Weston Services, Inc.
Raritan Plaza I
4th Floor, Raritan Center
Edison, NJ 08837
Phone: (201) 225-3990

Weston Services, Inc.

L.E. Carpenter and Company
1301 E. 9th Street
Suite 3600
Cleveland, Ohio 44114

ADMINISTRATIVE CONSENT ORDER SECOND QUARTER 1990 REPORT L.E. CARPENTER FACILITY, WHARTON, MORRIS COUNTY, NEW JERSEY

August 8, 1990

345969

MAY WATER LEVELS AND CONTOURS

L.E. CARPENTER WATER LEVELS

DATE: 5/25/90

LOCATION	DEPTH TO WATER (ft.)	DEPTH TO WATER GEOMON (ft.)	THICKNESS OF OIL (ft.)
MW-1	11.47	11.44	0.43
MW-2	6.73	6.94	0.10
MW-3	7.36	6.16	1.60
MW-4	5.38	5.56	0.10
MW-5	5.00	5.23	0.00
MW-6	5.65	--	0.93
MW-7	3.90	--	0.10
MW-8	2.46	--	0.00
MW-9	4.63	--	0.00
MW-10	5.16	--	0.82
MW-11s	13.25	--	8.90
MW-11i	5.77	--	0.00
MW-11d	1.90	--	0.00
MW-12s	6.54	--	2.59
MW-12i	5.85	--	0.00
MW-13s	4.85	--	0.00
MW-13i	4.07	--	0.00
MW-14s	2.52	--	0.00
MW-14i	1.80	--	0.00
MW-14d	0.00 (artesian)	--	0.00

L.E. CARPENTER WATER LEVELS CONT.

DATE: 5/25/90

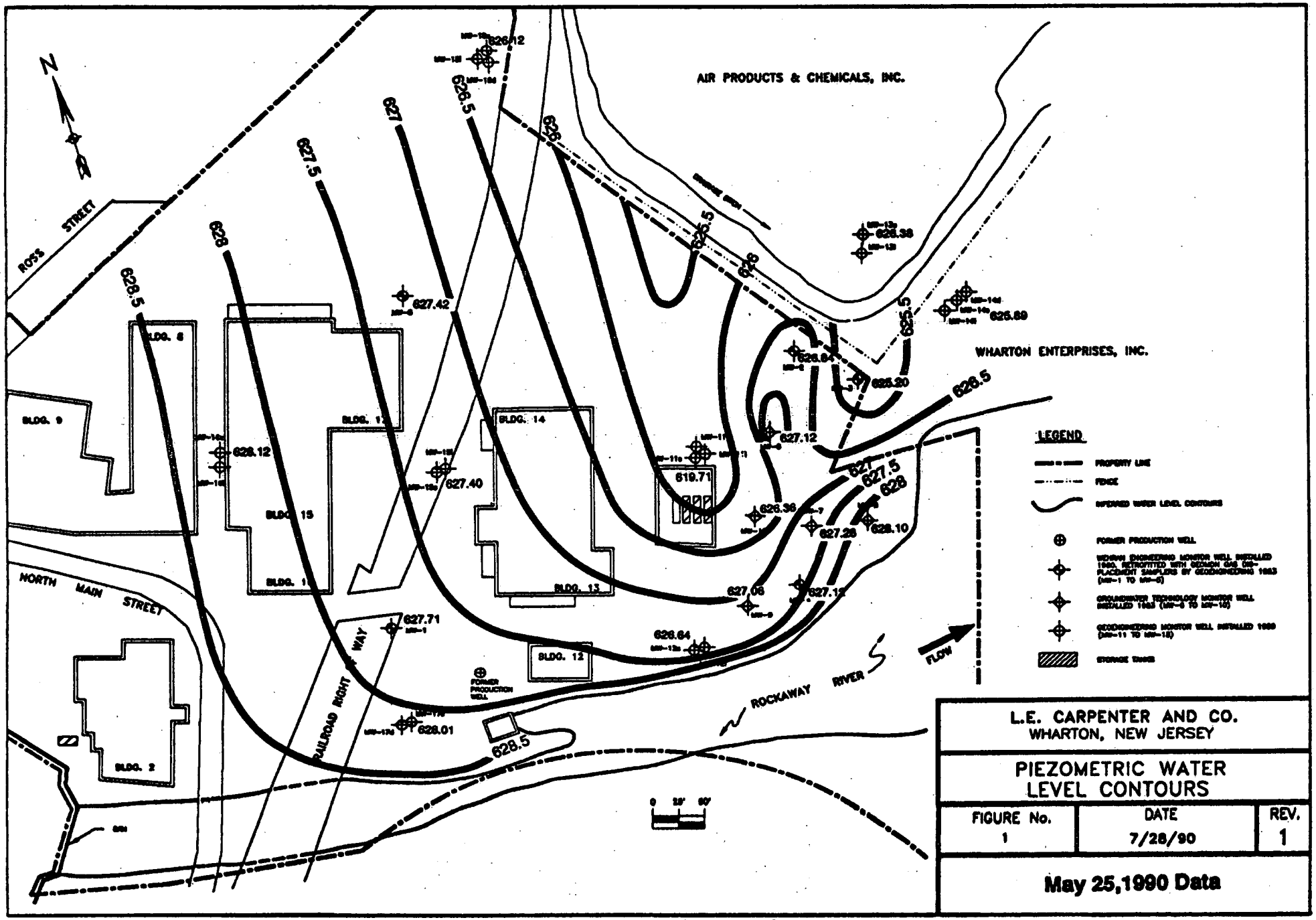
LOCATION	DEPTH TO WATER (ft.)	DEPTH TO WATER GEOMON (ft.)	THICKNESS OF OIL (ft.)
MW-15s	9.37	--	0.00
MW-15i	9.26	--	0.00
MW-16s	6.35	--	0.00
MW-16i	6.80	--	0.00
MW-17s	6.78	--	0.00
MW-17d	6.83	--	0.00
MW-18s	5.14	--	0.00
MW-18i	4.30	--	0.00
MW-18d	0.97	--	0.00
PROD. WELL	7.88	--	0.00
GEI-1i	3.92	--	0.00
GEI-2s	9.42	--	0.00
GEI-2i	9.22	--	0.00
GEI-3i	11.24	--	0.00

SURVEY INFORMATION (ft.)

BACK SITE MW-2	=2.79	BACK SITE NAIL DOWN RIVER	=3.76
ROD DRAINAGE CHANNEL	=12.80	ROD RIVER POINT #3	=5.32
ROD INFILTRATION GALLERY	=7.49	BACK SITE NAIL UP RIVER	=5.64
ROD RIVER POINT #2	=9.78	ROD RIVER POINT #1	=10.52

* WATER OBSERVED FLOWING UP FROM UNDER THE CEMENT FOUNDATION OF THE WELL

WSI



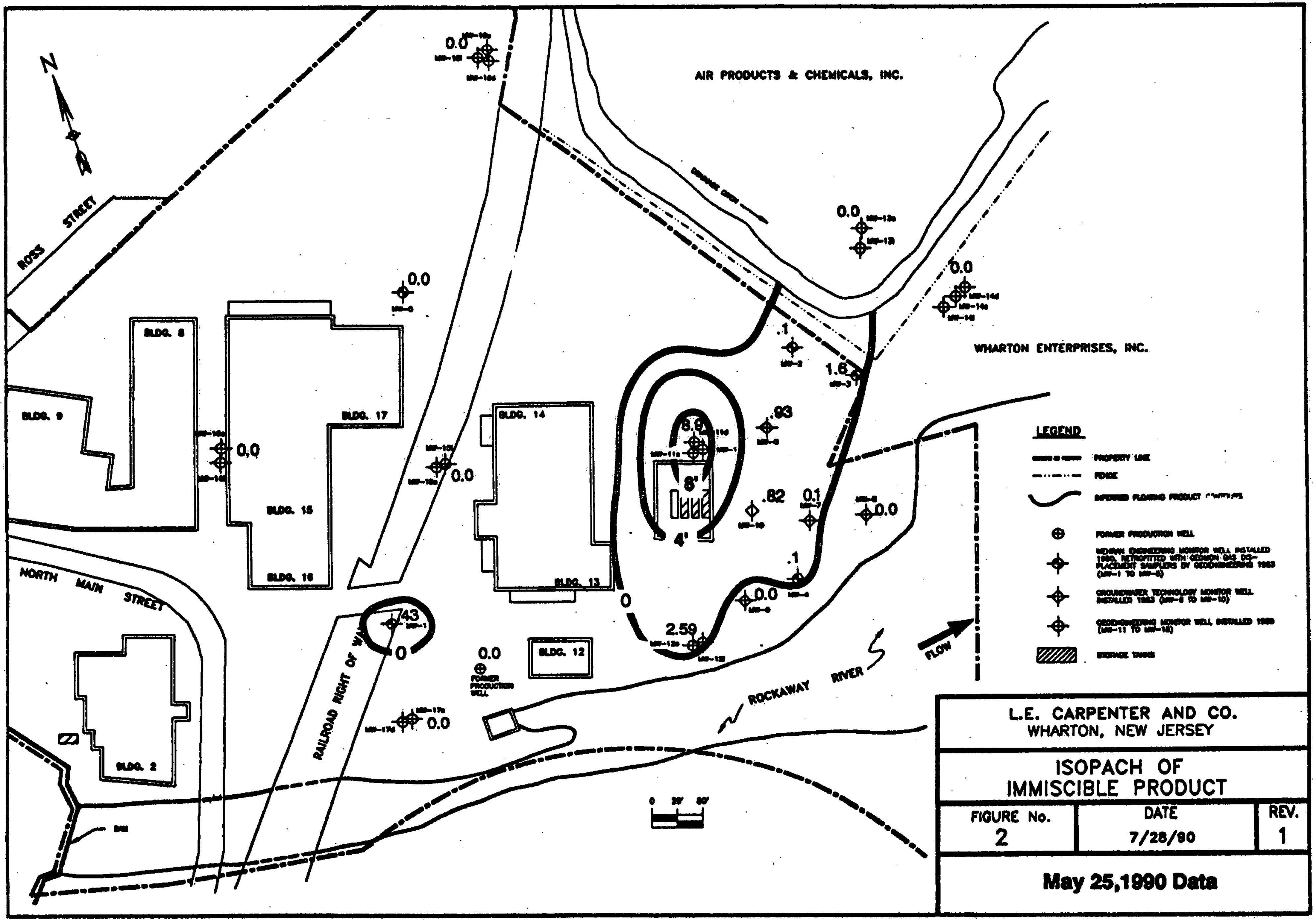
L.E. CARPENTER AND CO.
WHARTON, NEW JERSEY

PIEZOMETRIC WATER LEVEL CONTOURS

FIGURE No.	DATE	REV.
1	7/28/90	1

May 25,1990 Data

WSI


N
ROSS STREET
AIR PRODUCTS & CHEMICALS, INC.
WHARTON ENTERPRISES, INC.
BLDG. 8
BLDG. 9
BLDG. 17
BLDG. 15
BLDG. 16
BLDG. 14
BLDG. 13
BLDG. 12
BLDG. 2
NORTH MAIN STREET
RAILROAD RIGHT OF WAY
ROCKAWAY RIVER
FLOW
FORMER PRODUCTION WELL
0.0
0.0
0.0
0,0
0.0
0.0
0.0
.1
1.6
.93
8.9
8'
4'
.82
0.1
0.0
.1
0.0
2.59
0
.43
0
0.0
0.0
LEGEND
PROPERTY LINE
FENCE
FORMER PRODUCTION WELL
STORAGE TANKS
0 25' 50'
L.E. CARPENTER AND CO.
WHARTON, NEW JERSEY
ISOPACH OF
IMMISCIBLE PRODUCT
FIGURE No. 2
DATE 7/28/90
REV. 1
May 25,1990 Data

JUNE WATER LEVELS AND CONTOURS

CARPENTAR LEVELS

6 /18 /90

LOCATION	DEPTH TO WATER	DEPTH TO WATER GEOMON	THICKNESS OF OIL
MW-1	13.1'	12.36'	1.12'
MW-2	7.43'	7.60'	0.50'
MW-3	7.74'	6.79'	1.40'
MW-4	5.96'	6.39'	
MW-5	5.80'	5.89'	
MW-6	6.80'		1.45'
MW-7	4.98'		0.50'
MW-8	2.78'		
MW-9	3.80'		
MW-10	5.30'		0.90'
MW- 11s	13.26'		7.10'
MW-11i	6.45'		
MW-11d	3.00'		
MW-12s	7.10'		0.38'
MW-12i	6.60'		
MW-13s	5.21'		
MW-13i	4.63'		
MW-14s	2.70'		
MW-14i	2.33'		
MW_-14d	Artesian		
MW-15s	10.10'		
MW-15i	10.00'		

CARPENTAR LEVELS (CONT.)

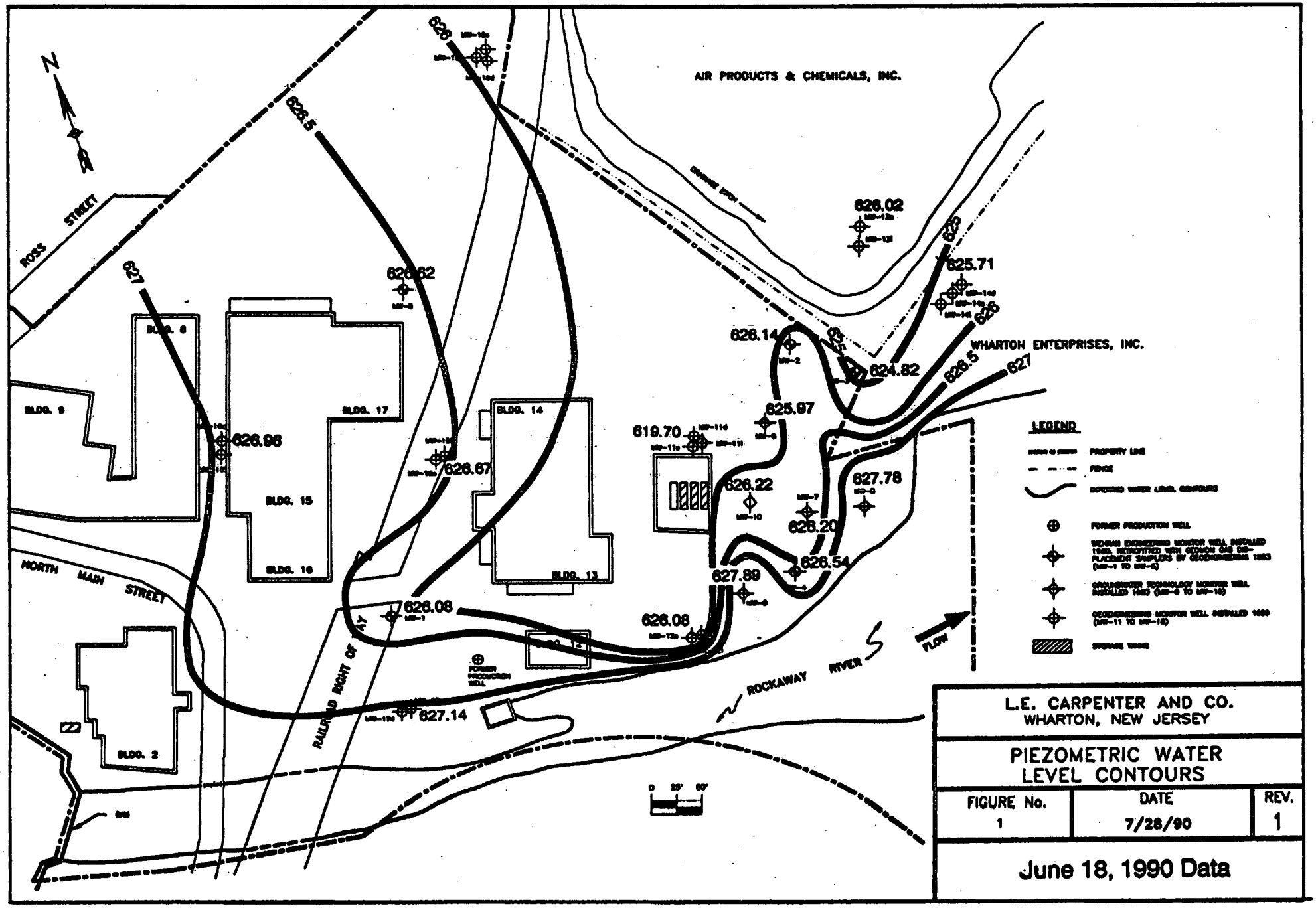
MW-16s	7.51'		
MW-16i	7.65'		
MW-17s	7.65'		
MW-17d	3.70'		
MW-18s	5.45'		
MW-18i	4.80'		
MW-18d	2.10'		
PROD. WELL	8.62'		
GEI-1i	4.45'		
GEI-2s	10.35'		
GEI-2i	10.20'		
GEI-3i	12.15'		

SURVEY INFORMATION

BACK SITE MW-2	= 2.32'
ROD DRAINAGE CHANNEL	= 12.88'
ROD INFILTRATION GALLERY	+= 7.08'
ROD RIVER POINT #2	= 9.18'
BACK SITE NAIL DOWN RIVER	= 4.52'
ROD RIVER POINT #3	= 6.24'
BACK SITE NAIL UP RIVER	= 4.98'
ROD RIVER POINT #1	= 7.99'

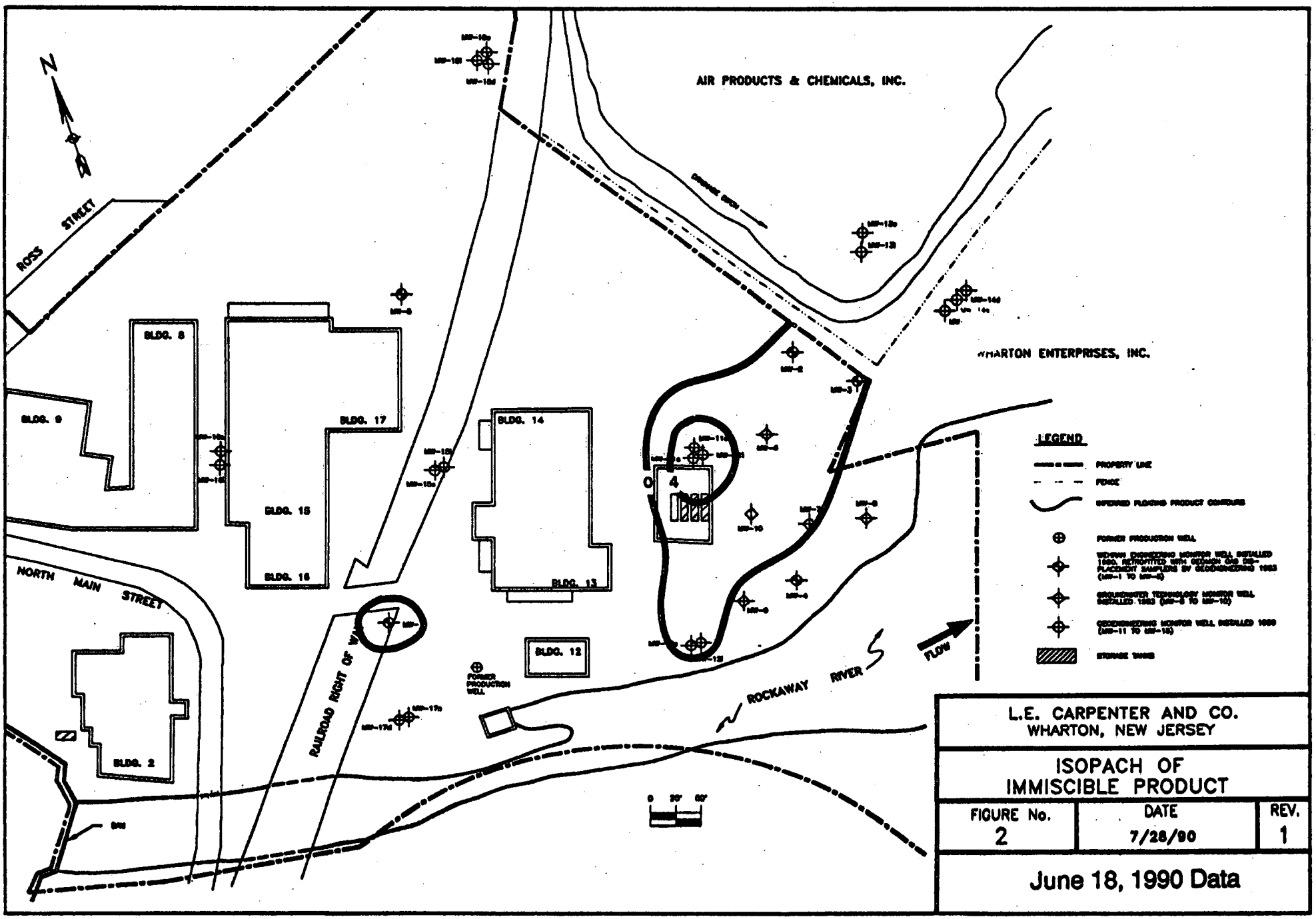
WSI

Weston Services, Inc.



L.E. CARPENTER AND CO. WHARTON, NEW JERSEY		
PIEZOMETRIC WATER LEVEL CONTOURS		
FIGURE No. 1	DATE 7/28/90	REV. 1
June 18, 1990 Data		

WSI
Wharton Services, Inc.



JULY WATER LEVELS AND CONTOURS

CARPENTAR LEVELS

7/09/90

LOCATION	DEPTH TO WATER (in feet)	DEPTH TO WATER GEOMON (in feet)	THICKNESS OF OIL (in feet)
MW-1	14.42	13.21	1.58
MW-2	8.04	8.83	0.00
MW-3	8.58	7.42	1.58
MW-4	6.31	7.04	0.00
MW-5	6.29	6.58	0.00
MW-6	8.33	---	2.25
MW-7	5.58	---	sheen
MW-8	4.90	---	0.00
MW-9	4.59	---	0.00
MW-10	5.88	---	1.58
MW-11s	no water	---	7.25
MW-11i	7.20	---	0.00
MW-11d	4.03	---	0.00
MW-12s	6.92	---	0.80
MW-12i	7.43	---	0.00
MW-13s	5.94	---	0.00
MW-13i	5.33	---	0.00
MW-14s	3.40	---	0.00
MW-14i	3.07	---	0.00
MW_-14d	0.60	---	0.00
MW-15s	10.85	---	0.00
MW-15i	10.75	---	0.00

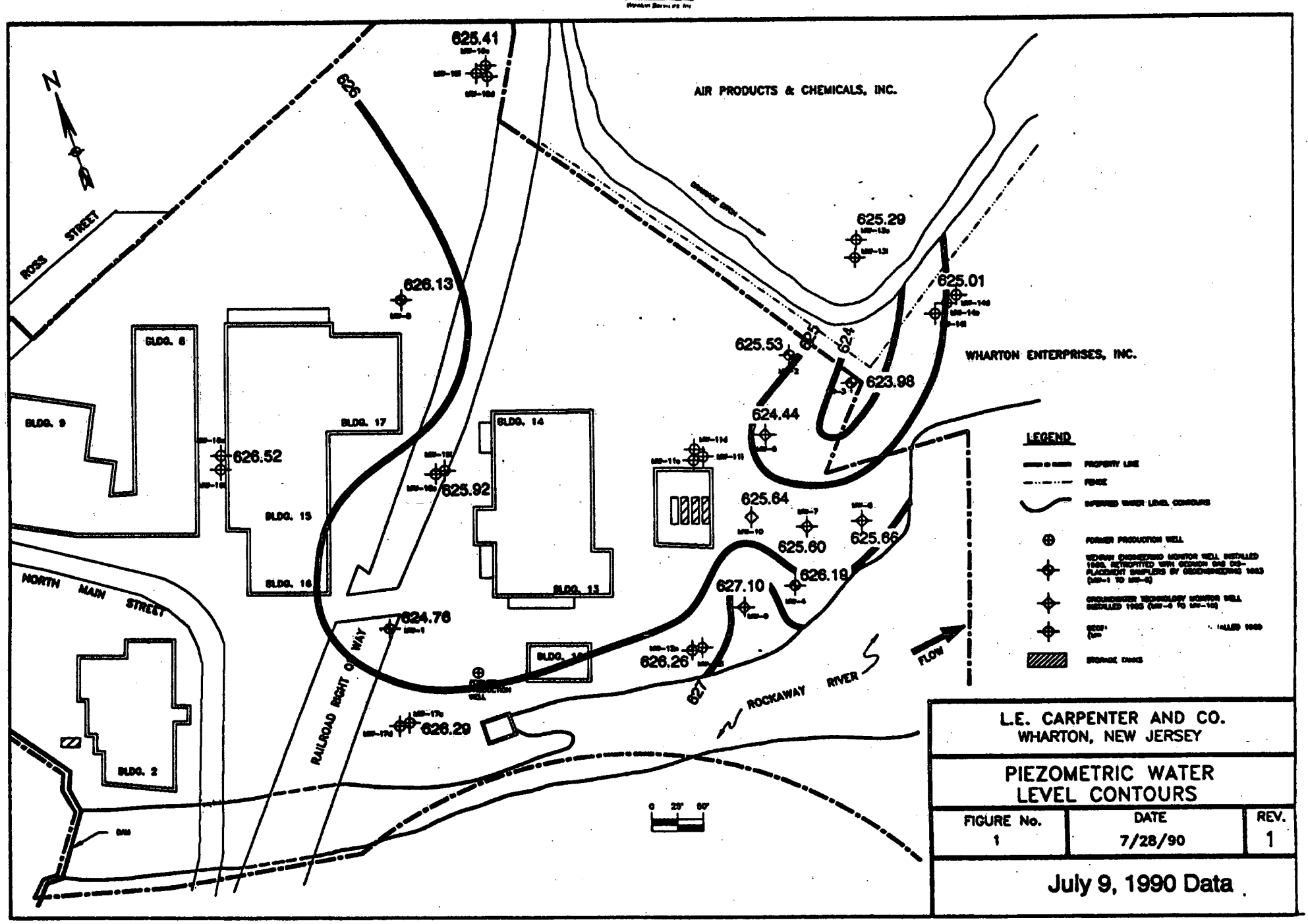
CARPENTAR LEVELS (CONT.)

MW-16s	7.95	---	0.00
MW-16i	8.45	---	0.00
MW-17s	8.50	---	0.00
MW-17d	8.58	---	0.00
MW-18s	5.85	---	0.00
MW-18i	5.35	---	0.00
MW-18d	3.08	---	0.00
PROD. WELL	9.45	---	0.00
GEI-1i	5.00	---	0.00
GEI-2s	11.05	---	0.00
GEI-2i	11.00	---	0.00
GEI-3i	13.05	---	0.00

SURVEY INFORMATION (in feet)

BACK SITE MW-2	= 2.42
ROD DRAINAGE CHANNEL	= 12.45
ROD INFILTRATION GALLERY	+= dry
ROD RIVER POINT #2	=10.03
BACK SITE NAIL DOWN RIVER	= 4.29
ROD RIVER POINT #3	= 6.35
BACK SITE NAIL UP RIVER	= 5.25
ROD RIVER POINT #1	= 8.64

WSI



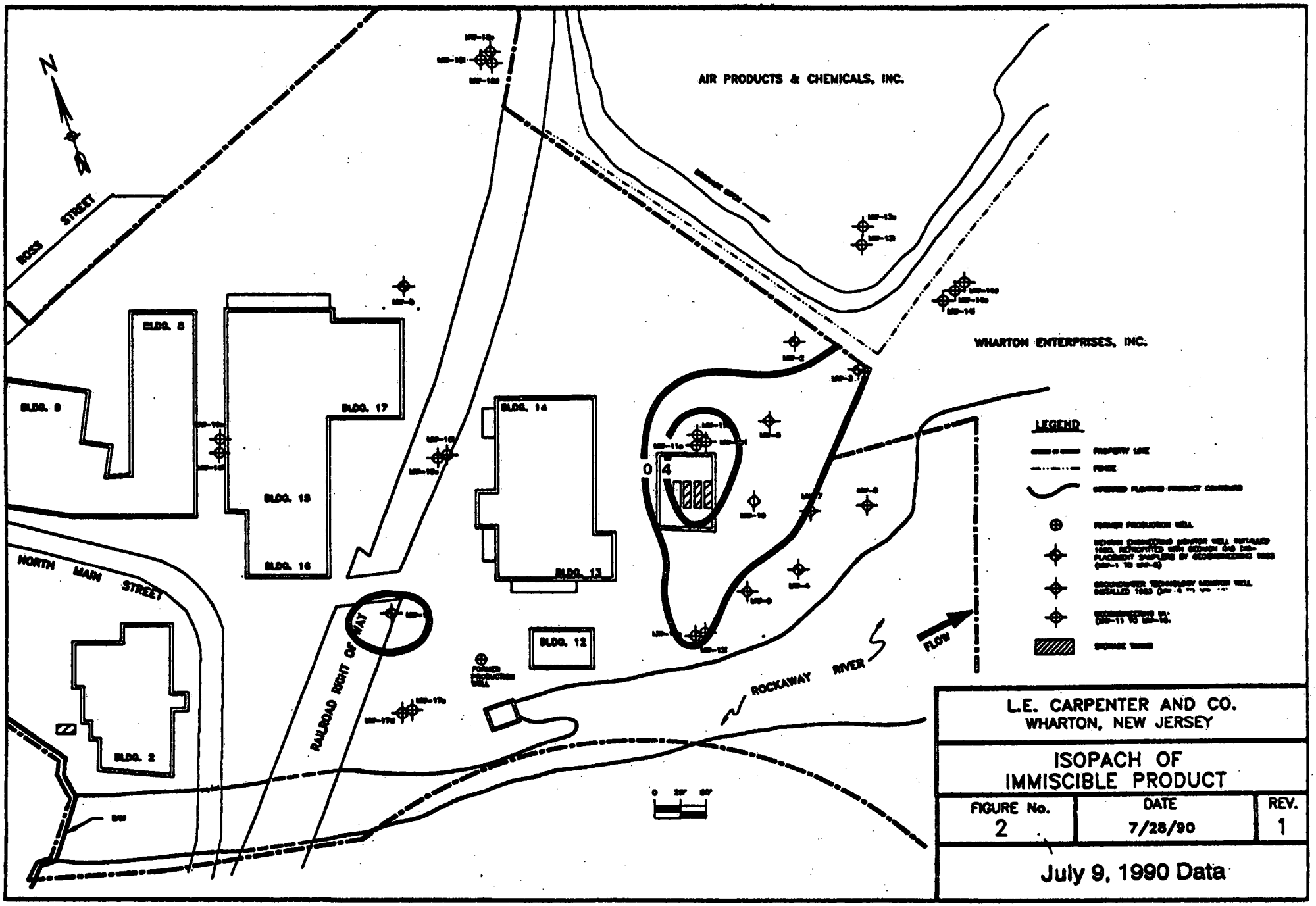
L.E. CARPENTER AND CO.
WHARTON, NEW JERSEY

PIEZOMETRIC WATER LEVEL CONTOURS

FIGURE No.	DATE	REV.
1	7/28/90	1

July 9, 1990 Data

WSI


AIR PRODUCTS & CHEMICALS, INC.
WHARTON ENTERPRISES, INC.
ROSS STREET
NORTH MAIN STREET
RAILROAD RIGHT OF WAY
ROCKAWAY RIVER
FLOW
BLDG. 2
BLDG. 8
BLDG. 9
BLDG. 12
BLDG. 13
BLDG. 14
BLDG. 15
BLDG. 16
BLDG. 17
LEGEND
L.E. CARPENTER AND CO.
WHARTON, NEW JERSEY
ISOPACH OF
IMMISCIBLE PRODUCT
FIGURE No.
2
DATE
7/28/90
REV.
1
July 9, 1990 Data

ANALYTICAL DATA

Roy F. Weston, Inc. - Lionville Laboratory
VOA ANALYTICAL DATA PACKAGE FOR
WSI-LE CARPENTER

DATE RECEIVED: 06/14/90 RFW LOT # :9006L734

CLIENT ID	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
L.E. CARPENTER MW-1	001	W	90LVP005	06/13/90	N/A	06/19/90
L.E. CARPENTER MW-1	001 D1	W	90LVP006	06/13/90	N/A	06/20/90
L.E. CARPENTER MW-2	002	W	90LVP005	06/13/90	N/A	06/20/90
L.E. CARPENTER MW-3	003	W	90LVP005	06/13/90	N/A	06/20/90
L.E. CARPENTER MW-3	003 D1	W	90LVP006	06/13/90	N/A	06/20/90
L.E. CARPENTER MW-4	004	W	90LVP005	06/13/90	N/A	06/20/90
L.E. CARPENTER MW-5	005	W	90LVP005	06/13/90	N/A	06/20/90
L.E. CARPENTER MW-5	005 MS	W	90LVP006	06/13/90	N/A	06/20/90
L.E. CARPENTER MW-5	005 MSD	W	90LVP006	06/13/90	N/A	06/20/90
L.E. CARPENTER TRIP	006	W	90LVP005	06/13/90	N/A	06/20/90

LAB QC:

VBLK	MB1	W	90LVP005	N/A	N/A	06/19/90
VBLK	MB1	W	90LVP006	N/A	N/A	06/20/90

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I. Case Narrative..... 8

II. QC summary.....11
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B. Matrix Spike (Form III)
C. Reagent Blank Summary (Form IV)
D. GC/MS Tuning and Calibration Standard (Form V)

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A. Sample Data in order of analysis
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2. Tentatively identified compound (form 1B)
3. Raw Data in order:
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b. Quantitation Report(s)
c. HSL Mass Spectra
d. TIC Mass Spectra
e. GC/MS Library Search for TIC

IV. Standards Data Package.....145
A. Initial Calibration Data:
1. Form VI
2. Reconstructed Ion Chromatogram(s) and Quantitation Report(s)

B. Continuing Calibration Data
1. Form VII
2. Reconstructed Ion Chromatogram(s) and Quantitation Report(s)

C. Internal Standard Summary (Form VIII)

V. Raw QC Data Package.....179
A. GC/MS Tuning and Calibration Standard: DFTPP
1. Bar Graph
2. Mass Listing

B. Blank Data
1. Tabulated Results (Form I)
2. TIC Results (Form IB)
3. Raw Data
a. Reconstructed Ion Chromatogram(s) and Quantitation Report(s)
b. HSL Spectra
c. TIC Spectra
d. GC/MS Library Search for TIC

C. Matrix Spike Data
1. Tabulated Results (Form I)
2. Raw Data
a. Reconstructed Ion Chromatogram(s)
b. Quantitation Report(s)

TRAFFIC REPORTS

Custody Transfer Record/Lab Work Request

WESTON

WESTON Analytics Use Only: 90061734 (WST-LE)

Client: WESTON SERVICES - LE Carpenter
Work Order: 0010-70-90
Date Rec'd.: 6/14/90 Date Due: 7/14/90
RFW Contact: M. Young
Client Contact/Phone: Dave Henderson/201-225-3990

Refrigerator#					1							
Type Container					2950							
Volume					40ml							
Preservative					—							
ANALYSES REQUESTED → PP					VOA+ 15							
WA Use Only Lab ID	Client ID/Description	Matrix	Date Collected									
1	L.E. Carpenter MW-1	WATER	6/13/90		✓							
2	MW-2				✓							
3	MW-3				✓							
4	MW-4				✓							
5	MW-5				✓							
6	L.E. Carpenter Trip Blank	WATER	-		✓	← 4 VOAs Vials Rec'd						
			VOA = 0624P + 15 Tic by CLP Soil Method									
	~~TIER II~~ Del = NJ (CLP) TIER I QC = CLP											
	DA 6/14/90											
PLEASE RETURN THE SMALL COOLER AND BLUE ICE TO:												

Matrix: W - Water, S - Soil, SE - Sediment, SO - Solid, O - Oil, A - Air, WI - Wipe, DS - Drum Solids, DL - Drum Liquids, F - Fish, L - EP/TCLP Leachate, X - Other

Special Instructions: Aquifer Systems Inc. 140 Mineral Spring Dr. Dover, N.J. 07801

Item/Reason	Relinquished by	Received by	Date	Time	Item/Reason	Relinquished by	Received by	Date	Time
	[illegible] (S.M.D. Inc.)	TO FED EX	6/13/90	16:00					
	Fedex	Orthopedic	6/14/90	9:30					

WESTON Analytics Use Only

Samples Were: Shipped or Hand-Delivered
NOTES:

2 Ambient or Chilled
NOTES:

3 Received Broken/Leaking (Improperly Sealed) Y N
NOTES:

4 Properly Preserved Y N
NOTES:

5 Received Within Holding Times Y N
NOTES:

COC Tape Was:
1 Present on Outer Package Y N
2 Unbroken on Outer Package Y N
3 Present on Sample Y N
4 Unbroken on Sample Y N
NOTES: [illegible] 6/14/90

COC Record Was:
1 Present Upon Receipt of Samples Y N

Discrepancies Between Sample Labels and COC Record? Y N
NOTES:

RFW 21-21-001/A-12/88

7 115

02

DATA SUMMARY

Roy F. Weston, Inc. - Lionville Laboratory
Volatiles by GC/MS, Priority Pollutant List

RFW Batch Number: 9006L734 Client: WSI-LE CARPENTER Work Order: 3600-04-51-0000 Report Date: 07/10/90 08:51 Page: 1a

	Cust ID:	L.E. CARPENT ER MW-1		L.E. CARPENT ER MW-1		L.E. CARPENT ER MW-2		L.E. CARPENT ER MW-3		L.E. CARPENT ER MW-3		L.E. CARPENT ER MW-4	
Sample Information	RFW#:	001		001 DL		002		003		003 DL		004	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	D.F.:	1.00		100		1.00		1.00		100		1.00	
	Units:	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Surrogate Recovery	Toluene-d8	100	%	108	%	108	%	102	%	111 *	%	103	%
	Bromofluorobenzene	116 *	%	114	%	108	%	107	%	114	%	98	%
	1,2-Dichloroethane-d4	96	%	117 *	%	103	%	93	%	115 *	%	94	%
			fl		fl		fl		fl		fl		fl
Chloromethane		10	U	NA		10	U	10	U	NA		10	U
Bromomethane		10	U	NA		10	U	10	U	NA		10	U
Vinyl Chloride		10	U	NA		10	U	10	U	NA		10	U
Chloroethane		10	U	NA		10	U	10	U	NA		10	U
Methylene Chloride		3	JB	NA		4	JB	2	JB	NA		3	JB
1,1-Dichloroethene		5	U	NA		5	U	5	U	NA		5	U
1,1-Dichloroethane		5	U	NA		5	U	5	U	NA		5	U
1,2-Dichloroethene (total)		5	U	NA		5	U	5	U	NA		5	U
Chloroform		5	U	NA		5	U	5	U	NA		5	U
1,2-Dichloroethane		5	U	NA		5	U	5	U	NA		5	U
1,1,1-Trichloroethane		5	U	NA		5	U	5	U	NA		5	U
Carbon Tetrachloride		5	U	NA		5	U	5	U	NA		5	U
Bromodichloromethane		5	U	NA		5	U	5	U	NA		5	U
1,2-Dichloropropane		5	U	NA		5	U	5	U	NA		5	U
cis-1,3-Dichloropropene		5	U	NA		5	U	5	U	NA		5	U
Trichloroethene		5	U	NA		5	U	5	U	NA		5	U
Dibromochloromethane		5	U	NA		5	U	5	U	NA		5	U
1,1,2-Trichloroethane		5	U	NA		5	U	5	U	NA		5	U
Benzene		5	U	NA		5	U	5	U	NA		5	U
Trans-1,3-Dichloropropene		5	U	NA		5	U	5	U	NA		5	U
2-chloroethylvinylether		10	U	NA		10	U	10	U	NA		10	U
Bromoform		5	U	NA		5	U	5	U	NA		5	U
Tetrachloroethene		5	U	NA		5	U	5	U	NA		5	U
1,1,2,2-Tetrachloroethane		5	U	NA		5	U	5	U	NA		5	U
Toluene		5	U	NA		5	U	4	J	NA		5	U
Chlorobenzene		5	U	NA		5	U	5	U	NA		5	U
Ethylbenzene			E	2300		15			E	3700		31	
1,2-Dichlorobenzene		5	U	NA		5	U	5	U	NA		5	U
1,3-Dichlorobenzene		5	U	NA		5	U	5	U	NA		5	U

*= Outside of EPA CLP QC limits.

Cust ID:	L.E. CARPENT ER MW-1	L.E. CARPENT ER MW-1	L.E. CARPENT ER MW-2	L.E. CARPENT ER MW-3	L.E. CARPENT ER MW-3	L.E. CARPENT ER MW-4
RFW#:	001	001 DL	002	003	003 DL	004
1,4-Dichlorobenzene	5 U	NA	5 U	5 U	NA	5 U

*= Outside of EPA CLP QC limits.

Roy F. Weston, Inc. - Lionville Laboratory
Volatiles by GC/MS, Priority Pollutant List

RFW Batch Number: 9006L734 Client: WSI-LE CARPENTER Work Order: 3600-04-51-0000 Report Date: 07/09/90 15:26 Page: 2a

Sample Information	Cust ID:	L.E. CARPENT ER MW-5		L.E. CARPENT ER MW-5		L.E. CARPENT ER MW-5		L.E. CARPENT ER TRIP		VBLK		VBLK	
	RFW#:	005		005 MS		005 MSD		006		90LVP005-MB1		90LVP006-MB1	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	D.F.:	1.00		1.00		1.00		1.00		1.00		1.00	
	Units:	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Surrogate Recovery	Toluene-d8	105	%	100	%	103	%	99	%	108	%	102	%
	Bromofluorobenzene	104	%	102	%	103	%	101	%	109	%	104	%
	1,2-Dichloroethane-d4	95	%	111	%	111	%	91	%	89	%	105	%
			fl		fl		fl		fl		fl		fl
Chloromethane		10	U	10	U	10	U	10	U	10	U	10	U
Bromomethane		10	U	10	U	10	U	10	U	10	U	10	U
Vinyl Chloride		10	U	10	U	10	U	10	U	10	U	10	U
Chloroethane		10	U	10	U	10	U	10	U	10	U	10	U
Methylene Chloride		4	JB	5	B	5	B	3	JB	6		6	
1,1-Dichloroethene		5	U	87	%	83	%	5	U	5	U	5	U
1,1-Dichloroethane		5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethene (total)		5	U	5	U	5	U	5	U	5	U	5	U
Chloroform		5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethane		5	U	5	U	5	U	5	U	5	U	5	U
1,1,1-Trichloroethane		5	U	5	U	5	U	5	U	5	U	5	U
Carbon Tetrachloride		5	U	5	U	5	U	5	U	5	U	5	U
Bromodichloromethane		5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichloropropane		5	U	5	U	5	U	5	U	5	U	5	U
cis-1,3-Dichloropropene		5	U	5	U	5	U	5	U	5	U	5	U
Trichloroethene		5	U	78	%	88	%	5	U	5	U	5	U
Dibromochloromethane		5	U	5	U	5	U	5	U	5	U	5	U
1,1,2-Trichloroethane		5	U	5	U	5	U	5	U	5	U	5	U
Benzene		5	U	81	%	91	%	5	U	5	U	5	U
Trans-1,3-Dichloropropene		5	U	5	U	5	U	5	U	5	U	5	U
2-chloroethylvinylether		10	U	10	U	10	U	10	U	10	U	10	U
Bromoform		5	U	5	U	5	U	5	U	5	U	5	U
Tetrachloroethene		5	U	5	U	5	U	5	U	5	U	5	U
1,1,2,2-Tetrachloroethane		5	U	5	U	5	U	5	U	5	U	5	U
Toluene		5	U	83	%	94	%	5	U	5	U	5	U
Chlorobenzene		5	U	82	%	94	%	5	U	5	U	5	U
Ethylbenzene		5		5	U	5	U	9		5	U	5	U
1,2-Dichlorobenzene		5	U	5	U	5	U	5	U	5	U	5	U
1,3-Dichlorobenzene		5	U	5	U	5	U	5	U	5	U	5	U

*= Outside of EPA CLP QC limits.

Cust ID:	L.E. CARPENT	L.E. CARPENT	L.E. CARPENT	L.E. CARPENT	VBLK	VBLK
	ER MW-5	ER MW-5	ER MW-5	ER TRIP		
RFW#:	005	005 MS	005 MSD	006	90LVP005-MB1	90LVP006-MB1
1,4-Dichlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

CASE NARRATIVE

ROY F. WESTON, INC.
Lionville Laboratory

CLIENT: WSI-LE CARPENTER SAMPLES RECEIVED: 06-14-90
RFW # : 9006L734, GC/MS VOLATILE
W.O.# : 3600-04-51

NARRATIVE

The set of samples consisted of six (6) water samples collected on 06-13-90.

Samples were analyzed according to criteria set forth in CLP SOW 2-88 (revised 5-89) for Priority Pollutant Volatile target compounds on 06-19, 20-90.

The following is a summary of the QC results accompanying these sample results and a description of any problems encountered during their analysis:

1. Non-target compounds were detected in these samples.

2. Samples LE Carpenter MW1 and LE Carpenter MW3 required 100-fold dilutions because they contained high levels of target compounds.

3. Four (4) out of thirty-six (36) surrogate recoveries were outside of EPA QC limits. Samples with surrogate recoveries outside of EPA CLP QC limits were re-analyzed.

4. All matrix spike recoveries were within EPA CLP QC limits.

5. The laboratory blanks contained the common contaminants methylene chloride and acetone at levels less than 2x CRQL.

6. All Internal standard area and retention time criteria were met.

Jack R. Tuschall, Ph.D. 7-13-90
Date
Laboratory Manager
Lionville Analytical Laboratory

mem/wp/06-734gc.cn

WESTON

GLOSSARY OF VOA DATA

DATA QUALIFIERS

U = Compound was analyzed for but not detected. The associated numerical value is the estimated sample quantitation limit which is included and corrected for dilution and percent moisture.

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 indicate the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero; for example, if the limit of detection is 10 ug/L and a concentration of 3 ug/L is calculated, it is reported as 3J.

B = This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination. This flag is also used for a TIC as well as for a positively identified TCL compound.

E = Indicates that the compound was detected beyond the calibration range and was subsequently analyzed at a dilution.

I = Interference.

X = Additional qualifiers used as required are explained in the case narrative.

NQ = Result qualitatively confirmed but not able to quantify.

ABBREVIATIONS

BS = Indicates blank spike in which reagent grade water is spiked with the CLP matrix spiking solutions and carried through all the steps in the method. Spike recoveries are reported.

BSD = Indicates blank spike duplicate.

MS = Indicates matrix spike.

MSD = Indicates matrix spike duplicate.

DL = Indicates that surrogate recoveries were not obtained because the extract had to be diluted for analysis.

NA = Not applicable.

DF = Dilution factor.

NR = Not required.

II. QC SUMMARY

A. SURROGATE % RECOVERY SUMMARY
(FORM II)

B. MATRIX SPIKE
(FORM III)

C. REAGENT BLANK SUMMARY
(FORM IV)

D. GC/MS TUNING AND CALIBRATION STANDARD
(FORM V)

2A

WATER VOLATILE SURROGATE RECOVERY

Lab Name: Roy F. Weston, Inc. Contract: 3600-04-51-0000

Case No.: WSI-LE CARPENTER

RFW Lot No.: 9006L734

	CLIENT SAMPLE NO.	S1 (TOL)#	S2 (BFB)#	S3 (DCE)#	OTHER	TOT OUT
01	L.E. CARPENTER MW-1	100	116 *	96		1
02	L.E. CARPENTER MW-1DL	108	114	117 *		1
03	L.E. CARPENTER MW-2	108	108	103		0
04	L.E. CARPENTER MW-3	102	107	93		0
05	L.E. CARPENTER MW-3DL	111 *	114	115 *		2
06	L.E. CARPENTER MW-4	103	98	94		0
07	L.E. CARPENTER MW-5	105	104	95		0
08	L.E. CARPENTER MW-5MS	100	102	111		0
09	L.E. CARPENTER MW-5MSD	103	103	111		0
10	L.E. CARPENTER TRIP	99	101	91		0
11	VBLKLVP005-MB1	108	109	89		0
12	VBLKLVP006-MB1	102	104	105		0

	QC LIMITS
S1 (TOL) = Toluene-d8	(88-110)
S2 (BFB) = Bromofluorobenzene	(86-115)
S3 (DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogates diluted out

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Roy F. Weston, Inc. Contract: 3600-04-51-0000

Case No.: WSI-LE CARPENTER RFW Lot No.: 9006L734-005

MATRIX Spike - Sample No.: L.E. CARPENTER MW-5

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC
1,1-Dichloroethene	50.0	0	43.5	87	61-145
Trichloroethene	50.0	0	38.8	78	71-120
Benzene	50.0	0	40.5	81	76-127
Toluene	50.0	0	41.3	83	76-125
Chlorobenzene	50.0	0	40.9	82	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC
1,1-Dichloroethene	50.0	41.6	83	4	14	61-145
Trichloroethene	50.0	43.9	88	12	14	71-120
Benzene	50.0	45.5	91	11	11	76-127
Toluene	50.0	47.2	94	12	13	76-125
Chlorobenzene	50.0	47.0	94	13	13	75-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

Lab Name: Roy F. Weston, Inc. Contract: 3600-04-51-0000

Case No.: WSI-LE CARPENTER

Lab File ID: P061912 Lab Sample ID: 90LVP005-MB1

Date Analyzed: 06/19/90 Time Analyzed: 1958

Matrix:(Soil/Water) WATER Level:(low/med) LOW

Instrument ID: 1050P

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	L.E. CARPENTER MW-1	9006L734-001	P061916	2330
02	L.E. CARPENTER MW-2	9006L734-002	P061917	0021
03	L.E. CARPENTER MW-3	9006L734-003	P061918	0111
04	L.E. CARPENTER MW-4	9006L734-004	P061919	0202
05	L.E. CARPENTER MW-5	9006L734-005	P061920	0252
06	L.E. CARPENTER TRIP	9006L734-006	P061921	0343

COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

Lab Name: Roy F. Weston, Inc.

Contract: 3600-04-51-0000

Case No.: WSI-LE CARPENTER

Lab File ID: P062003

Lab Sample ID: 90LVP006-MB1

Date Analyzed: 06/20/90

Time Analyzed: 0848

Matrix:(Soil/Water) WATER

Level:(low/med) LOW

Instrument ID: 1050P

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	L.E. CARPENTER MW-5MS	9006L734-005S	P062004	1020
02	L.E. CARPENTER MW-5MSD	9006L734-005T	P062005	1110
03	L.E. CARPENTER MW-1DL	9006L734-001	P062006	1200
04	L.E. CARPENTER MW-3DL	9006L734-003	P062007	1250

COMMENTS:

5A

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: Roy F. Weston, Inc. Contract: 3600-04-51-0000

Case No.: WSI-LE CARPENTER

Lab File ID: P061901 BFB Injection Date: 06/19/90

Instrument ID: 1050P BFB Injection Time: 855

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.1
75	30.0 - 60.0% of mass 95	49.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.7
173	Less than 2.0% of mass 174	0.0(0.0)1
174	Greater than 50.0% of mass 95	73.7
175	5.0 - 9.0% of mass 174	5.1(7.0)1
176	Greater than 95.0% but less than 101.0% of mass 174	73.2(99.4)1
177	5.0 - 9.0% of mass 176	4.6(6.3)2

1-Value is % mass 174 2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD50	VSTD50	P061902	06/19/90	1045
02	VSTD200	VSTD200	P061905	06/19/90	1353
03	VSTD100	VSTD100	P061907	06/19/90	1526
04	VSTD150	VSTD150	P061908	06/19/90	1609
05	VSTD20	VSTD20	P061909	06/19/90	1650
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM V VOA

1/87 Rev.

5A

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: Roy F. Weston, Inc. Contract: 3600-04-51-0000

Case No.: WSI-LE CARPENTER

Lab File ID: P061910 BFB Injection Date: 06/19/90

Instrument ID: 1050P BFB Injection Time: 1807

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.0
75	30.0 - 60.0% of mass 95	46.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.8
173	Less than 2.0% of mass 174	0.2(0.22)1
174	Greater than 50.0% of mass 95	80.1
175	5.0 - 9.0% of mass 174	6.5(8.1)1
176	Greater than 95.0% but less than 101.0% of mass 174	79.1(98.7)1
177	5.0 - 9.0% of mass 176	5.8(7.3)2

1-Value is % mass 174 2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD50	VSTD50	P061911	06/19/90	1828
02	VBLKLVP005-MB1	90LVP005-MB1	P061912	06/19/90	1958
03	L.E. CARPENTER MW-1	9006L734-001	P061916	06/19/90	2330
04	L.E. CARPENTER MW-2	9006L734-002	P061917	06/20/90	0021
05	L.E. CARPENTER MW-3	9006L734-003	P061918	06/20/90	0111
06	L.E. CARPENTER MW-4	9006L734-004	P061919	06/20/90	0202
07	L.E. CARPENTER MW-5	9006L734-005	P061920	06/20/90	0252
08	L.E. CARPENTER TRIP	9006L734-006	P061921	06/20/90	0343
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

5A

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: Roy F. Weston, Inc. Contract: 3600-04-51-0000

Case No.: WSI-LE CARPENTER

Lab File ID: P062001 BFB Injection Date: 06/20/90

Instrument ID: 1050P BFB Injection Time: 711

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.2
75	30.0 - 60.0% of mass 95	39.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.3(0.37)1
174	Greater than 50.0% of mass 95	92.3
175	5.0 - 9.0% of mass 174	6.2(6.7)1
176	Greater than 95.0% but less than 101.0% of mass 174	90.6(98.2)1
177	5.0 - 9.0% of mass 176	5.9(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD50	VSTD50	P062002	06/20/90	0729
02	VBLKLVP006-MB1	90LVP006-MB1	P062003	06/20/90	0848
03	L.E. CARPENTER MW-5MS	9006L734-005S	P062004	06/20/90	1020
04	L.E. CARPENTER MW-5MSD	9006L734-005T	P062005	06/20/90	1110
05	L.E. CARPENTER MW-1DL	9006L734-001	P062006	06/20/90	1200
06	L.E. CARPENTER MW-3DL	9006L734-003	P062007	06/20/90	1250
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

III. SAMPLE DATA PACKAGE

A. SAMPLE DATA IN ORDER OF ANALYSIS

1. TABULATED RESULTS
   (FORM I)

2. TENTATIVELY IDENTIFIED COMPOUND
   (FORM 1B)

3. RAW DATA IN ORDER:

   a. RECONSTRUCTED ION CHROMATOGRAM(S)
   b. QUANTITATION REPORT(S)
   c. HSL MASS SPECTRA
   d. TIC MASS SPECTRA
   e. GC/MS LIBRARY SEARCH FOR TIC

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO. 20

L.E. CARPENTER MW-1

Lab Name: Roy F. Weston, Inc. Work Order: 3600-04-51-0000

Client: WSI-LE CARPENTER

Matrix: WATER Lab Sample ID: 9006L734-001

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P061916

Level: (low/med) LOW Date Received: 06/14/90

% Moisture: not dec. _____ Date Analyzed: 06/19/90

Column: (pack/cap) PACK Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	JB
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
110-75-8	2-chloroethylvinylether	10	U
75-25-2	Bromoform	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene		E
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO. 21

L.E. CARPENTER MW-1

Lab Name: Roy F. Weston, Inc. Work Order: 3600-04-51-0000

Client: WSI-LE CARPENTER

Matrix: WATER

Lab Sample ID: 9006L734-001

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: P061916

Level: (low/med) LOW

Date Received: 06/14/90

% Moisture: not dec. ____

Date Analyzed: 06/19/90

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CYCLO ALKANE	9.40	40	J
2.	CYCLOALKANE	10.33	50	J
3.	C6-C9 METHYLALKANE	12.67	10	J
4.	METHYL-HEXANOL	13.07	10	J
5.	UNKNOWN	15.80	30	J
6.	UNKNOWN	17.83	20	J
7.	DIMETHYL-3-HEXENE	20.80	10	J
8.	XYLENES (TOTAL)	25.80	14000	CE
9.	ETHYL-METHYL-BENZENE	30.97	300	J
10.	ETHYL-METHYL-BENZENE	32.00	100	J

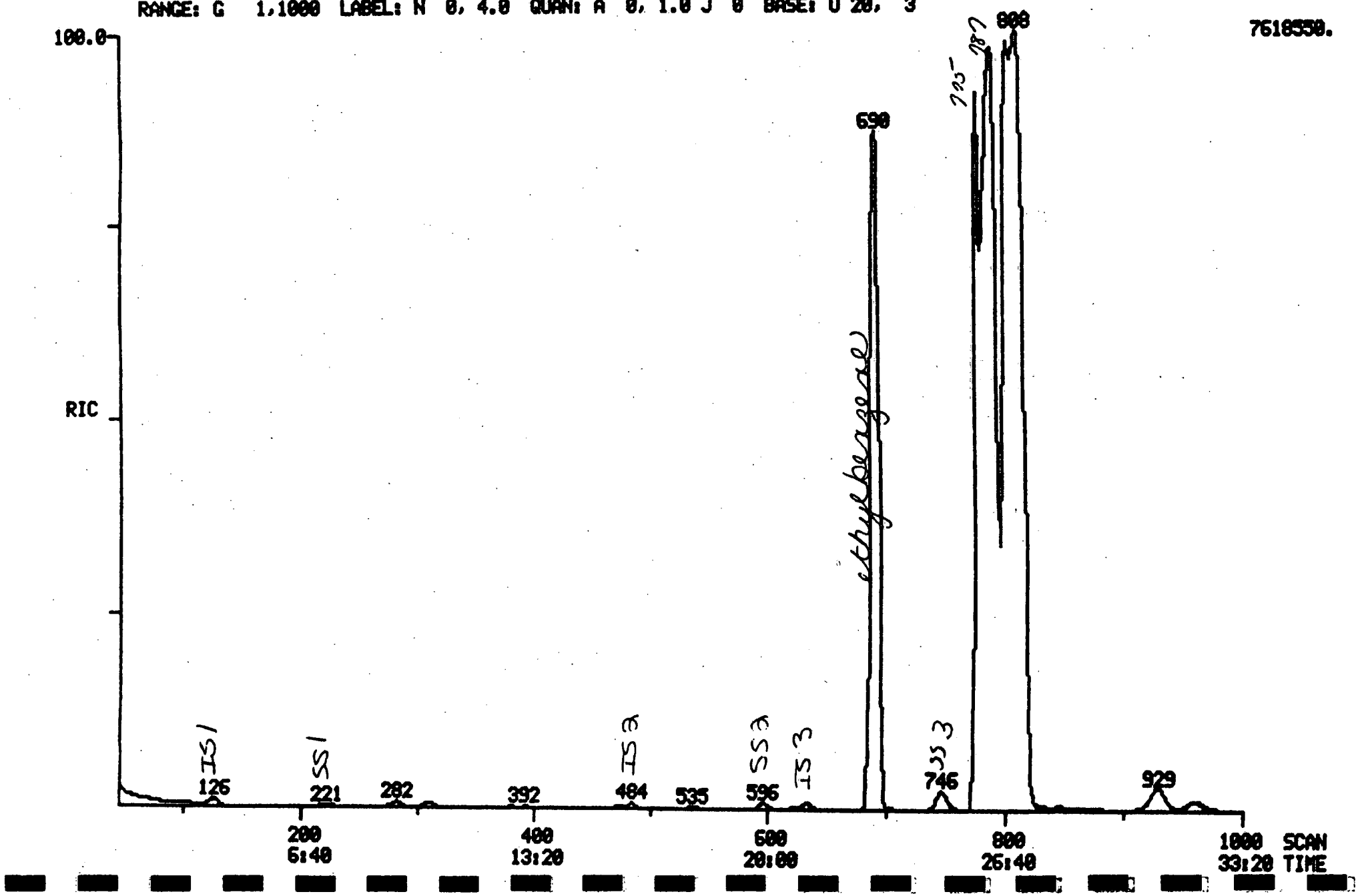
C: Response Factor from daily standard.

22

RIC
06/19/90 23:30:00
SAMPLE: 9006L734-001 WESTON SERVICE
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: P061916 #1
CALI: P061916 #2

SCANS 45 TO 1000



Quantitation Report File: P061916

Data: P061916.TI
06/19/90 23:30:00
Sample: 9006L734-001 WESTON SERVICE
Conds.: GC#1/1050P
Formula: P061910 Instrument: 1050P Weight: 0.003
Submitted by: P061910 Analyst: JT Acct. No.: 061990

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	IS1	BROMOCHLOROMETHANE
2	SS1	1,2-DICHLOROETHANE D4
3	45V	CHLOROMETHANE
4	46V	BROMOMETHANE
5	88V	VINYL CHLORIDE
6	16V	CHLOROETHANE
7	44V	METHYLENE CHLORIDE
8	13H	ACETONE
9	15H	CARBON DISULFIDE
10	29V	1,1-DICHLOROETHYLENE
11	13V	1,1-DICHLOROETHANE
12		1,2-DICHLOROETHENE (TOTAL)
13	23V	CHLOROFORM
14	10V	1,2-DICHLOROETHANE
15	IS2	1,4-DIFLUOROBENZENE
16	14H	2-BUTANONE
17	11V	1,1,1-TRICHLOROETHANE
18	6V	CARBON TETRACHLORIDE
19	19H	VINYL ACETATE
20	48V	BROMODICHLOROMETHANE
21	32V	1,2-DICHLOROPROPANE
22	33VC	CIS-1,3-DICHLOROPROPENE
23		TRICHLOROETHYLENE
24	51V	DIBROMOCHLOROMETHANE
25	14V	1,1,2-TRICHLOROETHANE
26	4V	BENZENE
27	33VT	TRANS-1,3-DICHLOROPROPENE
28	19V	2-CHLOROETHYL VINYL ETHER
29	47V	BROMOFORM
30	IS3	CHLOROBENZENE D5
31	SS2	TOLUENE D8
32	SS3	4-BROMOFLUOROBENZENE
33	17H	4-METHYL-2-PENTANONE
34	16H	2-HEXANONE
35	85V	TETRACHLOROETHYLENE
36	15V	1,1,2,2-TETRACHLOROETHANE
37	86V	TOLUENE
38	7V	CHLOROBENZENE
39	38V	ETHYLBENZENE
40	18H	STYRENE
41	20H	XYLENES (TOTAL)
42	26B	1,3-DICHLOROBENZENE
43	25B	1,2-DICHLOROBENZENE
44	27B	1,4-DICLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	126	4:12	1	1.000	A BB	57842.	50.000	UG/L	0.36
2	65	221	7:22	1	1.754	A BB	67495.	47.836	UG/L	0.35
3	50	31	1:02	1	0.246	A BB	1897.	2.317	UG/L	0.02
4	NOT	FOUND								
5	NOT	FOUND								
6	NOT	FOUND								
7	84	69	2:18	1	0.548	A BB	4730.	2.668	UG/L	0.02
8	43	71	2:22	1	0.563	A BB	3936.	6.151	UG/L	0.04
9	76	94	3:08	1	0.746	A BB	1882.	0.872	UG/L	0.01
10	96	112	3:44	1	0.889	A BB	342.	0.270	UG/L	0.00
11	NOT	FOUND								
12	96	169	5:38	1	1.341	A BB	206.	0.150	UG/L	0.00
13	NOT	FOUND								
14	NOT	FOUND								
15	114	484	16:08	15	1.000	A BB	113281.	50.000	UG/L	0.36
16	72	219	7:18	15	0.452	A BB	834.	3.279	UG/L	0.02
17	NOT	FOUND								
18	NOT	FOUND								
19	43	296	9:52	15	0.612	A BB	526.	0.209	UG/L	0.00
20	83	312	10:24	15	0.645	A BB	443.	0.198	UG/L	0.00
21	NOT	FOUND								
22	NOT	FOUND								
23	130	385	12:50	15	0.795	A BB	735.	0.673	UG/L	0.00
24	NOT	FOUND								
25	NOT	FOUND								
26	78	398	13:16	15	0.822	A BB	1138.	0.481	UG/L	0.00
27	NOT	FOUND								
28	NOT	FOUND								
29	NOT	FOUND								
30	117	633	21:06	30	1.000	A BB	112655.	50.000	UG/L	0.36
31	98	596	19:52	30	0.942	A BB	147850.	50.143	UG/L	0.37
32	95	750	25:00	30	1.185	A BB	106602.	57.983	UG/L	0.42
33	43	505	16:50	30	0.798	A BB	7681.	6.684	UG/L	0.05
34	43	557	18:34	30	0.880	A VB	5210.	5.317	UG/L	0.04
35	164	565	18:50	30	0.893	A BB	700.	0.660	UG/L	0.00
36	83	567	18:54	30	0.896	A BV	1167.	0.723	UG/L	0.01
37	92	602	20:04	30	0.951	A BB	12040.	6.532	UG/L	0.05
38	112	637	21:14	30	1.006	A VB	8409.	3.652	UG/L	0.03
39	106	691	23:02	30	1.092	A BB	6298630.	5787.860	UG/L	42.24
40	NOT	FOUND								
41	106	814	27:08	30	1.286	A BB	8151610.	7567.440	UG/L	55.23
42	NOT	FOUND								
43	NOT	FOUND								
44	NOT	FOUND								

xylenes

$$\frac{7299510 + 8151610}{8151610} \times 7567.44 = 14{,}343.8$$

Quantitation Report File: 1916TIC

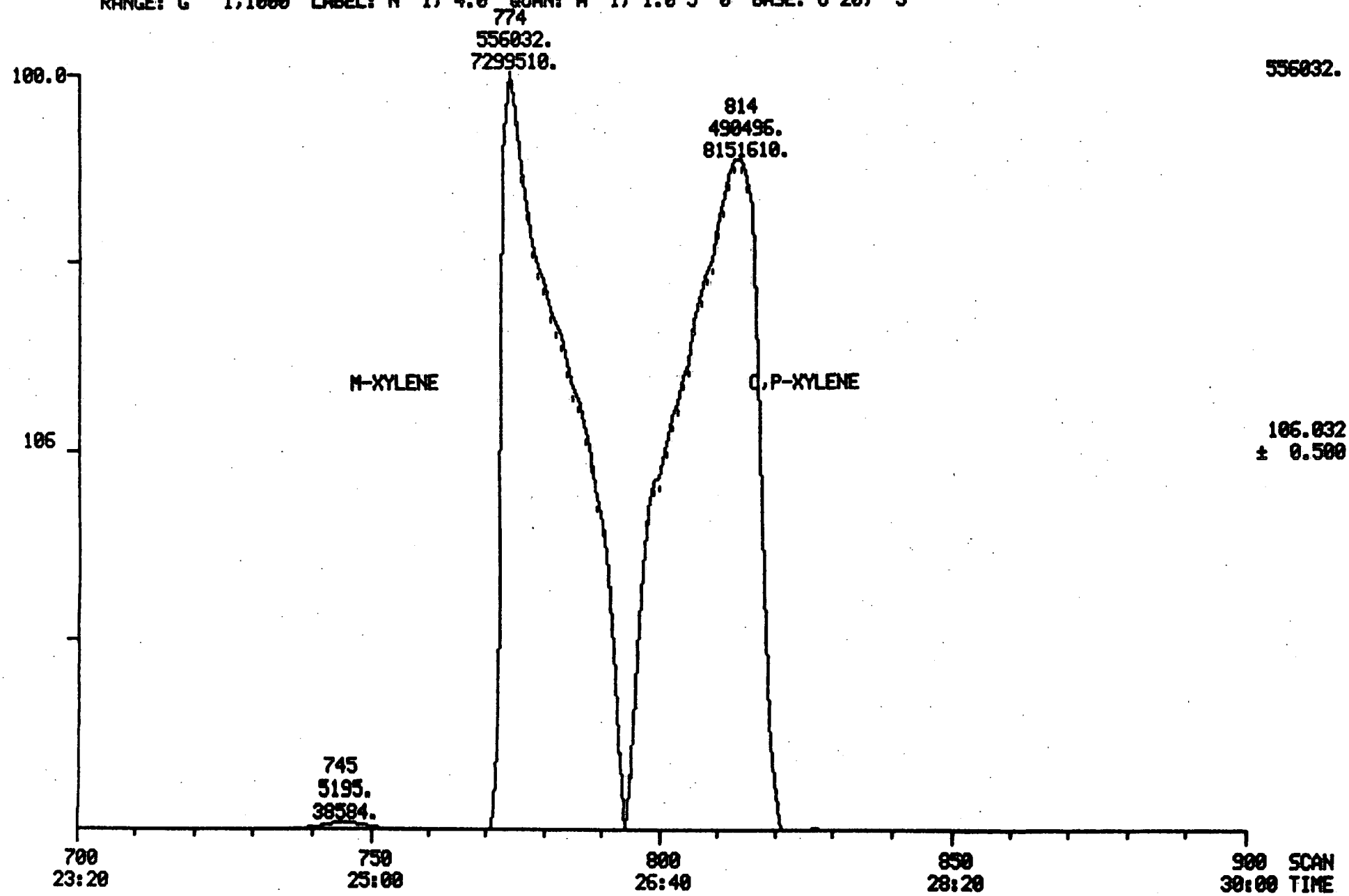
Data: P061916.TI
06/19/90 23:30:00
Sample: 9006L734-001 WESTON SERVICE
Conds.: GC#1/1050P
Formula: P061910 Instrument: 1050P Weight: 0.003
Submitted by: P061910 Analyst: JT Acct. No.: 061990

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	IS1 BROMOCHLOROMETHANE
2	UNKNOWN
3	UNKNOWN
4	UNKNOWN
5	UNKNOWN
6	UNKNOWN
7	IS2 1,4-DIFLUOROBENZENE
8	UNKNOWN
9	UNKNOWN
10	IS3 CHLOROBENZENE D5
11	UNKNOWN
12	UNKNOWN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot	
1	RIC	126	4:12	1	1.000	A BB	539688.	50.000	UG/L	14.47	
2	RIC	282	9:24	11	0.304	A BB	447736.	17.533		5.07	41.48
3	RIC	310	10:20	11	0.334	A BB	361499.	14.156		4.10	54.68
4	RIC	380	12:40	11	0.409	A BV	81470.	3.190		0.92	12.32
5	RIC	392	13:04	11	0.422	A VB	85880.	3.363		0.97	12.99
6	RIC	474	15:48	11	0.510	A BV	227432.	8.906		2.58	34.4
7	RIC	484	16:08	7	1.000	A VB	330572.	50.000	UG/L	14.47	
8	RIC	535	17:50	11	0.576	A BB	147600.	5.780		1.67	22.32
9	RIC	624	20:48	11	0.672	A BV	124336.	4.869		1.41	13.08
10	RIC	634	21:08	10	1.000	A VB	475376.	50.000	UG/L	14.47	
11	RIC	929	30:58	11	1.000	A BB	2553720.	100.000		28.94	268.6
12	RIC	960	32:00	11	1.033	A BB	963776.	37.740		10.92	101.37

MASS CHROMATOGRAM DATA: P061916 #1 SCANS 700 TO 900
06/19/90 23:30:00 CALI: P061916 #2
SAMPLE: 9006L734-001 WESTON SERVICE
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

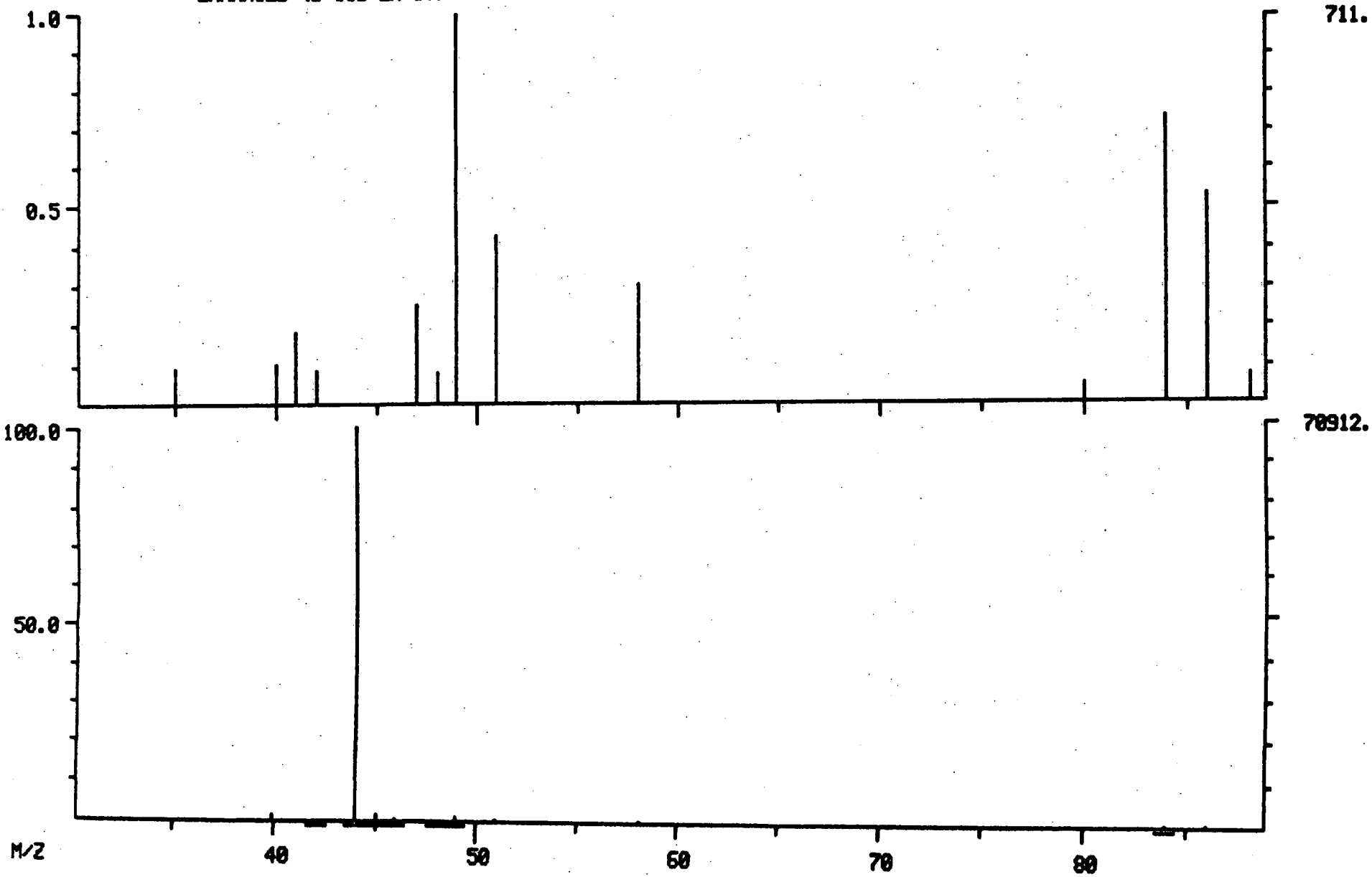


27

DUAL MASS SPECTRUM
06/19/90 23:30:00 + 2:18
SAMPLE: 9006L734-001 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061916 #69
CALI: P061916 #2

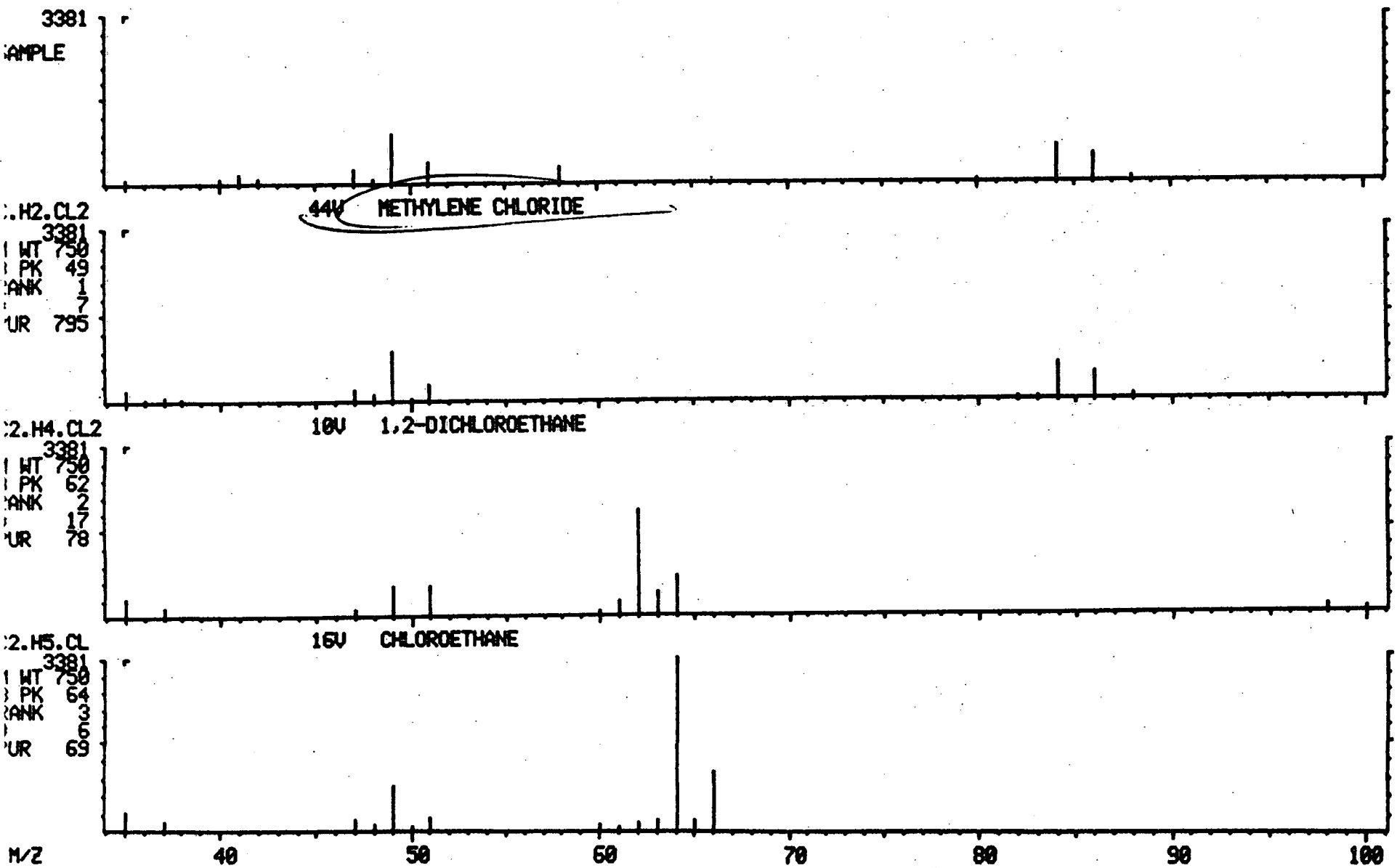
BASE M/Z: 49/ 44
RIC: 2803./ 77183.



LIBRARY SEARCH
06/19/90 23:30:00 + 2:18
SAMPLE: 9006L734-001 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061916 # 69
CALI: P061916 # 2

BASE M/Z: 49
RIC: 2803.

