VOLUME 4

PRIVATE WELL

LABORATORY RESULTS

For

Davis Liquid Site

REM II

PERFORMANCE OF REMEDIAL RESPONSE ACTIVITIES AT UNCONTROLLED HAZARDOUS WASTE SITES

U.S. EPA CONTRACT NO. 68-01-6939

CAMP DRESSER & McKEE INC.
ROY F. WESTON, INC.
WOODWARD-CLYDE CONSULTANTS
CLEMENT ASSOCIATES, INC.
ICF INCORPORATED
C. C. JOHNSON & ASSOCIATES, INC.

VOLUME 4

PRIVATE WELL

LABORATORY RESULTS

For

Davis Liquid Site

EPA Contract No.: 68-01-6939/117/WP1

Work Assignment No.: 18-I1107

Dcoument No.: 117-WP1-RT-BJMQ-1

DAVIS LIQUID SITE
Smithfield, Rhode Island

TABLE OF CONTENTS

SERIES: Private Wells

INTRODUCTION

This volume is apart of a series that presents all validated organic laboratory analyses results pertaining to the private well sampling conducted at the Davis Liquid Site in Smithfield, Rhode Island. The series is a collection of five different cases in which each case is contained in two volumes. The first case, Number 3633, was received by Radian Laboratory on December 7, 1984 and included 14 samples. The second case, Number 3969, was received by GCA Corporation on March 1, 1985 and included 15 samples. The third case, Number 3981, was received by GCA Corporation on March 8, 1985 and included 15 samples. The fourth case, Number 4005, was received by ChemTech on March 13, 1985 and included 10 private well samples. The final case, Number 4124, was received by GCA Corporation on April 5, 1985 and included 10 private well samples. This volume contains case Number 3969.

In addition to the lab results, two summary tables have been included. Table 1 is a list of each case nubmer with the corresponding Sample Management Office (SMO) organic traffic numbers. Table 2 contains a summary of the validated lab analysis reports from the case contained in this volume. At the top of the summary sheets, the well location and resident are matched to their respective SMO traffic numbers.

Organic analyses results from each case are each contained in bound volumes marked accordingly on the covers. These volumes have been tabbed at the beginning of each sample by their sample SMO traffic numbers for easy reference. The first page of results, at the tab are the volatile compounds, the second page contains the semi-volatile compounds and the third page contains the pesticide/PCB compounds. These three pages contain the compounds on the Hazardous Substances List (HSL). Immediately following are two pages which allow write-in space for an additional 10 volatile compounds and 20 semi-volatile compounds which may be matched through a mass spectral library search. They are listed as tentatively present. The rest of the volume consists of the lab QA/QC program.

NOTE:

The validation process has not yet been completed for the fourth and fifth cases, numbers 4005 and 4124. Upon receiving validation, these two cases will be added to this collection of data making this series on private well data complete. Validation completion is expected by mid-September, 1985.

TABLE 1

PRIVATE WELLS

CASE #3969 AB 025

AB 026

AB 027

AB 028

AB 029

AB 030

AB 031

AB 032

AB 033

AB 034

AB 035

AB 036

AB 037

AB 038

AB 039

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TABLE 2

3/8/95

PRIVATE WELLS

Volatile Organics Analysis

CAS Number		Sample I.D.	PIMENTA	HAYWARD	CRETELLA	DUP TO PW-03	McCANN	BASTIEN	CAREY	DUP TO PW-27	TRIP BLANK	MOWRY	TIERNEY
		EPA	AB025	AB026	AB027	AB028	AB029	AB030	AB031	AB032	AB033	AB034	AB035
		SMO	PW-07	PW-06	PW-05	PW-04	PW-03	PW-02	PW-01	PW-08	PW-15	PW-12	PW-13
74-87-3	Chloromethane												
74-83-9	Bromomethane												
75-01-4	Vinyl Chloride												
75-00-3	Chloroethane												
75-09-2	Methylene Chloride		R	R	R	7.1	R	R	R	R	R	R	R
67-64-1	Acetone		46										
75-15-0	Carbon Disulfide					R							
75-35-4	1,1-Dichloroethene												
75-34-3	1,1-Dichloroethane												
156-60-5	Trans-1,2-Dichloroethene												
67-66-3	Chloroform					1.8 K							
107-06-2	1,2-Dichloroethane												
78-93-3	2-Butanone												
71-55-6	1,1,1-Trichloroethane												
56-23-5	Carbon Tetrachloride												
108-05-4	Vinyl Acetate												
75-27-4	Bromodichloromethane												
79-34-5	1,1,2,2-Tetrachloroethane												
78-87-5	1,2-Dichloropropane												
10061-02-6	Trans-1,3-Dichloropropene												
79-01-6	Trichloroethene												
124-48-1	Dibromochloromethane												
79-00-5	1,1,2-Trichloroethane												
71-43-2	Benzene						7.8						
10061-01-5	cis-1,3-Dichloropropene												
110-75-8	2-Chloroethylvinylether												
75-25-2	Bromoform												
591-78-6	2-Hexanone												
108-10-1	4-Methyl-2-Pentanone												
127-18-4	Tetrachloroethene												
108-88-3	Toluene												
108-90-7	Chlorobenzene												
100-41-4	Ethylbenzene												
100-42-5	Styrene												
	Total Xylenes							14 J					
	Total PPMs =		46	0	0	8.9	7.8	104	7	0	0	0	0

Semivolatile Organics Analysis

CAS Number		Sample I.D. EPA SMO										
		AB025	AB026	AB027	AB028	AB029	AB030	AB031	AB032	AB033	AB034	AB 35
62-75-9	N-Nitrosodimethylamine											
108-95-2	Phenol											
62-53-3	Aniline											
111-44-4	bis(-2-Chloroethyl)Ether											
95-57-8	2-Chlorophenol											
541-73-1	1, 3-Dichlorobenzene											
106-46-7	1, 4-Dichlorobenzene											
100-51-6	Benzyl Alcohol											
95 50-1	1, 2-Dichlorobenzene											
95-48-7	2-Methylphenol											
39638-32-9	bis(2-chloroisopropyl)Ether											
106-44-5	4-Methylphenol											
621-64-7	N-Nitroso-Di-n-Propylamine											
67-72-1	Hexachloroethane											
98-95-3	Nitrobenzene											
78-59-1	Isophorone											
88-75-5	2-Nitrophenol											
105-67-9	2, 4-Dimethylphenol											
65-85-0	Benzoic Acid											
111-91-1	bis(-2-Chloroethoxy)Methane	12 R	3K R	4K R	2 R	4 R		2K R				
120-83-2	2, 4-Dichlorophenol											
120-82-1	1, 2, 4-Trichlorobenzene											
91-20-3	Naphthalene						31					
106-47-8	4-Chloroaniline											
87-68-3	Hexachlorobutadiene											
59-50-7	4-Chloro-3-Methylphenol											
91-57-6	2-Methylnaphthalene						59					
77-47-4	Hexachlorocyclopentadiene											
88-06-2	2, 4, 6-Trichlorophenol											
95-95-4	2, 4, 5-Trichlorophenol											
91-58-7	2-Chloronaphthalene											
88-74-4	2-Nitroaniline											
131-11-3	Dimethyl Phthalate											
208-96-8	Acenaphthylene											
99-09-2	3-Nitroaniline											

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Semivolatile Organics Analysis

CAS Number		Sample I.D. EPA SMO	AB 25	AB 26	AB 27	AB 23	AB 29	AB 30	AB 31	AB 32	AB 33	AB 34	AB 35
83-32-9	Acenaphthene												
51-28-5	2, 4-Dinitrophenol												
100-02-7	4-Nitrophenol												
132-64-9	Dibenzofuran												
121-14-2	2, 4-Dinitrotoluene												
606-20-2	2, 6-Dinitrotoluene												
84-66-2	Diethylphthalate												
7005-72-3	4-Chlorophenyl-phenylether												
86-73-7	Fluorene								7 K				
100-01-6	4-Nitroaniline												
534-52-1	4, 6-Dinitro-2-Methylphenol												
86-30-6	N-Nitrosodiphenylamine (1)												
101-55-3	4-Bromophenyl-phenylether												
118-74-1	Hexachlorobenzene												
87-86-5	Pentachlorophenol												
85-01-8	Phenanthrene												
120-12-7	Anthracene												
84-74-2	Di-n-Butylphthalate												
206-44-0	Fluoranthene												
92-87-5	Benzidine												
129-00-0	Pyrene												
85-68-7	Butylbenzylphthalate												
91-94-1	3, 3'-Dichlorobenzidine												
56-55-3	Benzo(a)Anthracene												
117-81-7	bis(2-Ethylhexyl)Phthalate								7K R	5K R	7K R		4B R
218-01-9	Chrysene												
117-84-0	Di-n-Octyl Phthalate												
205-99-2	Benzo(b)Fluoranthene												
207-08-9	Benzo(k)Fluoranthene												
50-32-8	Benzo(a)Pyrene												
193-39-5	Indeno(1, 2, 3-cd)Pyrene												
53-70-3	Dibenz(a, h)Anthracene												
191-24-2	Benzo(g, h, i)Perylene												
	XYLENE								TP				

Pesticide/PCBs Analysis

CAS Number		Sample I.D. EPA SMO										
		AB 25	AB 26	AB 27	AB 28	AB 29	AB 30	AB 31	AB 32	AB 33	AB 34	AB 35
319-84-6	Alpha-BHC											
319-85-7	Beta-BHC											
319-86-8	Delta-BHC											
58-89-9	Gamma-BHC (Lindane)											
76-44-8	Heptachlor											
309-00-2	Aldrin											
1024-57-3	Heptachlor Epoxide											
959-98-8	Endosulfan I											
60-57-1	Dieldrin											
72-55-9	4 4'-DDE											
72-20-8	Endrin											
33213-65-9	Endosulfan II											
72-54-8	4 4'-DDD											
7421-93-4	Endrin Aldehyde											
1031-07-8	Endosulfan Sulfate											
50-29-3	4 4'-DDT											
72-43-5	Methoxychlor											
53494-70-5	Endrin Ketone											
57-74-9	Chlordane											
8001-35-2	Toxaphene											
12674-11-2	Aroclor-1016											
11104-28-2	Aroclor-1221											
11141-16-5	Aroclor-1232											
53469-21-9	Aroclor-1242											
12672-29-6	Aroclor-1248											
11097-69-1	Aroclor-1254											
11096-82-5	Aroclor-1260											

V/1 ...

CASE #3981 & CASE #3989
3/2/85 3/1/85

Volatile Organics Analysis

CAS Number	HOME ~~Sample ID~~ / EPA / SMO			COLPACK	HORNER	TRIP BLANK	DUP TO PW-27	POWERS	FIELD BLANK ~~MOWRY~~	NYHAN	QUIMETTE	OGILVIE ~~OGIV~~
	EPA			AB 050	AB051	AB054	AB052	AB053	AB036	AB037	AB038	AB039
	SMO			PW-26	PW-27	PW-28	PW-29	PW30	~~PW-12~~	PW-11	PW-10	PW-09
74-87-3	Chloromethane											
74-83-9	Bromomethane											
75-01-4	Vinyl Chloride			R	R	R	R	12				
75-00-3	Chloroethane											
75-09-2	Methylene Chloride			~~7~~ R	~~62~~ R	~~13~~ R	~~33~~ R	~~37~~ R	31 R	~~12~~ R	~~32~~ R	~~35~~ R
67-64-1	Acetone			R	R	R	R	14 R				
75-15-0	Carbon Disulfide											
75-35-4	1, 1-Dichloroethene					5 J						
75-34-3	1, 1-Dichloroethane											
156-60-5	Trans-1, 2-Dichloroethene											
67-66-3	Chloroform											
107-06-2	1, 2-Dichloroethane											
78-93-3	2-Butanone											
71-55-6	1, 1, 1-Trichloroethane											
56-23-5	Carbon Tetrachloride											
108-05-4	Vinyl Acetate											
75-27-4	Bromodichloromethane											
79-34-5	1, 1, 2, 2-Tetrachloroethane											
78-87-5	1, 2-Dichloropropane											
10061-02-6	Trans-1, 3-Dichloropropene											
79-01-6	Trichloroethene											
124-48-1	Dibromochloromethane											
79-00-5	1, 1, 2-Trichloroethane											
71-43-2	Benzene											
10061-01-5	cis-1, 3-Dichloropropene											
110-75-8	2-Chloroethylvinylether											
75-25-2	Bromoform			R	R	R	R	R				
591-78-6	2-Hexanone											
108-10-1	4-Methyl-2-Pentanone											
127-18-4	Tetrachloroethene											
108-88-3	Toluene											
108-90-7	Chlorobenzene											
100-41-4	Ethylbenzene											
100-42-5	Styrene			R	R	R	R	R				
	Total Xylenes											
total vpm =				21	0	5	0	0	0	0	0	0

Semivolatile Organics Analysis

CAS Number		Sample I.D. EPA SMO		AB050	AB051	AB054	AB052	AB053	AB 36	AB 37	AB 38	AB 39
62-75-9	N-Nitrosodimethylamine											
108-95-2	Phenol											
62-53-3	Aniline											
111-44-4	bis(-2-Chloroethyl)Ether											
95-57-8	2-Chlorophenol											
541-73-1	1, 3-Dichlorobenzene											
106-46-7	1, 4-Dichlorobenzene											
100-51-6	Benzyl Alcohol											
95-50-1	1, 2-Dichlorobenzene											
95-48-7	2-Methylphenol											
39638-32-9	bis(2-chloroisopropyl)Ether											
106-44-5	4-Methylphenol											
621-64-7	N-Nitroso-Di-n-Propylamine											
67-72-1	Hexachloroethane											
98-95-3	Nitrobenzene											
78-59-1	Isophorone											
88-75-5	2-Nitrophenol											
105-67-9	2, 4-Dimethylphenol											
65-85-0	Benzoic Acid											
111-91-1	bis(-2-Chloroethoxy)Methane											
120-83-2	2, 4-Dichlorophenol											
120-82-1	1, 2, 4-Trichlorobenzene			R	R		R	R				
91-20-3	Naphthalene											
106-47-8	4-Chloroaniline											
87-68-3	Hexachlorobutadiene			R	R		R	R				
59-50-7	4-Chloro-3-Methylphenol											
91-57-6	2-Methylnaphthalene											
77-47-4	Hexachlorocyclopentadiene											
88-06-2	2, 4, 6-Trichlorophenol											
95-95-4	2, 4, 5-Trichlorophenol											
91-58-7	2-Chloronaphthalene											
88-74-4	2-Nitroaniline											
131-11-3	Dimethyl Phthalate											
208-96-8	Acenaphthylene			R	R		R	R				
99-09-2	3-Nitroaniline											

Semivolatile Organics Analysis

CAS Number		Sample ID											
		EPA			AB050	AB053	AB054	AB052	AB053	AB 36	AB 37	AB 38	AB 39
		SMO											
83-32-9	Acenaphthene												
51-28-5	2, 4-Dinitrophenol				R	R		R	R				
100-02-7	4-Nitrophenol												
132-64-9	Dibenzofuran												
121-14-2	2, 4-Dinitrotoluene												
606-20-2	2, 6-Dinitrotoluene												
84-66-2	Diethylphthalate												
7005-72-3	4-Chlorophenyl-phenylether												
86-73-7	Fluorene												
100-01-6	4-Nitroaniline												
534-52-1	4, 6-Dinitro-2-Methylphenol												
86-30-6	N-Nitrosodiphenylamine (1)												
101-55-3	4-Bromophenyl-phenylether												
118-74-1	Hexachlorobenzene												
87-86-5	Pentachlorophenol												
85-01-8	Phenanthrene												
120-12-7	Anthracene												
84-74-2	Di-n-Butylphthalate				R	R		R	R				
206-44-0	Fluoranthene												
92-87-5	Benzidine												
129-00-0	Pyrene												
85-68-7	Butylbenzylphthalate												
91-94-1	3, 3'-Dichlorobenzidine												
56-55-3	Benzo(a)Anthracene												
117-81-7	bis(2-Ethylhexyl)Phthalate				R	R		R	R	R	R	R	R
218-01-9	Chrysene												
117-84-0	Di-n-Octyl Phthalate				21								
205-99-2	Benzo(b)Fluoranthene												
207-08-9	Benzo(k)Fluoranthene												
50-32-8	Benzo(a)Pyrene												
193-39-5	Indeno(1, 2, 3-cd)Pyrene												
53-70-3	Dibenz(a, h)Anthracene												
191-24-2	Benzo(g, h, i)Perylene												

Pesticide/PCBs Analysis

CAS Number		Sample I.D.										
		EPA		AB050	AB051	AB054	AB052	AB053	AB 36	AB 37	AB 38	AB 39
		SMO										
319-84-6	Alpha-BHC											
319-85-7	Beta-BHC											
319-86-8	Delta-BHC											
58-89-9	Gamma-BHC (Lindane)											
76-44-8	Heptachlor											
309-00-2	Aldrin											
1024-57-3	Heptachlor Epoxide											
959-98-8	Endosulfan I											
60-57-1	Dieldrin											
72-55-9	4 4 -DDE											
72-20-8	Endrin											
33213-65-9	Endosulfan II											
72-54-8	4 4 -DDD											
7421-93-4	Endrin Aldehyde											
1031-07-8	Endosulfan Sulfate											
50-29-3	4 4 -DDT											
72-43-5	Methoxychlor											
53494-70-5	Endrin Ketone											
57-74-9	Chlordane											
8001-35-2	Toxaphene											
12674-11-2	Aroclor-1016											
11104-28-2	Aroclor-1221											
11141-16-5	Aroclor-1232											
53469-21-9	Aroclor-1242											
12672-29-6	Aroclor-1248											
11097-69-1	Aroclor-1254											
11096-82-5	Aroclor-1260											
	HEXAMETHYL CYCLOTRISILOXANE				74 ug/L (Tentatively Identified)		9.2 ug/L (TP)					
	2-METHYLPENTANE								T.P.			
	3 METHYL PENTANE								T.P.			
	P-XYLENE											T.P

IV. STANDARDS PACKET

GCA

Contractor GCA Contract # 68-01-6767

CROSS REFERENCE TABLE - CASE 3969

1. Pesticides/PCBs

Date of Analysis of Standards	Applicable Samples
03/28/85 to 03/29/85	All samples primary column
	AB 027, AB 028, AB 029, AB 032, AB 034, AB 026 on primary column

EXHIBIT C

Hazardous Substance List (HSL) and
Contract Required Detection Limits (CRDL)**

Volatiles	CAS Number	Detection Limits* Low Water[a] ug/L	Low Soil/Sediment[b] ug/Kg
1. Chloromethane	74-87-3	10	10
2. Bromomethane	74-83-9	10	10
3. Vinyl Chloride	75-01-4	10	10
4. Chloroethane	75-00-3	10	10
5. Methylene Chloride	75-09-2	5	5
6. Acetone	67-64-1	10	10
7. Carbon Disulfide	75-15-0	5	5
8. 1,1-Dichloroethene	75-35-4	5	5
9. 1,1-Dichloroethane	75-35-3	5	5
10. trans-1,2-Dichloroethene	156-60-5	5	5
11. Chloroform	67-66-3	5	5
12. 1,2-Dichloroethane	107-06-2	5	5
13. 2-Butanone	78-93-3	10	10
14. 1,1,1-Trichloroethane	71-55-6	5	5
15. Carbon Tetrachloride	56-23-5	5	5
16. Vinyl Acetate	108-05-4	10	10
17. Bromodichloromethane	75-27-4	5	5
18. 1,1,2,2-Tetrachloroethane	79-34-5	5	5
19. 1,2-Dichloropropane	78-87-5	5	5
20. trans-1,3-Dichloropropene	10061-02-6	5	5
21. Trichloroethene	79-01-6	5	5
22. Dibromochloromethane	124-48-1	5	5
23. 1,1,2-Trichloroethane	79-00-5	5	5
24. Benzene	71-43-2	5	5
25. cis-1,3-Dichloropropene	10061-01-5	5	5

(continued)

IV

Volatiles	CAS. Number	Detection Limits* Low Water[a] ug/L	Low Soil/Sediment[b] ug/Kg
26. 2-Chloroethyl Vinyl Ether	110-75-8	10	10
27. Bromoform	75-25-2	5	5
28. 2-Hexanone	591-78-6	10	10
29. 4-Methyl-2-pentanone	108-10-1	10	10
30. Tetrachloroethene	127-18-4	5	5
31. Toluene	108-88-3	5	5
32. Chlorobenzene	108-90-7	5	5
33. Ethyl Benzene	100-41-4	5	5
34. Styrene	100-42-5	5	5
35. Total Xylenes		5	5

[a]Medium Water Contract Required Detection Limits (CRDL) for Volatile HSL Compounds are 100 times the individual Low Water CRDL.

[b]Medium Soil/Sediment Contract Required Detection Limits (CRDL) for Volatile HSL Compounds are 100 times the individual Low Soil/Sediment CRDL.

CONTRACT DETECTION LIMITS - SEMIVOLATILE COMPOUNDS

Laboratory Name: GCA Case No: 2969 Concentration low

Sample Matrix: water Contract No: 68-01-6767

CAS #	Compound	ug/l
87-68-3	hexachlorobutadiene	10
77+47+4	hexachlorocyclopentadiene	10
78-59-1	isophorone	10
91-20-3	naphthalene	10
98-95-3	nitrobenzene	10
62-75-9	N-nitrosodimethylamine	10
86-30-6	N-nitrosodiphenylamine	10
621-64-7	N-nitrosodipropylamine	10
117-81-7	bis(2-ethylhexyl)phthalate	10
85-68-7	benzyl butyl phthalate	10
84-74-2	di-n-butyl phthalate	10
117-84-0	di-n-octyl phthalate	10
84-66-2	diethyl phthalate	10
131-11-3	dimethyl phthalate	10
56-55-3	benzo(a)anthracene	10
50-32-8	benzo(a)pyrene	10
205-99-2	benzo(b)fluoranthene	10
207-08-9	benzo(k)fluoranthene	10
218-01+9	chrysene	10
208-96-8	acenaphthylene	10
120-12-7	anthracene	10
191-24-2	benzo(ghi)perylene	10
86-73-7	fluorene	10
85-01-8	phenanthrene	10
53-70-3	dibenzo(a,h)anthracene	10
193-39-5	indeno(1,2,3-cd)pyrene	10
129-00-0	pyrene	10
62-53-3	aniline	10
100-51-6	benzyl alcohol	10
106-47-8	4-chloroaniline	10
132-64-9	dibenzofuran	10
91-57-6	2-methylnaphthalene	10
88-74-4	2-nitroaniline	50
99-09-2	3-nitroaniline	50
100-01-6	4-nitroaniline	50

CONTRACT DETECTION LIMITS -- SEMIVOLATILE COMPOUNDS

Laborstory Name: GCA Case No: 3969 Concentration low

Sample Matrix: water Contract No: 68-01-6767

CAS #	Compound	ug/
88-06-2	2,4,6-trichlorophenol	10
59-50-7	p-chloro-m-cresol	10
95-57-8	2-chlorophenol	10
120-83-2	2,4-dichlorophenol	10
105-67-9	2,4-dimethylphenol	10
88-75-5	2-nitrophenol	10
100-02-7	4-nitrophenol	50
51-28-5	2,4-dinitrophenol	50
534-52-1	4,6-dinitro-2-methylphenol	50
87-86-5	pentachlorophenol	50
108-95-2	phenol	10
65-85-0	benzoic acid	50
95-48-7	2-methylphenol	10
108-39-4	4-methylphenol	10
95-95-4	2,4,5-trichlorophenol	50
83-32-9	acenaphthene	10
92-87-5	benzidine	50
120-82-1	1,2,4-trichlorobenzene	10
118-74-1	hexachlorobenzene	10
67-72-1	hexachloroethane	10
111-44-4	bis(2-chloroethyl)ether	10
91-58-7	2-chloronaphthalene	10
95-50-1	1,2-dichlorobenzene	10
341-73-1	1,3-dichlorobenzene	10
106-46-7	1,4-dichlorobenzene	10
91-94-1	3,3'-dichlorobenzidine	20
121-14-2	2,4-dinitrotoluene	10
606-20-2	2,6-dinitrotoluene	10
122-66-7	1,2-diphenylhydrazine	10
206-44-0	fluoranthene	10
7005-72-3	4-chlorophenyl phenyl ether	10
101-55-3	4-bromophenyl phenyl ether	10
39638-32-9	bis(2-chloroisopropyl)ether	10
111-91-1	bis(2-chloroethoxy)methane	10

CONTRACT DETECTION LIMITS - PESTICIDES

Pesticides	CAS Number	Detection Limits* Low Water[e] ug/L	Low Soil/Sediment[f] ug/Kg
104. alpha-BHC	319-84-6	0.05	8.0
105. beta-BHC	319-85-7	0.05	8.0
106. delta-BHC	319-86-8	0.05	8.0
107. gamma-BHC (Lindane)	58-89-9	0.05	8.0
108. Heptachlor	76-44-8	0.05	8.0
109. Aldrin	309-00-2	0.05	8.0
110. Heptachlor Epoxide	1024-57-3	0.05	8.0
111. Endosulfan I	959-98-8	0.05	8.0
112. Dieldrin	60-57-1	0.10	16.0
113. 4,4'-DDE	72-55-9	0.10	16.0
114. Endrin	72-20-8	0.10	16.0
115. Endosulfan II	33213-65-9	0.10	16.0
116. 4,4'-DDD	72-54-8	0.10	16.0
117. Endrin Aldehyde	7421-93-4	0.10	16.0
118. Endosulfan Sulfate	1031-07-8	0.10	16.0
119. 4,4'-DDT	50-29-3	0.10	16.0
120. Endrin Ketone	53494-70-5	0.10	16.0
121. Methoxychlor	72-43-5	0.5	80.0
122. Chlordane	57-74-9	0.5	80.0
123. Toxaphene	8001-35-2	1.0	160.0
124. AROCLOR-1016	12674-11-2	0.5	80.0
125. AROCLOR-1221	11104-28-2	0.5	80.0
126. AROCLOR-1232	11141-16-5	0.5	80.0
127. AROCLOR-1242	53469-21-9	0.5	80.0
128. AROCLOR-1248	12672-29-6	0.5	80.0
129. AROCLOR-1254	11097-69-1	1.0	160.0
130. AROCLOR-1260	11096-82-5	1.0	160.0

[e]Medium Water Contract Required Detection Limits (CRDL) for Pesticide HSL Compounds are 100 times the individual Low Water CRDL.

[f]Medium Soil/Sediment Contract Required Detection Limits (CRDL) for Pesticide HSL compounds are 15 times the individual Low Soil/Sediment CRDL.

*Detection limits listed for soil/sediment are based on wet weight. The detection limits calculated by the laboratory for soil/sediment, calculated on dry weight basis, as required by the contract, will be higher.

** Specific detection limits are highly matrix dependent. The detection limits listed herein are provided for guidance and may not always be achievable.

INITIAL CALIBRATION DATA
VOLATILE HSL COMPOUNDS
(PAGE 1)

CASE NO. 3931,3969 INSTRUMENT ID FINNIGAN
CONTRACTOR GCA CALIBRATION DATE 3/3/85
CONTRACT NO. 68-01-6767

MINIMUM RF FOR SPCC IS .300 MAXIMUM % RSD FOR CCC IS 30%

LABORATORY ID

COMPOUND	RF20	RF50	RF100	RF150	RF200	RF	%RSD	CCC* SPCC**
CHLOROMETHANE	1	1.14	1.1	1.23	1.32	1.15	8	**
BROMOMETHANE	1.2	1.27	1.21	1.17	1.2	1.21	1	
VINYL CHLORIDE	1.2	1.16	1.07	1.04	1.03	1.09	5	*
CHLOROETHANE	.86	.92	.84	.79	.81	.84	4	
METHYLENE CHLORIDE	1.8	1.87	1.6	1.6	1.53	1.67	7	
ACETONE	.19	.14	.23	.27	.23	.21	17	
CARBON DISULPHIDE	3.1	3.68	3.3	3.23	3.31	3.32	4	
1,1-DICHLOROETHANE	1.21	1.26	1.2	1.2	1.21	1.21	1	*
1,1-DICHLOROETHANE	2.9	3.37	3	3.3	3.4	3.19	6	**
TRANS-1,2-DICHLOROETHENE	1.6	1.65	1.5	1.5	1.5	1.55	3	
CHLOROFORM	4.3	4.46	4	4.3	4.46	4.3	2	*
1,2-DICHLOROETHANE	3.6	4.1	4	4.23	4.3	4.04	4	
2-BUTANONE	^	1.16	1.26	1.4	.84	1.16	14	
1,1,1-TRICHLOROETHANE	3.5	4	3.7	3.9	4.1	3.84	5	
CARBON TETRACHLORIDE	2.4	2.7	2.4	2.7	2.9	2.62	6	
VINYL ACETATE	.04	.06	.21	.21	.13	.13	49	
BROMODICHLOROMETHANE	.89	.92	.93	1.02	.97	.94	4	
1,2-DICHLOROPROPANE	.4	.41	.41	.46	.43	.42	4	*
TRANS-1,3-DICHLOROPROPENE	.36	.45	.47	.55	.55	.47	12	
TRICHLOROETHENE	.35	.35	.4	.43	.35	.37	8	
DIBROMOCHLOROMETHANE	.53	.54	.56	.62	.56	.56	4	
1,1,2-TRICHLOROETHANE	.27	.27	.31	.33	.28	.29	7	
BENZENE	1.1	1.17	1.2	1.2	1.2	1.17	2	
CIS-1,3-DICHLOROPROPENE	.18	.29	.34	.43	.45	.33	24	
2-CHLOROETHYLVINYLETHER	^	.01	.02	.01	.01	.01	30	
BROMOFORM	.34	.23	.38	.26	.21	.28	21	**
2-HEXANONE	^	.01	.19	.22	.1	.13	57	
4-METHYL-2-PENTANONE	^	.76	.89	.88	.6	.78	13	
TETRACHLOROETHENE	.5	.5	.46	.5	.47	.48	3	
1,1,2,2-TETRACHLOROETHANE	.3	.34	.4	.43	.45	.38	13	**
TOLUENE	1	1.02	1	.88	1.04	.98	4	*
CHLOROBENZENE	.91	.97	.93	1.1	.98	.97	5	**
ETHYLBENZENE	.44	.5	.46	.5	.49	.47	4	*
STYRENE	^	.17	.25	.34	.35	.27	24	
TOTAL XYLENES	1	1	1	1	1	1	0	

RESPONSE FACTOR(amount in ug/L) SPCC-SYSTEM PERFORMANCE CHECK COMPOUNDS(**)

RF-AVERAGE RESPONSE FACTOR
%RSD-PERCENT RELATIVE STANDARD DEVIATION
CCC-CALIBRATION CHECK COMPOUND(*)

Initial Calibration Data
Semivolatile HSL Compounds
(Page 1)

Case No: 3969 Instrument ID: HP5985A

Contractor: GCM Calibration Date: 3/25/85

Contract No: 68-01-6767

Minimum $\overline{RF}$ for SPCC is 0.050 Maximum % RSD for CCC is 30%

Laboratory ID								
Compound	RF_{20}	RF_{50}	RF_{80}	RF_{120}	RF_{160}	$\overline{RF}$	%RSD	CCC* SPCC**
N-Nitrosodimethylamine								
Phenol	.70	.72	.84	.73	.74	0.75	7	*
Aniline	.83	.80	.91	.80	.72	0.81	8	
bis(-2-Chloroethyl)Ether	.70	.60	.71	.60	.51	0.62	12	
2-Chlorophenol	.55	.57	.61	.60	.60	0.59	4	
1, 3-Dichlorobenzene	.60	.53	.59	.52	.50	0.55	7	
1, 4-Dichlorobenzene	.61	.52	.59	.55	.53	0.56	7	*
Benzyl Alcohol	.27	.34	.40	.34	.34	0.34	7	
1, 2-Dichlorobenzene	.56	.52	.54	.49	.50	0.53	7	
2-Methylphenol	.54	.53	.67	.55	.62	0.58	9	
bis(2-chloroisopropyl)Ether	.52	.50	.53	.45	.45	0.49	7	
4-Methylphenol	.55	.60	.70	.60	.65	0.62	8	
N-Nitroso-Di-n-Propylamine	.50	.50	.49	.46	.44	0.48	5	**
Hexachloroethane	.20	.35	.29	.25	.35	0.37	8	
Nitrobenzene	.74	.76	.72	.71	.67	0.71	3	
Isophorone	1.33	1.25	1.52	1.27	1.30	1.31	8	
2-Nitrophenol	1.57	1.53	1.80	1.67	1.60	1.64	8	*
2, 4-Dimethylphenol	2.24	2.51	2.60	2.71	2.60	2.55	5	
Benzoic Acid	†	.95	1.20	1.37	1.50	1.26	16	
bis(-2-Chloroethoxyl)Methane	1.66	1.61	1.81	1.55	1.40	1.59	8	
2, 4-Dichlorophenol	1.75	1.90	2.05	2.15	2.00	1.97	7	
1, 2, 4-Trichlorobenzene	2.20	2.30	2.64	2.60	2.00	2.37	10	
Naphthalene	1.14	1.1	1.23	1.09	1.01	1.13	9	
4-Chloroaniline	3.76	3.93	4.60	4.20	3.40	4.07	8	
Hexachlorobutadiene	.95	1.06	1.14	1.06	1.00	1.07	7	*
4-Chloro-3-Methylphenol	1.20	1.60	2.20	2.04	2.00	1.87	17	*
2-Methylnaphthalene	2.35	2.20	2.60	2.30	2.00	2.34	9	
Hexachlorocyclopentadiene	.17	.16	.21	.19	.16	0.18	11	**
2, 4, 6-Trichlorophenol		.19	.24	.21	.21	0.21	8	*
2, 4, 5-Trichlorophenol	†	.19	.24	.21	.21	0.21	8	
2-Chloronaphthalene	.33	.31	.38	.34	.32	0.34	10	
2-Nitroaniline	†	.39	.40	.34	.33	0.34	12	
Dimethyl Phthalate	.08	.07	.08	.08	.07	0.08	6	
Acenaphthylene	.37	.34	.37	.34	.31	0.35	9	
3-Nitroaniline	†	.33	.29	.28	.30	0.35	10	
Acenaphthene	.41	.36	.44	.40	.36	0.39	8	*
2, 4-Dinitrophenol	†	.07	.11	.11	.13	0.11	21	**
4-Nitrophenol	†	.20	.23	.20	.21	0.21	6	**
Dibenzofuran	.47	.41	.49	.42	.40	0.44	8	

Response Factor (subscript is the amount of nanograms)
$\overline{RF}$ -Average Response Factor
%RSD -Percent Relative Standard Deviation
CCC -Calibration Check Compounds (•)
SPCC -System Performance Check Compounds (••)
† -not detectable at 20 ng

IV 7.

Initial Calibration Data
Semivolatile HSL Compounds
(Page 2)

Case No: 3969 Instrument ID: HP5985A

Contractor: CCA Calibration Date: 3/25/85

Contract No: 68-01-6767

Minimum $\overline{RF}$ for SPCC is 0.050 Maximum % RSD for CCC is 30%

Laboratory ID								
Compound	RF_{20}	RF_{50}	RF_{80}	RF_{120}	RF_{160}	$\overline{RF}$	% RSD	CCC• SPCC••
2, 4-Dinitrotoluene	.30	.25	.32	.30	.20	0.29	8	
2, 6-Dinitrotoluene	.21	.20	.23	.22	.21	0.22	5	
Diethylphthalate	.16	.15	.17	.15	.14	0.15	7	
4-Chlorophenyl-phenylether	.33	.30	.36	.33	.31	0.33	6	
Fluorene	.80	.70	.82	.71	.70	0.75	7	
4-Nitroaniline	†	.25	.29	.24	.28	0.28	6	
4, 6-Dinitro-2-Methylphenol	†	.09	.13	.12	.11	0.11	13	
N-Nitrosodiphenylamine (1)	.13	.12	.14	.12	.13	0.13	6	•
4-Bromophenyl-phenylether	.10	.10	.11	.10	.10	0.10	4	
Hexachlorobenzene	.10	.10	.11	.10	.10	0.10	4	•
Pentachlorophenol	†	.05	.07	.07	.06	0.06	13	
Phenanthrene	.05	.04	.06	.01	.06	0.05	15	
Anthracene	.05	.04	.06	.06	.06	0.05	15	
Di-N-Butylphthalate	.10	.07	.10	.08	.09	0.09	14	
Fluoranthene	.60	.51	.70	.52	.50	0.57	13	•
Benzidine	†							••
Pyrene	2.00	1.70	2.26	2.02	2.51	2.16	17	
Butylbenzylphthalate	.92	.96	1.14	1.04	1.26	1.05	13	
3, 3'-Dichlorobenzidine								
Benzo(a)Anthracene	.20	.36	.43	.41	.41	0.38	12	
bis(2-Ethylhexyl)Phthalate	1.00	1.00	1.13	1.00	1.12	1.05	6	
Chrysene	.37	.36	.43	.41	.41	0.35	12	
Di-n-Octyl Phthalate	3.51	4.40	5.47	3.507	3.695	4.01	27	•
Benzo(b)Fluoranthene	.91	1.05	1.31	0.901	0.861	1.01	16	
Benzo(k)Fluoranthene	.91	1.05	1.31	0.905	0.861	1.01	16	
Benzo(a)Pyrene	.71	.60	.74	0.655	0.613	0.66	8	•
Indeno(1, 2, 3-cd)Pyrene	.50	.36	.50	0.404	0.365	0.41	33	
Dibenz(a, h)Anthracene	.34	.15	.35	0.336	0.402	0.32	27	
Benzo(g, h, i)Perylene	.36	.20	.36	0.357	0.425	0.34	23	

Response Factor (subscript is the amount of nanograms)
$\overline{RF}$ -Average Response Factor
%RSD -Percent Relative Standard Deviation
CCC -Calibration Check Compounds (•)
SPCC -System Performance Check Compounds (••)
† -not detectable at 20 ng
(1) -Cannot be separated from diphenylamine

Form VI

IV 8

Contract No. ~~68-10-0130~~ NN Column SP 2250/2401

Date of Analysis 3/29/85 Instrument ID HP 5870

EVALUATION CHECK FOR LINEARITY

LABORATORY ID	Eval. A	Eval. B	Eval. C	
PESTICIDE	CALIBRATION FACTOR EVAL. MIX A	CALIBRATION FACTOR EVAL. MIX B	CALIBRATION FACTOR EVAL. MIX C	% RSD (≤10%)
ALDRIN	7451/.025 298040	17693/.05 353860	46993/.125 375944	40136/54265 11.7 *
ENDRIN	10520/.05 210400	27429/.125 235432	62034/.25 248136	19201/25322 8.3
4,4'-DDT	5824/.05 116480	15772/.125 126176	4777/.25 19110T	40578/14458T 28.1 *
DIBUTYL CHLORENDATE	13143/.05 278860	34494/.125 275952	69680/.25 278720	1640/27994 0.57

EVALUATION CHECK FOR 4,4'-DDT/ENDRIN BREAKDOWN

	PERCENT BREAKDOWN EXPRESSED AS TOTAL DEGRADATION			
	EVAL. MIX B	EVAL. MIX B	EVAL. MIX B	EVAL. MIX B
ENDRIN	0	0	0	
4,4'-DDT	0	0	0	
LABORATORY ID	Eval. B	Eval. B	Eval B	
TIME OF ANALYSIS	10:57 3/29	10:02 3/30	3:30 3/31	

EVALUATION OF RETENTION TIME SHIFT FOR DIBUTYLCHLORENDATE

SMO SAMPLE NO.	LAB ID	TIME OF ANALYSIS	PERCENT DIFF. *	SMO SAMPLE NO.	LAB ID	TIME OF ANALYSIS	PERCENT DIFF. *
Eval. A	Eval A	10:01 3/29	31.34 RT				
Eval. B	Eval B	10.57	0.03				
Eval. C	Eval C	11:30	0.03				
Calibration	P-31-4	13:48	0.16				
~~AB 030~~	~~43220~~	~~5:26 3/30~~	~~0.28~~	BL.			
Calibration	P 31-3	4:31 3/30	0.51				
AB030	43220	5:26 3/30	0.28				
Eval. B	Eval B	10:02	0.22				
Calibration	P-31-4	11:53	0.16				
Calibration	P-31-3	21:04	0.25				
Calibration	P 31-5	22:54	0.31				
Calibration	P-31-2	0:45 3/31	0.35				
Calibration	P 31-1	2:35	0.41				
Eval. B	Eval B	3:30	0.44				

*≤2% PACKED, ≤0.25% CAPILLARY. 4/84

* See narrative

FORM VIII

II 9

Contract No. ~~3-765-05D~~ PV Column SP 2250/2401

Date of Analysis 4/2/85 Instrument ID HP 5880

EVALUATION CHECK FOR LINEARITY

LABORATORY ID	Eval. A	Eval. B	Eval. C	
PESTICIDE	CALIBRATION FACTOR EVAL. MIX A	CALIBRATION FACTOR EVAL. MIX B	CALIBRATION FACTOR EVAL. MIX C	% RSD (≤10%)
ALDRIN	7531/.025 301480	17058/.05 341160	46327/.125 370616	34674/337752 10
ENDRIN	10273/.05 205460	25526/.125 204208	56591/.25 226364	12446/212010 5.9
4,4'-DDT	9727/.05 * 194540	21636/.125 173088	52098/.25 208392	17788/192007 9.3
DIBUTYL CHLORENDATE	15858/.05 317160	41436/.05,125 BL 331488	77165/.25 308660	11537/319102 3.6

EVALUATION CHECK FOR 4,4'-DDT/ENDRIN BREAKDOWN

	PERCENT BREAKDOWN EXPRESSED AS TOTAL DEGRADATION			
	EVAL. MIX B	EVAL. MIX B	EVAL. MIX B	EVAL. MIX B
ENDRIN	0	0	0	0
4,4'-DDT	0	0	0	0
LABORATORY ID	Eval. B	Eval B	Eval B	Eval B
TIME OF ANALYSIS	12:46 4/1	3:34 4/2	9:53	16:59

EVALUATION OF RETENTION TIME SHIFT FOR DIBUTYLCHLORENDATE

SMO SAMPLE NO.	LAB ID	TIME OF ANALYSIS	PERCENT DIFF. *	SMO SAMPLE NO.	LAB ID	TIME OF ANALYSIS	PERCENT DIFF. *
Eval A	Eval A	11:51 4/1	31.67 RT				
Eval B	Eval B	12:46	0				
Eval C	Eval C	13:41	0.06				
Calibration	P-31-4	15:05	0.03				
AB030 MS	CC-961MS	23:22	0.09				
Eval B	Eval B	3:34 4/2	0.06				
Calibration	P-31-4	4:59	0.12				
AB034	43223	7:47	0				
Eval B	Eval B	9:53	0				
Calibration	P-31-5	12:05	0.03				
Calibration	P-31-3	13:29	0.03				
Calibration	P-31-2	14:53	0.09				
Calibration	P-31-1	16:17	0.32				
Eval B	Eval B	16:59	0.19				

* ≤ 2% PACKED, ≤0.5% CAPILLARY

4/84

FORM VIII

IV 10

* See Narrative

Case No: CM 3967 Calibration Date: 3/4/85

Contractor: LCC Time: 7:45

Contract No: 68-01-6699 Laboratory ID: K2711

Instrument ID: Finnigan Mat Quad Initial Calibration Date: 3/3/85

Minimum RF for SPCC is 0.300 Maximum %D for CCC is 25%

Compound	RF	RF_{50}	%D	CCC	SPCC
Chloromethane	1.15	1.16	0.9		**
Bromomethane	1.21	1.29	5.6		
Vinyl Chloride	1.07	1.08	1.4	*	
Chloroethane	0.59	0.56	3.4		
Methylene Chloride	1.07	1.00	7.0		
Acetone	0.11	0.12	4.5		
Carbon Disulfide	3.00	3.06	2.0		
1, 1-Dichloroethene	1.21	1.30	7.4	*	
1, 1-Dichloroethane	2.19	2.60	13		**
Trans-1, 2-Dichloroethene	1.65	1.78	15		
Chloroform	4.23	4.30	3.0	*	
1, 2-Dichloroethane	2.07	2.43	15		
2-Butanone	1.10	0.97	19		
1, 1, 1-Trichloroethane	2.24	2.62	16		
Carbon Tetrachloride	2.02	1.91	5.7		
Vinyl Acetate	0.13	0.09	10		
Bromodichloromethane	0.74	0.61	21		
1, 2-Dichloropropane	0.48	0.58	14	*	
Trans-1, 3-Dichloropropene	0.47	0.43	8.5		
Trichloroethene	0.37	0.34	9.1		
Dibromochloromethane	0.51	0.61	21		
1, 1, 2-Trichloroethane	0.34	0.25	14		
Benzene	1.17	1.16	0.9		
cis-1, 3-Dichloropropene	0.32	0.37	16		
2-Chloroethylvinylether	0.01	0.01	0		
Bromoform	0.31	0.32	3.1		**
2-Hexanone	0.13	0.17	31		
4-Methyl-2-Pentanone	0.72	0.59	22		
Tetrachloroethene	0.48	0.40	17		
1, 1, 2, 2-Tetrachloroethane	0.32	0.37	16		**
Toluene	0.97	1.0	3.0	*	
Chlorobenzene	0.97	1.0	3.0		**
Ethylbenzene	0.47	0.51	7.8	*	
Styrene	0.37	0.36	2.8		
Total Xylenes	0.0	0.0			

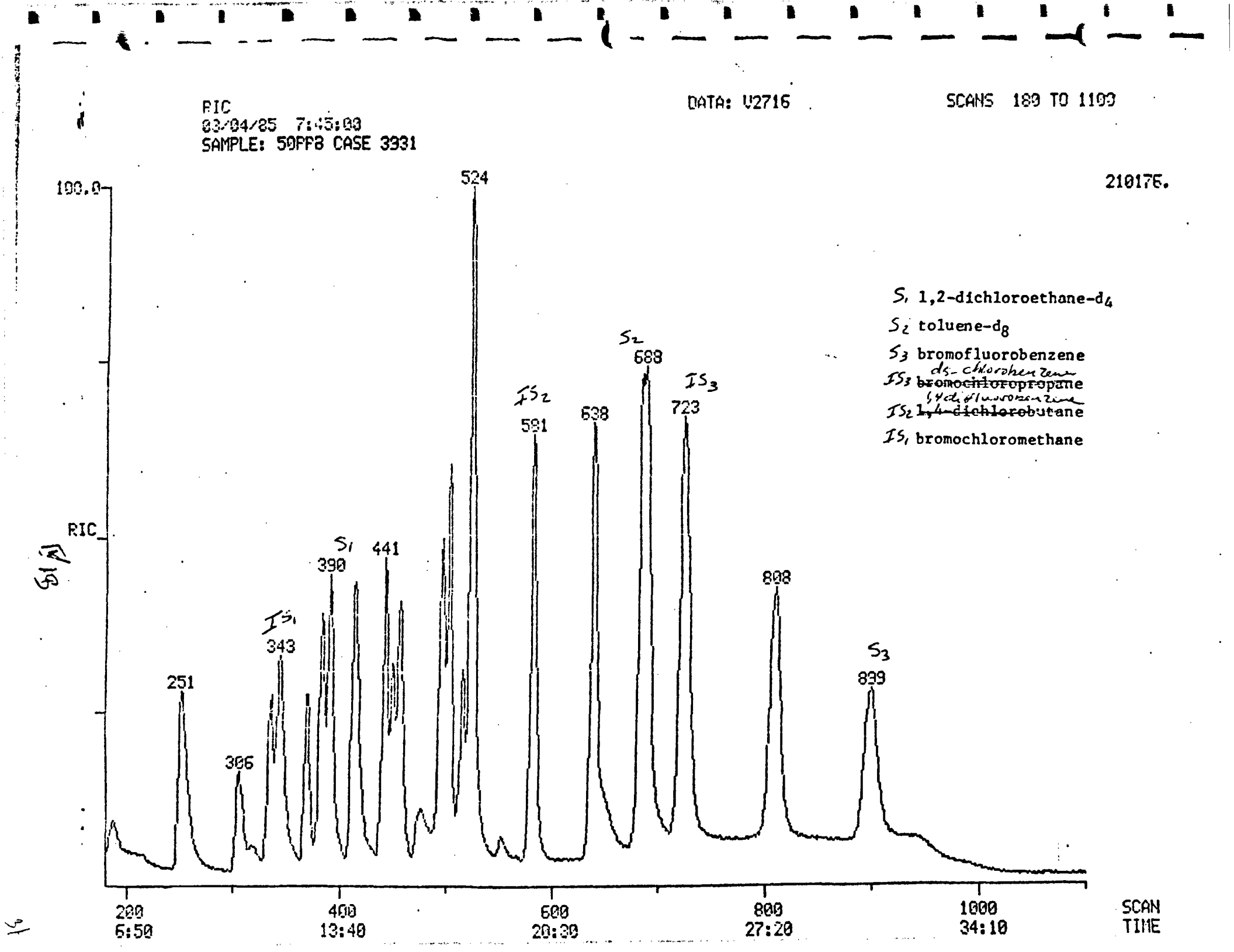
RF_{50} -Response Factor from daily standard file at 50 ug/l
RF -Average Response Factor from initial calibration Form VI

%D -Percent Difference
CCC -Calibration Check Compounds (•)
SPCC -System Performance Check Compounds (••)

Form VII *No - See narrative

CM

4/84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03/04/85 7:45:00
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DATA: U2716
SCANS 180 TO 1100
210176.
100.0
RIC
524
S1
441
390
IS1
343
251
306
IS2
591
638
S2
688
IS3
723
808
S3
839
S1 1,2-dichloroethane-d4
S2 toluene-d8
S3 bromofluorobenzene
IS3 d5-chlorobenzene
IS2 1,4-difluorobenzene
IS1 bromochloromethane
200
6:50
400
13:40
600
20:30
800
27:20
1000
34:10
SCAN
TIME

HIGAN ORGANICS TH WATER ANALYZER
INITIATION REPORT FILE: V2170

A: V2170.TI
09/04 10:28:09
FILE:
SUBMITTED BY: ANALYST:

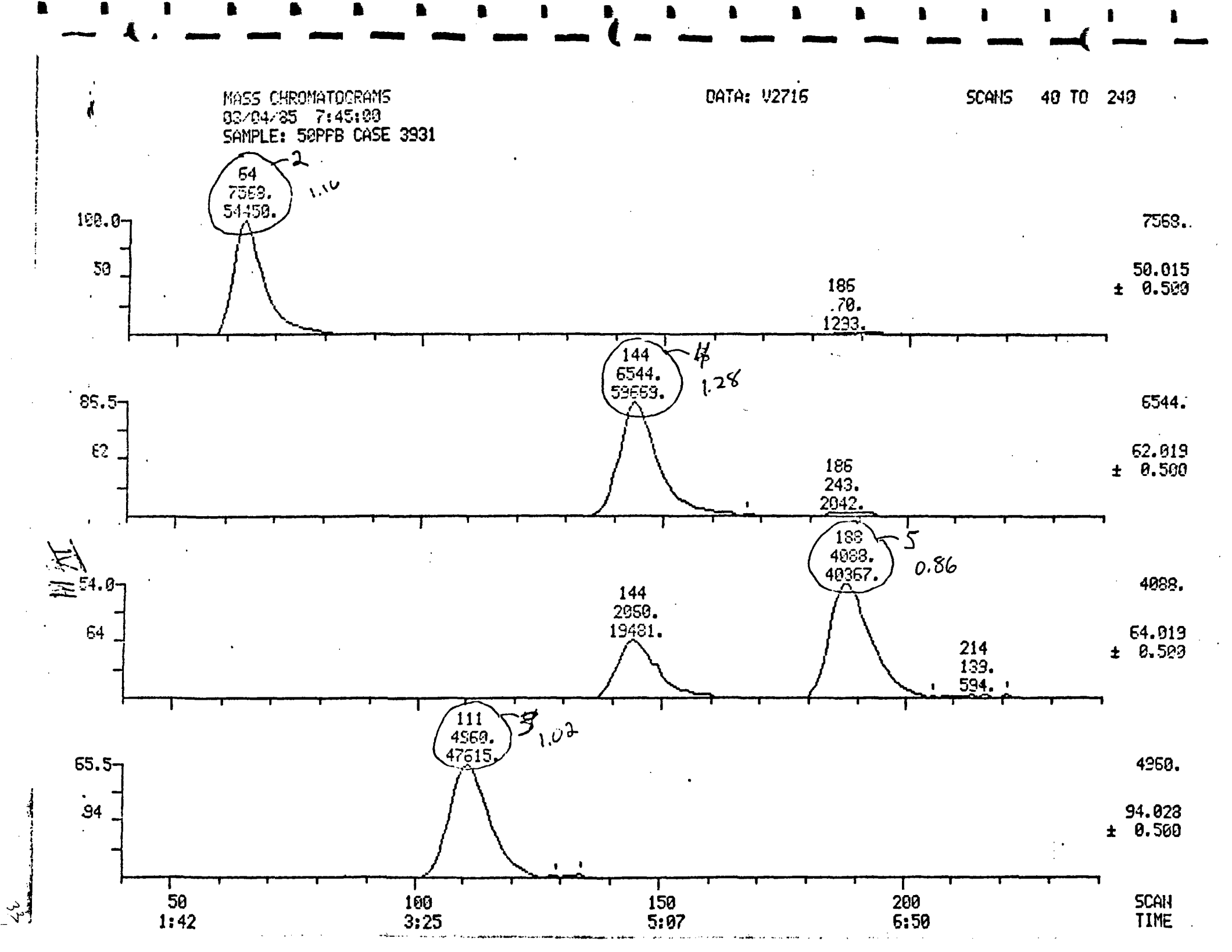
Case 3969
3457

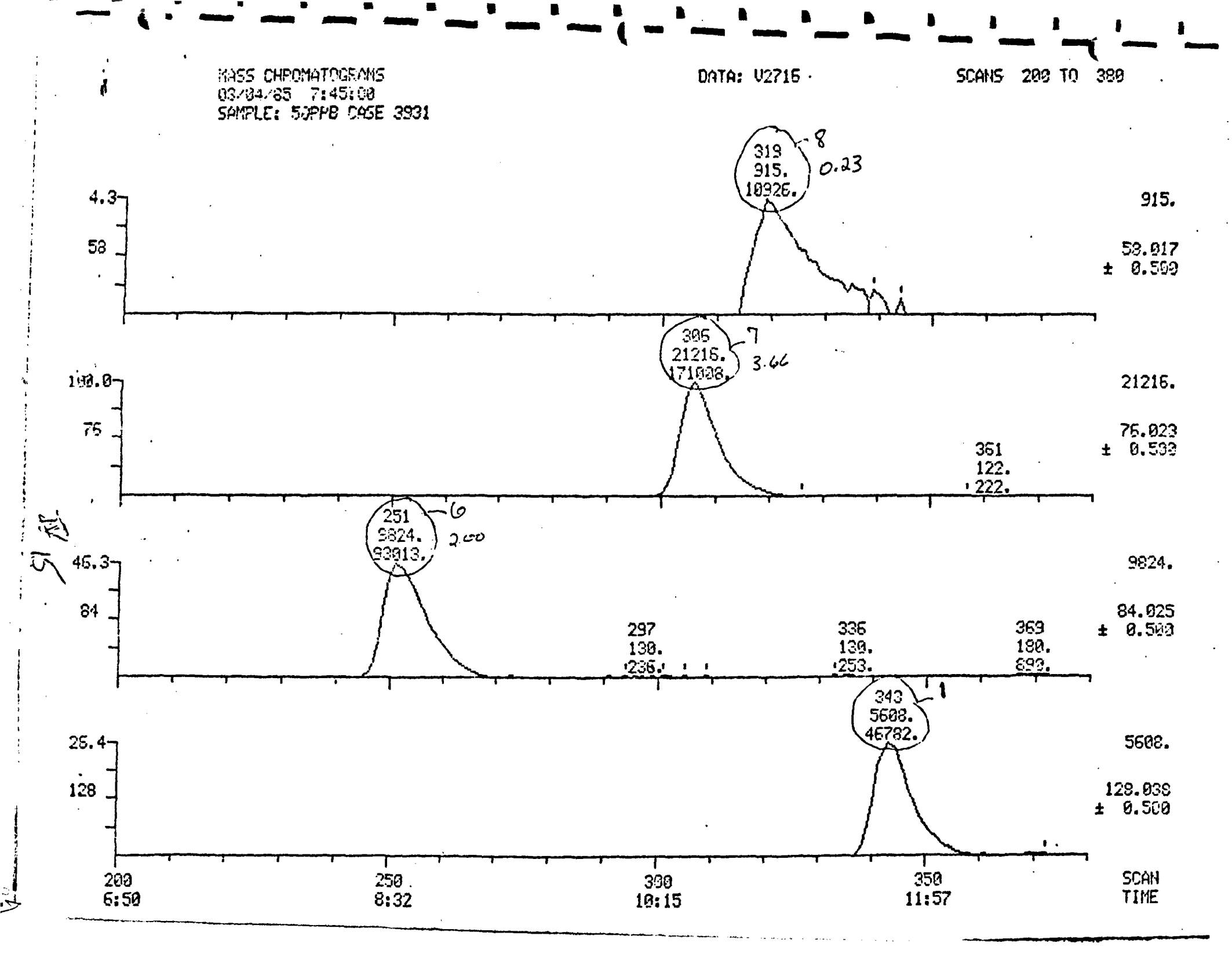
UNIT=AREA(LIGHT) * RFC AMNT/(REF. AREA(LIGHT)* RESP. FAC;)
P. FAC. FROM LIBRARY ENTRY

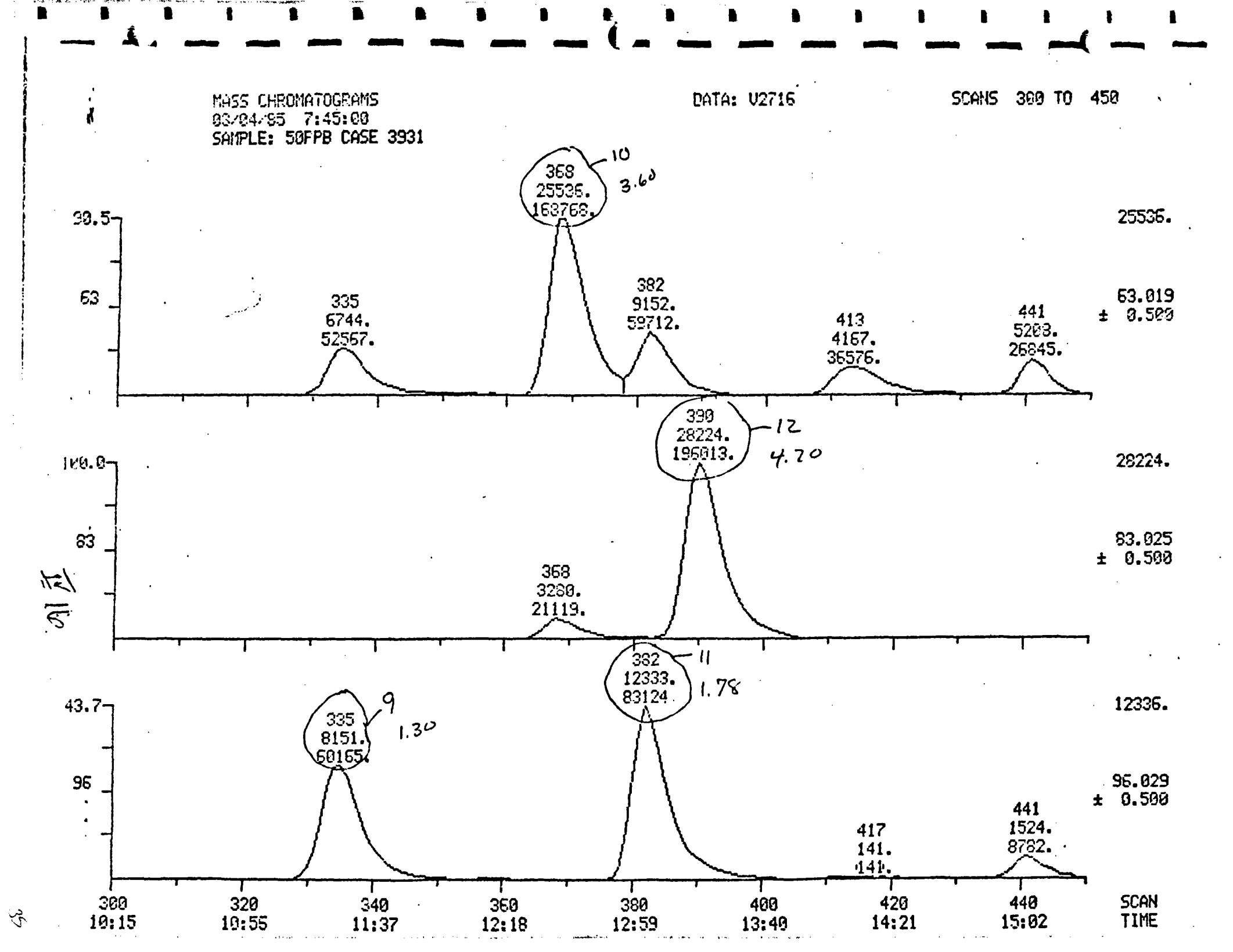
NO	NAME
	PROPYLCHLOROMETHANE (INTERNAL STANDARD 1)
	CHLOROMETHANE
	BROMOMETHANE
4	VINYLCHLORIDE
5	CHLOROETHANE
	METHYLENE CHLORIDE
	ACETONE
8	CARBON DISULFIDE
9	1,1-DICHLOROETHENE
1	1,1-DICHLOROETHANE
1	TRANS-1,2-DICHLOROETHENE
12	CHLOROFORM
13	D4-1,2-DICHLOROETHANE (SURROGATE 1)
1	1,2-DICHLOROETHENE
1	2-BUTANONE
16	1,1,1-TRICHLOROETHANE
17	CARBON TETRACHLORIDE
1	VINYL ACETATE
1	BROMODICHLOROMETHANE
2	1,2-DICHLOROPROPANE
21	TRANS-1,3-DICHLOROPROPENE
2	TRICHLOROETHENE
	DIBROMOCHLOROETHANE
	1,1,2-TRICHLOROETHANE
25	BENZENE
26	CIS-1,3-DICHLOROPROPENE
	2-CHLOROETHYLVINYLETHER
	1,4-DIFLUOROBENZENE (INTERNAL STANDARD 2)
29	BROMOFORM
30	4-METHYL-2-PENTANONE
1	1,1,2,2-TETRACHLOROETHANE
	TETRACHLOROETHENE
3	2-HEXANONE
34	D8-TOLUENE (SURROGATE 2)
	TOLUENE
	D5-CHLOROBENZENE (INTERNAL STANDARD 3)
	CHLOROBENZENE
38	ETHYLBENZENE
39	4-BROMOFLUOROBENZENE (SURROGATE 3)
4	STYRENE
4	TOTAL XYLENES

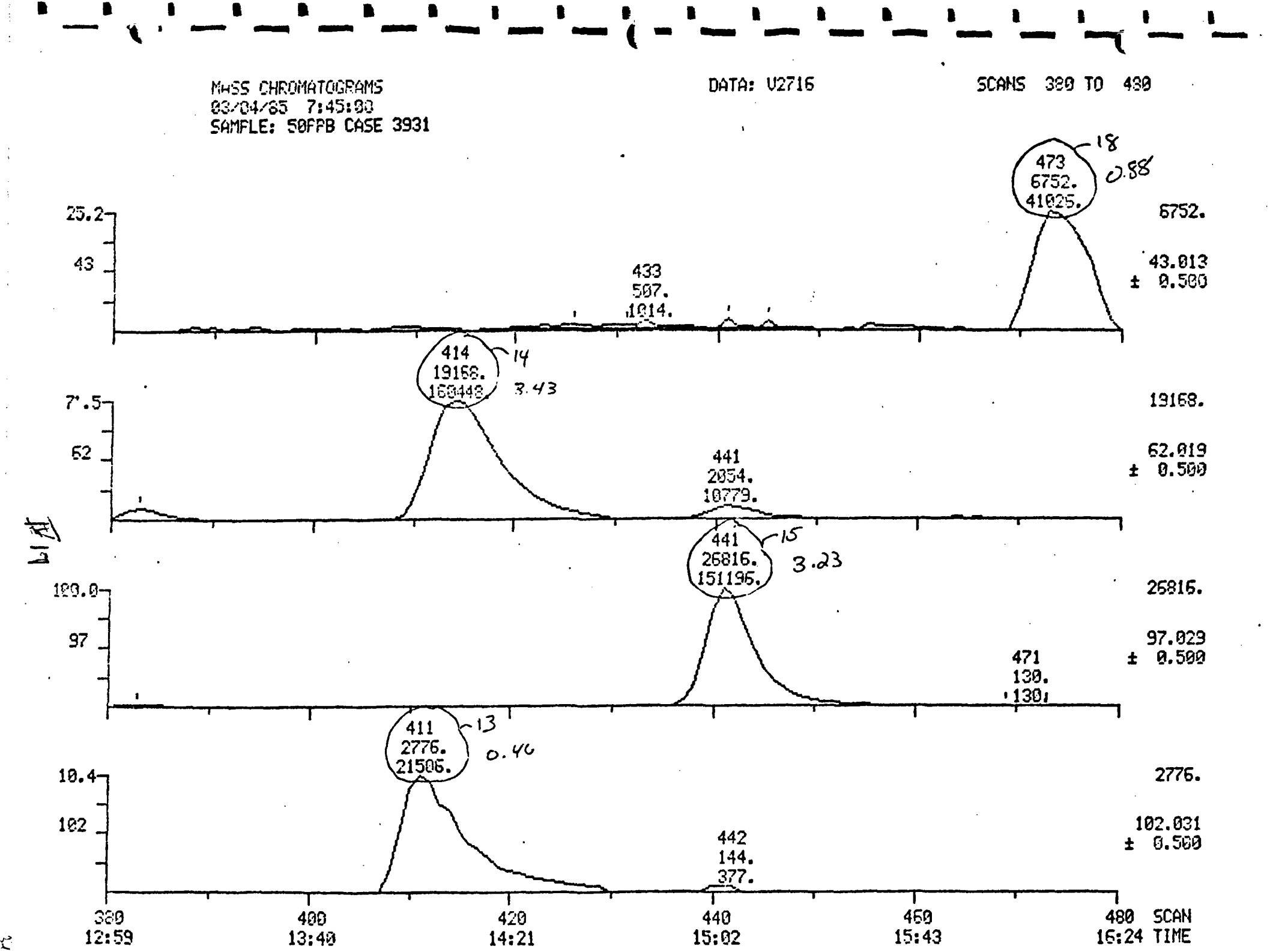
Effluent

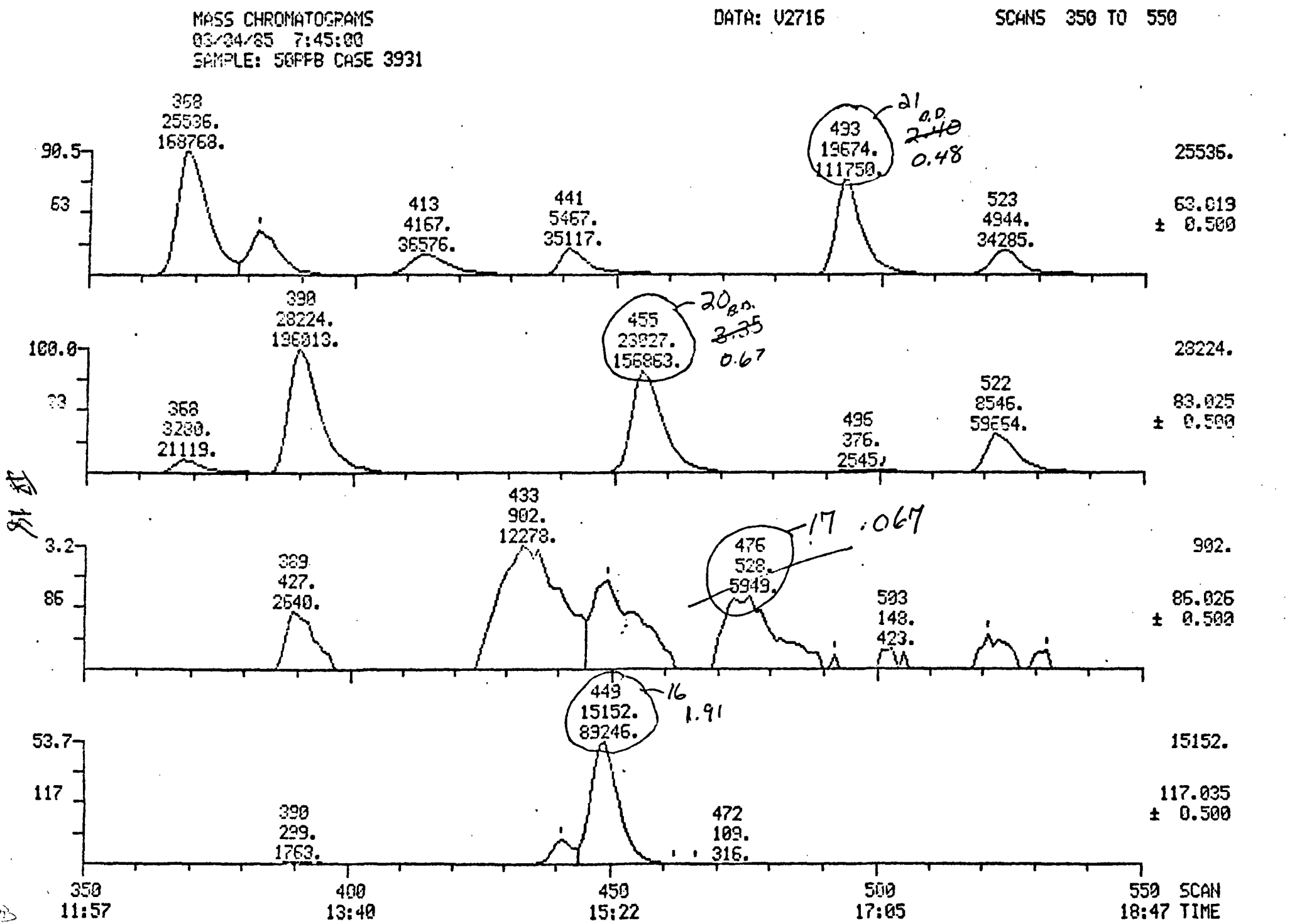
IV 14

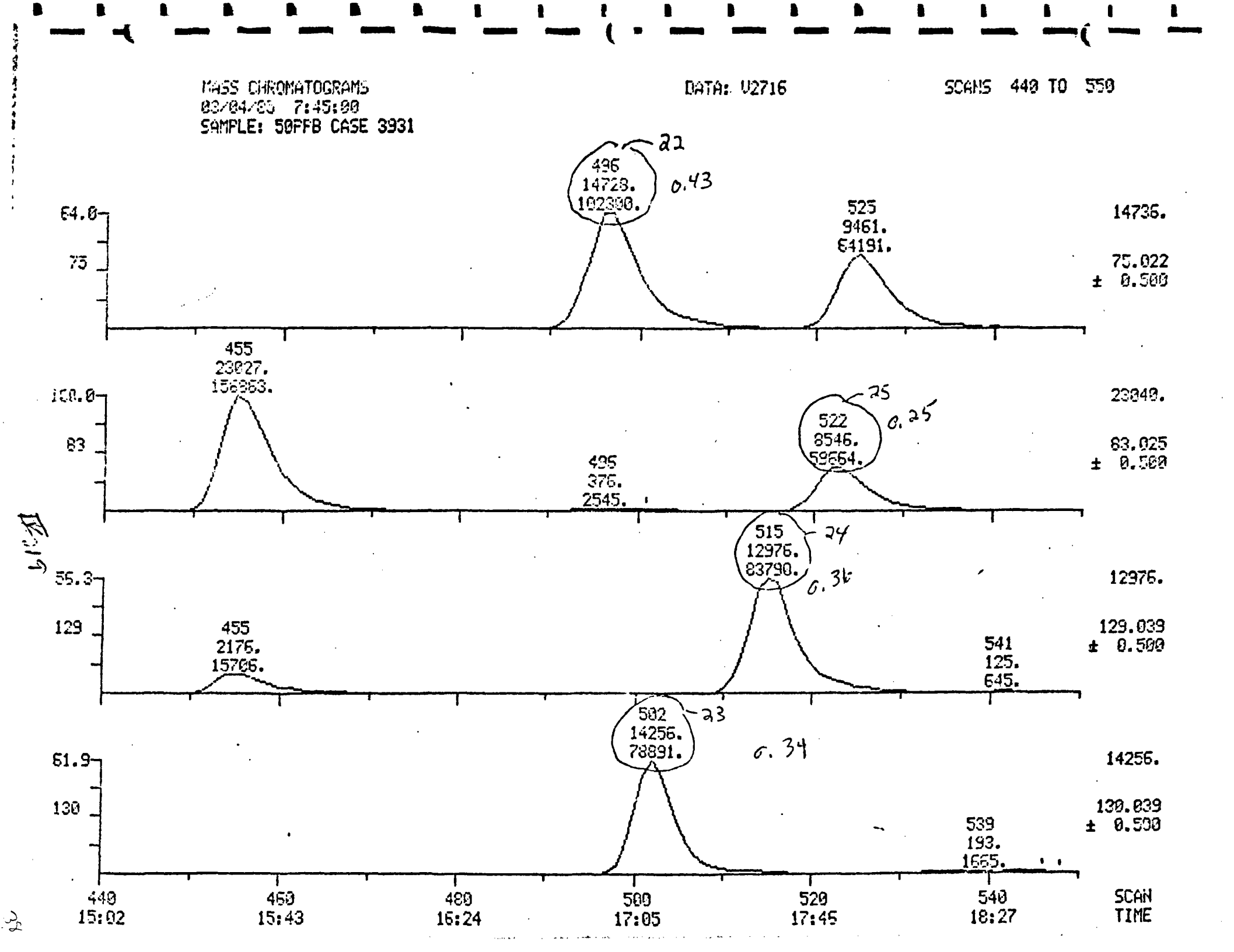

MASS CHROMATOGRAMS
03/04/85 7:45:00
SAMPLE: 50PPB CASE 3931
DATA: V2715
SCANS 40 TO 240
64
7568.
54450.
2
1.16
100.0
50
185
.70.
1233.
7568.
50.015
± 0.500
144
6544.
59669.
4
1.28
85.5
62
186
243.
2042.
6544.
62.019
± 0.500
188
4088.
40367.
5
0.86
54.0
64
144
2050.
19481.
214
139.
594.
4088.
64.019
± 0.500
111
4960.
47615.
3
1.02
65.5
94
4960.
94.023
± 0.500
50
1:42
100
3:25
150
5:07
200
6:50
SCAN
TIME

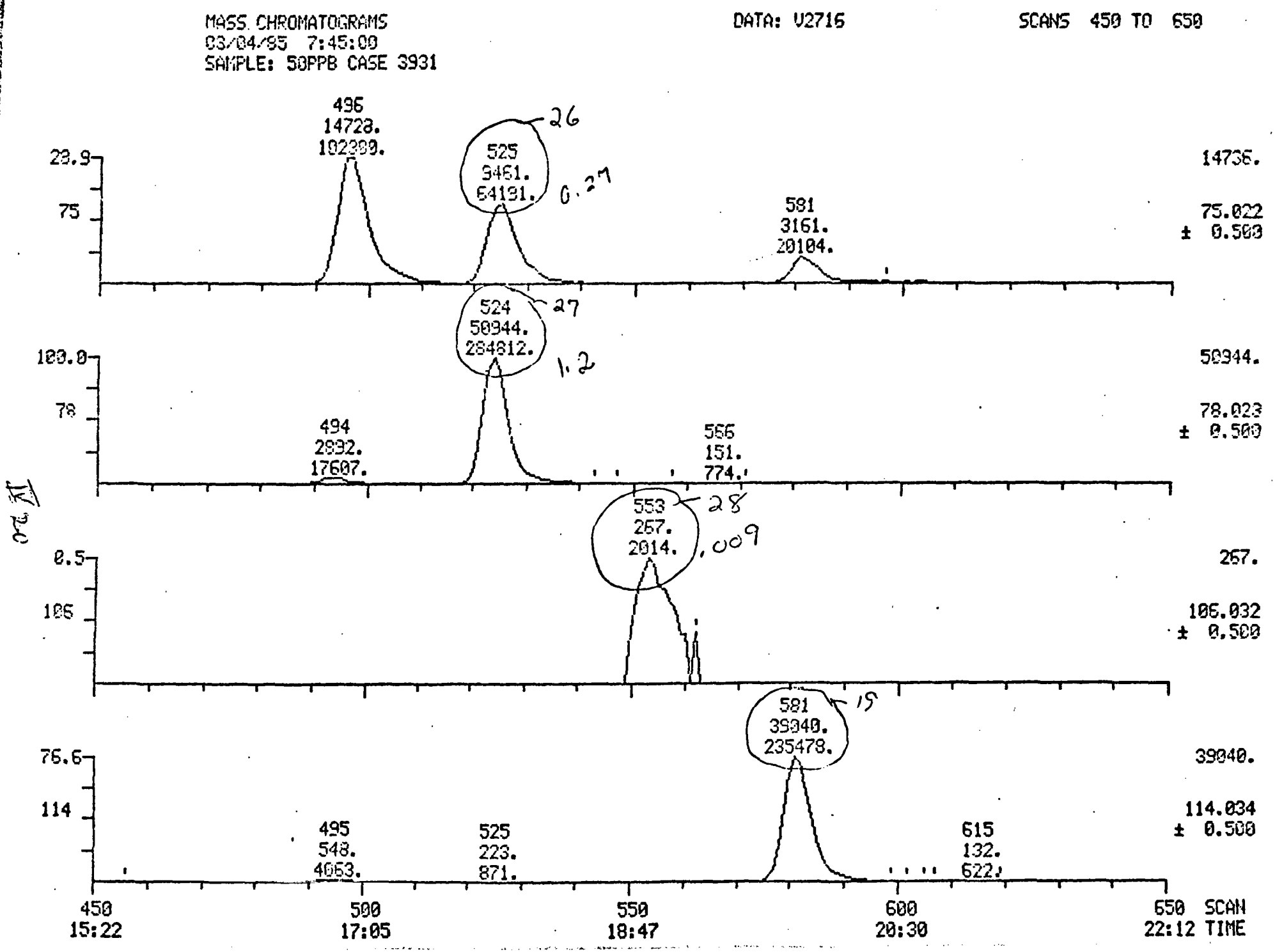

MASS CHROMATOGRAMS
03/04/85 7:45:00
SAMPLE: 50PPB CASE 3931
DATA: V2715
SCANS 200 TO 380
319
915.
10926.
8
0.23
915.
4.3
58
58.017
± 0.500
306
21216.
171008.
7
3.66
21216.
100.0
75
75.023
± 0.500
361
122.
222.
251
9824.
93013.
6
2.00
9824.
46.3
84
84.025
± 0.500
297
130.
236.
336
130.
253.
369
180.
699.
343
5608.
46782.
1
5608.
25.4
128
128.038
± 0.500
200
6:50
250
8:32
300
10:15
350
11:57
SCAN
TIME

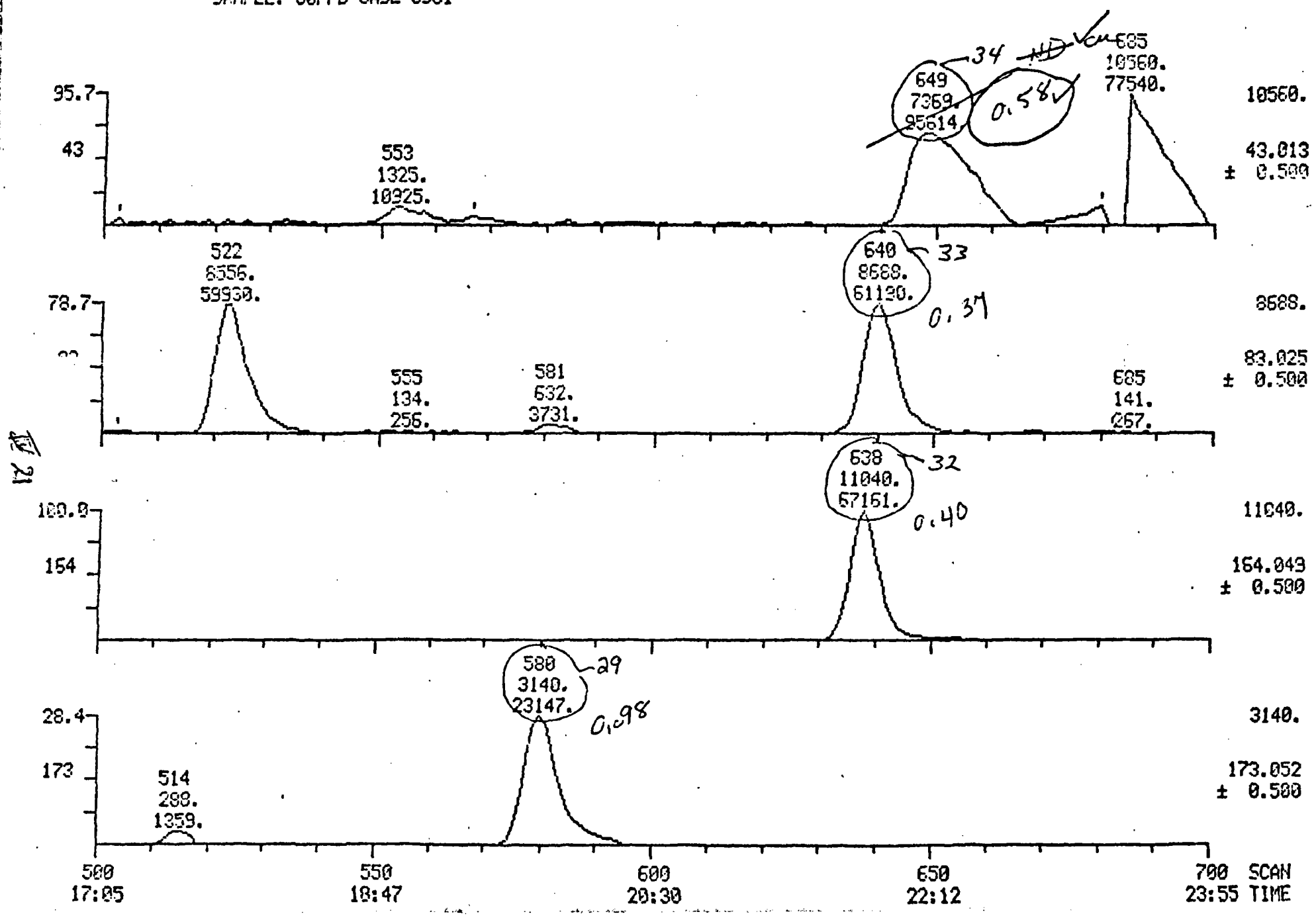

MASS CHROMATOGRAMS
03/04/85 7:45:00
SAMPLE: 50FPB CASE 3931
DATA: V2716
SCANS 300 TO 450
368
25536.
168768.
10
3.60
335
6744.
52557.
382
9152.
59712.
413
4167.
36576.
441
5203.
26845.
39.5
63
25536.
63.019
± 0.500
390
28224.
196013.
12
4.70
368
3280.
21119.
100.0
63
28224.
83.025
± 0.500
382
12333.
83124
11
1.78
335
8151.
60165.
9
1.30
417
141.
141.
441
1524.
8782.
43.7
96
12336.
96.029
± 0.500
300
10:15
320
10:55
340
11:37
360
12:18
380
12:59
400
13:40
420
14:21
440
15:02
SCAN
TIME

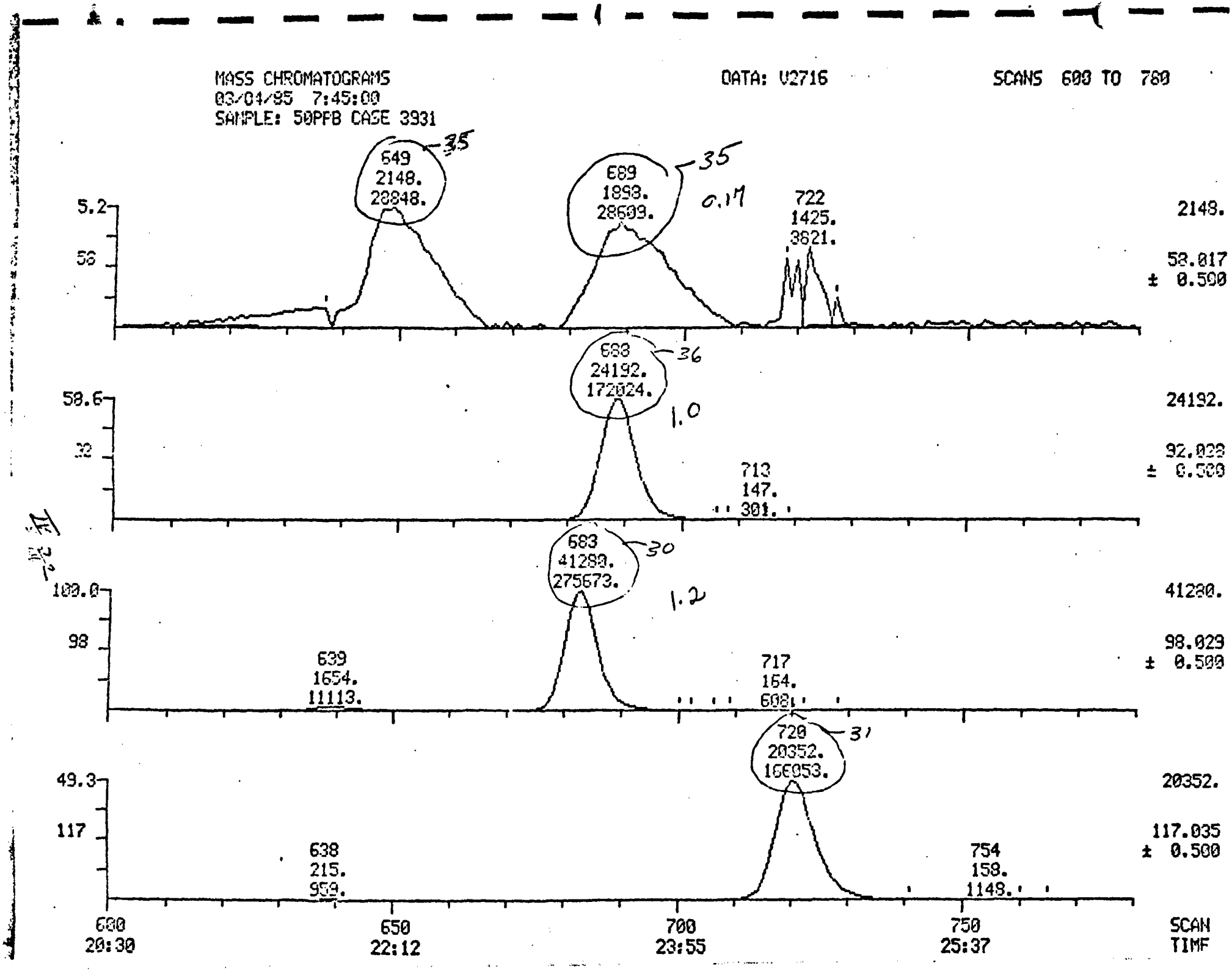

MASS CHROMATOGRAMS
03/04/85 7:45:00
SAMPLE: 50PPB CASE 3931
DATA: V2716
SCANS 380 TO 480
473
6752.
41025.
18
0.88
6752.
43.013
± 0.500
25.2
43
433
507.
1014.
414
19168.
160448.
14
3.43
19168.
62.019
± 0.500
75.5
62
441
2054.
10779.
441
26816.
151196.
15
3.23
26816.
97.029
± 0.500
100.0
97
471
130.
1301
411
2776.
21506.
13
0.40
2776.
102.031
± 0.500
10.4
102
442
144.
377.
380
12:59
400
13:40
420
14:21
440
15:02
460
15:43
480
16:24
SCAN
TIME

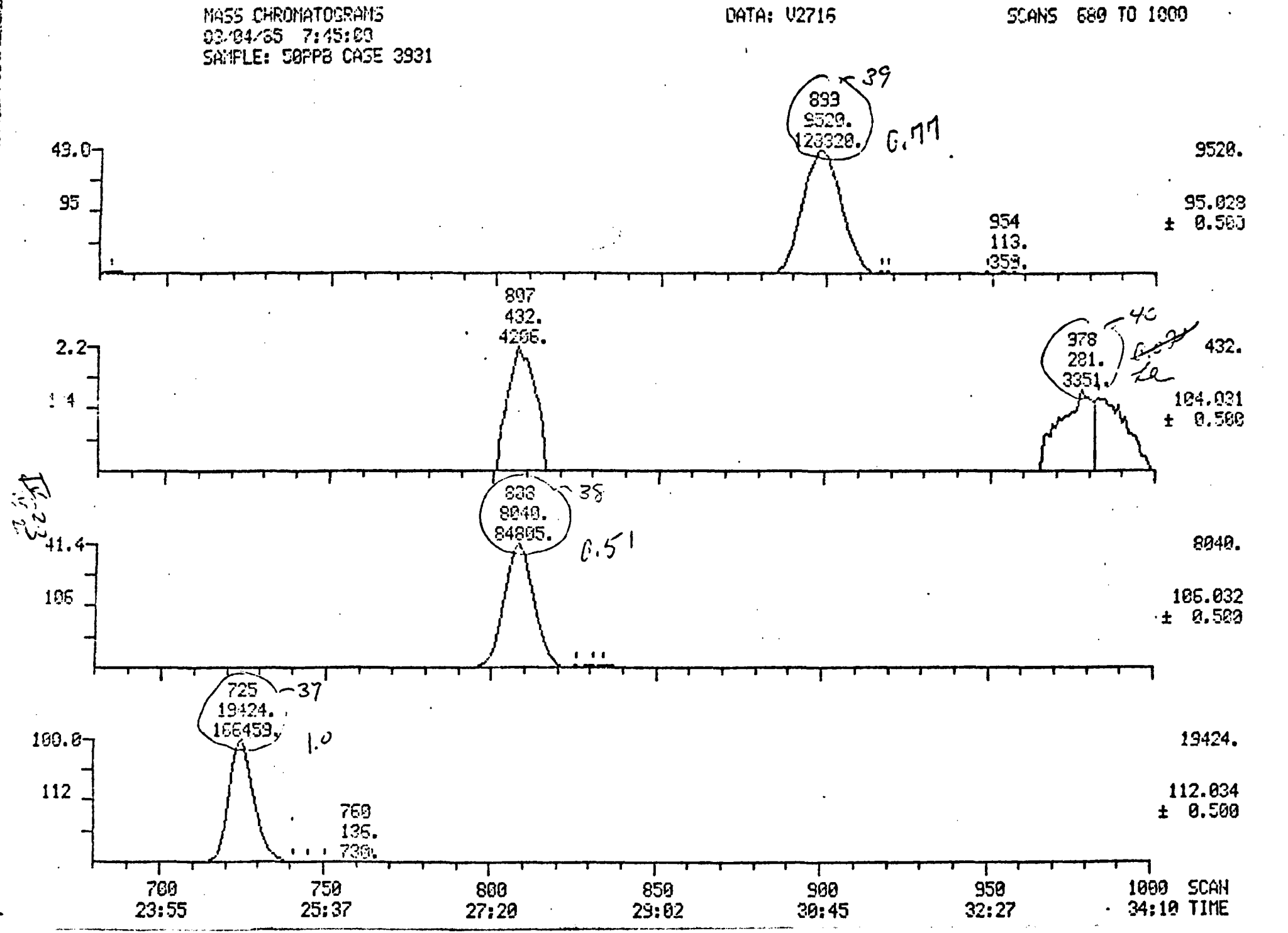

MASS CHROMATOGRAMS
03/04/85 7:45:00
SAMPLE: 50PPB CASE 3931
DATA: V2716
SCANS 350 TO 550
368
25536.
168768.
413
4167.
36576.
441
5467.
35117.
493
19674.
111750.
21
0.48
523
4944.
34285.
90.5
63
25536.
63.019
± 0.500
390
28224.
196013.
455
23927.
156863.
20
0.67
368
3280.
21119.
496
376.
2545.
522
8546.
59654.
100.0
83
28224.
83.025
± 0.500
433
902.
12278.
389
427.
2540.
476
528.
5949.
17
.067
503
148.
423.
3.2
86
902.
86.026
± 0.500
449
15152.
89246.
16
1.91
390
299.
1763.
472
109.
316.
53.7
117
15152.
117.035
± 0.500
350
11:57
400
13:40
450
15:22
500
17:05
550 SCAN
18:47 TIME

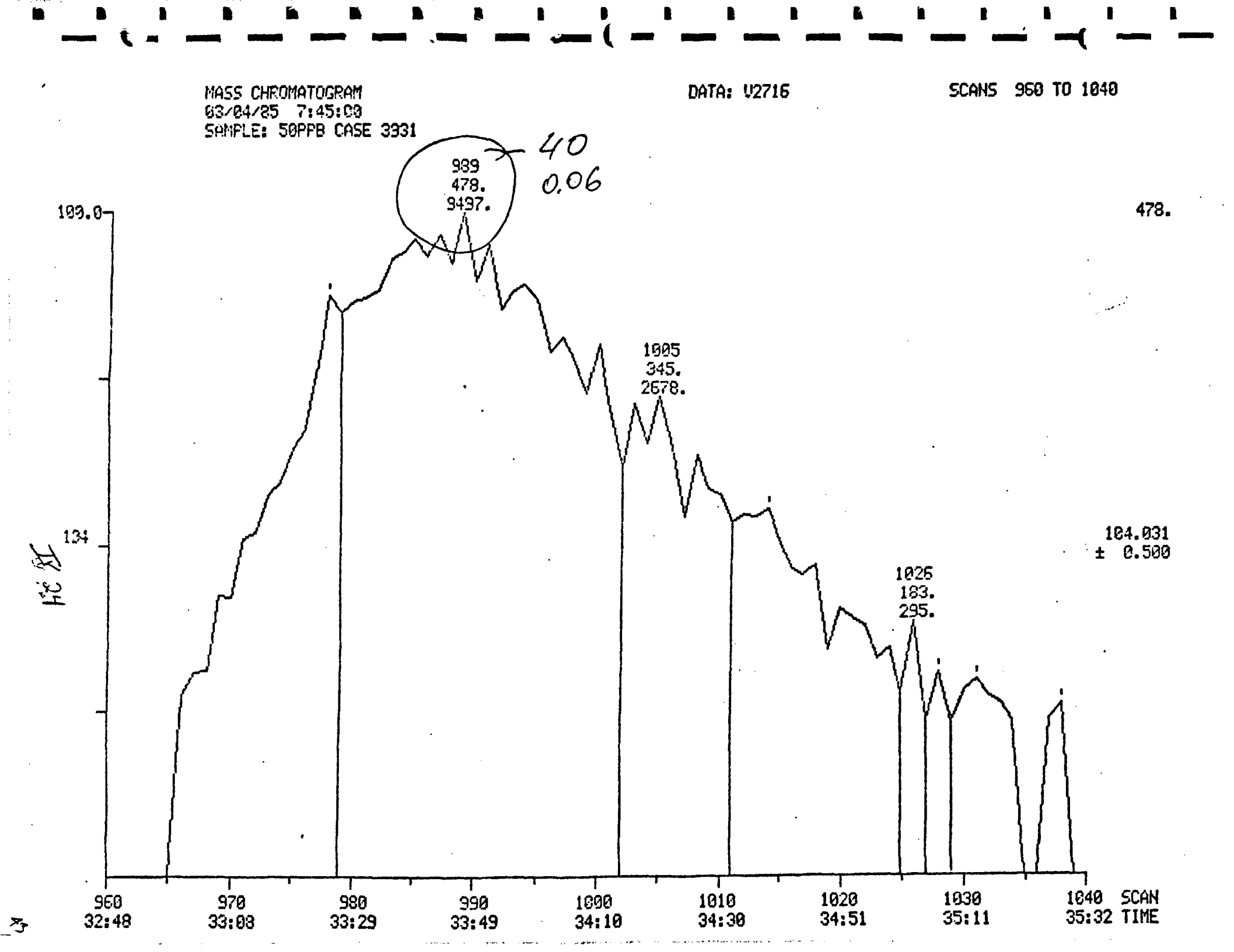

MASS CHROMATOGRAMS
03/04/03 7:45:00
SAMPLE: 50FFB CASE 3931
DATA: U2716
SCANS 440 TO 550
496
14728.
102300.
0.43
22
525
9461.
64191.
64.0
75
14736.
75.022
± 0.500
455
23027.
156883.
495
376.
2545.
522
8546.
59664.
0.25
25
100.0
83
23040.
83.025
± 0.500
515
12976.
83790.
0.36
24
455
2176.
15706.
541
125.
645.
55.3
129
12976.
129.039
± 0.500
502
14256.
78891.
0.34
23
539
193.
1665.
61.9
130
14256.
130.039
± 0.500
440
15:02
460
15:43
480
16:24
500
17:05
520
17:45
540
18:27
SCAN
TIME


MASS CHROMATOGRAMS
03/04/95 7:45:00
SAMPLE: 50PPB CASE 3931
DATA: V2716
SCANS 450 TO 650
496
14728.
102300.
525
9461.
64131.
26
0.27
581
3161.
20104.
28.9
75
14736.
75.022
± 0.500
524
50944.
284812.
27
1.2
494
2892.
17607.
566
151.
774.
100.0
78
50944.
78.023
± 0.500
553
257.
2014.
28
.009
0.5
106
257.
106.032
± 0.500
581
39040.
235478.
19
495
548.
4063.
525
223.
871.
615
132.
622.
76.6
114
39040.
114.034
± 0.500
450
15:22
500
17:05
550
18:47
600
20:30
650 SCAN
22:12 TIME


MASS CHROMATOGRAMS
03/04/85 7:45:00
SAMPLE: 50PPB CASE 3931
DATA: U2716
SCANS 500 TO 700
95.7
43
553
1325.
10925.
649
7369.
95614.
34
0.58
685
10560.
77540.
10560.
43.013
± 0.500
78.7
522
6556.
59930.
555
134.
256.
581
632.
3731.
640
8688.
61120.
33
0.37
685
141.
267.
8688.
83.025
± 0.500
100.0
154
638
11040.
57161.
32
0.40
11040.
154.049
± 0.500
28.4
173
514
288.
1359.
580
3140.
23147.
29
0.98
3140.
173.052
± 0.500
500
17:05
550
18:47
600
20:30
650
22:12
700 SCAN
23:55 TIME


MASS CHROMATOGRAMS
03/04/85 7:45:00
SAMPLE: 50PPB CASE 3931
DATA: V2716
SCANS 600 TO 780
649
2148.
28848.
35
689
1893.
28609.
35
0.17
722
1425.
3621.
5.2
58
2148.
58.017
± 0.590
688
24192.
172024.
36
1.0
58.6
32
713
147.
301.
24192.
92.028
± 0.300
683
41280.
275673.
30
1.2
100.0
98
639
1654.
11113.
717
154.
608.
41280.
98.029
± 0.500
720
20352.
166053.
31
49.3
117
638
215.
959.
754
158.
1148.
20352.
117.035
± 0.500
600
20:30
650
22:12
700
23:55
750
25:37
SCAN
TIME

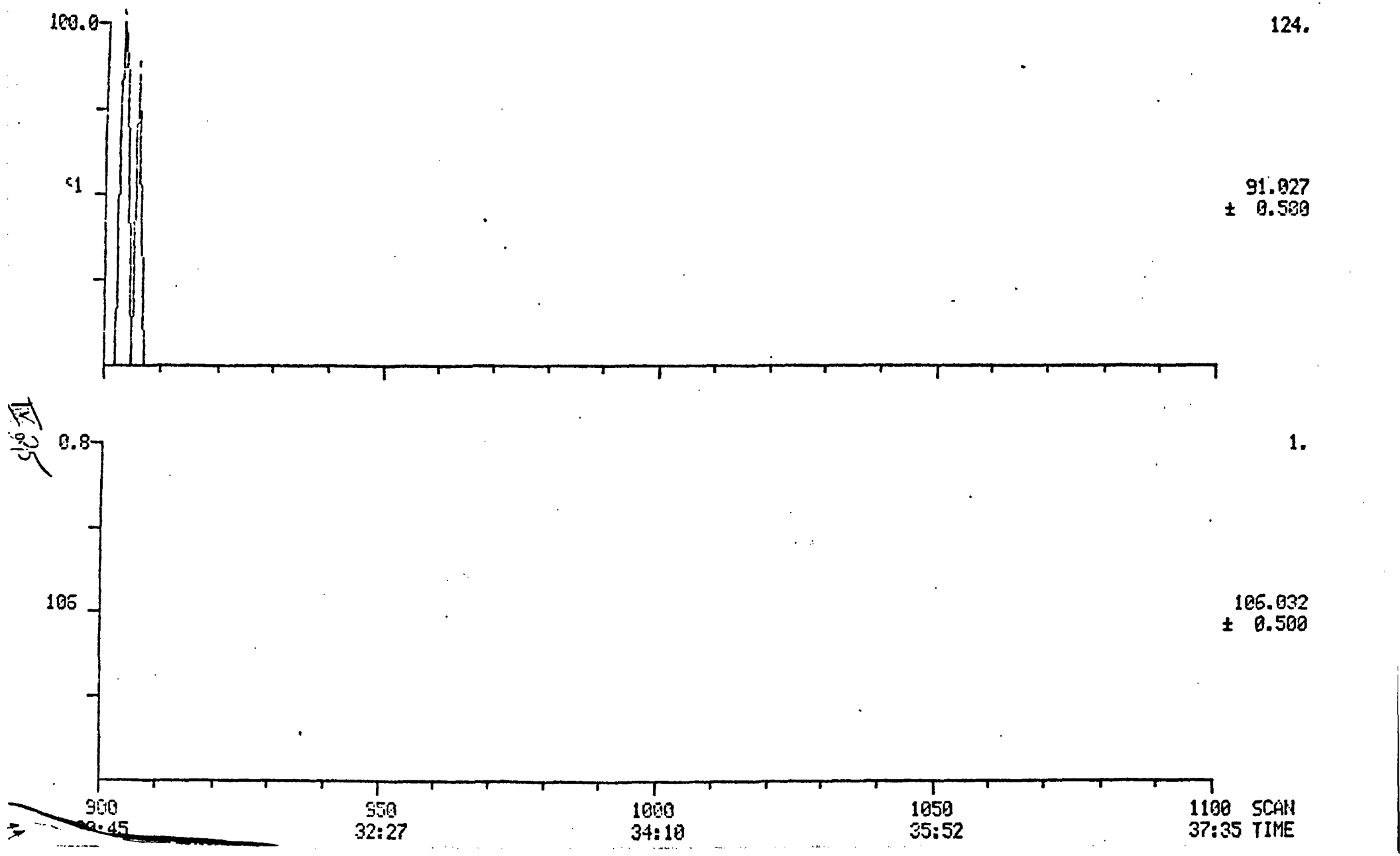

MASS CHROMATOGRAMS
03/04/85 7:45:00
SAMPLE: 50PPB CASE 3931
DATA: V2716
SCANS 680 TO 1000
893
9520.
128320.
39
0.77
43.0
95
9520.
95.028
± 0.500
954
113.
359.
897
432.
4206.
978
281.
3351.
40
2.2
1.4
432.
104.031
± 0.500
838
8040.
84805.
38
0.51
41.4
106
8040.
106.032
± 0.500
725
19424.
166459.
37
1.0
100.0
112
19424.
112.034
± 0.500
760
135.
730.
700
23:55
750
25:37
800
27:20
850
29:02
900
30:45
950
32:27
1000 SCAN
34:10 TIME


MASS CHROMATOGRAM
03/04/25 7:45:03
SAMPLE: 50PPB CASE 3331
DATA: V2716
SCANS 960 TO 1040
40
0.06
989
478.
9437.
1005
345.
2678.
1026
183.
295.
100.0
134
478.
104.031
± 0.500
960
32:48
970
33:08
980
33:29
990
33:49
1000
34:10
1010
34:30
1020
34:51
1030
35:11
1040
35:32
SCAN
TIME

MASS CHROMATOGRAMS
03/04/85 7:45:00
SAMPLE: 50PPB CASE 3331

DATA: V2716

SCANS 900 TO 1100



Case No:

Contractor: GCA

Contract No: 68-01-6767

Instrument ID: Finnigan Mat OWA

Continuing Calibration Date:

Time: 15:24

Laboratory ID: K3743

Initial Calibration Date: 3/3/85

Minimum RF for SPCC is 0.300 Maximum %D for CCC is 25%

Compound	RF	RF_{50}	%D	CCC	SPCC
Chloromethane	1.2	1.1	8.3		••
Bromomethane	1.2	1.2	-0-		
Vinyl Chloride	1.1	1.2	9.0	•	
Chloroethane	.84	1.1	31		
Methylene Chloride	1.7	2.2	29		
Acetone	.21	0.31	10		
Carbon Disulfide	3.3	3.5	6.1		
1, 1-Dichloroethene	1.2	1.5	25	•	
1, 1-Dichloroethane	3.2	4.0	25		••
Trans-1, 2-Dichloroethene	1.6	1.9	19		
Chloroform	4.3	5.3	23	•	
1, 2-Dichloroethane	4.0	4.4	10		
2-Butanone	1.2	0.34 *	133.2		
1, 1, 1-Trichloroethane	3.8	3.9	21		
Carbon Tetrachloride	2.6	2.1	19		
Vinyl Acetate	0.13	0.20	42		
Bromodichloromethane	0.94	0.83	12		
1, 2-Dichloropropane	0.42	0.53	26	•	
Trans-1, 3-Dichloropropene	0.47	0.53	13		
Trichloroethene	0.37	0.38	2.7		
Dibromochloromethane	0.56	0.40	28		
1, 1, 2-Trichloroethane	0.29	0.33	14		
Benzene	1.2	1.4	17		
cis-1, 3-Dichloropropene	0.33	0.39	18		
2-Chloroethylvinylether	0.01	0.04	130		
Bromoform	0.28	0.10	14		••
2-Hexanone	0.13	0.21	47		
4-Methyl-2-Pentanone	0.78	0.68	14		
Tetrachloroethene	0.45	0.44	2.3		
1, 1, 2, 2-Tetrachloroethane	0.38	0.48	26		••
Toluene	0.98	1.1	12	•	
Chlorobenzene	0.97	1.1	13		••
Ethylbenzene	0.47	0.57	21	•	
Styrene	0.27	0.06 ~~ND*~~	78		
Total Xylenes	ND	ND*			

RF_{50} -Response Factor from daily standard file at 50 ug/l

RF -Average Response Factor from initial calibration Form VI

%D -Percent Difference

CCC -Calibration Check Compounds (•)

SPCC -System Performance Check Compounds (••)

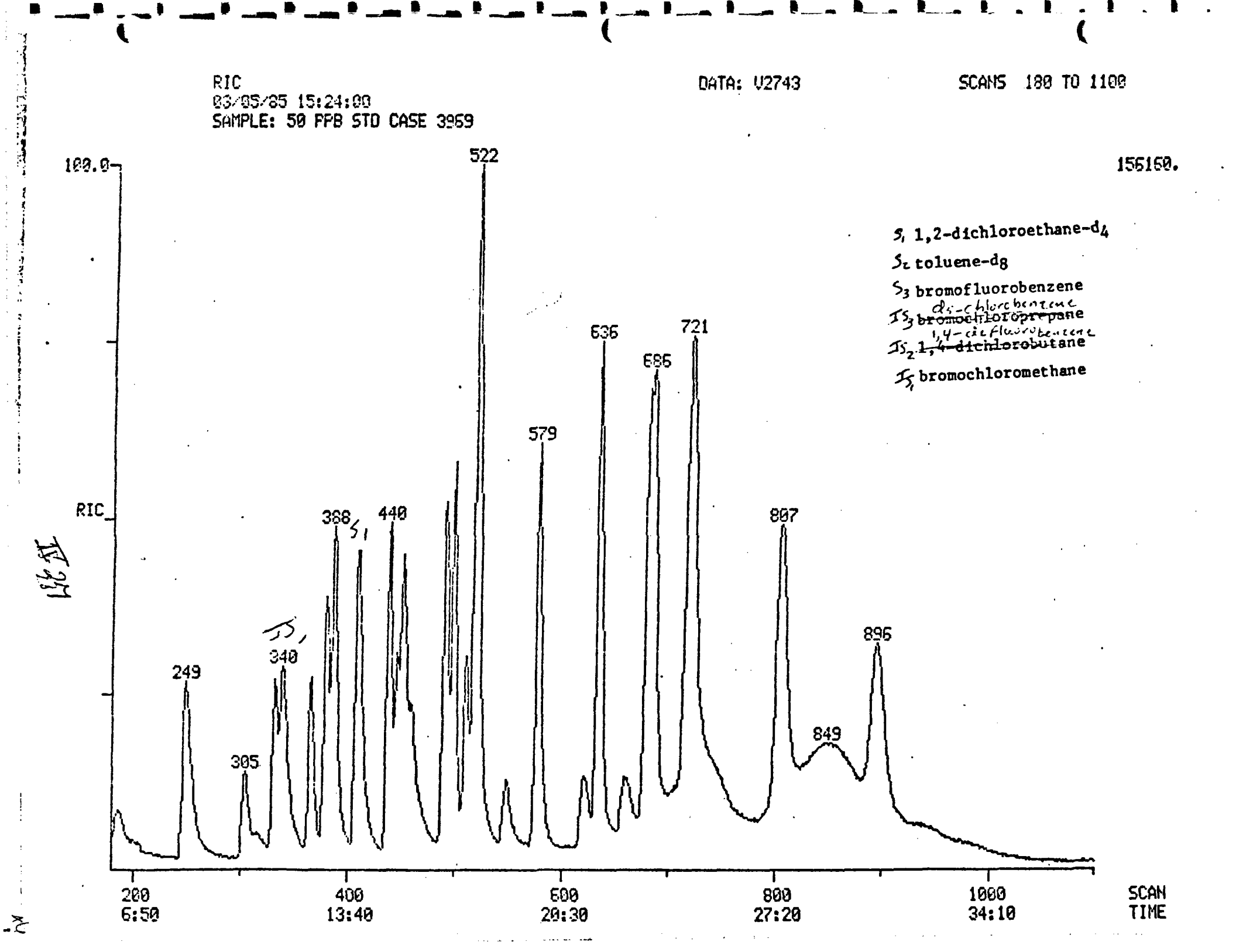
* See narrative

ND - see narrative

Form VII

~~IV 7~~ cu

IV 26


RIC
03/05/85 15:24:00
SAMPLE: 50 PPB STD CASE 3959
DATA: V2743
SCANS 180 TO 1100
100.0
156160.
RIC
S1 1,2-dichloroethane-d4
S2 toluene-d8
S3 bromofluorobenzene
IS3 di-chlorobenzene
IS2 1,4-difluorobenzene
IS1 bromochloromethane
522
579
636
686
721
807
896
849
388
440
340
305
249
200
6:50
400
13:40
600
20:30
800
27:20
1000
34:10
SCAN
TIME

VULCAN ORGANICS IN WATER ANALYZER
QUANTITATION REPORT FILE: V2190

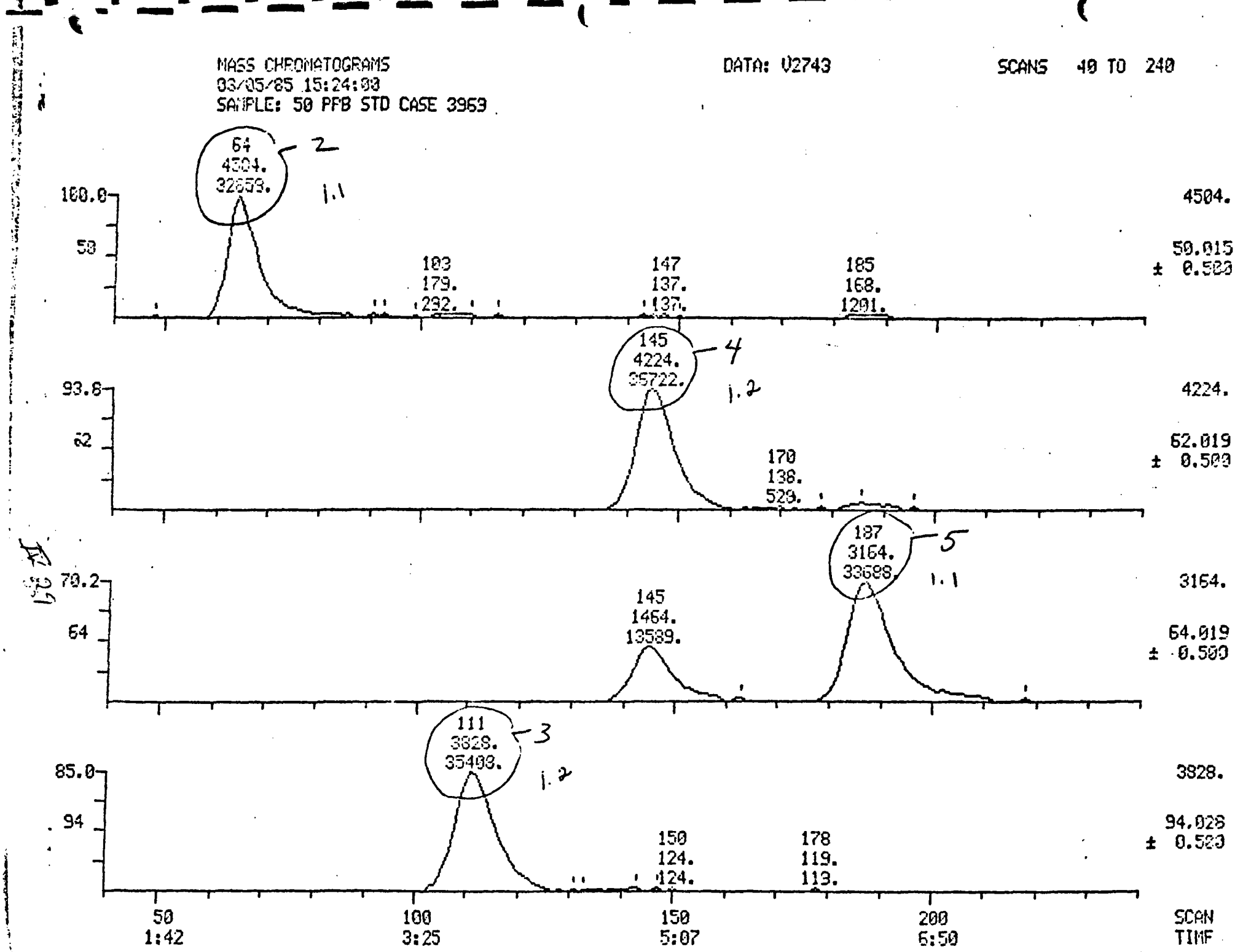
A: V2190.TI
08/04 10:28:00
FILE:
SUBMITTED BY: ANALYST:

