ENVISION
ENVIRONMENTAL, INC.

APPENDIX 2

Laboratory Analytical Report

SEVERN TRENT SERVICES

STL Edison
777 New Durham Road
Edison, NJ 08817
Tel: 732-549-3900
Fax: 732-549-3679
www.stl-inc.com

November 17, 2000

Hydro-Geo Corporation
719 Route 206
Suite 106
Belle Mead, NJ 08502

Attention: Mr. Stephen Laney

Re: F104 - Rexam DSI

Dear Mr. Laney:

Enclosed are the results you requested for the following sample(s) received at our laboratory on October 27, 2000:

Lab No.	Client ID	Analysis Required
237812	EB-1_6-12	PP VOA+15 PP BN+15 PP Metals
237813	EB-2_Catch_Basin	PP VOA+15 PP BN+15 PP Metals
237814	EB-3_16-16.5	PP VOA+15 PP BN+15 PCBs PP Metals
237815	EB-4_1.5-2	PP VOA+15 PP BN+15 PCBs PP Metals

SEVERN TRENT SERVICES

Lab No.	Client ID	Analysis Required
237816	EB-5_1.2-1.7	PP VOA+15 PP BN+15
237817	EB-6_Outfall	PP VOA+15 PP BN+15
237818	TPE-1	PP VOA+15 PP BN+15
237819	TPE-2	PP VOA+15 PP BN+15
237820	TPE-3	PP VOA+15 PP BN+15 PCBs PP Metals
237821	MW-1	PP VOA+15 PP BN+15 PP Metals
237822	PZ-2	PP VOA+15 PP BN+15 PP Metals
237823	Trip_Blank-1	PP VOA+15
237824	Field_Blank-1025	PP VOA+15 PP BN+15 PP Metals
237825	RC-1_2nd_Flr	PP VOA+15 PP BN+15 PCBs
237826	RC-2_3rd_Flr	PP VOA+15 PP BN+15 PCBs

SEVERN TRENT SERVICES

Lab No.	Client ID	Analysis Required
237827	RC-3_3rd_Flr	PP VOA+15 PP BN+15 PCBs
237828	RC-4_4th_Flr	PP VOA+15 PP BN+15 PCBs
237829	ES-1_ElShaft_4th	PP VOA+15 PP BN+15 PCBs
237830	Trip_Blank-2	PP VOA+15
237831	Field_Blank-1026	PP VOA+15 PP BN+15 PCBs
237839	EB-4_16-16.5	PP VOA+15 PP BN+15 PCBs PP Metals

If you have any questions please contact your Project Manager, Kim Norton, at (732) 549-3900.

Very truly yours,

Michael J. Urban
Laboratory Manager

SEVERN TRENT SERVICES

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SEVERN TRENT SERVICES

Client ID: **EB-1_6-12**
Site: Rexam DSI

Lab Sample No: **237812**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/29/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10441.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 15

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.8
Bromomethane	ND	5.8
Vinyl Chloride	ND	5.8
Chloroethane	ND	5.8
Methylene Chloride	0.8JB	3.5
Trichlorofluoromethane	ND	5.8
1,1-Dichloroethene	ND	2.3
1,1-Dichloroethane	ND	5.8
trans-1,2-Dichloroethene	ND	5.8
cis-1,2-Dichloroethene	ND	5.8
Chloroform	ND	5.8
1,2-Dichloroethane	ND	2.3
1,1,1-Trichloroethane	ND	5.8
Carbon Tetrachloride	ND	2.3
Bromodichloromethane	ND	1.2
1,2-Dichloropropane	ND	1.2
cis-1,3-Dichloropropene	ND	5.8
Trichloroethene	ND	1.2
Dibromochloromethane	ND	5.8
1,1,2-Trichloroethane	ND	3.5
Benzene	0.9J	1.2
trans-1,3-Dichloropropene	ND	5.8
2-Chloroethyl Vinyl Ether	ND	5.8
Bromoform	ND	4.7
Tetrachloroethene	ND	1.2
1,1,2,2-Tetrachloroethane	ND	1.2
Toluene	3.3J	5.8
Chlorobenzene	ND	5.8
Ethylbenzene	ND	4.7
Xylene (Total)	3.6J	5.8

SEVERN TRENT SERVICES

Client ID: **EB-1_6-12**
Site: Rexam DSI

Lab Sample No: **237812**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/29/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10441.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 15.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown	3.93	16	
2.	Cyclohexane, methyl-	10.85	8.5	
3.	Unknown Siloxane	16.87	16	
4.				
5.				
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TOTAL ESTIMATED CONCENTRATION 40

SEVERN TRENT SERVICES

Client ID: **EB-1_6-12**
Site: Rexam DSI

Lab Sample No: **237812**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3255.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 15

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	390
bis(2-Chloroethyl)ether	ND	39
1,3-Dichlorobenzene	ND	390
1,4-Dichlorobenzene	ND	390
1,2-Dichlorobenzene	ND	390
bis(2-chloroisopropyl)ether	ND	390
N-Nitroso-di-n-propylamine	ND	39
Hexachloroethane	ND	39
Nitrobenzene	ND	39
Isophorone	ND	390
bis(2-Chloroethoxy)methane	ND	390
1,2,4-Trichlorobenzene	ND	39
Naphthalene	ND	390
Hexachlorobutadiene	ND	78
Hexachlorocyclopentadiene	ND	390
2-Chloronaphthalene	ND	390
Dimethylphthalate	ND	390
Acenaphthylene	ND	390
2,6-Dinitrotoluene	ND	78
Acenaphthene	ND	390
2,4-Dinitrotoluene	ND	78
Diethylphthalate	ND	390
4-Chlorophenyl-phenylether	ND	390
Fluorene	ND	390
N-Nitrosodiphenylamine	ND	390
4-Bromophenyl-phenylether	ND	390
Hexachlorobenzene	ND	39
Phenanthrene	63 J	390
Anthracene	ND	390
Di-n-butylphthalate	ND	390
Fluoranthene	42 J	390
Pyrene	43 J	390
Benzidine	ND	1600
Butylbenzylphthalate	ND	390

SEVERN TRENT SERVICES

Client ID: **EB-1_6-12**
Site: Rexam DSI

Lab Sample No: **237812**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3255.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 15

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	780
Benzo(a)anthracene	ND	39
Chrysene	70 J	390
bis(2-Ethylhexyl)phthalate	ND	390
Di-n-octylphthalate	ND	390
Benzo(b)fluoranthene	30 J	39
Benzo(k)fluoranthene	ND	39
Benzo(a)pyrene	8.8J	39
Indeno(1,2,3-cd)pyrene	ND	39
Dibenz(a,h)anthracene	ND	39
Benzo(g,h,i)perylene	8.9J	390

SEVERN TRENT SERVICES

Client ID: **EB-1_6-12**
Site: Rexam DSI

Lab Sample No: **237812**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3255.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 15.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C16H14 PAH	22.52	400	
2.				
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TOTAL ESTIMATED CONCENTRATION 400

SEVERN TRENT SERVICES

Client ID: **EB-1 6-12**
Site: **Rexam DSI**

Lab Sample No: 237812
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00

Matrix: SOLID
Level: LOW
% Moisture: 15.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	9.9	0.75		P
Beryllium	0.59	0.071		P
Cadmium	ND	0.094		P
Chromium	6.4	0.38		P
Copper	12.2	0.87	*	P
Lead	9.6	0.54	*	P
Mercury	0.04	0.020	B	CV
Nickel	41.1	0.38		P
Selenium	ND	0.99		P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	17.5	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

SEVERN TRENT SERVICES

Client ID: **EB-2_Catch_Basin**
Site: Rexam DSI

Lab Sample No: **237813**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/29/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10454.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.4 g
Purge Volume: 5.0 ml
% Moisture: 16

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.5
Bromomethane	ND	5.5
Vinyl Chloride	ND	5.5
Chloroethane	ND	5.5
Methylene Chloride	ND	3.3
Trichlorofluoromethane	ND	5.5
1,1-Dichloroethene	ND	2.2
1,1-Dichloroethane	ND	5.5
trans-1,2-Dichloroethene	ND	5.5
cis-1,2-Dichloroethene	ND	5.5
Chloroform	ND	5.5
1,2-Dichloroethane	ND	2.2
1,1,1-Trichloroethane	ND	5.5
Carbon Tetrachloride	ND	2.2
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	5.5
Trichloroethene	ND	1.1
Dibromochloromethane	ND	5.5
1,1,2-Trichloroethane	ND	3.3
Benzene	0.9J	1.1
trans-1,3-Dichloropropene	ND	5.5
2-Chloroethyl Vinyl Ether	ND	5.5
Bromoform	ND	4.4
Tetrachloroethene	ND	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	1.4J	5.5
Chlorobenzene	ND	5.5
Ethylbenzene	ND	4.4
Xylene (Total)	0.6J	5.5

SEVERN TRENT SERVICES

Client ID: **EB-2_Catch_Basin**
Site: Rexam DSI

Lab Sample No: **237813**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/29/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10454.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.4 g
Purge Volume: 5.0 ml
% Moisture: 16.3

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Hexanal	12.92	7.5	
2.				
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TOTAL ESTIMATED CONCENTRATION: 7.5

SEVERN TRENT SERVICES

Client ID: **EB-2_Catch_Basin**
Site: Rexam DSI

Lab Sample No: **237813**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3259.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 16

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	400
bis(2-Chloroethyl)ether	ND	40
1,3-Dichlorobenzene	ND	400
1,4-Dichlorobenzene	ND	400
1,2-Dichlorobenzene	ND	400
bis(2-chloroisopropyl)ether	ND	400
N-Nitroso-di-n-propylamine	ND	40
Hexachloroethane	ND	40
Nitrobenzene	ND	40
Isophorone	ND	400
bis(2-Chloroethoxy)methane	ND	400
1,2,4-Trichlorobenzene	ND	40
Naphthalene	ND	400
Hexachlorobutadiene	ND	80
Hexachlorocyclopentadiene	ND	400
2-Chloronaphthalene	ND	400
Dimethylphthalate	ND	400
Acenaphthylene	12 J	400
2,6-Dinitrotoluene	ND	80
Acenaphthene	12 J	400
2,4-Dinitrotoluene	ND	80
Diethylphthalate	ND	400
4-Chlorophenyl-phenylether	ND	400
Fluorene	23 J	400
N-Nitrosodiphenylamine	ND	400
4-Bromophenyl-phenylether	ND	400
Hexachlorobenzene	ND	40
Phenanthrene	160 J	400
Anthracene	31 J	400
Di-n-butylphthalate	95 J	400
Fluoranthene	350 J	400
Pyrene	360 J	400
Benzidine	ND	1600
Butylbenzylphthalate	ND	400

SEVERN TRENT SERVICES

Client ID: **EB-2_Catch_Basin**
Site: Rexam DSI

Lab Sample No: **237813**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3259.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 16

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	800
Benzo(a)anthracene	160	40
Chrysene	300 J	400
bis(2-Ethylhexyl)phthalate	450	400
Di-n-octylphthalate	280 J	400
Benzo(b)fluoranthene	380	40
Benzo(k)fluoranthene	200	40
Benzo(a)pyrene	160	40
Indeno(1,2,3-cd)pyrene	68	40
Dibenz(a,h)anthracene	ND	40
Benzo(g,h,i)perylene	69 J	400

SEVERN TRENT SERVICES

Client ID: **EB-2_Catch_Basin**
Site: Rexam DSI

Lab Sample No: **237813**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3259.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 16.3

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Alkane	22.66	4100	
2.	Unknown Alkane	24.39	7000	
3.	Unknown	24.39	8000	
4.	Unknown Alkane	24.92	3900	
5.	Unknown Alkane	26.32	7500	
6.	Unknown	27.37	7400	
7.	Unknown	27.58	7400	
8.	Unknown Alkane	28.22	17000	
9.	Unknown	30.07	8900	
10.	Unknown Alkane	30.95	16000	
11.	Vitamin E	31.68	11000	
12.	Unknown Alkane/Unknown	33.39	14000	
13.	.beta.-Amyrin	37.32	7400	
14.	Unknown	37.54	5600	
15.	Unknown	38.61	12000	
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TOTAL ESTIMATED CONCENTRATION 137200

SEVERN TRENT SERVICES

Client ID: **EB-2 Catch Basin**
Site: **Rexam DSI**

Lab Sample No: 237813
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00

Matrix: SOLID
Level: LOW
% Moisture: 16.3

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.4	N	P
Arsenic	0.87	0.76	B	P
Beryllium	0.20	0.072	B	P
Cadmium	ND	0.096		P
Chromium	14.0	0.38		P
Copper	15.3	0.88	*	P
Lead	12.4	0.55	*	P
Mercury	ND	0.020		CV
Nickel	8.7	0.38	B	P
Selenium	ND	1.0		P
Silver	ND	0.33		P
Thallium	ND	1.1		P
Zinc	259	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

SEVERN TRENT SERVICES

Client ID: **EB-3_16-16.5**
Site: Rexam DSI

Lab Sample No: **237814**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/29/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10455.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 23

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	6.5
Bromomethane	ND	6.5
Vinyl Chloride	ND	6.5
Chloroethane	ND	6.5
Methylene Chloride	1.5JB	3.9
Trichlorofluoromethane	3.7J	6.5
1,1-Dichloroethene	ND	2.6
1,1-Dichloroethane	ND	6.5
trans-1,2-Dichloroethene	ND	6.5
cis-1,2-Dichloroethene	ND	6.5
Chloroform	ND	6.5
1,2-Dichloroethane	ND	2.6
1,1,1-Trichloroethane	ND	6.5
Carbon Tetrachloride	ND	2.6
Bromodichloromethane	ND	1.3
1,2-Dichloropropane	ND	1.3
cis-1,3-Dichloropropene	ND	6.5
Trichloroethene	ND	1.3
Dibromochloromethane	ND	6.5
1,1,2-Trichloroethane	ND	3.9
Benzene	19	1.3
trans-1,3-Dichloropropene	ND	6.5
2-Chloroethyl Vinyl Ether	ND	6.5
Bromoform	ND	5.2
Tetrachloroethene	ND	1.3
1,1,2,2-Tetrachloroethane	ND	1.3
Toluene	18	6.5
Chlorobenzene	ND	6.5
Ethylbenzene	1.8J	5.2
Xylene (Total)	31	6.5

SEVERN TRENT SERVICES

Client ID: **EB-3_16-16.5**
Site: Rexam DSI

Lab Sample No: **237814**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/29/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10455.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 23.1

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Hexanal	12.92	30	
2.	Trimethylbenzene isomer	15.42	21	
3.	Trimethylbenzene isomer	15.83	28	
4.	2,3-dihydro-1H-Indene/C10H14 Aromatic	16.56	11	
5.	C9H8 Aromatic	16.81	15	
6.	Unknown Aromatic	17.41	12	
7.	Unknown Aromatic	17.54	6.8	
8.	Naphthalene	18.85	280	
9.	Benzothiophene Isomer	19.01	13	
10.	Methylnaphthalene isomer	20.32	9.1	
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TOTAL ESTIMATED CONCENTRATION 426

SEVERN TRENT SERVICES

Client ID: **EB-3_16-16.5**
Site: Rexam DSI

Lab Sample No: **237814**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 11/01/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3292.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 23

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	2200
bis(2-Chloroethyl)ether	ND	220
1,3-Dichlorobenzene	ND	2200
1,4-Dichlorobenzene	ND	2200
1,2-Dichlorobenzene	ND	2200
bis(2-chloroisopropyl)ether	ND	2200
N-Nitroso-di-n-propylamine	ND	220
Hexachloroethane	ND	220
Nitrobenzene	ND	220
Isophorone	ND	2200
bis(2-Chloroethoxy)methane	ND	2200
1,2,4-Trichlorobenzene	ND	220
Naphthalene	2300	2200
Hexachlorobutadiene	ND	430
Hexachlorocyclopentadiene	ND	2200
2-Chloronaphthalene	ND	2200
Dimethylphthalate	ND	2200
Acenaphthylene	850 J	2200
2,6-Dinitrotoluene	ND	430
Acenaphthene	250 J	2200
2,4-Dinitrotoluene	ND	430
Diethylphthalate	ND	2200
4-Chlorophenyl-phenylether	ND	2200
Fluorene	850 J	2200
N-Nitrosodiphenylamine	ND	2200
4-Bromophenyl-phenylether	ND	2200
Hexachlorobenzene	ND	220
Phenanthrene	12000	2200
Anthracene	770 J	2200
Di-n-butylphthalate	ND	2200
Fluoranthene	12000	2200
Pyrene	9200	2200
Benzidine	ND	8700
Butylbenzylphthalate	ND	2200

SEVERN TRENT SERVICES

Client ID: **EB-3_16-16.5**
Site: Rexam DSI

Lab Sample No: **237814**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 11/01/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3292.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 23

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	4300
Benzo(a)anthracene	3200	220
Chrysene	3700	2200
bis(2-Ethylhexyl)phthalate	ND	2200
Di-n-octylphthalate	ND	2200
Benzo(b)fluoranthene	4000	220
Benzo(k)fluoranthene	1700	220
Benzo(a)pyrene	2800	220
Indeno(1,2,3-cd)pyrene	1300	220
Dibenz(a,h)anthracene	260	220
Benzo(g,h,i)perylene	1400 J	2200

SEVERN TRENT SERVICES

Client ID: **EB-3_16-16.5**
Site: Rexam DSI

Lab Sample No: **237814**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 11/01/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3292.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 23.1

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. 5-Pentyl-1,3-benzenediol	20.22	2300	
2. Unknown Alkane	23.75	2000	
3. Unknown Alkane	24.32	3100	
4. Unknown Alkane	24.89	5500	
5. Unknown Alkane	25.52	4100	
6. Unknown	25.97	2300	
7. Unknown Alkane	26.25	3600	
8. Unknown Alkane	27.10	3300	
9. Unknown Alkane	28.11	4500	
10. C20H12 PAH	28.62	2600	
11. Unknown Alkane	29.32	2400	
12. Unknown	31.16	2600	
13. Unknown Alkane/Unknown	32.56	3800	
14. Unknown Sterol	35.80	2700	
15. Unknown	37.09	3700	
16.			
17.			
18.			
19.			
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30.			