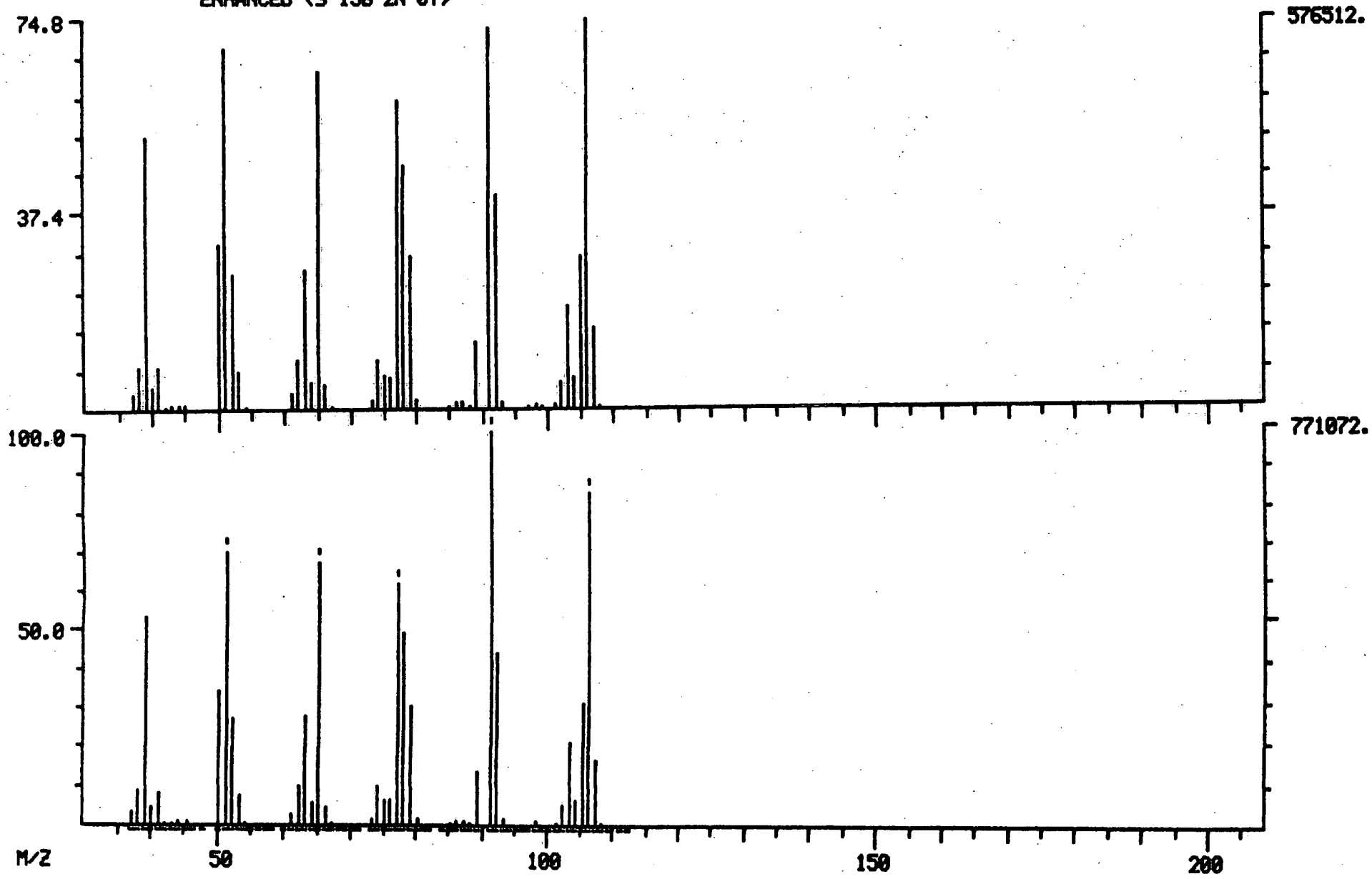


29

DUAL MASS SPECTRUM
06/19/90 23:30:00 + 23:02
SAMPLE: 9006L734-001 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061916 #691
CALI: P061916 #2

BASE M/Z: 106/ 91
RIC: 5980150./ 6438910.

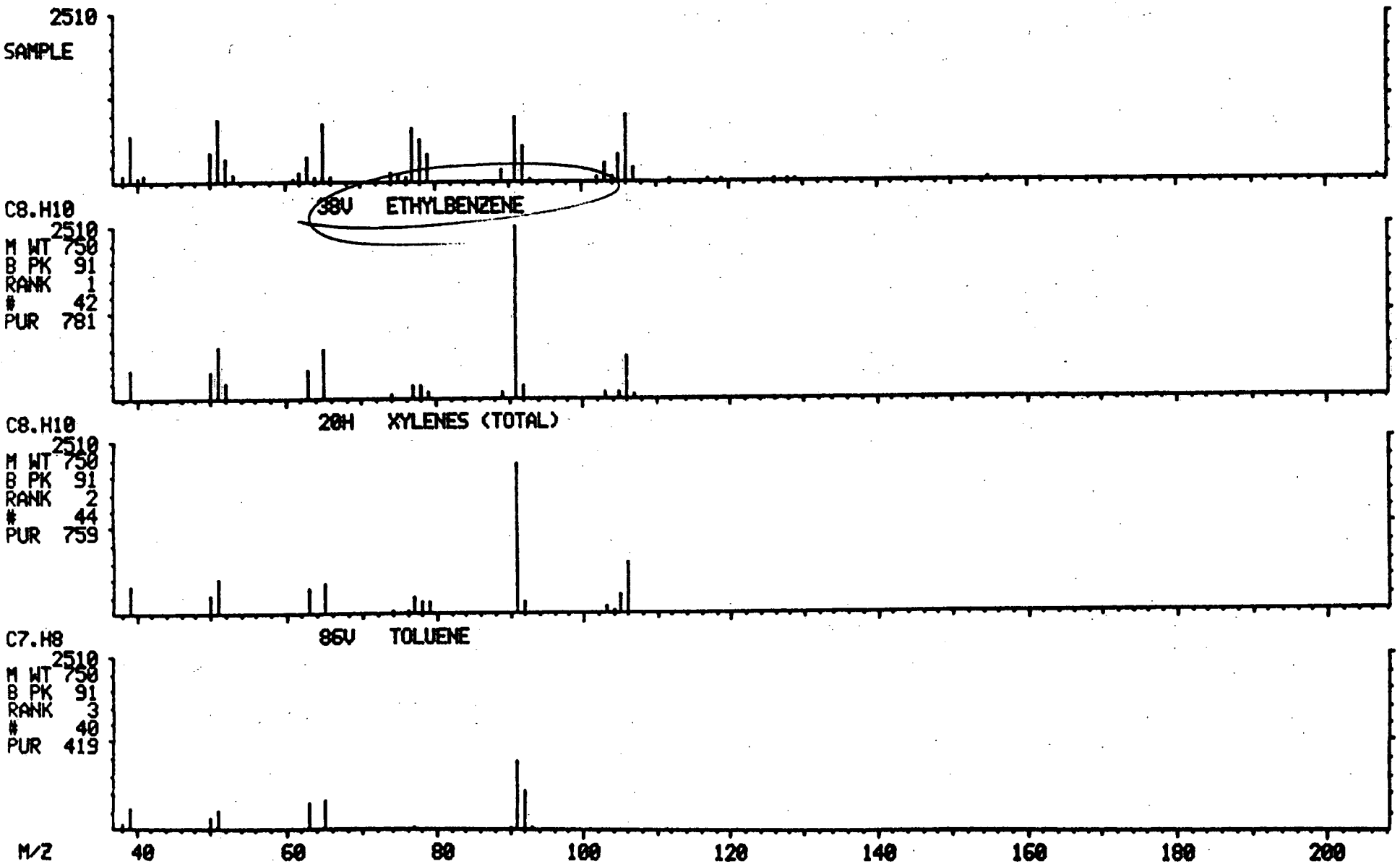


30

LIBRARY SEARCH
06/19/90 23:30:00 + 23:02
SAMPLE: 9006L734-001 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061916 # 691
CALI: P061916 # 2

BASE M/Z: 106
RIC: 5849080.

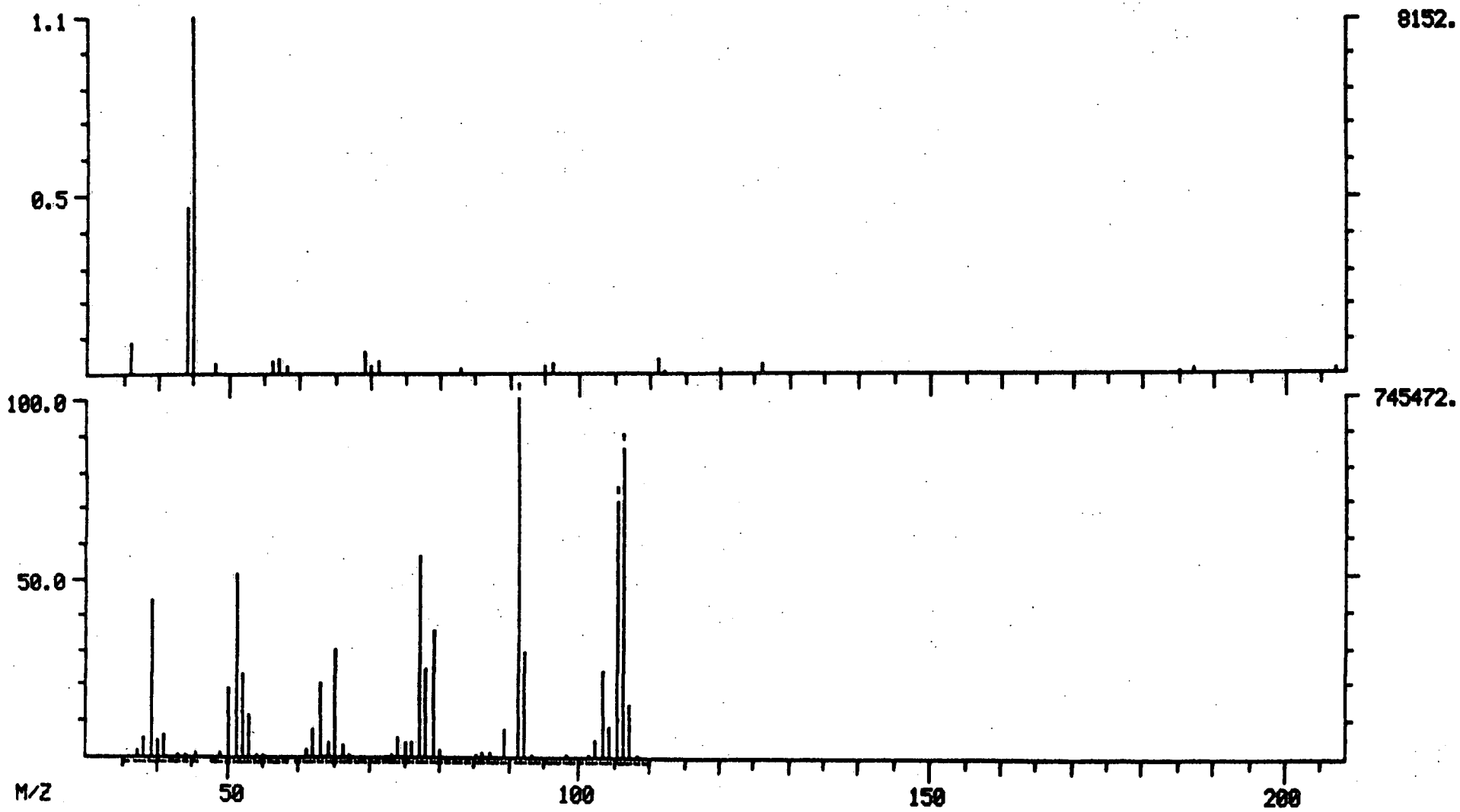


31

DUAL MASS SPECTRUM
06/19/90 23:30:00 + 27:08
SAMPLE: 9006L734-001 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061916 #814
CALI: P061916 #2

BASE M/Z: 45/ 91
RIC: 15903./ 5406710.

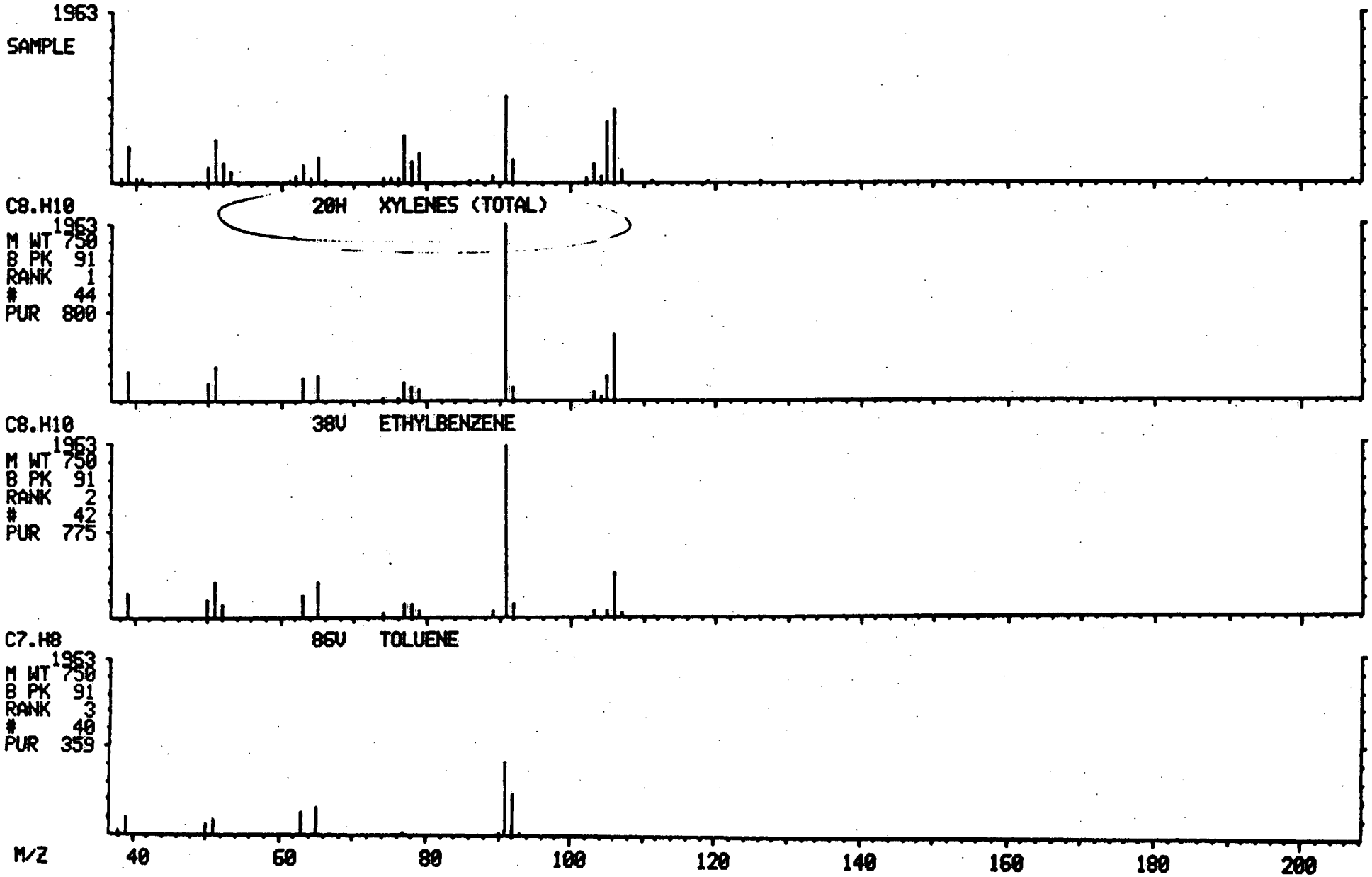


32

LIBRARY SEARCH
06/19/90 23:30:00 + 27:08
SAMPLE: 9006L734-001 WESTON SERVICE
CONDS.: GC#1/1050P

DATA: P061916 # 814
CALI: P061916 # 2

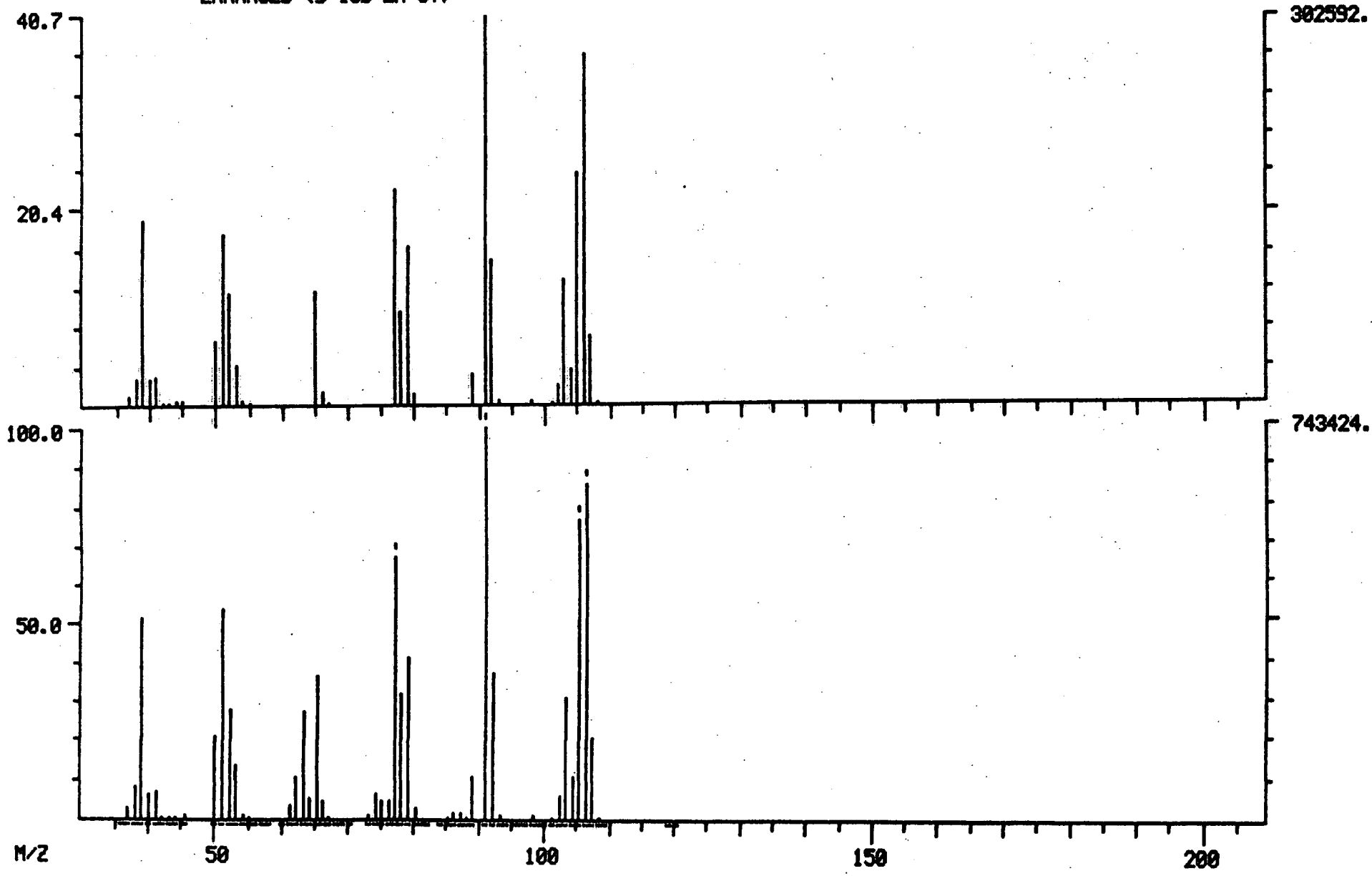
BASE M/Z: 91
RIC: 5283830.



DUAL MASS SPECTRUM
06/19/90 23:30:00 + 25:48
SAMPLE: 9006L734-001 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061916 #774
CALI: P061916 #2

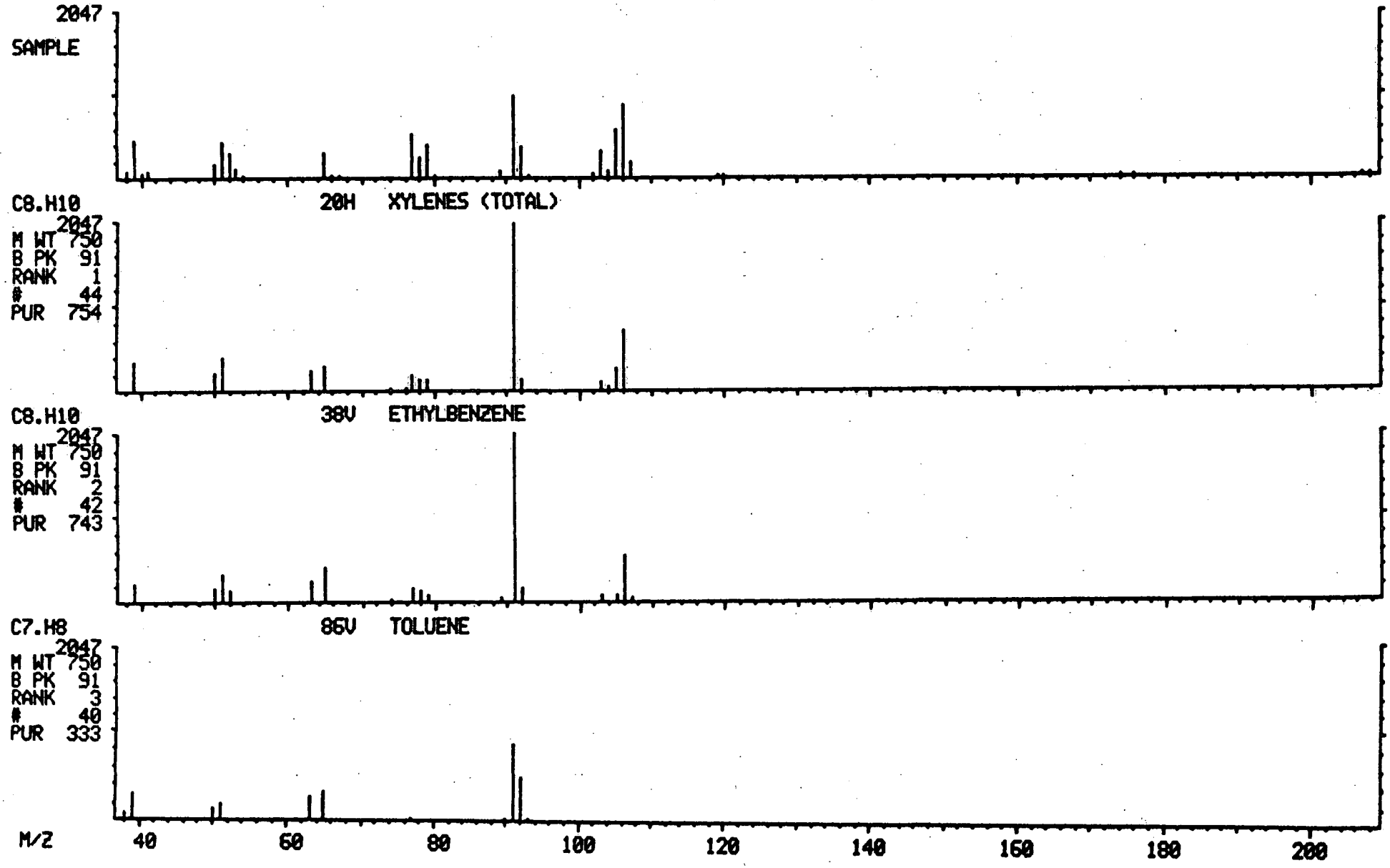
BASE M/Z: 91/ 91
RIC: 2109430./ 6160380.



LIBRARY SEARCH
06/19/90 23:30:00 + 25:48
SAMPLE: 9006L734-001 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061916 # 774
CALI: P061916 # 2

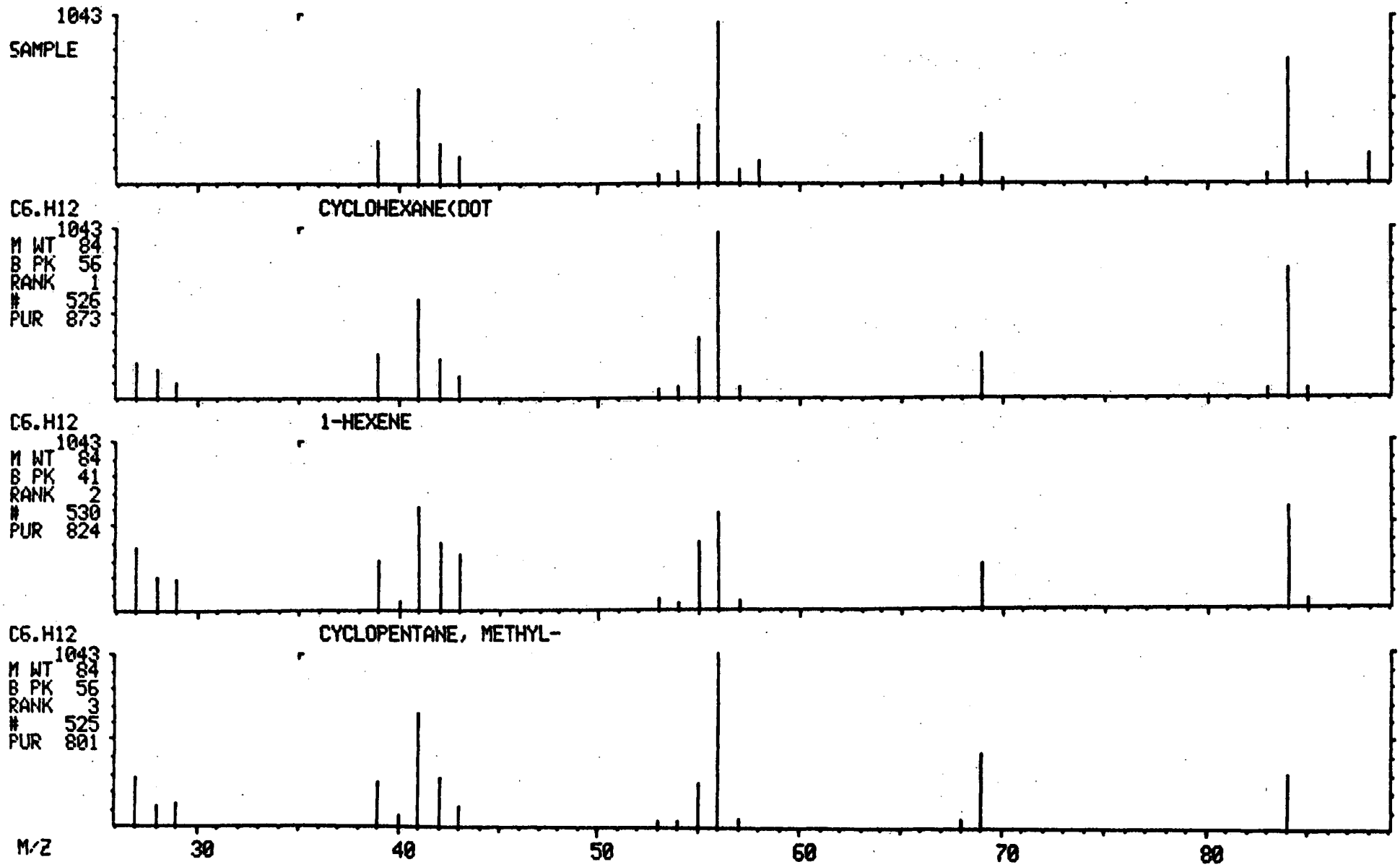
BASE M/Z: 91
RIC: 2080760.



LIBRARY SEARCH
06/19/90 23:30:00 + 9:24
SAMPLE: 9006L734-001 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061916 # 282
CALI: P061916 # 2

BASE M/Z: 56
RIC: 36991.

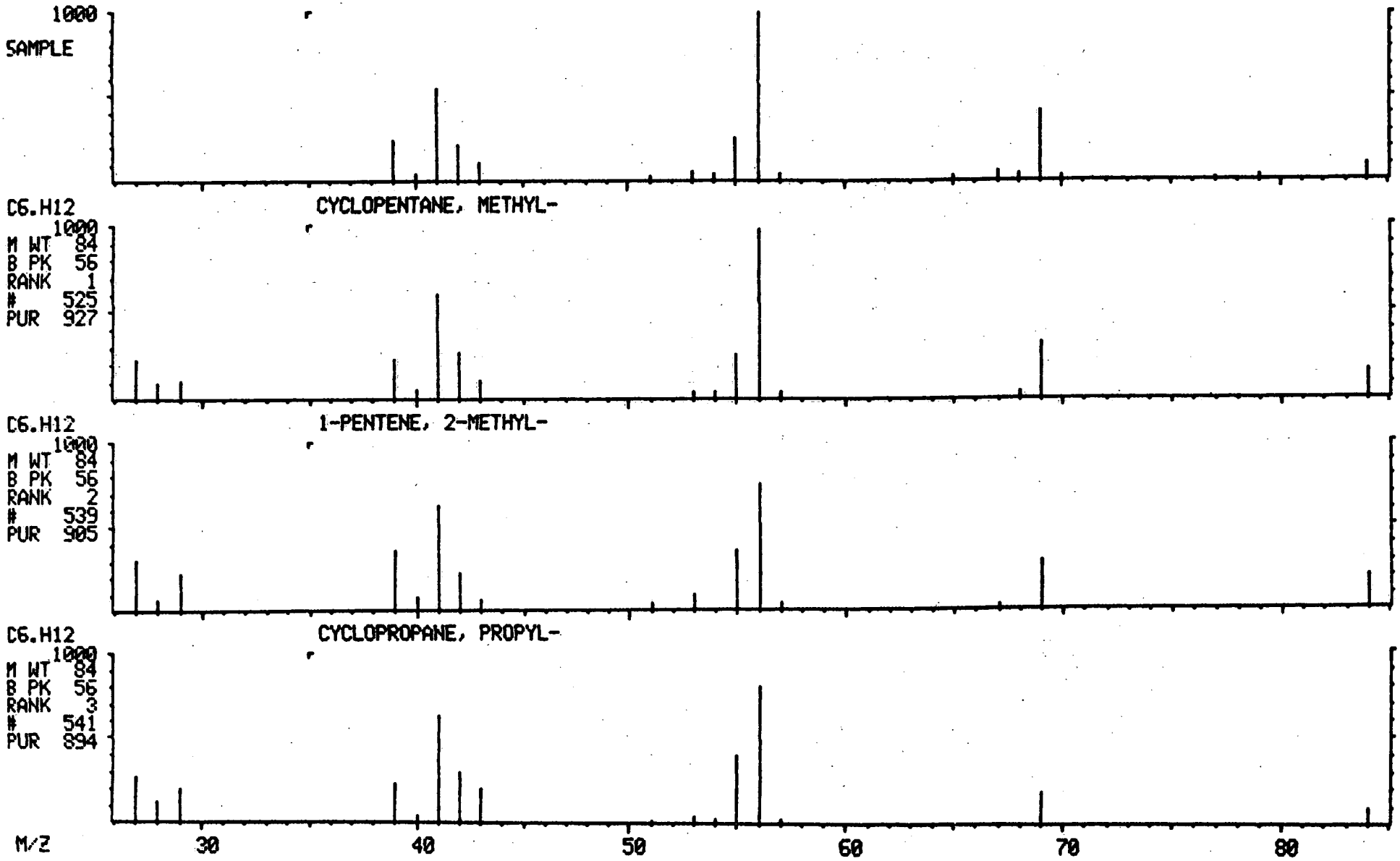


36

LIBRARY SEARCH
06/19/90 23:30:00 + 10:20
SAMPLE: 9006L734-001 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061916 # 310
CALI: P061916 # 2

BASE M/Z: 56
RIC: 39103.

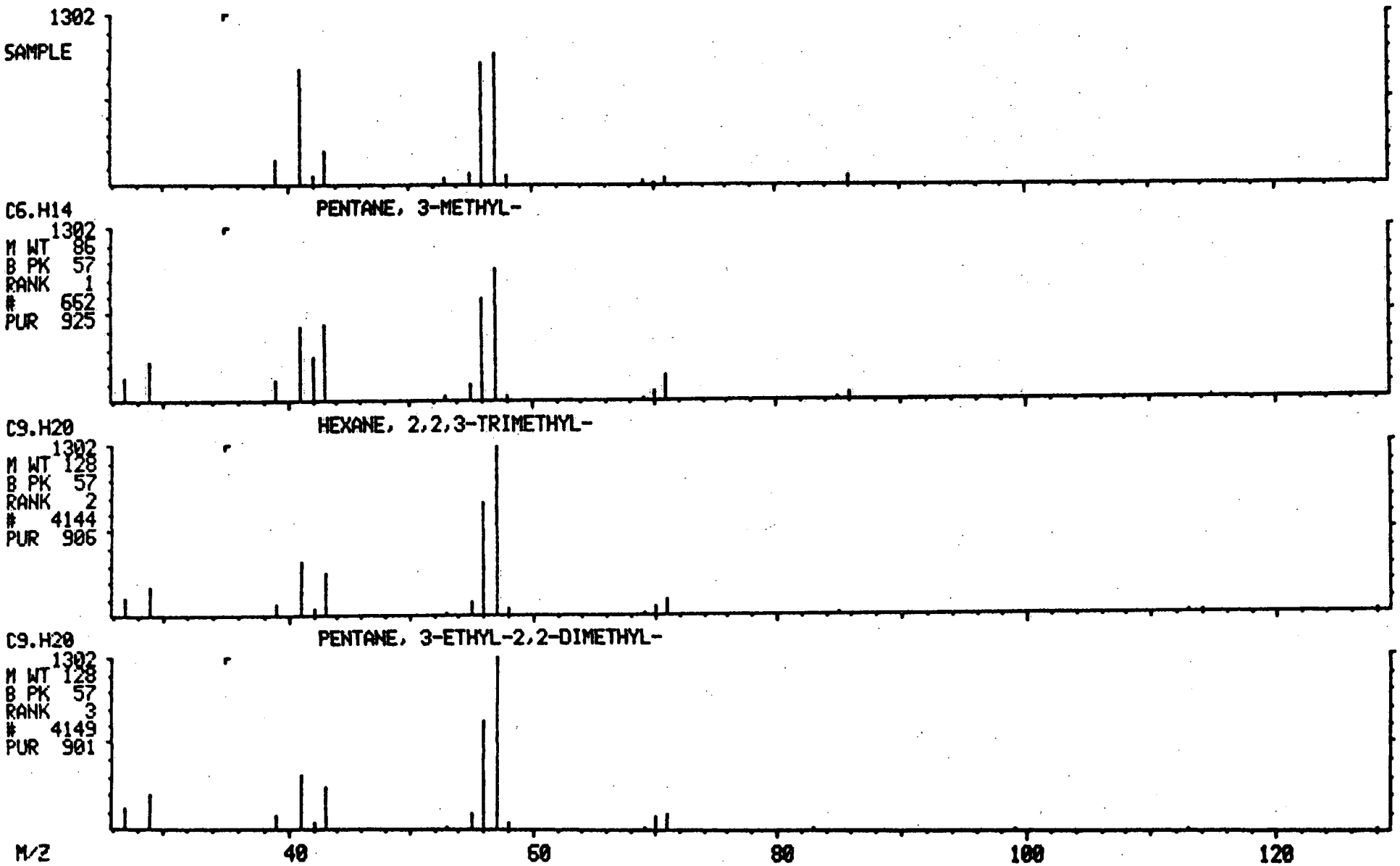


37

LIBRARY SEARCH
06/19/90 23:30:00 + 12:40
SAMPLE: 9006L734-001 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061916 # 380
CALI: P061916 # 2

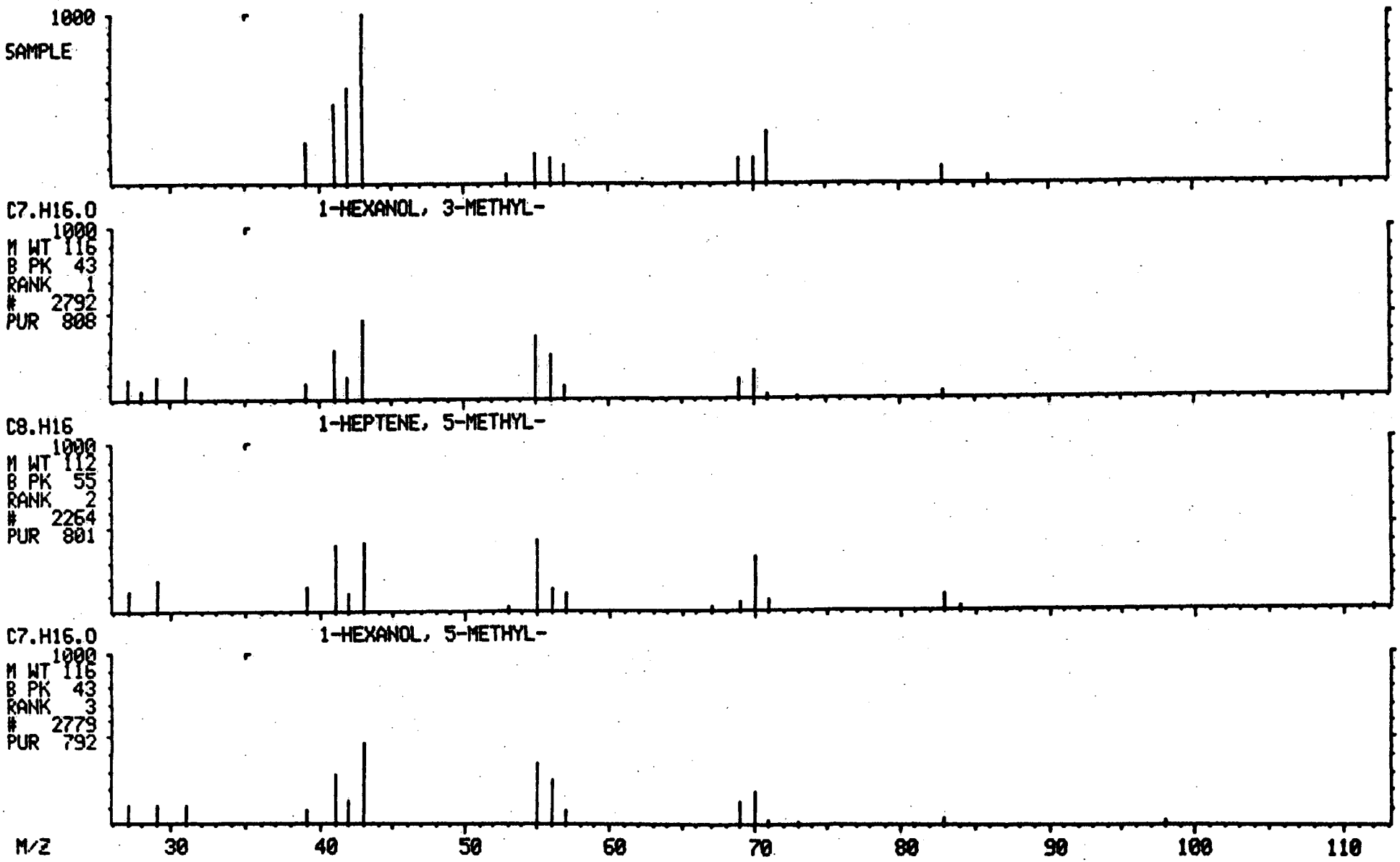
BASE M/Z: 57
RIC: 9679.



LIBRARY SEARCH
06/19/90 23:30:00 + 13:04
SAMPLE: 9006L734-001 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061916 # 392
CALI: P061916 # 2

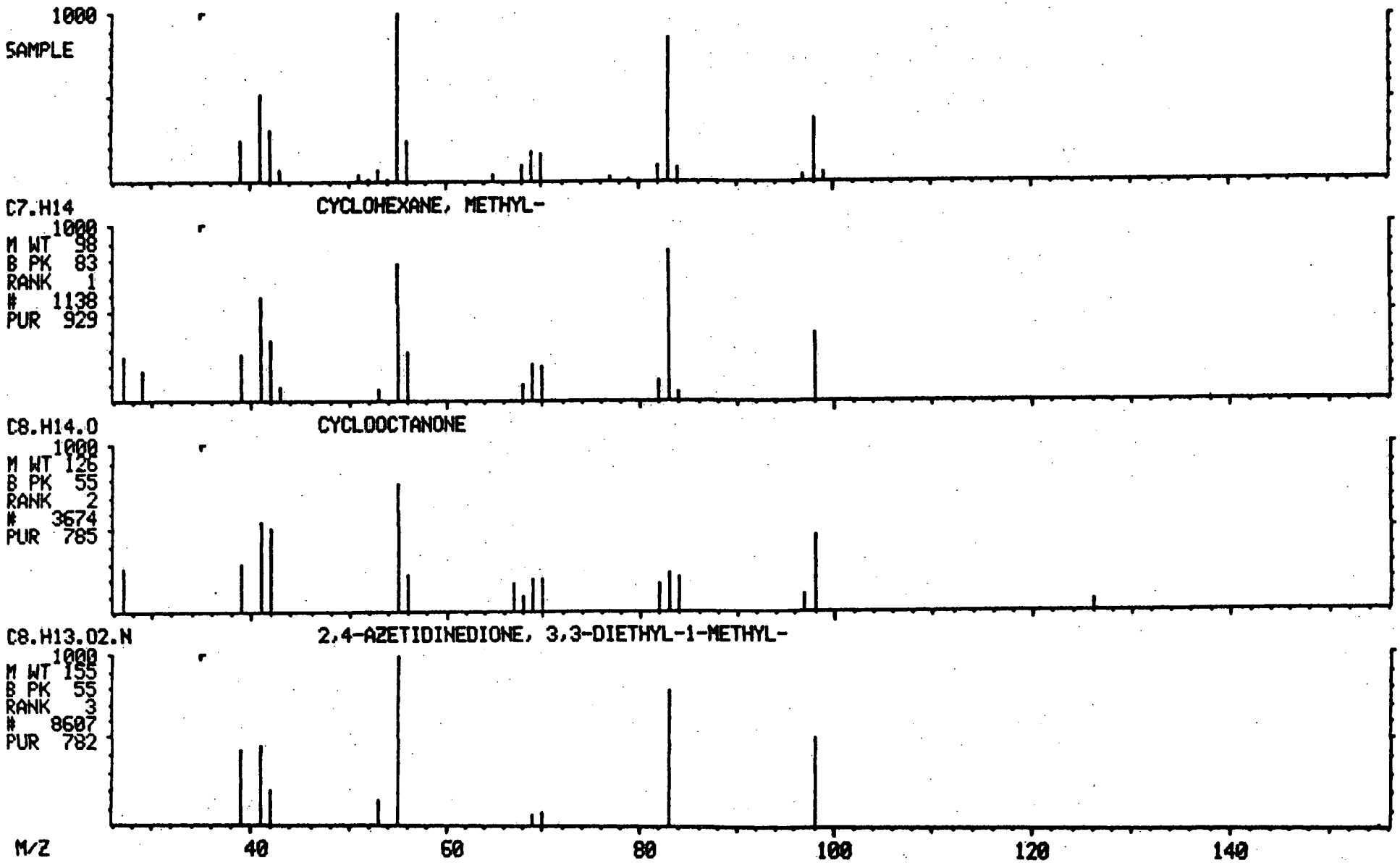
BASE M/Z: 43
RIC: 9615.



LIBRARY SEARCH
06/19/90 23:30:00 + 15:48
SAMPLE: 9006L734-001 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061916 # 474
CALI: P061916 # 2

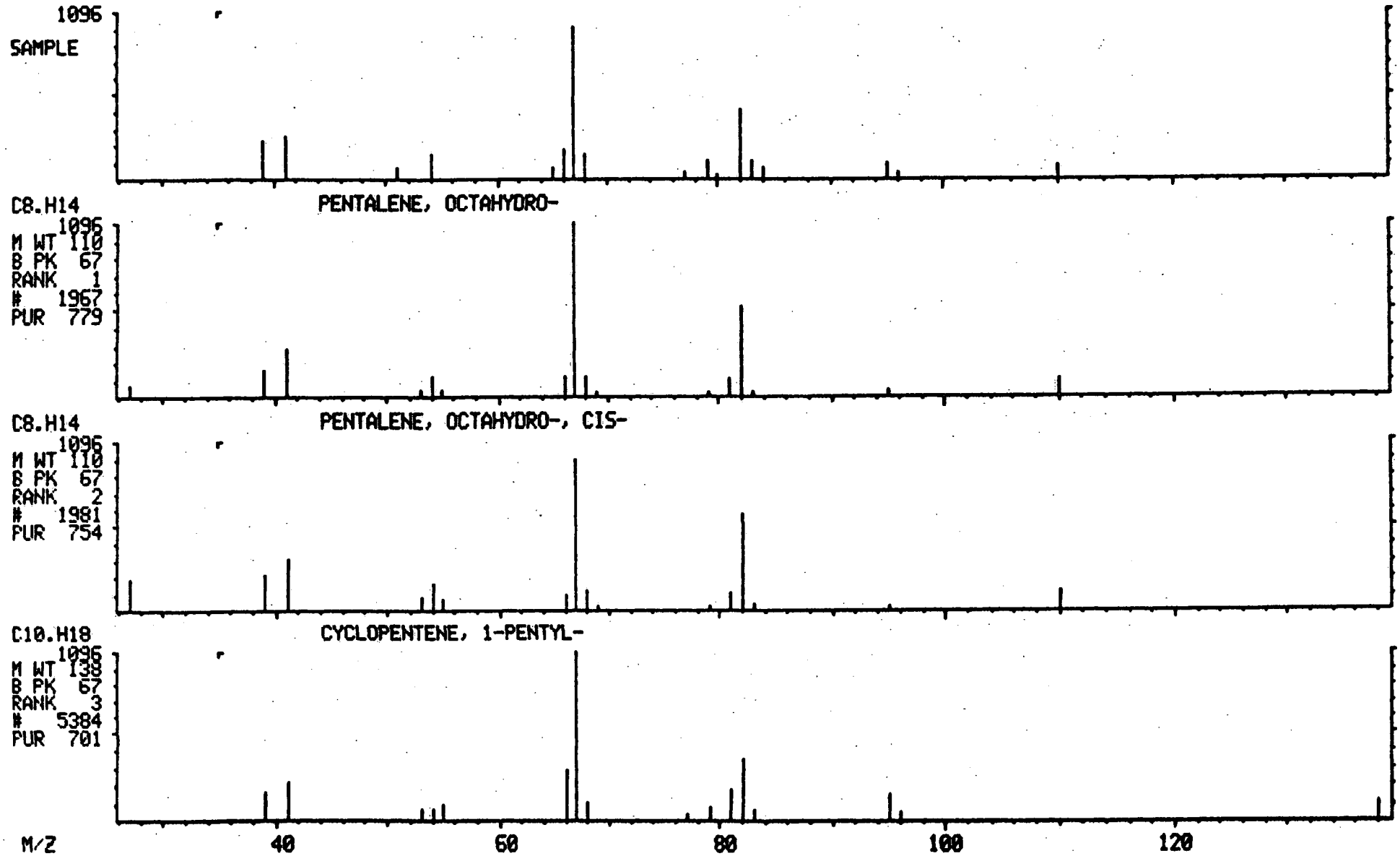
BASE M/Z: 55
RIC: 16799.



LIBRARY SEARCH
06/19/90 23:30:00 + 17:50
SAMPLE: 9006L734-001 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061916 # 535
CALI: P061916 # 2

BASE M/Z: 67
RIC: 5903.

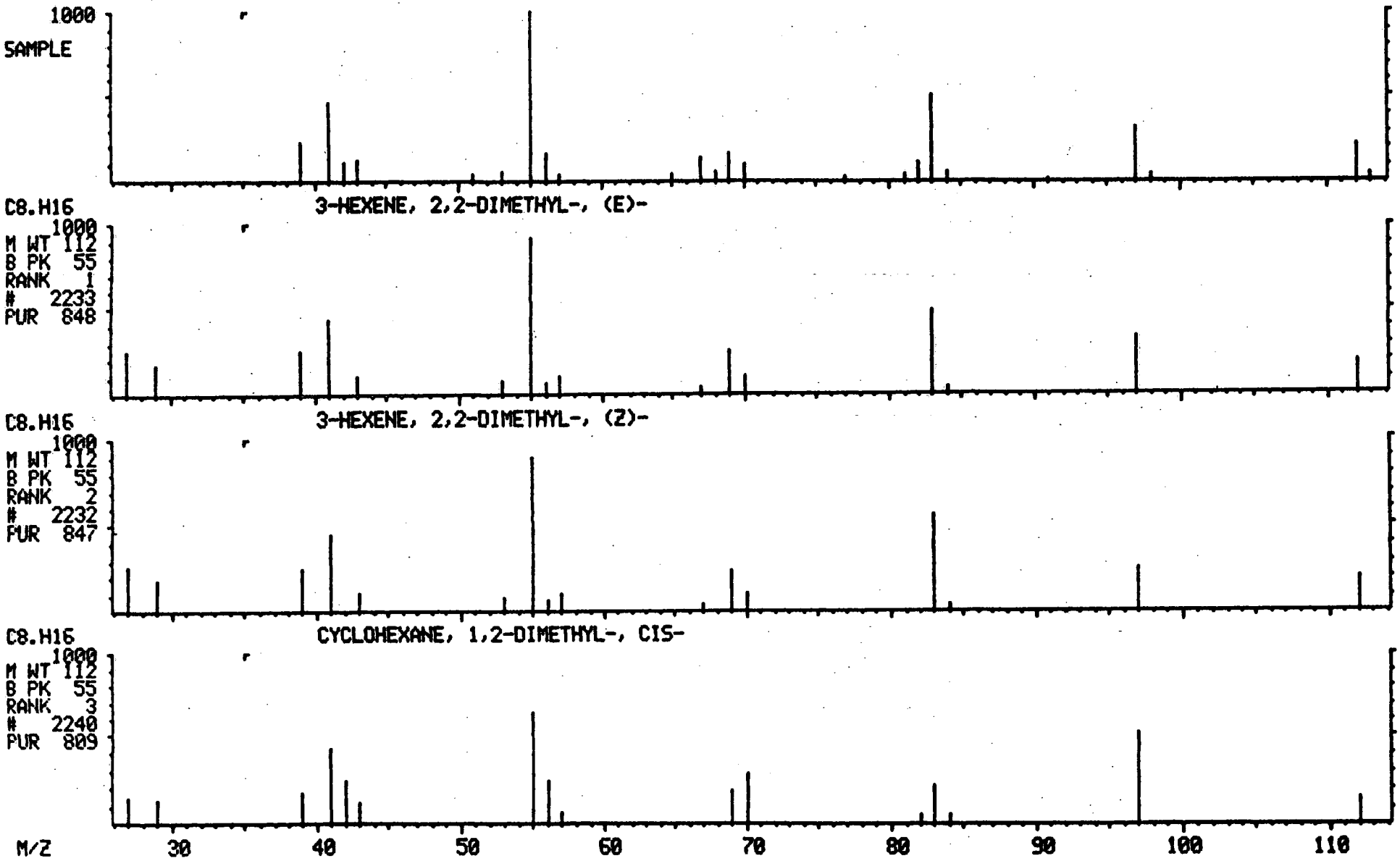


41

LIBRARY SEARCH
06/19/90 23:30:00 + 20:48
SAMPLE: 9006L734-001 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061916 # 624
CALI: P061916 # 2

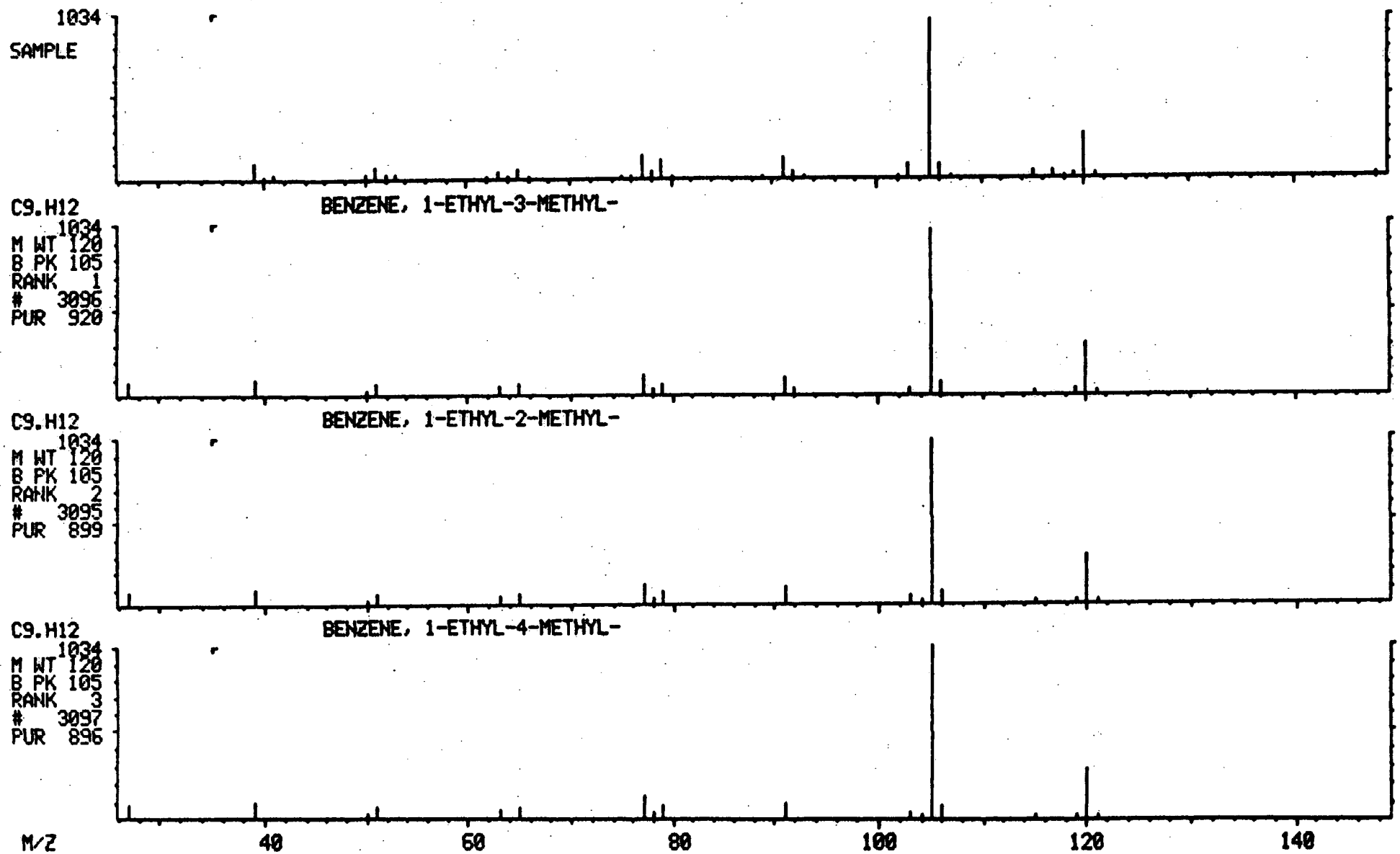
BASE M/Z: 55
RIC: 15359.



LIBRARY SEARCH
06/19/90 23:30:00 + 30:58
SAMPLE: 9006L734-001 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061916 # 929
CALI: P061916 # 2

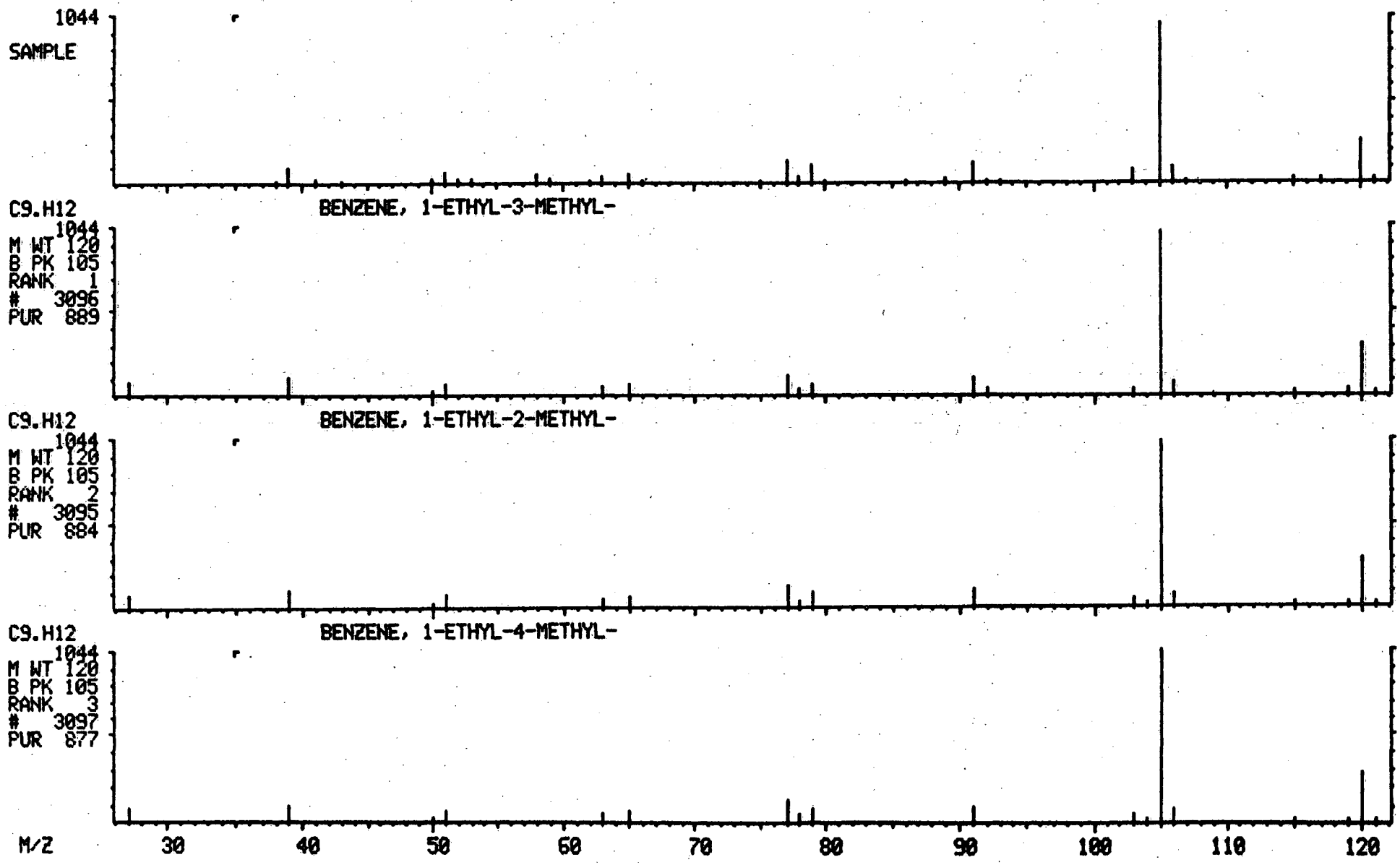
BASE M/Z: 105
RIC: 101503.



LIBRARY SEARCH
06/19/90 23:30:00 + 32:00
SAMPLE: 9006L734-001 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061916 # 960
CALI: P061916 # 2

BASE M/Z: 105
RIC: 31743.



1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO. 44

L.E. CARPENTER MW-1DL

Lab Name: Roy F. Weston, Inc. Work Order: 3600-04-51-0000

Client: WSI-LE CARPENTER

Matrix: WATER Lab Sample ID: 9006L734-001 DL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P062006

Level: (low/med) LOW Date Received: 06/14/90

% Moisture: not dec. _____ Date Analyzed: 06/20/90

Column: (pack/cap) PACK Dilution Factor: 100

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		
74-87-3	Chloromethane	NA	
74-83-9	Bromomethane	NA	
75-01-4	Vinyl Chloride	NA	
75-00-3	Chloroethane	NA	
75-09-2	Methylene Chloride	NA	
75-35-4	1,1-Dichloroethene	NA	
75-34-3	1,1-Dichloroethane	NA	
540-59-0	1,2-Dichloroethene (total)	NA	
67-66-3	Chloroform	NA	
107-06-2	1,2-Dichloroethane	NA	
71-55-6	1,1,1-Trichloroethane	NA	
56-23-5	Carbon Tetrachloride	NA	
75-27-4	Bromodichloromethane	NA	
78-87-5	1,2-Dichloropropane	NA	
10061-01-5	cis-1,3-Dichloropropene	NA	
79-01-6	Trichloroethene	NA	
124-48-1	Dibromochloromethane	NA	
79-00-5	1,1,2-Trichloroethane	NA	
71-43-2	Benzene	NA	
10061-02-6	Trans-1,3-Dichloropropene	NA	
110-75-8	2-chloroethylvinylether	NA	
75-25-2	Bromoform	NA	
127-18-4	Tetrachloroethene	NA	
79-34-5	1,1,2,2-Tetrachloroethane	NA	
108-88-3	Toluene	NA	
108-90-7	Chlorobenzene	NA	
100-41-4	Ethylbenzene	2300	
95-50-1	1,2-Dichlorobenzene	NA	
541-73-1	1,3-Dichlorobenzene	NA	
106-46-7	1,4-Dichlorobenzene	NA	

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

L.E. CARPENTER MW-1DL

Lab Name: Roy F. Weston, Inc. Work Order: 3600-04-51-0000

Client: WSI-LE CARPENTER

Matrix: WATER

Lab Sample ID: 9006L734-001 DL

Sample wt/vol: .0500 (g/mL) ML

Lab File ID: P062006

Level: (low/med) LOW

Date Received: 06/14/90

% Moisture: not dec. _____

Date Analyzed: 06/20/90

Column: (pack/cap) PACK

Dilution Factor: 100

Number TICs found: 0

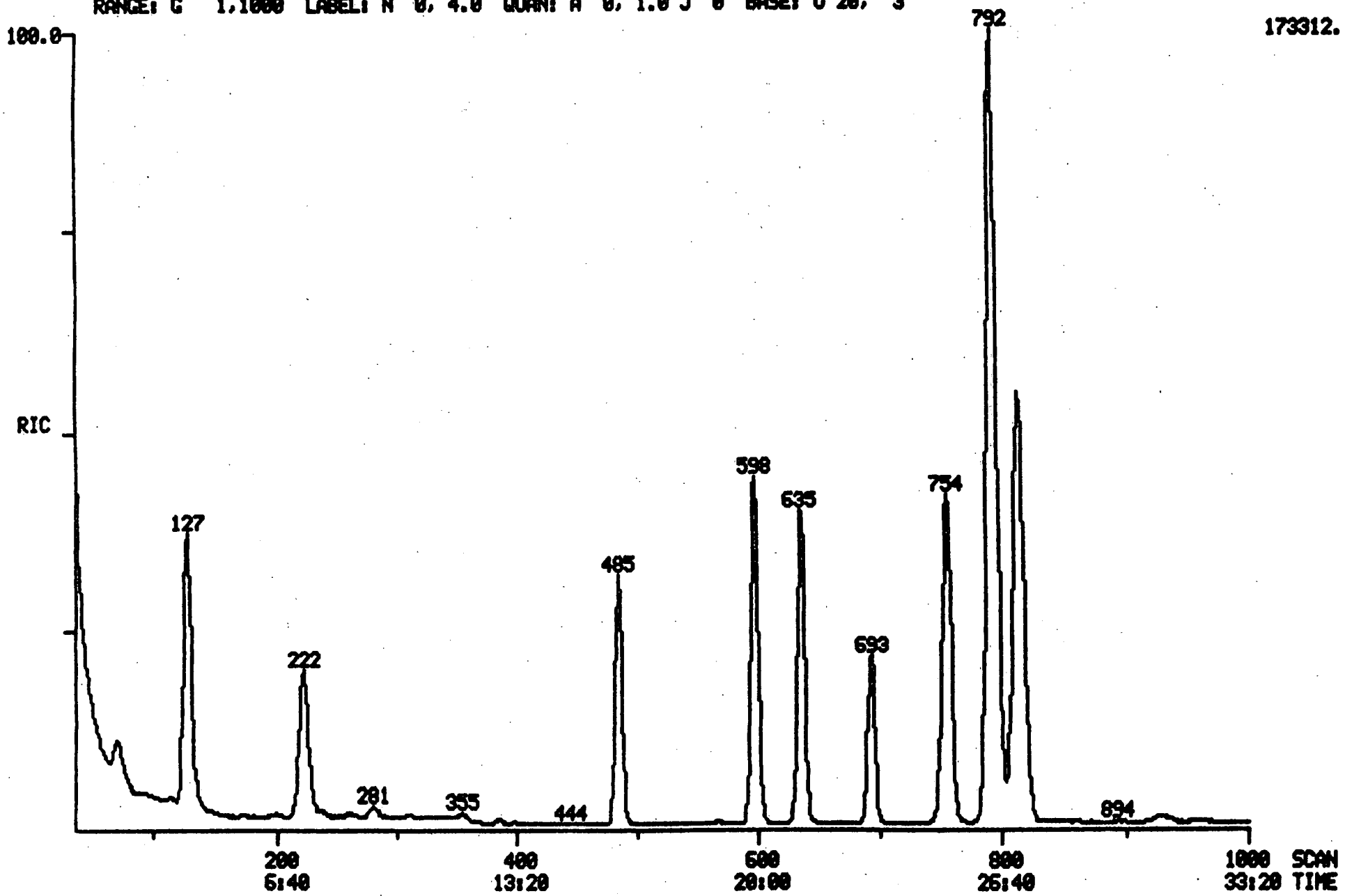
CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

RIC
06/20/90 12:00:00
SAMPLE: 9006L734-001D1 WESTON SERVICES/DF=100
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: P062006 #1
CALI: P062006 #2

SCANS 35 TO 1000



Quantitation Report File: P062006

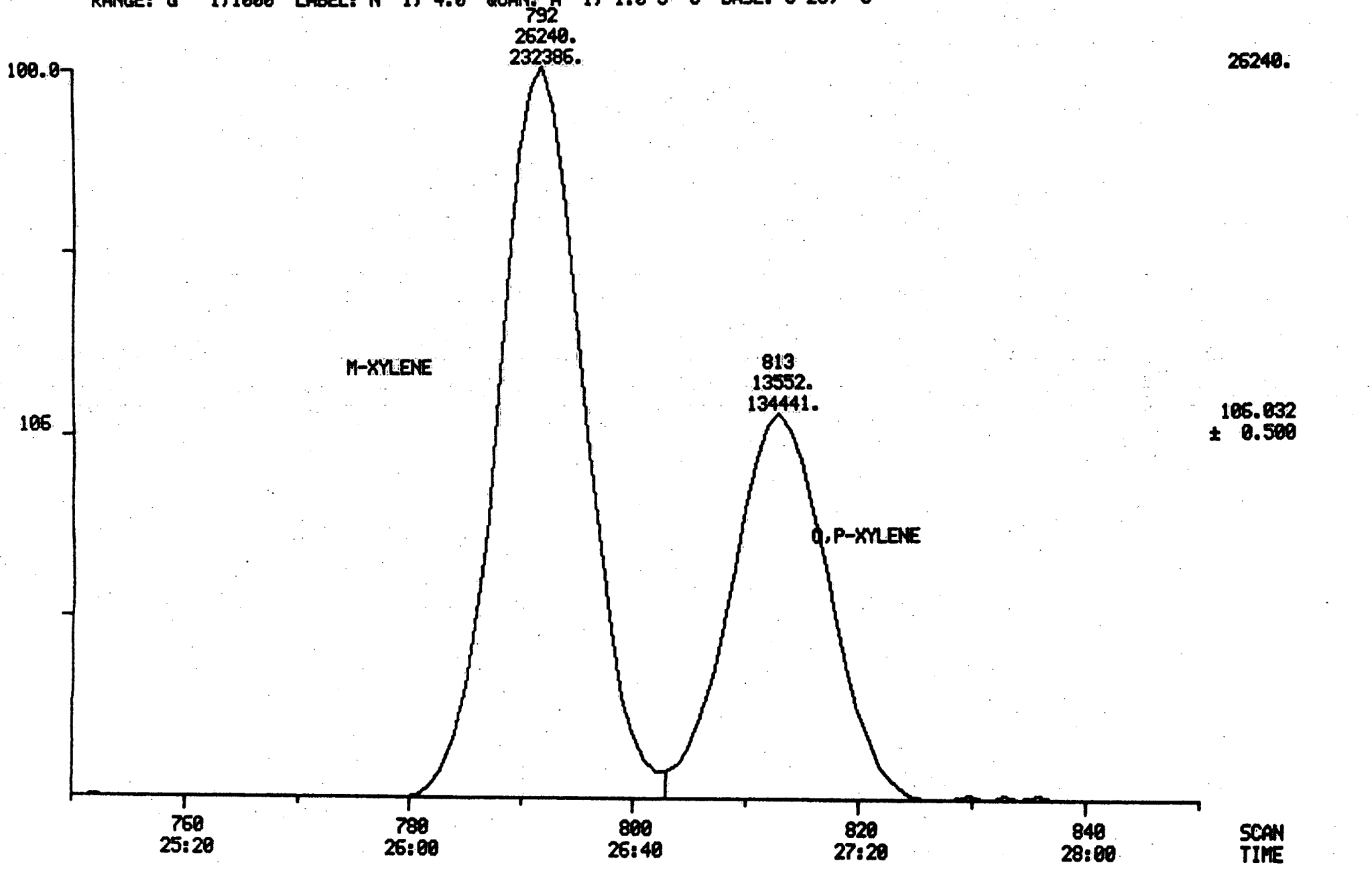
Data: P062006.TI
06/20/90 12:00:00
Sample: 9006L734-001D1 WESTON SERVICES/DF=100
Conds.: GC#1/1050P
Formula: P062002 Instrument: 1050P Weight: 0.001
Submitted by: P062001 Analyst: CAB Acct. No.: 062090

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	IS1	BROMOCHLOROMETHANE
2	SS1	1,2-DICHLOROETHANE D4
3	45V	CHLOROMETHANE
4	46V	BROMOMETHANE
5	88V	VINYL CHLORIDE
6	16V	CHLOROETHANE
7	44V	METHYLENE CHLORIDE
8	13H	ACETONE
9	15H	CARBON DISULFIDE
10	29V	1,1-DICHLOROETHYLENE
11	13V	1,1-DICHLOROETHANE
12		1,2-DICHLOROETHENE (TOTAL)
13	23V	CHLOROFORM
14	10V	1,2-DICHLOROETHANE
15	IS2	1,4-DIFLUOROBENZENE
16	14H	2-BUTANONE
17	11V	1,1,1-TRICHLOROETHANE
18	6V	CARBON TETRACHLORIDE
19	19H	VINYL ACETATE
20	48V	BROMODICHLOROMETHANE
21	32V	1,2-DICHLOROPROPANE
22	33VC	CIS-1,3-DICHLOROPROPENE
23		TRICHLOROETHYLENE
24	51V	DIBROMOCHLOROMETHANE
25	14V	1,1,2-TRICHLOROETHANE
26	4V	BENZENE
27	33VT	TRANS-1,3-DICHLOROPROPENE
28	19V	2-CHLOROETHYL VINYL ETHER
29	47V	BROMOFORM
30	IS3	CHLOROBENZENE D5
31	SS2	TOLUENE D8
32	SS3	4-BROMOFLUOROBENZENE
33	17H	4-METHYL-2-PENTANONE
34	16H	2-HEXANONE
35	85V	TETRACHLOROETHYLENE
36	15V	1,1,2,2-TETRACHLOROETHANE
37	86V	TOLUENE
38	7V	CHLOROBENZENE
39	38V	ETHYLBENZENE
40	18H	STYRENE
41	20H	XYLENES (TOTAL)
42	26B	1,3-DICHLOROBENZENE
43	25B	1,2-DICHLOROBENZENE
44	27B	1,4-DICLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot	
1	128	127	4:14	1	1.000	A BB	65445.	50.000	UG/L	11.05	OL
2	65	222	7:24	1	1.748	A BB	81421.	58.445	UG/L	12.92	High
3	NOT	FOUND									
4	NOT	FOUND									
5	NOT	FOUND									
6	NOT	FOUND									
7	84	70	2:20	1	0.551	A BB	10862.	5.975	UG/L	1.32	
8	43	71	2:22	1	0.559	A BB	2993.	5.043	UG/L	1.11	
9	76	95	3:10	1	0.748	A BB	1865.	0.817	UG/L	0.18	
10	NOT	FOUND									
11	63	149	4:58	1	1.173	A BB	1992.	0.834	UG/L	0.18	
12	NOT	FOUND									
13	83	201	6:42	1	1.583	A BB	2139.	0.809	UG/L	0.18	
14	62	227	7:34	1	1.787	A BB	941.	0.613	UG/L	0.14	
15	114	484	16:08	15	1.000	A BB	136731.	50.000	UG/L	11.05	OL
16	NOT	FOUND									
17	NOT	FOUND									
18	NOT	FOUND									
19	NOT	FOUND									
20	NOT	FOUND									
21	63	356	11:52	15	0.736	A BB	1212.	0.642	UG/L	0.14	
22	NOT	FOUND									
23	130	386	12:52	15	0.798	A BB	1425.	0.991	UG/L	0.22	
24	NOT	FOUND									
25	NOT	FOUND									
26	78	398	13:16	15	0.822	A BB	1880.	0.698	UG/L	0.15	
27	NOT	FOUND									
28	NOT	FOUND									
29	NOT	FOUND									
30	117	635	21:10	30	1.000	A BB	135062.	50.000	UG/L	11.05	OL
31	98	598	19:56	30	0.942	A BB	181975.	53.849	UG/L	11.90	107%
32	95	754	25:08	30	1.187	A BB	120475.	57.120	UG/L	12.63	114%
33	43	506	16:52	30	0.797	A BB	1291.	1.145	UG/L	0.25	
34	43	555	18:30	30	0.874	A BB	490.	0.518	UG/L	0.11	
35	164	568	18:56	30	0.894	A BB	714.	0.534	UG/L	0.12	
36	NOT	FOUND									
37	92	603	20:06	30	0.950	A BB	2052.	0.978	UG/L	0.22	
38	112	638	21:16	30	1.005	A BB	2384.	0.860	UG/L	0.19	
39	106	692	23:04	30	1.090	A BB	29576.	22.541	UG/L	4.98	
40	NOT	FOUND									
41	106	813/812	27:06	30	1.280	A BB	~~122037.~~ 366879	~~89.398~~ 268,690	UG/L	19.76	
42	NOT	FOUND									
43	NOT	FOUND									
44	146	933	31:06	30	1.469	A VB	1428.	0.578	UG/L	0.13	

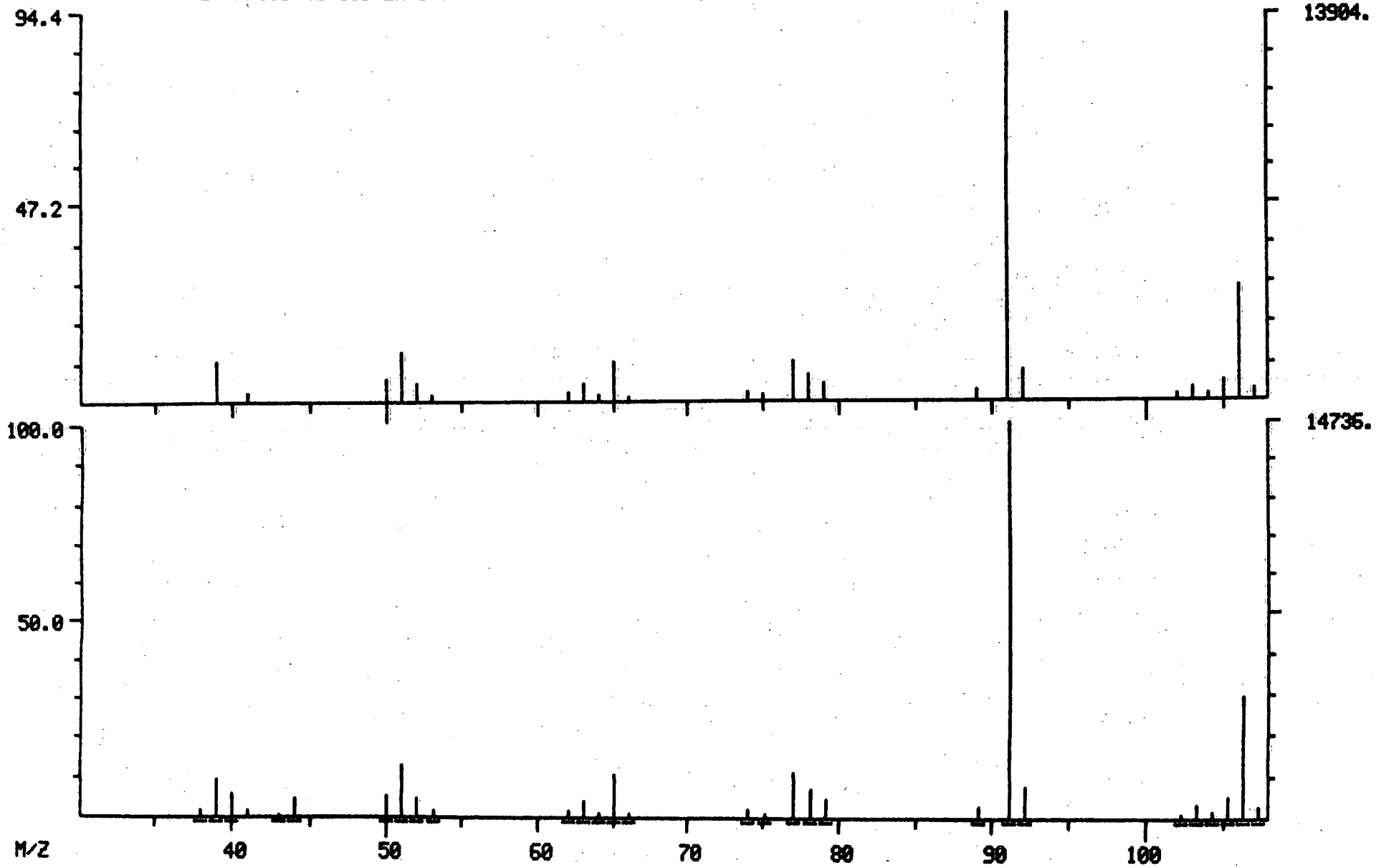
MASS CHROMATOGRAM DATA: P062006 #1 SCANS 750 TO 850
06/20/90 12:00:00 CALI: P062006 #2
SAMPLE: 9006L734-001D1 WESTON SERVICES/DF=100
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



DUAL MASS SPECTRUM
06/20/90 12:00:00 + 23:04
SAMPLE: 9006L734-001D1 WESTON SERVICES/DF=100
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P062006 #692
CALI: P062006 #2

BASE M/Z: 91/ 91
RIC: 32959./ 36479.

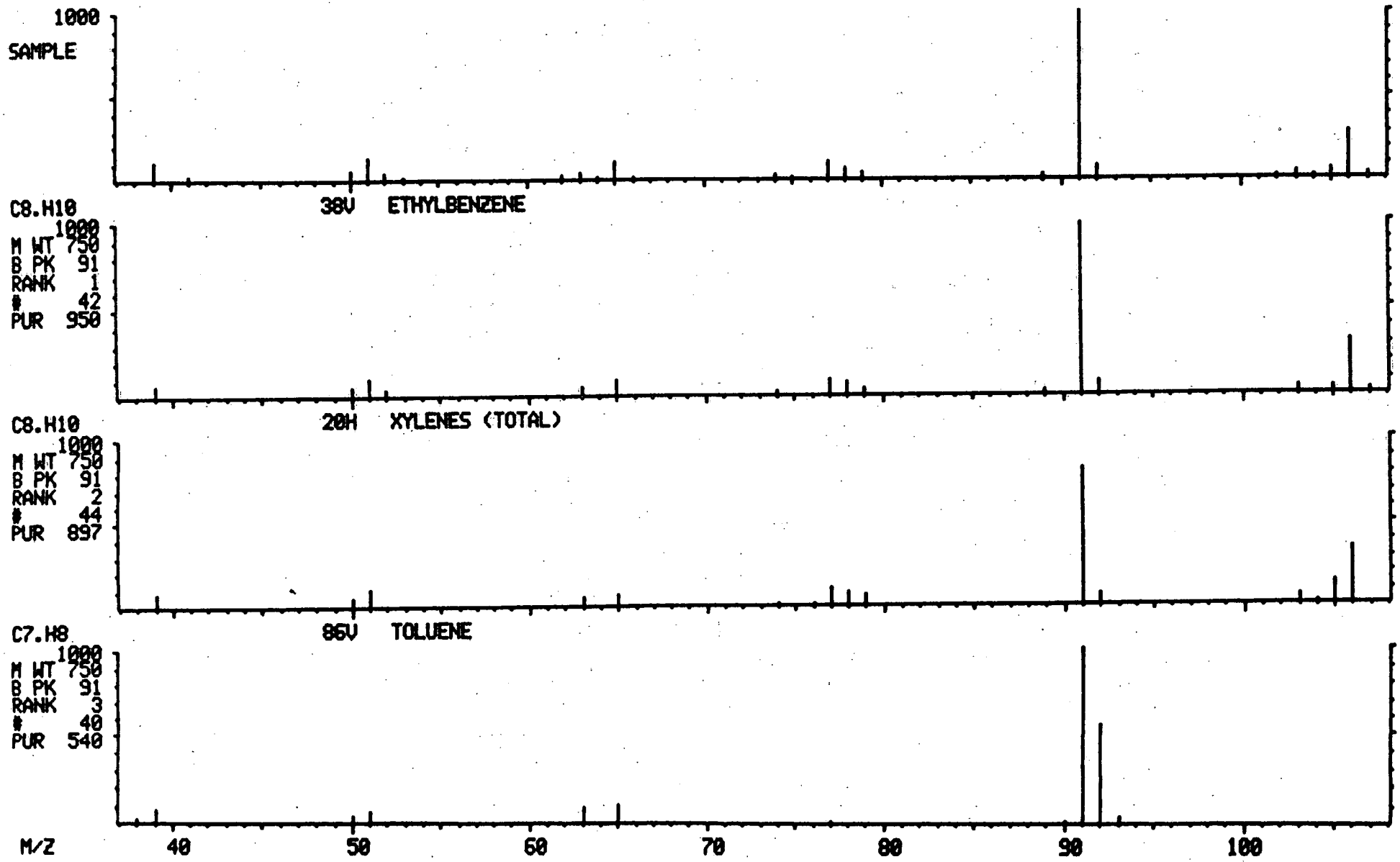


51

LIBRARY SEARCH
06/20/90 12:00:00 + 23:04
SAMPLE: 9006L734-001D1 WESTON SERVICES/DF=100
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P062006 # 692
CALI: P062006 # 2

BASE M/Z: 91
RIC: 32895.