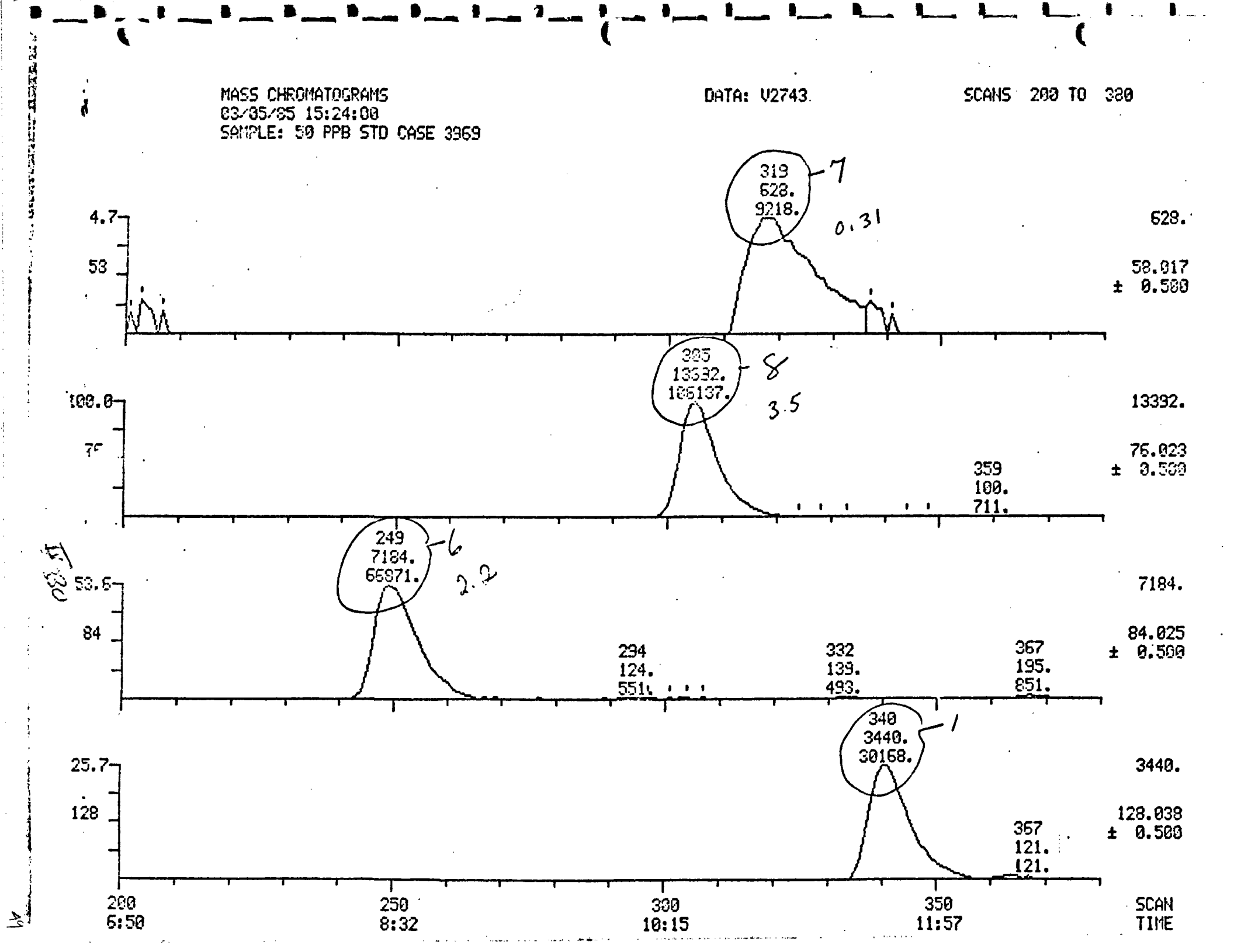
OUNT=AREA(HGHT) * REF. AMNT/(REF. AREA(HGHT) * RESP. FAC.)
SP. FAC. FROM LIBRARY ENTRY

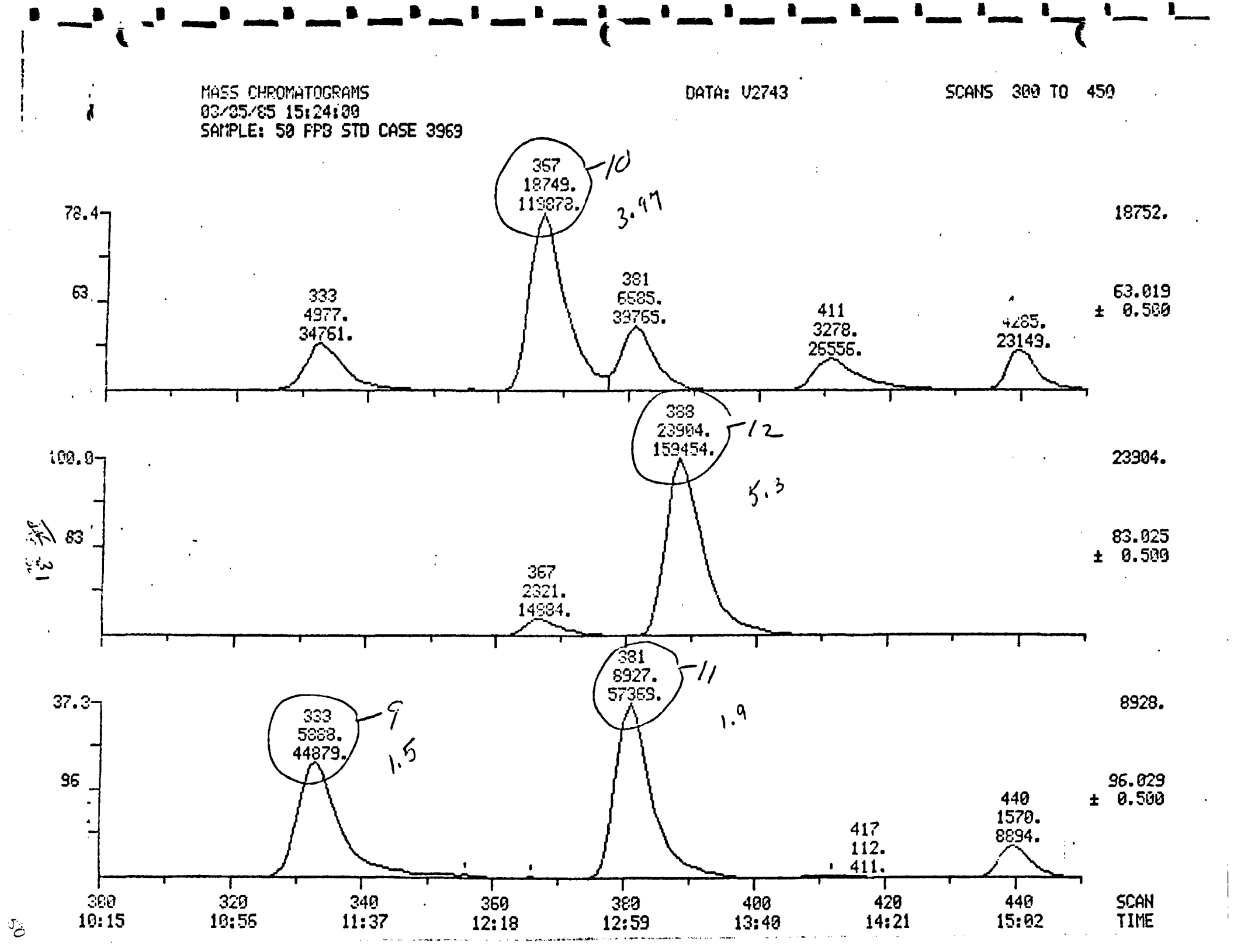
)	NAME
1	BROMOCHLOROMETHANE (INTERNAL STANDARD 1)
2	CHLOROMETHANE
3	BROMOMETHANE
4	VINYL CHLORIDE
5	CHLOROETHANE
6	METHYLENE CHLORIDE
7	ACETONE
8	CARBON DISULFIDE
9	1,1-DICHLOROETHENE
0	1,1-DICHLOROETHANE
1	TRANS-1,2-DICHLOROETHENE
2	CHLOROFORM
3	D4-1,2-DICHLOROETHANE (SURROGATE 1)
4	1,2-DICHLOROETHENE
5	2-BUTANONE
6	1,1,1-TRICHLOROETHANE
7	CARBON TETRACHLORIDE
8	VINYL ACETATE
9	BROMODICHLOROMETHANE
0	1,2-DICHLOROPROPANE
1	TRANS-1,3-DICHLOROPROPENE
2	TRICHLOROETHENE
3	DIBROMOCHLOROMETHANE
4	1,1,2-TRICHLOROETHANE
	BENZENE
6	CIS-1,3-DICHLOROPROPENE
7	2-CHLOROETHYLVINYLETHER
8	1,4-DIFLUOROBENZENE (INTERNAL STANDARD 2)
	BROMOFORM
0	4-METHYL-2-PENTANONE
1	1,1,2,2-TETRACHLOROETHANE
2	TETRACHLOROETHENE
3	2-HEXANONE
4	D8-TOLUENE (SURROGATE 2)
5	TOLUENE
6	D5-CHLOROBENZENE (INTERNAL STANDARD 3)
7	CHLOROBENZENE
8	ETHYLBENZENE
	4-BROMOFLUOROBENZENE (SURROGATE 3)
0	STYRENE
1	TOTAL XYLENES

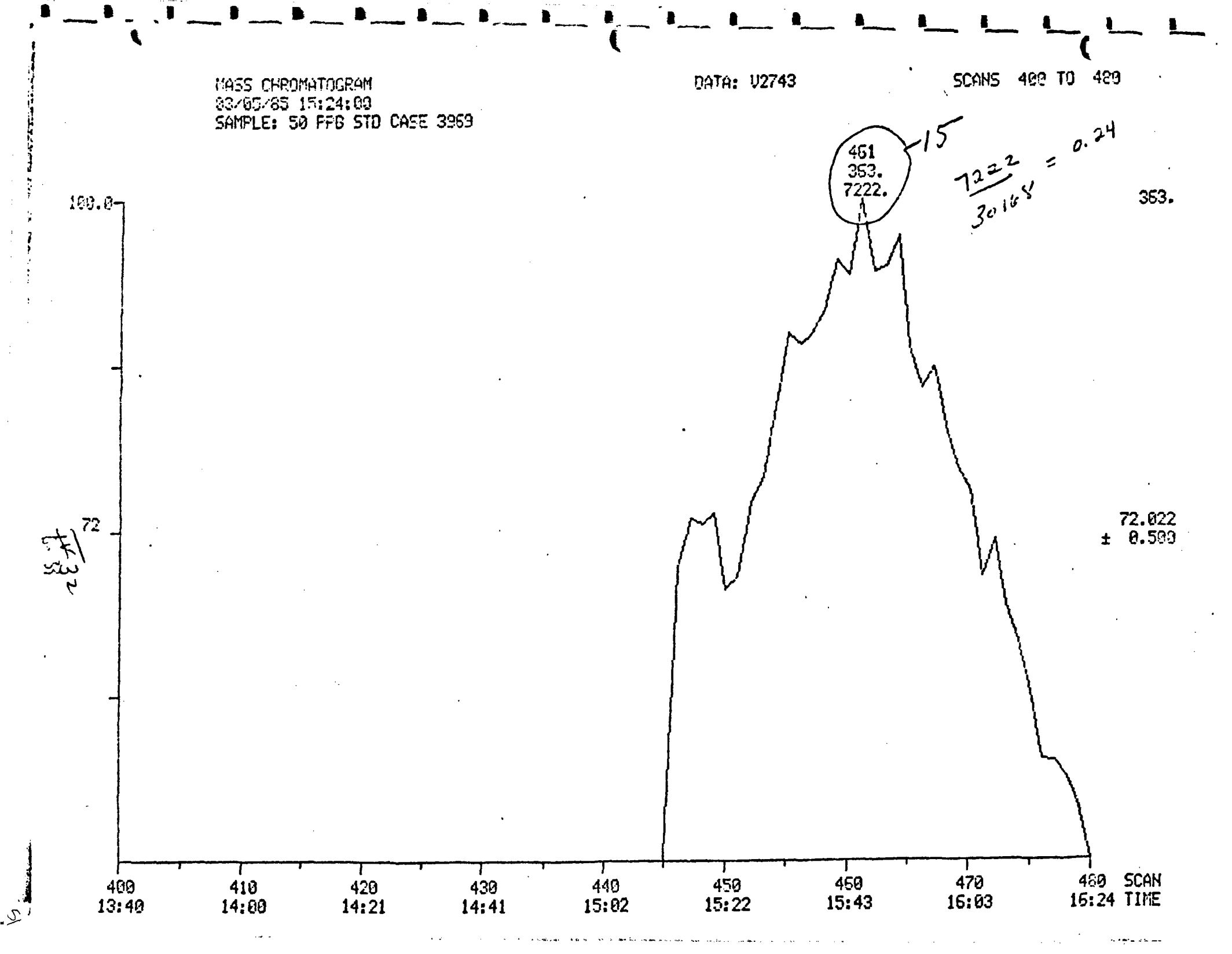
IV.16a

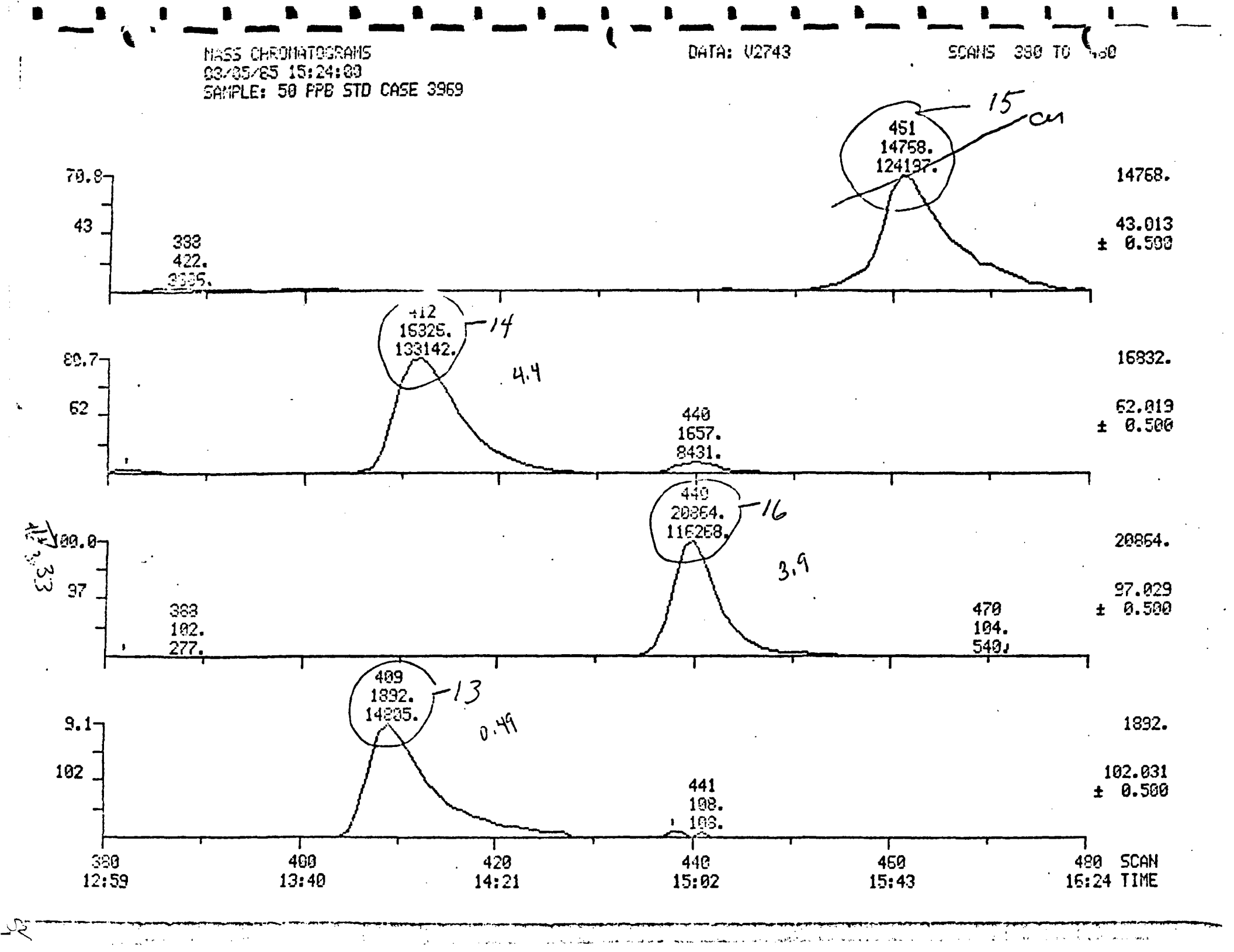
IV.28

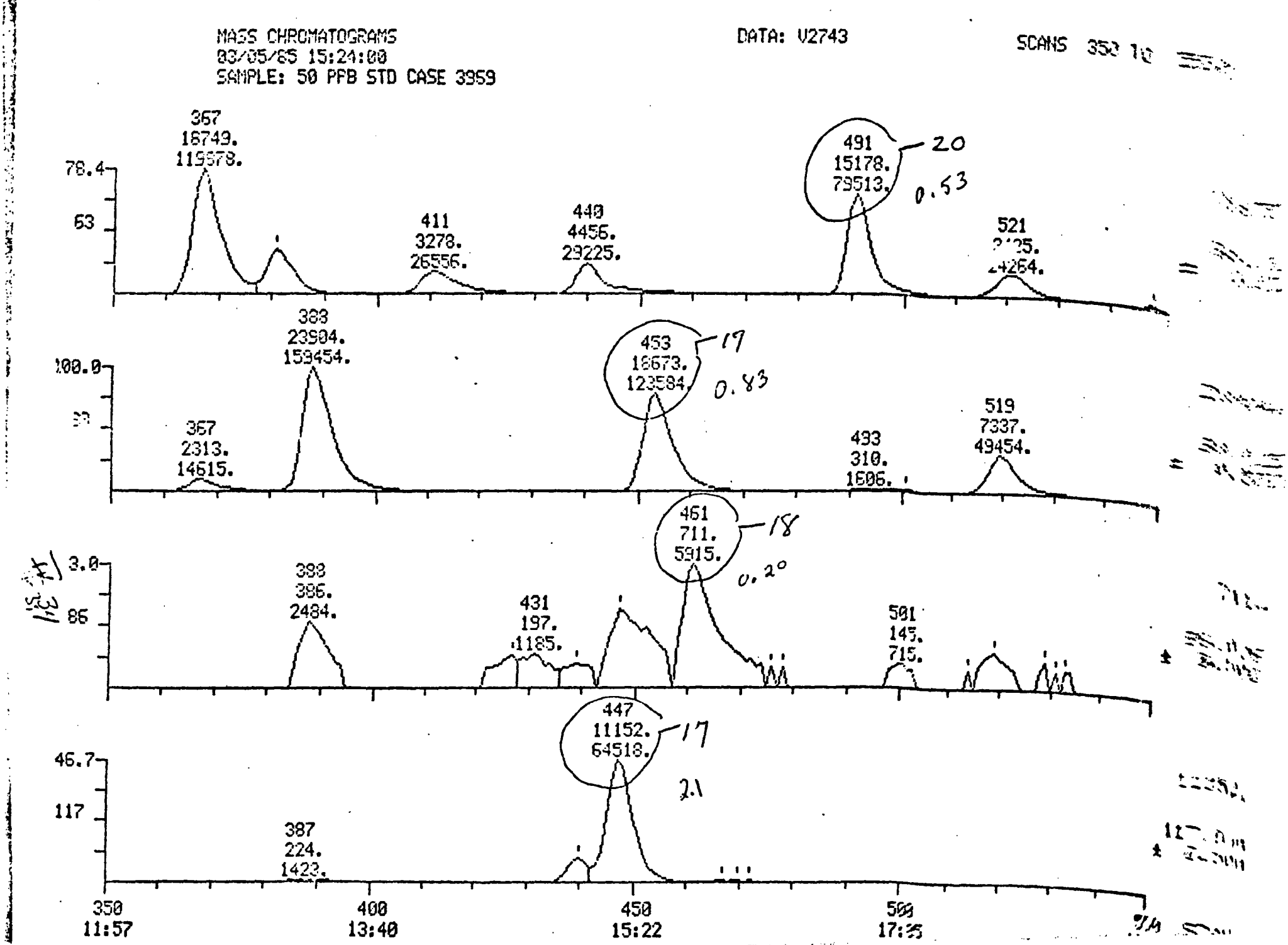

MASS CHROMATOGRAMS
03/05/85 15:24:00
SAMPLE: 50 PPB STD CASE 3963
DATA: V2743
SCANS 40 TO 240
64
4504.
32653.
2
1.1
100.0
50
4504.
50.015
± 0.500
103
179.
292.
147
137.
137.
185
168.
1291.
145
4224.
35722.
4
1.2
93.8
62
4224.
62.019
± 0.500
170
138.
529.
187
3164.
33698.
5
1.1
70.2
64
3164.
64.019
± 0.500
145
1464.
13589.
111
3828.
35408.
3
1.2
85.0
94
3828.
94.028
± 0.500
150
124.
124.
178
119.
113.
50
1:42
100
3:25
150
5:07
200
6:50
SCAN
TIME

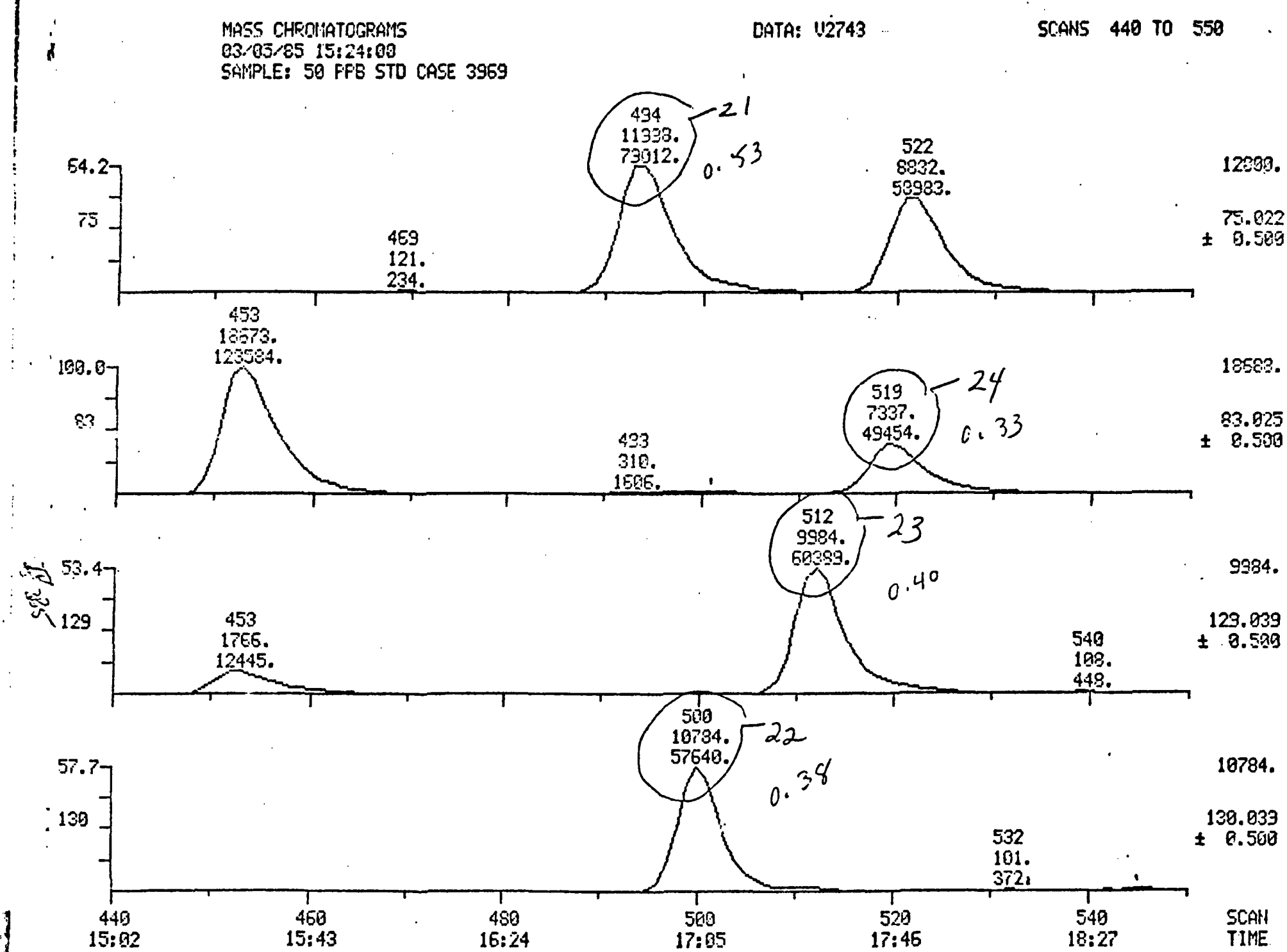

MASS CHROMATOGRAMS
03/05/85 15:24:00
SAMPLE: 50 PPB STD CASE 3969
DATA: V2743
SCANS 200 TO 380
319
628.
9218.
7
0.31
4.7
53
628.
58.017
± 0.500
385
13382.
105137.
8
3.5
100.0
75
13392.
75.023
± 0.500
359
100.
711.
249
7184.
66871.
6
2.2
53.6
84
7184.
84.025
± 0.500
294
124.
551
332
139.
493.
367
195.
851.
340
3440.
30168.
1
25.7
128
3440.
128.038
± 0.500
367
121.
121.
200
6:50
250
8:32
300
10:15
350
11:57
SCAN
TIME

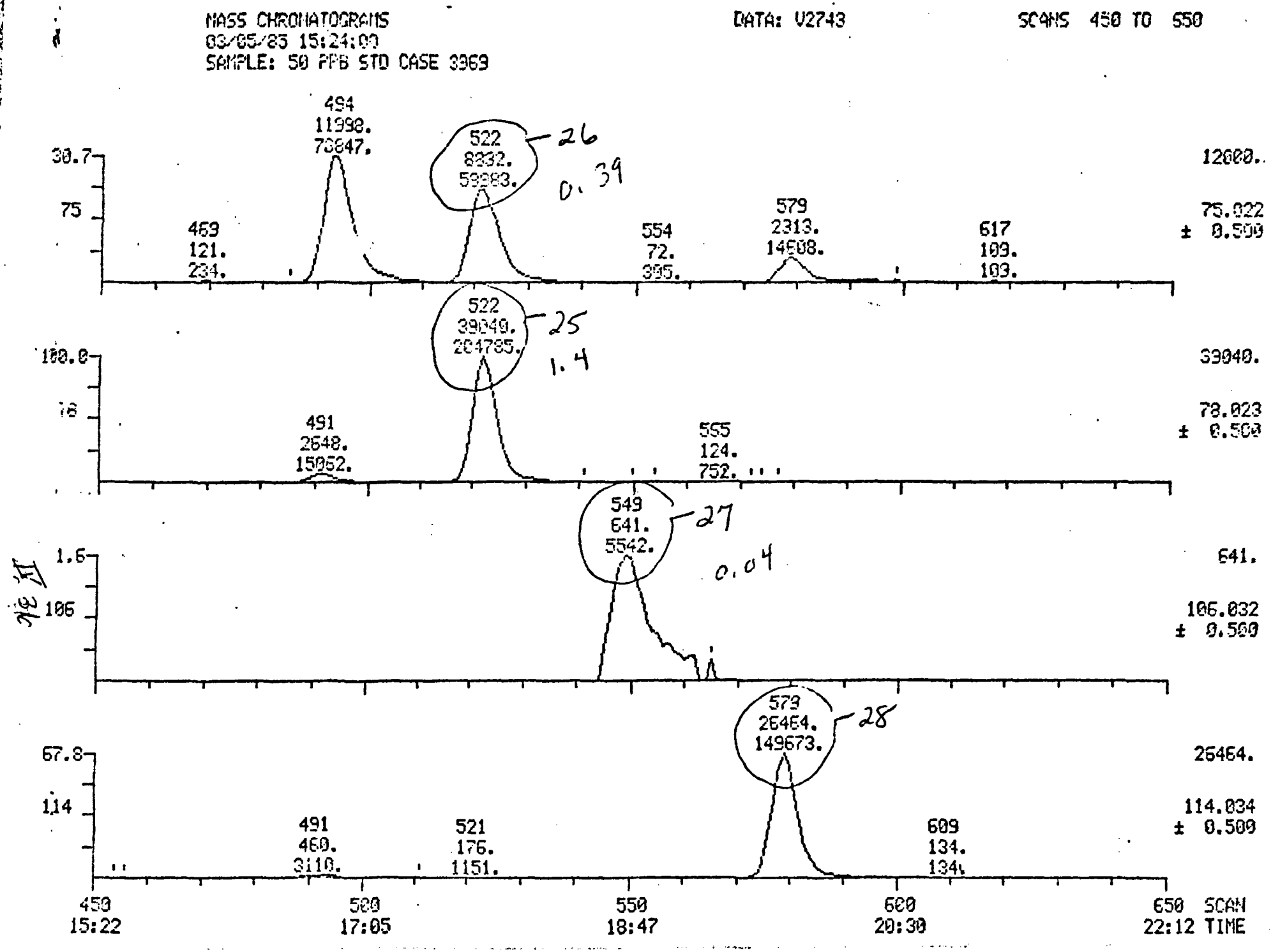

MASS CHROMATOGRAMS
03/05/85 15:24:00
SAMPLE: 50 FPB STD CASE 3969
DATA: V2743
SCANS 300 TO 450
78.4
63
18752.
63.019
± 0.500
367
18749.
119878.
10
3.97
333
4977.
34761.
381
6585.
38765.
411
3278.
26556.
4285.
23149.
100.0
83
23904.
83.025
± 0.500
388
23904.
159454.
12
5.3
367
2321.
14984.
37.3
96
8928.
96.029
± 0.500
381
8927.
57368.
11
1.9
333
5888.
44879.
9
1.5
417
112.
411.
440
1570.
8894.
300
10:15
320
10:56
340
11:37
360
12:18
380
12:59
400
13:40
420
14:21
440
15:02
SCAN
TIME

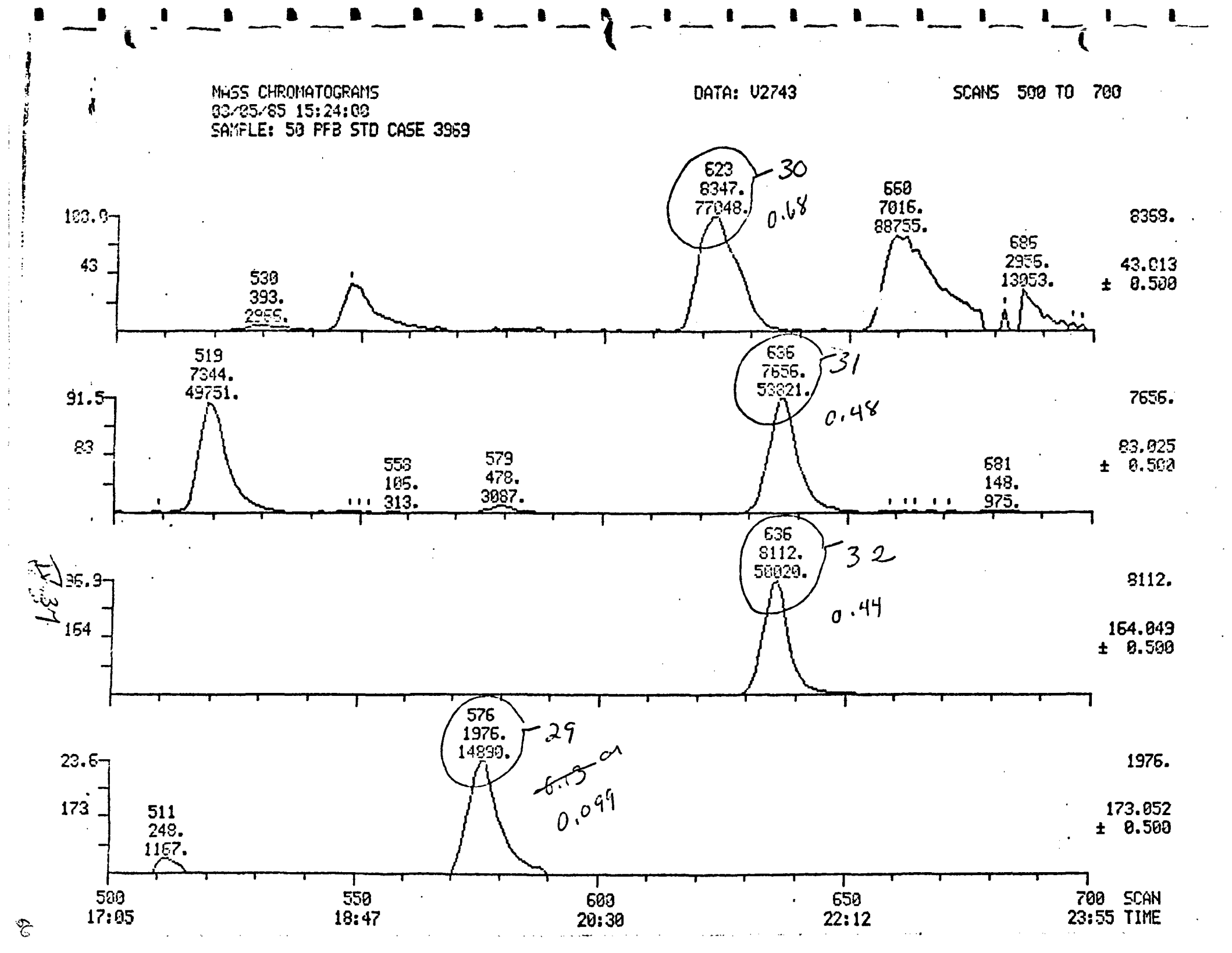

MASS CHROMATOGRAM
03/05/85 15:24:00
SAMPLE: 50 PPB STD CASE 3969
DATA: V2743
SCANS 400 TO 480
461
353.
7222.
15
7222/30168 = 0.24
353.
100.0
72
72.022
± 0.500
400
13:40
410
14:00
420
14:21
430
14:41
440
15:02
450
15:22
460
15:43
470
16:03
480
15:24
SCAN
TIME

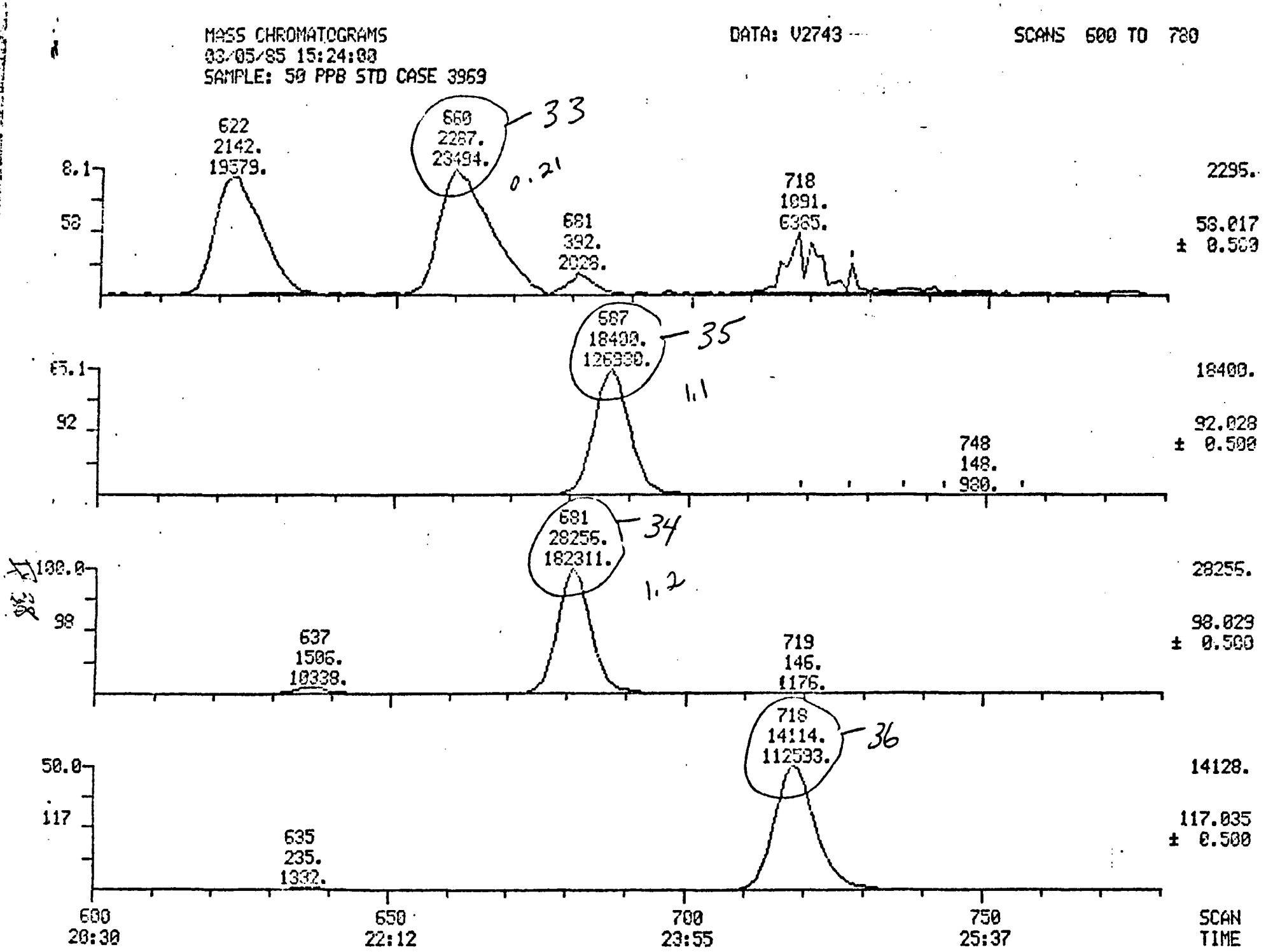

MASS CHROMATOGRAMS
03/05/85 15:24:00
SAMPLE: 50 PPB STD CASE 3969
DATA: V2743
SCANS 380 TO
451
14758.
124197.
15
14768.
43.013
± 0.500
70.8
43
388
422.
412
16325.
133142.
14
4.4
16832.
62.019
± 0.500
80.7
62
440
1657.
8431.
449
20864.
116268.
16
3.9
20864.
97.029
± 0.500
100.0
97
388
102.
277.
470
104.
540.
409
1892.
14805.
13
0.49
1892.
102.031
± 0.500
9.1
102
441
108.
108.
380
12:59
400
13:40
420
14:21
440
15:02
460
15:43
480
16:24
SCAN
TIME


MASS CHROMATOGRAMS
03/05/85 15:24:00
SAMPLE: 50 PPB STD CASE 3959
DATA: V2743
SCANS 350 10
78.4
63
367
18749.
119578.
411
3278.
26556.
440
4456.
29225.
491
15178.
79513.
20
0.53
521
100.0
367
2313.
14615.
383
23904.
159454.
453
18673.
123584.
17
0.83
493
310.
1606.
519
7337.
49454.
3.0
86
383
386.
2484.
431
197.
1185.
461
711.
5915.
18
0.20
501
145.
715.
46.7
117
387
224.
1423.
447
11152.
64518.
17
2.1
350
11:57
400
13:40
450
15:22
500
17:35


MASS CHROMATOGRAMS
03/05/85 15:24:00
SAMPLE: 50 PPB STD CASE 3969
DATA: U2743
SCANS 440 TO 550
494
11388.
73012.
21
0.43
522
8832.
50983.
54.2
75
12000.
75.022
± 0.500
469
121.
234.
453
18673.
123584.
100.0
83
18583.
83.025
± 0.500
519
7337.
49454.
24
0.33
433
310.
1606.
512
9984.
60389.
23
0.40
53.4
129
9984.
129.039
± 0.500
453
1766.
12445.
540
108.
448.
500
10784.
57640.
22
0.38
57.7
130
10784.
130.039
± 0.500
532
101.
372.
440
15:02
460
15:43
480
16:24
500
17:05
520
17:46
540
18:27
SCAN
TIME


MASS CHROMATOGRAMS
03/05/83 15:24:00
SAMPLE: 50 PPB STD CASE 3969
DATA: V2743
SCANS 450 TO 550
494
11998.
73847.
522
8232.
59983.
26
0.39
579
2313.
14508.
463
121.
234.
554
72.
395.
617
109.
103.
30.7
75
12000.
75.022
± 0.500
522
39040.
284785.
25
1.4
491
2648.
15052.
555
124.
752.
100.0
78
39040.
78.023
± 0.500
549
641.
5542.
27
0.04
1.6
106
641.
106.032
± 0.500
579
26464.
149673.
28
491
460.
3110.
521
176.
1151.
609
134.
134
67.8
114
26464.
114.034
± 0.500
450
15:22
500
17:05
550
18:47
600
20:30
650 SCAN
22:12 TIME

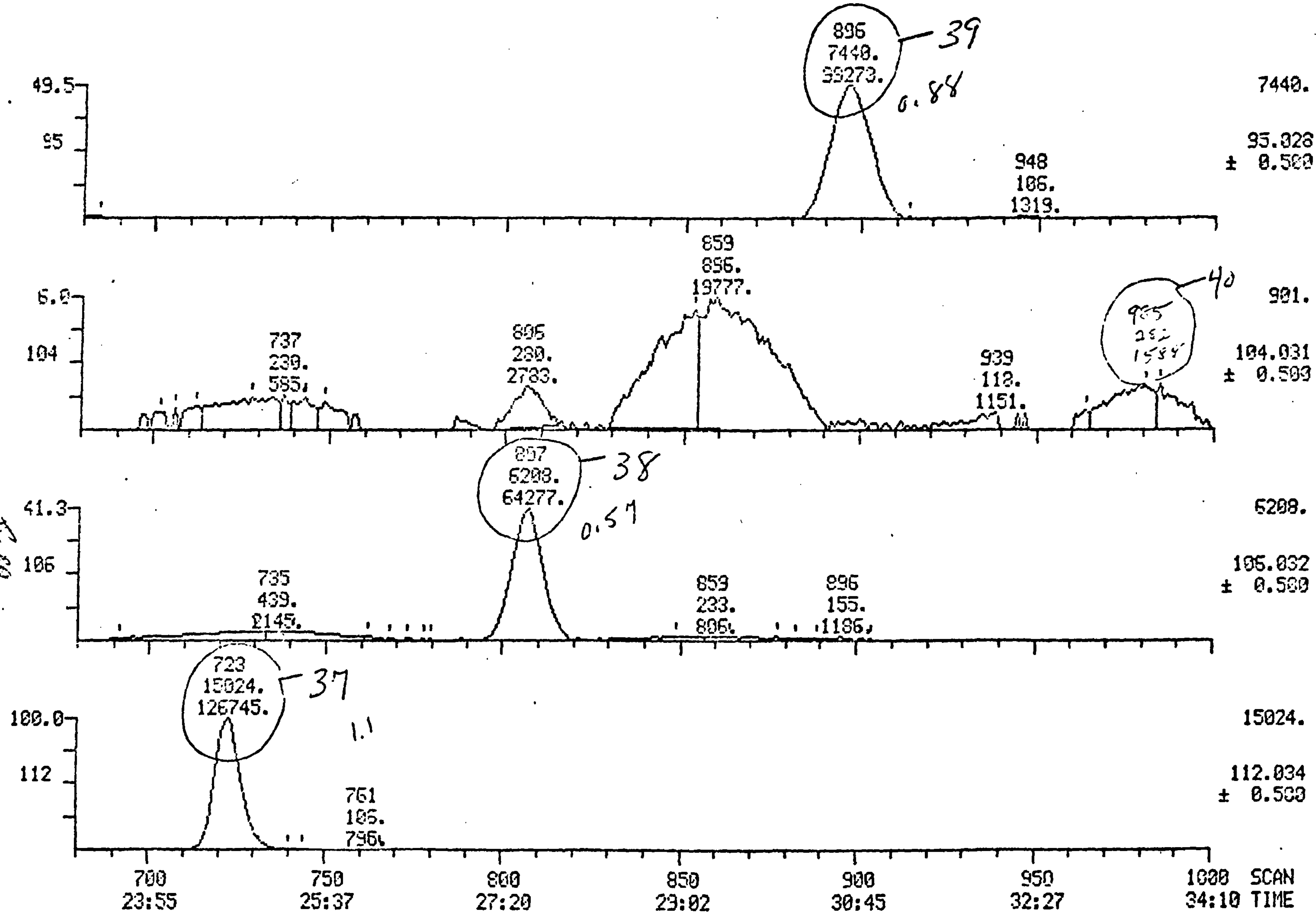

MASS CHROMATOGRAMS
03/25/85 15:24:00
SAMPLE: 50 PFB STD CASE 3969
DATA: V2743
SCANS 500 TO 700
623
8347.
77048.
30
0.68
660
7016.
88755.
685
2955.
13053.
530
393.
2955.
100.0
43
8359.
43.013
± 0.500
519
7344.
49751.
636
7656.
53821.
31
0.48
553
105.
313.
579
478.
3087.
681
148.
975.
91.5
83
7656.
83.025
± 0.500
636
8112.
50020.
32
0.44
36.9
164
8112.
164.049
± 0.500
576
1976.
14890.
29
0.099
511
248.
1167.
23.6
173
1976.
173.052
± 0.500
500
17:05
550
18:47
600
20:30
650
22:12
700 SCAN
23:55 TIME

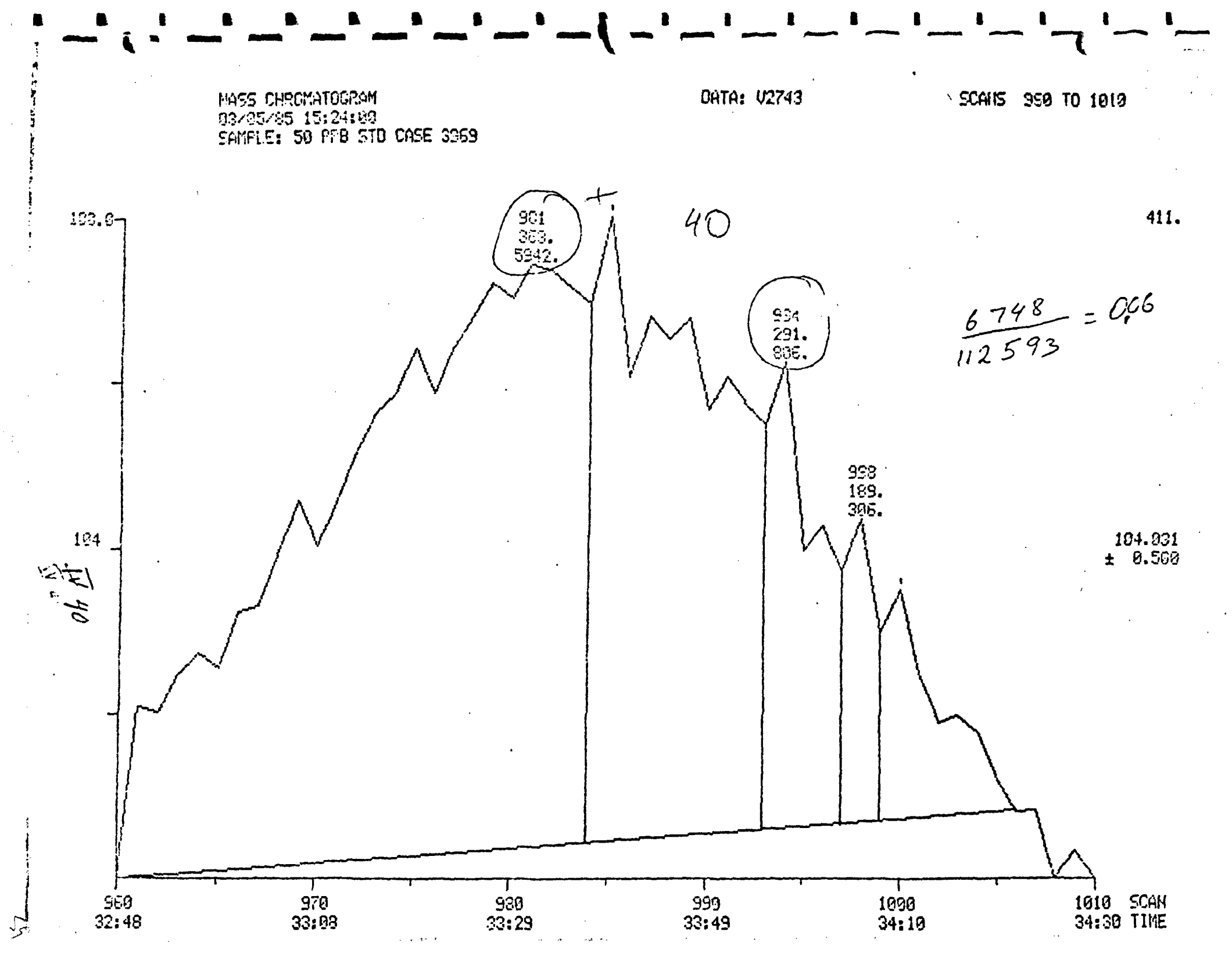

MASS CHROMATOGRAMS
03/05/85 15:24:00
SAMPLE: 50 PPB STD CASE 3969
DATA: V2743
SCANS 600 TO 780
622
2142.
19579.
660
2287.
23494.
33
0.21
681
392.
2028.
718
1091.
6365.
8.1
58
2295.
58.017
± 0.500
587
18400.
126930.
35
1.1
748
148.
980.
65.1
92
18400.
92.028
± 0.500
681
28256.
182311.
34
1.2
637
1506.
10338.
719
146.
1176.
100.0
98
28255.
98.023
± 0.500
718
14114.
112593.
36
635
235.
1332.
50.0
117
14128.
117.035
± 0.500
600
20:30
650
22:12
700
23:55
750
25:37
SCAN
TIME

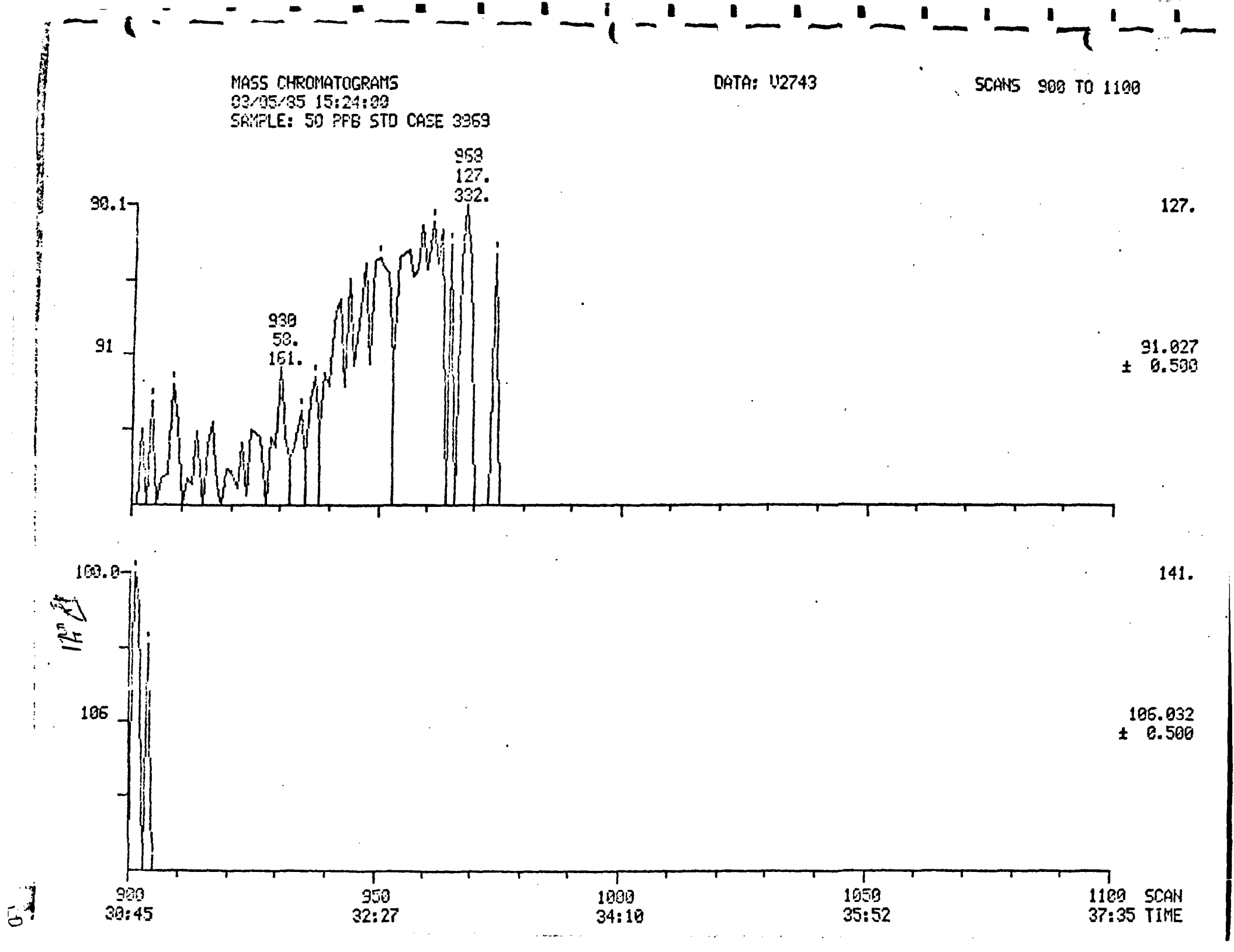
MASS CHROMATOGRAMS
03/05/05 15:24:00
SAMPLE: 50 PPB STD CASE 3969

DATA: V2743

SCANS 680 TO 1000




MASS CHROMATOGRAM
03/05/85 15:24:00
SAMPLE: 50 PPB STD CASE 3969
DATA: V2743
SCANS 950 TO 1010
103.8
104
411.
901
363.
5942.
934
291.
886.
938
189.
306.
104.031
± 0.500
40
6748/112593 = 0.06
960
32:48
970
33:08
980
33:29
990
33:49
1000
34:10
1010 SCAN
34:30 TIME


MASS CHROMATOGRAMS
03/05/85 15:24:00
SAMPLE: 50 PPB STD CASE 3369
DATA: V2743
SCANS 900 TO 1100
968
127.
332.
930
50.
161.
90.1
91
127.
91.027
± 0.500
100.0
106
141.
106.032
± 0.500
900
30:45
950
32:27
1000
34:10
1050
35:52
1100 SCAN
37:35 TIME

Case No: 3969 Calibration Date: 3/6/85

Contractor: GCA Time: 11:43

Contract No: 68-01-6767 Laboratory ID: V2755

Instrument ID: Finnigan MAT ONA Initial Calibration Date: 3/3/85

Minimum RF for SPCC is 0.300 Maximum %D for CCC is 25%

Compound	RF	RF_{50}	%D	CCC	SPCC
Chloromethane	1.2	0.88	27		**
Bromomethane	1.2	1.1	8.3		
Vinyl Chloride	1.1	1.0	9.1	*	
Chloroethane	.54	0.93	11		
Methylene Chloride	1.7	2.4	41		
Acetone	.21	0.24	14		
Carbon Disulfide	3.3	3.2	3.0		
1, 1-Dichloroethene	1.2	1.3	10	*	
1, 1-Dichloroethane	3.2	4.0	~~25~~ 25		**
Trans-1, 2-Dichloroethene	1.6	1.9	19		
Chloroform	4.3	5.1	19	*	
1, 2-Dichloroethane	4.0	4.1	2.5		
2-Butanone	1.2	0.10	92		
1, 1, 1-Trichloroethane	3.8	3.5	7.9		
Carbon Tetrachloride	2.6	1.8	31		
Vinyl Acetate	0.13	0.15	15		
Bromodichloromethane	0.94	0.77	18		
1, 2-Dichloropropane	0.42	0.52	24	*	
Trans-1, 3 Dichloropropene	0.47	0.49	3.0		
Trichloroethene	0.37	0.36	2.7		
Dibromochloromethane	0.56	~~0.35~~ 0.54	38		
1, 1, 2-Trichloroethane	0.29	0.30	3.4		
Benzene	1.2	1.3	8.3		
cis-1, 3-Dichloropropene	0.33	0.32	3.0		
2-Chloroethylvinylether	0.01	0.03	200		
Bromoform	0.28	0.08	71		**
2-Hexanone	0.13	0.19	46		
4-Methyl-2-Pentanone	0.78	0.64	18		
Tetrachloroethene	0.48	0.42	13		
1, 1, 2, 2-Tetrachloroethane	0.38	0.44	16		**
Toluene	0.98	1.1	12	*	
Chlorobenzene	0.77	1.1	13		**
Ethylbenzene	0.47	0.57	21	*	
Styrene	0.27	0.23	15		
Total Xylenes	ND	ND	ND		

RF_{50} -Response Factor from daily standard at 50 ug/l

RF -Average Response Factor from initial calibration from Form VI

%D -Percent Difference

CCC -Calibration Check Compounds (*)

SPCC -System Performance Check Compounds (**)

Form VII

IV 42

4/84

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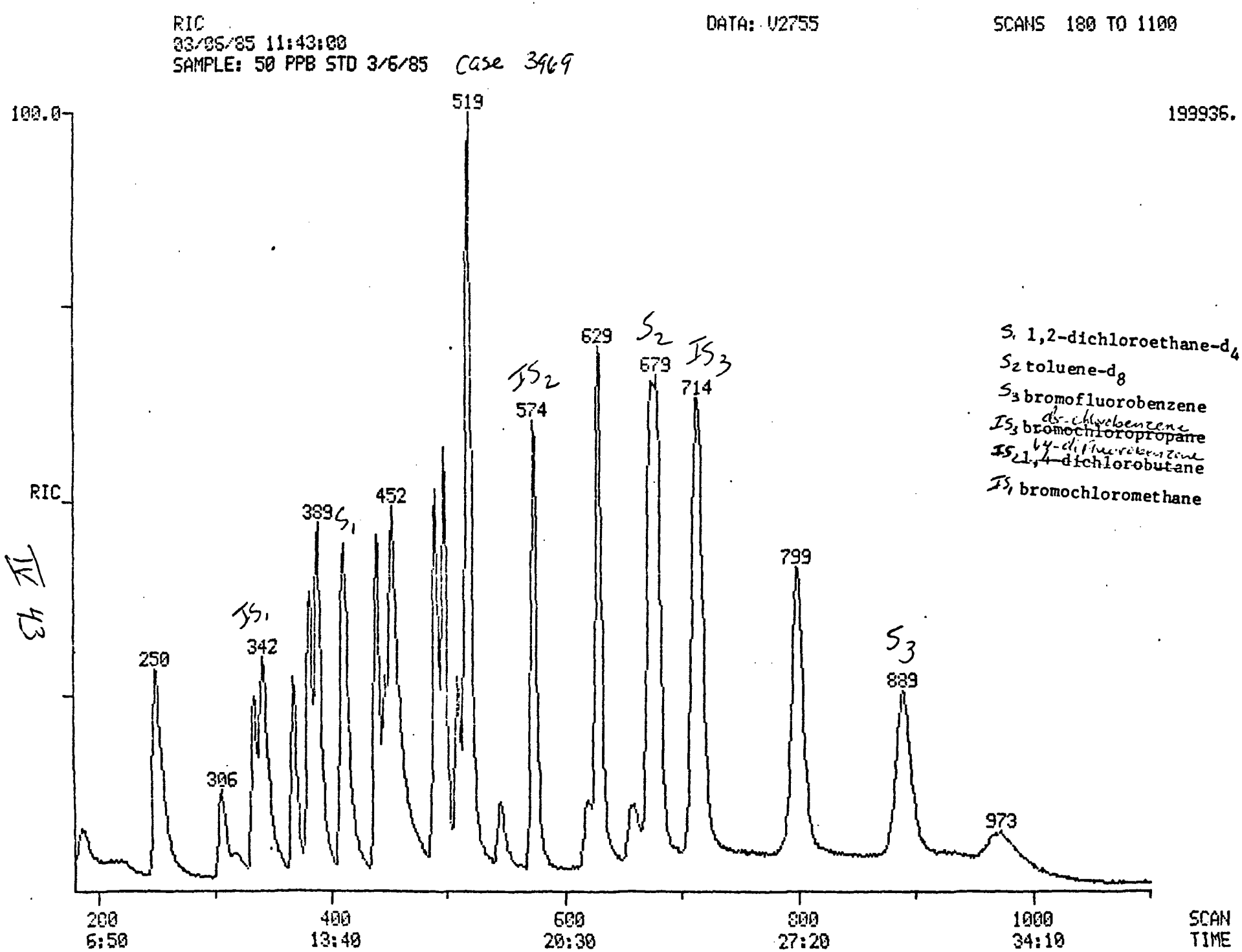
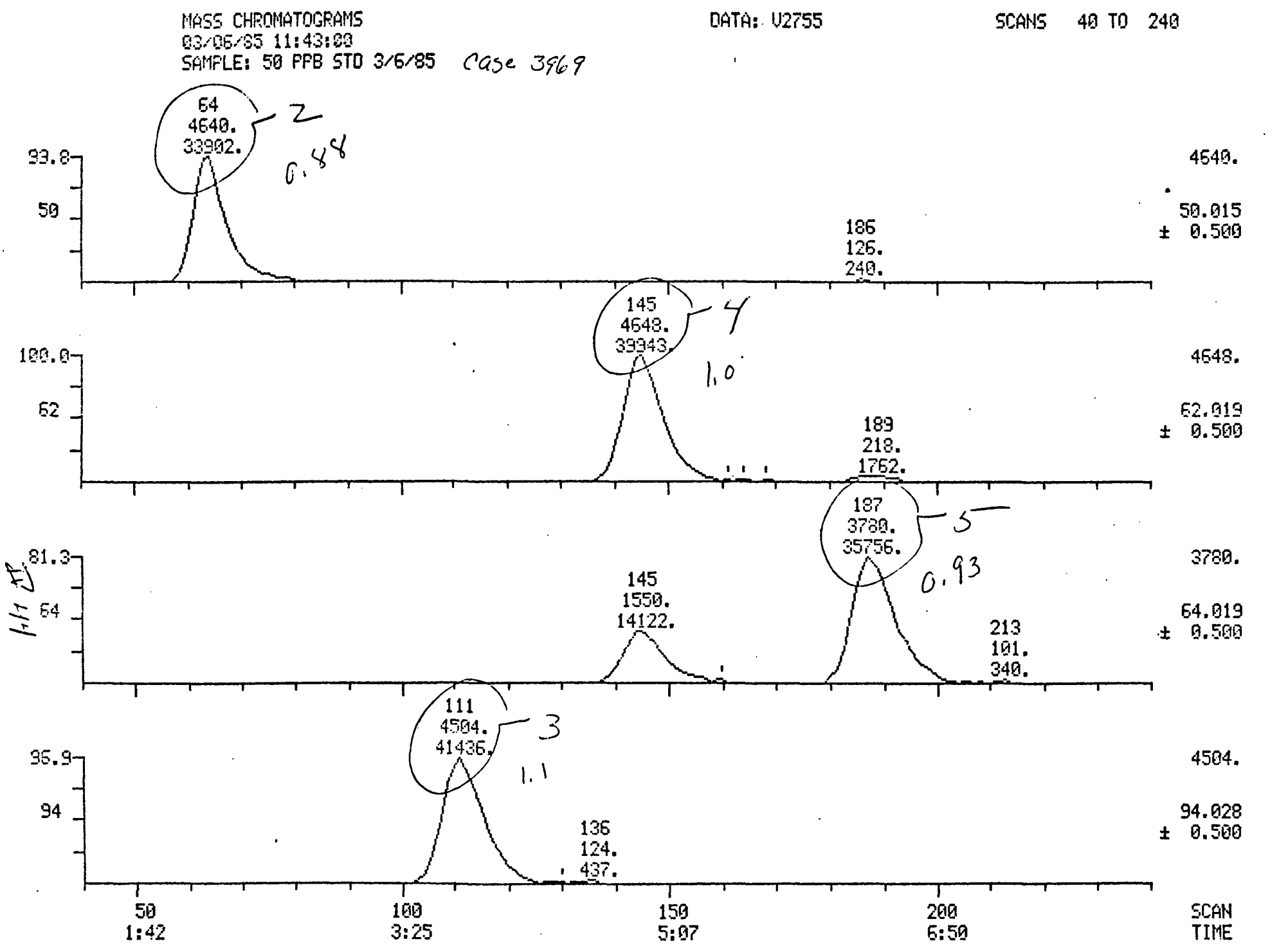
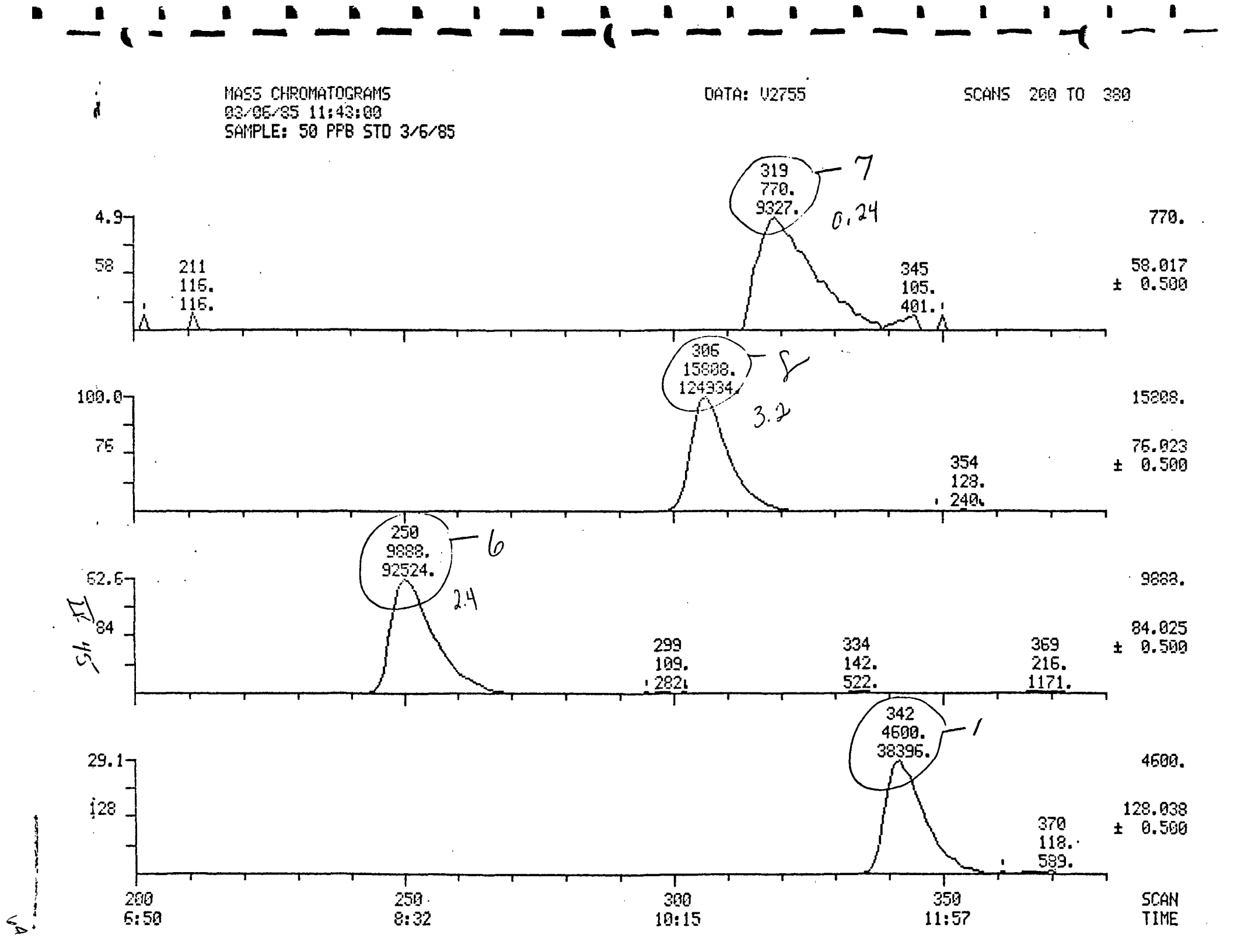
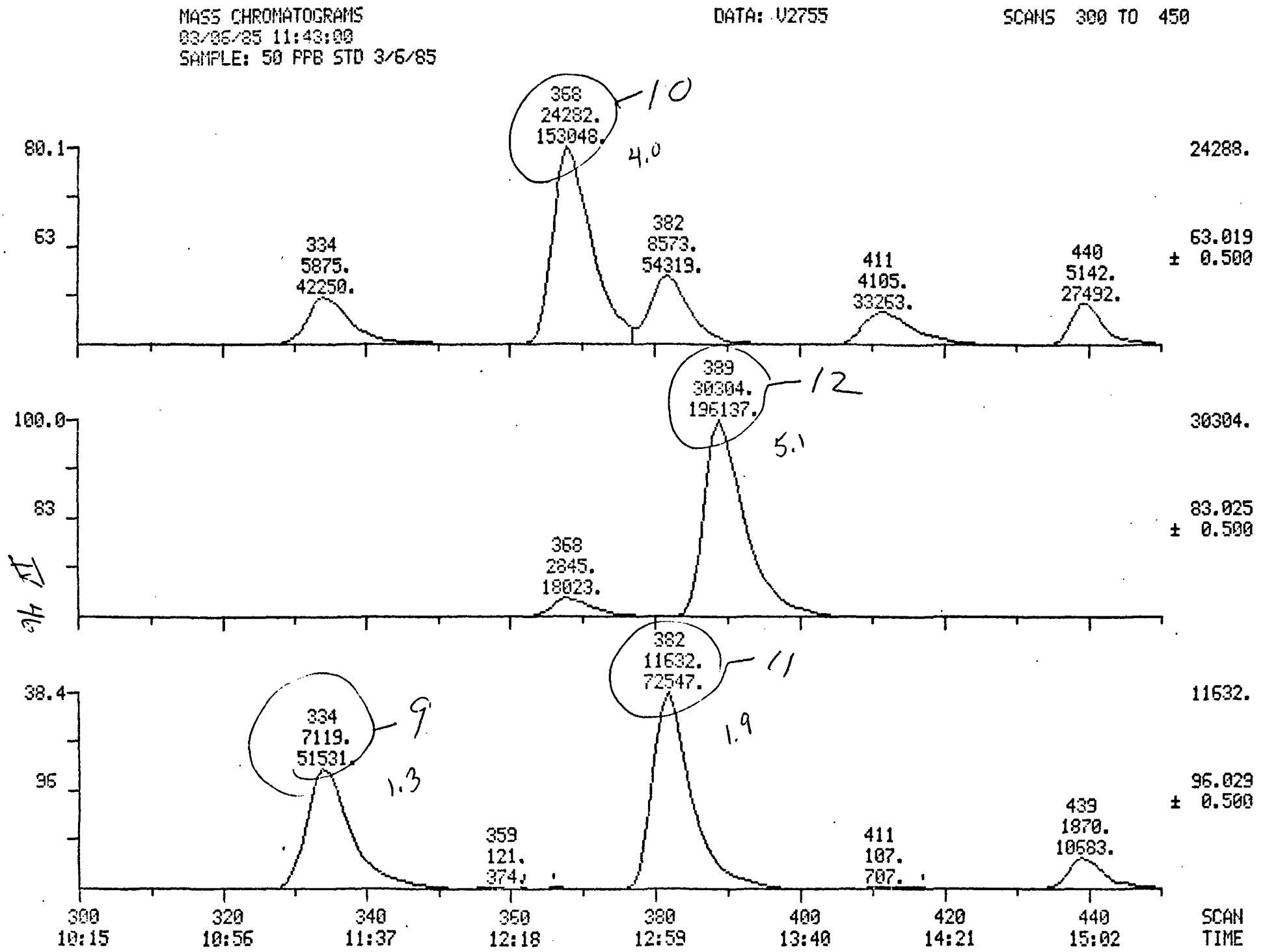
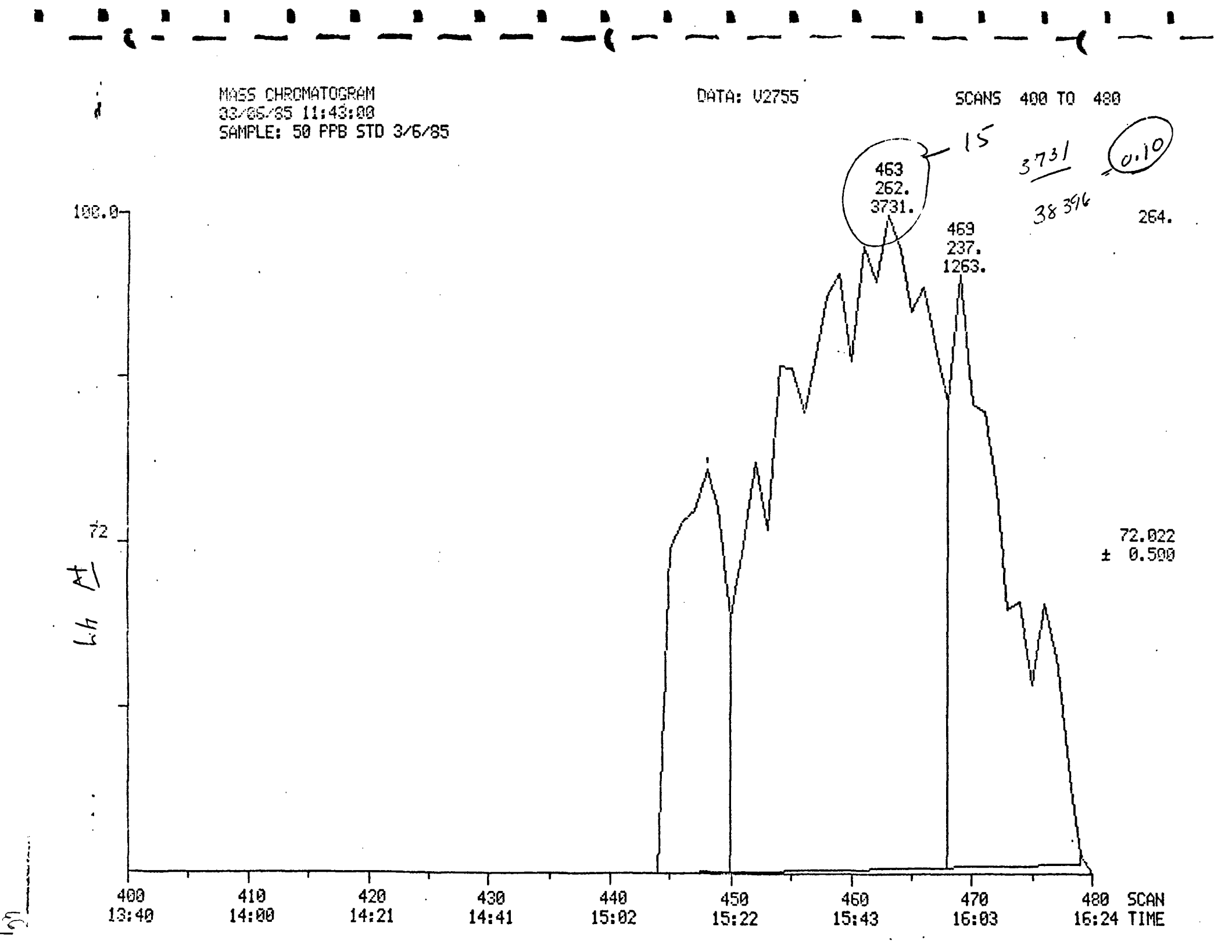
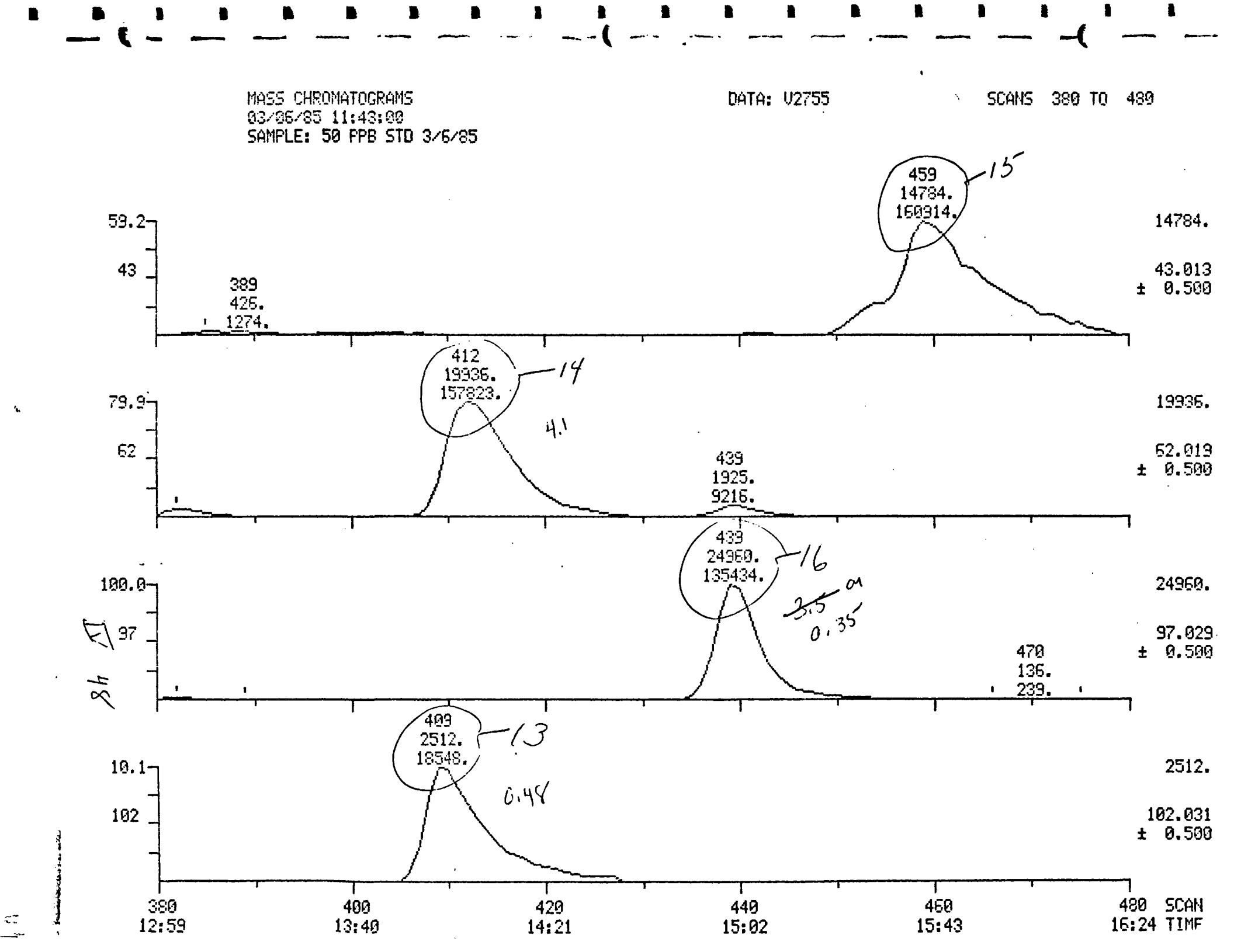

RIC
03/05/85 11:43:00
SAMPLE: 50 PPB STD 3/6/85 Case 3469
DATA: V2755
SCANS 180 TO 1100
100.0
199936.
RIC
519
629
673
714
574
389
452
342
250
306
799
889
973
S1 1,2-dichloroethane-d4
S2 toluene-d8
S3 bromofluorobenzene
IS3 bromochloropropane
IS2 1,4-dichlorobutane
IS1 bromochloromethane
200
6:50
400
13:40
600
20:30
800
27:20
1000
34:10
SCAN
TIME

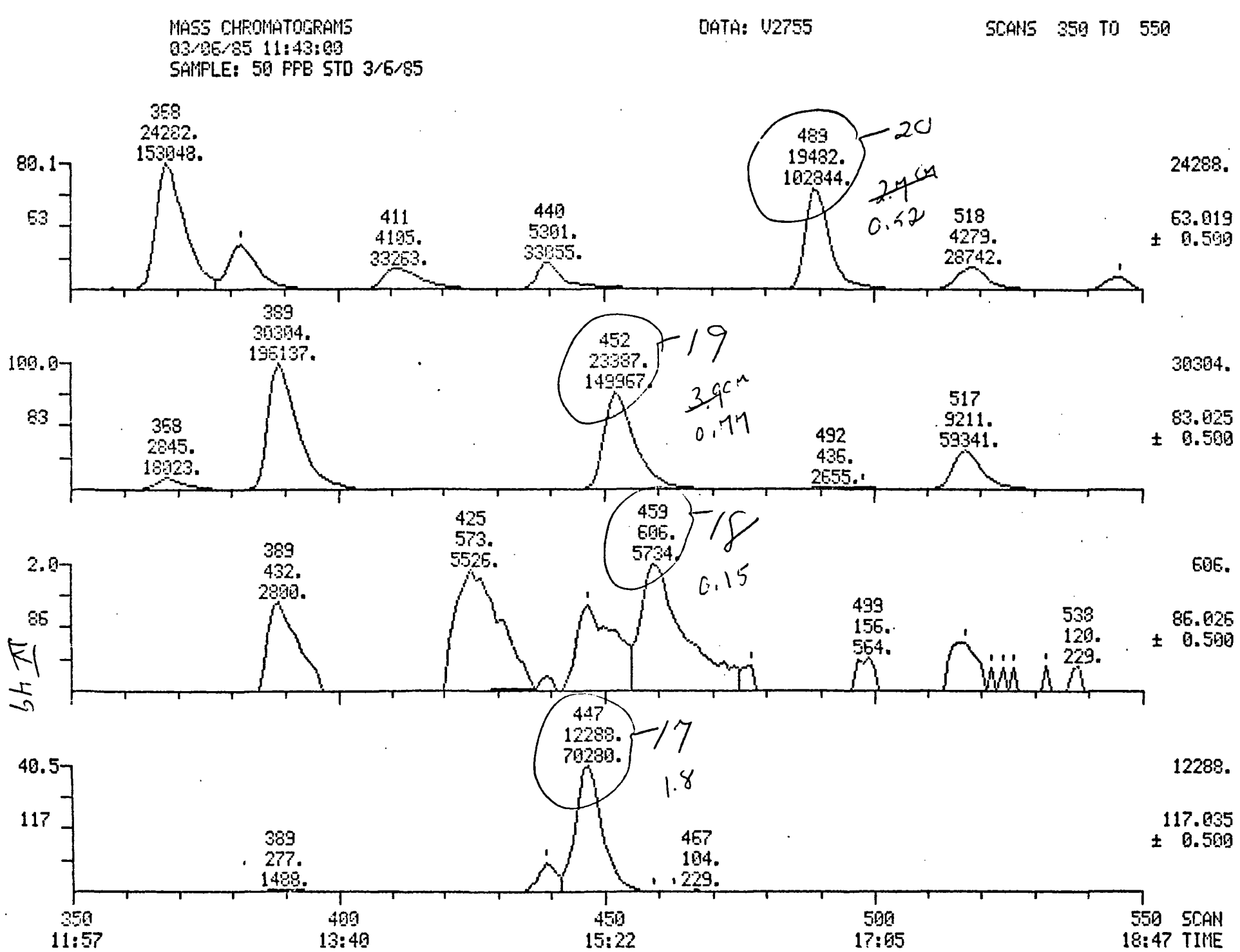

MASS CHROMATOGRAMS
03/06/85 11:43:00
SAMPLE: 50 PPB STD 3/6/85 Case 3969
DATA: V2755
SCANS 40 TO 240
64
4640.
33902.
2
0.88
93.8
50
186
126.
240.
4640.
50.015
± 0.500
145
4648.
33943.
4
1.0
100.0
62
189
218.
1762.
4648.
62.019
± 0.500
187
3780.
35756.
5
0.93
81.3
64
145
1550.
14122.
213
101.
340.
3780.
64.019
± 0.500
111
4504.
41436.
3
1.1
96.9
94
136
124.
437.
4504.
94.028
± 0.500
50
1:42
100
3:25
150
5:07
200
6:50
SCAN
TIME

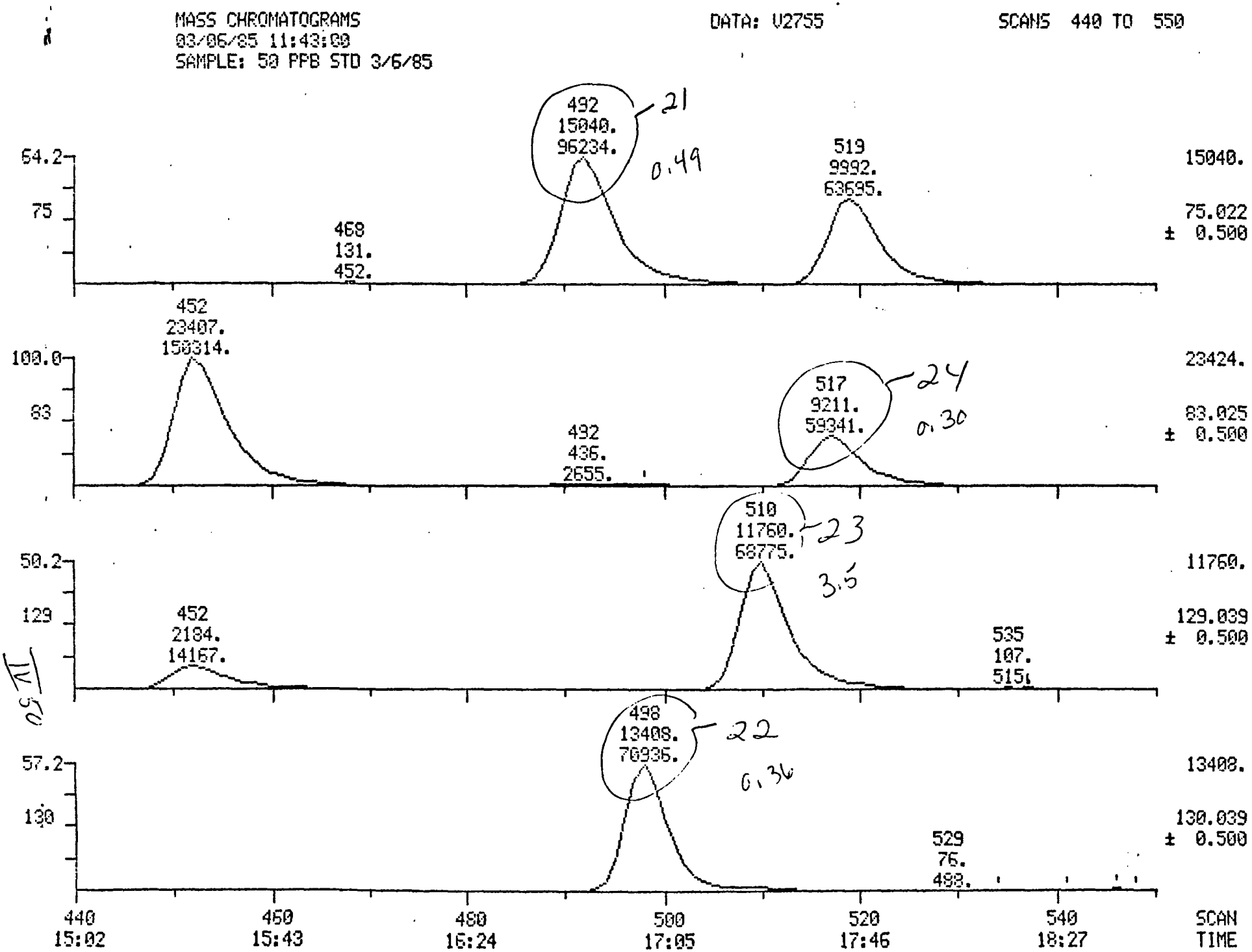

MASS CHROMATOGRAMS
03/06/85 11:43:00
SAMPLE: 50 PPB STD 3/6/85
DATA: V2755
SCANS 200 TO 380
319
770.
9327.
7
0.24
770.
4.9
58
211
116.
116.
345
105.
401.
58.017
± 0.500
306
15808.
124834.
8
3.2
15808.
100.0
76
354
128.
240.
76.023
± 0.500
250
9888.
92524.
6
2.4
9888.
62.6
84
299
109.
282.
334
142.
522.
369
216.
1171.
84.025
± 0.500
342
4600.
38396.
1
4600.
29.1
128
370
118.
589.
128.038
± 0.500
200
6:50
250
8:32
300
10:15
350
11:57
SCAN
TIME

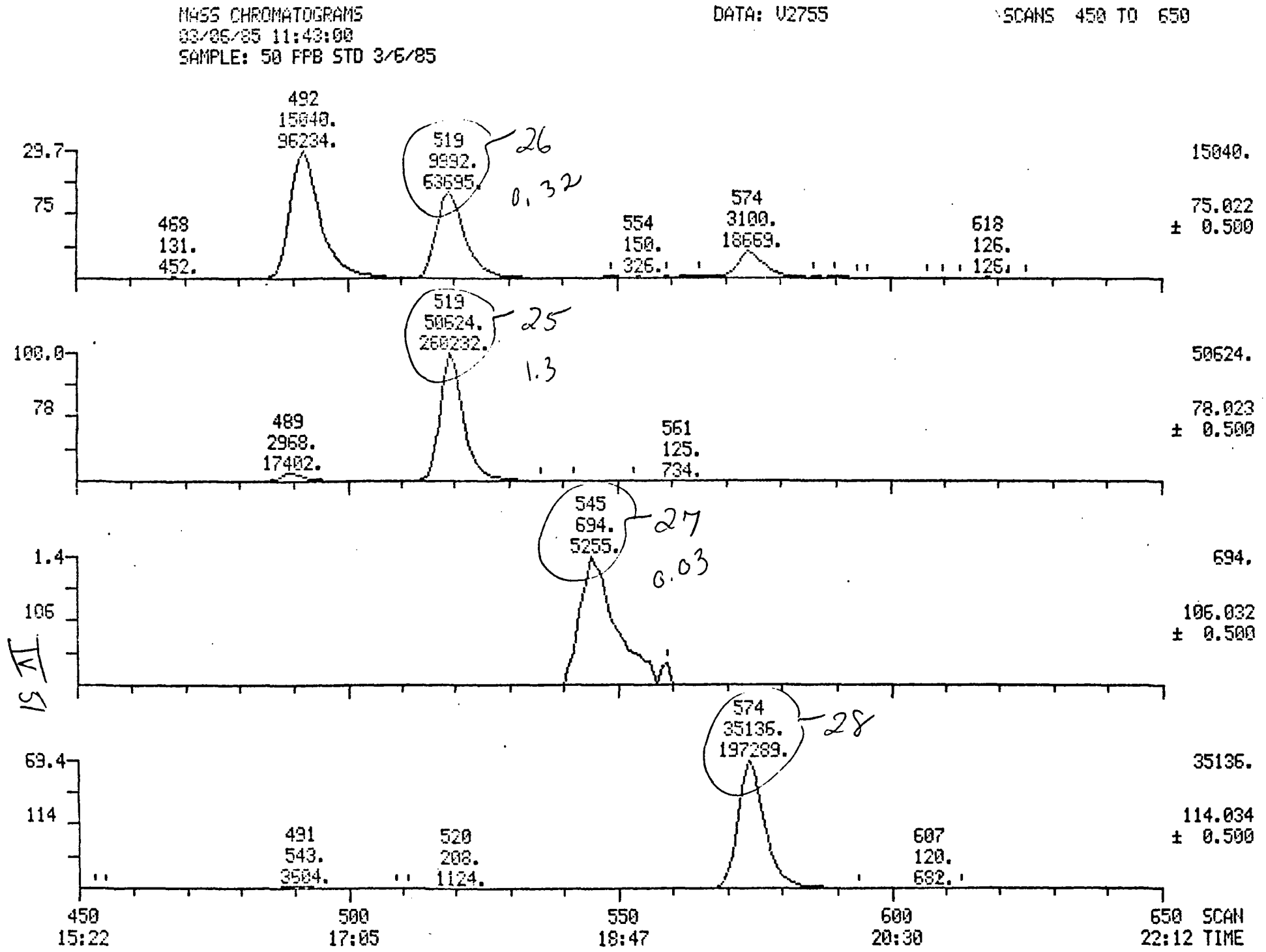

MASS CHROMATOGRAMS
03/06/85 11:43:00
SAMPLE: 50 PPB STD 3/6/85
DATA: V2755
SCANS 300 TO 450
368
24282.
153048.
10
4.0
80.1
63
24288.
63.019
± 0.500
334
5875.
42250.
382
8573.
54319.
411
4105.
33263.
440
5142.
27492.
389
30304.
196137.
12
5.1
100.0
83
30304.
83.025
± 0.500
368
2845.
18023.
94 Et
382
11632.
72547.
11
1.9
38.4
96
11632.
96.029
± 0.500
334
7119.
51531.
9
1.3
359
121.
374.
411
107.
707.
439
1870.
10683.
300
10:15
320
10:56
340
11:37
360
12:18
380
12:59
400
13:40
420
14:21
440
15:02
SCAN
TIME

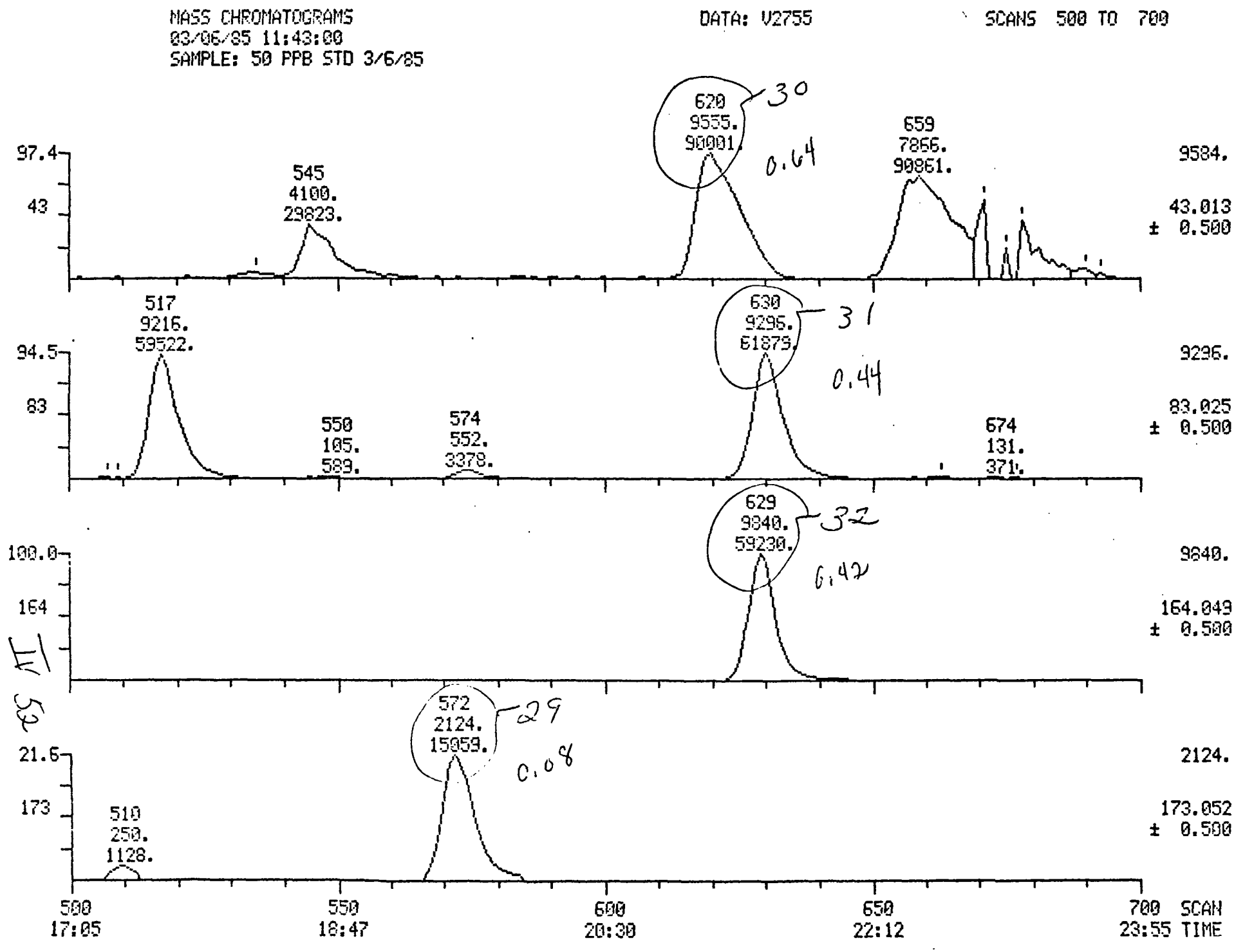

MASS CHROMATOGRAM
03/06/85 11:43:00
SAMPLE: 50 PPB STD 3/6/85
DATA: V2755
SCANS 400 TO 480
463
262.
3731.
469
237.
1263.
264.
100.0
72
72.022
± 0.500
400
13:40
410
14:00
420
14:21
430
14:41
440
15:02
450
15:22
460
15:43
470
16:03
480
16:24
SCAN
TIME

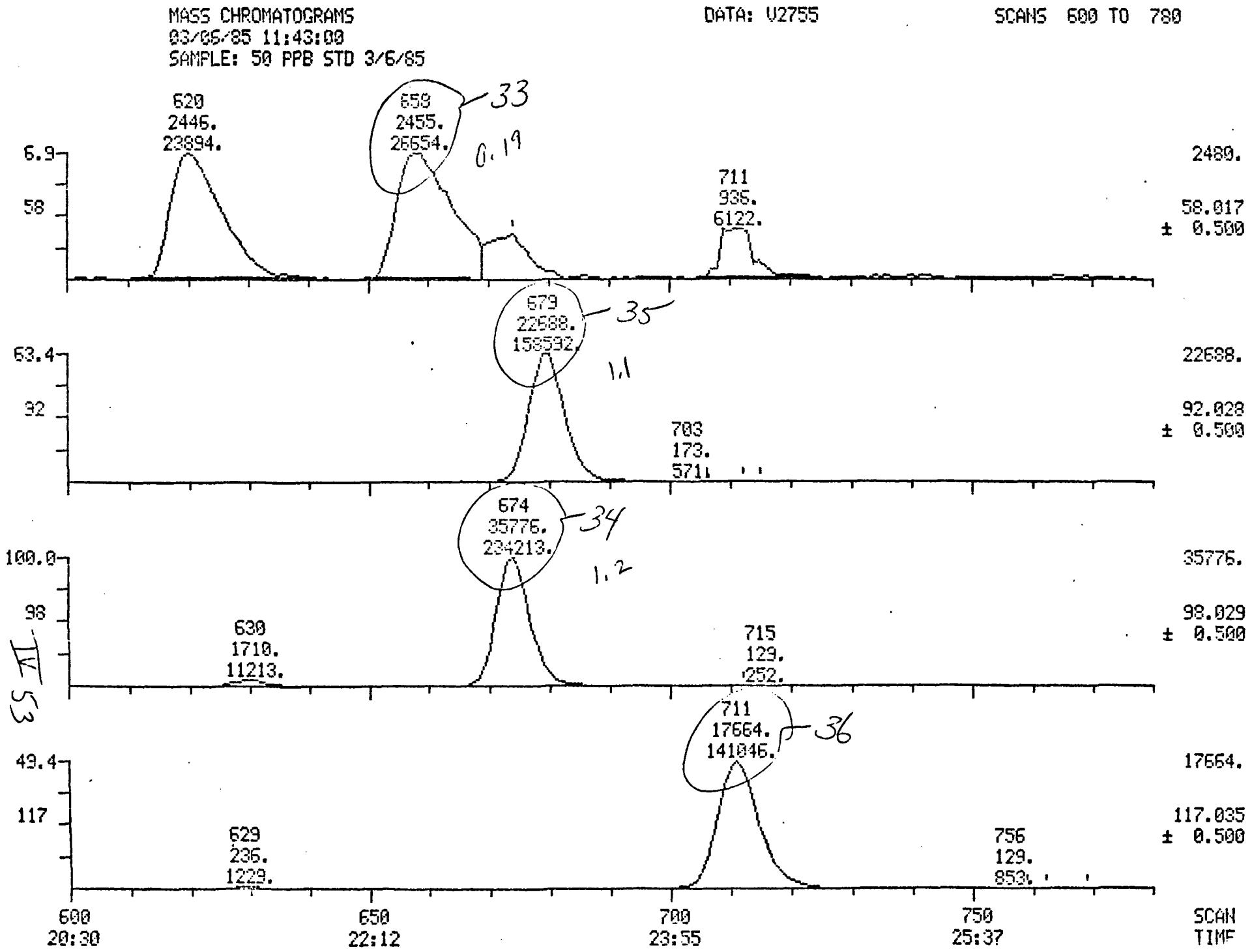

MASS CHROMATOGRAMS
03/06/85 11:43:00
SAMPLE: 50 PPB STD 3/6/85
DATA: V2755
SCANS 380 TO 480
59.2
43
389
426.
1274.
459
14784.
160914.
15
14784.
43.013
± 0.500
79.9
62
412
19936.
157823.
14
4.1
439
1925.
9216.
19936.
62.019
± 0.500
100.0
97
439
24960.
135434.
16
3.5
0.35
470
136.
239.
24960.
97.029
± 0.500
84
10.1
102
409
2512.
18548.
13
0.48
2512.
102.031
± 0.500
380
12:59
400
13:40
420
14:21
440
15:02
460
15:43
480 SCAN
16:24 TIMF

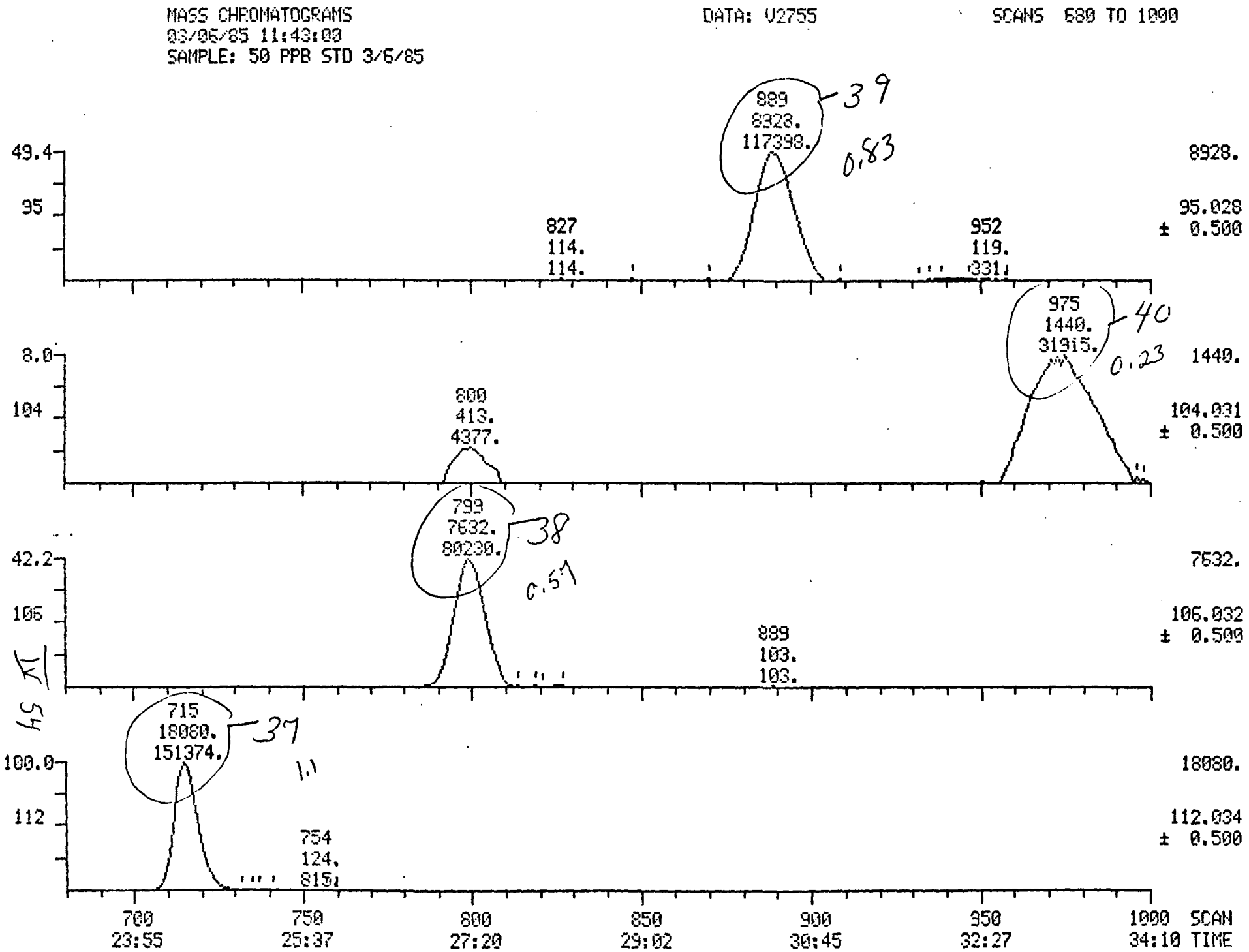

MASS CHROMATOGRAMS
03/06/85 11:43:00
SAMPLE: 50 PPB STD 3/6/85
DATA: V2755
SCANS 350 TO 550
368
24282.
153048.
411
4105.
33263.
440
5301.
33055.
489
19482.
102844.
518
4279.
28742.
80.1
63
24288.
63.019
± 0.500
389
30304.
196137.
452
23387.
149967.
368
2845.
18023.
492
436.
2655.
517
9211.
59341.
100.0
83
30304.
83.025
± 0.500
389
432.
2800.
425
573.
5525.
459
606.
5734.
498
156.
564.
538
120.
229.
2.0
86
606.
86.026
± 0.500
447
12288.
70280.
389
277.
1488.
467
104.
229.
40.5
117
12288.
117.035
± 0.500
350
11:57
400
13:40
450
15:22
500
17:05
550 SCAN
18:47 TIME


MASS CHROMATOGRAMS
03/06/85 11:43:00
SAMPLE: 50 PPB STD 3/6/85
DATA: V2755
SCANS 440 TO 550
492
15040.
96234.
21
0.49
519
9992.
63695.
54.2
75
468
131.
452.
15040.
75.022
± 0.500
452
23407.
150314.
100.0
83
492
436.
2655.
517
9211.
59341.
24
0.30
23424.
83.025
± 0.500
510
11760.
68775.
23
3.5
50.2
129
452
2184.
14167.
535
107.
515
11760.
129.039
± 0.500
498
13408.
70936.
22
0.36
57.2
130
529
76.
488.
13408.
130.039
± 0.500
440
15:02
460
15:43
480
16:24
500
17:05
520
17:46
540
18:27
SCAN
TIME


MASS CHROMATOGRAMS
03/06/85 11:43:00
SAMPLE: 50 PPB STD 3/6/85
DATA: V2755
SCANS 450 TO 650
492
15040.
96234.
519
9992.
53695.
26
0.32
574
3100.
18669.
468
131.
452.
554
150.
326.
618
126.
125.
29.7
75
15040.
75.022
± 0.500
519
50624.
260232.
25
1.3
489
2968.
17402.
561
125.
734.
100.0
78
50624.
78.023
± 0.500
545
694.
5255.
27
0.03
IS II
1.4
106
694.
106.032
± 0.500
574
35136.
197289.
28
491
543.
3504.
520
208.
1124.
607
120.
682.
69.4
114
35136.
114.034
± 0.500
450
15:22
500
17:05
550
18:47
600
20:30
650 SCAN
22:12 TIME


MASS CHROMATOGRAMS
03/06/85 11:43:00
SAMPLE: 50 PPB STD 3/6/85
DATA: V2755
SCANS 500 TO 700
620
9555.
90001.
30
0.64
659
7866.
90861.
545
4100.
29823.
97.4
43
9584.
43.013
± 0.500
517
9216.
59522.
630
9296.
61879.
31
0.44
550
105.
589.
574
552.
3378.
674
131.
371.
94.5
83
9296.
83.025
± 0.500
629
9840.
59230.
32
6.42
100.0
164
9840.
164.049
± 0.500
572
2124.
15059.
29
0.08
510
250.
1128.
21.6
173
2124.
173.052
± 0.500
500
17:05
550
18:47
600
20:30
650
22:12
700 SCAN
23:55 TIME

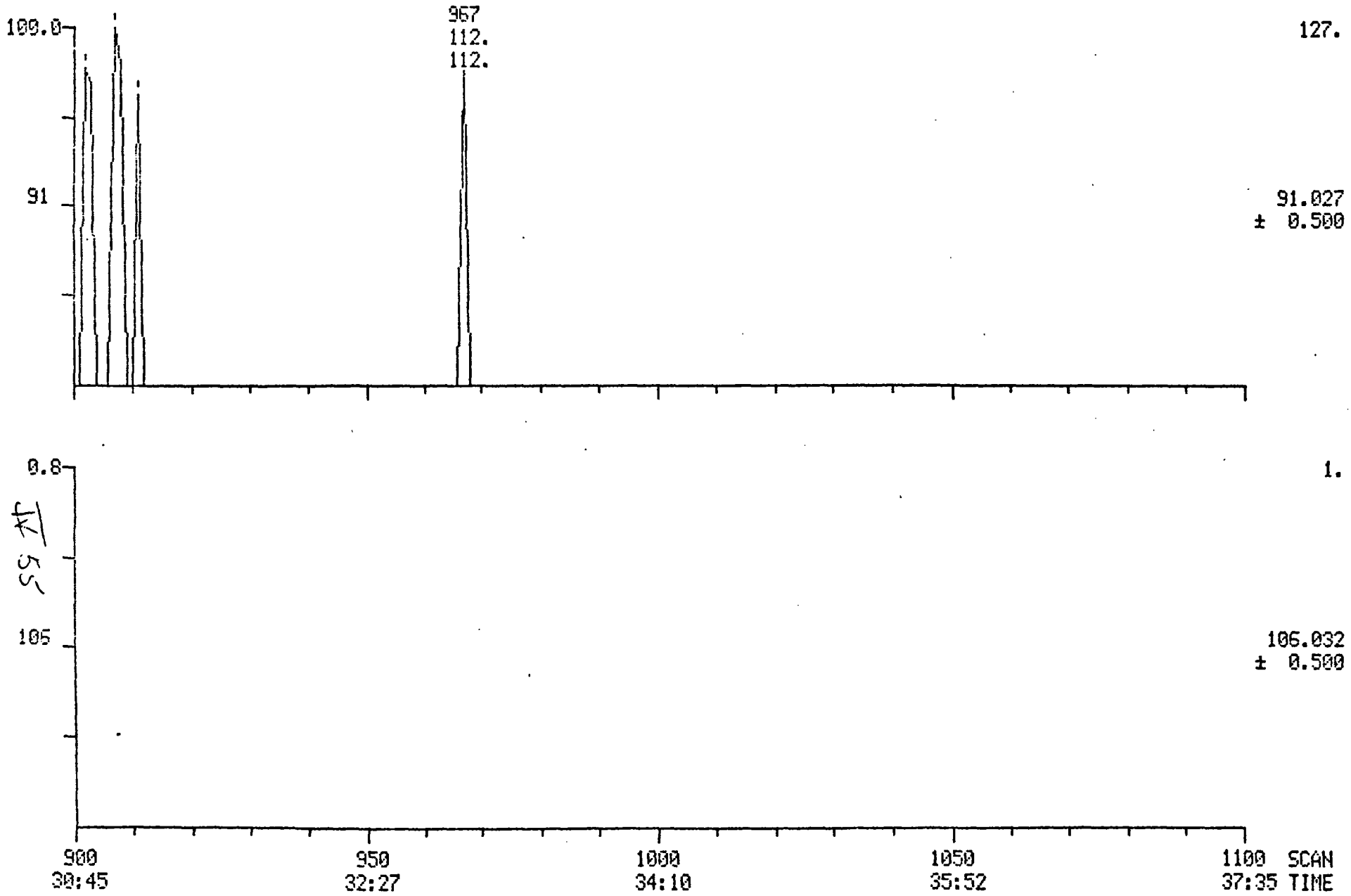

MASS CHROMATOGRAMS
03/05/85 11:43:00
SAMPLE: 50 PPB STD 3/6/85
DATA: V2755
SCANS 600 TO 780
620
2446.
23894.
658
2455.
26654.
33
0.19
711
935.
6122.
6.9
58
2480.
58.017
± 0.500
679
22588.
158592.
35
1.1
703
173.
571
63.4
32
22688.
92.028
± 0.500
674
35776.
234213.
34
1.2
630
1710.
11213.
715
129.
252.
100.0
98
35776.
98.029
± 0.500
IV-53
711
17664.
141046.
36
629
236.
1229.
756
129.
853
49.4
117
17664.
117.035
± 0.500
600
20:30
650
22:12
700
23:55
750
25:37
SCAN
TIME