TOTAL ESTIMATED CONCENTRATION 48500

SEVERN TRENT SERVICES

Client ID: **EB-3_16-16.5**
Site: Rexam DSI

Lab Sample ID: **237814**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/29/00
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC5.i
Front File ID: pf026321.d
Rear File ID: pr026321.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 23

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	87	R
Aroclor-1221	ND	87	R
Aroclor-1232	ND	87	R
Aroclor-1242	ND	87	R
Aroclor-1248	ND	87	R
Aroclor-1254	ND	87	R
Aroclor-1260	ND	87	R
Aroclor-1262	ND	87	R
Aroclor-1268	ND	87	R

SEVERN TRENT SERVICES

Client ID: **EB-3 16-16.5**
Site: **Rexam DSI**

Lab Sample No: 237814
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00

Matrix: SOLID
Level: LOW
% Moisture: 23.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.5	N	P
Arsenic	5.1	0.83		P
Beryllium	0.29	0.078	B	P
Cadmium	ND	0.10		P
Chromium	5.7	0.42		P
Copper	35.5	0.96	*	P
Lead	33.3	0.60	*	P
Mercury	0.34	0.022		CV
Nickel	13.7	0.42		P
Selenium	ND	1.1		P
Silver	ND	0.36		P
Thallium	ND	1.2		P
Zinc	170	1.5		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

SEVERN TRENT SERVICES

Client ID: **EB-4_1.5-2**
Site: Rexam DSI

Lab Sample No: **237815**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10463.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.8 g
Purge Volume: 5.0 ml
% Moisture: 8

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.6
Bromomethane	ND	4.6
Vinyl Chloride	ND	4.6
Chloroethane	ND	4.6
Methylene Chloride	ND	2.8
Trichlorofluoromethane	ND	4.6
1,1-Dichloroethene	ND	1.9
1,1-Dichloroethane	ND	4.6
trans-1,2-Dichloroethene	ND	4.6
cis-1,2-Dichloroethene	ND	4.6
Chloroform	ND	4.6
1,2-Dichloroethane	ND	1.9
1,1,1-Trichloroethane	ND	4.6
Carbon Tetrachloride	ND	1.9
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.6
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.6
1,1,2-Trichloroethane	ND	2.8
Benzene	ND	0.9
trans-1,3-Dichloropropene	ND	4.6
2-Chloroethyl Vinyl Ether	ND	4.6
Bromoform	ND	3.7
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	0.6J	4.6
Chlorobenzene	ND	4.6
Ethylbenzene	ND	3.7
Xylene (Total)	ND	4.6

SEVERN TRENT SERVICES

Client ID: **EB-4_1.5-2**
Site: Rexam DSI

Lab Sample No: **237815**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10463.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.8 g
Purge Volume: 5.0 ml
% Moisture: 7.9

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Alkane	3.94	6.8	
2.	2,3-dihydro-methyl-1H-Indene isomer/Un	18.05	5.1	
3.				
4.				
5.				
6.				
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TOTAL ESTIMATED CONCENTRATION 12

SEVERN TRENT SERVICES

Client ID: **EB-4_1.5-2**
Site: Rexam DSI

Lab Sample No: **237815**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3269.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 8

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	360
bis(2-Chloroethyl)ether	ND	36
1,3-Dichlorobenzene	ND	360
1,4-Dichlorobenzene	ND	360
1,2-Dichlorobenzene	ND	360
bis(2-chloroisopropyl)ether	ND	360
N-Nitroso-di-n-propylamine	ND	36
Hexachloroethane	ND	36
Nitrobenzene	ND	36
Isophorone	ND	360
bis(2-Chloroethoxy)methane	ND	360
1,2,4-Trichlorobenzene	ND	36
Naphthalene	71 J	360
Hexachlorobutadiene	ND	72
Hexachlorocyclopentadiene	ND	360
2-Chloronaphthalene	ND	360
Dimethylphthalate	ND	360
Acenaphthylene	290 J	360
2,6-Dinitrotoluene	ND	72
Acenaphthene	54 J	360
2,4-Dinitrotoluene	ND	72
Diethylphthalate	ND	360
4-Chlorophenyl-phenylether	ND	360
Fluorene	78 J	360
N-Nitrosodiphenylamine	ND	360
4-Bromophenyl-phenylether	ND	360
Hexachlorobenzene	ND	36
Phenanthrene	1000	360
Anthracene	380	360
Di-n-butylphthalate	ND	360
Fluoranthene	2500	360
Pyrene	2600	360
Benzidine	ND	1400
Butylbenzylphthalate	ND	360

SEVERN TRENT SERVICES

Client ID: **EB-4_1.5-2**
Site: Rexam DSI

Lab Sample No: **237815**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3269.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 8

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	720
Benzo(a)anthracene	1300	36
Chrysene	1300	360
bis(2-Ethylhexyl)phthalate	ND	360
Di-n-octylphthalate	ND	360
Benzo(b)fluoranthene	2000	36
Benzo(k)fluoranthene	940	36
Benzo(a)pyrene	1300	36
Indeno(1,2,3-cd)pyrene	490	36
Dibenz(a,h)anthracene	81	36
Benzo(g,h,i)perylene	370	360

SEVERN TRENT SERVICES

Client ID: **EB-4_1.5-2**
Site: Rexam DSI

Lab Sample No: **237815**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3269.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 7.9

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Alkane	19.79	290	
2.	C15H10/C15H12 PAHs	21.79	310	
3.	Unknown Alkane	24.89	430	
4.	Unknown	27.55	330	
5.	C20H12 PAH	28.13	750	
6.	C20H12 PAH	28.67	1400	
7.	C20H12 PAH	29.12	510	
8.	Unknown	29.49	310	
9.	Unknown Alkane	30.83	470	
10.	Unknown	31.22	1100	
11.	Unknown	32.61	710	
12.	Unknown	33.61	520	
13.				
14.				
15.				
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27.				
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30.				

TOTAL ESTIMATED CONCENTRATION	7130

SEVERN TRENT SERVICES

Client ID: **EB-4_1.5-2**
Site: Rexam DSI

Lab Sample ID: **237815**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/29/00
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC5.i
Front File ID: pf026322.d
Rear File ID: pr026322.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 8

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	73	R
Aroclor-1221	ND	73	R
Aroclor-1232	ND	73	R
Aroclor-1242	ND	73	R
Aroclor-1248	ND	73	R
Aroclor-1254	ND	73	R
Aroclor-1260	ND	73	R
Aroclor-1262	ND	73	R
Aroclor-1268	ND	73	R

SEVERN TRENT SERVICES

Client ID: **EB-4 1.5-2**
Site: **Rexam DSI**

Lab Sample No: 237815
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00

Matrix: SOLID
Level: LOW
% Moisture: 7.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.1	N	P
Arsenic	2.2	0.63		P
Beryllium	0.21	0.059	B	P
Cadmium	ND	0.079		P
Chromium	5.5	0.32		P
Copper	15.7	0.73	*	P
Lead	21.8	0.45	*	P
Mercury	0.07	0.018		CV
Nickel	5.4	0.32	B	P
Selenium	ND	0.83		P
Silver	ND	0.28		P
Thallium	ND	0.93		P
Zinc	38.5	1.1		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

SEVERN TRENT SERVICES

Client ID: **EB-5_1.2-1.7**
Site: Rexam DSI

Lab Sample No: **237816**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10464.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.7 g
Purge Volume: 5.0 ml
% Moisture: 10

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.9
Bromomethane	ND	4.9
Vinyl Chloride	ND	4.9
Chloroethane	ND	4.9
Methylene Chloride	ND	2.9
Trichlorofluoromethane	1.0J	4.9
1,1-Dichloroethene	ND	1.9
1,1-Dichloroethane	ND	4.9
trans-1,2-Dichloroethene	ND	4.9
cis-1,2-Dichloroethene	ND	4.9
Chloroform	ND	4.9
1,2-Dichloroethane	ND	1.9
1,1,1-Trichloroethane	ND	4.9
Carbon Tetrachloride	ND	1.9
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	4.9
Trichloroethene	ND	1.0
Dibromochloromethane	ND	4.9
1,1,2-Trichloroethane	ND	2.9
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	4.9
2-Chloroethyl Vinyl Ether	ND	4.9
Bromoform	ND	3.9
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	0.7J	4.9
Chlorobenzene	ND	4.9
Ethylbenzene	ND	3.9
Xylene (Total)	ND	4.9

SEVERN TRENT SERVICES

Client ID: **EB-5_1.2-1.7**
Site: Rexam DSI

Lab Sample No: **237816**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10464.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.7 g
Purge Volume: 5.0 ml
% Moisture: 10.3

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION: 0.0

SEVERN TRENT SERVICES

Client ID: **EB-5_1.2-1.7**
Site: Rexam DSI

Lab Sample No: **237816**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3254.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	370
bis(2-Chloroethyl)ether	ND	37
1,3-Dichlorobenzene	ND	370
1,4-Dichlorobenzene	ND	370
1,2-Dichlorobenzene	ND	370
bis(2-chloroisopropyl)ether	ND	370
N-Nitroso-di-n-propylamine	ND	37
Hexachloroethane	ND	37
Nitrobenzene	ND	37
Isophorone	ND	370
bis(2-Chloroethoxy)methane	ND	370
1,2,4-Trichlorobenzene	ND	37
Naphthalene	15 J	370
Hexachlorobutadiene	ND	74
Hexachlorocyclopentadiene	ND	370
2-Chloronaphthalene	ND	370
Dimethylphthalate	ND	370
Acenaphthylene	39 J	370
2,6-Dinitrotoluene	ND	74
Acenaphthene	ND	370
2,4-Dinitrotoluene	ND	74
Diethylphthalate	ND	370
4-Chlorophenyl-phenylether	ND	370
Fluorene	ND	370
N-Nitrosodiphenylamine	ND	370
4-Bromophenyl-phenylether	ND	370
Hexachlorobenzene	ND	37
Phenanthrene	78 J	370
Anthracene	26 J	370
Di-n-butylphthalate	ND	370
Fluoranthene	290 J	370
Pyrene	350 J	370
Benzidine	ND	1500
Butylbenzylphthalate	ND	370

SEVERN TRENT SERVICES

Client ID: **EB-5_1.2-1.7**
Site: Rexam DSI

Lab Sample No: **237816**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3254.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 10

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	740
Benzo(a)anthracene	240	37
Chrysene	180 J	370
bis(2-Ethylhexyl)phthalate	ND	370
Di-n-octylphthalate	ND	370
Benzo(b)fluoranthene	220	37
Benzo(k)fluoranthene	110	37
Benzo(a)pyrene	180	37
Indeno(1,2,3-cd)pyrene	74	37
Dibenz(a,h)anthracene	19 J	37
Benzo(g,h,i)perylene	88 J	370

SEVERN TRENT SERVICES

Client ID: **EB-5_1.2-1.7**
Site: Rexam DSI

Lab Sample No: **237816**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3254.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 10.3

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
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29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

SEVERN TRENT SERVICES

Client ID: **EB-6_Outfall**
Site: Rexam DSI

Lab Sample No: **237817**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10465.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 22

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	6.3
Bromomethane	ND	6.3
Vinyl Chloride	ND	6.3
Chloroethane	ND	6.3
Methylene Chloride	2.5JB	3.8
Trichlorofluoromethane	ND	6.3
1,1-Dichloroethene	ND	2.5
1,1-Dichloroethane	ND	6.3
trans-1,2-Dichloroethene	ND	6.3
cis-1,2-Dichloroethene	ND	6.3
Chloroform	ND	6.3
1,2-Dichloroethane	ND	2.5
1,1,1-Trichloroethane	ND	6.3
Carbon Tetrachloride	ND	2.5
Bromodichloromethane	ND	1.2
1,2-Dichloropropane	ND	1.2
cis-1,3-Dichloropropene	ND	6.3
Trichloroethene	ND	1.2
Dibromochloromethane	ND	6.3
1,1,2-Trichloroethane	ND	3.8
Benzene	1.3	1.2
trans-1,3-Dichloropropene	ND	6.3
2-Chloroethyl Vinyl Ether	ND	6.3
Bromoform	ND	5.0
Tetrachloroethene	ND	1.2
1,1,2,2-Tetrachloroethane	ND	1.2
Toluene	1.5J	6.3
Chlorobenzene	ND	6.3
Ethylbenzene	ND	5.0
Xylene (Total)	ND	6.3

SEVERN TRENT SERVICES

Client ID: **EB-6_Outfall**
Site: Rexam DSI

Lab Sample No: **237817**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10465.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 22.5

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Alkene	3.35	340	
2.	Unknown	3.70	46	
3.	Unknown Alkene	3.97	130	
4.	Unknown Alkene	4.31	48	
5.	C5H12 Alkane	4.91	17	
6.	C5H10 Alkene	5.25	20	
7.	Unknown	5.36	32	
8.	2-Propanone	6.05	17	
9.	Unknown Alkane	6.82	8.8	
10.	2-Butanone	8.58	9.7	
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 668

SEVERN TRENT SERVICES

Client ID: **EB-6_Outfall**
Site: Rexam DSI

Lab Sample No: **237817**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3267.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 5.0 ml
Dilution Factor: 5.0
% Moisture: 22

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	5400
bis(2-Chloroethyl)ether	ND	540
1,3-Dichlorobenzene	ND	5400
1,4-Dichlorobenzene	ND	5400
1,2-Dichlorobenzene	ND	5400
bis(2-chloroisopropyl)ether	ND	5400
N-Nitroso-di-n-propylamine	ND	540
Hexachloroethane	ND	540
Nitrobenzene	ND	540
Isophorone	ND	5400
bis(2-Chloroethoxy)methane	ND	5400
1,2,4-Trichlorobenzene	ND	540
Naphthalene	ND	5400
Hexachlorobutadiene	ND	1100
Hexachlorocyclopentadiene	ND	5400
2-Chloronaphthalene	ND	5400
Dimethylphthalate	ND	5400
Acenaphthylene	ND	5400
2,6-Dinitrotoluene	ND	1100
Acenaphthene	ND	5400
2,4-Dinitrotoluene	ND	1100
Diethylphthalate	ND	5400
4-Chlorophenyl-phenylether	ND	5400
Fluorene	ND	5400
N-Nitrosodiphenylamine	ND	5400
4-Bromophenyl-phenylether	ND	5400
Hexachlorobenzene	ND	540
Phenanthrene	ND	5400
Anthracene	ND	5400
Di-n-butylphthalate	ND	5400
Fluoranthene	ND	5400
Pyrene	ND	5400
Benzidine	ND	22000
Butylbenzylphthalate	ND	5400

SEVERN TRENT SERVICES

Client ID: **EB-6_Outfall**
Site: Rexam DSI

Lab Sample No: **237817**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3267.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 5.0 ml
Dilution Factor: 5.0
% Moisture: 22

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	11000
Benzo(a)anthracene	ND	540
Chrysene	ND	5400
bis(2-Ethylhexyl)phthalate	ND	5400
Di-n-octylphthalate	ND	5400
Benzo(b)fluoranthene	ND	540
Benzo(k)fluoranthene	ND	540
Benzo(a)pyrene	ND	540
Indeno(1,2,3-cd)pyrene	ND	540
Dibenz(a,h)anthracene	ND	540
Benzo(g,h,i)perylene	ND	5400

SEVERN TRENT SERVICES

Client ID: **EB-6_Outfall**
Site: Rexam DSI

Lab Sample No: **237817**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3267.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 5.0 ml
Dilution Factor: 5.0
% Moisture: 22.5

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown	15.95	6600	
2.	Unknown	23.81	9800	
3.	Unknown	25.92	22000	
4.	Unknown	27.71	20000	
5.	Unknown	28.32	14000	
6.	Unknown	28.44	23000	
7.	Unknown	28.79	36000	
8.	Unknown	30.29	46000	
9.	Unknown	31.18	15000	
10.	Unknown	32.51	41000	
11.	Unknown	32.77	26000	
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 259400

SEVERN TRENT SERVICES

Client ID: **TPE-1**
Site: Rexam DSI

Lab Sample No: **237818**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10485.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 7

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.3
Bromomethane	ND	5.3
Vinyl Chloride	ND	5.3
Chloroethane	ND	5.3
Methylene Chloride	ND	3.2
Trichlorofluoromethane	ND	5.3
1,1-Dichloroethene	ND	2.1
1,1-Dichloroethane	ND	5.3
trans-1,2-Dichloroethene	ND	5.3
cis-1,2-Dichloroethene	ND	5.3
Chloroform	ND	5.3
1,2-Dichloroethane	ND	2.1
1,1,1-Trichloroethane	ND	5.3
Carbon Tetrachloride	ND	2.1
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.3
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.3
1,1,2-Trichloroethane	ND	3.2
Benzene	4.1	1.0
trans-1,3-Dichloropropene	ND	5.3
2-Chloroethyl Vinyl Ether	ND	5.3
Bromoform	ND	4.2
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	4.6J	5.3
Chlorobenzene	ND	5.3
Ethylbenzene	0.5J	4.2
Xylene (Total)	1.3J	5.3

SEVERN TRENT SERVICES

Client ID: **TPE-1**
Site: Rexam DSI

Lab Sample No: **237818**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10485.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 6.9

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown	3.95	14	
2.	Hexanal	12.95	11	
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 25

SEVERN TRENT SERVICES

Client ID: **TPE-1**
Site: Rexam DSI

Lab Sample No: **237818**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3256.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 7

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	360
bis(2-Chloroethyl)ether	ND	36
1,3-Dichlorobenzene	ND	360
1,4-Dichlorobenzene	ND	360
1,2-Dichlorobenzene	ND	360
bis(2-chloroisopropyl)ether	ND	360
N-Nitroso-di-n-propylamine	ND	36
Hexachloroethane	ND	36
Nitrobenzene	ND	36
Isophorone	ND	360
bis(2-Chloroethoxy)methane	ND	360
1,2,4-Trichlorobenzene	ND	36
Naphthalene	53 J	360
Hexachlorobutadiene	ND	72
Hexachlorocyclopentadiene	ND	360
2-Chloronaphthalene	ND	360
Dimethylphthalate	ND	360
Acenaphthylene	69 J	360
2,6-Dinitrotoluene	ND	72
Acenaphthene	38 J	360
2,4-Dinitrotoluene	ND	72
Diethylphthalate	ND	360
4-Chlorophenyl-phenylether	ND	360
Fluorene	72 J	360
N-Nitrosodiphenylamine	ND	360
4-Bromophenyl-phenylether	ND	360
Hexachlorobenzene	ND	36
Phenanthrene	800	360
Anthracene	100 J	360
Di-n-butylphthalate	ND	360
Fluoranthene	870	360
Pyrene	700	360
Benzidine	ND	1400
Butylbenzylphthalate	ND	360

SEVERN TRENT SERVICES

Client ID: **TPE-1**
Site: Rexam DSI

Lab Sample No: **237818**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3256.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 7

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	720
Benzo(a)anthracene	310	36
Chrysene	350 J	360
bis(2-Ethylhexyl)phthalate	ND	360
Di-n-octylphthalate	ND	360
Benzo(b)fluoranthene	390	36
Benzo(k)fluoranthene	160	36
Benzo(a)pyrene	260	36
Indeno(1,2,3-cd)pyrene	130	36
Dibenz(a,h)anthracene	22 J	36
Benzo(g,h,i)perylene	160 J	360