1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO. - 52

L.E. CARPENTER MW-2

Lab Name: Roy F. Weston, Inc. Work Order: 3600-04-51-0000

Client: WSI-LE CARPENTER

Matrix: WATER Lab Sample ID: 9006L734-002

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P061917

Level: (low/med) LOW Date Received: 06/14/90

% Moisture: not dec. _____ Date Analyzed: 06/20/90

Column: (pack/cap) PACK Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	JB
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
110-75-8	2-chloroethylvinylether	10	U
75-25-2	Bromoform	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	15	
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO: L.E. CARPENTER MW-2

Lab Name: Roy F. Weston, Inc. Work Order: 3600-04-51-0000

Client: WSI-LE CARPENTER

Matrix: WATER

Lab Sample ID: 9006L734-002

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: P061917

Level: (low/med) LOW

Date Received: 06/14/90

% Moisture: not dec. _____

Date Analyzed: 06/20/90

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

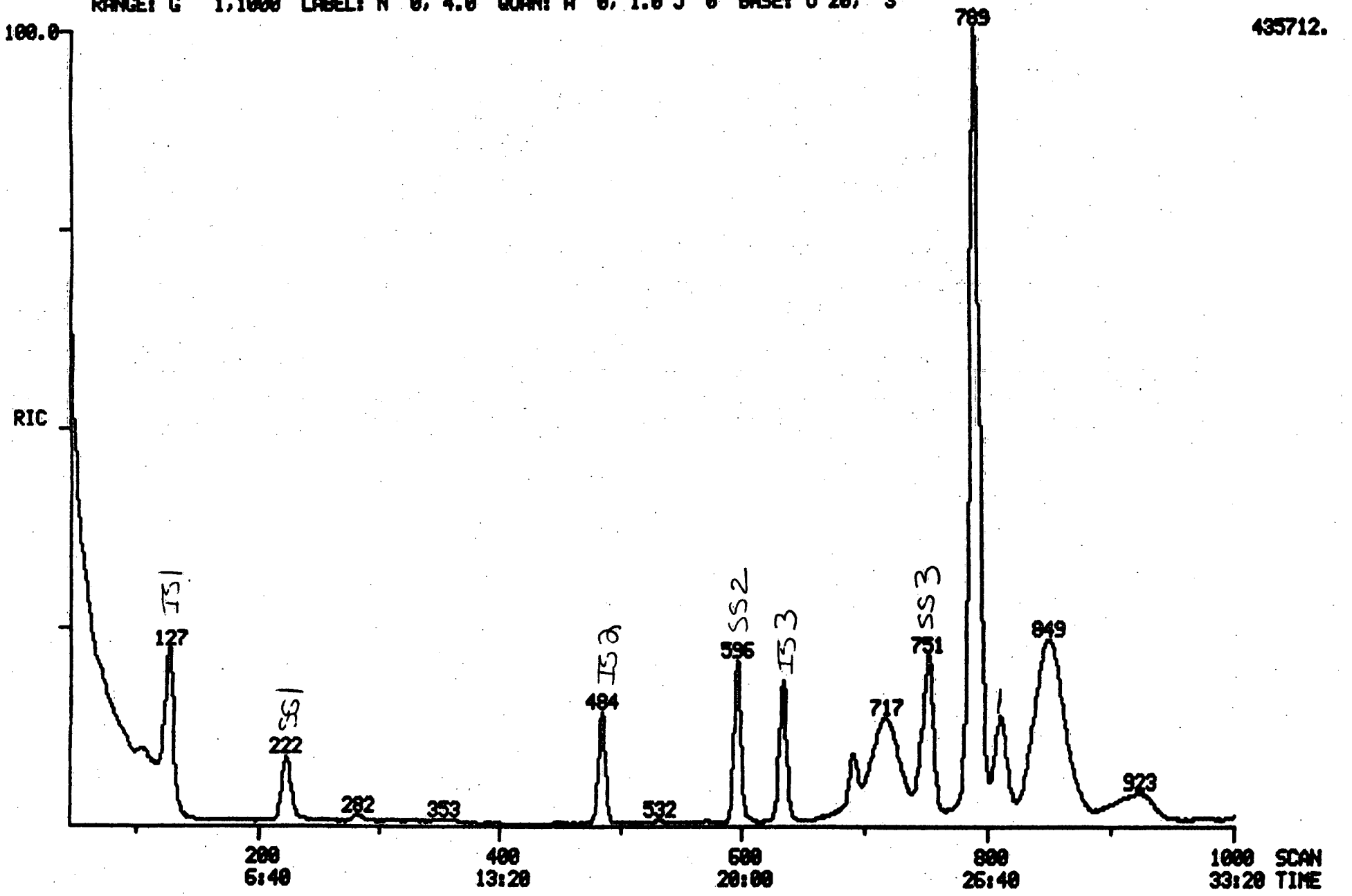
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	23.93	70	J
2.	XYLENES (TOTAL)	26.30	460	CJ
3.	UNKNOWN	28.30	200	J
4.	UNKNOWN	30.87	30	J

C: Response Factor from daily standard.

RIC
06/20/90 0:21:00
SAMPLE: 9006L734-002 WESTON SERVICE
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: P061917 #1
CALI: P061917 #2

SCANS 45 TO 1000



Quantitation Report File: P061917

Data: P061917.TI
06/20/90 0:21:00
Sample: 9006L734-002 WESTON SERVICE
Conds.: GC#1/1050P
Formula: P061910 Instrument: 1050P Weight: 0.003
Submitted by: P061910 Analyst: JT Acct. No.: 061990

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	IS1	BROMOCHLOROMETHANE
2	SS1	1,2-DICHLOROETHANE D4
3	45V	CHLOROMETHANE
4	46V	BROMOMETHANE
5	88V	VINYL CHLORIDE
6	16V	CHLOROETHANE
7	44V	METHYLENE CHLORIDE
8	13H	ACETONE
9	15H	CARBON DISULFIDE
10	29V	1,1-DICHLOROETHYLENE
11	13V	1,1-DICHLOROETHANE
12		1,2-DICHLOROETHENE (TOTAL)
13	23V	CHLOROFORM
14	10V	1,2-DICHLOROETHANE
15	IS2	1,4-DIFLUOROBENZENE
16	14H	2-BUTANONE
17	11V	1,1,1-TRICHLOROETHANE
18	6V	CARBON TETRACHLORIDE
19	19H	VINYL ACETATE
20	48V	BROMODICHLOROMETHANE
21	32V	1,2-DICHLOROPROPANE
22	33VC	CIS-1,3-DICHLOROPROPENE
23		TRICHLOROETHYLENE
24	51V	DIBROMOCHLOROMETHANE
25	14V	1,1,2-TRICHLOROETHANE
26	4V	BENZENE
27	33VT	TRANS-1,3-DICHLOROPROPENE
28	19V	2-CHLOROETHYL VINYL ETHER
29	47V	BROMOFORM
30	IS3	CHLOROBENZENE D5
31	SS2	TOLUENE D8
32	SS3	4-BROMOFLUOROBENZENE
33	17H	4-METHYL-2-PENTANONE
34	16H	2-HEXANONE
35	85V	TETRACHLOROETHYLENE
36	15V	1,1,2,2-TETRACHLOROETHANE
37	86V	TOLUENE
38	7V	CHLOROBENZENE
39	38V	ETHYLBENZENE
40	18H	STYRENE
41	20H	XYLENES (TOTAL)
42	26B	1,3-DICHLOROBENZENE
43	25B	1,2-DICHLOROBENZENE
44	27B	1,4-DICLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	126	4:12	1	1.000	A BB	70522.	50.000 UG/L	13.27
2	65	222	7:24	1	1.762	A BB	88485.	51.436 UG/L	13.65
3	50	31	1:02	1	0.246	A BB	642.	0.643 UG/L	0.17
4	NOT	FOUND							
5	NOT	FOUND							
6	NOT	FOUND							
7	84	69	2:18	1	0.548	A BB	8003.	3.702 UG/L	0.98
8	43	69	2:18	1	0.548	A*BB	1310.	1.679 UG/L	0.45
9	NOT	FOUND							
10	NOT	FOUND							
11	NOT	FOUND							
12	NOT	FOUND							
13	NOT	FOUND							
14	NOT	FOUND							
15	114	484	16:08	15	1.000	A BB	141677.	50.000 UG/L	13.27
16	NOT	FOUND							
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	78	397	13:14	15	0.820	A BB	787.	0.266 UG/L	0.07
27	NOT	FOUND							
28	NOT	FOUND							
29	NOT	FOUND							
30	117	634	21:08	30	1.000	A BB	143073.	50.000 UG/L	13.27
31	98	596	19:52	30	0.940	A BB	202121.	53.975 UG/L	14.32
32	95	752	25:04	30	1.186	A BB	126067.	53.991 UG/L	14.33
33	NOT	FOUND							
34	43	555	18:30	30	0.875	A BB	400.	0.321 UG/L	0.09
35	NOT	FOUND							
36	NOT	FOUND							
37	92	602	20:04	30	0.950	A BB	2302.	0.983 UG/L	0.26
38	112	637	21:14	30	1.005	A BB	3069.	1.049 UG/L	0.28
39	106	690	23:00	30	1.088	A BB	21321.	15.427 UG/L	4.09
40	NOT	FOUND							
41	106	810	27:00	30	1.278	A BB	56759.	41.489 UG/L	11.01
42	146	893	29:46	30	1.409	A BV	966.	0.508 UG/L	0.13
43	146	923	30:46	30	1.456	A*VV	2140.	0.748 UG/L	0.20
44	146	928	30:56	30	1.464	A VB	2180.	0.678 UG/L	0.18

XYLENES $\frac{571370 + 60070}{56759} \times 41.489 = 461.56$

Quantitation Report File: P061917TIC

Data: P061917.TI
06/20/90 0:21:00
Sample: 9006L734-002 WESTON SERVICE
Conds.: GC#1/1050P
Formula: P061910 Instrument: 1050P Weight: 0.003
Submitted by: P061910 Analyst: JT Acct. No.: 061990

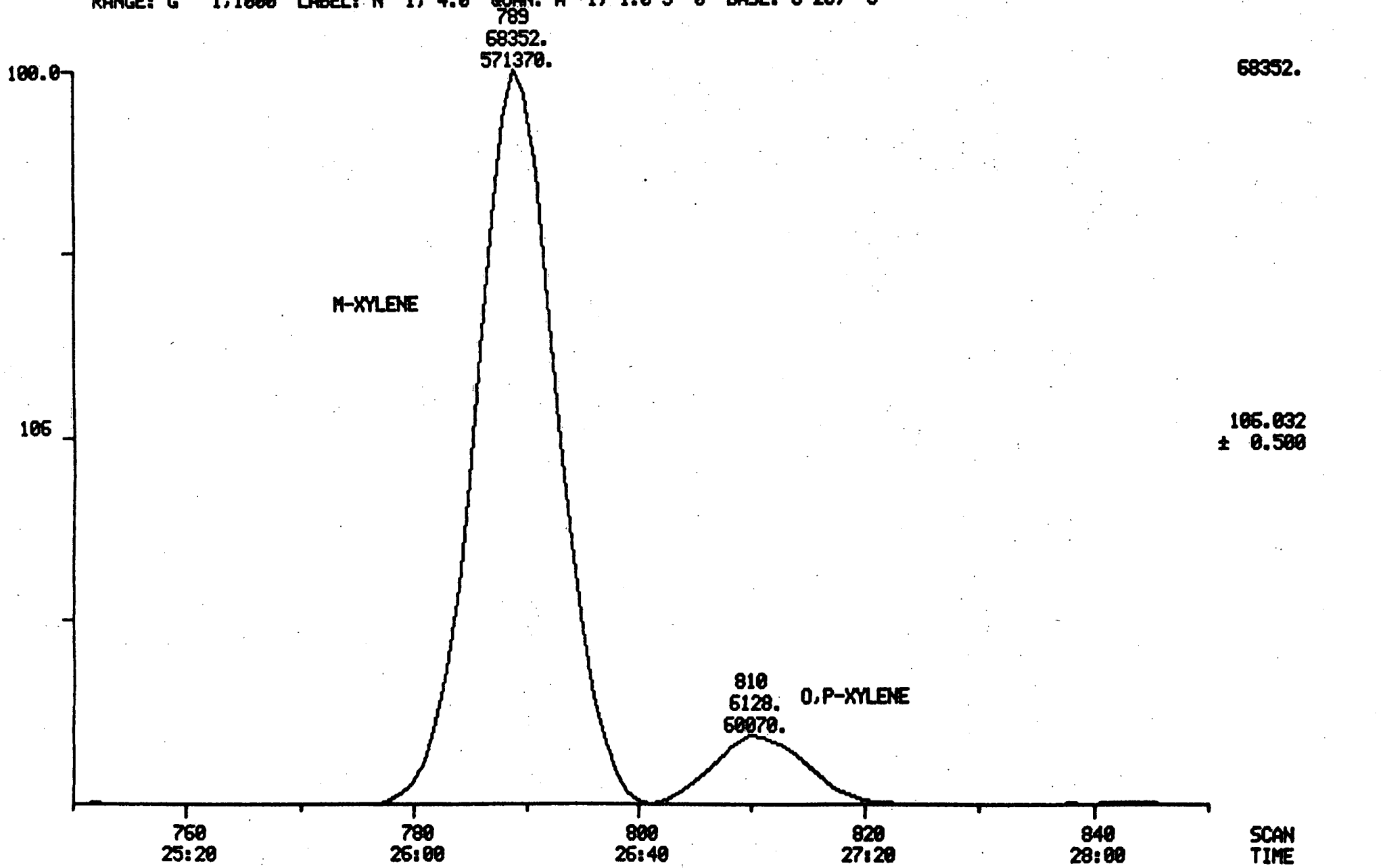
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	IS3 CHLOROBENZENE D5
2	UNKNOWN
3	UNKNOWN
4	UNKNOWN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot	
1	RIC	634	21:08	1	1.000	A BB	499647.	50.000	UG/L	23.33	
2	RIC	718	23:56	3	0.846	A BB	671264.	44.736		20.88	67.17
3	RIC	849	28:18	3	1.000	A BB	1500510.	100.000		46.67	150.16
4	RIC	926	30:52	3	1.091	A BB	293184.	19.539		9.12	29.34

58

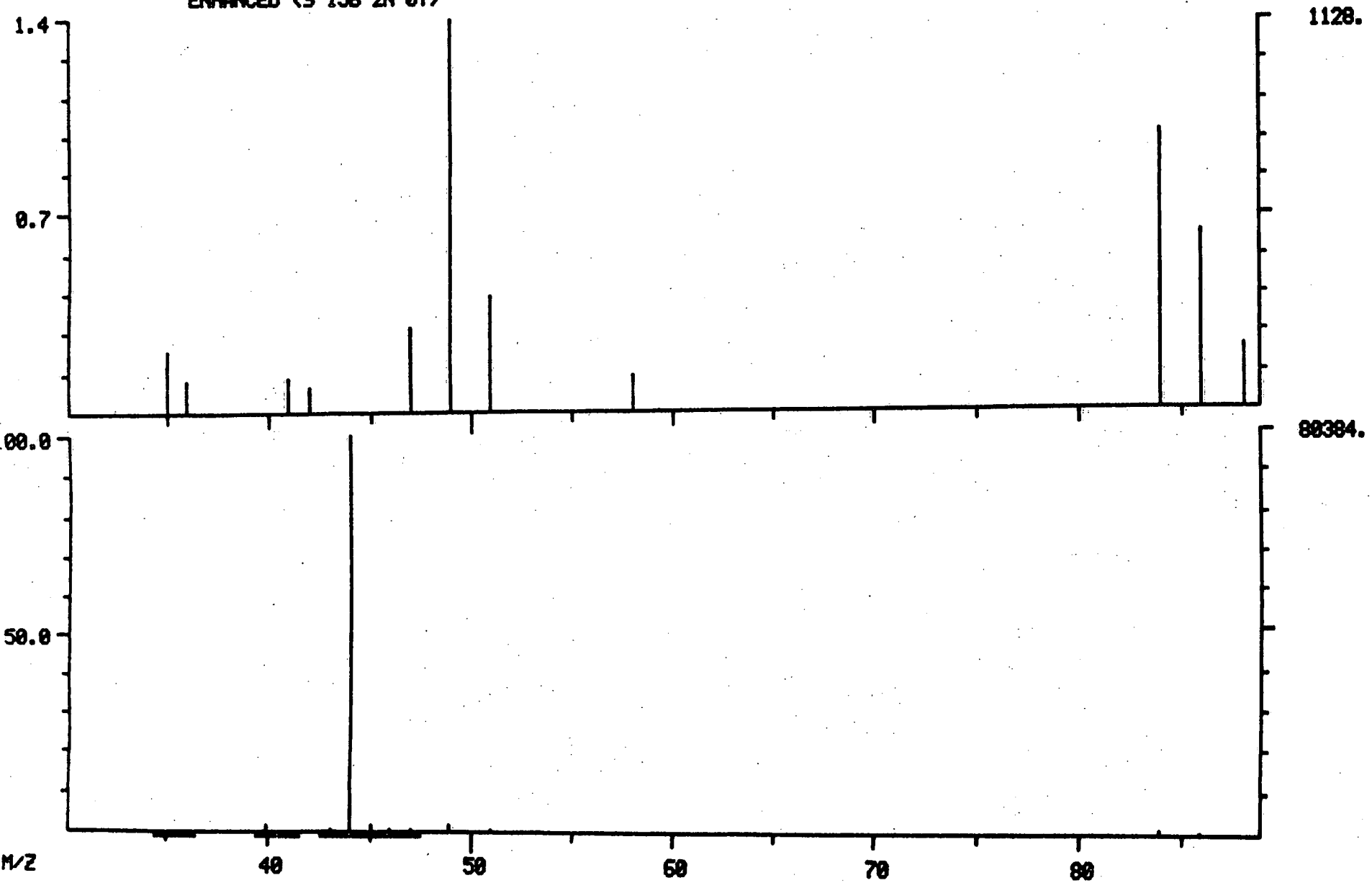
MASS CHROMATOGRAM DATA: P061917 #1 SCANS 750 TO 850
06/20/90 0:21:00 CALI: P061917 #2
SAMPLE: 9006L734-002 WESTON SERVICE
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



DUAL MASS SPECTRUM
06/20/90 0:21:00 + 2:18
SAMPLE: 9006L734-002 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061917 #69
CALI: P061917 #2

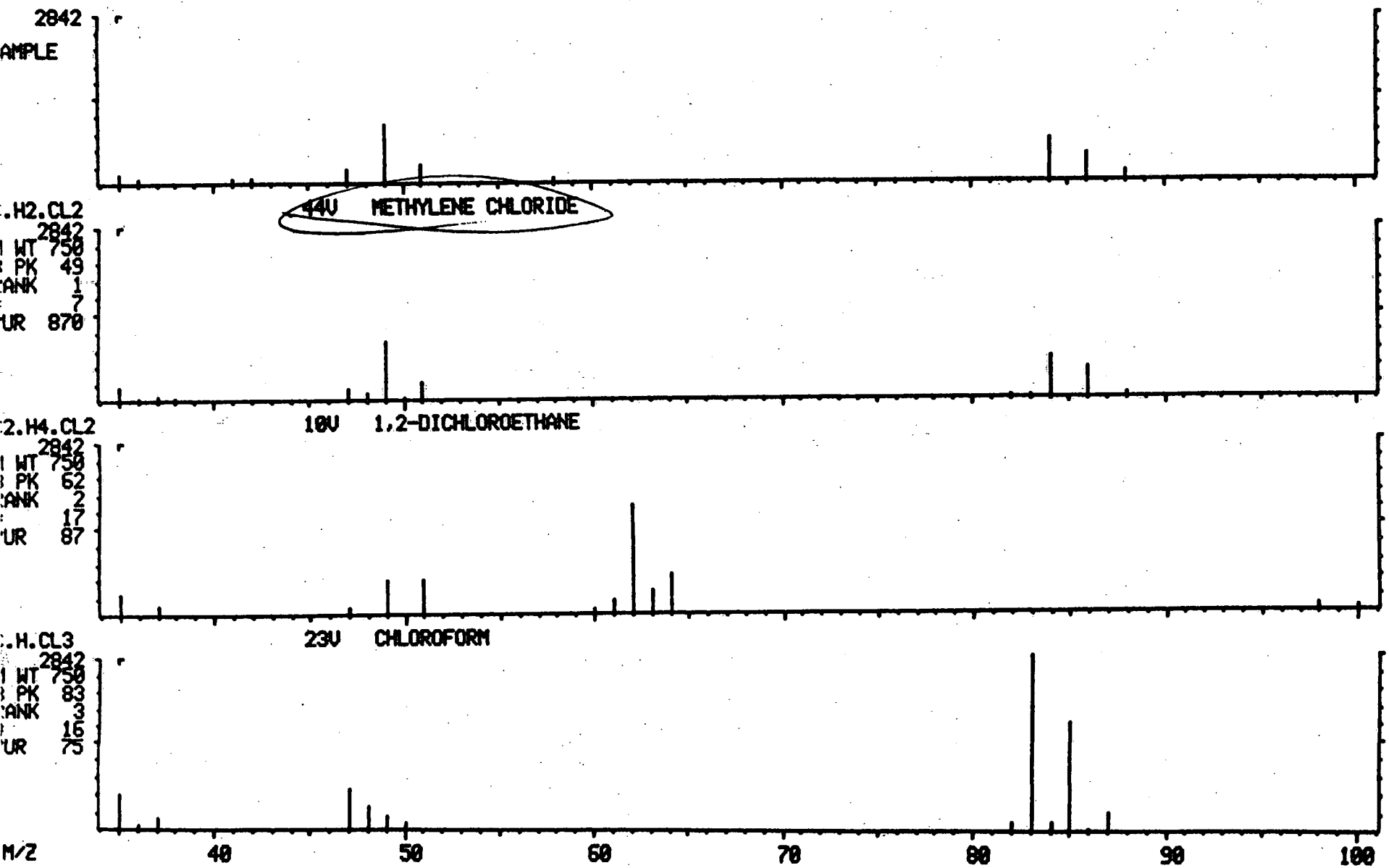
BASE M/Z: 49/ 44
RIC: 3743./ 88575.



LIBRARY SEARCH
06/20/90 0:21:00 + 2:18
SAMPLE: 9006L734-002 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061917 # 69
CALI: P061917 # 2

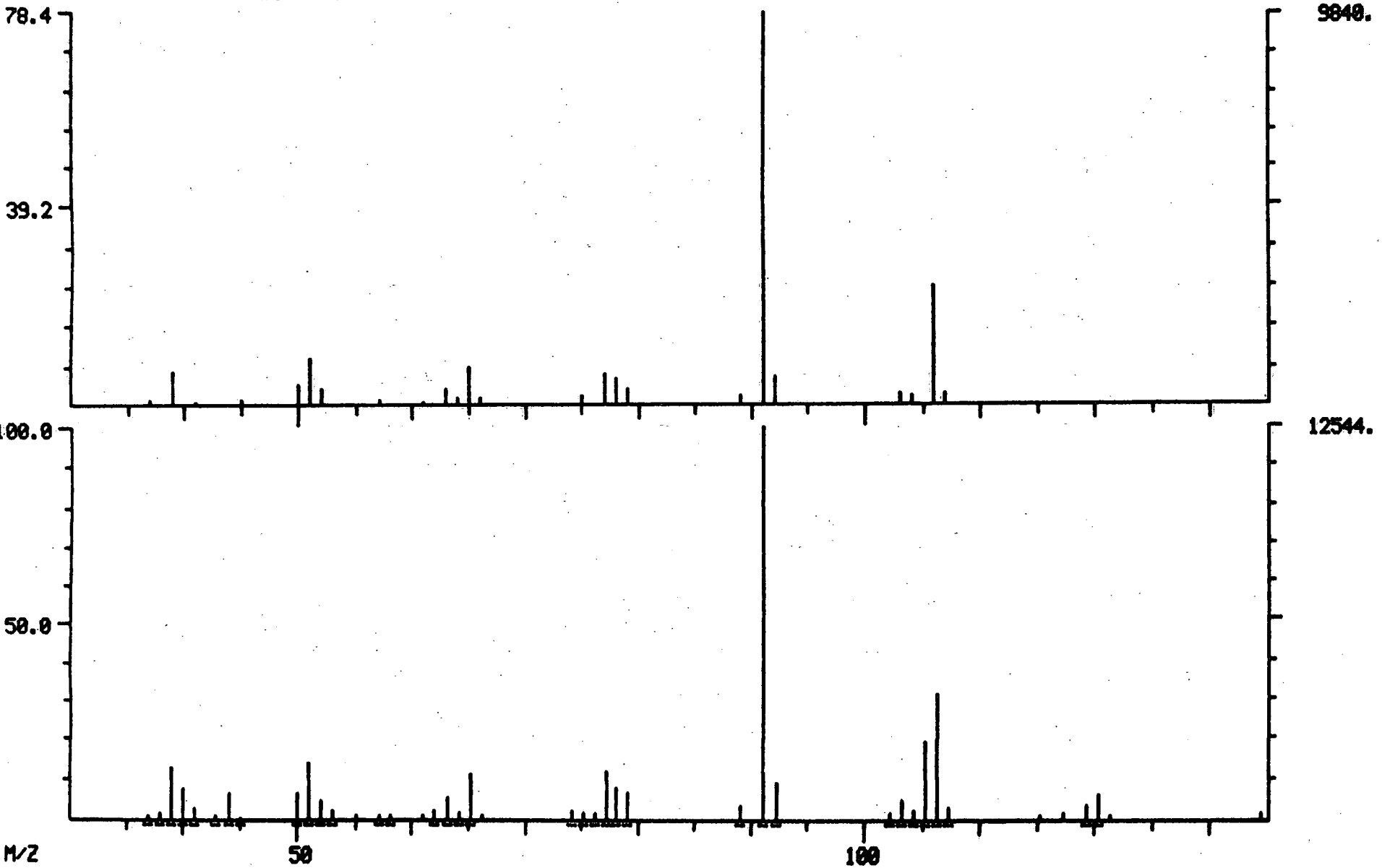
BASE M/Z: 49
RIC: 3743.



DUAL MASS SPECTRUM
06/20/90 0:21:00 + 23:00
SAMPLE: 9006L734-002 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061917 #690
CALI: P061917 #2

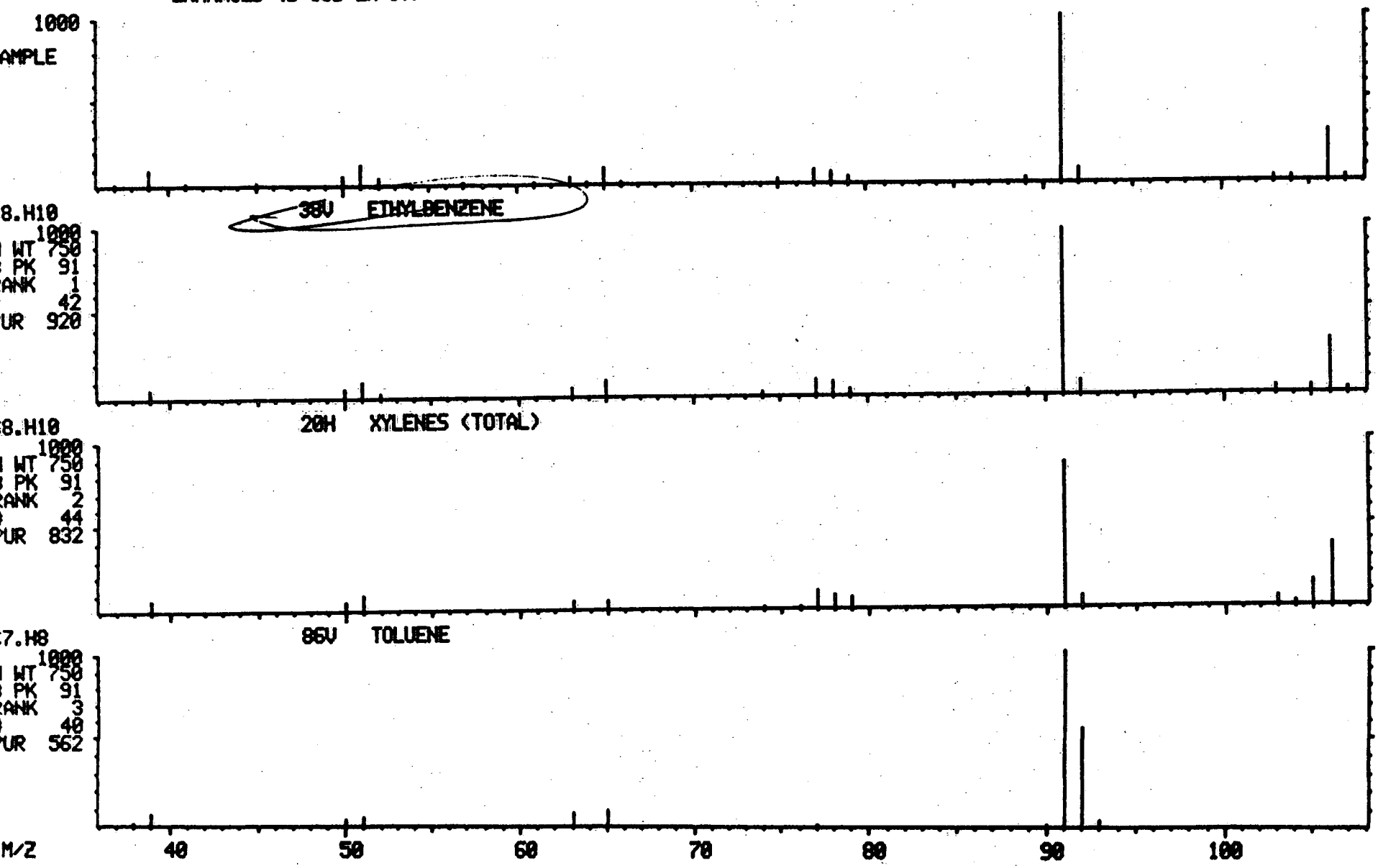
BASE M/Z: 91/ 91
RIC: 21695./ 38399.



LIBRARY SEARCH
06/20/90 0:21:00 + 23:00
SAMPLE: 9006L734-002 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061917 # 690
CALI: P061917 # 2

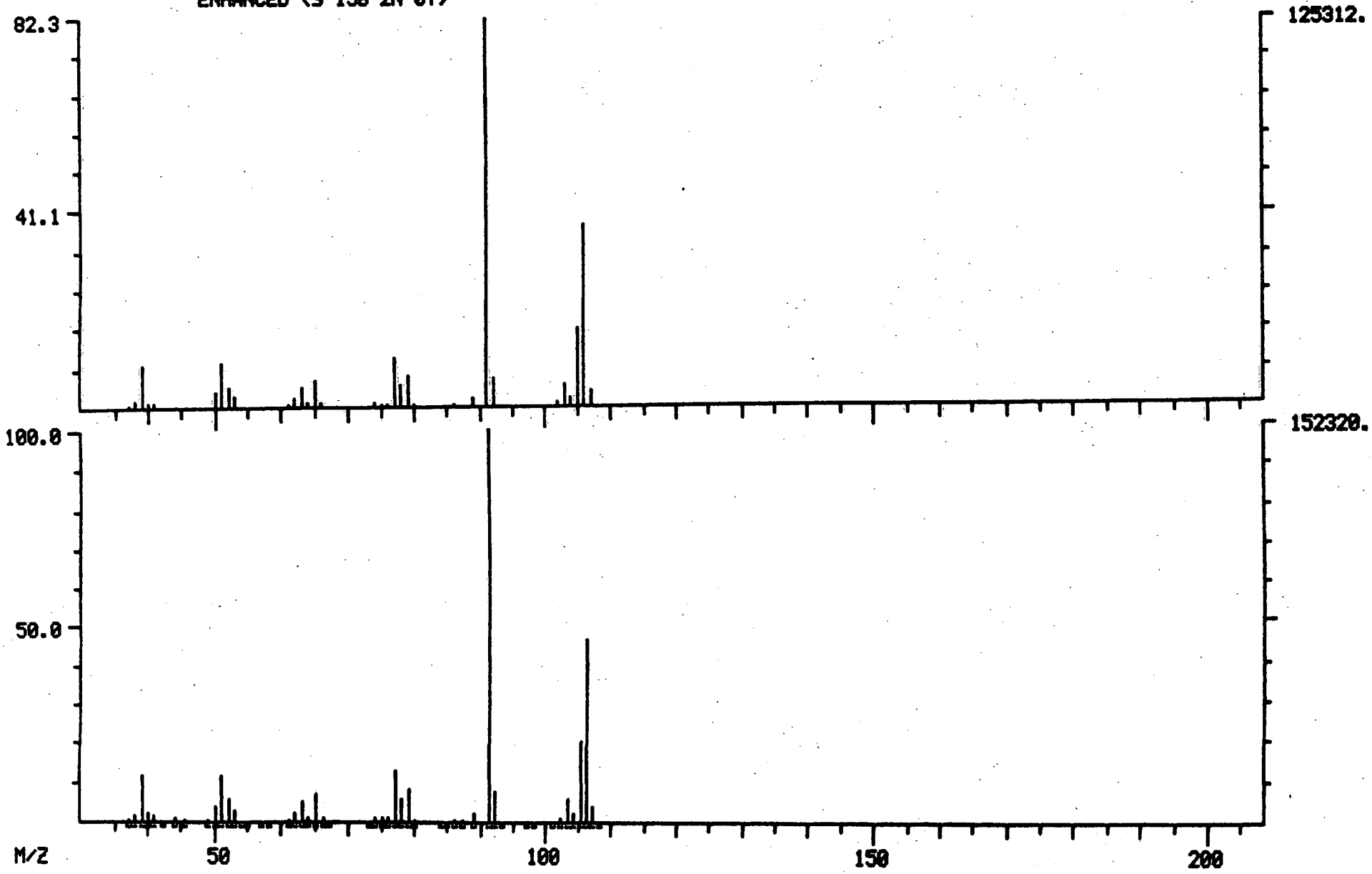
BASE M/Z: 91
RIC: 21695.



DUAL MASS SPECTRUM
06/20/90 0:21:00 + 26:18
SAMPLE: 9006L734-002 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061917 #709
CALI: P061917 #2

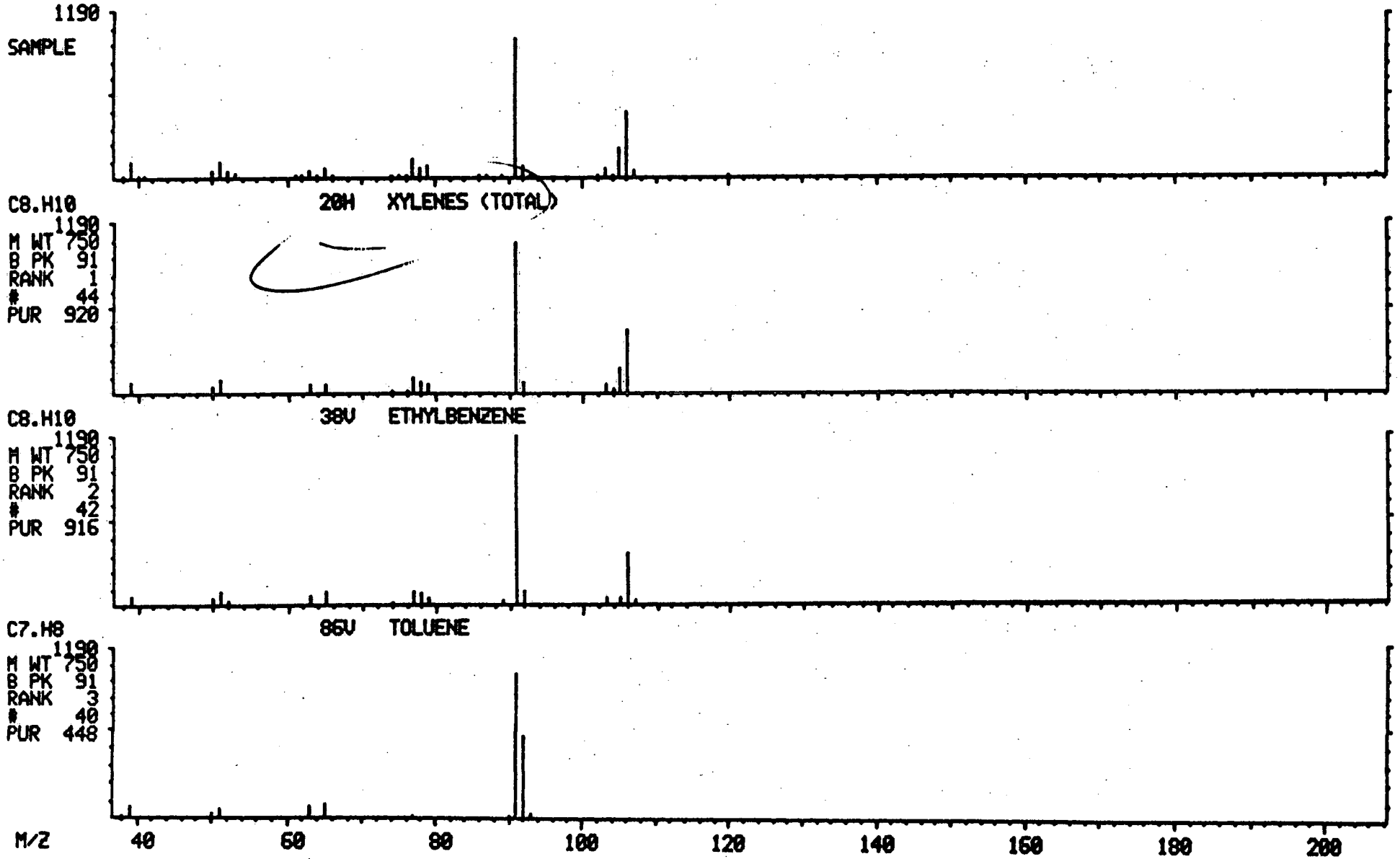
BASE M/Z: 91/ 91
RIC: 352255./ 435199.



LIBRARY SEARCH
06/20/90 0:21:00 + 26:18
SAMPLE: 9006L734-002 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061917 # 789
CALI: P061917 # 2

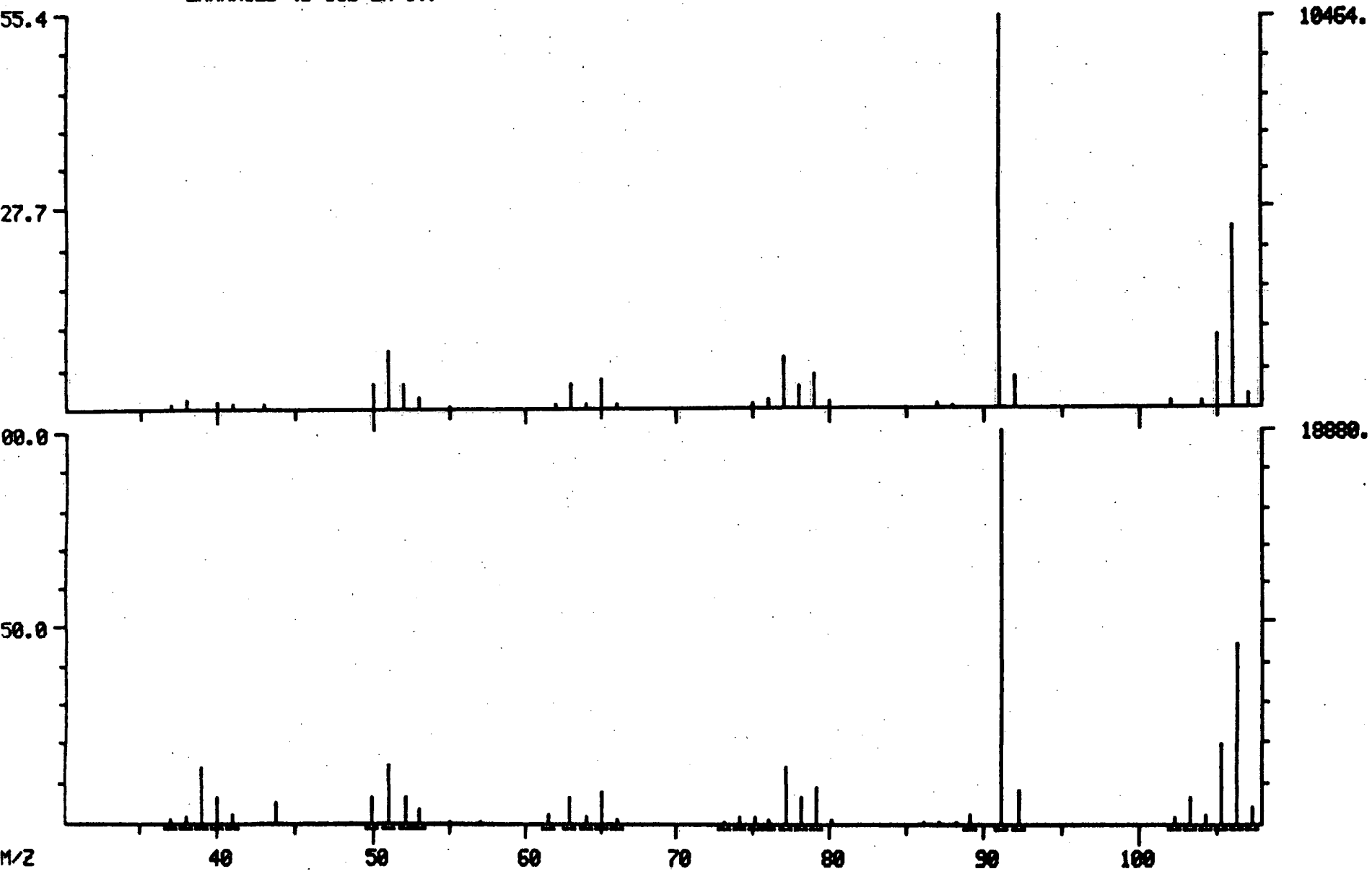
BASE M/Z: 91
RIC: 347135.



DUAL MASS SPECTRUM
06/20/90 0:21:00 + 27:00
SAMPLE: 9006L734-002 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061917 #810
CALI: P061917 #2

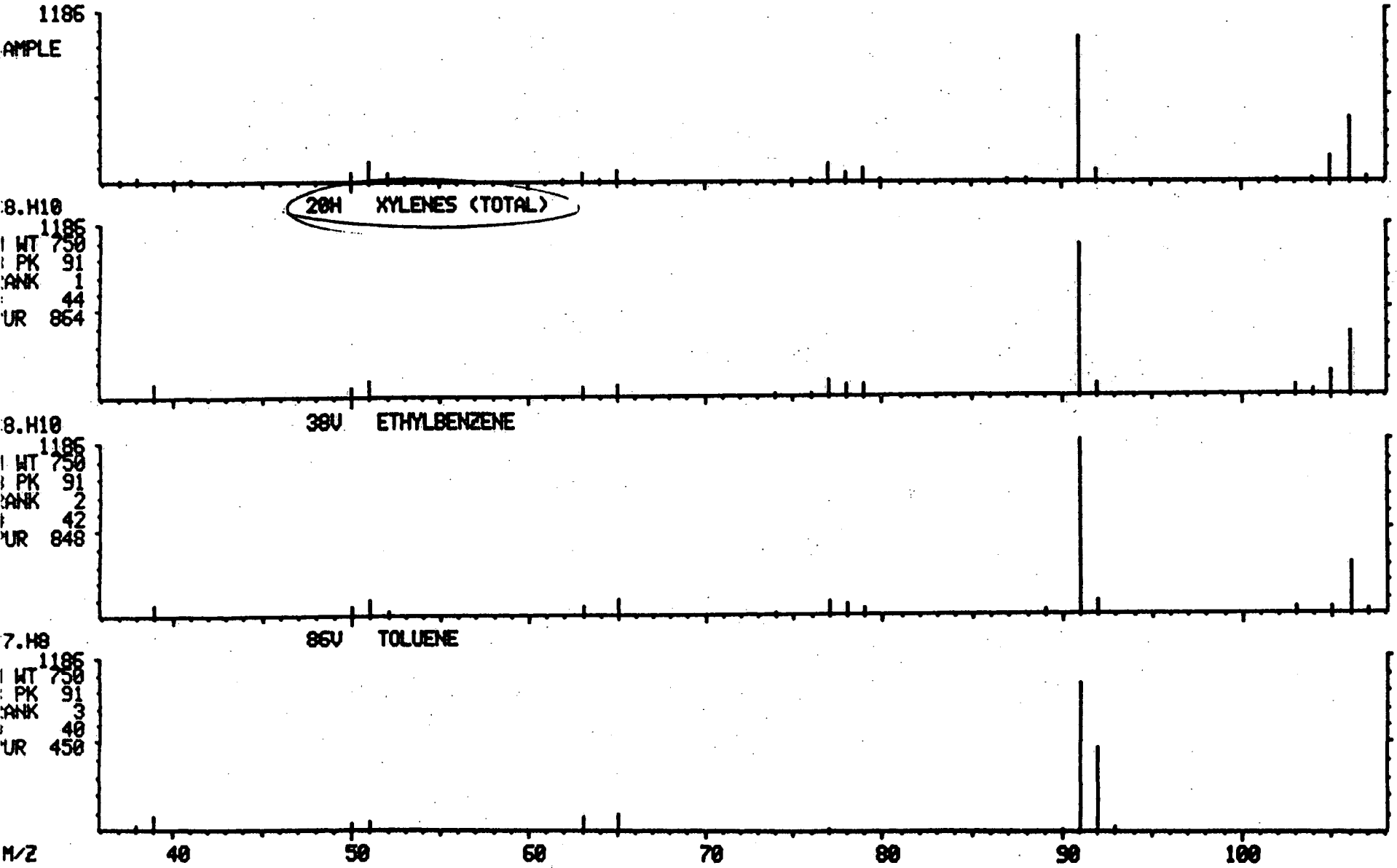
BASE M/Z: 91/ 91
RIC: 28191./ 58111.



LIBRARY SEARCH
06/20/90 0:21:00 + 27:00
SAMPLE: 9006L734-002 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061917 # 810
CALI: P061917 # 2

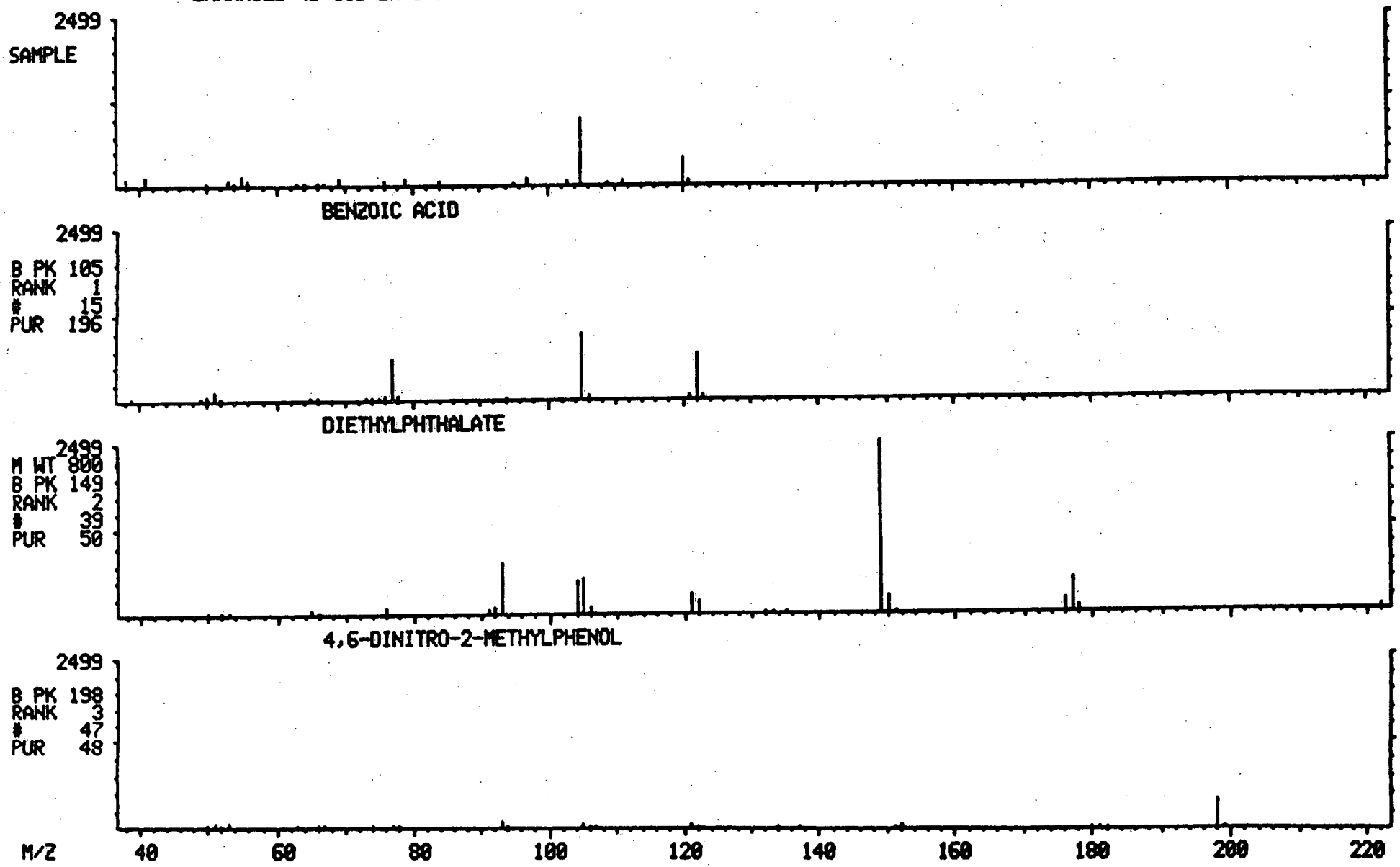
BASE M/Z: 91
RIC: 28095.



LIBRARY SEARCH
06/20/90 2:02:00 + 23:44
SAMPLE: 9006L734-004 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061919 # 712
CALI: P061919 # 2

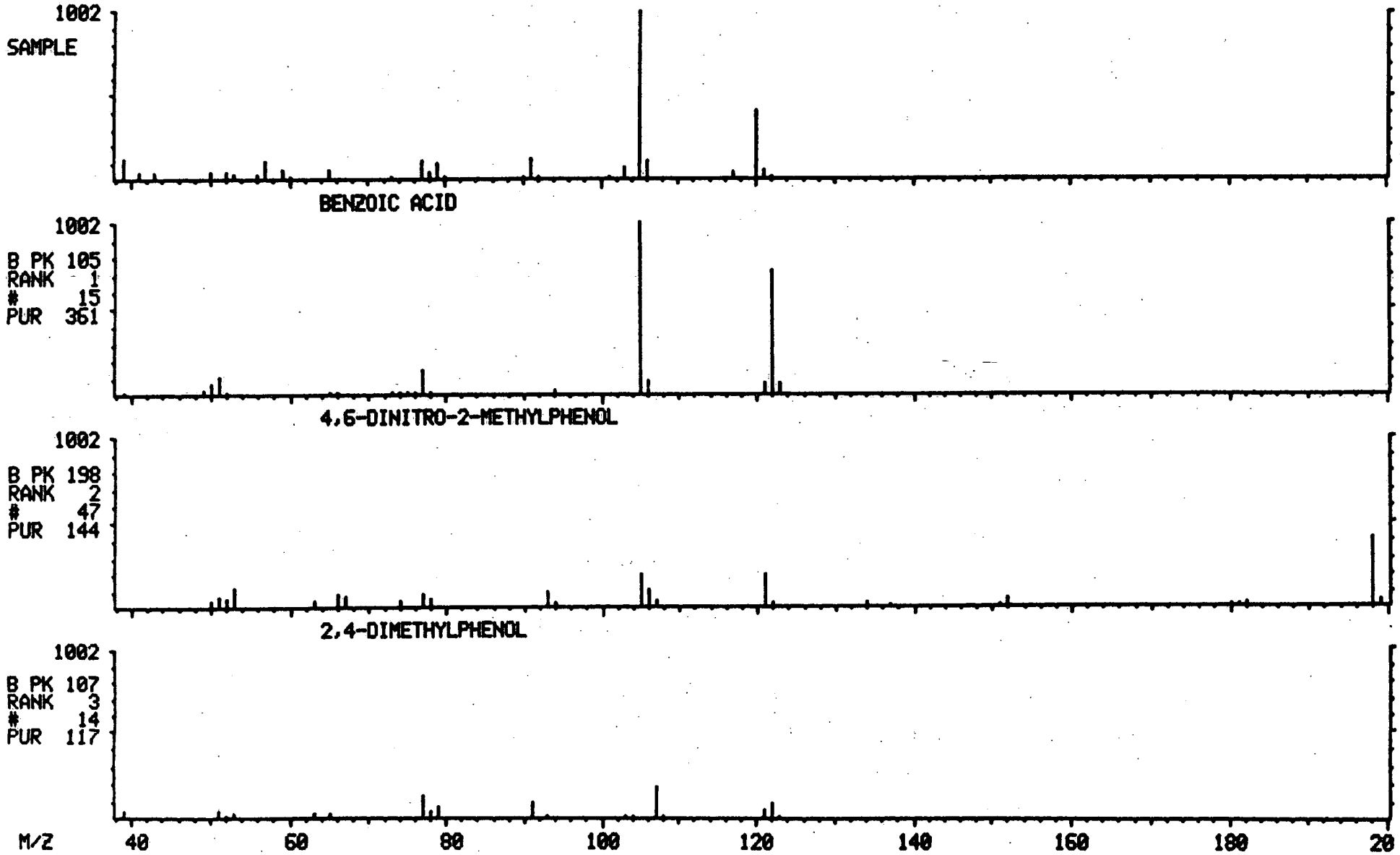
BASE M/Z: 105
RIC: 5239.



LIBRARY SEARCH
06/20/90 2:02:00 + 28:14
SAMPLE: 9006L734-004 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061919 # 847
CALI: P061919 # 2

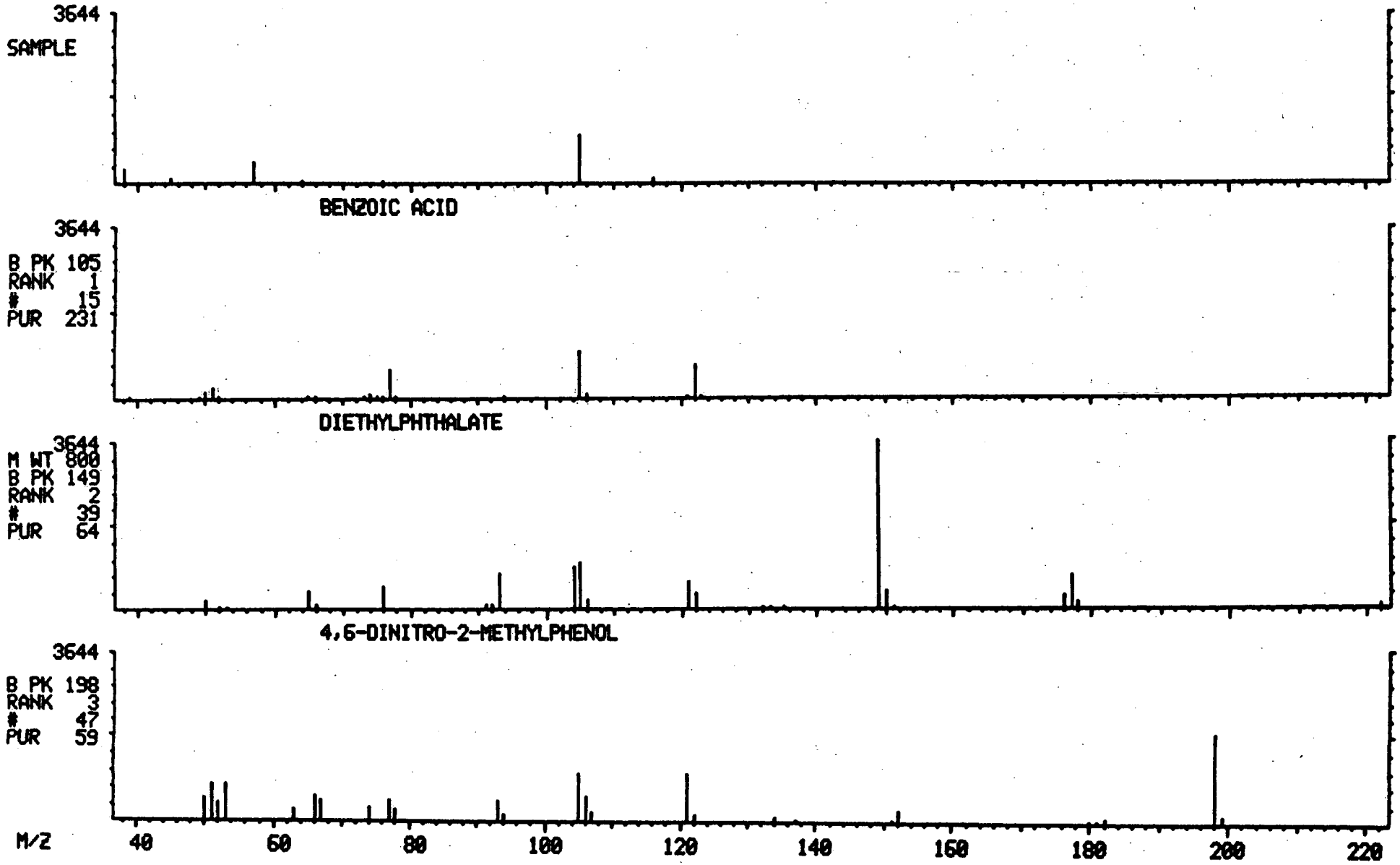
BASE M/Z: 105
RIC: 14815.



LIBRARY SEARCH
06/20/90 2:02:00 + 30:24
SAMPLE: 9006L734-004 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061919 # 912
CALI: P061919 # 2

BASE M/Z: 105
RIC: 803.



1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO.

L.E. CARPENTER MW-3

Lab Name: Roy F. Weston, Inc. Work Order: 3600-04-51-0000

Client: WSI-LE CARPENTER

Matrix: WATER

Lab Sample ID: 9006L734-003

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: P061918

Level: (low/med) LOW

Date Received: 06/14/90

% Moisture: not dec. _____

Date Analyzed: 06/20/90

Column: (pack/cap) PACK

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	JB
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
110-75-8	2-chloroethylvinylether	10	U
75-25-2	Bromoform	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	4	J
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene		E
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

L.E. CARPENTER MW-3

Lab Name: Roy F. Weston, Inc. Work Order: 3600-04-51-0000

Client: WSI-LE CARPENTER

Matrix: WATER

Lab Sample ID: 9006L734-003

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: P061918

Level: (low/med) LOW

Date Received: 06/14/90

% Moisture: not dec. _____

Date Analyzed: 06/20/90

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	TRIMETHYL-CYCLOHEXANE	23.73	7	J
2.	XYLENES (TOTAL)	25.70	10000	CE
3.	UNKNOWN	28.17	90	J
4.	ETHYL-METHYL-BENZENE	30.90	90	J
5.	ETHYL-METHYL-BENZENE	31.97	40	J

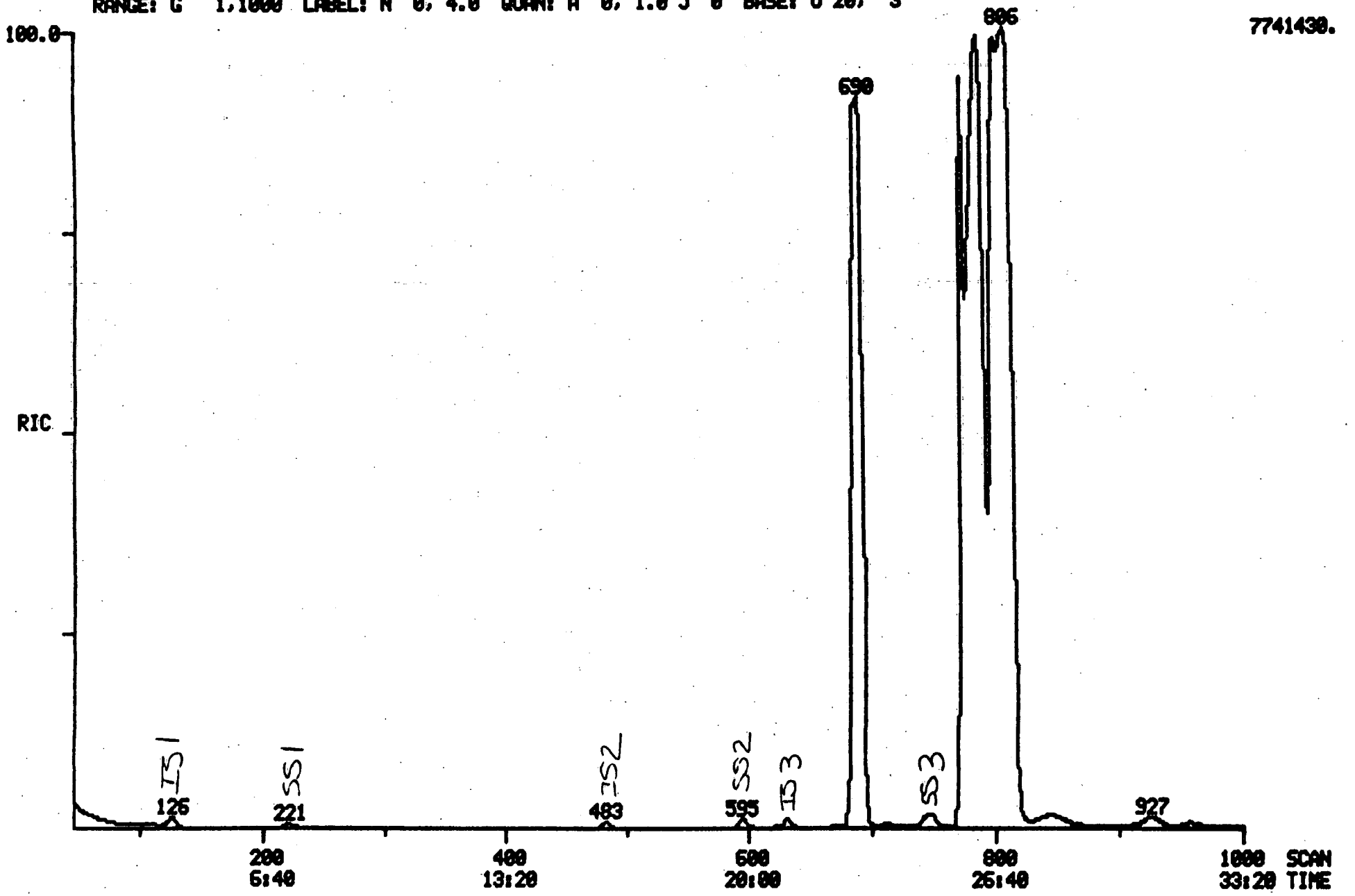
C: Response Factor from daily standard.

72

RIC
06/20/90 1:11:00
SAMPLE: 9006L734-003 WESTON SERVICE
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: P061918 #1
CALI: P061918 #2

SCANS 45 TO 1000



Quantitation Report File: P061918

Data: P061918.TI
06/20/90 1:11:00
Sample: 9006L734-003 WESTON SERVICE
Conds.: GC#1/1050P
Formula: P061910 Instrument: 1050P Weight: 0.003
Submitted by: P061910 Analyst: JT Acct. No.: 061990

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	IS1	BROMOCHLOROMETHANE
2	SS1	1,2-DICHLOROETHANE D4
3	45V	CHLOROMETHANE
4	46V	BROMOMETHANE
5	88V	VINYL CHLORIDE
6	16V	CHLOROETHANE
7	44V	METHYLENE CHLORIDE
8	13H	ACETONE
9	15H	CARBON DISULFIDE
10	29V	1,1-DICHLOROETHYLENE
11	13V	1,1-DICHLOROETHANE
12		1,2-DICHLOROETHENE (TOTAL)
13	23V	CHLOROFORM
14	10V	1,2-DICHLOROETHANE
15	IS2	1,4-DIFLUOROBENZENE
16	14H	2-BUTANONE
17	11V	1,1,1-TRICHLOROETHANE
18	6V	CARBON TETRACHLORIDE
19	19H	VINYL ACETATE
20	48V	BROMODICHLOROMETHANE
21	32V	1,2-DICHLOROPROPANE
22	33VC	CIS-1,3-DICHLOROPROPENE
23		TRICHLOROETHYLENE
24	51V	DIBROMOCHLOROMETHANE
25	14V	1,1,2-TRICHLOROETHANE
26	4V	BENZENE
27	33VT	TRANS-1,3-DICHLOROPROPENE
28	19V	2-CHLOROETHYL VINYL ETHER
29	47V	BROMOFORM
30	IS3	CHLOROBENZENE D5
31	SS2	TOLUENE D8
32	SS3	4-BROMOFLUOROBENZENE
33	17H	4-METHYL-2-PENTANONE
34	16H	2-HEXANONE
35	85V	TETRACHLOROETHYLENE
36	15V	1,1,2,2-TETRACHLOROETHANE
37	86V	TOLUENE
38	7V	CHLOROBENZENE
39	38V	ETHYLBENZENE
40	18H	STYRENE
41	20H	XYLENES (TOTAL)
42	26B	1,3-DICHLOROBENZENE
43	25B	1,2-DICHLOROBENZENE
44	27B	1,4-DICLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot	
1	128	126	4:12	1	1.000	A BB	79130.	50.000 UG/L	0.48	
2	65	221	7:22	1	1.754	A BB	89807.	46.525 UG/L	0.45	93
3	50	31	1:02	1	0.246	A BB	44080.	39.358 UG/L	0.38	—
4	NOT	FOUND								
5	NOT	FOUND								
6	NOT	FOUND								
7	84	69	2:18	1	0.548	A BB	5057.	2.085 UG/L	0.02	
8	43	73	2:26	1	0.579	A BB	1013.	1.157 UG/L	0.01	—
9	76	95	3:10	1	0.754	A BB	13734.	4.650 UG/L	0.04	
10	96	113	3:46	1	0.897	A BB	621.	0.359 UG/L	0.00	
11	NOT	FOUND								
12	NOT	FOUND								
13	83	198	6:36	1	1.571	A BB	648.	0.178 UG/L	0.00	
14	62	225	7:30	1	1.786	A BB	1886.	0.894 UG/L	0.01	
15	114	483	16:06	15	1.000	A BB	153585.	50.000 UG/L	0.48	OK
16	NOT	FOUND								
17	NOT	FOUND								
18	NOT	FOUND								
19	NOT	FOUND								
20	NOT	FOUND								
21	NOT	FOUND								
22	NOT	FOUND								
23	130	385	12:50	15	0.797	A BB	982.	0.663 UG/L	0.01	
24	NOT	FOUND								
25	NOT	FOUND								
26	78	395	13:10	15	0.818	A BB	2320.	0.723 UG/L	0.01	
27	NOT	FOUND								
28	NOT	FOUND								
29	NOT	FOUND								
30	117	632	21:04	30	1.000	A BB	149488.	50.000 UG/L	0.48	OK
31	98	595	19:50	30	0.941	A BB	199548.	51.001 UG/L	0.49	102
32	95	749	24:58	30	1.185	A BB	130711.	53.578 UG/L	0.51	107
33	NOT	FOUND								
34	43	556	18:32	30	0.880	A BB	633.	0.487 UG/L	0.00	
35	NOT	FOUND								
36	NOT	FOUND								
37	92	601	20:02	30	0.951	A BB	10909.	4.460 UG/L	0.04	
38	112	635	21:10	30	1.005	A VB	4880.	1.597 UG/L	0.02	—
39	106	691	23:02	30	1.093	A BB	7316170.	5066.400 UG/L	48.48	
40	NOT	FOUND								
41	106	812	27:04	30	1.285	A BB	7183030.	5025.240 UG/L	48.09	
42	NOT	FOUND								
43	NOT	FOUND								
44	146	921	30:42	30	1.457	A BV	2324.	0.692 UG/L	0.01	

x times $\frac{7147480 + 7183030}{7183030} \times 5025.24 = 10{,}025.61$

Quantitation Report File: 1018TIC

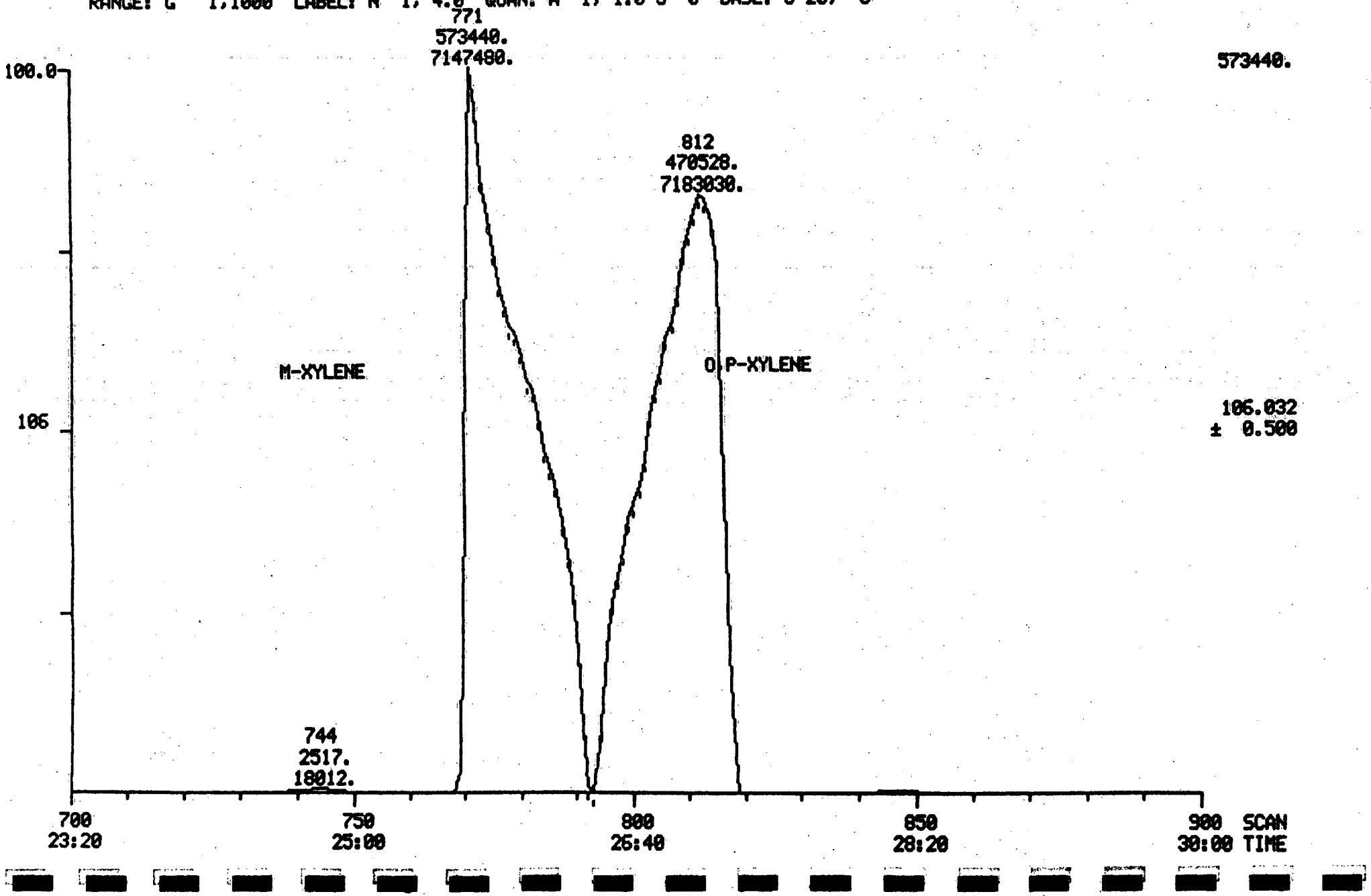
Data: P061918.TI
06/20/90 1:11:00
Sample: 9006L734-003 WESTON SERVICE
Conds.: GC#1/1050P
Formula: P061910 Instrument: 1050P Weight: 0.003
Submitted by: P061910 Analyst: JT Acct. No.: 061990

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	IS3 CHLOROBENZENE D5
2	UNKNOWN
3	UNKNOWN
4	UNKNOWN
5	UNKNOWN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot	
1	RIC	632	21:04	1	1.000	A BB	595631.	50.000	UG/L	16.76	
2	RIC	712	23:44	3	0.843	A BB	83200.	7.451		2.50	6.98
3	RIC	845	28:10	3	1.000	A BB	1116670.	100.000		33.51	93.74
4	RIC	927	30:54	3	1.097	A BB	1072310.	96.028		32.18	90.01
5	RIC	959	31:58	3	1.135	A BB	501568.	44.916		15.05	42.1

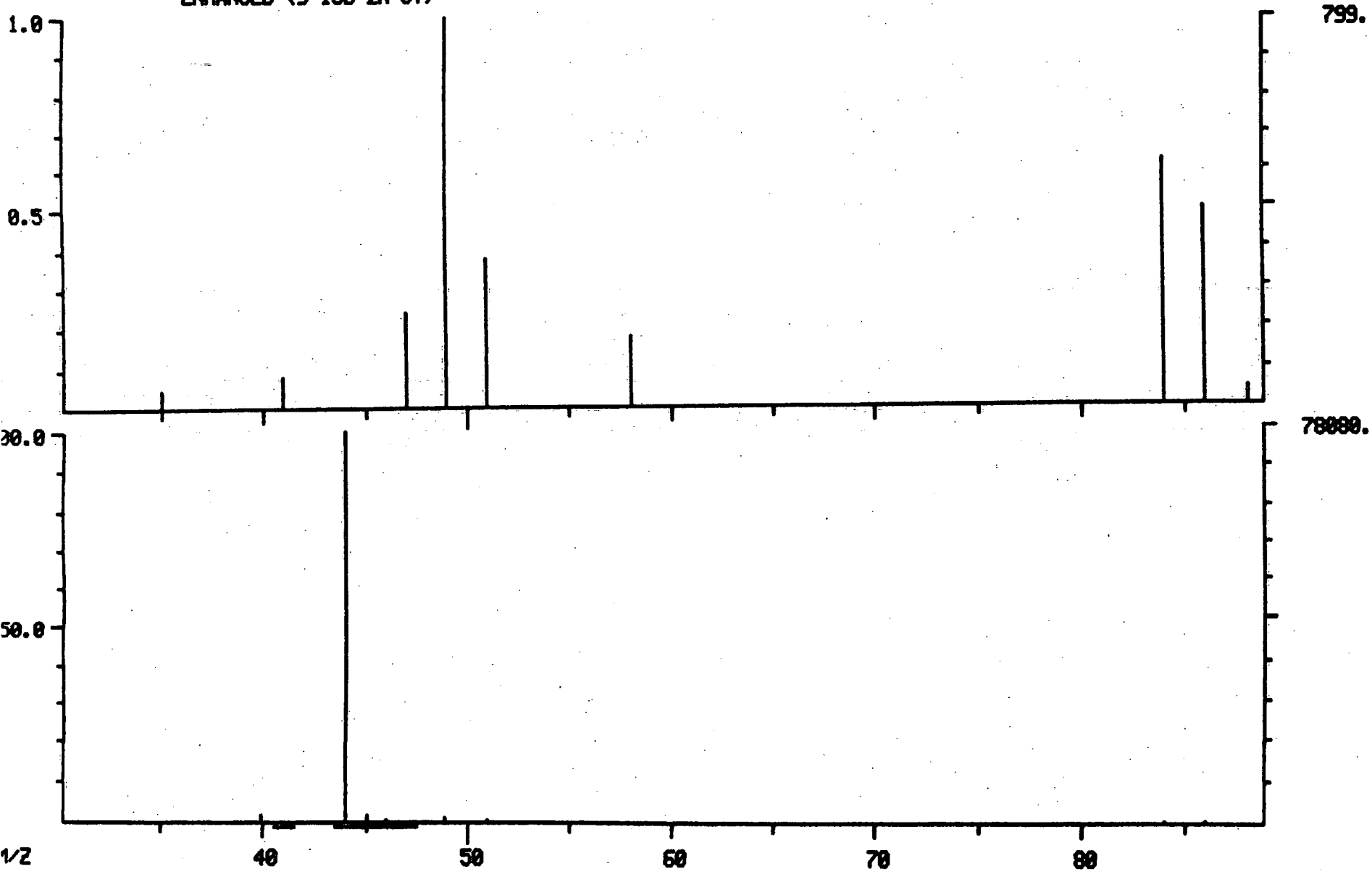
MASS CHROMATOGRAM DATA: P061918 #1 SCANS 700 TO 900
06/20/90 1:11:00 CALI: P061918 #2
SAMPLE: 9006L734-003 WESTON SERVICE
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



DUAL MASS SPECTRUM
06/20/90 1:11:00 + 2:18
SAMPLE: 9006L734-003 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061918 #69
CALI: P061918 #2

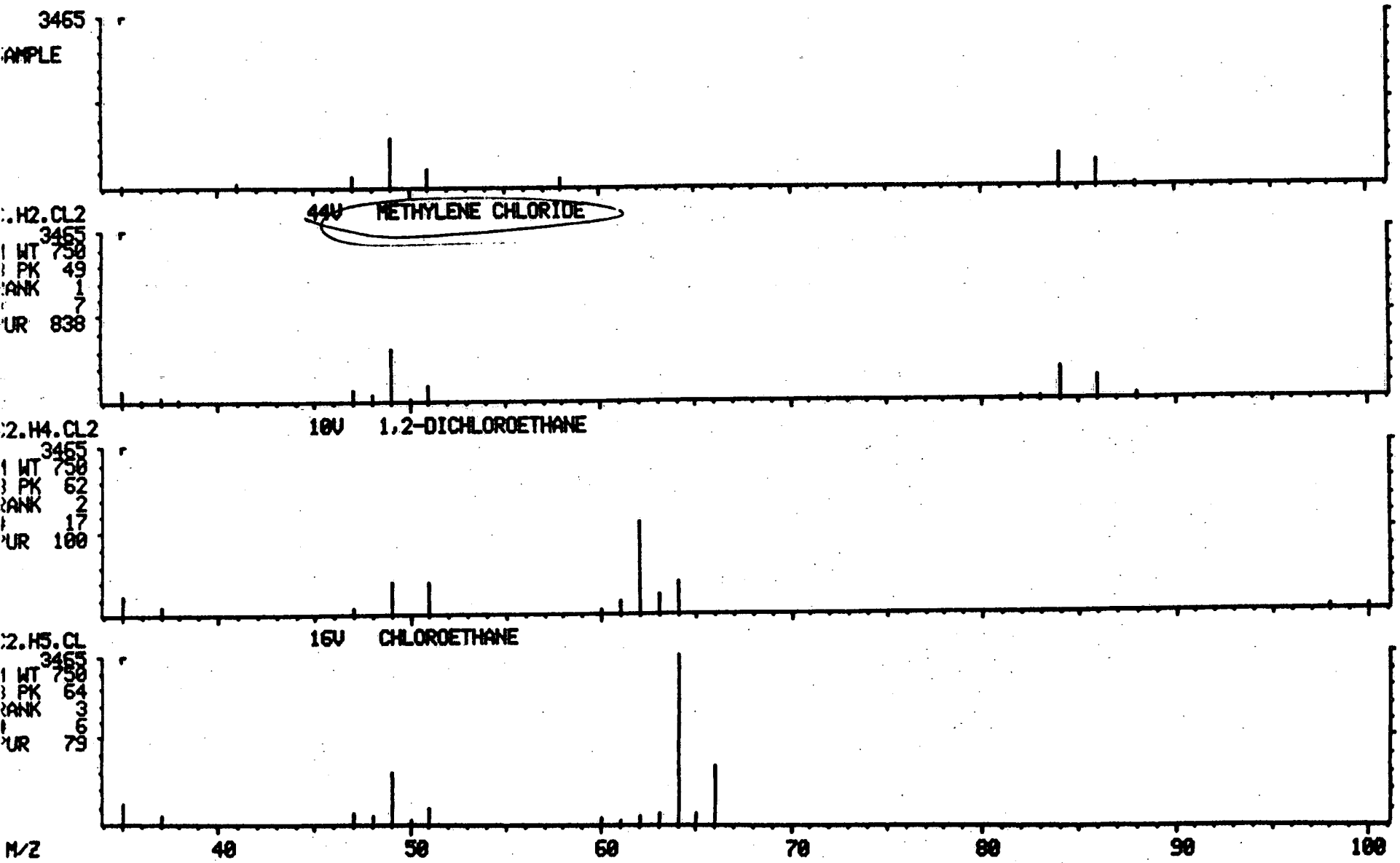
BASE M/Z: 49/ 44
RIC: 2475./ 83839.