MASS CHROMATOGRAMS
03/06/85 11:43:00
SAMPLE: 50 PPB STD 3/6/85
DATA: V2755
SCANS 680 TO 1000
889
8928.
117398.
39
0.83
49.4
95
827
114.
114.
952
119.
331.
8928.
95.028
± 0.500
975
1440.
31915.
40
0.23
8.0
104
800
413.
4377.
1440.
104.031
± 0.500
799
7632.
80230.
38
0.57
42.2
106
889
103.
103.
7632.
106.032
± 0.500
715
18080.
151374.
37
1.1
100.0
112
754
124.
815.
18080.
112.034
± 0.500
700
23:55
750
25:37
800
27:20
850
29:02
900
30:45
950
32:27
1000 SCAN
34:10 TIME

MASS CHROMATOGRAMS
03/05/85 11:43:00
SAMPLE: 50 PPB STD 3/6/85

DATA: V2755

SCANS 900 TO 1100



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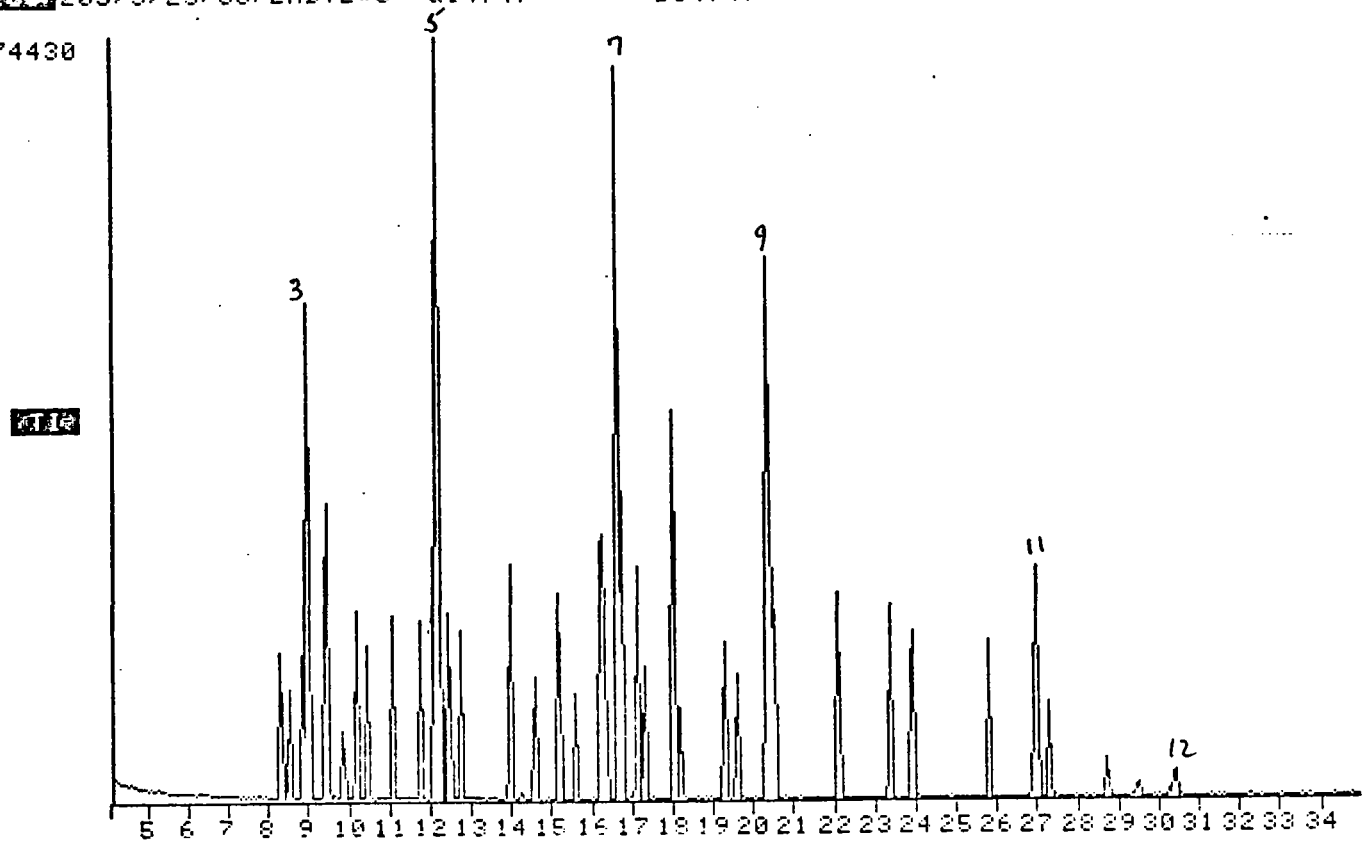
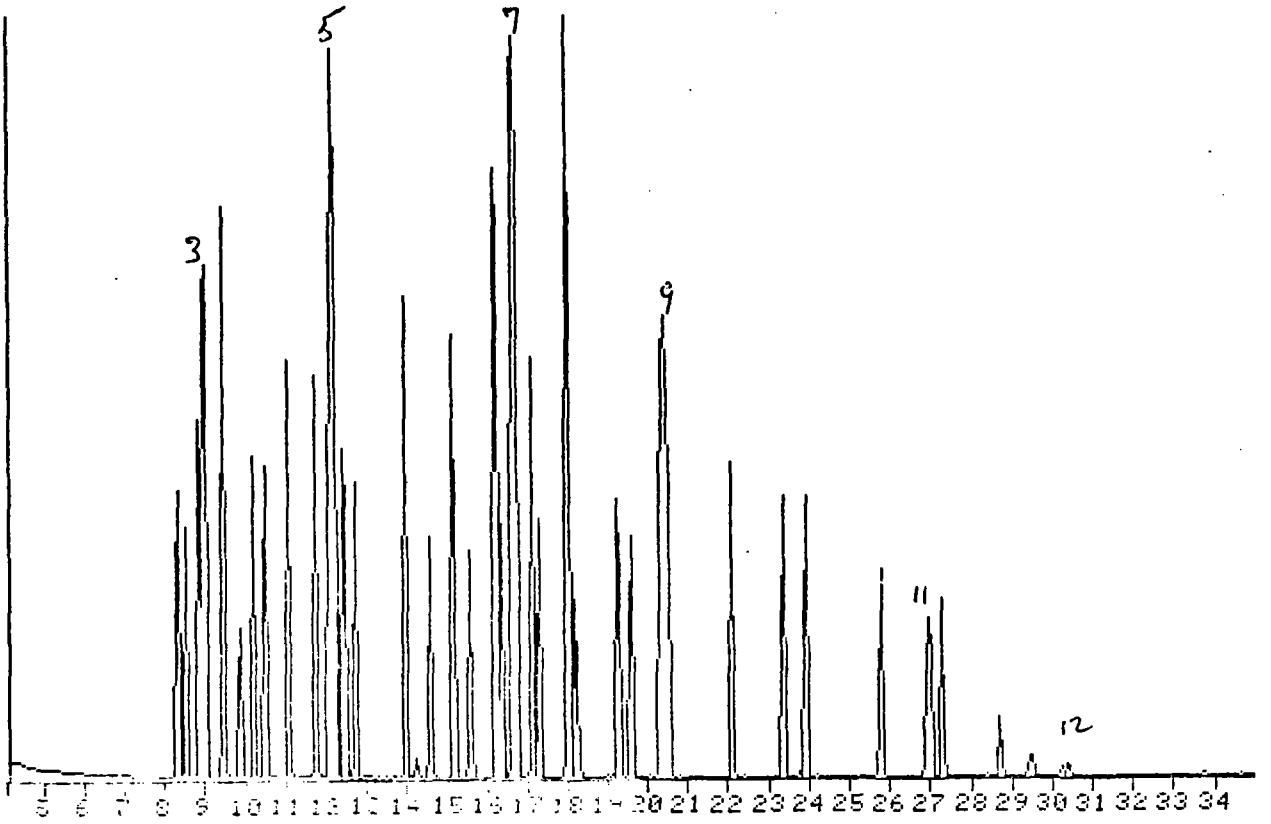


1. 2-FLUROPHENOL(SURR)
2. PHENOL-D6(SURR)
3. 1,4-DICHLOROBENZENE-D4(IS)
4. NITROBENZENE-D5(SURR)
5. NAPHTHALENE-D8(IS)
6. 2-FLUORODIPHENYL (SURR)
7. ACENAPHTHENE-D10(IS)
8. 2,4,6-TRIBROMOPHENOL(SURR)
9. PHENANTHRENE-D10(IS)
10. TERPHENYL-D14(SURR)
11. CHRYSENE-D12(IS)
12. PERYLENE-D12(IS)

IV. 56

NAME 50BN
DATA 3/25/85/EM BTL#7 Q14748 D14748

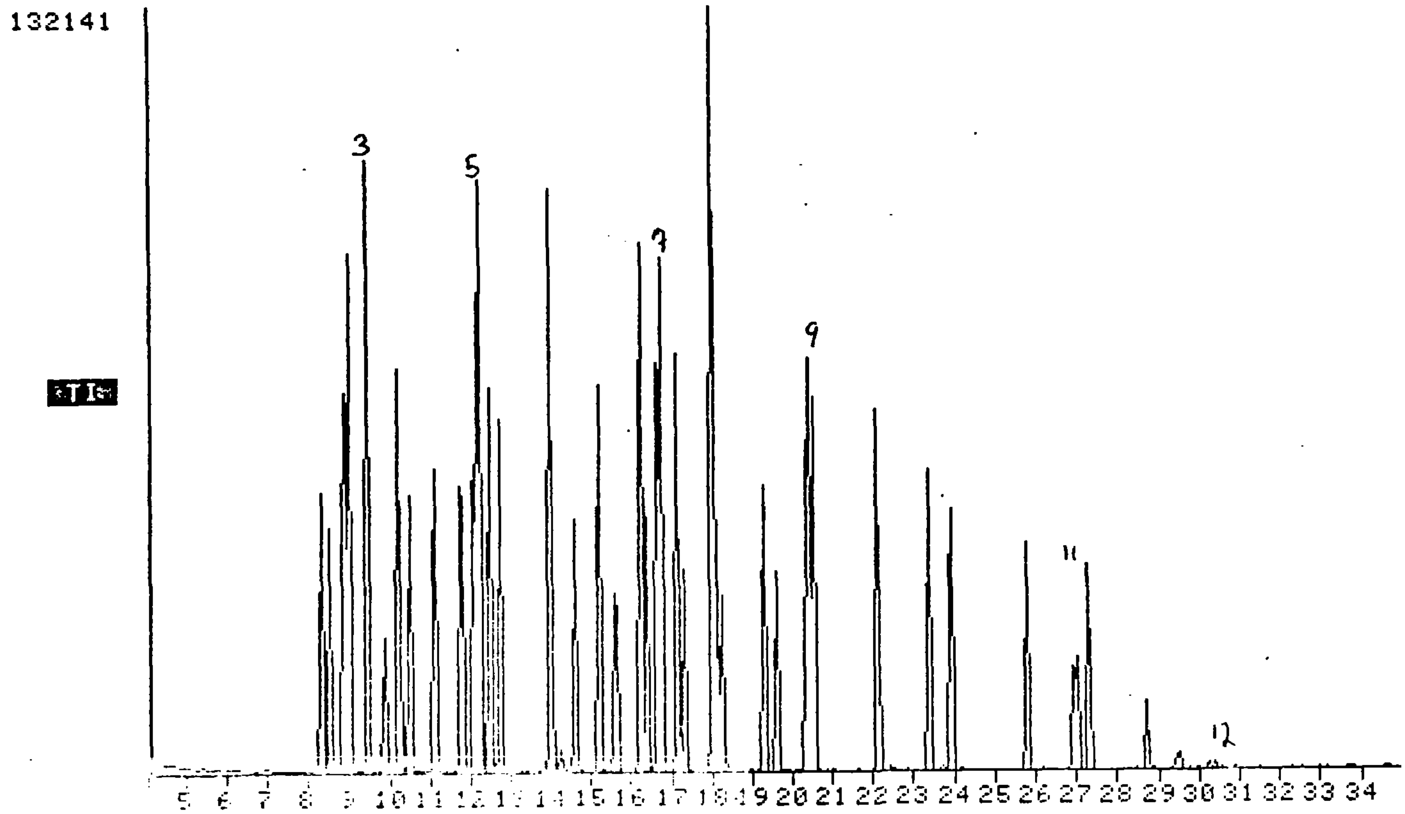
FRN 14748



1. 2-FLUROPHENOL(SURR)
2. PHENOL-D6(SURR)
3. 1,4-DICHLOROBENZENE-D4(IS)
4. NITROBENZENE-D5(SURR)
5. NAPHTHALENE-D8(IS)
6. 2-FLUOROBIPHENYL (SURR)
7. ACENAPHTHENE-D10(IS)
8. 2,4,6-TRIBROMOPHENOL(SURR)
9. PHENANTHRENE-D10(IS)
10. TERPHENYL-D14(SURR)
11. CHRYSENE-D12(IS)
12. PERYLENE-D12(IS)

IV 57

#NAME: 80BN   #FRN 14749
#MISC: 3/25/85/EM   BTL#8   Q14749   D14749



1. 2-FLUROPHENOL(SURR
2. PHENOL-D6(SURR)
3. 1,4-DICHLOROBENZENE-D4(IS)
4. NITROBENZENE-D5(SURR)
5. NAPHTHALENE-D8(IS)
6. 2-FLUOROBIPHENYL (SURR)
7. ACENAPHTHENE-D10(IS)
8. 2,4,6-TRIBROMOPHENOL(SURR)
9. PHENANTHRENE-D10(IS)
10. TERPHENYL-D14(SURR)
11. CHRYSENE-D12(IS)
12. PERYLENE-D12(IS)

IV 58

FILE NUMBER 14749

80BN

3/25/85/EM BTL#8 Q14749 D14749

AREA	R. TIME	START	STOP	MAXIMA	# SUMS	MASS	BASE
9.0	150.0	1.000	40.0000	D4-1,4-DICHLOROBENZENE(20)			
9.9	74.0	.046	.0000	N-NITROSODIMETHYLAMINE			
8.4	93.0	.913	80.0000	ANILINE			
8.5	93.0	.709	80.0000	BIS(2-CHLOROETHYL)ETHER			
8.9	146.0	.591	80.0000	1,3-DICHLOROBENZENE			
9.0	146.0	.594	80.0000	1,4-DICHLOROBENZENE			
9.5	108.0	.395	80.0000	BENZYL ALCOHOL			
9.5	146.0	.594	80.0000	1,2-DICHLOROBENZENE			
9.9	45.0	.527	80.0000	BIS(2-CHLOROISOPROPYL)ETHER			
10.2	70.0	.490	80.0000	N-NITROSODINPROPYLAMINE			
10.2	117.0	.291	80.0000	HEXACHLOROETHANE			
10.5	77.0	.716	80.0000	NITROBENZENE			
12.2	68.0	1.000	40.0000	D8-NAPHTHALENE(20)			
11.1	138.0	1.519	80.0000	ISOPHORONE			
11.8	95.0	1.813	80.0000	BIS(2-CHLOROETHOXY)METHANE			
12.1	180.0	2.642	80.0000	1,2,4-TRICHLOROBENZENE			
12.2	129.0	1.325	80.0000	NAPHTHALENE			
12.5	127.0	4.577	80.0000	4-CHLOROANILINE			
12.7	225.0	1.190	80.0000	HEXACHLOROBUTADIENE			
14.0	115.0	2.578	80.0000	2-METHYLNAPHTHALENE			
16.7	164.0	1.000	40.0000	D10-ACENAPHTHENE			
14.6	237.0	.205	80.0000	HEXACHLOROCYCLOPENTADIENE			
15.2	164.0	.281	80.0000	2-CHLORONAPTHALENE			
15.6	138.0	.397	80.0000	2-NITROANILINE			
16.2	164.0	.083	80.0000	DIMETHYL PHTHALATE			
16.3	151.0	.272	80.0000	ACENAPHTHYLENE			
16.4	165.0	.228	80.0000	2,6-DINITROTOLUENE			
16.7	138.0	.293	80.0000	3-NITROANILINE			
16.8	152.0	.437	80.0000	ACENAPHTHENE			
17.2	139.0	.490	80.0000	DIBENZOFURAN			
17.3	165.0	.320	80.0000	2,4-DINITROTOLUENE			
18.0	177.0	.171	80.0000	DIETHYL PHTHALATE			
18.0	165.0	.820	80.0000	FLUORENE			
18.1	204.0	.358	80.0000	4-CHLOROPHENYLPHENYL ETHER			
18.2	138.0	.292	80.0000	4-NITROANILINE			
17.2	169.0	.144	80.0000	DIPHENYLAMINE			

IV 59

FILE NUMBER 14749

80BN

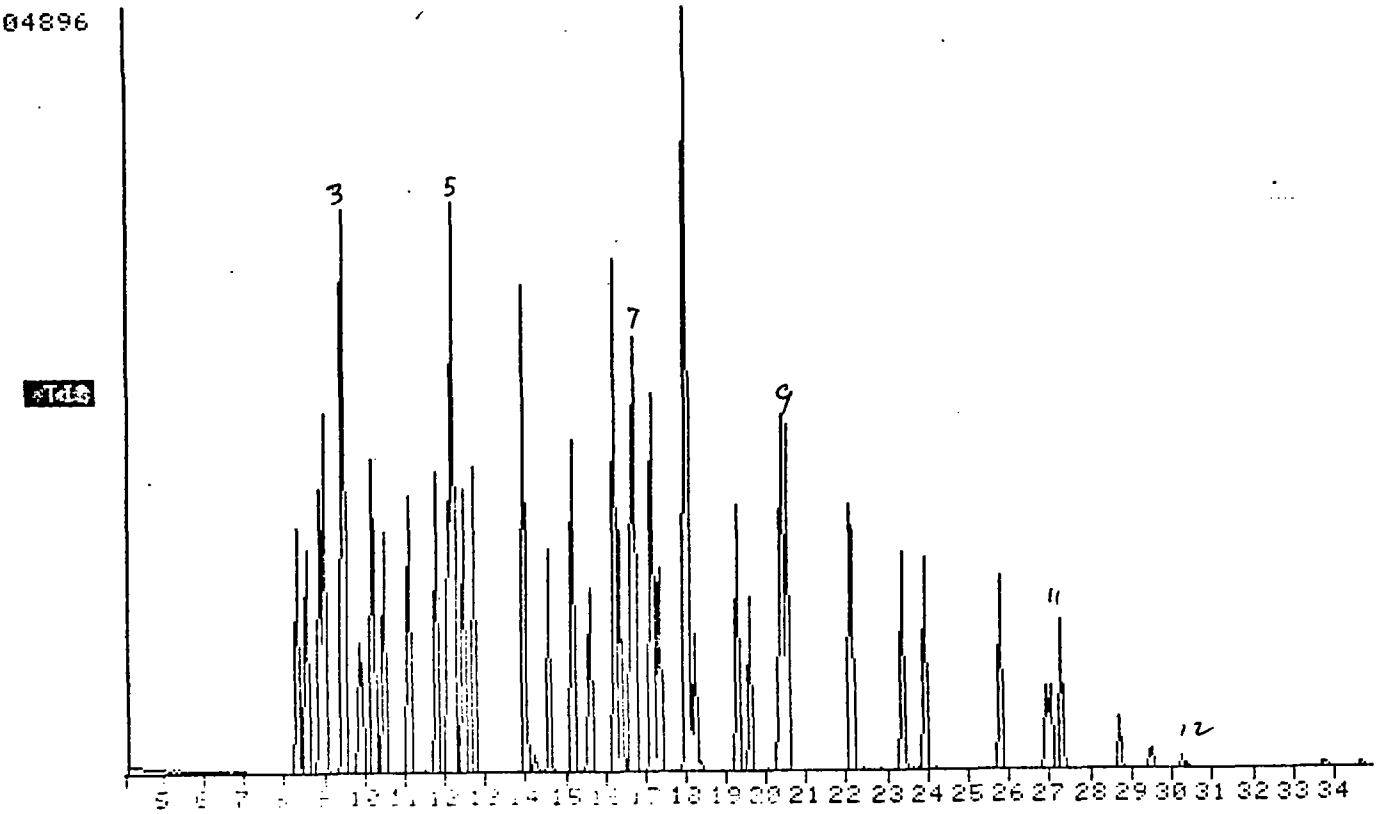
3/25/85/EM BTL#8 Q14749 D14749

AREA	R. TIME	START	STOP	MAXIMA	# SUMS	MASS	BASE
20.3	188.0	1.000	40.0000	D10-PHENANTHRENE(20)			
19.3	248.0	.112	80.0000	4-BROMOPHENYLPHENYL ETHER			
19.6	284.0	.112	80.0000	HEXACHLOROBENZENE			
20.4	179.0	.060	160.0000	PHENANTHRENE/ANTHRACENE			
22.1	150.0	.100	80.0000	DIBUTYL PHTHALATE			
23.4	202.0	.665	80.0000	FLUORANTHENE			
27.0	240.0	1.000	40.0000	D12-CHRYSENE			
23.9	202.0	2.264	80.0000	PYRENE			
25.8	149.0	1.136	80.0000	BUTYL BENZYL PHTHALATE			
26.9	228.0	.427	160.0000	BENZO(A)ANTHRACENE/CHRYSENE			
27.3	149.0	1.128	80.0000	BIS(2-ETHYLHEXYL)PHTHALATE			

MORE ?

30.4	264.0	1.000	40.0000	D12-PERYLENE			
28.7	149.0	5.974	80.0000	DIOCTYL PHTHALATE			
29.5	252.0	1.307	160.0000	BENZO(B)/(K)FLUORANTHENE			
30.2	252.0	.744	80.0000	BENZO(A)PYRENE			
33.7	276.0	.485	80.0000	INDENO(123-CD)PYRENE			
33.8	278.0	.346	80.0000	DIBENZO(AH)ANTHRACENE			
34.6	276.0	.360	80.0000	BENZO(GHI)PERYLENE			

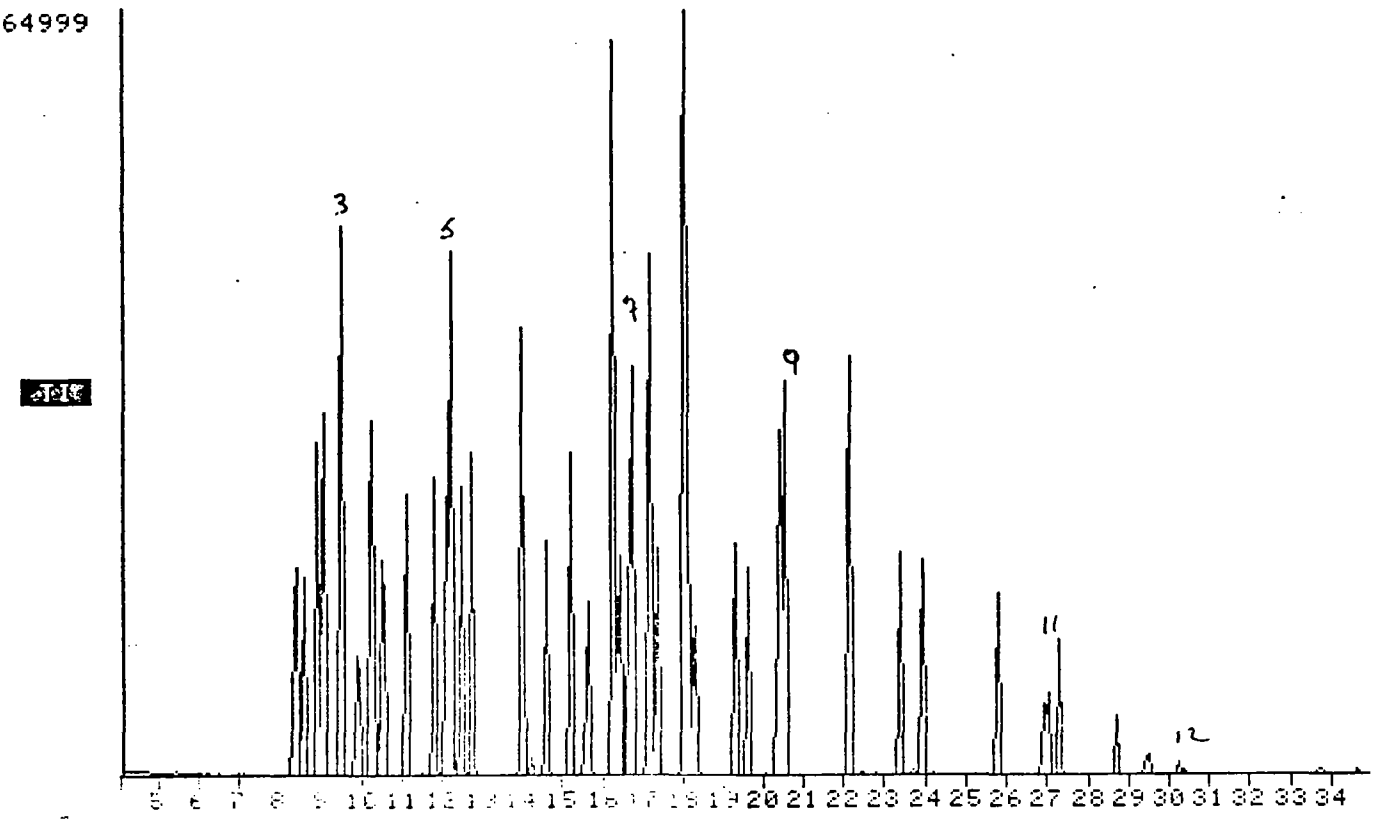
IV 60



1. 2-FLUOROPHENOL(SURR)
2. PHENOL-D6(SURR)
3. 1,4-DICHLOROBENZENE-D4(IS)
4. NITROBENZENE-D5(SURR)
5. NAPHTHALENE-D8(IS)
6. 2-FLUORODIPHENYL (SURR)
7. ACENAPHTHENE-D10(IS)
8. 2,4,6-TRIBROMOPHENOL(SURR)
9. PHENANTHRENE-D10(IS)
10. TERPHENYL-D14(SURR)
11. CHRYSENE-D12(IS)
12. PERYLENE-D12(IS)

IV 61

3/25/85/EM BTL#10 Q14751 D14751

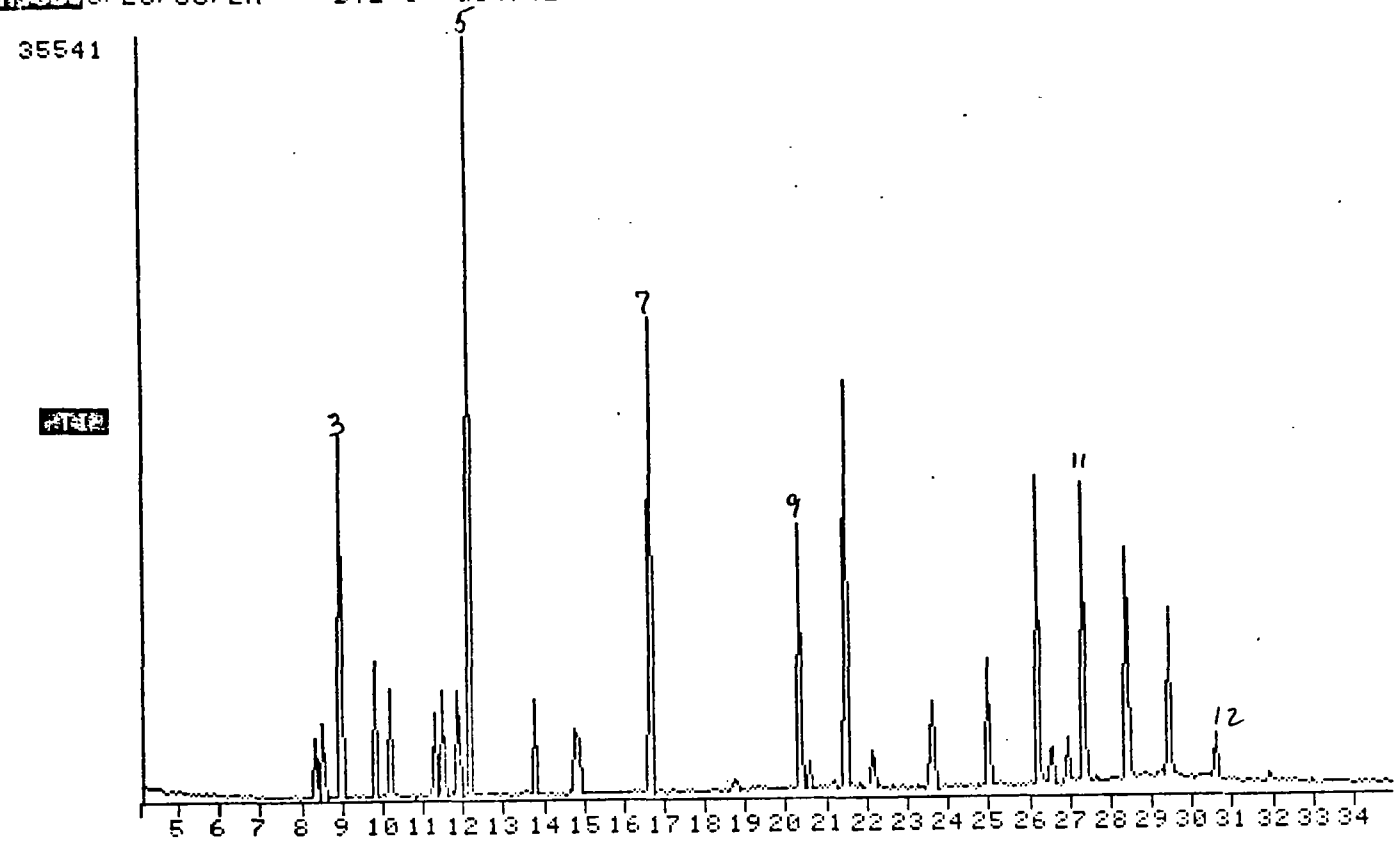


1. 2-FLUOROPHENOL(SURR)
2. PHENOL-D6(SURR)
3. 1,4-DICHLOROBENZENE-D4(IS)
4. NITROBENZENE-D5(SURR)
5. NAPHTHALENE-D8(IS)
6. 2-FLUOROBIPHENYL (SURR)
7. ACENAPHTHENE-D10(IS)
8. 2,4,6-TRIBROMOPHENOL (SURR)
9. PHENANTHRENE-D10(IS)
10. TERPHENYL-D14(SURR)
11. CHRYSENE-D12(IS)
12. PERYLENE-D12(IS)

IV 62

[illegible]30A
[illegible]3/25/85/EM BTL#1 Q14742 D14742

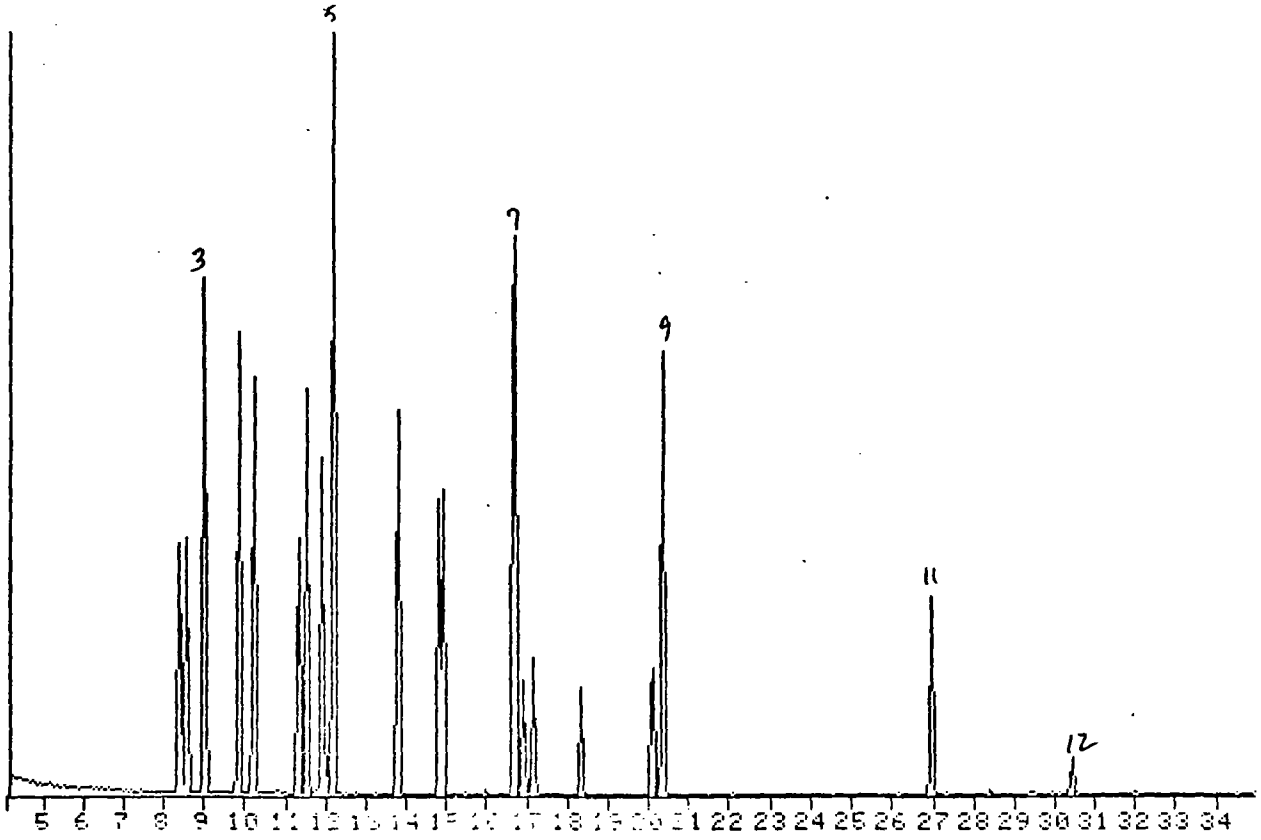
[illegible] 14742



1. 2-FLUROPHENOL(SURR)
2. PHENOL-D6(SURR)
3. 1,4-DICHLOROBENZENE-D4(IS)
4. NITROBENZENE-D5(SURR)
5. NAPHTHALENE-D8(IS)
6. 2-FLUOROBIPHENYL (SURR)
7. ACENAPHTHENE-D10(IS)
8. 2,4,6-TRIBROMOPHENOL(SURR)
9. PHENANTHRENE-D10(IS)
10. TERPHENYL-D14(SURR)
11. CHRYSENE-D12(IS)
12. PERYLENE-D12(IS)

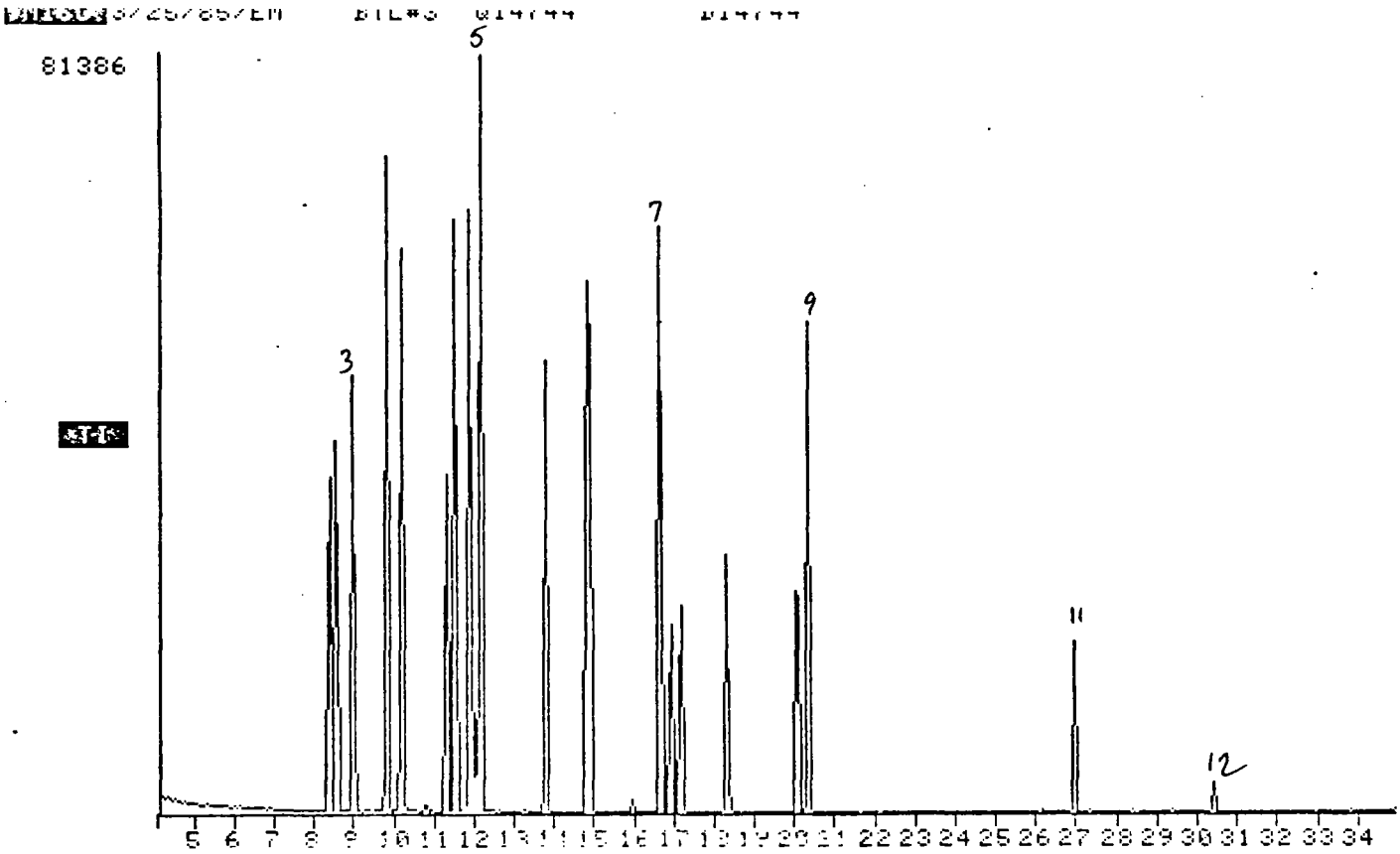
IV 63

75240



1. 2-FLUOROPHENOL(SURR)
2. PHENOL-D6(SURR)
3. 1,4-DICHLOROBENZENE-D4(IS)
4. NITROBENZENE-D5(SURR)
5. NAPHTHALENE-D8(IS)
6. 2-FLUOROBIPHENYL (SURR)
7. ACENAPHTHENE-D10(IS)
8. 2,4,6-TRIBROMOPHENOL(SURR)
9. PHENANTHRENE-D10(IS)
10. TERPHENYL-D14(SURR)
11. CHRYSENE-D12(IS)
12. PERYLENE-D12(IS)

IV 64



1. 2-FLUROPHENOL(SURR)
2. PHENOL-D6(SURR)
3. 1,4-DICHLOROBENZENE-D4(IS)
4. NITROBENZENE-D5(SURR)
5. NAPHTHALENE-D8(IS)
6. 2-FLUOROBIPHENYL (SURR)
7. ACENAPHTHENE-D10(IS)
8. 2,4,6-TRIBROMOPHENOL(SURR)
9. PHENANTHRENE-D10(IS)
10. TERPHENYL-D14(SURR)
11. CHRYSENE-D12(IS)
12. PERYLENE-D12(IS)

IV 65

FILE NUMBER 14744

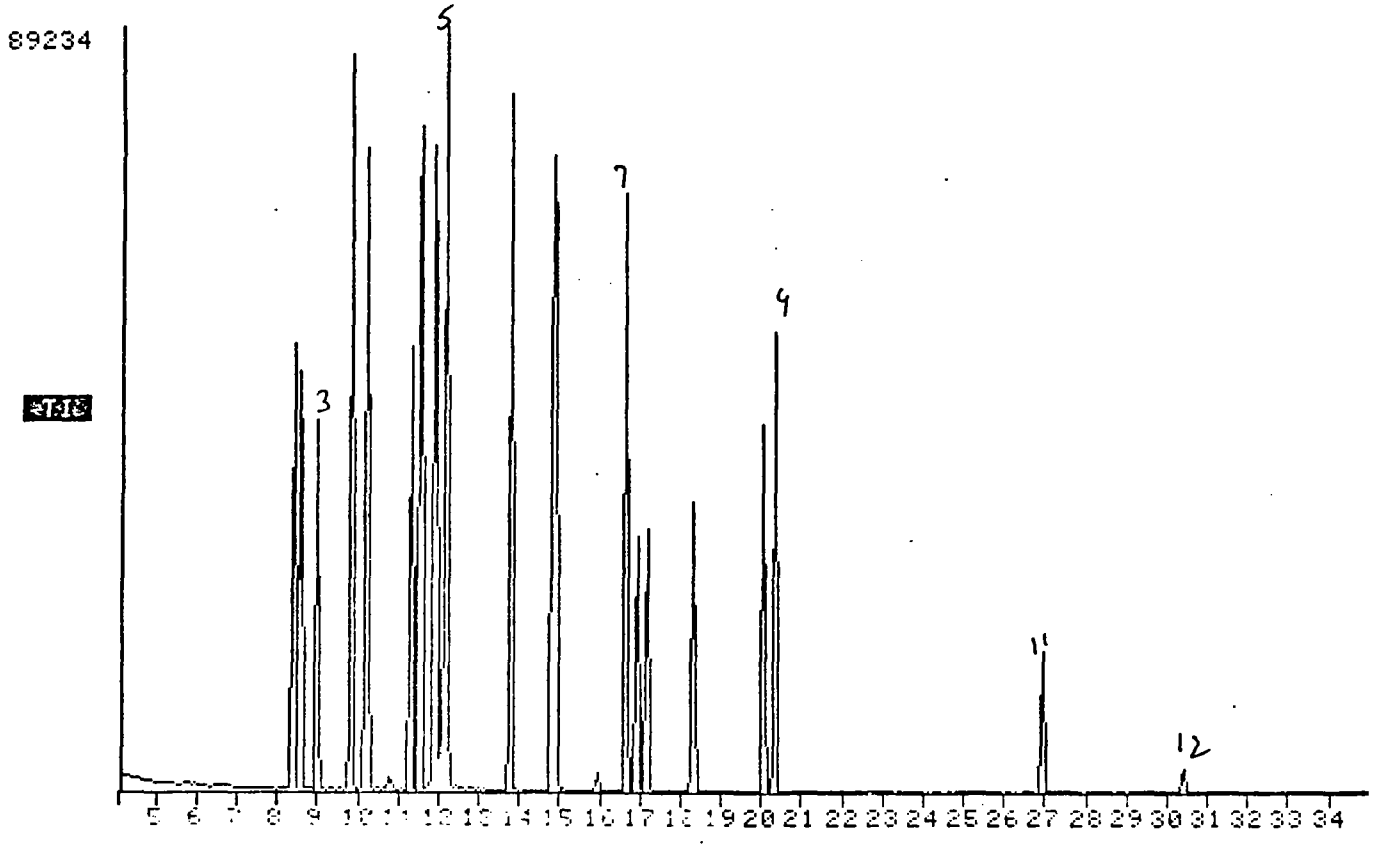
80A

3/25/85/EM BTL#3 Q14744 D14744

AREA	R. TIME	START	STOP	MAXIMA	# SUMS	MASS	BASE
9.0	150.0	1.000	40.0000	D4-1,4-DICHLOROBENZENE(20)			
8.4	94.0	.841	80.0000	PHENOL			
8.6	128.0	.611	80.0000	2-CHLOROPHENOL			
9.9	108.0	.671	80.0000	2-METHYLPHENOL			
10.2	108.0	.699	80.0000	4-METHYLPHENOL			
12.2	68.0	1.000	40.0000	D8-NAPHTHALENE(20)			
11.3	139.0	1.759	80.0000	2-NITROPHENOL			
11.5	122.0	2.581	80.0000	2,4-DIMETHYLPHENOL			
12.1	122.0	1.200	80.0000	BENZOIC ACID			
11.9	162.0	2.051	80.0000	2,4-DICHLOROPHENOL			
13.8	142.0	2.196	80.0000	4-CHLORO-M-CRESOL			
16.7	164.0	1.000	40.0000	D10-ACENAPHTHENE(20)			
14.8	196.0	.237	80.0000	2,4,5-TRICHLOROPHENOL			
14.8	196.0	.237	80.0000	2,4,6-TRICHLOROPHENOL			
17.0	184.0	.111	80.0000	2,4-DINITROPHENOL			
18.3	198.0	.126	80.0000	4,6-DINITRO-O-CRESOL			
17.2	65.0	.231	80.0000	4-NITROPHENOL			
20.4	188.0	1.000	40.0000	D10-PHENANTHRENE			
20.1	266.0	.072	80.0000	PENTACHLOROPHENOL			

IV 66

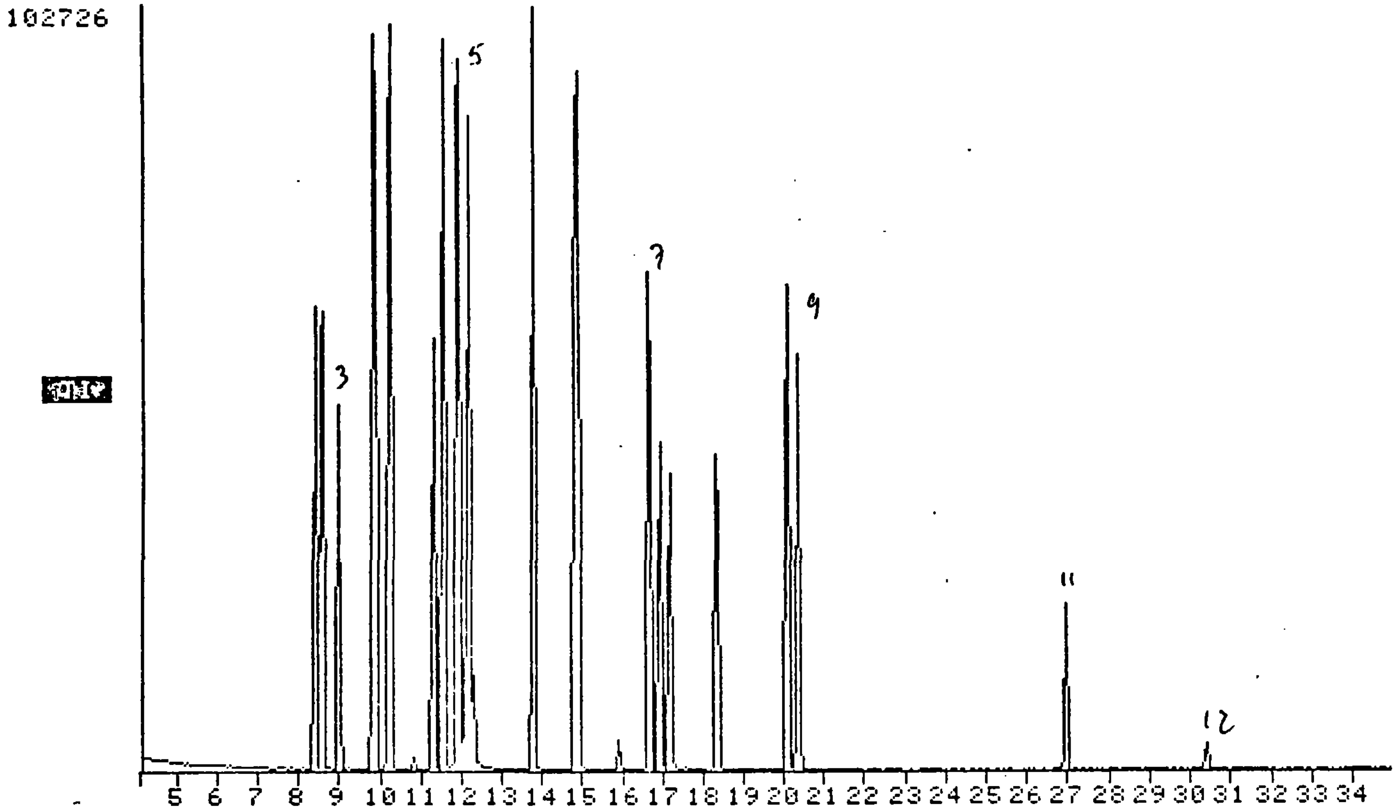
3/25/85/EM BTL#4 Q14745 D14745



1. 2-FLUROPHENOL(SURR)
2. PHENOL-D6(SURR)
3. 1,4-DICHLOROBENZENE-D4(IS)
4. NITROBENZENE-D5(SURR)
5. NAPHTHALENE-D8(IS)
6. 2-FLUOROBIPHENYL (SURR)
7. ACENAPHTHENE-D10(IS)
8. 2,4,6-TRIBROMOPHENOL(SURR)
9. PHENANTHRENE-D10(IS)
10. TERPHENYL-D14(SURR)
11. CHRYSENE-D12(IS)
12. PERYLENE-D12(IS)

IV 67

3160A 14746
3/25/85/EM BTL#5 Q14746 D14746

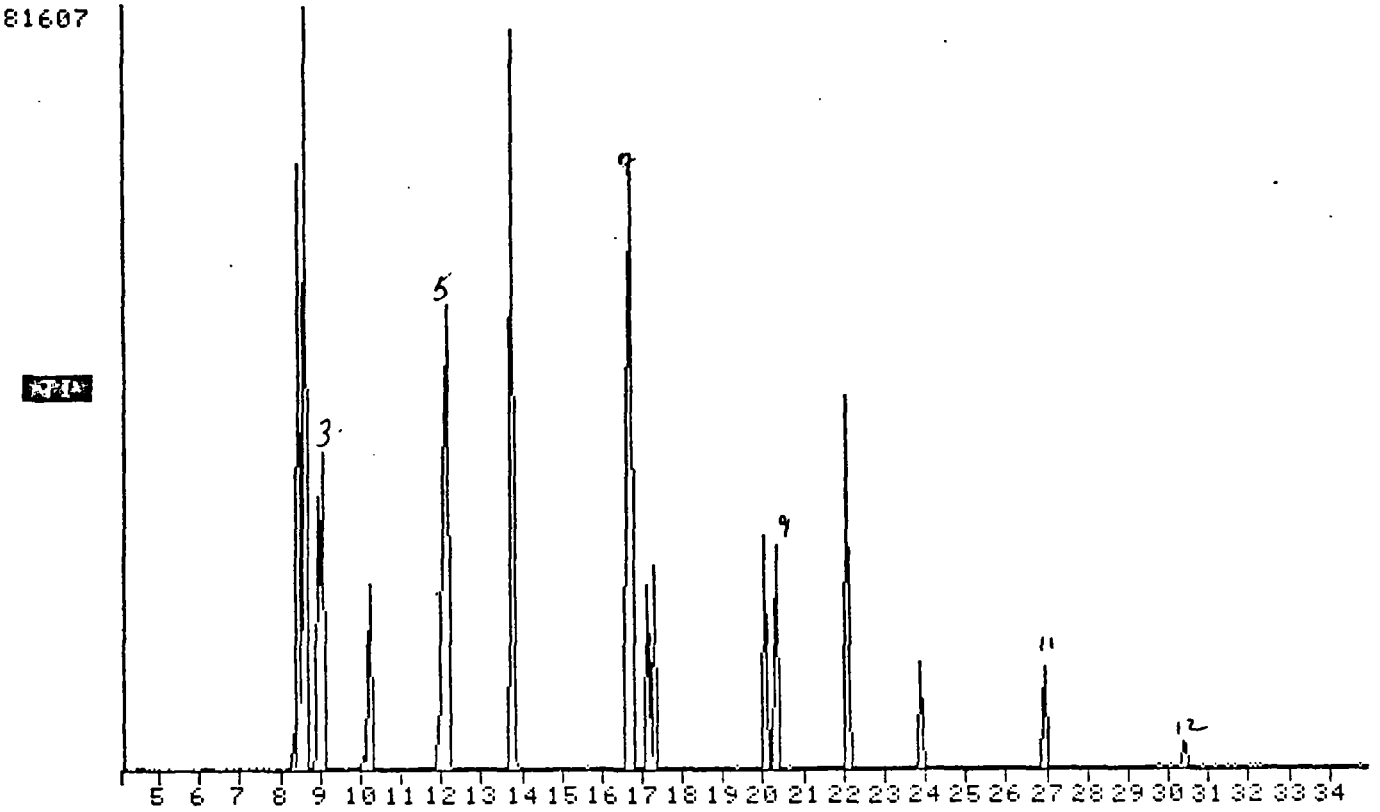


1. 2-FLUROPHENOL(SURR)
2. PHENOL-D6(SURR)
3. 1,4-DICHLOROBENZENE-D4(IS)
4. NITROBENZENE-D5(SURR)
5. NAPHTHALENE-D8(IS)
6. 2-FLUOROBIPHENYL (SURR)
7. ACENAPHTHENE-D10(IS)
8. 2,4,6-TRIBROMOPHENOL(SURR)
9. PHENANTHRENE-D10(IS)
10. TERPHENYL-D14(SURR)
11. CHRYSENE-D12(IS)
12. PERYLENE-D12(IS)

IV 68

NAME LS-3
ANALYSIS 3/25/85/EM BTL#13 Q14754 D14754

FRN 14754



1. 2-FLUROPHENOL(SURR)
2. PHENOL-D6(SURR)
3. 1,4-DICHLOROBENZENE-D4(IS)
4. NITROBENZENE-D5(SURR)
5. NAPHTHALENE-D8(IS)
6. 2-FLUOROBIPHENYL (SURR)
7. ACENAPHTHENE-D10(IS)
8. 2,4,6-TRIBROMOPHENOL(SURR)
9. PHENANTHRENE-D10(IS)
10. TERPHENYL-D14(SURR)
11. CHRYSENE-D12(IS)
12. PERYLENE-D12(IS)

IV 69

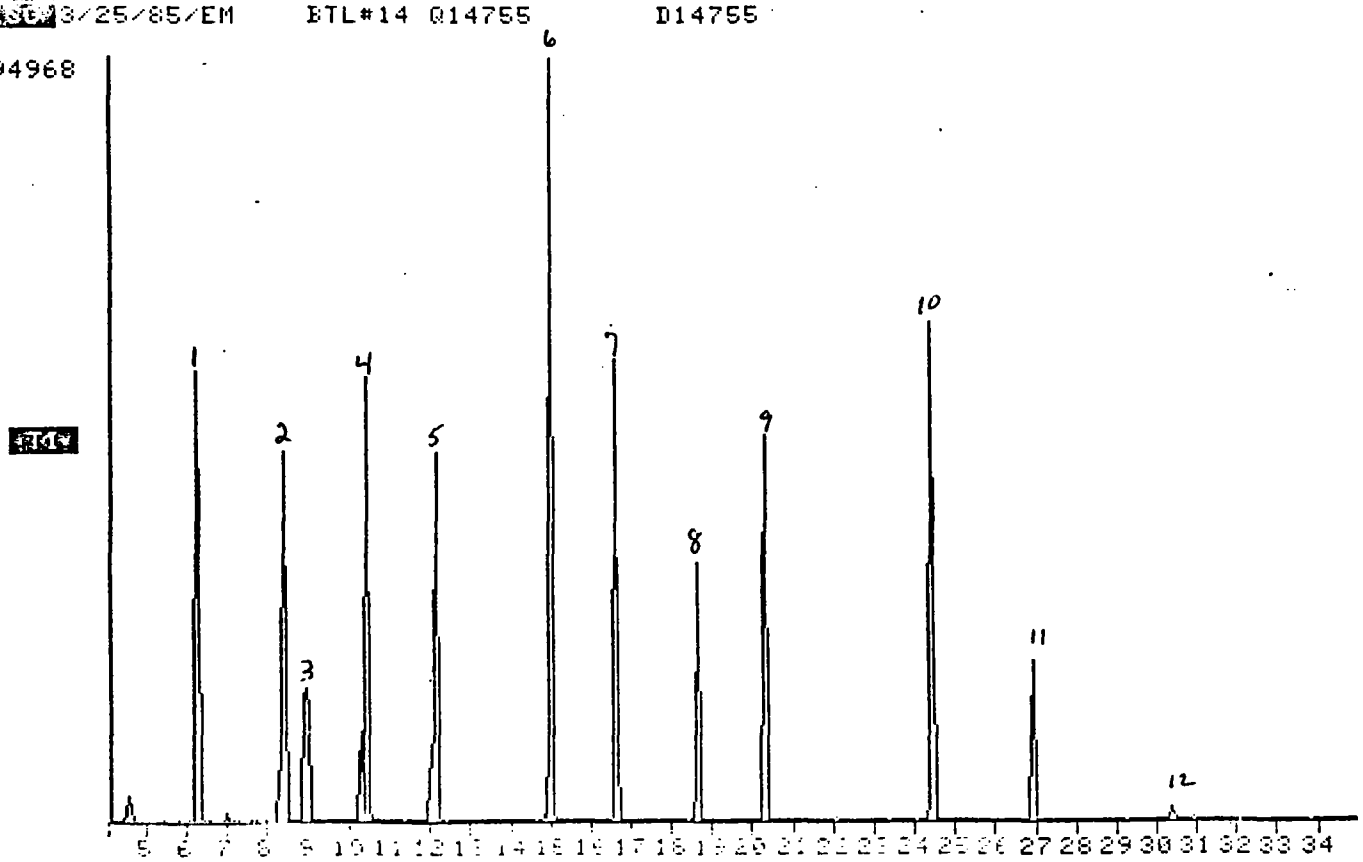
LS-3

3/25/85/EM BTL#13 014754 D14754

AREA	R. TIME	START	STOP	MAXIMA	# SUMS	MASS	BASE
9.0	150.0	1.000	40.0000	D4-1,4-DICHLOROBENZENE(MS)			
9.0	146.0	1.208	50.0000	1,4-DICHLOROBENZENE			
10.2	70.0	1.806	50.0000	N-NITROSODINPROPYLAMINE			
8.5	94.0	2.431	100.0000	PHENOL			
8.6	128.0	1.819	100.0000	2-CHLOROPHENOL			
12.2	136.0	1.000	40.0000	D8-NAPHTHALENE(MS)			
12.1	180.0	.257	50.0000	1,2,4-TRICHLOROBENZENE			
13.8	107.0	.405	100.0000	4-CHLORO-M-CRESOL			
16.7	164.0	1.000	40.0000	D10-ACENAPHTHENE(MS)			
16.7	153.0	1.742	50.0000	ACENAPHTHENE %R			
17.3	89.0	.433	50.0000	2,4-DINITROTOLUENE %R			
17.2	139.0	.251	100.0000	4-NITROPHENOL %R			
20.3	188.0	1.000	40.0000	D10-PHENANTHRENE(MS)			
20.1	266.0	.116	100.0000	PENTACHLOROPHENOL			
22.1	149.0	2.259	50.0000	DIBUTYL PHTHALATE			
23.9	202.0	.507	50.0000	PYRENE(VS ALT. IS)			

IV 70

3/25/85/EM BTL#14 Q14755 D14755



1. 2-FLUROPHENOL(SURR)
2. PHENOL-D6(SURR)
3. 1,4-DICHLOROBENZENE-D4(IS)
4. NITROBENZENE-D5(SURR)
5. NAPHTHALENE-D8(IS)
6. 2-FLUORODIPHENYL (SURR)
7. ACENAPHTHENE-D10(IS)
8. 2,4,6-TRIBROMOPHENOL(SURR)
9. PHENANTHRENE-D10(IS)
10. TERPHENYL-D14(SURR)
11. CHRYSENE-D12(IS)
12. PERYLENE-D12(IS)

JV 7/1

FILE NUMBER 14755

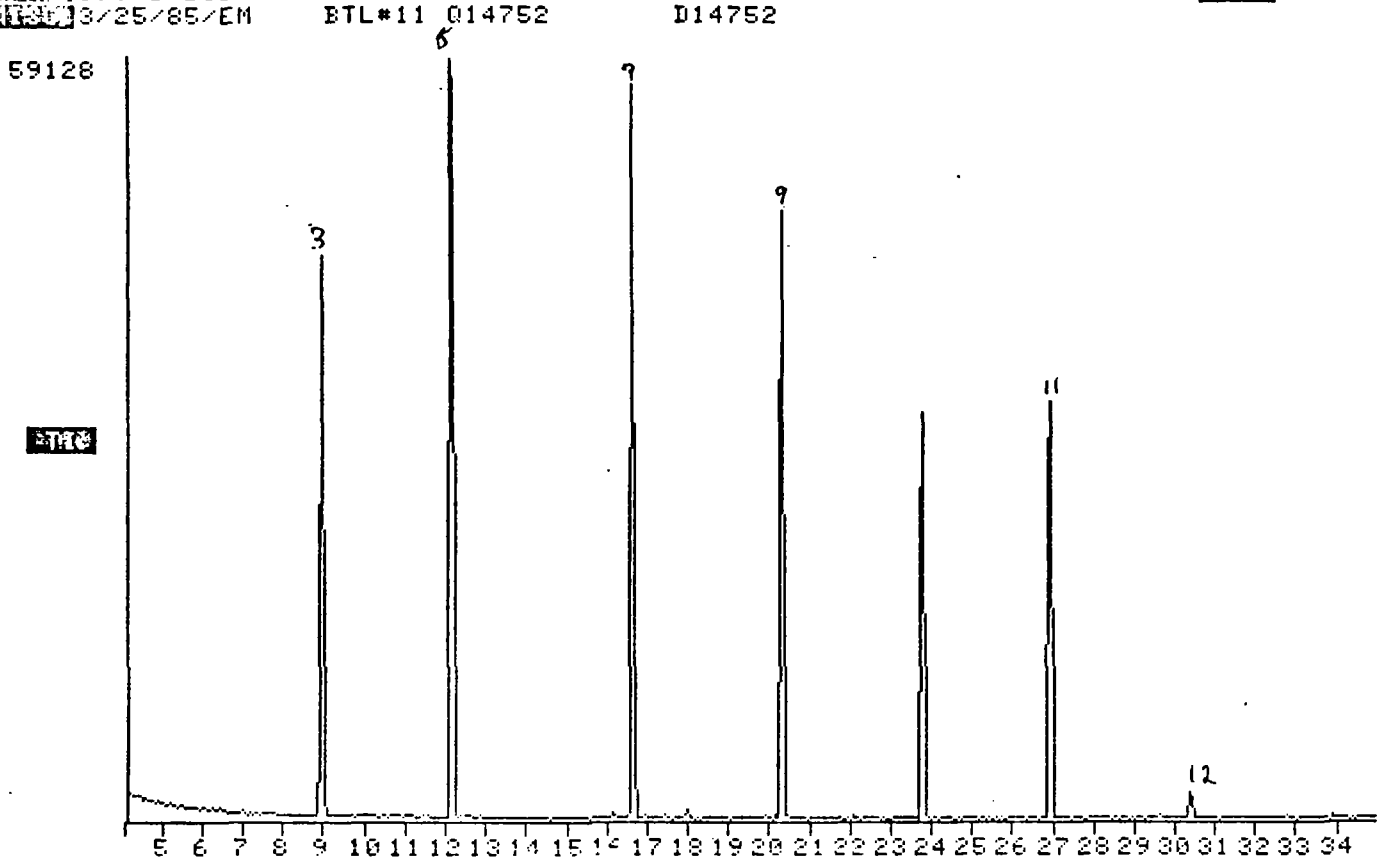
SS-9

3/25/85/EM BTL#14 Q14755 D14755

AREA	R. TIME	START	STOP	MAXIMA	# SUMS	MASS	BASE
8.9	150.0	1.000	40.0000	D4-1,4-DICHLOROBENZENE			
8.4	99.0	1.343	100.0000	D6-PHENOL			
6.3	112.0	1.043	100.0000	2-FLUROPHENOL%R			
16.7	164.0	1.000	40.0000	D10-ACENAPHTHENE			
10.5	128.0	.310	100.0000	D5 NITROBENZENE			
16.7	164.0	1.000	40.0000	D10-ACENAPHTHENE			
15.0	172.0	.996	100.0000	2-FLUOROBIPHENYL			
20.3	188.0	1.000	40.0000	D10-PHENANTHRENE			
18.7	330.0	.053	100.0000	TRIBROMOPHENOL %R			
27.0	240.0	1.000	40.0000	D-12 CHRYSENE			
24.5	244.0	1.182	100.0000	D14-TERPHENYL %R			

IV 72

DNAME 100 B/DCLB
DATA 3/25/85/EM BTL#11 Q14752 D14752
RFRN 14752



1. 2-FLUOROPHENOL(SURR)
2. PHENOL-D6(SURR)
3. 1,4-DICHLOROBENZENE-D4(IS)
4. NITROBENZENE-D5(SURR)
5. NAPHTHALENE-D8(IS)
6. 2-FLUOROBIPHENYL (SURR)
7. ACENAPHTHENE-D10(IS)
8. 2,4,6-TRIBROMOPHENOL(SURR)
9. PHENANTHRENE-D10(IS)
10. TERPHENYL-D14(SURR)
11. CHRYSENE-D12(IS)
12. PERYLENE-D12(IS)

IV 73

FILE NUMBER 14752

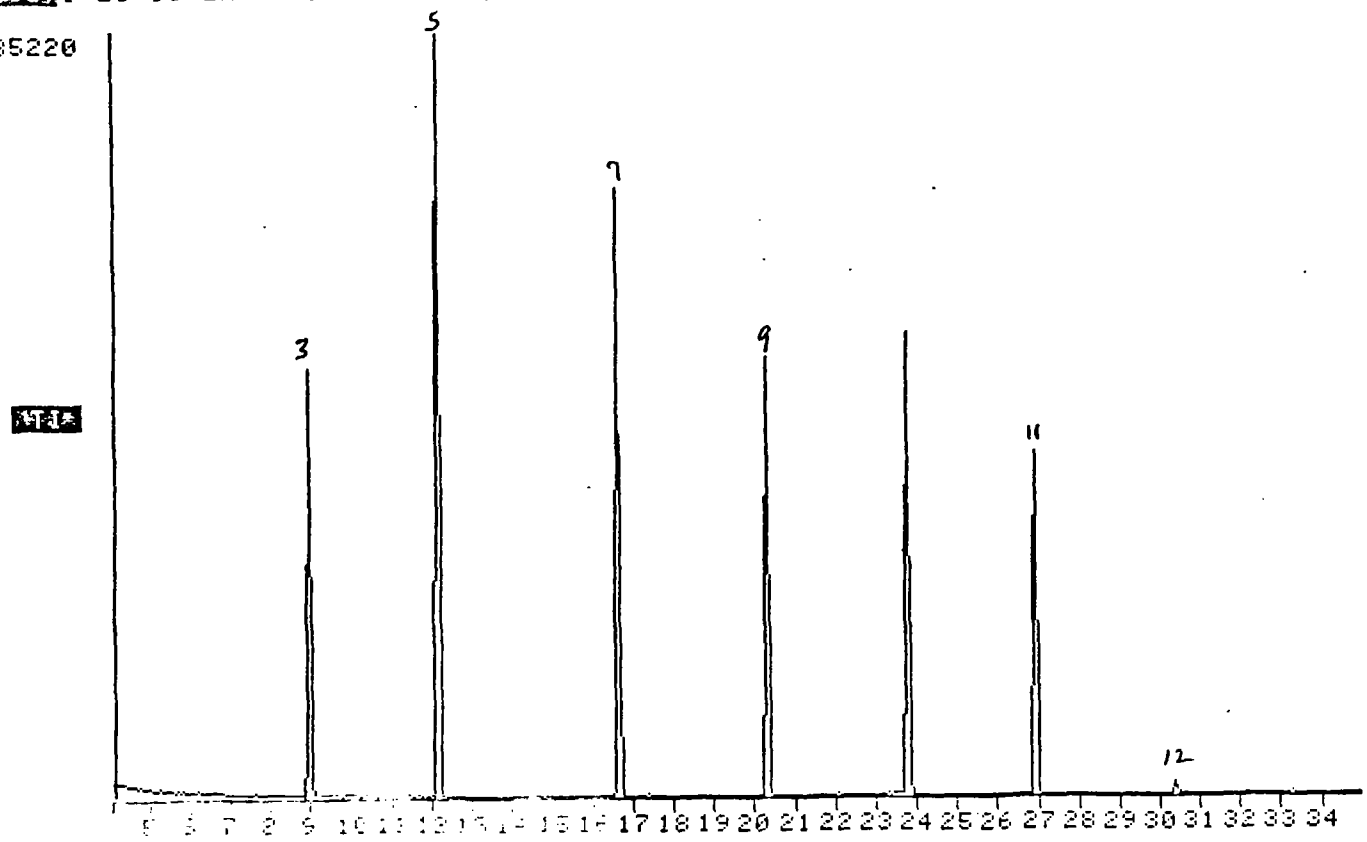
100 B/DCLB

3/25/85/EM BTL#11 Q14752 D14752

AREA	R. TIME	START	STOP	MAXIMA	# SUMS	MASS	BASE
27.0	240.0	1.000	40.0000	D12-CHRYSENE			
23.8	184.0	.712	100.0000	BENZIDINE			
27.0	252.0	.146	100.0000	DICHLOROBENZIDINE			

IV 74

[illegible]3/25/85/EM BTL#12 014753 D14753



1. 2-FLUROPHENOL(SURR)
2. PHENOL-D6(SURR)
3. 1,4-DICHLOROBENZENE-D4(IS)
4. NITROBENZENE-D5(SURR)
5. NAPHTHALENE-D8(IS)
6. 2-FLUOROBIPHENYL (SURR)
7. ACENAPHTHENE-D10(IS)
8. 2,4,6-TRIBROMOPHENOL(SURR)
9. PHENANTHRENE-D10(IS)
10. TERPHENYL-D14(SURR)
11. CHRYSENE-D12(IS)
12. PERYLENE-D12(IS)

IF 15

AREA	R. TIME	START	STOP	MAXIMA	# SUMS	MASS	BASE
27.0	240.0	1.000	40.0000	D12-CHRYSENE			
23.8	184.0	.839	200.0000	BENZIDINE			
27.0	252.0	.099	200.0000	DICHLOROBENZIDINE			

IV 76

Case No. 3967 Laboratory GCA

Contract No. 3-705-050 RN 6801-6767 GC Column SP 2250/2401 GC Instrument ID HP 5880

	DATE OF ANALYSIS 3/30/85 TIME OF ANALYSIS 12:52, 13:48 LABORATORY ID P-30-4, P-31-4				DATE OF ANALYSIS 3/30/85 TIME OF ANALYSIS 3:36, 4:31 LABORATORY ID P-30-3, P-31-3			
COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT.	RT	CALIBRATION FACTOR	CONF. OR QUANT.	PERCENT DIFF. **
alpha-BHC	2.01	1.99-2.01	15.59/.05 = 312	Conf.	2.00	58.64/.125 = 469	Conf.	40. a
beta-BHC	3.03	3.01-3.03	10.95/.05 = 219	Conf.	3.02	27.86/.125 = 223	Conf.	1.8
delta-BHC	3.54	3.52-3.56	13.59/.05 = 272	Conf.	3.54	40.74/.125 = 326	Conf.	18.
gamma-BHC	2.59	2.56-2.60	14.8/.05 = 296	Conf.	2.58	52.54/.125 = 420	Conf.	35. a
Heptachlor	3.19	3.16-3.20	18.92/.05 = 378	Conf.	3.18	56.59/.125 = 453	Conf.	18.
Aldrin	3.89	3.87-3.89	14.79/.05 = 296	Conf.	3.88	46.82/.125 = 374	Conf.	23. a
Heptachlor Epoxide	6.03	6.01-6.05	18.40/.05 = 368	Conf.	6.02	49.07/.125 = 393	Conf.	6.6
Endosulfan I	7.65	7.61-7.67	18.67/.05 = 373	Conf.	7.64	45.52/.125 = 364	Conf.	2.4
Dieldrin	9.47	9.41-9.49	12.58/.05 = 252	Conf.	9.44	36.97/.125 = 296	Conf.	16.
4,4'-DDE	9.14	9.12-9.14	16.72/.05 = 334	Conf.	9.13	42.97/.125 = 344	Conf.	2.9
Endrin	11.57	11.51-11.59	9.64/.05 = 192	Conf.	11.54	26.39/.125 = 211	Conf.	4.6
Endosulfan II	14.22	14.14-14.24	16.17/.05 = 323	Conf.	14.19	40.44/.125 = 324	Conf.	0.31
4,4'-DDD	14.39	14.35-14.41	7.73/.05 = 155	Conf.	14.36	21.53/.125 = 172	Conf.	10.
Endrin Aldehyde	18.99	18.77-19.03	13.81/.05 = 276	Conf.	18.74	41.26/.125 = 330	Conf.	18.
Endosulfan Sulfate	23.30	23.11-23.35	13.33/.05 = 267	Conf.	23.23	28.83/.125 = 231	Conf.	12.
4,4'-DDT	17.42	17.33-17.45	5.42/.05 = 108	Conf.	17.37	16.14/.125 = 129	Conf.	18.
Methoxychlor	34.80 *	34.76-34.88	.90/.125 = 7.20*	Conf.	34.84 *	2.14/.25 = 8.56*	Conf.	17.
Endrin Ketone	31.73	31.55-31.71	9.44/.05 = 188	Conf.	31.65	25.55/.125 = 204	Conf.	8.2
Tech. Chlordane								
alpha-Chlordane*								
gamma-Chlordane*								
Toxaphene								
Aroclor - 1016								
Aroclor - 1221								
Aroclor - 1232								
Aroclor - 1242								
Aroclor - 1248								
Aroclor - 1254								
Aroclor - 1260								

a See accompanying sheet for comparison of duplicate injections of the same standard which resulted in good agreement of calibration factors. This indicates that there was a problem with the standard solutions and not an instrument problem.

* SEE EXHIBIT B, PART 7 * from P-30-3

~~[illegible]~~ B.L.

** CONF. = CONFIRMATION (% DIFFERENCE)

Case No. 3964 Laboratory GCA

Contract No. 3-705-050 RN GC Column SP 2250/2401 GC Instrument ID HP5710

68-01-6767

	DATE OF ANALYSIS				DATE OF ANALYSIS 3/30			
	TIME OF ANALYSIS				TIME OF ANALYSIS 10:57			
	LABORATORY ID				LABORATORY ID P-3C-4			
COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT.	RT	CALIBRATION FACTOR	CONF. OR QUANT.	PERCENT DIFF.**
alpha-BHC					2.00	15.6/.05 = 312		0
beta-BHC								
delta-BHC								
gamma-BHC					2.58	14.14/.05 = 291		1.0
Heptachlor								
Aldrin					3.11	15.0/.05 = 301		1.7
Heptachlor Epoxide								
Endosulfan I								
Dieldrin								
4,4'-DDE								
Endrin								
Endosulfan II								
4,4'-DDD								
Endrin Aldehyde								
Endosulfan Sulfate								
4,4'-DDT								
Methoxychlor								
Endrin Ketone								
Tech. Chlordane								
alpha-Chlordane*								
gamma-Chlordane*								
Toxaphene								
Aroclor - 1016								
Aroclor - 1221								
Aroclor - 1232								
Aroclor - 1242								
Aroclor - 1248								
Aroclor - 1254								
Aroclor - 1260								

* SEE EXHIBIT B, PART 7

** CONF. = CONFIRMATION (<20% DIFFERENCE)
QUANT. = QUANTITATION (<10% DIFFERENCE)

Case No. 5169 Laboratory GCA

Contract No. ~~68-03-3025~~ 68-01-6767 GC Column SP 2250/2401 GC Instrument ID HP5880

	DATE OF ANALYSIS 4/1/85 TIME OF ANALYSIS 14:23, 15:05 LABORATORY ID P-30-4, P 31-4				DATE OF ANALYSIS 4/2/85 TIME OF ANALYSIS 4:16, 4:57 LABORATORY ID P-30-4, P 31-4			
COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT.	RT	CALIBRATION FACTOR	CONF. OR QUANT.	PERCENT DIFF. **
alpha-BHC	2.00	1.99 - 2.01	23.81/.05 = 476	Conf	2.00	24.78/.05 = 496	Conf	4.1
beta-BHC	3.02	2.99 - 3.05	9.09/.05 = 182	Conf.	~~2.57~~ 3.02	8.50/.05 = 170	Conf.	3.2
delta-BHC	3.53	3.50 - 3.58	10.71/.05 = 216	Conf.	3.53	11.67/.05 = 234	Conf.	8.0
gamma-BHC	2.58	2.57 - 2.59	21.75/.05 = 435	Conf.	2.58	22.62/.05 = 452	Conf.	3.8
Heptachlor	3.18	3.17 - 3.19	28.14/.05 = 563	Conf.	3.18	28.11/.05 = 562	Conf.	0.18
Aldrin	3.88	3.86 - 3.90	21.14/.05 = 423	Conf.	3.87	21.77/.05 = 435	Conf.	2.8
Heptachlor Epoxide	6.02	5.99 - 6.05	24.16/.05 = 482	Conf.	6.01	24.36/.05 = 487	Conf.	1.0
Endosulfan I	7.63	7.56 - 7.70	16.03/.05 = 321	Conf.	7.62	16.21/.05 = 324	Conf.	0.93
Dieldrin	9.43	9.41 - 9.45	17.46/.05 = 349	Conf.	9.42	20.27/.05 = 405	Conf.	15. a
4,4'-DDE	9.12	9.04 - 9.22	13.90/.05 = 278	Conf.	9.11	14.33/.05 = 287	Conf.	3.2
Endrin	11:53	11:49 - 11:55	12.49/.05 = 249	Conf.	11:51	14.71/.05 = 294	Conf.	17. a
Endosulfan II	14.17	14.08 - 14.28	14.26/.05 = 285	Conf.	14.15	14.29/.05 = 286	Conf.	0.35
4,4'-DDD	14.35	14.28 - 14.40	10.56/.05 = 206	Conf.	14.33	14.64/.05 = 293	Conf.	35. a
Endrin Aldehyde	18.89	18.83 - 18.95	20.12/.05 = 402	Conf.	18.85	15.72/.05 = 314	Conf.	20. a
Endosulfan Sulfate	23.17	23.02 - 23.34	11.21/.05 = 224	Conf.	23.13	11.01/.05 = 220	Conf.	1.8
4,4'-DDT	17:35	17.29 - 17.41	9.38/.05 = 188	~~Conf~~ B.L.	—	—	—	—
Methoxychlor	34.74	34.52 - 35.04	9.22/.05 = 184	~~Conf~~ B.L.	—	—	—	—
Endrin Ketone	31.60	31.33 - 31.83	~~7.27/.05~~ 17.91/.05=358 BL	Conf.	31.53	13.71/.05 = 274	Conf.	21.
Tech. Chlordane								
alpha-Chlordane*								
gamma-Chlordane*								
Toxaphene								
Aroclor - 1016								
Aroclor - 1221								
Aroclor - 1232								
Aroclor - 1242								
Aroclor - 1248								
Aroclor - 1254								
Aroclor - 1260								

* SEE EXHIBIT B, PART 7 a = poor integration caused by carryover ** CONF. = CONFIRMATION (<20% DIFFERENCE)

4/84

Project 3-705-050 Column SP 2250/2401

PRIORITY POLLUTANT PESTICIDE DATA

RUN DATE 3/30/85 ANALYST: BL HP 5880 LOGBOOK PAGE 167, 168

(see reverse for linear regression analyses)

Component	RT (Min)	Std. Conc (ng/ml)	Area$_3$ X 10^3	Std. Conc (ng/ml)	Area$_3$ X 10^3	Std Conc (ng/ml)	Area$_3$ X 10^3	Std Conc (ng/ml)	Area$_3$ X 10^3	Std Conc (ng/ml)	Area$_3$ X 10^3	Std Conc (ng/ml)	Area$_3$ X 10^3
1. α-BHC	1.97-2.01	100	2.00 314	50	2.00 136	25	2.00 58.64	10	2.01 15.59	5	2.00 6.40		
2. β-BHC	2.56-2.60	↓	2.58 283	↓	2.58 121	↓	2.58 52.50	↓	2.59 14.81	↓	2.58 6.43		
3. Heptachlor	3.16-3.20		3.18 280		3.18 123		3.18 56.59		3.19 18.92		3.18 9.22		
4. Aldrin	3.87-3.89		3.88 265		3.88 108		3.88 46.82		3.89 14.79		3.88 6.96		
5. Hept. Epox.	6.01-6.03		6.02 245		6.02 106		6.02 49.08		6.03 18.40		6.02 8.18		
6. Dieldrin	9.41-9.49		9.44 198		9.44 79.8		9.44 36.97		9.47 12.58		9.44 6.13		
7. Endrin	11.51-11.59		11.54 142		11.54 54.5		11.54 26.39		11.57 9.62		11.54 4.06		
8. p,p'-DDD	14.35-14.41		14.37 126		14.38 47.5		14.36 21.53		14.37 7.73		14.38 3.59		
9. p,p'-DDT	17.33-17.45		17.38 104		17.39 37.5		17.37 16.14		17.42 5.42		17.38 2.72		
10. Endrin Ald.	18.77-19.03		18.72 202		18.44 87.9		18.44 41.26		18.49 13.81		18.35 5.73		
11. Endrin Ketone	31.55-31.79		31.63 132		31.66 54.2		31.65 25.56		31.73 9.42		31.69 2.44		
12. Methoxychlor	34.76-35.03	↓	34.83 11.5	↓	34.84 2.14	↓	34.80 .90	↓	—	↓	—		
Pesticide Mix		P-30-1		P-30-2		P-30-3		P-30-4		P-30-5			

Project 3-705-050 Column SP 2250/2401

PRIORITY POLLUTANT PESTICIDE DATA

RUN DATE: 3/30/85 ANALYST: BL HP 5880 LOGBOOK PAGE 167, 168

(see reverse for linear regression analyses)

Component	RT (Min)	Std. Conc (ng/ml)	Area$_3$ X 10^3	Std. Conc (ng/ml)	Area$_3$ X 10^3	Std. Conc (ng/ml)	Area$_3$ X 10^3	Std. Conc (ng/ml)	Area$_3$ X 10^3	Std Conc (ng/ml)	Area$_3$ X 10^3	Std. Conc (ng/ml)	Area$_3$ X 10^3
1. β-BHC	3.01-3.03	100	3.02 133	50	3.02 66.2	25	3.02 27.88	10	3.03 10.95	5	3.02 4.44		
2. δ-BHC	3.52-3.56		3.53 268		3.54 119		3.54 40.74		3.54 13.59		3.53 4.76		
3. Endosulfan I	7.61-7.67		7.63 236		7.64 111		7.64 45.52		7.65 18.67		7.63 8.47		
4. p,p'-DDE	9.12-9.14		9.12 264		9.13 115		9.13 42.77		9.14 16.72		9.13 6.67		
5. Endosulfan II	14.14-14.24		14.18 215		14.19 101		14.17 40.44		14.22 16.17		14.19 6.66		
6. Endosulfan Sulfate	23.11-23.35		23.18 146		23.21 70.7		23.23 29.63		23.30 13.33		23.23 5.75		
7. Dibutyl Chlorendate	31.65-31.83	(79.5)	31.71 132		31.73 66.9		31.74 29.25		31.79 12.41		31.74 2.13		
Pesticide Mix		P-31-1		P-31-2		P-31-3		P-31-4		P-31-5			

18 AT

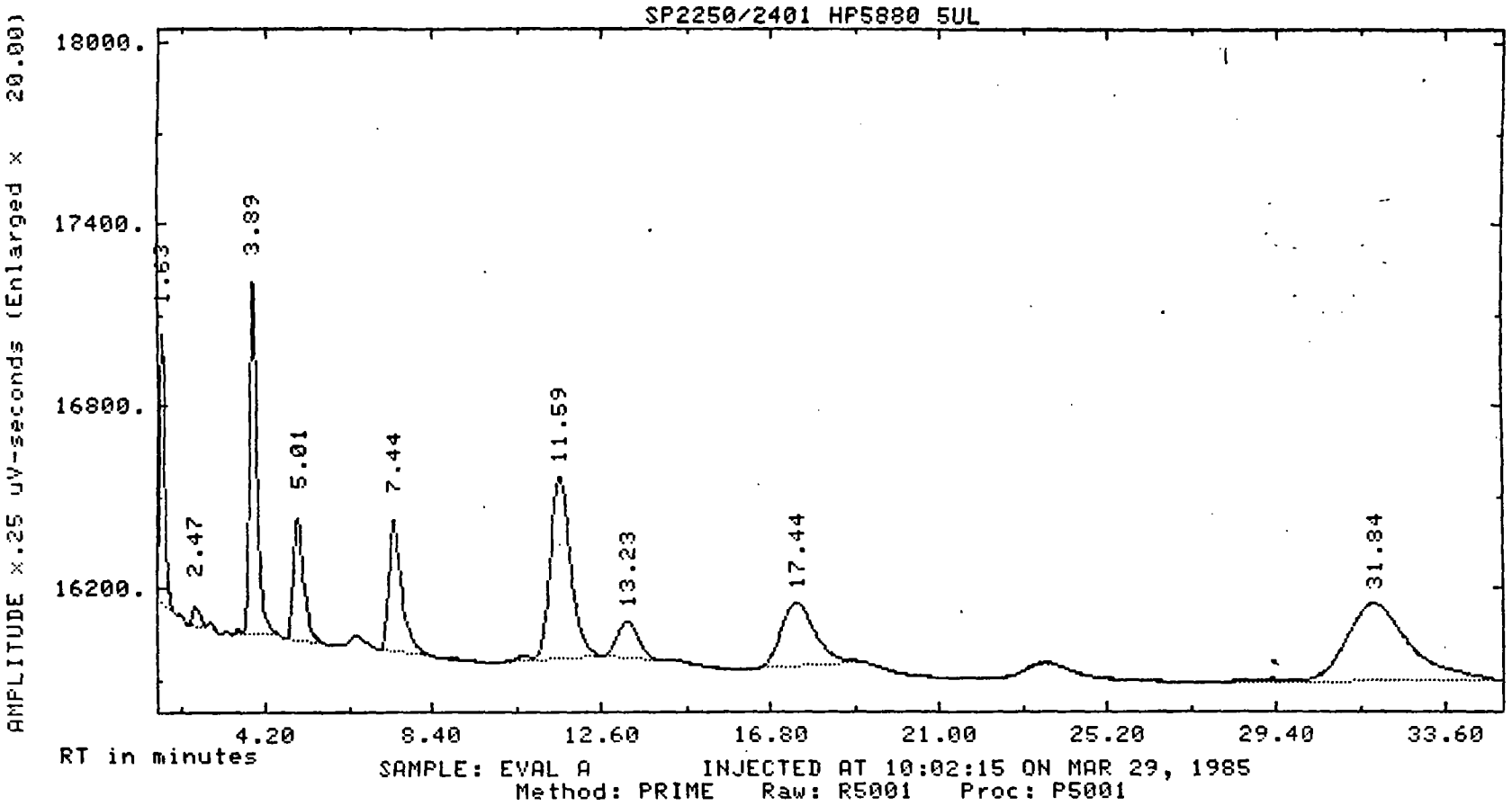
LINEAR REGRESSION RESULTS

SP0250/2401 3/30/85

Component	Correlation Coefficient	Y-intercept	Slope
1. β-BHC			
2. δ-BHC			
3. Endosulfan I			
4. p,p'-DDE			
5. Endosulfan II			
6. Endosulfan Sulfate			
7. Dibutyl Chlorendate	.99939	-3.07	1.36

28 TT

Case 3969

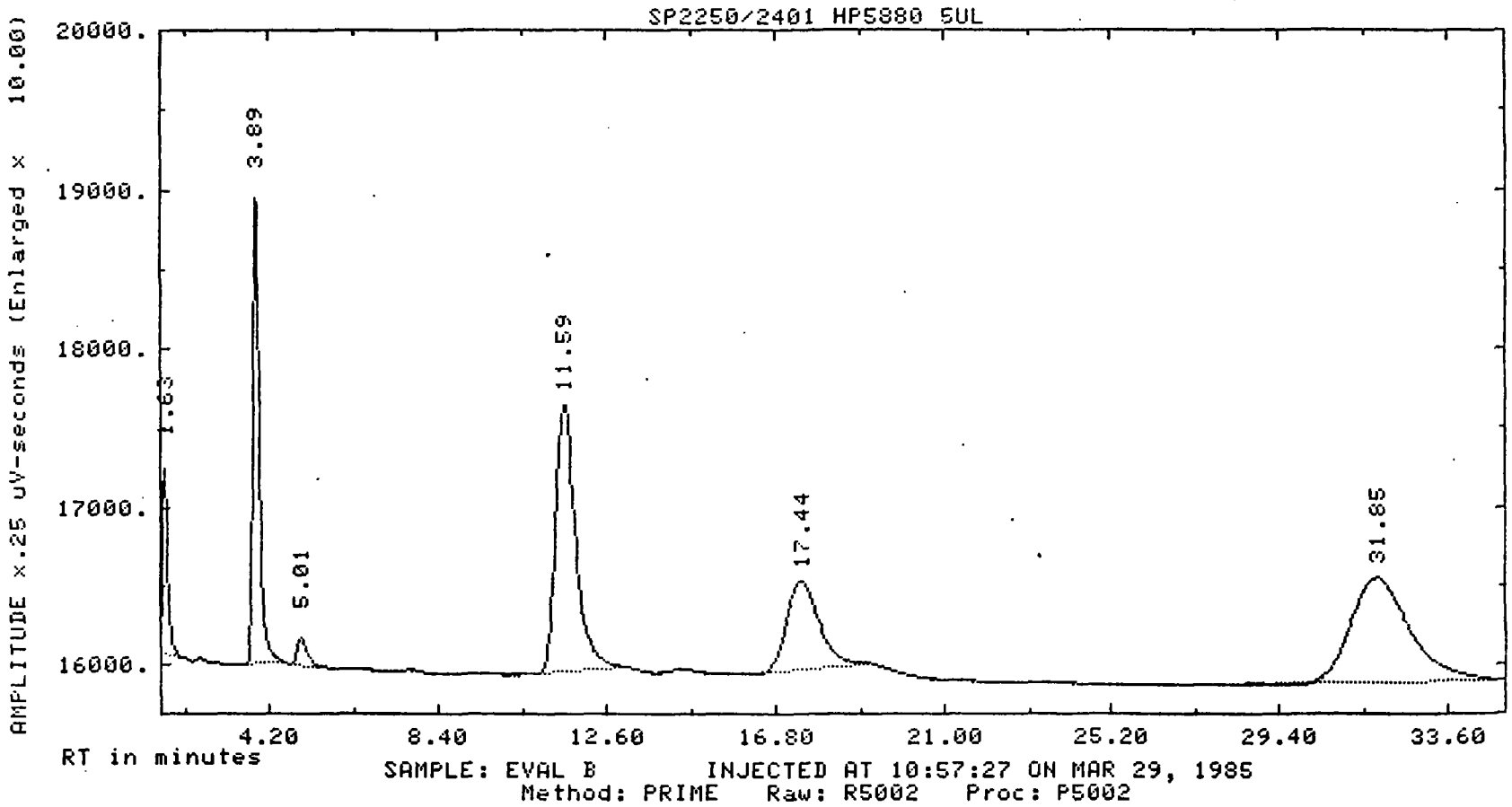

SP2250/2401 HP5880 5UL
AMPLITUDE x.25 uV-seconds (Enlarged x 20.00)
18000.
17400.
16800.
16200.
1.63
2.47
3.89
5.01
7.44
11.59
13.23
17.44
31.84
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: EVAL A INJECTED AT 10:02:15 ON MAR 29, 1985
Method: PRIME Raw: R5001 Proc: P5001

```
READY
*LI,P,P5001

PROCESSED DATA FILE: P5001  ON CRN 21

APR  2, 1985   11:29:44

REPORT:    97     CHANNEL:  2 # PEAKS:   -11  SP2250/2401 HP5880 SUL

PEAK    RT     ITM     FACTOR     AREA       AREA %      NAME

   1   1.04    0.00   1.00000       77 BV     .146
   2   1.16    0.00   1.00000      159 VB     .300
   3   1.63    0.00   1.00000     3861 BB    7.260
   4   2.47    0.00   1.00000      347 BB     .652
   5   3.89    0.00   1.00000     7451 BB   14.009   Aldrin
   6   5.01    0.00   1.00000     3609 BB    6.785
   7   7.44    0.00   1.00000     5256 BB    9.883
   8  11.59    0.00   1.00000    10520 BB   19.779   Endrin
   9  13.23    0.00   1.00000     2138 BB    4.020
  10  17.44    0.00   1.00000     5824 BB   10.951   pp'-DDT
  11  31.84    0.00   1.00000    13943 BB   26.216   Dibutylchlorendate

TOTAL AREA =        53187    TOTAL AREA % =    100.000

SAMPLE: EVAL A         INJECTED AT  10:02:15 ON MAR 29, 1985

ZERO METHOD: PRIME    SEQ: SM03    SUBSQ/SAMP:  1 /  1   BTL:  1

SL-WDTH    MV/MIN    DELAY    MIN-AR    BUNCH    REPORT
   .500      .300     1.00        50    AUTO     MEDIUM

SUP-UNK     DVT     ID-LVL   REF-RTW    %RTW   %DIL-F   ISO
  NO       0.00          0       .30     5.0   100.00   NO

ACTUAL RUN TIME:  40.017 MINUTES

RF-UNK:   1.00000   STD-AMT:     1.0000    SAMP-AMT:    1.0000

ENDED NOT ON BASELINE

RAW DATA FILE: R5001   PARAM FILES= METHOD:            SEQ:

DONE
READY
```

Case 3969

IV 84

Case 3969



58 II

PROCESSED DATA FILE: P5002 ON CRN 21

Case 3969

APR 2, 1985 11:30:00

REPORT: 98 CHANNEL: 2 # PEAKS: -6 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.63	0.00	1.00000	5071	BB	4.882	
2	3.89	0.00	1.00000	17693	BB	17.032	Aldrin
3	5.01	0.00	1.00000	1424	BB	1.371	
4	11.59	0.00	1.00000	29429	BB	28.329	Endrin
5	17.44	0.00	1.00000	15772	BB	15.182	pp'-DDT
6	31.85	0.00	1.00000	34494	BF	33.205	Dibutylchlorendate

TOTAL AREA = 103883 TOTAL AREA % = 100.000

SAMPLE: EVAL B INJECTED AT 10:57:27 ON MAR 29, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 2 BTL: 2

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.017 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

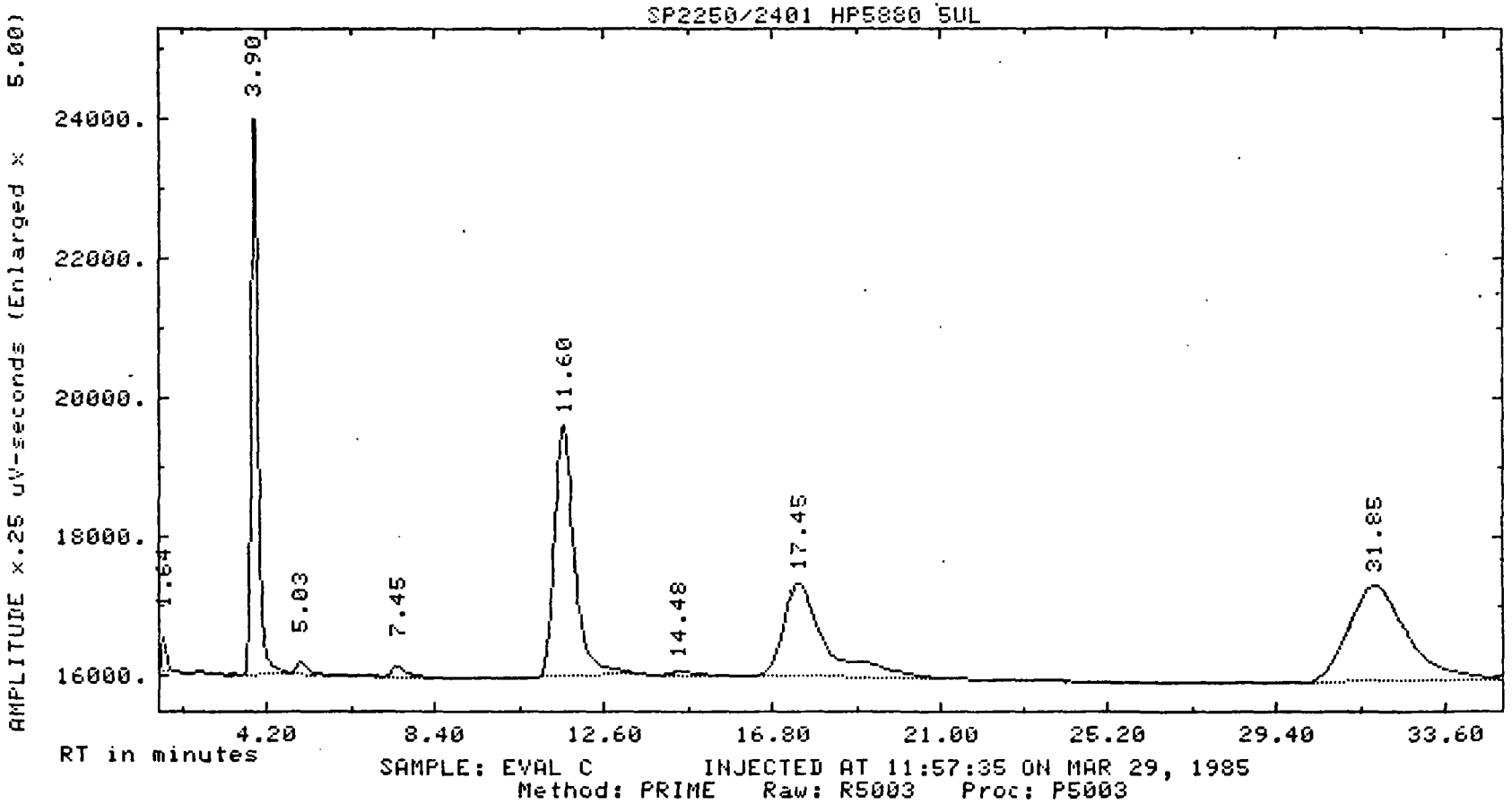
ENDED NOT ON BASELINE

RAW DATA FILE: R5002 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 86

Case 3969


SP2250/2401 HP5880 SUL
AMPLITUDE x.25 uV-seconds (Enlarged x 5.00)
24000.
22000.
20000.
18000.
16000.
1.64
3.90
5.03
7.45
11.60
14.48
17.45
31.85
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: EVAL C INJECTED AT 11:57:35 ON MAR 29, 1985
Method: PRIME Raw: R5003 Proc: P5003

L&T

PROCESSED DATA FILE: P5003 ON CRN 21

Case 3969

APR 2, 1985 11:30:29

REPORT: 99 CHANNEL: 2 # PEAKS: -8 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.64	0.00	1.00000	1908	BB	.820	
2	3.90	0.00	1.00000	46993	BB	20.199	Aldrin
3	5.03	0.00	1.00000	1515	BB	.651	
4	7.45	0.00	1.00000	1741	BB	.749	
5	11.60	0.00	1.00000	62034	BB	26.664	Endrin
6	14.40	0.00	1.00000	1004	BB	.432	
7	17.45	0.00	1.00000	47777	BB	20.536	pp'-DDT
8	31.85	0.00	1.00000	69000	BF	29.950	Dibutylchlorendate

TOTAL AREA = 232654 TOTAL AREA % = 100.000

SAMPLE: EVAL C INJECTED AT 11:57:35 ON MAR 29, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 3 BTL: 3

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.017 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

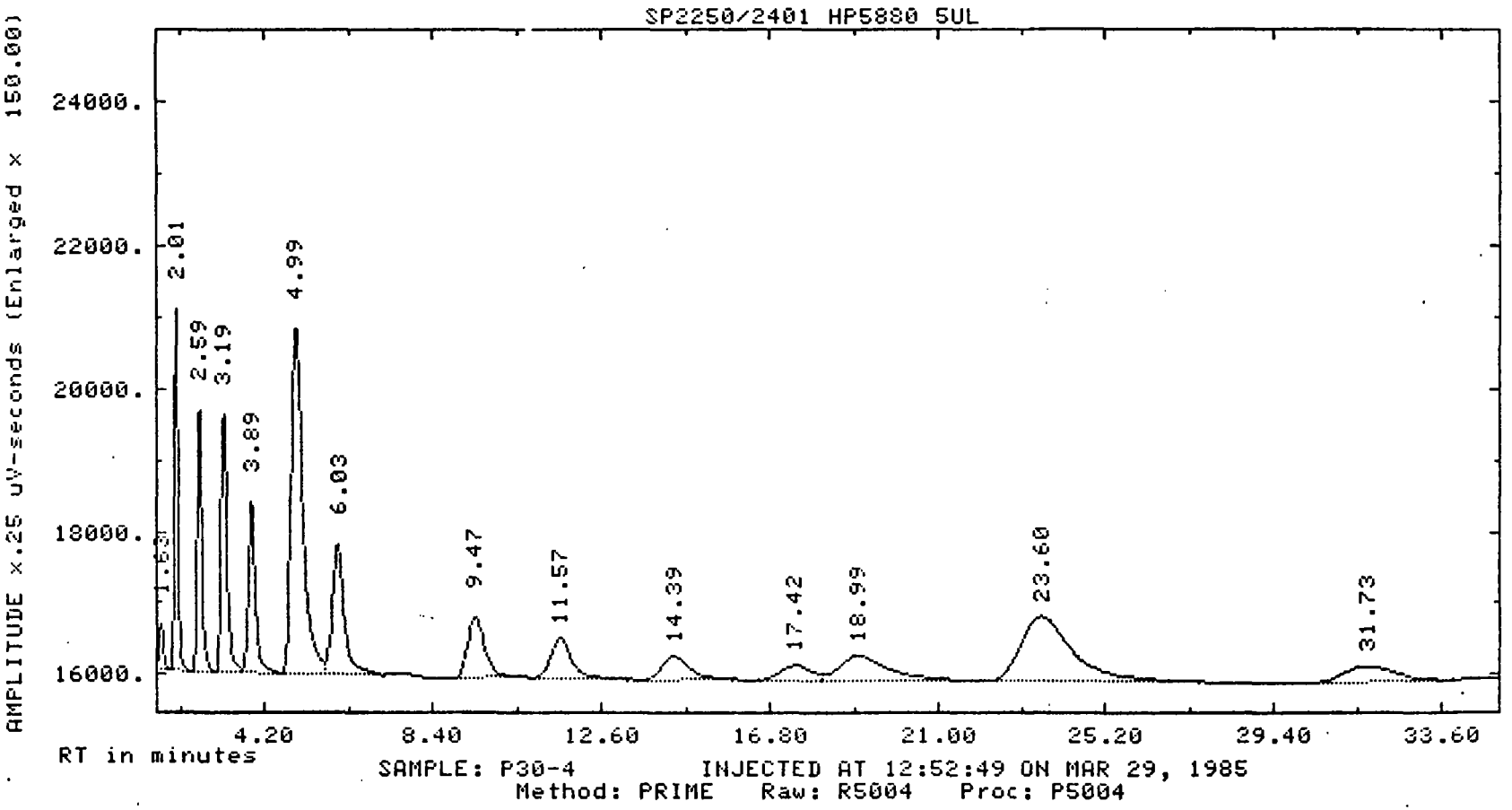
ENDED NOT ON BASELINE

RAW DATA FILE: R5003 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 88

Case 3969


SP2250/2401 HP5880 SUL
AMPLITUDE x.25 uV-seconds (Enlarged x 150.00)
24000.
22000.
20000.
18000.
16000.
2.01
2.59
3.19
3.89
4.99
6.03
9.47
11.57
14.39
17.42
18.99
23.60
31.73
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: P30-4 INJECTED AT 12:52:49 ON MAR 29, 1985
Method: PRIME Raw: R5004 Proc: P5004

58

*LI,P,P5004

PROCESSED DATA FILE: P5004 ON CRN 21

Case 3969

APR 2, 1985 11:30:52

REPORT: 100 CHANNEL: 2 # PEAKS: -14 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.63	0.00	1.00000	2459	BV	1.048	
2	2.01	0.00	1.00000	15589	VB	6.640	α-BHC
3	2.59	0.00	1.00000	14813	BV	6.310	γ-BHC
4	3.19	0.00	1.00000	18923	VV	8.061	Heptachlor
5	3.89	0.00	1.00000	14785	VB	6.298	Aldrin
6	4.99	0.00	1.00000	50244	BV	21.403	
7	6.03	0.00	1.00000	18395	VB	7.836	Heptachlor Epoxide
8	9.47	0.00	1.00000	12577	BB	5.358	Dieldrin
9	11.57	0.00	1.00000	9618	BB	4.097	Endrin
10	14.39	0.00	1.00000	7734	BB	3.295	pp'-DDD
11	17.42	0.00	1.00000	5421	BV	2.309	pp'-DDT
12	18.99	0.00	1.00000	13308	VB	5.682	Endrin Aldelyde
13	23.60	0.00	1.00000	40969	BB	17.452	
14	31.73	0.00	1.00000	9416	DB	4.011	Endrin Ketone

TOTAL AREA = 234752 TOTAL AREA % = 100.000

SAMPLE: P30-4 INJECTED AT 12:52:49 ON MAR 29, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 4 BTL: 4

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.017 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

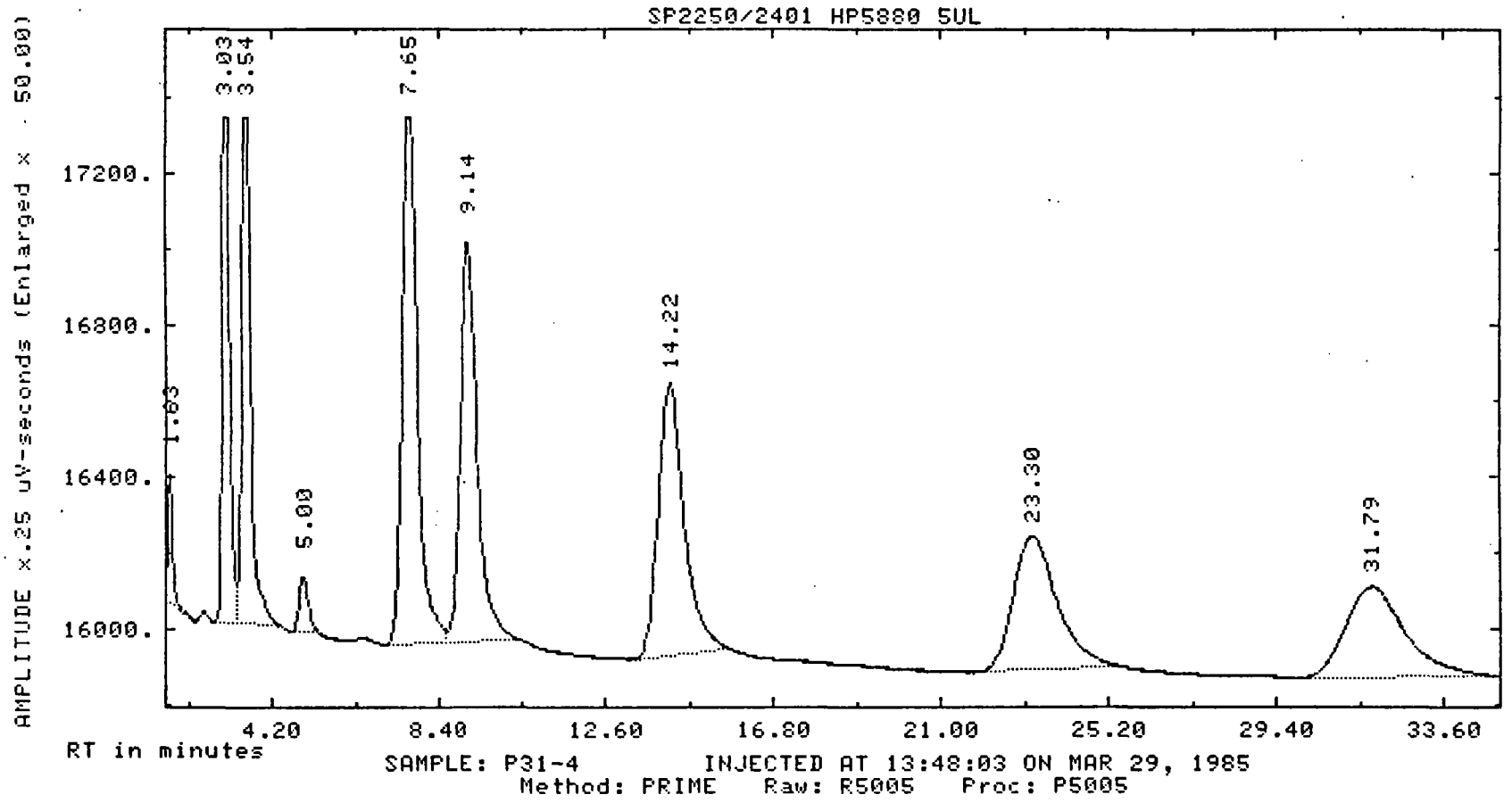
ENDED NOT ON BASELINE

RAW DATA FILE: R5004 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 90

Case 3969


SP2250/2401 HP5880 5UL
AMPLITUDE x.25 uV-seconds (Enlarged x 50.00)
17200.
16800.
16400.
16000.
1.63
3.03
3.54
5.00
7.65
9.14
14.22
23.30
31.79
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: P31-4 INJECTED AT 13:48:03 ON MAR 29, 1985
Method: PRIME Raw: R5005 Proc: P5005

*LI,P,P5005

PROCESSED DATA FILE: P5005 ON CRN 21

Case 3969

APR 2, 1985 11:31:20

REPORT: 101 CHANNEL: 2 # PEAKS: -9 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.63	0.00	1.00000	1357	BB	1.300	
2	3.03	0.00	1.00000	10952	BV	10.493	β-BHC
3	3.54	0.00	1.00000	13585	VB	13.016	γ-BHC
4	5.00	0.00	1.00000	1182	BB	1.132	
5	7.65	0.00	1.00000	18671	BV	17.888	Endosulfan I
6	9.14	0.00	1.00000	16715	VB	16.014	pp'-DDE
7	14.22	0.00	1.00000	16173	BB	15.495	Endosulfan II
8	23.30	0.00	1.00000	13326	BB	12.767	Endosulfan Sulfate
9	31.79	0.00	1.00000	12414	BB	11.894	Dibutylchlorendate

TOTAL AREA = 104374 TOTAL AREA % = 100.000

SAMPLE: P31-4 INJECTED AT 13:48:03 ON MAR 29, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 5 BTL: 5

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.017 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