SEVERN TRENT SERVICES

Client ID: **TPE-1**
Site: Rexam DSI

Lab Sample No: **237818**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3256.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 6.9

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown	28.19	350	
2.	Unknown	34.27	690	
3.	Unknown	34.95	1000	
4.	Unknown Sterol	35.80	380	
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 2420

SEVERN TRENT SERVICES

Client ID: **TPE-2**
Site: Rexam DSI

Lab Sample No: **237819**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10467.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 28

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	6.7
Bromomethane	ND	6.7
Vinyl Chloride	ND	6.7
Chloroethane	ND	6.7
Methylene Chloride	ND	4.0
Trichlorofluoromethane	1.1J	6.7
1,1-Dichloroethene	ND	2.7
1,1-Dichloroethane	ND	6.7
trans-1,2-Dichloroethene	ND	6.7
cis-1,2-Dichloroethene	ND	6.7
Chloroform	ND	6.7
1,2-Dichloroethane	ND	2.7
1,1,1-Trichloroethane	ND	6.7
Carbon Tetrachloride	ND	2.7
Bromodichloromethane	ND	1.3
1,2-Dichloropropane	ND	1.3
cis-1,3-Dichloropropene	ND	6.7
Trichloroethene	ND	1.3
Dibromochloromethane	ND	6.7
1,1,2-Trichloroethane	ND	4.0
Benzene	ND	1.3
trans-1,3-Dichloropropene	ND	6.7
2-Chloroethyl Vinyl Ether	ND	6.7
Bromoform	ND	5.4
Tetrachloroethene	ND	1.3
1,1,2,2-Tetrachloroethane	ND	1.3
Toluene	1.3J	6.7
Chlorobenzene	ND	6.7
Ethylbenzene	ND	5.4
Xylene (Total)	ND	6.7

SEVERN TRENT SERVICES

Client ID: **TPE-2**
Site: Rexam DSI

Lab Sample No: **237819**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10467.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 27.7

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION 0.0

SEVERN TRENT SERVICES

Client ID: **TPE-2**
Site: Rexam DSI

Lab Sample No: **237819**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3257.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 28

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	460
bis(2-Chloroethyl)ether	ND	46
1,3-Dichlorobenzene	ND	460
1,4-Dichlorobenzene	ND	460
1,2-Dichlorobenzene	ND	460
bis(2-chloroisopropyl)ether	ND	460
N-Nitroso-di-n-propylamine	ND	46
Hexachloroethane	ND	46
Nitrobenzene	ND	46
Isophorone	ND	460
bis(2-Chloroethoxy)methane	ND	460
1,2,4-Trichlorobenzene	ND	46
Naphthalene	ND	460
Hexachlorobutadiene	ND	92
Hexachlorocyclopentadiene	ND	460
2-Chloronaphthalene	ND	460
Dimethylphthalate	ND	460
Acenaphthylene	ND	460
2,6-Dinitrotoluene	ND	92
Acenaphthene	ND	460
2,4-Dinitrotoluene	ND	92
Diethylphthalate	ND	460
4-Chlorophenyl-phenylether	ND	460
Fluorene	ND	460
N-Nitrosodiphenylamine	ND	460
4-Bromophenyl-phenylether	ND	460
Hexachlorobenzene	ND	46
Phenanthrene	54 J	460
Anthracene	ND	460
Di-n-butylphthalate	ND	460
Fluoranthene	15 J	460
Pyrene	17 J	460
Benzidine	ND	1800
Butylbenzylphthalate	ND	460

SEVERN TRENT SERVICES

Client ID: **TPE-2**
Site: Rexam DSI

Lab Sample No: **237819**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3257.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 28

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	920
Benzo(a)anthracene	ND	46
Chrysene	40 J	460
bis(2-Ethylhexyl)phthalate	ND	460
Di-n-octylphthalate	ND	460
Benzo(b)fluoranthene	11 J	46
Benzo(k)fluoranthene	ND	46
Benzo(a)pyrene	ND	46
Indeno(1,2,3-cd)pyrene	ND	46
Dibenz(a,h)anthracene	ND	46
Benzo(g,h,i)perylene	ND	460

SEVERN TRENT SERVICES

Client ID: **TPE-2**
Site: Rexam DSI

Lab Sample No: **237819**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3257.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 27.7

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Alkane	24.32	420	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 420

SEVERN TRENT SERVICES

Client ID: **TPE-3**
Site: Rexam DSI

Lab Sample No: **237820**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10468.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.6 g
Purge Volume: 5.0 ml
% Moisture: 4

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.7
Bromomethane	ND	4.7
Vinyl Chloride	ND	4.7
Chloroethane	ND	4.7
Methylene Chloride	ND	2.8
Trichlorofluoromethane	ND	4.7
1,1-Dichloroethene	ND	1.9
1,1-Dichloroethane	ND	4.7
trans-1,2-Dichloroethene	ND	4.7
cis-1,2-Dichloroethene	ND	4.7
Chloroform	ND	4.7
1,2-Dichloroethane	ND	1.9
1,1,1-Trichloroethane	ND	4.7
Carbon Tetrachloride	ND	1.9
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.7
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.7
1,1,2-Trichloroethane	ND	2.8
Benzene	0.6J	0.9
trans-1,3-Dichloropropene	ND	4.7
2-Chloroethyl Vinyl Ether	ND	4.7
Bromoform	ND	3.7
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	1.3J	4.7
Chlorobenzene	ND	4.7
Ethylbenzene	ND	3.7
Xylene (Total)	0.6J	4.7

SEVERN TRENT SERVICES

Client ID: **TPE-3**
Site: Rexam DSI

Lab Sample No: **237820**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10468.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.6 g
Purge Volume: 5.0 ml
% Moisture: 4.2

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
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TOTAL ESTIMATED CONCENTRATION 0.0

SEVERN TRENT SERVICES

Client ID: **TPE-3**
Site: Rexam DSI

Lab Sample No: **237820**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 11/01/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3319.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 4

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	350
bis(2-Chloroethyl)ether	ND	35
1,3-Dichlorobenzene	ND	350
1,4-Dichlorobenzene	ND	350
1,2-Dichlorobenzene	ND	350
bis(2-chloroisopropyl)ether	ND	350
N-Nitroso-di-n-propylamine	ND	35
Hexachloroethane	ND	35
Nitrobenzene	ND	35
Isophorone	ND	350
bis(2-Chloroethoxy)methane	ND	350
1,2,4-Trichlorobenzene	ND	35
Naphthalene	ND	350
Hexachlorobutadiene	ND	70
Hexachlorocyclopentadiene	ND	350
2-Chloronaphthalene	ND	350
Dimethylphthalate	ND	350
Acenaphthylene	ND	350
2,6-Dinitrotoluene	ND	70
Acenaphthene	ND	350
2,4-Dinitrotoluene	ND	70
Diethylphthalate	ND	350
4-Chlorophenyl-phenylether	ND	350
Fluorene	ND	350
N-Nitrosodiphenylamine	ND	350
4-Bromophenyl-phenylether	ND	350
Hexachlorobenzene	ND	35
Phenanthrene	ND	350
Anthracene	ND	350
Di-n-butylphthalate	ND	350
Fluoranthene	8.5J	350
Pyrene	12 J	350
Benzidine	ND	1400
Butylbenzylphthalate	ND	350

SEVERN TRENT SERVICES

Client ID: **TPE-3**
Site: Rexam DSI

Lab Sample No: **237820**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 11/01/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3319.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 4

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	700
Benzo(a)anthracene	ND	35
Chrysene	8.3J	350
bis(2-Ethylhexyl)phthalate	ND	350
Di-n-octylphthalate	ND	350
Benzo(b)fluoranthene	10 J	35
Benzo(k)fluoranthene	ND	35
Benzo(a)pyrene	ND	35
Indeno(1,2,3-cd)pyrene	ND	35
Dibenz(a,h)anthracene	ND	35
Benzo(g,h,i)perylene	ND	350

SEVERN TRENT SERVICES

Client ID: **TPE-3**
Site: Rexam DSI

Lab Sample No: **237820**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 11/01/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3319.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 4.2

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
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TOTAL ESTIMATED CONCENTRATION	0.0

SEVERN TRENT SERVICES

Client ID: **TPE-3**
Site: Rexam DSI

Lab Sample ID: **237820**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/31/00
Date Analyzed: 11/01/00
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC5.i
Front File ID: pf026391.d
Rear File ID: pr026391.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 4

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	70	R
Aroclor-1221	ND	70	R
Aroclor-1232	ND	70	R
Aroclor-1242	ND	70	R
Aroclor-1248	ND	70	R
Aroclor-1254	ND	70	R
Aroclor-1260	ND	70	R
Aroclor-1262	ND	70	R
Aroclor-1268	ND	70	R

SEVERN TRENT SERVICES

Client ID: **TPE-3**
Site: **Rexam DSI**

Lab Sample No: 237820
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00

Matrix: SOLID
Level: LOW
% Moisture: 4.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.2	N	P
Arsenic	ND	0.67		P
Beryllium	0.39	0.063	B	P
Cadmium	ND	0.084		P
Chromium	4.6	0.33		P
Copper	6.6	0.77	*	P
Lead	3.0	0.48	*	P
Mercury	ND	0.017		CV
Nickel	5.9	0.33	B	P
Selenium	ND	0.88		P
Silver	ND	0.29		P
Thallium	ND	0.98		P
Zinc	12.8	1.2		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

SEVERN TRENT SERVICES

Client ID: **MW-1**
Site: Rexam DSI

Lab Sample No: **237821**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22790.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.5
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.6
Chloroethane	ND	0.4
Methylene Chloride	ND	0.8
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.4
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.1
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.1
Tetrachloroethene	ND	0.3
1,1,2,2-Tetrachloroethane	ND	0.1
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.3
Xylene (Total)	ND	0.3

SEVERN TRENT SERVICES

Client ID: **MW-1**
Site: Rexam DSI

Lab Sample No: **237821**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22790.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
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TOTAL ESTIMATED CONCENTRATION	0.0

SEVERN TRENT SERVICES

Client ID: **MW-1**
Site: Rexam DSI

Lab Sample No: **237821**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa2509.d

Matrix: WATER
Level: LOW
Sample Volume: 900 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
N-Nitrosodimethylamine	ND	0.5
bis(2-Chloroethyl)ether	ND	1.2
1,3-Dichlorobenzene	ND	0.6
1,4-Dichlorobenzene	ND	0.7
1,2-Dichlorobenzene	ND	0.6
bis(2-chloroisopropyl)ether	ND	1.2
N-Nitroso-di-n-propylamine	ND	0.9
Hexachloroethane	ND	0.8
Nitrobenzene	ND	0.9
Isophorone	ND	1.0
bis(2-Chloroethoxy)methane	ND	1.0
1,2,4-Trichlorobenzene	ND	0.6
Naphthalene	ND	0.9
Hexachlorobutadiene	ND	0.6
Hexachlorocyclopentadiene	ND	1.0
2-Chloronaphthalene	ND	0.9
Dimethylphthalate	ND	0.5
Acenaphthylene	ND	0.5
2,6-Dinitrotoluene	ND	0.8
Acenaphthene	ND	0.6
2,4-Dinitrotoluene	ND	0.6
Diethylphthalate	ND	0.4
4-Chlorophenyl-phenylether	ND	0.6
Fluorene	ND	0.8
N-Nitrosodiphenylamine	ND	0.6
4-Bromophenyl-phenylether	ND	1.4
Hexachlorobenzene	ND	0.6
Phenanthrene	ND	0.5
Anthracene	ND	0.3
Di-n-butylphthalate	ND	0.5
Fluoranthene	ND	0.5
Pyrene	ND	0.6
Benzidine	ND	15
Butylbenzylphthalate	ND	0.8

SEVERN TRENT SERVICES

Client ID: **MW-1**
Site: Rexam DSI

Lab Sample No: **237821**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa2509.d

Matrix: WATER
Level: LOW
Sample Volume: 900 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
3,3'-Dichlorobenzidine	ND	5.3
Benzo(a)anthracene	ND	0.5
Chrysene	ND	0.7
bis(2-Ethylhexyl)phthalate	ND	2.2
Di-n-octylphthalate	ND	0.4
Benzo(b)fluoranthene	ND	0.4
Benzo(k)fluoranthene	ND	0.7
Benzo(a)pyrene	ND	0.3
Indeno(1,2,3-cd)pyrene	ND	0.5
Dibenz(a,h)anthracene	ND	0.3
Benzo(g,h,i)perylene	ND	0.5

SEVERN TRENT SERVICES

Client ID: **MW-1**
Site: Rexam DSI

Lab Sample No: **237821**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa2509.d

Matrix: WATER
Level: LOW
Sample Volume: 900 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 625

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
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TOTAL ESTIMATED CONCENTRATION 0.0

SEVERN TRENT SERVICES

Client ID: **MW-1**
Site: **Rexam DSI**

Lab Sample No: 237821
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	M
Antimony	ND	4.5	P
Arsenic	ND	3.6	P
Beryllium	ND	0.20	P
Cadmium	ND	0.40	P
Chromium	ND	1.1	P
Copper	ND	2.7	P
Lead	ND	2.1	P
Mercury	ND	0.10	CV
Nickel	1.6	1.4	P
Selenium	ND	4.5	P
Silver	ND	1.1	P
Thallium	ND	4.1	P
Zinc	20.8	5.2	P

M Column - Method Code (See Section 2 of Report)

SEVERN TRENT SERVICES

Client ID: **PZ-2**
Site: Rexam DSI

Lab Sample No: **237822**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22791.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.5
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.6
Chloroethane	ND	0.4
Methylene Chloride	ND	0.8
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.4
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.1
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.1
Tetrachloroethene	ND	0.3
1,1,2,2-Tetrachloroethane	ND	0.1
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.3
Xylene (Total)	ND	0.3

SEVERN TRENT SERVICES

Client ID: **PZ-2**
Site: Rexam DSI

Lab Sample No: **237822**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22791.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
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30.				

TOTAL ESTIMATED CONCENTRATION	0.0

SEVERN TRENT SERVICES

Client ID: **PZ-2**
Site: Rexam DSI

Lab Sample No: **237822**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa2510.d

Matrix: WATER
Level: LOW
Sample Volume: 900 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
N-Nitrosodimethylamine	ND	0.5
bis(2-Chloroethyl)ether	ND	1.2
1,3-Dichlorobenzene	ND	0.6
1,4-Dichlorobenzene	ND	0.7
1,2-Dichlorobenzene	ND	0.6
bis(2-chloroisopropyl)ether	ND	1.2
N-Nitroso-di-n-propylamine	ND	0.9
Hexachloroethane	ND	0.8
Nitrobenzene	ND	0.9
Isophorone	ND	1.0
bis(2-Chloroethoxy)methane	ND	1.0
1,2,4-Trichlorobenzene	ND	0.6
Naphthalene	ND	0.9
Hexachlorobutadiene	ND	0.6
Hexachlorocyclopentadiene	ND	1.0
2-Chloronaphthalene	ND	0.9
Dimethylphthalate	ND	0.5
Acenaphthylene	ND	0.5
2,6-Dinitrotoluene	ND	0.8
Acenaphthene	ND	0.6
2,4-Dinitrotoluene	ND	0.6
Diethylphthalate	ND	0.4
4-Chlorophenyl-phenylether	ND	0.6
Fluorene	ND	0.8
N-Nitrosodiphenylamine	ND	0.6
4-Bromophenyl-phenylether	ND	1.4
Hexachlorobenzene	ND	0.6
Phenanthrene	ND	0.5
Anthracene	ND	0.3
Di-n-butylphthalate	ND	0.5
Fluoranthene	ND	0.5
Pyrene	ND	0.6
Benzidine	ND	15
Butylbenzylphthalate	ND	0.8

SEVERN TRENT SERVICES

Client ID: **PZ-2**
Site: Rexam DSI

Lab Sample No: **237822**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa2510.d

Matrix: WATER
Level: LOW
Sample Volume: 900 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
3,3'-Dichlorobenzidine	ND	5.3
Benzo(a)anthracene	ND	0.5
Chrysene	ND	0.7
bis(2-Ethylhexyl)phthalate	ND	2.2
Di-n-octylphthalate	ND	0.4
Benzo(b)fluoranthene	ND	0.4
Benzo(k)fluoranthene	ND	0.7
Benzo(a)pyrene	ND	0.3
Indeno(1,2,3-cd)pyrene	ND	0.5
Dibenz(a,h)anthracene	ND	0.3
Benzo(g,h,i)perylene	ND	0.5

SEVERN TRENT SERVICES

Client ID: **PZ-2**
Site: Rexam DSI

Lab Sample No: **237822**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa2510.d

Matrix: WATER
Level: LOW
Sample Volume: 900 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 625

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
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6.				
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29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

SEVERN TRENT SERVICES

Client ID: **PZ-2**
Site: **Rexam DSI**

Lab Sample No: 237822
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	M
Antimony	ND	4.5	P
Arsenic	6.6	3.6	P
Beryllium	ND	0.20	P
Cadmium	ND	0.40	P
Chromium	1.5	1.1	P
Copper	3.4	2.7	P
Lead	75.2	2.1	P
Mercury	ND	0.10	CV
Nickel	2.0	1.4	P
Selenium	ND	4.5	P
Silver	ND	1.1	P
Thallium	ND	4.1	P
Zinc	13.6	5.2	P

M Column - Method Code (See Section 2 of Report)

SEVERN TRENT SERVICES

Client ID: **Trip_Blank-1**
Site: Rexam DSI

Lab Sample No: **237823**
Lab Job No: F104

Date Sampled: 10/24/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22792.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.5
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.6
Chloroethane	ND	0.4
Methylene Chloride	ND	0.8
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.4
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.1
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.1
Tetrachloroethene	ND	0.3
1,1,2,2-Tetrachloroethane	ND	0.1
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.3
Xylene (Total)	ND	0.3

SEVERN TRENT SERVICES

Client ID: **Trip_Blank-1**
Site: Rexam DSI

Lab Sample No: **237823**
Lab Job No: F104

Date Sampled: 10/24/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22792.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
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16.				
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21.				
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23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

SEVERN TRENT SERVICES

Client ID: **Field_Blank-1025**
Site: Rexam DSI

Lab Sample No: **237824**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22793.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.5
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.6
Chloroethane	ND	0.4
Methylene Chloride	ND	0.8
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.4
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.1
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.1
Tetrachloroethene	ND	0.3
1,1,2,2-Tetrachloroethane	ND	0.1
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.3
Xylene (Total)	ND	0.3

SEVERN TRENT SERVICES

Client ID: **Field_Blank-1025**
Site: Rexam DSI

Lab Sample No: **237824**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22793.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
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18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION	0.0

SEVERN TRENT SERVICES

Client ID: **Field_Blank-1025**
Site: Rexam DSI

Lab Sample No: **237824**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa2513.d