LIBRARY SEARCH
06/20/90 1:11:00 + 2:18
SAMPLE: 9006L734-003 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061918 # 69
CALI: P061918 # 2

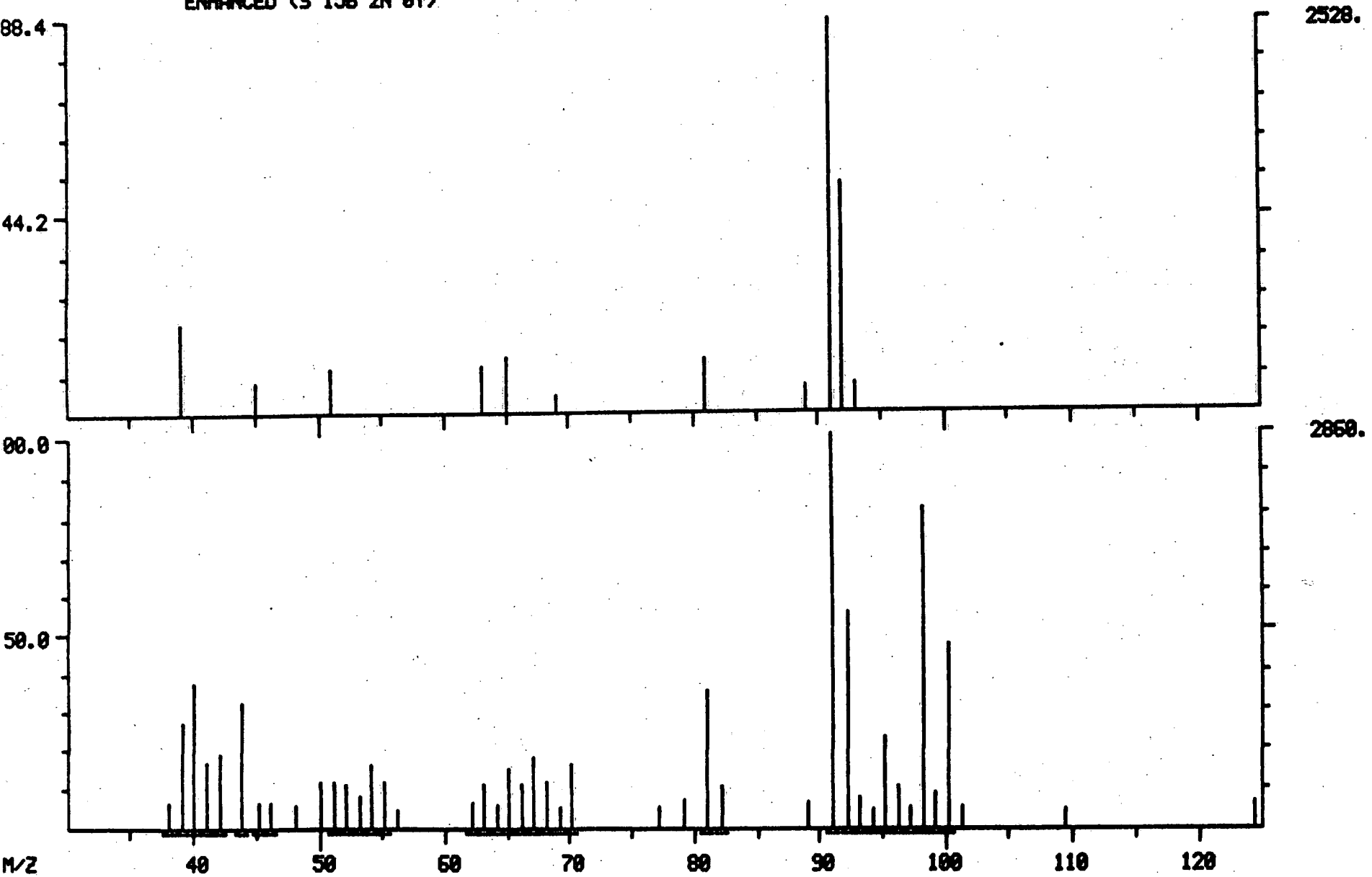
BASE M/Z: 49
RIC: 2475.



DUAL MASS SPECTRUM
06/20/90 1:11:00 + 20:02
SAMPLE: 9006L734-003 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061918 #601
CALI: P061918 #2

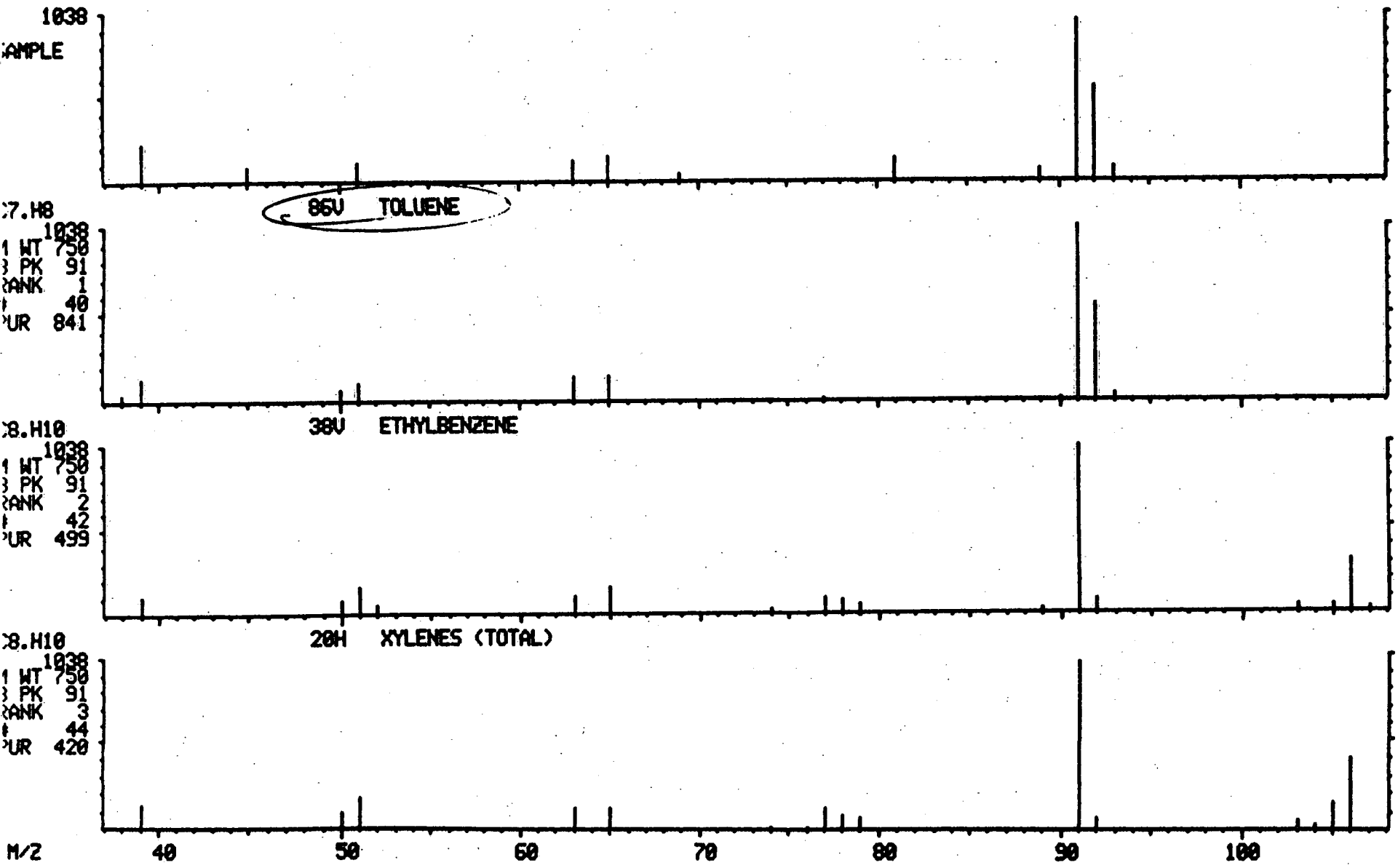
BASE M/Z: 91/ 91
RIC: 6623./ 21663.



LIBRARY SEARCH
06/20/90 1:11:00 + 20:02
SAMPLE: 9006L734-003 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061918 # 601
CALI: P061918 # 2

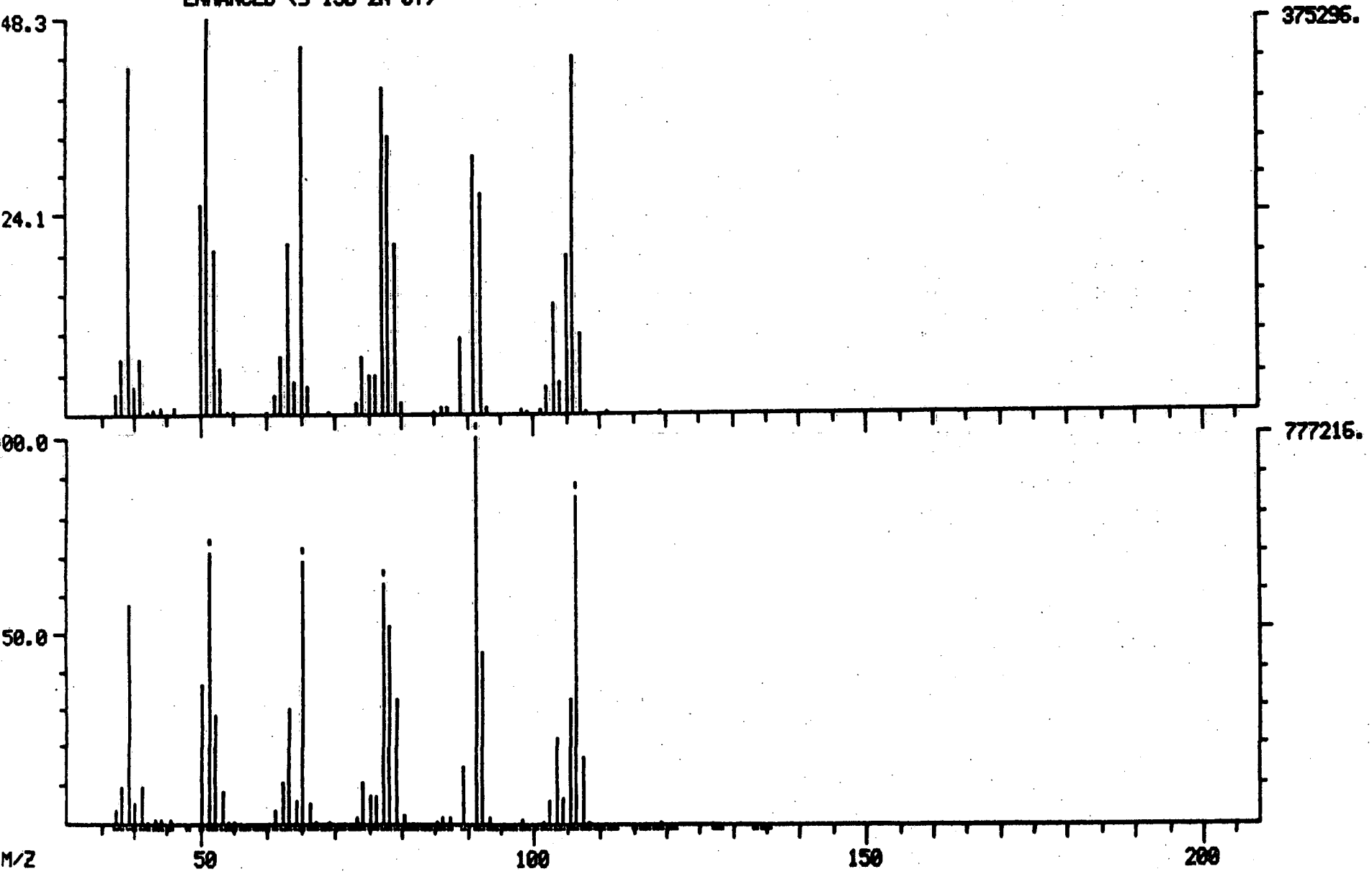
BASE M/Z: 91
RIC: 6623.



DUAL MASS SPECTRUM
06/20/90 1:11:00 + 23:02
SAMPLE: 9006L734-003 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061918 #691
CALI: P061918 #2

BASE M/Z: 51/ 91
RIC: 4087800./ 6758390.

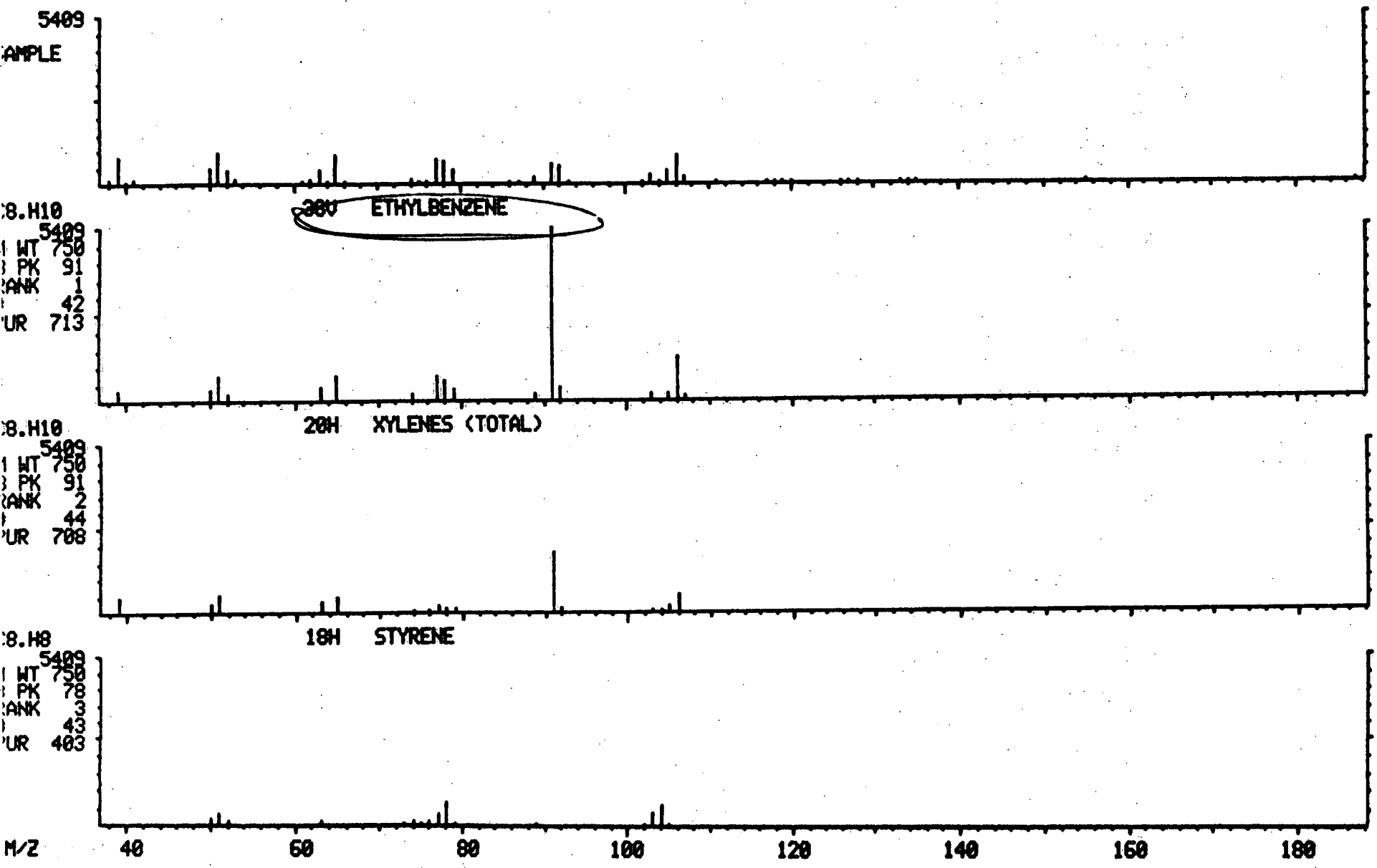


82

LIBRARY SEARCH
06/20/90 1:11:00 + 23:02
SAMPLE: 9006L734-003 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061918 # 691
CALI: P061918 # 2

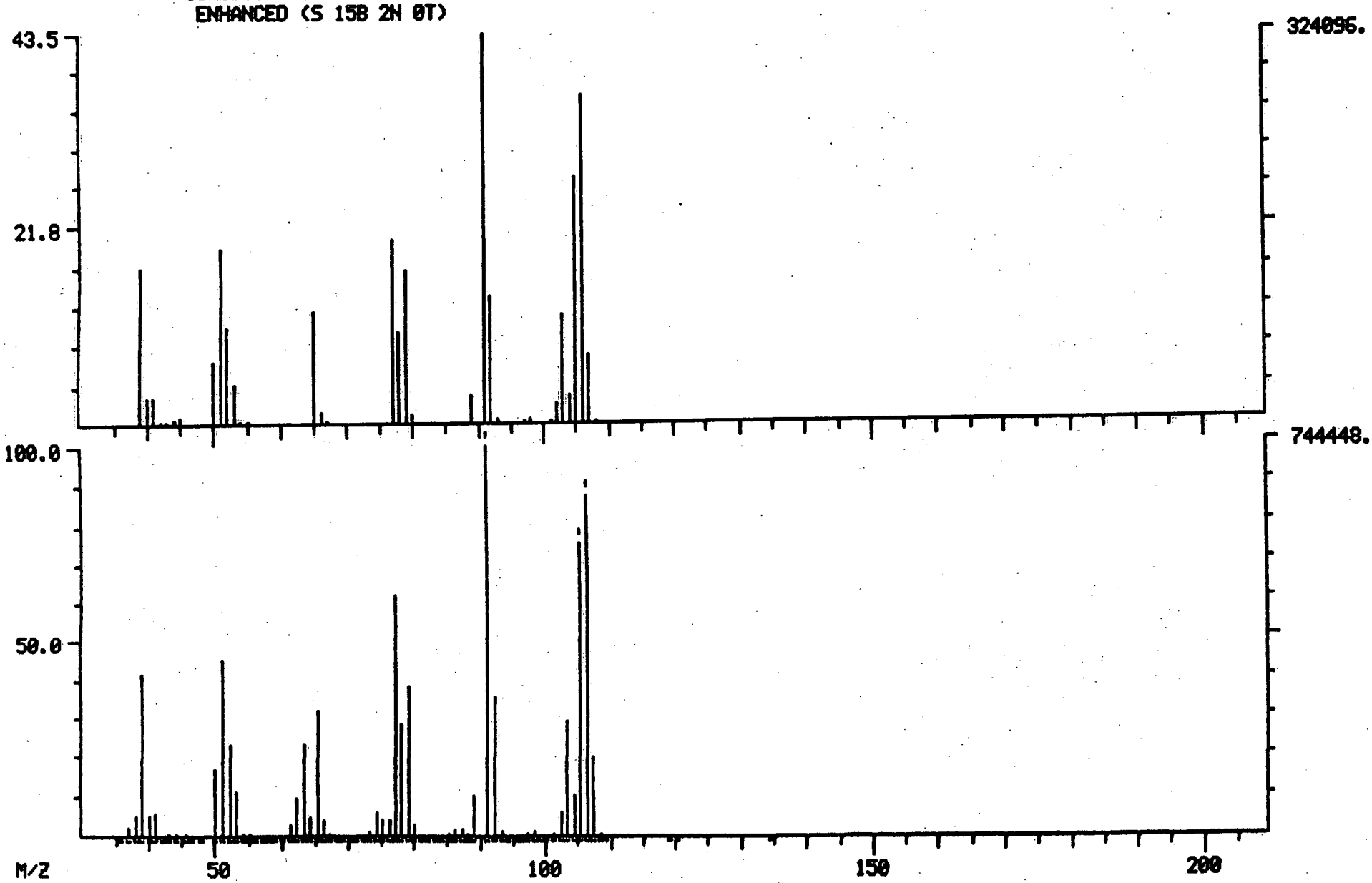
BASE M/Z: 51
RIC: 4005880.



DUAL MASS SPECTRUM
06/20/90 1:11:00 + 25:42
SAMPLE: 9006L734-003 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061918 #771
CALI: P061918 #2

BASE M/Z: 91/ 91
RIC: 2109430./ 5668860.

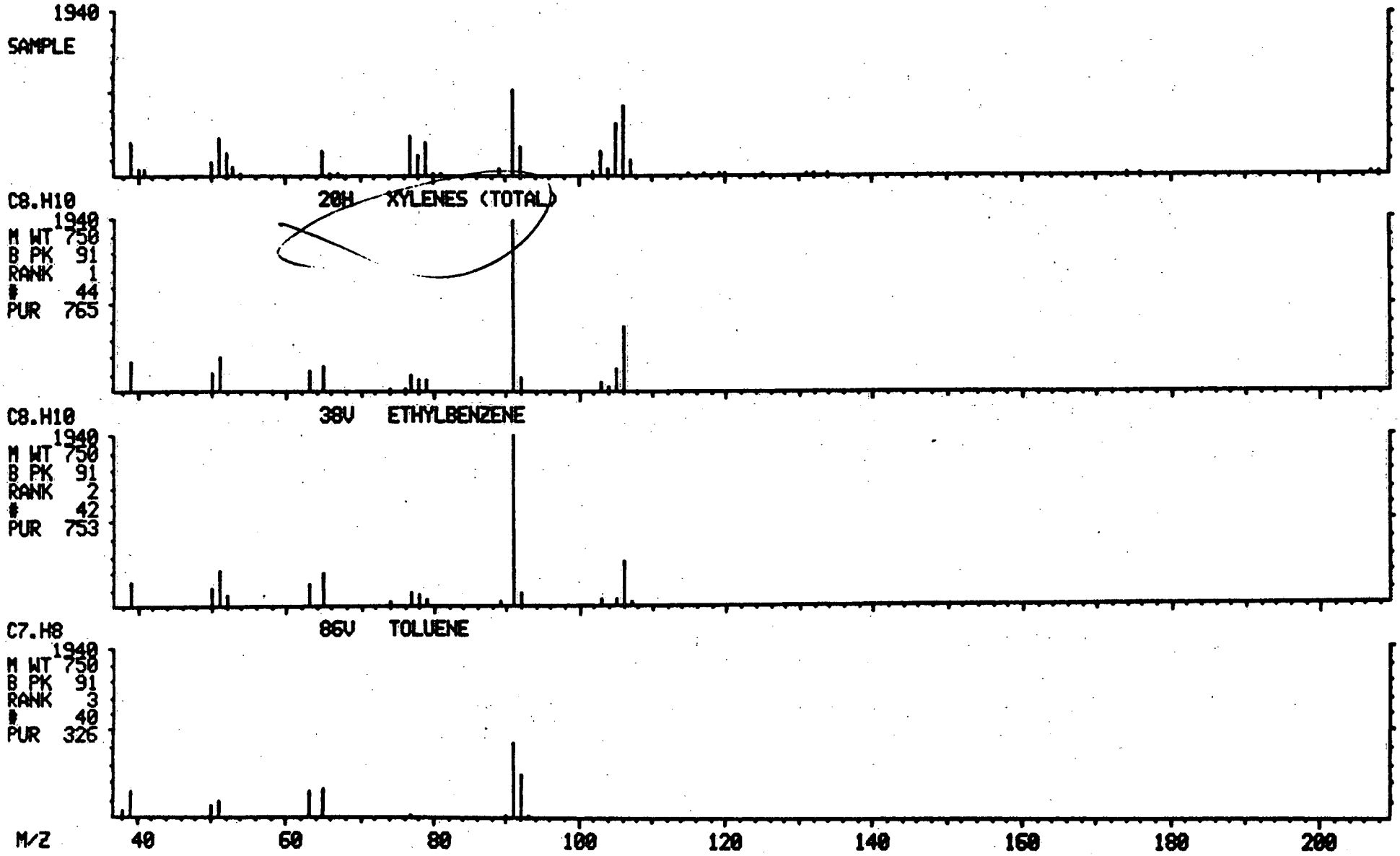


84

LIBRARY SEARCH
06/20/90 1:11:00 + 25:42
SAMPLE: 9006L734-003 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061918 # 771
CALI: P061918 # 2

BASE M/Z: 91
RIC: 2078710.

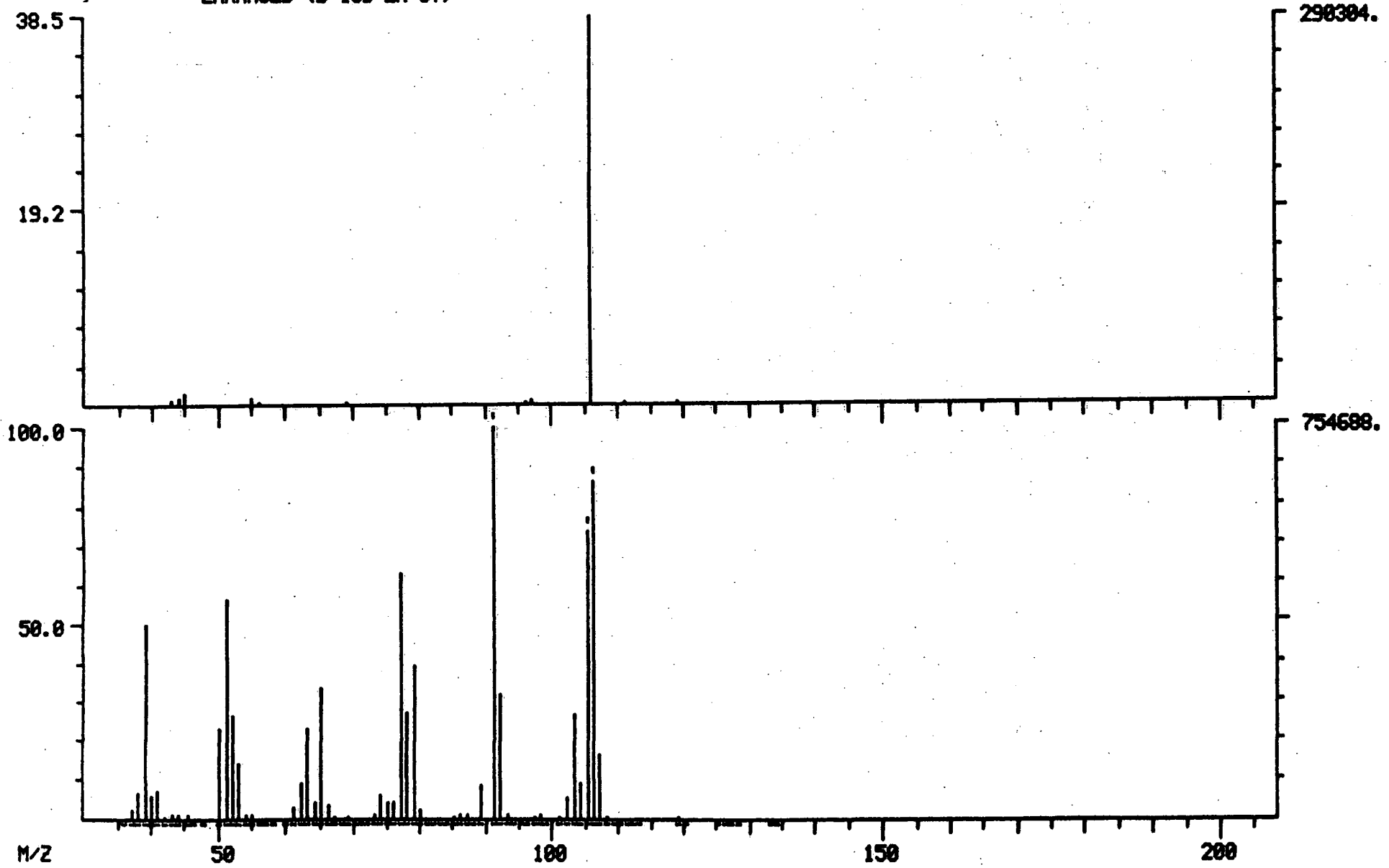


85

DUAL MASS SPECTRUM
06/20/90 1:11:00 + 27:04
SAMPLE: 9006L734-003 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061918 #812
CALI: P061918 #2

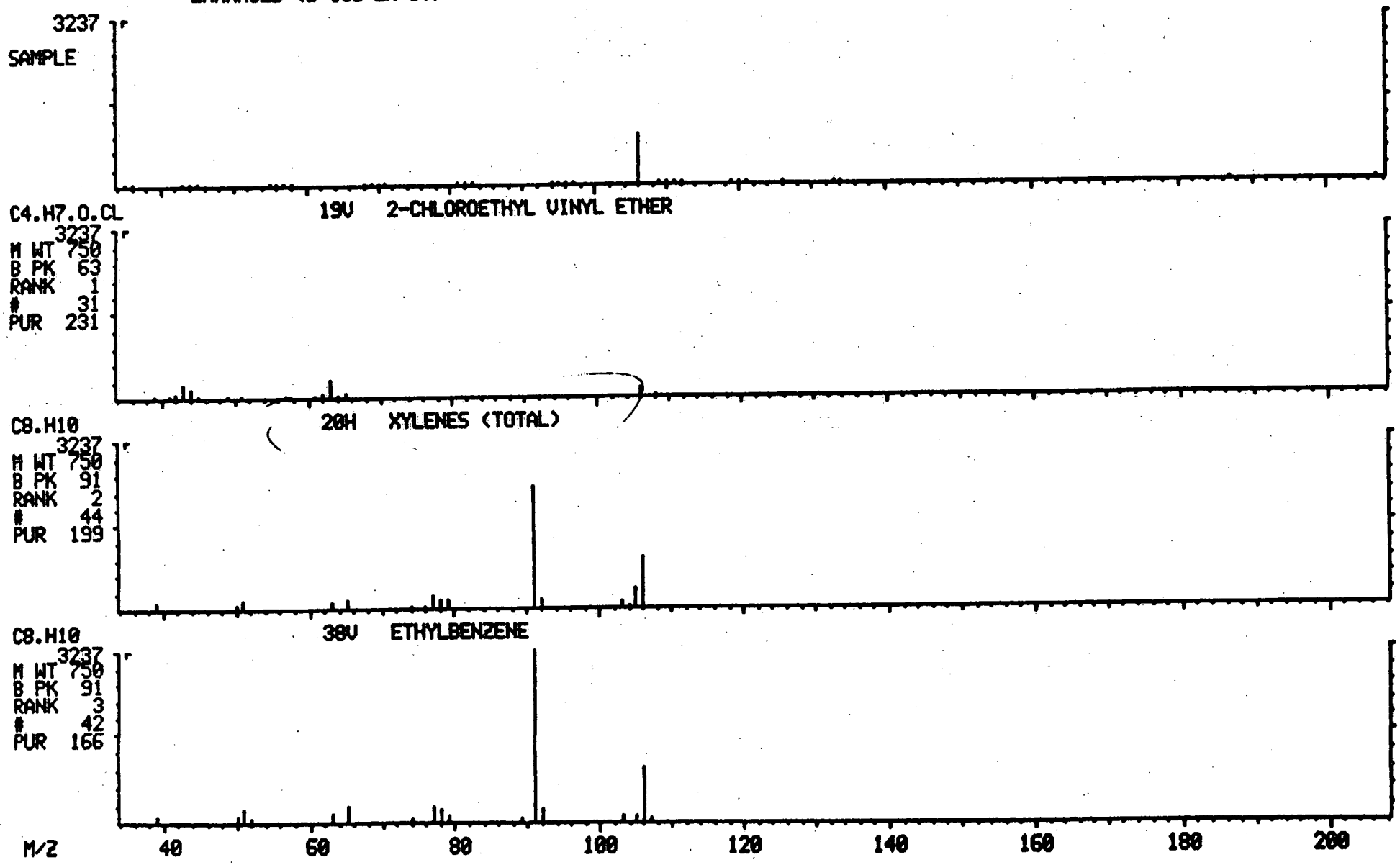
BASE M/Z: 106/ 91
RIC: 326143./ 5947390.



LIBRARY SEARCH
06/20/90 1:11:00 + 27:04
SAMPLE: 9006L734-003 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061918 # 812
CALI: P061918 # 2

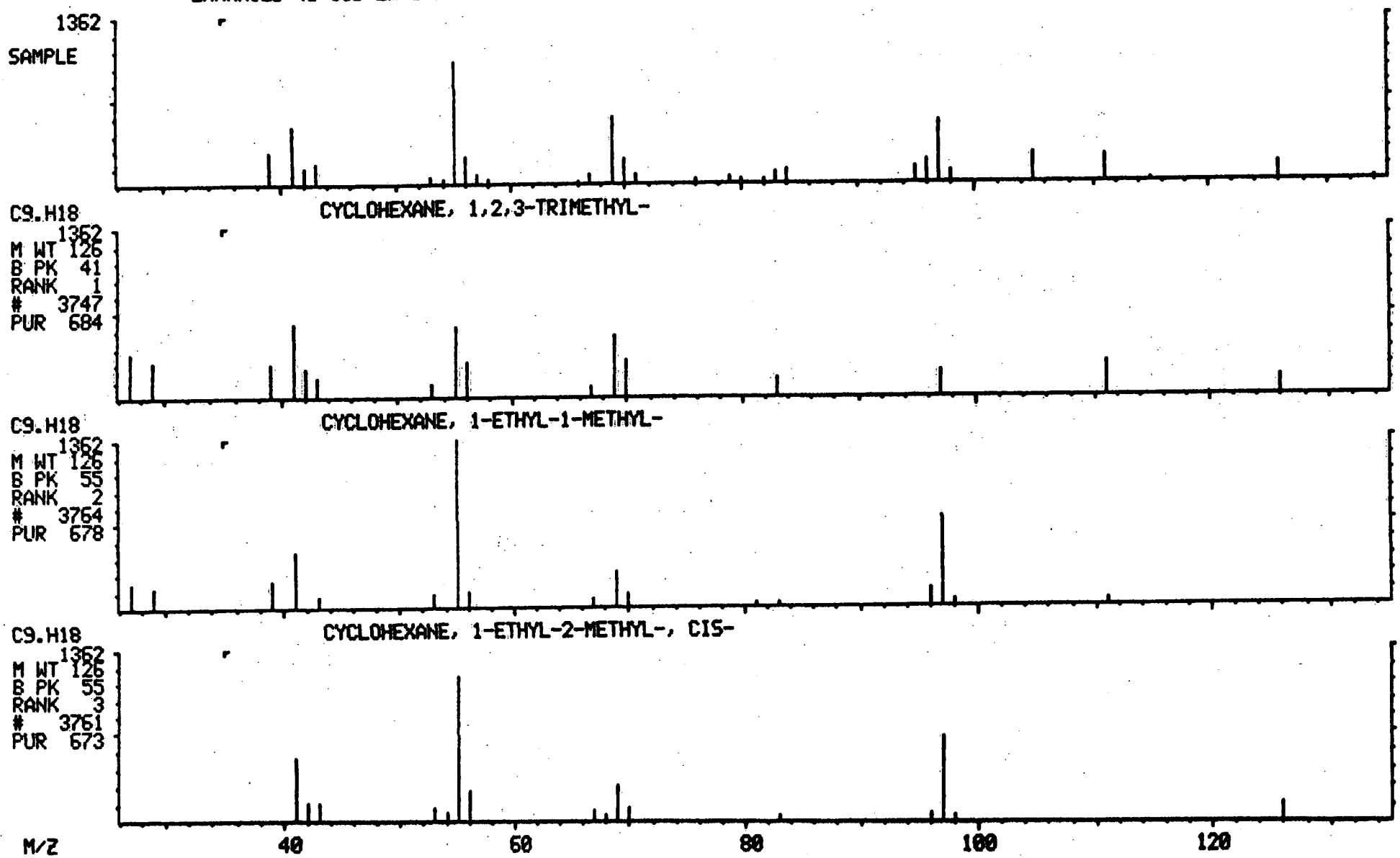
BASE M/Z: 106
RIC: 326143.



LIBRARY SEARCH
06/20/90 1:11:00 + 23:44
SAMPLE: 9006L734-003 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061918 # 712
CALI: P061918 # 2

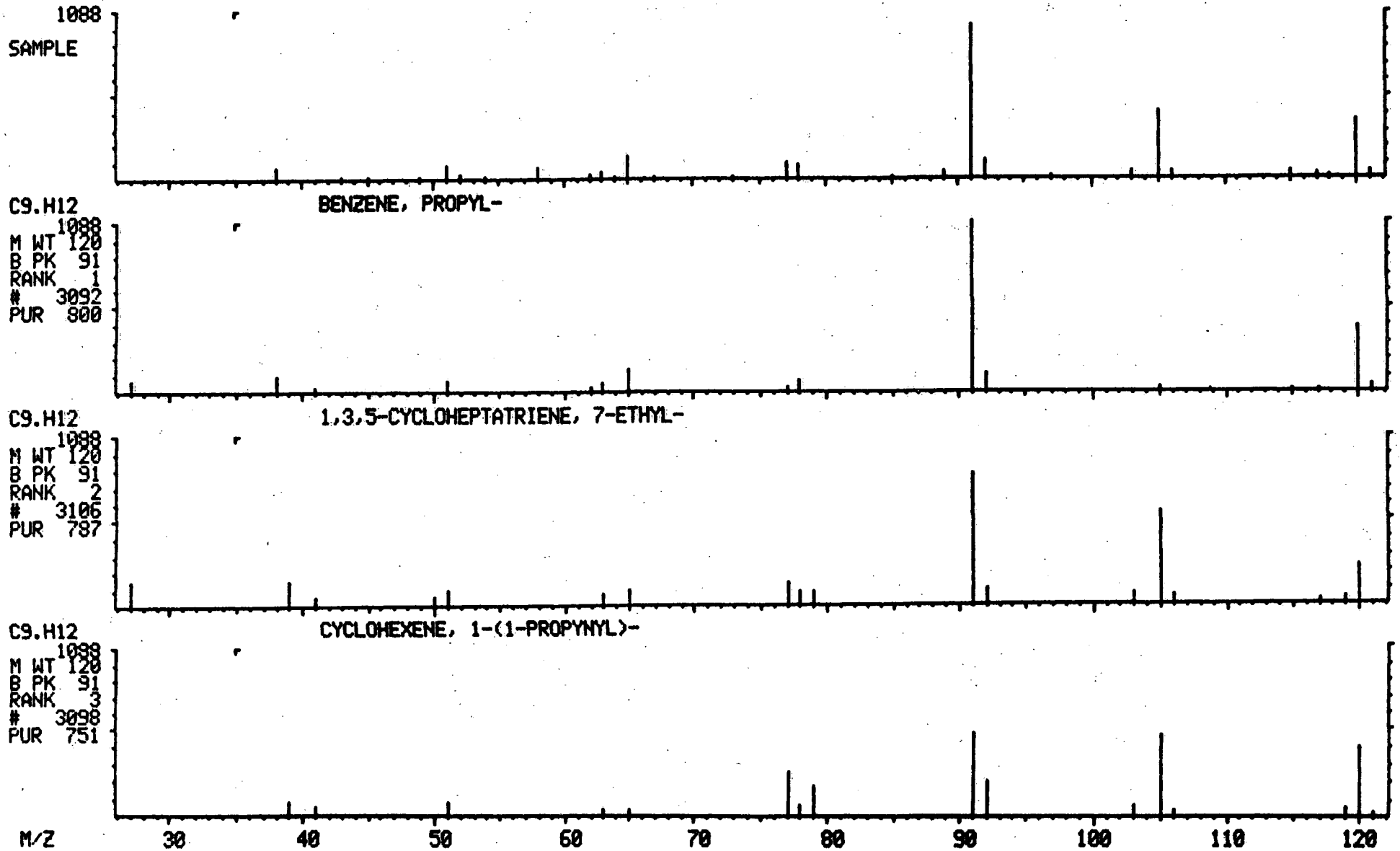
BASE M/Z: 55
RIC: 11711.



LIBRARY SEARCH
06/20/90 1:11:00 + 28:10
SAMPLE: 9006L734-003 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061918 # 845
CALI: P061918 # 2

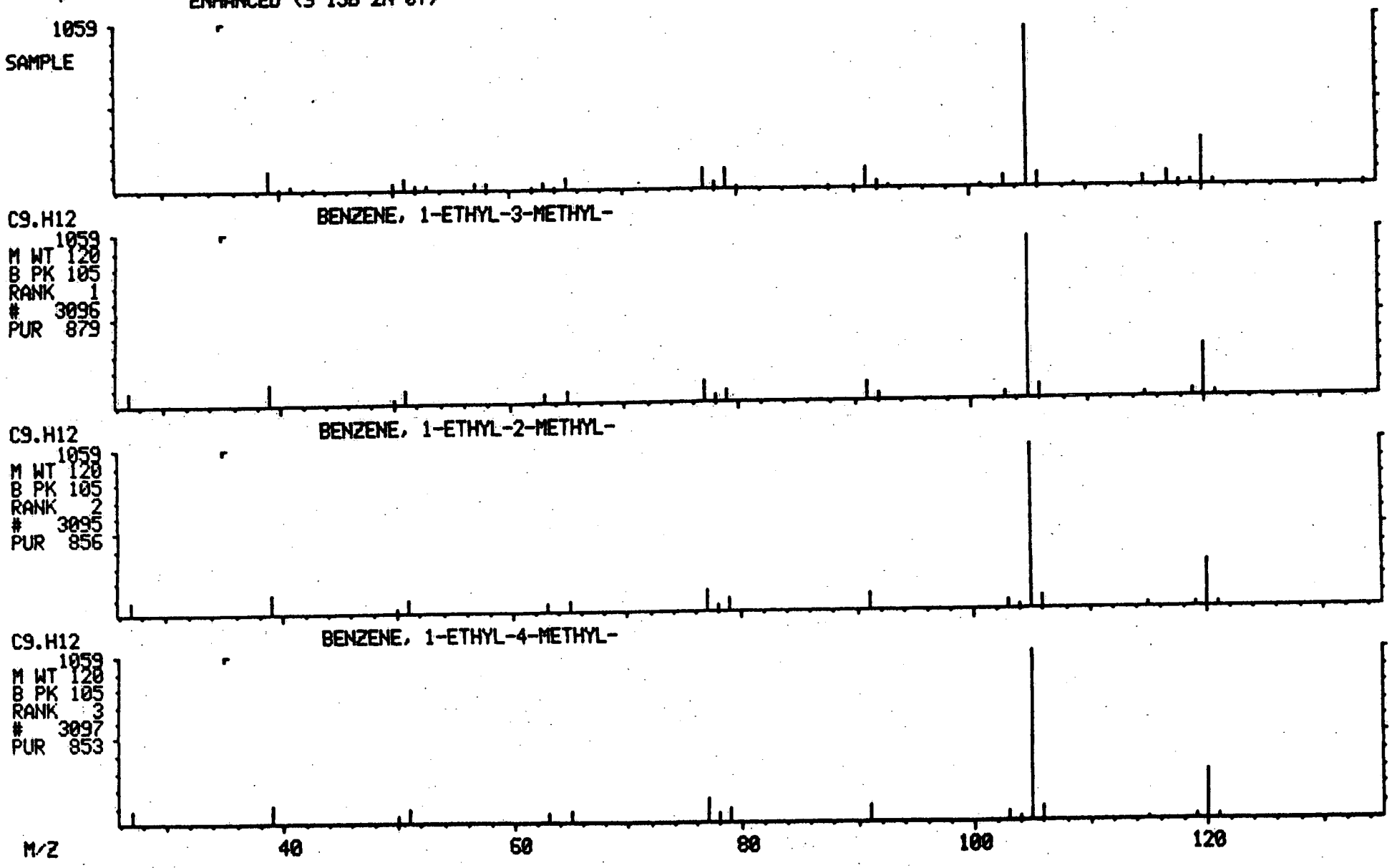
BASE M/Z: 91
RIC: 25919.



LIBRARY SEARCH
06/20/90 1:11:00 + 30:54
SAMPLE: 9006L734-003 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061918 # 927
CALI: P061918 # 2

BASE M/Z: 105
RIC: 37183.

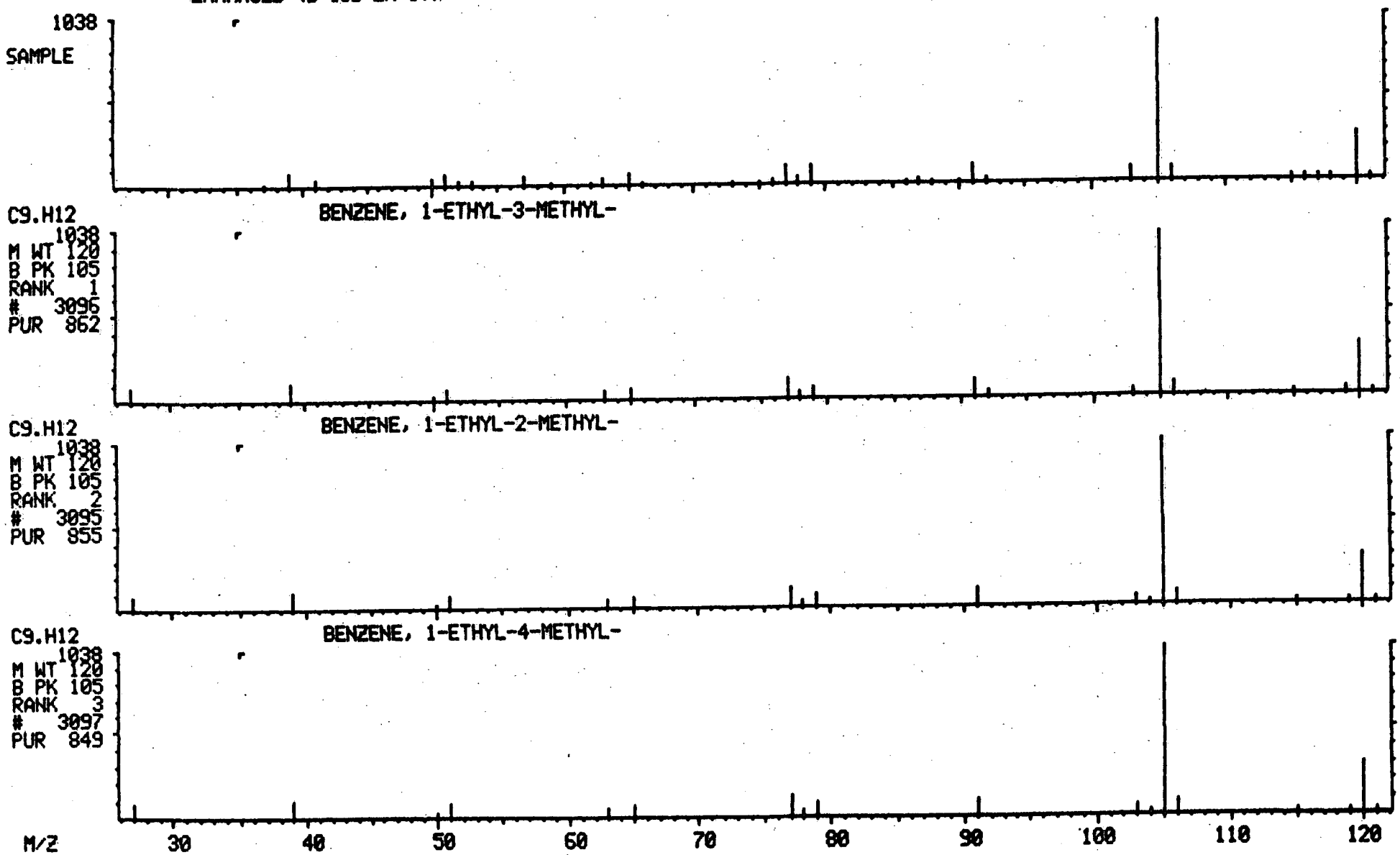


90

LIBRARY SEARCH
06/20/90 1:11:00 + 31:58
SAMPLE: 9006L734-003 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061918 # 959
CALI: P061918 # 2

BASE M/Z: 105
RIC: 15071.



1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO. 91

L.E. CARPENTER MW-3DL

Lab Name: Roy F. Weston, Inc. Work Order: 3600-04-51-0000

Client: WSI-LE CARPENTER

Matrix: WATER Lab Sample ID: 9006L734-003 DL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P062007

Level: (low/med) LOW Date Received: 06/14/90

% Moisture: not dec. _____ Date Analyzed: 06/20/90

Column: (pack/cap) PACK Dilution Factor: 100

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	
74-87-3	Chloromethane	NA	
74-83-9	Bromomethane	NA	
75-01-4	Vinyl Chloride	NA	
75-00-3	Chloroethane	NA	
75-09-2	Methylene Chloride	NA	
75-35-4	1,1-Dichloroethene	NA	
75-34-3	1,1-Dichloroethane	NA	
540-59-0	1,2-Dichloroethene (total)	NA	
67-66-3	Chloroform	NA	
107-06-2	1,2-Dichloroethane	NA	
71-55-6	1,1,1-Trichloroethane	NA	
56-23-5	Carbon Tetrachloride	NA	
75-27-4	Bromodichloromethane	NA	
78-87-5	1,2-Dichloropropane	NA	
10061-01-5	cis-1,3-Dichloropropene	NA	
79-01-6	Trichloroethene	NA	
124-48-1	Dibromochloromethane	NA	
79-00-5	1,1,2-Trichloroethane	NA	
71-43-2	Benzene	NA	
10061-02-6	Trans-1,3-Dichloropropene	NA	
110-75-8	2-chloroethylvinylether	NA	
75-25-2	Bromoform	NA	
127-18-4	Tetrachloroethene	NA	
79-34-5	1,1,2,2-Tetrachloroethane	NA	
108-88-3	Toluene	NA	
108-90-7	Chlorobenzene	NA	
100-41-4	Ethylbenzene	3700	
95-50-1	1,2-Dichlorobenzene	NA	
541-73-1	1,3-Dichlorobenzene	NA	
106-46-7	1,4-Dichlorobenzene	NA	

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

L.E. CARPENTER MW-3DL

Lab Name: Roy F. Weston, Inc. Work Order: 3600-04-51-0000

Client: WSI-LE CARPENTER

Matrix: WATER

Lab Sample ID: 9006L734-003 DL

Sample wt/vol: .0500 (g/mL) ML

Lab File ID: P062007

Level: (low/med) LOW

Date Received: 06/14/90

% Moisture: not dec. _____

Date Analyzed: 06/20/90

Column: (pack/cap) PACK

Dilution Factor: 100

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

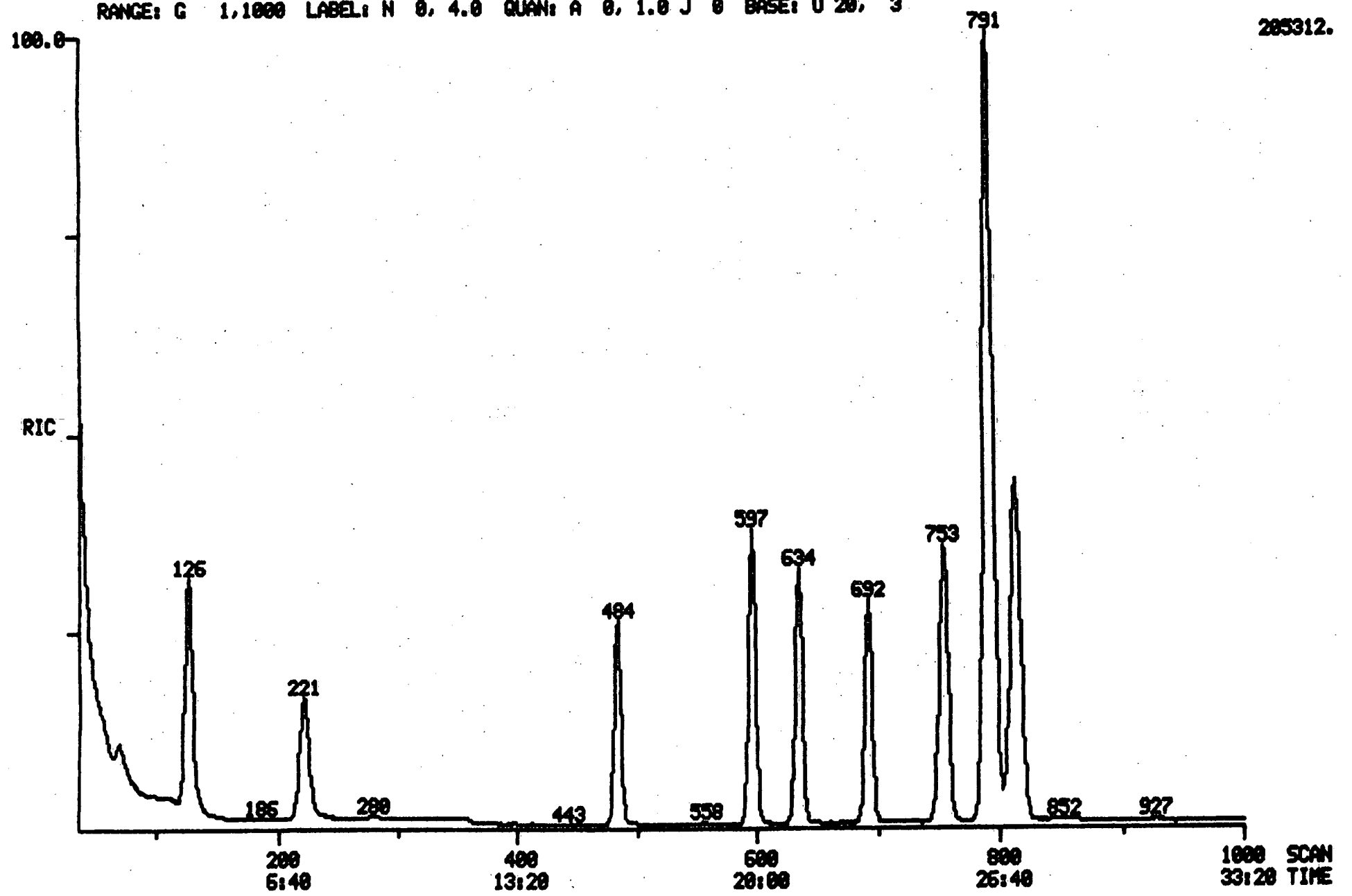
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

93

RIC
06/20/90 12:50:00
SAMPLE: 9006L734-003D1 WESTON SERVICES/DF=100
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: P062007 #1
CALI: P062007 #2

SCANS 35 TO 1000



Quantitation Report File: P062007

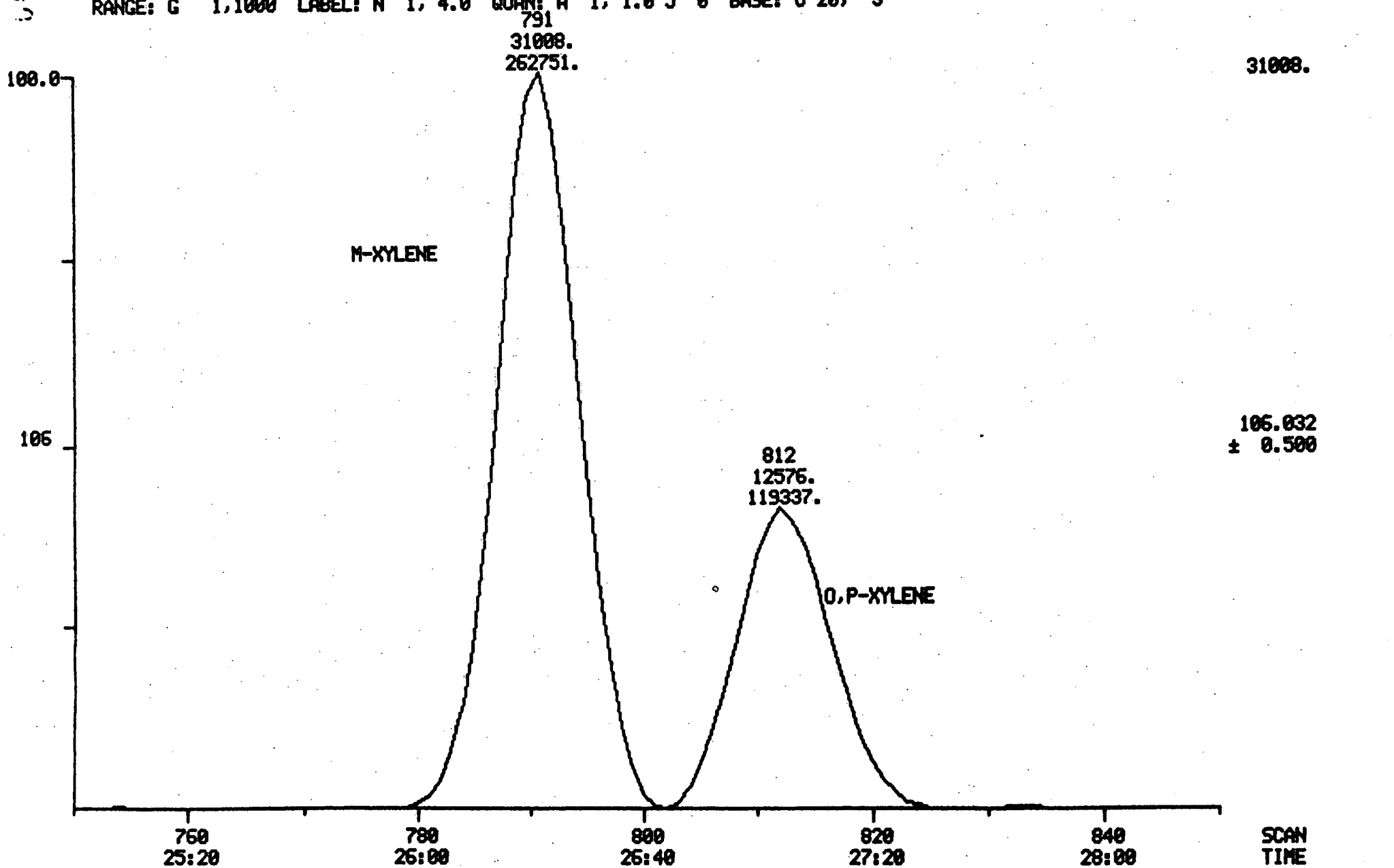
Data: P062007.TI
06/20/90 12:50:00
Sample: 9006L734-003D1 WESTON SERVICES/DF=100
Conds.: QC#1/1050P
Formula: P062002 Instrument: 1050P Weight: 0.001
Submitted by: P062001 Analyst: CAB Acct. No.: 062090

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	IS1	BROMOCHLOROMETHANE
2	SS1	1,2-DICHLOROETHANE D4
3	45V	CHLOROMETHANE
4	46V	BROMOMETHANE
5	88V	VINYL CHLORIDE
6	16V	CHLOROETHANE
7	44V	METHYLENE CHLORIDE
8	13H	ACETONE
9	15H	CARBON DISULFIDE
10	29V	1,1-DICHLOROETHYLENE
11	13V	1,1-DICHLOROETHANE
12		1,2-DICHLOROETHENE (TOTAL)
13	23V	CHLOROFORM
14	10V	1,2-DICHLOROETHANE
15	IS2	1,4-DIFLUOROBENZENE
16	14H	2-BUTANONE
17	11V	1,1,1-TRICHLOROETHANE
18	6V	CARBON TETRACHLORIDE
19	19H	VINYL ACETATE
20	48V	BROMODICHLOROMETHANE
21	32V	1,2-DICHLOROPROPANE
22	33VC	CIS-1,3-DICHLOROPROPENE
23		TRICHLOROETHYLENE
24	51V	DIBROMOCHLOROMETHANE
25	14V	1,1,2-TRICHLOROETHANE
26	4V	BENZENE
27	33VT	TRANS-1,3-DICHLOROPROPENE
28	19V	2-CHLOROETHYL VINYL ETHER
29	47V	BROMOFORM
30	IS3	CHLOROBENZENE D5
31	SS2	TOLUENE D8
32	SS3	4-BROMOFLUOROBENZENE
33	17H	4-METHYL-2-PENTANONE
34	16H	2-HEXANONE
35	85V	TETRACHLOROETHYLENE
36	15V	1,1,2,2-TETRACHLOROETHANE
37	86V	TOLUENE
38	7V	CHLOROBENZENE
39	38V	ETHYLBENZENE
40	18H	STYRENE
41	20H	XYLENES (TOTAL)
42	26B	1,3-DICHLOROBENZENE
43	25B	1,2-DICHLOROBENZENE
44	27B	1,4-DICLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	126	4:12	1	1.000	A BB	65701.	50.000 UG/L	10.99
2	65	222	7:24	1	1.762	A BB	80379.	57.473 UG/L	12.63
3	50	31	1:02	1	0.246	A BB	1945.	1.757 UG/L	0.39
4	NOT	FOUND							
5	NOT	FOUND							
6	NOT	FOUND							
7	84	69	2:18	1	0.548	A BB	9630.	5.277 UG/L	1.16
8	43	69	2:18	1	0.548	A BB	2031.	3.409 UG/L	0.75
9	NOT	FOUND							
10	NOT	FOUND							
11	NOT	FOUND							
12	NOT	FOUND							
13	NOT	FOUND							
14	NOT	FOUND							
15	114	483	16:06	15	1.000	A BB	134499.	50.000 UG/L	10.99
16	NOT	FOUND							
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	78	396	13:12	15	0.820	A BB	242.	0.091 UG/L	0.02
27	NOT	FOUND							
28	NOT	FOUND							
29	NOT	FOUND							
30	117	634	21:08	30	1.000	A BB	132769.	50.000 UG/L	10.99
31	98	596	19:52	30	0.940	A BB	183937.	55.369 UG/L	12.17
32	95	753	25:06	30	1.188	A BB	118413.	57.112 UG/L	12.55
33	NOT	FOUND							
34	NOT	FOUND							
35	NOT	FOUND							
36	NOT	FOUND							
37	92	601	20:02	30	0.948	A BB	1196.	0.580 UG/L	0.13
38	112	638	21:16	30	1.006	A BB	1378.	0.506 UG/L	0.11
39	106	691	23:02	30	1.090	A BB	47906.	37.142 UG/L	8.16
40	NOT	FOUND							
41	106	812	27:04	30	1.281	A BB	~~115582.~~ 392087	~~86.116~~ 284.680 UG/L	18.93
42	NOT	FOUND							
43	146	925	30:50	30	1.459	A BB	210.	0.171 UG/L	0.04
44	NOT	FOUND							

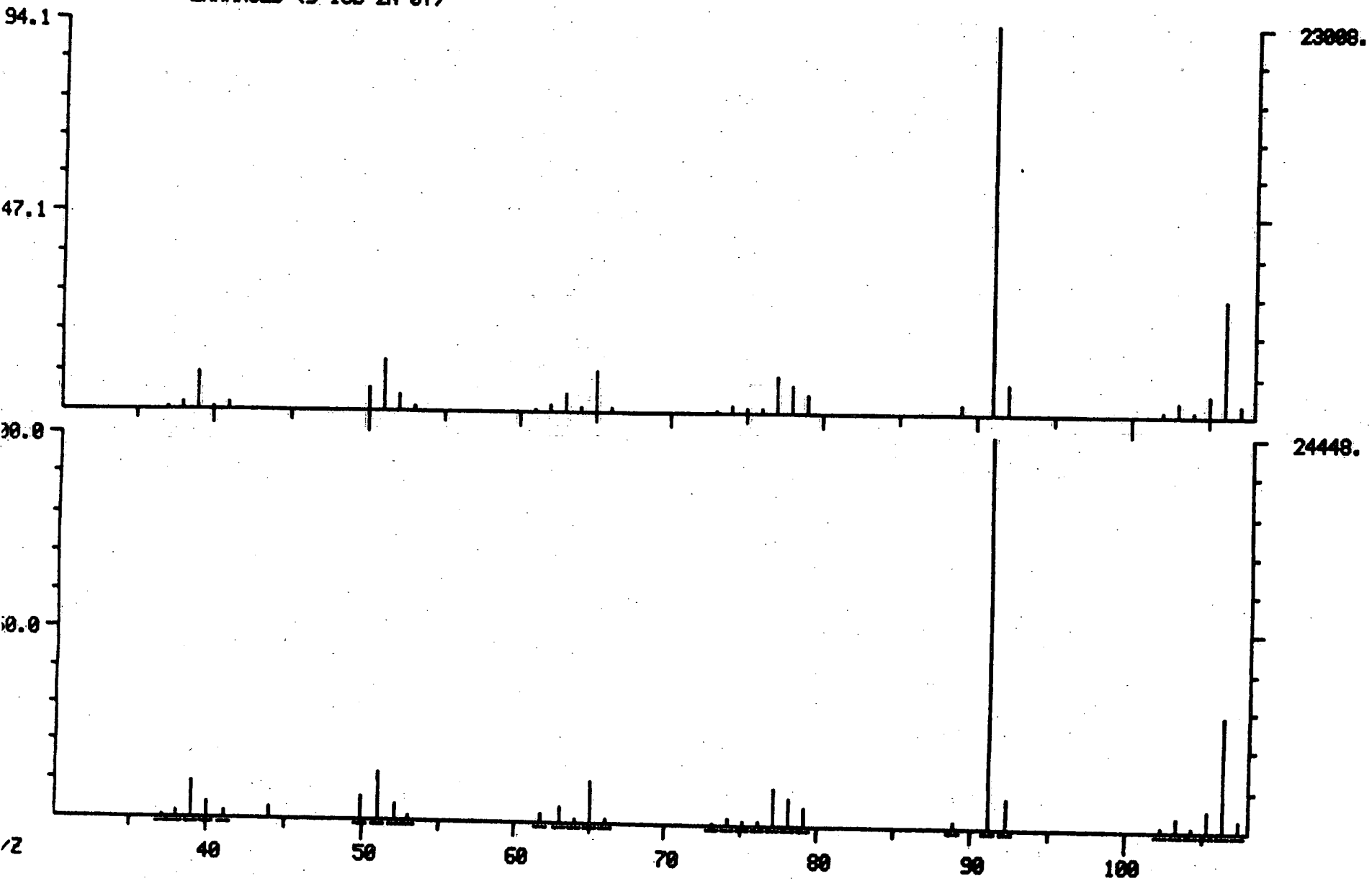
MASS CHROMATOGRAM DATA: P062007 #1 SCANS 750 TO 850
06/20/90 12:50:00 CALI: P062007 #2
SAMPLE: 9006L734-00301 WESTON SERVICES/DF=100
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



DUAL MASS SPECTRUM
06/20/90 12:50:00 + 23:02
SAMPLE: 9006L734-003D1 WESTON SERVICES/DF=100
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P062007 #691
CALI: P062007 #2

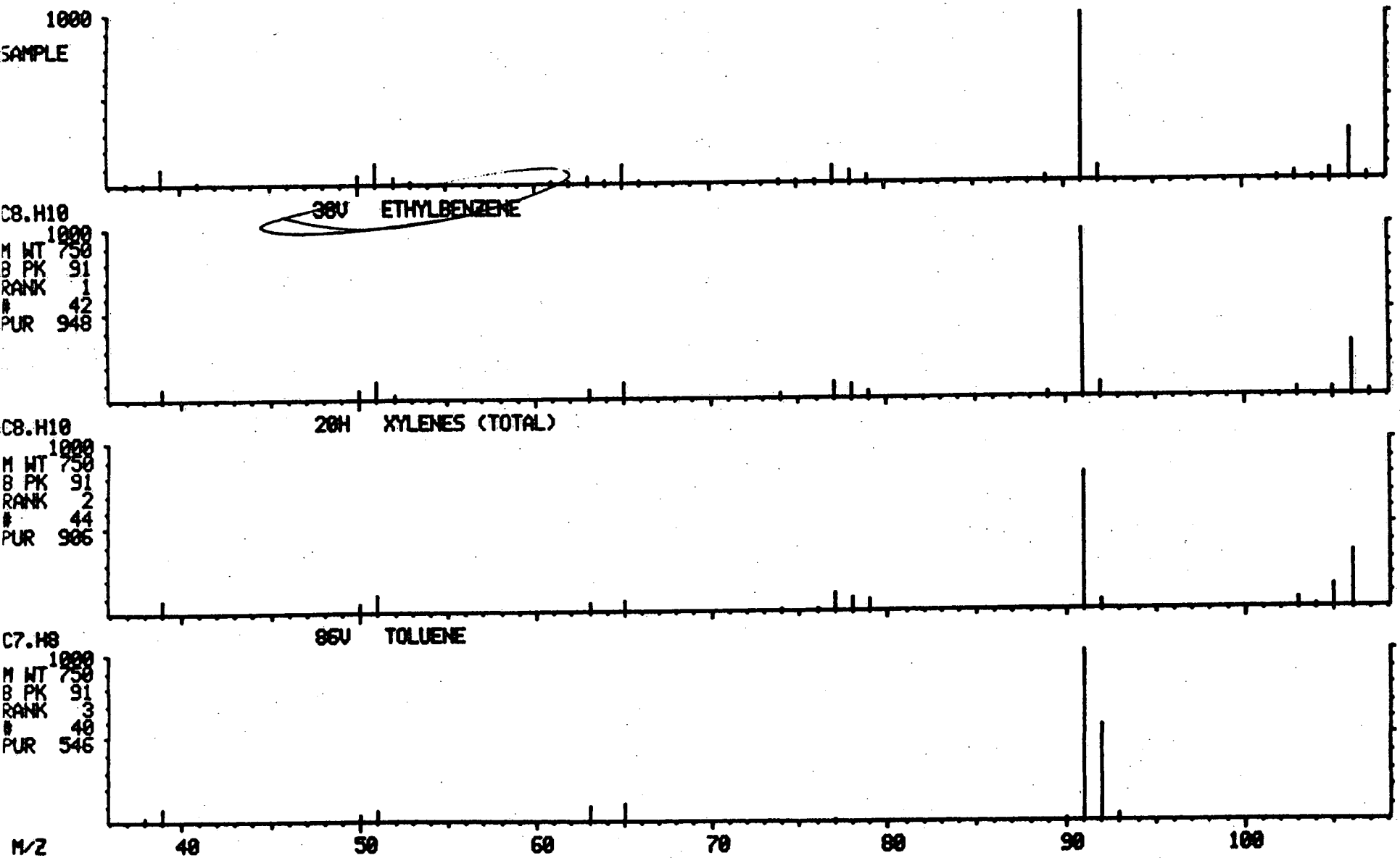
BASE M/Z: 91/ 91
RIC: 54015./ 58239.



LIBRARY SEARCH
06/20/90 12:50:00 + 23:02
SAMPLE: 9006L734-003D1 WESTON SERVICES/DF=100
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P062007 # 691
CALI: P062007 # 2

BASE M/Z: 91
RIC: 53823.



1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO. 6 99

L.E. CARPENTER MW-4

Lab Name: Roy F. Weston, Inc. Work Order: 3600-04-51-0000

Client: WSI-LE CARPENTER

Matrix: WATER Lab Sample ID: 9006L734-004

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P061919

Level: (low/med) LOW Date Received: 06/14/90

% Moisture: not dec. _____ Date Analyzed: 06/20/90

Column: (pack/cap) PACK Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	JB
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
110-75-8	2-chloroethylvinylether	10	U
75-25-2	Bromoform	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	31	
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO. 100

L.E. CARPENTER MW-4

Lab Name: Roy F. Weston, Inc. Work Order: 3600-04-51-0000

Client: WSI-LE CARPENTER

Matrix: WATER

Lab Sample ID: 9006L734-004

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: P061919

Level: (low/med) LOW

Date Received: 06/14/90

% Moisture: not dec. _____

Date Analyzed: 06/20/90

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

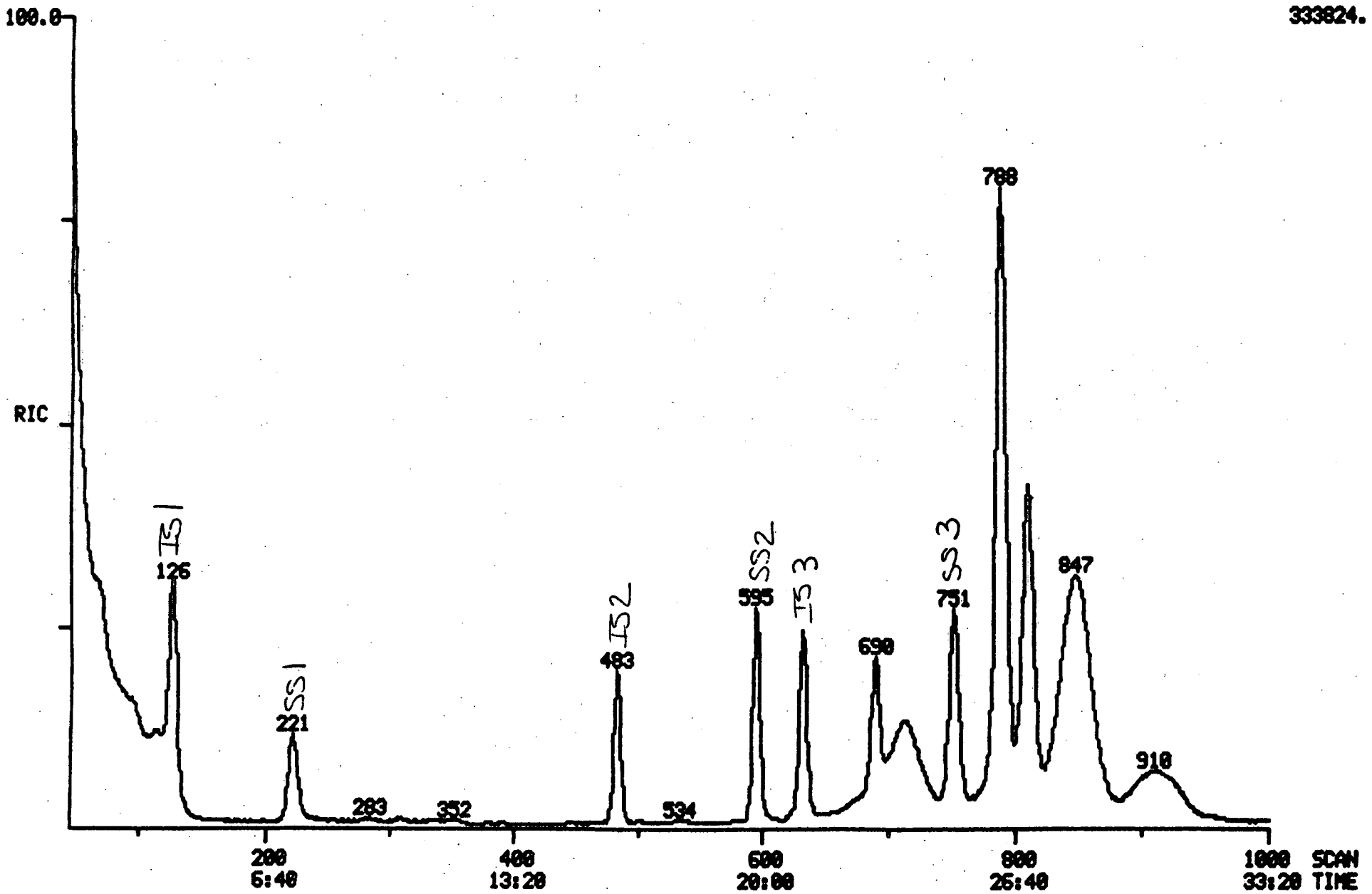
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	23.73	50	J
2.	XYLENES (TOTAL)	26.27	380	CJ
3.	UNKNOWN	28.23	100	J
4.	UNKNOWN	30.40	40	J

C: Response Factor from daily standard.