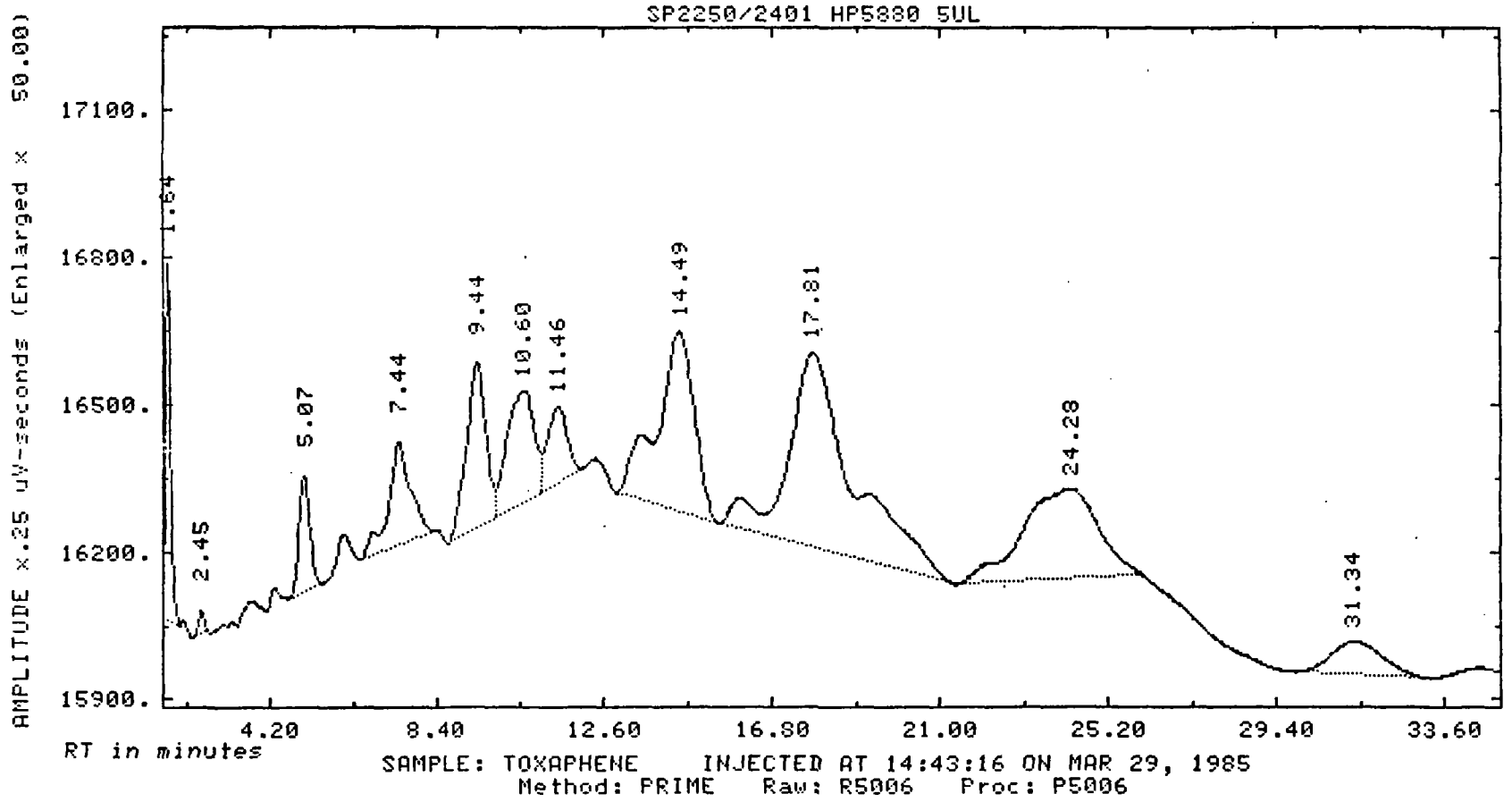
ENDED NOT ON BASELINE

RAW DATA FILE: R5005 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 92

Case 3969



Tr 93

*LI,P,P5006

PROCESSED DATA FILE: P5006 ON CRN 21

Case 3969

APR 2, 1985 11:31:45

REPORT: 102 CHANNEL: 2 # PEAKS: -12 SP2250/2401 HP5800 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.17	0.00	1.00000	319	BB	.439	
2	1.64	0.00	1.00000	3134	BB	4.309	
3	2.45	0.00	1.00000	251	BB	.345	
4	5.07	0.00	1.00000	2347	BB	3.228	
5	7.44	0.00	1.00000	3931	BB	5.407	
6	9.44	0.00	1.00000	5589	BV	7.687	
7	10.60	0.00	1.00000	5281	VV	7.263	
8	11.46	0.00	1.00000	2661	VB	3.659	
9	14.49	0.00	1.00000	11896	BB	16.360	
10	17.81	0.00	1.00000	22227	BB	30.569	
11	24.28	0.00	1.00000	12084	BB	16.619	
12	31.34	0.00	1.00000	2992	BB	4.114	

TOTAL AREA = 72713 TOTAL AREA % = 100.000

SAMPLE: TOXAPHENE INJECTED AT 14:43:10 ON MAR 29, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 6 BTL: 6

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.017 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

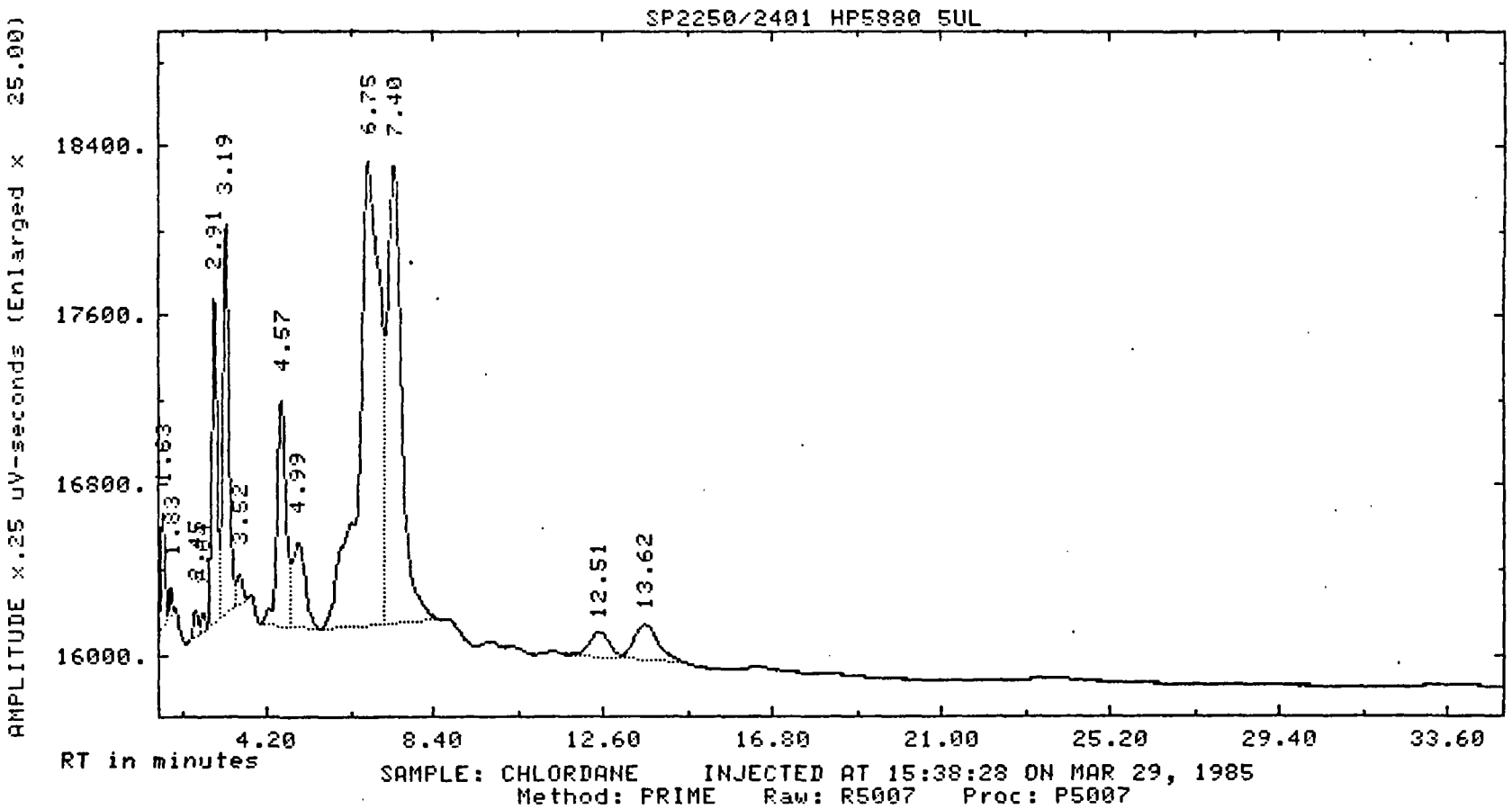
ENDED NOT ON BASELINE

RAW DATA FILE: R5006 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 94

Case 3969



S6 TT

Case 3969

PROCESSED DATA FILE: P5007 ON CRN 21

APR 2, 1985 11:32:09

REPORT: 103 CHANNEL: 2 # PEAKS: -15 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.17	0.00	1.00000	150	BV	.136	
2	1.30	0.00	1.00000	1670	VV	1.518	
3	1.63	0.00	1.00000	1916	VV	1.741	
4	1.83	0.00	1.00000	311	VB	.283	
5	2.45	0.00	1.00000	514	BV	.467	
6	2.64	0.00	1.00000	282	VV	.256	
7	2.91	0.00	1.00000	6934	VV	6.302	
8	3.19	0.00	1.00000	8726	VV	8.040	
9	3.52	0.00	1.00000	683	VB	.621	
10	4.57	0.00	1.00000	8652	BV	7.863	
11	4.99	0.00	1.00000	4029	VB	3.662	
12	6.75	0.00	1.00000	41103	BV	37.356	
13	7.40	0.00	1.00000	28822	VB	26.194	
14	12.51	0.00	1.00000	1981	BV	1.800	
15	13.02	0.00	1.00000	3258	VB	2.961	

TOTAL AREA = 110031 TOTAL AREA % = 100.000

SAMPLE: CHLORDANE INJECTED AT 15:38:28 ON MAR 29, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 7 BTL: 7

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.017 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

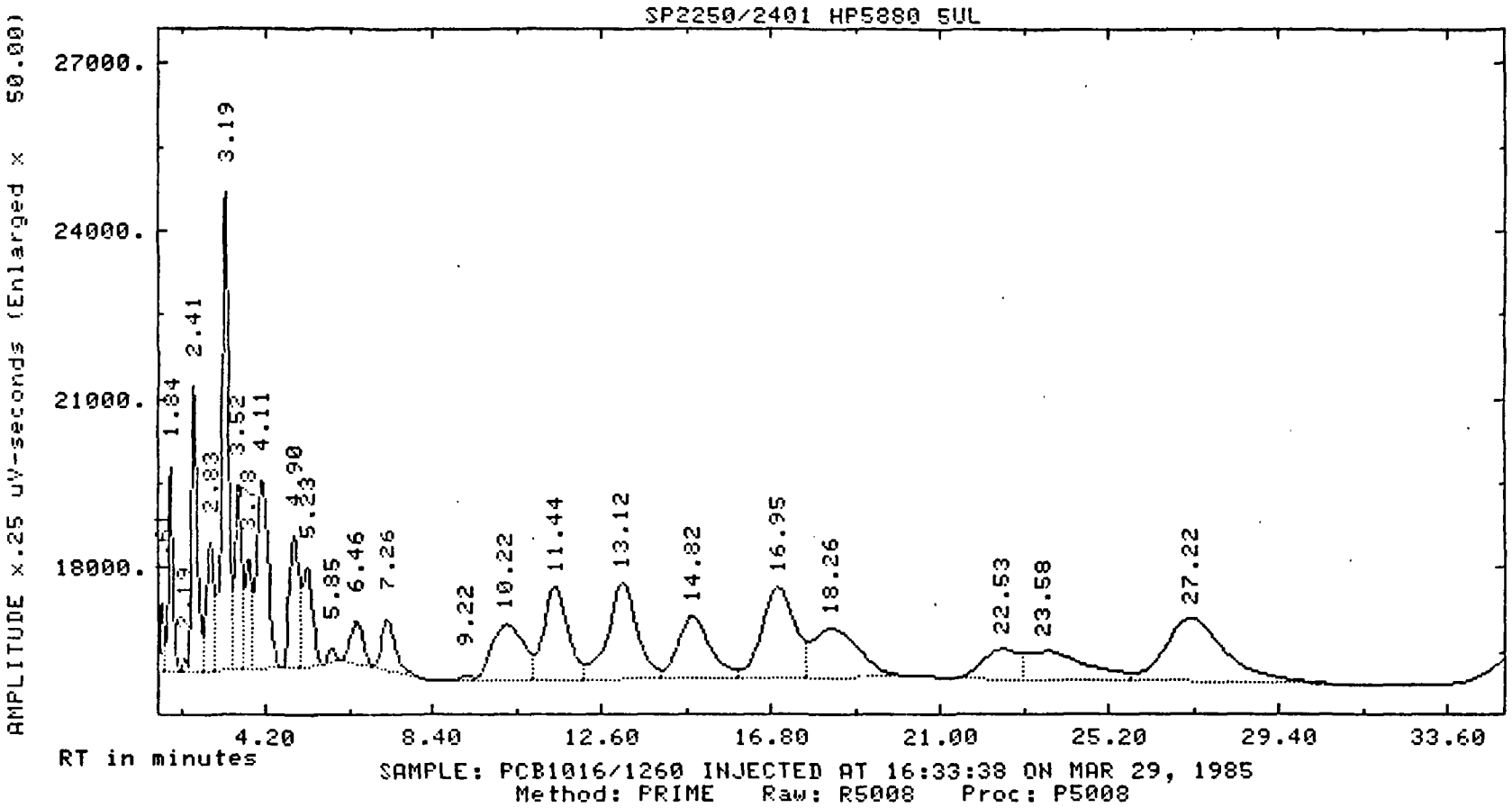
ENDED NOT ON BASELINE

RAW DATA FILE: R5007 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 96

Case 3969



L6 RT

PROCESSED DATA FILE: P5000 ON CRN 21 Case 3969

APR 2, 1985 11:32:36

REPORT: 104 CHANNEL: 2 # PEAKS: -25 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.46	0.00	1.00000	1008	BV	.184	
2	1.61	0.00	1.00000	4231	VV	.773	
3	1.84	0.00	1.00000	14369	VV	2.625	
4	2.19	0.00	1.00000	689	VV	.126	
5	2.41	0.00	1.00000	25039	VV	4.575	
6	2.83	0.00	1.00000	14756	VV	2.696	
7	3.19	0.00	1.00000	49850	VV	9.126	
8	3.52	0.00	1.00000	20140	VV	3.680	
9	3.78	0.00	1.00000	10864	VV	1.985	
10	4.11	0.00	1.00000	32667	VV	5.968	
11	4.90	0.00	1.00000	19769	VV	3.612	
12	5.23	0.00	1.00000	15139	VV	2.766	
13	5.85	0.00	1.00000	1473	VB	.269	
14	6.46	0.00	1.00000	8083	BV	1.477	
15	7.26	0.00	1.00000	11789	VB	2.154	
16	9.22	0.00	1.00000	1173	BV	.214	
17	10.22	0.00	1.00000	27758	VV	5.071	
18	11.44	0.00	1.00000	34194	VV	6.247	
19	13.12	0.00	1.00000	43802	VV	8.003	
20	14.02	0.00	1.00000	30602	VV	5.591	
21	16.95	0.00	1.00000	45452	VV	8.304	
22	18.26	0.00	1.00000	33077	VB	6.043	
23	22.53	0.00	1.00000	17414	BV	3.182	
24	23.56	0.00	1.00000	25991	VV	4.749	
25	27.22	0.00	1.00000	57822	VB	10.562	

TOTAL AREA = 547353 TOTAL AREA % = 100.000

SAMPLE: PCB101G/1260 INJECTED AT 16:33:30 ON MAR 29, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 8 BTL: 8

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.017 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

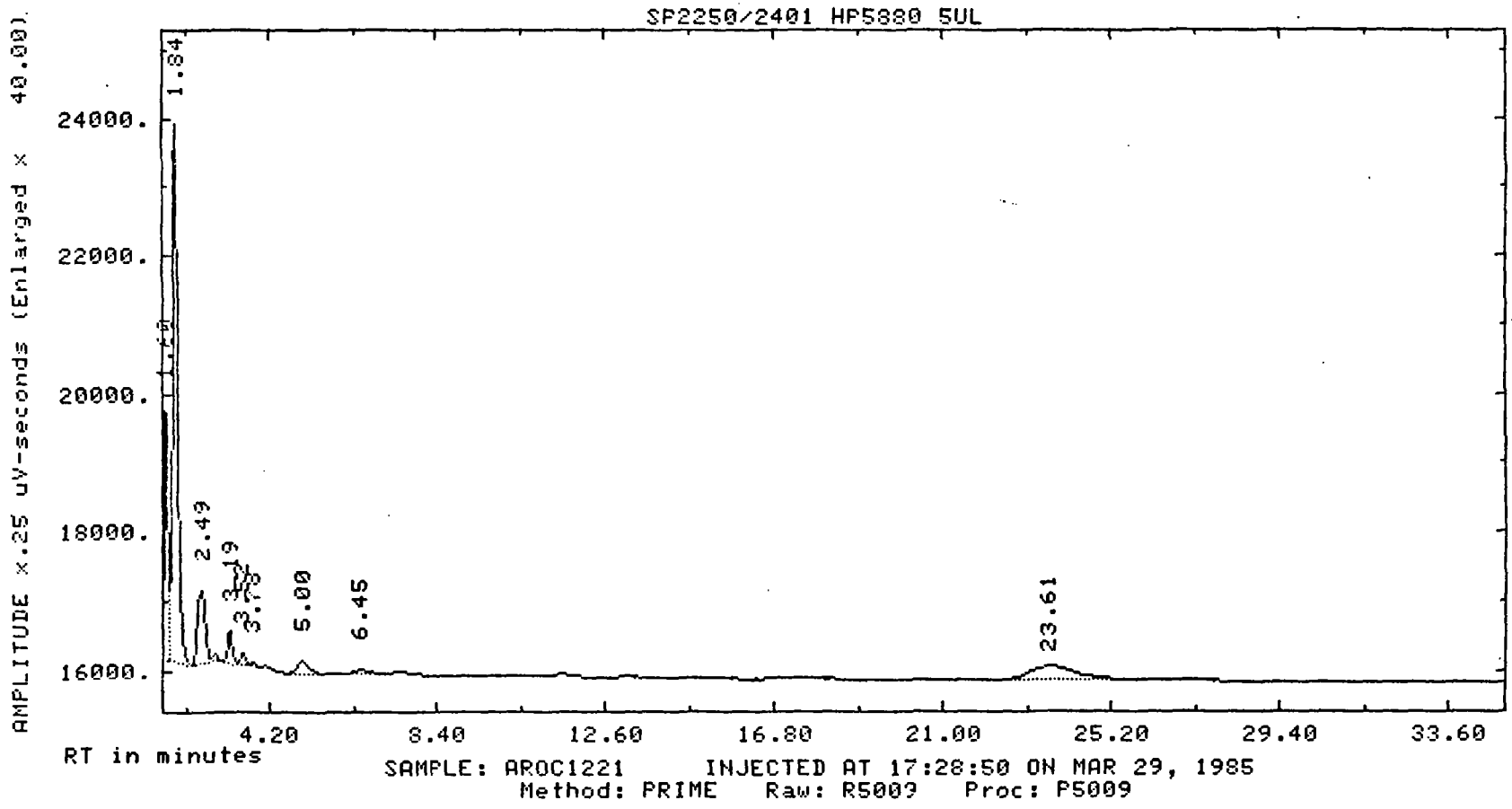
ENDED NOT ON BASELINE

RAW DATA FILE: R5000 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 98

Case 3969


SP2250/2401 HP5880 5UL
AMPLITUDE x.25 uV-seconds (Enlarged x 40.00)
24000.
22000.
20000.
18000.
16000.
1.84
2.49
3.19
3.37
5.00
6.45
23.61
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: AROC1221 INJECTED AT 17:28:50 ON MAR 29, 1985
Method: PRIME Raw: R5009 Proc: P5009

PROCESSED DATA FILE: P5009 ON CRN 21 Case 3969

APR 2, 1985 11:33:10

REPORT: 105 CHANNEL: 2 # PEAKS: -11 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.27	0.00	1.00000	2340	BV	3.284	
2	1.40	0.00	1.00000	2757	VV	3.881	
3	1.80	0.00	1.00000	11267	VV	15.858	
4	1.84	0.00	1.00000	33238	VV	46.782	
5	2.49	0.00	1.00000	7855	VB	11.057	
6	3.19	0.00	1.00000	2021	BV	2.845	
7	3.52	0.00	1.00000	746	VV	1.050	
8	3.78	0.00	1.00000	225	VB	.317	
9	5.00	0.00	1.00000	1712	BB	2.410	
10	6.45	0.00	1.00000	956	BB	1.346	
11	23.61	0.00	1.00000	7928	BB	11.159	

TOTAL AREA = 71048 TOTAL AREA % = 100.000

SAMPLE: AROC1221 INJECTED AT 17:20:50 ON MAR 29, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 9 BTL: 9

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.017 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

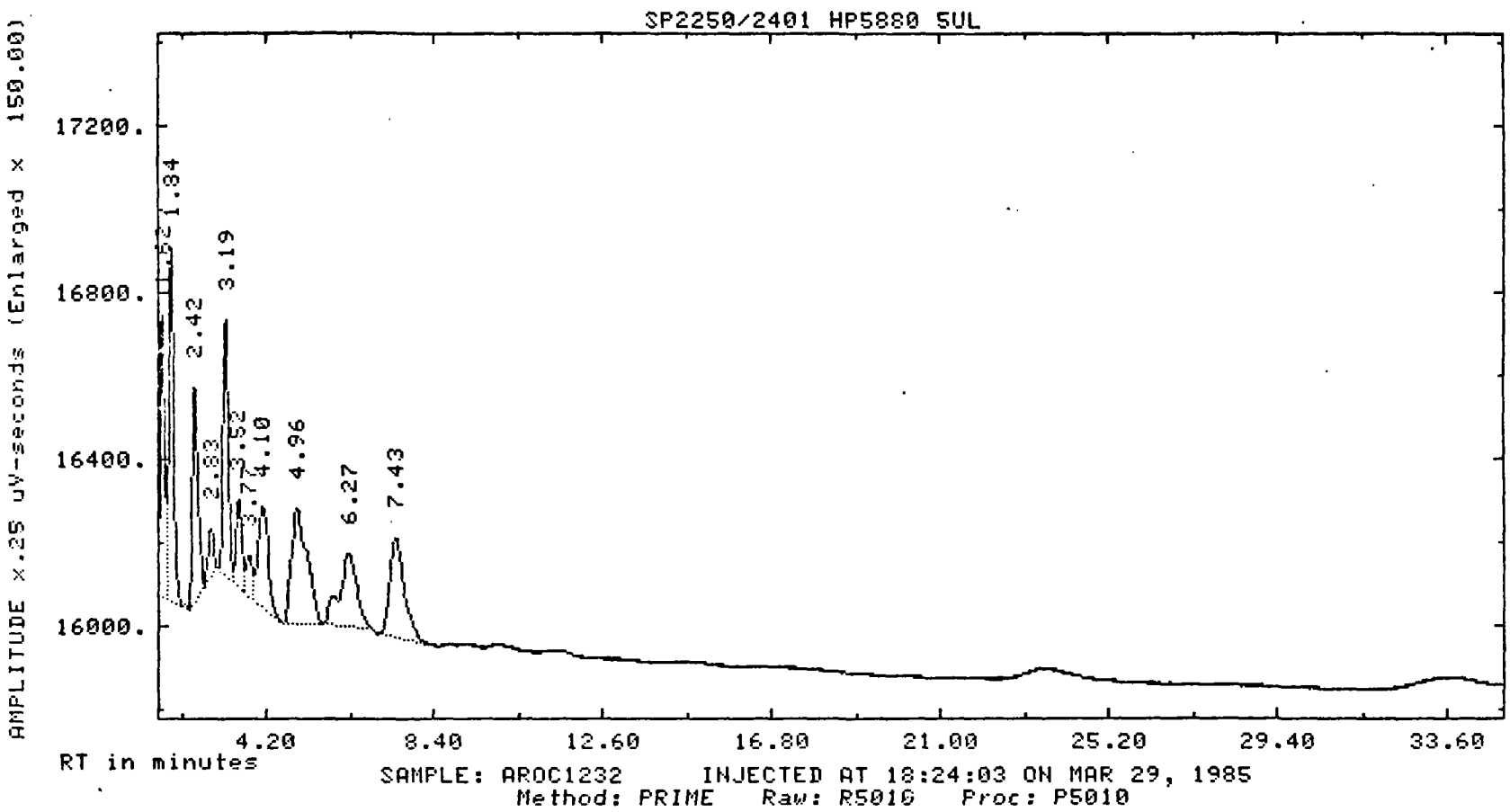
ENDED NOT ON BASELINE

RAW DATA FILE: R5009 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 100

Case 3969


SP2250/2401 HP5880 SUL
AMPLITUDE x.25 uV-seconds (Enlarged x 150.00)
17200.
16800.
16400.
16000.
1.84
2.42
3.19
2.83
3.52
4.10
4.96
6.27
7.43
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: AROC1232 INJECTED AT 18:24:03 ON MAR 29, 1985
Method: PRIME Raw: R5010 Proc: P5010

PROCESSED DATA FILE: P5010 ON CRN 21

Case 3969

APR 2, 1985 11:33:34

REPORT: 106 CHANNEL: 2 # PEAKS: -13 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.27	0.00	1.00000	121	BB	.486	
2	1.46	0.00	1.00000	196	BV	.786	
3	1.62	0.00	1.00000	2495	VV	10.008	
4	1.84	0.00	1.00000	3364	VB	13.496	
5	2.42	0.00	1.00000	2478	BV	9.939	
6	2.83	0.00	1.00000	507	VB	2.033	
7	3.19	0.00	1.00000	2868	BV	11.504	
8	3.52	0.00	1.00000	1069	VV	4.288	
9	3.77	0.00	1.00000	489	VV	1.962	
10	4.10	0.00	1.00000	2101	VB	8.430	
11	4.96	0.00	1.00000	3730	BB	14.965	
12	6.27	0.00	1.00000	2593	BB	10.401	
13	7.43	0.00	1.00000	2916	BB	11.699	

TOTAL AREA = 24927 TOTAL AREA % = 100.000

SAMPLE: AROC1232 INJECTED AT 18:24:03 ON MAR 29, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 10 BTL: 10

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.000 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

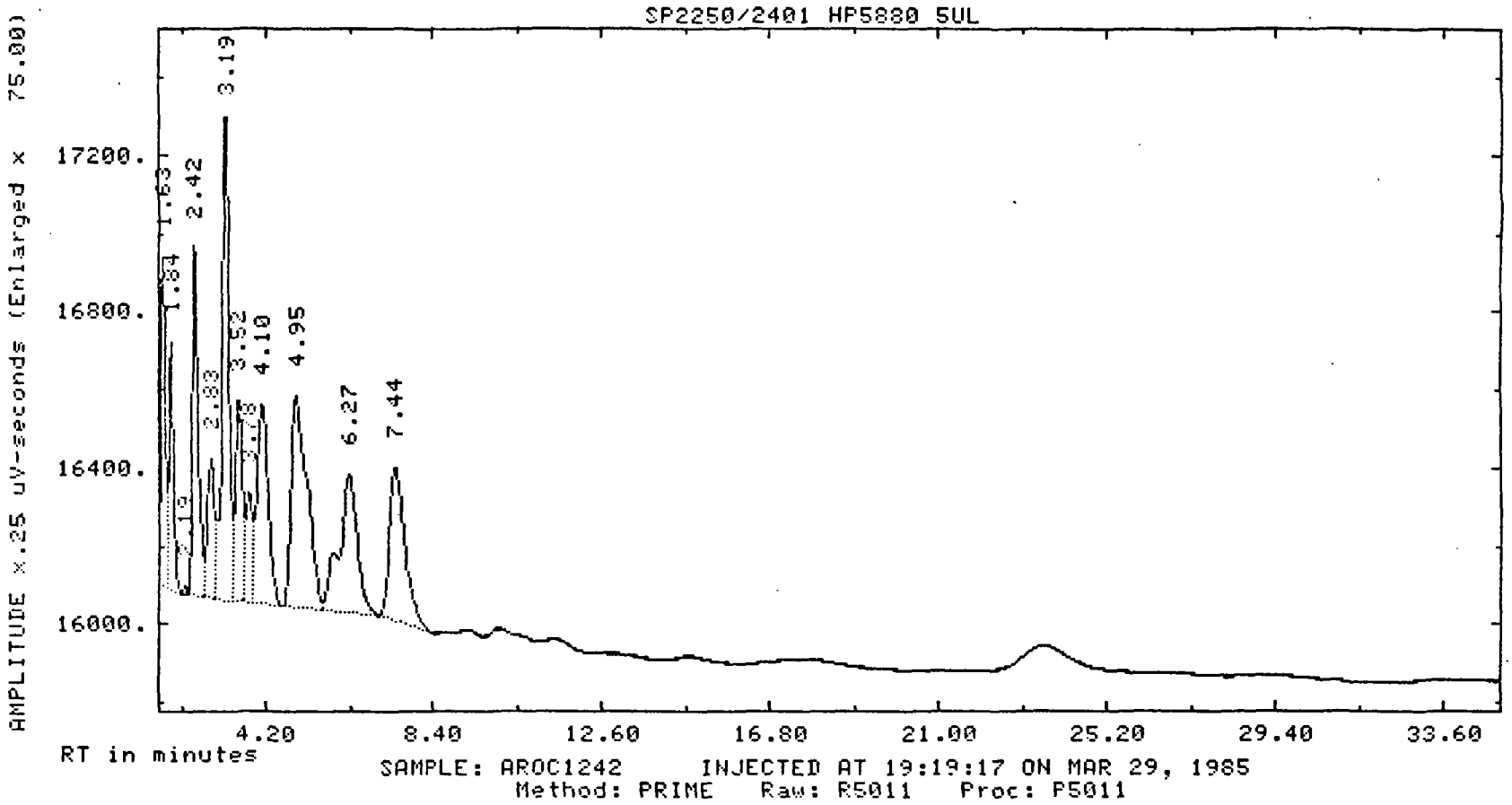
ENDED NOT ON BASELINE

RAW DATA FILE: R5010 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 102

Case 3969



6 of 10

*LI,P,P5011

PROCESSED DATA FILE: P5011 ON CRN 21

Case 3969

APR 2, 1985 11:33:59

REPORT: 107 CHANNEL: 2 # PEAKS: -13 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.16	0.00	1.00000	165	BB	.345	
2	1.63	0.00	1.00000	3524	BV	7.344	
3	1.84	0.00	1.00000	2361	VB	4.921	
4	2.19	0.00	1.00000	55	BV	.114	
5	2.42	0.00	1.00000	4322	VV	9.008	
6	2.83	0.00	1.00000	2291	VV	4.775	
7	3.19	0.00	1.00000	7409	VV	15.442	
8	3.52	0.00	1.00000	3137	VV	6.539	
9	3.78	0.00	1.00000	1539	VV	3.207	
10	4.10	0.00	1.00000	4965	VV	10.347	
11	4.95	0.00	1.00000	7440	VV	15.505	
12	6.27	0.00	1.00000	5595	VB	11.661	
13	7.44	0.00	1.00000	5178	BB	10.792	

TOTAL AREA = 47982 TOTAL AREA % = 100.000

SAMPLE: AROC1242 INJECTED AT 19:19:17 ON MAR 29, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 11 BTL: 11

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%OIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.017 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

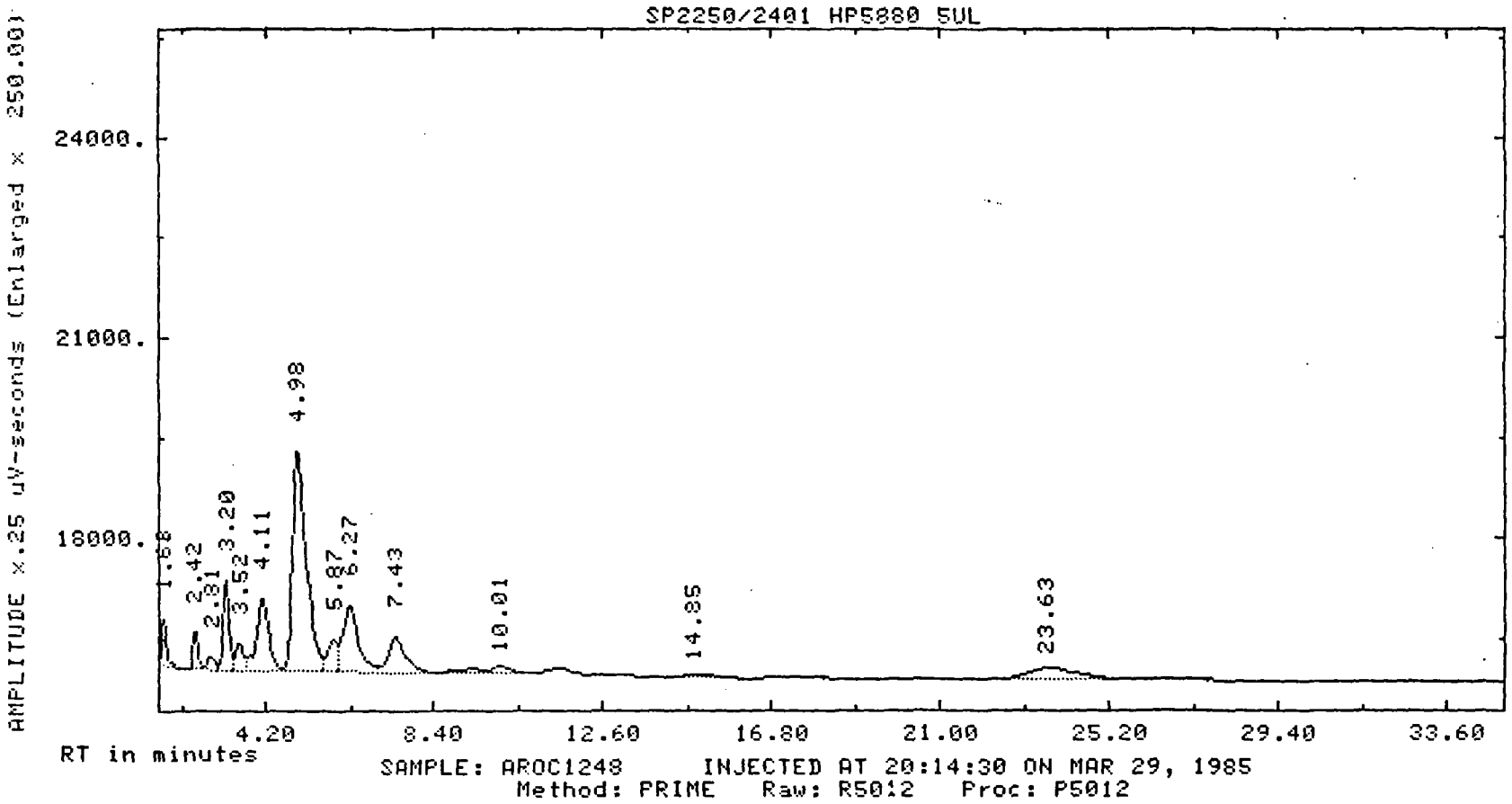
ENDED NOT ON BASELINE

RAW DATA FILE: R5011 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 104

Case 3969


SP2250/2401 HP5880 5UL
AMPLITUDE x.25 uV-seconds (Enlarged x 250.00)
24000.
21000.
18000.
1.68
2.42
2.81
3.20
3.52
4.11
4.98
5.87
6.27
7.43
10.01
14.85
23.63
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: AROC1248 INJECTED AT 20:14:30 ON MAR 29, 1985
Method: PRIME Raw: R5012 Proc: P5012

Case 5167

APR 2, 1985 11:34:32

REPORT: 108 CHANNEL: 2 # PEAKS: -13 SP2250/2401 HPS880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.63	0.00	1.00000	3128	BB	3.005	
2	2.42	0.00	1.00000	2557	BV	2.456	
3	2.81	0.00	1.00000	1322	VV	1.270	
4	3.20	0.00	1.00000	6995	VV	6.720	
5	3.52	0.00	1.00000	2515	VV	2.417	
6	4.11	0.00	1.00000	11483	VV	11.032	
7	4.98	0.00	1.00000	38834	VV	37.307	
8	5.97	0.00	1.00000	4151	VV	3.988	
9	6.27	0.00	1.00000	13597	VV	13.062	
10	7.43	0.00	1.00000	8394	VB	8.064	
11	10.01	0.00	1.00000	3153	BB	3.030	
12	14.85	0.00	1.00000	1162	BB	1.116	
13	23.63	0.00	1.00000	6801	BB	6.534	

TOTAL AREA = 104093 TOTAL AREA % = 100.000

SAMPLE: AROC1248 INJECTED AT 20:14:30 ON MAR 29, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 12 BTL: 12

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.000 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

ENDED NOT ON BASELINE

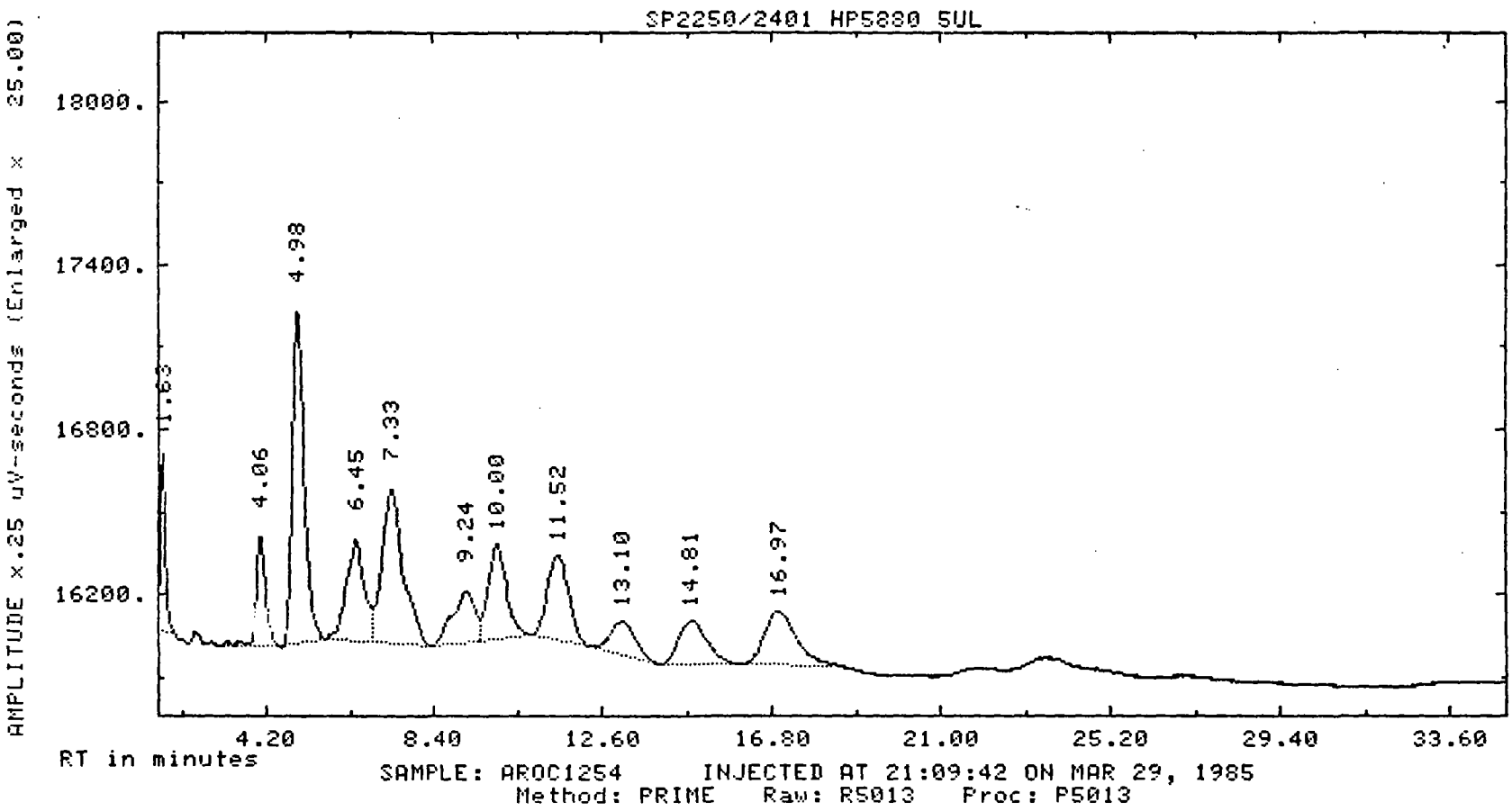
RAW DATA FILE: R5012 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 106

Case 3969

Lot II



*LI,P,P5013

PROCESSED DATA FILE: P5013 ON CRN 21

Case 3969

APR 2, 1985 11:34:58

REPORT: 109 CHANNEL: 2 # PEAKS: -11 SP2250/2401 HP5880 5UL

PEAK	RT	ITM	FACTOR	AREA	AREA %	NAME
1	1.62	0.00	1.00000	2647 BB	4.402	
2	4.06	0.00	1.00000	3273 BB	5.442	
3	4.98	0.00	1.00000	12043 BB	20.026	
4	6.45	0.00	1.00000	5792 BV	9.631	
5	7.33	0.00	1.00000	10429 VV	17.341	
6	9.24	0.00	1.00000	3515 VV	5.844	
7	10.00	0.00	1.00000	5434 VB	9.036	
8	11.52	0.00	1.00000	5580 BB	9.279	
9	13.10	0.00	1.00000	2484 BB	4.131	
10	14.81	0.00	1.00000	3727 BB	6.197	
11	15.97	0.00	1.00000	5215 BB	8.671	

TOTAL AREA = 60140 TOTAL AREA % = 100.000

SAMPLE: AROC1254 INJECTED AT 21:05:42 ON MAR 28, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 13 BTL: 13

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.000 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

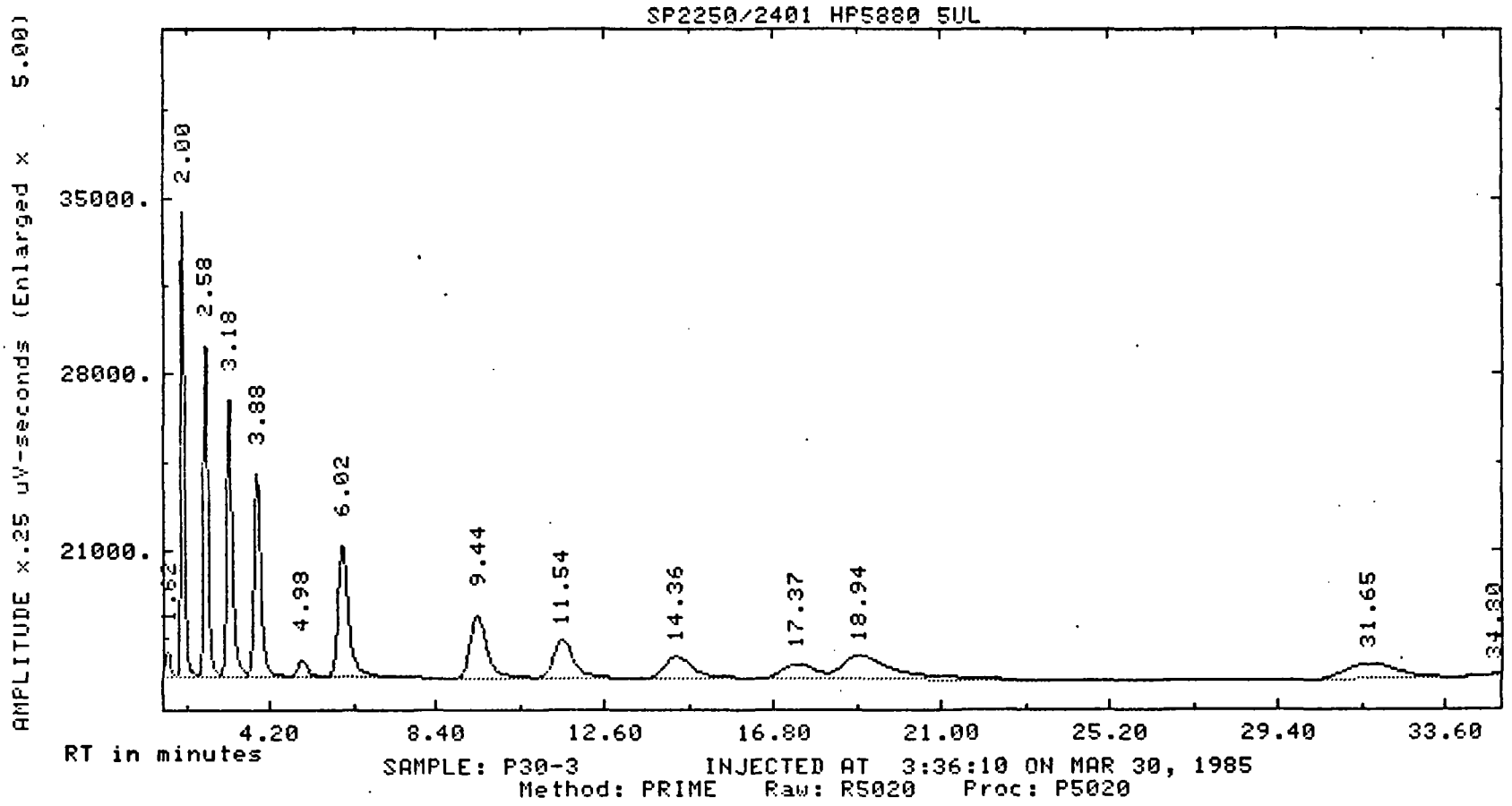
ENDED NOT ON BASELINE

RAW DATA FILE: R5013 PARAM-FILES= METHOD: SEQ:

DONE
READY

IV 108

Case 3969


SP2250/2401 HP5880 5UL
AMPLITUDE x.25 uV-seconds (Enlarged x 5.00)
35000.
28000.
21000.
2.00
2.58
3.18
3.88
4.98
6.02
9.44
11.54
14.36
17.37
18.94
31.65
34.30
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: P30-3 INJECTED AT 3:36:10 ON MAR 30, 1985
Method: PRIME Raw: R5020 Proc: P5020

PROCESSED DATA FILE: P5020 ON CRN 21

Case 3969

APR 2, 1985 11:36:17

REPORT: 116 CHANNEL: 2 # PEAKS: -15 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.17	0.00	1.00000	124	BB	.028	
2	1.62	0.00	1.00000	4159	BV	.940	
3	2.00	0.00	1.00000	58641	VV	13.249	α-BHC
4	2.58	0.00	1.00000	52501	VV	11.862	δ-BHC
5	3.18	0.00	1.00000	56591	VV	12.786	Heptachlor
6	3.88	0.00	1.00000	46821	VB	10.579	Aldrin
7	4.98	0.00	1.00000	5937	BB	1.341	
8	6.02	0.00	1.00000	49083	BB	11.090	Heptachlor Epoxide
9	9.44	0.00	1.00000	36966	BV	8.352	Dieldrin
10	11.54	0.00	1.00000	26393	VB	5.963	Endrin
11	14.36	0.00	1.00000	21529	BB	4.864	pp'-DDD
12	17.37	0.00	1.00000	16141	BV	3.647	pp'-DDT
13	18.94	0.00	1.00000	41256	VB	9.321	Endrin Aldehyde
14	31.65	0.00	1.00000	25555	BV	5.774	Endrin Ketone
15	34.80	0.00	1.00000	897	VF	.203	Methoxychlor

TOTAL AREA = 442596 TOTAL AREA % = 100.000

SAMPLE: P30-3 INJECTED AT 3:36:10 ON MAR 30, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 20 BTL: 20

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.008 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

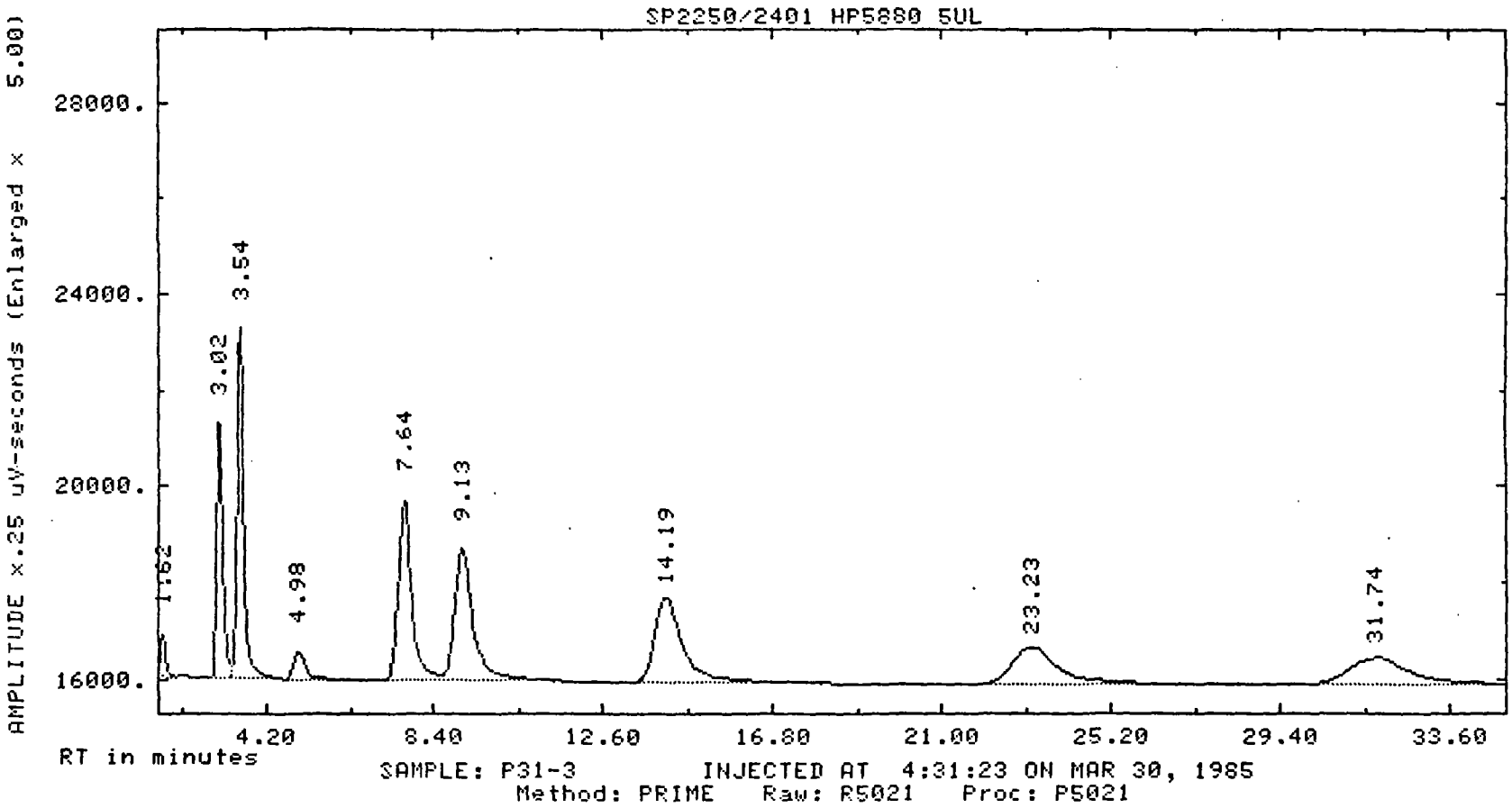
ENDED NOT ON BASELINE

RAW DATA FILE: R5020 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 110

Case 3969


SP2250/2401 HP5880 5UL
AMPLITUDE x.25 uV-seconds (Enlarged x 5.00)
28000.
24000.
20000.
16000.
1.62
3.02
3.54
4.98
7.64
9.13
14.19
23.23
31.74
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: P31-3 INJECTED AT 4:31:23 ON MAR 30, 1985
Method: PRIME Raw: R5021 Proc: P5021

PROCESSED DATA FILE: P5021 ON CRN 21 Case 3969

APR 2, 1985 11:36:45

REPORT: 117 CHANNEL: 2 # PEAKS: -10 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.19	0.00	1.00000	161	BB	.061	
2	1.62	0.00	1.00000	3486	BB	1.315	
3	3.02	0.00	1.00000	27876	BV	10.513	β-BHC
4	3.54	0.00	1.00000	40736	VB	15.362	δ-BHC
5	4.98	0.00	1.00000	5087	BB	1.919	
6	7.64	0.00	1.00000	45521	BV	17.167	Endosulfan I
7	9.13	0.00	1.00000	42974	VB	16.206	pp'-DDE
8	14.19	0.00	1.00000	40440	BB	15.251	Endosulfan II
9	23.23	0.00	1.00000	29630	BB	11.174	Endosulfan Sulfate
10	31.74	0.00	1.00000	29253	BF	11.032	Dibutylchlorendate

TOTAL AREA = 265164 TOTAL AREA % = 100.000

SAMPLE: P31-3 INJECTED AT 4:31:23 ON MAR 30, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 21 BTL: 21

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.008 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

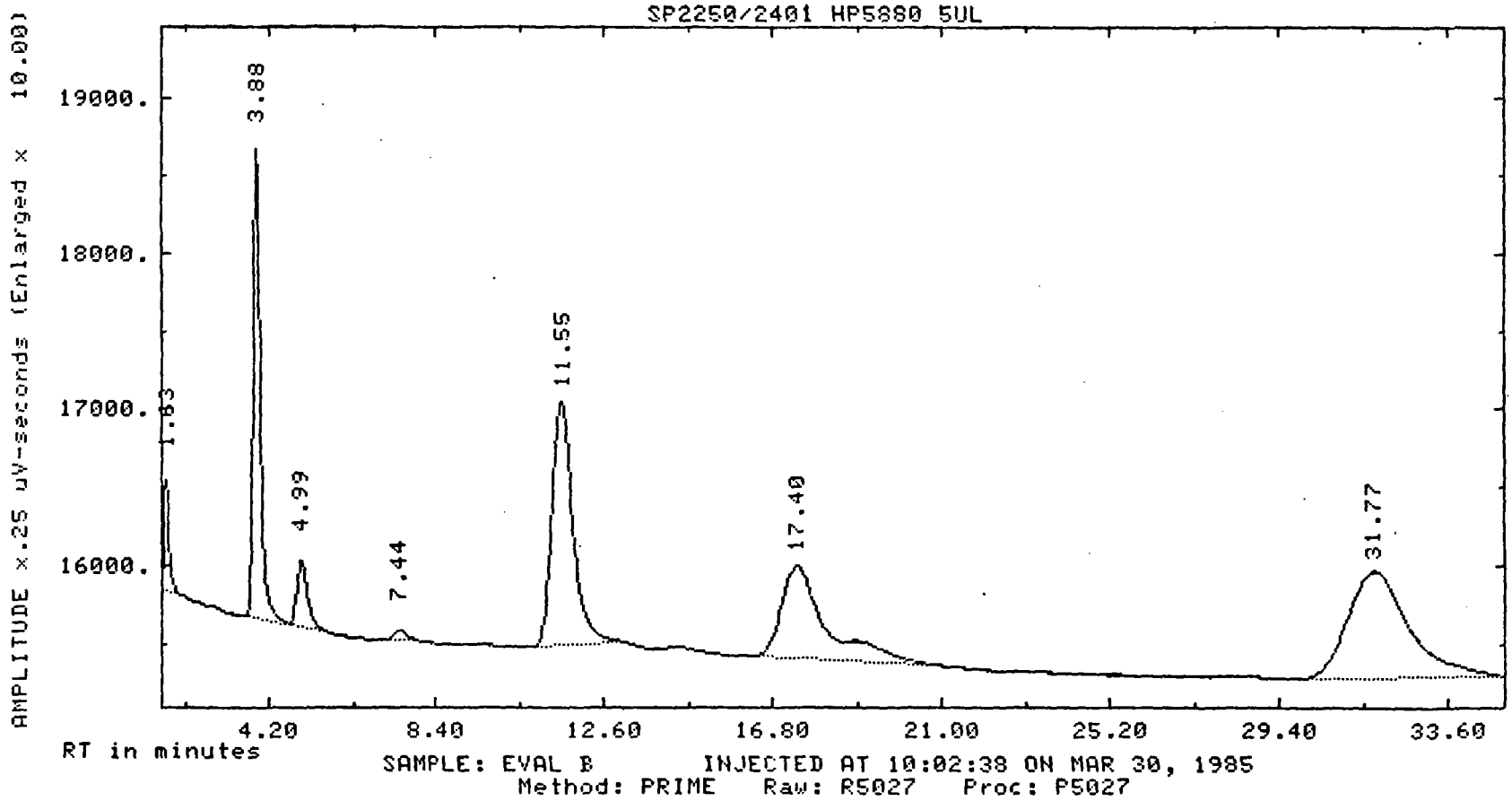
ENDED NOT ON BASELINE

RAW DATA FILE: R5021 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 112

Case 3969

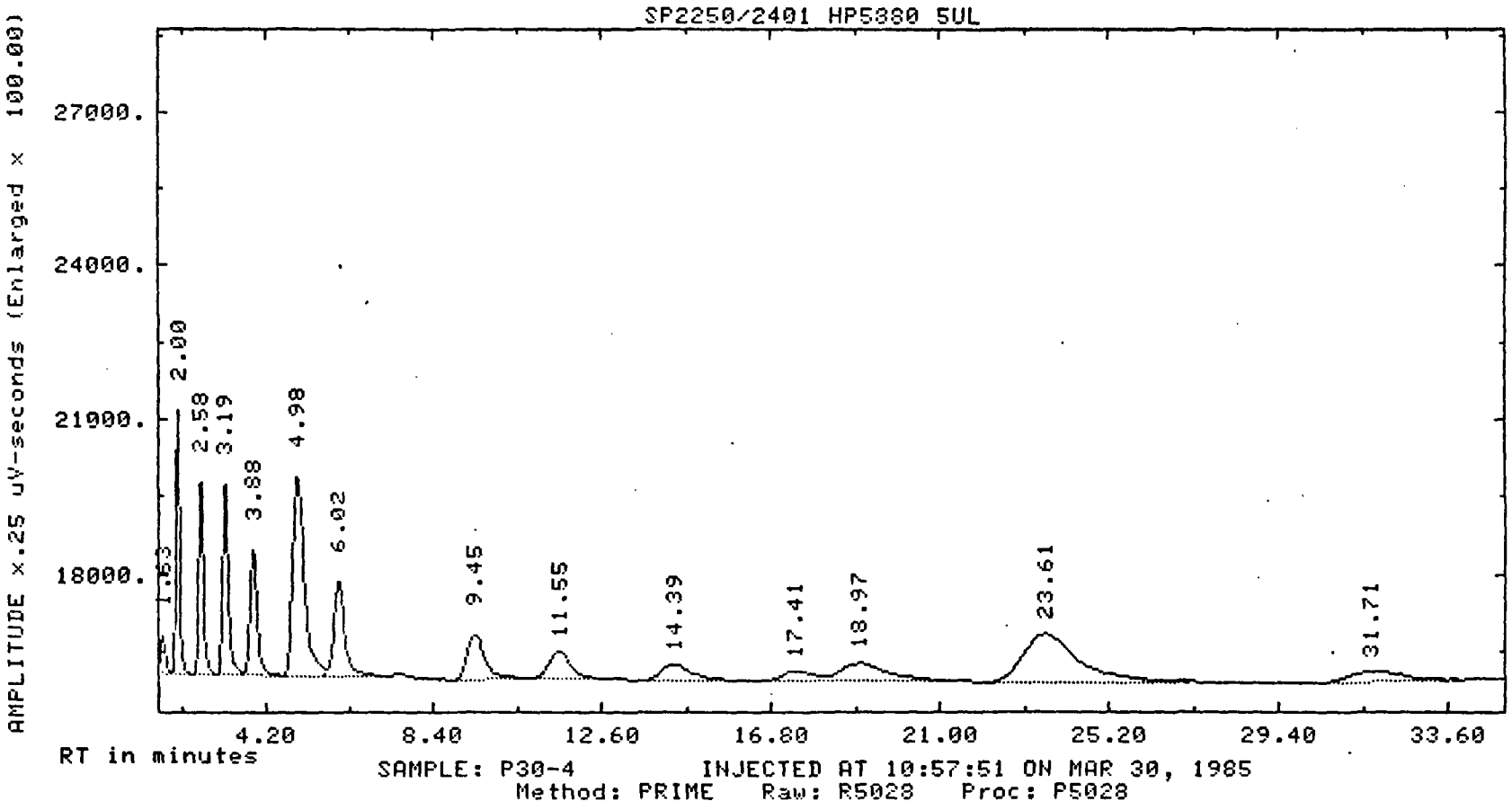

SP2250/2401 HP5880 5UL
AMPLITUDE x.25 uV-seconds (Enlarged x 10.00)
19000.
18000.
17000.
16000.
1.83
3.88
4.99
7.44
11.55
17.40
31.77
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: EVAL B INJECTED AT 10:02:38 ON MAR 30, 1985
Method: PRIME Raw: R5027 Proc: P5027

Case 3969

```
*LI,P,P5027

PROCESSED DATA FILE: P5027  ON CRN 21

APR  2, 1985   11:41:41

REPORT:   123     CHANNEL:  2 # PEAKS:    -7  SP2250/2401 HPS880 SUL

PEAK    RT     ITM     FACTOR      AREA       AREA %       NAME

   1   1.63    0.00   1.00000      2897 BB    2.588
   2   3.88    0.00   1.00000     18264 BB   16.319  Aldrin
   3   4.99    0.00   1.00000      3858 BB    3.447
   4   7.44    0.00   1.00000       603 BB     .539
   5  11.55    0.00   1.00000     27537 BB   24.693  Endrin
   6  17.40    0.00   1.00000     22413 BB   20.026  pp'-DDT
   7  31.77    0.00   1.00000     36248 BF   32.387  Dibutylchlorendate

TOTAL AREA =       111920    TOTAL AREA % =    100.000

SAMPLE: EVAL B         INJECTED AT  10:02:38 ON MAR 30, 1985

ZERO METHOD: PRIME    SEQ: SM03    SUBSQ/SAMP:  1 / 27   BTL: 27

SL-WDTH    MV/MIN    DELAY    MIN-AR    BUNCH    REPORT
   .500      .300     1.00        50    AUTO     MEDIUM

SUP-UNK     DVT     ID-LVL   REF-RTW    %RTW   %DIL-F   ISO
  NO        0.00         0       .30     5.0   100.00   NO

ACTUAL RUN TIME:  40.008 MINUTES

RF-UNK:   1.00000   STD-AMT:     1.0000    SAMP-AMT:     1.0000

ENDED NOT ON BASELINE

RAW DATA FILE: R5027   PARAM FILES= METHOD:            SEQ:

DONE
READY
```

IV 114

Case 3969



SII II

*LI,P,P5028

PROCESSED DATA FILE: P5028 ON CRN 21

Case 3969

APR 2, 1985 11:42:03

REPORT: 124 CHANNEL: 2 # PEAKS: -14 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.63	0.00	1.00000	2942	BV	1.293	
2	2.00	0.00	1.00000	15626	VB	6.866	α-BHC
3	2.58	0.00	1.00000	14940	BV	6.565	σ-BHC
4	3.19	0.00	1.00000	19275	VV	8.470	Heptachlor
5	3.86	0.00	1.00000	15071	VB	6.622	Aldrin
6	4.98	0.00	1.00000	39524	BV	17.368	
7	6.02	0.00	1.00000	18397	VB	8.084	Heptachlor Epoxide
8	9.45	0.00	1.00000	12649	BB	5.559	Dieldrin
9	11.55	0.00	1.00000	9572	BB	4.206	Endrin
10	14.39	0.00	1.00000	7585	BB	3.333	PP'-DDD
11	17.41	0.00	1.00000	5538	BV	2.434	PP'-DDT
12	18.97	0.00	1.00000	14146	VB	6.216	Endrin Aldehyde
13	23.61	0.00	1.00000	43489	BB	19.110	
14	31.71	0.00	1.00000	8819	BB	3.875	Endrin Ketone

TOTAL AREA = 227575 TOTAL AREA % = 100.000

SAMPLE: P30-4 INJECTED AT 10:57:51 ON MAR 30, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 28 BTL: 28

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.00 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

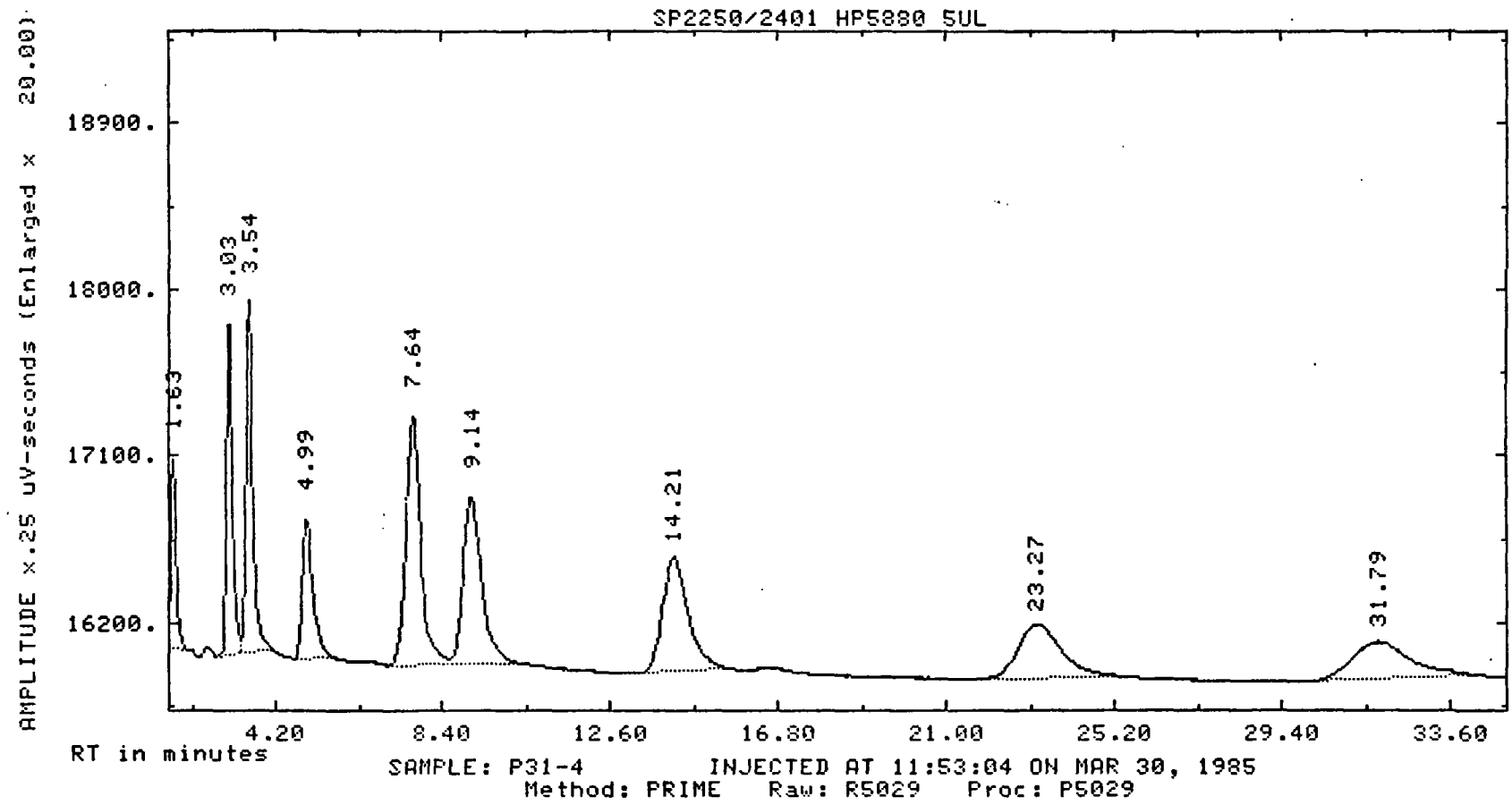
ENDED NOT ON BASELINE

RAW DATA FILE: R5028 PARAM FILES- METHOD: SEQ:

DONE
READY

IV 116

Case 3969


SP2250/2401 HP5880 5UL
AMPLITUDE x.25 uV-seconds (Enlarged x 20.00)
18900.
18000.
17100.
16200.
1.63
3.03
3.54
4.99
7.64
9.14
14.21
23.27
31.79
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: P31-4 INJECTED AT 11:53:04 ON MAR 30, 1985
Method: PRIME Raw: R5029 Proc: P5029

Case 3969

```
*LI,P,P5029

PROCESSED DATA FILE: P5029  ON CRN 21

APR  2, 1985   11:42:28

REPORT:   125     CHANNEL:  2 # PEAKS:   -10  SP2250/2401 HPES80 SUL

PEAK     RT     ITM      FACTOR      AREA        AREA %       NAME

   1   1.18    0.00   1.00000        244 BB     .246
   2   1.63    0.00   1.00000       4559 BB    4.598
   3   3.03    0.00   1.00000       9380 BV    9.459  B-BHC
   4   3.54    0.00   1.00000      11050 VB   11.142  δ-BHC
   5   4.99    0.00   1.00000       7125 BB    7.185
   6   7.64    0.00   1.00000      17528 BV   17.776  Endosulfan I
   7   9.14    0.00   1.00000      14432 VB   14.553  pp'-DDE
   8  14.21    0.00   1.00000      13892 BB   14.009  Endosulfan II
   9  23.27    0.00   1.00000      10735 BB   10.825  Endosulfan Sulfate
  10  31.79    0.00   1.00000      10120 BB   10.206  Dibutylchlorendate

TOTAL AREA =        99167    TOTAL AREA % =    100.000

SAMPLE: P31-4          INJECTED AT  11:53:04 ON MAR 30, 1985

ZERO METHOD: PRIME    SEQ: SM03    SUBSQ/SAMP:  1 / 29   BTL: 29

SL-WDTH    MV/MIN    DELAY    MIN-AR    BUNCH    REPORT
   .500      .300     1.00        50    AUTO     MEDIUM

SUP-UNK     DVT     ID-LVL   REF-RTW    %RTW   %DIL-F   ISO
  NO        0.00         0       .30     5.0   100.00   NO

ACTUAL RUN TIME:  40.025 MINUTES

RF-UNK:   1.00000   STD-AMT:     1.0000    SAMP-AMT:     1.0000

ENDED NOT ON BASELINE

RAW DATA FILE: R5029   PARAM FILES= METHOD:            SEQ:

DONE
READY
```

IV 118

Case 3969

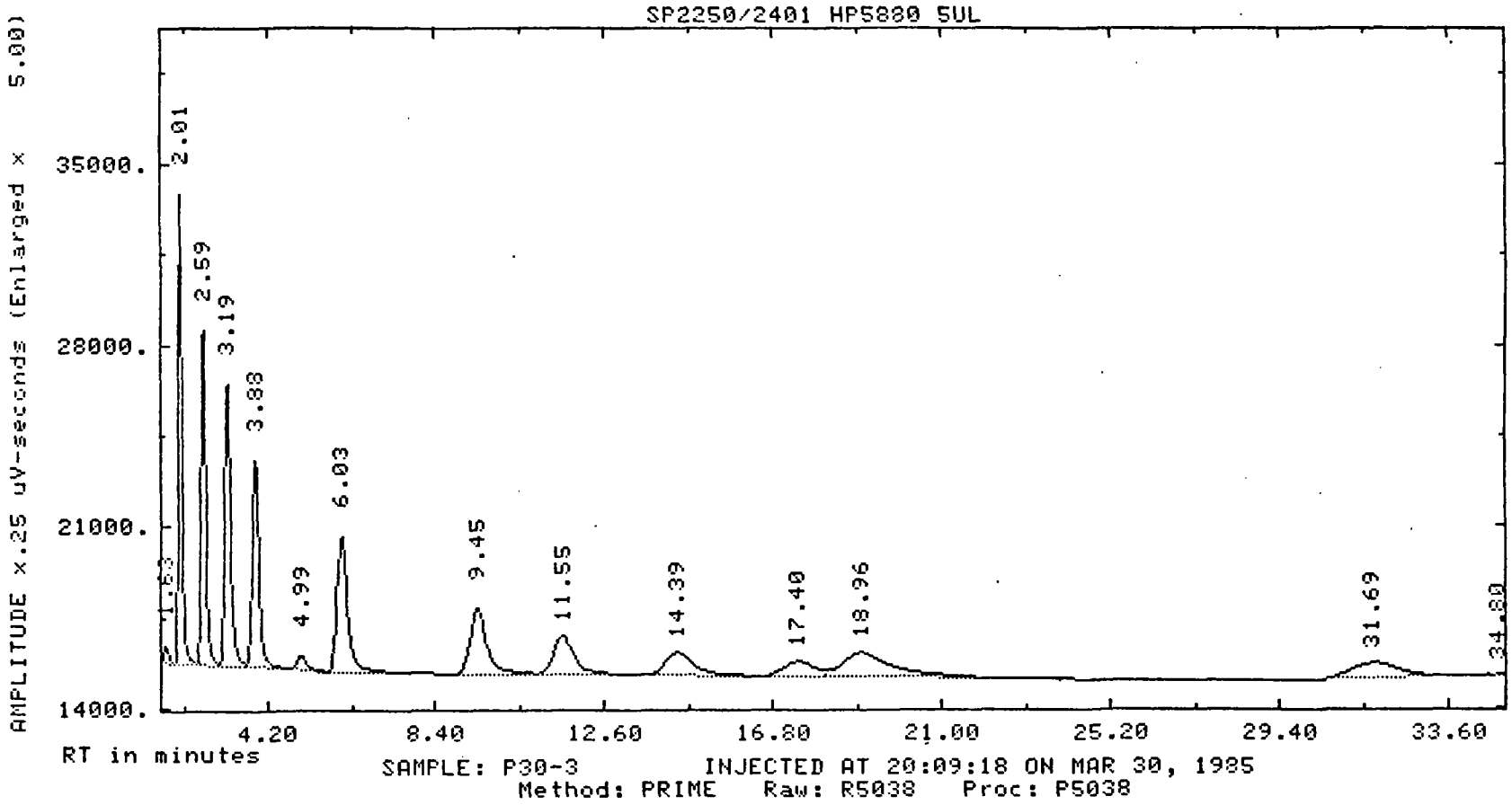


FIG 11

*LI,P,P5038

Case 3969

PROCESSED DATA FILE: P5038 ON CRN 21

APR 2, 1985 11:44:42

REPORT: 134 CHANNEL: 2 # PEAKS: -14 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA	AREA %	NAME
1	1.63	0.00	1.00000	2694 BV	.609	
2	2.01	0.00	1.00000	59135 VV	13.370	α-BHC
3	2.59	0.00	1.00000	52781 VV	11.933	γ-BHC
4	3.19	0.00	1.00000	56352 VV	12.740	Heptachlor
5	3.88	0.00	1.00000	46994 VB	10.625	Aldrin
6	4.99	0.00	1.00000	4682 BB	1.059	
7	6.03	0.00	1.00000	48785 BB	11.025	Heptachlor Epoxide
8	9.45	0.00	1.00000	37530 BV	8.485	O.eldrin
9	11.55	0.00	1.00000	26867 VB	6.074	Endrin
10	14.39	0.00	1.00000	22056 BB	4.987	pp'-DDD
11	17.40	0.00	1.00000	16438 BV	3.718	pp'-DDT
12	18.96	0.00	1.00000	41799 VB	9.450	EndrinAldehyde
13	31.69	0.00	1.00000	25533 BV	5.773	Endrin Ketone
14	34.80	0.00	1.00000	685 VF	.155	Methoxychlor

TOTAL AREA = 442312 TOTAL AREA % = 100.000

SAMPLE: P30-3 INJECTED AT 20:09:18 ON MAR 30, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 38 BTL: 38

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.008 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

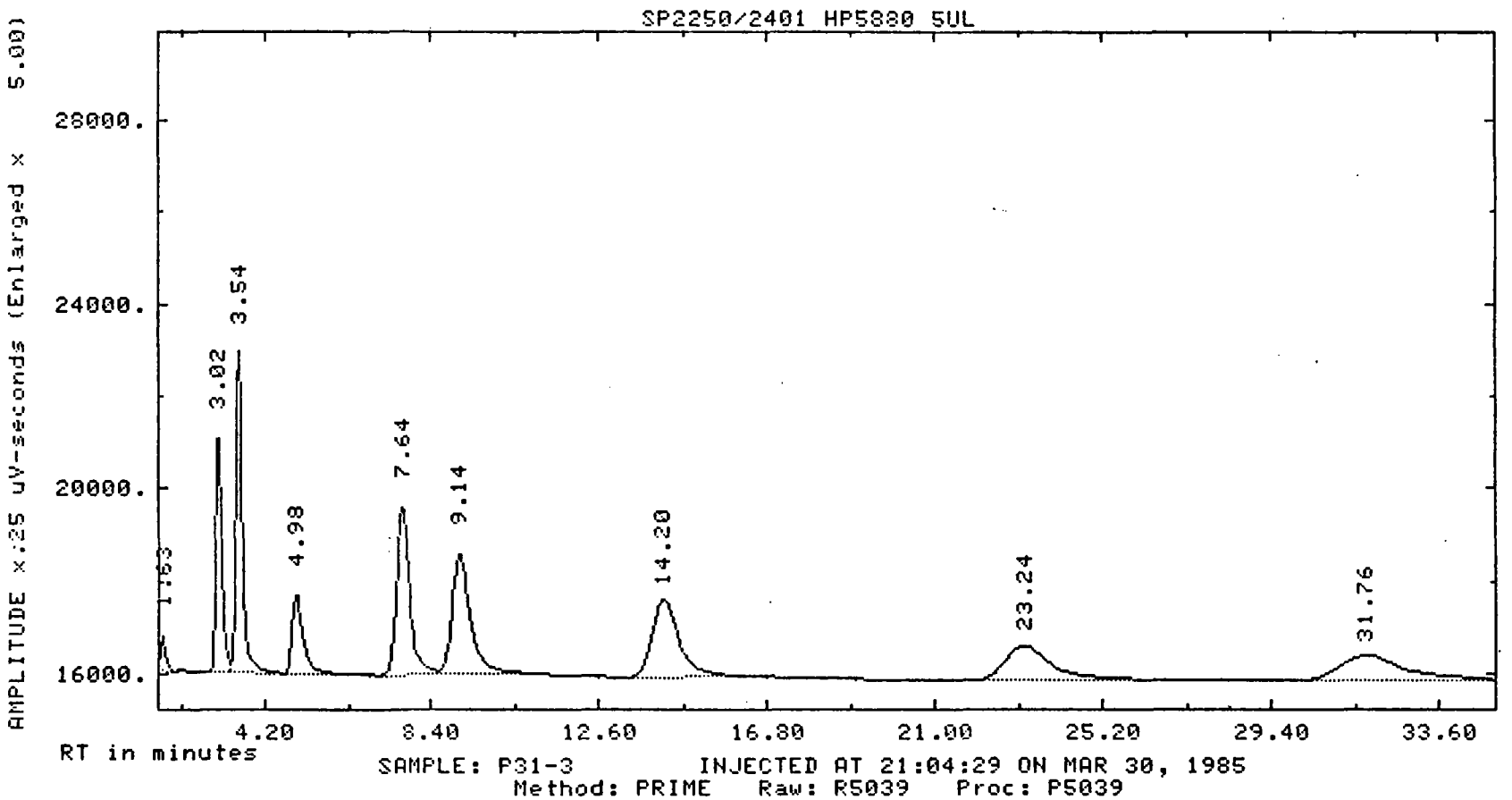
ENDED NOT ON BASELINE

RAW DATA FILE: R5038 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 120

Case 3969


SP2250/2401 HP5880 5UL
AMPLITUDE x.25 uV-seconds (Enlarged x 5.00)
28000.
24000.
20000.
16000.
1.63
3.02
3.54
4.98
7.64
9.14
14.20
23.24
31.76
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: P31-3 INJECTED AT 21:04:29 ON MAR 30, 1985
Method: PRIME Raw: R5039 Proc: P5039

*LI,P,P5039

PROCESSED DATA FILE: P5039 ON CRN 21

Case 3969

APR 2, 1985 11:45:07

REPORT: 135 CHANNEL: 2 # PEAKS: -10 SP2250/2401 HP5890 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.19	0.00	1.00000	183	BB	.068	
2	1.63	0.00	1.00000	3207	BB	1.195	
3	3.02	0.00	1.00000	26840	BV	10.001	β-BHC
4	3.54	0.00	1.00000	38950	VB	14.514	δ-BHC
5	4.98	0.00	1.00000	16417	BB	6.117	
6	7.54	0.00	1.00000	44101	BV	16.433	Endosulfan I
7	9.14	0.00	1.00000	41152	VB	15.334	pp'-DDE
8	14.20	0.00	1.00000	38997	BB	14.531	Endosulfan II
9	23.24	0.00	1.00000	28871	BB	10.758	Endosulfan Sulfate
10	31.76	0.00	1.00000	29553	BF	11.049	Dibutylchlorendate

TOTAL AREA = 268371 TOTAL AREA % = 100.000

SAMPLE: P31-3 INJECTED AT 21:04:29 ON MAR 30, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 39 BTL: 39

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.017 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

ENDED NOT ON BASELINE

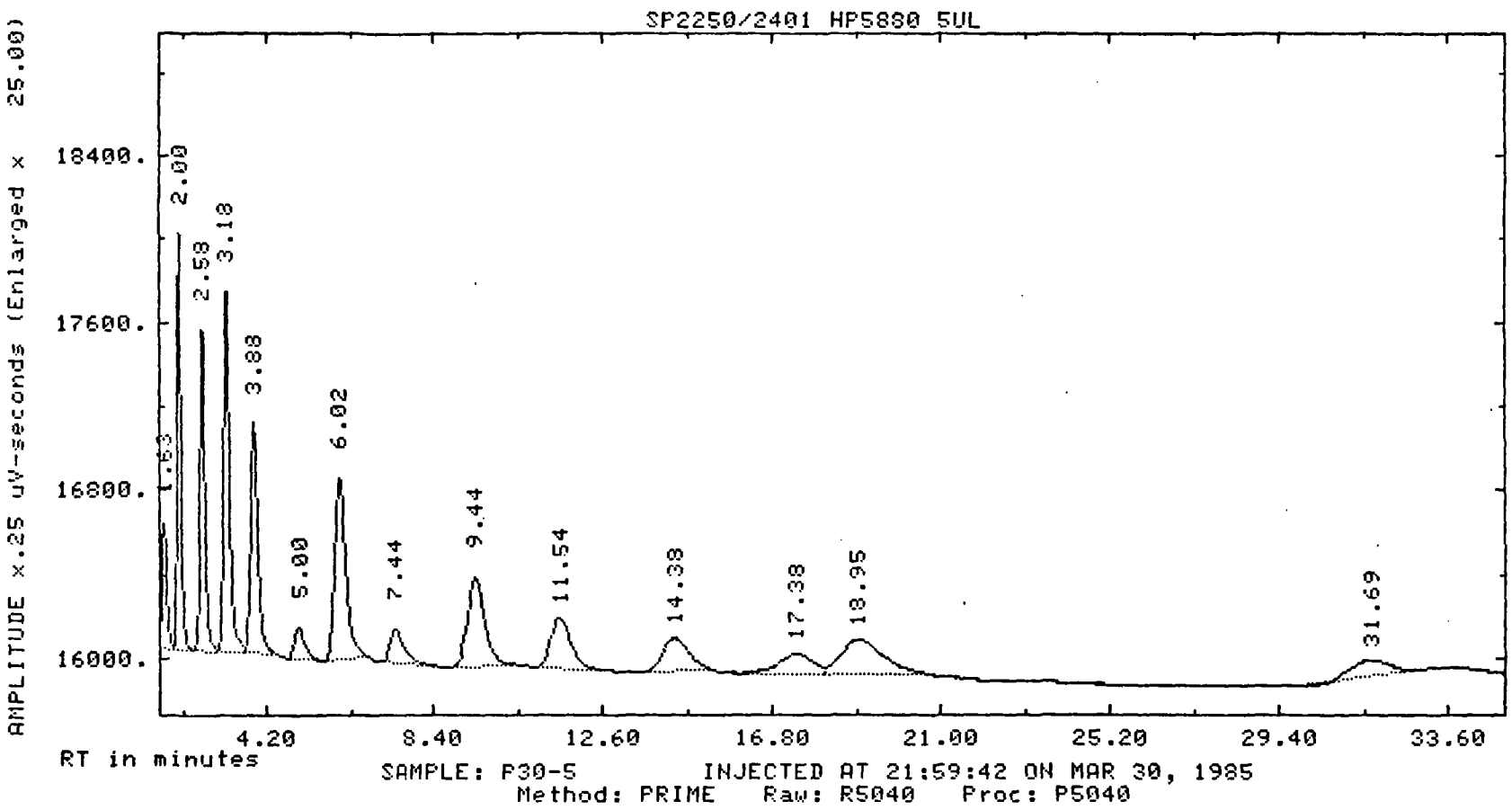
RAW DATA FILE: R5039 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 122

A1.

Case 3969



EEI RT

*LI,P,P5040

Case 3969

PROCESSED DATA FILE: P5040 ON CRN 21

APR 2, 1985 11:45:31

REPORT: 136 CHANNEL: 2 # PEAKS: -15 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.17	0.00	1.00000	138	BB	.203	
2	1.63	0.00	1.00000	2466	BV	3.640	
3	2.00	0.00	1.00000	6395	VB	9.442	α-BHC
4	2.58	0.00	1.00000	6430	BV	9.494	γ-BHC
5	3.18	0.00	1.00000	9219	VV	13.611	Heptachlor
6	3.88	0.00	1.00000	6961	VB	10.277	Aldrin
7	5.00	0.00	1.00000	1236	BB	1.825	
8	6.02	0.00	1.00000	8180	BB	12.077	Heptachlor Epoxide
9	7.44	0.00	1.00000	2037	BB	3.007	
10	9.44	0.00	1.00000	6132	BB	9.054	Dieldrin
11	11.54	0.00	1.00000	4055	BB	5.986	Endrin
12	14.38	0.00	1.00000	3592	BB	5.304	pp'-DDD
13	17.38	0.00	1.00000	2723	BV	4.021	pp'-DDT
14	18.95	0.00	1.00000	5728	VB	8.457	Endrin Aldehyde
15	31.69	0.00	1.00000	2440	BB	3.602	Endrin Ketone

TOTAL AREA = 67732 TOTAL AREA % = 100.000

SAMPLE: P30-5 INJECTED AT 21:59:42 ON MAR 30, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 40 BTL: 40

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.017 MINUTES

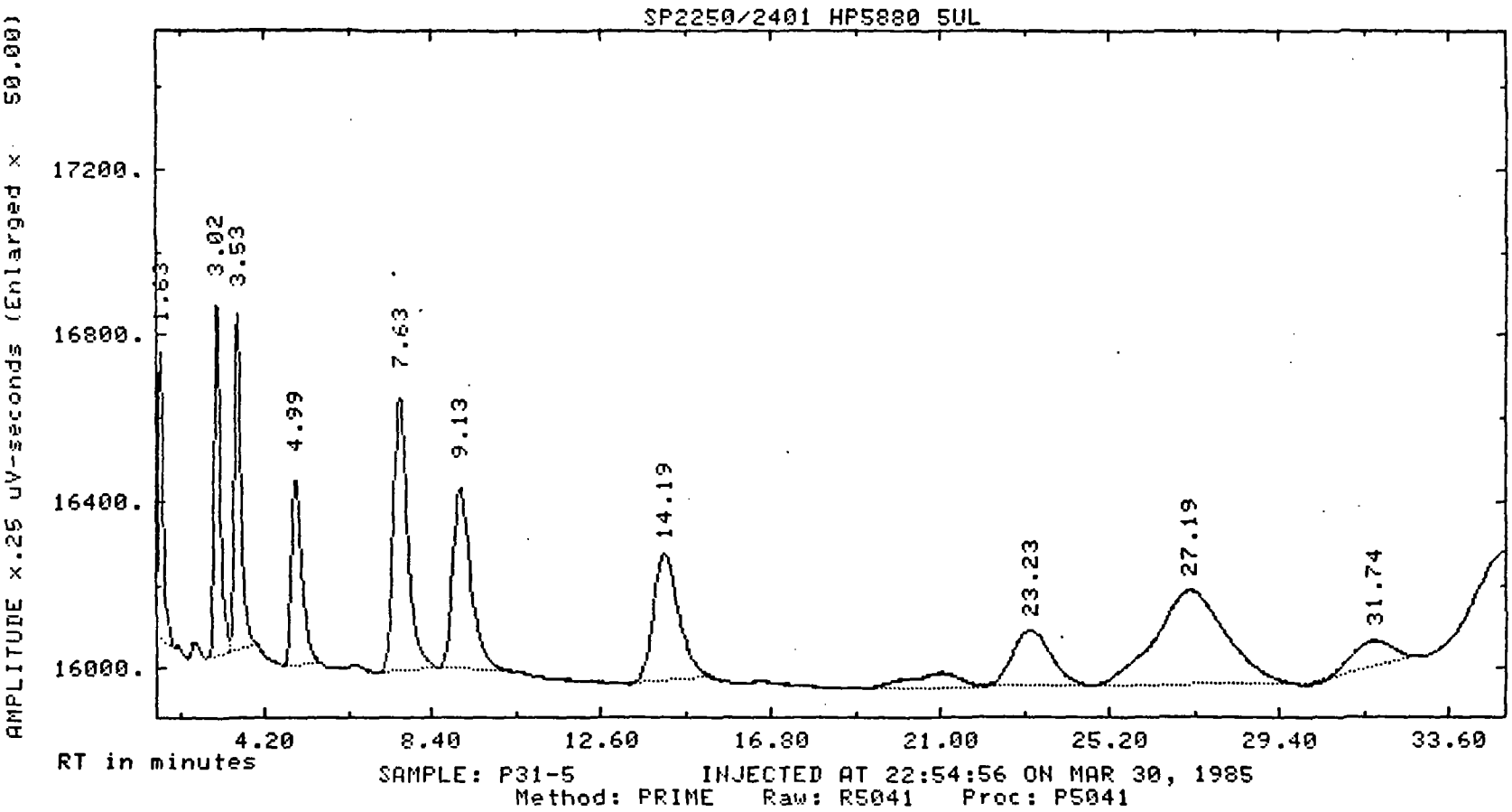
RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

ENDED NOT ON BASELINE

RAW DATA FILE: R5040 PARAM FILES= METHOD: SEQ:

DONE
READY

Case 3969



IV

121

*LI,P,P5041

PROCESSED DATA FILE: P5041 ON CRN 21

Case 3969

APR 2, 1985 11:45:58

REPORT: 137 CHANNEL: 2 # PEAKS: -11 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.17	0.00	1.00000	147	BB	.247	
2	1.63	0.00	1.00000	2932	BB	4.936	
3	3.02	0.00	1.00000	4438	BV	7.470	β-BHC
4	3.53	0.00	1.00000	4760	VB	8.012	δ-BHC
5	4.99	0.00	1.00000	4008	BB	6.747	
6	7.63	0.00	1.00000	8465	BB	14.249	Endosulfan I
7	9.13	0.00	1.00000	6669	BB	11.226	pp'-DDE
8	14.19	0.00	1.00000	6661	BB	11.214	Endosulfan II
9	23.23	0.00	1.00000	5750	BB	9.679	Endosulfan Sulfate
10	27.19	0.00	1.00000	13443	BB	22.630	
11	31.74	0.00	1.00000	2133	BB	3.591	Dibutylchlorendate

TOTAL AREA = 59405 TOTAL AREA % = 100.000

SAMPLE: P31-5 INJECTED AT 22:54:56 ON MAR 30, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 41 BTL: 41

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.017 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

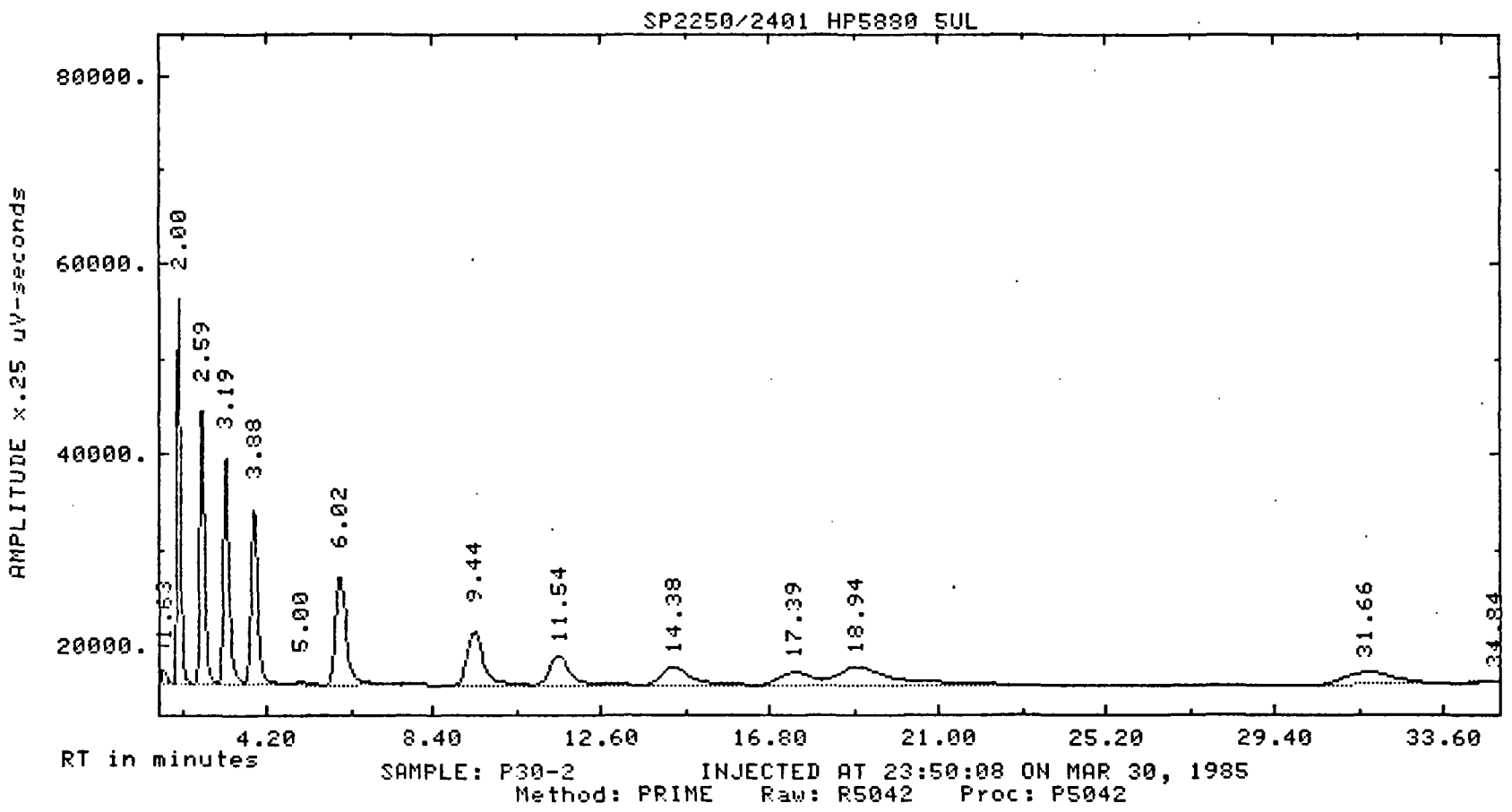
ENDED NOT ON BASELINE

RAW DATA FILE: R5041 PARAM FILES= METHOD: SEQ:

DONE
READY

JV 1'26

Case 3969


SP2250/2401 HP5880 5UL
AMPLITUDE x.25 uV-seconds
80000.
60000.
40000.
20000.
2.00
2.59
3.19
3.88
5.00
6.02
9.44
11.54
14.38
17.39
18.94
31.66
34.84
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: P30-2 INJECTED AT 23:50:08 ON MAR 30, 1985
Method: PRIME Raw: R5042 Proc: P5042

*LI,P,P5042

PROCESSED DATA FILE: P5042 ON CRN 21

Case 3969

APR 2, 1985 11:46:24

REPORT: 138 CHANNEL: 2 # PEAKS: -17 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.04	0.00	1.00000	71	BV	.007	
2	1.16	0.00	1.00000	195	VB	.019	
3	1.63	0.00	1.00000	7058	BV	.695	
4	2.00	0.00	1.00000	135844	VV	13.372	α-BHC
5	2.59	0.00	1.00000	120828	VV	11.894	β-BHC
6	3.19	0.00	1.00000	122525	VV	12.061	Heptachlor
7	3.88	0.00	1.00000	108283	VB	10.659	Aldrin
8	5.00	0.00	1.00000	2903	BB	.286	
9	6.02	0.00	1.00000	105975	BB	10.432	Heptachlor Epoxide
10	9.44	0.00	1.00000	79763	BV	7.852	Dieldrin
11	11.54	0.00	1.00000	54547	VB	5.370	Endrin
12	14.38	0.00	1.00000	47456	BV	4.672	pp'-DDD
13	17.39	0.00	1.00000	37455	VV	3.687	pp'-DDT
14	18.94	0.00	1.00000	87914	VB	8.654	Endrin Aldehyde
15	31.66	0.00	1.00000	54205	BV	5.336	Endrin Ketone
16	34.84	0.00	1.00000	2142	VB	.211	Methoxychlor
17	39.30	0.00	1.00000	48705	BF	4.794	

TOTAL AREA = 1015870 TOTAL AREA % = 100.000

SAMPLE: P30-2 INJECTED AT 23:50:03 ON MAR 30, 1985

ZERO METHOD: PRIME SEQ: SN03 SUBSQ/SAMP: 1 / 42 BTL: 42

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.017 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

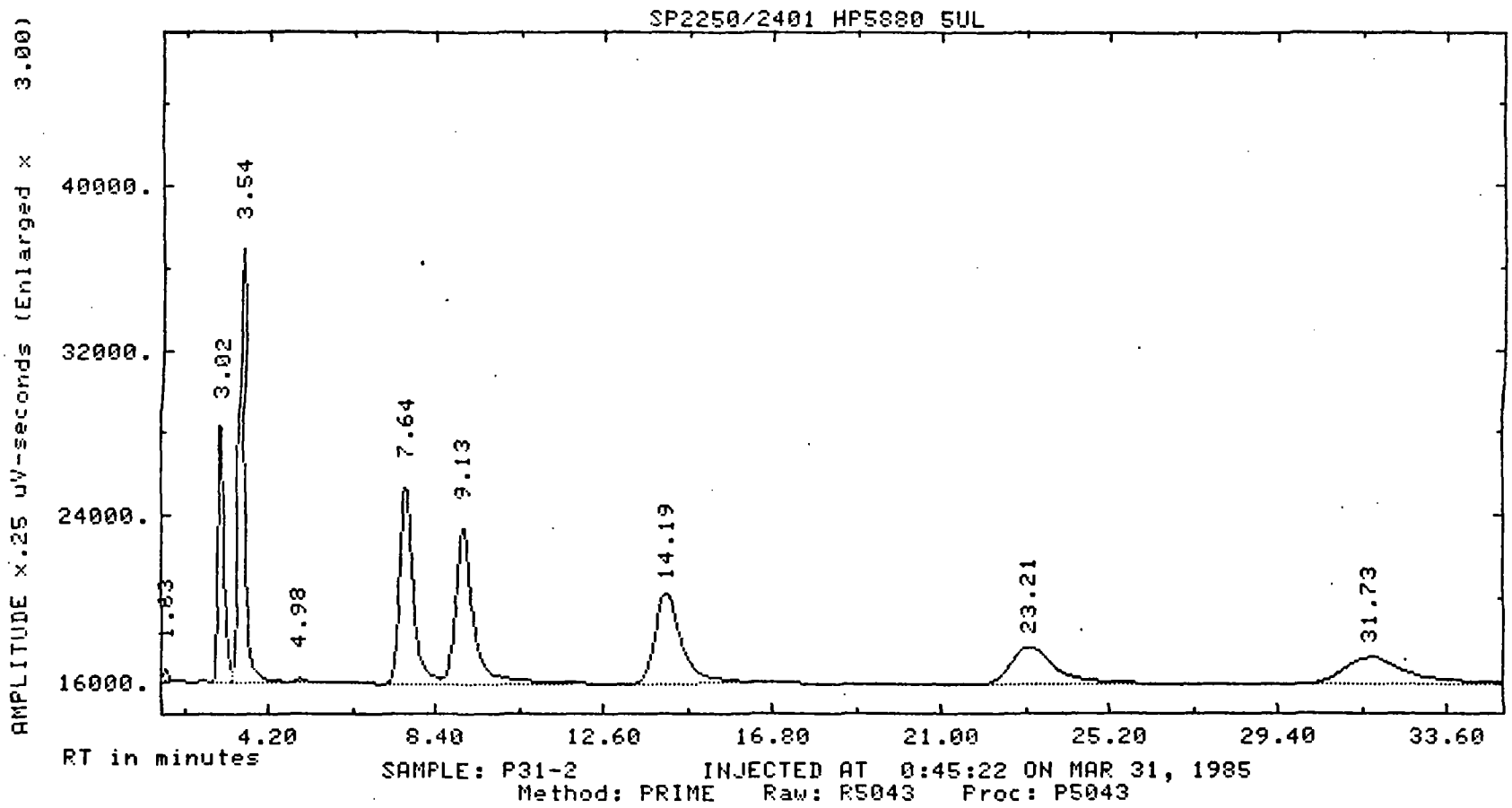
ENDED NOT ON BASELINE

RAW DATA FILE: R5042 PARAM FILES= METHOD: SEQ:

DONE
READY

IV-128

Case 3969


SP2250/2401 HP5880 SUL
AMPLITUDE x.25 uV-seconds (Enlarged x 3.00)
40000.
32000.
24000.
16000.
1.83
3.02
3.54
4.98
7.64
9.13
14.19
23.21
31.73
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: P31-2 INJECTED AT 0:45:22 ON MAR 31, 1985
Method: PRIME Raw: R5043 Proc: P5043

*LI,P,P5043

Case 3969

PROCESSED DATA FILE: P5043 ON CRN 21

APR 2, 1985 11:46:55

REPORT: 139 CHANNEL: 2 # PEAKS: -10 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.20	0.00	1.00000	483	BB	.075	
2	1.63	0.00	1.00000	2349	BB	.359	
3	3.02	0.00	1.00000	66227	BV	10.121	B-BHC
4	3.54	0.00	1.00000	118794	VB	18.154	δ-BHC
5	4.98	0.00	1.00000	1605	BB	.245	
6	7.64	0.00	1.00000	111300	BV	17.008	Endosulfan I
7	9.13	0.00	1.00000	115391	VB	17.634	PP'-DDE
8	14.19	0.00	1.00000	100621	BB	15.377	Endosulfan II
9	23.21	0.00	1.00000	70727	BB	10.809	
10	31.73	0.00	1.00300	66880	BF	10.220	Dibutylchlorendate

TOTAL AREA = 654383 TOTAL AREA % = 100.000

SAMPLE: P31-2 INJECTED AT 0:45:22 ON MAR 31, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 43 BTL: 43

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.017 MINUTES

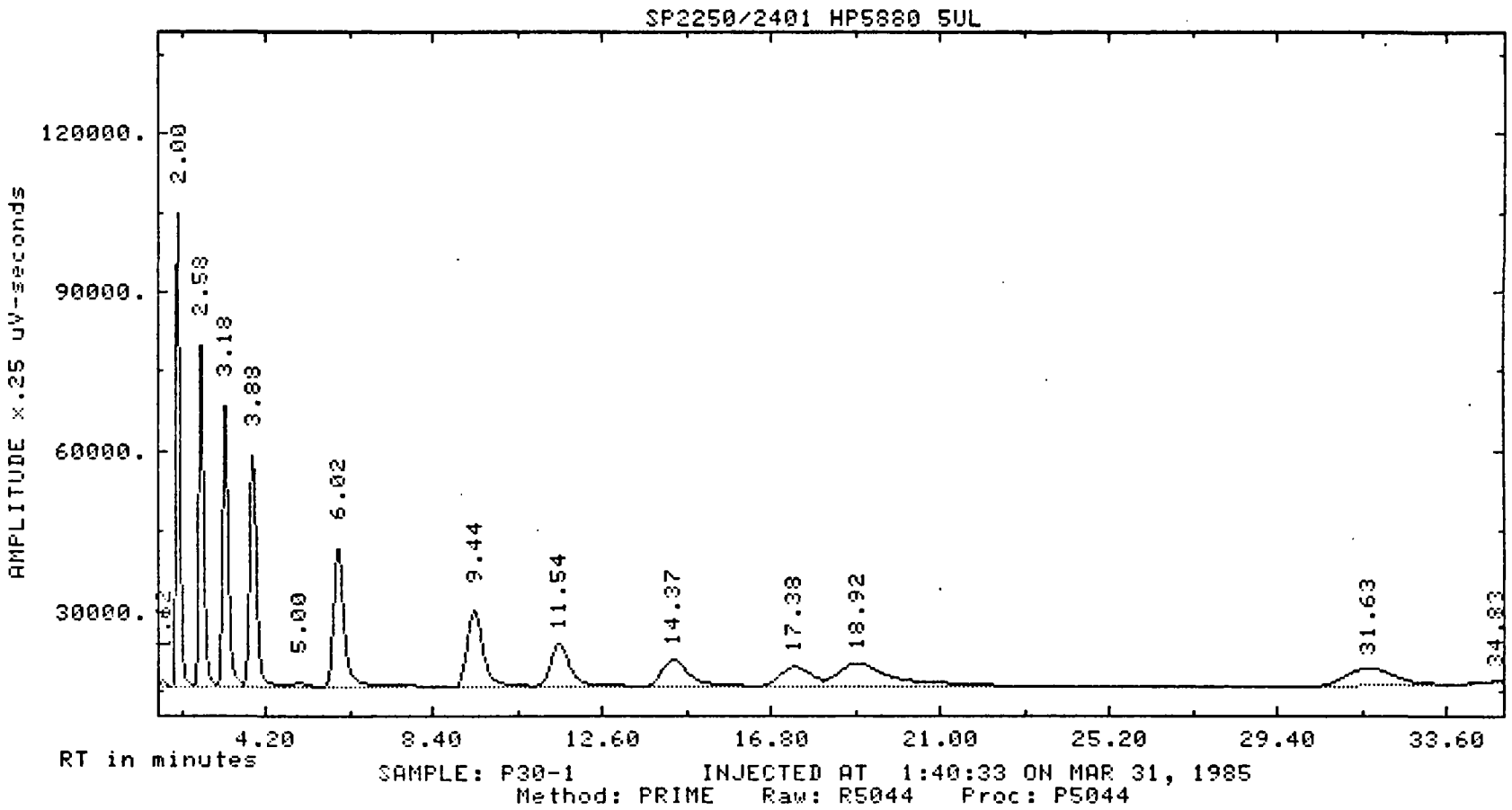
RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

ENDED NOT ON BASELINE

RAW DATA FILE: R5043 PARAM FILES= METHOD: SEQ:

DONE
READY

Case 3969



131

*LI,P,P5044

PROCESSED DATA FILE: P5044 ON CRN 21

Case 3969

APR 2, 1985 11:47:19

REPORT: 140 CHANNEL: 2 # PEAKS: -17 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.04	0.00	1.00000	62	BV	.003	
2	1.16	0.00	1.00000	135	VB	.006	
3	1.37	0.00	1.00000	119	BV	.005	
4	1.62	0.00	1.00000	4539	VV	.196	
5	2.00	0.00	1.00000	314054	VV	13.567	α-BHC
6	2.58	0.00	1.00000	283024	VV	12.226	δ-BHC
7	3.18	0.00	1.00000	279720	VV	12.084	Heptachlor
8	3.80	0.00	1.00000	264759	VV	11.437	Aldrin
9	5.00	0.00	1.00000	7872	VB	.340	
10	6.02	0.00	1.00000	244993	BB	10.583	Heptachlor Epoxide
11	9.44	0.00	1.00000	188371	BV	8.569	Dieldrin
12	11.54	0.00	1.00000	141876	VV	6.129	Endrin
13	14.37	0.00	1.00000	125951	VV	5.441	pp'-DDD
14	17.38	0.00	1.00000	103885	VV	4.487	pp'-DDT
15	18.92	0.00	1.00000	202057	VB	8.729	Endrin Aldehyde
16	31.63	0.00	1.00000	132011	BV	5.703	Endrin Ketone
17	34.83	0.00	1.00000	11473	VB	.496	Methoxychlor

TOTAL AREA = 2314083 TOTAL AREA % = 100.000

SAMPLE: P30-1 INJECTED AT 1:40:33 ON MAR 31, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 44 BTL: 44

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.017 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

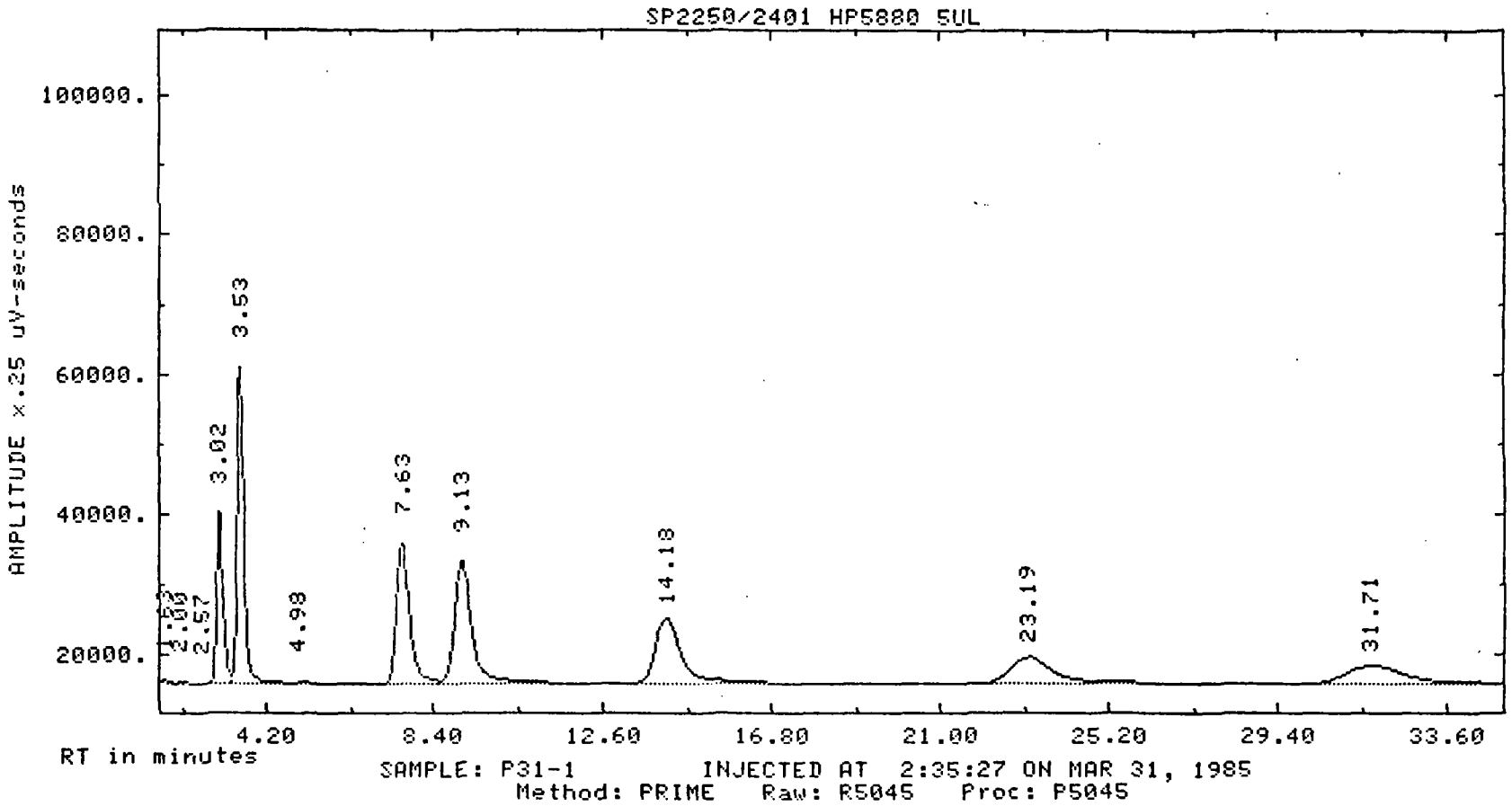
ENDED NOT ON BASELINE

RAW DATA FILE: R5044 PARAM FILES= METHOD: SEQ:

DONE
READY

IV .132

Case 3969



IV 133

*LI,P,P5045

PROCESSED DATA FILE: P5045 ON CRN 21

Case 3969

APR 2, 1985 11:47:48

REPORT: 141 CHANNEL: 2 # PEAKS: -13 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.03	0.00	1.00000	53	BB	.004	
2	1.20	0.00	1.00000	760	BB	.054	
3	1.63	0.00	1.00000	2360	BV	.168	
4	2.00	0.00	1.00000	248	VB	.018	
5	2.57	0.00	1.00000	426	BB	.030	
6	3.02	0.00	1.00000	133339	BV	9.518	B-BHC
7	3.53	0.00	1.00000	267672	VV	19.107	δ-BHC
8	4.98	0.00	1.00000	1715	VB	.122	
9	7.63	0.00	1.00000	235658	BV	16.820	Endosulfan I
10	9.13	0.00	1.00000	264434	VB	18.875	pp'-DDE
11	14.18	0.00	1.00000	215159	BB	15.358	Endosulfan II
12	23.15	0.00	1.00000	146315	BB	10.445	Endosulfan Sulfate
13	31.71	0.00	1.00000	132536	BF	9.461	Dibutyl chlorendate