Matrix: WATER
Level: LOW
Sample Volume: 750 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
N-Nitrosodimethylamine	ND	0.6
bis(2-Chloroethyl)ether	ND	1.5
1,3-Dichlorobenzene	ND	0.8
1,4-Dichlorobenzene	ND	0.8
1,2-Dichlorobenzene	ND	0.7
bis(2-chloroisopropyl)ether	ND	1.4
N-Nitroso-di-n-propylamine	ND	1.1
Hexachloroethane	ND	0.9
Nitrobenzene	ND	1.1
Isophorone	ND	1.2
bis(2-Chloroethoxy)methane	ND	1.2
1,2,4-Trichlorobenzene	ND	0.8
Naphthalene	ND	1.0
Hexachlorobutadiene	ND	0.8
Hexachlorocyclopentadiene	ND	1.2
2-Chloronaphthalene	ND	1.0
Dimethylphthalate	ND	0.6
Acenaphthylene	ND	0.7
2,6-Dinitrotoluene	ND	0.9
Acenaphthene	ND	0.8
2,4-Dinitrotoluene	ND	0.8
Diethylphthalate	ND	0.5
4-Chlorophenyl-phenylether	ND	0.7
Fluorene	ND	1.0
N-Nitrosodiphenylamine	ND	0.7
4-Bromophenyl-phenylether	ND	1.7
Hexachlorobenzene	ND	0.7
Phenanthrene	ND	0.6
Anthracene	ND	0.4
Di-n-butylphthalate	ND	0.7
Fluoranthene	ND	0.6
Pyrene	ND	0.7
Benzidine	ND	18
Butylbenzylphthalate	ND	0.9

SEVERN TRENT SERVICES

Client ID: **Field_Blank-1025**
Site: Rexam DSI

Lab Sample No: **237824**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa2513.d

Matrix: WATER
Level: LOW
Sample Volume: 750 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
3,3'-Dichlorobenzidine	ND	6.3
Benzo(a)anthracene	ND	0.5
Chrysene	ND	0.9
bis(2-Ethylhexyl)phthalate	ND	2.6
Di-n-octylphthalate	ND	0.4
Benzo(b)fluoranthene	ND	0.5
Benzo(k)fluoranthene	ND	0.9
Benzo(a)pyrene	ND	0.3
Indeno(1,2,3-cd)pyrene	ND	0.7
Dibenz(a,h)anthracene	ND	0.4
Benzo(g,h,i)perylene	ND	0.6

SEVERN TRENT SERVICES

Client ID: **Field_Blank-1025**
Site: Rexam DSI

Lab Sample No: **237824**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa2513.d

Matrix: WATER
Level: LOW
Sample Volume: 750 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 625

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

SEVERN TRENT SERVICES

Client ID: **Field Blank-1025**
Site: **Rexam DSI**

Lab Sample No: 237824
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	M
Antimony	ND	4.5	P
Arsenic	ND	3.6	P
Beryllium	ND	0.20	P
Cadmium	ND	0.40	P
Chromium	ND	1.1	P
Copper	ND	2.7	P
Lead	ND	2.1	P
Mercury	ND	0.10	CV
Nickel	ND	1.4	P
Selenium	ND	4.5	P
Silver	ND	1.1	P
Thallium	ND	4.1	P
Zinc	103	5.2	P

M Column - Method Code (See Section 2 of Report)

SEVERN TRENT SERVICES

Client ID: **RC-1_2nd_Flr**
Site: Rexam DSI

Lab Sample No: **237825**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10515.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.4 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.6
Bromomethane	ND	4.6
Vinyl Chloride	ND	4.6
Chloroethane	ND	4.6
Methylene Chloride	ND	2.8
Trichlorofluoromethane	ND	4.6
1,1-Dichloroethene	ND	1.8
1,1-Dichloroethane	ND	4.6
trans-1,2-Dichloroethene	ND	4.6
cis-1,2-Dichloroethene	ND	4.6
Chloroform	ND	4.6
1,2-Dichloroethane	ND	1.8
1,1,1-Trichloroethane	ND	4.6
Carbon Tetrachloride	ND	1.8
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.6
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.6
1,1,2-Trichloroethane	ND	2.8
Benzene	ND	0.9
trans-1,3-Dichloropropene	ND	4.6
2-Chloroethyl Vinyl Ether	ND	4.6
Bromoform	ND	3.7
Tetrachloroethene	2.9	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	0.7J	4.6
Chlorobenzene	ND	4.6
Ethylbenzene	ND	3.7
Xylene (Total)	ND	4.6

SEVERN TRENT SERVICES

Client ID: **RC-1_2nd_Flr**
Site: Rexam DSI

Lab Sample No: **237825**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10515.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.4 g
Purge Volume: 5.0 ml
% Moisture: 0.2

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	2-Propanone	6.05	5.4	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 5.4

SEVERN TRENT SERVICES

Client ID: **RC-1_2nd_Flr**
Site: Rexam DSI

Lab Sample No: **237825**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3266.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	1700
bis(2-Chloroethyl)ether	ND	170
1,3-Dichlorobenzene	ND	1700
1,4-Dichlorobenzene	ND	1700
1,2-Dichlorobenzene	ND	1700
bis(2-chloroisopropyl)ether	ND	1700
N-Nitroso-di-n-propylamine	ND	170
Hexachloroethane	ND	170
Nitrobenzene	ND	170
Isophorone	ND	1700
bis(2-Chloroethoxy)methane	ND	1700
1,2,4-Trichlorobenzene	ND	170
Naphthalene	ND	1700
Hexachlorobutadiene	ND	330
Hexachlorocyclopentadiene	ND	1700
2-Chloronaphthalene	ND	1700
Dimethylphthalate	ND	1700
Acenaphthylene	ND	1700
2,6-Dinitrotoluene	ND	330
Acenaphthene	ND	1700
2,4-Dinitrotoluene	ND	330
Diethylphthalate	ND	1700
4-Chlorophenyl-phenylether	ND	1700
Fluorene	ND	1700
N-Nitrosodiphenylamine	190 J	1700
4-Bromophenyl-phenylether	ND	1700
Hexachlorobenzene	ND	170
Phenanthrene	120 J	1700
Anthracene	ND	1700
Di-n-butylphthalate	ND	1700
Fluoranthene	280 J	1700
Pyrene	420 J	1700
Benzidine	ND	6700
Butylbenzylphthalate	ND	1700

SEVERN TRENT SERVICES

Client ID: **RC-1_2nd_Flr**
Site: Rexam DSI

Lab Sample No: **237825**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3266.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	3300
Benzo(a)anthracene	180	170
Chrysene	2000	1700
bis(2-Ethylhexyl)phthalate	980 J	1700
Di-n-octylphthalate	ND	1700
Benzo(b)fluoranthene	260	170
Benzo(k)fluoranthene	44 J	170
Benzo(a)pyrene	310	170
Indeno(1,2,3-cd)pyrene	ND	170
Dibenz(a,h)anthracene	ND	170
Benzo(g,h,i)perylene	ND	1700

SEVERN TRENT SERVICES

Client ID: **RC-1_2nd_Flr**
Site: Rexam DSI

Lab Sample No: **237825**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3266.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 0.2

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Alkane	21.91	10000	
2.	Unknown Alkane	22.38	5600	
3.	Unknown Alkane	22.56	14000	
4.	Unknown Alkane	23.52	11000	
5.	Unknown Alkane	23.78	18000	
6.	Unknown Alkane	23.99	12000	
7.	Unknown Alkane	24.15	17000	
8.	Unknown Alkane	24.36	19000	
9.	Unknown Alkane	24.55	15000	
10.	Unknown Alkane	24.90	11000	
11.	Unknown Alkane	25.15	17000	
12.	Unknown Alkane	25.60	15000	
13.	Unknown Alkane	25.83	16000	
14.	Unknown Alkane	26.33	10000	
15.	Unknown Alkane	26.61	19000	
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 209600

SEVERN TRENT SERVICES

Client ID: **RC-1_2nd_Flr**
Site: Rexam DSI

Lab Sample ID: **237825**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/29/00
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC5.i
Front File ID: pf026323.d
Rear File ID: pr026323.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 0

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	67	R
Aroclor-1221	ND	67	R
Aroclor-1232	ND	67	R
Aroclor-1242	ND	67	R
Aroclor-1248	ND	67	R
Aroclor-1254	420	67	R
Aroclor-1260	ND	67	R
Aroclor-1262	ND	67	R
Aroclor-1268	ND	67	R

SEVERN TRENT SERVICES

Client ID: **RC-2_3rd_Flr**
Site: Rexam DSI

Lab Sample No: **237826**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10510.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 4

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.2
Bromomethane	ND	5.2
Vinyl Chloride	ND	5.2
Chloroethane	ND	5.2
Methylene Chloride	0.8JB	3.1
Trichlorofluoromethane	ND	5.2
1,1-Dichloroethene	ND	2.1
1,1-Dichloroethane	ND	5.2
trans-1,2-Dichloroethene	ND	5.2
cis-1,2-Dichloroethene	ND	5.2
Chloroform	1.8J	5.2
1,2-Dichloroethane	ND	2.1
1,1,1-Trichloroethane	ND	5.2
Carbon Tetrachloride	ND	2.1
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.2
Trichloroethene	0.8J	1.0
Dibromochloromethane	ND	5.2
1,1,2-Trichloroethane	ND	3.1
Benzene	11	1.0
trans-1,3-Dichloropropene	ND	5.2
2-Chloroethyl Vinyl Ether	ND	5.2
Bromoform	ND	4.2
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	7.2	5.2
Chlorobenzene	ND	5.2
Ethylbenzene	ND	4.2
Xylene (Total)	ND	5.2

SEVERN TRENT SERVICES

Client ID: **RC-2_3rd_Flr**
Site: Rexam DSI

Lab Sample No: **237826**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10510.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 4.2

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	2-Propanone	6.05	36	
2.	Acetic acid, methyl ester	6.59	6.2	
3.	Butanal	8.34	8.3	
4.	2-Butanone	8.56	16	
5.	Pentanal	9.92	6.2	
6.	C5H10O Ketone	10.74	10	
7.	2-Hexanone	12.82	6.9	
8.	C8H16O Ketone	15.38	11	
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 101

SEVERN TRENT SERVICES

Client ID: **RC-2_3rd_Flr**
Site: Rexam DSI

Lab Sample No: **237826**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: 13268.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 50.0 ml
Dilution Factor: 5.0
% Moisture: 4

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	43000
bis(2-Chloroethyl)ether	ND	4300
1,3-Dichlorobenzene	ND	43000
1,4-Dichlorobenzene	ND	43000
1,2-Dichlorobenzene	ND	43000
bis(2-chloroisopropyl)ether	ND	43000
N-Nitroso-di-n-propylamine	ND	4300
Hexachloroethane	ND	4300
Nitrobenzene	ND	4300
Isophorone	ND	43000
bis(2-Chloroethoxy)methane	ND	43000
1,2,4-Trichlorobenzene	ND	4300
Naphthalene	ND	43000
Hexachlorobutadiene	ND	8700
Hexachlorocyclopentadiene	ND	43000
2-Chloronaphthalene	ND	43000
Dimethylphthalate	ND	43000
Acenaphthylene	ND	43000
2,6-Dinitrotoluene	ND	8700
Acenaphthene	ND	43000
2,4-Dinitrotoluene	ND	8700
Diethylphthalate	ND	43000
4-Chlorophenyl-phenylether	ND	43000
Fluorene	ND	43000
N-Nitrosodiphenylamine	ND	43000
4-Bromophenyl-phenylether	ND	43000
Hexachlorobenzene	ND	4300
Phenanthrene	1000 J	43000
Anthracene	ND	43000
Di-n-butylphthalate	ND	43000
Fluoranthene	2500 J	43000
Pyrene	5400 J	43000
Benzidine	ND	170000
Butylbenzylphthalate	ND	43000

SEVERN TRENT SERVICES

Client ID: **RC-2_3rd_Flr**
Site: Rexam DSI

Lab Sample No: **237826**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3268.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 50.0 ml
Dilution Factor: 5.0
% Moisture: 4

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	87000
Benzo(a)anthracene	ND	4300
Chrysene	ND	43000
bis(2-Ethylhexyl)phthalate	ND	43000
Di-n-octylphthalate	15000 J	43000
Benzo(b)fluoranthene	ND	4300
Benzo(k)fluoranthene	ND	4300
Benzo(a)pyrene	ND	4300
Indeno(1,2,3-cd)pyrene	ND	4300
Dibenz(a,h)anthracene	ND	4300
Benzo(g,h,i)perylene	ND	43000

SEVERN TRENT SERVICES

Client ID: **RC-2_3rd_Flr**
Site: Rexam DSI

Lab Sample No: **237826**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3268.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 50.0 ml
Dilution Factor: 5.0
% Moisture: 4.2

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown	28.12	140000	
2.	Unknown	28.80	140000	
3.	Unknown	29.05	310000	
4.	Unknown	29.62	400000	
5.	Unknown	30.30	250000	
6.	Unknown	30.79	290000	
7.	Unknown	31.41	1200000	
8.	Unknown	31.58	200000	
9.	Unknown	31.84	150000	
10.	Unknown	32.24	230000	
11.	Unknown	32.56	240000	
12.	Unknown	32.85	1200000	
13.	Unknown	34.74	370000	
14.	Unknown	35.02	230000	
15.	Unknown	36.52	190000	
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 5540000

SEVERN TRENT SERVICES

Client ID: **RC-2_3rd_Flr**
Site: Rexam DSI

Lab Sample ID: **237826**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/29/00
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC5.i
Front File ID: pf026324.d
Rear File ID: pr026324.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 4

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	70	R
Aroclor-1221	ND	70	R
Aroclor-1232	ND	70	R
Aroclor-1242	ND	70	R
Aroclor-1248	ND	70	R
Aroclor-1254	ND	70	R
Aroclor-1260	ND	70	R
Aroclor-1262	ND	70	R
Aroclor-1268	ND	70	R

SEVERN TRENT SERVICES

Client ID: **RC-3_3rd_Flr**
Site: Rexam DSI

Lab Sample No: **237827**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10511.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.4 g
Purge Volume: 5.0 ml
% Moisture: 7

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	1.4JB	3.0
Trichlorofluoromethane	5.9	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	0.6J	5.0
1,2-Dichloroethane	ND	2.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
2-Chloroethyl Vinyl Ether	ND	5.0
Bromoform	ND	4.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	2.6J	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Xylene (Total)	ND	5.0

SEVERN TRENT SERVICES

Client ID: **RC-3_3rd_Flr**
Site: Rexam DSI

Lab Sample No: **237827**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10511.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.4 g
Purge Volume: 5.0 ml
% Moisture: 6.8

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	2-Propanone	6.08	5.4	
2.	Unknown Alkane/C9H12 Aromatic	15.41	6.2	
3.	Coeluting Unknowns	16.14	6.5	
4.	Coeluting Unknowns	17.71	7.9	
5.	2,3-dihydro-methyl-1H-Indene isomer	18.04	13	
6.	2,3-dihydro-dimethyl-1H-Indene isomer	18.58	7.6	
7.	Naphthalene	18.89	7.5	
8.	Tetrahydromethylnaphthalene isomer	19.04	9.2	
9.	Tetrahydromethylnaphthalene isomer	19.51	6.6	
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	70

SEVERN TRENT SERVICES

Client ID: **RC-3_3rd_Flr**
Site: Rexam DSI

Lab Sample No: **237827**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 11/15/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3537.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 10.0 ml
Dilution Factor: 5.0
% Moisture: 7

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	8900
bis(2-Chloroethyl)ether	ND	890
1,3-Dichlorobenzene	ND	8900
1,4-Dichlorobenzene	ND	8900
1,2-Dichlorobenzene	ND	8900
bis(2-chloroisopropyl)ether	ND	8900
N-Nitroso-di-n-propylamine	ND	890
Hexachloroethane	ND	890
Nitrobenzene	ND	890
Isophorone	ND	8900
bis(2-Chloroethoxy)methane	ND	8900
1,2,4-Trichlorobenzene	ND	890
Naphthalene	ND	8900
Hexachlorobutadiene	ND	1800
Hexachlorocyclopentadiene	ND	8900
2-Chloronaphthalene	ND	8900
Dimethylphthalate	ND	8900
Acenaphthylene	ND	8900
2,6-Dinitrotoluene	ND	1800
Acenaphthene	220 J	8900
2,4-Dinitrotoluene	ND	1800
Diethylphthalate	ND	8900
4-Chlorophenyl-phenylether	ND	8900
Fluorene	200 J	8900
N-Nitrosodiphenylamine	ND	8900
4-Bromophenyl-phenylether	ND	8900
Hexachlorobenzene	ND	890
Phenanthrene	1100 J	8900
Anthracene	ND	8900
Di-n-butylphthalate	ND	8900
Fluoranthene	600 J	8900
Pyrene	7400 J	8900
Benzidine	ND	36000
Butylbenzylphthalate	ND	8900

SEVERN TRENT SERVICES

Client ID: **RC-3_3rd_Flr**
Site: Rexam DSI

Lab Sample No: **237827**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 11/15/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3537.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 10.0 ml
Dilution Factor: 5.0
% Moisture: 7

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	18000
Benzo(a)anthracene	1800	890
Chrysene	5400 J	8900
bis(2-Ethylhexyl)phthalate	ND	8900
Di-n-octylphthalate	ND	8900
Benzo(b)fluoranthene	1300	890
Benzo(k)fluoranthene	390 J	890
Benzo(a)pyrene	1500	890
Indeno(1,2,3-cd)pyrene	ND	890
Dibenz(a,h)anthracene	ND	890
Benzo(g,h,i)perylene	780 J	8900

SEVERN TRENT SERVICES

Client ID: **RC-3_3rd_Flr**
Site: Rexam DSI

Lab Sample No: **237827**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 11/15/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3537.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 10.0 ml
Dilution Factor: 5.0
% Moisture: 6.8

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C19H40 Alkane	19.74	14000	
2.	Unknown Alkane	20.51	11000	
3.	Unknown	21.26	8800	
4.	C16H14 PAH	22.29	9000	
5.	C16H14 PAH	22.48	17000	
6.	C16H14 PAH	22.53	12000	
7.	Unknown	22.67	10000	
8.	Unknown	23.04	8600	
9.	C17H16 PAH	23.15	20000	
10.	C17H16 PAH	23.21	20000	
11.	Unknown	23.39	9100	
12.	Unknown	23.66	9500	
13.	C17H12 PAH	23.85	14000	
14.	Unknown	24.09	16000	
15.	Unknown	24.72	9000	
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 188000

SEVERN TRENT SERVICES

Client ID: **RC-3_3rd_Flr**
Site: Rexam DSI

Lab Sample ID: **237827**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/29/00
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC5.i
Front File ID: pf026328.d
Rear File ID: pr026328.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 7