RIC
06/20/90 2:02:00
SAMPLE: 9006L734-004 WESTON SERVICE
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: P061919 #1
CALI: P061919 #2

SCANS 45 TO 1000



Quantitation Report File: P061919

Data: P061919.TI
06/20/90 2:02:00
Sample: 9006L734-004 WESTON SERVICE
Conds.: GC#1/1050P
Formula: P061910 Instrument: 1050P Weight: 0.003
Submitted by: P061910 Analyst: JT Acct. No.: 061990

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	IS1	BROMOCHLOROMETHANE
2	SS1	1,2-DICHLOROETHANE D4
3	45V	CHLOROMETHANE
4	46V	BROMOMETHANE
5	88V	VINYL CHLORIDE
6	16V	CHLOROETHANE
7	44V	METHYLENE CHLORIDE
8	13H	ACETONE
9	15H	CARBON DISULFIDE
10	29V	1,1-DICHLOROETHYLENE
11	13V	1,1-DICHLOROETHANE
12		1,2-DICHLOROETHENE (TOTAL)
13	23V	CHLOROFORM
14	10V	1,2-DICHLOROETHANE
15	IS2	1,4-DIFLUOROBENZENE
16	14H	2-BUTANONE
17	11V	1,1,1-TRICHLOROETHANE
18	6V	CARBON TETRACHLORIDE
19	19H	VINYL ACETATE
20	48V	BROMODICHLOROMETHANE
21	32V	1,2-DICHLOROPROPANE
22	33VC	CIS-1,3-DICHLOROPROPENE
23		TRICHLOROETHYLENE
24	51V	DIBROMOCHLOROMETHANE
25	14V	1,1,2-TRICHLOROETHANE
26	4V	BENZENE
27	33VT	TRANS-1,3-DICHLOROPROPENE
28	19V	2-CHLOROETHYL VINYL ETHER
29	47V	BROMOFORM
30	IS3	CHLOROBENZENE D5
31	SS2	TOLUENE D8
32	SS3	4-BROMOFLUOROBENZENE
33	17H	4-METHYL-2-PENTANONE
34	16H	2-HEXANONE
35	85V	TETRACHLOROETHYLENE
36	15V	1,1,2,2-TETRACHLOROETHANE
37	86V	TOLUENE
38	7V	CHLOROBENZENE
39	38V	ETHYLBENZENE
40	18H	STYRENE
41	20H	XYLENES (TOTAL)
42	26B	1,3-DICHLOROBENZENE
43	25B	1,2-DICHLOROBENZENE
44	27B	1,4-DICLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	126	4:12	1	1.000	A BB	77355.	50.000 UG/L	10.68
2	65	221	7:22	1	1.754	A BB	88940.	47.134 UG/L	10.06
3	50	31	1:02	1	0.246	A BB	6002.	5.482 UG/L	1.17
4	NOT	FOUND							
5	NOT	FOUND							
6	NOT	FOUND							
7	84	70	2:20	1	0.556	A BB	7656.	3.229 UG/L	0.69
8	43	71	2:22	1	0.563	A BB	3308.	3.865 UG/L	0.83
9	NOT	FOUND							
10	NOT	FOUND							
11	NOT	FOUND							
12	NOT	FOUND							
13	NOT	FOUND							
14	NOT	FOUND							
15	114	483	16:06	15	1.000	A BB	153611.	50.000 UG/L	10.68
16	NOT	FOUND							
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	NOT	FOUND							
30	117	633	21:06	30	1.000	A BB	153110.	50.000 UG/L	10.68
31	98	595	19:50	30	0.940	A BB	205887.	51.377 UG/L	10.97
32	95	751	25:02	30	1.186	A BB	122804.	49.146 UG/L	10.49
33	43	503	16:46	30	0.795	A BV	1318.	0.844 UG/L	0.18
34	43	552	18:24	30	0.872	A BB	383.	0.288 UG/L	0.06
35	NOT	FOUND							
36	NOT	FOUND							
37	92	600	20:00	30	0.948	A BB	2046.	0.817 UG/L	0.17
38	112	636	21:12	30	1.005	A BB	545.	0.174 UG/L	0.04
39	106	690	23:00	30	1.090	A BB	46106.	31.173 UG/L	6.66
40	NOT	FOUND							
41	106	809	26:58	30	1.278	A VB	181102.	123.701 UG/L	26.41
42	146	892	29:44	30	1.409	A BB	592.	0.291 UG/L	0.06
43	146	920	30:40	30	1.453	A VV	633.	0.207 UG/L	0.04
44	146	926	30:52	30	1.463	A VB	2114.	0.614 UG/L	0.13

$$\frac{362572 + 193976}{181102} \times 123.701 = 380.15$$

xylenes

Quantitation Report File: P061919TIC

104

Data: P061919.TI
06/20/90 2:02:00
Sample: 9006L734-004 WESTON SERVICE
Conds.: GC#1/1050P
Formula: P061910 Instrument: 1050P Weight: 0.003
Submitted by: P061910 Analyst: JT Acct. No.: 061990

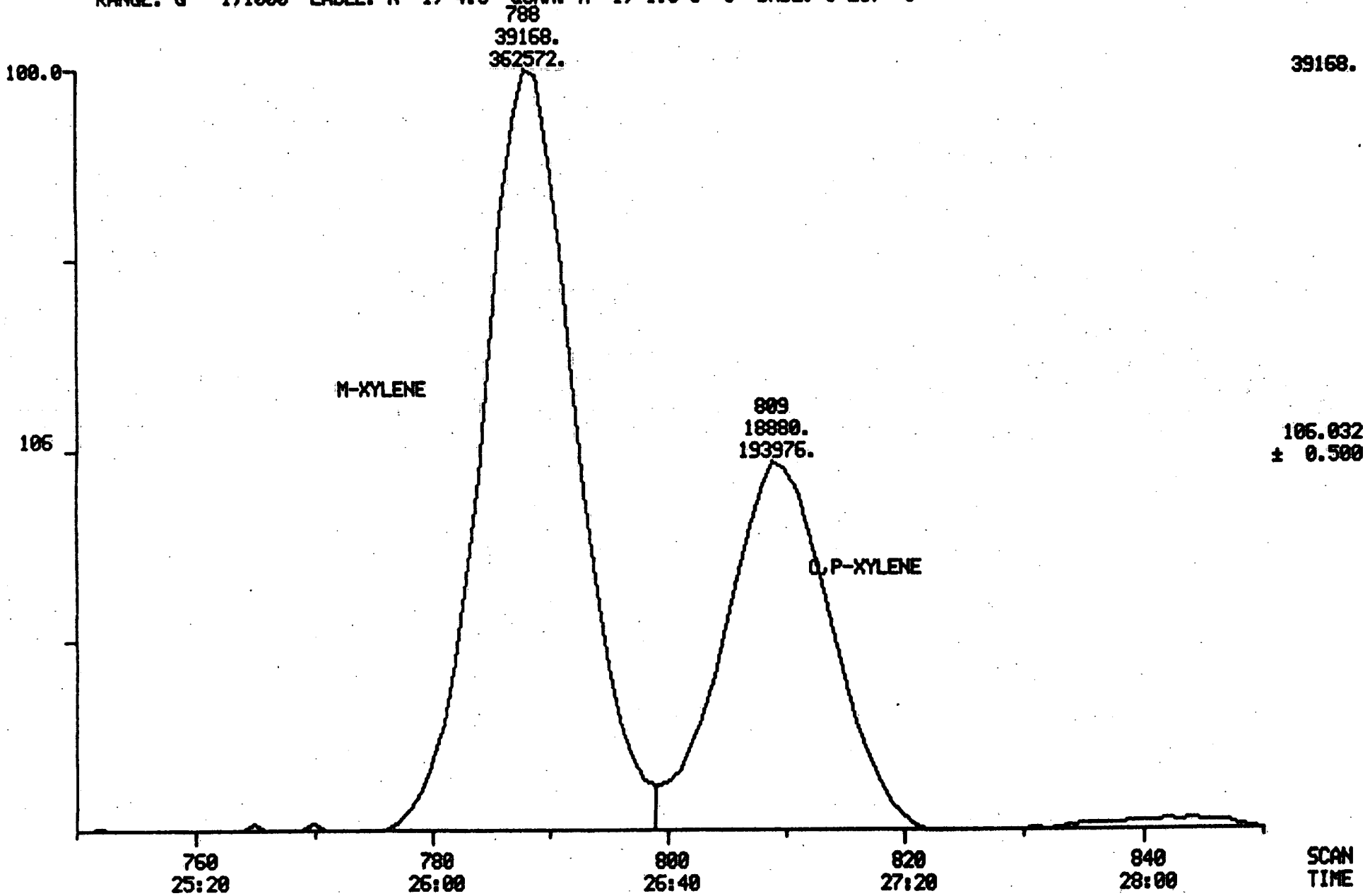
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	IS3 CHLOROBENZENE D5
2	UNKNOWN
3	UNKNOWN
4	UNKNOWN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot	
1	RIC	633	21:06	1	1.000	A BB	530384.	50.000	UG/L	23.21	
2	RIC	712	23:44	3	0.841	A VB	576800.	38.366		17.81	54.38
3	RIC	847	28:14	3	1.000	A BB	1503420.	100.000		46.42	141.73
4	RIC	912	30:24	3	1.077	A BB	407136.	27.081		12.57	38.4

105

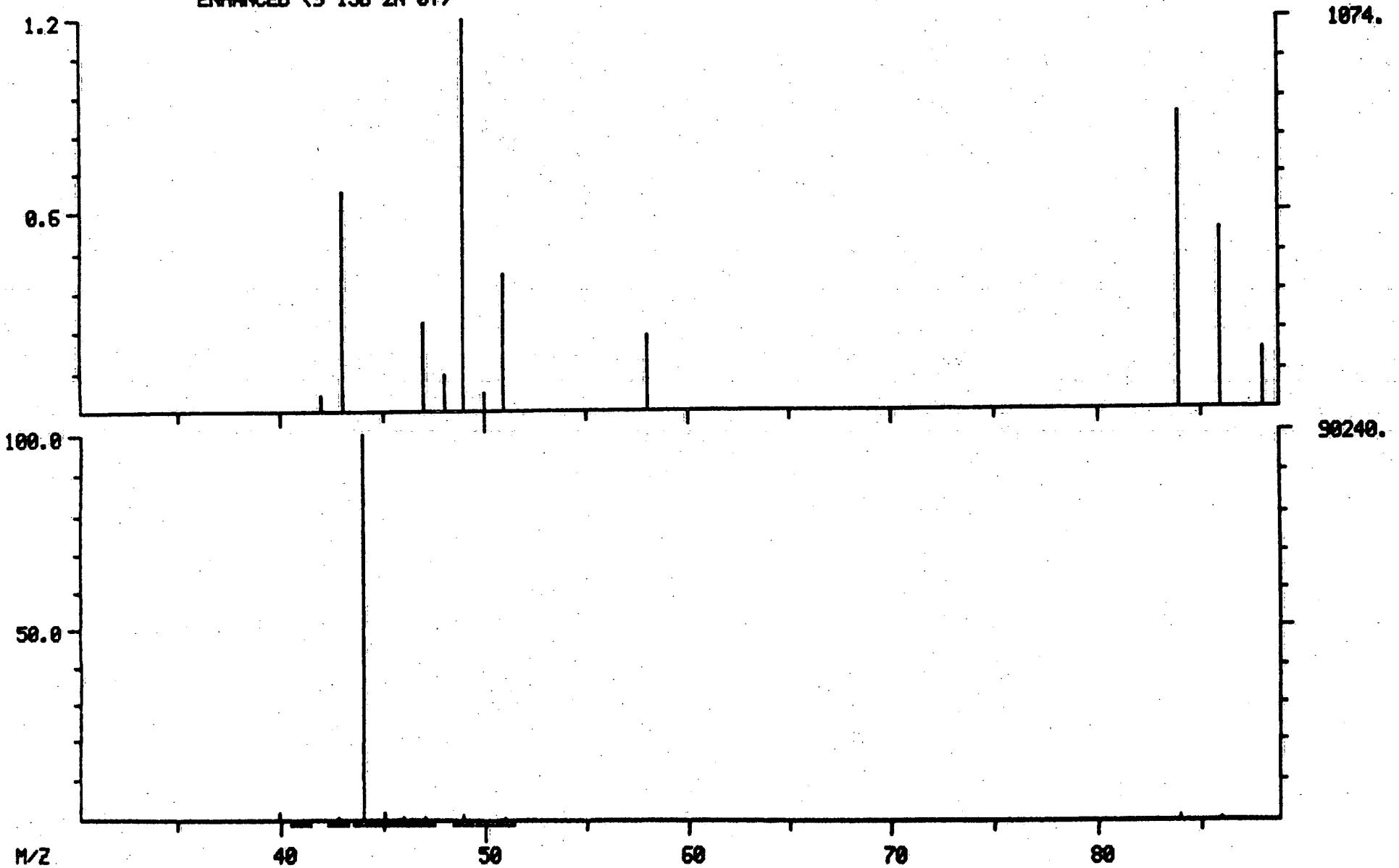
MASS CHROMATOGRAM DATA: P061919 #1 SCANS 750 TO 850
06/20/90 2:02:00 CALI: P061919 #2
SAMPLE: 9006L734-004 WESTON SERVICE
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



DUAL MASS SPECTRUM
06/20/90 2:02:00 + 2:20
SAMPLE: 9006L734-004 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061919 #70
CALI: P061919 #2

BASE M/Z: 49/ 44
RIC: 4159./ 90687.

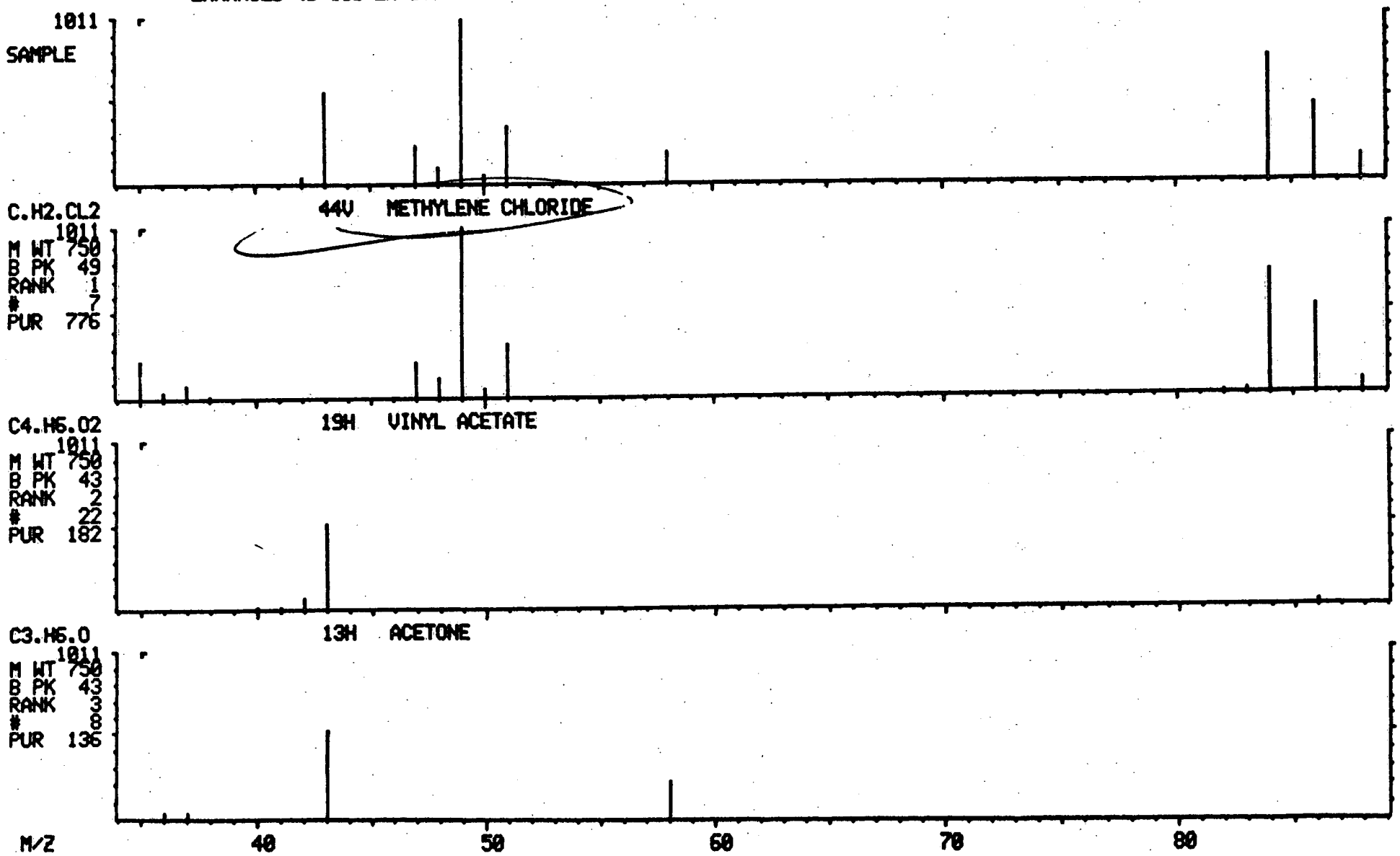


107

LIBRARY SEARCH
06/20/90 2:02:00 + 2:20
SAMPLE: 9006L734-004 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061919 # 70
CALI: P061919 # 2

BASE M/Z: 49
RIC: 4159.

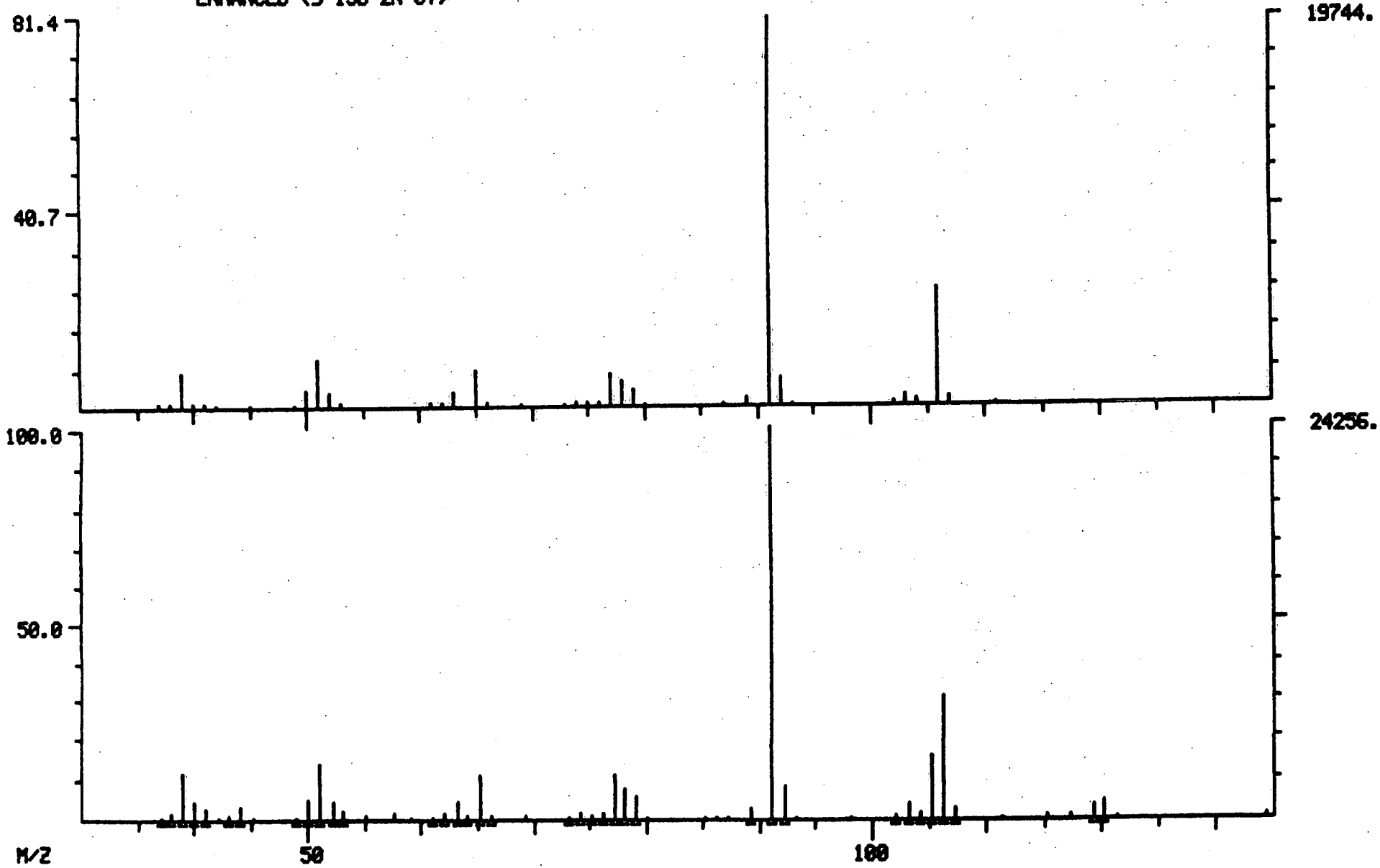


108

DUAL MASS SPECTRUM
06/20/90 2:02:00 + 23:00
SAMPLE: 9006L734-004 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061919 #690
CALI: P061919 #2

BASE M/Z: 91/ 91
RIC: 45759./ 70911.

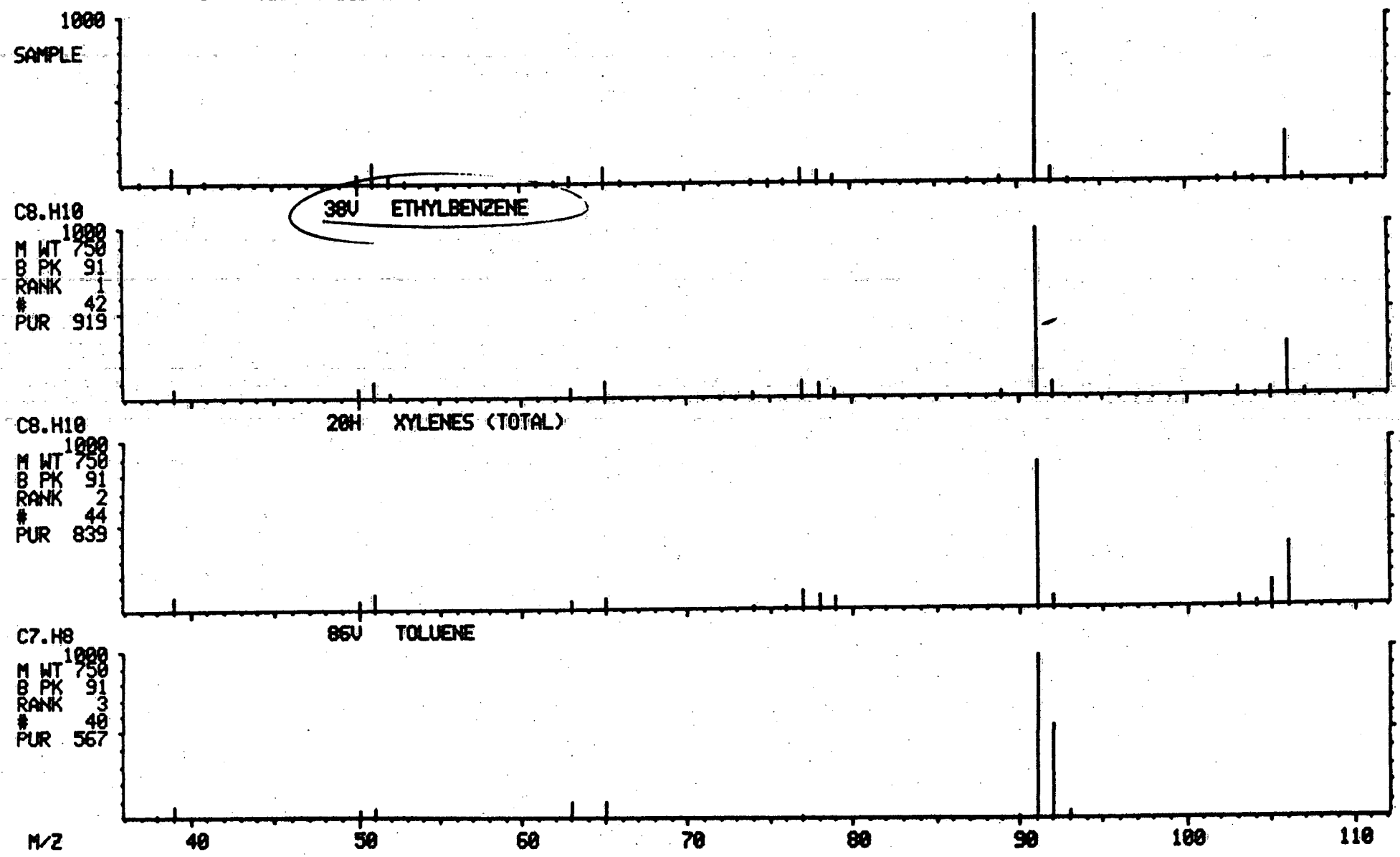


109

LIBRARY SEARCH
06/20/90 2:02:00 + 23:00
SAMPLE: 9006L734-004 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061919 # 690
CALI: P061919 # 2

BASE M/Z: 91
RIC: 44607.

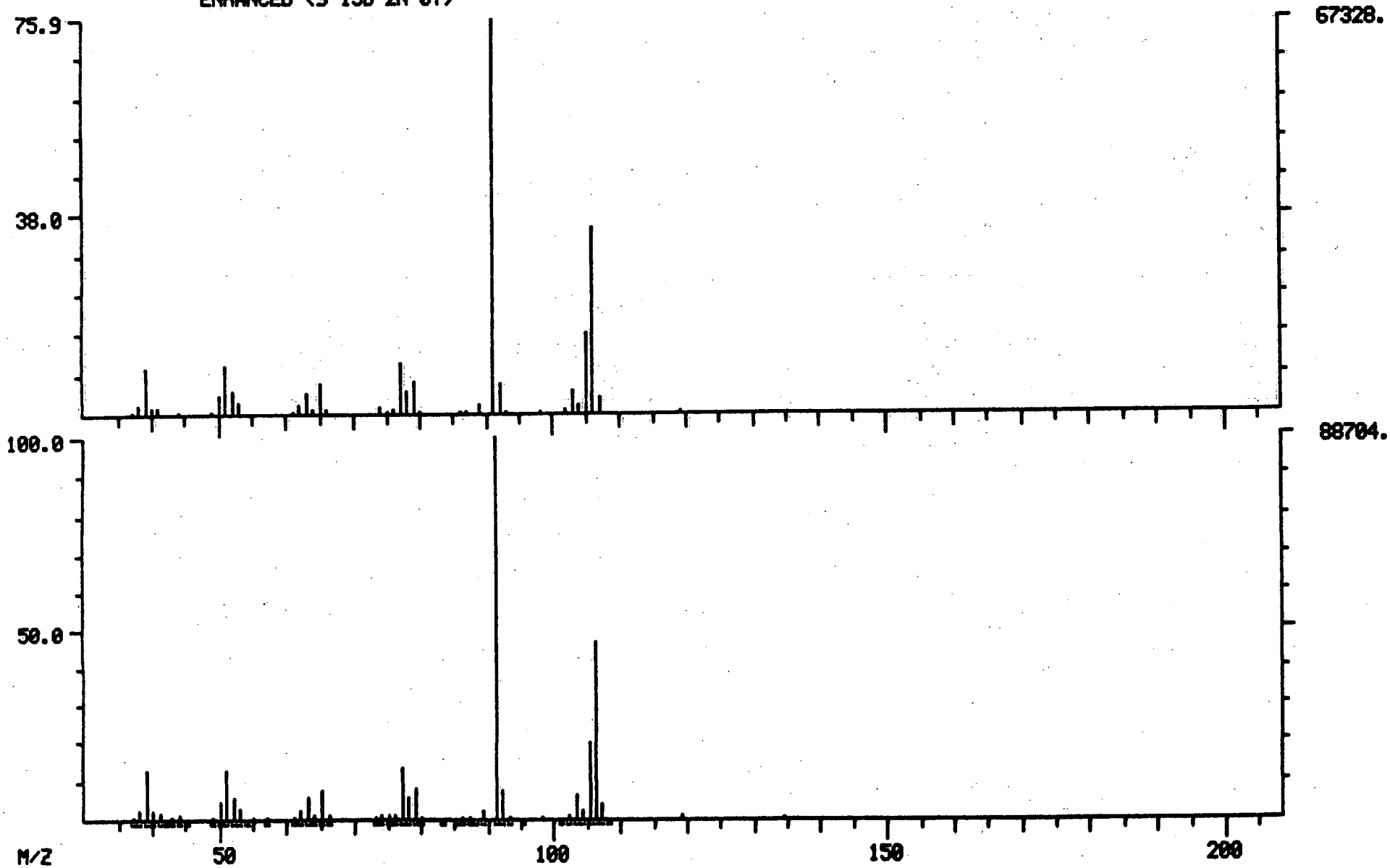


110

DUAL MASS SPECTRUM
06/20/90 2:02:00 + 26:16
SAMPLE: 9006L734-004 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061919 #788
CALI: P061919 #2

BASE M/Z: 91/ 91
RIC: 191999./ 262655.

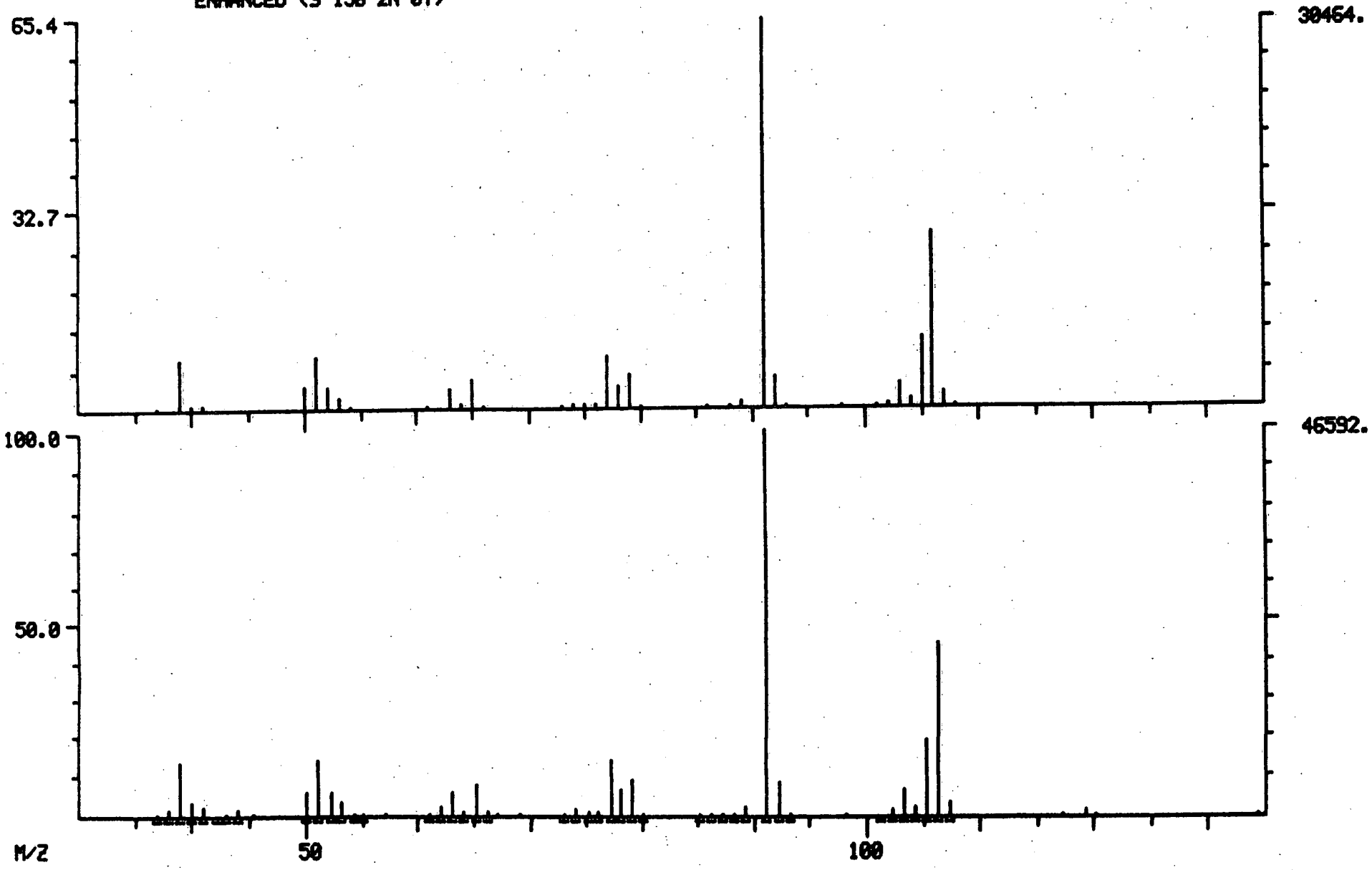


112

DUAL MASS SPECTRUM
06/20/90 2:02:00 + 26:58
SAMPLE: 9006L734-004 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061919 #809
CALI: P061919 #2

BASE M/Z: 91/ 91
RIC: 85247./ 140799.

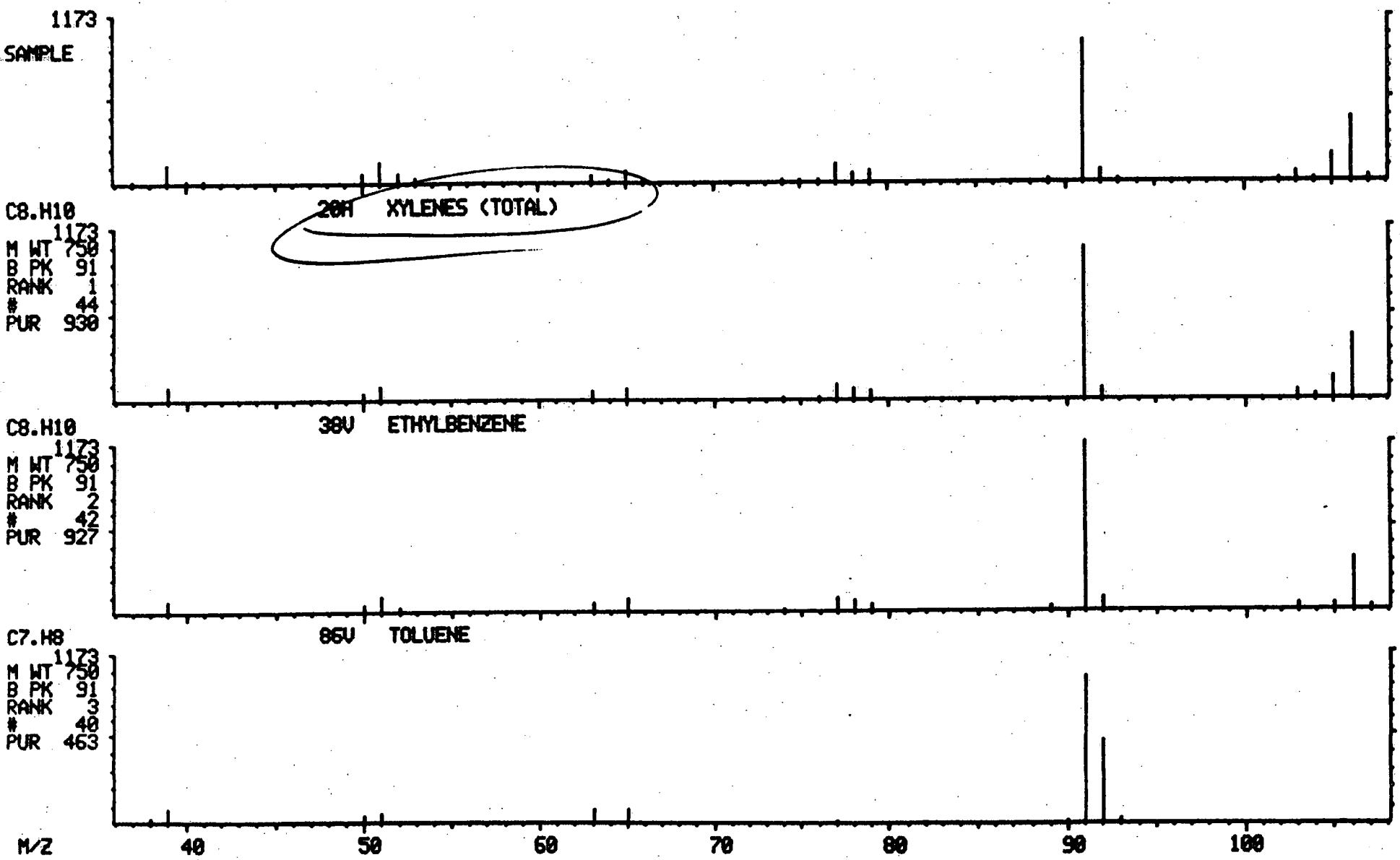


113

LIBRARY SEARCH
06/20/90 2:02:00 + 26:58
SAMPLE: 9006L734-004 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061919 # 809
CALI: P061919 # 2

BASE M/Z: 91
RIC: 83967.

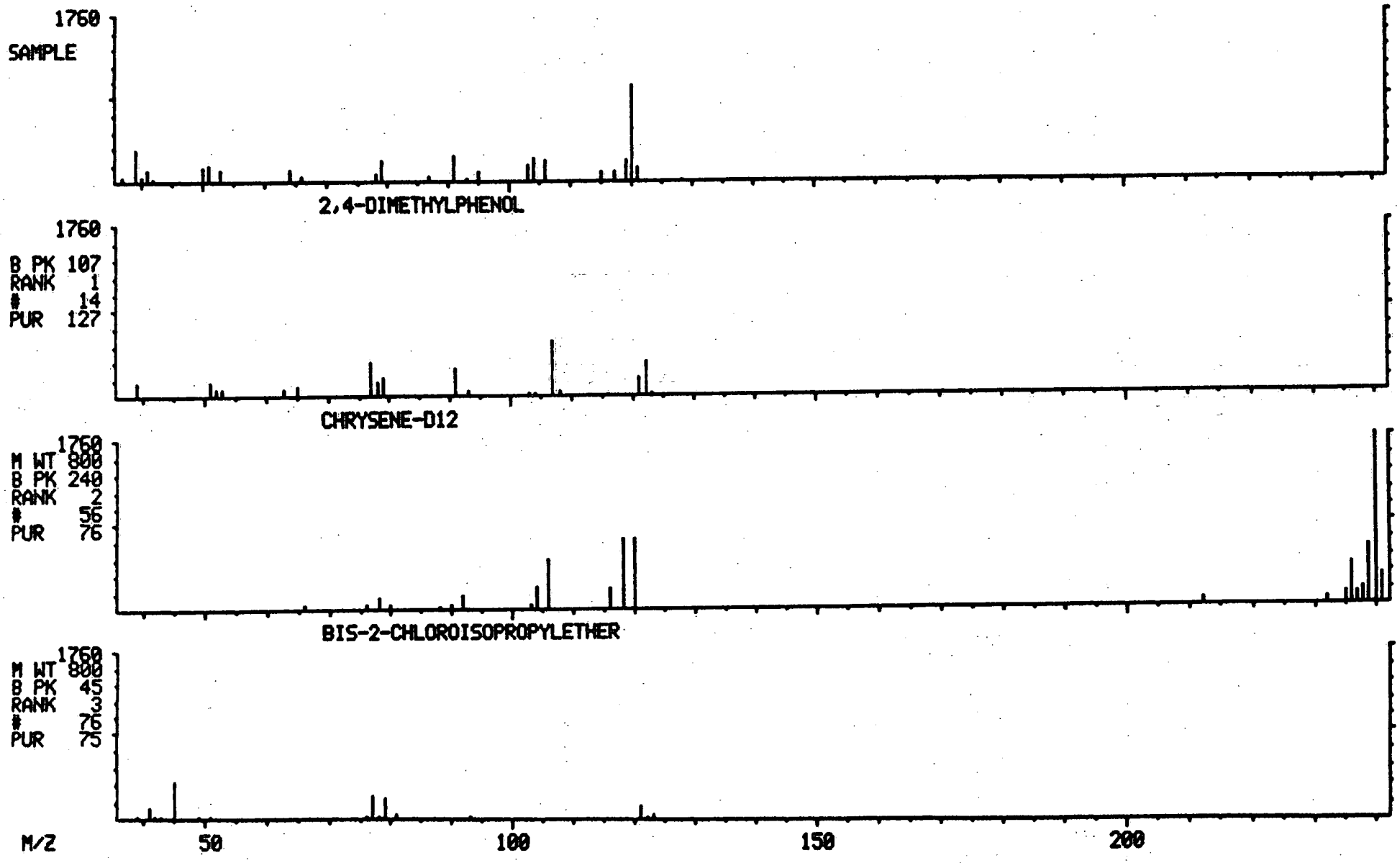


114

LIBRARY SEARCH
06/20/90 0:21:00 + 23:56
SAMPLE: 9006L734-002 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061917 # 718
CALI: P061917 # 2

BASE M/Z: 120
RIC: 5511.

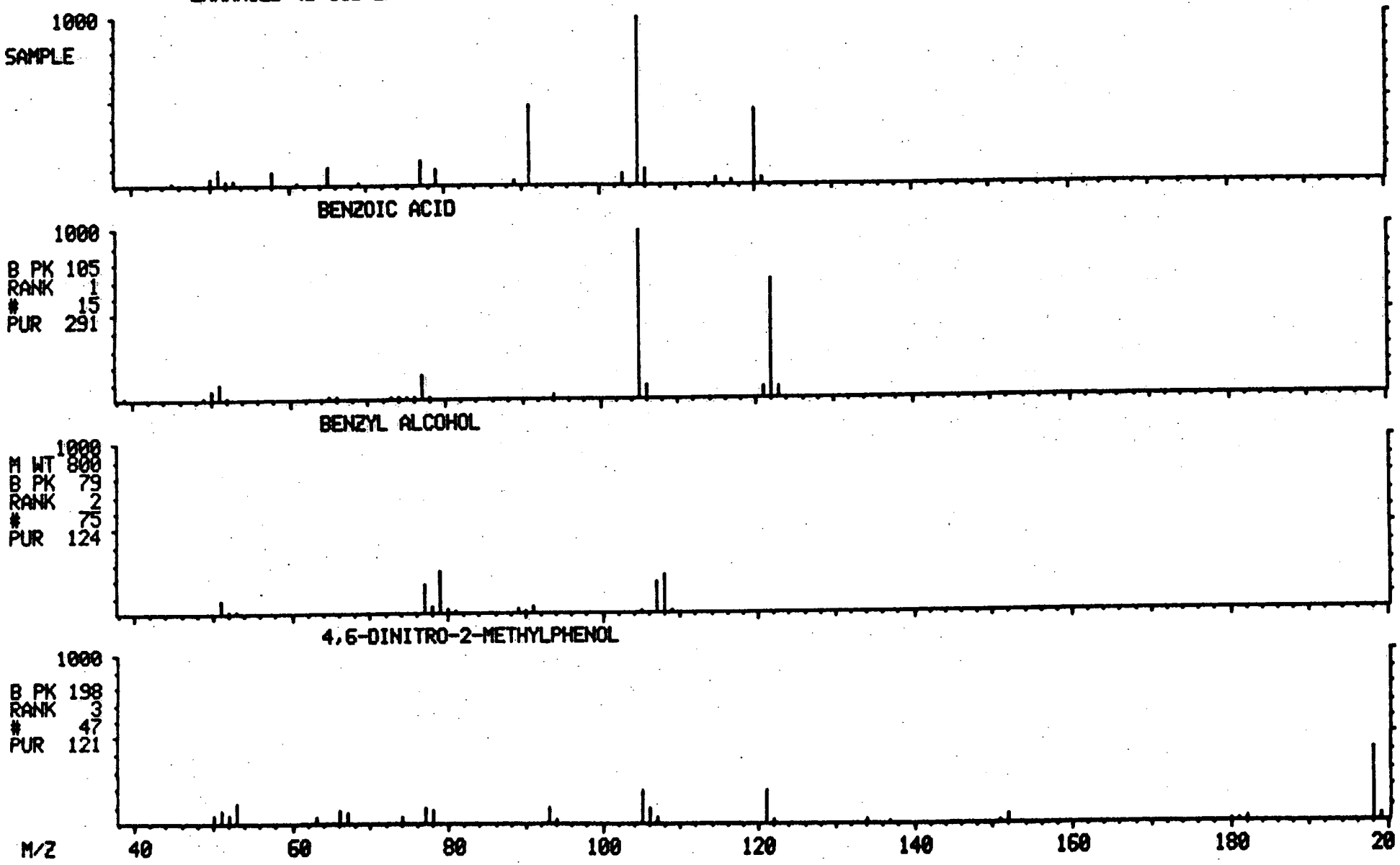


115

LIBRARY SEARCH
06/20/90 0:21:00 + 28:18
SAMPLE: 9006L734-002 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061917 # 849
CALI: P061917 # 2

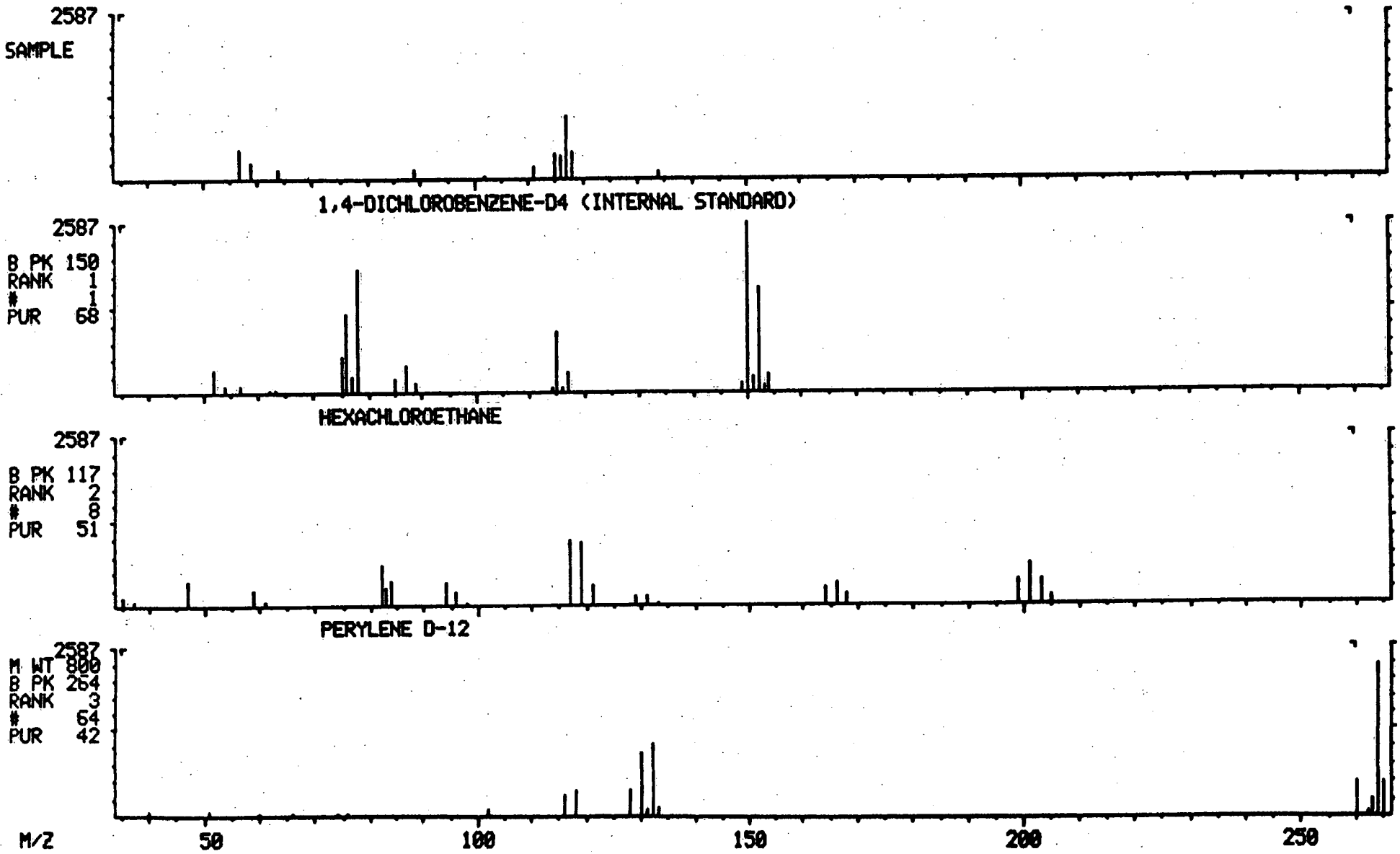
BASE M/Z: 105
RIC: 14671.



LIBRARY SEARCH
06/20/90 0:21:00 + 30:52
SAMPLE: 9006L734-002 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061917 # 926
CALI: P061917 # 2

BASE M/Z: 117
RIC: 1221.



1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO. 117

L.E. CARPENTER MW-5

Lab Name: Roy F. Weston, Inc. Work Order: 3600-04-51-0000

Client: WSI-LE CARPENTER

Matrix: WATER Lab Sample ID: 9006L734-005

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P061920

Level: (low/med) LOW Date Received: 06/14/90

% Moisture: not dec. _____ Date Analyzed: 06/20/90

Column: (pack/cap) PACK Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	JB
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
110-75-8	2-chloroethylvinylether	10	U
75-25-2	Bromoform	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO. 118

L.E. CARPENTER MW-5

Lab Name: Roy F. Weston, Inc. Work Order: 3600-04-51-0000

Client: WSI-LE CARPENTER

Matrix: WATER

Lab Sample ID: 9006L734-005

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: P061920

Level: (low/med) LOW

Date Received: 06/14/90

% Moisture: not dec. _____

Date Analyzed: 06/20/90

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	XYLENES (TOTAL)	26.30	70	CJ

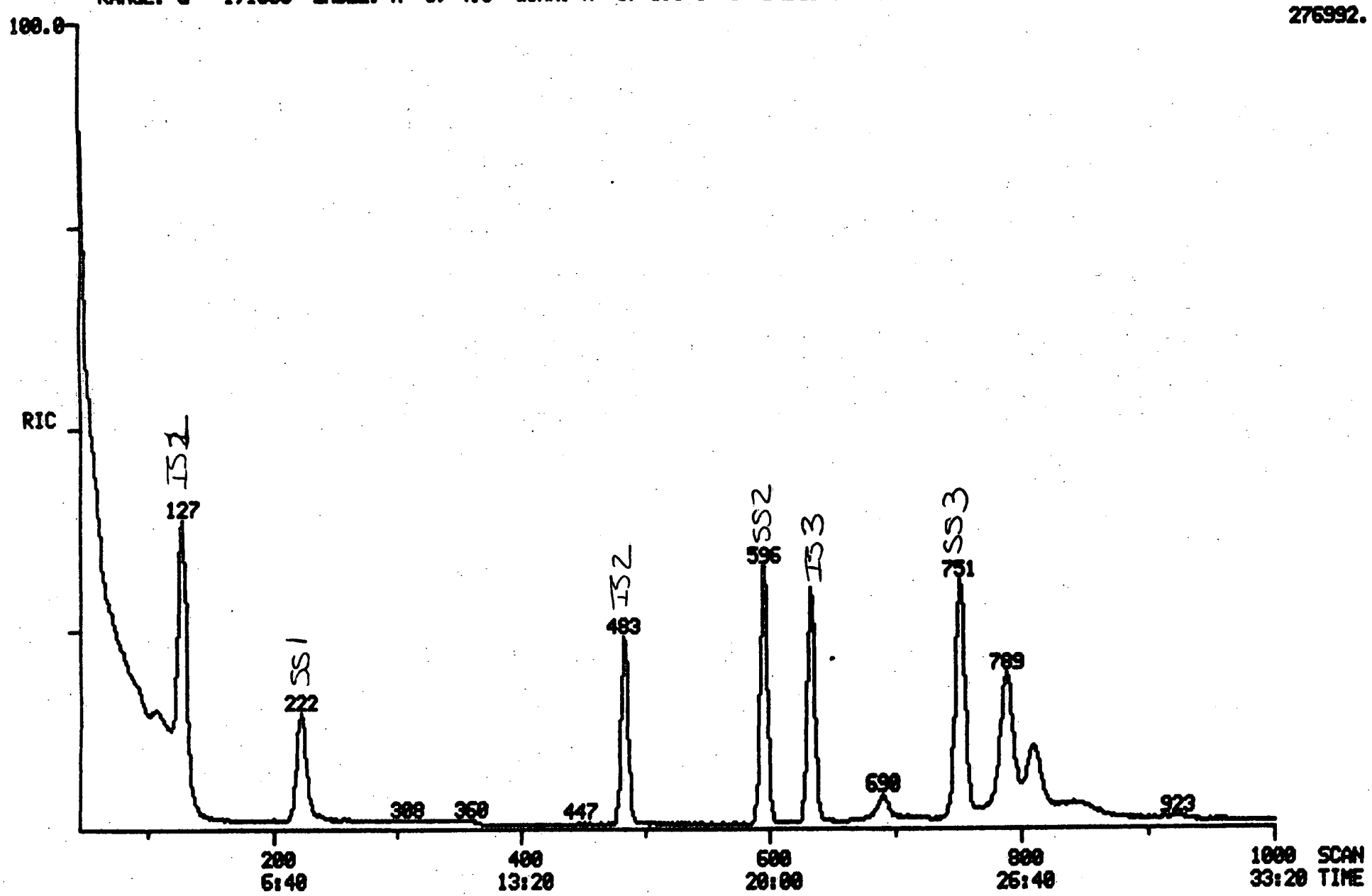
C: Response Factor from daily standard.

119

RIC
06/20/90 2:52:00
SAMPLE: 9006L734-005 WESTON SERVICE
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: P061920 #1
CALI: P061920 #2

SCANS 45 TO 1000



Quantitation Report File: P061920

Data: P061920.TI
06/20/90 2:52:00
Sample: 9006L734-003 WESTON SERVICE
Conds.: QC#1/1050P
Formula: P061910 Instrument: 1050P Weight: 0.003
Submitted by: P061910 Analyst: JT Acct. No.: 061990

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	IS1	BROMOCHLOROMETHANE
2	SS1	1,2-DICHLOROETHANE D4
3	45V	CHLOROMETHANE
4	46V	BROMOMETHANE
5	88V	VINYL CHLORIDE
6	16V	CHLOROETHANE
7	44V	METHYLENE CHLORIDE
8	13H	ACETONE
9	15H	CARBON DISULFIDE
10	29V	1,1-DICHLOROETHYLENE
11	13V	1,1-DICHLOROETHANE
12		1,2-DICHLOROETHENE (TOTAL)
13	23V	CHLOROFORM
14	10V	1,2-DICHLOROETHANE
15	IS2	1,4-DIFLUOROBENZENE
16	14H	2-BUTANONE
17	11V	1,1,1-TRICHLOROETHANE
18	6V	CARBON TETRACHLORIDE
19	19H	VINYL ACETATE
20	48V	BROMODICHLOROMETHANE
21	32V	1,2-DICHLOROPROPANE
22	33VC	CIS-1,3-DICHLOROPROPENE
23		TRICHLOROETHYLENE
24	51V	DIBROMOCHLOROMETHANE
25	14V	1,1,2-TRICHLOROETHANE
26	4V	BENZENE
27	33VT	TRANS-1,3-DICHLOROPROPENE
28	19V	2-CHLOROETHYL VINYL ETHER
29	47V	BROMOFORM
30	IS3	CHLOROBENZENE D5
31	SS2	TOLUENE D8
32	SS3	4-BROMOFLUOROBENZENE
33	17H	4-METHYL-2-PENTANONE
34	16H	2-HEXANONE
35	85V	TETRACHLOROETHYLENE
36	15V	1,1,2,2-TETRACHLOROETHANE
37	86V	TOLUENE
38	7V	CHLOROBENZENE
39	38V	ETHYLBENZENE
40	18H	STYRENE
41	20H	XYLENES (TOTAL)
42	26B	1,3-DICHLOROBENZENE
43	25B	1,2-DICHLOROBENZENE
44	27B	1,4-DICLOROBENZENE

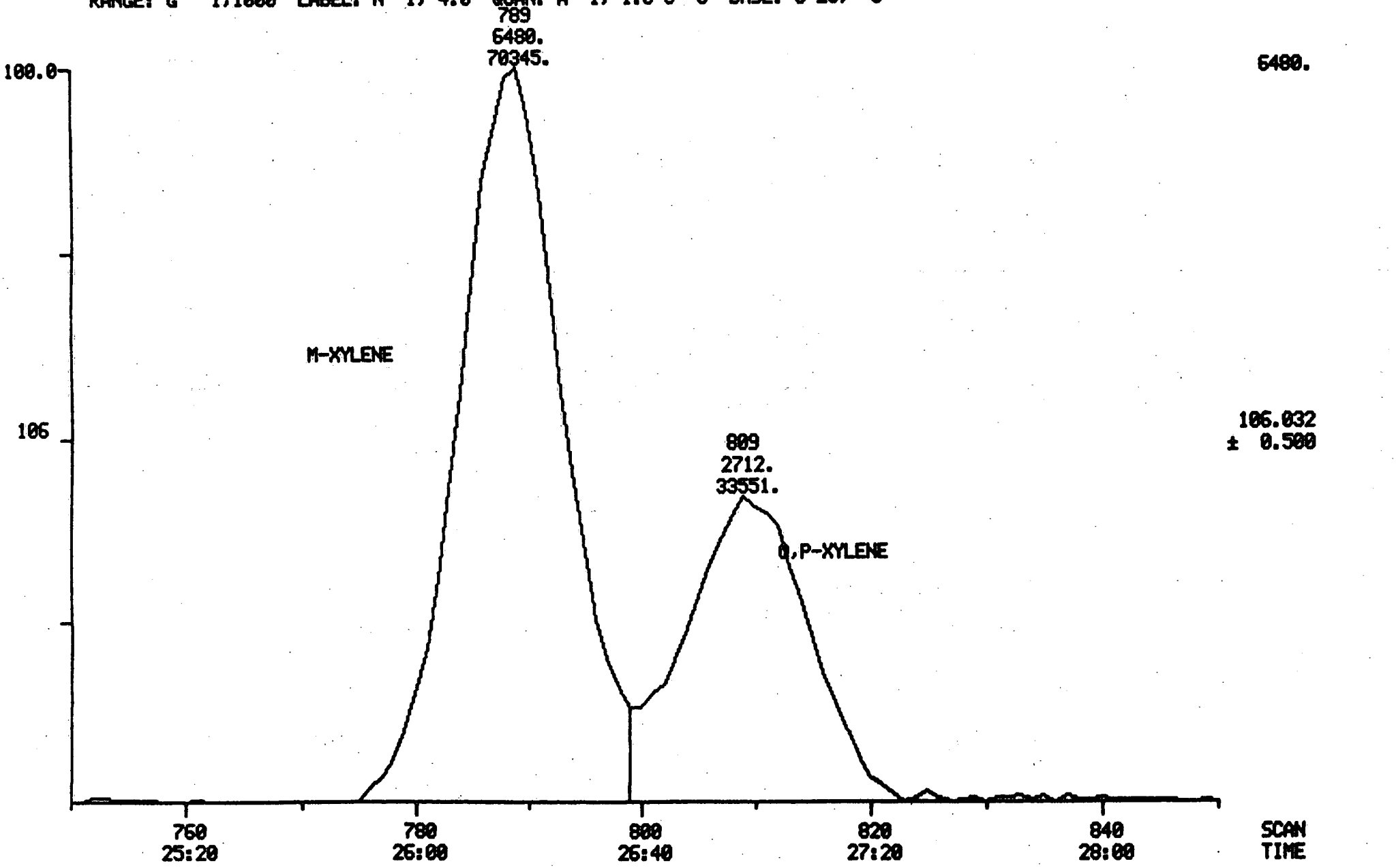
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	127	4:14	1	1.000	A BB	81272.	50.000 UG/L	15.00
2	65	222	7:24	1	1.748	A BB	94106.	47.467 UG/L	14.24
3	50	31	1:02	1	0.244	A BB	824.	0.716 UG/L	0.21
4	NOT	FOUND							
5	NOT	FOUND							
6	NOT	FOUND							
7	84	70	2:20	1	0.551	A BB	9919.	3.982 UG/L	1.19
8	NOT	FOUND							
9	NOT	FOUND							
10	NOT	FOUND							
11	NOT	FOUND							
12	NOT	FOUND							
13	83	200	6:40	1	1.575	A BB	256.	0.068 UG/L	0.02
14	NOT	FOUND							
15	114	483	16:06	15	1.000	A BB	164022.	50.000 UG/L	15.00
16	72	219	7:18	15	0.453	A BB	843.	2.289 UG/L	0.69
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	NOT	FOUND							
30	117	633	21:06	30	1.000	A BB	155492.	50.000 UG/L	15.00
31	98	595	19:50	30	0.940	A BV	214505.	52.708 UG/L	15.81 105
32	95	751	25:02	30	1.186	A BB	131725.	51.909 UG/L	15.57 104
33	NOT	FOUND							
34	NOT	FOUND							
35	NOT	FOUND							
36	NOT	FOUND							
37	92	600	20:00	30	0.948	A BB	783.	0.308 UG/L	0.09
38	NOT	FOUND							
39	106	690	23:00	30	1.090	A BB	7152.	4.761 UG/L	1.43
40	104	782	26:04	30	1.235	A BB	1132.	0.419 UG/L	0.13
41	106	787/809	26:58	30	1.278	A VB	27979.	18.818 UG/L	5.64
42	NOT	FOUND							
43	NOT	FOUND							
44	NOT	FOUND							

Xylenes $\frac{70345 + 33551}{27979} \times 18.818 = 69.9$

MASS CHROMATOGRAM
06/20/90 2:52:00
SAMPLE: 9006L734-005 WESTON SERVICE
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3

DATA: P061920 #1
CALI: P061920 #2

SCANS 750 TO 850

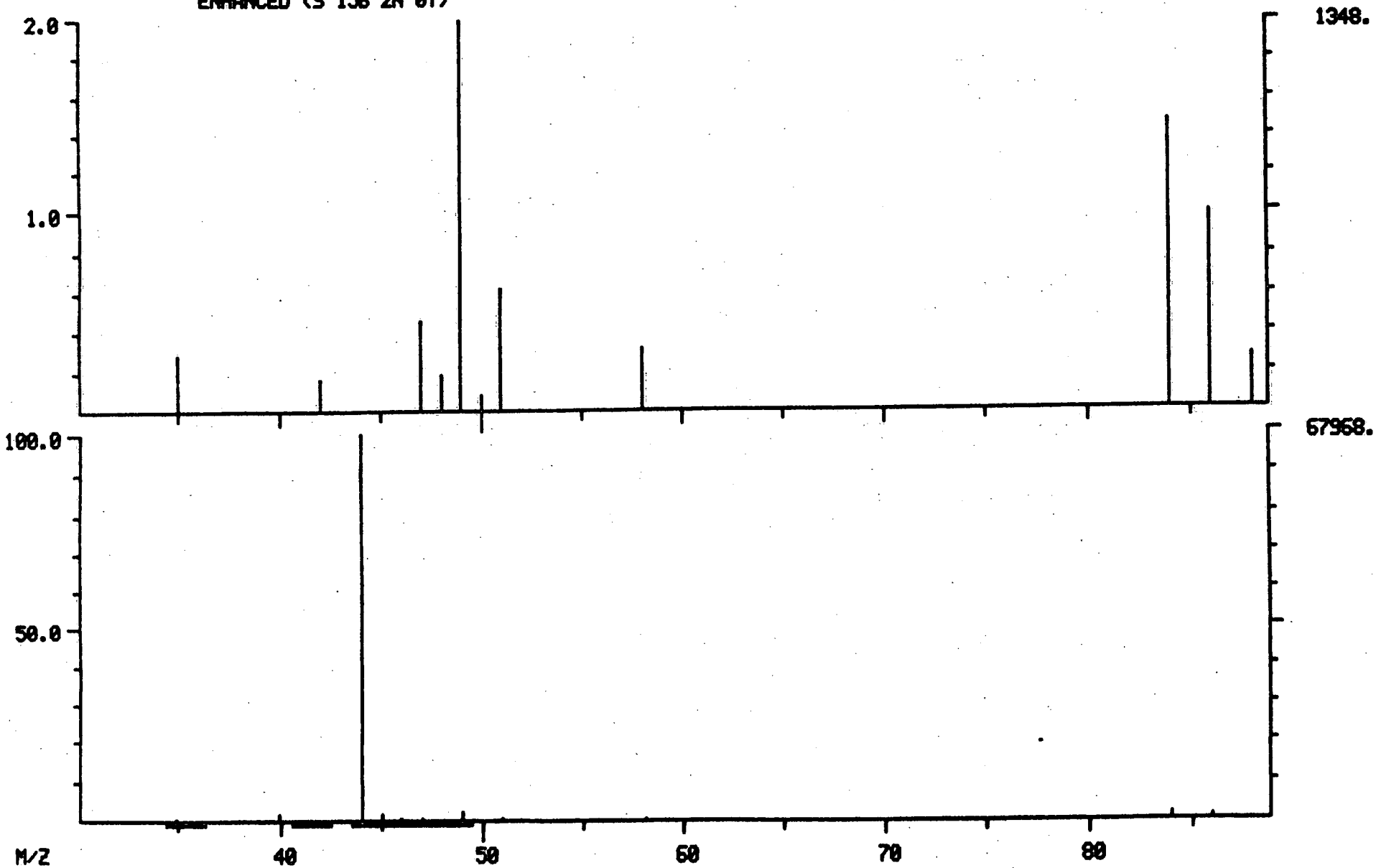


123

DUAL MASS SPECTRUM
06/20/90 2:52:00 + 2:20
SAMPLE: 9006L734-005 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061920 #70
CALI: P061920 #2

BASE M/Z: 49/ 44
RIC: 4623./ 76415.

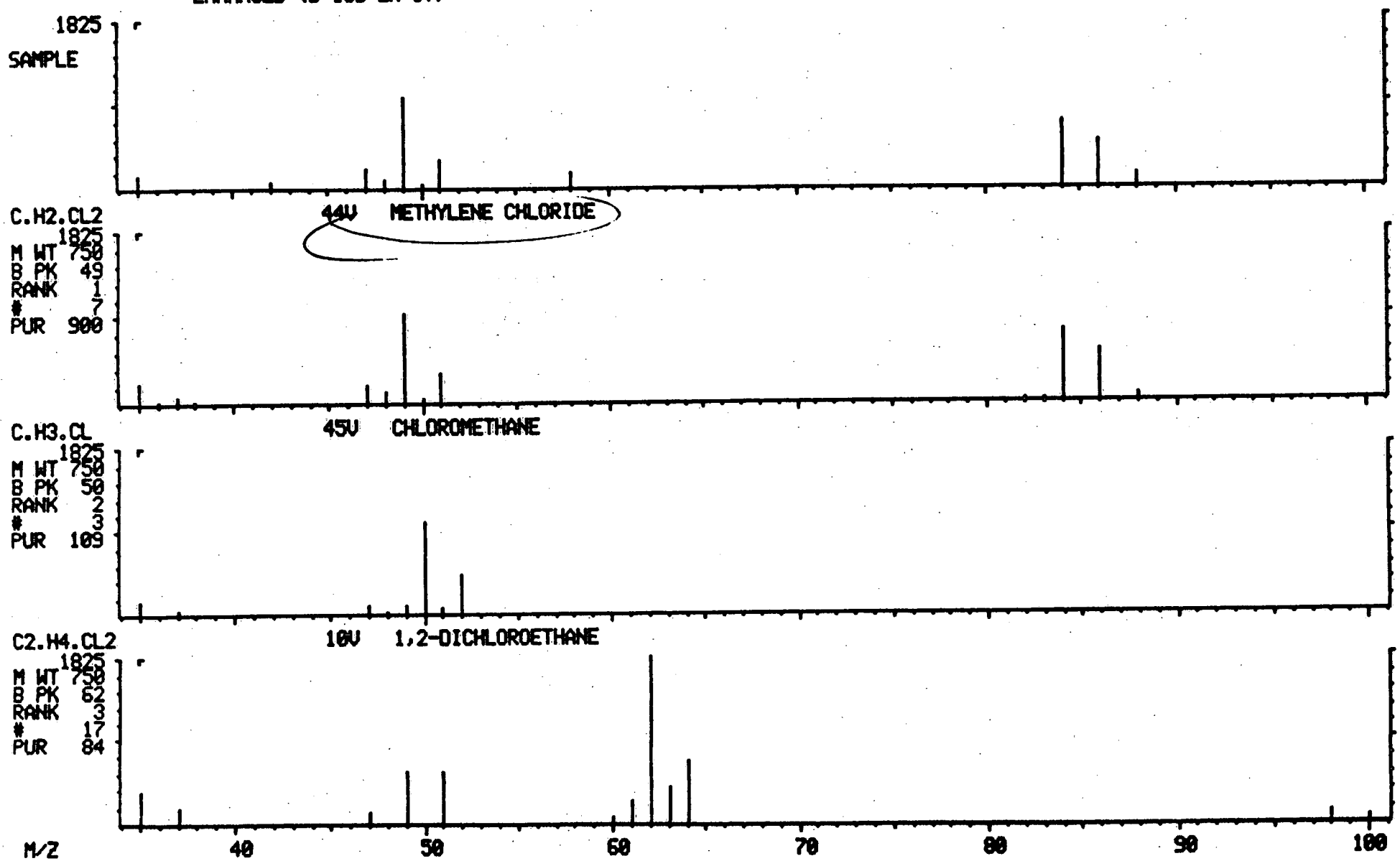


124

LIBRARY SEARCH
06/20/90 2:52:00 + 2:20
SAMPLE: 9006L734-005 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061920 # 70
CALI: P061920 # 2

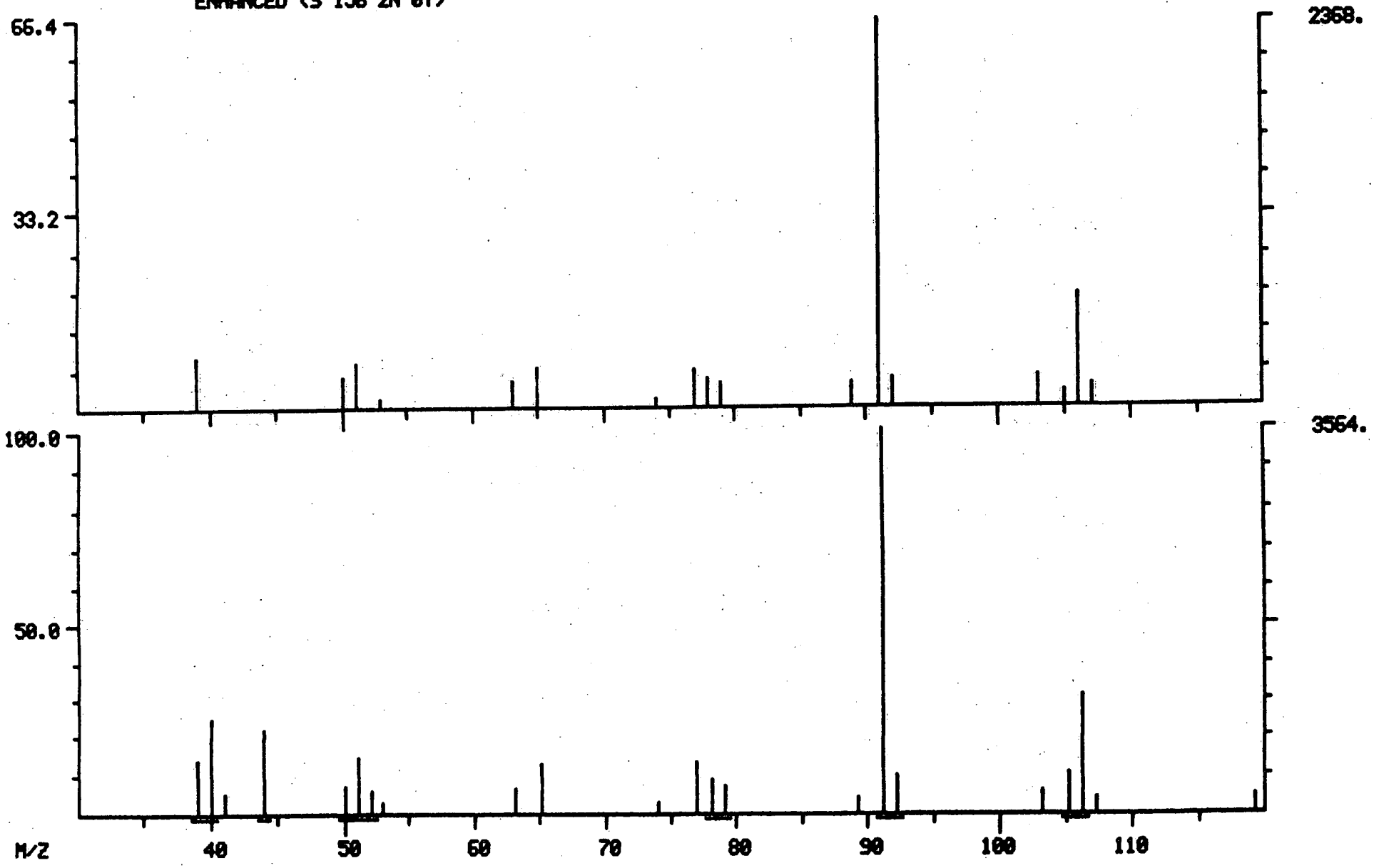
BASE M/Z: 49
RIC: 4623.



DUAL MASS SPECTRUM
06/20/90 2:52:00 + 23:00
SAMPLE: 9006L734-005 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061920 #690
CALI: P061920 #2

BASE M/Z: 91/ 91
RIC: 5695./ 11311.

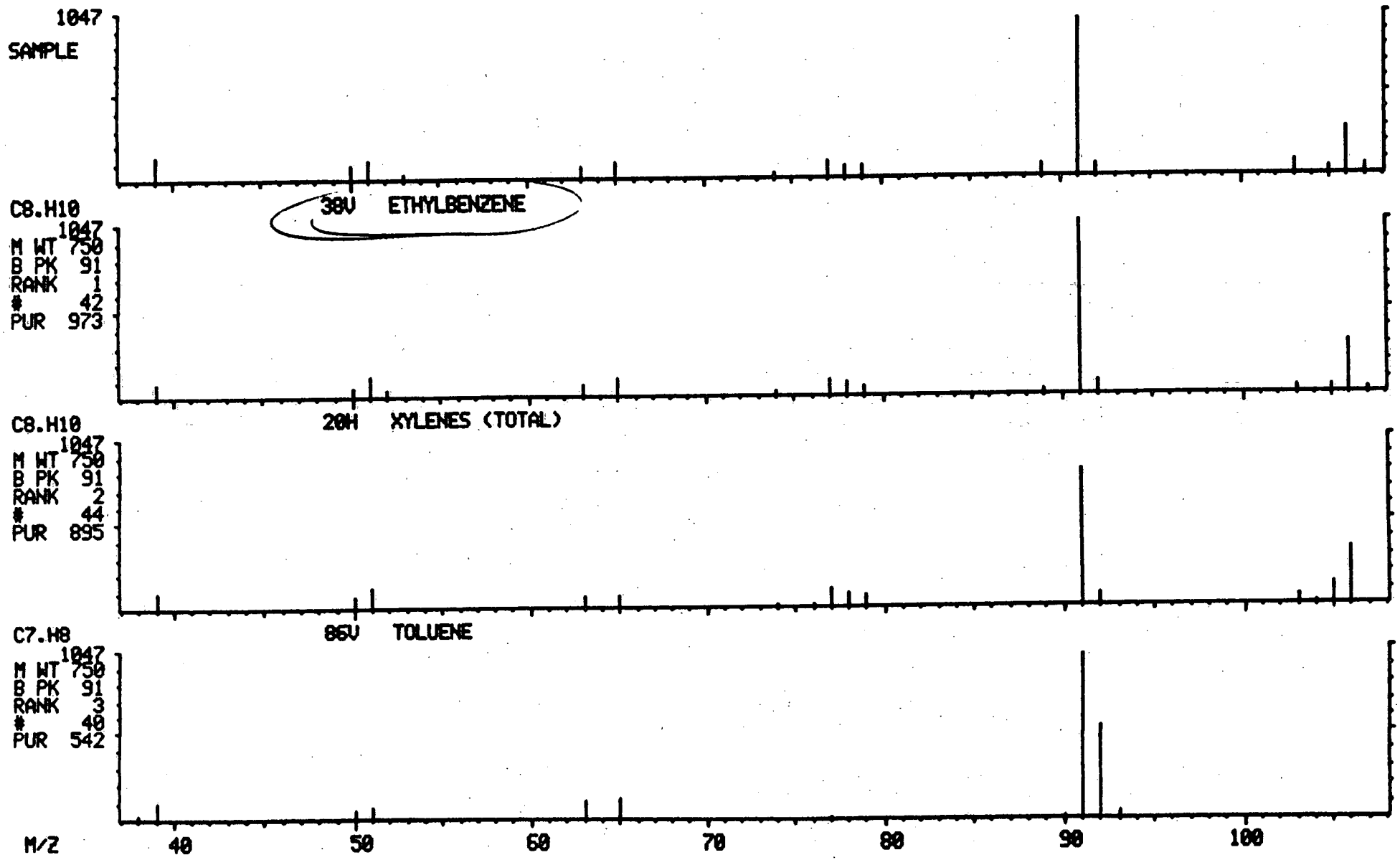


126

LIBRARY SEARCH
06/20/90 2:52:00 + 23:00
SAMPLE: 9006L734-005 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061920 # 690
CALI: P061920 # 2

BASE M/Z: 91
RIC: 5695.

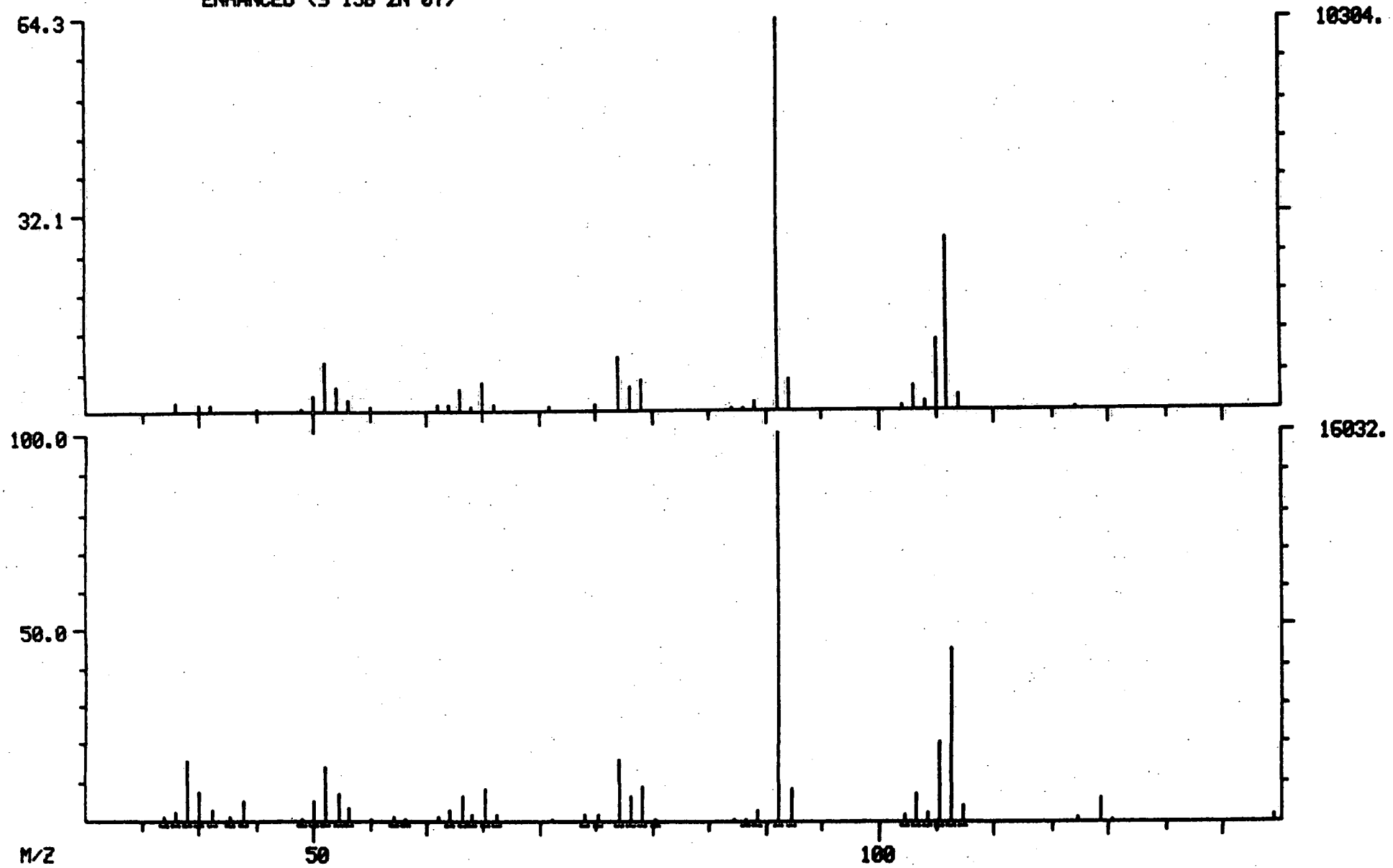


127

DUAL MASS SPECTRUM
06/20/90 2:52:00 + 26:18
SAMPLE: 9006L734-005 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061920 #789
CALI: P061920 #2

BASE M/Z: 91/ 91
RIC: 28223./ 52543.

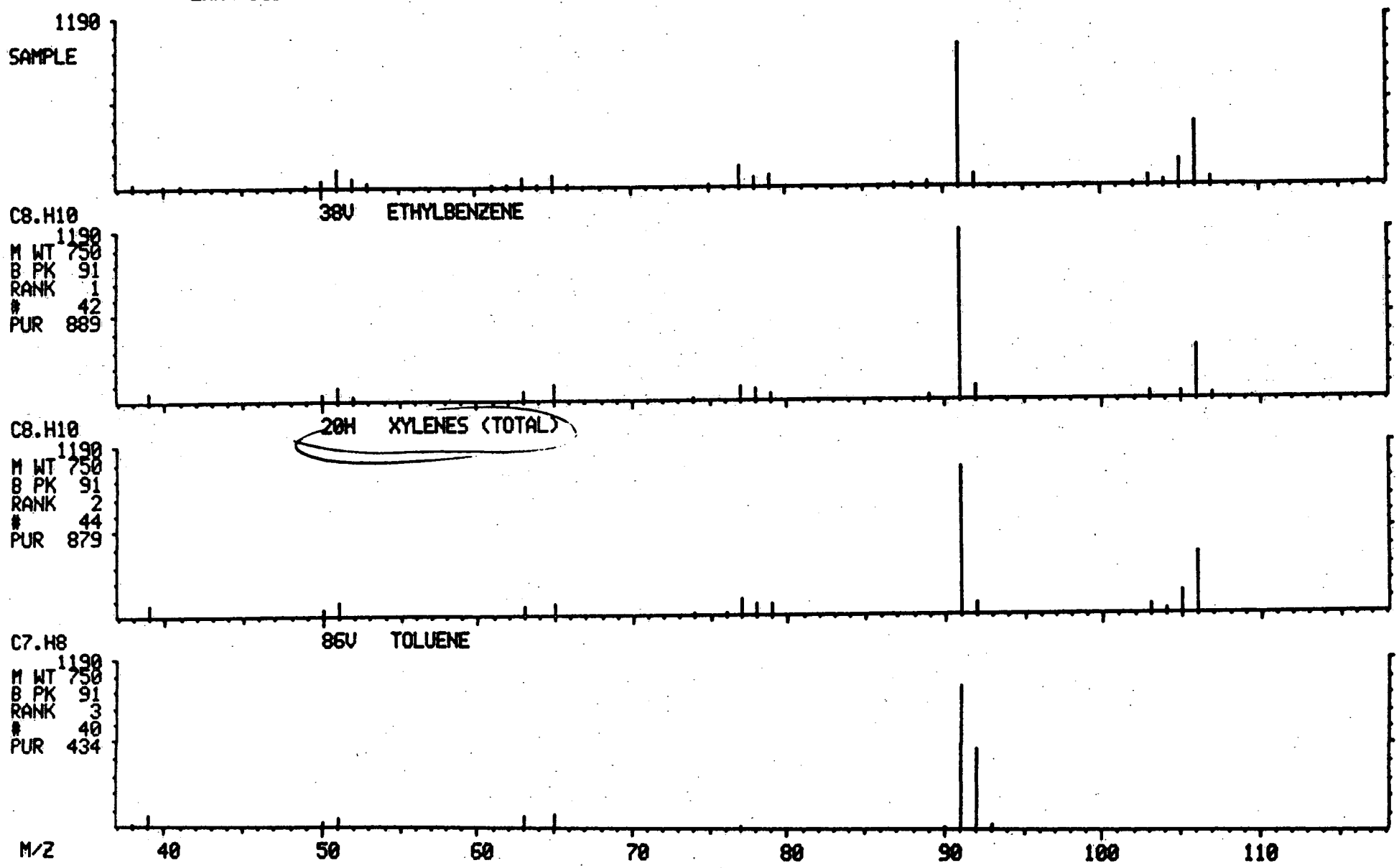


128

LIBRARY SEARCH
06/20/90 2:52:00 + 26:18
SAMPLE: 9006L734-005 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061920 # 789
CALI: P061920 # 2

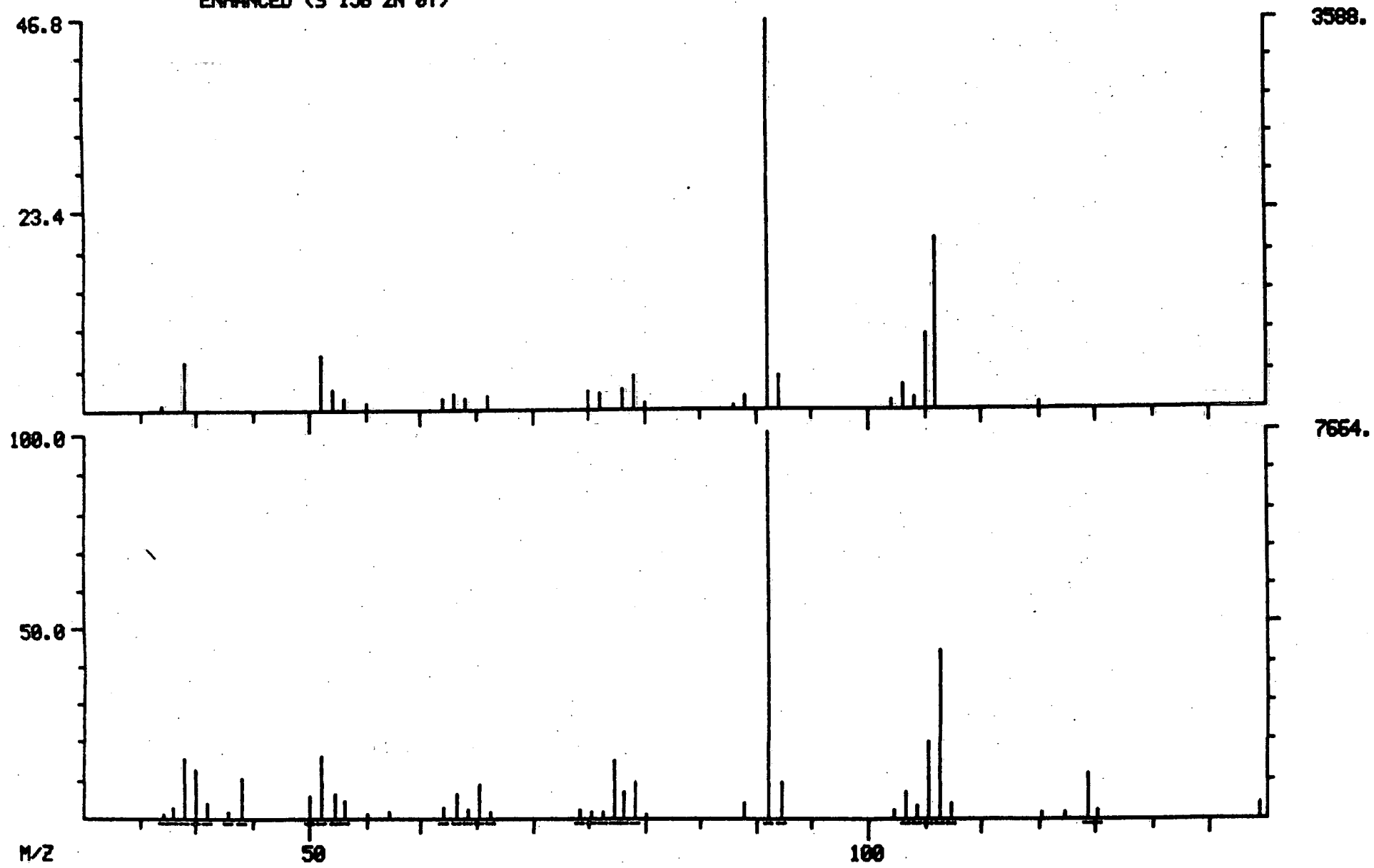
BASE M/Z: 91
RIC: 27999.