TOTAL AREA = 1400876 TOTAL AREA % = 100.000

SAMPLE: P31-1 INJECTED AT 2:35:27 ON MAR 31, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 45 BTL: 45

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.017 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

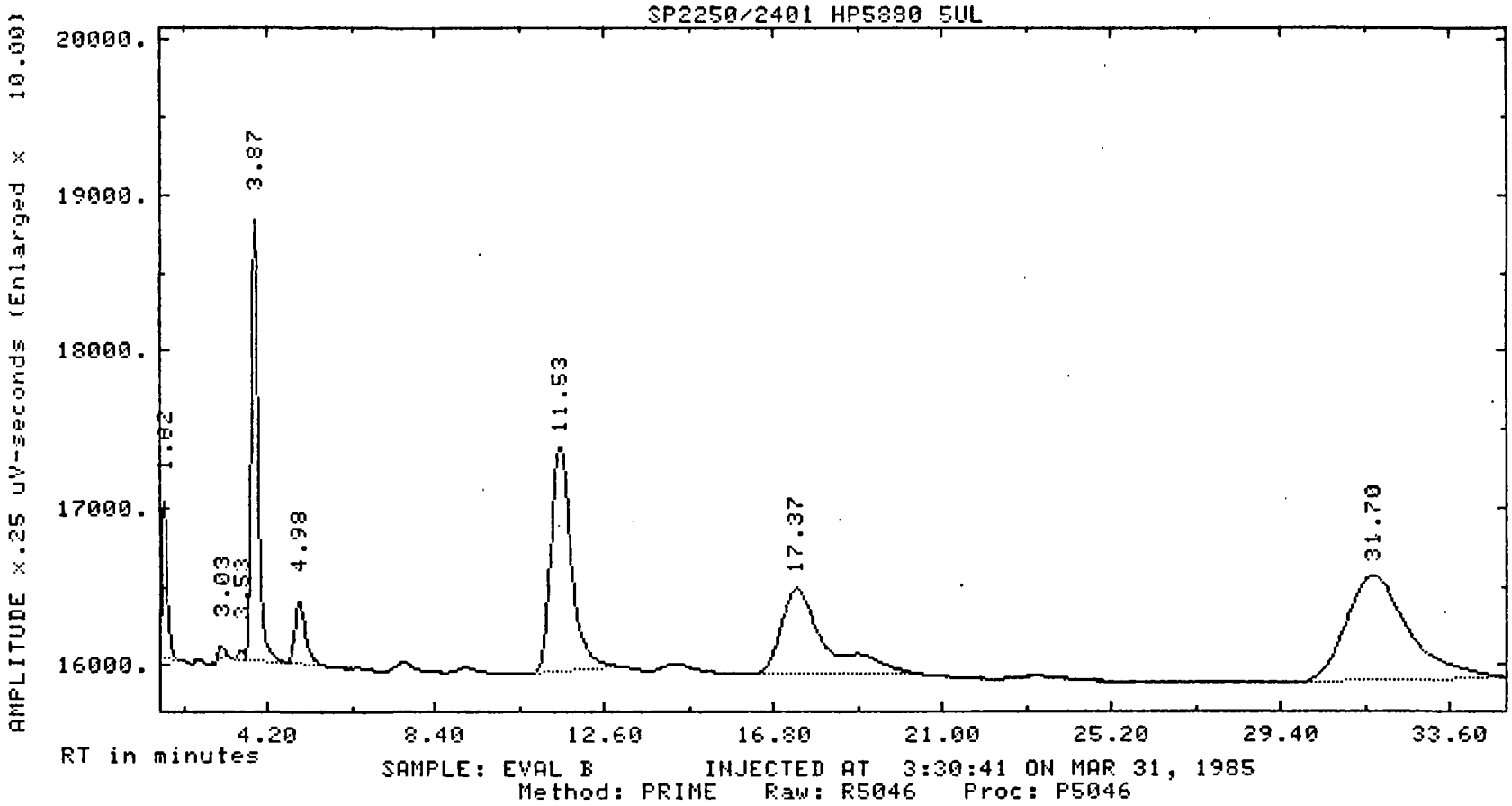
ENDED NOT ON BASELINE

RAW DATA FILE: R5045 PARAM FILES= METHOD: SEQ:

DONE
READY

II 134

Case 3969


SP2250/2401 HP5880 5UL
AMPLITUDE x.25 uV-seconds (Enlarged x 10.00)
20000.
19000.
18000.
17000.
16000.
1.82
3.03
3.53
3.87
4.98
11.53
17.37
31.70
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: EVAL B INJECTED AT 3:30:41 ON MAR 31, 1985
Method: PRIME Raw: R5046 Proc: P5046

*LI,P,P5046

PROCESSED DATA FILE: P5046 ON CRN 21

APR 2, 1985 11:48:11 Case 3969

REPORT: 142 CHANNEL: 2 # PEAKS: -9 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.17	0.00	1.00000	151	BB	.141	
2	1.62	0.00	1.00000	4341	BB	4.059	
3	3.03	0.00	1.00000	391	BB	.365	
4	3.53	0.00	1.00000	284	BV	.266	
5	3.87	0.00	1.00000	16960	VB	15.856	Aldrin
6	4.98	0.00	1.00000	3631	BB	3.394	
7	11.53	0.00	1.00000	24916	BB	23.294	Endrin
8	17.37	0.00	1.00000	20216	BB	18.900	pp'-DDT
9	31.70	0.00	1.00000	36073	BF	33.725	p.b.t.y/chlorendate

TOTAL AREA = 106964 TOTAL AREA % = 100.000

SAMPLE: EVAL B INJECTED AT 3:30:41 ON MAR 31, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 46 BTL: 46

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.017 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

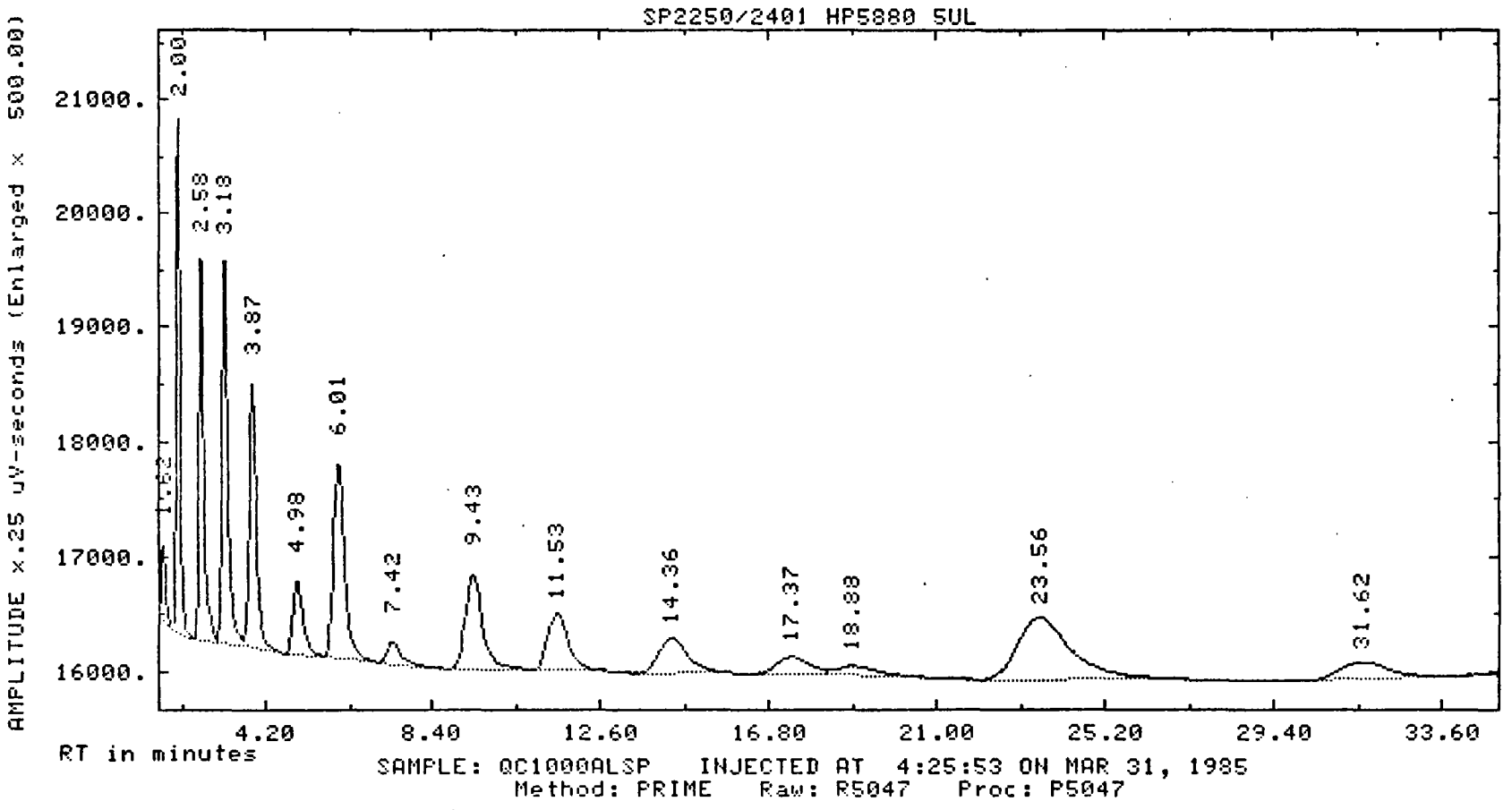
ENDED NOT ON BASELINE

RAW DATA FILE: R5046 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 136

Case 3969


SP2250/2401 HP5880 SUL
AMPLITUDE x.25 uV-seconds (Enlarged x 500.00)
21000.
20000.
19000.
18000.
17000.
16000.
2.00
2.58
3.18
3.87
4.98
6.01
7.42
9.43
11.53
14.36
17.37
18.88
23.56
31.62
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: QC1000ALSP INJECTED AT 4:25:53 ON MAR 31, 1985
Method: PRIME Raw: R5047 Proc: P5047

*LI,P,P5047

Case 3969

PROCESSED DATA FILE: P5047 ON CRN 21

APR 2, 1985 11:48:34

REPORT: 143 CHANNEL: 2 # PEAKS: -17 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA	AREA %	NAME
1	1.16	0.00	1.00000	108 BB	.071	
2	1.45	0.00	1.00000	58 BB	.037	
3	1.62	0.00	1.00000	2453 BV	1.612	
4	2.00	0.00	1.00000	14680 VB	9.646	
5	2.58	0.00	1.00000	14127 BV	9.283	
6	3.18	0.00	1.00000	17497 VV	11.491	
7	3.87	0.00	1.00000	14109 VB	9.271	
8	4.98	0.00	1.00000	5909 BB	3.883	
9	6.01	0.00	1.00000	15995 BB	10.510	
10	7.42	0.00	1.00000	2171 BB	1.427	
11	9.43	0.00	1.00000	12023 BB	7.901	
12	11.53	0.00	1.00000	8626 BB	5.668	
13	14.36	0.00	1.00000	7357 BB	4.834	
14	17.37	0.00	1.00000	4304 BV	2.828	
15	18.88	0.00	1.00000	2339 VB	1.537	
16	23.56	0.00	1.00000	24252 BB	15.936	
17	31.62	0.00	1.00000	6187 BB	4.065	

TOTAL AREA = 152185 TOTAL AREA % = 100.000

SAMPLE: QC1000ALSP INJECTED AT 4:25:53 ON MAR 31, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 47 BTL: 47

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.017 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

UNDED NOT ON BASELINE

RAW DATA FILE: R5047 PARAM FILES= METHOD: SEQ:

DONE

IV 138

Project 3-705-050 Column SP 2250/2401

PRIORITY POLLUTANT PESTICIDE DATA

RUN DATE 4/1/85 ANALYST: BL HP 5880 LOGBOOK PAGE _____

(see reverse for linear regression analyses)

Component	RT (Min)	Std. Conc (ng/ml)	Area$_3$ X 10^3	Std. Conc (ng/ml)	Area$_3$ X 10^3	Std Conc (ng/ml)	Area$_3$ X 10^3	Std Conc (ng/ml)	Area$_3$ X 10^3	Std Conc (ng/ml)	Area$_3$ X 10^3	Std Conc (ng/ml)	Area$_3$ X 10^3
1. α-BHC	1.99-2.01	100	2.01 246.	50	2.00 145.4	25	2.00 58.31	10	2.00 23.82	5	2.00 6.96		
2. γ-BHC	2.57-2.59		2.59 220.2	(51)	2.58 130.	(22.3)	2.58 52.12	(11.1)	2.58 21.75	(5.5)	2.58 6.81		
3. Heptachlor	3.17-3.19	(97.1)	3.19 227.9	(56.6)	3.18 134.6	(23.3)	3.18 57.30	(10.4)	3.18 22.14	(2.3)	3.18 9.41		
4. Aldrin	3.96-3.70		3.81 217.4	(54.0)	3.88 117.6	(22.1)	3.88 46.49	(10.8)	3.88 21.14	(4.4)	3.87 6.87		
5. Hept. Epox.	5.71-6.05		6.03 187.6		6.01 113.6		6.01 48.93		6.02 24.10		6.01 10.04		
6. Dieldrin	7.41-7.45	(99.0)	7.44 162.3	(53.1)	7.43 87.26	(22.5)	7.42 37.07	(10.5)	7.43 17.46	(4.9)	7.43 8.28		
7. Endrin	11.49-11.55	(100.4)	11.54 118.7	(50.6)	11.52 59.78	(21.6)	11.52 25.48	(10.6)	11.53 12.44	(6.8)	11.51 8.02		
8. p,p'-DDD	14.28-14.40		14.37 77.0		14.34 50.44		14.34 20.19		14.35 10.30		14.31 12.64		
9. p,p'-DDT	17.29-17.41	(82.5)	17.38 69.89	(57.4)	17.34 44.72	(21.1)	17.33 18.65	(8.0)	17.35 7.73		—		
10. Endrin Ald.	18.83-18.95		18.91 140.7		18.87 94.17		18.87 42.42		18.84 20.12				
11. Endrin Ketone	31.33-31.83		31.69 121		31.57 79.91		31.56 34.77		31.60 17.91		31.46 4.47		
12. Methoxychlor	34.52-35.04	↓	34.90 60.13	↓	34.75 43.84	↓	34.71 18.88	↓	34.74 9.22	↓			
Pesticide Mix		P-30-1		P-30-2		P-30-3		P-30-4		P-30-5			

FI
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LINEAR REGRESSION RESULTS

SP2250/2401 4-1-85

Component	Correlation Coefficient	Y-intercept	Slope
1. γ-BHC	.9960 50-5ppb stds	-9.20	2.71
2. -BHC			
3. Heptachlor	.9949	4.15	2.30
4. Aldrin	.9978	-2.97	2.23
5. Heptachlor Epoxide			
6. Dieldrin	.9985	.302	1.64
7. Endrin	9987	-0.06	1.18
8. p,p'-DDD			
9. p,p'-DDT	.987 Highest four stds	4.29	0.68
10. Endrin Aldehyde			
11. Endrin Ketone			
12. Methoxychlor			

F/C

Project 3-705-050

Column SP 2250/2401

PRIORITY POLLUTANT PESTICIDE DATA

RUN DATE: 4/1/85

ANALYST: BL

HP 5880 LOGBOOK PAGE

(see reverse for linear regression analyses)

Component	RT (Min)	Std. Conc (ng/ml)	Area$_3$ X 10^3	Std. Conc (ng/ml)	Area$_3$ X 10^3	Std. Conc (ng/ml)	Area$_3$ X 10^3	Std. Conc (ng/ml)	Area$_3$ X 10^3	Std Conc (ng/ml)	Area$_3$ X 10^3	Std. Conc (ng/ml)	Area$_3$ X 10^3
1. β-BHC	2.91-3.05	100	3.04 72.81	50	3.02 60.43	25	3.02 27.40	10	3.02 9.20	5	3.02 4.37		
2. δ-BHC	3.50-3.55		3.56 177.7		3.53 109.		3.53 40.63		3.53 10.71		3.53 4.82		
3. Endosulfan I	7.56-7.70		7.67 183.2		7.63 104.3	(23.5)	7.63 45.29	(8.1)	7.63 16.03	(4.9)	7.61 10.04		
4. p,p'-DDE	9.04-9.22		9.17 189.1		9.11 101.2		9.11 41.39		9.12 13.90		9.12 6.55		
5. Endosulfan II	14.08-14.28		14.24 152.8		14.16 91.58		14.16 39.92		14.17 14.26		14.16 6.71		
6. Endosulfan Sulfate	23.02-23.34		23.21 327.8		23.14 67.50		23.14 32.24		23.17 11.21		23.16 6.04		
7. Dibutyl Chlorendate	31.53-31.83	(10.1)	31.71 137.6	(46.9)	31.64 51.70	(26.6)	31.66 32.40	(10.8)	31.67 11.15	(4.6)	31.66 2.85		
Pesticide Mix		P-31-1		P-31-2		P-31-3		P-31-4		P-31-5			

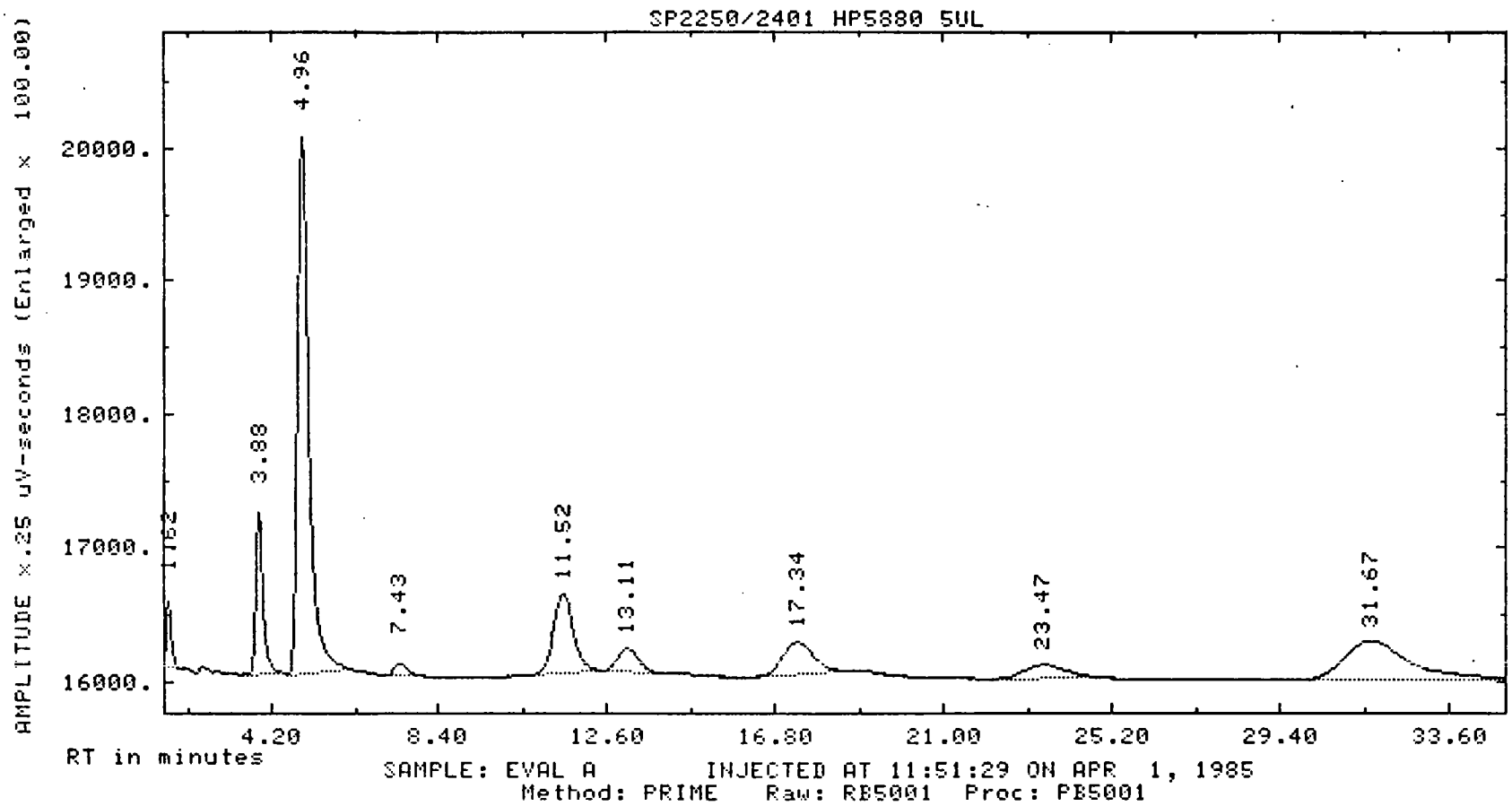
LINEAR REGRESSION RESULTS

3P2250/2401 4/1/85

Component	Correlation Coefficient	Y-intercept	Slope
1. ß-BHC			
2. ɣ-BHC			
3. Endosulfan I			
4. p,p'-DDE			
5. Endosulfan II			
6. Endosulfan Sulfate			
7. Dibutyl Chlorendate	.9988	-3.36	1.34

TT 1412

Case 3969



TV 143

READY
*LI,P,PB5001

PROCESSED DATA FILE: PB5001 ON CRN 21

APR 2, 1985 8:57:15 Case 3969

REPORT: 144 CHANNEL: 2 # PEAKS: -9 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.82	0.00	1.00000	1975	BB	2.199	
2	3.88	0.00	1.00000	7537	BB	8.389	Aldrin
3	4.96	0.00	1.00000	40232	BB	44.774	
4	7.43	0.00	1.00000	1075	BB	1.197	
5	11.52	0.00	1.00000	10273	BB	11.432	Endrin
6	13.11	0.00	1.00000	3183	BB	3.543	
7	17.34	0.00	1.00000	6241	BB	6.945	pp'-DDT
8	23.47	0.00	1.00000	3481	BB	3.874	
9	31.67	0.00	1.00000	15858	BB	17.648	Dibutylchlorendate

TOTAL AREA = 89856 TOTAL AREA % = 100.000

SAMPLE: EVAL A INJECTED AT 11:51:29 ON APR 1, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 1 BTL: 1

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

ACTUAL RUN TIME: 40.008 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

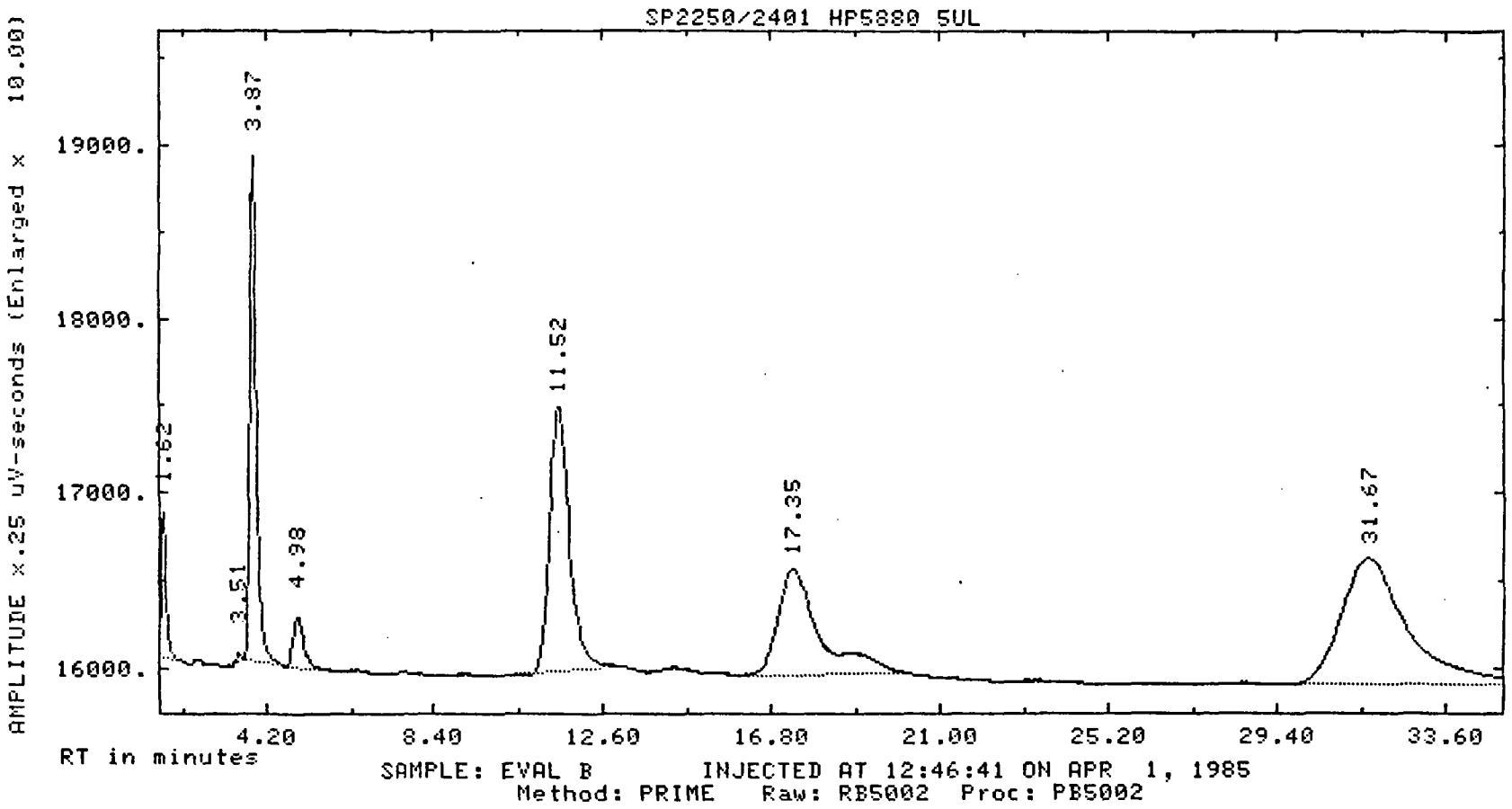
ENDED NOT ON BASELINE

RAW DATA FILE: RD5001 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 144

Case 3969


SP2250/2401 HP5880 5UL
AMPLITUDE x.25 uV-seconds (Enlarged x 10.00)
19000.
18000.
17000.
16000.
1.62
3.51
3.87
4.98
11.52
17.35
31.67
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: EVAL B INJECTED AT 12:46:41 ON APR 1, 1985
Method: PRIME Raw: RB5002 Proc: PB5002

*LI,P,PB5002

PROCESSED DATA FILE: PB5002 ON CRN 21

Case 3969

APR 2, 1985 8:57:39

REPORT: 145 CHANNEL: 2 # PEAKS: -7 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.62	0.00	1.00000	3465	BB	3.103	
2	3.51	0.00	1.00000	114	BB	.102	
3	3.87	0.00	1.00000	17058	BB	15.256	Aldrin
4	4.98	0.00	1.00000	2558	BB	2.288	
5	11.52	0.00	1.00000	25526	BB	22.833	Endrin
6	17.35	0.00	1.00000	21636	BB	19.353	pp'-DDT
7	31.67	0.00	1.00000	41436	BB	37.064	Dibutylchlorendate

TOTAL AREA = 111787 TOTAL AREA % = 100.000

SAMPLE: EVAL B INJECTED AT 12:46:41 ON APR 1, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 2 BTL: 2

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

ACTUAL RUN TIME: 40.006 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

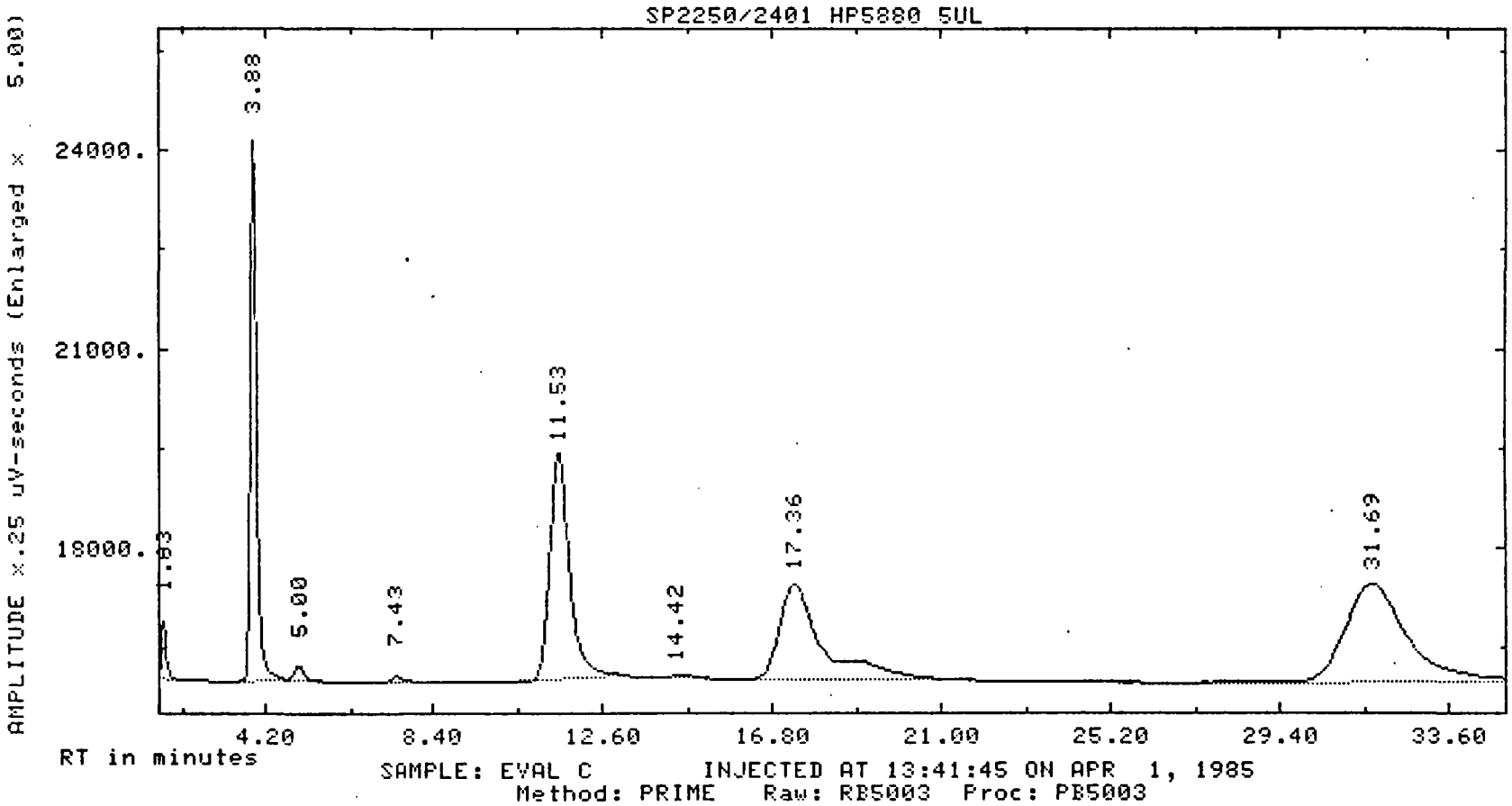
ENDED NOT ON BASELINE

RAW DATA FILE: RE5002 PARAM FILES= METHOD: SEQ:

DONE
READY

DV 146

Case 3969


SP2250/2401 HP5880 5UL
AMPLITUDE x.25 uV-seconds (Enlarged x 5.00)
24000.
21000.
18000.
1.83
3.88
5.00
7.43
11.53
14.42
17.36
31.69
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: EVAL C INJECTED AT 13:41:45 ON APR 1, 1985
Method: PRIME Raw: RB5003 Proc: PB5003

*L1,P,PB5003

PROCESSED DATA FILE: PB5003 ON CRN 21

Case 3969

APR 2, 1985 8:58:02

REPORT: 146 CHANNEL: 2 # PEAKS: -8 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.63	0.00	1.00000	3588	BB	1.498	
2	3.88	0.00	1.00000	46327	BB	19.357	Aldrin
3	5.00	0.00	1.00000	1887	BB	.788	
4	7.43	0.00	1.00000	993	BB	.415	
5	11.53	0.00	1.00000	56591	BB	23.645	Endrin
6	14.42	0.00	1.00000	665	BB	.286	
7	17.36	0.00	1.00000	52098	BB	21.766	pp'-DDT
8	31.89	0.00	1.00000	77165	BB	32.242	Dibutylchlorendate

TOTAL AREA = 239335 TOTAL AREA % = 100.000

SAMPLE: EVAL C INJECTED AT 13:41:45 ON APR 1, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 3 BTL: 3

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

ACTUAL RUN TIME: 40.000 MINUTES

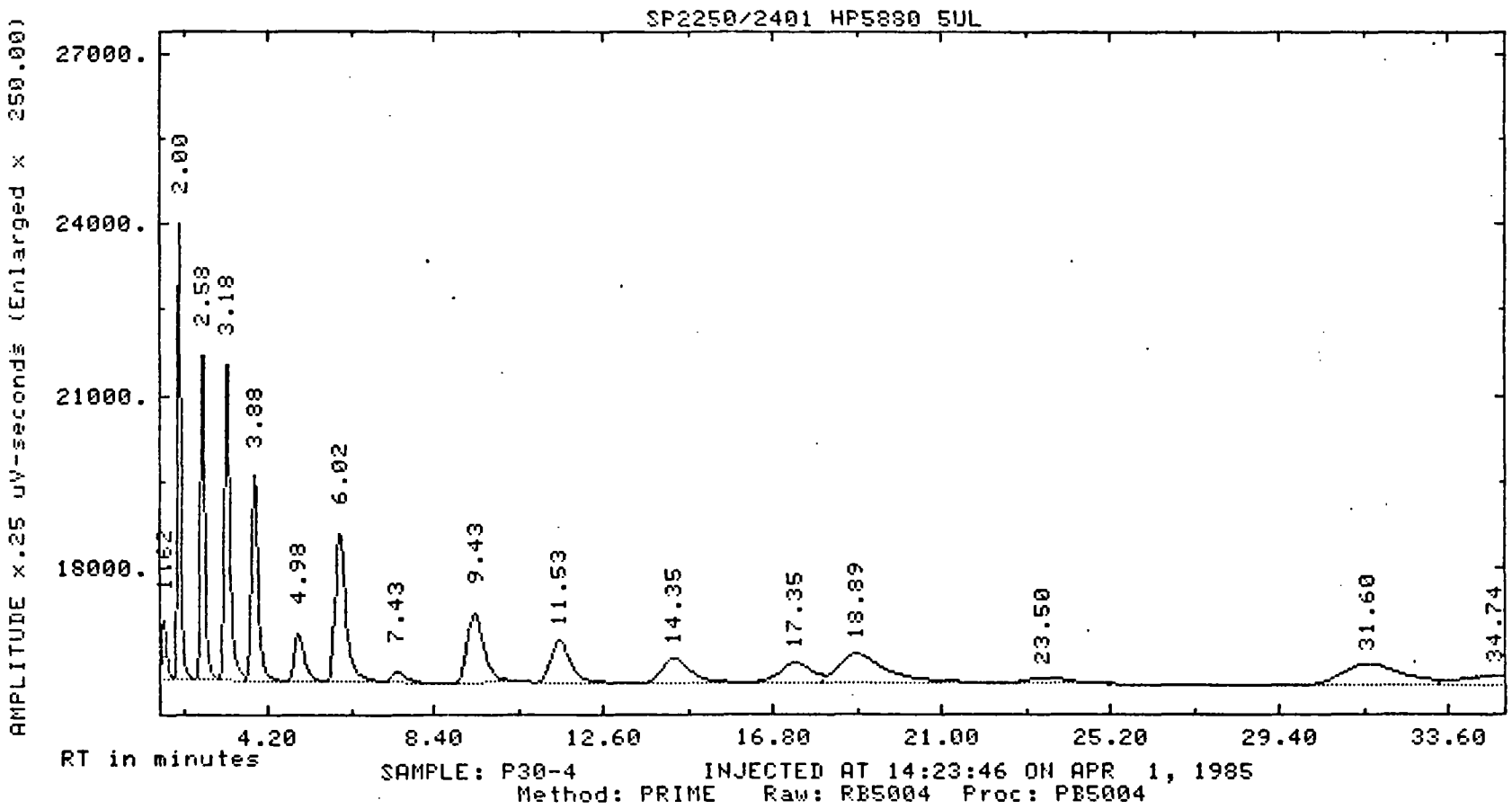
RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

RAW DATA FILE: RB5003 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 148

Case 3969


SP2250/2401 HP5880 5UL
AMPLITUDE x.25 uV-seconds (Enlarged x 250.00)
27000.
24000.
21000.
18000.
1.62
2.00
2.58
3.18
3.88
4.98
6.02
7.43
9.43
11.53
14.35
17.35
18.89
23.50
31.60
34.74
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: P30-4 INJECTED AT 14:23:46 ON APR 1, 1985
Method: PRIME Raw: RB5004 Proc: PB5004

*LI,P,PB5004

PROCESSED DATA FILE: PB5004 ON CRN 21

Case 3969

APR 2, 1985 8:58:28

REPORT: 147 CHANNEL: 2 # PEAKS: -16 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.62	0.00	1.00000	4158	BV	1.783	
2	2.00	0.00	1.00000	23818	VB	10.212	α-BHC
3	2.58	0.00	1.00000	21751	BV	9.326	δ-BHC
4	3.18	0.00	1.00000	28135	VV	12.063	Heptachlor
5	3.88	0.00	1.00000	21135	VB	9.062	Aldrin
6	4.98	0.00	1.00000	7340	BB	3.147	
7	6.02	0.00	1.00000	24087	BB	10.332	Heptachlor Epoxide
8	7.43	0.00	1.00000	2209	BB	.947	
9	9.43	0.00	1.00000	17457	BB	7.485	~~pp'-DDT~~ BL. Dieldrin
10	11.53	0.00	1.00000	12438	BB	5.332	Endrin
11	14.35	0.00	1.00000	10304	BB	4.418	pp'-DDD
12	17.35	0.00	1.00000	9727	BV	4.171	pp'-DDT
13	18.89	0.00	1.00000	20121	VB	8.627	Endrin Aldehyde
14	23.50	0.00	1.00000	3405	BB	1.460	
15	31.60	0.00	1.00000	17914	BV	7.681	Endrin Ketone
16	34.74	0.00	1.00000	9221	VB	3.954	Methoxychlor

TOTAL AREA = 233232 TOTAL AREA % = 100.000

SAMPLE: P30-4 INJECTED AT 14:23:46 ON APR 1, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 4 BTL. 4

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTN	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

ACTUAL RUN TIME: 40.000 MINUTES

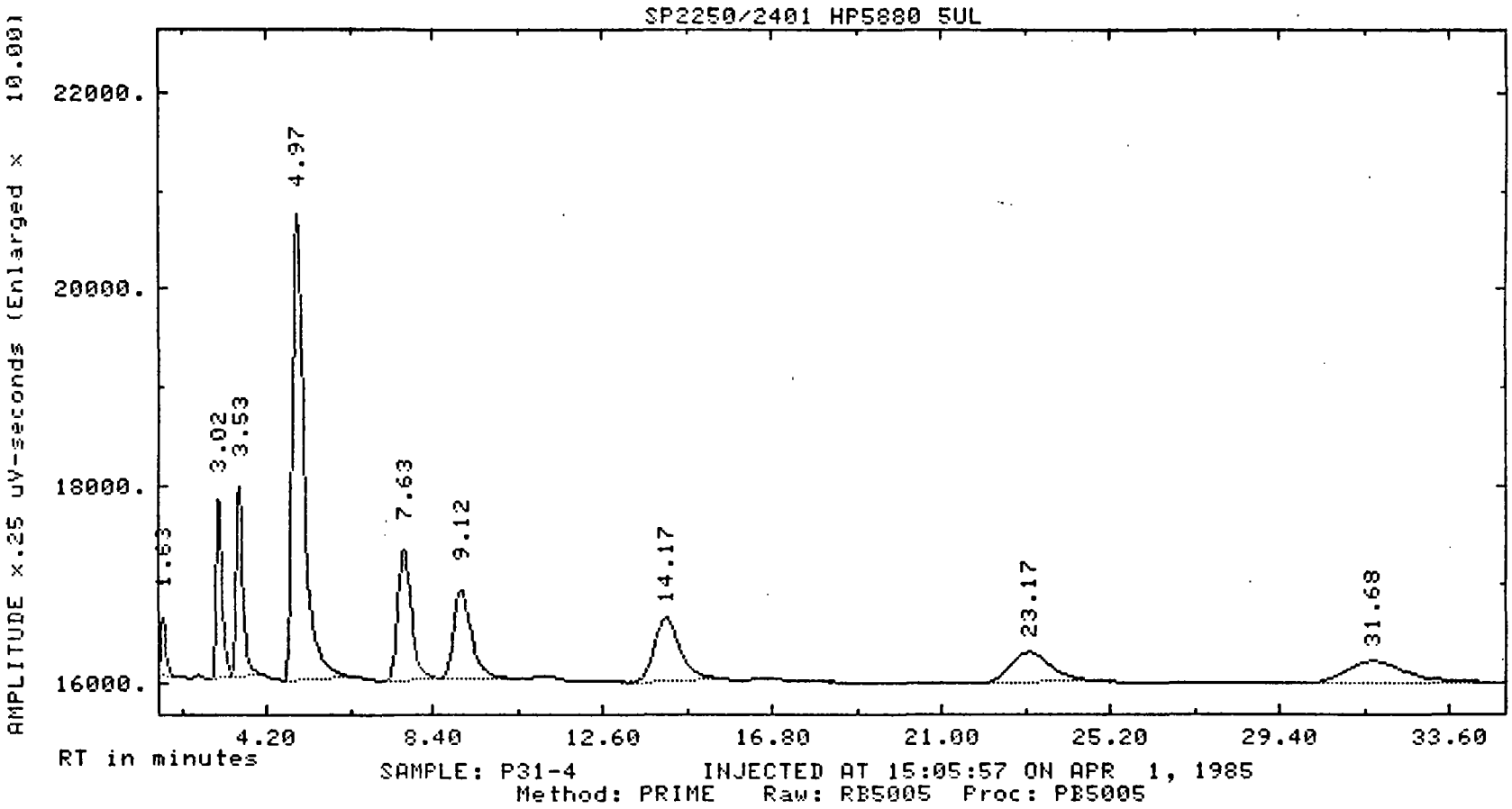
RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

RAW DATA FILE: RB5004 PARAM FILE= METHOD: SEQ:

DONE
READY

IV 150

Case 3969



191 II

*LI,P,PB5005

PROCESSED DATA FILE: PB5005 ON CRN 21

Case 3969

APR 2, 1985 8:59:00

REPORT: 148 CHANNEL: 2 # PEAKS: -9 SP2250/2401 HPS800 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.63	0.00	1.00000	2451	BB	1.778	
2	3.02	0.00	1.00000	9198	BV	6.671	B-BHC
3	3.53	0.00	1.00000	10785	VB	7.821	δ-BHC
4	4.97	0.00	1.00000	48902	BB	35.465	
5	7.63	0.00	1.00000	16033	BV	11.628	Endosulfan I
6	9.12	0.00	1.00000	13900	VB	10.080	pp'-DDE
7	14.17	0.00	1.00000	14261	BB	10.342	Endosulfan II
8	23.17	0.00	1.00000	11208	BB	8.128	Endosulfan Sulfate
9	31.68	0.00	1.00000	11151	BB	8.087	Dibutyl chlorendate

TOTAL AREA = 137890 TOTAL AREA % = 100.000

SAMPLE: P31-4 INJECTED AT 15:05:57 ON APR 1, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 5 BTL: 5

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

ACTUAL RUN TIME: 40.017 MINUTES

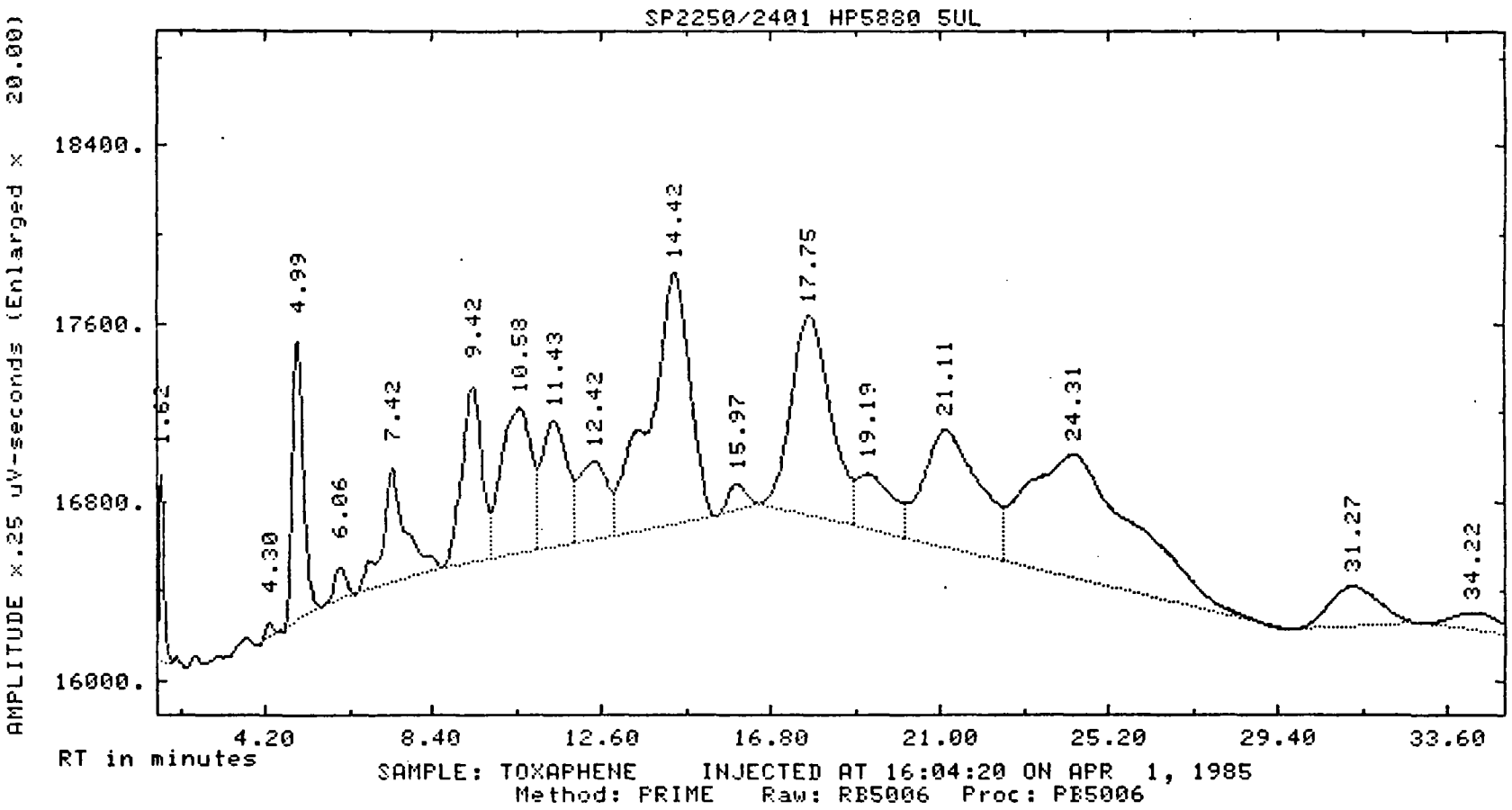
RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

RAW DATA FILE: RB5005 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 152

Case 3969



TT 153

*LI,P,PB5006

PROCESSED DATA FILE: PB5006 ON CRN 21

Case 3969

APR 2, 1985 8:59:30

REPORT: 149 CHANNEL: 2 # PEAKS: -17 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.62	0.00	1.00000	3350	BB	1.369	
2	4.30	0.00	1.00000	315	BB	.129	
3	4.99	0.00	1.00000	11984	BB	4.896	
4	6.06	0.00	1.00000	1464	BB	.598	
5	7.42	0.00	1.00000	10444	BB	4.267	
6	9.42	0.00	1.00000	13610	BV	5.560	
7	10.58	0.00	1.00000	16676	VV	6.813	
8	11.43	0.00	1.00000	12506	VV	5.109	
9	12.42	0.00	1.00000	8249	VV	3.370	
10	14.42	0.00	1.00000	39254	VV	16.037	
11	15.97	0.00	1.00000	1814	VB	.741	
12	17.75	0.00	1.00000	30482	BV	12.453	
13	19.19	0.00	1.00000	7764	VV	3.172	
14	21.11	0.00	1.00000	25605	VV	10.461	
15	24.31	0.00	1.00000	50459	VV	20.615	
16	31.27	0.00	1.00000	7688	VB	3.141	
17	34.22	0.00	1.00000	3106	BB	1.269	

TOTAL AREA = 244770 TOTAL AREA % = 100.000

SAMPLE: TOXAPHENE INJECTED AT 16:04:20 ON APR 1, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 6 BTL: 6

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

ACTUAL RUN TIME: 40.025 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

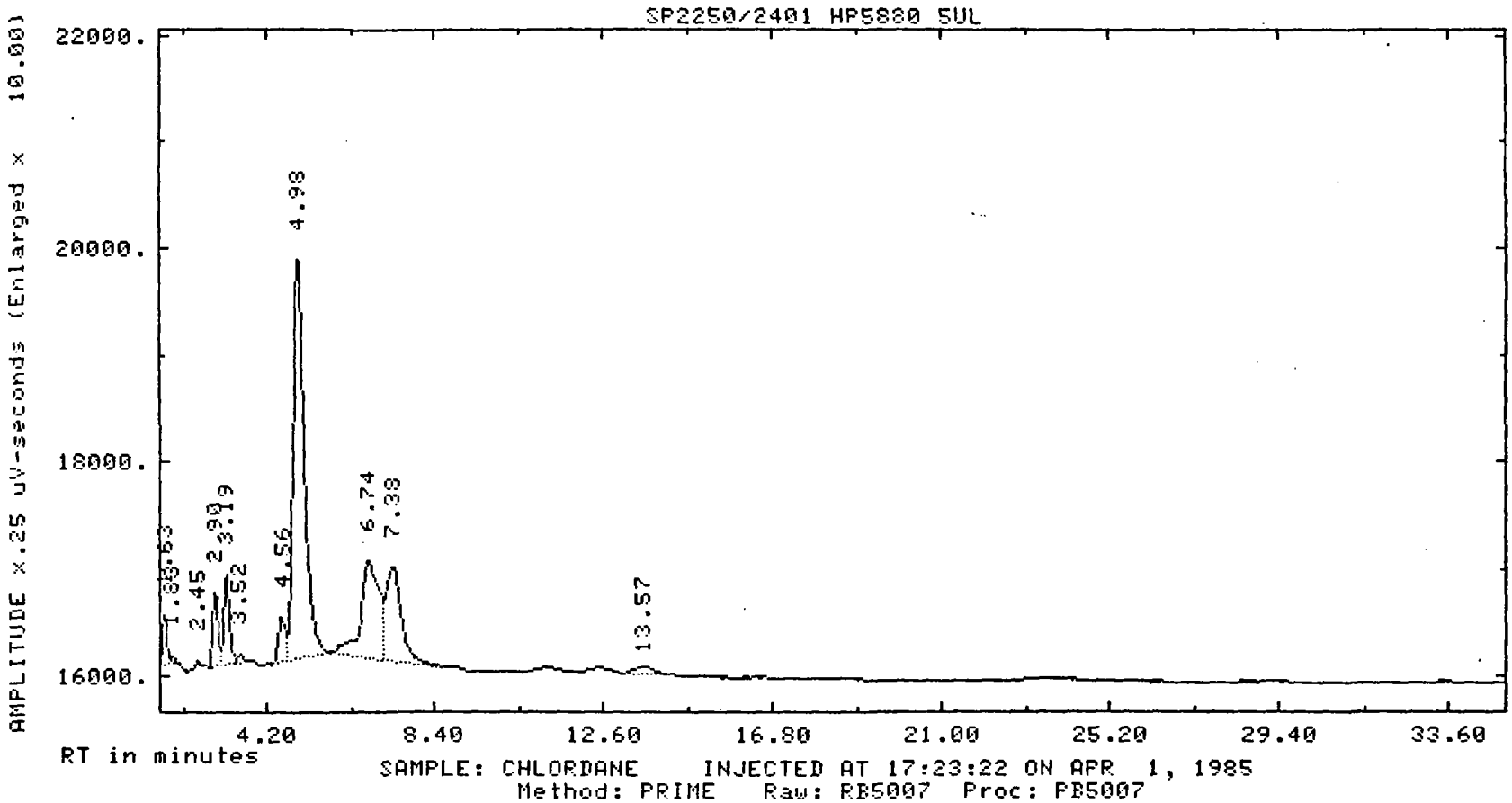
ENDED NOT ON BASELINE

RAW DATA FILE: RB5006 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 154

Case 3969


SP2250/2401 HP5880 5UL
AMPLITUDE x.25 uV-seconds (Enlarged x 10.00)
22000.
20000.
18000.
16000.
1.83
2.45
2.90
3.19
3.52
4.56
4.98
6.74
7.38
13.57
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: CHLORDANE INJECTED AT 17:23:22 ON APR 1, 1985
Method: PRIME Raw: RB5007 Proc: PB5007

*LI,P,PB5007

PROCESSED DATA FILE: PB5007 ON CRN 21

Case 3969

APR 2, 1985 8:59:59

REPORT: 150 CHANNEL: 2 # PEAKS: -12 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.30	0.00	1.00000	668	BB	.862	
2	1.63	0.00	1.00000	1737	BV	2.240	
3	1.83	0.00	1.00000	181	VB	.234	
4	2.45	0.00	1.00000	198	BB	.255	
5	2.90	0.00	1.00000	3079	BV	3.971	
6	3.19	0.00	1.00000	4357	VV	5.619	
7	3.52	0.00	1.00000	390	VB	.503	
8	4.56	0.00	1.00000	2649	BV	3.417	
9	4.98	0.00	1.00000	36779	VB	47.437	
10	6.74	0.00	1.00000	15514	BV	20.009	
11	7.38	0.00	1.00000	10998	VB	14.186	
12	13.57	0.00	1.00000	983	BB	1.268	

TOTAL AREA = 77533 TOTAL AREA % = 100.000

SAMPLE: CHLORDANE INJECTED AT 17:23:22 ON APR 1, 1985

ZERO METHOD: PRIME SEQ: SMO3A SUBSQ/SAMP: 1 / 7 BTL: 7

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

ACTUAL RUN TIME: 40.005 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

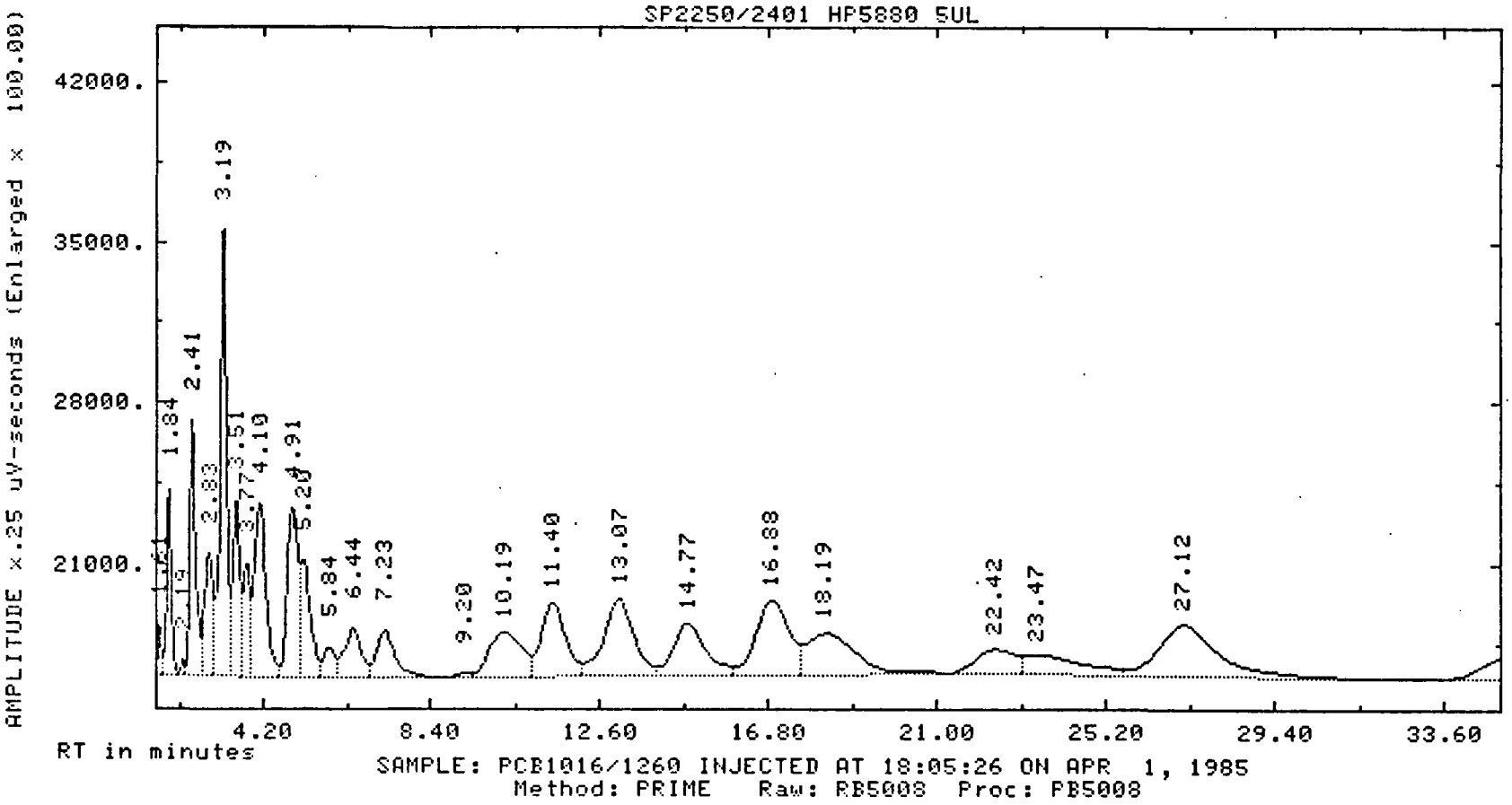
RAW DATA FILE: RB5007 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 156

Case 3969

LSI RT



*LI,P,PB5008

PROCESSED DATA FILE: PB5008 ON CRN 21

Case 3969

APR 2, 1985 9:00:23

REPORT: 151 CHANNEL: 2 # PEAKS: -26 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.46	0.00	1.00000	2458	BV	.184	
2	1.61	0.00	1.00000	6991	VV	.523	
3	1.84	0.00	1.00000	32391	VV	2.423	
4	2.19	0.00	1.00000	2588	VV	.194	
5	2.41	0.00	1.00000	56015	VV	4.190	
6	2.83	0.00	1.00000	35324	VV	2.642	
7	3.19	0.00	1.00000	116263	VV	8.696	
8	3.51	0.00	1.00000	47690	VV	3.567	
9	3.77	0.00	1.00000	28188	VV	2.109	
10	4.10	0.00	1.00000	78281	VV	5.854	
11	4.91	0.00	1.00000	70051	VV	5.240	
12	5.20	0.00	1.00000	43339	VV	3.287	
13	5.84	0.00	1.00000	12622	VV	.944	
14	6.44	0.00	1.00000	31012	VV	2.320	
15	7.23	0.00	1.00000	31557	VB	2.360	
16	9.20	0.00	1.00000	2393	BV	.179	
17	10.19	0.00	1.00000	55042	VV	4.117	
18	11.40	0.00	1.00000	67205	VV	5.031	
19	13.07	0.00	1.00000	87557	VV	6.550	
20	14.77	0.00	1.00000	64203	VV	4.802	
21	16.90	0.00	1.00000	93130	VV	6.966	
22	18.19	0.00	1.00000	73653	VB	5.509	
23	22.42	0.00	1.00000	38212	BV	2.858	
24	23.47	0.00	1.00000	40738	VV	3.047	
25	27.12	0.00	1.00000	117044	VB	8.755	
26	35.55	0.00	1.00000	102307	BF	7.652	

TOTAL AREA = 1336917 TOTAL AREA % = 100.000

SAMPLE: PCB1016/1260 INJECTED AT 18:05:26 ON APR 1, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 8 BTL: 8

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%OIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

ACTUAL RUN TIME: 40.017 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

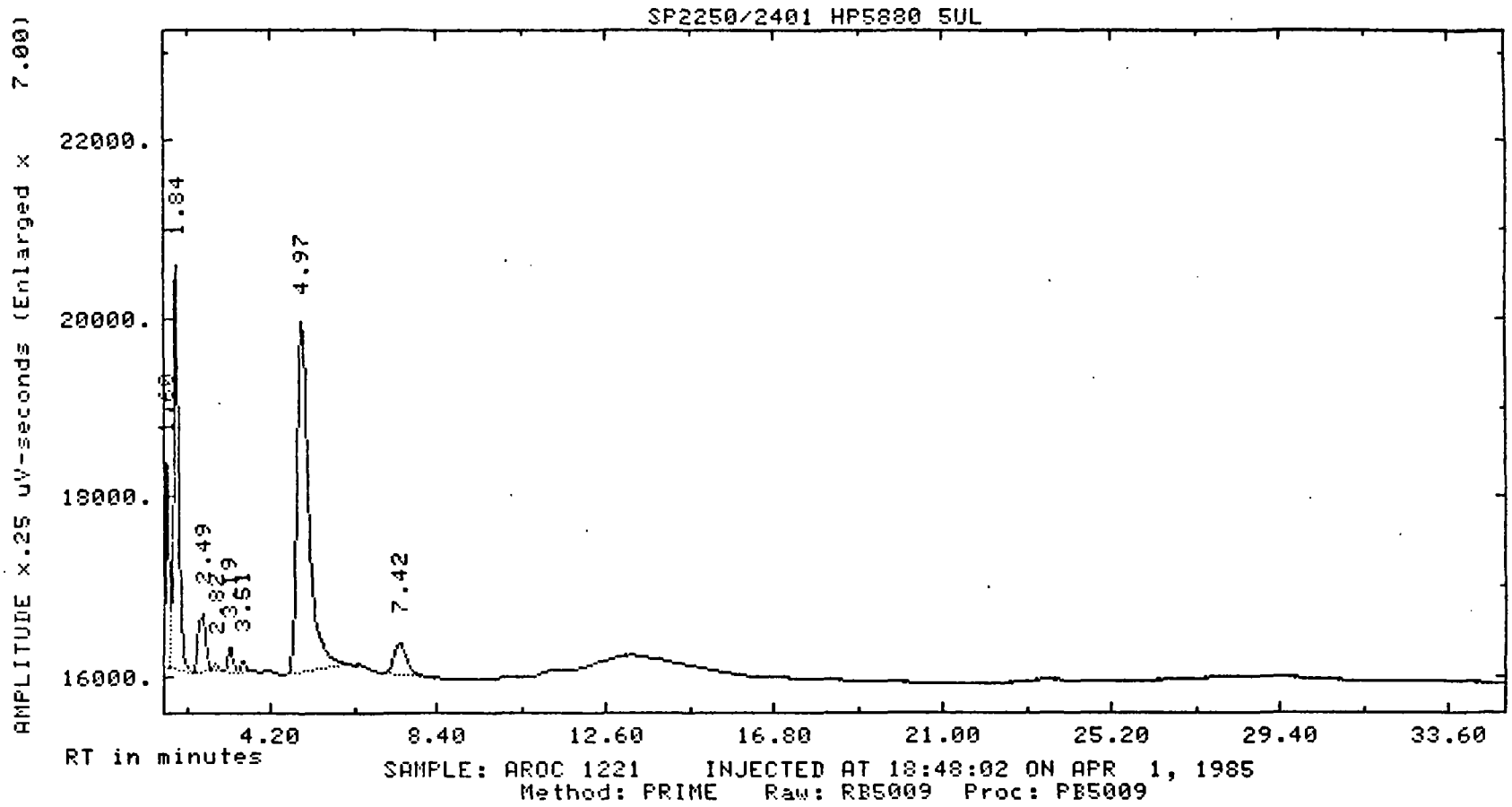
ENDED NOT ON BASELINE

RAW DATA FILE: RB5008 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 158

Case 3969



151

*LI,P,PB5009

PROCESSED DATA FILE: PB5009 ON CRN 21

Case 3969

APR 2, 1985 5:01:00

REPORT: 152 CHANNEL: 2 # PEAKS: -10 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.27	0.00	1.00000	1401	BV	1.755	
2	1.46	0.00	1.00000	1537	VV	1.924	
3	1.60	0.00	1.00000	7142	VV	8.945	
4	1.84	0.00	1.00000	19113	VB	23.938	
5	2.49	0.00	1.00000	4423	BV	5.538	
6	2.82	0.00	1.00000	300	VB	.376	
7	3.19	0.00	1.00000	1166	BV	1.461	
8	3.51	0.00	1.00000	497	VB	.623	
9	4.97	0.00	1.00000	40463	BB	50.701	
10	7.42	0.00	1.00000	3784	BB	4.740	

TOTAL AREA = 79846 TOTAL AREA % = 100.000

SAMPLE: AROC 1221 INJECTED AT 16:46:02 ON APR 1, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 9 BTL: 9

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

ACTUAL RUN TIME: 40.017 MINUTES

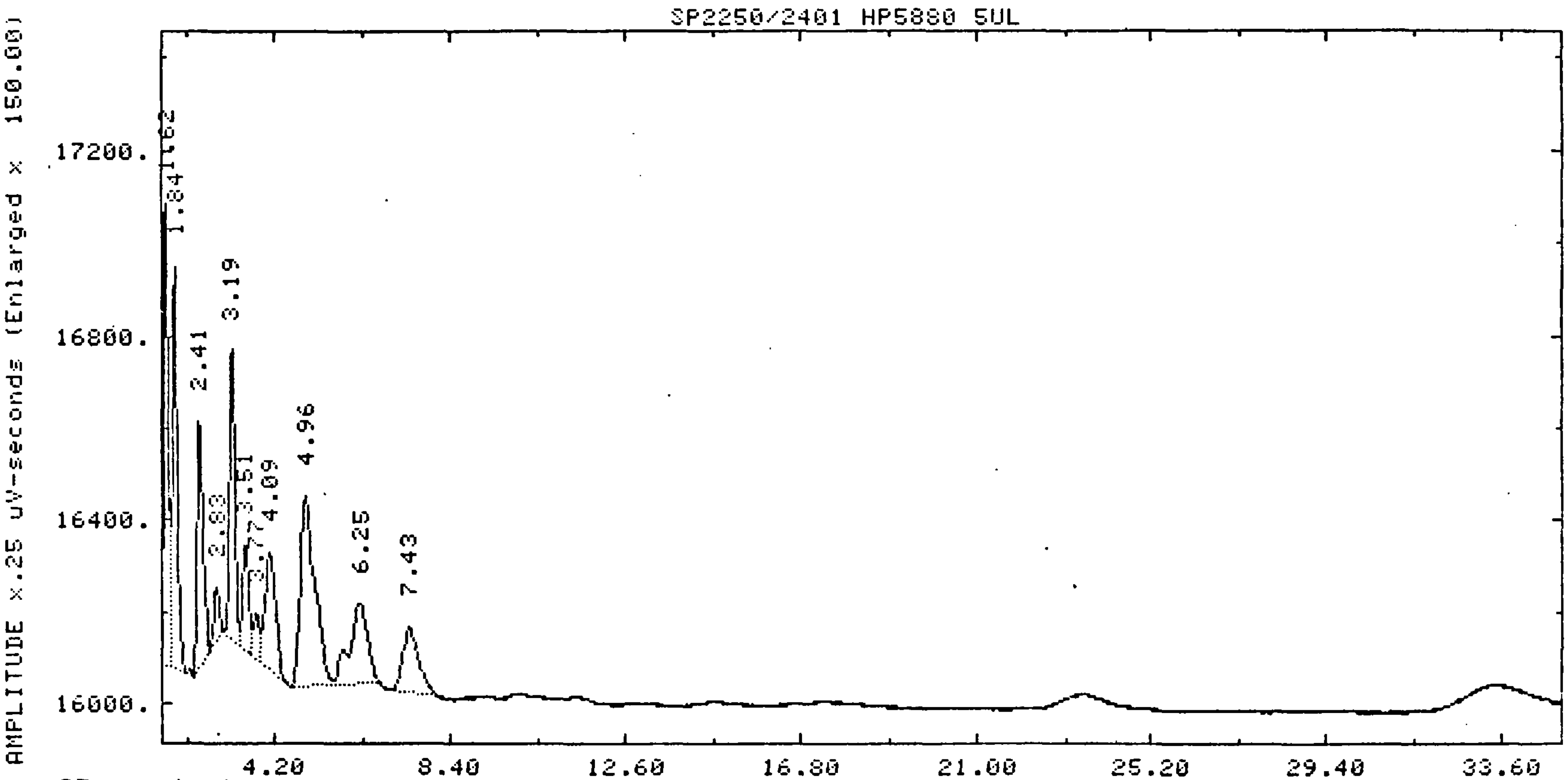
RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

RAW DATA FILE: RB5009 PARAM FILES= METHOD: SEQ:

DONE

IV 160

Case 3969



SAMPLE: AORC 1232 INJECTED AT 19:30:06 ON APR 1, 1985
Method: PRIME Raw: RB5010 Proc: PB5010

IV 161

READY
*LI,P,PB5010

PROCESSED DATA FILE: PB5010 ON CRN 21

Case 3969

APR 2, 1985 9:11:05

REPORT: 153 CHANNEL: 2 # PEAKS: -13 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.27	0.00	1.00000	135	BV	.498	
2	1.46	0.00	1.00000	201	VV	.738	
3	1.62	0.00	1.00000	3701	VV	13.592	
4	1.84	0.00	1.00000	3454	VB	12.691	
5	2.41	0.00	1.00000	2578	BV	9.472	
6	2.83	0.00	1.00000	510	VB	1.875	
7	3.19	0.00	1.00000	2893	BV	10.628	
8	3.51	0.00	1.00000	1181	VV	4.340	
9	3.77	0.00	1.00000	500	VV	1.838	
10	4.09	0.00	1.00000	2201	VB	8.381	
11	4.96	0.00	1.00000	5095	BV	18.720	
12	5.25	0.00	1.00000	2607	VB	9.600	
13	7.43	0.00	1.00000	1940	BB	7.126	

TOTAL AREA = 27218 TOTAL AREA % = 100.000

SAMPLE: AORC 1232 INJECTED AT 19:30:08 ON APR 1, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 10 BTL: 10

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

ACTUAL RUN TIME: 40.017 MINUTES

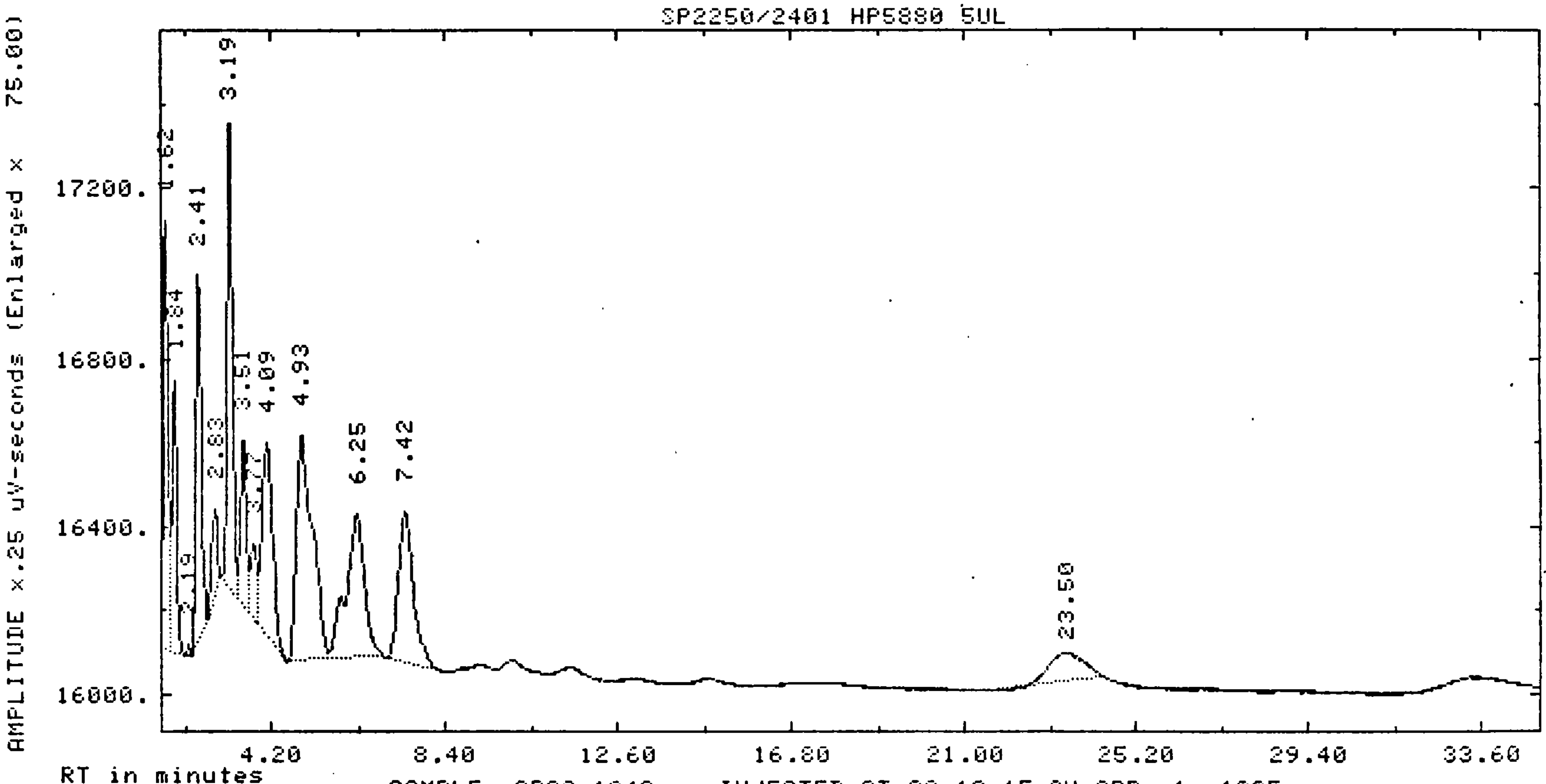
RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

RAW DATA FILE: RB5010 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 162

Case 3969



SAMPLE: AROC 1242 INJECTED AT 20:12:15 ON APR 1, 1985
Method: PRIME Raw: RB5011 Proc: PB5011

IV 163

*LI,P,PB5011

PROCESSED DATA FILE: PB5011 ON CRN 21

Case 3969

APR 2, 1985 9:11:48

REPORT: 154 CHANNEL: 2 # PEAKS: -14 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.16	0.00	1.00000	87	BB	.204	
2	1.62	0.00	1.00000	4207	BV	9.818	
3	1.84	0.00	1.00000	2428	VB	5.668	
4	2.19	0.00	1.00000	61	BB	.142	
5	2.41	0.00	1.00000	3826	BV	8.931	
6	2.83	0.00	1.00000	945	VB	2.205	
7	3.19	0.00	1.00000	5271	BV	12.303	
8	3.51	0.00	1.00000	2062	VV	4.812	
9	3.77	0.00	1.00000	911	VV	2.126	
10	4.00	0.00	1.00000	4153	VV	9.694	
11	4.93	0.00	1.00000	7282	VV	16.996	
12	6.25	0.00	1.00000	5331	VB	12.444	
13	7.42	0.00	1.00000	4504	BB	10.513	
14	23.50	0.00	1.00000	1776	BB	4.146	

TOTAL AREA = 42844 TOTAL AREA % = 100.000

SAMPLE: AR00 1242 INJECTED AT 20:12:15 ON APR 1, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 11 DTL: 11

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

ACTUAL RUN TIME: 40.000 MINUTES

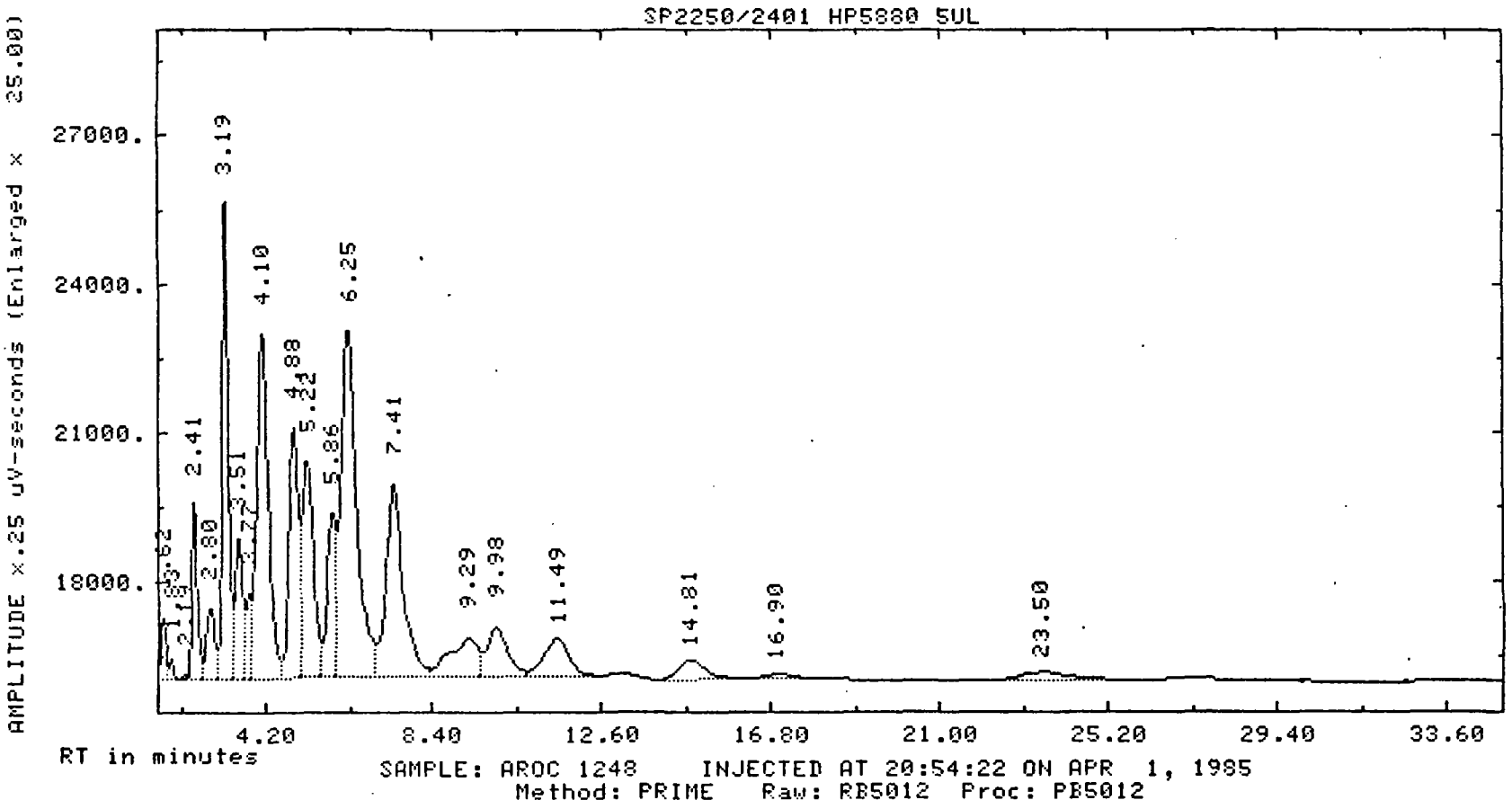
RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

RAW DATA FILE: RB5011 PARAM FILES= METHOD: SEQ:

DONE
READY

TU 164

Case 3969



SOIL

*LI,P,PB5012

PROCESSED DATA FILE: PB5012 ON CRN 21

Case 3969

APR 2, 1985 9:12:16

REPORT: 155 CHANNEL: 2 # PEAKS: -20 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.62	0.00	1.00000	5018	BV	.965	
2	1.83	0.00	1.00000	1350	VB	.260	
3	2.19	0.00	1.00000	276	BV	.053	
4	2.41	0.00	1.00000	16061	VV	3.088	
5	2.80	0.00	1.00000	9954	VV	1.921	
6	3.18	0.00	1.00000	51000	VV	9.850	
7	3.51	0.00	1.00000	17894	VV	3.440	
8	3.77	0.00	1.00000	7984	VV	1.535	
9	4.10	0.00	1.00000	70514	VV	13.557	
10	4.00	0.00	1.00000	41804	VV	8.000	
11	5.22	0.00	1.00000	41427	VV	7.964	
12	5.86	0.00	1.00000	26091	VV	5.016	
13	6.25	0.00	1.00000	96621	VV	18.576	
14	7.41	0.00	1.00000	62435	VV	12.003	
15	8.28	0.00	1.00000	18711	VV	3.597	
16	8.98	0.00	1.00000	17705	VV	3.404	
17	11.49	0.00	1.00000	16247	VB	3.124	
18	14.01	0.00	1.00000	9272	BV	1.782	
19	18.98	0.00	1.00000	2173	VB	.418	
20	23.50	0.00	1.00000	6601	BB	1.269	

TOTAL AREA = 520146 TOTAL AREA % = 100.000

SAMPLE: AROC 1240 INJECTED AT 20:54:22 ON APR 1, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 12 BTL: 12

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.20	5.0	100.00	YES

ACTUAL RUN TIME: 40.025 MINUTES

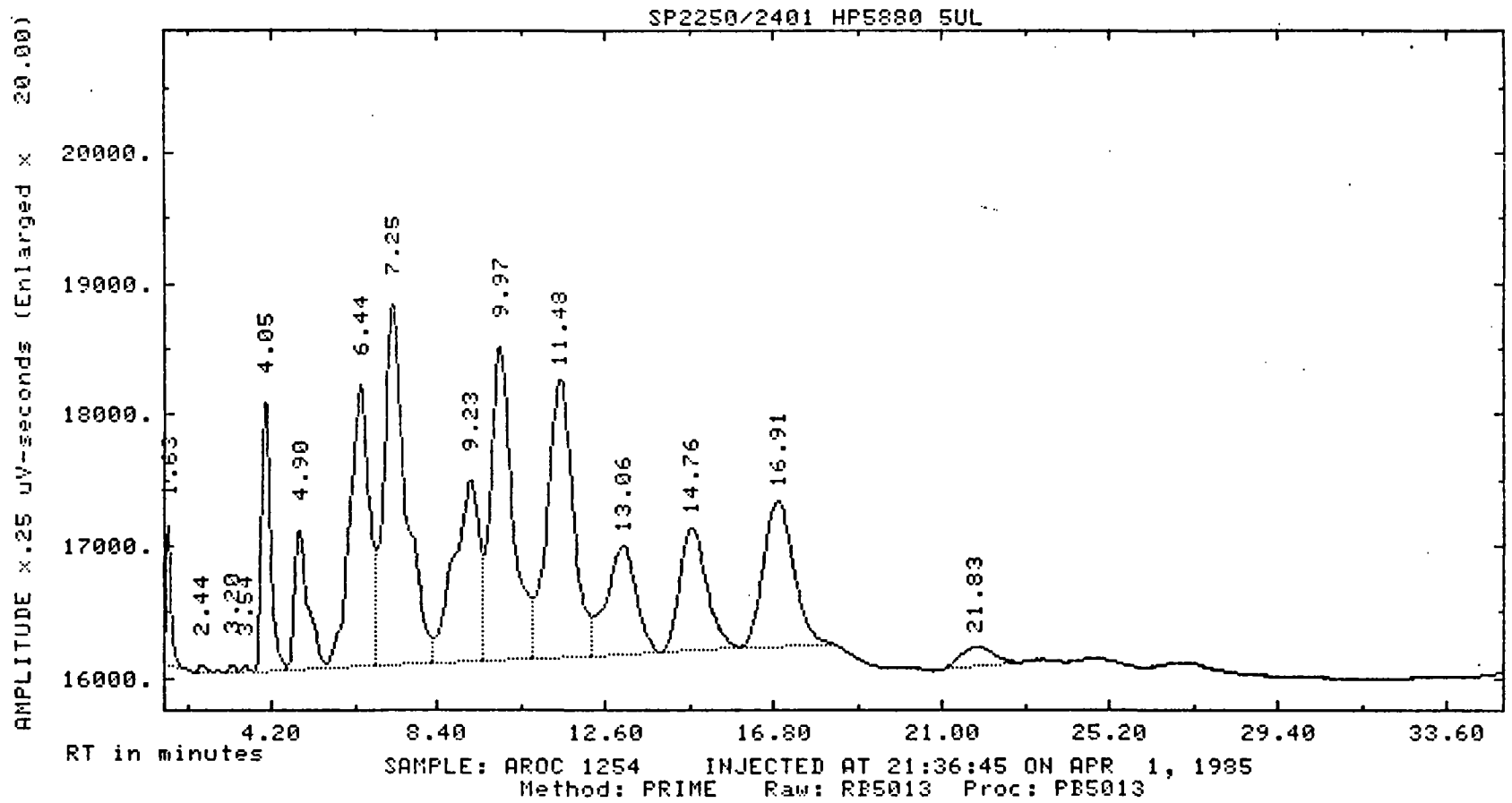
RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

RAW DATA FILE: RB5012 PARAM FILES= METHOD: SEQ:

DONE
READY

Tv 166

Case 3969


SP2250/2401 HP5880 5UL
AMPLITUDE x.25 uV-seconds (Enlarged x 20.00)
20000.
19000.
18000.
17000.
16000.
1.63
2.44
3.20
3.54
4.05
4.90
6.44
7.25
9.23
9.97
11.48
13.06
14.76
16.91
21.83
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: AROC 1254 INJECTED AT 21:36:45 ON APR 1, 1985
Method: PRIME Raw: RB5013 Proc: PB5013

*LI,P,PB5013

PROCESSED DATA FILE: PB5013 ON CRN 21

Case 3969

APR 2, 1985 9:12:47

REPORT: 156 CHANNEL: 2 # PEAKS: -16 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.16	0.00	1.00000	109	BB	.033	
2	1.63	0.00	1.00000	4606	BB	1.411	
3	2.44	0.00	1.00000	281	BB	.086	
4	3.20	0.00	1.00000	275	BB	.084	
5	3.54	0.00	1.00000	213	BB	.065	
6	4.05	0.00	1.00000	16000	BV	4.905	
7	4.90	0.00	1.00000	12447	VV	3.814	
8	6.44	0.00	1.00000	36640	VV	11.226	
9	7.25	0.00	1.00000	56377	VV	17.273	
10	9.23	0.00	1.00000	30547	VV	9.359	
11	9.97	0.00	1.00000	46161	VV	14.143	
12	11.40	0.00	1.00000	47582	VV	14.580	
13	13.06	0.00	1.00000	21117	VV	6.470	
14	14.76	0.00	1.00000	21548	VB	6.602	
15	16.91	0.00	1.00000	28208	BB	8.642	
16	21.83	0.00	1.00000	4192	BB	1.284	

TOTAL AREA = 326391 TOTAL AREA % = 100.000

SAMPLE: AROC 1254 INJECTED AT 21:30:45 ON APR 1, 1985

ZERO METHOD: PRIME SEQ: SH03A SUBSQ/SAMP: 1 / 13 BTL: 13

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

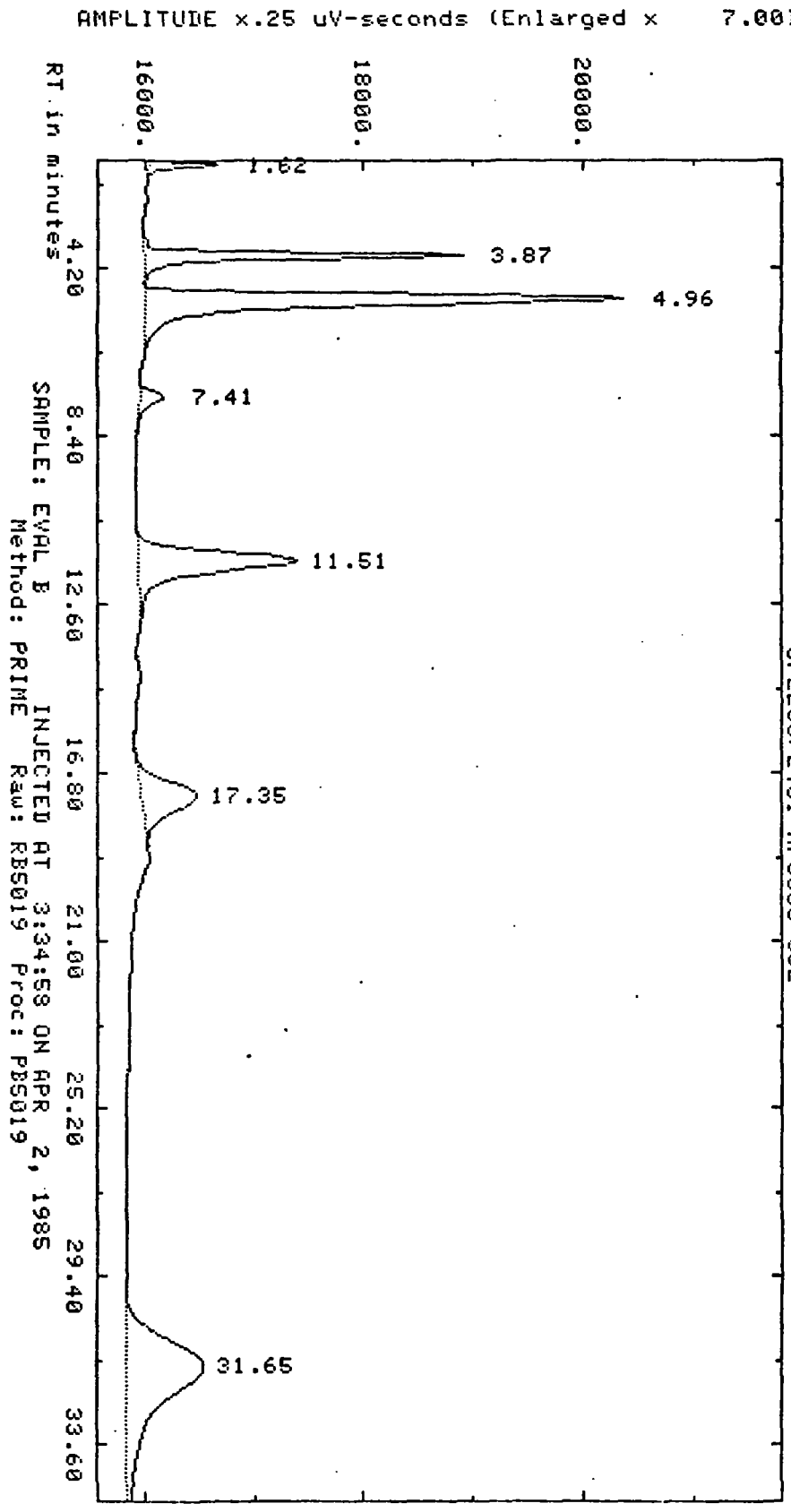
ACTUAL RUN TIME: 40.017 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

RAW DATA FILE: RB5013 PARAM FILES= METHOD: SEQ:

DONE
READY

IC 168



Case 3969

IV 169

*LI,P,PB5019

PROCESSED DATA FILE: PB5019 ON CRN 21

Case 3969

APR 2, 1985 9:16:09

REPORT: 162 CHANNEL: 2 # PEAKS: -8 SP2250/2401 HP5880 5UL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.16	0.00	1.00000	112	BB	.076	
2	1.62	0.00	1.00000	2556	BB	1.719	
3	3.87	0.00	1.00000	18119	BB	12.185	Aldrin
4	4.86	0.00	1.00000	46246	BB	31.099	
5	7.41	0.00	1.00000	2585	BB	1.739	
6	11.51	0.00	1.00000	25195	BB	16.943	Endrin
7	17.35	0.00	1.00000	12764	BB	8.583	pp'-DDT
8	31.65	0.00	1.00000	41123	BB	27.658	Dibutylchlorendate

TOTAL AREA = 148707 TOTAL AREA % = 100.000

SAMPLE: EVAL B INJECTED AT 3:34:58 ON APR 2, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 19 BTL: 19

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

ACTUAL RUN TIME: 40.017 MINUTES

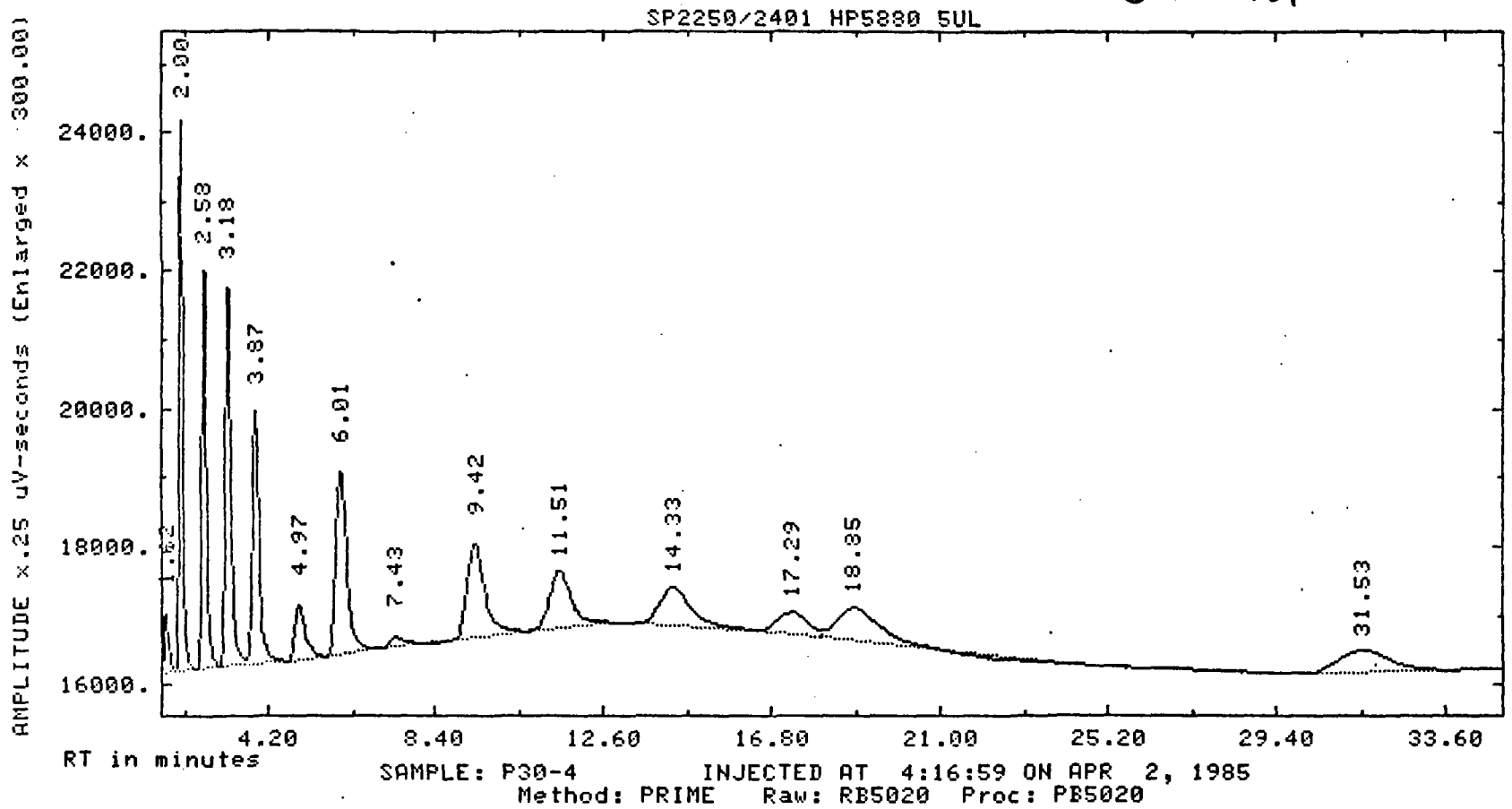
RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

RAW DATA FILE: RB5019 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 170

Case 3969


SP2250/2401 HP5880 5UL
AMPLITUDE x.25 uV-seconds (Enlarged x 300.00)
24000.
22000.
20000.
18000.
16000.
2.00
2.58
3.18
3.87
1.62
4.97
6.01
7.43
9.42
11.51
14.33
17.29
18.85
31.53
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: P30-4 INJECTED AT 4:16:59 ON APR 2, 1985
Method: PRIME Raw: RB5020 Proc: PB5020

*LI,P,PB5020

Case 3969

PROCESSED DATA FILE: PB5020 ON CRN 21

APR 2, 1985 9:16:33

REPORT: 163 CHANNEL: 2 # PEAKS: -14 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.62	0.00	1.00000	3417	BV	1.547	
2	2.00	0.00	1.00000	24782	VB	11.222	α-BHC
3	2.58	0.00	1.00000	22619	BV	10.243	β-BHC
4	3.18	0.00	1.00000	28109	VV	12.729	Heptachlor
5	3.87	0.00	1.00000	21767	VB	9.857	Aldrin
6	4.97	0.00	1.00000	6928	BB	3.138	
7	6.01	0.00	1.00000	24385	BB	11.034	Heptachlor Epoxide
8	7.43	0.00	1.00000	1519	BB	.688	
9	9.42	0.00	1.00000	20266	BB	9.177	Dieldrin
10	11.51	0.00	1.00000	14705	BB	6.659	Endrin
11	14.33	0.00	1.00000	14641	BB	6.630	pp'-DDD
12	17.20	0.00	1.00000	8279	BV	3.749	pp'-DDT
13	18.85	0.00	1.00000	15721	VB	7.119	Endrin Aldehyde
14	31.53	0.00	1.00000	13706	BB	6.207	~~Dibu~~ BL Endrin Ketone

TOTAL AREA = 220824 TOTAL AREA % = 100.000

SAMPLE: P30-4 INJECTED AT 4:16:53 ON APR 2, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 20 BTL: 20

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

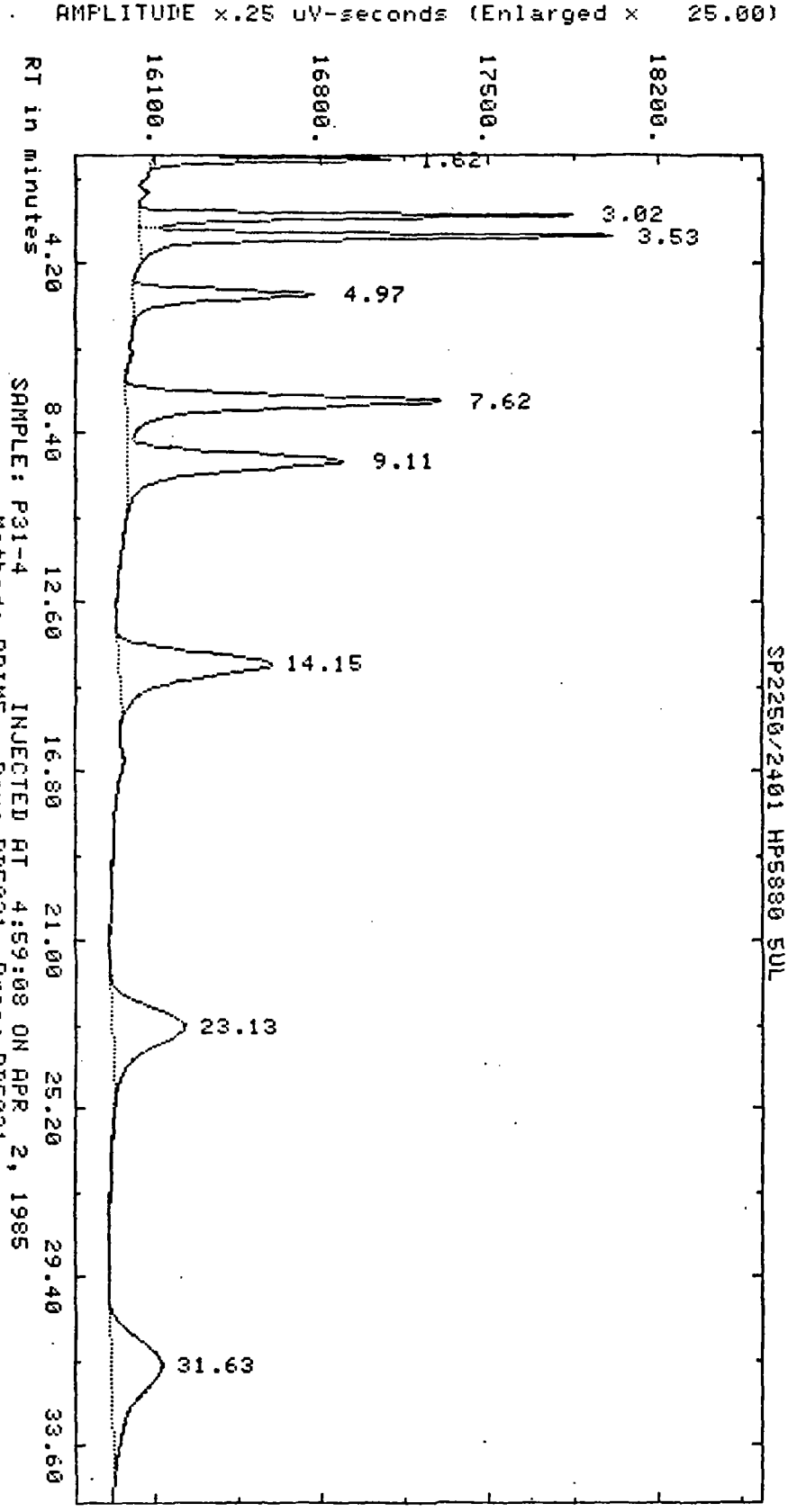
ACTUAL RUN TIME: 40.000 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

RAW DATA FILE: RB5020 PARAM FILES= METHOD: SEQ:

DONE
READY

TV 172



Case 5969

IV 173

*LI,P,PB5021

Case 3969

PROCESSED DATA FILE: PB5021 ON CRN 21

APR 2, 1985 9:16:57

REPORT: 164 CHANNEL: 2 # PEAKS: -10 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.18	0.00	1.00000	119	BB	.119	
2	1.62	0.00	1.00000	4268	BB	4.280	
3	3.02	0.00	1.00000	9501	BV	9.526	β-BHC
4	3.53	0.00	1.00000	11692	VB	11.725	γ-BHC
5	4.97	0.00	1.00000	6957	BB	7.006	
6	7.62	0.00	1.00000	16210	BV	16.255	Endosulfan I
7	9.11	0.00	1.00000	14334	VB	14.374	pp'-DDE
8	14.15	0.00	1.00000	14292	BB	14.333	Endosulfan II
9	23.13	0.00	1.00000	11005	BB	11.035	
10	31.63	0.00	1.00000	11312	BB	11.344	Dibutyl chlorendate

TOTAL AREA = 99719 TOTAL AREA % = 100.000

SAMPLE: P31-4 INJECTED AT 4:59:08 ON APR 2, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 21 BTL: 21

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

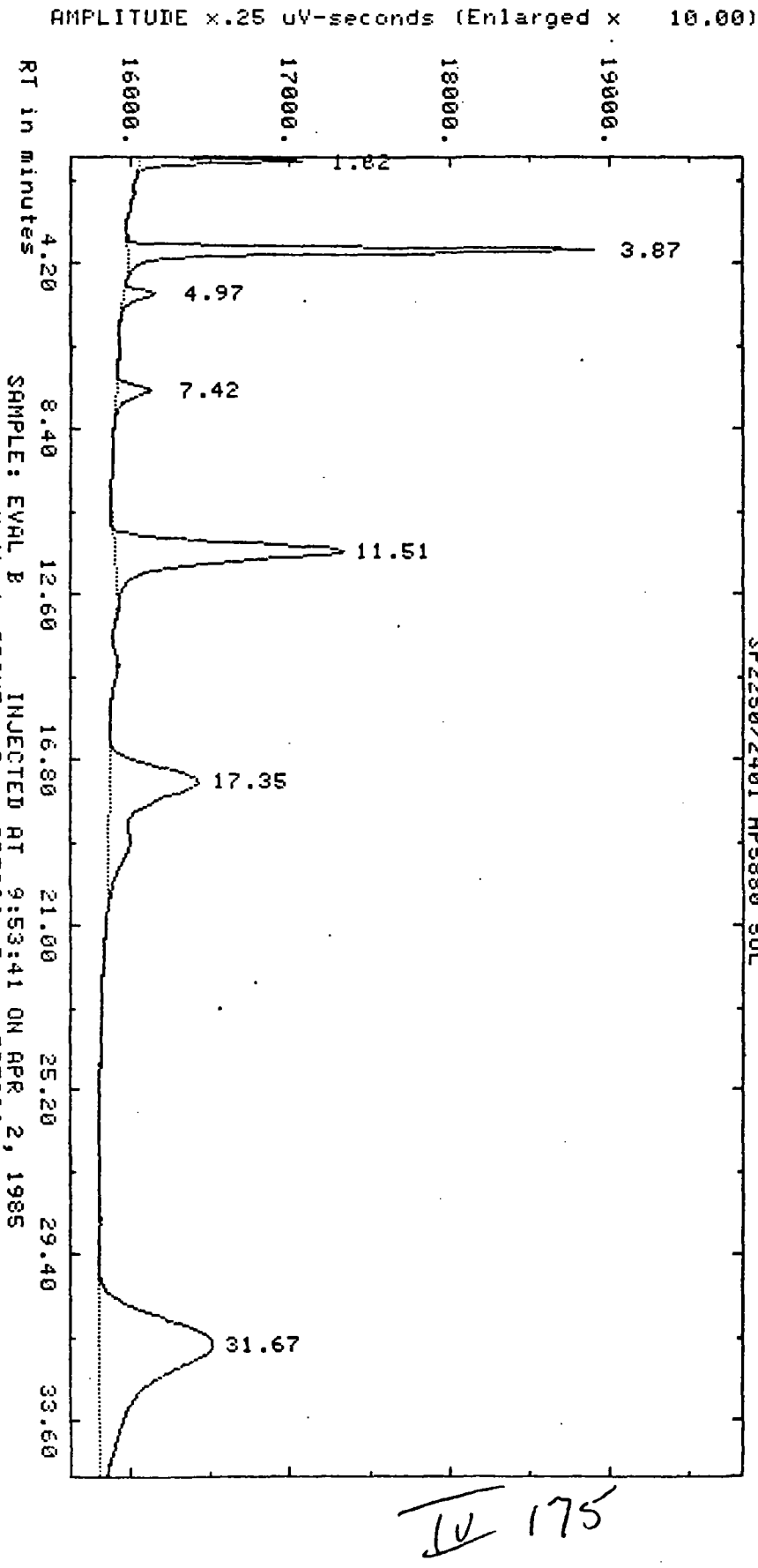
ACTUAL RUN TIME: 40.025 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

RAW DATA FILE: RB5021 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 174



Case 3969

IV 175

Case 3969

*LI,P,PB5026

*ROCESSED DATA FILE: PB5026 ON CRN 21

*PR 2, 1985 10:35:15

*EPORT: 169 CHANNEL: 2 # PEAKS: -7 SP2250/2401 HP5880 SUL

*EAK	RT	ITM	FACTOR	AREA	AREA %	NAME
1	1.62	0.00	1.00000	4282 BB	3.759	
2	3.87	0.00	1.00000	17653 BB	15.500	Aldrin
3	4.97	0.00	1.00000	1662 BB	1.460	
4	7.42	0.00	1.00000	2402 BB	2.109	
5	11.51	0.00	1.00000	24548 BB	21.554	Endrin
6	17.35	0.00	1.00000	20731 BB	18.203	pp'-DDT
7	31.67	0.00	1.00000	42612 BB	37.415	Dibutylchlorendate

*OTAL AREA = 113891 TOTAL AREA % = 100.000

*AMPLE: EVAL B INJECTED AT 9:53:41 ON APR 2, 1985

ERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 26 BTL: 26

*L-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

*UP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISD
NO	0.00	0	.30	5.0	100.00	YES

*CTUAL RUN TIME: 40.017 MINUTES

*F-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

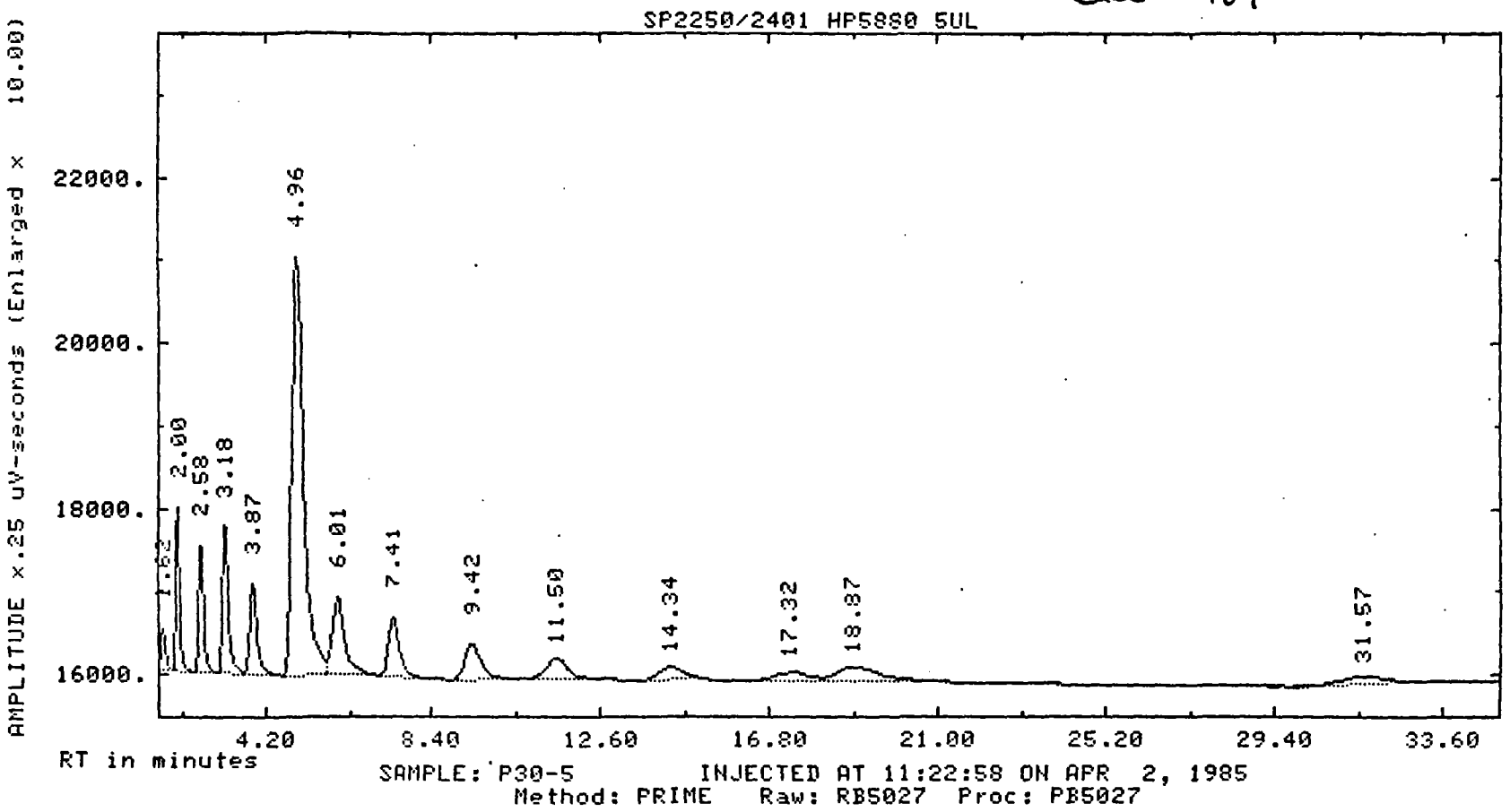
*AW DATA FILE: RB5026 PARAM FILES= METHOD: SEQ:

*ONE

IV 176

Case 3969

LL1 71



*LI,P,PB5027

PROCESSED DATA FILE: PB5027 ON CRN 21

Case 3969

APR 2, 1985 11:50:34

REPORT: 170 CHANNEL: 2 # PEAKS: -13 SP2250/2401 HP5880 5UL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.16	0.00	1.00000	149	BB	.121	
2	1.63	0.00	1.00000	1884	BB	1.521	
3	2.00	0.00	1.00000	6955	BB	5.617	α-BHC
4	2.58	0.00	1.00000	6811	BV	5.501	γ-BHC
5	3.18	0.00	1.00000	9413	VB	7.602	Heptachlor
6	3.87	0.00	1.00000	6874	BB	5.551	Aldrin
7	4.97	0.00	1.00000	45860	BV	37.034	
8	6.01	0.00	1.00000	10041	VB	8.109	Heptachlor Epoxide
9	7.44	0.00	1.00000	2418	BB	1.953	
10	9.43	0.00	1.00000	8282	BB	6.688	Dieldrin
11	11.51	0.00	1.00000	8021	BB	6.478	Endrin
12	14.31	0.00	1.00000	12637	BB	10.205	pp'-DDD
13	31.46	0.00	1.00000	4483	BB	3.621	Endrin Ketone