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	72	R
Aroclor-1221	ND	72	R
Aroclor-1232	ND	72	R
Aroclor-1242	ND	72	R
Aroclor-1248	ND	72	R
Aroclor-1254	ND	72	R
Aroclor-1260	ND	72	R
Aroclor-1262	ND	72	R
Aroclor-1268	ND	72	R

SEVERN TRENT SERVICES

Client ID: **RC-4_4th_Flr**
Site: Rexam DSI

Lab Sample No: **237828**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10512.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 4

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	1.1JB	3.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	2.1J	5.0
1,2-Dichloroethane	ND	2.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	1.6	1.0
trans-1,3-Dichloropropene	ND	5.0
2-Chloroethyl Vinyl Ether	ND	5.0
Bromoform	ND	4.0
Tetrachloroethene	0.8J	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	6.8	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Xylene (Total)	ND	5.0

SEVERN TRENT SERVICES

Client ID: **RC-4_4th_Flr**
Site: Rexam DSI

Lab Sample No: **237828**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10512.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 4.1

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown	3.97	52	
2.	2-Propanone	6.05	42	
3.	2-Butanone	8.58	20	
4.	Unknown	14.69	9.3	
5.	Coeluting Unknowns	14.86	12	
6.	Unknown Alkane	15.40	31	
7.	Unknown	16.10	17	
8.	Decahydronaphthalene isomer	16.72	22	
9.	Coeluting Unknowns	16.88	17	
10.	Unknown Cycloalkane	17.46	21	
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 243

SEVERN TRENT SERVICES

Client ID: **RC-4_4th_Flr**
Site: Rexam DSI

Lab Sample No: **237828**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 11/01/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3321.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 10.0 ml
Dilution Factor: 25.0
% Moisture: 4

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	43000
bis(2-Chloroethyl)ether	ND	4300
1,3-Dichlorobenzene	ND	43000
1,4-Dichlorobenzene	ND	43000
1,2-Dichlorobenzene	ND	43000
bis(2-chloroisopropyl)ether	ND	43000
N-Nitroso-di-n-propylamine	ND	4300
Hexachloroethane	ND	4300
Nitrobenzene	ND	4300
Isophorone	ND	43000
bis(2-Chloroethoxy)methane	ND	43000
1,2,4-Trichlorobenzene	ND	4300
Naphthalene	ND	43000
Hexachlorobutadiene	ND	8700
Hexachlorocyclopentadiene	ND	43000
2-Chloronaphthalene	ND	43000
Dimethylphthalate	ND	43000
Acenaphthylene	ND	43000
2,6-Dinitrotoluene	ND	8700
Acenaphthene	ND	43000
2,4-Dinitrotoluene	ND	8700
Diethylphthalate	ND	43000
4-Chlorophenyl-phenylether	ND	43000
Fluorene	ND	43000
N-Nitrosodiphenylamine	ND	43000
4-Bromophenyl-phenylether	ND	43000
Hexachlorobenzene	ND	4300
Phenanthrene	ND	43000
Anthracene	ND	43000
Di-n-butylphthalate	ND	43000
Fluoranthene	1500 J	43000
Pyrene	6600 J	43000
Benzidine	ND	170000
Butylbenzylphthalate	ND	43000

SEVERN TRENT SERVICES

Client ID: **RC-4_4th_Flr**
Site: Rexam DSI

Lab Sample No: **237828**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 11/01/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3321.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 10.0 ml
Dilution Factor: 25.0
% Moisture: 4

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	87000
Benzo(a)anthracene	890 J	4300
Chrysene	1400 J	43000
bis(2-Ethylhexyl)phthalate	ND	43000
Di-n-octylphthalate	ND	43000
Benzo(b)fluoranthene	ND	4300
Benzo(k)fluoranthene	ND	4300
Benzo(a)pyrene	5000	4300
Indeno(1,2,3-cd)pyrene	ND	4300
Dibenz(a,h)anthracene	ND	4300
Benzo(g,h,i)perylene	ND	43000

SEVERN TRENT SERVICES

Client ID: **RC-4_4th_Flr**
Site: Rexam DSI

Lab Sample No: **237828**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 11/01/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3321.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 10.0 ml
Dilution Factor: 25.0
% Moisture: 4.1

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown	26.36	70000	
2.	Unknown Sterol	28.23	100000	
3.	Unknown	31.15	170000	
4.	Unknown	32.54	170000	
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
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21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 510000

SEVERN TRENT SERVICES

Client ID: **RC-4_4th_Flr**
Site: Rexam DSI

Lab Sample ID: **237828**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/29/00
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC5.i
Front File ID: pf026325.d
Rear File ID: pr026325.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 4

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	70	R
Aroclor-1221	ND	70	R
Aroclor-1232	ND	70	R
Aroclor-1242	ND	70	R
Aroclor-1248	ND	70	R
Aroclor-1254	ND	70	R
Aroclor-1260	ND	70	R
Aroclor-1262	ND	70	R
Aroclor-1268	ND	70	R

SEVERN TRENT SERVICES

Client ID: **ES-1_ElShaft_4th**
Site: Rexam DSI

Lab Sample No: **237829**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10513.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.3 g
Purge Volume: 5.0 ml
% Moisture: 40

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	7.8
Bromomethane	ND	7.8
Vinyl Chloride	ND	7.8
Chloroethane	ND	7.8
Methylene Chloride	1.7JB	4.7
Trichlorofluoromethane	ND	7.8
1,1-Dichloroethene	ND	3.1
1,1-Dichloroethane	ND	7.8
trans-1,2-Dichloroethene	2.3J	7.8
cis-1,2-Dichloroethene	7.6J	7.8
Chloroform	ND	7.8
1,2-Dichloroethane	ND	3.1
1,1,1-Trichloroethane	ND	7.8
Carbon Tetrachloride	ND	3.1
Bromodichloromethane	ND	1.6
1,2-Dichloropropane	ND	1.6
cis-1,3-Dichloropropene	ND	7.8
Trichloroethene	8.4	1.6
Dibromochloromethane	ND	7.8
1,1,2-Trichloroethane	ND	4.7
Benzene	3.2	1.6
trans-1,3-Dichloropropene	ND	7.8
2-Chloroethyl Vinyl Ether	ND	7.8
Bromoform	ND	6.3
Tetrachloroethene	12	1.6
1,1,2,2-Tetrachloroethane	ND	1.6
Toluene	11	7.8
Chlorobenzene	ND	7.8
Ethylbenzene	4.1J	6.3
Xylene (Total)	11	7.8

SEVERN TRENT SERVICES

Client ID: **ES-1_ElShaft_4th**
Site: Rexam DSI

Lab Sample No: **237829**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10513.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.3 g
Purge Volume: 5.0 ml
% Moisture: 40.4

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C11H24 Alkane	16.13	270	
2.	C11H24 Alkane	16.57	220	
3.	C11H22 Cycloalkane	16.71	370	
4.	C12H26 Alkane	16.79	320	
5.	C11H22 Cycloalkane	16.93	470	
6.	C12H26 Alkane	17.22	260	
7.	C12H24 Cycloalkane	17.33	390	
8.	Unknown	17.41	490	
9.	Decahydromethylnaphthalene isomer	17.67	380	
10.	C13H28 Alkane	17.90	450	
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 3620

SEVERN TRENT SERVICES

Client ID: **ES-1_ElShaft_4th**
Site: Rexam DSI

Lab Sample No: **237829**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3258.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 40

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	560
bis(2-Chloroethyl)ether	ND	56
1,3-Dichlorobenzene	ND	560
1,4-Dichlorobenzene	ND	560
1,2-Dichlorobenzene	ND	560
bis(2-chloroisopropyl)ether	ND	560
N-Nitroso-di-n-propylamine	ND	56
Hexachloroethane	ND	56
Nitrobenzene	ND	56
Isophorone	ND	560
bis(2-Chloroethoxy)methane	ND	560
1,2,4-Trichlorobenzene	ND	56
Naphthalene	20 J	560
Hexachlorobutadiene	ND	110
Hexachlorocyclopentadiene	ND	560
2-Chloronaphthalene	ND	560
Dimethylphthalate	ND	560
Acenaphthylene	13 J	560
2,6-Dinitrotoluene	ND	110
Acenaphthene	17 J	560
2,4-Dinitrotoluene	ND	110
Diethylphthalate	ND	560
4-Chlorophenyl-phenylether	ND	560
Fluorene	28 J	560
N-Nitrosodiphenylamine	64 J	560
4-Bromophenyl-phenylether	ND	560
Hexachlorobenzene	ND	56
Phenanthrene	240 J	560
Anthracene	60 J	560
Di-n-butylphthalate	200 J	560
Fluoranthene	470 J	560
Pyrene	420 J	560
Benzidine	ND	2200
Butylbenzylphthalate	ND	560

SEVERN TRENT SERVICES

Client ID: **ES-1_ElShaft_4th**
Site: Rexam DSI

Lab Sample No: **237829**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3258.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 40

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)		Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND		1100
Benzo(a)anthracene	210		56
Chrysene	260	J	560
bis(2-Ethylhexyl)phthalate	3700		560
Di-n-octylphthalate	420	J	560
Benzo(b)fluoranthene	490		56
Benzo(k)fluoranthene	90		56
Benzo(a)pyrene	230		56
Indeno(1,2,3-cd)pyrene	55	J	56
Dibenz(a,h)anthracene	ND		56
Benzo(g,h,i)perylene	74	J	560

SEVERN TRENT SERVICES

Client ID: **ES-1_ElShaft_4th**
Site: Rexam DSI

Lab Sample No: **237829**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3258.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 40.4

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Alkane	24.38	1800	
2.	Unknown Alkane	24.97	4900	
3.	Unknown Alkane	25.62	2200	
4.	Unknown Alkane	26.38	1800	
5.	Unknown	26.50	3600	
6.	Unknown Alkane	26.65	2100	
7.	Unknown Alkane	27.27	2600	
8.	Unknown	29.11	3700	
9.	Unknown	29.67	3100	
10.	Unknown	30.87	1700	
11.	Unknown	31.50	7800	
12.	Unknown	32.32	2000	
13.	Unknown	32.93	9900	
14.	Unknown	34.85	10000	
15.	Unknown	35.10	3200	
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 60400

SEVERN TRENT SERVICES

Client ID: **ES-1_ElShaft_4th**
Site: Rexam DSI

Lab Sample ID: **237829**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/29/00
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC5.i
Front File ID: pf026326.d
Rear File ID: pr026326.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 40

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	110	R
Aroclor-1221	ND	110	R
Aroclor-1232	ND	110	R
Aroclor-1242	ND	110	R
Aroclor-1248	ND	110	R
Aroclor-1254	ND	110	R
Aroclor-1260	ND	110	R
Aroclor-1262	ND	110	R
Aroclor-1268	ND	110	R

SEVERN TRENT SERVICES

Client ID: **Trip_Blank-2**
Site: Rexam DSI

Lab Sample No: **237830**
Lab Job No: F104

Date Sampled: 10/24/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22794.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.5
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.6
Chloroethane	ND	0.4
Methylene Chloride	ND	0.8
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.4
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.1
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.1
Tetrachloroethene	ND	0.3
1,1,2,2-Tetrachloroethane	ND	0.1
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.3
Xylene (Total)	ND	0.3

SEVERN TRENT SERVICES

Client ID: **Trip_Blank-2**
Site: Rexam DSI

Lab Sample No: **237830**
Lab Job No: F104

Date Sampled: 10/24/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22794.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
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21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

SEVERN TRENT SERVICES

Client ID: **Field_Blank-1026**
Site: Rexam DSI

Lab Sample No: **237831**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22795.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.5
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.6
Chloroethane	ND	0.4
Methylene Chloride	8.6	0.8
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.4
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.1
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.1
Tetrachloroethene	ND	0.3
1,1,2,2-Tetrachloroethane	ND	0.1
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.3
Xylene (Total)	ND	0.3

SEVERN TRENT SERVICES

Client ID: **Field_Blank-1026**
Site: Rexam DSI

Lab Sample No: **237831**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22795.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
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18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION	0.0

SEVERN TRENT SERVICES

Client ID: **Field_Blank-1026**
Site: Rexam DSI

Lab Sample No: **237831**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa2514.d

Matrix: WATER
Level: LOW
Sample Volume: 950 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
N-Nitrosodimethylamine	ND	0.5
bis(2-Chloroethyl)ether	ND	1.2
1,3-Dichlorobenzene	ND	0.6
1,4-Dichlorobenzene	ND	0.6
1,2-Dichlorobenzene	ND	0.6
bis(2-chloroisopropyl)ether	ND	1.1
N-Nitroso-di-n-propylamine	ND	0.9
Hexachloroethane	ND	0.7
Nitrobenzene	ND	0.9
Isophorone	ND	0.9
bis(2-Chloroethoxy)methane	ND	1.0
1,2,4-Trichlorobenzene	ND	0.6
Naphthalene	ND	0.8
Hexachlorobutadiene	ND	0.6
Hexachlorocyclopentadiene	ND	1.0
2-Chloronaphthalene	ND	0.8
Dimethylphthalate	ND	0.5
Acenaphthylene	ND	0.5
2,6-Dinitrotoluene	ND	0.7
Acenaphthene	ND	0.6
2,4-Dinitrotoluene	ND	0.6
Diethylphthalate	ND	0.4
4-Chlorophenyl-phenylether	ND	0.6
Fluorene	ND	0.8
N-Nitrosodiphenylamine	ND	0.6
4-Bromophenyl-phenylether	ND	1.3
Hexachlorobenzene	ND	0.6
Phenanthrene	ND	0.5
Anthracene	ND	0.3
Di-n-butylphthalate	ND	0.5
Fluoranthene	ND	0.5
Pyrene	ND	0.6
Benzidine	ND	14
Butylbenzylphthalate	ND	0.7

SEVERN TRENT SERVICES

Client ID: **Field_Blank-1026**
Site: Rexam DSI

Lab Sample No: **237831**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa2514.d

Matrix: WATER
Level: LOW
Sample Volume: 950 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
3,3'-Dichlorobenzidine	ND	5.0
Benzo(a)anthracene	ND	0.4
Chrysene	ND	0.7
bis(2-Ethylhexyl)phthalate	ND	2.1
Di-n-octylphthalate	ND	0.3
Benzo(b)fluoranthene	ND	0.4
Benzo(k)fluoranthene	ND	0.7
Benzo(a)pyrene	ND	0.3
Indeno(1,2,3-cd)pyrene	ND	0.5
Dibenz(a,h)anthracene	ND	0.3
Benzo(g,h,i)perylene	ND	0.5

SEVERN TRENT SERVICES

Client ID: **Field_Blank-1026**
Site: Rexam DSI

Lab Sample No: **237831**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS8.i
Lab File ID: aa2514.d

Matrix: WATER
Level: LOW
Sample Volume: 950 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 625

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
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16.				
17.				
18.				
19.				
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21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

SEVERN TRENT SERVICES

Client ID: **Field_Blank-1026**
Site: Rexam DSI

Lab Sample ID: **237831**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Extracted: 11/08/00
Date Analyzed: 11/08/00
GC Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 620 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr018577.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.30
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.20
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.20
Aroclor-1260	ND	0.40
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

SEVERN TRENT SERVICES

Client ID: **Field Blank-1026**
Site: **Rexam DSI**

Lab Sample No: 237831
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	M
Antimony	ND	4.5	P
Arsenic	ND	3.6	P
Beryllium	ND	0.20	P
Cadmium	ND	0.40	P
Chromium	ND	1.1	P
Copper	ND	2.7	P
Lead	ND	2.1	P
Mercury	ND	0.10	CV
Nickel	ND	1.4	P
Selenium	ND	4.5	P
Silver	ND	1.1	P
Thallium	ND	4.1	P
Zinc	23.8	5.2	P

M Column - Method Code (See Section 2 of Report)

SEVERN TRENT SERVICES

Client ID: **EB-4_16-16.5**
Site: Rexam DSI

Lab Sample No: **237839**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10469.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.7 g
Purge Volume: 5.0 ml
% Moisture: 8

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.8
Bromomethane	ND	4.8
Vinyl Chloride	ND	4.8
Chloroethane	ND	4.8
Methylene Chloride	ND	2.9
Trichlorofluoromethane	ND	4.8
1,1-Dichloroethene	ND	1.9
1,1-Dichloroethane	ND	4.8
trans-1,2-Dichloroethene	ND	4.8
cis-1,2-Dichloroethene	ND	4.8
Chloroform	ND	4.8
1,2-Dichloroethane	ND	1.9
1,1,1-Trichloroethane	ND	4.8
Carbon Tetrachloride	ND	1.9
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	4.8
Trichloroethene	ND	1.0
Dibromochloromethane	ND	4.8
1,1,2-Trichloroethane	ND	2.9
Benzene	0.6J	1.0
trans-1,3-Dichloropropene	ND	4.8
2-Chloroethyl Vinyl Ether	ND	4.8
Bromoform	ND	3.8
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	1.1J	4.8
Chlorobenzene	ND	4.8
Ethylbenzene	ND	3.8
Xylene (Total)	ND	4.8

SEVERN TRENT SERVICES

Client ID: **EB-4_16-16.5**
Site: Rexam DSI

Lab Sample No: **237839**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10469.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.7 g
Purge Volume: 5.0 ml
% Moisture: 7.8

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
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23.			
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25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION	0.0

SEVERN TRENT SERVICES

Client ID: **EB-4_16-16.5**
Site: Rexam DSI

Lab Sample No: **237839**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3270.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 8

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	360
bis(2-Chloroethyl)ether	ND	36
1,3-Dichlorobenzene	ND	360
1,4-Dichlorobenzene	ND	360
1,2-Dichlorobenzene	ND	360
bis(2-chloroisopropyl)ether	ND	360
N-Nitroso-di-n-propylamine	ND	36
Hexachloroethane	ND	36
Nitrobenzene	ND	36
Isophorone	ND	360
bis(2-Chloroethoxy)methane	ND	360
1,2,4-Trichlorobenzene	ND	36
Naphthalene	16 J	360
Hexachlorobutadiene	ND	72
Hexachlorocyclopentadiene	ND	360
2-Chloronaphthalene	ND	360
Dimethylphthalate	ND	360
Acenaphthylene	33 J	360
2,6-Dinitrotoluene	ND	72
Acenaphthene	7.8J	360
2,4-Dinitrotoluene	ND	72
Diethylphthalate	ND	360
4-Chlorophenyl-phenylether	ND	360
Fluorene	12 J	360
N-Nitrosodiphenylamine	ND	360
4-Bromophenyl-phenylether	ND	360
Hexachlorobenzene	ND	36
Phenanthrene	110 J	360
Anthracene	32 J	360
Di-n-butylphthalate	ND	360
Fluoranthene	190 J	360
Pyrene	230 J	360
Benzidine	ND	1400
Butylbenzylphthalate	ND	360