DUAL MASS SPECTRUM
06/20/90 2:52:00 + 26:58
SAMPLE: 9006L734-005 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061920 #809
CALI: P061920 #2

BASE M/Z: 91/ 91
RIC: 9471./ 27487.

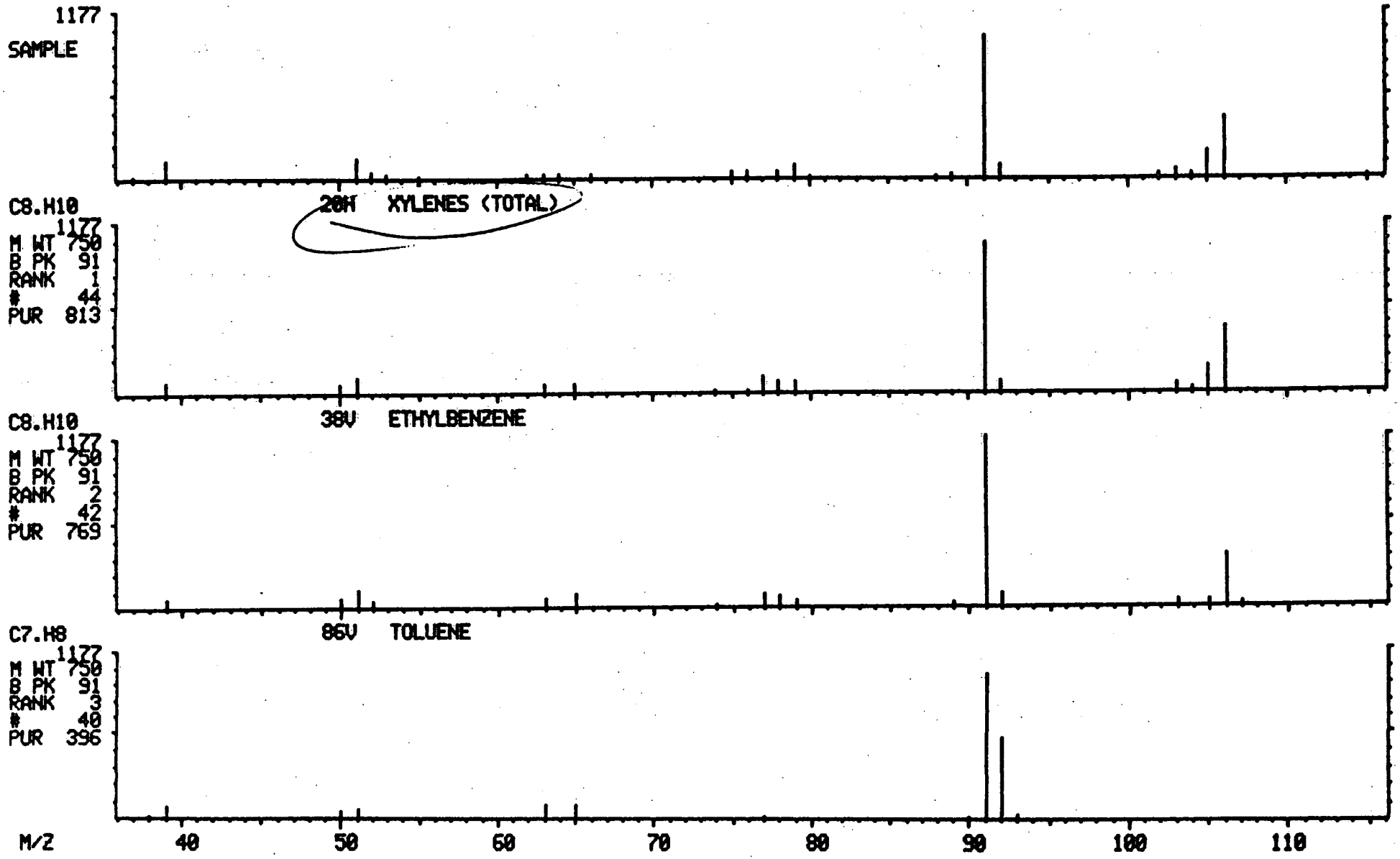


130

LIBRARY SEARCH
06/20/90 2:52:00 + 26:58
SAMPLE: 9006L734-005 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061920 # 809
CALI: P061920 # 2

BASE M/Z: 91
RIC: 9471.



1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO. 131

L.E. CARPENTER TRIP

Lab Name: Roy F. Weston, Inc. Work Order: 3600-04-51-0000

Client: WSI-LE CARPENTER

Matrix: WATER

Lab Sample ID: 9006L734-006

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: P061921

Level: (low/med) LOW

Date Received: 06/14/90

% Moisture: not dec. _____

Date Analyzed: 06/20/90

Column: (pack/cap) PACK

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	JB
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
110-75-8	2-chloroethylvinylether	10	U
75-25-2	Bromoform	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	9	
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO. 132

L.E. CARPENTER TRIP

Lab Name: Roy F. Weston, Inc. Work Order: 3600-04-51-0000

Client: WSI-LE CARPENTER

Matrix: WATER

Lab Sample ID: 9006L734-006

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: P061921

Level: (low/med) LOW

Date Received: 06/14/90

% Moisture: not dec. ____

Date Analyzed: 06/20/90

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

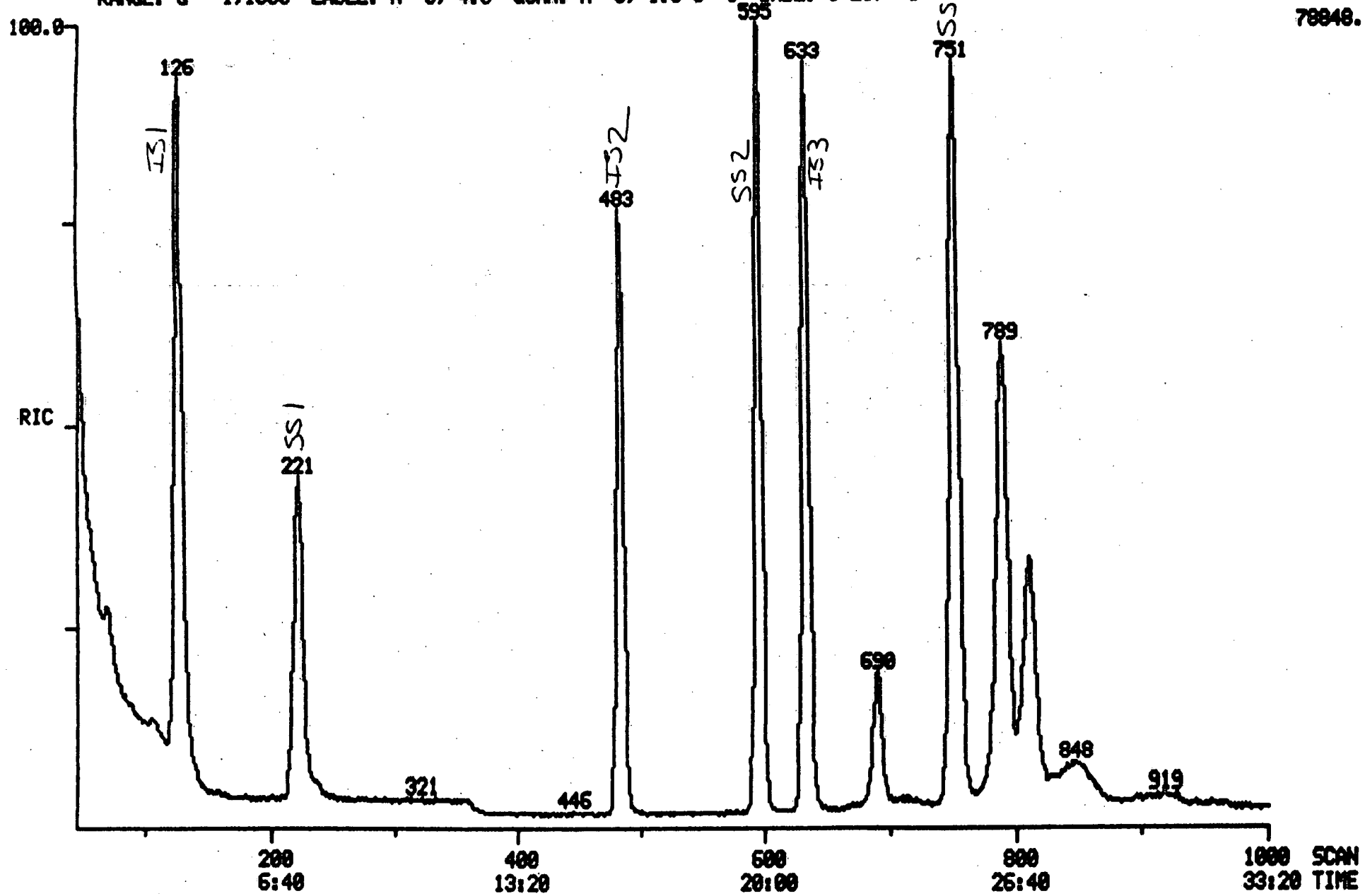
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	XYLENES (TOTAL)	26.30	71	CJ

C: Response Factor from daily standard.

RIC
06/20/90 3:43:00
SAMPLE: 9006L734-006 WESTON SERVICE
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: P061921 #1
CALI: P061921 #2

SCANS 45 TO 1000



Quantitation Report File: P061921

Data: P061921.TI
06/20/90 3:43:00
Sample: 9006L734-006 WESTON SERVICE
Conds.: QC#1/1050P
Formula: P061910 Instrument: 1050P Weight: 0.003
Submitted by: P061910 Analyst: JT Acct. No.: 061990

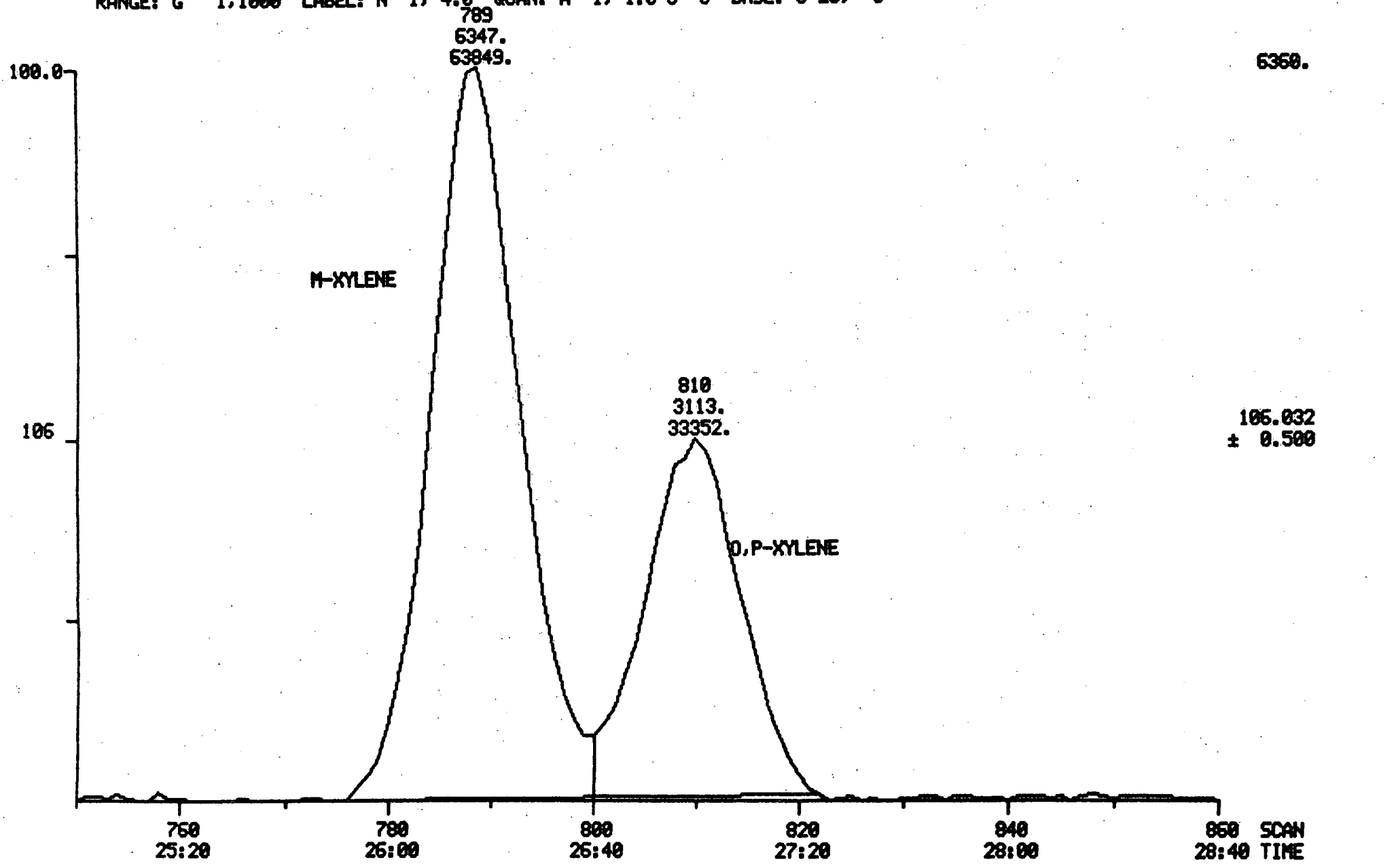
AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	IS1	BROMOCHLOROMETHANE
2	SS1	1,2-DICHLOROETHANE D4
3	45V	CHLOROMETHANE
4	46V	BROMOMETHANE
5	88V	VINYL CHLORIDE
6	16V	CHLOROETHANE
7	44V	METHYLENE CHLORIDE
8	13H	ACETONE
9	15H	CARBON DISULFIDE
10	29V	1,1-DICHLOROETHYLENE
11	13V	1,1-DICHLOROETHANE
12		1,2-DICHLOROETHENE (TOTAL)
13	23V	CHLOROFORM
14	10V	1,2-DICHLOROETHANE
15	IS2	1,4-DIFLUOROBENZENE
16	14H	2-BUTANONE
17	11V	1,1,1-TRICHLOROETHANE
18	6V	CARBON TETRACHLORIDE
19	19H	VINYL ACETATE
20	48V	BROMODICHLOROMETHANE
21	32V	1,2-DICHLOROPROPANE
22	33VC	CIS-1,3-DICHLOROPROPENE
23		TRICHLOROETHYLENE
24	51V	DIBROMOCHLOROMETHANE
25	14V	1,1,2-TRICHLOROETHANE
26	4V	BENZENE
27	33VT	TRANS-1,3-DICHLOROPROPENE
28	19V	2-CHLOROETHYL VINYL ETHER
29	47V	BROMOFORM
30	IS3	CHLOROBENZENE D5
31	SS2	TOLUENE D8
32	SS3	4-BROMOFLUOROBENZENE
33	17H	4-METHYL-2-PENTANONE
34	16H	2-HEXANONE
35	85V	TETRACHLOROETHYLENE
36	15V	1,1,2,2-TETRACHLOROETHANE
37	86V	TOLUENE
38	7V	CHLOROBENZENE
39	38V	ETHYLBENZENE
40	18H	STYRENE
41	20H	XYLENES (TOTAL)
42	26B	1,3-DICHLOROBENZENE
43	25B	1,2-DICHLOROBENZENE
44	27B	1,4-DICLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	126	4:12	1	1.000	A BB	73256.	50.000	UG/L	14.76
2	65	221	7:22	1	1.754	A BB	80991.	45.323	UG/L	13.38
3	50	32	1:04	1	0.254	A BB	7562.	7.293	UG/L	2.15
4	NOT	FOUND								
5	NOT	FOUND								
6	NOT	FOUND								
7	84	69	2:18	1	0.548	A BB	7635.	3.400	UG/L	1.00
8	43	69	2:18	1	0.548	A BB	1061.	1.309	UG/L	0.39
9	NOT	FOUND								
10	NOT	FOUND								
11	NOT	FOUND								
12	NOT	FOUND								
13	83	200	6:40	1	1.587	A BB	768.	0.228	UG/L	0.07
14	NOT	FOUND								
15	114	483	16:06	15	1.000	A BB	147309.	50.000	UG/L	14.76
16	NOT	FOUND								
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	NOT	FOUND								
30	117	633	21:06	30	1.000	A BB	143643.	50.000	UG/L	14.76
31	98	595	19:50	30	0.940	A BB	186666.	49.650	UG/L	14.66
32	95	751	25:02	30	1.186	A BB	118226.	50.432	UG/L	14.89
33	NOT	FOUND								
34	NOT	FOUND								
35	NOT	FOUND								
36	NOT	FOUND								
37	92	601	20:02	30	0.949	A BB	228.	0.097	UG/L	0.03
38	NOT	FOUND								
39	106	690	23:00	30	1.090	A VB	12338.	8.891	UG/L	2.62
40	104	785	26:10	30	1.240	A BB	784.	0.314	UG/L	0.09
41	106	810	27:00	30	1.280	A VB	29649.	21.586	UG/L	6.37
42	NOT	FOUND								
43	146	921	30:42	30	1.455	A VB	354.	0.123	UG/L	0.04
44	146	930	31:00	30	1.469	A BB	317.	0.098	UG/L	0.03

xylenes $\frac{63849 + 33352}{29649} \times 21.586 = 70.77$

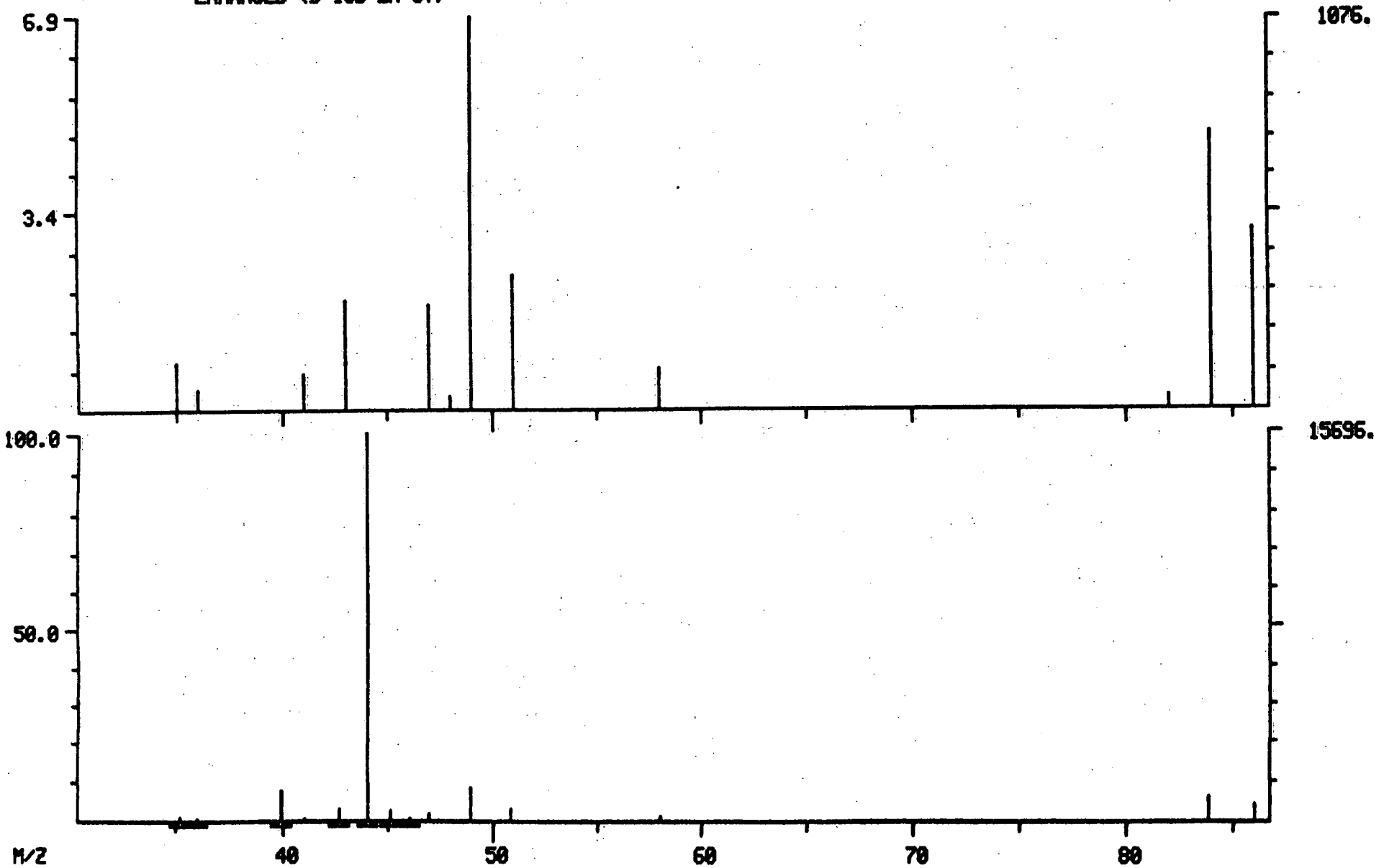
MASS CHROMATOGRAM DATA: P061921 #1 SCANS 750 TO 860
06/20/90 3:43:00 CALI: P061921 #2
SAMPLE: 9006L734-006 WESTON SERVICE
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 1, 4.0 QUAN: A 1, 1.0 J 0 BASE: U 20, 3



DUAL MASS SPECTRUM
06/20/90 3:43:00 + 2:18
SAMPLE: 9006L734-006 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061921 #69
CALI: P061921 #2

BASE M/Z: 49/ 44
RIC: 3755./ 21887.

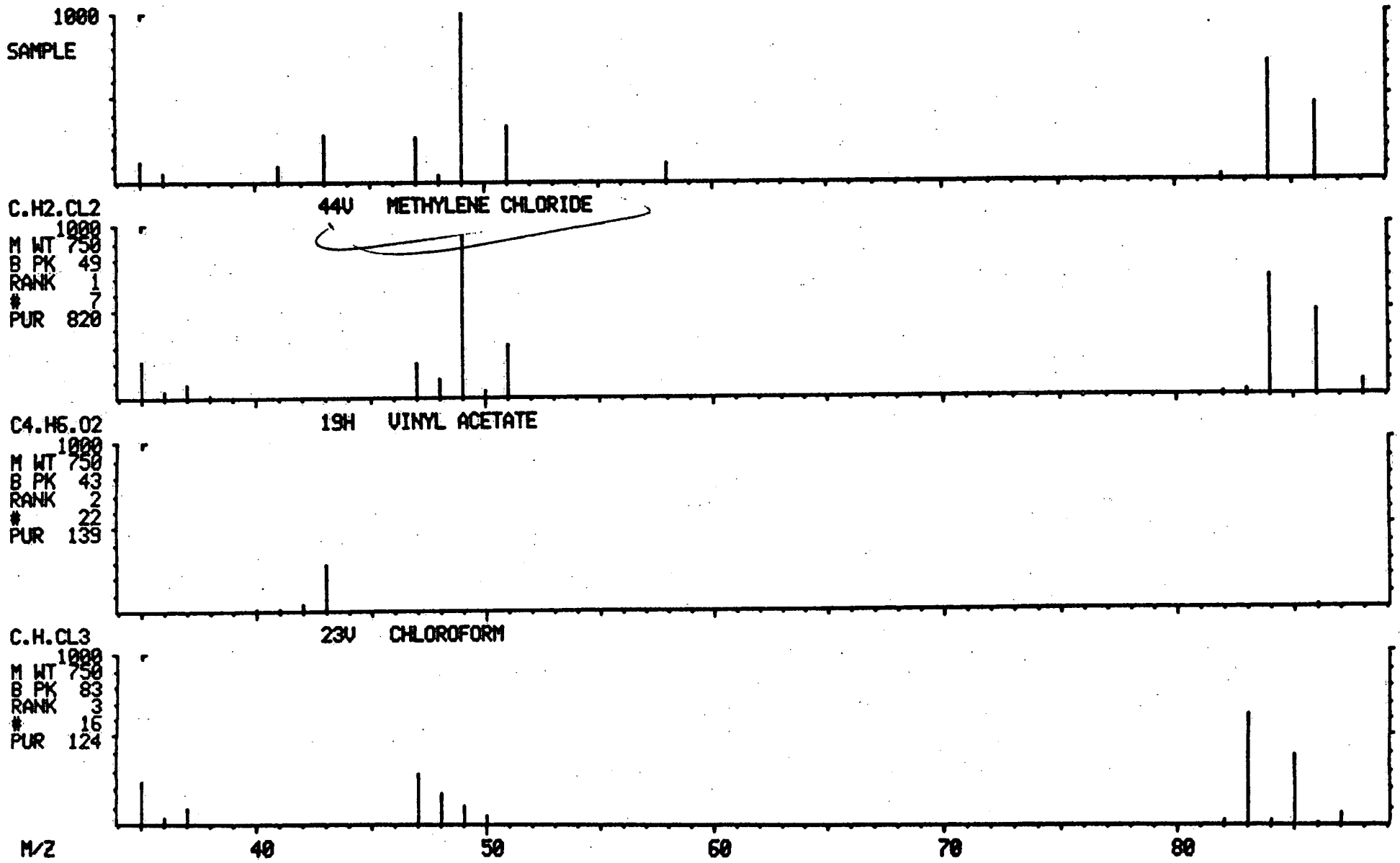


138

LIBRARY SEARCH
06/20/90 3:43:00 + 2:18
SAMPLE: 9006L734-006 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061921 # 69
CALI: P061921 # 2

BASE M/Z: 49
RIC: 3755.

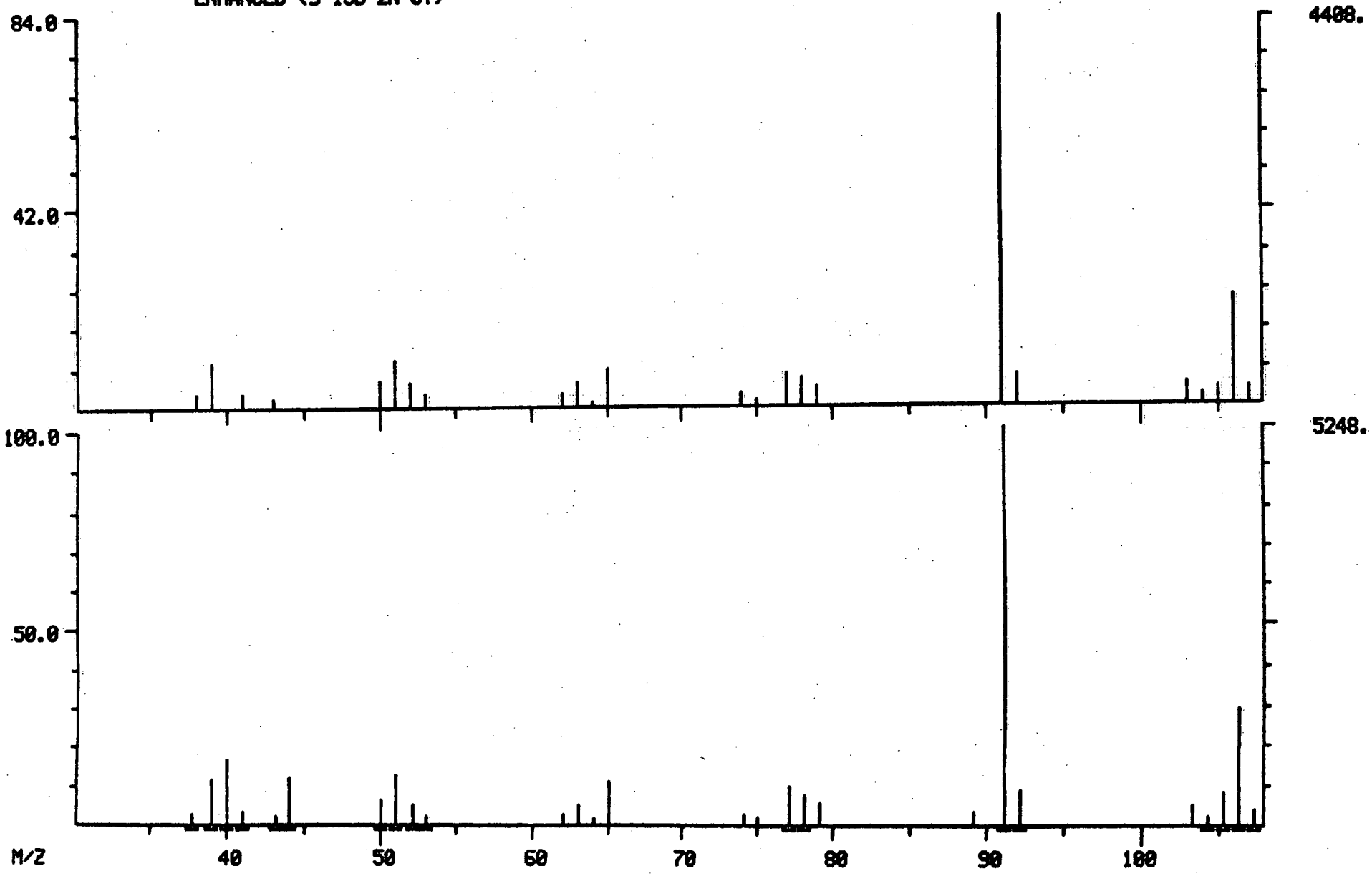


139

DUAL MASS SPECTRUM
06/20/90 3:43:00 + 23:00
SAMPLE: 9006L734-006 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061921 #690
CALI: P061921 #2

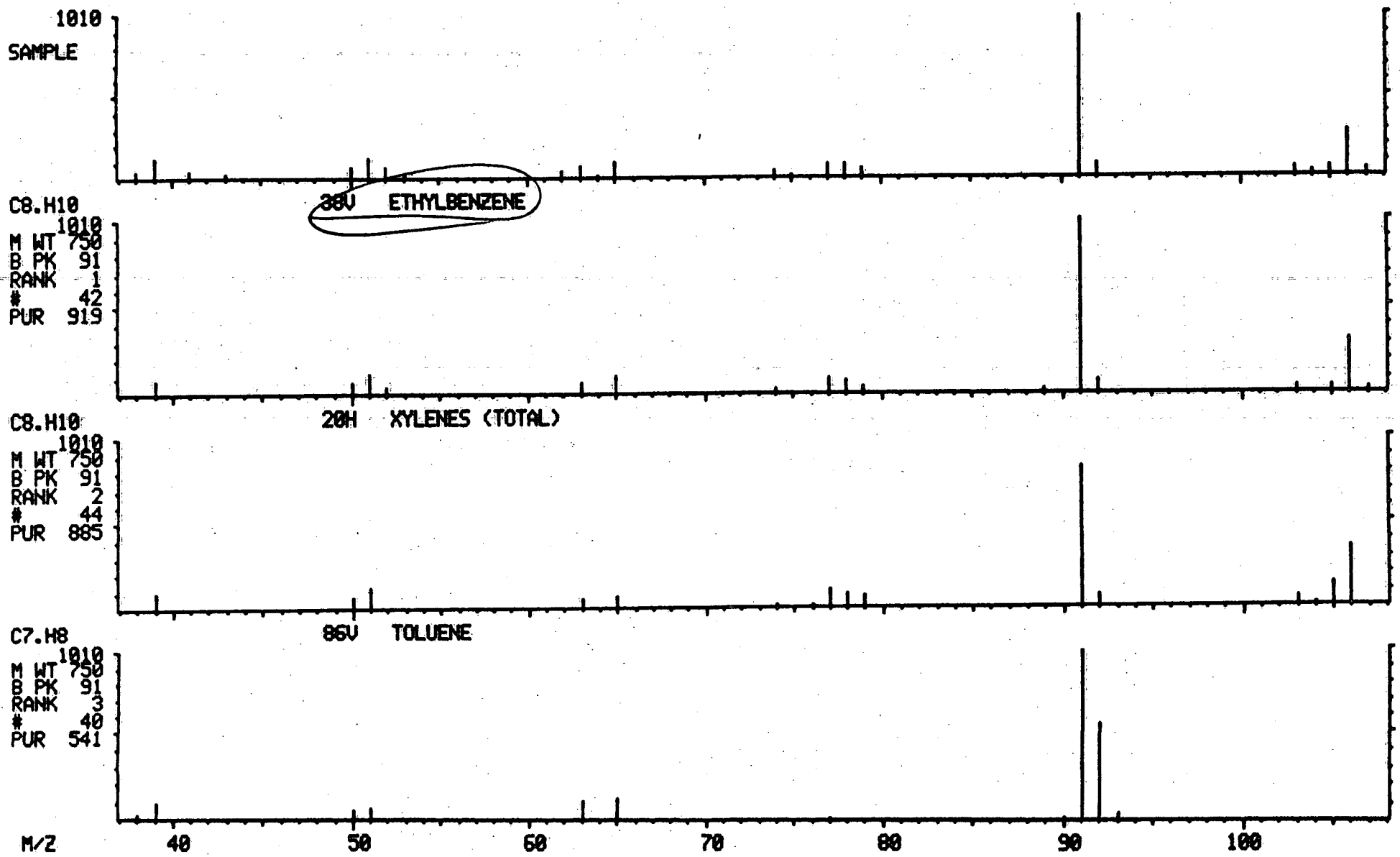
BASE M/Z: 91/ 91
RIC: 11135./ 15055.



LIBRARY SEARCH
06/20/90 3:43:00 + 23:00
SAMPLE: 9006L734-006 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061921 # 690
CALI: P061921 # 2

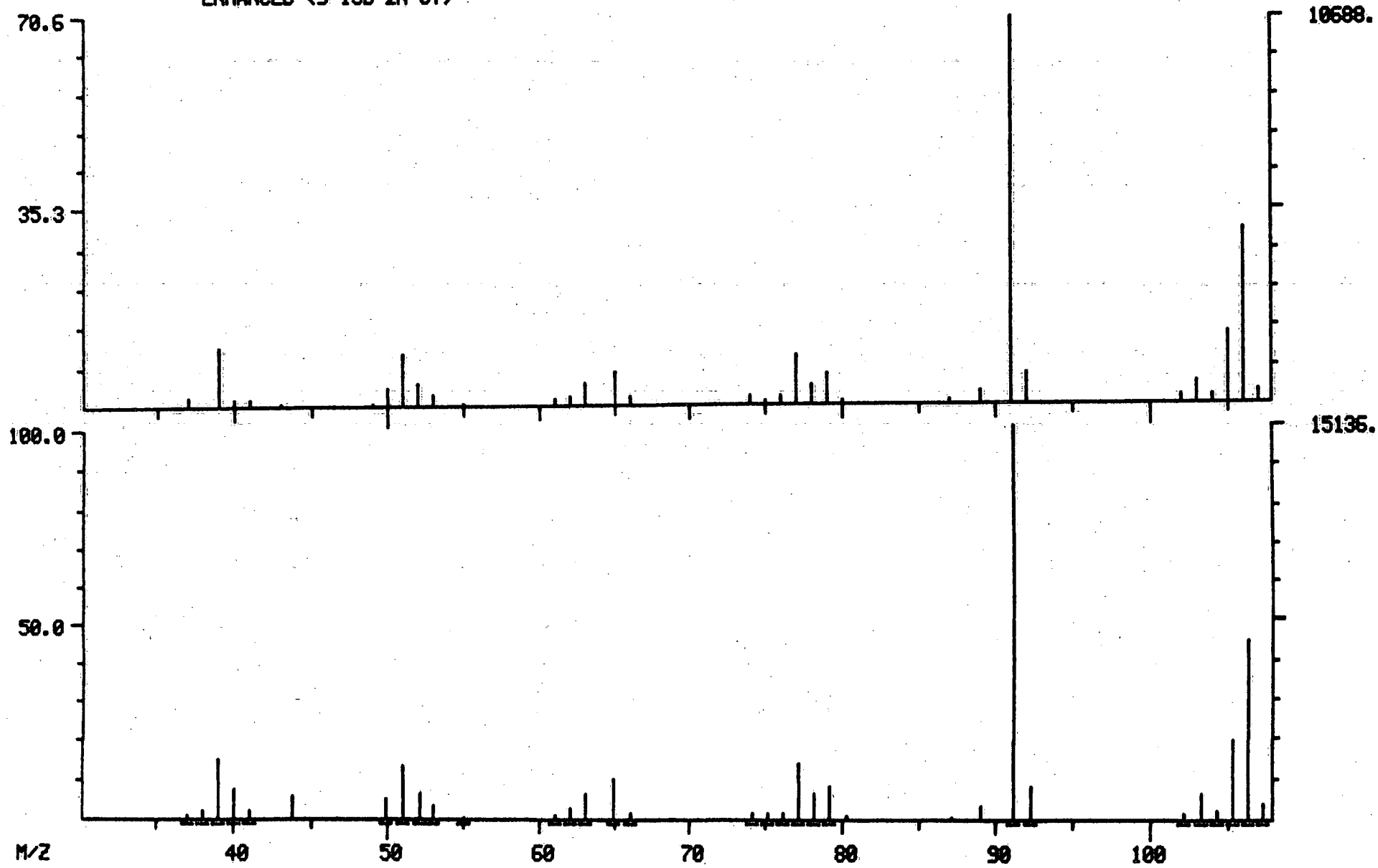
BASE M/Z: 91
RIC: 11135.



DUAL MASS SPECTRUM
06/20/90 3:43:00 + 26:18
SAMPLE: 9006L734-006 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061921 #789
CALI: P061921 #2

BASE M/Z: 91/ 91
RIC: 31199./ 47039.

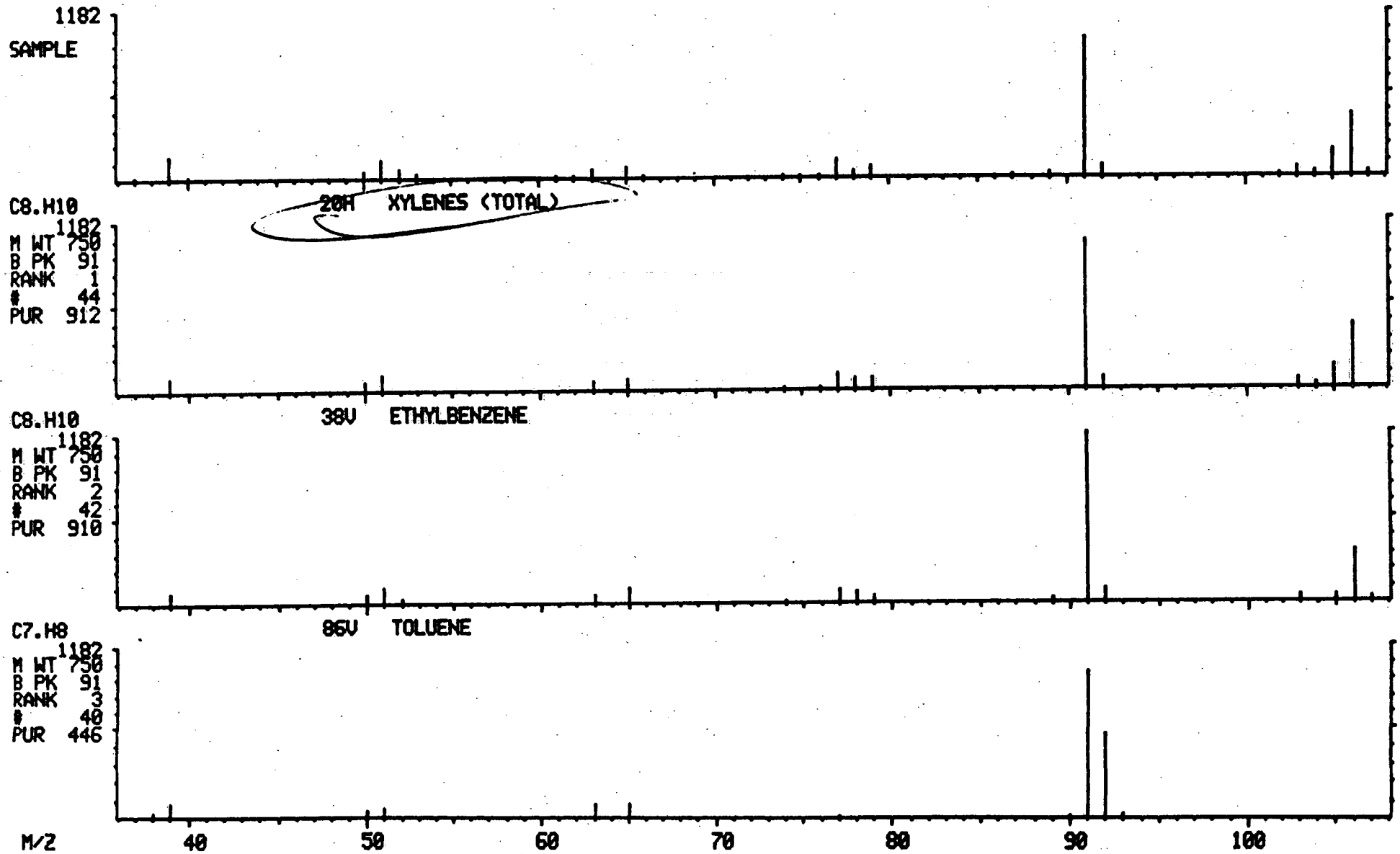


14

LIBRARY SEARCH
06/20/90 3:43:00 + 26:18
SAMPLE: 9006L734-006 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061921 # 789
CALI: P061921 # 2

BASE M/Z: 91
RIC: 30719.

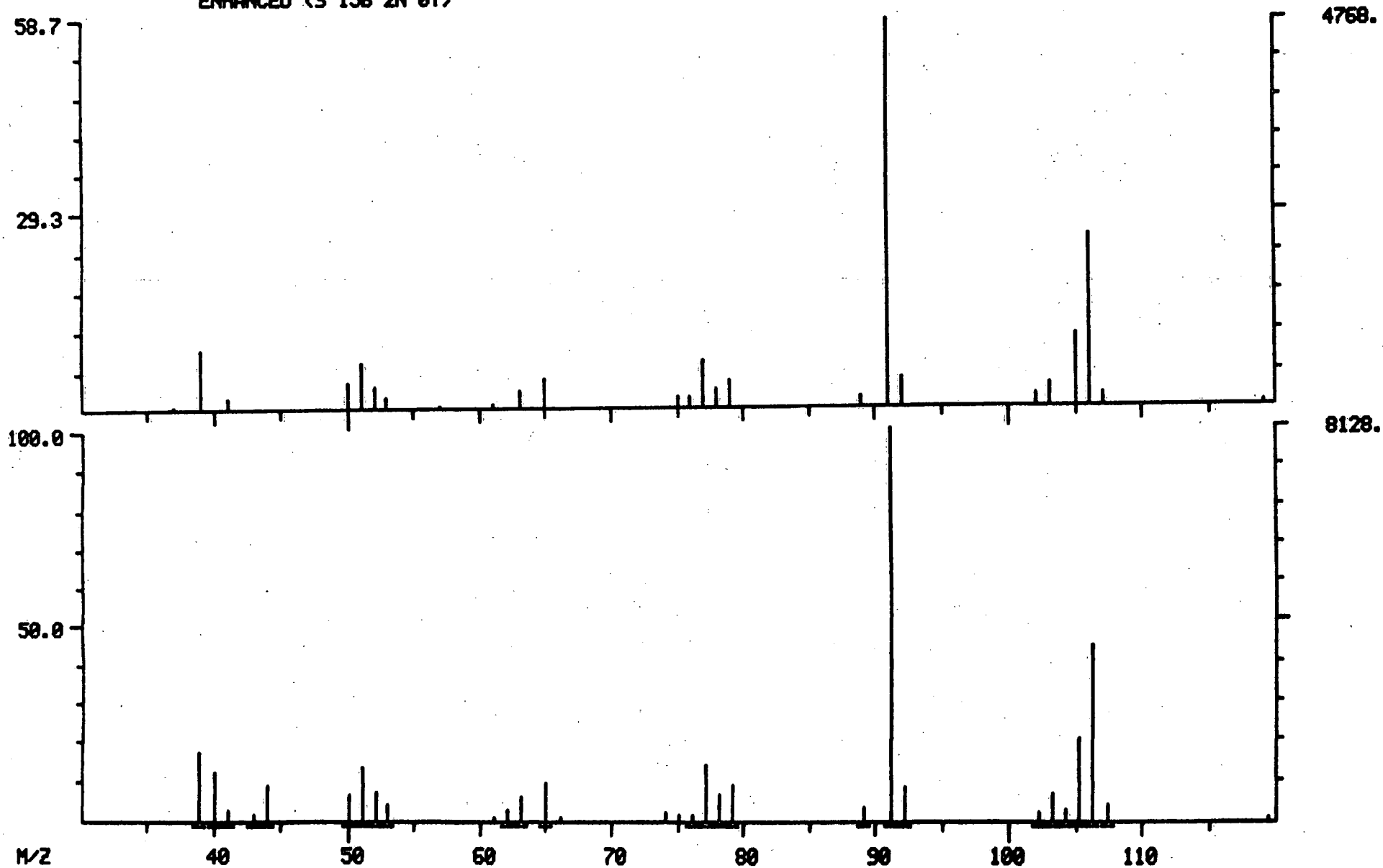


143

DUAL MASS SPECTRUM
06/20/90 3:43:00 + 27:00
SAMPLE: 9006L734-006 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061921 #810
CALI: P061921 #2

BASE M/Z: 91/ 91
RIC: 13503./ 26079.

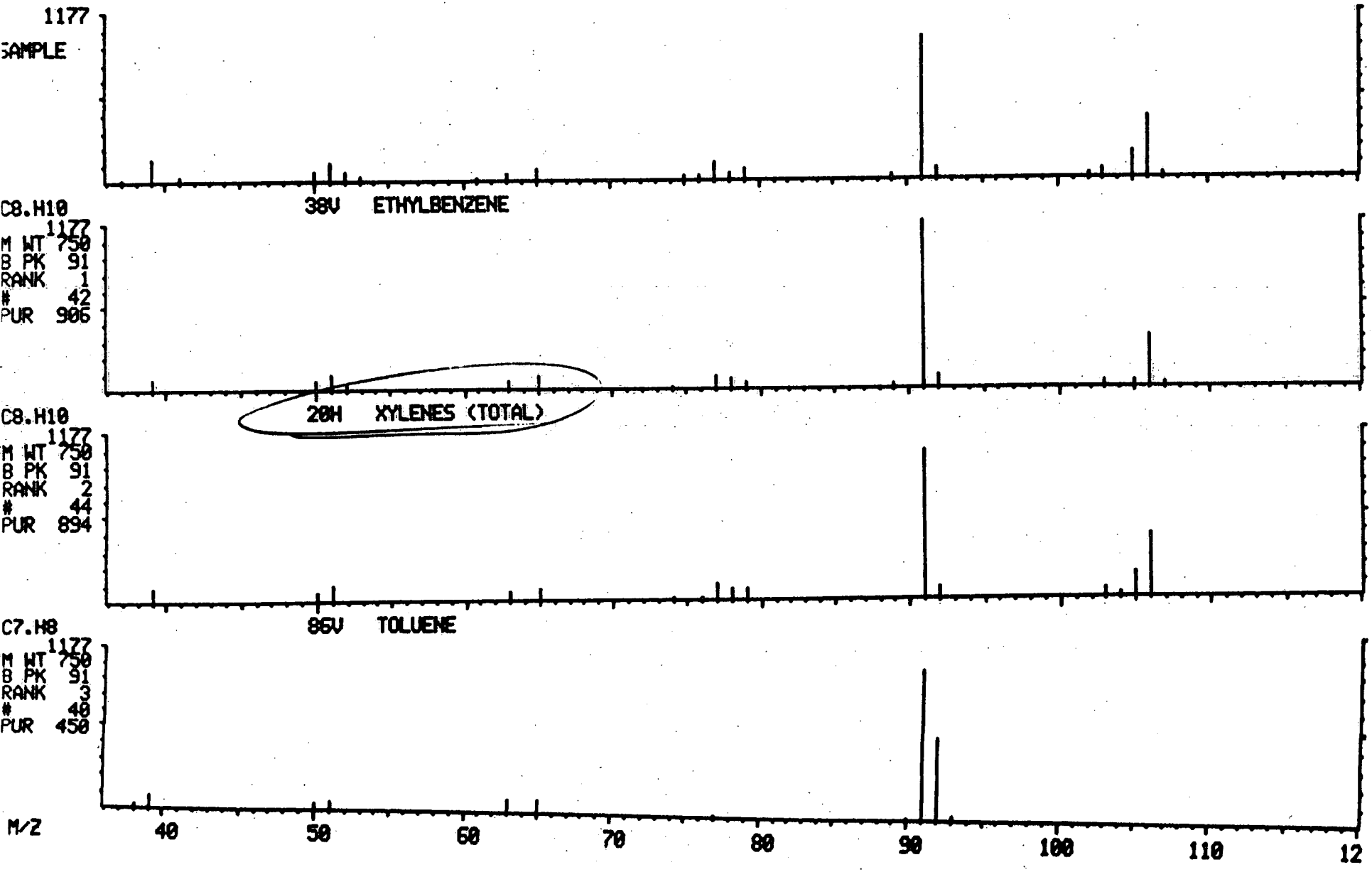


144

LIBRARY SEARCH
06/20/90 3:43:00 + 27:00
SAMPLE: 9006L734-006 WESTON SERVICE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061921 # 810
CALI: P061921 # 2

BASE M/Z: 91
RIC: 13471.



IV. Standards Data Package

A. Initial Calibration Data:

1. Form VI
2. Reconstructed Ion Chromatogram(s) and Quantitation Report(s)

B. Continuing Calibration Data

1. Form VII
2. Reconstructed Ion Chromatogram(s) and Quantitation Report(s)

C. Internal Standard Summary (Form VIII)

6A

VOLATILE ORGANICS INTITIAL CALIBRATION DATA

Lab Name: Roy F. Weston, Inc. Contract: 3600-04-51-0000

Case No.: WSI-LE CARPENTER RFW Lot: 9006L734

Instrument ID: 1050P Calibration Date(s): 06/19/90 06/19/90

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

Min $\overline{RRF}$ for SPCC(#) = 0.300 (0.250 for Bromoform) Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 = P061909 RRF50 = P061902
RRF100= P061907 RRF150= P061908 RRF200= P061905

COMPOUND		RRF20	RRF50	RRF100	RRF150	RRF200	$\overline{RRF}$	% RSD
Chloromethane	#	0.914	1.254	0.535	0.154	0.272	0.626	73.0#
Bromomethane		1.414	1.380	1.609	1.502	1.154	1.412	12.0
Vinyl Chloride	*	1.025	0.994	1.197	1.398	1.223	1.167	14.0*
Chloroethane		1.119	1.016	1.189	1.414	1.380	1.224	13.9
Methylene Chloride		1.698	1.407	1.464	1.616	1.577	1.552	7.5
Acetone		0.565	0.426	0.527	0.537	0.604	0.532	12.5
Carbon Disulfide		2.085	1.909	2.079	2.256	1.969	2.060	6.4
1,1-Dichloroethene	*	1.235	1.080	1.180	1.230	1.060	1.157	7.1*
1,1-Dichloroethane	#	2.175	1.982	2.195	2.368	2.072	2.158	6.7#
1,2-Dichloroethene (total)		1.281	1.118	1.237	1.283	1.116	1.207	7.0
Chloroform	*	2.345	2.212	2.479	2.603	2.288	2.385	6.5*
1,2-Dichloroethane		1.379	1.237	1.406	1.456	1.381	1.372	5.9
2-Butanone		0.105	0.101	0.104	0.107	0.121	0.108	7.2
1,1,1-Trichloroethane		0.827	0.707	0.826	0.931	0.960	0.850	11.8
Carbon Tetrachloride		0.679	0.607	0.740	0.854	0.858	0.748	14.7
Vinyl Acetate		1.204	0.875	1.075	1.174	0.390	0.944	35.5
Bromodichloromethane		1.031	0.939	1.125	1.253	1.385	1.147	15.4
1,2-Dichloropropane	*	0.898	0.807	0.872	0.975	1.033	0.917	9.6*
cis-1,3-Dichloropropene		0.784	0.674	0.851	0.985	1.091	0.877	18.7
Trichloroethene		0.591	0.471	0.602	0.870	0.807	0.668	24.7
Dibromochloromethane		0.442	0.454	0.717	0.937	1.188	0.748	42.8
1,1,2-Trichloroethane		0.418	0.375	0.512	0.662	0.836	0.561	33.8
Benzene		1.060	1.025	1.164	1.364	1.391	1.201	14.1
Trans-1,3-Dichloropropene		0.483	0.455	0.647	0.834	1.042	0.692	35.7
Bromoform	#	0.324	0.301	0.452	0.552	0.678	0.461	34.2#
4-Methyl-2-pentanone		0.589	0.458	0.467	0.452	0.476	0.488	11.7
2-Hexanone		0.547	0.393	0.385	0.359	0.398	0.416	17.9
Tetrachloroethene		0.441	0.413	0.524	0.601	0.579	0.512	16.2
1,1,2,2-Tetrachloroethane	#	0.713	0.648	0.821	0.933	0.882	0.799	14.7#
Toluene	*	0.822	0.745	0.853	0.918	0.902	0.848	8.2*
Chlorobenzene	#	1.078	0.917	1.035	1.108	1.113	1.050	7.7#
Ethylbenzene	*	0.492	0.420	0.495	0.527	0.513	0.489	8.4*
Styrene		0.940	0.774	0.924	1.027	1.053	0.944	11.6
Xylene (total)		0.525	0.412	0.477	0.503	0.482	0.480	8.8
Toluene-d8		1.356	1.256	1.376	1.539	1.535	1.412	8.7
Bromofluorobenzene		0.938	0.760	0.804	0.866	0.863	0.846	8.0
1,2-Dichloroethane-d4		1.344	1.207	1.295	1.354	1.245	1.289	4.9

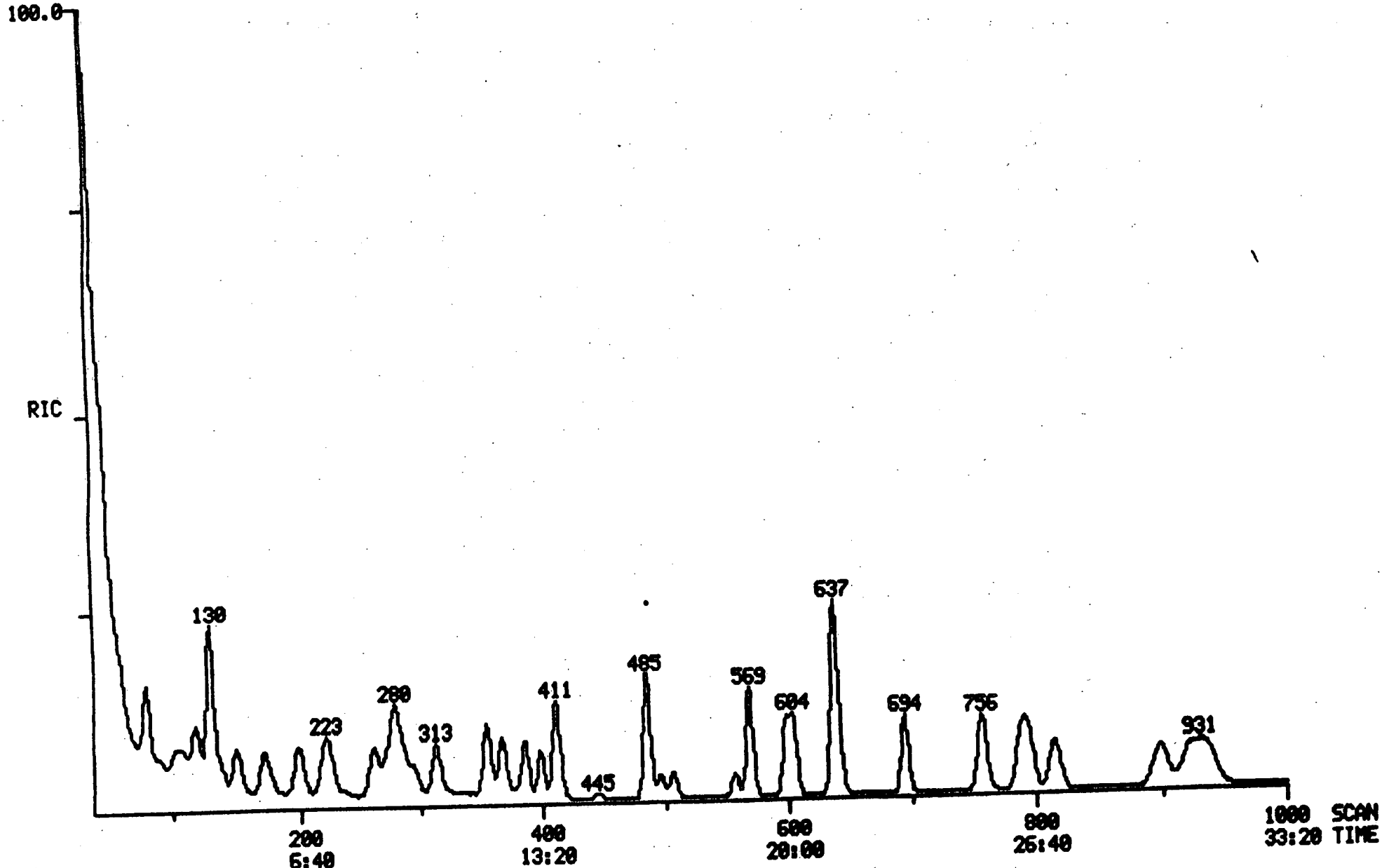
147

RIC
06/19/90 16:50:00
SAMPLE: VSTD20 20PPB STD
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: P061909 #1
CALI: P061909 #2

SCANS 35 TO 1000

375296.



Quantitation Report File: P061909

Data: P061909.TI
06/19/90 16:50:00
Sample: VSTD20 20PPB STD
Conds.: QC#1/1050P
Formula: P061901
Submitted by: P061901

Instrument: 1050P
Analyst: JT

Weight: 0.003
Acct. No.: 061990

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	IS1	BROMOCHLOROMETHANE
2	SS1	1,2-DICHLOROETHANE D4
3	45V	CHLOROMETHANE
4	46V	BROMOMETHANE
5	88V	VINYL CHLORIDE
6	16V	CHLOROETHANE
7	44V	METHYLENE CHLORIDE
8	13H	ACETONE
9	21H	ACROLEIN
10	15H	CARBON DISULFIDE
11	24H	TRICHLOROFLUOROMETHANE
12	22H	ACRYLONITRILE
13	29V	1,1-DICHLOROETHYLENE
14	13V	1,1-DICHLOROETHANE
15		1,2-DICHLOROETHENE (TOTAL)
16	23V	CHLOROFORM
17	10V	1,2-DICHLOROETHANE
18	IS2	1,4-DIFLUOROBENZENE
19	14H	2-BUTANONE
20	11V	1,1,1-TRICHLOROETHANE
21	6V	CARBON TETRACHLORIDE
22	19H	VINYL ACETATE
23	48V	BROMODICHLOROMETHANE
24	32V	1,2-DICHLOROPROPANE
25	33VC	CIS-1,3-DICHLOROPROPENE
26		TRICHLOROETHYLENE
27	51V	DIBROMOCHLOROMETHANE
28	14V	1,1,2-TRICHLOROETHANE
29	4V	BENZENE
30	33VT	TRANS-1,3-DICHLOROPROPENE
31	19V	2-CHLOROETHYL VINYL ETHER
32	47V	BROMOFORM
33	IS3	CHLOROBENZENE D5
34	SS2	TOLUENE D8
35	SS3	4-BROMOFLUOROBENZENE
36	17H	4-METHYL-2-PENTANONE
37	16H	2-HEXANONE
38	85V	TETRACHLOROETHYLENE
39	15V	1,1,2,2-TETRACHLOROETHANE
40	86V	TOLUENE
41	7V	CHLOROBENZENE
42	38V	ETHYLBENZENE
43	18H	STYRENE
44	20H	XYLENES (TOTAL)
45	26B	1,3-DICHLOROBENZENE
46	25B	1,2-DICHLOROBENZENE
47	27B	1,4-DICLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	130	4:20	1	1.000	A BB	78350.	50.000 UG/L	4.85
2	65	222	7:24	1	1.708	A BB	42118.	20.000 UG/L	1.94
3	50	42	1:24	1	0.323	A BB	28641.	20.000 UG/L	1.94
4	94	48	1:36	1	0.369	A BB	44318.	20.000 UG/L	1.94
5	62	53	1:46	1	0.408	A BB	32131.	20.000 UG/L	1.94
6	64	58	1:56	1	0.446	A BB	35060.	20.000 UG/L	1.94
7	84	78	2:36	1	0.600	A BB	53204.	20.000 UG/L	1.94
8	43	80	2:40	1	0.615	A BB	17713.	20.000 UG/L	1.94
9	56	80	2:40	1	0.615	A BB	1795.	20.000 UG/L	1.94
10	76	102	3:24	1	0.785	A BB	65346.	20.000 UG/L	1.94
11	101	108	3:36	1	0.831	A BB	38179.	20.000 UG/L	1.94
12	53	89	2:58	1	0.685	A BB	11370.	20.000 UG/L	1.94
13	96	119	3:58	1	0.915	A BB	38709.	20.000 UG/L	1.94
14	63	150	5:00	1	1.154	A BB	68152.	20.000 UG/L	1.94
15	96	172	5:44	1	1.323	A BB	40147.	20.000 UG/L	1.94
16	83	199	6:38	1	1.531	A BB	73493.	20.000 UG/L	1.94
17	62	225	7:30	1	1.731	A BB	43232.	20.000 UG/L	1.94
18	114	485	16:10	18	1.000	A BB	142806.	50.000 UG/L	4.85
19	72	219	7:18	18	0.452	A BB	6015.	20.000 UG/L	1.94
20	97	272	9:04	18	0.561	A BB	47252.	20.000 UG/L	1.94
21	117	286	9:32	18	0.590	A VB	38803.	20.000 UG/L	1.94
22	43	294	9:48	18	0.606	A VB	68785.	20.000 UG/L	1.94
23	83	313	10:26	18	0.645	A BB	58887.	20.000 UG/L	1.94
24	63	355	11:50	18	0.732	A BB	51307.	20.000 UG/L	1.94
25	75	367	12:14	18	0.757	A VB	53707.	24.000 UG/L	2.33
26	130	385	12:50	18	0.794	A BB	33786.	20.000 UG/L	1.94
27	129	409	13:38	18	0.843	A BB	25230.	20.000 UG/L	1.94
28	97	412	13:44	18	0.849	A BB	23874.	20.000 UG/L	1.94
29	78	398	13:16	18	0.821	A BB	60528.	20.000 UG/L	1.94
30	75	411	13:42	18	0.847	A VB	22073.	16.000 UG/L	1.55
31	63	445	14:50	18	0.918	A BB	3484.	20.000 UG/L	1.94
32	173	497	16:34	18	1.025	A BB	18501.	20.000 UG/L	1.94
33	117	636	21:12	33	1.000	A BB	144266.	50.000 UG/L	4.85
34	98	599	19:58	33	0.942	A BB	78278.	20.000 UG/L	1.94
35	95	756	25:12	33	1.189	A BB	54141.	20.000 UG/L	1.94
36	43	507	16:54	33	0.797	A BB	33977.	20.000 UG/L	1.94
37	43	557	18:34	33	0.876	A BB	31545.	20.000 UG/L	1.94
38	164	569	18:58	33	0.895	A BB	25445.	20.000 UG/L	1.94
39	83	569	18:58	33	0.895	A BB	41130.	20.000 UG/L	1.94
40	92	604	20:08	33	0.950	A BB	47441.	20.000 UG/L	1.94
41	112	640	21:20	33	1.006	A BB	62180.	20.000 UG/L	1.94
42	106	694	23:08	33	1.091	A BB	28398.	20.000 UG/L	1.94
43	104	787	26:14	33	1.237	A BB	54231.	20.000 UG/L	1.94
44	106	814	27:08	33	1.280	A VB	30271.	20.000 UG/L	1.94
45	146	898	29:56	33	1.412	A BB	40991.	20.000 UG/L	1.94
46	146	927	30:54	33	1.458	M XX	37811.	20.000 UG/L	1.94
47	146	933	31:06	33	1.467	M XX	51834.	20.000 UG/L	1.94

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	4:58	0.87	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	7:56	0.93	1.597	1.07	20.00	20.00	1.344	1.344	1.00
3	1:34	0.89	0.315	1.02	20.00	20.00	0.914	0.914	1.00
4	1:48	0.89	0.362	1.02	20.00	20.00	1.414	1.414	1.00
5	2:00	0.88	0.403	1.01	20.00	20.00	1.025	1.025	1.00
6	2:12	0.88	0.443	1.01	20.00	20.00	1.119	1.119	1.00
7	3:00	0.87	0.604	0.99	20.00	20.00	1.698	1.698	1.00

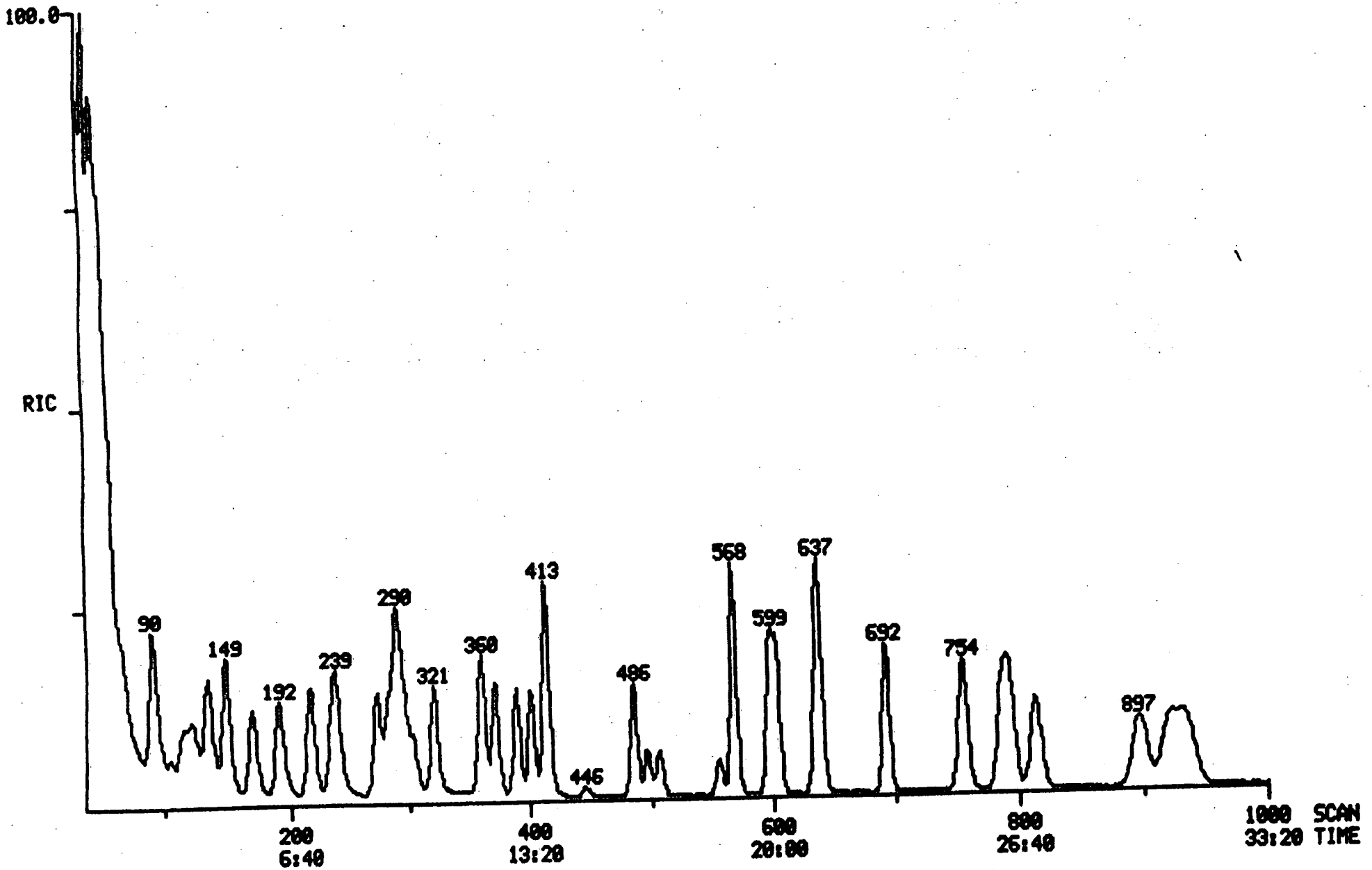
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
8	3:04	0.87	0.617	1.00	20.00	20.00	0.565	0.565	1.00
9	3:04	0.87	0.617	1.00	20.00	20.00	0.057	0.057	1.00
10	3:50	0.89	0.772	1.02	20.00	20.00	2.085	2.085	1.00
11	4:06	0.88	0.826	1.01	20.00	20.00	1.218	1.218	1.00
12	3:30	0.85	0.705	0.97	20.00	20.00	0.363	0.363	1.00
13	4:30	0.88	0.906	1.01	20.00	20.00	1.235	1.235	1.00
14	5:40	0.88	1.141	1.01	20.00	20.00	2.175	2.175	1.00
15	6:24	0.90	1.289	1.03	20.00	20.00	1.281	1.281	1.00
16	7:16	0.91	1.463	1.05	20.00	20.00	2.345	2.345	1.00
17	8:02	0.93	1.617	1.07	20.00	20.00	1.379	1.379	1.00
18	16:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
19	7:50	0.93	0.484	0.93	20.00	20.00	0.105	0.105	1.00
20	9:28	0.96	0.584	0.96	20.00	20.00	0.827	0.827	1.00
21	9:52	0.97	0.609	0.97	20.00	20.00	0.679	0.679	1.00
22	10:08	0.97	0.626	0.97	20.00	20.00	1.204	1.204	1.00
23	10:42	0.98	0.660	0.98	20.00	20.00	1.031	1.031	1.00
24	12:00	0.99	0.741	0.99	20.00	20.00	0.898	0.898	1.00
25	12:22	0.99	0.763	0.99	24.00	24.00	0.784	0.784	1.00
26	12:58	0.99	0.800	0.99	20.00	20.00	0.591	0.591	1.00
27	13:46	0.99	0.850	0.99	20.00	20.00	0.442	0.442	1.00
28	13:48	1.00	0.852	1.00	20.00	20.00	0.418	0.418	1.00
29	13:22	0.99	0.825	0.99	20.00	20.00	1.060	1.060	1.00
30	13:46	1.00	0.850	1.00	16.00	16.00	0.483	0.483	1.00
31	14:52	1.00	0.918	1.00	20.00	20.00	0.061	0.061	1.00
32	16:34	1.00	1.023	1.00	20.00	20.00	0.324	0.324	1.00
33	21:10	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
34	19:56	1.00	0.942	1.00	20.00	20.00	1.356	1.356	1.00
35	25:08	1.00	1.187	1.00	20.00	20.00	0.938	0.938	1.00
36	16:54	1.00	0.798	1.00	20.00	20.00	0.589	0.589	1.00
37	18:32	1.00	0.876	1.00	20.00	20.00	0.547	0.547	1.00
38	18:56	1.00	0.894	1.00	20.00	20.00	0.441	0.441	1.00
39	18:58	1.00	0.896	1.00	20.00	20.00	0.713	0.713	1.00
40	20:06	1.00	0.950	1.00	20.00	20.00	0.822	0.822	1.00
41	21:18	1.00	1.006	1.00	20.00	20.00	1.078	1.078	1.00
42	23:04	1.00	1.090	1.00	20.00	20.00	0.492	0.492	1.00
43	26:10	1.00	1.236	1.00	20.00	20.00	0.940	0.940	1.00
44	27:06	1.00	1.280	1.00	20.00	20.00	0.525	0.525	1.00
45	29:54	1.00	1.413	1.00	20.00	20.00	0.710	0.710	1.00
46	30:56	1.00	1.461	1.00	20.00	20.00	0.655	0.655	1.00
47	31:06	1.00	1.469	1.00	20.00	20.00	0.898	0.898	1.00

RIC
06/19/90 10:45:00
SAMPLE: VSTD50 50PPB STD
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: P061902 #1
CALI: P061902 #2

SCANS 35 TO 1000

538624.