TOTAL AREA = 123830 TOTAL AREA % = 100.000

SAMPLE: P30-5 INJECTED AT 10:35:39 ON APR 2, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 27 BTL: 27

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

ACTUAL RUN TIME: 40.025 MINUTES

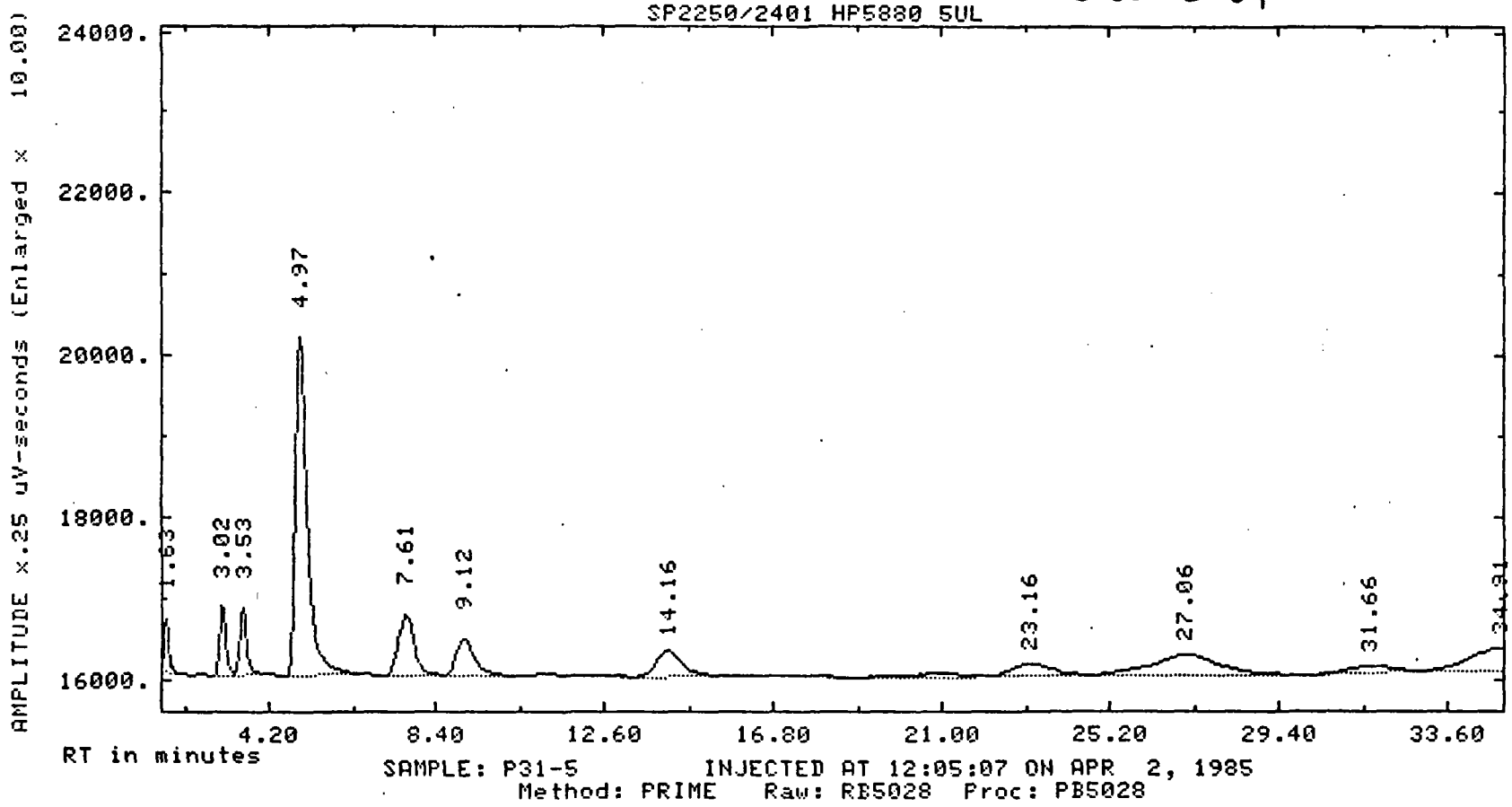
RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

RAW DATA FILE: RB5027 PARAM FILES= METHOD: SEQ:

DONE

IV 178

Case 3969


SP2250/2401 HP5880 5UL
AMPLITUDE x.25 uV-seconds (Enlarged x 10.00)
24000.
22000.
20000.
18000.
16000.
1.63
3.02
3.53
4.97
7.61
9.12
14.16
23.16
27.06
31.66
34.31
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: P31-5 INJECTED AT 12:05:07 ON APR 2, 1985
Method: PRIME Raw: RB5028 Proc: PB5028

READY
*LI,P,PB5028

Case 3969

PROCESSED DATA FILE: PB5028 ON CRN 21

APR 2, 1985 14:11:53

REPORT: 172 CHANNEL: 2 # PEAKS: -11 SP2250/2401 HP5880 5UL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.62	0.00	1.00000	2664	BB	2.240	
2	3.02	0.00	1.00000	4370	BV	3.675	B-BHC
3	3.53	0.00	1.00000	4817	VB	4.050	δ-BHC
4	4.97	0.00	1.00000	42929	BB	36.098	
5	7.61	0.00	1.00000	10036	BB	8.439	Endosulfan I
6	9.12	0.00	1.00000	6545	BB	5.504	pp'-DDE
7	14.16	0.00	1.00000	6710	BB	5.642	Endosulfan II
8	23.16	0.00	1.00000	6035	BB	5.075	Endosulfan Sulfate
9	27.06	0.00	1.00000	13966	BB	11.744	
10	31.66	0.00	1.00000	2852	BB	2.398	Dibutylchlorendate
11	34.91	0.00	1.00000	18000	BB	15.136	

TOTAL AREA = 118925 TOTAL AREA % = 100.000

SAMPLE: P31-5 INJECTED AT 12:05:07 ON APR 2, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 28 BTL: 28

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

ACTUAL RUN TIME: 40.017 MINUTES

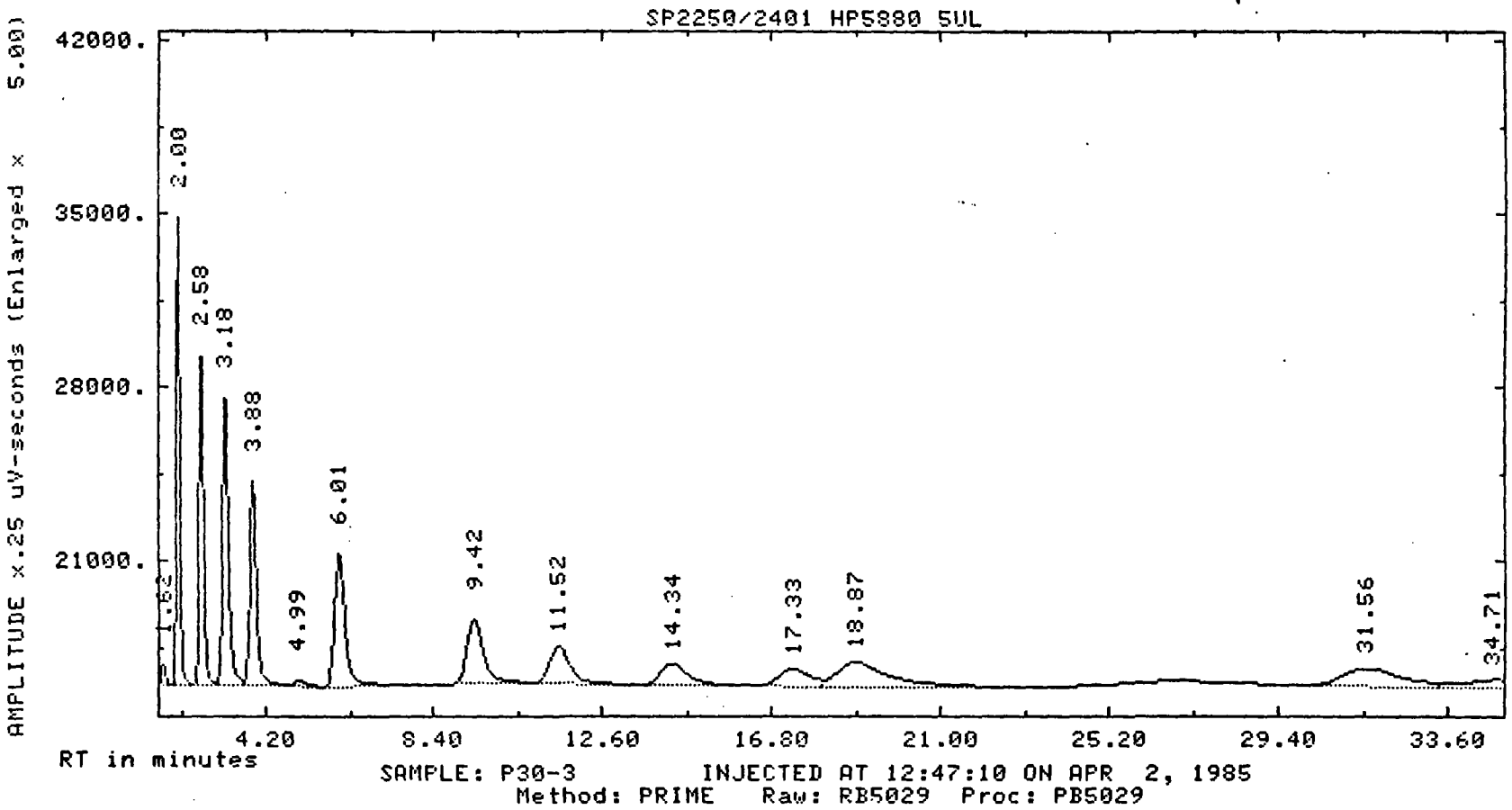
RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

RAW DATA FILE: RB5028 PARAM FILES= METHOD: SEQ:

DONE
READY

II 180

Case 3969



181 II

*LI,P,PB5029

PROCESSED DATA FILE: PB5029 ON CRN 21 Case 3961

APR 2, 1985 14:12:19

REPORT: 173 CHANNEL: 2 # PEAKS: -15 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.16	0.00	1.00000	89	BB	.019	
2	1.62	0.00	1.00000	3404	BV	.728	
3	2.00	0.00	1.00000	58313	VV	12.473	α-BHC
4	2.58	0.00	1.00000	52120	VV	11.149	γ-BHC
5	3.18	0.00	1.00000	58295	VV	12.470	Heptachlor
6	3.80	0.00	1.00000	46493	VB	9.945	Aldrin
7	4.99	0.00	1.00000	1685	BB	.360	
8	6.01	0.00	1.00000	48926	BB	10.465	Heptachlor Epoxide
9	9.42	0.00	1.00000	37070	BB	7.929	Dieldrin
10	11.52	0.00	1.00000	25483	BB	5.451	Endrin
11	14.34	0.00	1.00000	20910	BB	4.473	pp'-DDD
12	17.33	0.00	1.00000	18651	BV	3.990	pp'-DDT
13	18.87	0.00	1.00000	42418	VB	9.073	Endrin Aldehyde
14	31.56	0.00	1.00000	34765	BV	7.436	Endrin Ketone
15	34.71	0.00	1.00000	18875	VB	4.037	Methoxychlor

TOTAL AREA = 467498 TOTAL AREA % = 100.000

SAMPLE: P30-3 INJECTED AT 12:47:10 ON APR 2, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 29 BTL: 29

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

ACTUAL RUN TIME: 40.025 MINUTES

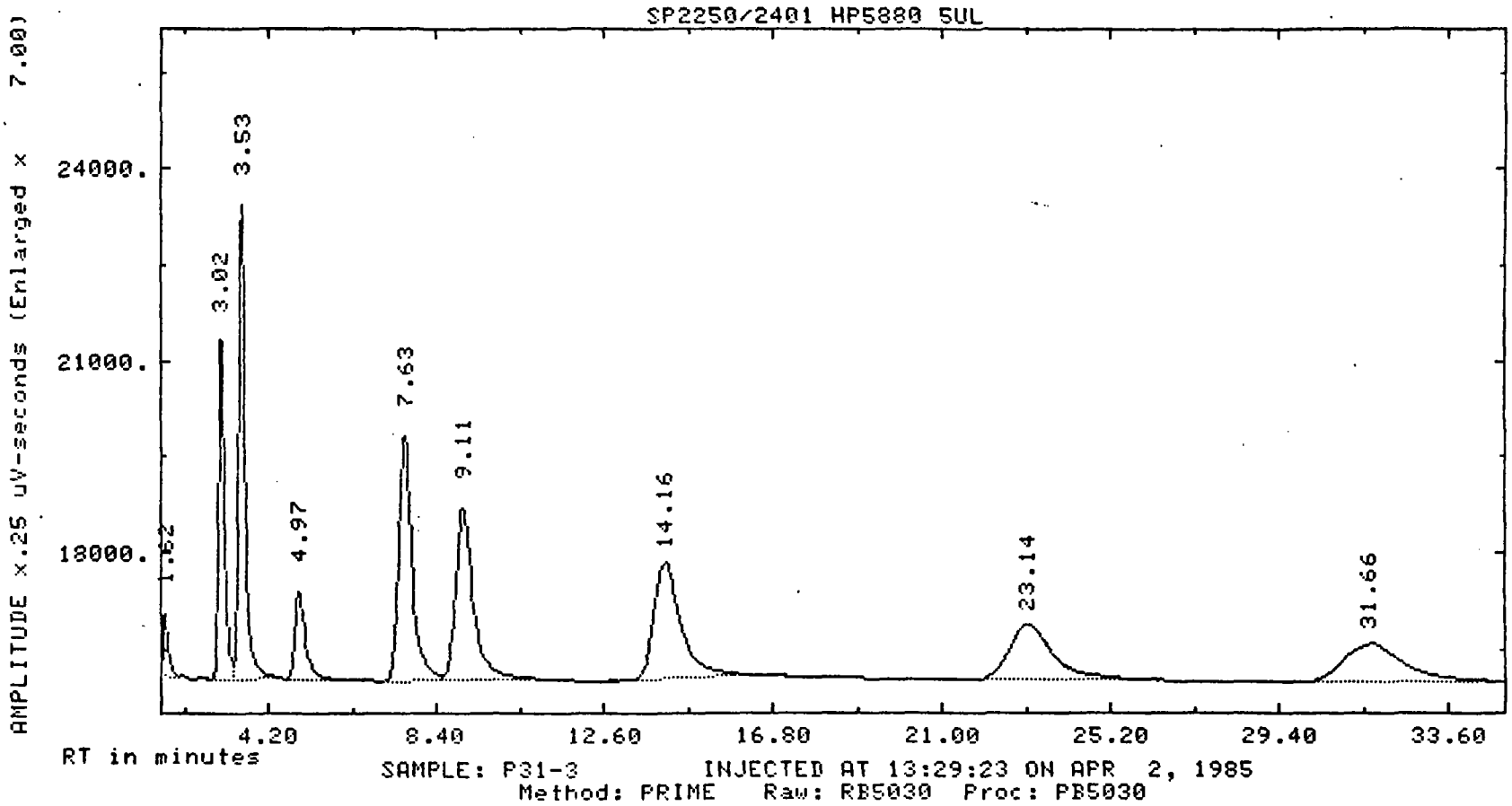
RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

RAW DATA FILE: RB5025 PARAM FILES= METHOD: SEQ:

DONE
READY

TV 182

Case 3969



E81 TT

*LI,P,PB5030

PROCESSED DATA FILE: PB5030 ON CRN 21

Case 3969

APR 2, 1985 14:12:47

REPORT: 174 CHANNEL: 2 # PEAKS: -10 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.19	0.00	1.00000	135	BB	.049	
2	1.62	0.00	1.00000	4252	BB	1.538	
3	3.02	0.00	1.00000	27402	BV	9.910	β-BHC
4	3.53	0.00	1.00000	40629	VB	14.694	δ-BHC
5	4.97	0.00	1.00000	12851	BB	4.648	
6	7.63	0.00	1.00000	45275	BV	16.374	Endosulfan I
7	9.11	0.00	1.00000	41393	VB	14.970	pp'-ODE
8	14.16	0.00	1.00000	39915	BB	14.436	Endosulfan II
9	23.14	0.00	1.00000	32344	BB	11.581	Endosulfan Sulfate
10	31.66	0.00	1.00000	32404	BB	11.719	Dibutylchlorendate

TOTAL AREA = 276501 TOTAL AREA % = 100.000

SAMPLE: P31-3 INJECTED AT 13:29:23 ON APR 2, 1985

ZERO METHOD: PRIME SEQ: SMO3A SUBSQ/SAMP: 1 / 30 BTL: 30

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISQ
NO	0.00	0	.30	5.0	100.00	YES

ACTUAL RUN TIME: 40.017 MINUTES

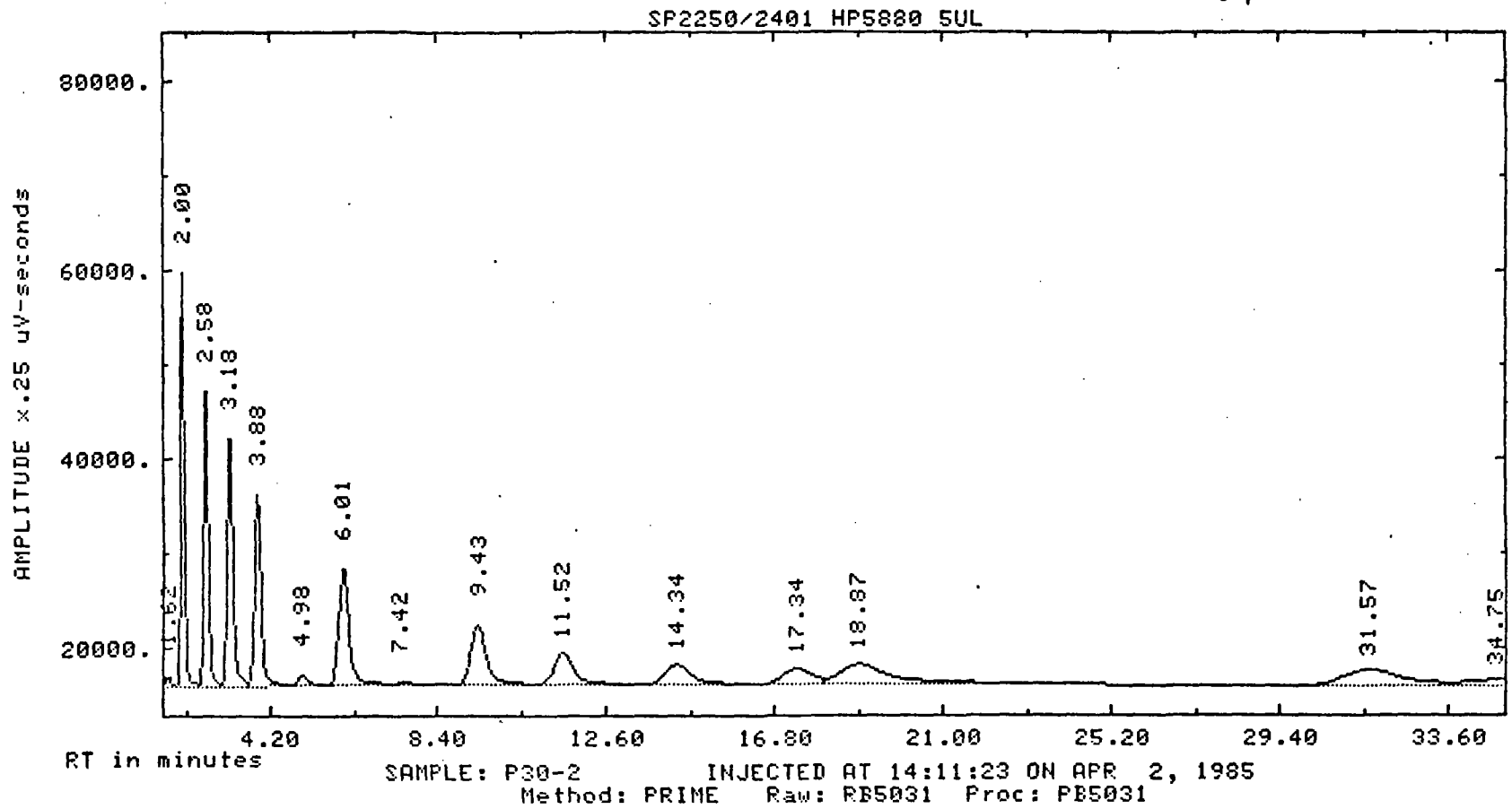
RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

RAW DATA FILE: RB5030 PARAM FILES= METHOD: SEQ:

DONE

IV 184

Case 3969



SBI II

READY
*LI,P,PB5031

PROCESSED DATA FILE: PB5031 ON CRN 21

Case 3969

APR 2, 1985 15:20:45

REPORT: 175 CHANNEL: 2 # PEAKS: -15 SP2250/2401 HP5880 5UL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.62	0.00	1.00000	3989	BV	.357	
2	2.00	0.00	1.00000	145409	VV	13.006	a-BHC
3	2.58	0.00	1.00000	130008	VV	11.628	γ-BHC
4	3.18	0.00	1.00000	134595	VV	12.039	Heptachlor
5	3.88	0.00	1.00000	117560	VV	10.515	Aldrin
6	4.93	0.00	1.00000	9743	VB	.871	
7	6.01	0.00	1.00000	113601	BV	10.161	Heptachlor Epoxide
8	7.42	0.00	1.00000	3014	VB	.270	
9	9.43	0.00	1.00000	87258	BV	7.805	Dieldrin
10	11.52	0.00	1.00000	59783	VB	5.347	Endrin
11	14.34	0.00	1.00000	50437	BV	4.511	pp'-DDD
12	17.34	0.00	1.00000	44722	VV	4.000	pp'-DDT
13	18.87	0.00	1.00000	94166	VB	8.422	Endrin Aldehyde
14	31.57	0.00	1.00000	79908	BV	7.147	Endrin Ketone
15	34.75	0.00	1.00000	43840	VB	3.921	Methoxychlor

TOTAL AREA = 1118033 TOTAL AREA % = 100.000

SAMPLE: P30-2 INJECTED AT 14:11:23 ON APR 2, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 31 BTL: 31

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

ACTUAL RUN TIME: 40.017 MINUTES

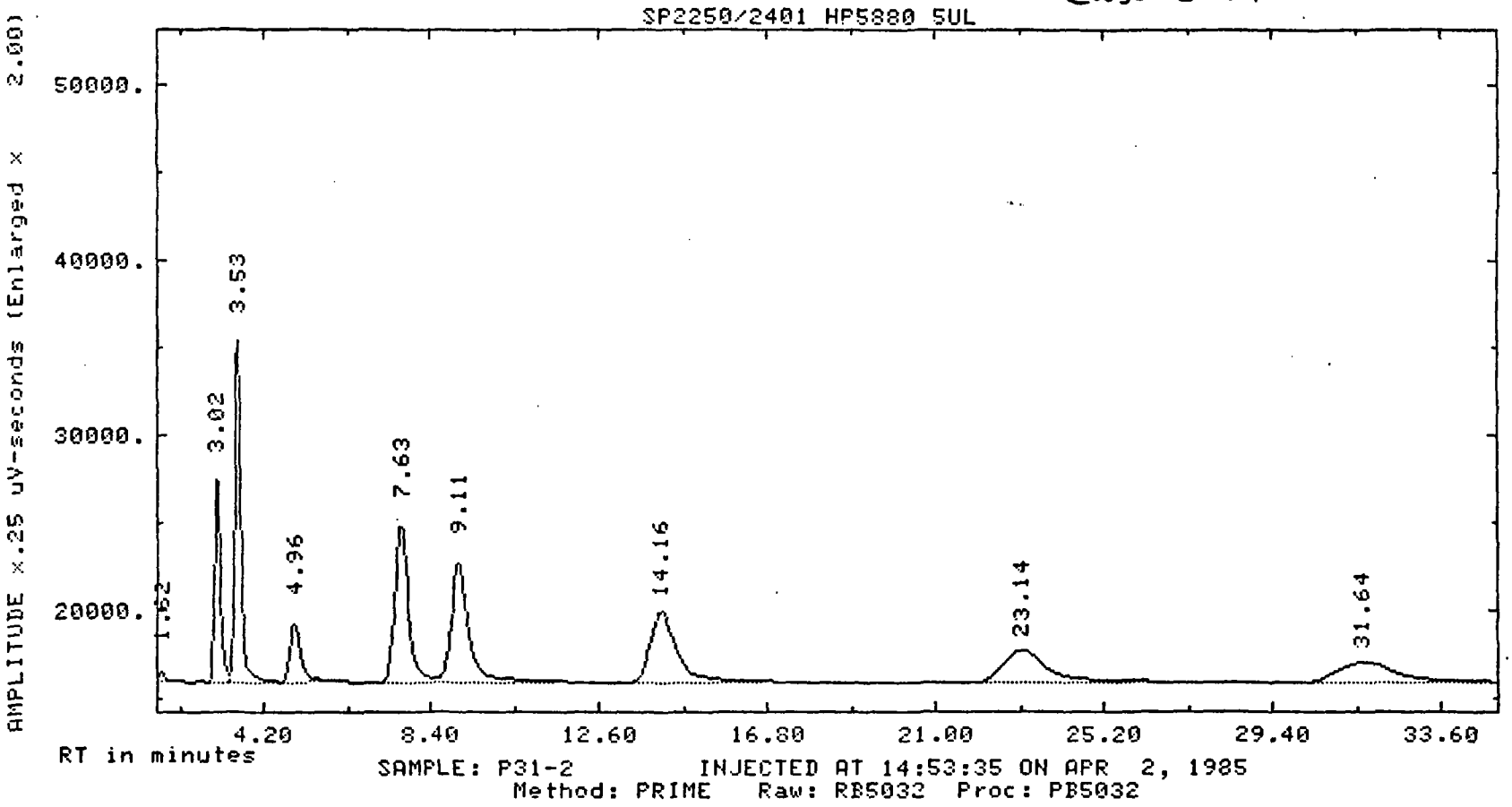
RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

RAW DATA FILE: RB5031 PARAM FILES= METHOD: SEQ:

DONE

IV 186

Case 3969


SP2250/2401 HP5880 5UL
AMPLITUDE x.25 uV-seconds (Enlarged x 2.00)
50000.
40000.
30000.
20000.
1.62
3.02
3.53
4.96
7.63
9.11
14.16
23.14
31.64
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: P31-2 INJECTED AT 14:53:35 ON APR 2, 1985
Method: PRIME Raw: RB5032 Proc: PB5032

*LI,P,PB5032

PROCESSED DATA FILE: PB5032 ON CRN 21

Case 3969

APR 2, 1985 15:35:01

REPORT: 176 CHANNEL: 2 # PEAKS: -10 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.19	0.00	1.00000	119	BB	.019	
2	1.62	0.00	1.00000	2388	BB	.379	
3	3.02	0.00	1.00000	60432	BV	9.596	β-BHC
4	3.53	0.00	1.00000	108013	VV	17.152	δ-BHC
5	4.96	0.00	1.00000	32439	VB	5.151	
6	7.63	0.00	1.00000	104343	BV	16.570	Endosulfan I
7	9.11	0.00	1.00000	101215	VB	16.073	pp'-DDE
8	14.16	0.00	1.00000	91582	BB	14.543	Endosulfan II
9	23.14	0.00	1.00000	69502	BB	11.037	Endosulfan Sulfate
10	31.64	0.00	1.00000	59695	BB	9.478	Dibutylchlorendate

TOTAL AREA = 629729 TOTAL AREA % = 100.000

SAMPLE: P31-2 INJECTED AT 14:53:35 ON APR 2, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 32 BTL: 32

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

ACTUAL RUN TIME: 40.017 MINUTES

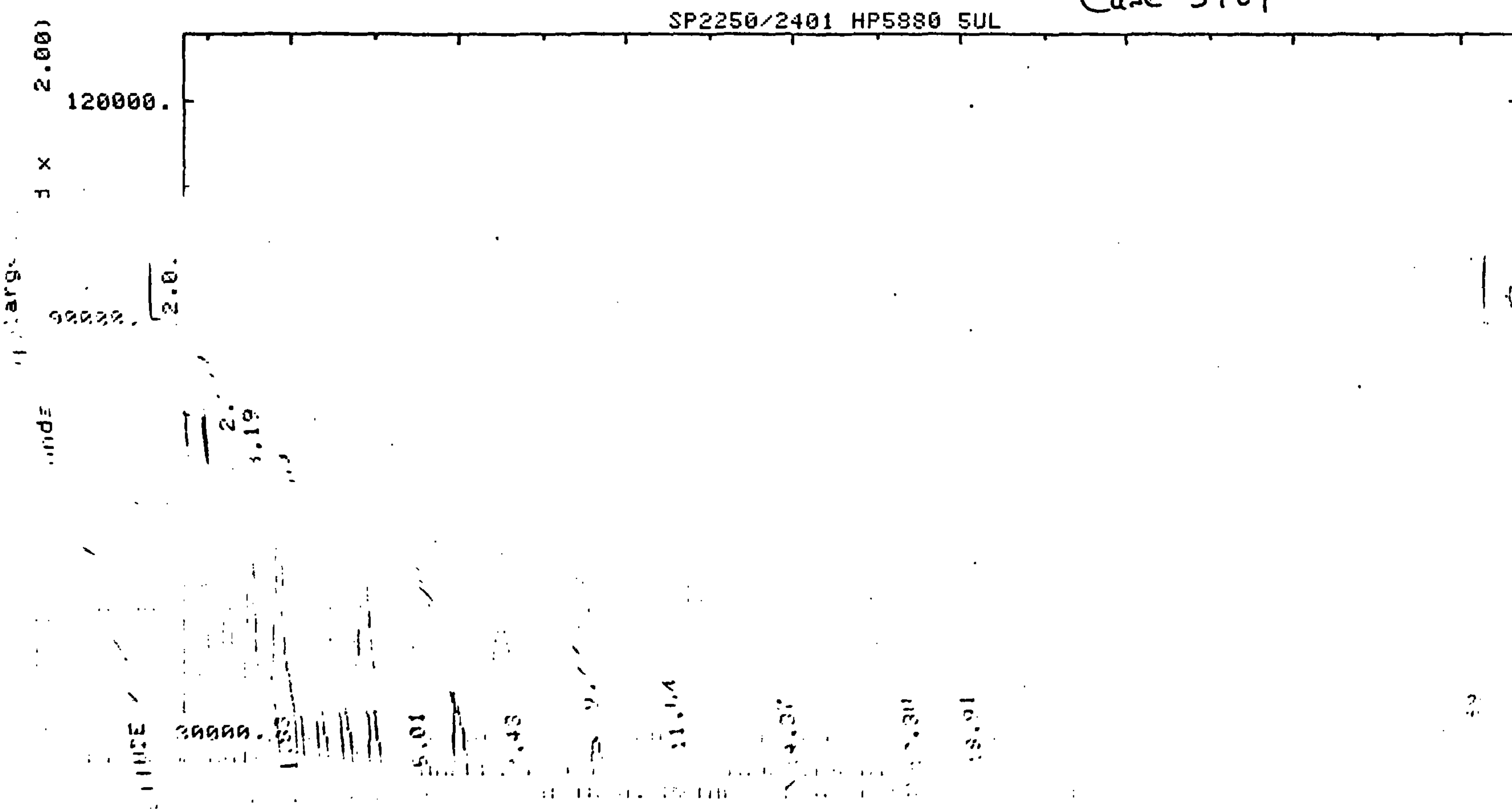
RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

RAW DATA FILE: RB5032 PARAM FILES= METHOD: SEQ:

DONE

IV 188

Case 3969



READY
READY
>LI.P.PB5033

PROCESSED DATA FILE: PD5033 ON CRN 21 Case 3969

APR 2, 1985 17:13:14

REPORT: 177 CHANNEL: 2 # PEAKS: -17 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.04	0.00	1.00000	59	BB	.003	
2	1.32	0.00	1.00000	483	BV	.026	
3	1.62	0.00	1.00000	2769	VV	.147	
4	2.01	0.00	1.00000	246057	VV	13.100	α-BHC
5	2.59	0.00	1.00000	220223	VV	11.724	γ-BHC
6	3.19	0.00	1.00000	227803	VV	12.133	Heptachlor
7	3.89	0.00	1.00000	217375	VV	11.573	Aldrin
8	5.01	0.00	1.00000	17843	VV	.950	
9	6.03	0.00	1.00000	187601	VV	9.987	Heptachlor Epoxide
10	7.43	0.00	1.00000	8307	VB	.442	
11	9.44	0.00	1.00000	162290	BV	8.640	Dieldrin
12	11.54	0.00	1.00000	118712	VV	6.320	Endrin
13	14.37	0.00	1.00000	77034	VV	4.101	pp'-DDD
14	17.30	0.00	1.00000	69893	VV	3.721	pp'-DDT
15	18.91	0.00	1.00000	140658	VB	7.489	Endrin Aldehyde
16	31.69	0.00	1.00000	121022	BV	6.443	Endrin Ketone
17	34.90	0.00	1.00000	60126	VB	3.201	Methoxychlor

TOTAL AREA = 1878357 TOTAL AREA % = 100.000

SAMPLE: P30-1 INJECTED AT 15:35:36 ON APR 2, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 33 BTL: 33

SL-WDTH	MV/MIN	DELAY	-MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

ACTUAL RUN TIME: 40.017 MINUTES

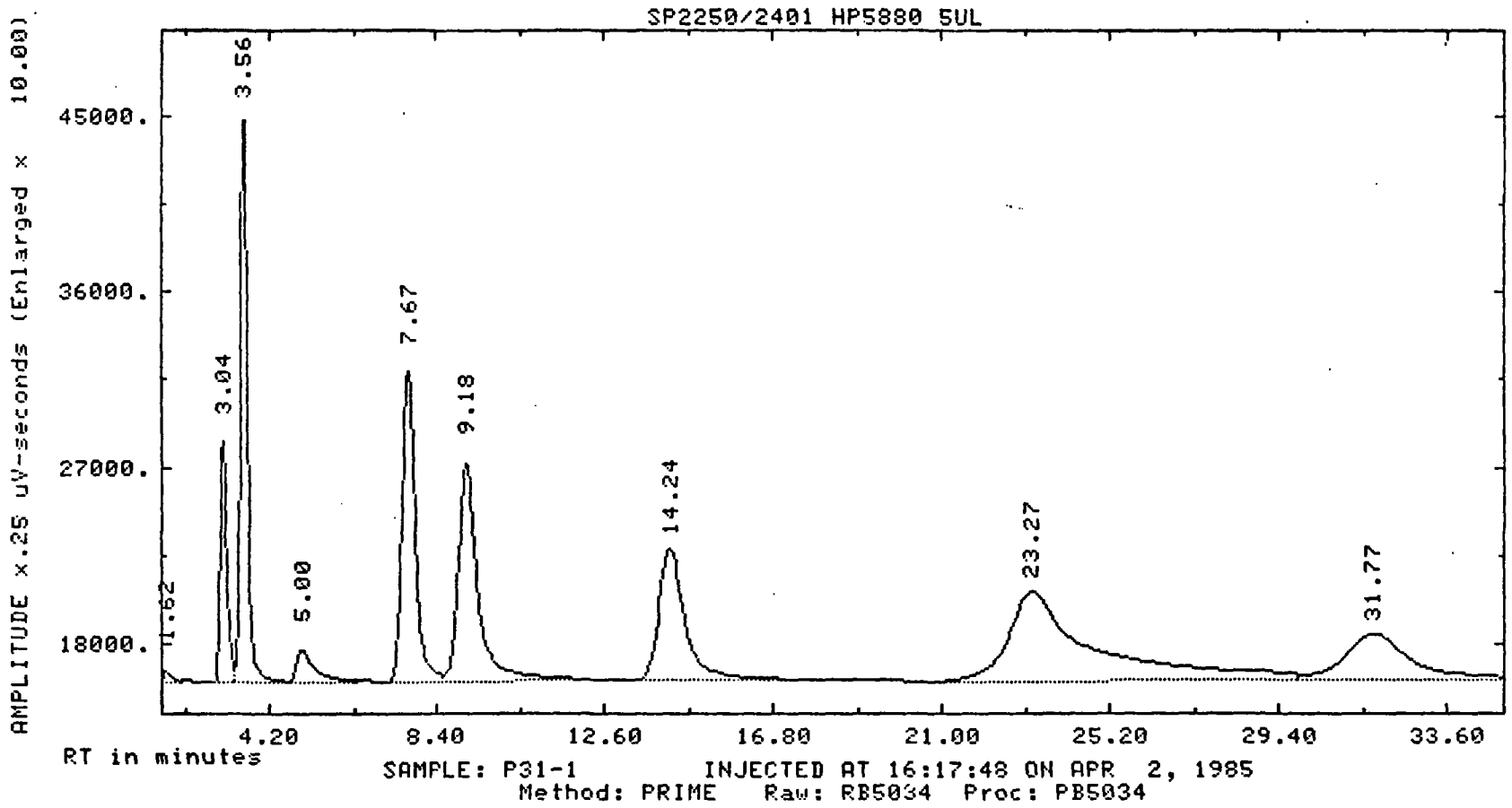
RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

RAW DATA FILE: RB5033 PARAM FILES= METHOD: SEQ:

DONE
READY

IV 190

Case 3969


SP2250/2401 HP5880 5UL
AMPLITUDE x.25 uV-seconds (Enlarged x 10.00)
45000.
36000.
27000.
18000.
1.62
3.04
3.56
5.00
7.67
9.18
14.24
23.27
31.77
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: P31-1 INJECTED AT 16:17:48 ON APR 2, 1985
Method: PRIME Raw: RB5034 Proc: PB5034

*LI,P,PB5034

PROCESSED DATA FILE: PB5034 ON CRN 21

Case 3969

APR 2, 1995 17:13:39

REPORT: 178 CHANNEL: 2 # PEAKS: -10 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.20	0.00	1.00000	98	BB	.008	
2	1.62	0.00	1.00000	2920	BB	.231	
3	3.04	0.00	1.00000	72813	BV	5.764	B-BHC
4	3.56	0.00	1.00000	177697	VV	14.066	δ-BHC
5	5.00	0.00	1.00000	24182	VB	1.914	
6	7.67	0.00	1.00000	183237	BV	14.505	Endosulfan I
7	9.18	0.00	1.00000	189098	VB	14.969	pp'-DDE
8	14.24	0.00	1.00000	152782	BB	12.094	Endosulfan II
9	23.27	0.00	1.00000	327855	BV	25.954	Endosulfan Sulfate
10	31.77	0.00	1.00000	132582	VB	10.495	Dibutylchlorendate

TOTAL AREA = 1263274 TOTAL AREA % = 100.000

SAMPLE: P31-1 INJECTED AT 16:17:48 ON APR 2, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 34 BTL: 34

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

ACTUAL RUN TIME: 40.017 MINUTES

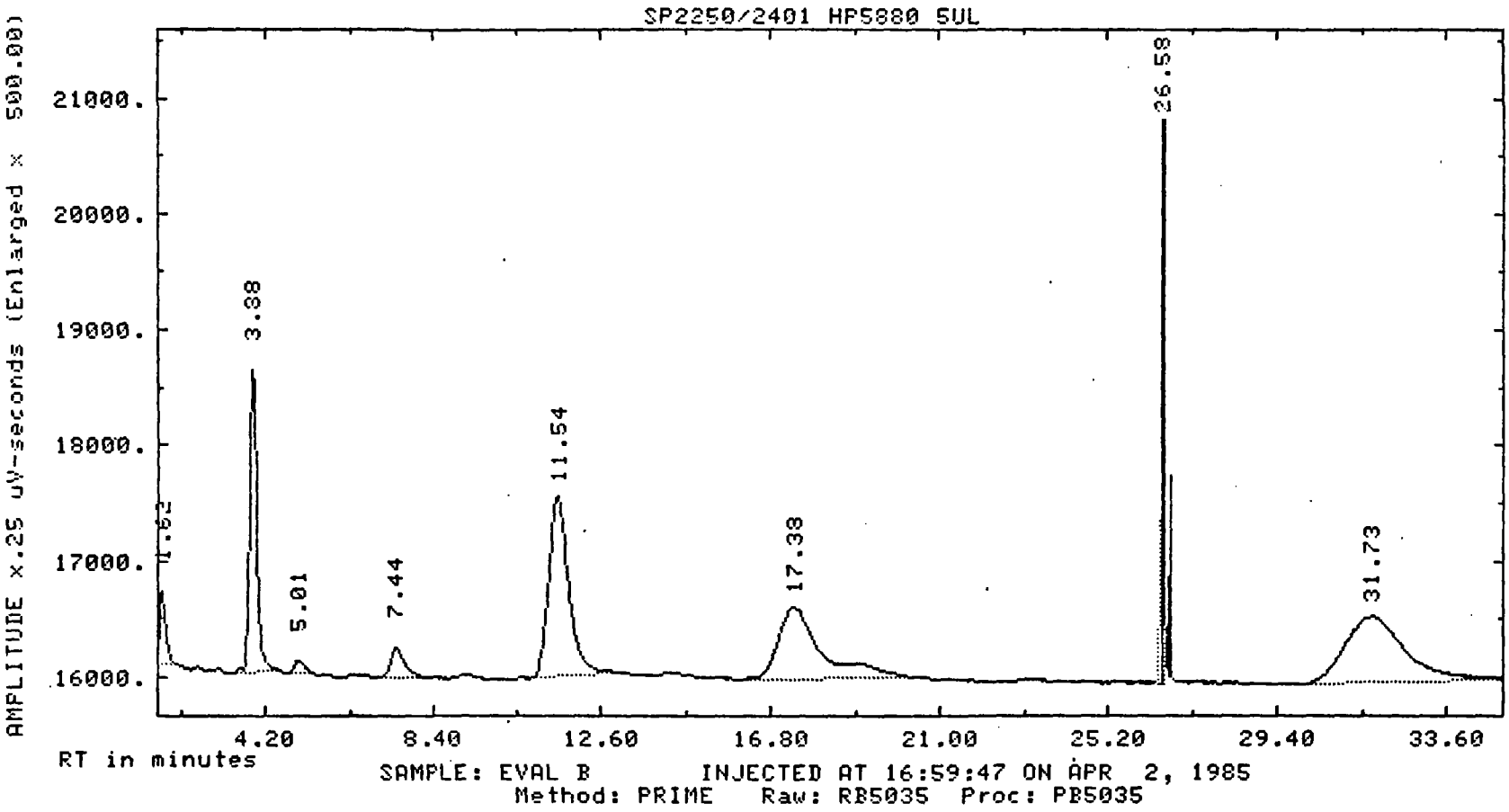
RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

RAW DATA FILE: R25034 PARAM FILES= METHOD: SEQ:

DONE

IV 192

Case 3969


SP2250/2401 HP5880 5UL
AMPLITUDE x.25 uV-seconds (Enlarged x 500.00)
21000.
20000.
19000.
18000.
17000.
16000.
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
3.38
5.01
7.44
11.54
17.38
26.58
31.73
SAMPLE: EVAL B INJECTED AT 16:59:47 ON APR 2, 1985
Method: PRIME Raw: RB5035 Proc: PB5035

READY
-LI.P.PB5035

PROCESSED DATA FILE: PB5035 ON CRN 21 Case 3969

APR 3, 1985 10:02:26

REPORT: 179 CHANNEL: 2 # PEAKS: -9 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.31	0.00	1.00000	180	BB	.008	
2	1.62	0.00	1.00000	3174	BB	.141	
3	3.88	0.00	1.00000	16367	BB	.725	Aldrin
4	5.01	0.00	1.00000	902	BB	.040	
5	7.44	0.00	1.00000	3198	BB	.142	
6	11.54	0.00	1.00000	26674	BB	1.182	Endrin
7	17.38	0.00	1.00000	22181	BB	.982	pp'-DDT
8	26.58	0.00	1.00000	2154482	BS	95.431	
9	31.73	0.00	1.00000	30477	BB	1.350	Dibutylchlorendate

TOTAL AREA = 2257637 TOTAL AREA % = 100.000

SAMPLE: EVAL B INJECTED AT 16:59:47 ON APR 2, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 35 BTL: 35

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

ACTUAL RUN TIME: 40.017 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

RAW DATA FILE: RB5035 PARAM FILES= METHOD: SEQ:

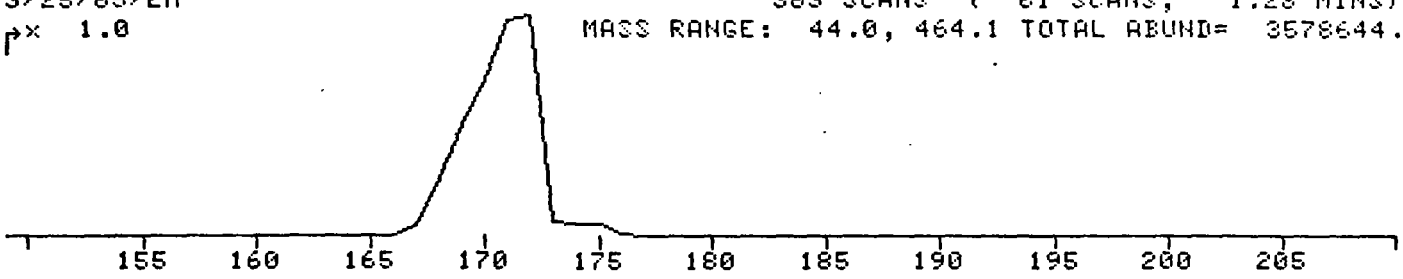
DONE

TE 194

V. R/W QC DATA PACKET

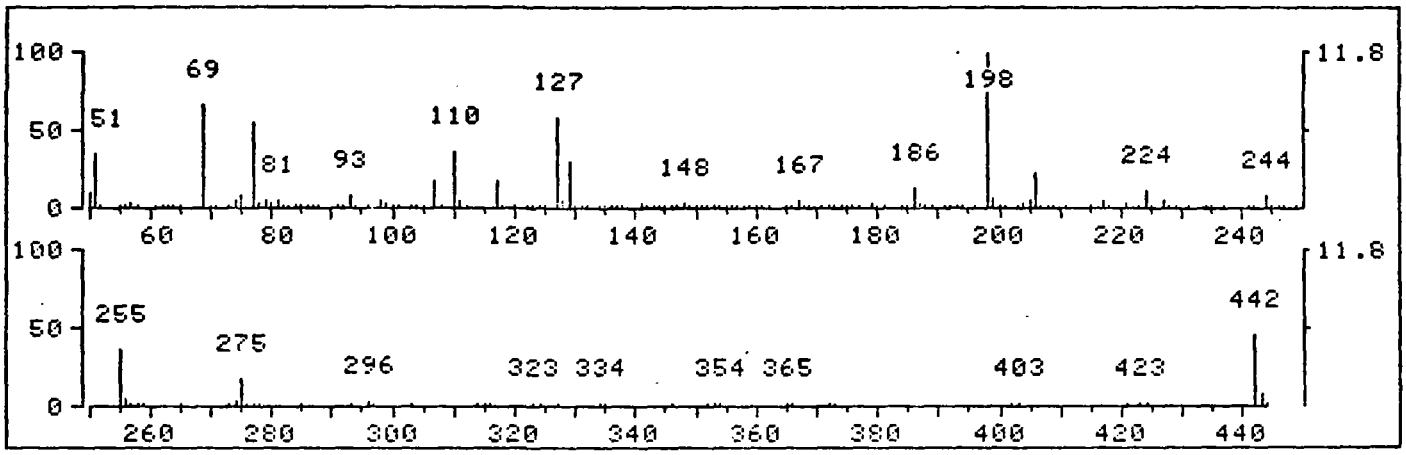
DFTPP
3/25/85/EM
↱× 1.0

DRN 14741, USRN 10
383 SCANS (61 SCANS, 1.28 MINS)
MASS RANGE: 44.0, 464.1 TOTAL ABUND= 3578644.



SCAN #

172 RET. TIME: 5.60 TOT ABUND= 222234. BASE PK/ABUND: 198.0/ 26314.



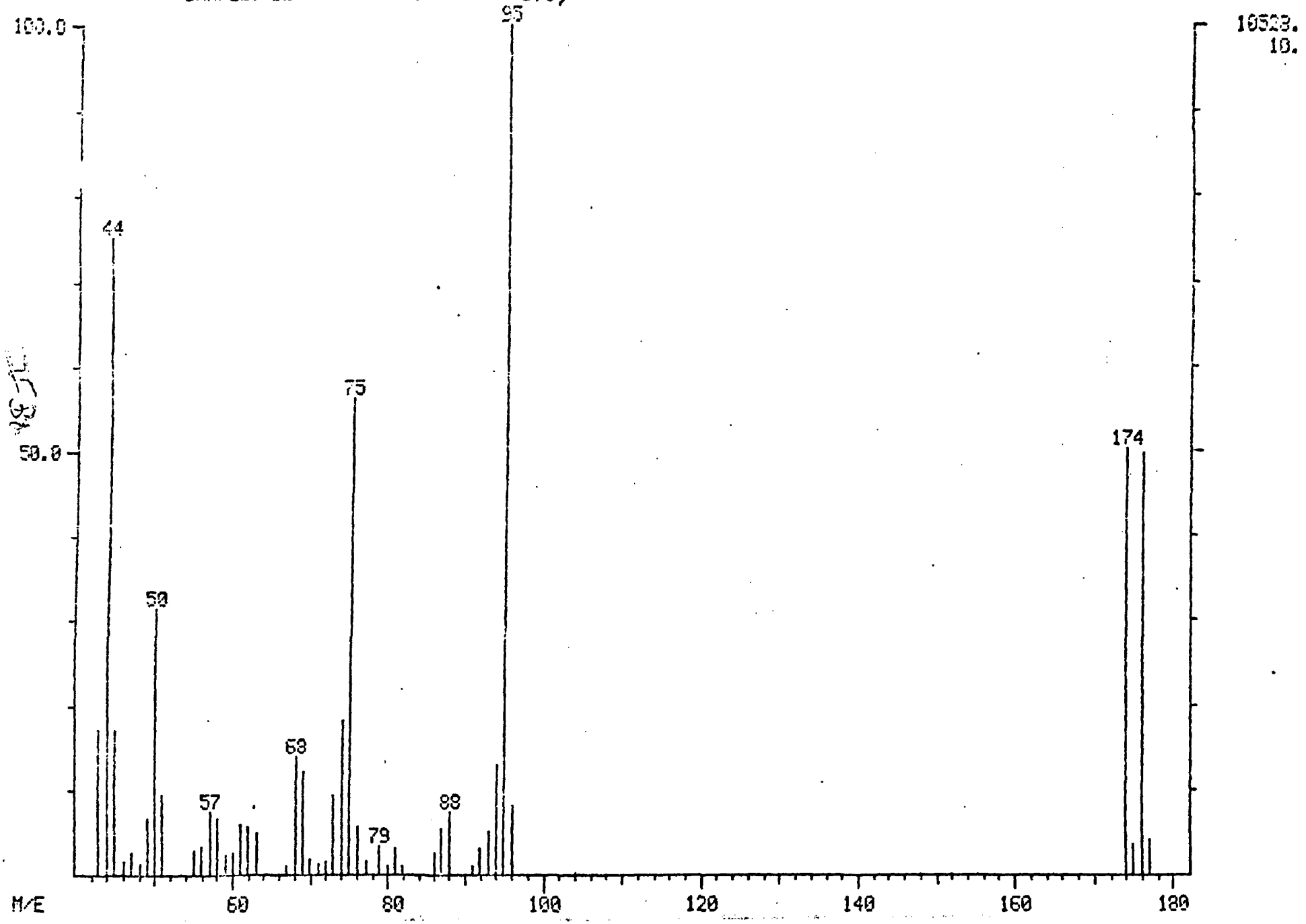
DRN: 14741
SPECTRUM: 172

Mass	Rel. Abund.	Criterion
51	35.0688	30-60% MASS 198
68	0	< 2% MASS 69
69	66.2613	
70	.463632	< 2% MASS 69
127	58.3454	40-60% MASS 198
197	0	< 1% MASS 198
198	100	BASE PEAK
199	6.70366	5-9% MASS 198
275	17.5344	10-30% MASS 198
365	1.67971	> 1% MASS 198
441	0	< MASS 443
442	45.9755	> 40% MASS 198
443	8.34917	17-23% MASS 442

MASS SPECTRUM
03/04/85 6:41:00 + 30:16 Cy
SAMPLE: BLANK MB1 CASE ~~9881~~ OM 3769

DATA: V2715 #886

BASE M/E: 95
RIC: 62144.



DATA: V2715 # 886 BASE M/E: 95
[illegible]
3/26/83 6:41:00 + 30:16 RIC: 62144.
AMPLE: BLANK MB1 CASE ~~2221 2M~~ 3414 8A

43 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 10529.
177 # 0 MAXIMA

MASS	% RA
43	17.08
44	75.30
45	17.10
46	1.64
47	2.58
48	1.22
49	6.70
50	21.61
51	9.45
55	2.89
56	3.33
57	7.48
58	6.53
59	2.24
60	2.55
61	5.87
62	5.64
63	4.90
67	1.13
68	14.00
69	12.37
70	1.74
71	1.40
72	1.59
73	9.48
74	18.41
75	56.31
76	5.59
77	1.56
79	3.32
80	1.01
81	3.17
82	1.08
86	2.55
87	5.33
88	7.44
91	1.06
92	2.97
93	5.01
94	13.01
95	100.00
96	8.06
174	50.38
175	3.54
176	49.85
177	4.17

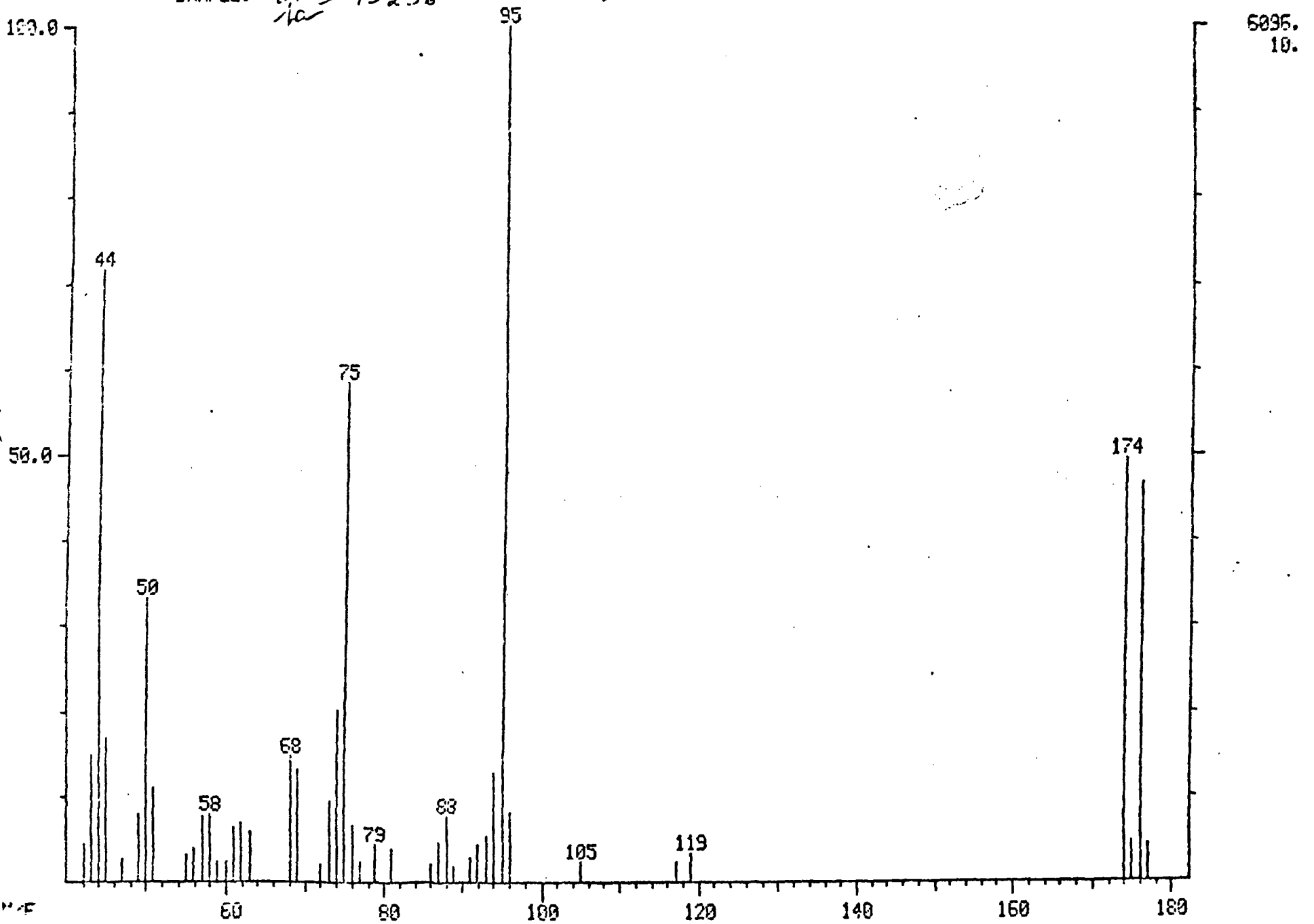
II 4

MASS SPECTRUM
03/05/85 17:40:00 + 30:20
SAMPLE: ~~2-13~~ 43236
/1a

CAS# 3969

DATA: V2745 #888

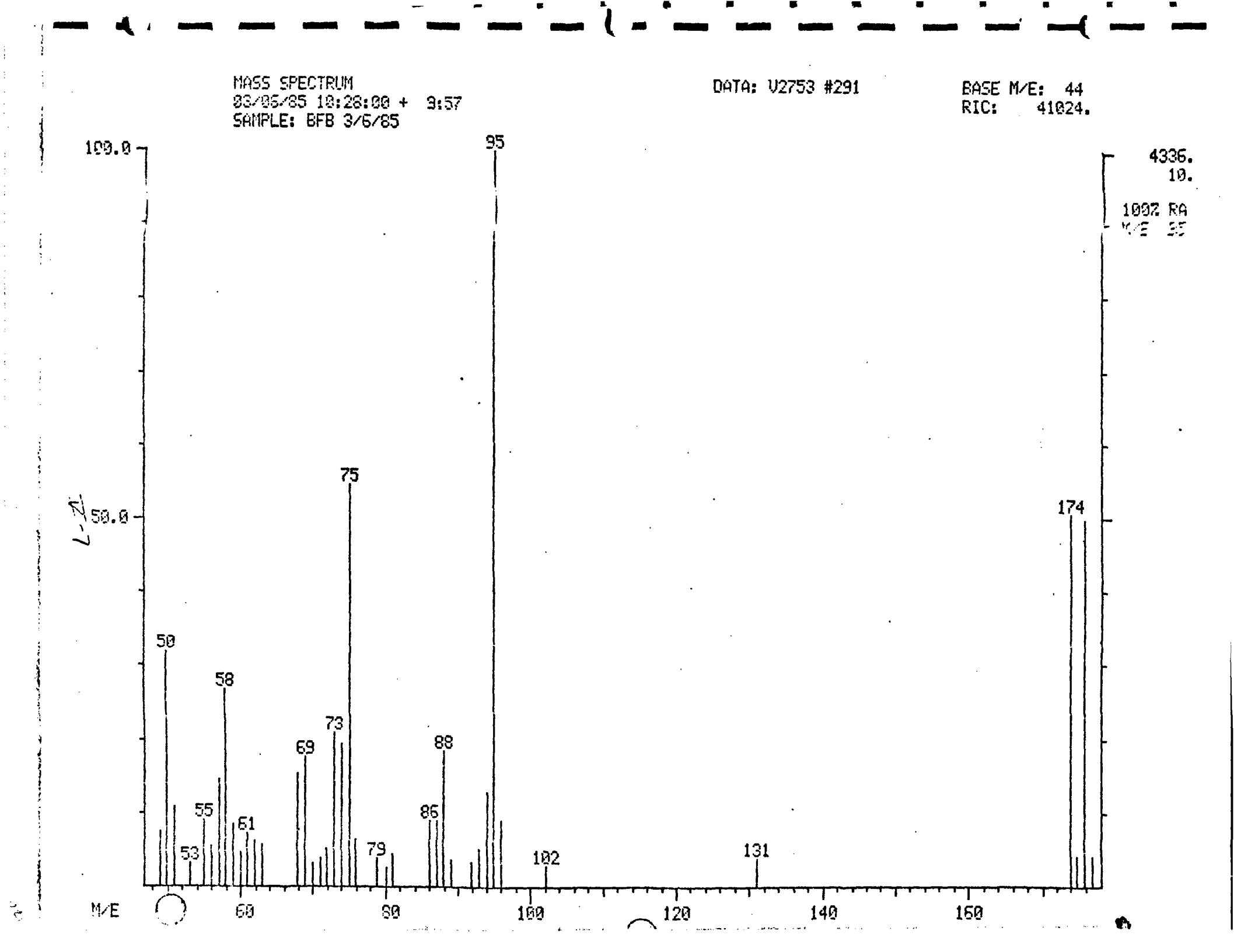
BASE M/E: 95
RIC: 36332.



AMPLE: 43236 Case 3969 RIC: 36992.

42 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 6096.
177 # 0 MAXIMA

MASS	% RA
42	4.22
43	14.78
44	71.65
45	16.93
47	2.44
49	7.94
50	33.30
51	10.94
55	3.15
56	3.89
57	7.68
58	7.86
59	2.18
60	2.31
61	6.40
62	6.96
63	5.87
68	14.80
69	13.39
72	2.00
73	9.40
74	20.24
75	58.53
76	6.66
77	2.30
79	4.27
81	3.77
86	2.12
87	4.64
88	7.73
89	1.74
91	2.77
92	4.23
93	5.33
94	12.88
95	100.00
96	8.19
105	2.40
117	2.30
119	3.25
174	49.61
175	4.66
176	46.72
177	4.22


MASS SPECTRUM
03/06/85 10:28:00 + 9:57
SAMPLE: BFB 3/6/85
DATA: V2753 #291
BASE M/E: 44
RIC: 41024.
100.0
50.0
95
75
174
50
58
73
69
88
55
61
86
53
79
102
131
4336.
10.
100% RA
M/E 95
M/E
60
80
100
120
140
160

03/06/85 10:28:00 + 9:57 BASE M/E: 44
SAMPLE: BFB 3/6/85 RIC: 41024.

48 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 4336.
177 # 0 MAXIMA 100% RA AT M/E: 95
ASS % RA

49	7.36
50	31.83
51	10.77
53	3.02
55	8.86
56	5.33
57	14.48
58	26.71
59	8.46
60	4.70
61	7.06
62	6.04
63	5.58
68	15.29
69	17.53
70	3.16
71	3.94
72	5.17
73	20.85
74	19.44
75	54.61
76	6.37
79	3.76
80	2.68
81	4.29
86	8.97
87	8.93
88	18.27
89	3.69
92	3.41
93	5.14
94	12.66
95	100.00
96	9.04
102	2.70
131	3.85
174	50.55
175	4.13
176	49.63
177	4.06

[illegible] Data Sheet
(Page 1)

Laboratory Name: GCA
Lab Sample ID No: Blank
Sample Matrix: Water
Data Release Authorized By: Rona Marquis

Case No. 3931
QC Report No. 3931
Contract No. 68-01-6767
Date Sample Received: 3/4/85

Volatile Compounds

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: 3/4/85
Date Analyzed: 3/4/85
Conc/Dil Factor: 1 pH NA
Percent Moisture: NA
Percent Moisture (Decanted): NA

CAS Number		(ug/l) or ug/Kg (Circle One)
74-87-3	Chloromethane	10u
74-83-9	Bromomethane	10u
75-01-4	Vinyl Chloride	10u
75-00-3	Chloroethane	10u
75-09-2	Methylene Chloride	5u
67-64-1	Acetone	10u
75-15-0	Carbon Disulfide	5u
75-35-4	1, 1-Dichloroethene	5u
75-34-3	1, 1-Dichloroethane	5u
156-60-5	Trans-1, 2-Dichloroethene	5u
67-66-3	Chloroform	5u
107-06-2	1, 2-Dichloroethane	5u
78-93-3	2-Butanone	10u
71-55-6	1, 1, 1-Trichloroethane	5u
56-23-5	Carbon Tetrachloride	5u
108-05-4	Vinyl Acetate	10u
75-27-4	Bromodichloromethane	5u

CAS Number		(ug/l) or ug/Kg (Circle One)
79-34-5	1, 1, 2, 2-Tetrachloroethane	5u
78-87-5	1, 2-Dichloropropane	5u
10061-02-6	Trans-1, 3-Dichloropropene	5u
79-01-6	Trichloroethene	5u
124-48-1	Dibromochloromethane	5u
79-00-5	1, 1, 2-Trichloroethane	5u
71-43-2	Benzene	5u
10061-01-5	cis-1, 3-Dichloropropene	5u
110-75-8	2-Chloroethylvinylether	10u
75-25-2	Bromoform	5u
591-78-6	2-Hexanone	10u
108-10-1	4-Methyl-2-Pentanone	10u
127-18-4	Tetrachloroethene	5u
108-88-3	Toluene	5u
108-90-7	Chlorobenzene	5u
100-41-4	Ethylbenzene	5u
100-42-5	Styrene	* ~~5u~~
	Total Xylenes	* ~~5u~~

* see narrative

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value — If the result is a value greater than or equal to the detection limit, report the value.

U — Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution action. [illegible]

J — Indicates an estimated value. [illegible]

C — This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. [illegible]

B — This flag is used when the analyte is found in the blank as well as a sample. [illegible]

Other — [illegible]

IV-9

Environmental Protection Agency, CLP Sample Management Office,
P. O Box 818, Alexandria, Virginia 22313 703/557-2490

Sample Number
MB1

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/5/85

Date Analyzed: 3/05/85

Conc/Dil Factor: 1.0 l → 1.0 mL

CAS Number		ug/l or ug/Kg (Circle One)
62-75-9	N-Nitrosodimethylamine	
108-95-2	Phenol	
62-53-3	Aniline	
111-44-4	bis(2-Chloroethyl)Ether	
95-57-8	2-Chlorophenol	
541-73-1	1,3-Dichlorobenzene	
106-46-7	1,4-Dichlorobenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1,2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chloroisopropyl)ether	
106-44-5	4-Methylphenol	
621-64-7	N-Nitroso-Di-n-Propylamine	
67-72-1	Hexachloroethane	
98-95-3	Nitrobenzene	
78-59-1	Isophorone	
88-75-5	2-Nitrophenol	
105-67-9	2,4-Dimethylphenol	
65-85-0	Benzoic Acid	
111-91-1	bis(2-Chloroethoxy)Methane	
120-83-2	2,4-Dichlorophenol	
120-82-1	1,2,4-Trichlorobenzene	
91-20-3	Naphthalene	
106-47-8	4-Chloroaniline	
87-68-3	Hexachlorobutadiene	
59-50-7	4-Chloro-3-Methylphenol	
91-57-6	2-Methylnaphthalene	
77-47-4	Hexachlorocyclopentadiene	
88-06-2	2,4,6-Trichlorophenol	
95-95-4	2,4,5-Trichlorophenol	
91-58-7	2-Chloronaphthalene	
88-74-4	2-Nitroaniline	
131-11-3	Dimethylphthalate	
208-96-8	Acenaphthylene	
99-09-2	3-Nitroaniline	

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	
51-28-5	2,4-Dinitrophenol	
100-02-7	4-Nitrophenol	
132-64-9	Dibenzofuran	
121-14-2	2,4-Dinitrotoluene	
606-20-2	2,6-Dinitrotoluene	
84-66-2	Diethylphthalate	
7005-72-3	4-Chlorophenyl-phenylether	
86-73-7	Fluorene	
100-01-6	4-Nitroaniline	
534-52-1	4,6-Dinitro-2-Methylphenol	
86-30-6	N-Nitrosodiphenylamine (1)	
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachlorobenzene	
87-86-5	Pentachlorophenol	
85-01-8	Phenanthrene	
120-12-7	Anthracene	
84-74-2	Di-n-Butylphthalate	
206-44-0	Fluoranthene	
92-87-5	Benzidine	
129-00-0	Pyrene	
85-68-7	Butylbenzylphthalate	
91-94-1	3,3'-Dichlorobenzidine	
56-55-3	Benzo(a)Anthracene	
117-81-7	bis(2-Ethylhexyl)Phthalate	
218-01-9	Chrysene	
117-84-0	Di-n-Octyl Phthalate	
205-99-2	Benzo(b)fluoranthene	
207-08-9	Benzo(k)fluoranthene	
50-32-8	Benzo(a)Pyrene	
193-39-5	Indeno(1,2,3-cd)Pyrene	
53-70-3	Dibenz(a,h)Anthracene	
191-24-2	Benzo(g,h,i)perylene	

(1) Cannot be separated from diphenylamine

Environmental Protection Agency, CLP Sample Management Office,
P. O. Box 818, Alexandria, Virginia 22313 703/557-2490

Sample Number: Method Blank

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3-1-85

Date Analyzed: 3/30/85

Conc/Dil Factor: 1

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.05 U
319-85-7	Beta-BHC	0.05 U
319-86-8	Delta-BHC	0.05 U
58-89-9	Gamma-BHC (Lindane)	0.05 U
76-44-8	Heptachlor	0.05 U
309-00-2	Aldrin	0.05 U
1024-57-3	Heptachlor Epoxide	0.05 U
959-98-8	Endosulfan I	0.05 U
60-57-1	Dieldrin	0.10 U
72-55-9	4,4'-DDE	0.10 U
72-20-8	Endrin	0.10 U
33213-65-9	Endosulfan II	0.10 U
72-54-8	4,4'-DDD	0.10 U
7421-93-4	Endrin Aldehyde	0.10 U
1031-07-8	Endosulfan Sulfate	0.10 U
50-29-3	4,4'-DDT	0.10 U
72-43-5	Methoxychlor	0.50 U
53494-70-5	Endrin Ketone	0.10 U
57-74-9	Chlordane	0.50 U
8001-35-2	Toxaphene	1.0 U
12674-11-2	Aroclor-1016	0.50 U
11104-28-2	Aroclor-1221	0.50 U
11141-16-5	Aroclor-1232	0.50 U
53469-21-9	Aroclor-1242	0.50 U
12672-29-6	Aroclor-1248	0.50 U
11097-69-1	Aroclor-1254	1.0 U
11096-82-5	Aroclor-1260	1.0 U

Lyndell 4/3/85

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 1000ml or W_s _____ V_t 10000 µl V_i 5.0 µl

P. O. Box 818, Alexandria, Virginia 22313 703/557-2490

Sample Number
MB1

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.		No Compounds found	VOA		
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

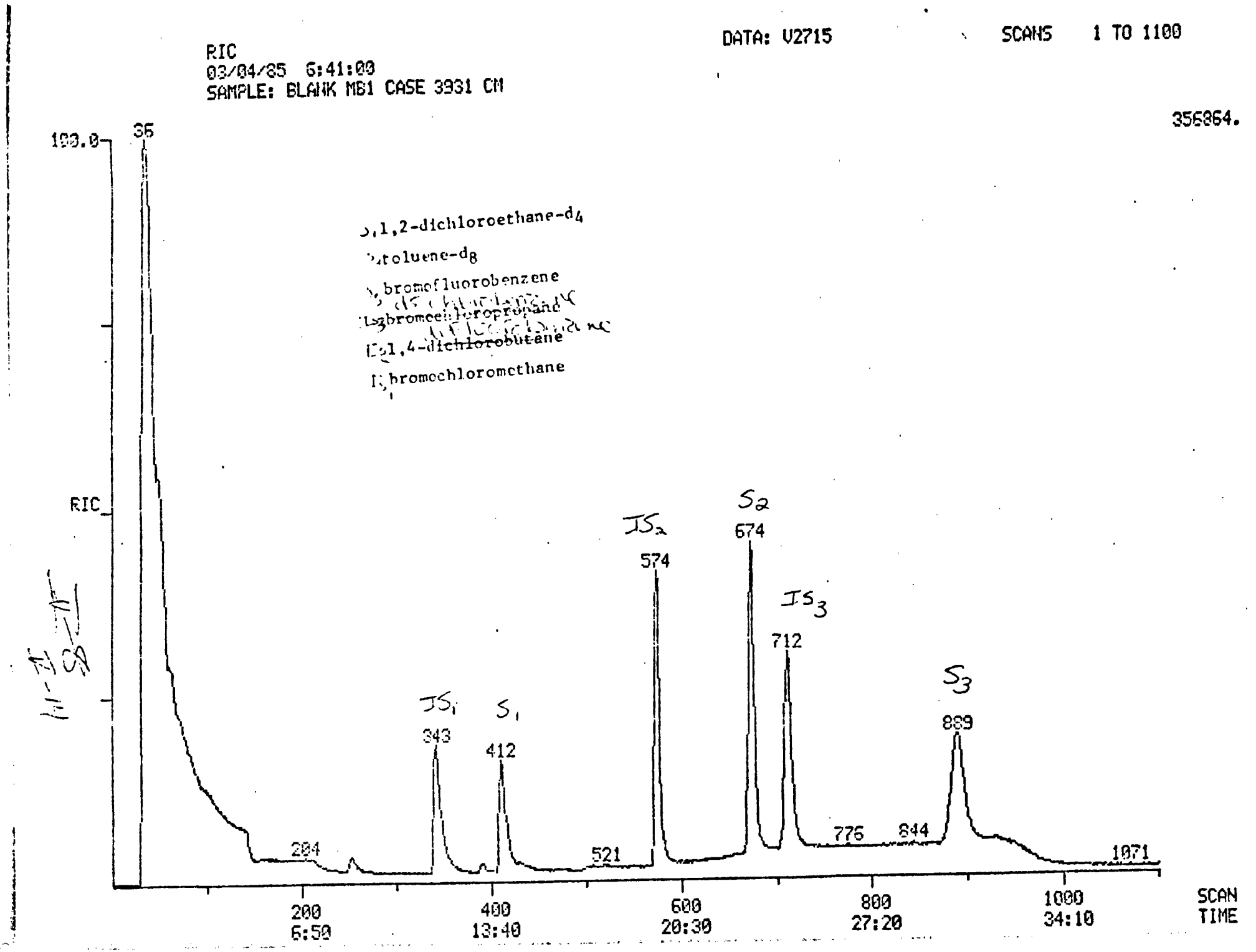
MB7

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

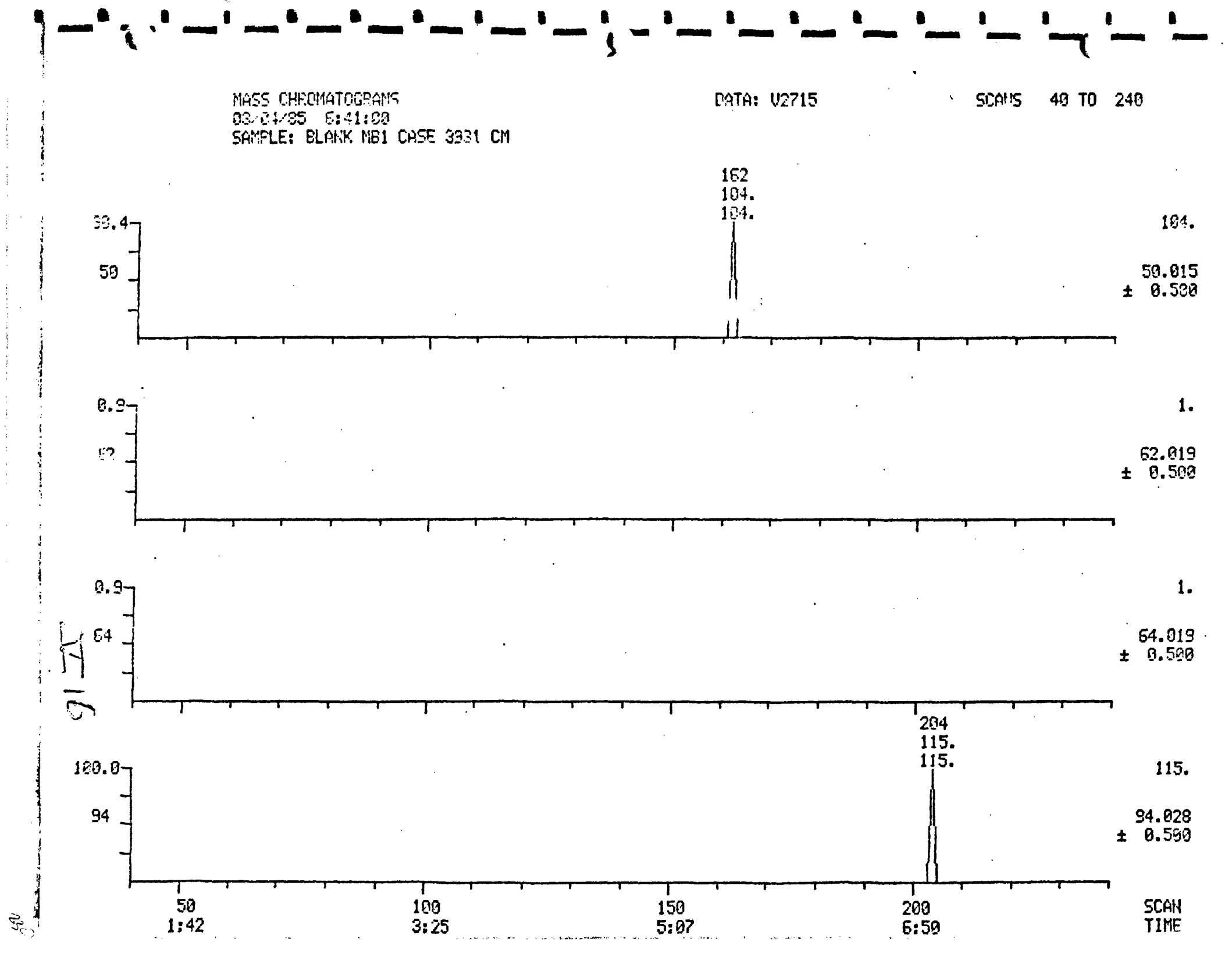
	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/L or ug/kg)
1.		Unknown	BNA	24.9	21 J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

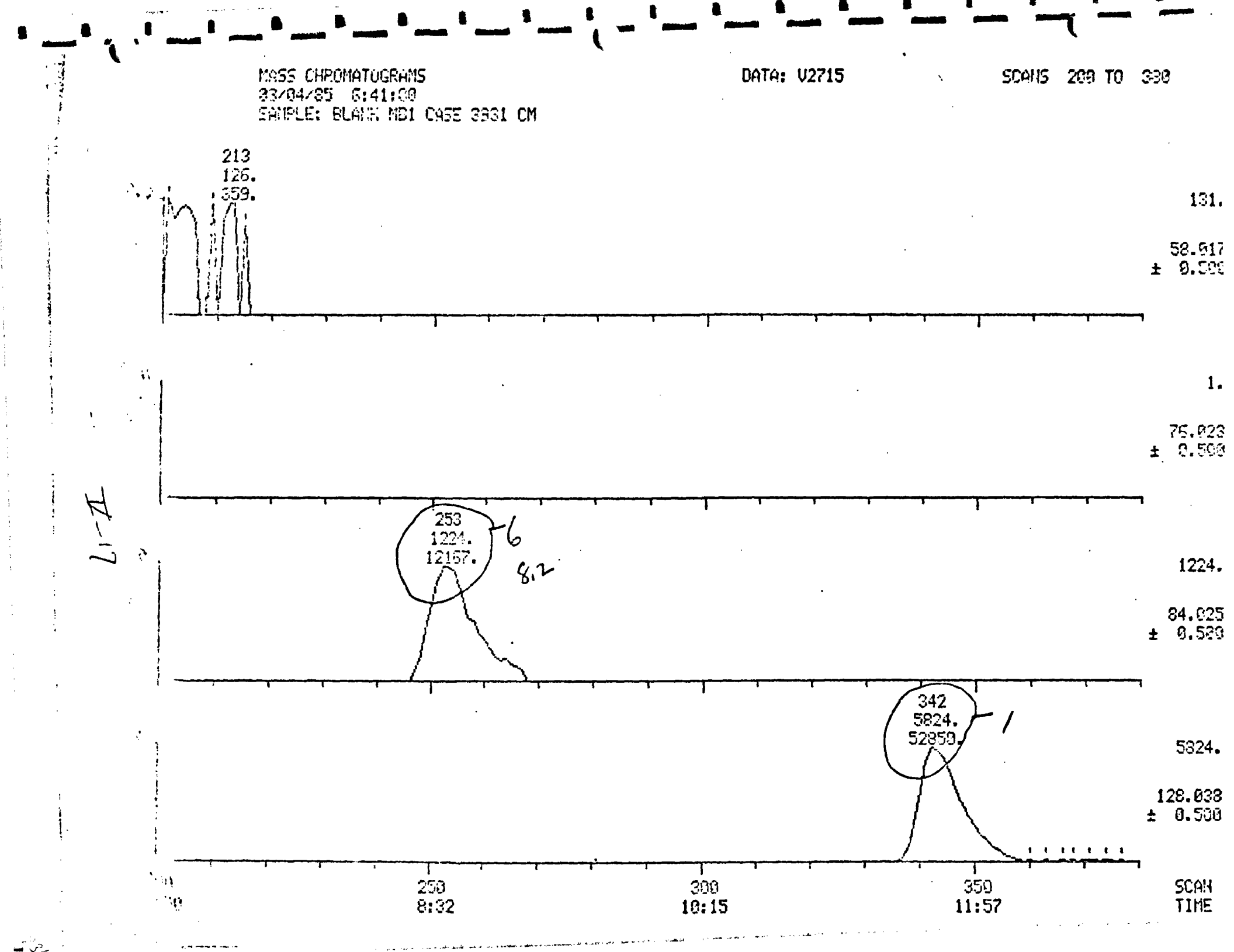
1/87

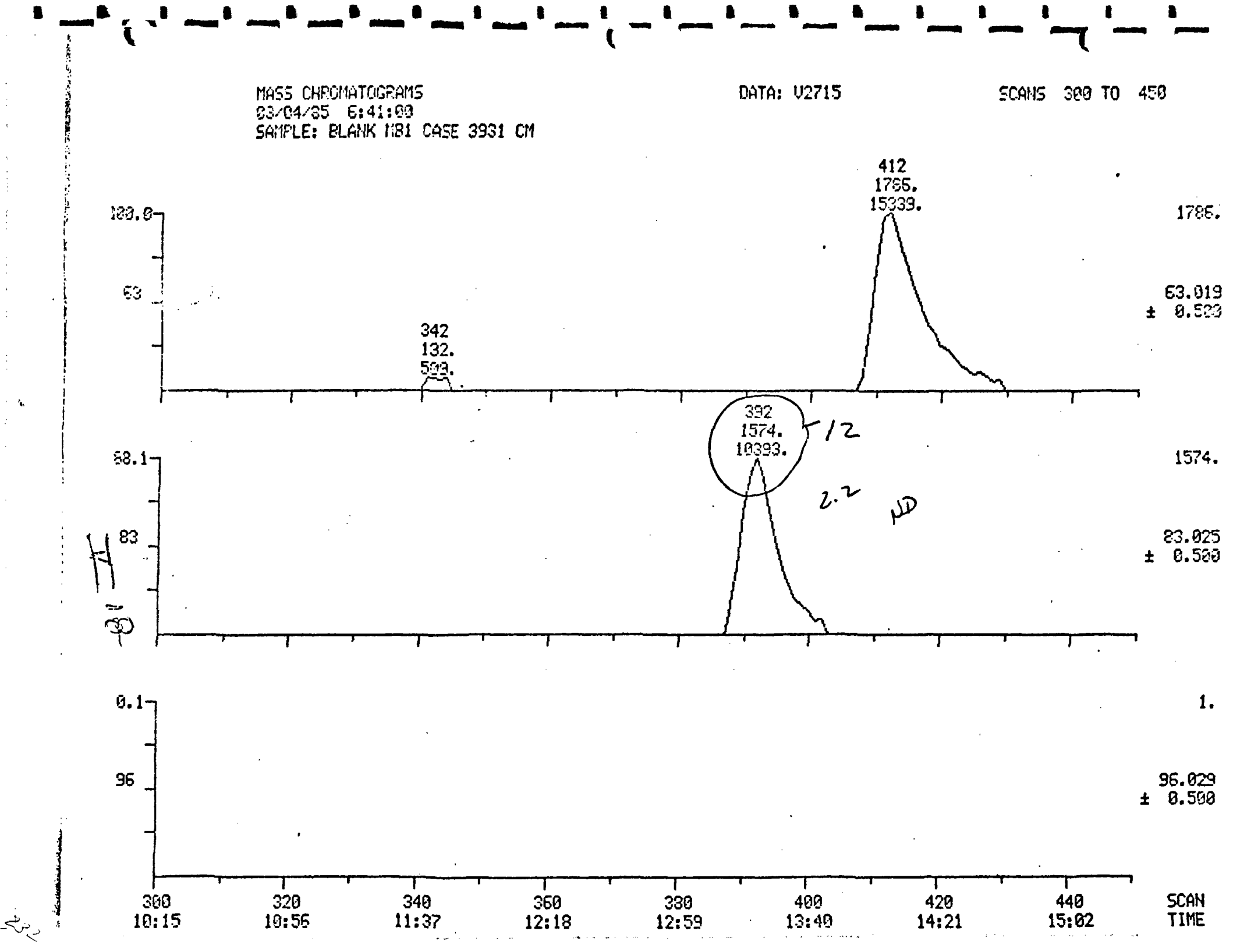

DATA: V2715
SCANS 1 TO 1100
RIC
03/04/85 6:41:00
SAMPLE: BLANK MB1 CASE 3331 CM
356864.
100.0
RIC
35
1,2-dichloroethane-d4
toluene-d8
bromofluorobenzene
1,4-dichlorobutane
bromochloromethane
IS1
S1
IS2
S2
IS3
S3
343
412
574
674
712
889
204
521
776
844
1071
200
6:50
400
13:40
600
20:30
800
27:20
1000
34:10
SCAN
TIME

Case: 3969

NO	NAME
1	BROMOCHLOROMETHANE(I.S.#1)
2	CHLOROMETHANE
3	BROMOMETHANE
4	VINYL CHLORIDE
5	CHLOROETHANE
6	METHYLENE CHLORIDE
7	CARBON DISULFIDE
8	ACETONE
9	1,1-DICHLOROETHENE
10	1,1-DICHLOROETHANE
11	TRANS-1,2-DICHLOROETHENE
12	CHLOROFORM
13	D4-1,2-DICHLOROETHANE(SURR #1)
14	1,2-DICHLOROETHANE
15	1,1,1-TRICHLOROETHANE
16	CARBON TETRACHLORIDE
17	VINYL ACETATE
18	2-BUTANONE
19	1,4-diflurobenzene(I.S. #2)
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	TRANS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	CIS-1,2-DICHLOROPROPENE
27	BENZENE
28	2-CHLOROETHYLVINYL ETHER
29	BROMOFORM
30	D8-TOLUENE
31	D5-CHLOROBENZENE(I.S. #3)
32	TETRACHLOROETHENE
33	1,1,2,2-TETRACHLOROETHANE
34	2- METHYL-2-PENTANONE
35	2-HEXANONE
36	TOLUENE
37	CHLOROBENZENE
38	ETHYL BENZENE
39	BFB(SURR #3)
40	STRYENE
41	TOTAL XYLENES


MASS CHROMATOGRAMS
03/04/85 5:41:00
SAMPLE: BLANK MB1 CASE 3331 CM
DATA: V2715
SCANS 40 TO 240
162
104.
104.
104.
50.4
50
104.
50.015
± 0.500
0.9
62
1.
62.019
± 0.500
0.9
64
1.
64.019
± 0.500
204
115.
115.
100.0
94
115.
94.028
± 0.500
50
1:42
100
3:25
150
5:07
200
6:50
SCAN
TIME

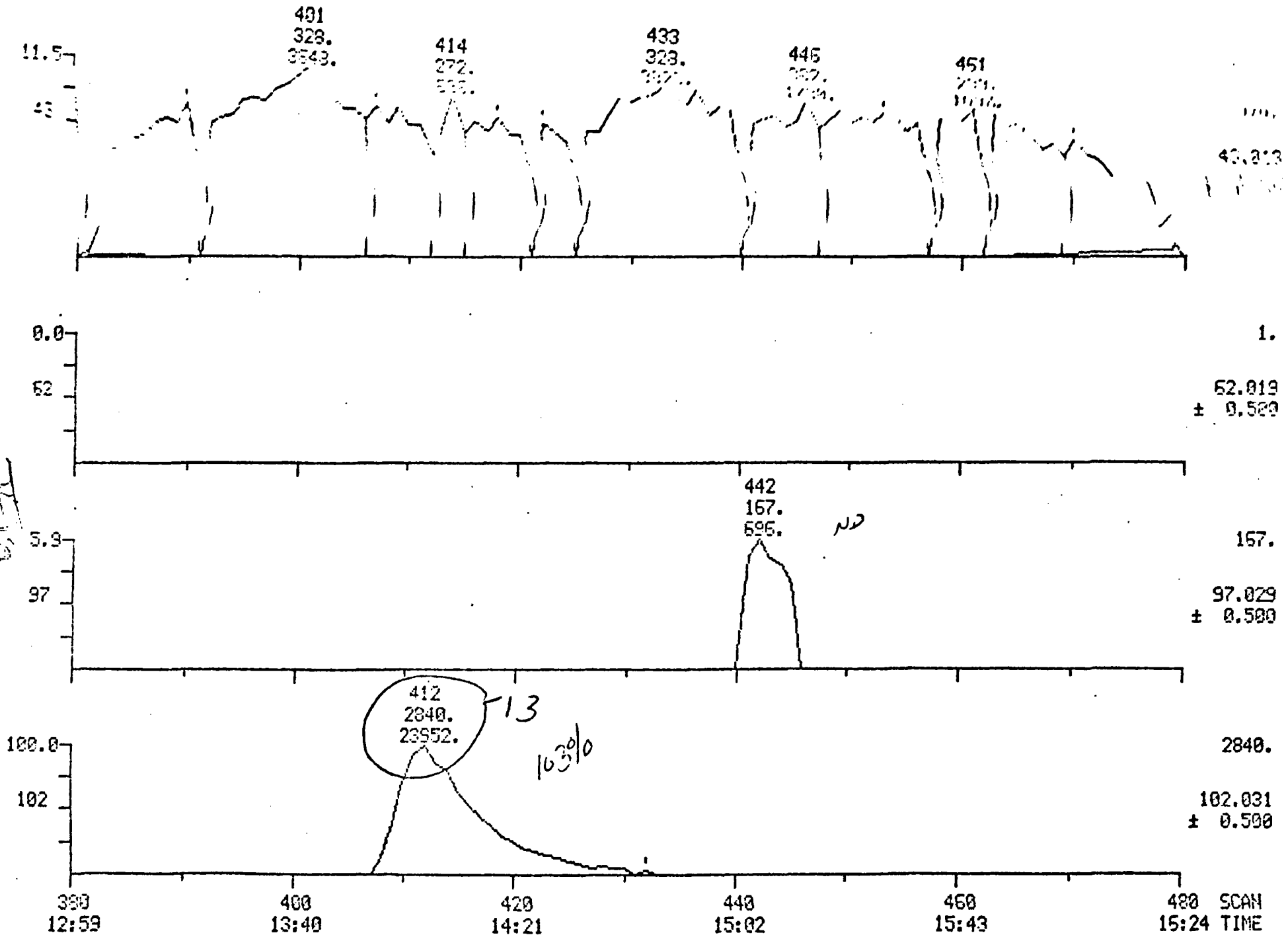

MASS CHROMATOGRAMS
03/04/85 6:41:00
SAMPLE: BLANK MB1 CASE 3931 CM
DATA: V2715
SCANS 200 TO 390
213
126.
359.
131.
58.917
± 0.500
1.
75.023
± 0.500
253
1224.
12167.
6
8.2
1224.
84.025
± 0.500
342
5824.
52850.
1
5824.
128.038
± 0.500
250
8:32
300
10:15
350
11:57
SCAN
TIME

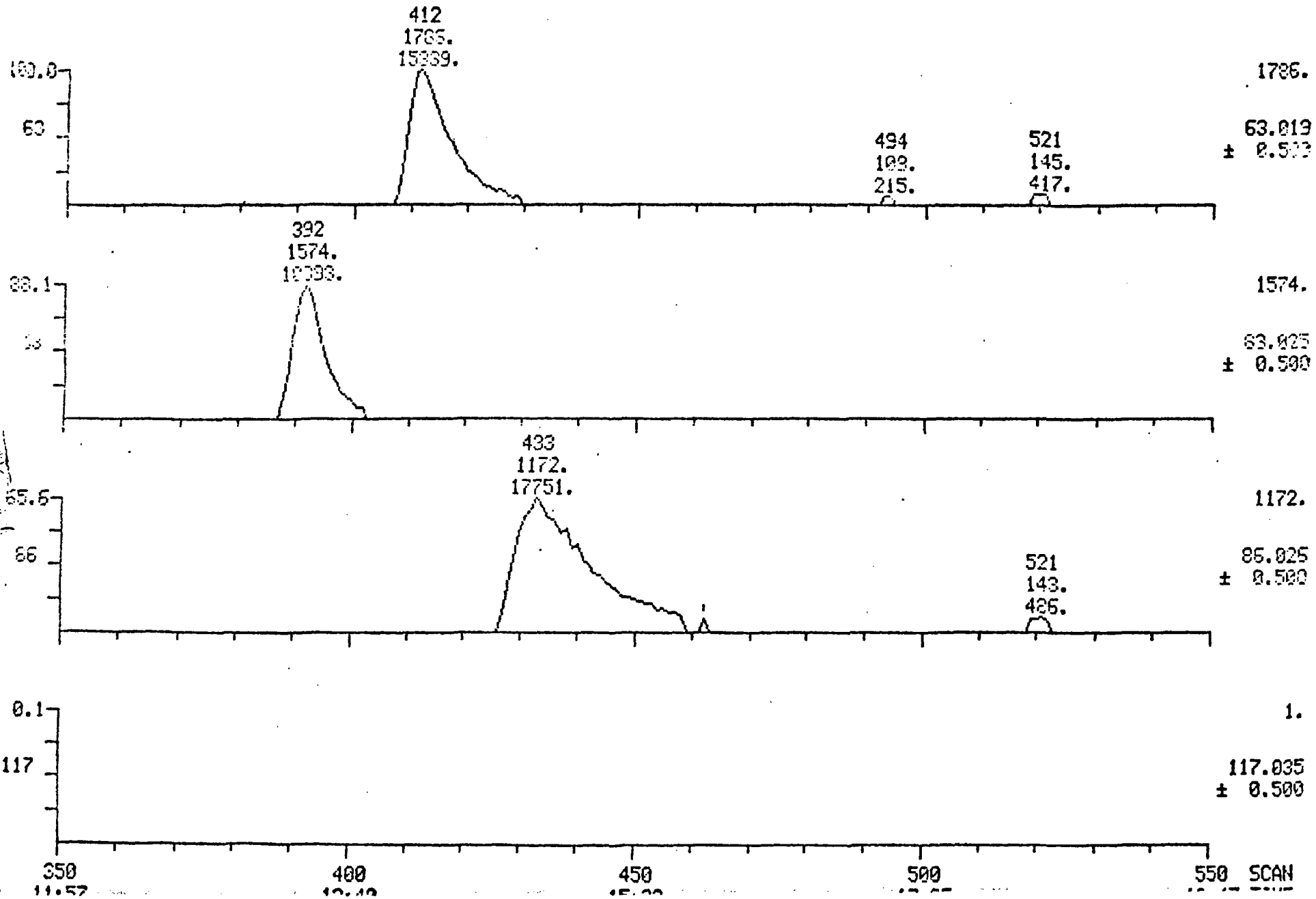

MASS CHROMATOGRAMS
03/04/85 6:41:00
SAMPLE: BLANK 181 CASE 3931 CM
DATA: V2715
SCANS 300 TO 450
100.0
63
342
132.
500.
412
1785.
15339.
1785.
63.019
± 0.500
68.1
83
392
1574.
10393.
1/2
2.2
ND
1574.
83.025
± 0.500
0.1
96
1.
96.029
± 0.500
300
10:15
320
10:56
340
11:37
360
12:18
380
12:59
400
13:40
420
14:21
440
15:02
SCAN
TIME

MASS CHROMATOGRAMS
03/04/85 6:41:00
SAMPLE: BLANK MB1 CASE 3931 CM

DATA: V2715

SCANS 380 TO 480

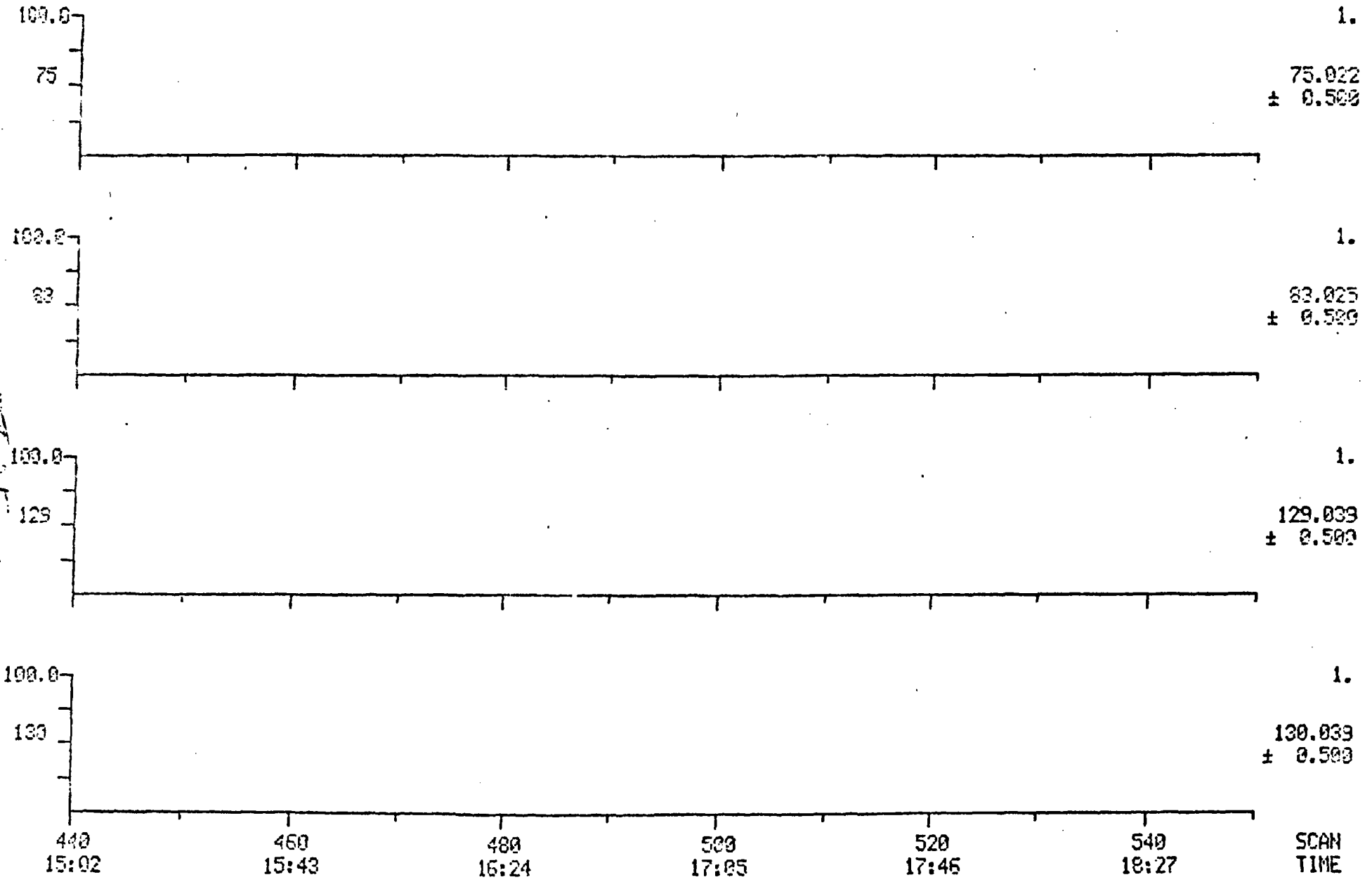


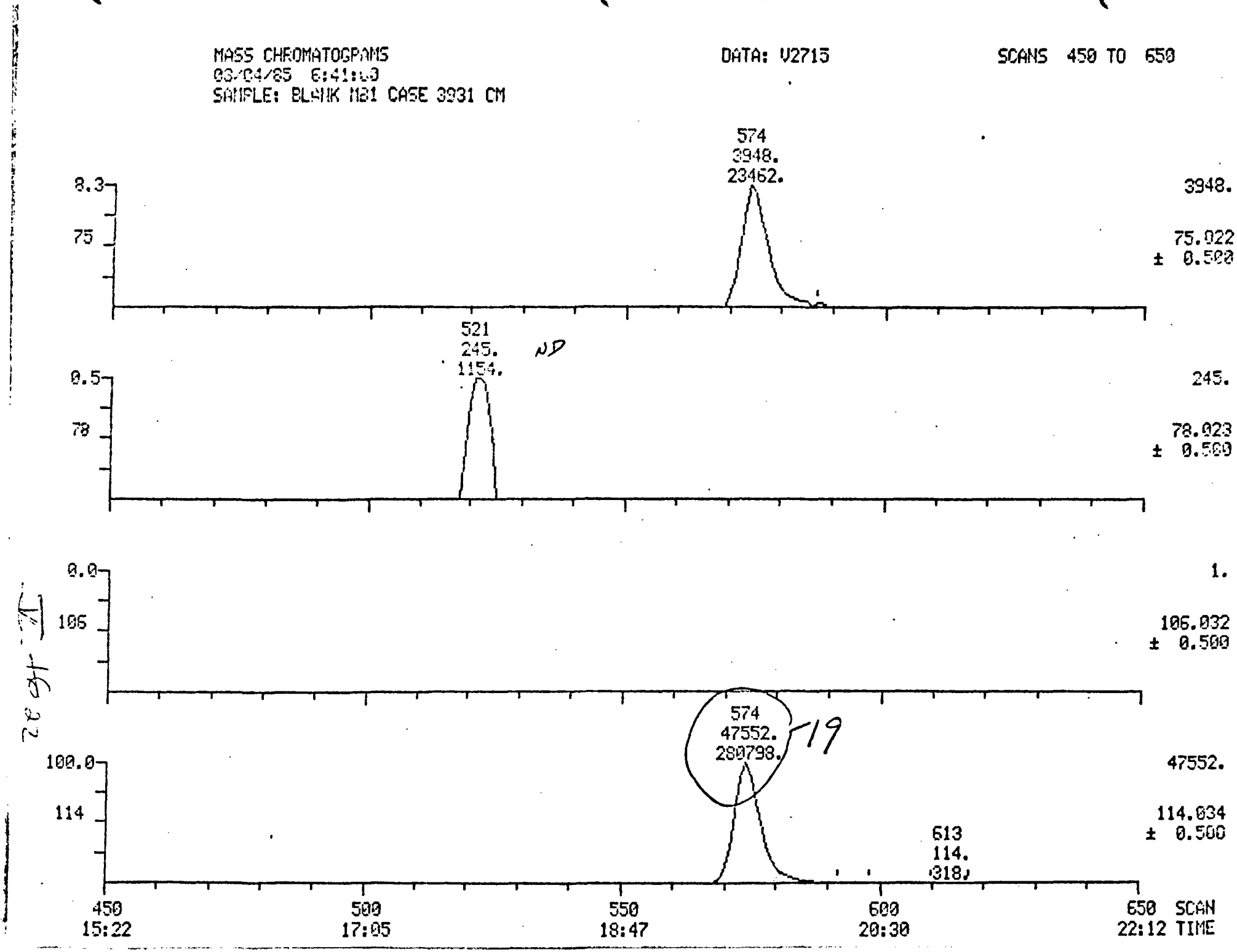

MASS CHROMATOGRAMS
03/04/85 6:41:20
SAMPLE: BLANK MB1 CASE 3931 CM
DATA: V2715
SCANS 350 TO 550
412
1786.
15939.
494
109.
215.
521
145.
417.
1786.
63.019
± 0.500
392
1574.
10393.
1574.
63.025
± 0.500
433
1172.
17751.
521
143.
486.
1172.
85.025
± 0.500
0.1
117
1.
117.035
± 0.500
350
400
450
500
550 SCAN

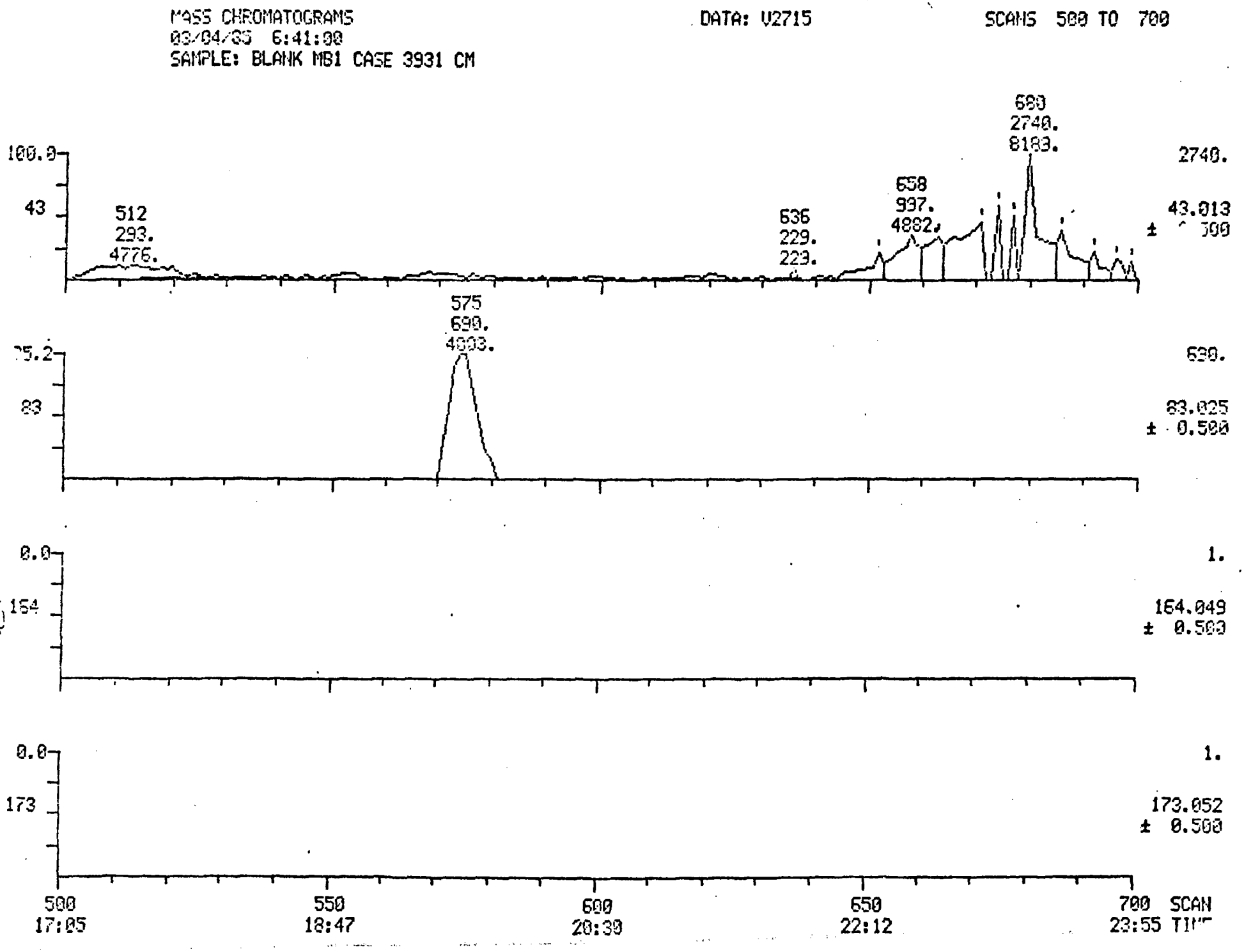
MASS CHROMATOGRAMS
03/04/85 6:41:09
SAMPLE: BLANK MB1 CASE 3331 CM

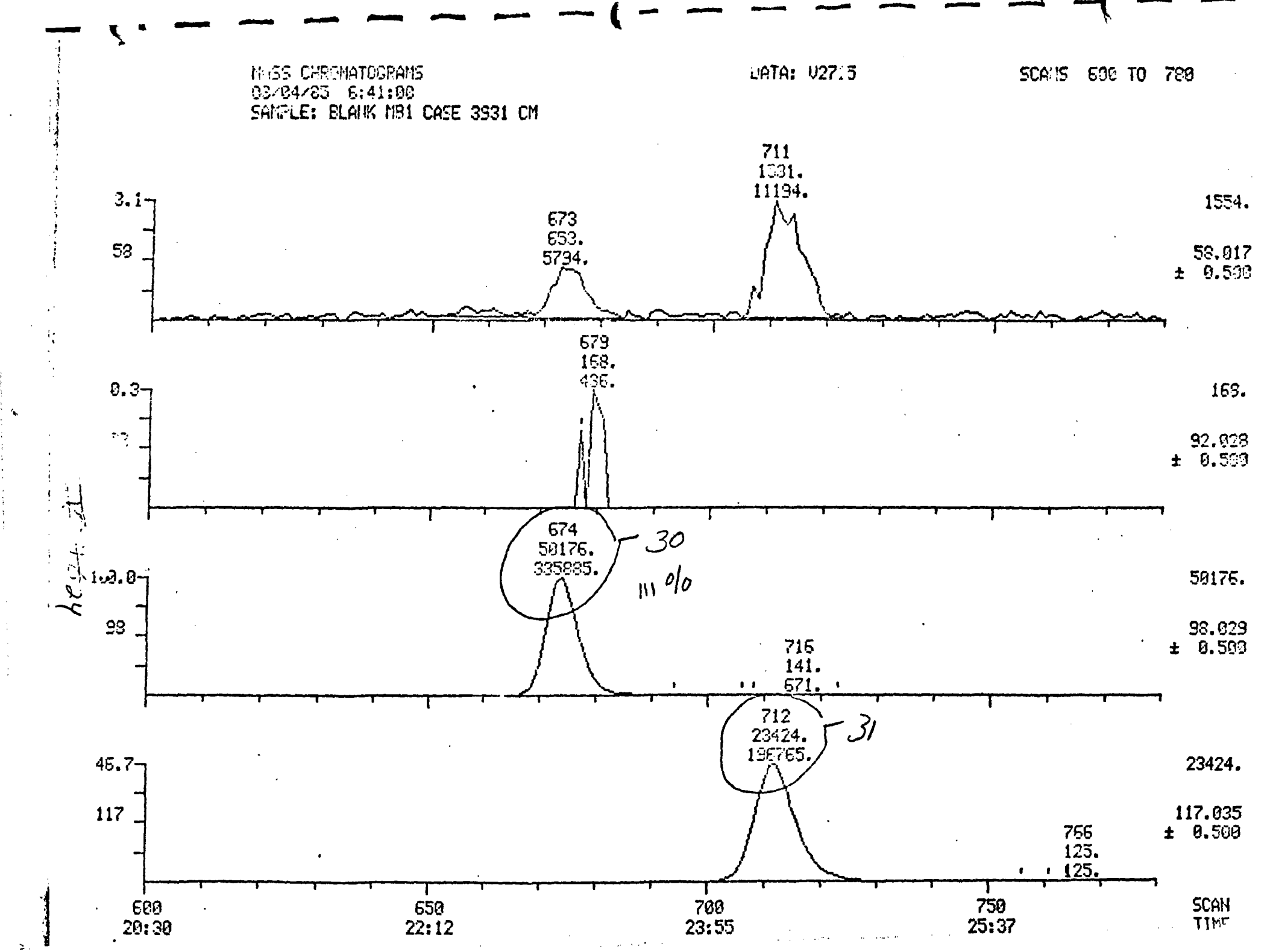
DATA: U2715

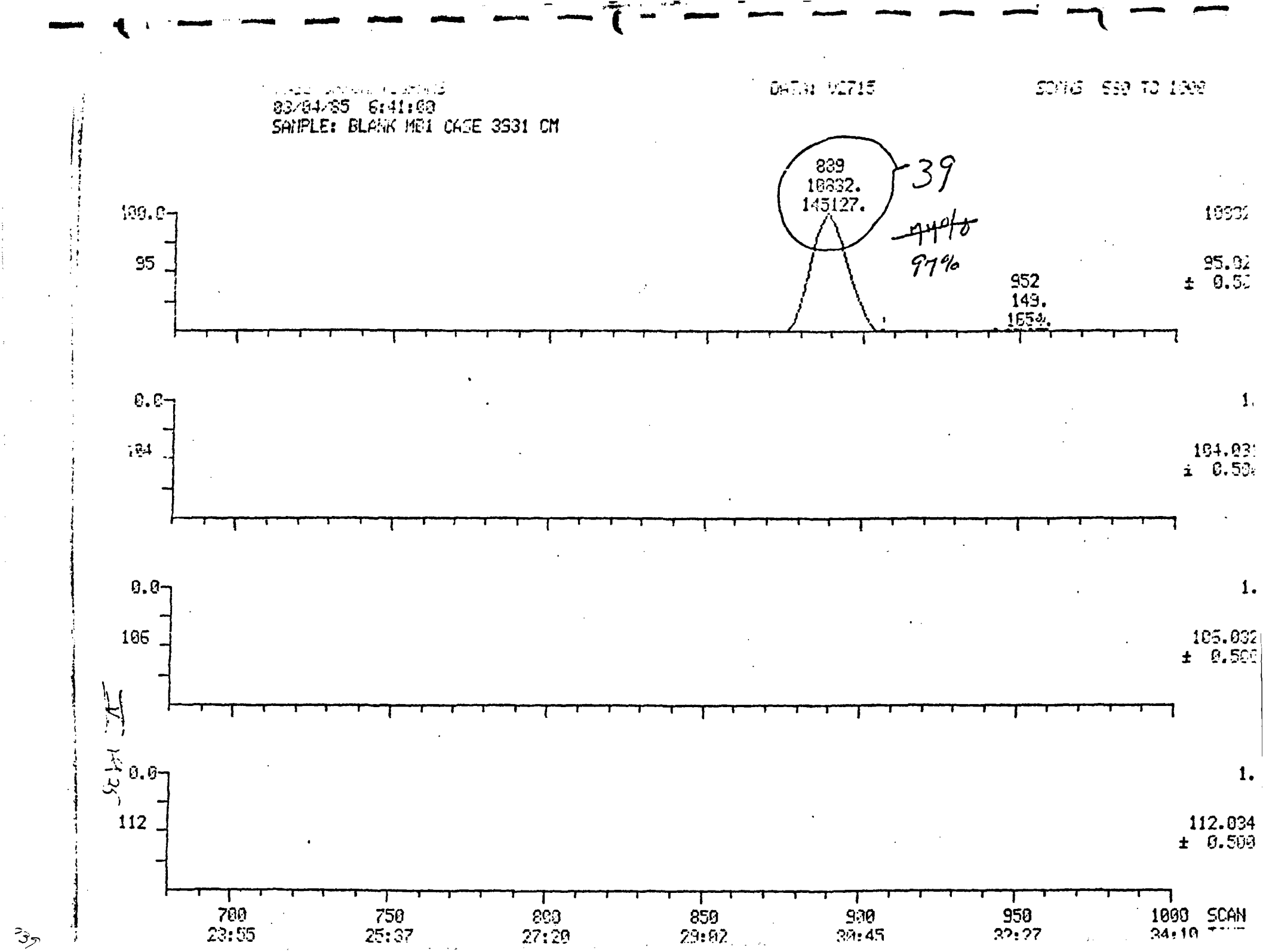
SCANS 440 TO 550




MASS CHROMATOGRAMS
03/04/85 6:41:00
SAMPLE: BLANK M21 CASE 3931 CM
DATA: V2715
SCANS 450 TO 650
574
3948.
23462.
8.3
75
3948.
75.022
± 0.500
521
245.
1154.
ND
0.5
78
245.
78.023
± 0.500
0.0
106
1.
106.032
± 0.500
574
47552.
280798.
19
100.0
114
47552.
114.034
± 0.500
613
114.
318.
450
15:22
500
17:05
550
18:47
600
20:30
650 SCAN
22:12 TIME


MASS CHROMATOGRAMS
03/04/93 6:41:00
SAMPLE: BLANK MB1 CASE 3931 CM
DATA: V2715
SCANS 500 TO 700
100.0
43
512
293.
4775.
636
229.
223.
658
997.
4882.
680
2740.
8183.
2740.
43.013
± 0.500
95.2
83
575
690.
4003.
690.
83.025
± 0.500
0.0
164
1.
164.049
± 0.500
0.0
173
1.
173.052
± 0.500
500
17:05
550
18:47
600
20:30
650
22:12
700 SCAN
23:55 TIME

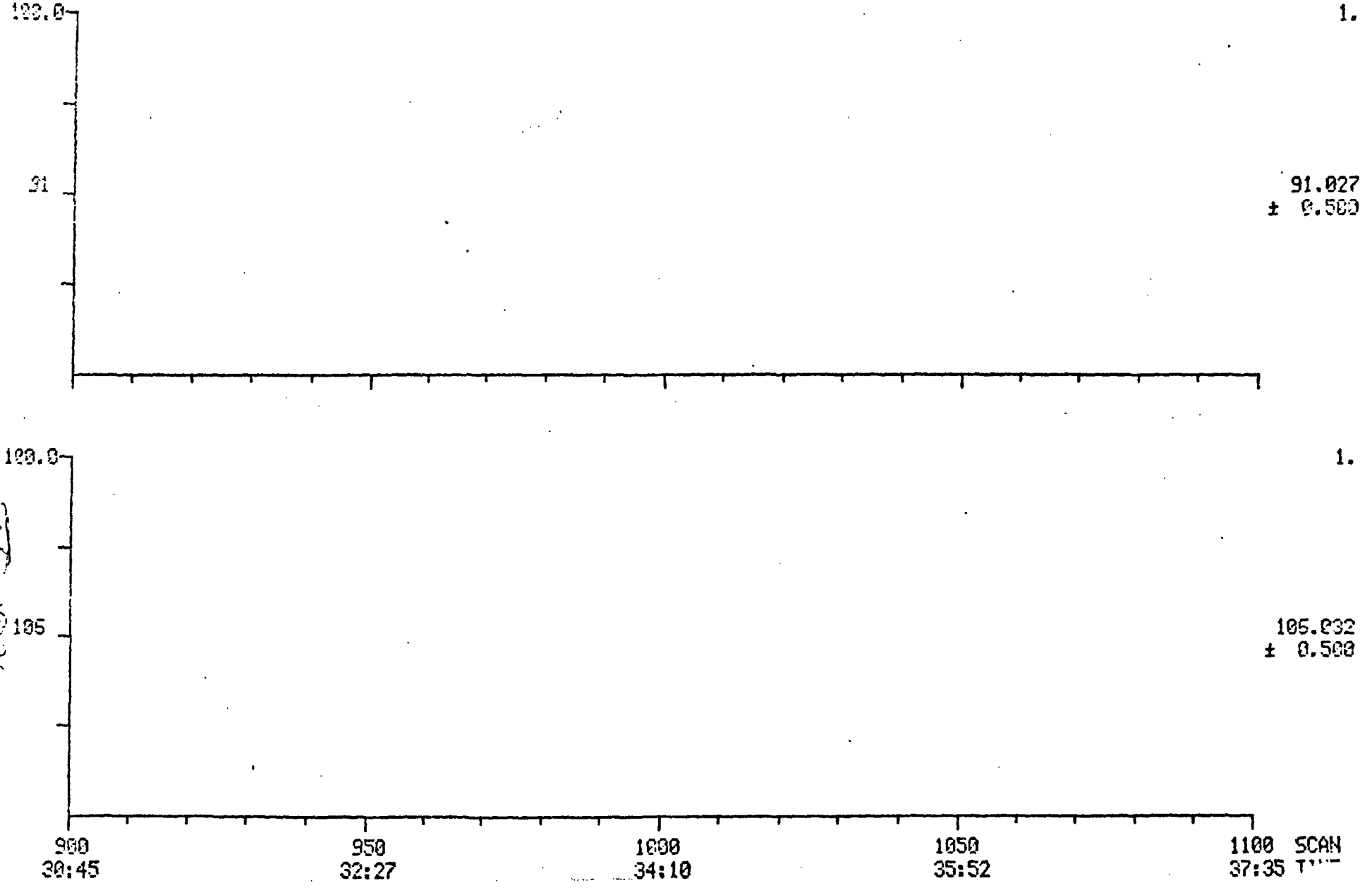

MASS CHROMATOGRAMS
03/04/85 6:41:00
SAMPLE: BLANK MB1 CASE 3931 CM
DATA: V27.5
SCANS 600 TO 780
711
1031.
11194.
673
653.
5794.
1554.
58.017
± 0.500
679
168.
436.
169.
92.028
± 0.500
674
50176.
335885.
30
111 o/o
50175.
98.029
± 0.500
716
141.
671.
712
23424.
156765.
31
23424.
117.035
± 0.500
766
125.
125.
600
20:30
650
22:12
700
23:55
750
25:37
SCAN
TIME


03/04/85 6:41:00
SAMPLE: BLANK MB1 CASE 3331 CM
DATA: V2715
SCNS 550 TO 1000
839
10832.
145127.
39
94%
952
149.
165%.
100.0
95
95.02
± 0.50
0.0
104
104.031
± 0.50
0.0
106
106.032
± 0.500
0.0
112
112.034
± 0.500
700
23:55
750
25:37
800
27:20
850
29:02
900
30:45
950
32:27
1000 SCAN
34:10

MASS CHROMATOGRAMS
03/04/85 6:41:30
SAMPLE: BLANK MB1 CASE 3931 CM

DATA: V2715

SCANS 900 TO 1100

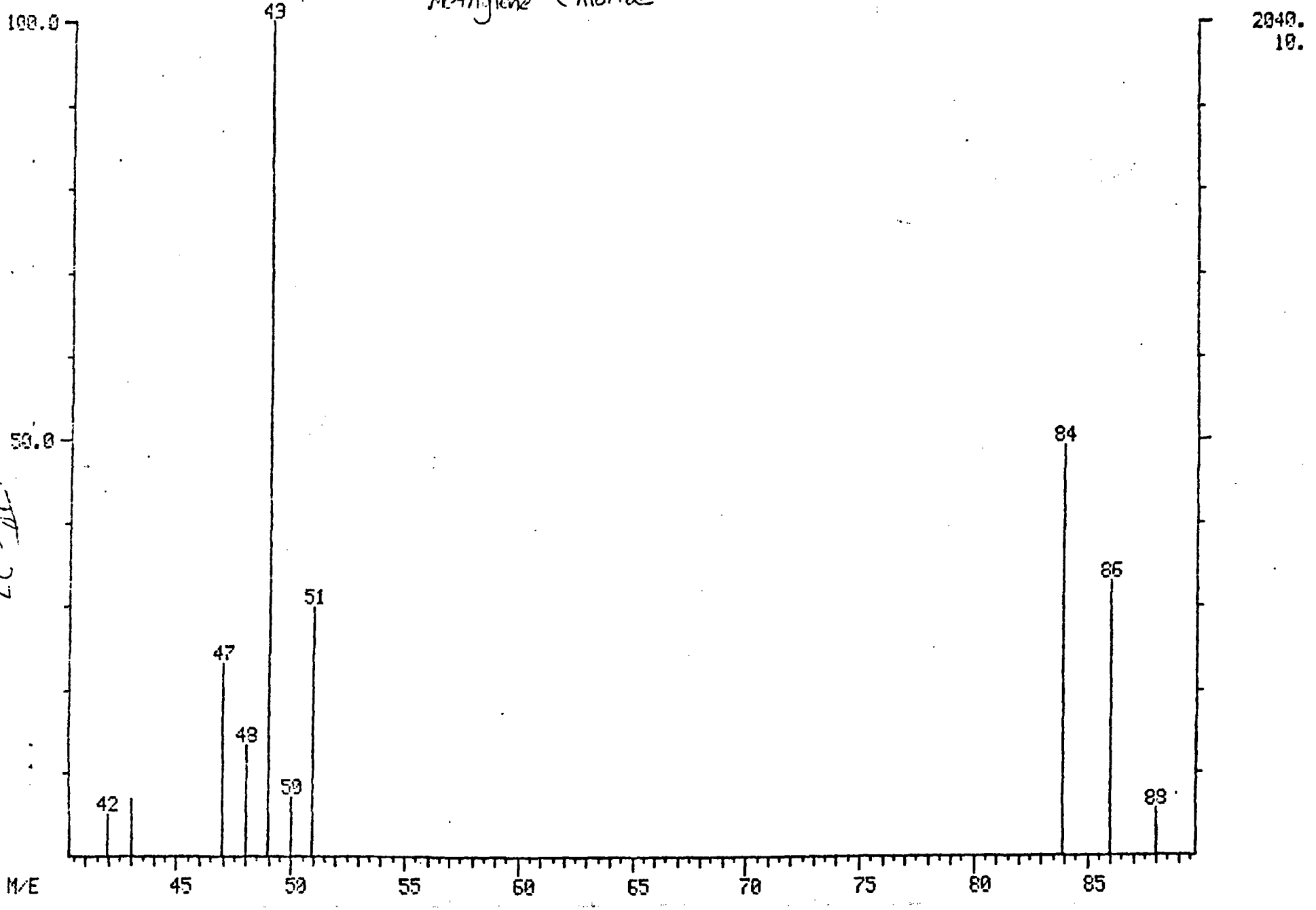


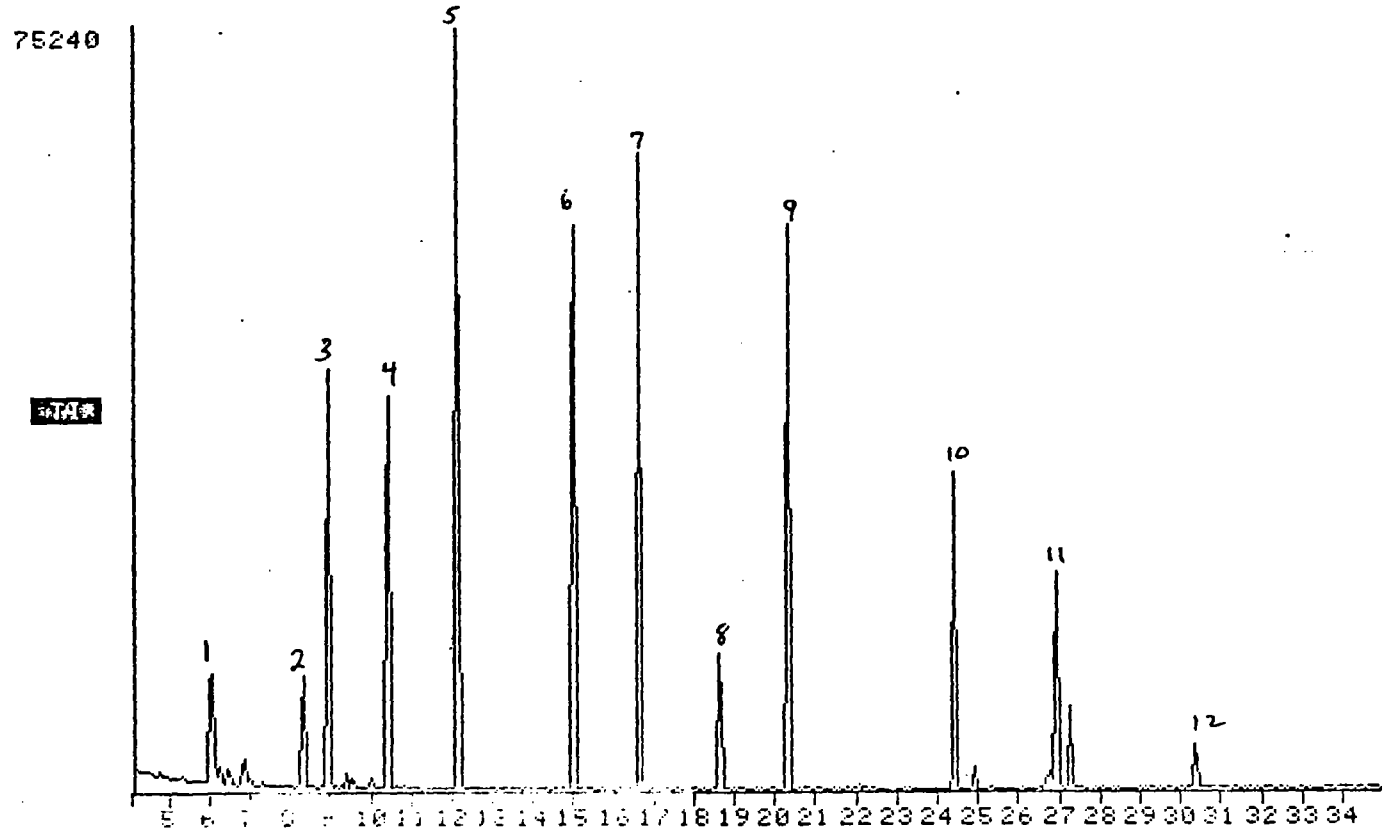
MASS SPECTRUM
08/04/85 6:41:00 + 8:33
SAMPLE: BLANK MB1 CASE 3931 CM
ENHANCED (S 15B 2N)

DATA: V2715 #253

BASE M/E: 49
RIC: 5576.