SEVERN TRENT SERVICES

Client ID: **EB-4_16-16.5**
Site: Rexam DSI

Lab Sample No: **237839**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3270.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 8

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	720
Benzo(a)anthracene	120	36
Chrysene	160 J	360
bis(2-Ethylhexyl)phthalate	80 J	360
Di-n-octylphthalate	ND	360
Benzo(b)fluoranthene	180	36
Benzo(k)fluoranthene	74	36
Benzo(a)pyrene	110	36
Indeno(1,2,3-cd)pyrene	39	36
Dibenz(a,h)anthracene	ND	36
Benzo(g,h,i)perylene	31 J	360

SEVERN TRENT SERVICES

Client ID: **EB-4_16-16.5**
Site: Rexam DSI

Lab Sample No: **237839**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3270.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 7.8

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown Alkane	23.35	350	
2. Unknown Alkane	23.51	460	
3. Unknown Alkane	24.33	710	
4. Unknown Alkane	24.43	370	
5. Unknown Alkane	24.87	450	
6. Unknown	24.90	570	
7. Unknown Alkane	25.11	410	
8. Unknown Alkane	25.53	350	
9. Unknown	26.40	350	
10. Unknown Alkane	26.53	400	
11. Unknown	28.27	390	
12. Unknown	28.68	510	
13. Unknown	28.93	500	
14. Unknown	31.23	470	
15. Unknown	32.61	650	
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION	6940

SEVERN TRENT SERVICES

Client ID: **EB-4_16-16.5**
Site: Rexam DSI

Lab Sample ID: **237839**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/29/00
GC Front Column: DB-5
GC Rear Column: DB-608
Instrument ID: PESTGC5.i
Front File ID: pf026327.d
Rear File ID: pr026327.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 8

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg	Column
Aroclor-1016	ND	73	R
Aroclor-1221	ND	73	R
Aroclor-1232	ND	73	R
Aroclor-1242	ND	73	R
Aroclor-1248	ND	73	R
Aroclor-1254	ND	73	R
Aroclor-1260	ND	73	R
Aroclor-1262	ND	73	R
Aroclor-1268	ND	73	R

SEVERN TRENT SERVICES

Client ID: **EB-4 16-16.5**
Site: **Rexam DSI**

Lab Sample No: 237839
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00

Matrix: SOLID
Level: LOW
% Moisture: 7.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Antimony	ND	1.3	N	P
Arsenic	1.6	0.69		P
Beryllium	0.24	0.065	B	P
Cadmium	ND	0.087		P
Chromium	6.7	0.35		P
Copper	11.3	0.80	*	P
Lead	34.2	0.50	*	P
Mercury	0.14	0.018		CV
Nickel	6.9	0.35	B	P
Selenium	ND	0.91		P
Silver	ND	0.30		P
Thallium	ND	1.0		P
Zinc	61.9	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

STL Envirotech
777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): Mark Roman	Samplers Name (Printed): Stephen Laney (SEL)	Site/Project Identification: Rexam DSI, Brownville, NY
Company: Envision Environmental, Inc.	P.O. #	State (Location of site): NJ: ☐ NY: ☒ Other:
Address: 21 Priscilla Lane		Regulatory Program:
City: Howell State: NJ 07731	Analysis Turnaround Time: Standard ☐	
Phone: (732)886-1664 Fax: (732)886-2925	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☒ 2day	

Sample Identification	Date	Time	Matrix	No. of Cont.	VOC+10 Rel Stray Lenney	BN+15	PPM	PCB								Sample Numbers
EB-1 6-12"	10-25-00	0930	Soil	2	✓	✓	✓									237812
EB-2 Catch Basin	"	1030	"	2	✓	✓	✓									237813
EB-3 16-16.5'	"	1130	"	2	✓	✓	✓	✓								237814
EB-4 1.5-2'; 16-16.5'	"	1400 / 1430	"	4	✓	✓	✓	✓								237815 (237835)
EB-5 1.2-1.7'	"	1530	"	2	✓	✓										237816
EB-6 Outfall	"	1645	"	2	✓	✓										237817
TPE-1	"	1110	"	2	✓	✓										237818
TPE-2	"	1030	"	2	✓	✓										237819
TPE-3	"	1500	"	2	✓	✓	✓	✓*								237820
																—
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH				Soil:												
6 = Other _____, 7 = Other _____				Water:												

LAB USE ONLY
Project No: _____
Job No: E104

Special Instructions Emergency Rush 2day TAT Fax results to SEL asap 908-904-9022 908-904-1421 FAX Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) Stephen Laney	HYDRO-GEO CORP.	10:27	1)	
2)	STC	10:27 12:10	2)	STC
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL Envirotech
777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): Mark Roman	Samplers Name (Printed): Stephen Laney (SEL)	Site/Project Identification: Rexam DSI, Brownville, NY
Company: Envision Environmental Inc.	P.O. #	State (Location of site): NJ: ☐ NY: ☐ Other:
Address: 21 Priscilla Lane	Analysis Turnaround Time: Standard ☐	Regulatory Program:
City: Howell State: NJ 07731	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☒ 2day	LAB USE ONLY Project No:
Phone: (732)886-1664 Fax: (732)886-2925		Job No: F104

Sample Identification	Date	Time	Matrix	No. of Cont.	VOC+10	BN+15	PAM	Sample Numbers
MW-1	10-25-00	1625	AQUEOUS	5	✓	✓	✓	237821
PZ-2	"	1650	"	5	✓	✓	✓	237822
Trip Blank-1	10-24-00		"	2	✓			237823
Field Blank	10-25-00	1645	"	4	✓	✓	✓	237824

Preservation Used: 1 = ICE, (2) = HCl, 3 = H_2SO_4, (4 = HNO_3), 5 = NaOH, 6 = Other _____, 7 = Other _____

Soil:								
Water:	2		4					

Special Instructions: Emergency Rush 2 day TAT Fax results to SEL asap FAX 908-904-9022 908-904-1421 Water Metals Filtered (Yes/No)? _____

	Relinquished by	Company	Date / Time	Received by	Company
1)	Stephen Laney	HYDRO-GEO CORP	10-27-00 1		STL
2)		STL	10.27 1210		STL
3)					
4)					

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

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CHAIN OF CUSTODY / ANALYSIS REQUEST

STL Envirotech
777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900

Name (for report and invoice) **Mark Roman**	Samplers Name (Printed) Steve LANEY/UMINSKI	Site/Project Identification **Rexam - Brownville, NY**
Company **Envision Environmental**	P.O. #	State (Location of site): NJ: ☐ NY: ☒ Other:
Address **21 Pricilla Lane**		Regulatory Program:
City **Howell, NJ 07731** State Zip	Analysis Turnaround Time: Standard ☐	
Phone **732-886-1664** Fax	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☒ 2 X day	

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY
Project No:
Job No: F104

Sample Identification	(feet) Depth	Date	Time	Matrix	No. of Cont.	VOC+10	BN +15	PP Metals	PCB	Sample Numbers
RC-1 2nd floor		10-26-00	1030	Soil	2	✓	✓		✓	237825
RC-2 3rd "		"	1045	"	"	✓	✓		✓	237826
RC-3 3rd "		"	1120	"	"	✓	✓		✓	237827
RC-4 4th "		"	1145	"	"	✓	✓		✓	237828
ES-1 Elevator shaft, 4th "		"	1150	"	"	✓	✓		✓	237829
Trip Blank -2		10-24-00		AQUEOUS	2	✓				237830
Field Blank		10-26-	0900	AQUEOUS	4	✓	✓		✓	237831
										—

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____

Soil:
Water: 2

Special Instructions 2day TAT! Please fax results to Steve Laney, fax 908-904-1421 asap.
Please remit invoice to Mark Roman with data to Hydro-Geo office.

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) Stephen Laney	HYDRO-GEO CORPORATION	10/27/00	1)	STL
2)	STL	10:27, 1710	2)	GTC
3)			3)	

STL Envirotech. Laboratory Certification Number: New Jersey (12543)

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: F104 **Site:** Rexam DSI

Client: Hydro-Geo Corporation

VOAMS

WATER - 624

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
237821	10/25/2000	10/27/2000			10/30/00	EMR	3599
237822	10/25/2000	10/27/2000			↓		/
237824	10/25/2000	10/27/2000					3567

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: F104 **Site:** Rexam DSI

Client: Hydro-Geo Corporation

VOAMS

WATER - 624

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
237831	10/26/2000	10/27/2000			10/30/00	JMR	3567

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: E104 Site: Rexam DSI

Client: Hydro-Geo Corporation

VOAMS

SOLID - 8260B

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
237825	10/26/2000	10/27/2000			10/31/00	KLB	1918
237826	10/26/2000	10/27/2000				FM	
237827	10/26/2000	10/27/2000					
237828	10/26/2000	10/27/2000					
237829	10/26/2000	10/27/2000					

WATER - 624

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
237823	10/24/2000	10/27/2000			10/30/00	MR	3599
237830	10/24/2000	10/27/2000					3567

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: E104 **Site:** Rexam DSI

Client: Hydro-Geo Corporation

VOAMS

SOLID - 8260B

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
237812	10/25/2000	10/27/2000			10/29/00	KLB	1914
237813	10/25/2000	10/27/2000			↓	↓	↓
237814	10/25/2000	10/27/2000			↓	↓	↓
237815	10/25/2000	10/27/2000			10/30/00	AT	1914
237815MS	10/25/2000	10/27/2000					
237815SD	10/25/2000	10/27/2000					
237816	10/25/2000	10/27/2000			10/30/00	AT	1914
237817	10/25/2000	10/27/2000			↓	↓	↓
237818	10/25/2000	10/27/2000			10/31/00	AT	↓
237819	10/25/2000	10/27/2000			10/30/00	↓	↓
237820	10/25/2000	10/27/2000			↓	↓	↓
237839	10/25/2000	10/27/2000			10/31/00	↓	↓

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: F104 **Site:** Rexam DSI

Client: Hydro-Geo Corporation

BNAMS

WATER - 625

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
237821	10/25/2000	10/27/2000	10/28/00	S. W.	10-30-00	LE	5891
237822	10/25/2000	10/27/2000	↓	↓	10-31-00	↓	↓
237824	10/25/2000	10/27/2000	↓	↓	↓	↓	↓

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: F104 **Site:** Rexam DSI

Client: Hydro-Geo Corporation

BNAMS

WATER - 625

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
237831	10/26/2000	10/27/2000	10/28/00	S.W.	10-31-00	LE	5891

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: F104 **Site:** Rexam DSI

Client: Hydro-Geo Corporation

BNAMS

SOLID - 8270C

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
237812	10/25/2000	10/27/2000	10/28/00	O.F.	10-30-00	MA	6924
237813	10/25/2000	10/27/2000	↓	↓	↓	↓	↓
237814	10/25/2000	10/27/2000			11-01-00	MA	
237815	10/25/2000	10/27/2000			10-31-00	MA	
237816	10/25/2000	10/27/2000			10-30-00	MA	
237817	10/25/2000	10/27/2000			10-31-00	MA	
237818	10/25/2000	10/27/2000			10-30-00	MA	
237819	10/25/2000	10/27/2000			↓	↓	
237820	10/25/2000	10/27/2000			11-01-00	MA	
237820MS	10/25/2000	10/27/2000			↓	↓	
237820SD	10/25/2000	10/27/2000			↓	↓	
237839	10/25/2000	10/27/2000	↓	↓	10-31-00	MA	↓

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: E104 **Site:** Rexam DSI

Client: Hydro-Geo Corporation

BNAMS

SOLID - 8270C

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
237825	10/26/2000	10/27/2000	10/28/00	D.F.	10-31-00	MA	6924
237826	10/26/2000	10/27/2000	↓	↓	↓	↓	↓
237827	10/26/2000	10/27/2000			11-15-00	MA	
237828	10/26/2000	10/27/2000			11-01-00	MA	
237829	10/26/2000	10/27/2000			10-30-00	MA	

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: F104 Site: Rexam DSI

Client: Hydro-Geo Corporation

PESTGC

608

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
WATER							
237831	10/26/2000	10/27/2000	11-8-00	DS	11-8-00	AB	7010

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: E104 **Site:** Rexam DSI

Client: Hydro-Geo Corporation

PESTGC

8082

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
SOLID							
237814	10/25/2000	10/27/2000	10/28/00	V.P.	10-29-00	SK	7008
237815	10/25/2000	10/27/2000					
237820	10/25/2000	10/27/2000			11-1-00	SZ	7005
237825	10/26/2000	10/27/2000			10-29-00	SK	7008
237826	10/26/2000	10/27/2000					
237827	10/26/2000	10/27/2000					
237828	10/26/2000	10/27/2000					
237829	10/26/2000	10/27/2000					
237839	10/25/2000	10/27/2000					

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: F104 **Site:** Rexam DSI

Client: Hydro-Geo Corporation **Date Sampled:** 10/25/2000

Sample No.: 237824 **Date Received:** 10/27/2000

Matrix: WATER

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/30/00	MP	10/30/00	MP	10425
ANTIMONY	10/30/00	SS	10/31/00	DE	10425
ARSENIC	↓	↓	↓	↓	↓
LEAD					
SELENIUM					
THALLIUM					
BERYLLIUM					
CADMIUM					
CHROMIUM					
COPPER					
NICKEL					
SILVER					
ZINC					

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: F104 **Site:** Rexam DSI

Client: Hydro-Geo Corporation **Date Sampled:** 10/25/2000

Sample No.: 237822 **Date Received:** 10/27/2000

Matrix: WATER

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/30/00	MP	10/30/00	MP	10425
ANTIMONY	10/30/00	DS	10/31/00	DE	10425
ARSENIC	↓	↓	↓	↓	↓
LEAD					
SELENIUM					
THALLIUM					
BERYLLIUM					
CADMIUM					
CHROMIUM					
COPPER					
NICKEL					
SILVER					
ZINC					

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: E104 **Site:** Rexam DSI

Client: Hydro-Geo Corporation **Date Sampled:** 10/25/2000

Sample No.: 237821 **Date Received:** 10/27/2000

Matrix: WATER

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/30/00	MP	10/30/00	MP	10425
ANTIMONY	10/30/00	SS	10/31/00	DE	10425
ARSENIC	↓	↓	↓	↓	↓
LEAD	↓	↓	↓	↓	↓
SELENIUM	↓	↓	↓	↓	↓
THALLIUM	↓	↓	↓	↓	↓
BERYLLIUM	↓	↓	↓	↓	↓
CADMIUM	↓	↓	↓	↓	↓
CHROMIUM	↓	↓	↓	↓	↓
COPPER	↓	↓	↓	↓	↓
NICKEL	↓	↓	↓	↓	↓
SILVER	↓	↓	↓	↓	↓
ZINC	↓	↓	↓	↓	↓

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: F104 **Site:** Rexam DSI

Client: Hydro-Geo Corporation **Date Sampled:** 10/25/2000

Sample No.: 237839 **Date Received:** 10/27/2000

Matrix: SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/30/00	BTR	10/30/00	BTR	10423
ARSENIC	10/30/00	CAR	10/31/00	YH	10423
SELENIUM					
THALLIUM					
ANTIMONY					
BERYLLIUM					
CADMIUM					
CHROMIUM					
COPPER					
LEAD					
NICKEL					
SILVER					
ZINC					

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: F104 **Site:** Rexam DSI

Client: Hydro-Geo Corporation **Date Sampled:** 10/25/2000

Sample No.: 237820 **Date Received:** 10/27/2000

Matrix: SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/30/00	BTR	10/30/00	BTR	10423
ARSENIC	10/30/00	CAR	10/31/00	YH	10423
SELENIUM	↓	↓	↓	↓	↓
THALLIUM					
ANTIMONY					
BERYLLIUM					
CADMIUM					
CHROMIUM					
COPPER					
LEAD					
NICKEL					
SILVER					
ZINC					

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: F104 **Site:** Rexam DSI

Client: Hydro-Geo Corporation **Date Sampled:** 10/25/2000

Sample No.: 237815 **Date Received:** 10/27/2000

Matrix: SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/30/00	BTR	10/30/00	BTR	10423
ARSENIC	10/30/00	CAR	10/31/00	YH	10423
SELENIUM	↓	↓	↓	↓	↓
THALLIUM					
ANTIMONY					
BERYLLIUM					
CADMIUM					
CHROMIUM					
COPPER					
LEAD					
NICKEL					
SILVER					
ZINC					

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: F104 **Site:** Rexam DSI

Client: Hydro-Geo Corporation **Date Sampled:** 10/25/2000

Sample No.: 237814 **Date Received:** 10/27/2000

Matrix: SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/30/00	BTR	10/30/00	BTR	10423
ARSENIC	10/30/00	CAR	10/31/00	YH	10423
SELENIUM	↓	↓	↓	↓	↓
THALLIUM	↓	↓	↓	↓	↓
ANTIMONY	↓	↓	↓	↓	↓
BERYLLIUM	↓	↓	↓	↓	↓
CADMIUM	↓	↓	↓	↓	↓
CHROMIUM	↓	↓	↓	↓	↓
COPPER	↓	↓	↓	↓	↓
LEAD	↓	↓	↓	↓	↓
NICKEL	↓	↓	↓	↓	↓
SILVER	↓	↓	↓	↓	↓
ZINC	↓	↓	↓	↓	↓

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: F104 **Site:** Rexam DSI

Client: Hydro-Geo Corporation **Date Sampled:** 10/25/2000

Sample No.: 237813 **Date Received:** 10/27/2000

Matrix: SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/30/00	BTR	10/30/00	BTR	10423
ARSENIC	10/30/00	CAR	10/31/00	YH	10423
SELENIUM					
THALLIUM					
ANTIMONY					
BERYLLIUM					
CADMIUM					
CHROMIUM					
COPPER					
LEAD					
NICKEL					
SILVER					
ZINC					

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: F104 **Site:** Rexam DSI

Client: Hydro-Geo Corporation **Date Sampled:** 10/25/2000

Sample No.: 237812 **Date Received:** 10/27/2000

Matrix: SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	10/30/00	BTR	10/30/00	BTR	10423
ARSENIC	10/30/00	CAR	10/31/00	YH	10423
SELENIUM					
THALLIUM					
ANTIMONY					
BERYLLIUM					
CADMIUM					
CHROMIUM					
COPPER					
LEAD					
NICKEL					
SILVER					
ZINC					

Analytical Methodology Summary

Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B. Water samples are analyzed for volatile organics by purge and trap GC/PID and GC/ELCD as specified in EPA Methods 601 and 602. Solid samples are analyzed by GC/PID and GC/ELCD in accordance with SW-846, 3rd Edition Method 8021B.

Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

Organochlorine Pesticides and PCBs:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for organochlorine pesticides and Method 8082 for PCBs.

Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

Metals Analysis:

Metals analyses are performed by any of four techniques specified by a Method Code provided on each data report page, as follows:

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

A - Flame Atomic Absorption

F - Furnace Atomic Absorption

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in "Methods for Chemical Analysis of Water and Wastewater" (EPA 600/4-79-020). Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition); samples are digested according to Method 3050B "Acid Digestion of Soil, Sediments and Sludges."

Specific method references for ICP analyses are water Method 200.7 and solid Method 6010B. Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1 and solid Method 7471A. Other specific Atomic Absorption method references are as follows:

	Water Test Method		Solid Test Method	
Element	Flame	Furnace	Flame	Furnace
Aluminum	202.1	202.2	7020	--
Antimony	204.1	204.2	7040	7041
Arsenic	--	206.2	--	7060
Barium	208.1	--	7080	--
Beryllium	210.1	210.2	7090	7091
Cadmium	213.1	213.2	7130	7131
Calcium	215.1	--	7140	--
Chromium, Total	218.1	218.2	7190	7191
Chromium, (+6)	218.4	218.5	7197	7195
Cobalt	219.1	219.2	7200	7201
Copper	220.1	220.2	7210	--
Iron	236.1	236.2	7380	--
Lead	239.1	239.2	7420	7421
Magnesium	242.1	--	7450	--
Manganese	243.1	243.2	7460	--
Nickel	249.1	249.2	7520	--
Potassium	258.1	--	7610	--
Selenium	--	270.2	--	7740
Silver	272.1	272.2	7760	--
Sodium	273.1	--	7770	--
Tin	283.1	283.2	7870	--
Thallium	279.1	279.2	7840	7841
Vanadium	286.1	286.2	7910	7911
Zinc	289.1	289.2	7950	--

Cyanide:

Water samples are analyzed for cyanide using EPA Method 335.3. Cyanide is determined in solid samples as specified in the EPA Contract Laboratory Program IFB dated July 1988, revised February 1989.

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.2. Total phenols are determined in solid samples by preparing the sample as outlined in the EPA Contract Laboratory Program IFB for cyanide, followed by a phenols determination using EPA Method 420.1.

Cleanup of Semivolatile Extracts:

Upon request Method 3611B Alumina Column Cleanup and/or Method 3650B Acid-Base Partition Cleanup are performed to improve detection limits by the removal of saturated hydrocarbon interferences.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition). Specific method references are as follows:

Ignitability	- Method 1020A
Corrosivity	- Water pH Method 9040B Soil pH Method 9045C
Reactivity	- Chapter 7, Section 7.3.3 and 7.3.4 respectively for hydrogen cyanide and hydrogen sulfide release
Toxicity	- TCLP Method 1311

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, 17th Edition.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

ORGANIC DATA REPORTING QUALIFIERS

ND - The compound was not detected at the indicated concentration.

J - Mass spectral data indicates the presence of a compound that meets the identification criteria. The result is less than the specified quantitation limit but greater than zero. The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

INORGANIC DATA REPORTING QUALIFIERS (SW-846 METHODS ONLY)

ND - The compound was not detected at the indicated concentration.

B - Reported value is less than the Method Detection Limit but greater than or equal to the Instrument Detection Limit.

E - The reported value is estimated because of the presence of interference. See explanatory note in the Nonconformance Summary if the problem applies to all of the samples or on the individual Inorganic Analysis Data Sheet if the problem is isolated.

M - Duplicate injection precision not met on the Furnace Atomic Absorption analysis.

N - The spiked sample recovery is not within control limits.

S - The reported value was determined by the Method of Standard Additions (MSA).

* - Duplicate Analysis is not within control limits.

W - Post digestion spike for Furnace Atomic Absorption analysis is out of control.

\+ - Correlation coefficient for MSA is less than 0.995.

M Column - Method Qualifiers

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP).

A - Flame Atomic Absorption Spectroscopy (FAA).

F - Graphite Furnace Atomic Absorption Spectroscopy (GFAA).

CV - Cold Vapor Atomic Absorption Spectroscopy.

NON-CONFORMANCE SUMMARY

STL Envirotech Job Number: F164

Volatile Organics Analysis:

All data conforms with method requirements _____; or
Analysis was not requested _____; or
Non-conformance for the specific samples listed is as follows:
Multiple Smples have low IS areas resulting in high Surrogate recoveries Matrix effect confirmed by reanalysis (Method 8260: QA Batch 1918): % recovery of Toluene is outside of QC limits in MS: MS/MSD has low IS Areas.
See continuation page if checked ( )

Base/Neutral and/or Acid Extractable Organics:

All data conforms with method requirements _____; or
Analysis was not requested _____; or
Non-conformance for the specific samples listed is as follows:
(WB302): Low recovery of Surrogates #1 + #3 No remaining volume for re-extraction.
(237827): Low recovery of Surrogates #1 + #2 Confirmed as matrix effect by re-extraction / analysis.
See continuation page if checked ( )

PCBs and/or Organochlorine Pesticides:

All data conforms with method requirements _____; or
Analysis was not requested _____; or
Non-conformance for the specific samples listed is as follows:
(237831): Extracted and analyzed outside of holding time at client request.
See continuation page if checked ( )

Non-conformance Summary, Page 2 of 2
STL Edison Job Number: F104

Metals Analysis:

All data conforms with method requirements ✓; or
Analysis was not requested _____; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ( )

Total Petroleum Hydrocarbons Analysis:

All data conforms with method requirements _____; or
Analysis was not requested ✓; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ( )

General Chemistry/Disposal Analysis:

All data conforms with method requirements _____; or
Analysis was not requested ✓; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ( )

Signature of
Laboratory Manager: [signature] Date: 11-21-00

Client ID: **EB-1_6-12**
Site: Rexam DSI

Lab Sample No: **237812**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/29/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10441.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 15

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.8
Bromomethane	ND	5.8
Vinyl Chloride	ND	5.8
Chloroethane	ND	5.8
Methylene Chloride	0.8JB	3.5
Trichlorofluoromethane	ND	5.8
1,1-Dichloroethene	ND	2.3
1,1-Dichloroethane	ND	5.8
trans-1,2-Dichloroethene	ND	5.8
cis-1,2-Dichloroethene	ND	5.8
Chloroform	ND	5.8
1,2-Dichloroethane	ND	2.3
1,1,1-Trichloroethane	ND	5.8
Carbon Tetrachloride	ND	2.3
Bromodichloromethane	ND	1.2
1,2-Dichloropropane	ND	1.2
cis-1,3-Dichloropropene	ND	5.8
Trichloroethene	ND	1.2
Dibromochloromethane	ND	5.8
1,1,2-Trichloroethane	ND	3.5
Benzene	0.9J	1.2
trans-1,3-Dichloropropene	ND	5.8
2-Chloroethyl Vinyl Ether	ND	5.8
Bromoform	ND	4.7
Tetrachloroethene	ND	1.2
1,1,2,2-Tetrachloroethane	ND	1.2
Toluene	3.3J	5.8
Chlorobenzene	ND	5.8
Ethylbenzene	ND	4.7
Xylene (Total)	3.6J	5.8

Client ID: **EB-1_6-12**
Site: Rexam DSI

Lab Sample No: **237812**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/29/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10441.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 15.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown	3.93	16	
2.	Cyclohexane, methyl-	10.85	8.5	
3.	Unknown Siloxane	16.87	16	
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION: 40

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10441.d
Report Date: 01-Nov-2000 16:52

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10441.d
Lab Smp Id: 237812 Client Smp ID: EB-1_6-12
Inj Date : 29-OCT-2000 14:36
Operator : VOAMS 8 Inst ID: VOAMS1.i
Smp Info : 237812;;;5.03;5
Misc Info : F104;1914;KLB
Comment :
Method : /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/8260L_00.m
Meth Date : 29-Oct-2000 12:18 johnz Quant Type: ISTD
Cal Date : 20-OCT-2000 18:54 Cal File: a10343.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.03000	Weight of sample extracted (g)
M	15.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	6 Methylene Chloride	84	6.704	6.687	(0.664)	14773	0.70395	0.82(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	9.643	9.627	(0.955)	980453	53.2216	62
	28 Benzene	78	9.776	9.745	(0.968)	37625	0.73767	0.86(a)
*	19 Fluorobenzene	96	10.101	10.085	(1.000)	3089555	50.0000	
$	37 Toluene-d8 (SUR)	98	12.037	12.020	(0.876)	1648897	82.4568	96(R)
	38 Toluene	91	12.125	12.109	(0.883)	67187	2.81680	3.3(a)
*	32 Chlorobenzene-d5	117	13.736	13.719	(1.000)	1031542	50.0000	
M	45 Xylene (Total)	100				33766	3.10890	3.6(a)
$	41 Bromofluorobenzene (SUR)	174	15.021	15.004	(0.924)	342992	84.0176	98(R)
*	91 1,4-Dichlorobenzene-d4	152	16.262	16.245	(1.000)	185281	50.0000	
	44 o-Xylene	106	14.460	14.413	(1.053)	13532	1.27473	1.5(a)
	43 m+p-Xylene	106	14.002	13.955	(1.019)	20234	1.84216	2.2(a)

confirmed by a10453.

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10441.d
Report Date: 01-Nov-2000 16:52

QC Flag Legend

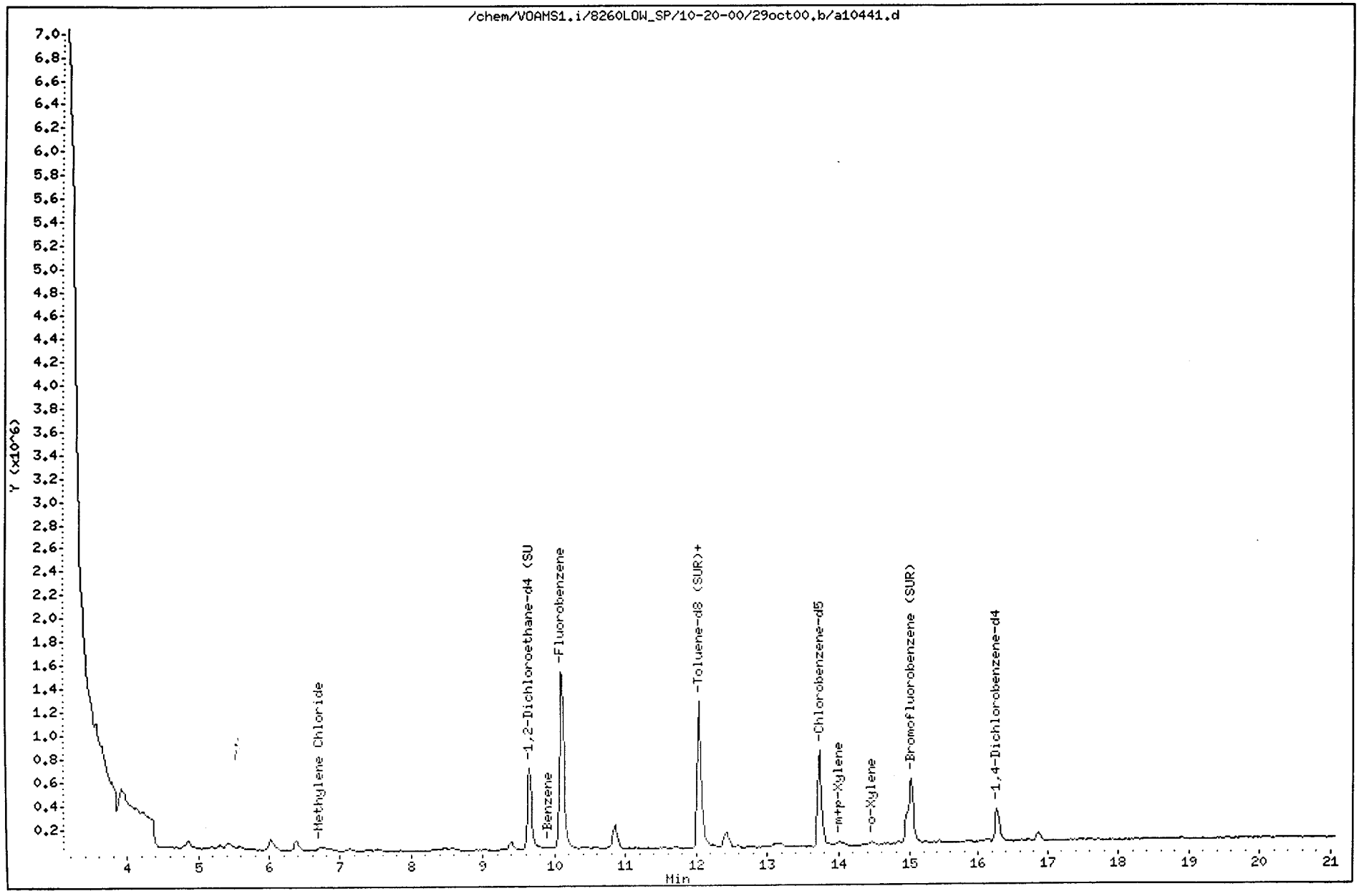
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10441.d
Date : 29-OCT-2000 14:36
Client ID: EB-1_6-12
Sample Info: 237812;;;5.03;5

Instrument: VOAMS1.i

Operator: VOAMS 8
Column diameter: 0.53

Column phase: DB624



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10441.d

Date : 29-OCT-2000 14:36

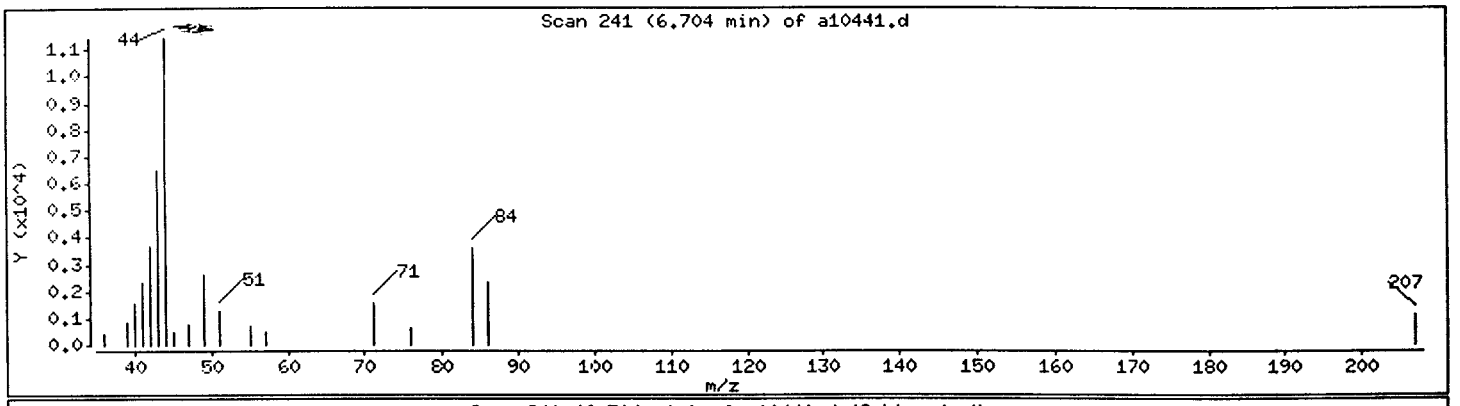
Client ID: EB-1_6-12 Instrument: VOAMS1.i

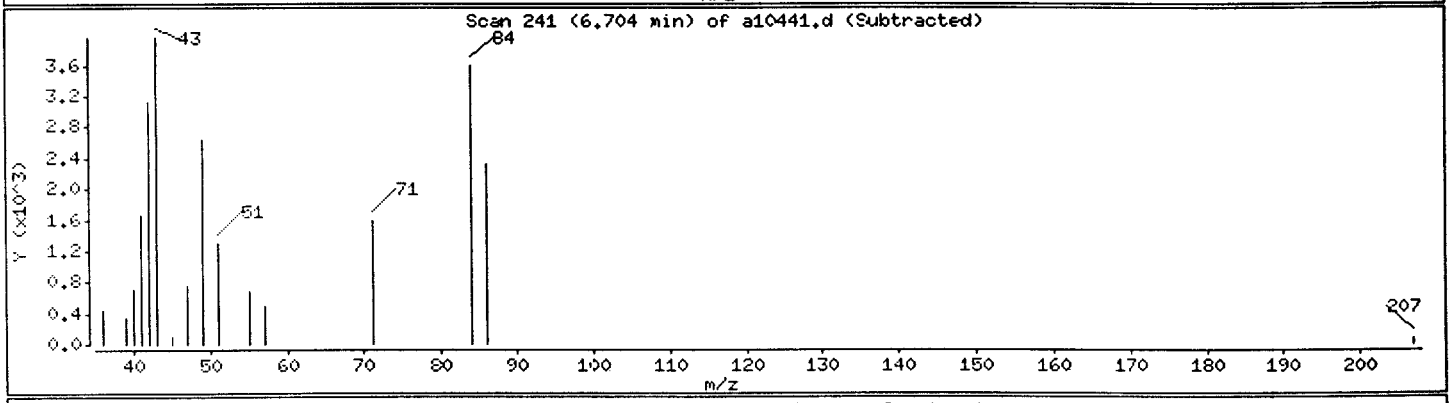
Sample Info: 237812;;;5.03;5

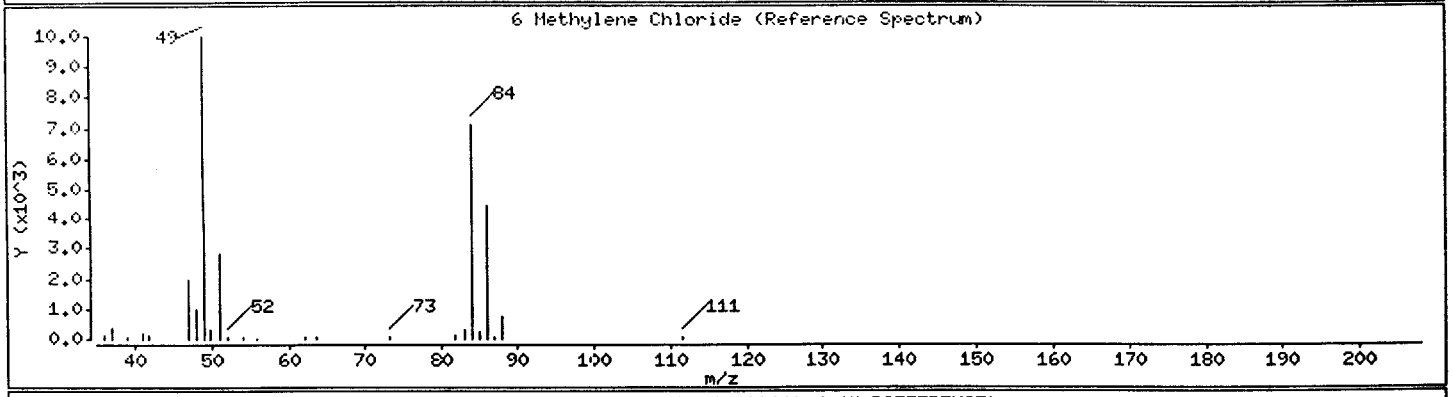
Operator: VOAMS 8

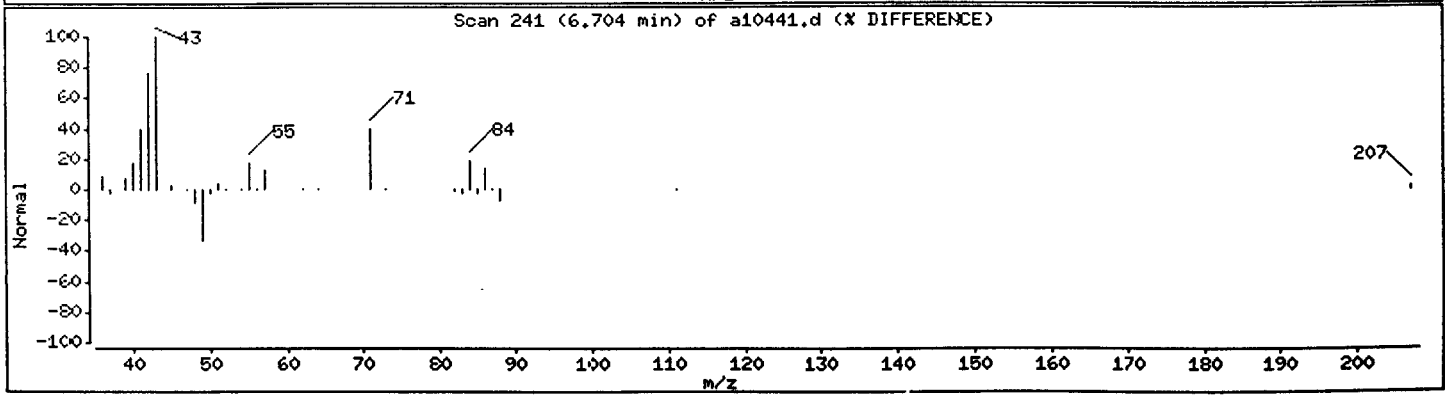
Column phase: DB624 Column diameter: 0.53