Quantitation Report File: P061902

Data: P061902.TI
06/19/90 10:45:00
Sample: VSTD50 50PPB STD
Conds.: GC#1/1050P
Formula: P061902 Instrument: 1050P Weight: 0.002
Submitted by: P061901 Analyst: CAB Acct. No.: 061990

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	IS1	BROMOCHLOROMETHANE
2	SS1	1,2-DICHLOROETHANE D4
3	45V	CHLOROMETHANE
4	46V	BROMOMETHANE
5	88V	VINYL CHLORIDE
6	16V	CHLOROETHANE
7	44V	METHYLENE CHLORIDE
8	13H	ACETONE
9	21H	ACROLEIN
10	15H	CARBON DISULFIDE
11	24H	TRICHLOROFLUOROMETHANE
12	22H	ACRYLONITRILE
13	29V	1,1-DICHLOROETHYLENE
14	13V	1,1-DICHLOROETHANE
15		1,2-DICHLOROETHENE (TOTAL)
16	23V	CHLOROFORM
17	10V	1,2-DICHLOROETHANE
18	IS2	1,4-DIFLUOROBENZENE
19	14H	2-BUTANONE
20	11V	1,1,1-TRICHLOROETHANE
21	6V	CARBON TETRACHLORIDE
22	19H	VINYL ACETATE
23	48V	BROMODICHLOROMETHANE
24	32V	1,2-DICHLOROPROPANE
25	33VC	CIS-1,3-DICHLOROPROPENE
26		TRICHLOROETHYLENE
27	51V	DIBROMOCHLOROMETHANE
28	14V	1,1,2-TRICHLOROETHANE
29	4V	BENZENE
30	33VT	TRANS-1,3-DICHLOROPROPENE
31	19V	2-CHLOROETHYL VINYL ETHER
32	47V	BROMOFORM
33	IS3	CHLOROBENZENE D5
34	SS2	TOLUENE D8
35	SS3	4-BROMOFLUOROBENZENE
36	17H	4-METHYL-2-PENTANONE
37	16H	2-HEXANONE
38	85V	TETRACHLOROETHYLENE
39	15V	1,1,2,2-TETRACHLOROETHANE
40	86V	TOLUENE
41	7V	CHLOROBENZENE
42	38V	ETHYLBENZENE
43	18H	STYRENE
44	20H	XYLENES (TOTAL)
45	26B	1,3-DICHLOROBENZENE
46	25B	1,2-DICHLOROBENZENE
47	27B	1,4-DICLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	149	4:58	1	1.000	A BB	98927.	50.000	UG/L	2.13
2	65	238	7:56	1	1.597	A BB	119385.	50.000	UG/L	2.13
3	50	47	1:34	1	0.315	A BB	124027.	50.000	UG/L	2.13
4	94	54	1:48	1	0.362	A BB	136537.	50.000	UG/L	2.13
5	62	60	2:00	1	0.403	A BB	98306.	50.000	UG/L	2.13
6	64	66	2:12	1	0.443	A BB	100478.	50.000	UG/L	2.13
7	84	90	3:00	1	0.604	A BB	139228.	50.000	UG/L	2.13
8	43	92	3:04	1	0.617	A BB	42109.	50.000	UG/L	2.13
9	56	92	3:04	1	0.617	A BB	4110.	50.000	UG/L	2.13
10	76	115	3:50	1	0.772	A BB	188817.	50.000	UG/L	2.13
11	101	123	4:06	1	0.826	A BB	117711.	50.000	UG/L	2.13
12	53	105	3:30	1	0.705	A BB	28546.	50.000	UG/L	2.13
13	96	135	4:30	1	0.906	A BB	106888.	50.000	UG/L	2.13
14	63	170	5:40	1	1.141	A BB	196097.	50.000	UG/L	2.13
15	96	192	6:24	1	1.289	A BB	110558.	50.000	UG/L	2.13
16	83	218	7:16	1	1.463	A BB	218833.	50.000	UG/L	2.13
17	62	241	8:02	1	1.617	A BB	122409.	50.000	UG/L	2.13
18	114	486	16:12	18	1.000	A BB	175626.	50.000	UG/L	2.13
19	72	235	7:50	18	0.484	A BB	17660.	50.000	UG/L	2.13
20	97	284	9:28	18	0.584	A BB	124199.	50.000	UG/L	2.13
21	117	296	9:52	18	0.609	A VB	106604.	50.000	UG/L	2.13
22	43	304	10:08	18	0.626	A VB	153659.	50.000	UG/L	2.13
23	83	321	10:42	18	0.660	A BB	164866.	50.000	UG/L	2.13
24	63	360	12:00	18	0.741	A BB	141666.	50.000	UG/L	2.13
25	75	371	12:22	18	0.763	A VB	142141.	60.000	UG/L	2.55
26	130	389	12:58	18	0.800	A BB	82635.	50.000	UG/L	2.13
27	129	413	13:46	18	0.850	A BB	79731.	50.000	UG/L	2.13
28	97	414	13:48	18	0.852	A BB	65848.	50.000	UG/L	2.13
29	78	401	13:22	18	0.825	A BB	180016.	50.000	UG/L	2.13
30	75	413	13:46	18	0.850	A VB	63942.	40.000	UG/L	1.70
31	63	446	14:52	18	0.918	A BB	8470.	50.000	UG/L	2.13
32	173	497	16:34	18	1.023	A BB	52855.	50.000	UG/L	2.13
33	117	635	21:10	33	1.000	A BB	183254.	50.000	UG/L	2.13
34	98	598	19:56	33	0.942	A BB	230103.	50.000	UG/L	2.13
35	95	754	25:08	33	1.187	A BB	139322.	50.000	UG/L	2.13
36	43	507	16:54	33	0.798	A BB	83868.	50.000	UG/L	2.13
37	43	556	18:32	33	0.876	A BB	71968.	50.000	UG/L	2.13
38	164	568	18:56	33	0.894	A BB	75749.	50.000	UG/L	2.13
39	83	569	18:58	33	0.896	A BB	118742.	50.000	UG/L	2.13
40	92	603	20:06	33	0.950	A BB	136502.	50.000	UG/L	2.13
41	112	639	21:18	33	1.006	A BB	168051.	50.000	UG/L	2.13
42	106	692	23:04	33	1.090	A BB	76900.	50.000	UG/L	2.13
43	104	785	26:10	33	1.236	A BB	141864.	50.000	UG/L	2.13
44	106	813	27:06	33	1.280	A BB	75436.	50.000	UG/L	2.13
45	146	897	29:54	33	1.413	A BB	105544.	50.000	UG/L	2.13
46	146	928	30:56	33	1.461	M XX	112148.	50.000	UG/L	2.13
47	146	933	31:06	33	1.469	M XX	116891.	50.000	UG/L	2.13

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	4:58	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	7:56	1.00	1.597	1.00	50.00	50.00	1.207	1.207	1.00
3	1:34	1.00	0.315	1.00	50.00	50.00	1.254	1.254	1.00
4	1:48	1.00	0.362	1.00	50.00	50.00	1.380	1.380	1.00
5	2:00	1.00	0.403	1.00	50.00	50.00	0.994	0.994	1.00
6	2:12	1.00	0.443	1.00	50.00	50.00	1.016	1.016	1.00
7	3:00	1.00	0.604	1.00	50.00	50.00	1.407	1.407	1.00

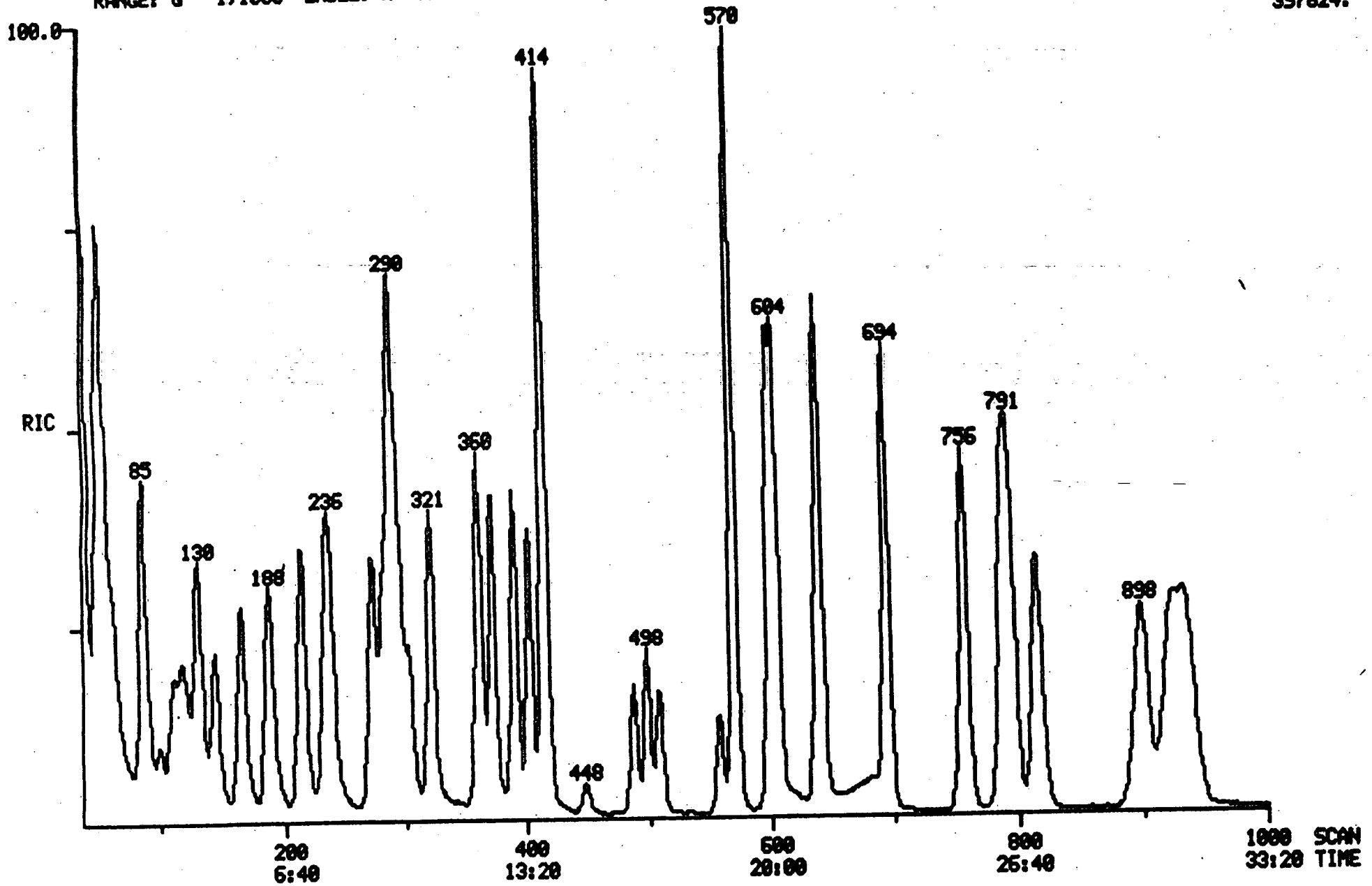
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
8	3:04	1.00	0.617	1.00	50.00	50.00	0.426	0.426	1.00
9	3:04	1.00	0.617	1.00	50.00	50.00	0.042	0.042	1.00
10	3:50	1.00	0.772	1.00	50.00	50.00	1.909	1.909	1.00
11	4:06	1.00	0.826	1.00	50.00	50.00	1.190	1.190	1.00
12	3:30	1.00	0.705	1.00	50.00	50.00	0.289	0.289	1.00
13	4:30	1.00	0.906	1.00	50.00	50.00	1.080	1.080	1.00
14	5:40	1.00	1.141	1.00	50.00	50.00	1.982	1.982	1.00
15	6:24	1.00	1.289	1.00	50.00	50.00	1.118	1.118	1.00
16	7:16	1.00	1.463	1.00	50.00	50.00	2.212	2.212	1.00
17	8:02	1.00	1.617	1.00	50.00	50.00	1.237	1.237	1.00
18	16:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
19	7:50	1.00	0.484	1.00	50.00	50.00	0.101	0.101	1.00
20	9:28	1.00	0.584	1.00	50.00	50.00	0.707	0.707	1.00
21	9:52	1.00	0.609	1.00	50.00	50.00	0.607	0.607	1.00
22	10:08	1.00	0.626	1.00	50.00	50.00	0.875	0.875	1.00
23	10:42	1.00	0.660	1.00	50.00	50.00	0.939	0.939	1.00
24	12:00	1.00	0.741	1.00	50.00	50.00	0.807	0.807	1.00
25	12:22	1.00	0.763	1.00	60.00	60.00	0.674	0.674	1.00
26	12:58	1.00	0.800	1.00	50.00	50.00	0.471	0.471	1.00
27	13:46	1.00	0.850	1.00	50.00	50.00	0.454	0.454	1.00
28	13:48	1.00	0.852	1.00	50.00	50.00	0.375	0.375	1.00
29	13:22	1.00	0.825	1.00	50.00	50.00	1.025	1.025	1.00
30	13:46	1.00	0.850	1.00	40.00	40.00	0.455	0.455	1.00
31	14:52	1.00	0.918	1.00	50.00	50.00	0.048	0.048	1.00
32	16:34	1.00	1.023	1.00	50.00	50.00	0.301	0.301	1.00
33	21:10	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
34	19:56	1.00	0.942	1.00	50.00	50.00	1.256	1.256	1.00
35	25:08	1.00	1.187	1.00	50.00	50.00	0.760	0.760	1.00
36	16:54	1.00	0.798	1.00	50.00	50.00	0.458	0.458	1.00
37	18:32	1.00	0.876	1.00	50.00	50.00	0.393	0.393	1.00
38	18:56	1.00	0.894	1.00	50.00	50.00	0.413	0.413	1.00
39	18:58	1.00	0.896	1.00	50.00	50.00	0.648	0.648	1.00
40	20:06	1.00	0.950	1.00	50.00	50.00	0.745	0.745	1.00
41	21:18	1.00	1.006	1.00	50.00	50.00	0.917	0.917	1.00
42	23:04	1.00	1.090	1.00	50.00	50.00	0.420	0.420	1.00
43	26:10	1.00	1.236	1.00	50.00	50.00	0.774	0.774	1.00
44	27:06	1.00	1.280	1.00	50.00	50.00	0.412	0.412	1.00
45	29:54	1.00	1.413	1.00	50.00	50.00	0.576	0.576	1.00
46	30:56	1.00	1.461	1.00	50.00	50.00	0.612	0.612	1.00
47	31:06	1.00	1.469	1.00	50.00	50.00	0.638	0.638	1.00

RIC
06/19/90 15:26:00
SAMPLE: VSTD100 100PPB STD
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: P061907 #1
CALI: P061907 #2

SCANS 35 TO 1000

397824.



Quantitation Report File: P061907

Data: P061907.TI
06/19/90 15:26:00
Sample: VSTD100 100PPB STD
Conds.: QC#1/1050P
Formula: P061901 Instrument: 1050P Weight: 0.003
Submitted by: P061901 Analyst: JT Acct. No.: 061990

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	IS1	BROMOCHLOROMETHANE
2	SS1	1,2-DICHLOROETHANE D4
3	45V	CHLOROMETHANE
4	46V	BROMOMETHANE
5	88V	VINYL CHLORIDE
6	16V	CHLOROETHANE
7	44V	METHYLENE CHLORIDE
8	13H	ACETONE
9	21H	ACROLEIN
10	15H	CARBON DISULFIDE
11	24H	TRICHLOROFLUOROMETHANE
12	22H	ACRYLONITRILE
13	29V	1,1-DICHLOROETHYLENE
14	13V	1,1-DICHLOROETHANE
15		1,2-DICHLOROETHENE (TOTAL)
16	23V	CHLOROFORM
17	10V	1,2-DICHLOROETHANE
18	IS2	1,4-DIFLUOROBENZENE
19	14H	2-BUTANONE
20	11V	1,1,1-TRICHLOROETHANE
21	6V	CARBON TETRACHLORIDE
22	19H	VINYL ACETATE
23	48V	BROMODICHLOROMETHANE
24	32V	1,2-DICHLOROPROPANE
25	33VC	CIS-1,3-DICHLOROPROPENE
26		TRICHLOROETHYLENE
27	51V	DIBROMOCHLOROMETHANE
28	14V	1,1,2-TRICHLOROETHANE
29	4V	BENZENE
30	33VT	TRANS-1,3-DICHLOROPROPENE
31	19V	2-CHLOROETHYL VINYL ETHER
32	47V	BROMOFORM
33	IS3	CHLOROBENZENE D5
34	SS2	TOLUENE D8
35	SS3	4-BROMOFLUOROBENZENE
36	17H	4-METHYL-2-PENTANONE
37	16H	2-HEXANONE
38	85V	TETRACHLOROETHYLENE
39	15V	1,1,2,2-TETRACHLOROETHANE
40	86V	TOLUENE
41	7V	CHLOROBENZENE
42	38V	ETHYLBENZENE
43	18H	STYRENE
44	20H	XYLENES (TOTAL)
45	26B	1,3-DICHLOROBENZENE
46	25B	1,2-DICHLOROBENZENE
47	27B	1,4-DICLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	144	4:48	1	1.000	A BB	82799.	50.000 UG/L	1.10
2	65	235	7:50	1	1.632	A BB	214386.	100.000 UG/L	2.20
3	50	42	1:24	1	0.292	A BV	88577.	100.000 UG/L	2.20
4	94	50	1:40	1	0.347	A BB	266442.	100.000 UG/L	2.20
5	62	55	1:50	1	0.382	A BB	198194.	100.000 UG/L	2.20
6	64	61	2:02	1	0.424	A BB	196949.	100.000 UG/L	2.20
7	84	85	2:50	1	0.590	A BB	242359.	100.000 UG/L	2.20
8	43	87	2:54	1	0.604	A BB	87341.	100.000 UG/L	2.20
9	56	88	2:56	1	0.611	A BB	8192.	100.000 UG/L	2.20
10	76	110	3:40	1	0.764	A BB	344306.	100.000 UG/L	2.20
11	101	118	3:56	1	0.819	A BB	206742.	100.000 UG/L	2.20
12	53	99	3:18	1	0.688	A BV	54066.	100.000 UG/L	2.20
13	96	130	4:20	1	0.903	A BB	195453.	100.000 UG/L	2.20
14	63	166	5:32	1	1.153	A BB	363526.	100.000 UG/L	2.20
15	96	188	6:16	1	1.306	A BB	204825.	100.000 UG/L	2.20
16	83	214	7:08	1	1.486	A BB	410583.	100.000 UG/L	2.20
17	62	239	7:58	1	1.660	A BB	232868.	100.000 UG/L	2.20
18	114	487	16:14	18	1.000	A BB	154634.	50.000 UG/L	1.10
19	72	232	7:44	18	0.476	A BB	32275.	100.000 UG/L	2.20
20	97	282	9:24	18	0.579	A BB	255346.	100.000 UG/L	2.20
21	117	295	9:50	18	0.606	A VB	228895.	100.000 UG/L	2.20
22	43	303	10:06	18	0.622	A VB	332333.	100.000 UG/L	2.20
23	83	321	10:42	18	0.659	A BB	348010.	100.000 UG/L	2.20
24	63	360	12:00	18	0.739	A BB	269780.	100.000 UG/L	2.20
25	75	371	12:22	18	0.762	A VB	315668.	120.000 UG/L	2.64
26	130	390	13:00	18	0.801	A BB	186172.	100.000 UG/L	2.20
27	129	413	13:46	18	0.848	A BB	221870.	100.000 UG/L	2.20
28	97	415	13:50	18	0.852	A BB	158331.	100.000 UG/L	2.20
29	78	402	13:24	18	0.825	A BB	360008.	100.000 UG/L	2.20
30	75	414	13:48	18	0.850	A VB	159974.	80.000 UG/L	1.76
31	63	448	14:56	18	0.920	A BB	17877.	100.000 UG/L	2.20
32	173	498	16:36	18	1.023	A BB	139693.	100.000 UG/L	2.20
33	117	637	21:14	33	1.000	A BB	176044.	50.000 UG/L	1.10
34	98	599	19:58	33	0.940	A BB	484425.	100.000 UG/L	2.20
35	95	756	25:12	33	1.187	A BB	282924.	100.000 UG/L	2.20
36	43	508	16:56	33	0.797	A BB	164444.	100.000 UG/L	2.20
37	43	558	18:36	33	0.876	A BB	135539.	100.000 UG/L	2.20
38	164	569	18:58	33	0.893	A BB	184421.	100.000 UG/L	2.20
39	83	570	19:00	33	0.895	A VB	288950.	100.000 UG/L	2.20
40	92	605	20:10	33	0.950	A BB	300176.	100.000 UG/L	2.20
41	112	640	21:20	33	1.005	A BB	364264.	100.000 UG/L	2.20
42	106	694	23:08	33	1.089	A BB	174143.	100.000 UG/L	2.20
43	104	787	26:14	33	1.235	A BB	325398.	100.000 UG/L	2.20
44	106	814	27:08	33	1.278	A VB	167923.	100.000 UG/L	2.20
45	146	898	29:56	33	1.410	A BB	239559.	100.000 UG/L	2.20
46	146	925	30:50	33	1.452	A BV	226360.	100.000 UG/L	2.20
47	146	933	31:06	33	1.465	A VB	255672.	100.000 UG/L	2.20

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	4:58	0.97	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	7:56	0.99	1.597	1.02	100.00	100.00	1.295	1.295	1.00
3	1:34	0.89	0.315	0.92	100.00	100.00	0.535	0.535	1.00
4	1:48	0.93	0.362	0.96	100.00	100.00	1.609	1.609	1.00
5	2:00	0.92	0.403	0.95	100.00	100.00	1.197	1.197	1.00
6	2:12	0.92	0.443	0.96	100.00	100.00	1.189	1.189	1.00
7	3:00	0.94	0.604	0.98	100.00	100.00	1.464	1.464	1.00

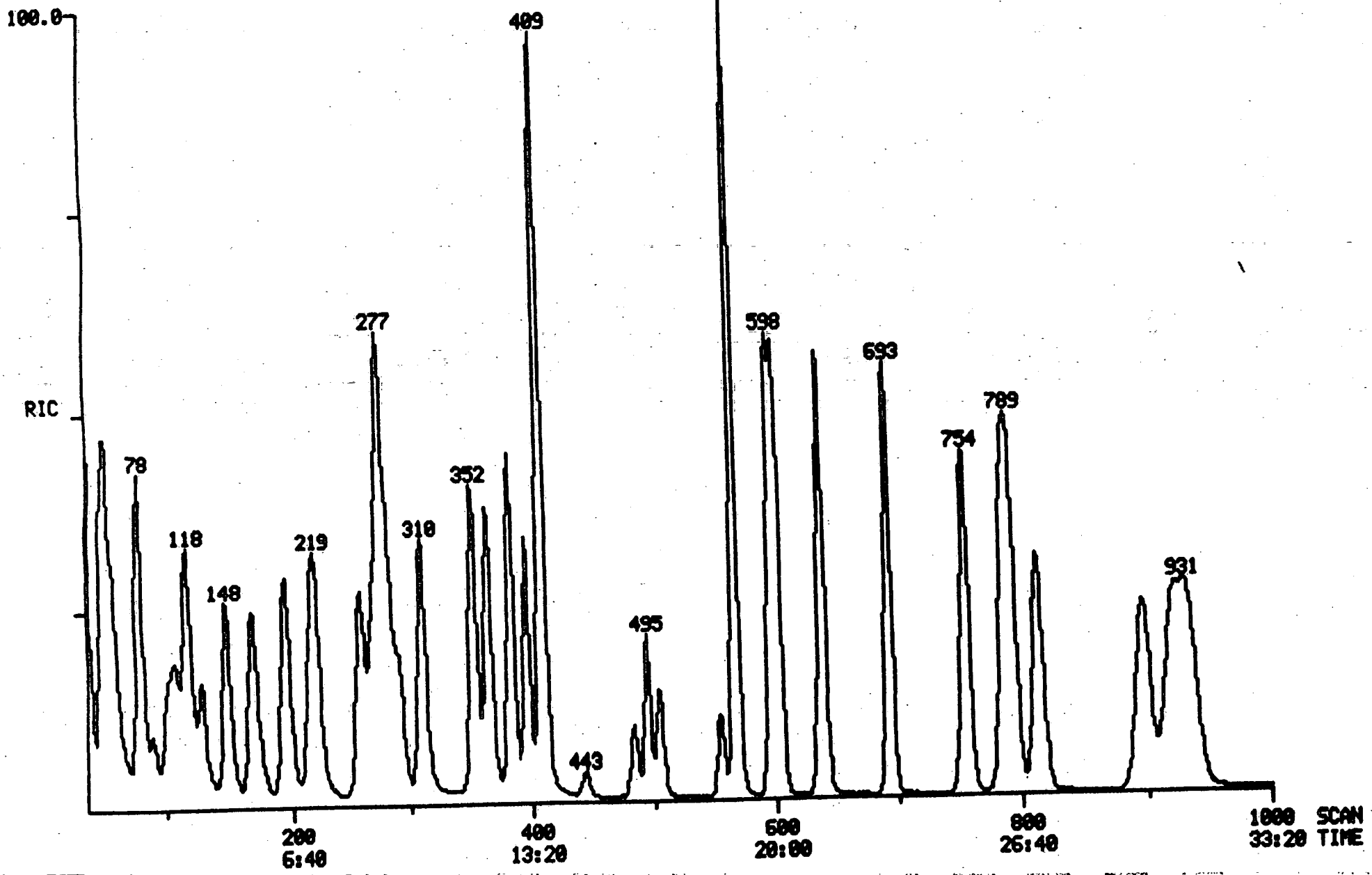
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
8	3:04	0.95	0.617	0.98	100.00	100.00	0.527	0.527	1.00
9	3:04	0.96	0.617	0.99	100.00	100.00	0.049	0.049	1.00
10	3:50	0.96	0.772	0.99	100.00	100.00	2.079	2.079	1.00
11	4:06	0.96	0.826	0.99	100.00	100.00	1.248	1.248	1.00
12	3:30	0.94	0.705	0.98	100.00	100.00	0.326	0.326	1.00
13	4:30	0.96	0.906	1.00	100.00	100.00	1.180	1.180	1.00
14	5:40	0.98	1.141	1.01	100.00	100.00	2.195	2.195	1.00
15	6:24	0.98	1.289	1.01	100.00	100.00	1.237	1.237	1.00
16	7:16	0.98	1.463	1.02	100.00	100.00	2.479	2.479	1.00
17	8:02	0.99	1.617	1.03	100.00	100.00	1.406	1.406	1.00
18	16:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
19	7:50	0.99	0.484	0.99	100.00	100.00	0.104	0.104	1.00
20	9:28	0.99	0.584	0.99	100.00	100.00	0.826	0.826	1.00
21	9:52	1.00	0.609	0.99	100.00	100.00	0.740	0.740	1.00
22	10:08	1.00	0.626	0.99	100.00	100.00	1.075	1.075	1.00
23	10:42	1.00	0.660	1.00	100.00	100.00	1.125	1.125	1.00
24	12:00	1.00	0.741	1.00	100.00	100.00	0.872	0.872	1.00
25	12:22	1.00	0.763	1.00	120.00	120.00	0.851	0.851	1.00
26	12:58	1.00	0.800	1.00	100.00	100.00	0.602	0.602	1.00
27	13:46	1.00	0.850	1.00	100.00	100.00	0.717	0.717	1.00
28	13:48	1.00	0.852	1.00	100.00	100.00	0.512	0.512	1.00
29	13:22	1.00	0.825	1.00	100.00	100.00	1.164	1.164	1.00
30	13:46	1.00	0.850	1.00	80.00	80.00	0.647	0.647	1.00
31	14:52	1.00	0.918	1.00	100.00	100.00	0.058	0.058	1.00
32	16:34	1.00	1.023	1.00	100.00	100.00	0.452	0.452	1.00
33	21:10	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
34	19:56	1.00	0.942	1.00	100.00	100.00	1.376	1.376	1.00
35	25:08	1.00	1.187	1.00	100.00	100.00	0.804	0.804	1.00
36	16:54	1.00	0.798	1.00	100.00	100.00	0.467	0.467	1.00
37	18:32	1.00	0.876	1.00	100.00	100.00	0.385	0.385	1.00
38	18:56	1.00	0.894	1.00	100.00	100.00	0.524	0.524	1.00
39	18:58	1.00	0.896	1.00	100.00	100.00	0.821	0.821	1.00
40	20:06	1.00	0.950	1.00	100.00	100.00	0.853	0.853	1.00
41	21:18	1.00	1.006	1.00	100.00	100.00	1.035	1.035	1.00
42	23:04	1.00	1.090	1.00	100.00	100.00	0.495	0.495	1.00
43	26:10	1.00	1.236	1.00	100.00	100.00	0.924	0.924	1.00
44	27:06	1.00	1.280	1.00	100.00	100.00	0.477	0.477	1.00
45	29:54	1.00	1.413	1.00	100.00	100.00	0.680	0.680	1.00
46	30:56	1.00	1.461	0.99	100.00	100.00	0.643	0.643	1.00
47	31:06	1.00	1.469	1.00	100.00	100.00	0.726	0.726	1.00

RIC
06/19/90 16:09:00
SAMPLE: VSTD150 150PPB STD
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: P061908 #1
CALI: P061908 #2

SCANS 35 TO 1000

702464.



Quantitation Report File: P061908

Data: P061908.TI
06/19/90 16:09:00
Sample: VSTD150 150PPB STD
Conds.: GC#1/1050P
Formula: P061901 Instrument: 1050P Weight: 0.003
Submitted by: P061901 Analyst: JT Acct. No.: 061990

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	IS1	BROMOCHLOROMETHANE
2	SS1	1,2-DICHLOROETHANE D4
3	45V	CHLOROMETHANE
4	46V	BROMOMETHANE
5	88V	VINYL CHLORIDE
6	16V	CHLOROETHANE
7	44V	METHYLENE CHLORIDE
8	13H	ACETONE
9	21H	ACROLEIN
10	15H	CARBON DISULFIDE
11	24H	TRICHLOROFLUOROMETHANE
12	22H	ACRYLONITRILE
13	29V	1,1-DICHLOROETHYLENE
14	13V	1,1-DICHLOROETHANE
15		1,2-DICHLOROETHENE (TOTAL)
16	23V	CHLOROFORM
17	10V	1,2-DICHLOROETHANE
18	IS2	1,4-DIFLUOROBENZENE
19	14H	2-BUTANONE
20	11V	1,1,1-TRICHLOROETHANE
21	6V	CARBON TETRACHLORIDE
22	19H	VINYL ACETATE
23	48V	BROMODICHLOROMETHANE
24	32V	1,2-DICHLOROPROPANE
25	33VC	CIS-1,3-DICHLOROPROPENE
26		TRICHLOROETHYLENE
27	51V	DIBROMOCHLOROMETHANE
28	14V	1,1,2-TRICHLOROETHANE
29	4V	BENZENE
30	33VT	TRANS-1,3-DICHLOROPROPENE
31	19V	2-CHLOROETHYL VINYL ETHER
32	47V	BROMOFORM
33	IS3	CHLOROBENZENE D5
34	SS2	TOLUENE D8
35	SS3	4-BROMOFLUOROBENZENE
36	17H	4-METHYL-2-PENTANONE
37	16H	2-HEXANONE
38	85V	TETRACHLOROETHYLENE
39	15V	1,1,2,2-TETRACHLOROETHANE
40	86V	TOLUENE
41	7V	CHLOROBENZENE
42	38V	ETHYLBENZENE
43	18H	STYRENE
44	20H	XYLENES (TOTAL)
45	26B	1,3-DICHLOROBENZENE
46	25B	1,2-DICHLOROBENZENE
47	27B	1,4-DICLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	129	4:18	1	1.000	A BB	82360.	50.000 UG/L	0.74
2	65	218	7:16	1	1.690	A BB	334663.	150.000 UG/L	2.22
3	50	41	1:22	1	0.318	A BV	38065.	150.000 UG/L	2.22
4	94	49	1:38	1	0.380	A BB	371015.	150.000 UG/L	2.22
5	62	53	1:46	1	0.411	A BB	345427.	150.000 UG/L	2.22
6	64	58	1:56	1	0.450	A BB	349289.	150.000 UG/L	2.22
7	84	78	2:36	1	0.605	A BB	399396.	150.000 UG/L	2.22
8	43	80	2:40	1	0.620	A BB	132675.	150.000 UG/L	2.22
9	56	80	2:40	1	0.620	A BB	12701.	150.000 UG/L	2.22
10	76	102	3:24	1	0.791	A BB	557370.	150.000 UG/L	2.22
11	101	108	3:36	1	0.837	A BB	297996.	150.000 UG/L	2.22
12	53	90	3:00	1	0.698	A VV	84353.	150.000 UG/L	2.22
13	96	118	3:56	1	0.915	A BB	304019.	150.000 UG/L	2.22
14	63	148	4:56	1	1.147	A BB	585012.	150.000 UG/L	2.22
15	96	169	5:38	1	1.310	A BB	316966.	150.000 UG/L	2.22
16	83	196	6:32	1	1.519	A BB	643065.	150.000 UG/L	2.22
17	62	222	7:24	1	1.721	A BB	359819.	150.000 UG/L	2.22
18	114	484	16:08	18	1.000	A BB	147541.	50.000 UG/L	0.74
19	72	215	7:10	18	0.444	A BB	47221.	150.000 UG/L	2.22
20	97	270	9:00	18	0.558	A BB	412117.	150.000 UG/L	2.22
21	117	283	9:26	18	0.585	A VB	377813.	150.000 UG/L	2.22
22	43	291	9:42	18	0.601	A VB	519496.	150.000 UG/L	2.22
23	83	310	10:20	18	0.640	A BB	554482.	150.000 UG/L	2.22
24	63	352	11:44	18	0.727	A BB	431697.	150.000 UG/L	2.22
25	75	364	12:08	18	0.752	A VB	523016.	180.000 UG/L	2.67
26	130	383	12:46	18	0.791	A BB	385273.	150.000 UG/L	2.22
27	129	408	13:36	18	0.843	A BB	414643.	150.000 UG/L	2.22
28	97	409	13:38	18	0.845	A BB	292810.	150.000 UG/L	2.22
29	78	396	13:12	18	0.818	A BB	603623.	150.000 UG/L	2.22
30	75	409	13:38	18	0.845	A VB	295316.	120.000 UG/L	1.78
31	63	443	14:46	18	0.915	A BB	30216.	150.000 UG/L	2.22
32	173	495	16:30	18	1.023	A BB	244138.	150.000 UG/L	2.22
33	117	636	21:12	33	1.000	A BB	184988.	50.000 UG/L	0.74
34	98	597	19:54	33	0.939	A BB	854194.	150.000 UG/L	2.22
35	95	754	25:08	33	1.186	A BB	480606.	150.000 UG/L	2.22
36	43	506	16:52	33	0.796	A BB	250983.	150.000 UG/L	2.22
37	43	555	18:30	33	0.873	A BB	199410.	150.000 UG/L	2.22
38	164	567	18:54	33	0.892	A BB	333270.	150.000 UG/L	2.22
39	83	568	18:56	33	0.893	A VB	517743.	150.000 UG/L	2.22
40	92	603	20:06	33	0.948	A BB	509492.	150.000 UG/L	2.22
41	112	639	21:18	33	1.005	A BB	614937.	150.000 UG/L	2.22
42	106	693	23:06	33	1.090	A BB	292336.	150.000 UG/L	2.22
43	104	786	26:12	33	1.236	A BB	569995.	150.000 UG/L	2.22
44	106	813	27:06	33	1.278	A VB	279365.	150.000 UG/L	2.22
45	146	897	29:54	33	1.410	A BB	403040.	150.000 UG/L	2.22
46	146	925	30:50	33	1.454	M XX	363281.	150.000 UG/L	2.22
47	146	932	31:04	33	1.465	M XX	484384.	150.000 UG/L	2.22

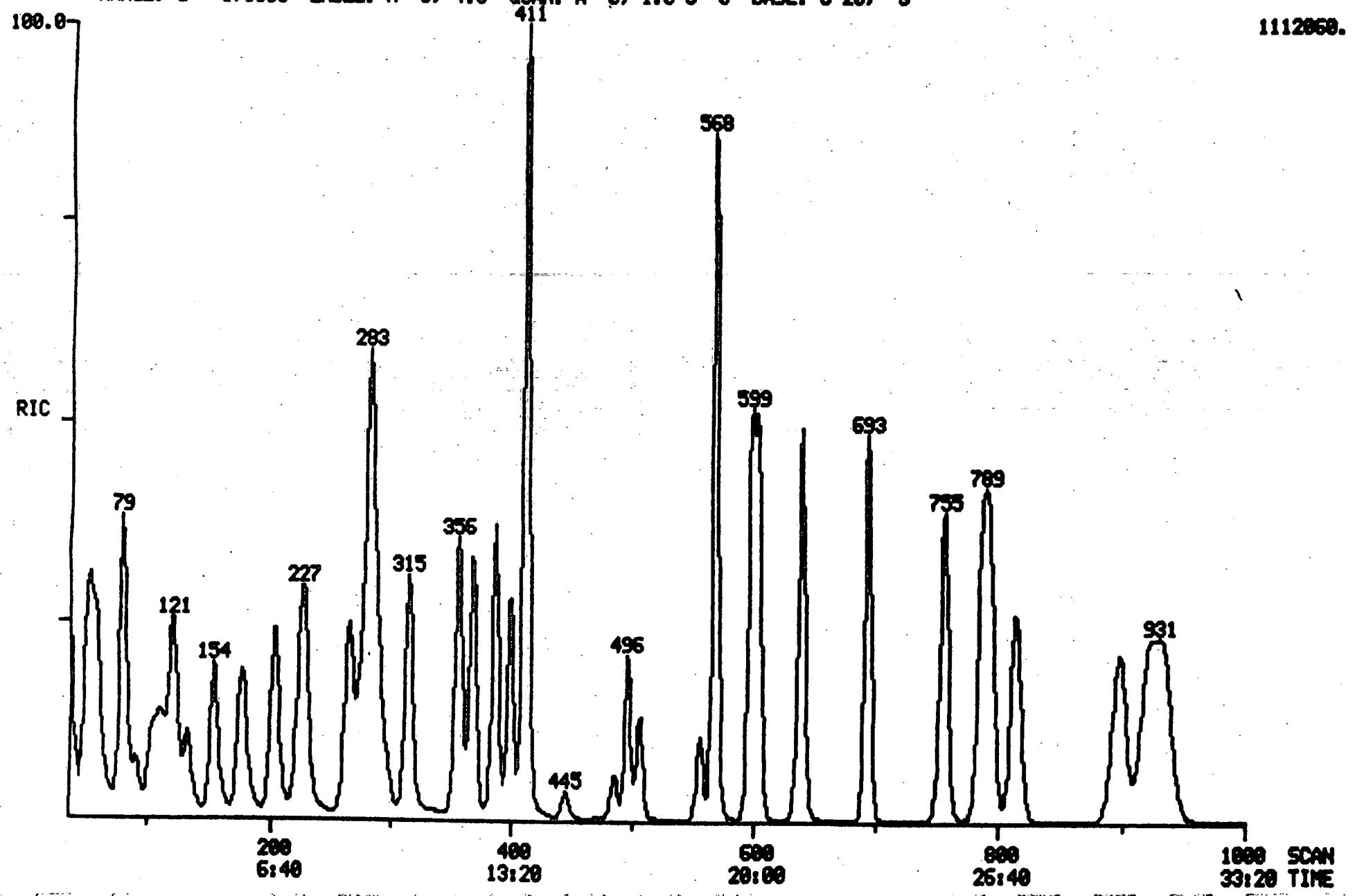
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	4:58	0.87	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	7:56	0.92	1.597	1.06	150.00	150.00	1.354	1.354	1.00
3	1:34	0.87	0.315	1.01	150.00	150.00	0.154	0.154	1.00
4	1:48	0.91	0.362	1.05	150.00	150.00	1.502	1.502	1.00
5	2:00	0.88	0.403	1.02	150.00	150.00	1.398	1.398	1.00
6	2:12	0.88	0.443	1.02	150.00	150.00	1.414	1.414	1.00
7	3:00	0.87	0.604	1.00	150.00	150.00	1.616	1.616	1.00

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
8	3:04	0.87	0.617	1.00	150.00	150.00	0.537	0.537	1.00
9	3:04	0.87	0.617	1.00	150.00	150.00	0.051	0.051	1.00
10	3:50	0.89	0.772	1.02	150.00	150.00	2.256	2.256	1.00
11	4:06	0.88	0.826	1.01	150.00	150.00	1.206	1.206	1.00
12	3:30	0.86	0.705	0.99	150.00	150.00	0.341	0.341	1.00
13	4:30	0.87	0.906	1.01	150.00	150.00	1.230	1.230	1.00
14	5:40	0.87	1.141	1.01	150.00	150.00	2.368	2.368	1.00
15	6:24	0.88	1.289	1.02	150.00	150.00	1.283	1.283	1.00
16	7:16	0.90	1.463	1.04	150.00	150.00	2.603	2.603	1.00
17	8:02	0.92	1.617	1.06	150.00	150.00	1.456	1.456	1.00
18	16:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
19	7:50	0.91	0.484	0.92	150.00	150.00	0.107	0.107	1.00
20	9:28	0.95	0.584	0.95	150.00	150.00	0.931	0.931	1.00
21	9:52	0.96	0.609	0.96	150.00	150.00	0.854	0.854	1.00
22	10:08	0.96	0.626	0.96	150.00	150.00	1.174	1.174	1.00
23	10:42	0.97	0.660	0.97	150.00	150.00	1.253	1.253	1.00
24	12:00	0.98	0.741	0.98	150.00	150.00	0.975	0.975	1.00
25	12:22	0.98	0.763	0.99	180.00	180.00	0.985	0.985	1.00
26	12:58	0.98	0.800	0.99	150.00	150.00	0.870	0.870	1.00
27	13:46	0.99	0.850	0.99	150.00	150.00	0.937	0.937	1.00
28	13:48	0.99	0.852	0.99	150.00	150.00	0.662	0.662	1.00
29	13:22	0.99	0.825	0.99	150.00	150.00	1.364	1.364	1.00
30	13:46	0.99	0.850	0.99	120.00	120.00	0.834	0.834	1.00
31	14:52	0.99	0.918	1.00	150.00	150.00	0.068	0.068	1.00
32	16:34	1.00	1.023	1.00	150.00	150.00	0.552	0.552	1.00
33	21:10	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
34	19:56	1.00	0.942	1.00	150.00	150.00	1.539	1.539	1.00
35	25:08	1.00	1.187	1.00	150.00	150.00	0.866	0.866	1.00
36	16:54	1.00	0.798	1.00	150.00	150.00	0.452	0.452	1.00
37	18:32	1.00	0.876	1.00	150.00	150.00	0.359	0.359	1.00
38	18:56	1.00	0.894	1.00	150.00	150.00	0.601	0.601	1.00
39	18:58	1.00	0.896	1.00	150.00	150.00	0.933	0.933	1.00
40	20:06	1.00	0.950	1.00	150.00	150.00	0.918	0.918	1.00
41	21:18	1.00	1.006	1.00	150.00	150.00	1.108	1.108	1.00
42	23:04	1.00	1.090	1.00	150.00	150.00	0.527	0.527	1.00
43	26:10	1.00	1.236	1.00	150.00	150.00	1.027	1.027	1.00
44	27:06	1.00	1.280	1.00	150.00	150.00	0.503	0.503	1.00
45	29:54	1.00	1.413	1.00	150.00	150.00	0.726	0.726	1.00
46	30:56	1.00	1.461	1.00	150.00	150.00	0.655	0.655	1.00
47	31:06	1.00	1.469	1.00	150.00	150.00	0.873	0.873	1.00

RIC
06/19/90 13:53:00
SAMPLE: VSTD200 200PPB STD
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: P061905 #1
CALI: P061905 #2

SCANS 35 TO 1000



Quantitation Report File: P061905

Data: P061905.TI
06/19/90 13:53:00
Sample: VSTD200 200PPB STD
Conds.: GC#1/1050P
Formula: P061902 Instrument: 1050P Weight: 0.003
Submitted by: P061901 Analyst: CAB Acct. No.: 061990

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	IS1	BROMOCHLOROMETHANE
2	SS1	1,2-DICHLOROETHANE D4
3	45V	CHLOROMETHANE
4	46V	BROMOMETHANE
5	88V	VINYL CHLORIDE
6	16V	CHLOROETHANE
7	44V	METHYLENE CHLORIDE
8	13H	ACETONE
9	21H	ACROLEIN
10	15H	CARBON DISULFIDE
11	24H	TRICHLOROFLUOROMETHANE
12	22H	ACRYLONITRILE
13	29V	1,1-DICHLOROETHYLENE
14	13V	1,1-DICHLOROETHANE
15		1,2-DICHLOROETHENE (TOTAL)
16	23V	CHLOROFORM
17	10V	1,2-DICHLOROETHANE
18	IS2	1,4-DIFLUOROBENZENE
19	14H	2-BUTANONE
20	11V	1,1,1-TRICHLOROETHANE
21	6V	CARBON TETRACHLORIDE
22	19H	VINYL ACETATE
23	48V	BROMODICHLOROMETHANE
24	32V	1,2-DICHLOROPROPANE
25	33VC	CIS-1,3-DICHLOROPROPENE
26		TRICHLOROETHYLENE
27	51V	DIBROMOCHLOROMETHANE
28	14V	1,1,2-TRICHLOROETHANE
29	4V	BENZENE
30	33VT	TRANS-1,3-DICHLOROPROPENE
31	19V	2-CHLOROETHYL VINYL ETHER
32	47V	BROMOFORM
33	IS3	CHLOROBENZENE D5
34	SS2	TOLUENE D8
35	SS3	4-BROMOFLUOROBENZENE
36	17H	4-METHYL-2-PENTANONE
37	16H	2-HEXANONE
38	85V	TETRACHLOROETHYLENE
39	15V	1,1,2,2-TETRACHLOROETHANE
40	86V	TOLUENE
41	7V	CHLOROBENZENE
42	38V	ETHYLBENZENE
43	18H	STYRENE
44	20H	XYLENES (TOTAL)
45	26B	1,3-DICHLOROBENZENE
46	25B	1,2-DICHLOROBENZENE
47	27B	1,4-DICLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	133	4:26	1	1.000	A BB	93308.	50.000 UG/L	0.56
2	65	225	7:30	1	1.692	A BB	464843.	200.000 UG/L	2.23
3	50	41	1:22	1	0.308	M XX	101647.	200.000 UG/L	2.23
4	94	49	1:38	1	0.368	A BB	430861.	200.000 UG/L	2.23
5	62	54	1:48	1	0.406	A BB	456352.	200.000 UG/L	2.23
6	64	58	1:56	1	0.436	A BB	514938.	200.000 UG/L	2.23
7	84	78	2:36	1	0.586	A BB	588756.	200.000 UG/L	2.23
8	43	80	2:40	1	0.602	A BB	225304.	200.000 UG/L	2.23
9	56	81	2:42	1	0.609	A BV	17191.	200.000 UG/L	2.23
10	76	104	3:28	1	0.782	A BB	735032.	200.000 UG/L	2.23
11	101	110	3:40	1	0.827	A BB	375684.	200.000 UG/L	2.23
12	53	91	3:02	1	0.684	A BB	124589.	200.000 UG/L	2.23
13	96	121	4:02	1	0.910	A BB	395567.	200.000 UG/L	2.23
14	63	154	5:08	1	1.158	A BB	773337.	200.000 UG/L	2.23
15	96	177	5:54	1	1.331	A BB	416552.	200.000 UG/L	2.23
16	83	203	6:46	1	1.526	A BB	853951.	200.000 UG/L	2.23
17	62	229	7:38	1	1.722	A BB	515488.	200.000 UG/L	2.23
18	114	485	16:10	18	1.000	A BB	142617.	50.000 UG/L	0.56
19	72	222	7:24	18	0.458	A BB	68907.	200.000 UG/L	2.23
20	97	276	9:12	18	0.569	A BB	547485.	200.000 UG/L	2.23
21	117	289	9:38	18	0.596	A VB	489374.	200.000 UG/L	2.23
22	43	297	9:54	18	0.612	A VB	222692.	200.000 UG/L	2.23
23	83	315	10:30	18	0.649	A BB	790264.	200.000 UG/L	2.23
24	63	356	11:52	18	0.734	A BB	589058.	200.000 UG/L	2.23
25	75	367	12:14	18	0.757	A VB	746783.	240.000 UG/L	2.68
26	130	386	12:52	18	0.796	A BB	460106.	200.000 UG/L	2.23
27	129	410	13:40	18	0.845	A BB	677863.	200.000 UG/L	2.23
28	97	412	13:44	18	0.849	A BB	477089.	200.000 UG/L	2.23
29	78	399	13:18	18	0.823	A BB	793468.	200.000 UG/L	2.23
30	75	411	13:42	18	0.847	A VB	475495.	160.000 UG/L	1.79
31	63	445	14:50	18	0.918	A BB	48964.	200.000 UG/L	2.23
32	173	496	16:32	18	1.023	A BB	386540.	200.000 UG/L	2.23
33	117	636	21:12	33	1.000	A BB	196212.	50.000 UG/L	0.56
34	98	598	19:56	33	0.940	A BB	1205030.	200.000 UG/L	2.23
35	95	755	25:10	33	1.187	A BB	677096.	200.000 UG/L	2.23
36	43	507	16:54	33	0.797	A BB	373205.	200.000 UG/L	2.23
37	43	556	18:32	33	0.874	A BB	311980.	200.000 UG/L	2.23
38	164	568	18:56	33	0.893	A BB	454134.	200.000 UG/L	2.23
39	83	569	18:58	33	0.895	A BB	692372.	200.000 UG/L	2.23
40	92	604	20:08	33	0.950	A BB	707751.	200.000 UG/L	2.23
41	112	639	21:18	33	1.005	A BB	873434.	200.000 UG/L	2.23
42	106	693	23:06	33	1.090	A BB	402940.	200.000 UG/L	2.23
43	104	786	26:12	33	1.236	A BB	826617.	200.000 UG/L	2.23
44	106	813	27:06	33	1.278	A VB	378072.	200.000 UG/L	2.23
45	146	897	29:54	33	1.410	A BB	563584.	200.000 UG/L	2.23
46	146	923	30:46	33	1.451	A BV	529696.	200.000 UG/L	2.23
47	146	931	31:02	33	1.464	A VB	640272.	200.000 UG/L	2.23

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	4:58	0.89	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	7:56	0.95	1.597	1.06	200.00	200.00	1.245	1.245	1.00
3	1:34	0.87	0.315	0.98	200.00	200.00	0.272	0.272	1.00
4	1:48	0.91	0.362	1.02	200.00	200.00	1.154	1.154	1.00
5	2:00	0.90	0.403	1.01	200.00	200.00	1.223	1.223	1.00
6	2:12	0.88	0.443	0.98	200.00	200.00	1.380	1.380	1.00
7	3:00	0.87	0.604	0.97	200.00	200.00	1.577	1.577	1.00

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
8	3:04	0.87	0.617	0.97	200.00	200.00	0.604	0.604	1.00
9	3:04	0.88	0.617	0.99	200.00	200.00	0.046	0.046	1.00
10	3:50	0.90	0.772	1.01	200.00	200.00	1.969	1.969	1.00
11	4:06	0.89	0.826	1.00	200.00	200.00	1.007	1.007	1.00
12	3:30	0.87	0.705	0.97	200.00	200.00	0.334	0.334	1.00
13	4:30	0.90	0.906	1.00	200.00	200.00	1.060	1.060	1.00
14	5:40	0.91	1.141	1.01	200.00	200.00	2.072	2.072	1.00
15	6:24	0.92	1.289	1.03	200.00	200.00	1.116	1.116	1.00
16	7:16	0.93	1.463	1.04	200.00	200.00	2.288	2.288	1.00
17	8:02	0.95	1.617	1.06	200.00	200.00	1.381	1.381	1.00
18	16:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
19	7:50	0.94	0.484	0.95	200.00	200.00	0.121	0.121	1.00
20	9:28	0.97	0.584	0.97	200.00	200.00	0.960	0.960	1.00
21	9:52	0.98	0.609	0.98	200.00	200.00	0.858	0.858	1.00
22	10:08	0.98	0.626	0.98	200.00	200.00	0.390	0.390	1.00
23	10:42	0.98	0.660	0.98	200.00	200.00	1.385	1.385	1.00
24	12:00	0.99	0.741	0.99	200.00	200.00	1.033	1.033	1.00
25	12:22	0.99	0.763	0.99	240.00	240.00	1.091	1.091	1.00
26	12:58	0.99	0.800	0.99	200.00	200.00	0.807	0.807	1.00
27	13:46	0.99	0.850	0.99	200.00	200.00	1.188	1.188	1.00
28	13:48	1.00	0.852	1.00	200.00	200.00	0.836	0.836	1.00
29	13:22	1.00	0.825	1.00	200.00	200.00	1.391	1.391	1.00
30	13:46	1.00	0.850	1.00	160.00	160.00	1.042	1.042	1.00
31	14:52	1.00	0.918	1.00	200.00	200.00	0.086	0.086	1.00
32	16:34	1.00	1.023	1.00	200.00	200.00	0.678	0.678	1.00
33	21:10	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
34	19:56	1.00	0.942	1.00	200.00	200.00	1.535	1.535	1.00
35	25:08	1.00	1.187	1.00	200.00	200.00	0.863	0.863	1.00
36	16:54	1.00	0.798	1.00	200.00	200.00	0.476	0.476	1.00
37	18:32	1.00	0.876	1.00	200.00	200.00	0.398	0.398	1.00
38	18:56	1.00	0.894	1.00	200.00	200.00	0.579	0.579	1.00
39	18:58	1.00	0.896	1.00	200.00	200.00	0.882	0.882	1.00
40	20:06	1.00	0.950	1.00	200.00	200.00	0.902	0.902	1.00
41	21:18	1.00	1.006	1.00	200.00	200.00	1.113	1.113	1.00
42	23:04	1.00	1.090	1.00	200.00	200.00	0.513	0.513	1.00
43	26:10	1.00	1.236	1.00	200.00	200.00	1.053	1.053	1.00
44	27:06	1.00	1.280	1.00	200.00	200.00	0.482	0.482	1.00
45	29:54	1.00	1.413	1.00	200.00	200.00	0.718	0.718	1.00
46	30:56	0.99	1.461	0.99	200.00	200.00	0.675	0.675	1.00
47	31:06	1.00	1.469	1.00	200.00	200.00	0.816	0.816	1.00

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Roy F. Weston, Inc. Contract: 3600-04-51-0000

Case No.: WSI-LE CARPENTER RFW Lot: 9006L734

Instrument ID: 1050P Calibration Date: 06/19/90 Time: 1828

Lab File ID: P061911 Init. Calib. Date(s): 06/19/90 06/19/90

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

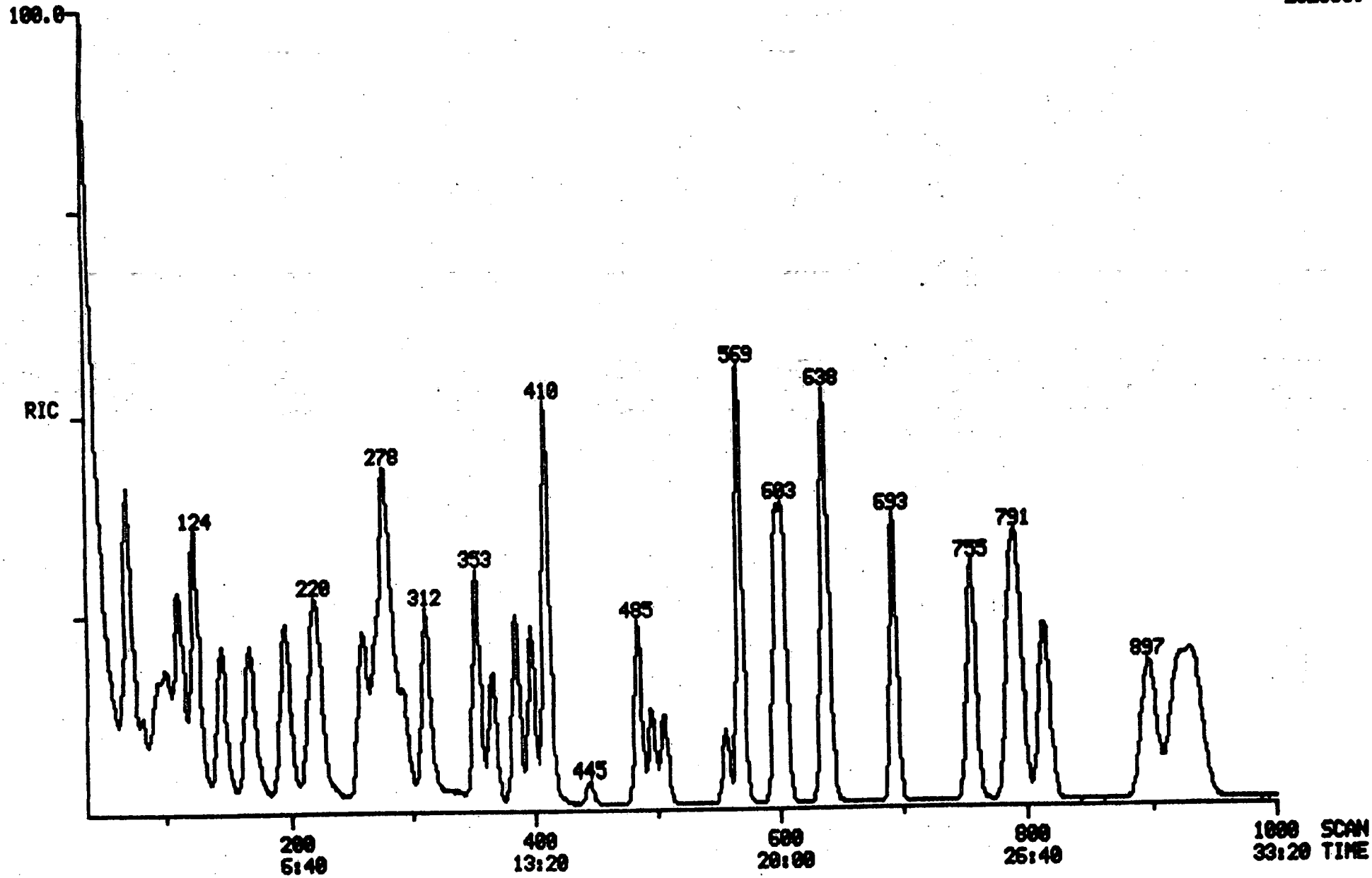
Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform Max %D for CCC(*) = 25.0%

COMPOUND		RRF	RRF50	%D	
Chloromethane	#	0.626	0.708	-13.1	#
Bromomethane		1.412	1.450	-2.7	
Vinyl Chloride	*	1.167	1.046	10.4	*
Chloroethane		1.224	1.039	15.1	
Methylene Chloride		1.552	1.533	1.2	
1,1-Dichloroethene	*	1.157	1.094	5.4	*
1,1-Dichloroethane	#	2.158	2.109	2.3	#
1,2-Dichloroethene (total)		1.207	1.190	1.4	
Chloroform	*	2.385	2.300	3.6	*
1,2-Dichloroethane		1.372	1.333	2.8	
1,1,1-Trichloroethane		0.850	0.775	8.8	
Carbon Tetrachloride		0.748	0.653	12.7	
Bromodichloromethane		1.147	0.987	13.9	
1,2-Dichloropropane	*	0.917	0.745	18.8	*
cis-1,3-Dichloropropene		0.877	0.565	35.6	
Trichloroethene		0.668	0.482	27.8	
Dibromochloromethane		0.748	0.520	30.5	
1,1,2-Trichloroethane		0.561	0.349	37.8	
Benzene		1.201	1.045	13.0	
Trans-1,3-Dichloropropene		0.692	0.421	39.2	
Bromoform	#	0.461	0.366	20.6	#
Tetrachloroethene		0.512	0.471	8.0	
1,1,2,2-Tetrachloroethane	#	0.799	0.716	10.4	#
Toluene	*	0.848	0.818	3.5	*
Chlorobenzene	#	1.050	1.022	2.7	#
Ethylbenzene	*	0.489	0.483	1.2	*
1,2-Dichlorobenzene		0.648	1.000	-54.3	
1,3-Dichlorobenzene		0.682	0.664	2.6	
Toluene-d8		1.412	1.309	7.3	
Bromofluorobenzene		0.846	0.816	3.5	
1,2-Dichloroethane-d4		1.289	1.220	5.4	

RIC
06/19/90 18:28:00
SAMPLE: VSTD50 50PPB STD
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: P061911 #1
CALI: P061911 #2

SCANS 35 TO 1000



Quantitation Report File: P061911

Data: P061911.TI
06/19/90 18:28:00
Sample: VSTD50 50PPB STD
Conds.: QC#1/1050P
Formula: P061910 Instrument: 1050P Weight: 0.003
Submitted by: P061910 Analyst: JT Acct. No.: 061990

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	IS1	BROMOCHLOROMETHANE
2	SS1	1,2-DICHLOROETHANE D4
3	45V	CHLOROMETHANE
4	46V	BROMOMETHANE
5	88V	VINYL CHLORIDE
6	16V	CHLOROETHANE
7	44V	METHYLENE CHLORIDE
8	13H	ACETONE
9	15H	CARBON DISULFIDE
10	29V	1,1-DICHLOROETHYLENE
11	13V	1,1-DICHLOROETHANE
12		1,2-DICHLOROETHENE (TOTAL)
13	23V	CHLOROFORM
14	10V	1,2-DICHLOROETHANE
15	IS2	1,4-DIFLUOROBENZENE
16	14H	2-BUTANONE
17	11V	1,1,1-TRICHLOROETHANE
18	6V	CARBON TETRACHLORIDE
19	19H	VINYL ACETATE
20	48V	BROMODICHLOROMETHANE
21	32V	1,2-DICHLOROPROPANE
22	33VC	CIS-1,3-DICHLOROPROPENE
23		TRICHLOROETHYLENE
24	51V	DIBROMOCHLOROMETHANE
25	14V	1,1,2-TRICHLOROETHANE
26	4V	BENZENE
27	33VT	TRANS-1,3-DICHLOROPROPENE
28	19V	2-CHLOROETHYL VINYL ETHER
29	47V	BROMOFORM
30	IS3	CHLOROBENZENE D5
31	SS2	TOLUENE D8
32	SS3	4-BROMOFLUOROBENZENE
33	17H	4-METHYL-2-PENTANONE
34	16H	2-HEXANONE
35	85V	TETRACHLOROETHYLENE
36	15V	1,1,2,2-TETRACHLOROETHANE
37	86V	TOLUENE
38	7V	CHLOROBENZENE
39	38V	ETHYLBENZENE
40	18H	STYRENE
41	20H	XYLENES (TOTAL)
42	26B	1,3-DICHLOROBENZENE
43	25B	1,2-DICHLOROBENZENE
44	27B	1,4-DICLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	124	4:08	1	1.000	A BB	83501.	50.000	UG/L	2.26
2	65	219	7:18	1	1.766	A BB	101846.	50.000	UG/L	2.26
3	50	32	1:04	1	0.258	A BV	59092.	50.000	UG/L	2.26
4	94	37	1:14	1	0.298	A BB	121036.	50.000	UG/L	2.26
5	62	42	1:24	1	0.339	A BB	87321.	50.000	UG/L	2.26
6	64	48	1:36	1	0.387	A BB	86729.	50.000	UG/L	2.26
7	84	69	2:18	1	0.556	A BB	127974.	50.000	UG/L	2.26
8	43	70	2:20	1	0.565	A BB	46191.	50.000	UG/L	2.26
9	76	93	3:06	1	0.750	A BB	155844.	50.000	UG/L	2.26
10	96	110	3:40	1	0.887	A BB	91371.	50.000	UG/L	2.26
11	63	145	4:50	1	1.169	A BB	176110.	50.000	UG/L	2.26
12	96	167	5:34	1	1.347	A BB	99377.	50.000	UG/L	2.26
13	83	196	6:32	1	1.581	A BB	192062.	50.000	UG/L	2.26
14	62	223	7:26	1	1.798	A BB	111296.	50.000	UG/L	2.26
15	114	485	16:10	15	1.000	A BB	150364.	50.000	UG/L	2.26
16	72	216	7:12	15	0.445	A BB	16880.	50.000	UG/L	2.26
17	97	270	9:00	15	0.557	A BB	116562.	50.000	UG/L	2.26
18	117	284	9:28	15	0.586	A VB	98240.	50.000	UG/L	2.26
19	43	294	9:48	15	0.606	A VB	167182.	50.000	UG/L	2.26
20	83	312	10:24	15	0.643	A BB	148375.	50.000	UG/L	2.26
21	63	353	11:46	15	0.728	A BB	112076.	50.000	UG/L	2.26
22	75	366	12:12	15	0.755	A VB	84947.	50.000	UG/L	2.26
23	130	385	12:50	15	0.794	A BB	72513.	50.000	UG/L	2.26
24	129	410	13:40	15	0.845	A BB	78210.	50.000	UG/L	2.26
25	97	411	13:42	15	0.847	A BB	62938.	60.000	UG/L	2.71
26	78	397	13:14	15	0.819	A BB	157073.	50.000	UG/L	2.26
27	75	410	13:40	15	0.845	A VV	63361.	50.000	UG/L	2.26
28	63	445	14:50	15	0.918	A BB	10191.	50.000	UG/L	2.26
29	173	496	16:32	15	1.023	A BB	55009.	50.000	UG/L	2.26
30	117	636	21:12	30	1.000	A BB	157004.	50.000	UG/L	2.26
31	98	598	19:56	30	0.940	A BB	205466.	50.000	UG/L	2.26
32	95	755	25:10	30	1.187	A BB	128115.	50.000	UG/L	2.26
33	43	506	16:52	30	0.796	A BB	80073.	50.000	UG/L	2.26
34	43	556	18:32	30	0.874	A BB	68285.	50.000	UG/L	2.26
35	164	568	18:56	30	0.893	A BB	73903.	50.000	UG/L	2.26
36	83	569	18:58	30	0.895	A BB	112452.	50.000	UG/L	2.26
37	92	604	20:08	30	0.950	A BB	128436.	50.000	UG/L	2.26
38	112	639	21:18	30	1.005	A BB	160454.	50.000	UG/L	2.26
39	106	693	23:06	30	1.090	A BB	75833.	50.000	UG/L	2.26
40	104	786	26:12	30	1.236	A BB	136522.	50.000	UG/L	2.26
41	106	814	27:08	30	1.280	A BB	75063.	50.000	UG/L	2.26
42	146	897	29:54	30	1.410	A BB	104316.	50.000	UG/L	2.26
43	146	924	30:48	30	1.453	M XX	156946.	50.000	UG/L	2.26
44	146	931	31:02	30	1.464	M XX	176444.	50.000	UG/L	2.26

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	4:58	0.83	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	7:56	0.92	1.597	1.11	50.00	50.00	1.220	1.220	1.00
3	1:34	0.68	0.315	0.82	50.00	50.00	0.708	0.708	1.00
4	1:48	0.69	0.362	0.82	50.00	50.00	1.450	1.450	1.00
5	2:00	0.70	0.403	0.84	50.00	50.00	1.046	1.046	1.00
6	2:12	0.73	0.443	0.87	50.00	50.00	1.039	1.039	1.00
7	3:00	0.77	0.604	0.92	50.00	50.00	1.533	1.533	1.00
8	3:04	0.76	0.617	0.91	50.00	50.00	0.553	0.553	1.00
9	3:50	0.81	0.772	0.97	50.00	50.00	1.866	1.866	1.00
10	4:30	0.81	0.906	0.98	50.00	50.00	1.094	1.094	1.00

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	5:40	0.85	1.141	1.02	50.00	50.00	2.109	2.109	1.00
12	6:24	0.87	1.289	1.05	50.00	50.00	1.190	1.190	1.00
13	7:16	0.90	1.463	1.08	50.00	50.00	2.300	2.300	1.00
14	8:02	0.93	1.617	1.11	50.00	50.00	1.333	1.333	1.00
15	16:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
16	7:50	0.92	0.484	0.92	50.00	50.00	0.112	0.112	1.00
17	9:28	0.95	0.584	0.95	50.00	50.00	0.775	0.775	1.00
18	9:52	0.96	0.609	0.96	50.00	50.00	0.653	0.653	1.00
19	10:08	0.97	0.626	0.97	50.00	50.00	1.112	1.112	1.00
20	10:42	0.97	0.660	0.97	50.00	50.00	0.987	0.987	1.00
21	12:00	0.98	0.741	0.98	50.00	50.00	0.745	0.745	1.00
22	12:22	0.99	0.763	0.99	50.00	50.00	0.565	0.565	1.00
23	12:58	0.99	0.800	0.99	50.00	50.00	0.482	0.482	1.00
24	13:46	0.99	0.850	0.99	50.00	50.00	0.520	0.520	1.00
25	13:48	0.99	0.852	0.99	60.00	60.00	0.349	0.349	1.00
26	13:22	0.99	0.825	0.99	50.00	50.00	1.045	1.045	1.00
27	13:46	0.99	0.850	0.99	50.00	50.00	0.421	0.421	1.00
28	14:52	1.00	0.918	1.00	50.00	50.00	0.068	0.068	1.00
29	16:34	1.00	1.023	1.00	50.00	50.00	0.366	0.366	1.00
30	21:10	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
31	19:56	1.00	0.942	1.00	50.00	50.00	1.309	1.309	1.00
32	25:08	1.00	1.187	1.00	50.00	50.00	0.816	0.816	1.00
33	16:54	1.00	0.798	1.00	50.00	50.00	0.510	0.510	1.00
34	18:32	1.00	0.876	1.00	50.00	50.00	0.435	0.435	1.00
35	18:56	1.00	0.894	1.00	50.00	50.00	0.471	0.471	1.00
36	18:58	1.00	0.896	1.00	50.00	50.00	0.716	0.716	1.00
37	20:06	1.00	0.950	1.00	50.00	50.00	0.818	0.818	1.00
38	21:18	1.00	1.006	1.00	50.00	50.00	1.022	1.022	1.00
39	23:04	1.00	1.090	1.00	50.00	50.00	0.483	0.483	1.00
40	26:10	1.00	1.236	1.00	50.00	50.00	0.870	0.870	1.00
41	27:06	1.00	1.280	1.00	50.00	50.00	0.478	0.478	1.00
42	29:54	1.00	1.413	1.00	50.00	50.00	0.664	0.664	1.00
43	30:56	1.00	1.461	0.99	50.00	50.00	1.000	1.000	1.00
44	31:06	1.00	1.469	1.00	50.00	50.00	1.124	1.124	1.00

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Roy F. Weston, Inc. Contract: 3600-04-51-0000

Case No.: WSI-LE CARPENTER RFW Lot: 9006L734

Instrument ID: 1050P Calibration Date: 06/20/90 Time: 0729

Lab File ID: P062002 Init. Calib. Date(s): 06/19/90 06/19/90

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

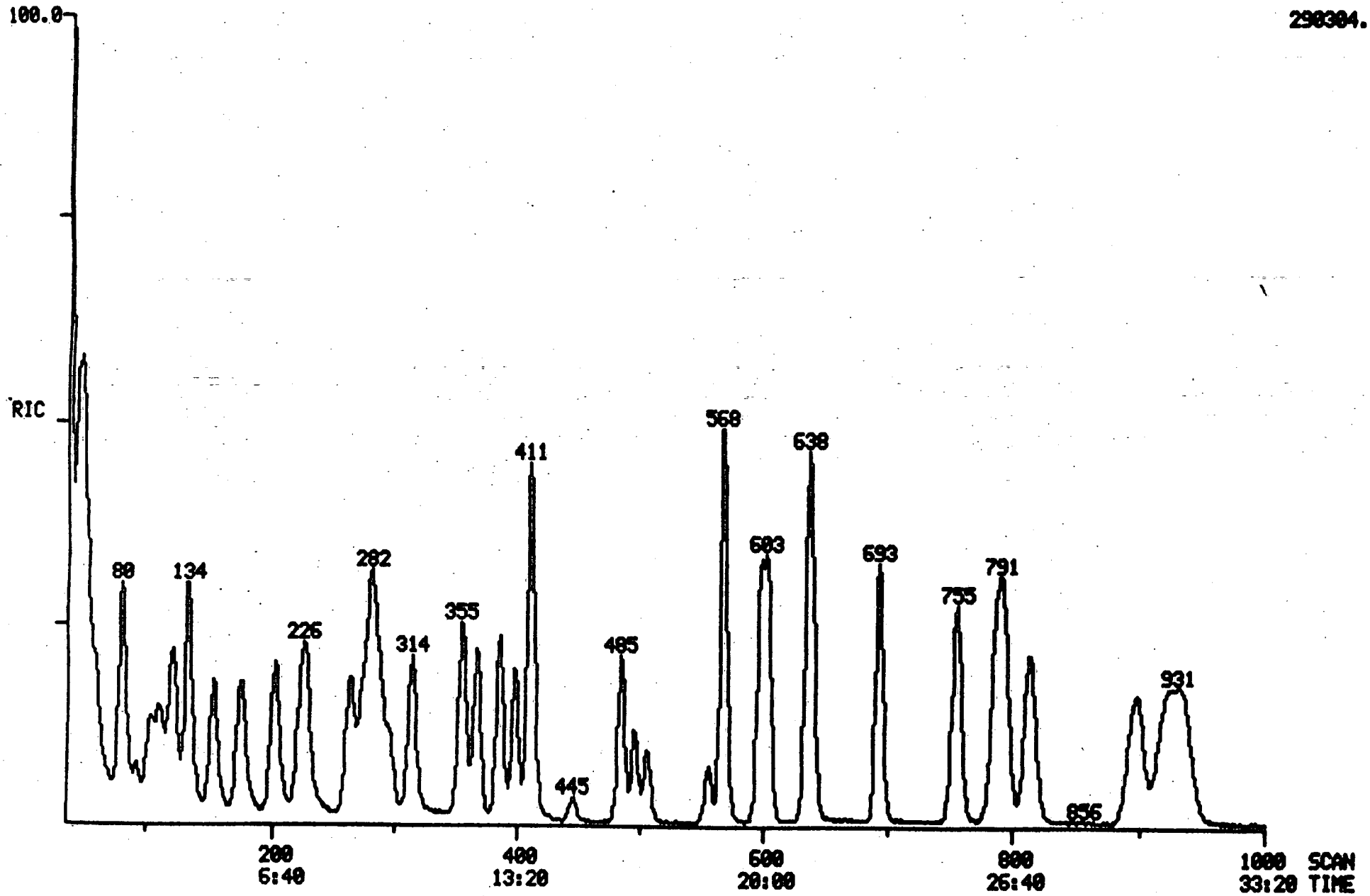
Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform Max %D for CCC(*) = 25.0%

COMPOUND		$\overline{RRF}$	RRF50	%D	
Chloromethane	#	0.626	0.843	-34.7	#
Bromomethane		1.412	1.521	-7.7	
Vinyl Chloride	*	1.167	0.976	16.4	*
Chloroethane		1.224	1.044	14.7	
Methylene Chloride		1.552	1.389	10.5	
1,1-Dichloroethene	*	1.157	0.995	14.0	*
1,1-Dichloroethane	#	2.158	1.824	15.5	#
1,2-Dichloroethene (total)		1.207	1.045	13.4	
Chloroform	*	2.385	2.021	15.3	*
1,2-Dichloroethane		1.372	1.173	14.5	
1,1,1-Trichloroethane		0.850	0.748	12.0	
Carbon Tetrachloride		0.748	0.635	15.1	
Bromodichloromethane		1.147	0.878	23.5	
1,2-Dichloropropane	*	0.917	0.690	24.8	*
cis-1,3-Dichloropropene		0.877	0.731	16.6	
Trichloroethene		0.668	0.526	21.3	
Dibromochloromethane		0.748	0.549	26.6	
1,1,2-Trichloroethane		0.561	0.345	38.5	
Benzene		1.201	0.984	18.1	
Trans-1,3-Dichloropropene		0.692	0.346	50.0	
Bromoform	#	0.461	0.390	15.4	#
Tetrachloroethene		0.512	0.495	3.3	
1,1,2,2-Tetrachloroethane	#	0.799	0.616	22.9	#
Toluene	*	0.848	0.777	8.4	*
Chlorobenzene	#	1.050	1.026	2.3	#
Ethylbenzene	*	0.489	0.486	0.6	*
1,2-Dichlorobenzene		0.648	0.462	28.7	
1,3-Dichlorobenzene		0.682	0.693	-1.6	
Toluene-d8		1.412	1.251	11.4	
Bromofluorobenzene		0.846	0.781	7.7	
1,2-Dichloroethane-d4		1.289	1.064	17.5	

RIC
06/20/90 7:29:00
SAMPLE: VSTD50 50PPB STD
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: P062002 #1
CALI: P062002 #2

SCANS 35 TO 1000



Quantitation Report File: P062002

Data: P062002.TI
06/20/90 7:29:00
Sample: VSTD50 50PPB STD
Conds.: GC#1/1050P
Formula: P062002 Instrument: 1050P Weight: 0.000
Submitted by: P062001 Analyst: CAB Acct. No.: 062090

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	IS1	BROMOCHLOROMETHANE
2	SS1	1,2-DICHLOROETHANE D4
3	45V	CHLOROMETHANE
4	46V	BROMOMETHANE
5	88V	VINYL CHLORIDE
6	16V	CHLOROETHANE
7	44V	METHYLENE CHLORIDE
8	13H	ACETONE
9	21H	ACROLEIN
10	15H	CARBON DISULFIDE
11	24H	TRICHLOROFLUOROMETHANE
12	22H	ACRYLONITRILE
13	29V	1,1-DICHLOROETHYLENE
14	13V	1,1-DICHLOROETHANE
15		1,2-DICHLOROETHENE (TOTAL)
16	23V	CHLOROFORM
17	10V	1,2-DICHLOROETHANE
18	IS2	1,4-DIFLUOROBENZENE
19	14H	2-BUTANONE
20	11V	1,1,1-TRICHLOROETHANE
21	6V	CARBON TETRACHLORIDE
22	19H	VINYL ACETATE
23	48V	BROMODICHLOROMETHANE
24	32V	1,2-DICHLOROPROPANE
25	33VC	CIS-1,3-DICHLOROPROPENE
26		TRICHLOROETHYLENE
27	51V	DIBROMOCHLOROMETHANE
28	14V	1,1,2-TRICHLOROETHANE
29	4V	BENZENE
30	33VT	TRANS-1,3-DICHLOROPROPENE
31	19V	2-CHLOROETHYL VINYL ETHER
32	47V	BROMOFORM
33	IS3	CHLOROBENZENE D5
34	SS2	TOLUENE D8
35	SS3	4-BROMOFLUOROBENZENE
36	17H	4-METHYL-2-PENTANONE
37	16H	2-HEXANONE
38	85V	TETRACHLOROETHYLENE
39	15V	1,1,2,2-TETRACHLOROETHANE
40	86V	TOLUENE
41	7V	CHLOROBENZENE
42	38V	ETHYLBENZENE
43	18H	STYRENE
44	20H	XYLENES (TOTAL)
45	26B	1,3-DICHLOROBENZENE
46	25B	1,2-DICHLOROBENZENE
47	27B	1,4-DICLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	133	4:26	1	1.000	A BB	86888.	50.000 UG/L	2.20
2	65	224	7:28	1	1.684	A BB	92479.	50.000 UG/L	2.20
3	50	43	1:26	1	0.323	A BB	73216.	50.000 UG/L	2.20
4	94	48	1:36	1	0.361	A BB	132166.	50.000 UG/L	2.20
5	62	53	1:46	1	0.398	A BB	84792.	50.000 UG/L	2.20
6	64	59	1:58	1	0.444	A BB	90685.	50.000 UG/L	2.20
7	84	80	2:40	1	0.602	A BB	120677.	50.000 UG/L	2.20
8	43	81	2:42	1	0.609	A BB	39397.	50.000 UG/L	2.20
9	56	83	2:46	1	0.624	A BB	3887.	20.000 UG/L	0.88
10	76	102	3:24	1	0.767	A BB	151463.	50.000 UG/L	2.20
11	101	111	3:42	1	0.835	A BB	108376.	20.000 UG/L	0.88
12	53	92	3:04	1	0.692	A BV	24072.	20.000 UG/L	0.88
13	96	121	4:02	1	0.910	A BB	86485.	50.000 UG/L	2.20
14	63	154	5:08	1	1.158	A BB	158472.	50.000 UG/L	2.20
15	96	175	5:50	1	1.316	M XX	90825.	50.000 UG/L	2.20
16	83	203	6:46	1	1.526	M XX	175572.	50.000 UG/L	2.20
17	62	229	7:38	1	1.722	A BB	101877.	50.000 UG/L	2.20
18	114	485	16:10	18	1.000	A BB	151591.	50.000 UG/L	2.20
19	72	221	7:22	18	0.456	A BB	13883.	50.000 UG/L	2.20
20	97	274	9:08	18	0.565	A BB	113457.	50.000 UG/L	2.20
21	117	288	9:36	18	0.594	A VB	96274.	50.000 UG/L	2.20
22	43	296	9:52	18	0.610	A VB	124211.	50.000 UG/L	2.20
23	83	315	10:30	18	0.649	A BB	133058.	50.000 UG/L	2.20
24	63	355	11:50	18	0.732	A BB	104605.	50.000 UG/L	2.20
25	75	367	12:14	18	0.757	A BB	110817.	50.000 UG/L	2.20
26	130	386	12:52	18	0.796	A BB	79723.	50.000 UG/L	2.20
27	129	410	13:40	18	0.845	A BV	83255.	50.000 UG/L	2.20
28	97	412	13:44	18	0.849	A BB	62673.	60.000 UG/L	2.64
29	78	398	13:16	18	0.821	A BB	149218.	50.000 UG/L	2.20
30	75	411	13:42	18	0.847	A VB	52514.	50.000 UG/L	2.20
31	63	446	14:52	18	0.920	A BB	11272.	50.000 UG/L	2.20
32	173	496	16:32	18	1.023	A BB	59169.	50.000 UG/L	2.20
33	117	636	21:12	33	1.000	A BB	159142.	50.000 UG/L	2.20
34	98	598	19:56	33	0.940	A BB	199094.	50.000 UG/L	2.20
35	95	755	25:10	33	1.187	A BB	124261.	50.000 UG/L	2.20
36	43	506	16:52	33	0.796	A BB	66417.	50.000 UG/L	2.20
37	43	556	18:32	33	0.874	A BB	55709.	50.000 UG/L	2.20
38	164	568	18:56	33	0.893	A BB	78796.	50.000 UG/L	2.20
39	83	569	18:58	33	0.895	A BB	98060.	50.000 UG/L	2.20
40	92	604	20:08	33	0.950	A BB	123645.	50.000 UG/L	2.20
41	112	639	21:18	33	1.005	A BB	163348.	50.000 UG/L	2.20
42	106	693	23:06	33	1.090	A BB	77300.	50.000 UG/L	2.20
43	104	786	26:12	33	1.236	A BB	137393.	50.000 UG/L	2.20
44	106	813	27:06	33	1.278	A VB	80438.	50.000 UG/L	2.20
45	146	897	29:54	33	1.410	A BB	110215.	50.000 UG/L	2.20
46	146	923	30:46	33	1.451	M XX	73598.	50.000 UG/L	2.20
47	146	931	31:02	33	1.464	A VB	145602.	50.000 UG/L	2.20

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	4:26	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	7:28	1.00	1.684	1.00	50.00	50.00	1.064	1.064	1.00
3	1:26	1.00	0.323	1.00	50.00	50.00	0.843	0.843	1.00
4	1:36	1.00	0.361	1.00	50.00	50.00	1.521	1.521	1.00
5	1:46	1.00	0.398	1.00	50.00	50.00	0.976	0.976	1.00
6	1:58	1.00	0.444	1.00	50.00	50.00	1.044	1.044	1.00
7	2:40	1.00	0.602	1.00	50.00	50.00	1.389	1.389	1.00

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
8	2:42	1.00	0.609	1.00	50.00	50.00	0.453	0.453	1.00
9	2:46	1.00	0.624	1.00	20.00	20.00	0.112	0.112	1.00
10	3:24	1.00	0.767	1.00	50.00	50.00	1.743	1.743	1.00
11	3:42	1.00	0.835	1.00	20.00	20.00	3.118	3.118	1.00
12	3:04	1.00	0.692	1.00	20.00	20.00	0.693	0.693	1.00
13	4:02	1.00	0.910	1.00	50.00	50.00	0.995	0.995	1.00
14	5:08	1.00	1.158	1.00	50.00	50.00	1.824	1.824	1.00
15	5:50	1.00	1.316	1.00	50.00	50.00	1.045	1.045	1.00
16	6:46	1.00	1.526	1.00	50.00	50.00	2.021	2.021	1.00
17	7:38	1.00	1.722	1.00	50.00	50.00	1.173	1.173	1.00
18	16:10	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
19	7:22	1.00	0.456	1.00	50.00	50.00	0.092	0.092	1.00
20	9:08	1.00	0.565	1.00	50.00	50.00	0.748	0.748	1.00
21	9:36	1.00	0.594	1.00	50.00	50.00	0.635	0.635	1.00
22	9:52	1.00	0.610	1.00	50.00	50.00	0.819	0.819	1.00
23	10:30	1.00	0.649	1.00	50.00	50.00	0.878	0.878	1.00
24	11:50	1.00	0.732	1.00	50.00	50.00	0.690	0.690	1.00
25	12:14	1.00	0.757	1.00	50.00	50.00	0.731	0.731	1.00
26	12:52	1.00	0.796	1.00	50.00	50.00	0.526	0.526	1.00
27	13:40	1.00	0.845	1.00	50.00	50.00	0.549	0.549	1.00
28	13:44	1.00	0.849	1.00	60.00	60.00	0.345	0.345	1.00
29	13:16	1.00	0.821	1.00	50.00	50.00	0.984	0.984	1.00
30	13:42	1.00	0.847	1.00	50.00	50.00	0.346	0.346	1.00
31	14:52	1.00	0.920	1.00	50.00	50.00	0.074	0.074	1.00
32	16:32	1.00	1.023	1.00	50.00	50.00	0.390	0.390	1.00
33	21:12	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
34	19:56	1.00	0.940	1.00	50.00	50.00	1.251	1.251	1.00
35	25:10	1.00	1.187	1.00	50.00	50.00	0.781	0.781	1.00
36	16:52	1.00	0.796	1.00	50.00	50.00	0.417	0.417	1.00
37	18:32	1.00	0.874	1.00	50.00	50.00	0.350	0.350	1.00
38	18:56	1.00	0.893	1.00	50.00	50.00	0.495	0.495	1.00
39	18:58	1.00	0.895	1.00	50.00	50.00	0.616	0.616	1.00
40	20:08	1.00	0.950	1.00	50.00	50.00	0.777	0.777	1.00
41	21:18	1.00	1.005	1.00	50.00	50.00	1.026	1.026	1.00
42	23:06	1.00	1.090	1.00	50.00	50.00	0.486	0.486	1.00
43	26:12	1.00	1.236	1.00	50.00	50.00	0.863	0.863	1.00
44	27:06	1.00	1.278	1.00	50.00	50.00	0.505	0.505	1.00
45	29:54	1.00	1.410	1.00	50.00	50.00	0.693	0.693	1.00
46	30:46	1.00	1.451	1.00	50.00	50.00	0.462	0.462	1.00
47	31:02	1.00	1.464	1.00	50.00	50.00	0.915	0.915	1.00

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Roy F. Weston, Inc. Contract: 3600-04-51-0000

Case No.: WSI-LE CARPENTER RFW Lot: 9006L734

Lab File ID (Standard): P061911 Date Analyzed: 06/19/90

Instrument ID: 1050P Time Analyzed: 1828

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

		IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
	12 HOUR STD	83501	4.13	150364	16.17	157004	21.20
	UPPER LIMIT	167002	4.63	300728	16.67	314008	21.70
	LOWER LIMIT	41751	3.63	75182	15.67	78502	20.70
	CLIENT SAMPLE NO.						
01	L.E. CARPENTER MW-1	57842	4.20	113281	16.13	112655	21.10
02	L.E. CARPENTER MW-2	70522	4.20	141677	16.13	143073	21.13
03	L.E. CARPENTER MW-3	79130	4.20	153585	16.10	149488	21.07
04	L.E. CARPENTER MW-4	77355	4.20	153611	16.10	153110	21.10
05	L.E. CARPENTER MW-5	81272	4.23	164022	16.10	155492	21.10
06	L.E. CARPENTER TRIP	73256	4.20	147309	16.10	143643	21.10
07	VBLKLVP005-MB1	89536	4.73	147250	16.20	142479	21.17

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Roy F. Weston, Inc.