Methylene Chloride





1. 2-FLUOROPHENOL(SURR)
2. PHENOL-D6(SURR)
3. 1,4-DICHLOROBENZENE-D4(IS)
4. NITROBENZENE-D5(SURR)
5. NAPHTHALENE-D8(IS)
6. 2-FLUOROBIPHENYL (SURR)
7. ACENAPHTHENE-D10(IS)
8. 2,4,6-TRIBROMOPHENOL(SURR)
9. PHENANTHRENE-D10(IS)
10. TERPHENYL-D14(SURR)
11. CHRYSENE-D12(IS)
12. PERYLENE-D12(IS)

FILE NUMBER 14756

QC-956 MB1 CASE 3969

3/25/85/EM BTL#15 Q14756 D14756

AREA	R. TIME	START	STOP	MAXIMA	# SUMS	MASS	BASE
150.0	1.000		80.0000				D4-1,4-DICHLOROBENZENE(20)
74.0	.046		.0000				N-NITROSODIMETHYLAMINE
93.0	.913		.0000				ANILINE
93.0	.709		.0000				BIS(2-CHLOROETHYL)ETHER
146.0	.591		.0000				1,3-DICHLOROBENZENE
146.0	.594		.0000				1,4-DICHLOROBENZENE
108.0	.395		.0000				BENZYL ALCOHOL
146.0	.594		.0000				1,2-DICHLOROBENZENE
45.0	.527		.0000				BIS(2-CHLOROISOPROPYL)ETHER
70.0	.490		.0000				N-NITROSODINPROPYLAMINE
117.0	.291		.0000				HEXACHLOROETHANE
77.0	.716		.0000				NITROBENZENE

AREA	R. TIME	START	STOP	MAXIMA	# SUMS	MASS	BASE
136.0	1.000		80.0000				D8-NAPHTHALENE(20)
138.0	.089		.0000				ISOPHORONE
95.0	.106		.0000				BIS(2-CHLOROETHOXY)METHANE
180.0	.154		.0000				1,2,4-TRICHLOROBENZENE
129.0	.077		.0000				NAPHTHALENE
127.0	.267		.0000				4-CHLOROANILINE
225.0	.070		.0000				HEXACHLOROBUTADIENE
115.0	.151		.0000				2-METHYLNAPHTHALENE

AREA	R. TIME	START	STOP	MAXIMA	# SUMS	MASS	BASE
68.0	1.000		80.0000				D8-NAPHTHALENE(20)
138.0	1.519		.0000				ISOPHORONE
95.0	1.813		.0000				BIS(2-CHLOROETHOXY)METHANE
180.0	2.642		.0000				1,2,4-TRICHLOROBENZENE
129.0	1.325		.0000				NAPHTHALENE
127.0	4.577		.0000				4-CHLOROANILINE
225.0	1.190		.0000				HEXACHLOROBUTADIENE
115.0	2.578		.0000				2-METHYLNAPHTHALENE

FILE NUMBER 14756

QC-956 MB1 CASE 3969

3/25/85/EM BTL#15 Q14756 D14756

AREA	R. TIME	START	STOP	MAXIMA	# SUMS	MASS	BASE
16.7	164.0	1.000	80.0000				D10-ACENAPHTHENE
14.6	237.0	.205	.0000				HEXACHLOROCYCLOPENTADIENE
15.2	164.0	.281	.0000				2-CHLORONAPTHALENE
15.6	138.0	.397	.0000				2-NITROANILINE
16.2	164.0	.083	.0000				DIMETHYL PHTHALATE
16.3	151.0	.272	.0000				ACENAPHTHYLENE
16.4	165.0	.228	.0000				2,6-DINITROTOLUENE
16.7	138.0	.293	.0000				3-NITROANILINE
16.8	152.0	.437	.0000				ACENAPHTHENE
17.2	139.0	.490	.0000				DIBENZOFURAN
17.3	165.0	.320	.0000				2,4-DINITROTOLUENE
18.0	177.0	.171	.0000				DIETHYL PHTHALATE
18.0	165.0	.820	.0000				FLUORENE
18.1	204.0	.358	.0000				4-CHLOROPHENYLPHENYL ETHER
18.2	138.0	.292	.0000				4-NITROANILINE
17.2	169.0	.144	.0000				DIPHENYLAMINE
20.3	188.0	1.000	80.0000				D10-PHENANTHRENE(20)
19.3	248.0	.112	.0000				4-BROMOPHENYLPHENYL ETHER
19.6	284.0	.112	.0000				HEXACHLOROBENZENE
20.4	179.0	.060	.0000				PHENANTHRENE/ANTHRACENE
22.1	150.0	.100	.0000				DIBUTYL PHTHALATE
23.4	202.0	.665	.0000				FLUORANTHENE
26.9	240.0	1.000	80.0000				D12-CHRYSENE
23.9	202.0	2.264	.0000				PYRENE
25.8	149.0	1.136	.0000				BUTYL BENZYL PHTHALATE
26.9	228.0	.427	.0000				BENZO(A)ANTHRACENE/CHRYSENE
27.3	149.0	1.128	24.0288	✓			BIS(2-ETHYLHEXYL)PHTHALATE
30.4	264.0	1.000	80.0000				D12-PERYLENE
28.7	149.0	5.974	.0000				DIOCTYL PHTHALATE
29.5	252.0	1.307	.0000				BENZO(B)/(K)FLUORANTHENE
30.2	252.0	.744	.0000				BENZO(A)PYRENE
33.7	276.0	.485	.0000				INDENO(123-CD)PYRENE
33.8	278.0	.346	.0000				DIBENZO(AH)ANTHRACENE
34.6	276.0	.300	.0000				BENZO(GHI)PERYLENE

II-30

FILE NUMBER 14756

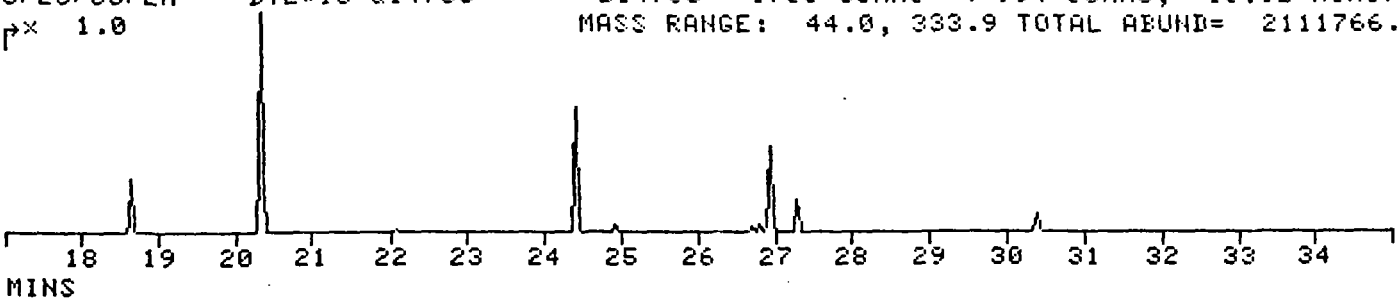
QC-956 MB1 CASE 3969

3/25/85/EM BTL#15 Q14756 D14756

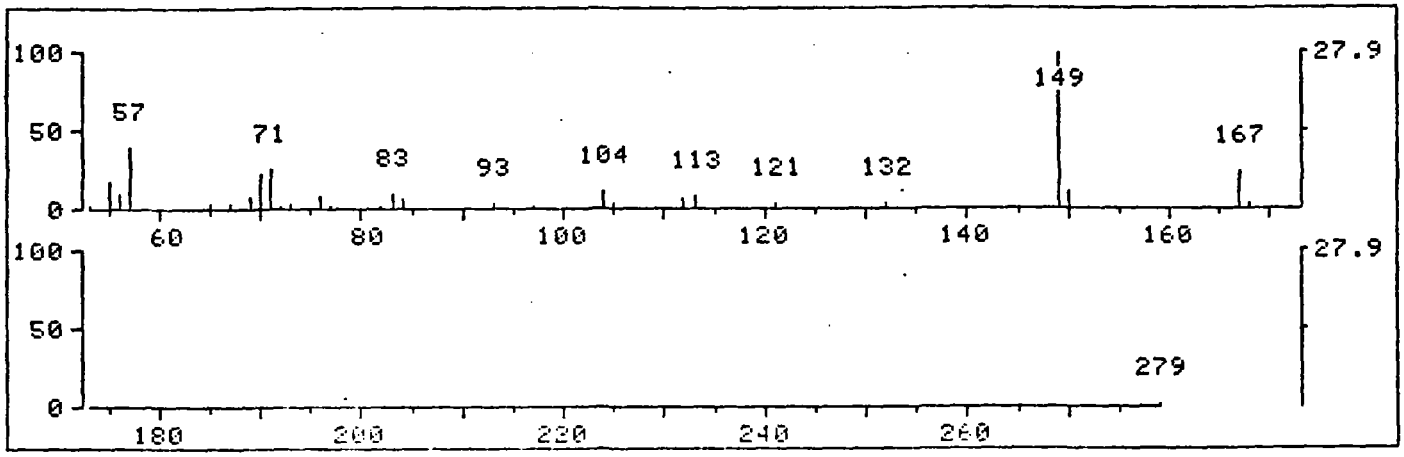
AREA	R. TIME	START	STOP	MAXIMA	# SUMS	MASS	BASE
26.9	240.0	1.000	80.0000	D12-CHRYSENE			
23.8	184.0	.712	.0000	BENZIDINE			
27.0	252.0	.146	.0000	DICHLOROBENZIDINE			

AREA	R. TIME	START	STOP	MAXIMA	# SUMS	MASS	BASE
9.0	150.0	1.000	80.0000	D4-1,4-DICHLOROBENZENE(20)			
8.4	94.0	.841	.0000	PHENOL			
8.6	128.0	.611	.0000	2-CHLOROPHENOL			
9.9	108.0	.671	.0000	2-METHYLPHENOL			
10.2	108.0	.699	.0000	4-METHYLPHENOL			
12.1	68.0	1.000	80.0000	D8-NAPHTHALENE(20)			
11.3	139.0	1.759	.0000	2-NITROPHENOL			
11.5	122.0	2.581	.0000	2,4-DIMETHYLPHENOL			
12.1	122.0	1.200	.0000	BENZOIC ACID			
11.9	162.0	2.051	.0000	2,4-DICHLOROPHENOL			
13.8	142.0	2.196	.0000	4-CHLORO-M-CRESOL			
16.7	164.0	1.000	80.0000	D10-ACENAPHTHENE(20)			
14.8	196.0	.237	.0000	2,4,5-TRICHLOROPHENOL			
14.8	196.0	.237	.0000	2,4,6-TRICHLOROPHENOL			
17.0	184.0	.111	.0000	2,4-DINITROPHENOL			
18.3	198.0	.126	.0000	4,6-DINITRO-O-CRESOL			
17.2	65.0	.231	.0000	4-NITROPHENOL			
20.3	188.0	1.000	80.0000	D10-PHENANTHRENE			
20.1	266.0	.072	.0000	PENTACHLOROPHENOL			

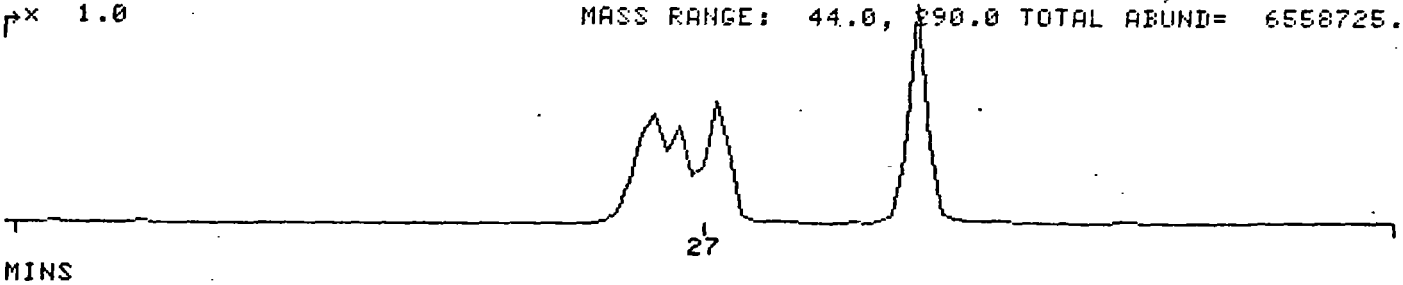
QC-956 MB1 CASE 3969
3/25/85/EM BTL#15 Q14756 D14756 1706 SCANS (994 SCANS, 18.02 MINS)
FRN: 14756, SRN: 7
MASS RANGE: 44.0, 333.9 TOTAL ABUND= 2111766.



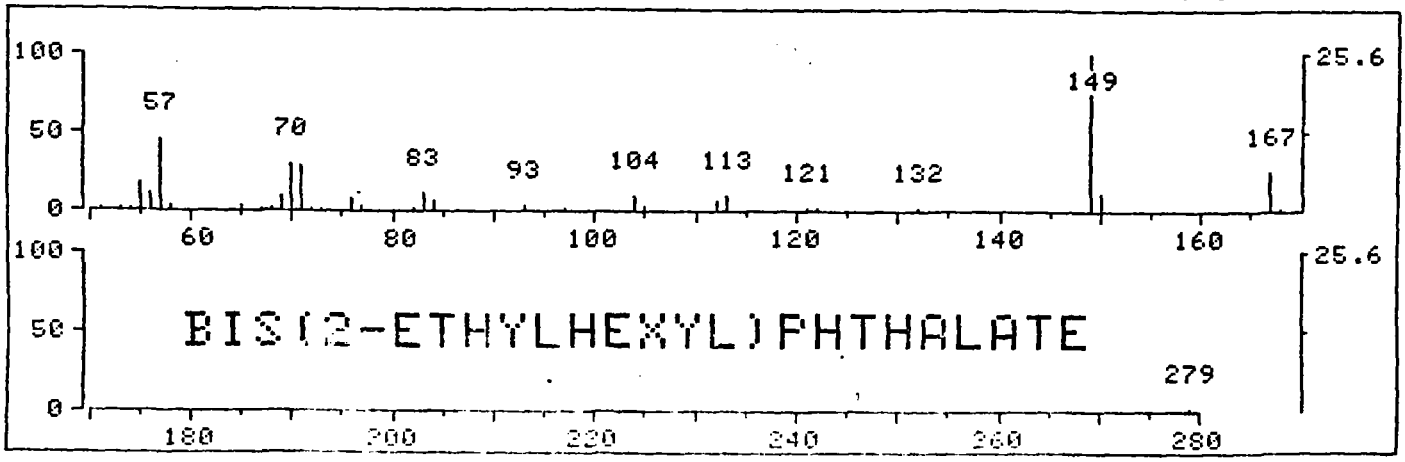
#1280 RET. TIME: 27.28 TOT ABUND= 6671. BASE PK/ABUND: 149.1/ 2415.



80BN
3/25/85/EM BTL#8 Q14749 D14749 1704 SCANS (111 SCANS, 2.02 MINS)
FRN: 14749, SRN: 7
MASS RANGE: 44.0, 390.0 TOTAL ABUND= 6558725.



#1278 RET. TIME: 27.28 TOT ABUND= 11554. BASE PK/ABUND: 149.0/ 2959.

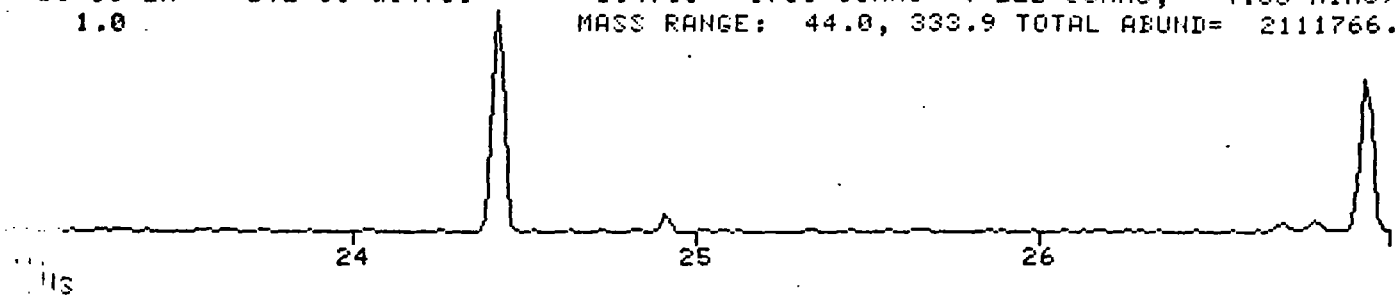


IV-33

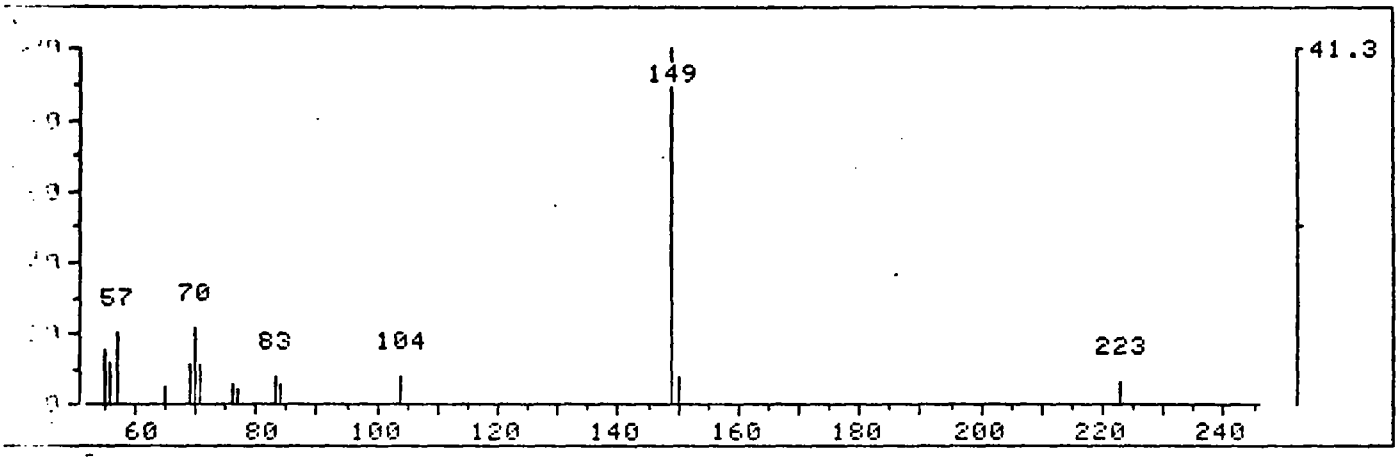
AREA TABLE ENTRIES: FRN 14756

Entry	Time	Mass	Area	%
1	27.0	239.7	14878.	100.0
2	24.9	TI	3902.	26.2

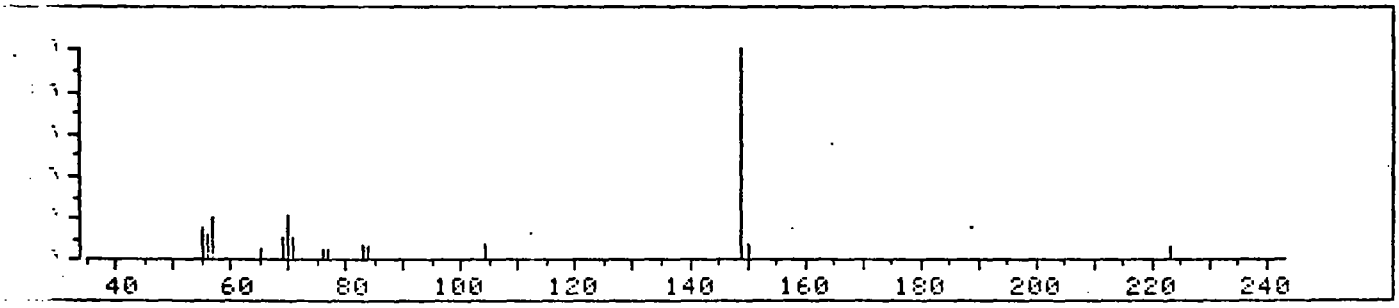
CALCULATE % ON ENTRY #:



149 RET. TIME: 24.90 TOT ABUND= 2692. BASE PK/ABUND: 149.1/ 1113.

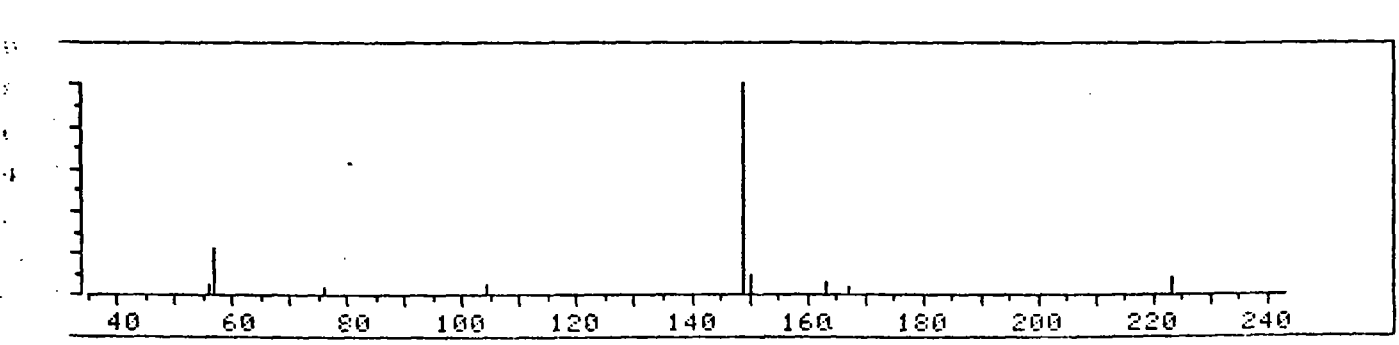


HITS: REFERENCE FRN 14756 SCAN 1149



.7%

6 LFRN 3011 SPECT 803 MW= 278 C16H2204
59 1,2-Benzenedicarboxylic acid, bis(2-methylpropyl) ester (9CI)



Date 3/30/85 Analyst BL Contract 3-705-050

Pesticide Analysis - Qualitative/Quantitative

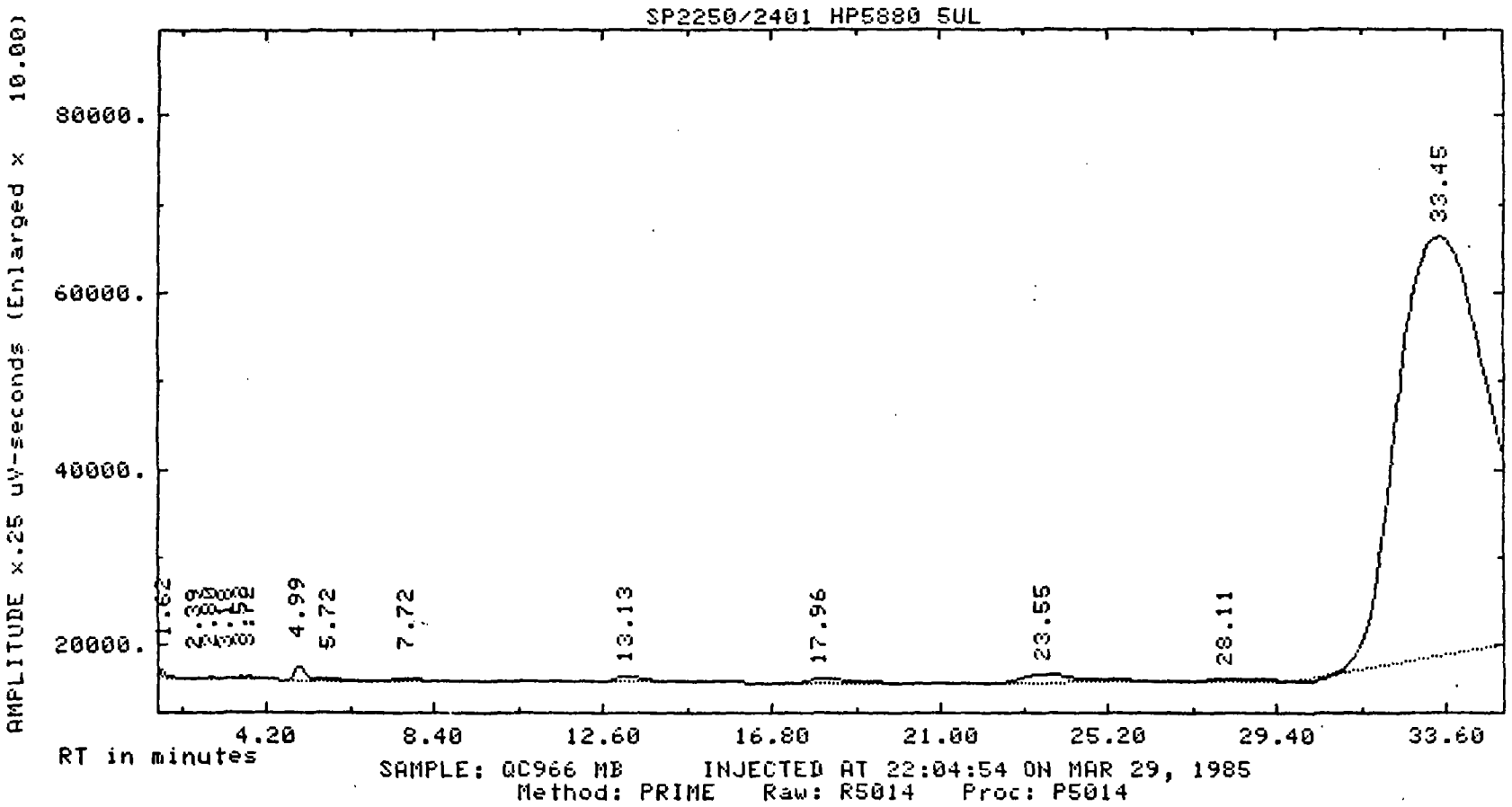
Case # 3969

Sample I.D. QC-966 / Method Blank 1 HP 5880
Run # 14 Bottle # 14

RT (min.)	Peak ID	Area x 10^3	ng/ml	Dilution Factor (mls extracted)	(ug/l) ppb	total ug
3.18	Heptachlor	0.24	<5.0	~~×100~~ ×10 ÷1000 =	<0.05	
3.52	δ-BHC	1.26	<5.0	×10 ÷1000 =	<0.05	
	DBC obscured by peak at 33 min					

GCA CORPORATION
GCA Technology Division

Case 3969


SP2250/2401 HP5880 5UL
AMPLITUDE x.25 uV-seconds (Enlarged x 10.00)
80000.
60000.
40000.
20000.
1.62
2.39
3.52
4.99
5.72
7.72
13.13
17.96
23.55
28.11
33.45
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: QC966 MB INJECTED AT 22:04:54 ON MAR 29, 1985
Method: PRIME Raw: R5014 Proc: P5014

PROCESSED DATA FILE: P5014 ON CRN 21

Case 3969

APR 2, 1985 11:35:23

REPORT: 110. CHANNEL: 2 # PEAKS: -18 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.02	0.00	1.00000	347	BV	.007	
2	1.31	0.00	1.00000	144	VB	.003	
3	1.62	0.00	1.00000	3618	BB	.076	
4	2.39	0.00	1.00000	203	BB	.004	
5	2.80	0.00	1.00000	1685	BV	.035	
6	3.18	0.00	1.00000	241	VV	.005	
7	3.52	0.00	1.00000	1258	VV	.026	
8	3.72	0.00	1.00000	1664	VB	.035	
9	4.99	0.00	1.00000	14628	BV	.308	
10	5.72	0.00	1.00000	1810	VB	.038	
11	7.72	0.00	1.00000	7321	BB	.154	
12	13.12	0.00	1.00000	16297	BB	.343	
13	17.98	0.00	1.00000	18845	BB	.396	
14	23.55	0.00	1.00000	42044	BV	.884	
15	28.11	0.00	1.00000	16597	VV	.349	
16	33.45	0.00	1.00000	4183603	VV	88.001	
17	37.18	0.00	1.00000	363871	VV	7.654	
18	38.99	0.00	1.00000	79887	VF	1.680	

TOTAL AREA = 4754062 TOTAL AREA % = 100.000

SAMPLE: QCSCE MB INJECTED AT 22:04:54 ON MAR 29, 1985

ZERO METHOD: PRIME SEQ: SM03 SUBSQ/SAMP: 1 / 14 BTL: 14

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	NO

ACTUAL RUN TIME: 40.017 MINUTES

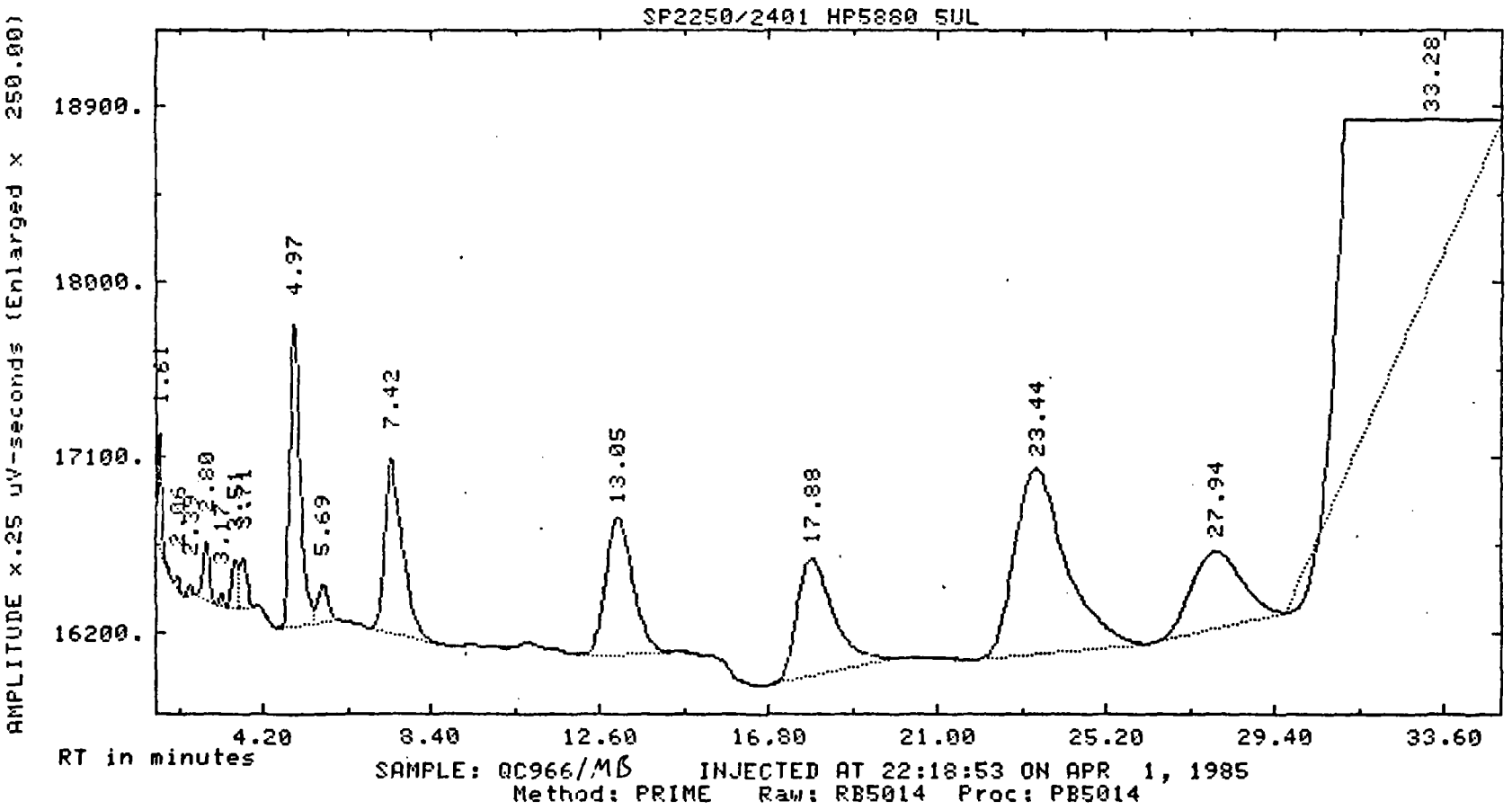
RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

ENDED NOT ON BASELINE

RAW DATA FILE: R5014 PARAM FILES= METHOD: SEQ:

DONE
READY

Case 3969


SP2250/2401 HP5880 5UL
AMPLITUDE x.25 uV-seconds (Enlarged x 250.00)
18900.
18000.
17100.
16200.
1.61
2.06
2.80
3.17
3.51
4.97
5.69
7.42
13.05
17.88
23.44
27.94
33.28
4.20
8.40
12.60
16.80
21.00
25.20
29.40
33.60
RT in minutes
SAMPLE: QC966/MB INJECTED AT 22:18:53 ON APR 1, 1985
Method: PRIME Raw: RB5014 Proc: PB5014

*LI,P,PB5014

PROCESSED DATA FILE: PB5014 ON CRN 21

Case 3969

APR 2, 1985 9:13:17

REPORT: 157 CHANNEL: 2 # PEAKS: -18 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.01	0.00	1.00000	276	BV	.007	
2	1.31	0.00	1.00000	235	VB	.006	
3	1.61	0.00	1.00000	2063	BB	.051	
4	2.06	0.00	1.00000	160	BB	.004	
5	2.39	0.00	1.00000	180	BB	.004	
6	2.80	0.00	1.00030	1553	BV	.039	
7	3.17	0.00	1.00000	240	VV	.006	
8	3.51	0.00	1.00000	1250	VV	.031	
9	3.71	0.00	1.00000	1577	VB	.039	
10	4.97	0.00	1.00000	14108	BV	.349	
11	5.69	0.00	1.00000	1760	VB	.043	
12	7.42	0.00	1.00000	13370	BB	.330	
13	13.05	0.00	1.00000	16151	BB	.398	
14	17.80	0.00	1.00000	18848	BB	.465	
15	23.44	0.00	1.00009	41699	BV	1.029	
16	27.94	0.00	1.00000	16789	VV	.414	
17	33.28	0.00	1.00000	3800389	VV	95.366	
18	39.29	0.00	1.00000	57522	VF	1.419	

TOTAL AREA = 4054248 TOTAL AREA % = 100.000

SAMPLE: QC066/MB INJECTED AT 22:18:53 ON APR 1, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 14 BTL: 14

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

ACTUAL RUN TIME: 40.017 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

ENDED NOT ON BASELINE

RAW DATA FILE: RB5014 PARAM FILES= METHOD: SEQ:

DONE
READY

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: GCA
Lab Sample ID No.: Blank
Sample Matrix: Water
Data Release Authorized By:

Case No: 3931
QC Report No: 3931
Contract No: 68-01-6767
Date Sample Received: 3/5/85

Volatile Compounds

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: 3/5/85
Date Analyzed: 3/5/85
Conc/Dil Factor: NA pH: NA
Percent Moisture: NA
Percent Moisture (Decanted): NA

CAS Number		(ug/l) or ug/Kg (Circle One)
74-87-3	Chloromethane	10u
74-83-9	Bromomethane	10u
75-01-4	Vinyl Chloride	10u
75-00-3	Chloroethane	10u
75-09-2	Methylene Chloride	23
67-64-1	Acetone	10u
75-15-0	Carbon Disulfide	5u
75-35-4	1, 1-Dichloroethene	5u
75-34-3	1, 1-Dichloroethane	5u
156-60-5	Trans-1, 2-Dichloroethene	5u
67-66-3	Chloroform	5u
107-06-2	1, 2-Dichloroethane	5u
78-93-3	2-Butanone	10u
71-55-6	1, 1, 1-Trichloroethane	5u
56-23-5	Carbon Tetrachloride	5u
108-05-4	Vinyl Acetate	10u
75-27-4	Bromodichloromethane	5u

CAS Number		(ug/l) or ug/Kg (Circle One)
79-34-5	1, 1, 2, 2-Tetrachloroethane	5u
78-87-5	1, 2-Dichloropropane	5u
10061-02-6	Trans-1, 3-Dichloropropene	5u
79-01-6	Trichloroethene	5u
124-48-1	Dibromochloromethane	5u
79-00-5	1, 1, 2-Trichloroethane	5u
71-43-2	Benzene	5u
10061-01-5	cis-1, 3-Dichloropropene	5u
110-75-8	2-Chloroethylvinylether	10u
75-25-2	Bromoform	5u
591-78-6	2-Hexanone	10u
108-10-1	4-Methyl-2-Pentanone	10u
127-18-4	Tetrachloroethene	5u
108-88-3	Toluene	5u
108-90-7	Chlorobenzene	5u
100-41-4	Ethylbenzene	5u
100-42-5	Styrene	5u
	Total Xylenes	—

[illegible]

Value [illegible]

U Indicates compound was [illegible] ... the sample.

J Indicates an estimated value [illegible]

C [illegible] ... confirmed by GC/MS [illegible]

B [illegible] ... found in the blank as well as the sample [illegible]

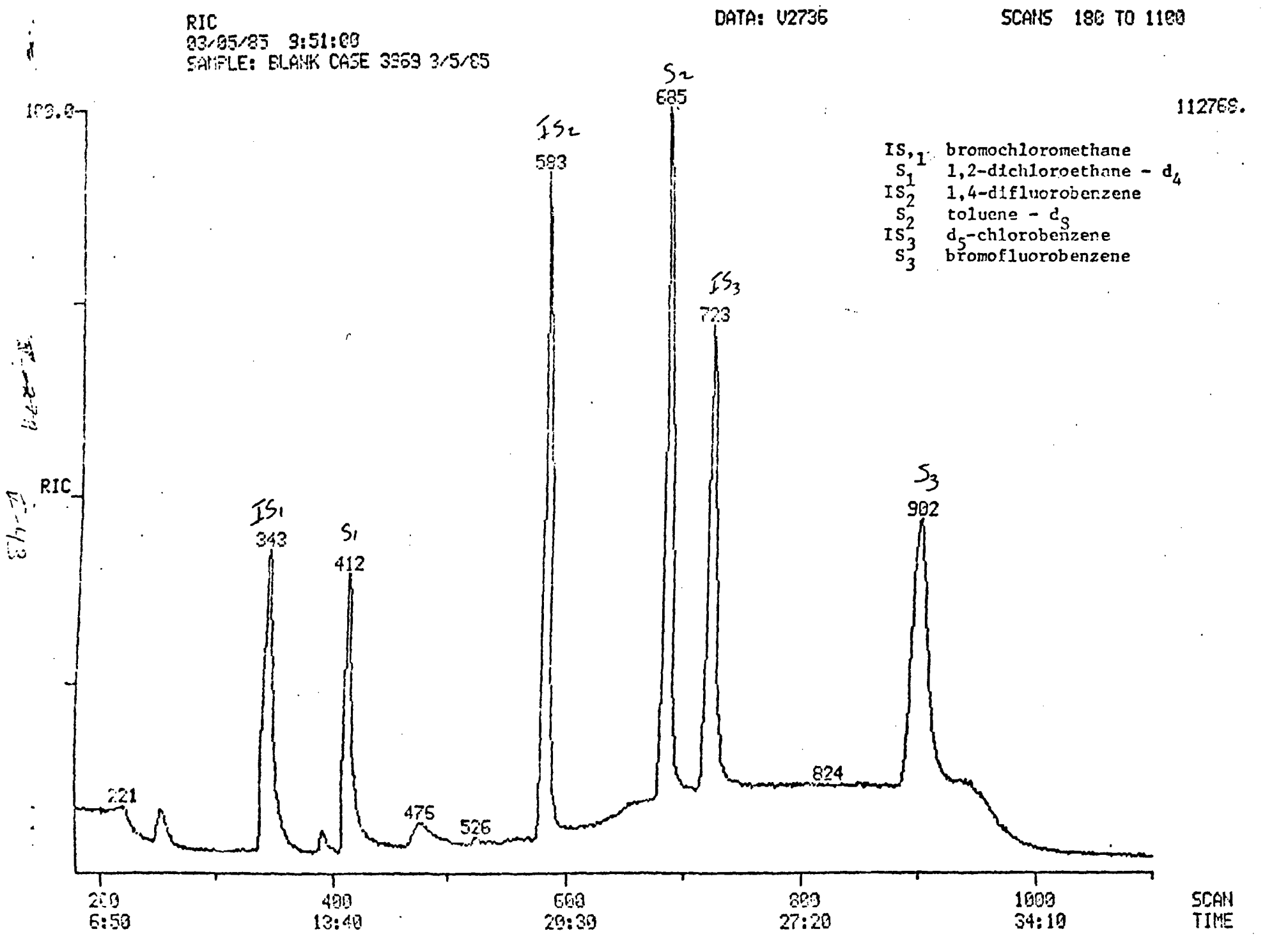
Other [illegible]

D-7-A II-41

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

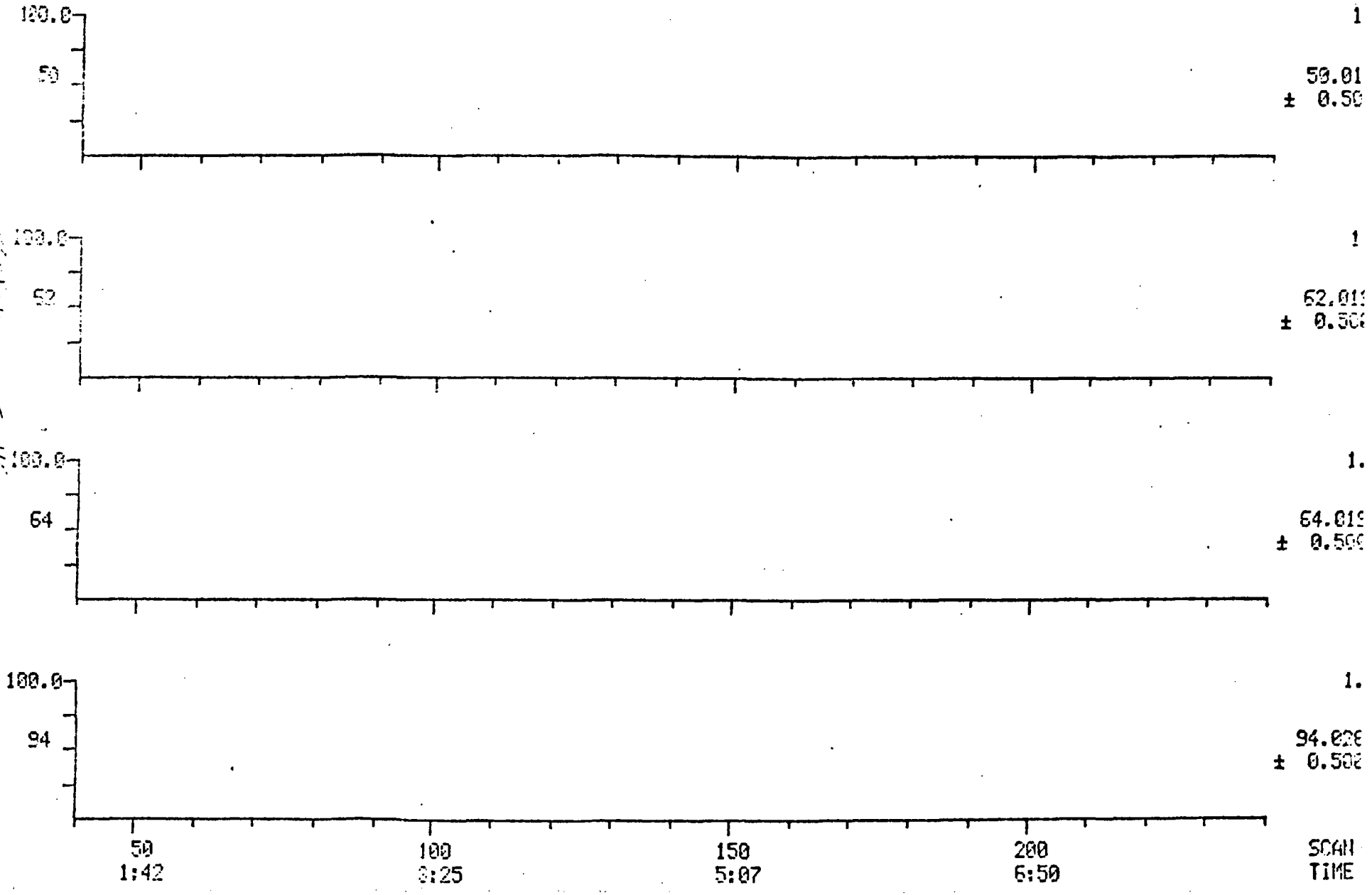
CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.	No Compounds Found	VOA		
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

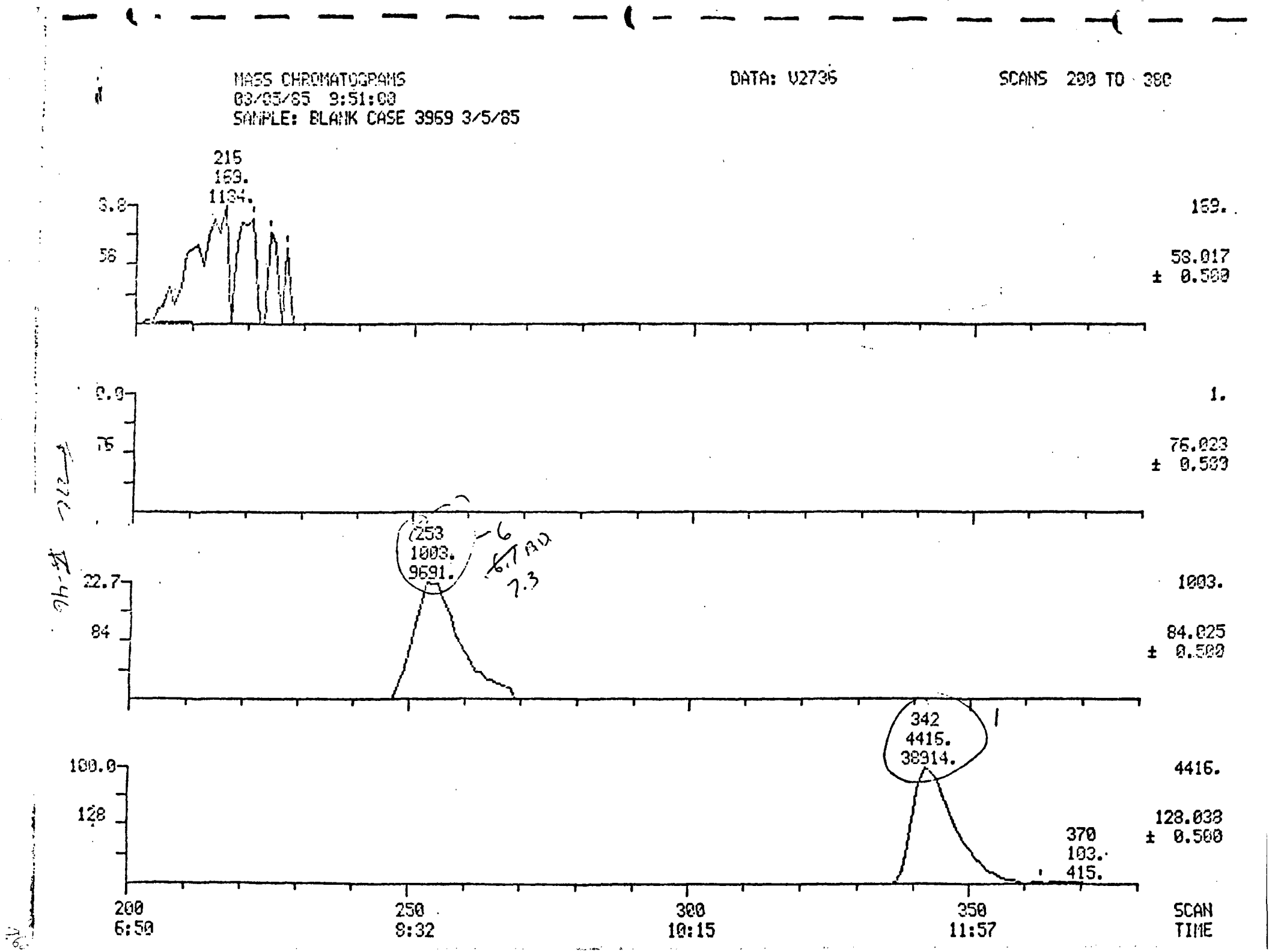

RIC
03/05/85 9:51:00
SAMPLE: BLANK CASE 3369 3/5/85
DATA: V2736
SCANS 180 TO 1100
100.0
112768.
RIC
IS1
343
S1
412
IS2
593
S2
685
IS3
723
S3
902
221
475
526
824
IS1 bromochloromethane
S1 1,2-dichloroethane - d4
IS2 1,4-difluorobenzene
S2 toluene - d8
IS3 d5-chlorobenzene
S3 bromofluorobenzene
200
6:50
400
13:40
600
20:30
800
27:20
1000
34:10
SCAN
TIME

Case: 3969

NO	NAME
1	BROMOCHLOROMETHANE(I.S.#1)
2	CHLOROMETHANE
3	BROMOMETHANE
4	VINYL CHLORIDE
5	CHLOROETHANE
6	METHYLENE CHLORIDE
7	CARBON DISULFIDE
8	ACETONE
9	1,1-DICHLOROETHENE
10	1,1-DICHLOROETHANE
11	TRANS-1,2-DICHLOROETHENE
12	CHLOROFORM
13	D4-1,2-DICHLOROETHANE(SURR #1)
14	1,2-DICHLOROETHANE
15	1,1,1-TRICHLOROETHANE
16	CARBON TETRACHLORIDE
17	VINYL ACETATE
18	2-BUTANONE
19	1,4-diflurobenzene(I.S. #2)
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	TRANS-1,3-DICHLOROPROPENE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	CIS-1,2-DICHLOROPROPENE
27	BENZENE
28	2-CHLOROETHYLVINYL ETHER
29	BROMOFORM
30	D8-TOLUENE
31	D5-CHLOROBENZENE(I.S. #3)
32	TETRACHLOROETHENE
33	1,1,2,2-TETRACHLOROETHANE
34	2- METHYL-2-PENTANONE
35	2-HEXANONE
36	TOLUENE
37	CHLOROBENZENE
38	ETHYL BENZENE
39	BFB(SURR #3)
40	STRYENE
41	TOTAL XYLENES

03/05/85 9:51:00
SAMPLE: BLANK CASE 3959 3/5/85

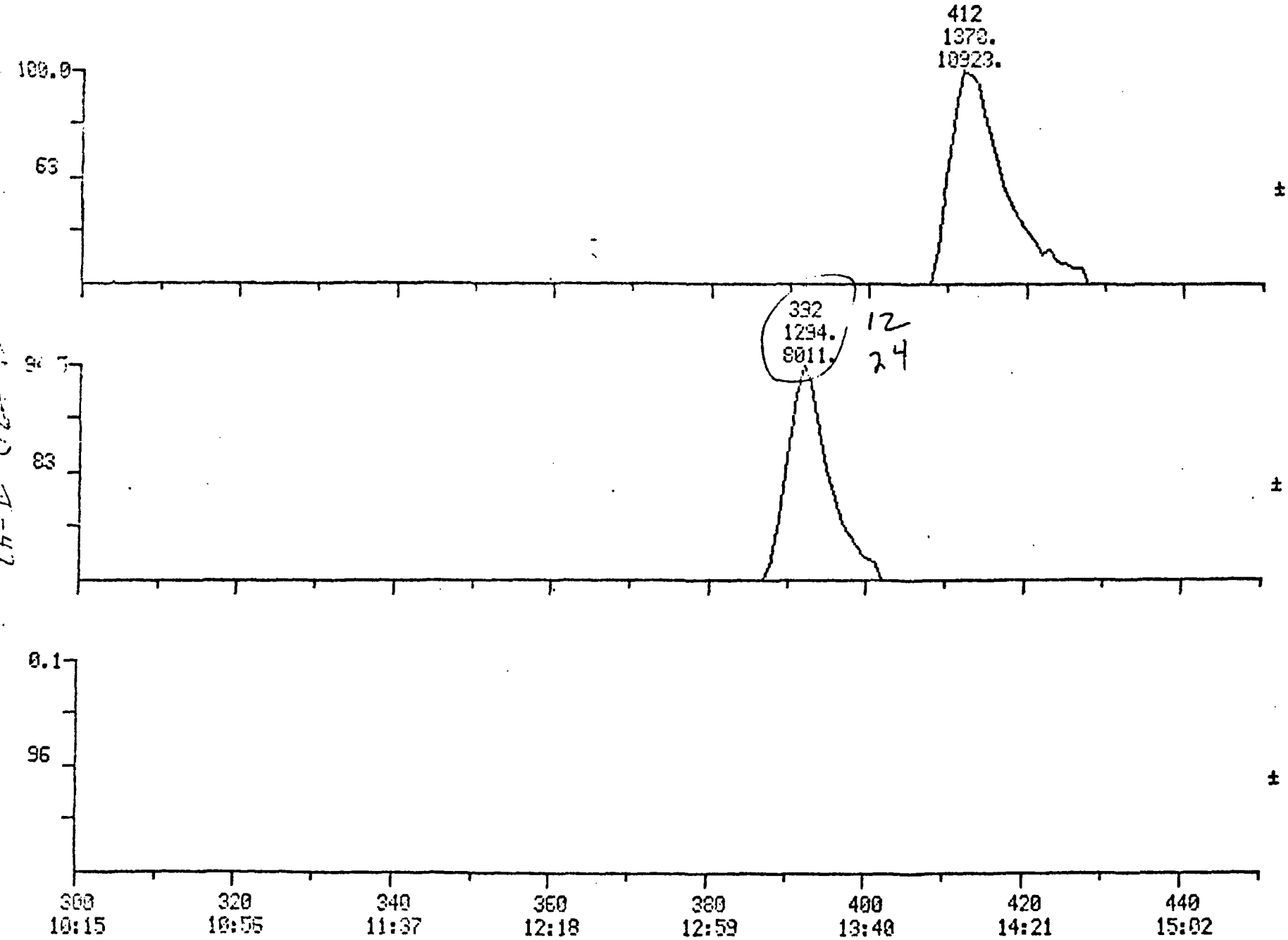



MASS CHROMATOGRAMS
03/05/85 9:51:00
SAMPLE: BLANK CASE 3969 3/5/85
DATA: U2736
SCANS 200 TO 380
215
169.
1134.
3.8
56
169.
58.017
± 0.500
0.0
76
1.
76.023
± 0.500
253
1003.
9691.
22.7
84
1003.
84.025
± 0.500
342
4415.
38914.
100.0
128
4416.
128.038
± 0.500
370
103.
415.
200
6:50
250
8:32
300
10:15
350
11:57
SCAN
TIME

MASS CHROMATOGRAMS
03/05/85 9:51:00
SAMPLE: BLANK CASE 3963 3/5/85

DATA: V2736

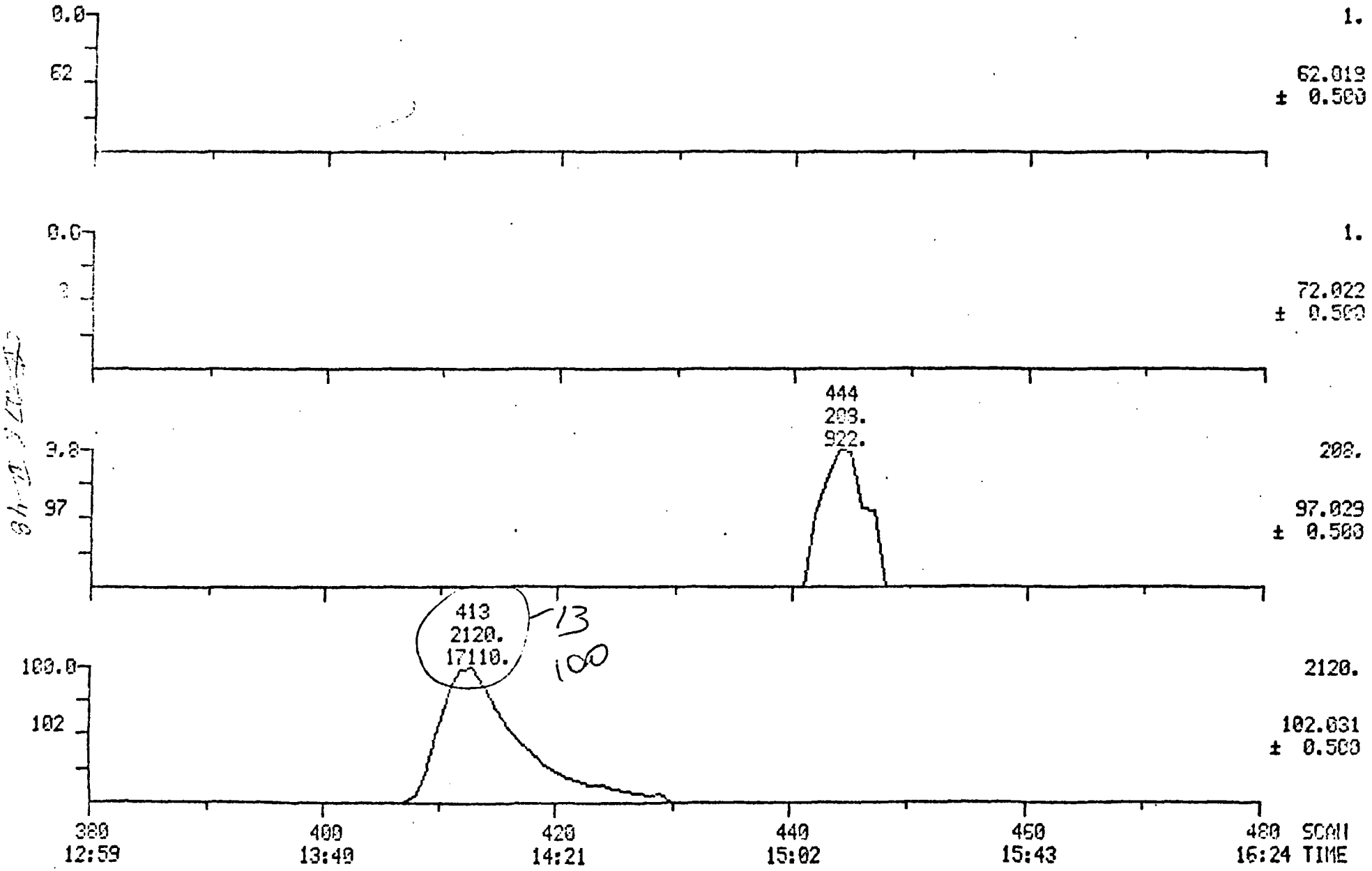
SCANS 300 TO 450

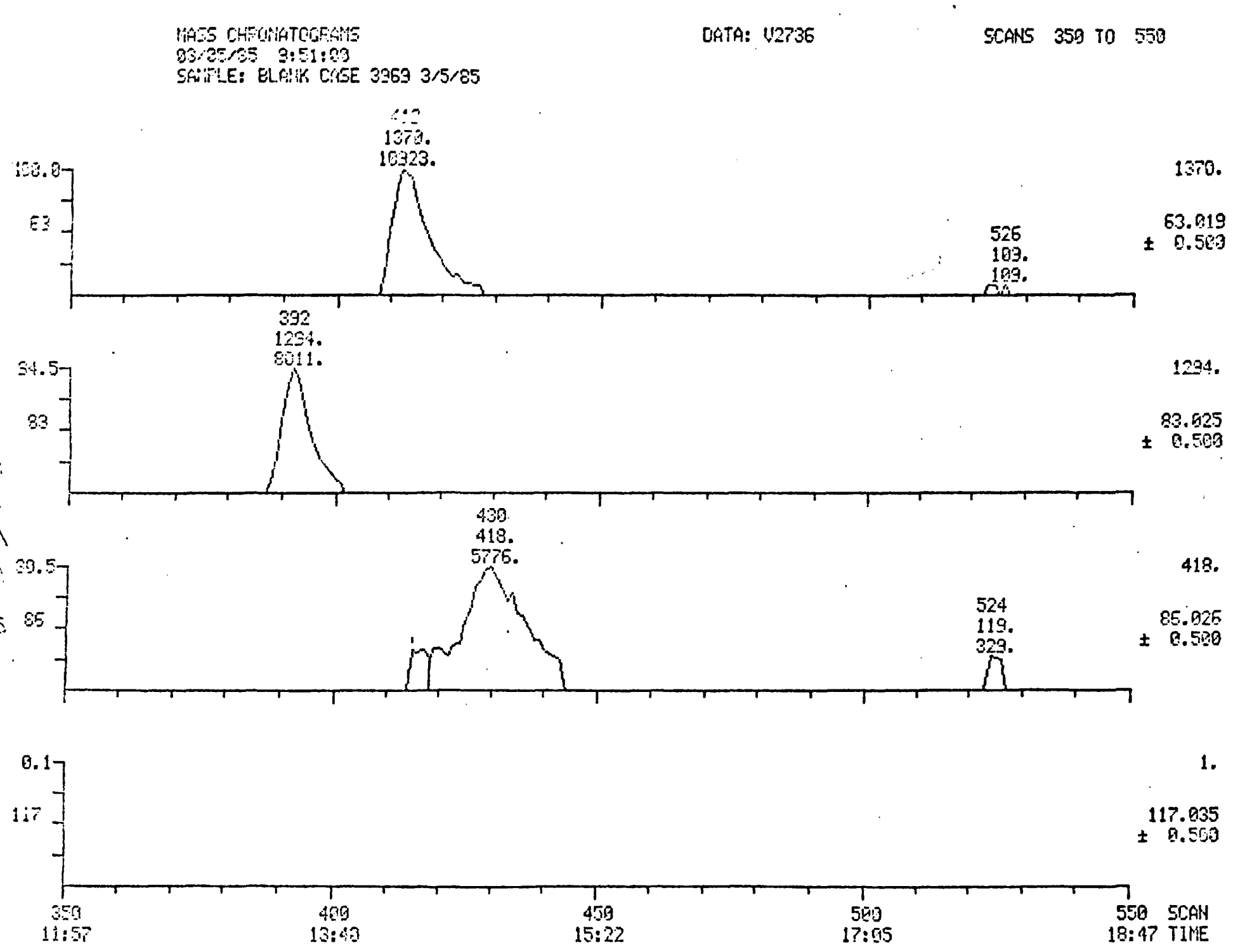


MASS CHROMATOGRAMS
03/05/85 9:51:00
SAMPLE: BLANK CASE 3959 3/5/85

DATA: V2736

SCANS 380 TO 480

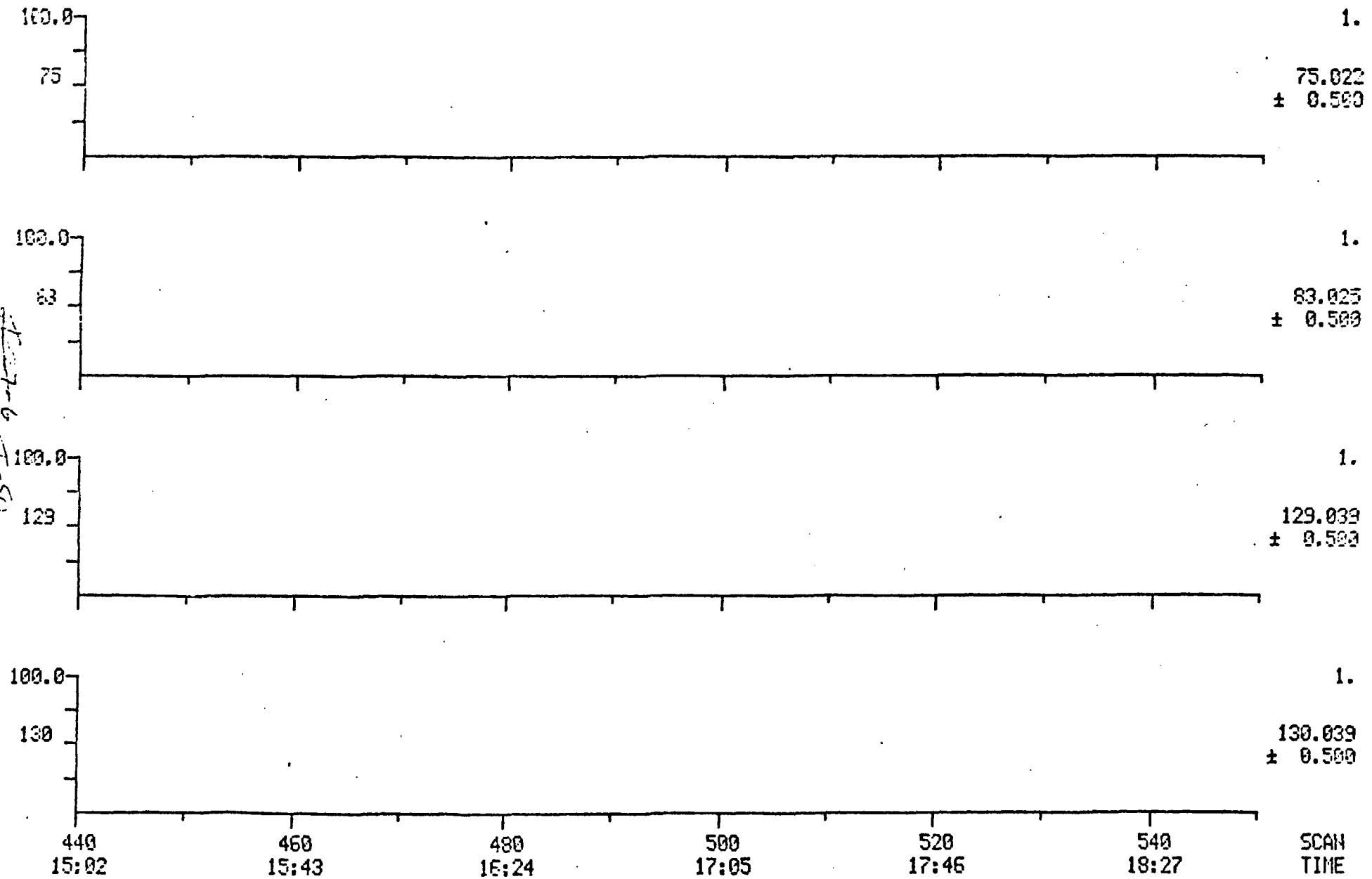


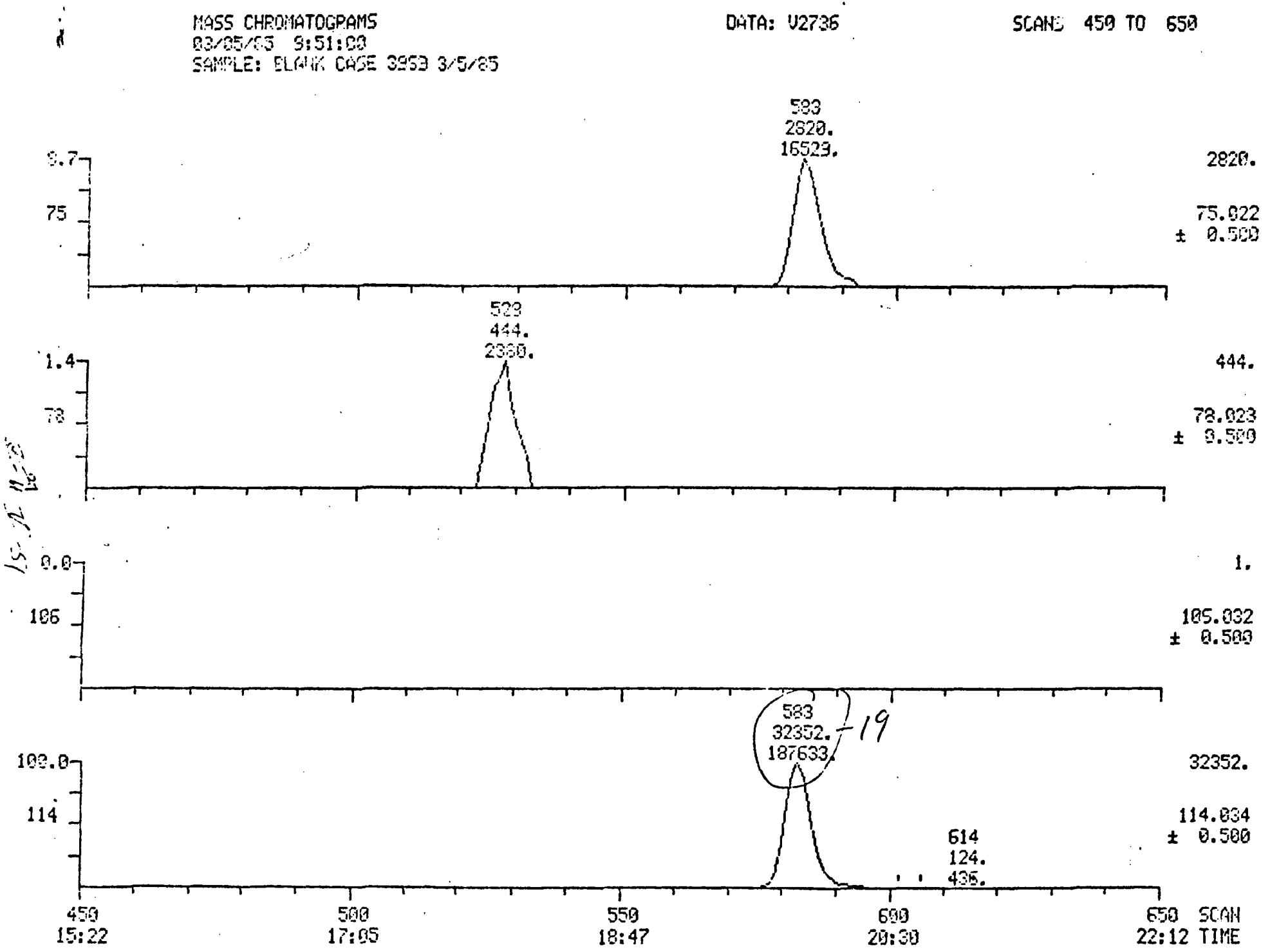

MASS CHROMATOGRAMS
03/05/85 3:51:03
SAMPLE: BLANK CASE 3369 3/5/85
DATA: V2736
SCANS 350 TO 550
412
1370.
10823.
100.0
63
1370.
63.019
± 0.500
526
109.
109.
392
1294.
8011.
84.5
83
1294.
83.025
± 0.500
430
418.
5776.
99.5
85
418.
85.025
± 0.500
524
119.
329.
0.1
117
1.
117.035
± 0.500
350
11:57
400
13:40
450
15:22
500
17:05
550 SCAN
18:47 TIME

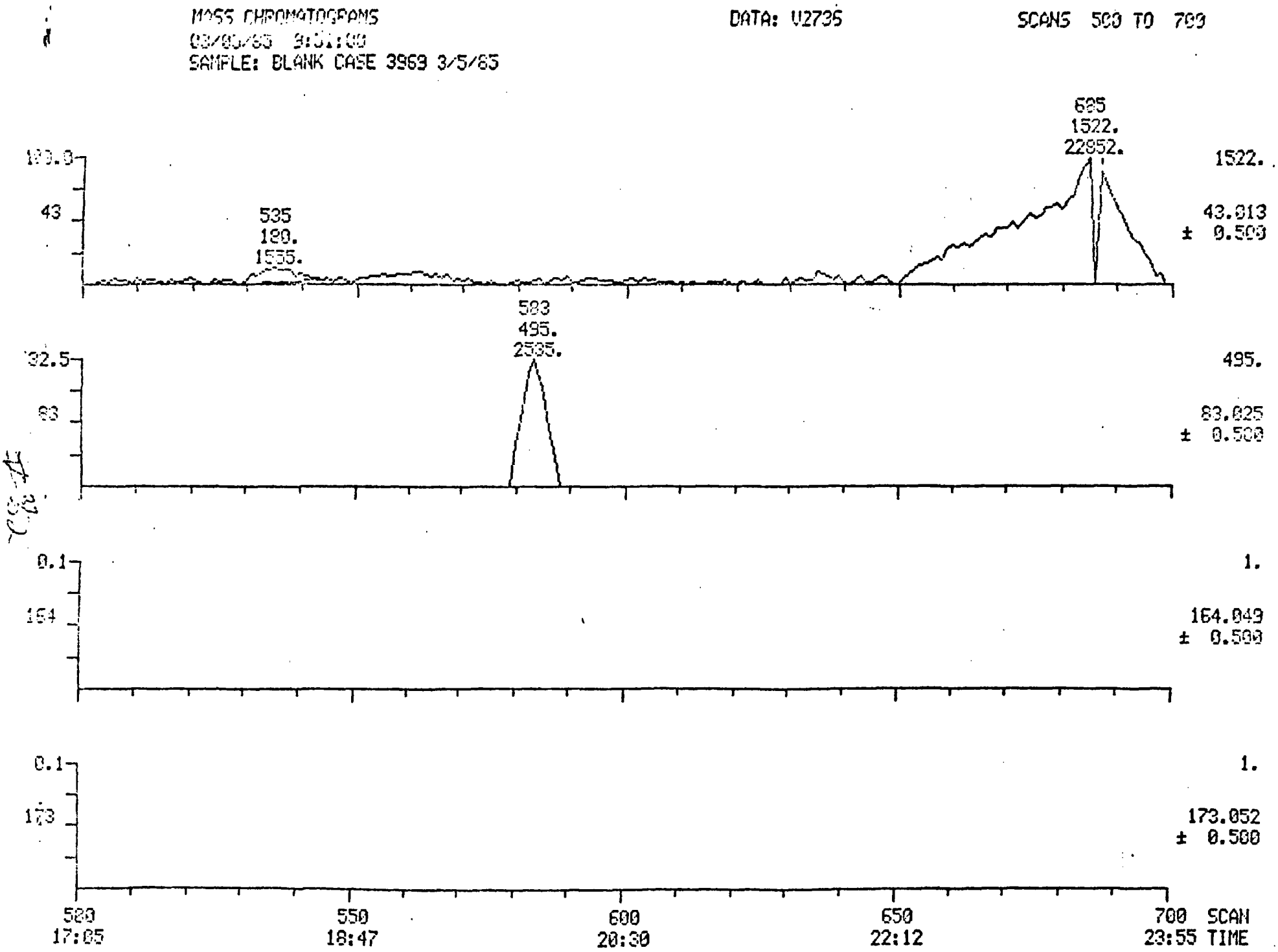
MASS CHROMATOGRAMS
03/05/85 9:51:00
SAMPLE: BLANK CASE 3959 3/5/85

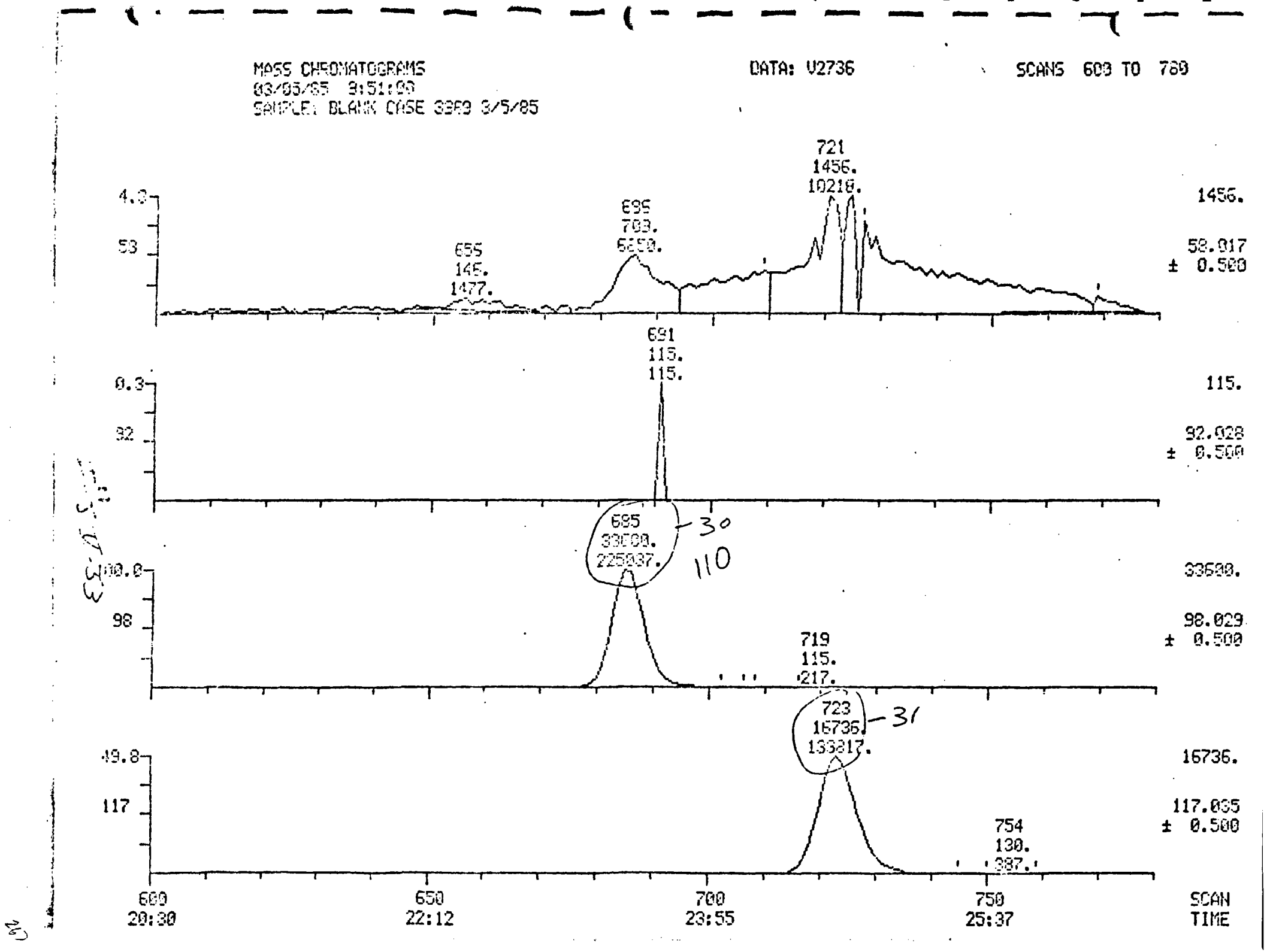
DATA: V2736

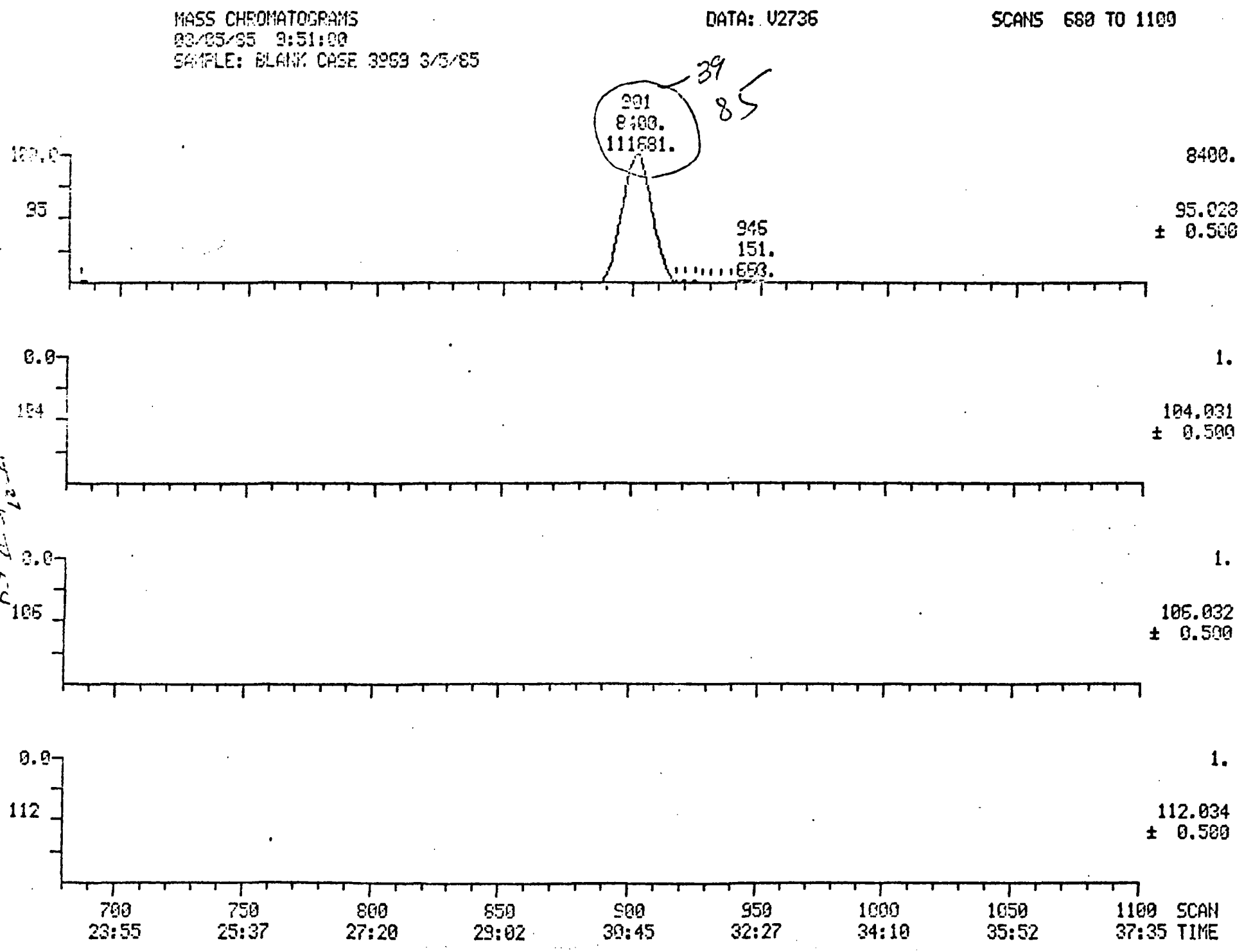
SCANS 440 TO 550




MASS CHROMATOGRAMS
03/05/85 9:51:00
SAMPLE: BLANK CASE 3953 3/5/85
DATA: V2736
SCANS 450 TO 650
583
2820.
16523.
9.7
75
2820.
75.022
± 0.500
523
444.
2360.
1.4
78
444.
78.023
± 0.500
0.0
106
1.
105.032
± 0.500
583
32352.
187633.
-19
100.0
114
32352.
114.034
± 0.500
614
124.
436.
450
15:22
500
17:05
550
18:47
600
20:30
650 SCAN
22:12 TIME


MASS CHROMATOGRAMS
DATA: U2735
SCANS 500 TO 700
SAMPLE: BLANK CASE 3963 3/5/85
605
1522.
22852.
100.0
43
535
180.
1535.
1522.
43.013
± 0.500
503
495.
2595.
92.5
83
495.
83.025
± 0.500
0.1
164
1.
164.049
± 0.500
0.1
173
1.
173.052
± 0.500
500
17:05
550
18:47
600
20:30
650
22:12
700 SCAN
23:55 TIME

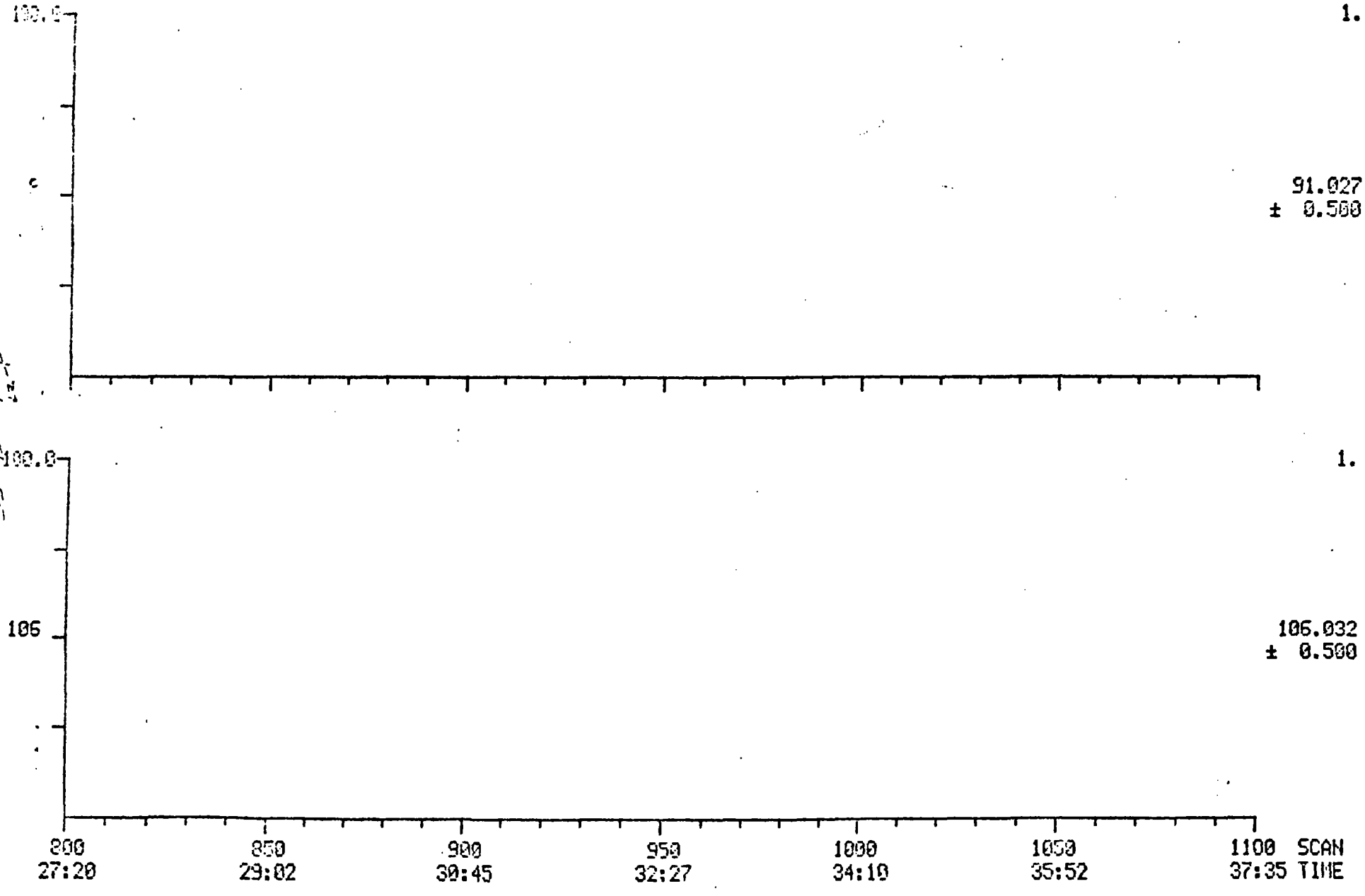

MASS CHROMATOGRAMS
03/05/85 9:51:00
SAMPLE: BLANK CASE 3359 3/5/85
DATA: V2736
SCANS 600 TO 780
721
1456.
10210.
695
703.
5850.
655
145.
1477.
1456.
58.017
± 0.500
691
115.
115.
115.
92.028
± 0.500
685
33500.
225037.
-30
110
33500.
98.029
± 0.500
719
115.
217.
723
16736.
133817.
-31
16736.
117.005
± 0.500
754
130.
387.
600
20:30
650
22:12
700
23:55
750
25:37
SCAN
TIME


MASS CHROMATOGRAMS
03/05/85 9:51:00
SAMPLE: BLANK CASE 3959 3/5/85
DATA: V2736
SCANS 680 TO 1100
39
85
201
8400.
111681.
100.0
95
945
151.
650.
8400.
95.023
± 0.500
0.0
104
1.
104.031
± 0.500
0.0
105
1.
105.032
± 0.500
0.0
112
1.
112.034
± 0.500
700
23:55
750
25:37
800
27:20
850
29:02
900
30:45
950
32:27
1000
34:10
1050
35:52
1100 SCAN
37:35 TIME

MASS CHROMATOGRAMS
03/05/85 9:51:00
SAMPLE: BLANK CASE 3569 3/5/85

DATA: V2736

SCANS 800 TO 1100



(Page 1)

Laboratory Name: GCA

Lab Sample ID No: blank

Sample Matrix: water

Data Release Authorized By:

Case No: 3969

QC Report No: 3969

Contract No: 68-01-6767

Date Sample Received: 3/6/85

Volatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/6/85

Date Analyzed: 3/6/85

Conc/Dil Factor: 1 pH: NA

Percent Moisture: NA

Percent Moisture (Decanted): NA

CAS Number		(ug/l) or ug/Kg (Circle One)
74-87-3	Chloromethane	10u
74-83-9	Bromomethane	10u
75-01-4	Vinyl Chloride	10u
75-00-3	Chloroethane	10u
75-09-2	Methylene Chloride	4.5
67-64-1	Acetone	10u
75-15-0	Carbon Disulfide	5u
75-35-4	1, 1-Dichloroethene	5u
75-34-3	1, 1-Dichloroethane	5u
156-60-5	Trans-1, 2-Dichloroethene	5u
67-66-3	Chloroform	5u
107-06-2	1, 2-Dichloroethane	5u
78-93-3	2-Butanone	10u
71-55-6	1, 1, 1-Trichloroethane	5u
56-23-5	Carbon Tetrachloride	5u
108-05-4	Vinyl Acetate	10u
75-27-4	Bromodichloromethane	5u

CAS Number		(ug/l) or ug/Kg (Circle One)
79-34-5	1, 1, 2, 2-Tetrachloroethane	5u
78-87-5	1, 2-Dichloropropane	5u
10061-02-6	Trans-1, 3-Dichloropropene	5u
79-01-6	Trichloroethene	5u
124-48-1	Dibromochloromethane	5u
79-00-5	1, 1, 2-Trichloroethane	5u
71-43-2	Benzene	5u
10061-01-5	cis-1, 3-Dichloropropene	5u
110-75-8	2-Chloroethylvinylether	10u
75-25-2	Bromoform	5u
591-78-6	2-Hexanone	10u
108-10-1	4-Methyl-2-Pentanone	10u
127-18-4	Tetrachloroethene	5u
108-88-3	Toluene	5u
108-90-7	Chlorobenzene	5u
100-41-4	Ethylbenzene	5u
100-42-5	Styrene	5u
	Total Xylenes	5u

Data Reporting Qualifiers

[illegible]

Value [illegible]

U [illegible]

J [illegible]

C [illegible]

B [illegible]

Other [illegible]

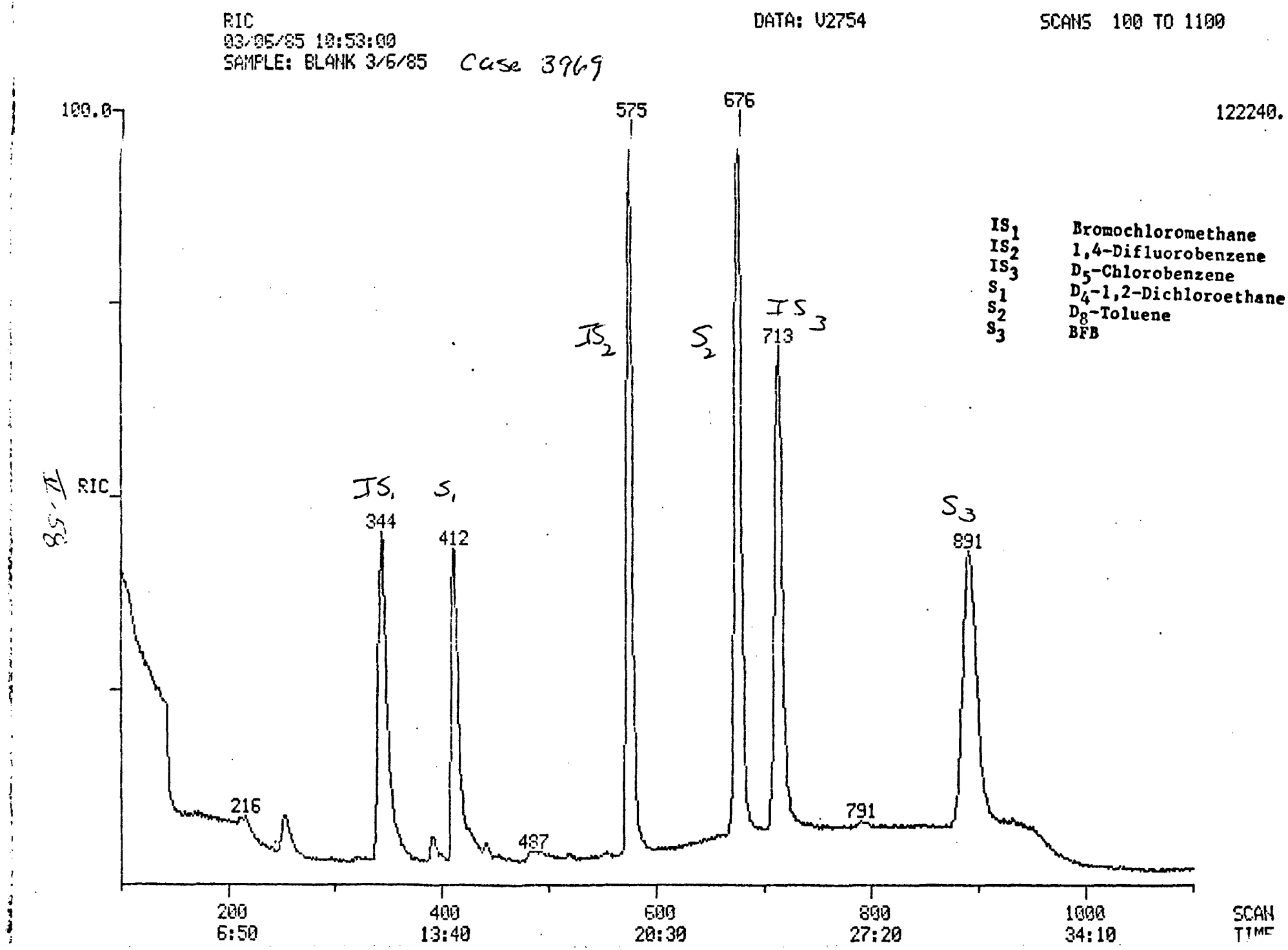
IV-56

Sample Number
M63

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
	No Compounds Found	VOA		


RIC
03/05/85 10:53:00
SAMPLE: BLANK 3/6/85 Case 3969
DATA: V2754
SCANS 100 TO 1100
100.0
122240.
RIC
575
676
713
344
412
216
487
791
891
IS1
S1
IS2
S2
IS3
S3
IS1 Bromochloromethane
IS2 1,4-Difluorobenzene
IS3 D5-Chlorobenzene
S1 D4-1,2-Dichloroethane
S2 D8-Toluene
S3 BFB
200
6:50
400
13:40
600
20:30
800
27:20
1000
34:10
SCAN
TIME

A: V2754.TI
06/85 10:53:00
NTITATION REPORT FILE: M2

A: V2754.TI
06/85 10:53:00 MB3 Case 3969
PLE: BLANK 3/6/85
MITTED BY: ANALYST:

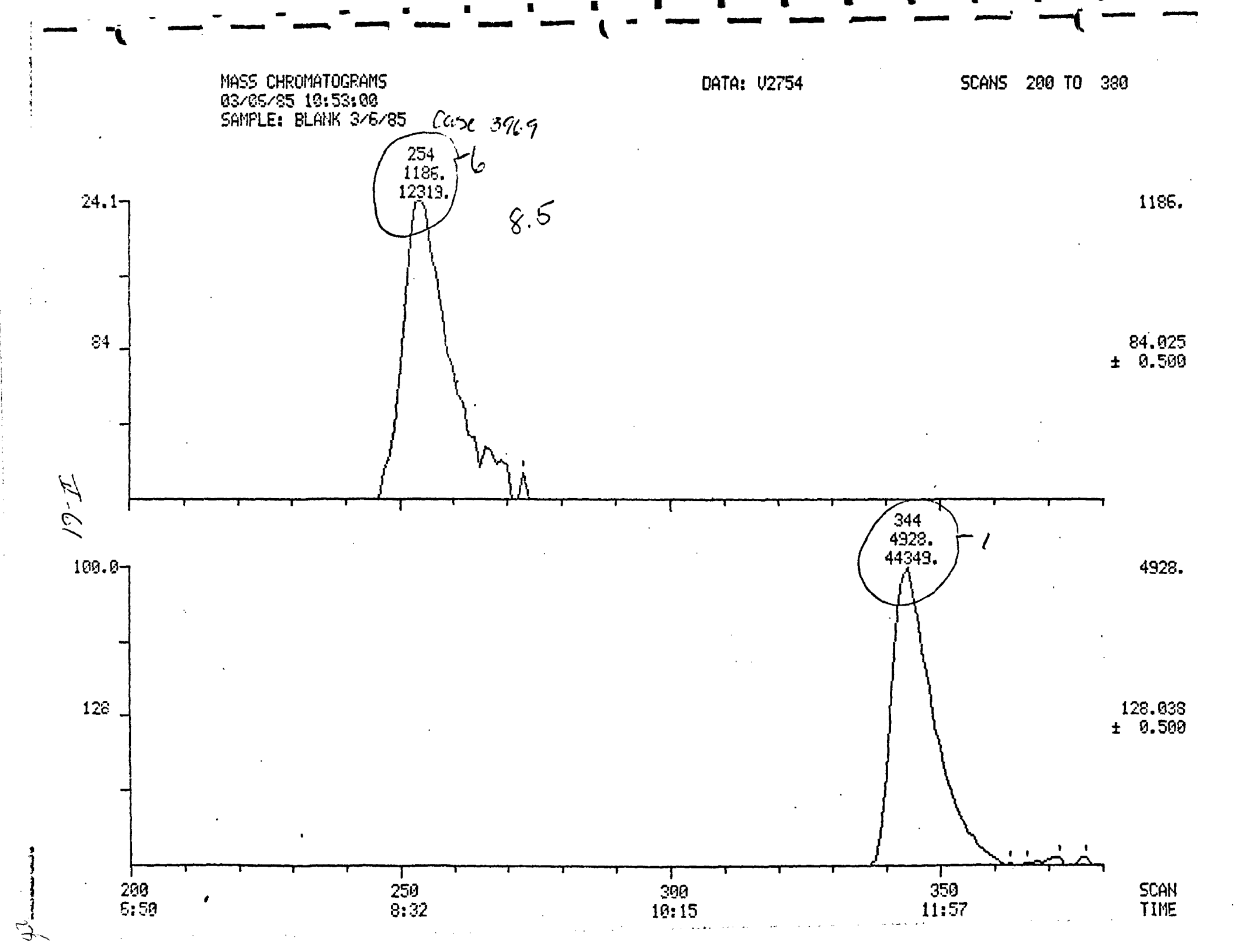
UNT=AREA(HGHT) * REF. AMNT/(REF. AREA(HGHT)* RESP. FACT)
P. FAC. FROM LIBRARY ENTRY

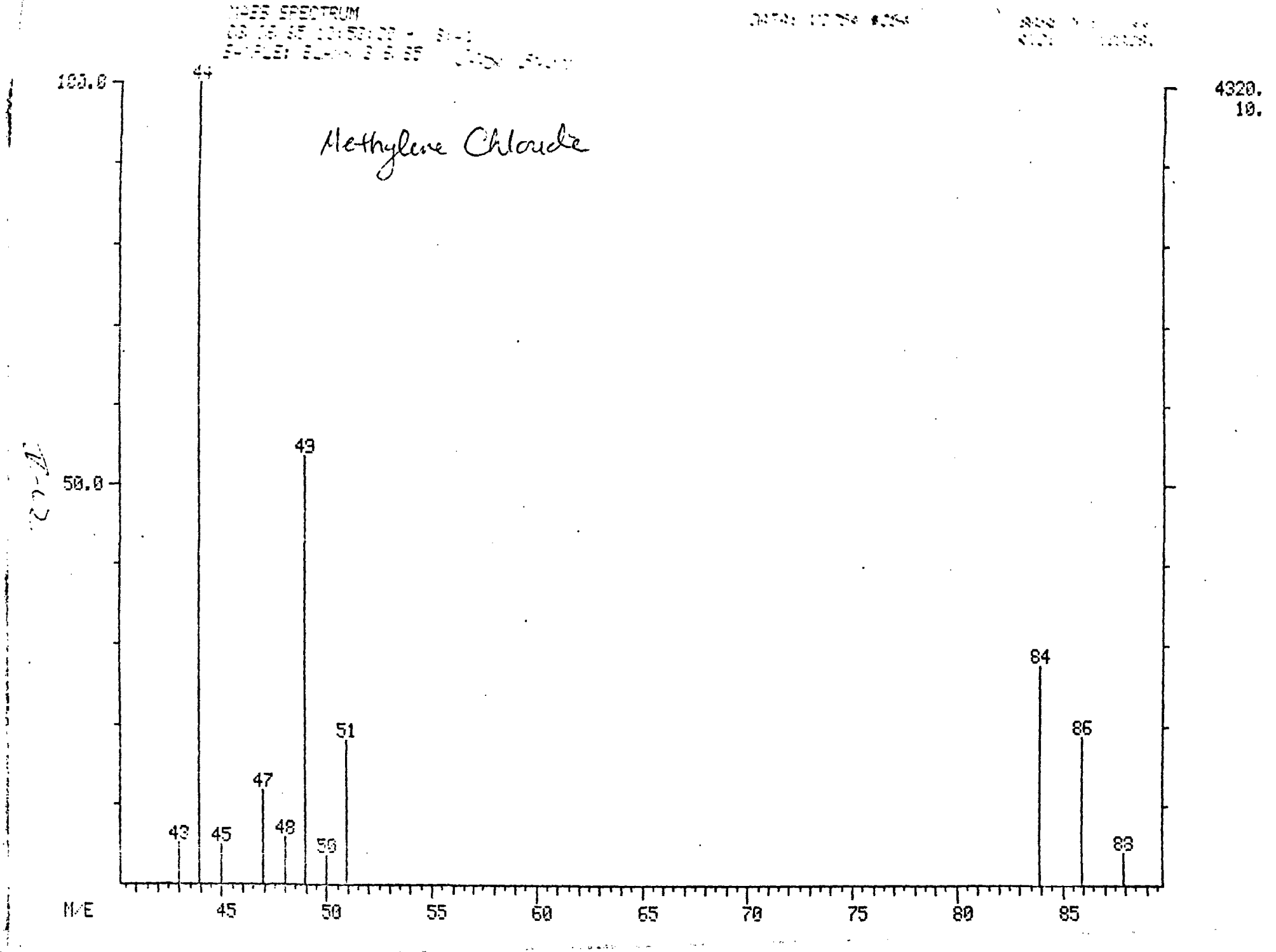
NAME
BROMOCHLOROMETHANE(I.S. #1)
CHLOROMETHANE
BROMOMETHANE
VINYL CHLORIDE
CHLOROETHANE
METHYLENE CHLORIDE
ACETONE
CARBON DISULFIDE
1,1-DICHLOROETHENE
1,1-DICHLOROETHANE
TRANS 1,2-DICHLOROETHENE
CHLOROFORM
1,2-DICHLOROETHANE
D4-1,2-DICHLOROETHANE
1,1,1-TRICHLOROETHANE
1,4-DIFLUOROBENZENE(I.S. #2)
CARBON TETRACHLORIDE
VINYL ACETATE
2-BUTANONE
BROMODICHLOROMETHANE
1,2-DICHLOROPROPANE
TRANS 1,3-DICHLOROPROPANE
TRICHLOROETHENE
DIBROMOCHLOROMETHANE
1,1,2-TRICHLOROETHANE
BENZENE
CIS-1,3-DICHLOROPROPENE
BROMOFORM
D8-TOLUENE(SURR#2)
2-CHLOROETHYLVINYLETHER
D5-CHLOROBENZENE(I.S. #3)
4 METHYL 2 PENTANONE
2-HEXANONE
TETRACHLOROETHENE
1,1,2,2,TETRACHLOROETHANE
TOLUENE
CHLOROBENZENE
ETHYLBENZENE
BFB(SURR#3)
STYRENE
TOTAL XYLENES

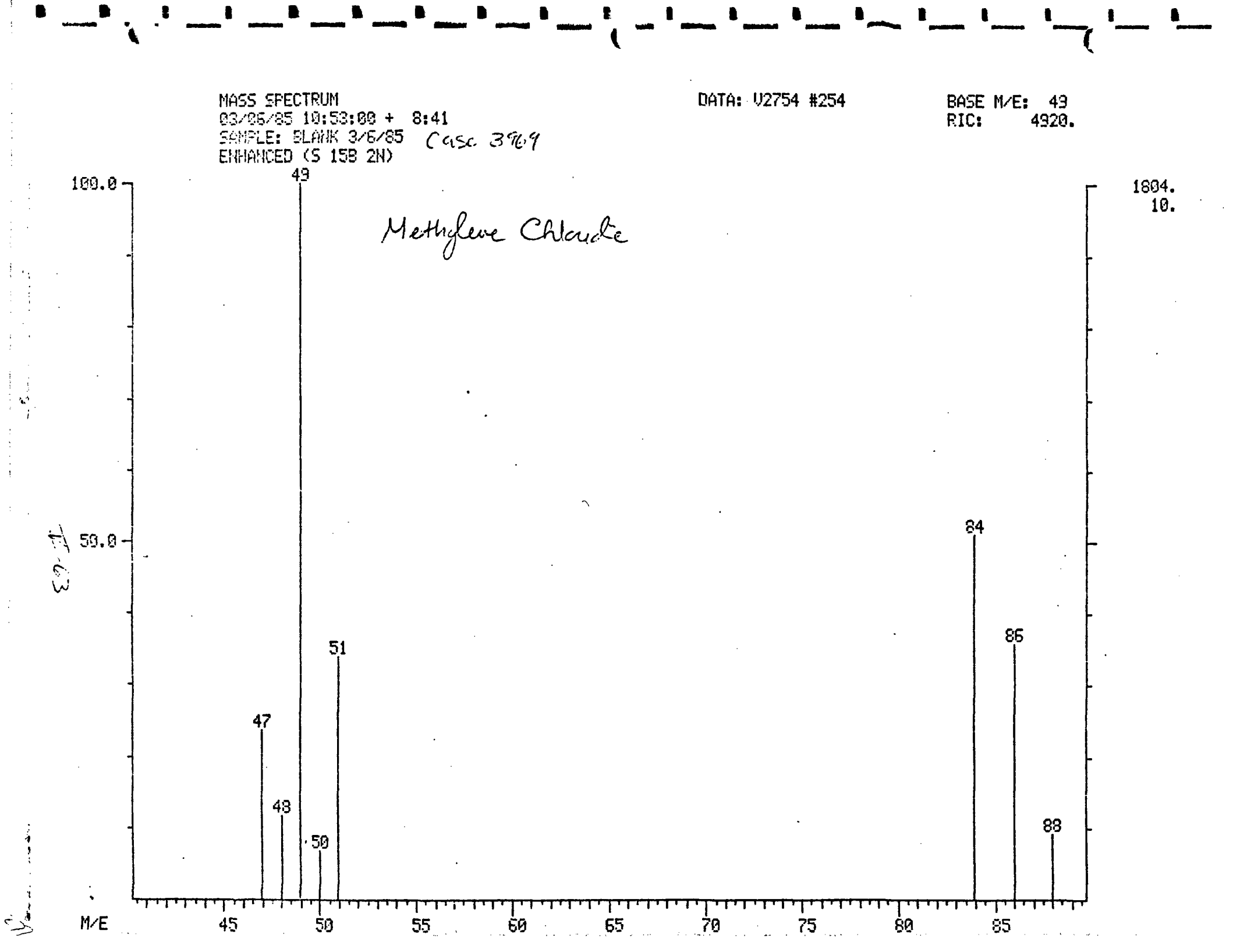
M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
128	344	11:45	1	1.000	A BB	43944.	50.000 UG/L	11.38
NOT FOUND								
NOT FOUND								

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
4	NOT FOUND									
5	NOT FOUND									
6	NOT FOUND									
7	NOT FOUND									
8	NOT FOUND									
9	NOT FOUND									
10	NOT FOUND									
11	NOT FOUND									
12	NOT FOUND									
13	NOT FOUND									
14	65	412	14:05	1	1.198	A BB	140000.	91.744	%REC	20.89
15	NOT FOUND									
16	114	575	19:39	16	1.000	A BB	222337.	50.000	UG/L	11.38
17	NOT FOUND									
18	NOT FOUND									
19	NOT FOUND									
20	NOT FOUND									
21	NOT FOUND									
22	NOT FOUND									
23	NOT FOUND									
24	NOT FOUND									
25	NOT FOUND									
26	NOT FOUND									
27	NOT FOUND									
28	NOT FOUND									
29	98	675	23:04	16	1.174	A BB	254942.	96.660	%REC	22.00
30	NOT FOUND									
31	117	713	24:22	31	1.000	A BB	154346.	50.000	UG/L	11.38
32	NOT FOUND									
33	NOT FOUND									
34	NOT FOUND									
35	NOT FOUND									
36	92	681	23:16	31	0.955	A BB	1634.	0.471	UG/L	0.11
37	NOT FOUND									
38	NOT FOUND									
39	95	892	30:29	31	1.251	A BB	128970.	100.391	%REC	22.85
40	NOT FOUND									
41	NOT FOUND									

MBS Case 3969 3/6/85


MASS CHROMATOGRAMS
03/05/85 10:53:00
SAMPLE: BLANK 3/6/85
DATA: V2754
SCANS 200 TO 380
254
1186.
12319.
24.1
84
1186.
84.025
± 0.500
344
4928.
44349.
100.0
128
4928.
128.038
± 0.500
200
5:50
250
8:32
300
10:15
350
11:57
SCAN
TIME


MASS SPECTRUM
Methylene Chloride
100.0
50.0
4320.
10.
44
49
51
47
43
45
48
50
84
86
83
M/E
45
50
55
60
65
70
75
80
85


MASS SPECTRUM
03/06/85 10:53:00 + 8:41
SAMPLE: BLANK 3/6/85
ENHANCED (S 15B 2N)
DATA: U2754 #254
BASE M/E: 43
RIC: 4920.
Case 3769
Methylene Chloride
100.0
50.0
M/E
1804.
10.
43
84
86
51
47
48
50
88
45
50
55
60
65
70
75
80
85

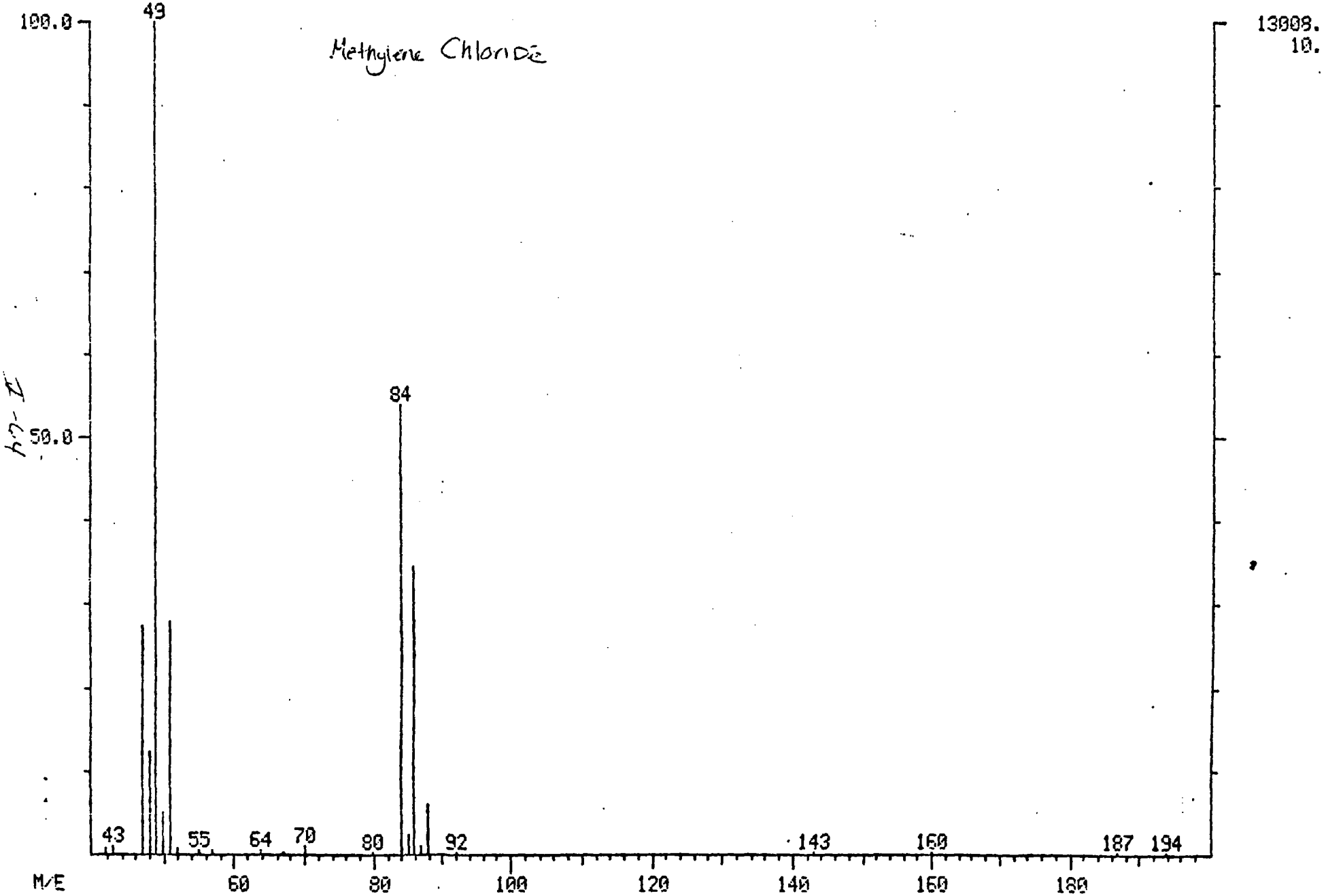
MASS SPECTRUM
03/03/85 12:41:00 + 8:28
SAMPLE:
ENHANCED (S 15B 2N)

DATA: V2708 #248

BASE M/E: 49
RIC: 36224.

CCC 100 ppb

Methylene Chloride



Laboratory Name:	GCA	Case No	3969
Lab Sample ID No.	43232 MS	QC Report No	3969
Sample Matrix	water	Contract No	68-01-6767
Data Release Authorized By		Date Sample Received	3/1/85

Volatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/5/85

Date Analyzed: 3/5/85

Conc/Dil Factor: 1 pH NA

Percent Moisture: NA

Percent Moisture (Decanted): NA

CAS Number		(ug/L) or ug/Kg (Circle One)
[illegible]	Chloromethane	10u
[illegible]	Bromomethane	10u
[illegible]	Vinyl Chloride	10u
[illegible]	Chloroethane	10u
[illegible]	Methylene Chloride	3.5
[illegible]	Acetone	10u
[illegible]	Carbon Disulfide	5u
[illegible]	1, 1-Dichloroethene	—
[illegible]	1, 1-Dichloroethane	5u
[illegible]	Trans-1, 2-Dichloroethene	5u
[illegible]	Chloroform	6.8
[illegible]	1, 2-Dichloroethane	5u
[illegible]	2-Butanone	10u
[illegible]	1, 1, 1-Trichloroethane	5u
[illegible]	Carbon Tetrachloride	5u
[illegible]	Vinyl Acetate	10u
[illegible]	Bromodichloromethane	5u

CAS Number		(ug/L) or ug/Kg (Circle One)
79-34-5	1, 1, 2, 2-Tetrachloroethane	[illegible]
78-87-5	1, 2-Dichloropropane	[illegible]
10061-02-6	Trans-1, 3-Dichloropropene	[illegible]
79-01-6	Trichloroethene	—
124-48-1	Dibromochloromethane	[illegible]
79-00-5	1, 1, 2-Trichloroethane	[illegible]
71-43-2	Benzene	[illegible]
10061-01-5	cis-1, 3-Dichloropropene	[illegible]
110-75-8	2-Chloroethylvinylether	10u
75-25-2	Bromoform	[illegible]
591-78-6	2-Hexanone	
108-10-1	4-Methyl-2-Pentanone	10u
127-18-4	Tetrachloroethene	5u
108-88-3	Toluene	
108-90-7	Chlorobenzene	[illegible]
100-41-4	Ethylbenzene	5u
100-42-5	Styrene	5u
	Total Xylenes	5u

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value: If the result is a value greater than or equal to the detection limit, report the value.

U: Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U) based on necessary concentration/dilution action. (This is not necessarily the instrument detection limit.) The footnote should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J: Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. [illegible]

C: This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥10 ng/ul in the final extract should be confirmed by GC/MS.

B: This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other: Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

II-65

Environmental Protection Agency, CLP Sample Management Office,
P.O. Box 818, Alexandria, Virginia 22313 703/557-2490

Sample Number
AB 0289 MS

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 3/5/95
Date Analyzed: 3/25/95
Conc/Dil Factor: 500mls → 1.0ml

CAS Number		ug/l or ug/Kg (Circle One)
[illegible]0	N-Nitrosodimethylamine	10u
[illegible]2	Phenol	
[illegible]	Aniline	10u
[illegible]4	bis(-2-Chloroethyl)Ether	10u
[illegible]8	2-Chlorophenol	
[illegible]1	1, 3-Dichlorobenzene	10u
[illegible]7	1, 4-Dichlorobenzene	
[illegible]6	Benzyl Alcohol	10u
[illegible]	1, 2-Dichlorobenzene	10u
[illegible]	2-Methylphenol	10u
[illegible]32-9	bis(2-chloroisopropyl)Ether	10u
[illegible]5	4-Methylphenol	10u
[illegible]7	N-Nitroso-Di-n-Propylamine	
[illegible]	Hexachloroethane	10u
[illegible]	Nitrobenzene	10u
[illegible]	Isophorone	10u
[illegible]	2-Nitrophenol	10u
[illegible]9	2, 4-Dimethylphenol	10u
[illegible]	Benzoic Acid	50u
[illegible]1	bis(-2-Chloroethoxy)Methane	10u
[illegible]2	2, 4-Dichlorophenol	10u
[illegible]1	1, 2, 4-Trichlorobenzene	
[illegible]	Naphthalene	10u
[illegible]8	4-Chloroaniline	10u
[illegible]	Hexachlorobutadiene	10u
[illegible]	4-Chloro-3-Methylphenol	
[illegible]	2-Methylnaphthalene	10u
[illegible]	Hexachlorocyclopentadiene	10u
[illegible]	2, 4, 6-Trichlorophenol	10u
[illegible]	2, 4, 5-Trichlorophenol	50u
[illegible]	2-Chloronaphthalene	10u
[illegible]	2-Nitroaniline	50u
[illegible]3	Dimethyl Phthalate	10u
[illegible]8	Acenaphthylene	10u
[illegible]	3-Nitroaniline	50u

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	
51-28-5	2, 4-Dinitrophenol	50u
100-02-7	4-Nitrophenol	
132-64-9	Dibenzofuran	10u
121-14-2	2, 4-Dinitrotoluene	
606-20-2	2, 6-Dinitrotoluene	10u
84-66-2	Diethylphthalate	10u
7005-72-3	4-Chlorophenyl-phenylether	10u
86-73-7	Fluorene	10u
100-01-6	4-Nitroaniline	50u
534-52-1	4, 6-Dinitro-2-Methylphenol	50u
86-30-6	N-Nitrosodiphenylamine (1)	10u
101-55-3	4-Bromophenyl-phenylether	10u
118-74-1	Hexachlorobenzene	10u
87-86-5	Pentachlorophenol	
85-01-8	Phenanthrene	10u
120-12-7	Anthracene	10u
84-74-2	Di-n-Butylphthalate	
206-44-0	Fluoranthene	10u
92-87-5	Benzidine	50u
129-00-0	Pyrene	
85-68-7	Butylbenzylphthalate	10u
91-94-1	3, 3'-Dichlorobenzidine	20u
56-55-3	Benzo(a)Anthracene	10u
117-81-7	bis(2-Ethylhexyl)Phthalate	10u
218-01-9	Chrysene	10u
117-84-0	Di-n-Octyl Phthalate	10u
205-99-2	Benzo(b)Fluoranthene	10u
207-08-9	Benzo(k)Fluoranthene	10u
50-32-8	Benzo(a)Pyrene	10u
193-39-5	Indeno(1, 2, 3-cd)Pyrene	10u
53-70-3	Dibenz(a, h)Anthracene	10u
191-24-2	Benzo(g, h, i)Perylene	10u

(1) Cannot be separated from diphenylamine

Environmental Protection Agency. CLP Sample Management Office,
P. O. Box 818, Alexandria, Virginia 22313 703 557-2490

Sample Number
AB030MS

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3-1-85

Date Analyzed: 4/2/85

Conc/Dil Factor: 1

CAS Number		ug/L or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.05 U
319-85-7	Beta-BHC	0.05 U
319-86-8	Delta-BHC	0.05 U
58-89-9	Gamma-BHC (Lindane)	0.05 U
76-44-8	Heptachlor	0.05 U
309-00-2	Aldrin	0.05 U
1024-57-3	Heptachlor Epoxide	0.05 U
959-98-8	Endosulfan I	0.05 U
60-57-1	Dieldrin	0.10 U
72-55-9	4,4'-DDE	0.10 U
72-20-8	Endrin	0.10 U
33213-65-9	Endosulfan II	0.10 U
72-54-8	4,4'-DDD	0.10 U
7421-93-4	Endrin Aldehyde	0.10 U
1031-07-8	Endosulfan Sulfate	0.10 U ←
50-29-3	4,4'-DDT	0.10 U
72-43-5	Methoxychlor	0.50 U
53494-70-5	Endrin Ketone	0.10 U
57-74-9	Chlordane	0.50 U
8001-35-2	Toxaphene	1.0 U
12674-11-2	Aroclor-1016	0.50 U
11104-28-2	Aroclor-1221	0.50 U
11141-16-5	Aroclor-1232	0.50 U
53469-21-9	Aroclor-1242	0.50 U
12672-29-6	Aroclor-1248	0.50 U
11097-69-1	Aroclor-1254	1.0 U
11096-82-5	Aroclor-1260	1.0 U

CLP Lab 4/3/85

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

500 ml BL

V_s ~~1000 ml~~ or W_s _____ V_t 10,000 ul V_i 5.0 ul

AB 028 AS

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.		unknown	VOA	824	31
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Organics Analysis Data Sheet
(Page 4)

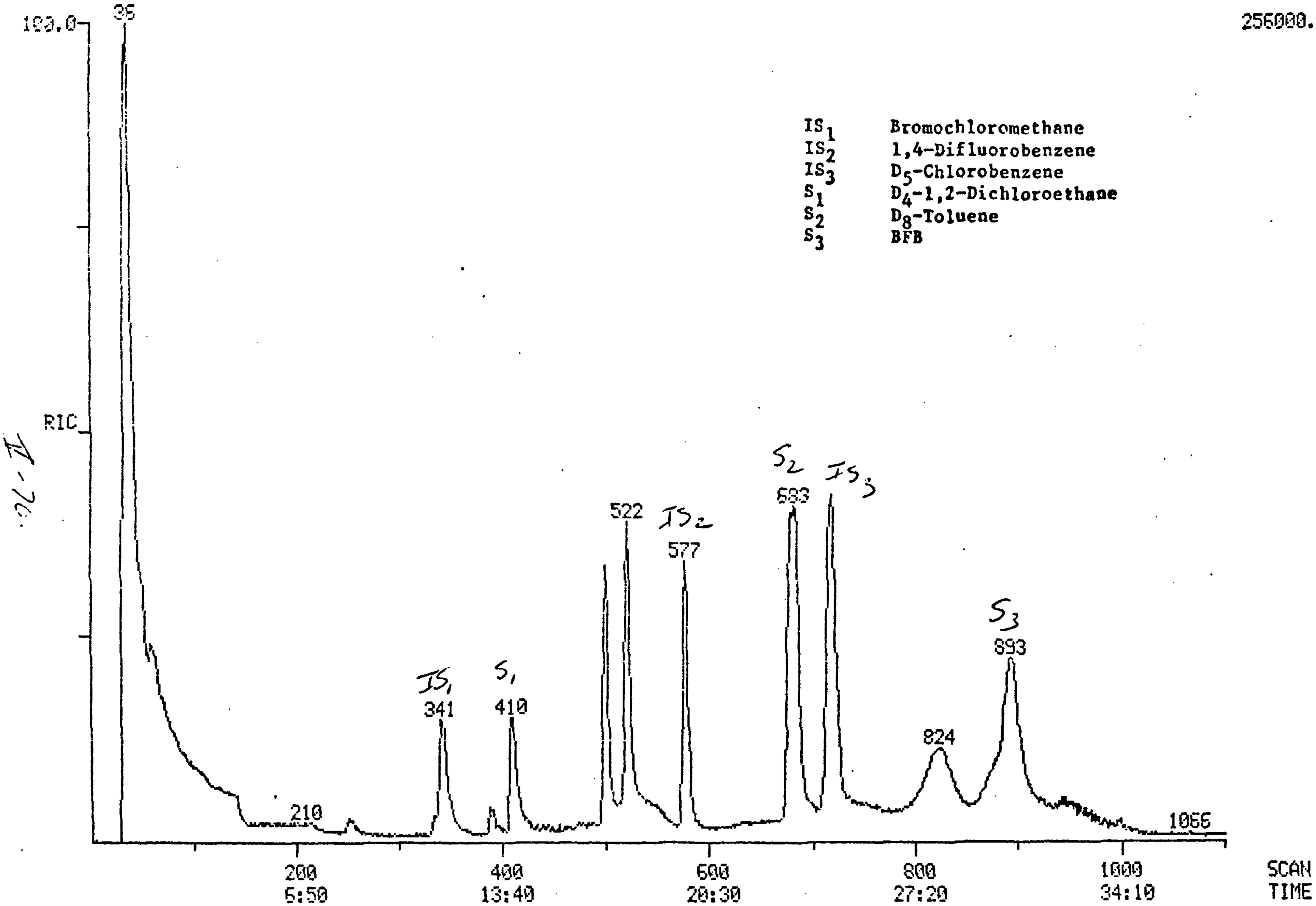
Tentatively Identified Compounds

Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
No compounds found	B/N/A		

RIC
03/05/85 14:00:00
SAMPLE: 43232 MS CASE 3969 AB-028 MS

DATA: V2741

SCANS 1 TO 1100

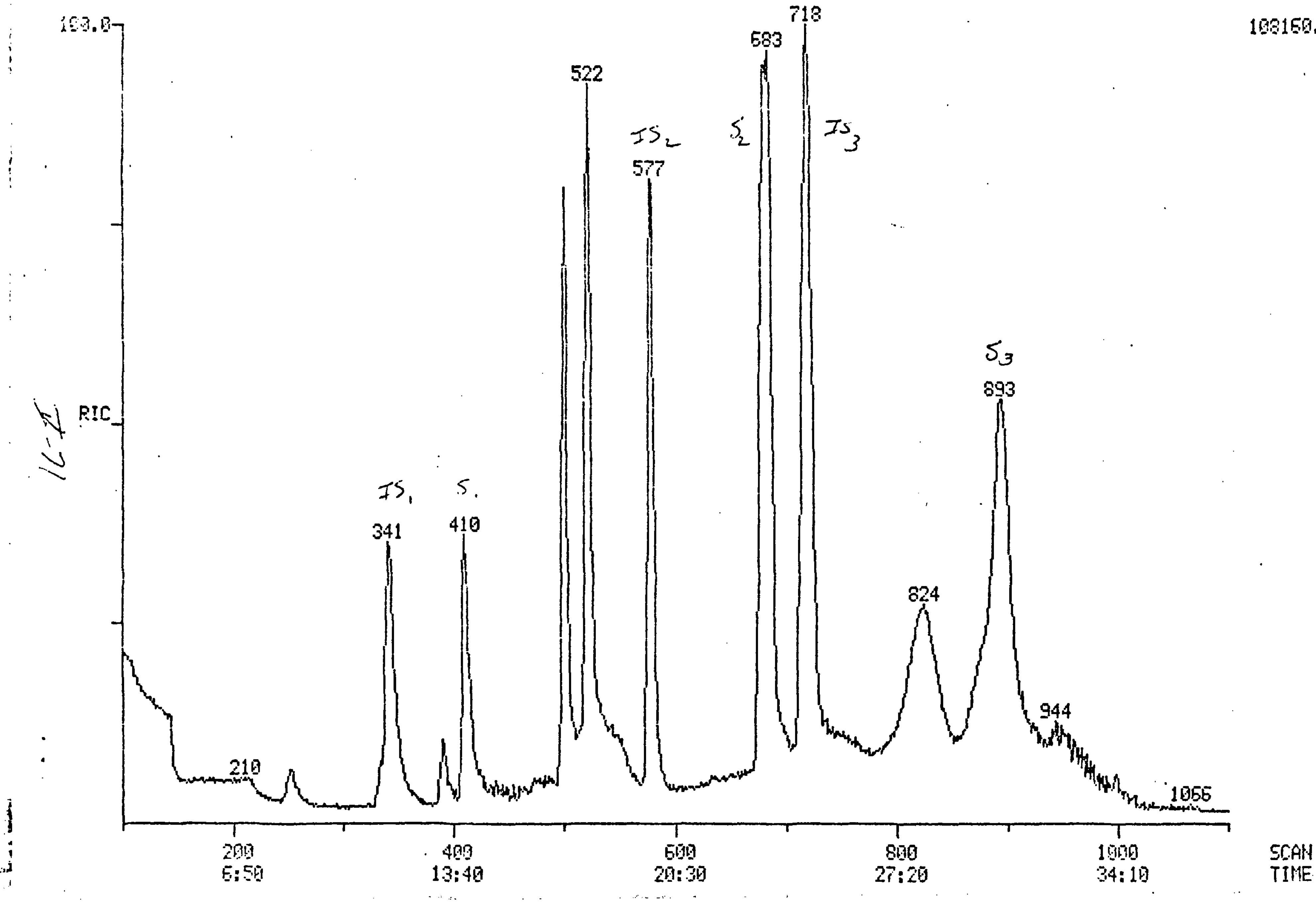


II-76.

RIC
03/05/85 14:00:00
SAMPLE: 43232 MS CASE 3959 AB-028 MS

DATA: V2741

SCANS 100 TO 1100



QUANTITATION REPORT FILE: M2

DATA: V2741.TI
03/05/85 14:00:00
SAMPLE: 43232 MS CASE 3969 AB-028 MS
SUBMITTED BY: ANALYST:

AMOUNT=AREA(HGHT) * REF. AMNT/(REF. AREA(HGHT)* RESP. FACT)
RESP. FAC. FROM LIBRARY ENTRY

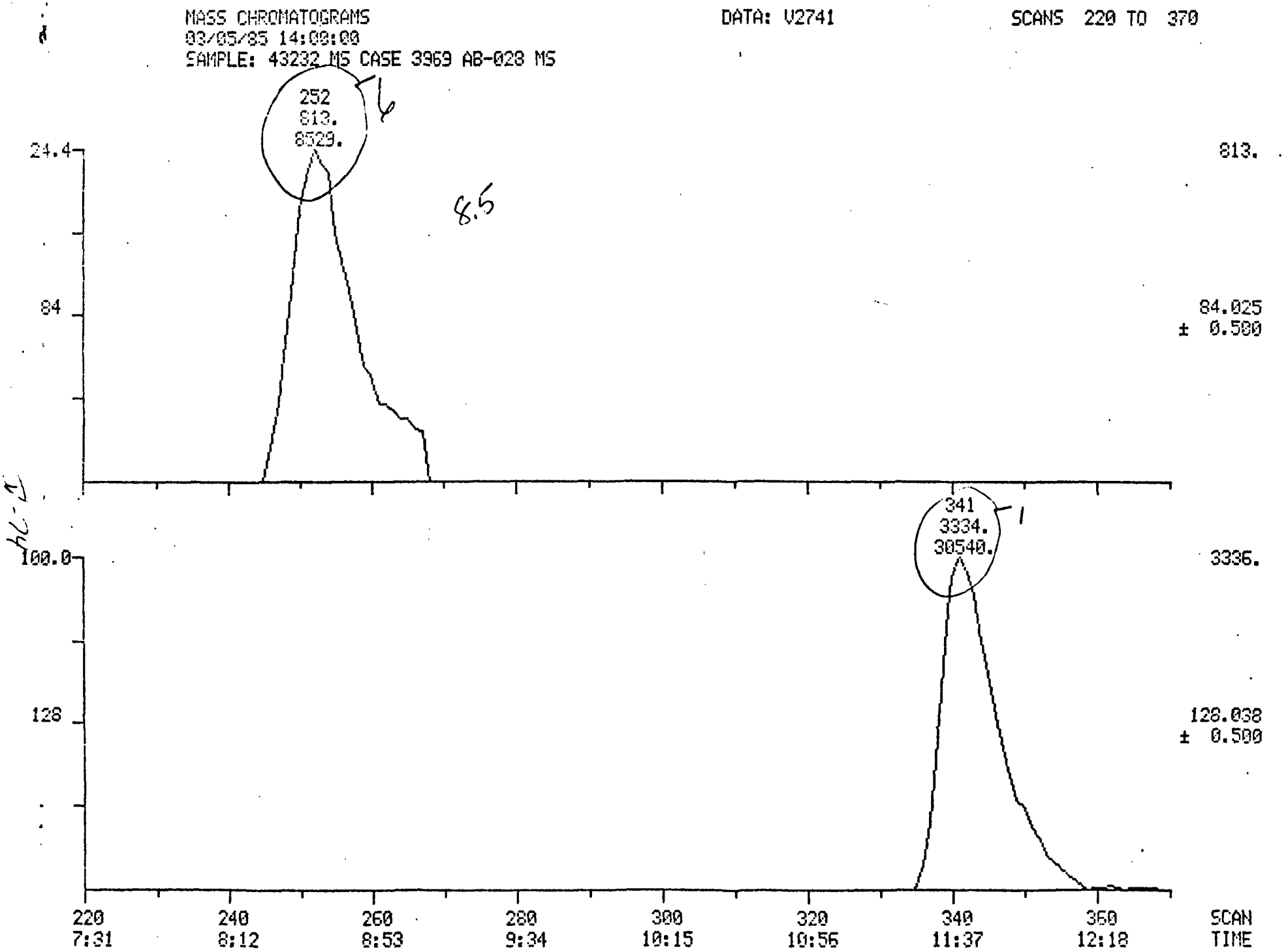
NO	NAME
1	BROMOCHLOROMETHANE(I.S. #1)
2	CHLOROMETHANE
3	BROMOMETHANE
4	VINYL CHLORIDE
5	CHLOROETHANE
6	METHYLENE CHLORIDE
7	ACETONE
8	CARBON DISULFIDE
9	1,1-DICHLOROETHENE
10	1,1-DICHLOROETHANE
11	TRANS 1,2-DICHLOROETHENE
12	CHLOROFORM
13	1,2-DICHLOROETHANE
14	D4-1,2-DICHLOROETHANE
15	1,1,1-TRICHLOROETHANE
16	1,4-DIFLUOROBENZENE(I.S. #2)
17	CARBON TETRACHLORIDE
18	VINYL ACETATE
19	2-BUTANONE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	TRANS 1,3-DICHLOROPROPANE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	CIS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	D8-TOLUENE(SURR#2)
30	2-CHLOROETHYLVINYLETHER
31	D5-CHLOROBENZENE(I.S. #3)
32	4 METHYL 2 PENTANONE
33	2-HEXANONE
34	TETRACHLOROETHENE
35	1,1,2,2,TETRACHLOROETHANE
36	TOLUENE
37	CHLOROBENZENE
38	BFB(SURR#3)
39	ETHYLBENZENE
40	STYRENE
41	TOTAL XYLENES

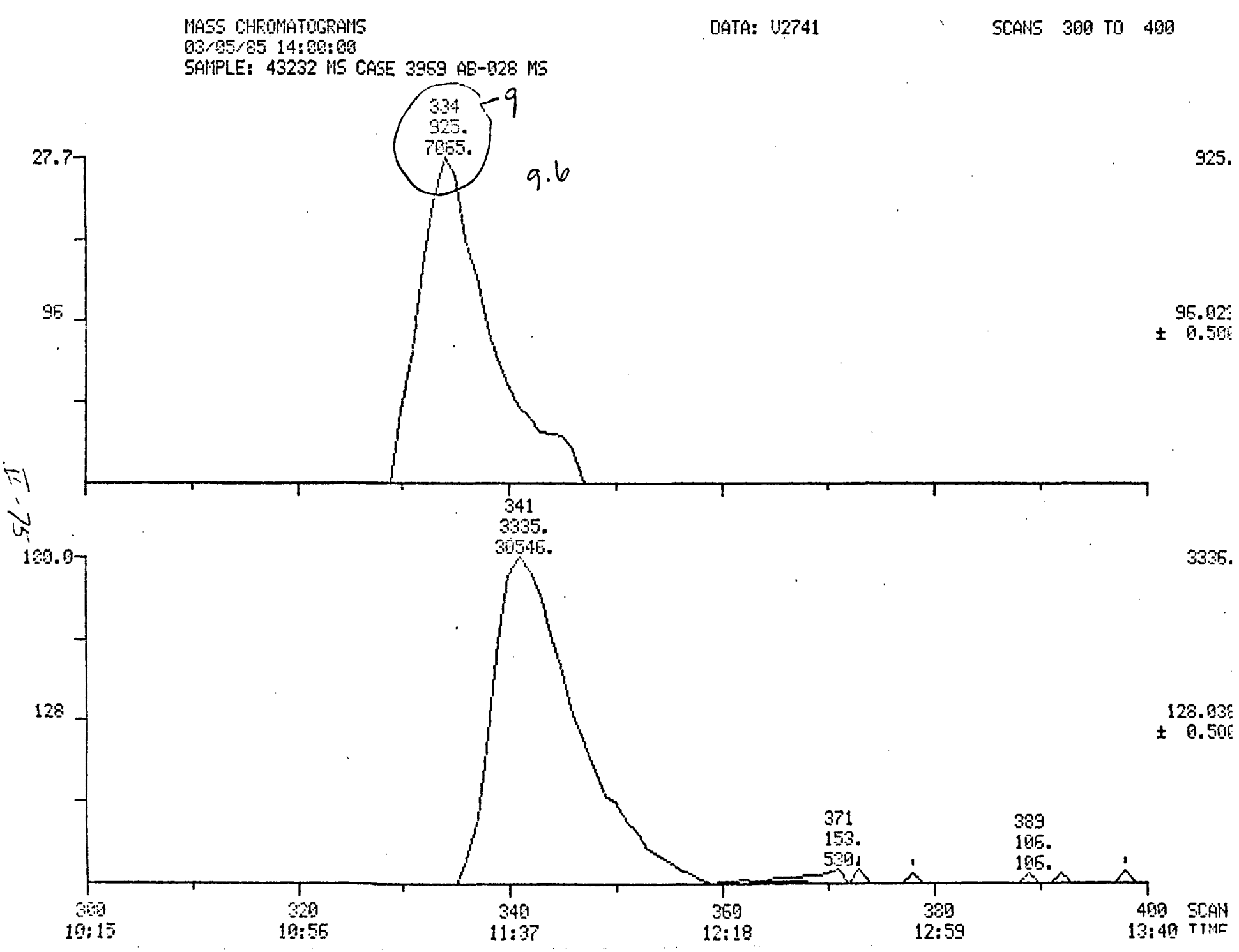
NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	341	11:39	1	1.000	A BB	30310.	50.000 UG/L	7.71
2	NOT FOUND								
3	NOT FOUND								

	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
NOT									
FOUND									
NOT									
FOUND									
NOT									
FOUND									
NOT									
FOUND									
NOT									
FOUND									
NOT									
FOUND									
83	390	13:19	1	1.144	A BB	21691.	6.772	UG/L	1.04
65	FOUND								
NOT	411	14:03	1	1.205	A BB	105209.	95.739	%REC	14.76
FOUND									
114	577	19:43	16	1.000	A BB	151476.	50.000	UG/L	7.71
NOT	FOUND								
NOT	FOUND								
NOT	FOUND								
NOT	FOUND								
NOT	FOUND								
136	FOUND								
NOT	500	17:05	16	0.867	A BV	61214.	52.429	UG/L	8.08
NOT	FOUND								
78	FOUND								
NOT	522	17:50	16	0.905	A BB	189007.	45.634	UG/L	7.04
NOT	FOUND								
98	FOUND								
NOT	679	23:12	16	1.177	A BB	176993.	96.100	%REC	14.82
117	FOUND								
NOT	716	24:28	31	1.000	A BB	110130.	50.000	UG/L	7.71
58	FOUND								
164	678	23:10	31	0.947	A BB	2723.	6.081	UG/L	0.94
83	634	21:40	31	0.885	A BB	126.	0.127	UG/L	0.02
92	639	21:50	31	0.892	A BB	122.	0.115	UG/L	0.02
112	684	23:22	31	0.955	A BB	120980.	48.197	UG/L	7.43
95	720	24:36	31	1.006	A BB	126354.	50.555	UG/L	7.79
106	854	30:33	31	1.249	A BB	93725.	95.280	%REC	14.69
NOT	809	27:38	31	1.130	A BV	2023.	1.588	UG/L	0.24
NOT	FOUND								
FOUND									

AB 028 MS Case 3969 3/5/85

V-73

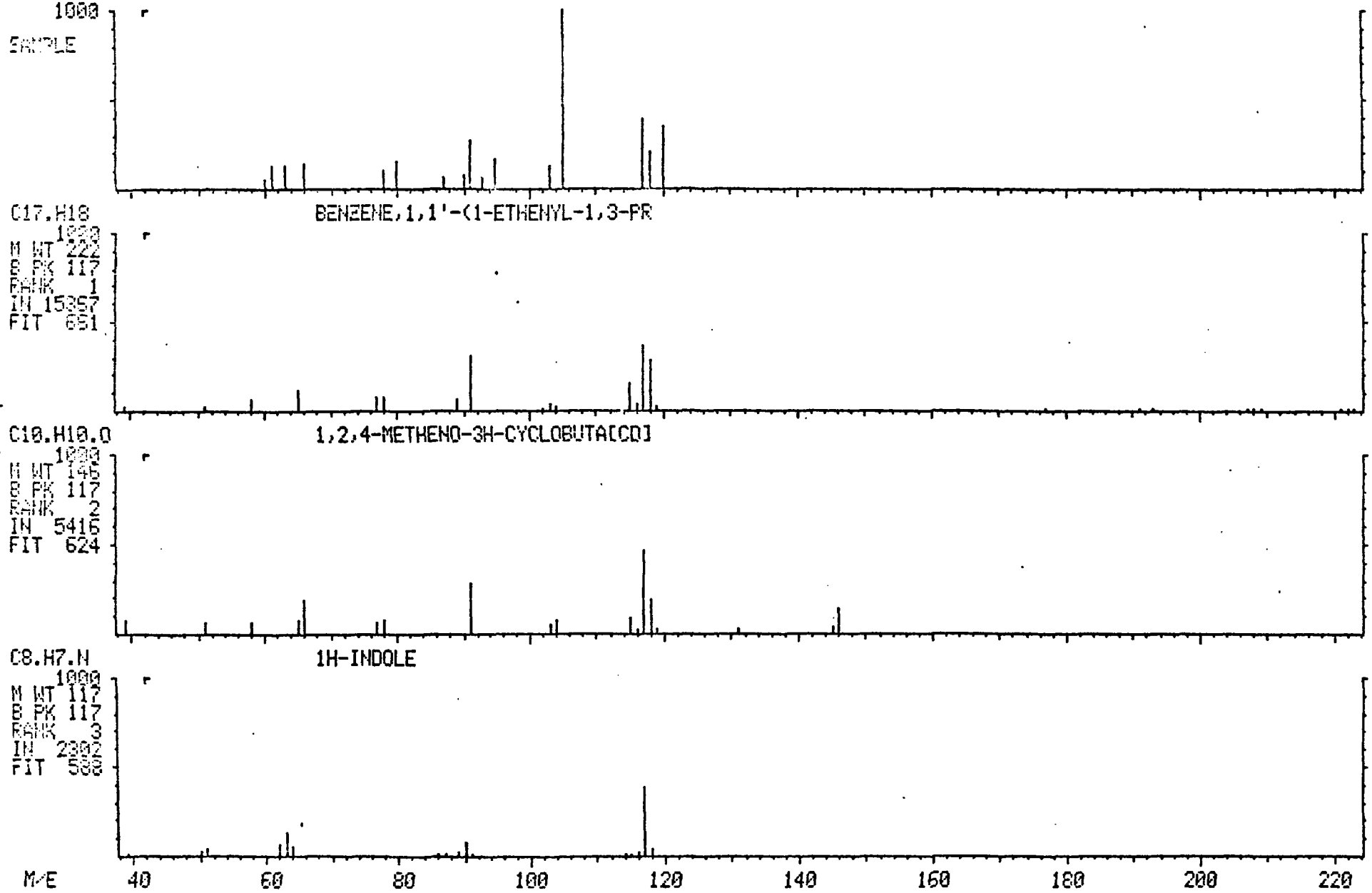

MASS CHROMATOGRAMS
03/05/85 14:08:00
SAMPLE: 43232 MS CASE 3969 AB-028 MS
DATA: V2741
SCANS 220 TO 370
252
813.
8529.
24.4
813.
84
84.025
± 0.500
341
3334.
30540.
100.0
3336.
128
128.038
± 0.500
220
7:31
240
8:12
260
8:53
280
9:34
300
10:15
320
10:56
340
11:37
360
12:18
SCAN
TIME

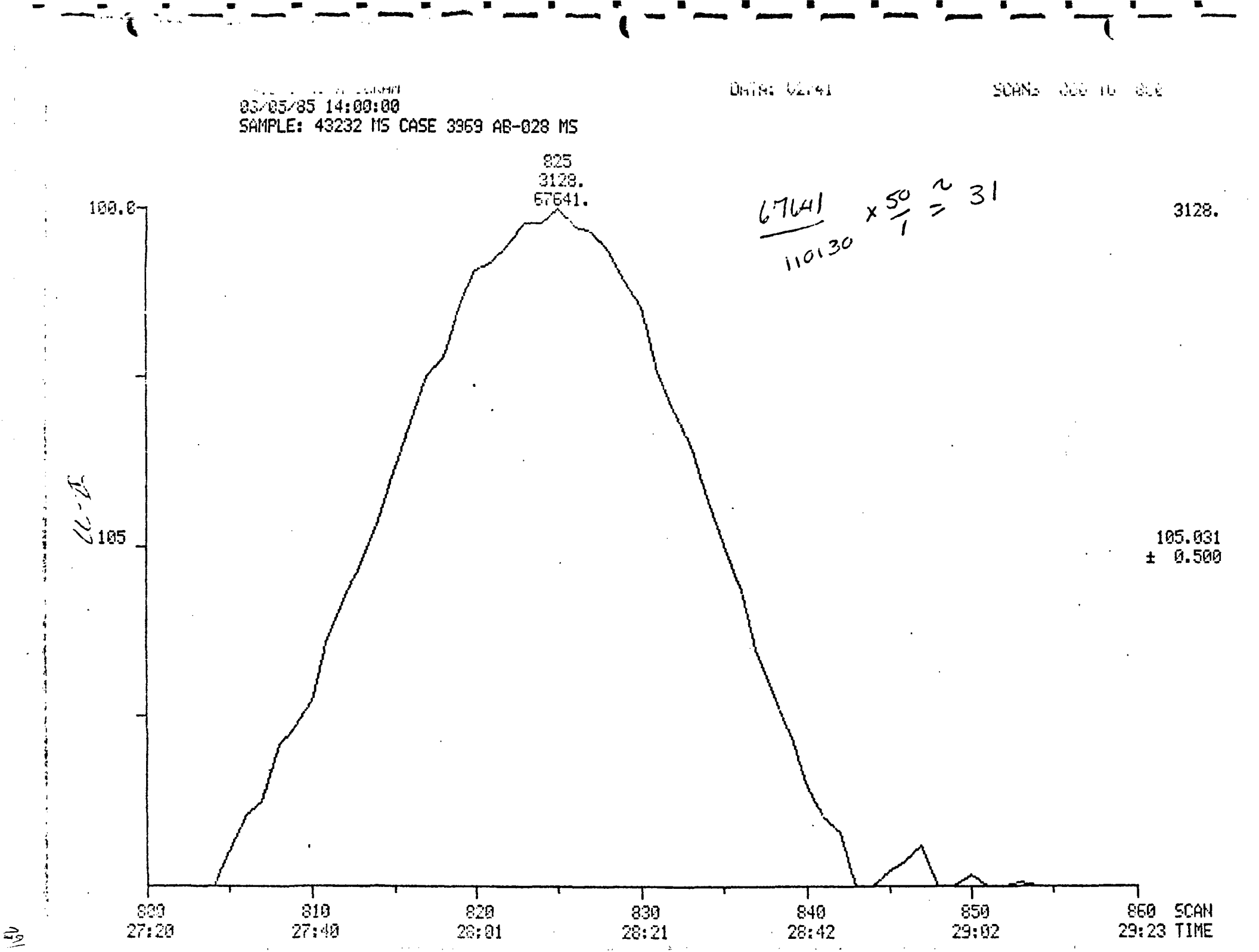

MASS CHROMATOGRAMS
03/05/85 14:00:00
SAMPLE: 43232 MS CASE 3959 AB-028 MS
DATA: V2741
SCANS 300 TO 400
334
925.
7065.
9
9.6
27.7
96
925.
96.023
± 0.500
SL-II
341
3335.
30546.
100.0
128
3336.
128.038
± 0.500
371
153.
530
389
106.
106.
300
10:15
320
10:56
340
11:37
360
12:18
380
12:59
400
13:40
SCAN
TIME

LIBRARY SEARCH
03/05/85 14:08:00 + 28:09
SAMPLE: 43232 MS CASE 3959 AB-028 MS
ENHANCED (S 15B 2N 0T)

DATA: V2741 # 824

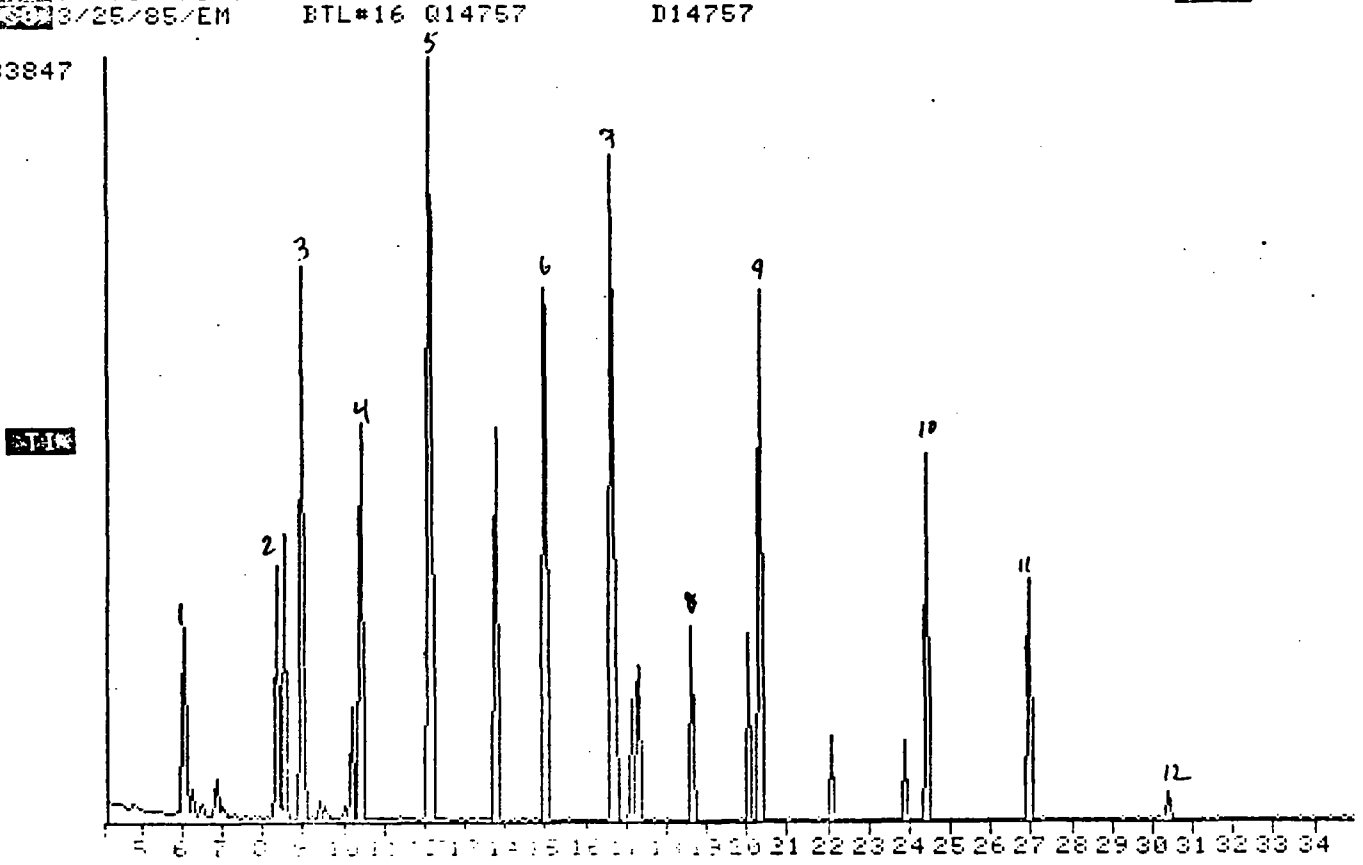
BASE M/E: 105
RIC: 2375.





67641 / 110130 × 50/1 ≈ 31

3/25/85/EM BTL#16 Q14757 D14757



1. 2-FLUOROPHENOL(SURR)
2. PHENOL-D6(SURR)
3. 1,4-DICHLOROBENZENE-D4(IS)
4. NITROBENZENE-D5(SURR)
5. NAPHTHALENE-D8(IS)
6. 2-FLUOROBIPHENYL (SURR)
7. ACENAPHTHENE-D10(IS)
8. 2,4,6-TRIBROMOPHENOL(SURR)
9. PHENANTHRENE-D10(IS)
10. TERPHENYL-D14(SURR)
11. CHRYSENE-D12(IS)
12. PERYLENE-D12(IS)

FILE NUMBER 14757

QC-957 AB028MS CASE 3969

3/25/85/EM BTL#16 Q14757 D14757

AREA	R. TIME	START	STOP	MAXIMA	# SUMS	MASS	BASE
9.0	150.0	1.000	80.0000				D4-1,4-DICHLOROBENZENE(20)
9.9	74.0	.046	.0000				N-NITROSODIMETHYLAMINE
8.4	93.0	.913	.0000				ANILINE
8.5	93.0	.709	~~1.8523~~ EM				BIS(2-CHLOROETHYL)ETHER
8.9	146.0	.591	.0000				1,3-DICHLOROBENZENE
9.0	146.0	.594	46.9800 ✓				1,4-DICHLOROBENZENE
9.5	108.0	.395	.0000				BENZYL ALCOHOL
9.5	146.0	.594	.0000				1,2-DICHLOROBENZENE
9.9	45.0	.527	.0000				BIS(2-CHLOROISOPROPYL)ETHER
10.2	70.0	.490	55.3977 ✓				N-NITROSODINPROPYLAMINE
10.2	117.0	.291	.0000				HEXACHLOROETHANE
10.4	77.0	.716	.5272				NITROBENZENE

MORE ?

12.1	68.0	1.000	80.0000				D8-NAPHTHALENE(20)
11.1	138.0	1.519	.0000				ISOPHORONE
11.8	95.0	1.813	.0000				BIS(2-CHLOROETHOXY)METHANE
12.1	180.0	2.642	42.4707 ✓				1,2,4-TRICHLOROBENZENE
12.2	129.0	1.325	.0000				NAPHTHALENE
12.5	127.0	4.577	.0000				4-CHLOROANILINE
12.7	225.0	1.190	.0000				HEXACHLOROBUTADIENE
14.0	115.0	2.578	.0000				2-METHYLNAPHTHALENE

16.7	164.0	1.000	80.0000				D10-ACENAPHTHENE
14.6	237.0	.205	.0000				HEXACHLOROCYCLOPENTADIENE
15.2	164.0	.281	.0000				2-CHLORONAPTHALENE
15.6	138.0	.397	.0000				2-NITROANILINE
16.2	164.0	.083	.0000				DIMETHYL PHTHALATE
16.3	151.0	.272	.0000				ACENAPHTHYLENE
16.4	165.0	.228	.0000				2,6-DINITROTOLUENE
16.7	138.0	.293	.0000				3-NITROANILINE
16.7	152.0	.437	48.0670 ✓				ACENAPHTHENE
17.2	139.0	.490	~~22.8977~~ EM				DIBENZOFURAN
17.3	165.0	.320	44.3927 ✓				2,4-DINITROTOLUENE
18.0	177.0	.171	.0000				DIETHYL PHTHALATE
18.0	165.0	.820	.0000				FLUORENE
18.1	204.0	.358	.0000				4-CHLOROPHENYLPHENYL ETHER
18.2	138.0	.292	.0000				4-NITROANILINE
17.2	169.0	.144	.0000				DIPHENYLAMINE

20.3	188.0	1.000	80.0000	D10-PHENANTHRENE(20)
19.3	248.0	.112	.0000	4-BROMOPHENYLPHENYL ETHER
19.6	284.0	.112	.0000	HEXACHLOROBENZENE
20.4	179.0	.060	.0000	PHENANTHRENE/ANTHRACENE
22.1	150.0	.100	14.1619✓	DIBUTYL PHTHALATE
23.4	202.0	.665	.0000	FLUORANTHENE

FILE NUMBER 14757

QC-957 AB028MS CASE 3969

3/25/85/EM BTL#16 Q14757 D14757

AREA	R. TIME	START	STOP	MAXIMA	# SUMS	MASS	BASE
27.0	240.0	1.000	80.0000	D12-CHRYSENE			
23.9	202.0	2.264	14.8597✓	PYRENE			
25.8	149.0	1.136	.0000	BUTYL BENZYL PHTHALATE			
26.9	228.0	.427	.0000	BENZO(A)ANTHRACENE/CHRYSENE			
27.3	149.0	1.128	.0000	BIS(2-ETHYLHEXYL)PHTHALATE			

30.4	264.0	1.000	80.0000	D12-PERYLENE
28.7	149.0	5.974	.0000	DIOCTYL PHTHALATE
29.5	252.0	1.307	.0000	BENZO(B)/(K)FLUORANTHENE
30.2	252.0	.744	.0000	BENZO(A)PYRENE
33.7	276.0	.485	.0000	INDENO(123-CD)PYRENE
33.8	278.0	.346	.0000	DIBENZO(AH)ANTHRACENE
34.6	276.0	.360	.0000	BENZO(GHI)PERYLENE

27.0	240.0	1.000	80.0000	D12-CHRYSENE
23.8	184.0	.712	.0000	BENZIDINE
27.0	252.0	.146	.0000	DICHLOROBENZIDINE

QC-957 AB028MS CASE 3969
3/25/85/EM BTL#16 Q14757 D14757

AREA	R. TIME	START	STOP	MAXIMA	# SUMS	MASS	BASE
9.0	150.0	1.000	80.0000	✓	D4-1,4-DICHLOROBENZENE(20)		
8.4	94.0	.841	56.7688	✓	PHENOL		
8.5	128.0	.611	87.9009	✓	2-CHLOROPHENOL		
9.9	108.0	.671	.0000		2-METHYLPHENOL		
10.2	108.0	.699	.0000		4-METHYLPHENOL		
12.1	68.0	1.000	80.0000		D8-NAPHTHALENE(20)		
11.3	139.0	1.759	.0000		2-NITROPHENOL		
11.5	122.0	2.581	.0000		2,4-DIMETHYLPHENOL		
12.1	122.0	1.200	.0000		BENZOIC ACID		
11.9	162.0	2.051	.0000		2,4-DICHLOROPHENOL		
13.8	142.0	2.196	86.9397	✓	4-CHLORO-M-CRESOL		
16.7	164.0	1.000	80.0000		D10-ACENAPHTHENE(20)		
14.8	196.0	.237	.0000		2,4,5-TRICHLOROPHENOL		
14.8	196.0	.237	.0000		2,4,6-TRICHLOROPHENOL		
17.0	184.0	.111	.0000		2,4-DINITROPHENOL		
18.3	198.0	.126	.0000		4,6-DINITRO-O-CRESOL		
17.2	65.0	.231	49.1382	✓	4-NITROPHENOL		
20.3	188.0	1.000	80.0000		D10-PHENANTHRENE		
20.1	266.0	.072	81.2828	✓	PENTACHLOROPHENOL		

Date 4/1/85 Analyst BL Contract 3-705-050

Pesticide Analysis - Qualitative/Quantitative

Case # 3969

Sample I.D. QC-967/AB030 MS HP 5880
Run # 15 Bottle # 15

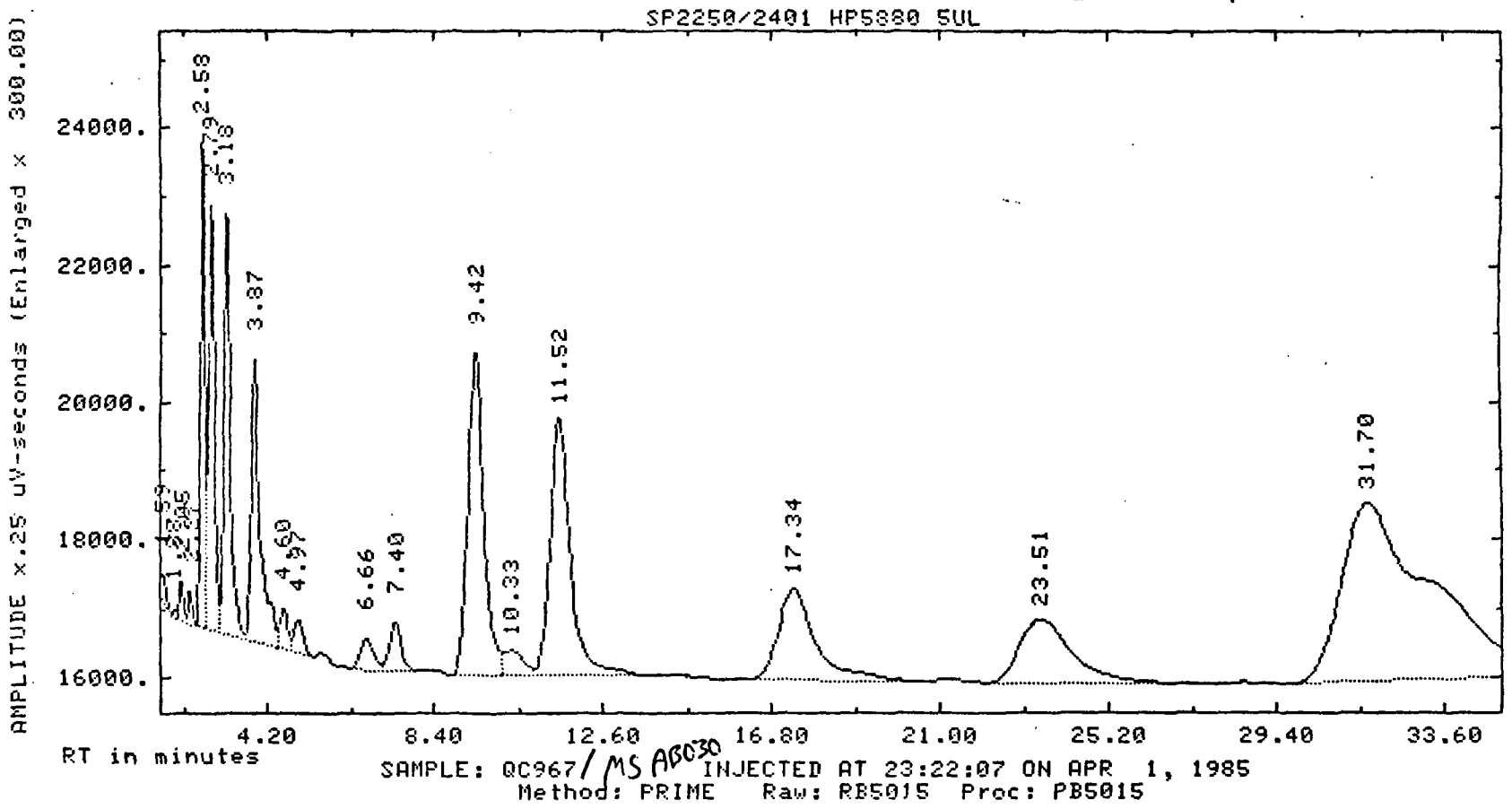
RT (min.)	Peak ID	Area x 10^3	ng/ml	Dilution Factor (mls extracted)	Spiked at ng	% (ug/l) ppb Recovery	total ug
2.58	γ-BHC	26.50	* 12.8 x 10	= 128	200	64.0	
3.18	Heptachlor	34.07	13.0 x 10	= 130	200	65.0	
3.87	Aldrin	31.68	15.5 x 10	= 155	200	77.5	
9.42	Dieldrin	64.09	39.0 x 10	= 390	500	78.0	
11.52	Endrin	63.80	54.0 x 10	= 540	500	107	
17.34	pp'-DDT	41.83	* 55.2 x 10	= 552	500	110	
31.70	DBC	203.5	o 154 x 10	= 1540	1000	154	

* Calculated from lowest four calibration points
* Calculated from highest four calibration points
o There is a shoulder on the DBC peak at 31.70 min which gave the high area count and corresponding high recovery.

GCA GCA CORPORATION Technology Division

IV-2

Case 3969



83-11

*LI,P,PB5015

PROCESSED DATA FILE: PB5015 ON CRN 21

Case 3969

APR 2, 1985 9:13:47

REPORT: 150 CHANNEL: 2 # PEAKS: -21 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.09	0.00	1.00000	3475	BV	.607	
2	1.33	0.00	1.00000	668	VV	.117	
3	1.40	0.00	1.00000	965	VV	.169	
4	1.59	0.00	1.00000	1789	VV	.312	
5	1.87	0.00	1.00000	282	VV	.049	
6	2.05	0.00	1.00000	2076	VV	.362	
7	2.27	0.00	1.00000	1572	VV	.274	
8	2.58	0.00	1.00000	26504	VV	4.628	α-BHC
9	2.79	0.00	1.00000	30069	VV	5.251	
10	3.18	0.00	1.00000	34060	VV	5.949	Heptachlor
11	3.87	0.00	1.00000	31676	VV	5.532	Aldrin
12	4.60	0.00	1.00000	3826	VV	.668	
13	4.97	0.00	1.00000	3744	VB	.654	
14	6.66	0.00	1.00000	5282	BV	.919	
15	7.46	0.00	1.00000	7124	VB	1.244	
16	9.42	0.00	1.00000	64090	BV	11.192	Dieldrin
17	10.33	0.00	1.00000	5435	VV	.949	
18	11.52	0.00	1.00000	63901	VB	11.162	Endrin
19	17.34	0.00	1.00000	41828	BB	7.305	pp'-DDT
20	23.51	0.00	1.00000	40901	BB	7.136	
21	31.70	0.00	1.00000	203504	BF	35.539	Dibutylchlorendate

TOTAL AREA = 572628 TOTAL AREA % = 100.000

SAMPLE: QC557 / MS AB639 INJECTED AT 23:22:07 ON APR 1, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 15 DTL: 15

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

ACTUAL RUN TIME: 40.017 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

ENDED NOT ON BASELINE

RAW DATA FILE: RB5015 PARAM FILES= METHOD: SEQ:

NONE

METHOD:

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Organics Analysis Data Sheet
(Page 1)

Laboratory Name: GCA
Case No: 3969
Lab Sample ID No: 43232
OC Report No: 3969
Sample Matrix: water
Contract No: 68-01-6767
Data Release Authorized By:
Date Sample Received: 3/1/85

Volatile Compounds

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: 3/5/85
Date Analyzed: 3/5/85
Conc/Dil Factor: 1 pH: NA
Percent Moisture: NA
Percent Moisture (Decanted): NA

CAS Number		ug/L or ug/Kg (Circle One)
74-87-3	Chloromethane	
74-83-9	Bromomethane	
75-01-4	Vinyl Chloride	
75-00-3	Chloroethane	
75-09-2	Methylene Chloride	
67-64-1	Acetone	
75-15-0	Carbon Disulfide	
75-35-4	1,1-Dichloroethene	
75-34-3	1,1-Dichloroethane	
156-60-5	Trans 1,2-Dichloroethene	
67-66-3	Chloroform	7.1
107-06-2	1,2-Dichloroethane	
78-93-3	2-Butanone	
71-55-6	1,1,1-Trichloroethane	
56-23-5	Carbon Tetrachloride	
108-05-4	Vinyl Acetate	
75-27-4	Bromodichloromethane	

CAS Number		ug/L or ug/Kg (Circle One)
79-34-5	1,1,2,2-Tetrachloroethane	
78-87-5	1,2-Dichloropropane	
10061-02-6	Trans 1,3-Dichloropropene	
79-01-6	Trichloroethene	
124-48-1	Dibromochloromethane	
79-00-5	1,1,2-Trichloroethane	
71-43-2	Benzene	
10061-01-5	cis 1,3-Dichloropropene	
110-75-8	2-Chloroethylvinylether	
75-25-2	Bromoform	
591-78-6	2-Hexanone	
108-10-1	4-Methyl-2-Pentanone	
127-18-4	Tetrachloroethene	
108-88-3	Toluene	
108-90-7	Chlorobenzene	
100-41-4	Ethylbenzene	
100-42-5	Styrene	
	Total Xylenes	

D-85

Environmental Protection Agency. CLP Sample Management Office,
P O Box 818, Alexandria, Virginia 22313 703/557-2490

Sample Number
AB028 MSD

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/5/85

Date Analyzed: 3/25/85

Conc/Dil Factor: 500mL → 10mL

CAS Number		ug/l or ug/Kg (Circle One)
62-75-9	N-Nitrosodimethylamine	
108-95-2	Phenol	
62-53-3	Aniline	
111-44-4	bis(2-Chloroethyl)Ether	
95-57-8	2-Chlorophenol	
541-73-1	1,3-Dichlorobenzene	
106-46-7	1,4-Dichlorobenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1,2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methylphenol	
621-64-7	N-Nitroso-Di-n-Propylamine	
67-72-1	Hexachloroethane	
98-95-3	Nitrobenzene	
78-59-1	Isophorone	
88-75-5	2-Nitrophenol	
105-67-9	2,4-Dimethylphenol	
65-85-0	Benzoic Acid	
111-91-1	bis(2-Chloroethoxy)Methane	
120-83-2	2,4-Dichlorophenol	
120-82-1	1,2,4-Trichlorobenzene	
91-20-3	Naphthalene	
106-47-8	4-Chloroaniline	
87-68-3	Hexachlorobutadiene	
59-50-7	4-Chloro-3-Methylphenol	
91-57-6	2-Methylnaphthalene	
77-47-4	Hexachlorocyclopentadiene	
88-06-2	2,4,6-Trichlorophenol	
95-95-4	2,4,5-Trichlorophenol	
91-58-7	2-Chloronaphthalene	
88-74-4	2-Nitroaniline	
131-11-3	Dimethyl Phthalate	
208-96-8	Acenaphthylene	
99-09-2	3-Nitroaniline	

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	
51-28-5	2,4-Dinitrophenol	
100-02-7	4-Nitrophenol	
132-64-9	Dibenzofuran	
121-14-2	2,4-Dinitrotoluene	
606-20-2	2,6-Dinitrotoluene	
84-66-2	Diethylphthalate	
7005-72-3	4-Chlorophenyl-phenylether	
86-73-7	Fluorene	
100-01-6	4-Nitroaniline	
534-52-1	4,6-Dinitro-2-Methylphenol	
86-30-6	N-Nitrosodiphenylamine (1)	
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachlorobenzene	
87-86-5	Pentachlorophenol	
85-01-8	Phenanthrene	
120-12-7	Anthracene	
84-74-2	Di-n-Butylphthalate	
206-44-0	Fluoranthene	
92-87-5	Benzidine	
129-00-0	Pyrene	
85-68-7	Butylbenzylphthalate	
91-94-1	3,3'-Dichlorobenzidine	
56-55-3	Benzo(a)Anthracene	
117-81-7	bis(2-Ethylhexyl)Phthalate	
218-01-9	Chrysene	
117-84-0	Di-n-Octyl Phthalate	
205-99-2	Benzo(b)Fluoranthene	
207-08-9	Benzo(k)Fluoranthene	
50-32-8	Benzo(a)Pyrene	
193-39-5	Indeno(1,2,3-cd)Pyrene	
53-70-3	Dibenz(a,h)Anthracene	
191-24-2	Benzo(g,h,i)Perylene	

(1) Cannot be separated from diphenylamine

IV-86

Protection Agency, CLP Sample Management Office,
Alexandria, Virginia 22313 703/557-2490

Sample Number
AB030 MSD

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3-1-85

Date Analyzed: 4/2/85

Conc./Dil Factor: 1

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.05 U
319-85-7	Beta-BHC	0.05 U
319-86-8	Delta-BHC	0.05 U
58-89-9	Gamma-BHC (Lindane)	0.27
76-44-8	Heptachlor	0.27
309-00-2	Aldrin	0.27
1024-57-3	Heptachlor Epoxide	0.05 U
959-98-8	Endosulfan I	0.05 U
60-57-1	Dieldrin	0.10 U
72-55-9	4,4'-DDE	0.10 U
72-20-8	Endrin	0.10 U
33213-65-9	Endosulfan II	0.10 U
72-54-8	4,4'-DDD	0.10 U
7421-93-4	Endrin Aldehyde	0.10 U
1031-07-8	Endosulfan Sulfate	0.10 U
50-29-3	4,4'-DDT	0.10 U
72-43-5	Methoxychlor	0.50 U
53494-70-5	Endrin Ketone	0.10 U
57-74-9	Chlordane	0.50 U
8001-35-2	Toxaphene	1.0 U
12674-11-2	Aroclor-1016	0.50 U
11104-28-2	Aroclor-1221	0.50 U
11141-16-5	Aroclor-1232	0.50 U
53469-21-9	Aroclor-1242	0.50 U
12672-29-6	Aroclor-1248	0.50 U
11097-69-1	Aroclor-1254	1.0 U
11096-82-5	Aroclor-1260	1.0 U

Jill Hall 4/3/85

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

500 ml or W_s _____ V_t 10,000 ml V_i 5.0 ml

AB028 MSD

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.		No Compounds found	VOA		
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

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AB 028 (NSD)

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.		No Compounds Found	BA/P		
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

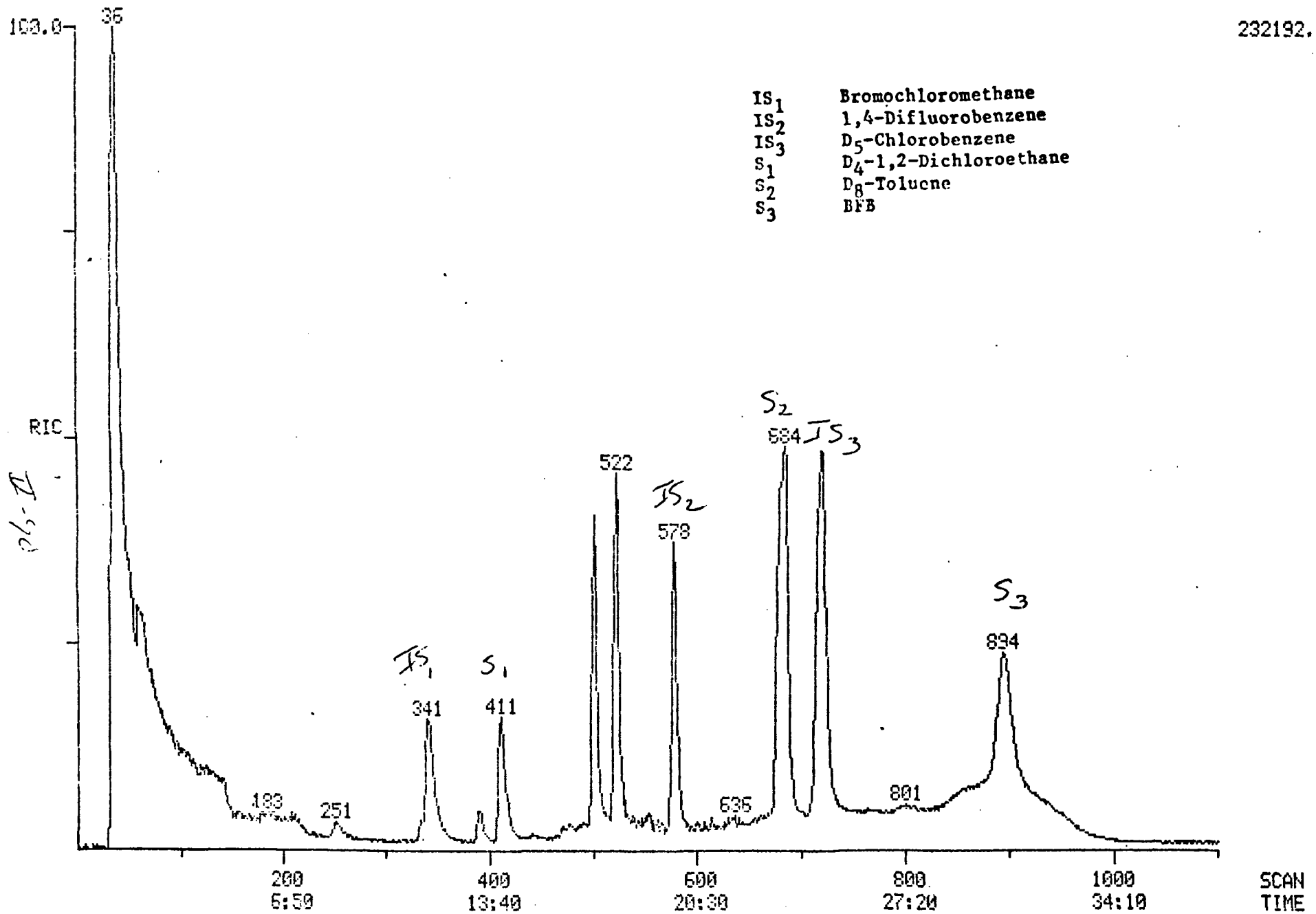
D-89

EPA Form [illegible]

4/84

RIC
03/05/85 14:43:00
SAMPLE: 43232 MSD CASE 3969 AB-028 MSD

DATA: V2742 SCANS 1 TO 1100



IS_1	Bromochloromethane
IS_2	1,4-Difluorobenzene
IS_3	D_5-Chlorobenzene
S_1	D_4-1,2-Dichloroethane
S_2	D_8-Toluene
S_3	BFB

DATA: V2742.TI
03/05/85 14:43:00
SAMPLE: 43232 MSD CASE 3969 AB-028 MSD
SUBMITTED BY: ANALYST:

AMOUNT=AREA(HGHT) * REF. AMNT/(REF. AREA(HGHT)* RESP. FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	NAME
1	BROMOCHLOROMETHANE(I.S. #1)
2	CHLOROMETHANE
3	BROMOMETHANE
4	VINYL CHLORIDE
5	CHLOROETHANE
6	METHYLENE CHLORIDE
7	ACETONE
8	CARBON DISULFIDE
9	1,1-DICHLOROETHENE
10	1,1-DICHLOROETHANE
11	TRANS 1,2-DICHLOROETHENE
12	CHLOROFORM
13	1,2-DICHLOROETHANE
14	D4-1,2-DICHLOROETHANE
15	1,1,1-TRICHLOROETHANE
16	1,4-DIFLUROBENZENE(I.S. #2)
17	CARBON TETRACHLORIDE
18	VINYL ACETATE
19	2-BUTANONE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	TRANS 1,3-DICHLOROPROPANE
23	TRICHLOROETHENE
24	DIBROMOCHLOROMETHANE
25	1,1,2-TRICHLOROETHANE
26	BENZENE
27	CIS-1,3-DICHLOROPROPENE
28	BROMOFORM
29	D8-TOLUENE(SURR#2)
30	2-CHLOROETHYLVINYLETHER
31	D5-CHLOROBENZENE(I.S. #3)
32	4 METHYL 2 PENTANONE
33	2-HEXANONE
34	TETRACHLOROETHENE
35	1,1,2,2,TETRACHLOROETHANE
36	TOLUENE
37	CHLOROBENZENE
38	ETHYLBENZENE
39	BFB(SURR#3)
40	STYRENE
41	TOTAL XYLENES

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	341	11:39	1	1.000	A BB	29442.	50.000 UG/L	7.60
2	NOT FOUND								
3	NOT FOUND								

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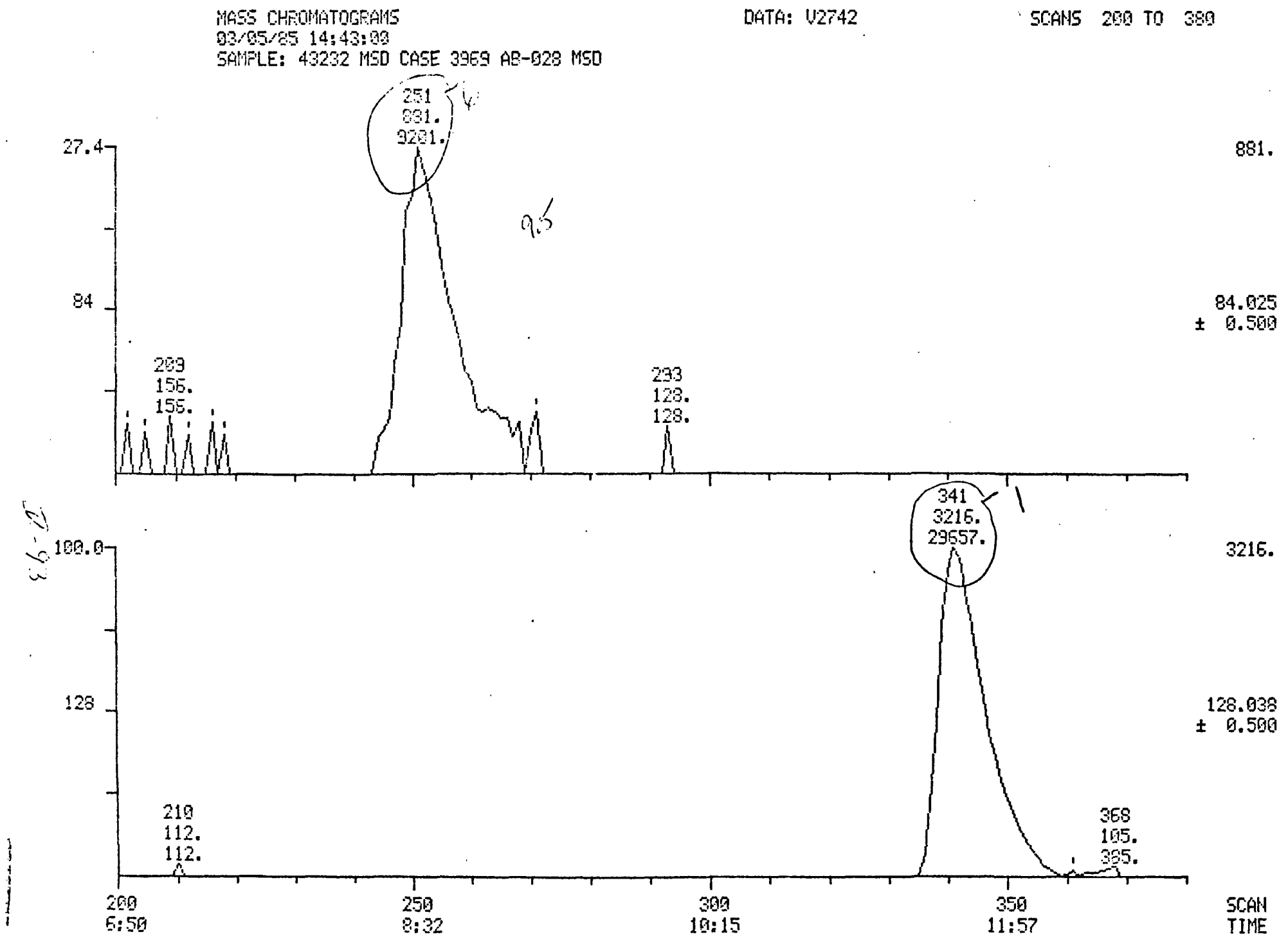
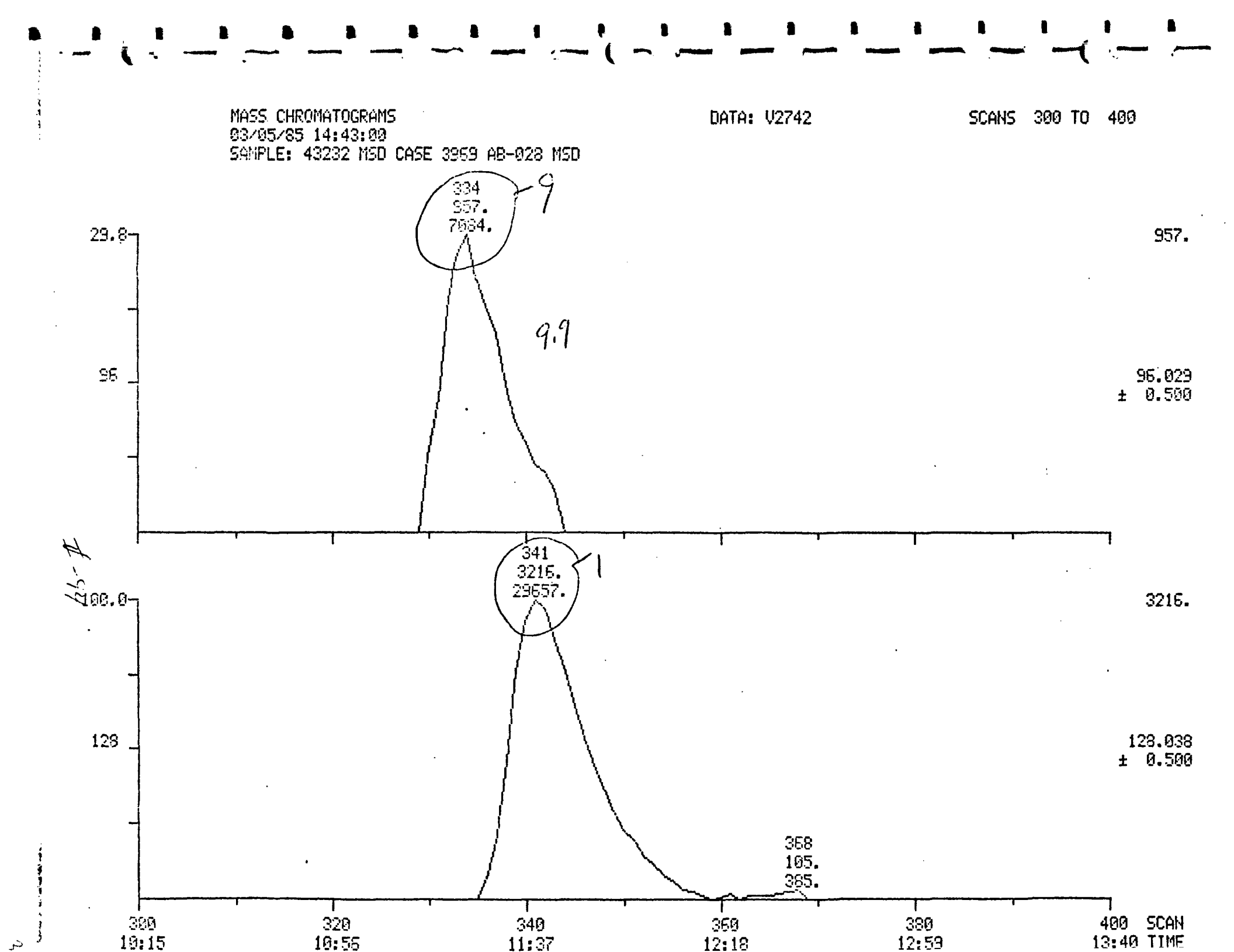
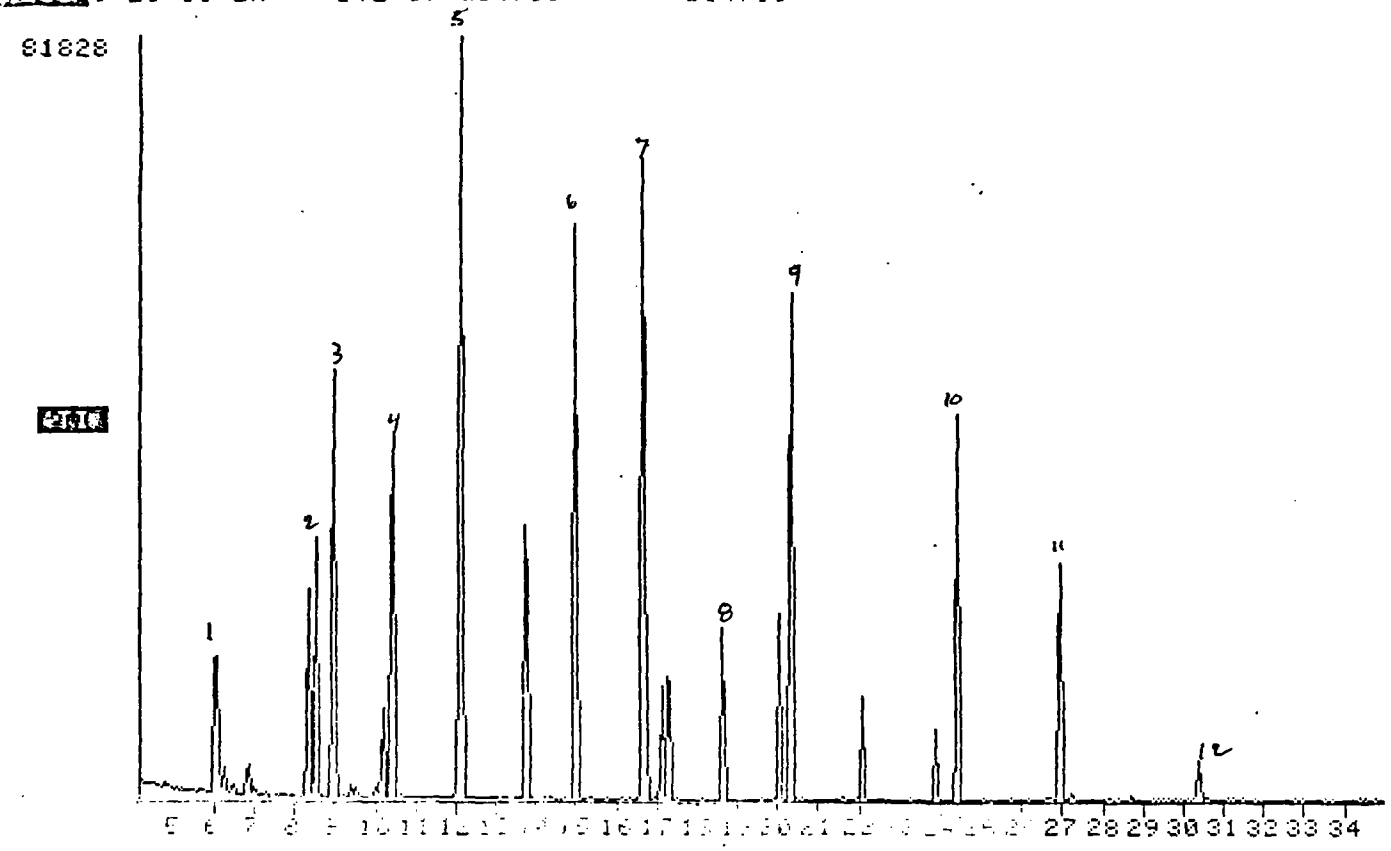
NO	M/E	SCAN	TIME	REP	RRT	METH	AREA/HGHT/?	AMOUNT		%RSD
4	NOT FOUND									
5	NOT FOUND									
6	NOT FOUND									
7	NOT FOUND									
8	NOT FOUND									
9	NOT FOUND									
10	NOT FOUND									
11	NOT FOUND									
12	83	390	13:19	1	1.144	A BB	22286.	7.163	UG/L	1.09
13	NOT FOUND									
14	65	411	14:03	1	1.205	A BB	99907.	93.593	%REC	14.22
15	NOT FOUND									
16	114	578	19:45	16	1.000	A BB	148270.	50.000	UG/L	7.60
17	NOT FOUND									
18	NOT FOUND									
19	NOT FOUND									
20	NOT FOUND									
21	NOT FOUND									
22	NOT FOUND									
23	130	501	17:07	16	0.867	A BB	63763.	55.794	UG/L	8.48
24	NOT FOUND									
25	NOT FOUND									
26	78	522	17:50	16	0.903	A BB	215462.	53.146	UG/L	8.07
27	NOT FOUND									
28	NOT FOUND									
29	98	679	23:12	16	1.175	A BB	174924.	97.031	%REC	14.74
30	NOT FOUND									
31	117	716	24:28	31	1.000	A BB	109539.	50.000	UG/L	7.60
32	NOT FOUND									
33	NOT FOUND									
34	164	634	21:40	31	0.885	A BB	577.	0.585	UG/L	0.09
35	NOT FOUND									
36	92	685	23:24	31	0.957	A BB	133973.	53.661	UG/L	8.15
37	112	720	24:36	31	1.006	A BB	139944.	56.295	UG/L	8.55
38	NOT FOUND									
39	95	894	30:33	31	1.249	A BB	88957.	90.921	%REC	13.81
40	NOT FOUND									
41	NOT FOUND									

AB 028 MSD Case 3769 3/5/85


MASS CHROMATOGRAMS
03/05/25 14:43:00
SAMPLE: 43232 MSD CASE 3969 AB-028 MSD
DATA: V2742
SCANS 200 TO 380
251
881.
9201.
27.4
881.
84
84.025
± 0.500
209
156.
156.
233
128.
128.
341
3216.
29657.
100.0
3216.
128
128.038
± 0.500
210
112.
112.
368
105.
385.
200
6:50
250
8:32
300
10:15
350
11:57
SCAN
TIME


MASS CHROMATOGRAMS
03/05/85 14:43:00
SAMPLE: 43232 MSD CASE 3959 AB-028 MSD
DATA: V2742
SCANS 300 TO 400
334
957.
7684.
9
9.9
29.8
957.
96
96.029
± 0.500
44-A
341
3216.
29657.
1
100.0
3216.
128
128.038
± 0.500
368
105.
385.
300
10:15
320
10:55
340
11:37
360
12:18
380
12:59
400 SCAN
13:40 TIME

3/25/85/EM BTL#17 014758 D14758



1. 2-FLUOROPHENOL(SURR)
2. PHENOL-D6(SURR)
3. 1,4-DICHLOROBENZENE-D4(IS)
4. NITROBENZENE-D5(SURR)
5. NAPHTHALENE-D8(IS)
6. 2-FLUOROBIPHENYL (SURR)
7. ACENAPHTHENE-D10(IS)
8. 2,4,6-TRIBROMOPHENOL (SURR)
9. PHENANTHRENE-D10(IS)
10. TERPHENYL-D14(SURR)
11. CHRYSENE-D12(IS)
12. PERYLENE-D12(IS)

QC-958 AB028MSD CASE 3969
3/25/85/EM BTL#17 Q14758 D14758

AREA	R. TIME	START	STOP	MAXIMA	# SUMS	MASS	BASE
9.0	150.0	1.000	80.0000				D4-1,4-DICHLOROBENZENE(20)
9.9	74.0	.046	.0000				N-NITROSODIMETHYLAMINE
8.4	93.0	.913	.0000				ANILINE
8.5	93.0	.709	1.7247 EM				BIS(2-CHLOROETHYL)ETHER
8.9	146.0	.591	.0000				1,3-DICHLOROBENZENE
9.0	146.0	.594	42.6409 ✓				1,4-DICHLOROBENZENE
9.5	108.0	.395	.0000				BENZYL ALCOHOL
9.5	146.0	.594	.0000				1,2-DICHLOROBENZENE
9.9	45.0	.527	.0000				BIS(2-CHLOROISOPROPYL)ETHER
10.2	70.0	.490	54.0577 ✓				N-NITROSODINPROPYLAMINE
10.2	117.0	.291	.0000				HEXACHLOROETHANE
10.5	77.0	.716	.0000				NITROBENZENE
12.1	68.0	1.000	80.0000				D8-NAPHTHALENE(20)
11.1	138.0	1.519	.0000				ISOPHORONE
11.8	95.0	1.813	.0000				BIS(2-CHLOROETHOXY)METHANE
12.1	180.0	2.642	39.6608 ✓				1,2,4-TRICHLOROBENZENE
12.2	129.0	1.325	.0000				NAPHTHALENE
12.5	127.0	4.577	.0000				4-CHLOROANILINE
12.7	225.0	1.190	.0000				HEXACHLOROBUTADIENE
14.0	115.0	2.578	.0000				2-METHYLNAPHTHALENE
16.7	164.0	1.000	80.0000				D10-ACENAPHTHENE
14.6	237.0	.205	.0000				HEXACHLOROCYCLOPENTADIENE
15.2	164.0	.281	.0000				2-CHLORONAPTHALENE
15.6	138.0	.397	.0000				2-NITROANILINE
16.2	164.0	.083	.0000				DIMETHYL PHTHALATE
16.3	151.0	.272	.0000				ACENAPHTHYLENE
16.4	165.0	.228	.0000				2,6-DINITROTOLUENE
16.7	138.0	.293	.0000				3-NITROANILINE
16.7	152.0	.437	43.2235 ✓				ACENAPHTHENE
17.2	139.0	.490	21.2622 CM				DIBENZOFURAN
17.3	165.0	.320	44.0576 ✓				2,4-DINITROTOLUENE
18.0	177.0	.171	.0000				DIETHYL PHTHALATE
18.0	165.0	.820	.0000				FLUORENE
18.1	204.0	.358	.0000				4-CHLOROPHENYLPHENYL ETHER
18.2	138.0	.292	.0000				4-NITROANILINE
17.2	169.0	.144	.0000				DIPHENYLAMINE
20.3	188.0	1.000	80.0000				D10-PHENANTHRENE(20)
19.3	248.0	.112	.0000				4-BROMOPHENYLPHENYL ETHER
19.6	284.0	.112	.0000				HEXACHLOROBENZENE
20.4	179.0	.060	.0000				PHENANTHRENE/ANTHRACENE
22.1	150.0	.100	16.6396 ✓				DIBUTYL PHTHALATE
23.4	202.0	.665	.0000				FLUORANTHENE

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FILE NUMBER 14758

QC-958 AB028MSD CASE 3969

3/25/85/EM BTL#17 Q14758 D14758

AREA	R. TIME	START	STOP	MAXIMA	# SUMS	MASS	BASE
27.0	240.0	1.000	80.0000		D12-CHRYSENE		
23.9	202.0	2.264	12.6747	✓	PYRENE		
25.8	149.0	1.136	.0000		BUTYL BENZYL PHTHALATE		
26.9	228.0	.427	.0000		BENZO(A)ANTHRACENE/CHRYSENE		
27.2	149.0	1.128	5.1470	EM	BIS(2-ETHYLHEXYL)PHTHALATE		
30.4	264.0	1.000	80.0000		D12-PERYLENE		
28.7	149.0	5.974	2.5719	EM	DIOCTYL PHTHALATE		
29.5	252.0	1.307	.0000		BENZO(B)/(K)FLUORANTHENE		
30.2	252.0	.744	.0000		BENZO(A)PYRENE		
33.7	276.0	.485	.0000		INDENO(123-CD)PYRENE		
33.8	278.0	.346	.0000		DIBENZO(AH)ANTHRACENE		
34.6	276.0	.360	.0000		BENZO(GHI)PERYLENE		
27.0	240.0	1.000	80.0000		D12-CHRYSENE		
23.8	184.0	.712	.0000		BENZIDINE		
27.0	252.0	.146	.0000		DICHLOROBENZIDINE		

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OC-958 AB028MSD CASE 3969
3/25/85/EM BTL#17 Q14758 D14758

AREA	R. TIME	START	STOP	MAXIMA	# SUMS	MASS	BASE
0	150.0	1.000	80.0000	✓			D4-1,4-DICHLOROBENZENE(20)
4	94.0	.841	51.8325	✓			PHENOL
5	128.0	.611	85.0818	✓			2-CHLOROPHENOL
9	108.0	.671	.0000				2-METHYLPHENOL
2	108.0	.699	.0000				4-METHYLPHENOL
1	68.0	1.000	80.0000				D8-NAPHTHALENE(20)
3	139.0	1.759	.0000				2-NITROPHENOL
5	122.0	2.581	.0000				2,4-DIMETHYLPHENOL
1	122.0	1.200	.0000				BENZOIC ACID
9	162.0	2.051	.0000				2,4-DICHLOROPHENOL
7	142.0	2.196	83.5878	✓			4-CHLORO-M-CRESOL
7	164.0	1.000	80.0000				D10-ACENAPHTHENE(20)
8	196.0	.237	.0000				2,4,5-TRICHLOROPHENOL
8	196.0	.237	.0000				2,4,6-TRICHLOROPHENOL
0	184.0	.111	.0000				2,4-DINITROPHENOL
3	198.0	.126	.0000				4,6-DINITRO-O-CRESOL
2	65.0	.231	53.8130	✓			4-NITROPHENOL
3	188.0	1.000	80.0000				D10-PHENANTHRENE
1	266.0	.072	76.2480	✓			PENTACHLOROPHENOL

Date 4/1/85 Analyst BL Contract 3-705-050

Pesticide Analysis - Qualitative/Quantitative

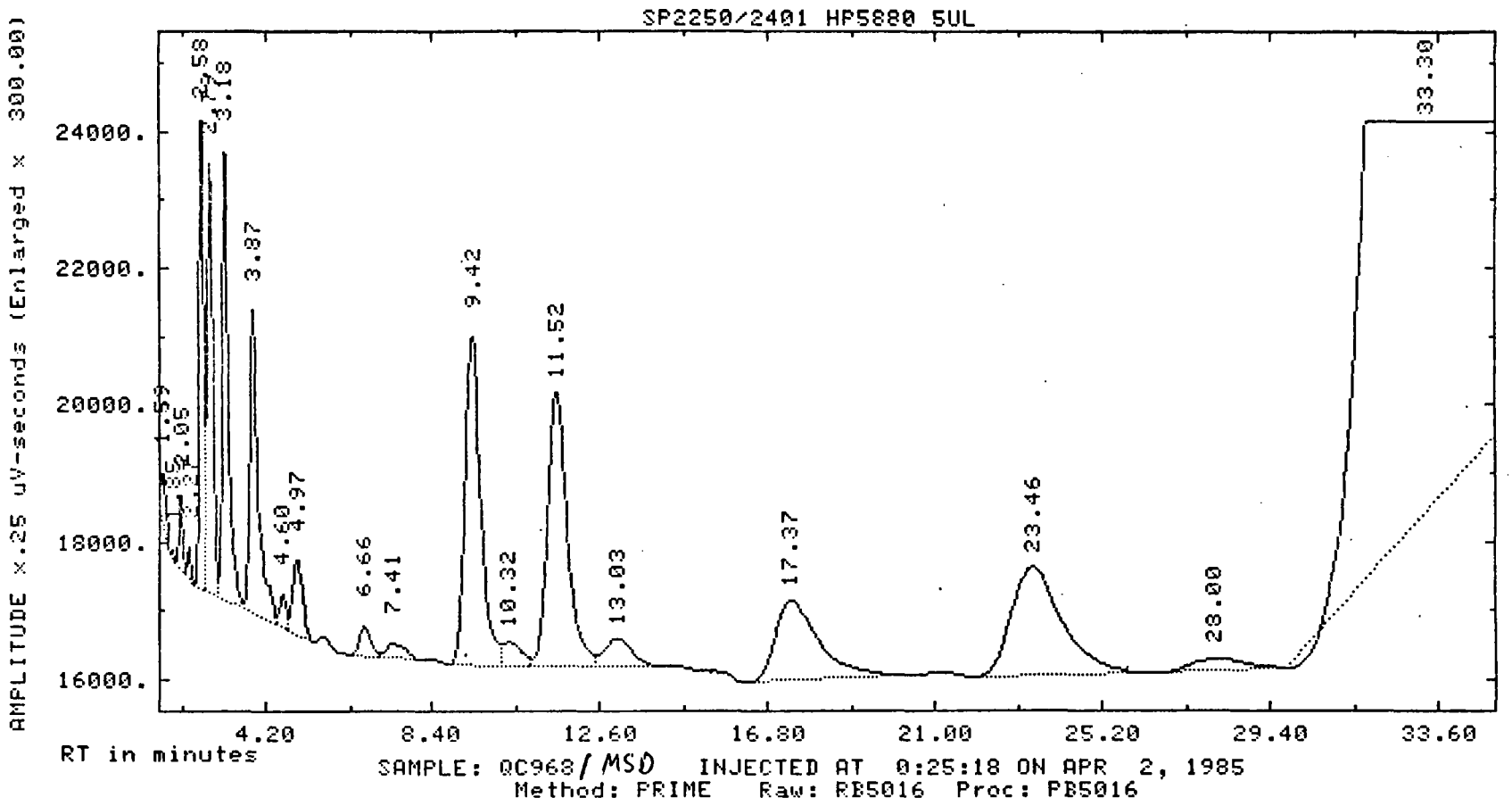
Case # 3969

Sample I.D. QC-968/AB030 MSD HP 5880
Run # 16 Bottle # 16

RT (min.)	Peak ID	Area x 10^3	ng/ml	Dilution Factor (mls extracted)	Spiked at ng	% (ug/l) ppb Recovery	total ug
2.55	δ-BHC	29.49	*13.9 x	10 = 139	200	69.5	
3.18	Heptachlor	35.58	13.6 x	10 = 136	200	68.0	
3.87	Aldrin	32.35	15.9 x	10 = 159	200	79.5	
9.42	Dieldrin	65.65	39.9 x	10 = 399	500	79.8	
11.52	Endrin	67.12	56.8 x	10 = 568	500	114	
17.37	pp'-DDT	42.81	56.6 x	10 = 566	500	113	
	DBC obscured by peak at 33 min						
	* Calculated from lowest four calibration points						
	✡ Calculated from highest four calibration points						

GCA GCA CORPORATION Technology Division

Case 3969



A-105

Case 5161

APR 2, 1985 9:14:15

REPORT: 159 CHANNEL: 2 # PEAKS: -24 SP2250/2401 HP5880 SUL

PEAK	RT	ITM	FACTOR	AREA		AREA %	NAME
1	1.10	0.00	1.00000	4104	BV	.123	
2	1.16	0.00	1.00000	5421	VV	.163	
3	1.37	0.00	1.00000	5070	VV	.153	
4	1.59	0.00	1.00000	2785	VV	.084	
5	1.85	0.00	1.00000	250	VV	.008	
6	2.05	0.00	1.00000	3605	VV	.108	
7	2.27	0.00	1.00000	1425	VV	.043	
8	2.58	0.00	1.00000	29487	VV	.887	γ-BHC
9	2.79	0.00	1.00000	30028	VV	.904	
10	3.18	0.00	1.00000	35570	VV	1.071	Heptachlor
11	3.87	0.00	1.00000	32349	VV	.973	Aldrin
12	4.60	0.00	1.00000	2742	VV	.083	
13	4.97	0.00	1.00000	9131	VB	.275	
14	6.66	0.00	1.00000	4865	BV	.146	
15	7.41	0.00	1.00000	3321	VB	.100	
16	9.42	0.00	1.00000	65052	BV	1.976	Dieldrin
17	10.32	0.00	1.00000	5462	VV	.164	
18	11.52	0.00	1.00000	67117	VV	2.020	Endrin
19	13.03	0.00	1.00000	9153	VB	.276	
20	17.37	0.00	1.00000	42814	BB	1.288	pp'-DDT
21	23.46	0.00	1.00000	68270	BV	2.055	
22	28.03	0.00	1.00000	8140	VB	.245	
23	33.30	0.00	1.00000	2857193	BV	85.979	
24	38.43	0.00	1.00000	28132	VF	.847	

TOTAL AREA = 3323114 TOTAL AREA % = 100.000

SAMPLE: 0C90E/MSD AE030 INJECTED AT 8:25:18 ON APR 2, 1985

ZERO METHOD: PRIME SEQ: SM03A SUBSQ/SAMP: 1 / 16 BTL: 15

SL-WDTH	MV/MIN	DELAY	MIN-AR	BUNCH	REPORT
.500	.300	1.00	50	AUTO	MEDIUM

SUP-UNK	DVT	ID-LVL	REF-RTW	%RTW	%DIL-F	ISO
NO	0.00	0	.30	5.0	100.00	YES

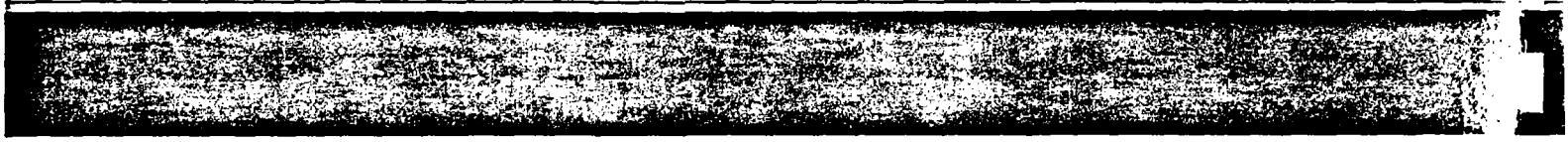
ACTUAL RUN TIME: 40.000 MINUTES

RF-UNK: 1.00000 STD-AMT: 1.0000 SAMP-AMT: 1.0000

ENDED NOT ON BASELINE

RAW DATA FILE: RB5016 PARAM FILES= METHOD: SEQ:

DONE



CAMP DRESSER & McKEE INC.

7630 LITTLE RIVER TURNPIKE
SUITE 500
ANNANDALE, VIRGINIA 22003
703 642-5500