Contract: 3600-04-51-0000

Case No.: WSI-LE CARPENTER

RFW Lot: 9006L734

Lab File ID (Standard): P062002

Date Analyzed: 06/20/90

Instrument ID: 1050P

Time Analyzed: 0729

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

	IS1(BCM) AREA #	RT	IS2(DFB) AREA #	RT	IS3(CBZ) AREA #	RT
12 HOUR STD	86888	4.43	151591	16.17	159142	21.20
UPPER LIMIT	173776	4.93	303182	16.67	318284	21.70
LOWER LIMIT	43444	3.93	75796	15.67	79571	20.70
CLIENT SAMPLE NO.						
01 L.E. CARPENTER MW-1DL	65445	4.23	136731	16.13	135062	21.17
02 L.E. CARPENTER MW-3DL	65701	4.20	134499	16.10	132769	21.13
03 L.E. CARPENTER MW-5MS	69232	4.40	150110	16.20	156551	21.20
04 L.E. CARPENTER MW-5MSD	67535	4.23	134727	16.17	140132	21.17
05 VBLKLVP006-MB1	79881	4.87	154888	16.20	151237	21.20

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

UPPER LIMIT = + 100%
of internal standard area.
LOWER LIMIT = - 50%
of internal standard area.

Column used to flag internal standard area values with an asterisk

FORM VIII VOA

5/88 Rev.

V. Raw QC Data Package

A. GC/MS Tuning and Calibration Standard: DFTPP

1. Bar Graph
2. Mass Listing

B. Blank Data

1. Tabulated Results (Form I)
2. TIC Results (Form IB)
3. Raw Data
   a. Reconstructed Ion Chromatogram(s) and Quantitation Report(s)
   b. HSL Spectra
   c. TIC Spectra
   d. GC/MS Library Search for TIC

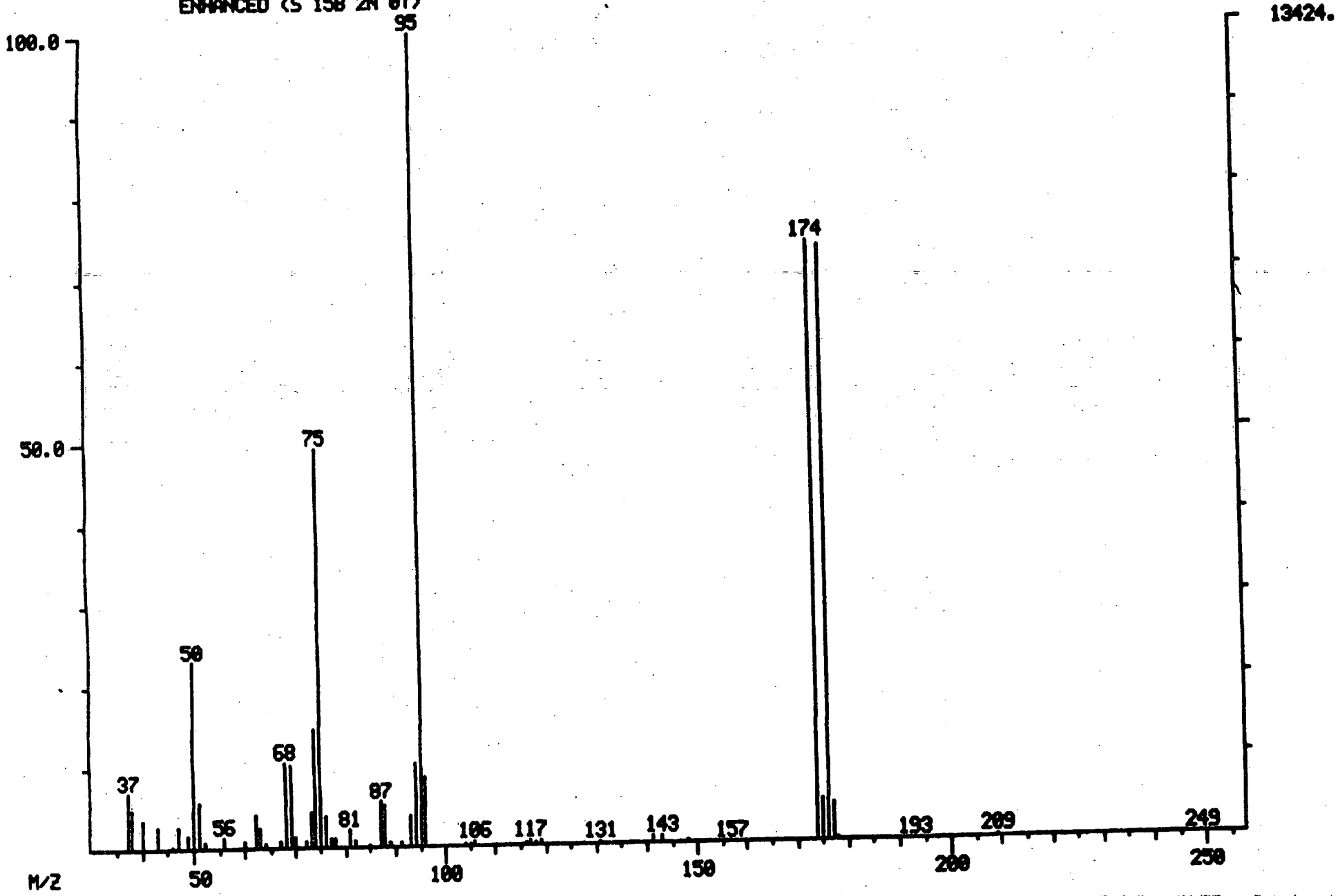
C. Matrix Spike Data

1. Tabulated Results (Form I)
2. Raw Data
   a. Reconstructed Ion Chromatogram(s)
   b. Quantitation Report(s)

MASS SPECTRUM
06/19/90 8:55:00 + 5:44
SAMPLE: BFB VOA TUNE
CONDS.: GC#2/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061901 #172
CALI: P061901 #2

BASE M/Z: 95
RIC: 61568.



Mass List
06/19/90 8:55:00 + 5:44
Sample: BFB VOA TUNE
Conds.: GC#2/1050P
Enhanced (S 15B 2N OT)

Data: P061901 # 172
Cali: P061901 # 2

Base m/z: 95
RIC: 61568.

37 0.00 0.00 0. Minima Min inten: 0.
249 # 0 Maxima

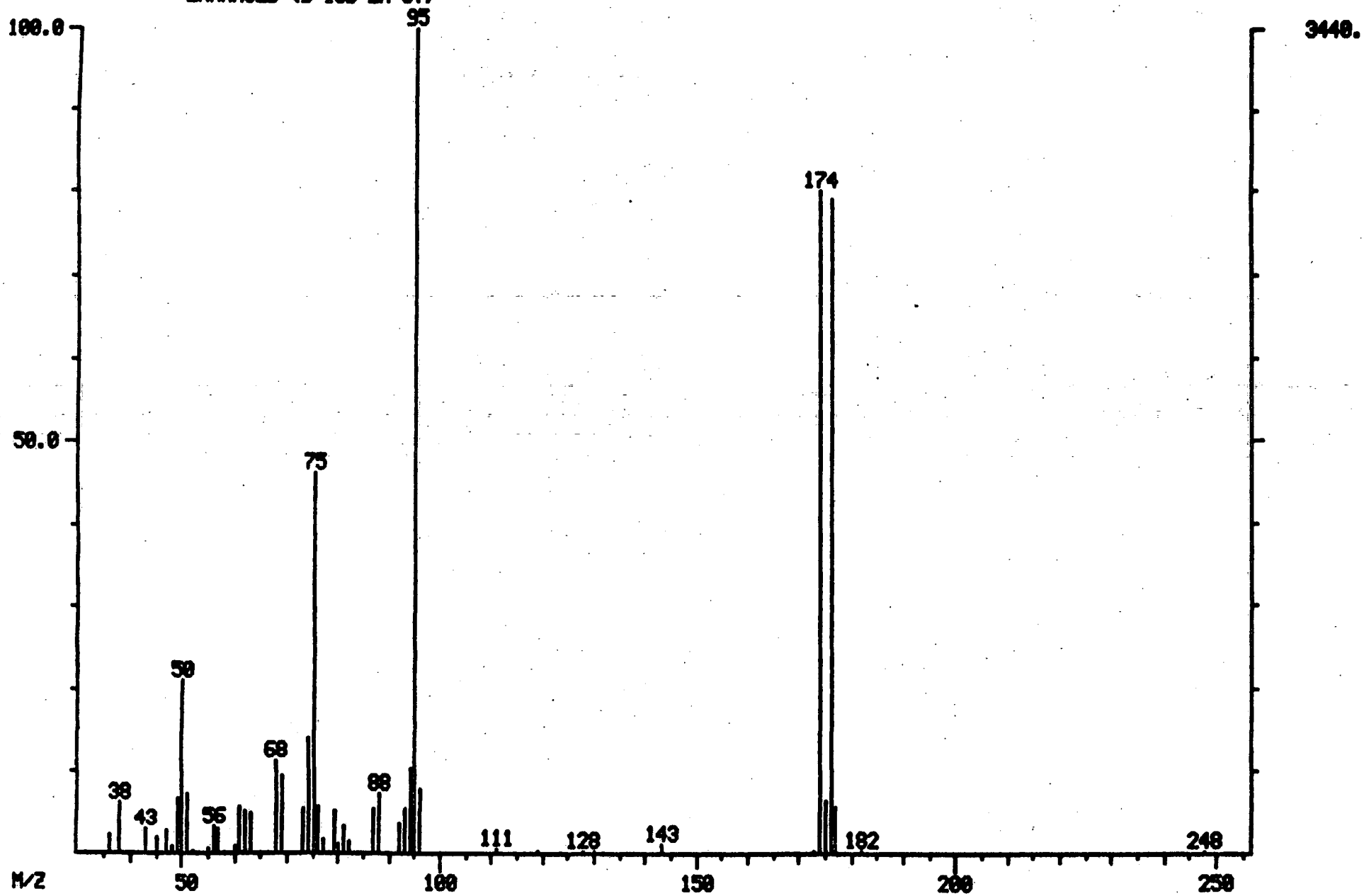
Mass	% RA	% RIC	Inten.
37.00?	6.90	1.50	926.
38.00?	4.93	1.08	662.
40.00?	3.38	0.74	454.
43.00?	2.58	0.56	346.
46.00?	0.29	0.06	39.
47.00?	2.64	0.57	354.
49.00?	1.71	0.37	230.
50.00?	23.06	5.03	3096.
51.00?	5.77	1.26	774.
52.00?	0.89	0.19	120.
56.00?	1.38	0.30	185.
60.00?	0.94	0.20	126.
62.00?	4.12	0.90	553.
63.00?	2.35	0.51	316.
64.00?	0.59	0.13	79.
67.00?	0.70	0.15	94.
68.00?	10.59	2.31	1422.
69.00	10.13	2.21	1360.
70.00	1.43	0.31	192.
72.00	0.68	0.15	91.
73.00	4.37	0.95	587.
74.00	14.47	3.15	1942.
75.00	49.23	10.73	6608.
76.00	3.88	0.85	521.
77.00	1.05	0.23	141.
78.00	1.20	0.26	161.
81.00	2.11	0.46	283.
82.00	0.69	0.15	92.
84.00	0.09	0.02	12.
85.00	0.15	0.03	20.
87.00	5.65	1.23	759.
88.00	5.07	1.11	681.
89.00	0.41	0.09	55.
91.00	0.47	0.10	63.
93.00	3.68	0.80	494.
94.00	10.16	2.22	1364.
95.00	100.00	21.80	13424.
96.00	8.69	1.89	1166.
99.00	0.03	0.01	4.
102.00	0.02	0.00	3.
103.00	0.09	0.02	12.
104.00	0.38	0.08	51.
105.00	0.21	0.05	28.
106.00	0.45	0.10	61.
109.00	0.01	0.00	2.
115.00	0.07	0.01	9.
116.00	0.17	0.04	23.
117.00	0.48	0.10	64.
118.00	0.30	0.06	40.
119.00	0.47	0.10	63.
127.00	0.04	0.01	6.
131.00	0.30	0.06	40.
134.00	0.07	0.01	9.
137.00	0.03	0.01	4.
141.00	0.80	0.17	107.
143.00	0.83	0.18	111.
148.00	0.17	0.04	23.
149.00	0.07	0.01	9.
153.00	0.07	0.01	9.
157.00	0.12	0.03	16.
159.00	0.09	0.02	12.
174.00	73.66	16.06	9888.
175.00	5.12	1.12	687.
176.00	73.18	15.96	9824.
177.00	4.59	1.00	616.
178.00	0.22	0.05	29.
189.00	0.03	0.01	4.
193.00	0.12	0.03	16.
209.00	0.18	0.04	24.
249.00	0.13	0.03	17.

182

MASS SPECTRUM
06/19/90 18:07:00 + 5:44
SAMPLE: BFB50 VOA TUNE
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061910 #172
CALI: P061910 #2

BASE M/Z: 95
RIC: 16960.



Mass List Data: P061910 # 172 Base m/z: 95 0018

06/19/90 18:07:00 + 5:44 Cali: P061910 # 2 RIC: 16960.

Sample: BFB50 VOA TUNE

Conds.: QC#1/1050P

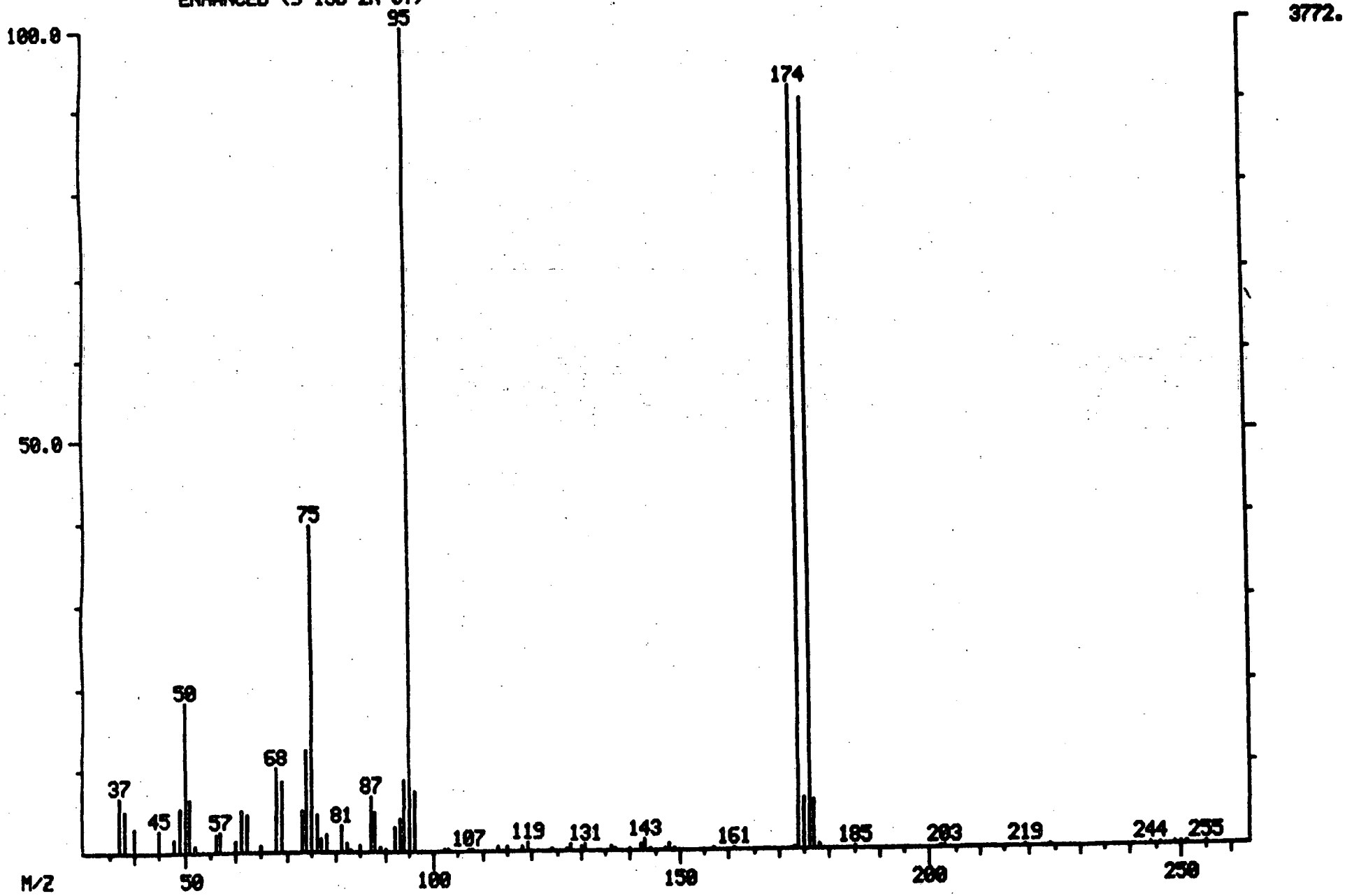
Enhanced (S 15B 2N OT)

36	0.00	0.00	0.	Minima	Min inten: 0.
248			# 0	Maxima	
Mass	% RA	% RIC	Inten.		
36.00?	2.18	0.44	75.		
38.00?	6.08	1.23	209.		
43.00?	3.02	0.61	104.		
45.00?	1.98	0.40	68.		
47.00?	2.76	0.56	95.		
48.00?	0.84	0.17	29.		
49.00?	6.72	1.36	231.		
50.00?	21.02	4.26	723.		
51.00?	7.35	1.49	253.		
52.00?	0.15	0.03	5.		
55.00?	0.58	0.12	20.		
56.00?	3.14	0.64	108.		
57.00?	3.02	0.61	104.		
60.00?	0.78	0.16	27.		
61.00?	5.58	1.13	192.		
62.00?	5.23	1.06	180.		
63.00?	4.83	0.98	166.		
68.00?	11.22	2.28	386.		
69.00	9.30	1.89	320.		
73.00	5.47	1.11	188.		
74.00	13.87	2.81	477.		
75.00	46.34	9.40	1594.		
76.00	5.52	1.12	190.		
77.00	1.63	0.33	56.		
79.00	5.00	1.01	172.		
80.00	1.05	0.21	36.		
81.00	3.17	0.64	109.		
82.00	1.22	0.25	42.		
87.00	5.49	1.11	189.		
88.00	7.38	1.50	254.		
89.00	0.12	0.02	4.		
92.00	3.37	0.68	116.		
93.00	5.29	1.07	182.		
94.00	10.20	2.07	351.		
95.00	100.00	20.28	3440.		
96.00	7.82	1.59	269.		
111.00	0.41	0.08	14.		
119.00	0.15	0.03	5.		
128.00	0.17	0.04	6.		
130.00	0.15	0.03	5.		
143.00	1.10	0.22	38.		
144.00	0.12	0.02	4.		
148.00	0.06	0.01	2.		
173.00	0.17	0.04	6.		
174.00	80.12	16.25	2756.		
175.00	6.51	1.32	224.		
176.00	79.07	16.04	2720.		
177.00	5.76	1.17	198.		
182.00	0.23	0.05	8.		
248.00	0.29	0.06	10.		

MASS SPECTRUM
06/20/90 7:11:00 + 5:42
SAMPLE: BFB VOA TUNE
CONDS.: GC#2/1050P
ENHANCED (S 15B 2N 0T)

DATA: P062001 #171
CALI: P062001 #2

BASE M/Z: 95
RIC: 18000.



Mass List
06/20/90 7:11:00 + 5:42
Sample: BFB VOA TUNE
Conds.: GC#2/1050P
Enhanced (S 15B 2N OT)

Data: P062001 # 171
Cali: P062001 # 2

Base m/z: 95
RIC: 18880.

37 0.00 0.00 0. Minima Min inten: 0.
255 # 0 Maxima

Mass	% RA	% RIC	Inten.	Mass	% RA	% RIC	Inten.
37.00?	6.65	1.33	251.	127.00	0.16	0.03	6.
38.00?	5.09	1.02	192.	128.00	0.90	0.18	34.
40.00?	2.97	0.59	112.	130.00	0.64	0.13	24.
45.00?	2.76	0.55	104.	131.00	0.93	0.19	35.
48.00?	1.72	0.34	65.	134.00	0.11	0.02	4.
49.00?	5.25	1.05	198.	136.00	0.42	0.08	16.
50.00?	18.21	3.64	687.	137.00	0.32	0.06	12.
51.00?	6.34	1.27	239.	138.00	0.13	0.03	5.
52.00?	0.85	0.17	32.	140.00	0.27	0.05	10.
54.00?	0.08	0.02	3.	142.00	0.69	0.14	26.
56.00?	2.04	0.41	77.	143.00	1.33	0.26	50.
57.00?	2.47	0.49	93.	144.00	0.21	0.04	8.
60.00?	1.41	0.28	53.	147.00	0.27	0.05	10.
61.00?	5.04	1.01	190.	148.00	0.82	0.16	31.
62.00?	4.45	0.89	168.	149.00	0.16	0.03	6.
65.00?	0.74	0.15	28.	150.00	0.13	0.03	5.
68.00?	10.15	2.03	383.	152.00	0.13	0.03	5.
69.00	8.72	1.74	329.	153.00	0.08	0.02	3.
73.00	5.12	1.02	193.	154.00	0.03	0.01	1.
74.00	12.38	2.47	467.	157.00	0.19	0.04	7.
75.00	39.71	7.93	1498.	160.00	0.11	0.02	4.
76.00	4.59	0.92	173.	161.00	0.24	0.05	9.
77.00	1.59	0.32	60.	165.00	0.11	0.02	4.
78.00	2.12	0.42	80.	166.00	0.05	0.01	2.
81.00	3.34	0.67	126.	171.00	0.13	0.03	5.
82.00	1.17	0.23	44.	173.00	0.34	0.07	13.
83.00	0.34	0.07	13.	174.00	92.26	18.43	3480.
85.00	0.69	0.14	26.	175.00	6.15	1.23	232.
87.00	6.71	1.34	253.	176.00	90.56	18.09	3416.
88.00	4.93	0.99	186.	177.00	5.94	1.19	224.
89.00	0.53	0.11	20.	178.00	0.53	0.11	20.
90.00	0.19	0.04	7.	185.00	0.34	0.07	13.
92.00	3.08	0.61	116.	186.00	0.11	0.02	4.
93.00	4.06	0.81	153.	194.00	0.08	0.02	3.
94.00	8.67	1.73	327.	200.00	0.13	0.03	5.
95.00	100.00	19.98	3772.	202.00	0.19	0.04	7.
96.00	7.16	1.43	270.	203.00	0.29	0.06	11.
98.00	0.08	0.02	3.	211.00	0.08	0.02	3.
102.00	0.16	0.03	6.	219.00	0.16	0.03	6.
103.00	0.32	0.06	12.	224.00	0.19	0.04	7.
104.00	0.08	0.02	3.	228.00	0.11	0.02	4.
107.00	0.37	0.07	14.	244.00	0.16	0.03	6.
108.00	0.21	0.04	8.	245.00	0.08	0.02	3.
113.00	0.42	0.08	16.	246.00	0.16	0.03	6.
115.00	0.53	0.11	20.	249.00	0.16	0.03	6.
118.00	0.48	0.10	18.	250.00	0.21	0.04	8.
119.00	1.03	0.21	39.	251.00	0.19	0.04	7.
123.00	0.13	0.03	5.	254.00	0.11	0.02	4.
124.00	0.24	0.05	9.	255.00	0.19	0.04	7.
125.00	0.13	0.03	5.				

1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO. 186

VBLK

Lab Name: Roy F. Weston, Inc. Work Order: 3600-04-51-0000

Client: WSI-LE CARPENTER

Matrix: WATER

Lab Sample ID: 90LVP005-MB1

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: P061912

Level: (low/med) LOW

Date Received: 06/19/90

% Moisture: not dec. _____

Date Analyzed: 06/19/90

Column: (pack/cap) PACK

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
110-75-8	2-chloroethylvinylether	10	U
75-25-2	Bromoform	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO. 187

VBLK

Lab Name: Roy F. Weston, Inc. Work Order: 3600-04-51-0000

Client: WSI-LE CARPENTER

Matrix: WATER

Lab Sample ID: 90LVP005-MB1

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: P061912

Level: (low/med) LOW

Date Received: 06/19/90

% Moisture: not dec. _____

Date Analyzed: 06/19/90

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

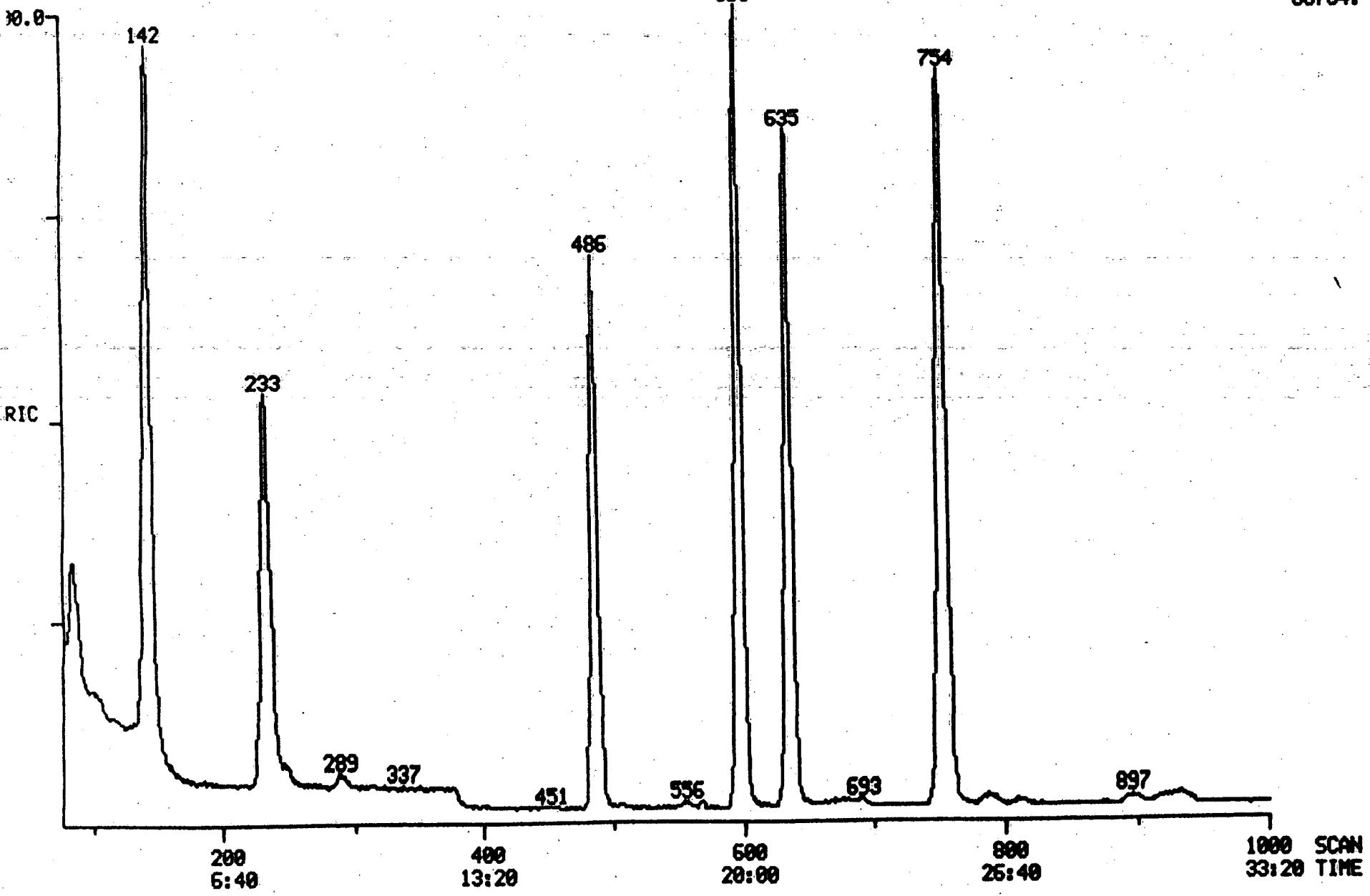
188

RIC
06/19/90 19:58:00
SAMPLE: 90LVP005-MB1 WATER BLANK
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: P061912 #1
CALI: P061912 #2

SCANS 75 TO 1000

86784.



Quantitation Report File: P061912

Data: P061912.TI
06/19/90 19:58:00
Sample: 90LVP005-MB1 WATER BLANK
Conds.: GC#1/1050P
Formula: P061910 Instrument: 1050P Weight: 0.003
Submitted by: P061910 Analyst: JT Acct. No.: 061990

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

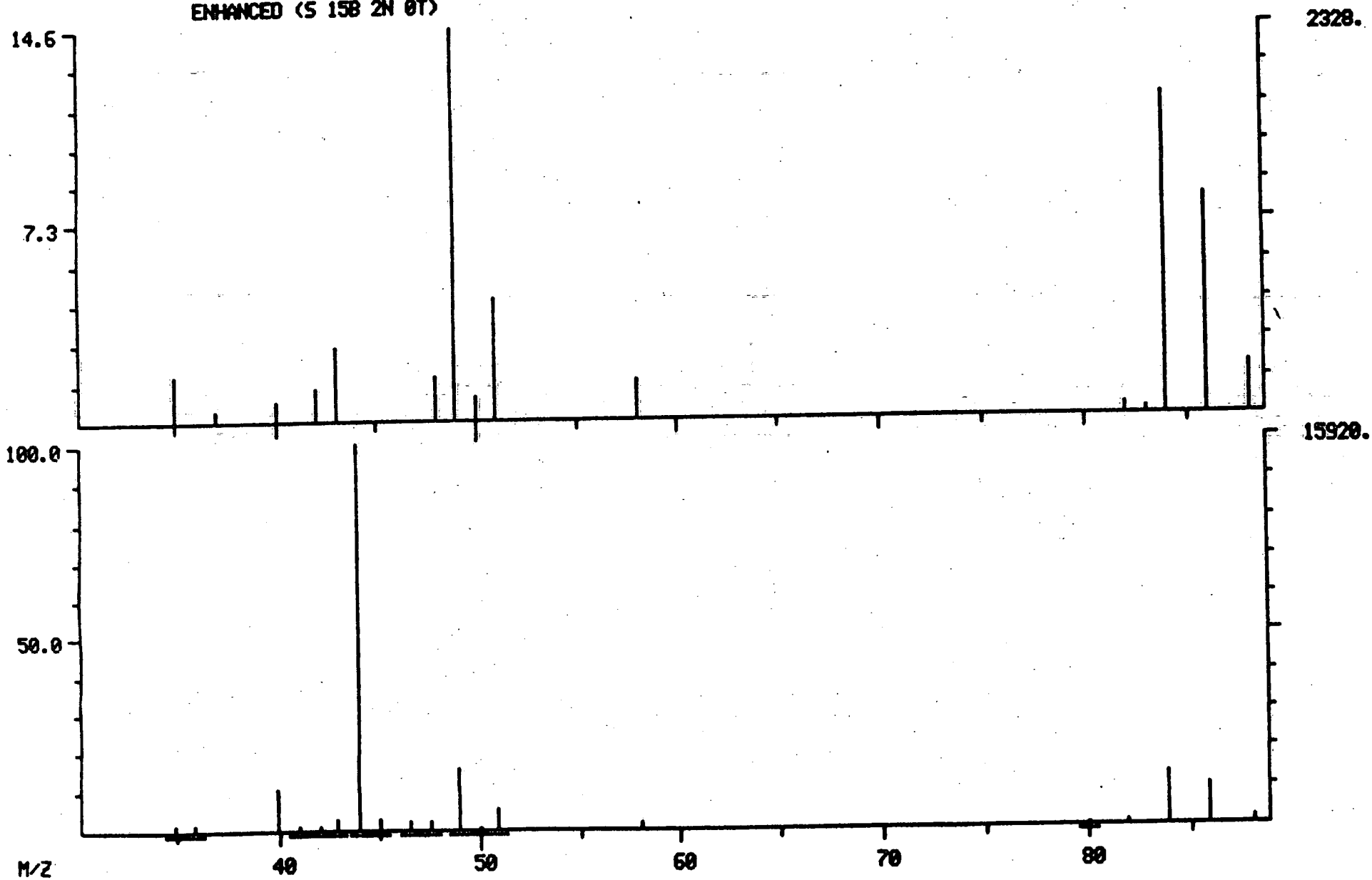
No	Name	
1	IS1	BROMOCHLOROMETHANE
2	SS1	1,2-DICHLOROETHANE D4
3	45V	CHLOROMETHANE
4	46V	BROMOMETHANE
5	88V	VINYL CHLORIDE
6	16V	CHLOROETHANE
7	44V	METHYLENE CHLORIDE
8	13H	ACETONE
9	21H	ACROLEIN
10	15H	CARBON DISULFIDE
11	24H	TRICHLOROFLUOROMETHANE
12	22H	ACRYLONITRILE
13	29V	1,1-DICHLOROETHYLENE
14	13V	1,1-DICHLOROETHANE
15		1,2-DICHLOROETHENE (TOTAL)
16	23V	CHLOROFORM
17	10V	1,2-DICHLOROETHANE
18	IS2	1,4-DIFLUOROBENZENE
19	14H	2-BUTANONE
20	11V	1,1,1-TRICHLOROETHANE
21	6V	CARBON TETRACHLORIDE
22	19H	VINYL ACETATE
23	48V	BROMODICHLOROMETHANE
24	32V	1,2-DICHLOROPROPANE
25	33VC	CIS-1,3-DICHLOROPROPENE
26		TRICHLOROETHYLENE
27	51V	DIBROMOCHLOROMETHANE
28	14V	1,1,2-TRICHLOROETHANE
29	4V	BENZENE
30	33VT	TRANS-1,3-DICHLOROPROPENE
31	19V	2-CHLOROETHYL VINYL ETHER
32	47V	BROMOFORM
33	IS3	CHLOROBENZENE D5
34	SS2	TOLUENE D8
35	SS3	4-BROMOFLUOROBENZENE
36	17H	4-METHYL-2-PENTANONE
37	16H	2-HEXANONE
38	85V	TETRACHLOROETHYLENE
39	15V	1,1,2,2-TETRACHLOROETHANE
40	86V	TOLUENE
41	7V	CHLOROBENZENE
42	38V	ETHYLBENZENE
43	18H	STYRENE
44	20H	XYLENES (TOTAL)
45	26B	1,3-DICHLOROBENZENE
46	25B	1,2-DICHLOROBENZENE
47	27B	1,4-DICLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	142	4:44	1	1.000	A BB	89536.	50.000 UG/L	15.49
2	65	233	7:46	1	1.641	A BB	96878.	44.355 UG/L	13.74
3	NOT	FOUND							
4	NOT	FOUND							
5	62	53	1:46	1	0.373	A BB	240.	0.128 UG/L	0.04
6	NOT	FOUND							
7	84	84	2:48	1	0.592	A BB	16844.	6.137 UG/L	1.90
8	43	85	2:50	1	0.599	A BB	2133.	2.153 UG/L	0.67
9	NOT	FOUND							
10	76	108	3:36	1	0.761	A BB	1151.	0.344 UG/L	0.11
11	101	116	3:52	1	0.817	A BB	1419.	0.650 UG/L	0.20
12	NOT	FOUND							
13	96	127	4:14	1	0.894	A BB	377.	0.192 UG/L	0.06
14	NOT	FOUND							
15	96	187	6:14	1	1.317	A BB	330.	0.155 UG/L	0.05
16	NOT	FOUND							
17	NOT	FOUND							
18	114	486	16:12	18	1.000	A BB	147250.	50.000 UG/L	15.49
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	78	401	13:22	18	0.825	A BB	359.	0.117 UG/L	0.04
30	NOT	FOUND							
31	NOT	FOUND							
32	NOT	FOUND							
33	117	635	21:10	33	1.000	A BB	142479.	50.000 UG/L	15.49
34	98	598	19:56	33	0.942	A BB	200705.	53.821 UG/L	16.67
35	95	754	25:08	33	1.187	A BB	127149.	54.682 UG/L	16.94
36	43	508	16:56	33	0.800	A BB	1082.	0.745 UG/L	0.23
37	43	556	18:32	33	0.876	A BB	2279.	1.839 UG/L	0.57
38	164	569	18:58	33	0.896	A BB	487.	0.363 UG/L	0.11
39	NOT	FOUND							
40	92	603	20:06	33	0.950	A BB	1275.	0.547 UG/L	0.17
41	112	639	21:18	33	1.006	A BB	1780.	0.611 UG/L	0.19
42	106	692	23:04	33	1.090	A BB	755.	0.549 UG/L	0.17
43	104	784	26:08	33	1.235	A BB	2151.	0.868 UG/L	0.27
44	106	814	27:08	33	1.282	A BB	1130.	0.829 UG/L	0.26
45	146	897	29:54	33	1.413	A BB	2903.	1.533 UG/L	0.47
46	NOT	FOUND							
47	146	934	31:08	33	1.471	A BB	7206.	2.250 UG/L	0.70

DUAL MASS SPECTRUM
06/19/90 19:58:00 + 2:48
SAMPLE: 90LVP005-MB1 WATER BLANK
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061912 #84
CALI: P061912 #2

BASE M/Z: 49/ 44
RIC: 8479./ 28127.

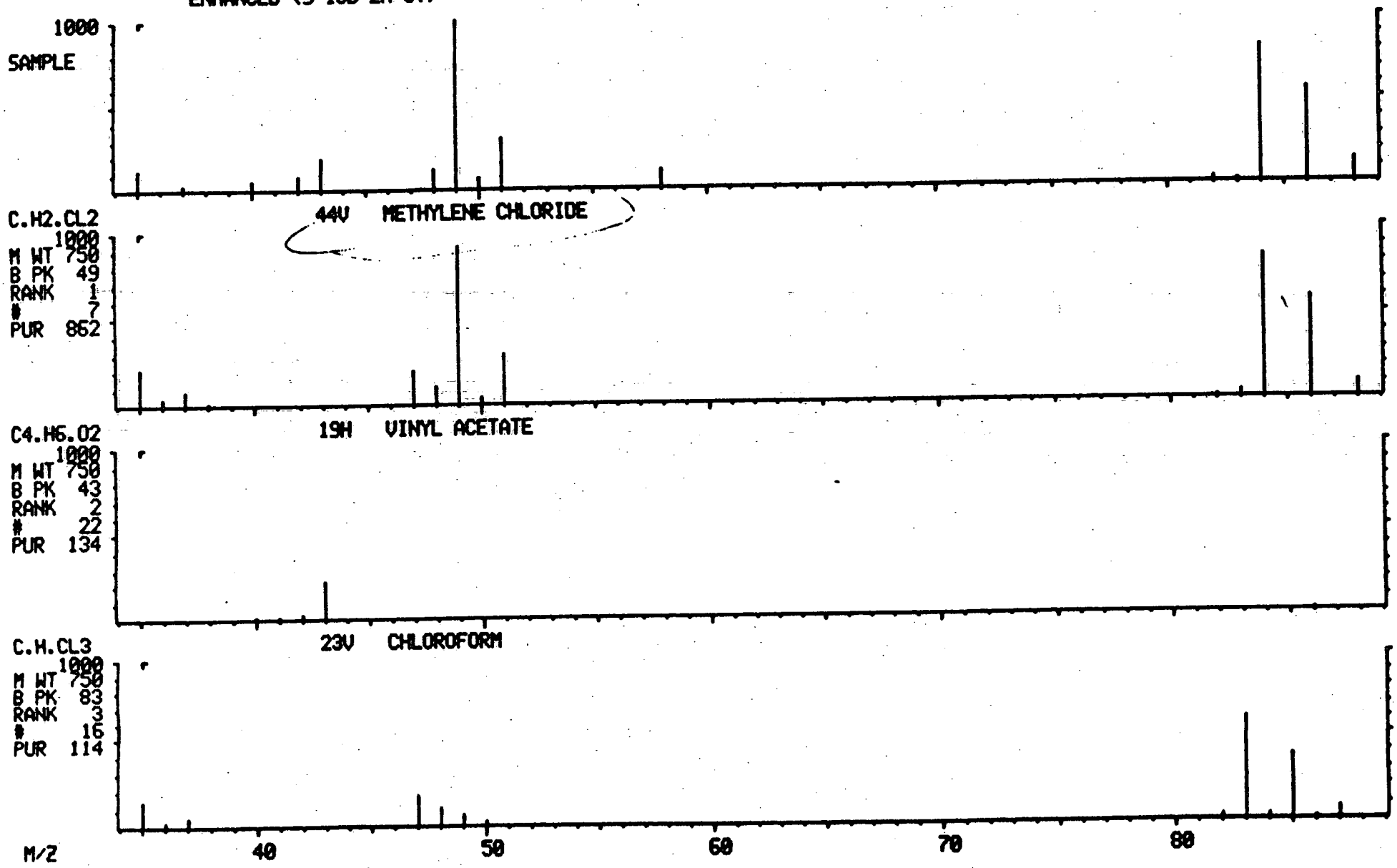


192

LIBRARY SEARCH
06/19/90 19:58:00 + 2:48
SAMPLE: 90LVP005-MB1 WATER BLANK
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P061912 # 84
CALI: P061912 # 2

BASE M/Z: 49
RIC: 8479.



1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO. 193

VBLK

Lab Name: Roy F. Weston, Inc. Work Order: 3600-04-51-0000

Client: WSI-LE CARPENTER

Matrix: WATER

Lab Sample ID: 90LVP006-MB1

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: P062003

Level: (low/med) LOW

Date Received: 06/20/90

% Moisture: not dec. _____

Date Analyzed: 06/20/90

Column: (pack/cap) PACK

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
110-75-8	2-chloroethylvinylether	10	U
75-25-2	Bromoform	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U

1E
VOLATILE ORGANICS ANALYSIS SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO. 194

VBLK

Lab Name: Roy F. Weston, Inc. Work Order: 3600-04-51-0000

Client: WSI-LE CARPENTER

Matrix: WATER

Lab Sample ID: 90LVP006-MB1

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: P062003

Level: (low/med) LOW

Date Received: 06/20/90

% Moisture: not dec. _____

Date Analyzed: 06/20/90

Column: (pack/cap) PACK

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

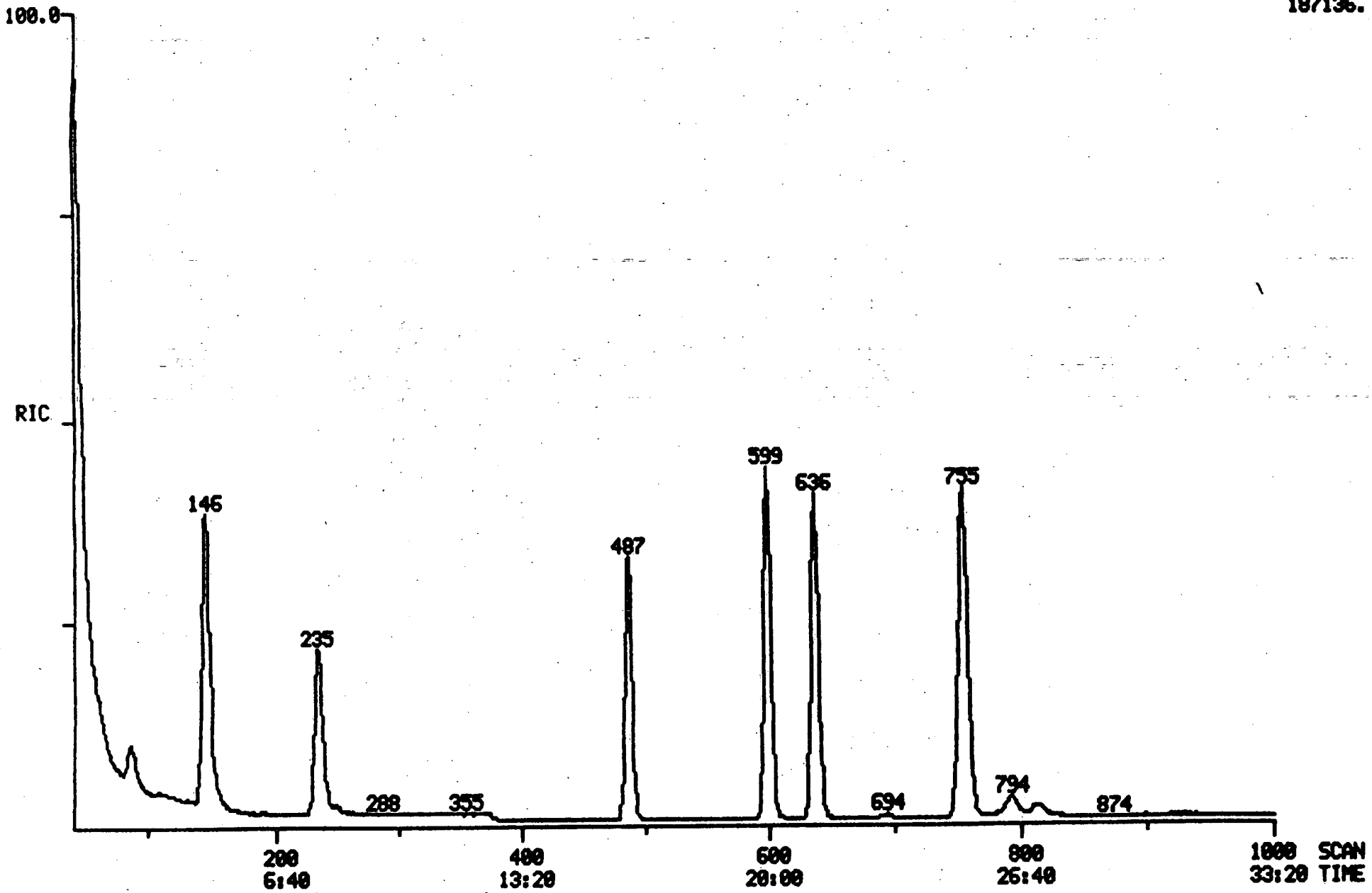
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				

RIC
06/20/90 8:48:00
SAMPLE: 90LVP006-MB1/WATER BLANK
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: P062003 #1
CALI: P062003 #2

SCANS 40 TO 1000

187136.



Quantitation Report File: P062003

Data: P062003.TI
06/20/90 8:48:00
Sample: 90LVP006-MB1/WATER BLANK
Conds.: GC#1/1050P
Formula: P062002 Instrument: 1050P Weight: 0.000
Submitted by: P062001 Analyst: CAB Acct. No.: 062090

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	IS1	BROMOCHLOROMETHANE
2	SS1	1,2-DICHLOROETHANE D4
3	45V	CHLOROMETHANE
4	46V	BROMOMETHANE
5	88V	VINYL CHLORIDE
6	16V	CHLOROETHANE
7	44V	METHYLENE CHLORIDE
8	13H	ACETONE
9	21H	ACROLEIN
10	15H	CARBON DISULFIDE
11	24H	TRICHLOROFLUOROMETHANE
12	22H	ACRYLONITRILE
13	29V	1,1-DICHLOROETHYLENE
14	13V	1,1-DICHLOROETHANE
15		1,2-DICHLOROETHENE (TOTAL)
16	23V	CHLOROFORM
17	10V	1,2-DICHLOROETHANE
18	IS2	1,4-DIFLUOROBENZENE
19	14H	2-BUTANONE.
20	11V	1,1,1-TRICHLOROETHANE
21	6V	CARBON TETRACHLORIDE
22	19H	VINYL ACETATE
23	48V	BROMODICHLOROMETHANE
24	32V	1,2-DICHLOROPROPANE
25	33VC	CIS-1,3-DICHLOROPROPENE
26		TRICHLOROETHYLENE
27	51V	DIBROMOCHLOROMETHANE
28	14V	1,1,2-TRICHLOROETHANE
29	4V	BENZENE
30	33VT	TRANS-1,3-DICHLOROPROPENE
31	19V	2-CHLOROETHYL VINYL ETHER
32	47V	BROMOFORM
33	IS3	CHLOROBENZENE D5
34	SS2	TOLUENE D8
35	SS3	4-BROMOFLUOROBENZENE
36	17H	4-METHYL-2-PENTANONE
37	16H	2-HEXANONE
38	85V	TETRACHLOROETHYLENE
39	15V	1,1,2,2-TETRACHLOROETHANE
40	86V	TOLUENE
41	7V	CHLOROBENZENE
42	38V	ETHYLBENZENE
43	18H	STYRENE
44	20H	XYLENES (TOTAL)
45	26B	1,3-DICHLOROBENZENE
46	25B	1,2-DICHLOROBENZENE
47	27B	1,4-DICLOROBENZENE

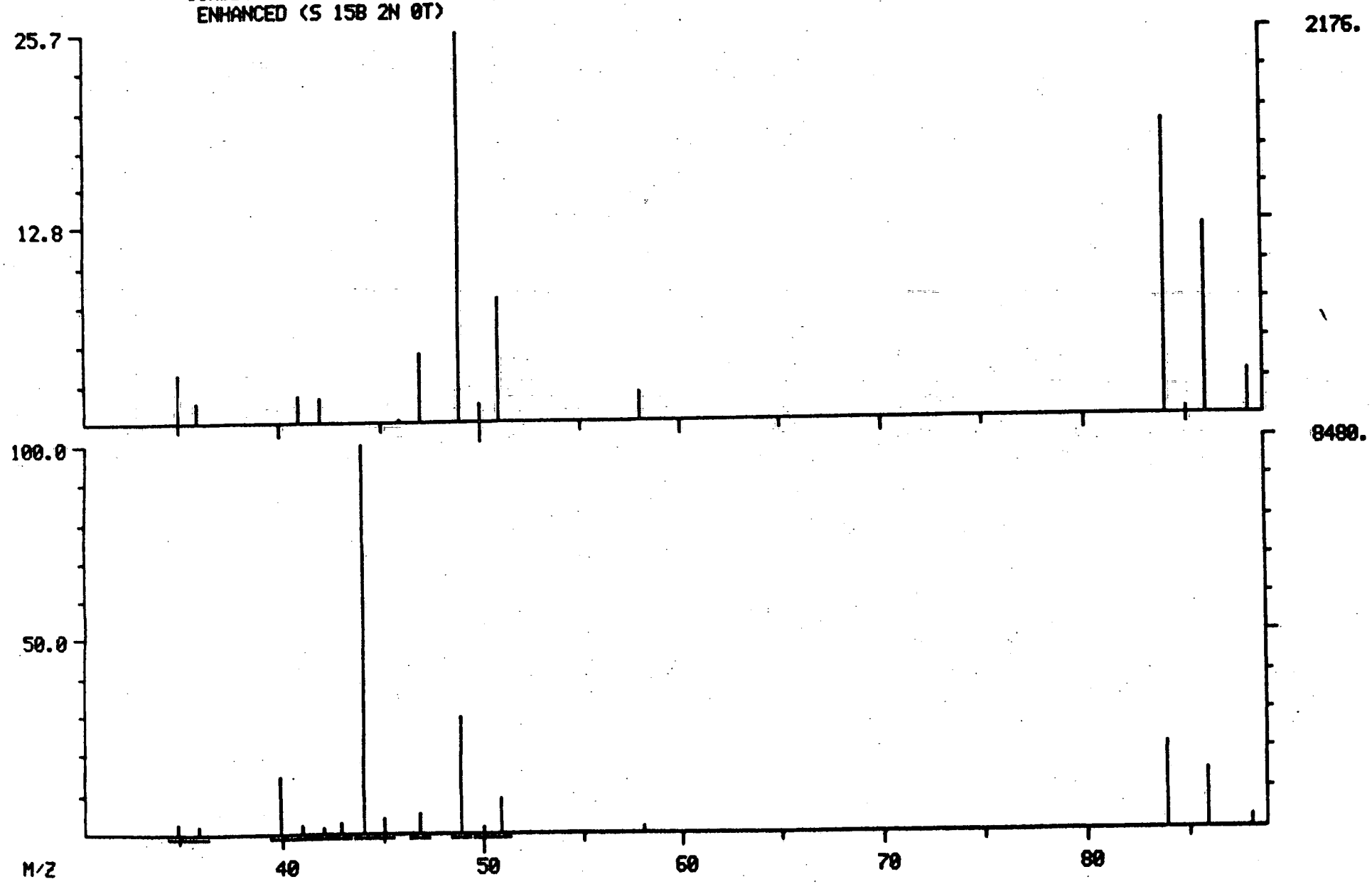
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	146	4:52	1	1.000	A BB	79881.	50.000 UG/L	15.72
2	65	235	7:50	1	1.610	A BB	89231.	52.476 UG/L	16.50
3	NOT	FOUND							
4	NOT	FOUND							
5	NOT	FOUND							
6	NOT	FOUND							
7	84	86	2:52	1	0.589	A BB	12918.	5.822 UG/L	1.83
8	43	88	2:56	1	0.603	A BB	2125.	2.933 UG/L	0.92
9	NOT	FOUND							
10	76	111	3:42	1	0.760	A BB	243.	0.087 UG/L	0.03
11	101	119	3:58	1	0.815	A BB	207.	0.042 UG/L	0.01
12	NOT	FOUND							
13	NOT	FOUND							
14	NOT	FOUND							
15	NOT	FOUND							
16	NOT	FOUND							
17	NOT	FOUND							
18	114	486	16:12	18	1.000	A BB	154888.	50.000 UG/L	15.72
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	NOT	FOUND							
30	NOT	FOUND							
31	NOT	FOUND							
32	NOT	FOUND							
33	117	636	21:12	33	1.000	A BB	151237.	50.000 UG/L	15.72
34	98	599	19:58	33	0.942	A BB	192097.	50.764 UG/L	15.96
35	95	755	25:10	33	1.187	A BB	123236.	52.180 UG/L	16.40
36	NOT	FOUND							
37	NOT	FOUND							
38	NOT	FOUND							
39	NOT	FOUND							
40	NOT	FOUND							
41	NOT	FOUND							
42	106	693	23:06	33	1.090	A BB	1684.	1.146 UG/L	0.36
43	NOT	FOUND							
44	106	816	27:12	33	1.283	A BV	3893.	2.546 UG/L	0.80
45	146	900	30:00	33	1.415	A BB	234.	0.112 UG/L	0.04
46	NOT	FOUND							
47	NOT	FOUND							

198

DUAL MASS SPECTRUM
06/20/90 8:48:00 + 2:52
SAMPLE: 90LVP006-MB1/WATER BLANK
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P062003 #86
CALI: P062003 #2

BASE M/Z: 49/ 44
RIC: 7247./ 18399.

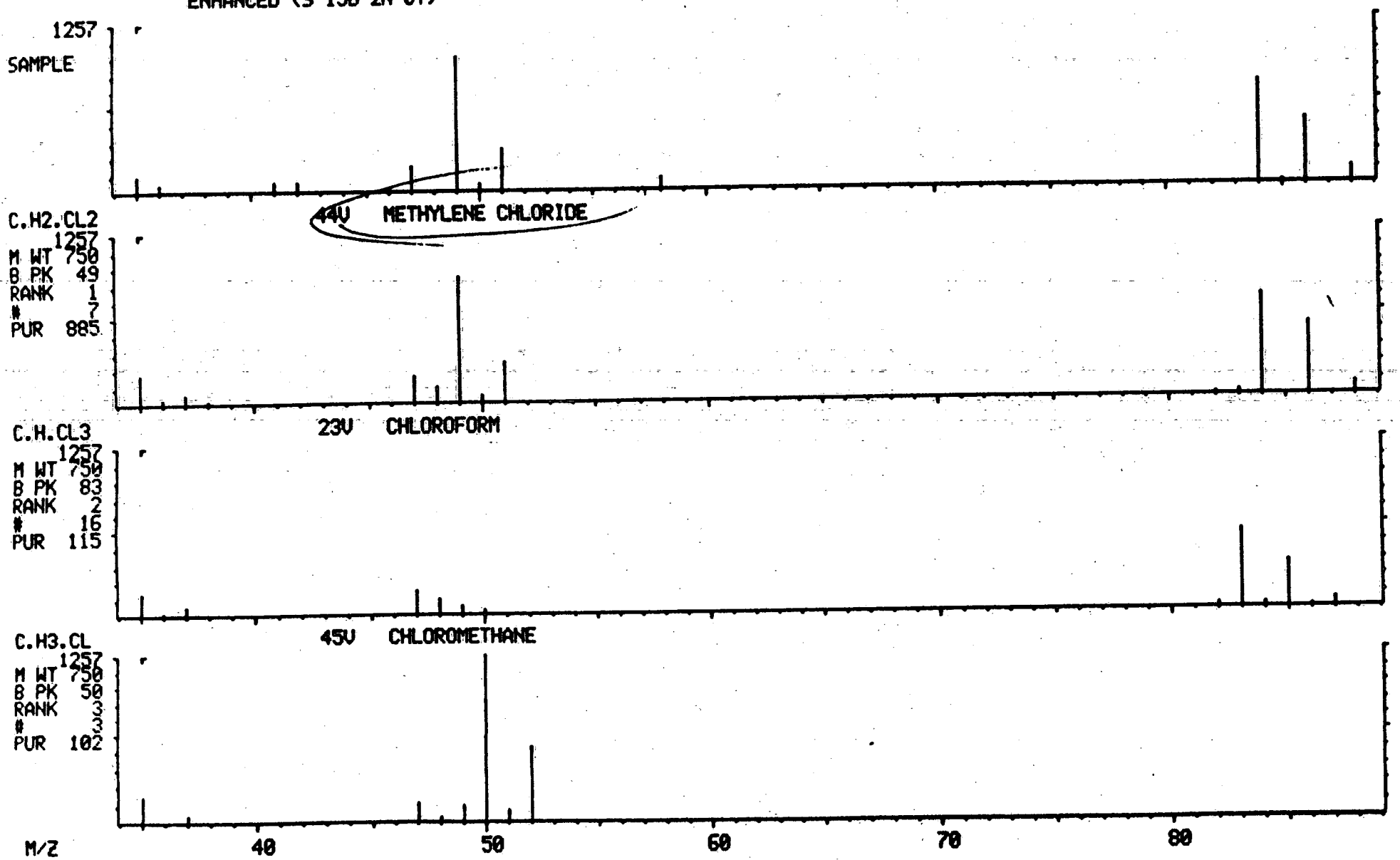


19.

LIBRARY SEARCH
06/20/90 8:48:00 + 2:52
SAMPLE: 90LVP006-MB1/WATER BLANK
CONDS.: GC#1/1050P
ENHANCED (S 15B 2N 0T)

DATA: P062003 # 86
CALI: P062003 # 2

BASE M/Z: 49
RIC: 7255.



1A
VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO. 200

L.E. CARPENTER MW-5MS

Lab Name: Roy F. Weston, Inc. Work Order: 3600-04-51-0000

Client: WSI-LE CARPENTER

Matrix: WATER

Lab Sample ID: 9006L734-005 MS

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: P062004

Level: (low/med) LOW

Date Received: 06/14/90

% Moisture: not dec. _____

Date Analyzed: 06/20/90

Column: (pack/cap) PACK

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
75-35-4	1,1-Dichloroethene		S
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene		S
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene		S
10061-02-6	Trans-1,3-Dichloropropene	5	U
110-75-8	2-chloroethylvinylether	10	U
75-25-2	Bromoform	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene		S
108-90-7	Chlorobenzene		S
100-41-4	Ethylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U

S: SPIKE COMPOUND

FORM 1 V-1

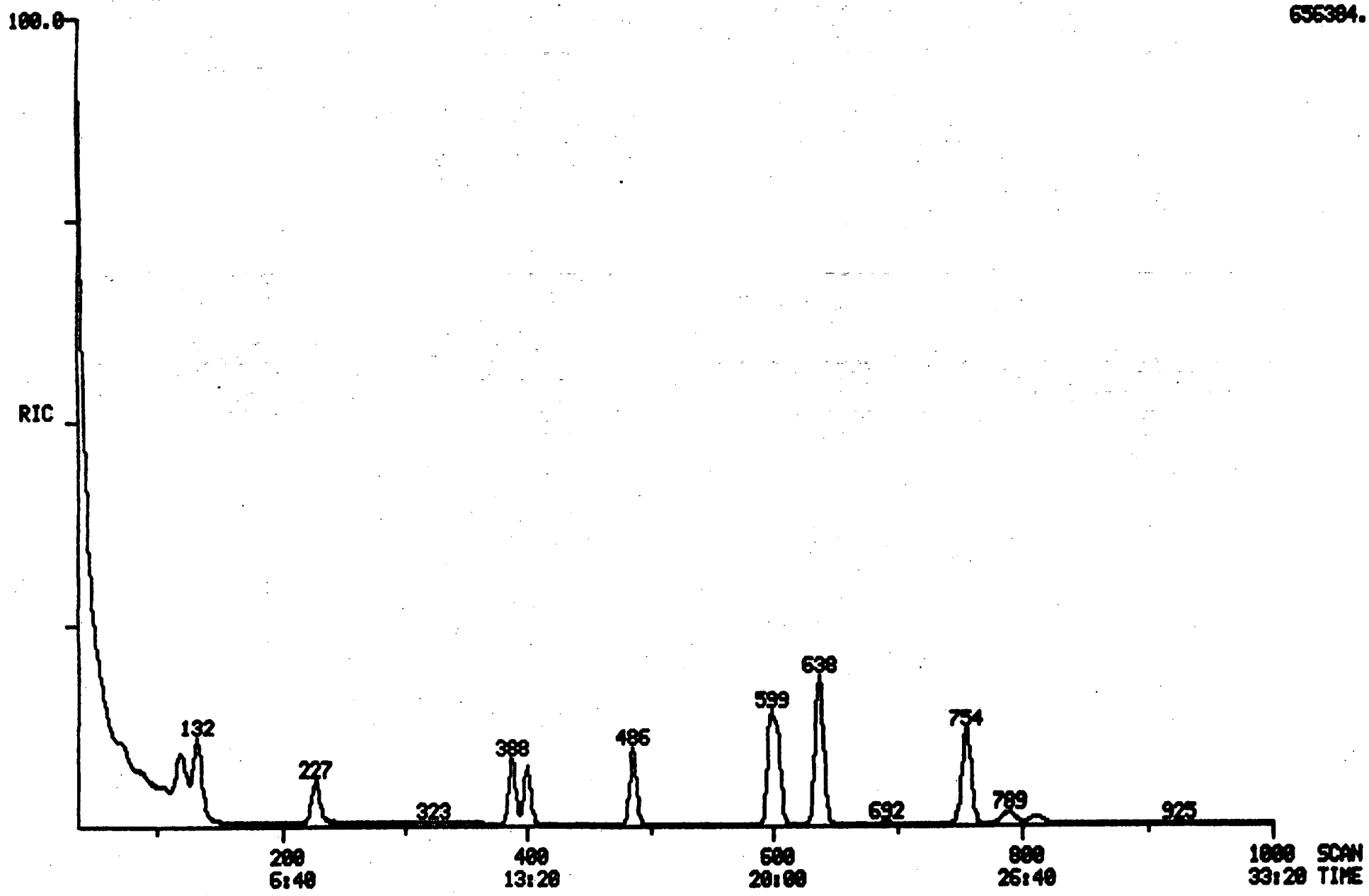
12/88 Rev.

201

RIC
06/20/90 10:20:00
SAMPLE: 9006L734-005S WESTON SERVICES
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: P062004 #1
CALI: P062004 #2

SCANS 35 TO 1000



Quantitation Report File: P062004

Data: P062004.TI
06/20/90 10:20:00
Sample: 9006L734-005S WESTON SERVICES
Conds.: GC#1/1050P
Formula: P062002 Instrument: 1050P Weight: 0.000
Submitted by: P062001 Analyst: CAB Acct. No.: 062090

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	IS1	BROMOCHLOROMETHANE
2	SS1	1,2-DICHLOROETHANE D4
3	45V	CHLOROMETHANE
4	46V	BROMOMETHANE
5	88V	VINYL CHLORIDE
6	16V	CHLOROETHANE
7	44V	METHYLENE CHLORIDE
8	13H	ACETONE
9	15H	CARBON DISULFIDE
10	29V	1,1-DICHLOROETHYLENE
11	13V	1,1-DICHLOROETHANE
12		1,2-DICHLOROETHENE (TOTAL)
13	23V	CHLOROFORM
14	10V	1,2-DICHLOROETHANE
15	IS2	1,4-DIFLUOROBENZENE
16	14H	2-BUTANONE
17	11V	1,1,1-TRICHLOROETHANE
18	6V	CARBON TETRACHLORIDE
19	19H	VINYL ACETATE
20	48V	BROMODICHLOROMETHANE
21	32V	1,2-DICHLOROPROPANE
22	33VC	CIS-1,3-DICHLOROPROPENE
23		TRICHLOROETHYLENE
24	51V	DIBROMOCHLOROMETHANE
25	14V	1,1,2-TRICHLOROETHANE
26	4V	BENZENE
27	33VT	TRANS-1,3-DICHLOROPROPENE
28	19V	2-CHLOROETHYL VINYL ETHER
29	47V	BROMOFORM
30	IS3	CHLOROBENZENE D5
31	SS2	TOLUENE D8
32	SS3	4-BROMOFLUOROBENZENE
33	17H	4-METHYL-2-PENTANONE
34	16H	2-HEXANONE
35	85V	TETRACHLOROETHYLENE
36	15V	1,1,2,2-TETRACHLOROETHANE
37	86V	TOLUENE
38	7V	CHLOROBENZENE
39	38V	ETHYLBENZENE
40	18H	STYRENE
41	20H	XYLENES (TOTAL)
42	26B	1,3-DICHLOROBENZENE
43	25B	1,2-DICHLOROBENZENE
44	27B	1,4-DICLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	132	4:24	1	1.000	A BB	69232.	50.000 UG/L	9.37
2	65	227	7:34	1	1.720	A BB	81990.	55.635 UG/L	10.43
3	NOT	FOUND							
4	NOT	FOUND							
5	NOT	FOUND							
6	NOT	FOUND							
7	84	74	2:28	1	0.561	A BB	9328.	4.850 UG/L	0.91
8	43	74	2:28	1	0.561	A BB	823.	1.311 UG/L	0.25
9	76	99	3:18	1	0.750	A BB	1370.	0.568 UG/L	0.11
10	96	118	3:56	1	0.894	A BB	59915.	43.473 UG/L	8.15
11	63	154	5:08	1	1.167	A BB	1348.	0.534 UG/L	0.10
12	96	178	5:56	1	1.348	A BB	568.	0.392 UG/L	0.07
13	83	206	6:52	1	1.561	A BB	1770.	0.633 UG/L	0.12
14	62	231	7:42	1	1.750	A BB	817.	0.503 UG/L	0.09
15	114	486	16:12	15	1.000	A BB	150110.	50.000 UG/L	9.37
16	NOT	FOUND							
17	NOT	FOUND							
18	117	290	9:40	15	0.597	A BB	254.	0.133 UG/L	0.02
19	NOT	FOUND							
20	NOT	FOUND							
21	63	357	11:54	15	0.735	A*BB	719.	0.347 UG/L	0.07
22	NOT	FOUND							
23	130	387	12:54	15	0.796	A BB	61340.	38.850 UG/L	7.28
24	NOT	FOUND							
25	NOT	FOUND							
26	78	400	13:20	15	0.823	A BB	119721.	40.512 UG/L	7.60
27	NOT	FOUND							
28	NOT	FOUND							
29	NOT	FOUND							
30	117	636	21:12	30	1.000	A BB	156551.	50.000 UG/L	9.37
31	98	598	19:56	30	0.940	A BB	195869.	50.004 UG/L	9.37
32	95	754	25:08	30	1.186	A BB	125111.	51.175 UG/L	9.59
33	NOT	FOUND							
34	NOT	FOUND							
35	164	568	18:56	30	0.893	A BB	653.	0.421 UG/L	0.08
36	NOT	FOUND							
37	92	604	20:08	30	0.950	A BB	100446.	41.291 UG/L	7.74
38	112	639	21:18	30	1.005	A BB	131566.	40.938 UG/L	7.68
39	106	692	23:04	30	1.088	A VB	2700.	1.775 UG/L	0.33
40	104	787	26:14	30	1.237	A BB	2917.	1.079 UG/L	0.20
41	106	812	27:04	30	1.277	A VB	9818.	6.204 UG/L	1.16
42	146	895	29:50	30	1.407	A BB	2419.	1.116 UG/L	0.21
43	NOT	FOUND							
44	146	931	31:02	30	1.464	A BV	4774.	1.666 UG/L	0.31

1A

VOLATILE ORGANICS ANALYSIS SHEET

CLIENT SAMPLE NO. 204

L.E. CARPENTER MW-5MSD

Lab Name: Roy F. Weston, Inc. Work Order: 3600-04-51-0000

Client: WSI-LE CARPENTER

Matrix: WATER

Lab Sample ID: 9006L734-005 MSD

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: P062005

Level: (low/med) LOW

Date Received: 06/14/90

% Moisture: not dec. _____

Date Analyzed: 06/20/90

Column: (pack/cap) PACK

Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

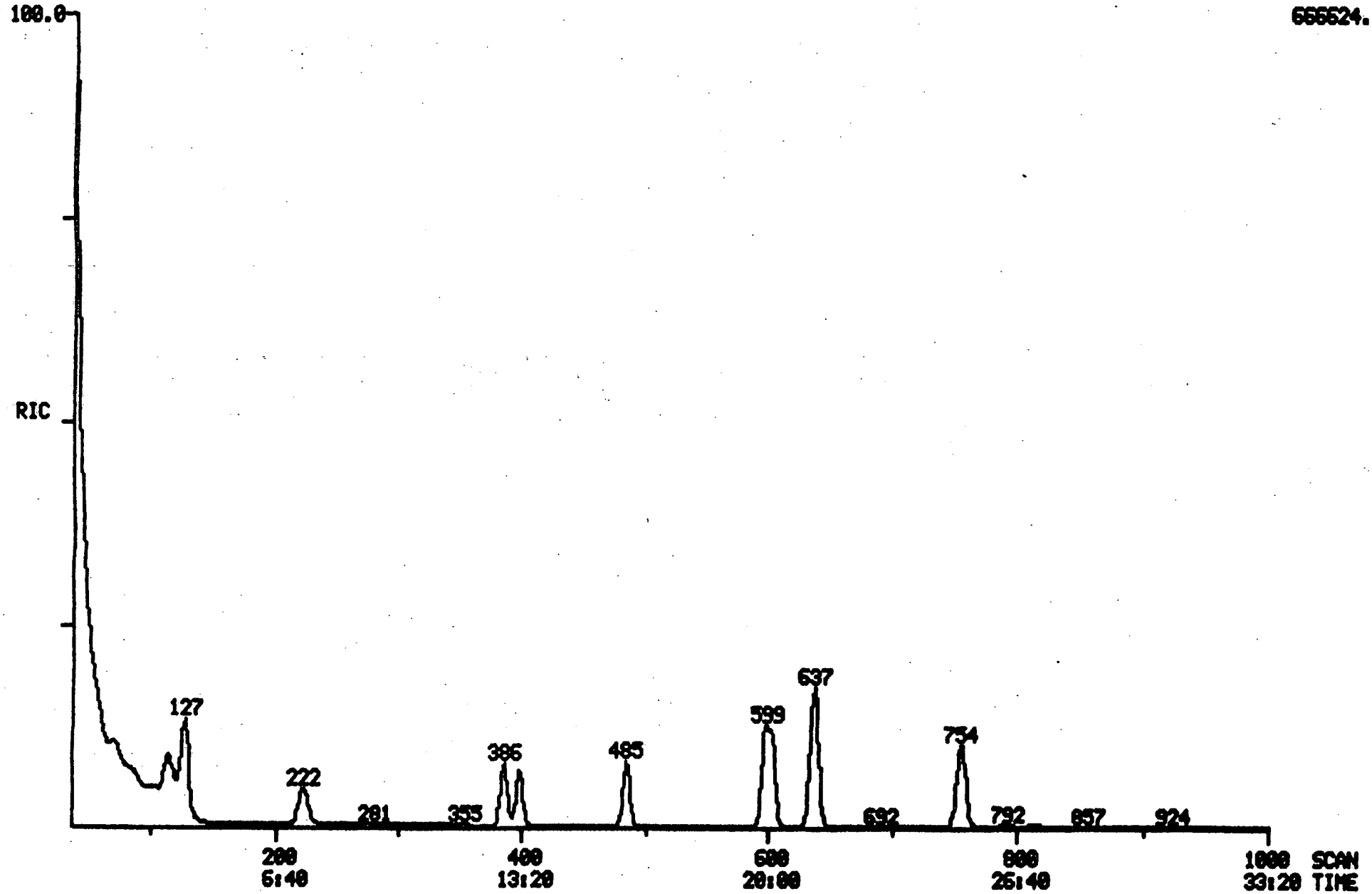
CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	5	B
75-35-4	1,1-Dichloroethene		S
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene		S
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene		S
10061-02-6	Trans-1,3-Dichloropropene	5	U
110-75-8	2-chloroethylvinylether	10	U
75-25-2	Bromoform	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene		S
108-90-7	Chlorobenzene		S
100-41-4	Ethylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U

S: SPIKE COMPOUND

RIC
06/20/90 11:10:00
SAMPLE: 9006L734-005T WESTON SERVICES
CONDS.: GC#1/1050P
RANGE: G 1,1000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: P062005 #1
CALI: P062005 #2

SCANS 35 TO 1000



Quantitation Report File: P062005

Data: P062005.TI
06/20/90 11:10:00
Sample: 9006L734-005T WESTON SERVICES
Conds.: GC#1/1050P
Formula: P062002 Instrument: 1050P Weight: 0.000
Submitted by: P062001 Analyst: CAB Acct. No.: 062090

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name	
1	IS1	BROMOCHLOROMETHANE
2	SS1	1,2-DICHLOROETHANE D4
3	45V	CHLOROMETHANE
4	46V	BROMOMETHANE
5	88V	VINYL CHLORIDE
6	16V	CHLOROETHANE
7	44V	METHYLENE CHLORIDE
8	13H	ACETONE
9	15H	CARBON DISULFIDE
10	29V	1,1-DICHLOROETHYLENE
11	13V	1,1-DICHLOROETHANE
12		1,2-DICHLOROETHENE (TOTAL)
13	23V	CHLOROFORM
14	10V	1,2-DICHLOROETHANE
15	IS2	1,4-DIFLUOROBENZENE
16	14H	2-BUTANONE
17	11V	1,1,1-TRICHLOROETHANE
18	6V	CARBON TETRACHLORIDE
19	19H	VINYL ACETATE
20	48V	BROMODICHLOROMETHANE
21	32V	1,2-DICHLOROPROPANE
22	33VC	CIS-1,3-DICHLOROPROPENE
23		TRICHLOROETHYLENE
24	51V	DIBROMOCHLOROMETHANE
25	14V	1,1,2-TRICHLOROETHANE
26	4V	BENZENE
27	33VT	TRANS-1,3-DICHLOROPROPENE
28	19V	2-CHLOROETHYL VINYL ETHER
29	47V	BROMOFORM
30	IS3	CHLOROBENZENE D5
31	SS2	TOLUENE D8
32	SS3	4-BROMOFLUOROBENZENE
33	17H	4-METHYL-2-PENTANONE
34	16H	2-HEXANONE
35	85V	TETRACHLOROETHYLENE
36	15V	1,1,2,2-TETRACHLOROETHANE
37	86V	TOLUENE
38	7V	CHLOROBENZENE
39	38V	ETHYLBENZENE
40	18H	STYRENE
41	20H	XYLENES (TOTAL)
42	26B	1,3-DICHLOROBENZENE
43	25B	1,2-DICHLOROBENZENE
44	27B	1,4-DICLOROBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	127	4:14	1	1.000	A BB	67535.	50.000 UG/L	9.11
2	65	222	7:24	1	1.748	A BB	80135.	55.742 UG/L	10.16
3	NOT	FOUND							
4	NOT	FOUND							
5	NOT	FOUND							
6	NOT	FOUND							
7	84	70	2:20	1	0.551	A BB	9356.	4.987 UG/L	0.91
8	43	73	2:26	1	0.575	A BB	974.	1.590 UG/L	0.29
9	NOT	FOUND							
10	96	114	3:48	1	0.898	A BB	55875.	41.561 UG/L	7.58
11	63	147	4:54	1	1.157	A BB	1569.	0.637 UG/L	0.12
12	NOT	FOUND							
13	83	201	6:42	1	1.583	A BB	1405.	0.515 UG/L	0.09
14	62	226	7:32	1	1.780	A BB	886.	0.559 UG/L	0.10
15	114	485	16:10	15	1.000	A BB	134727.	50.000 UG/L	9.11
16	NOT	FOUND							
17	NOT	FOUND							
18	NOT	FOUND							
19	NOT	FOUND							
20	NOT	FOUND							
21	63	355	11:50	15	0.732	A BB	779.	0.419 UG/L	0.08
22	NOT	FOUND							
23	130	385	12:50	15	0.794	A BB	62177.	43.877 UG/L	8.00
24	NOT	FOUND							
25	NOT	FOUND							
26	78	398	13:16	15	0.821	A BB	120641.	45.484 UG/L	8.29
27	NOT	FOUND							
28	NOT	FOUND							
29	NOT	FOUND							
30	117	635	21:10	30	1.000	A BB	140132.	50.000 UG/L	9.11
31	98	598	19:56	30	0.942	A BB	181395.	51.735 UG/L	9.43
32	95	754	25:08	30	1.187	A BB	113191.	51.724 UG/L	9.43
33	NOT	FOUND							
34	43	556	18:32	30	0.876	A BB	288.	0.294 UG/L	0.05
35	164	568	18:56	30	0.894	A BB	461.	0.332 UG/L	0.06
36	NOT	FOUND							
37	92	603	20:06	30	0.950	A BB	102717.	47.172 UG/L	8.60
38	112	639	21:18	30	1.006	A BB	135234.	47.010 UG/L	8.57
39	106	692	23:04	30	1.090	A BB	1217.	0.894 UG/L	0.16
40	104	786	26:12	30	1.238	A BB	1311.	0.542 UG/L	0.10
41	106	813	27:06	30	1.280	A BB	3146.	2.221 UG/L	0.40
42	146	898	29:56	30	1.414	A BB	1612.	0.831 UG/L	0.15
43	NOT	FOUND							
44	146	934	31:08	30	1.471	A VB	1155.	0.450 UG/L	0.08

END OF DATA PACKAGE