6 Methylene Chloride Concentration: 0.82 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10441.d

Date : 29-OCT-2000 14:36

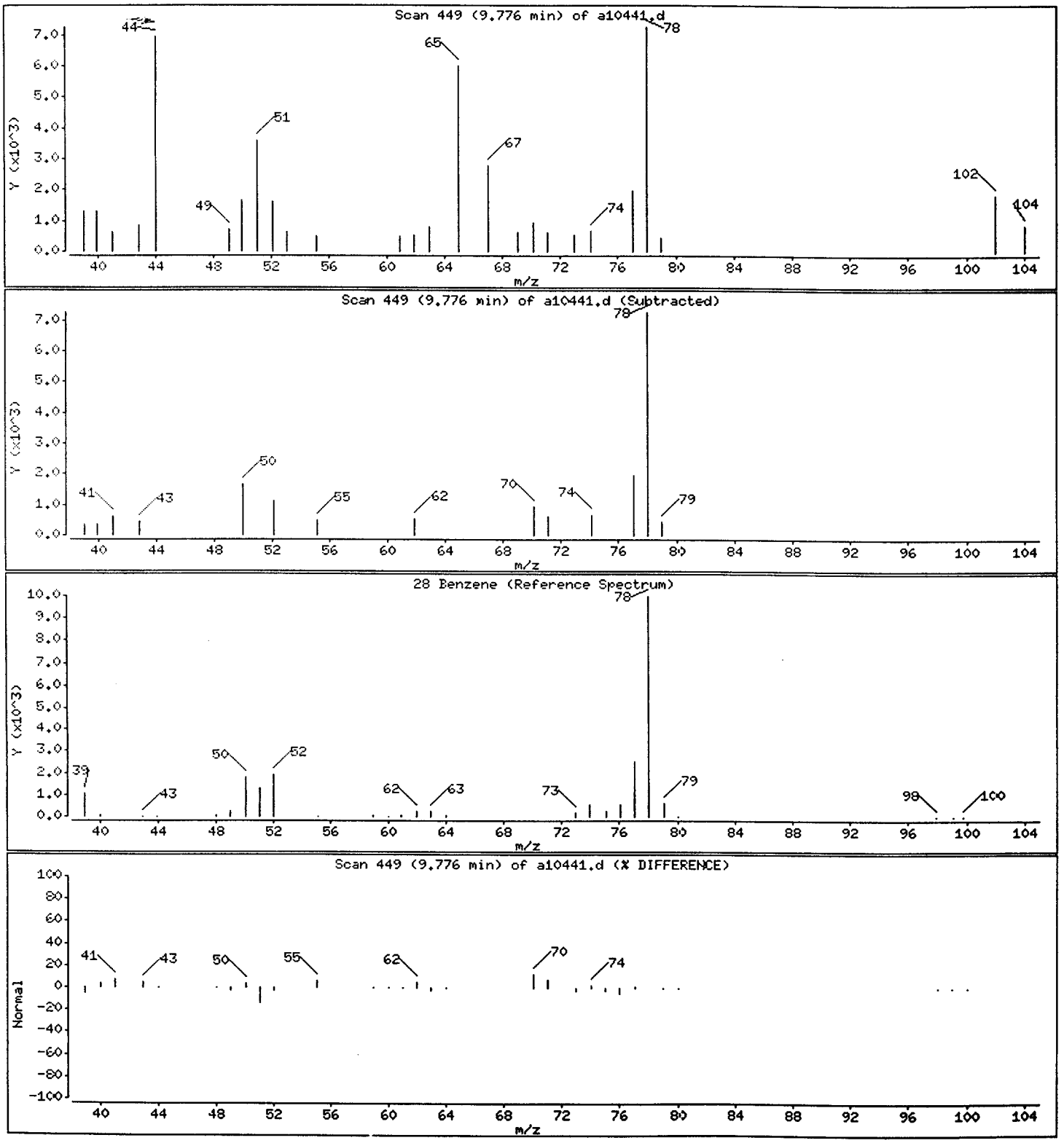
Client ID: EB-1_6-12 Instrument: VOAMS1.i

Sample Info: 237812;;;5.03;5

Operator: VOAMS 8

Column phase: DB624 Column diameter: 0.53

28 Benzene Concentration: 0.86 ug/Kg



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10441.d

Date : 29-OCT-2000 14:36

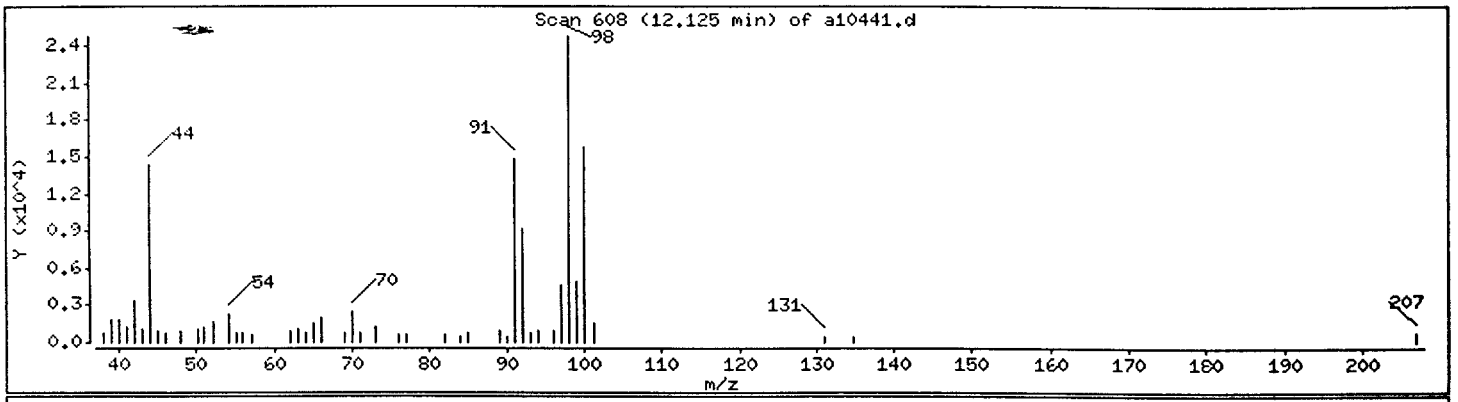
Client ID: EB-1_6-12 Instrument: VOAMS1.i

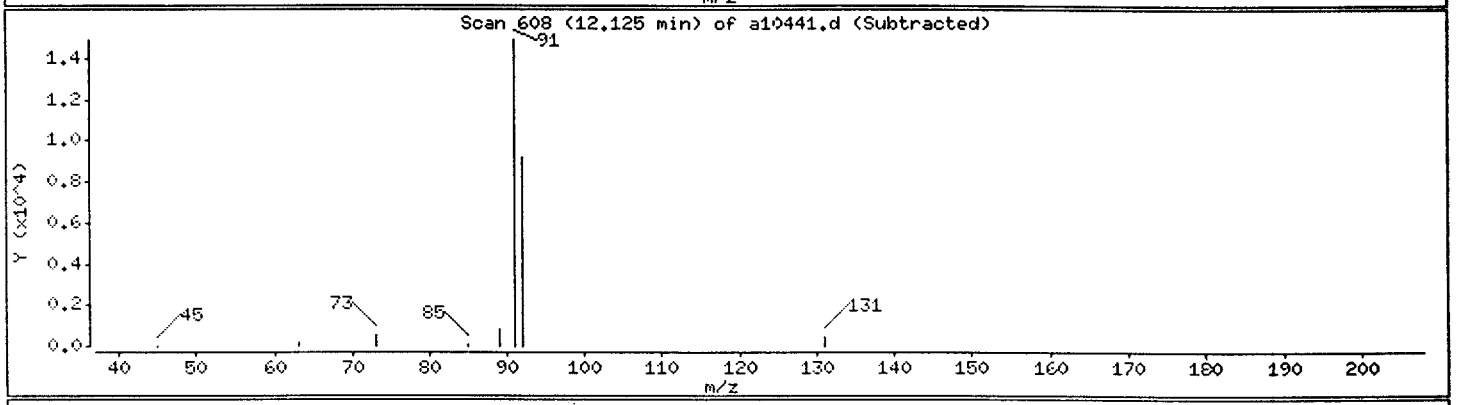
Sample Info: 237812;;;5.03;5

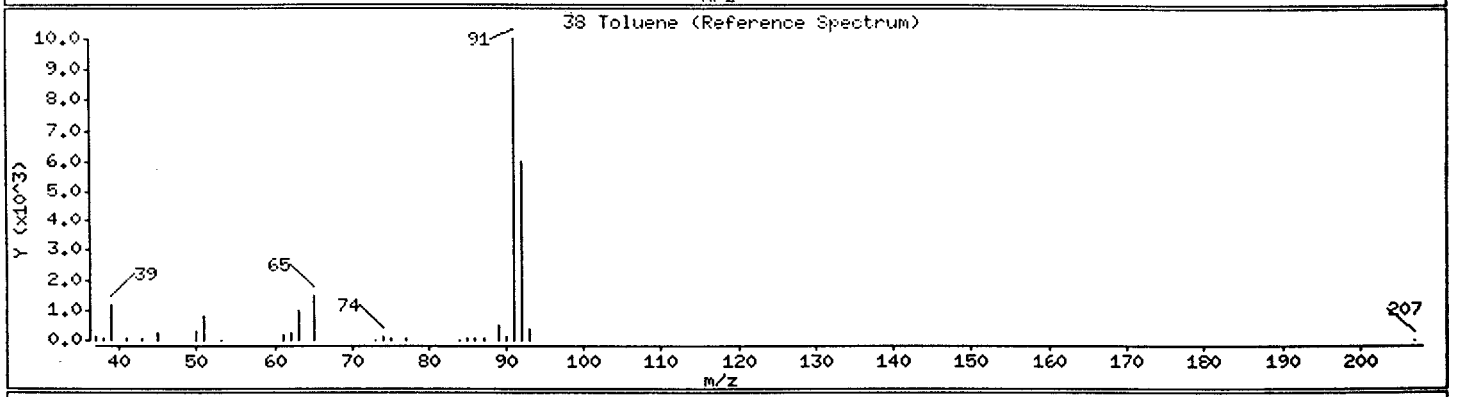
Operator: VOAMS 8

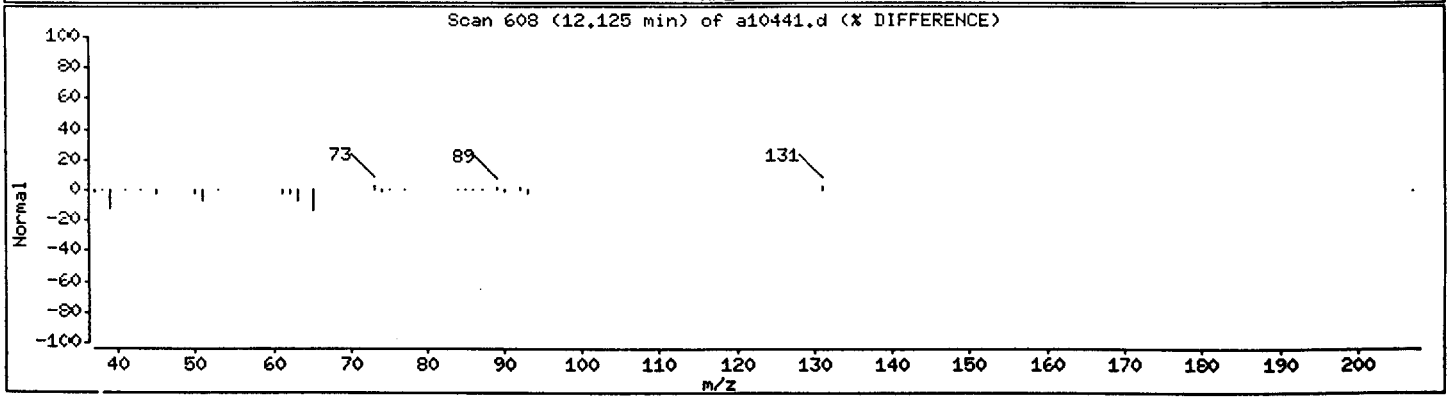
Column phase: DB624 Column diameter: 0.53

38 Toluene Concentration: 3.3 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10441.d

Date : 29-OCT-2000 14:36

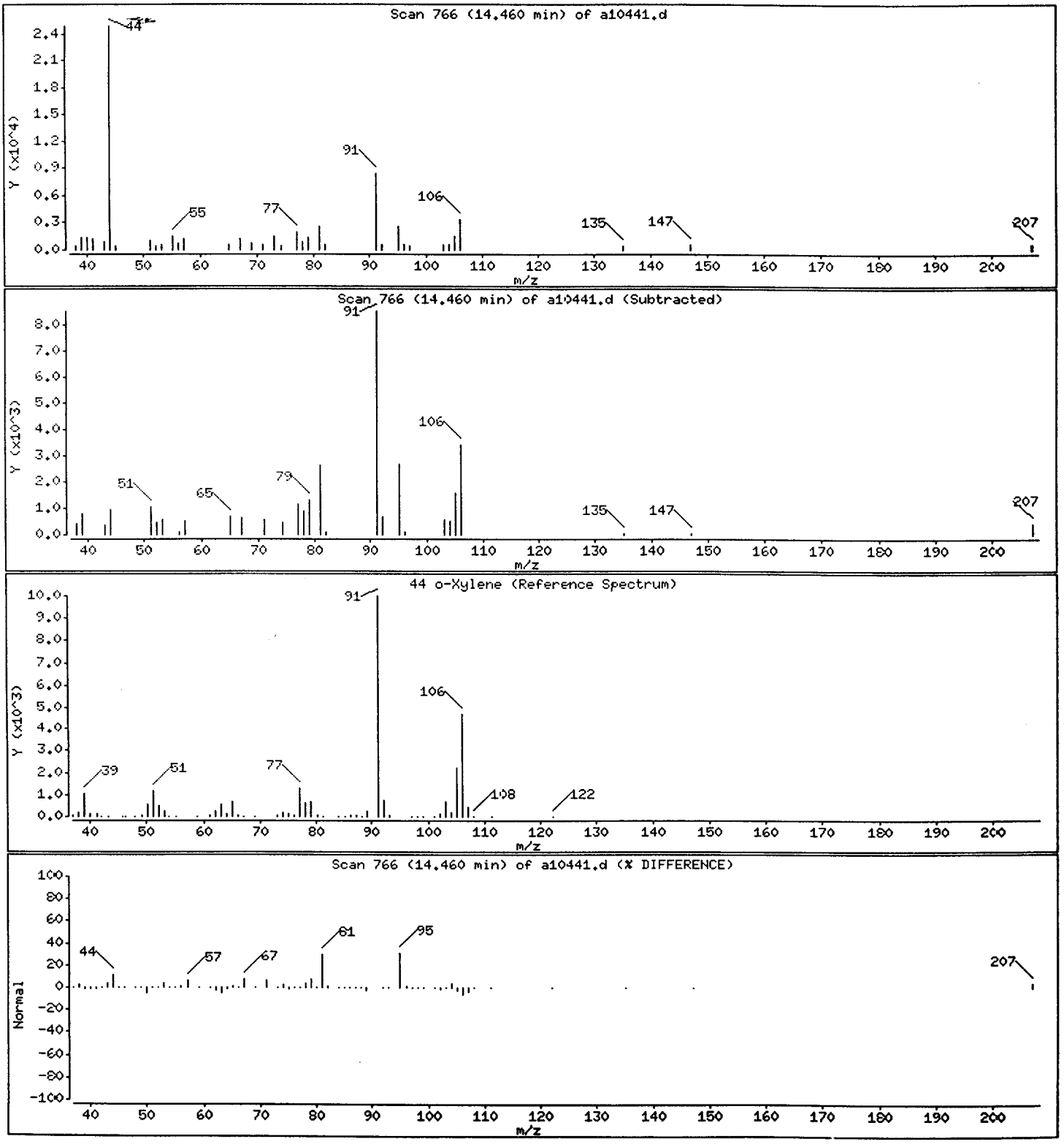
Client ID: EB-1_6-12 Instrument: VOAMS1.i

Sample Info: 237812;;;5.03;5

Operator: VOAMS 8

Column phase: DB624 Column diameter: 0.53

44 o-Xylene Concentration: 1.5 ug/Kg



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10441.d

Date : 29-OCT-2000 14:36

Client ID: EB-1_6-12

Instrument: VOAMS1.i

Sample Info: 237812;;;5.03;5

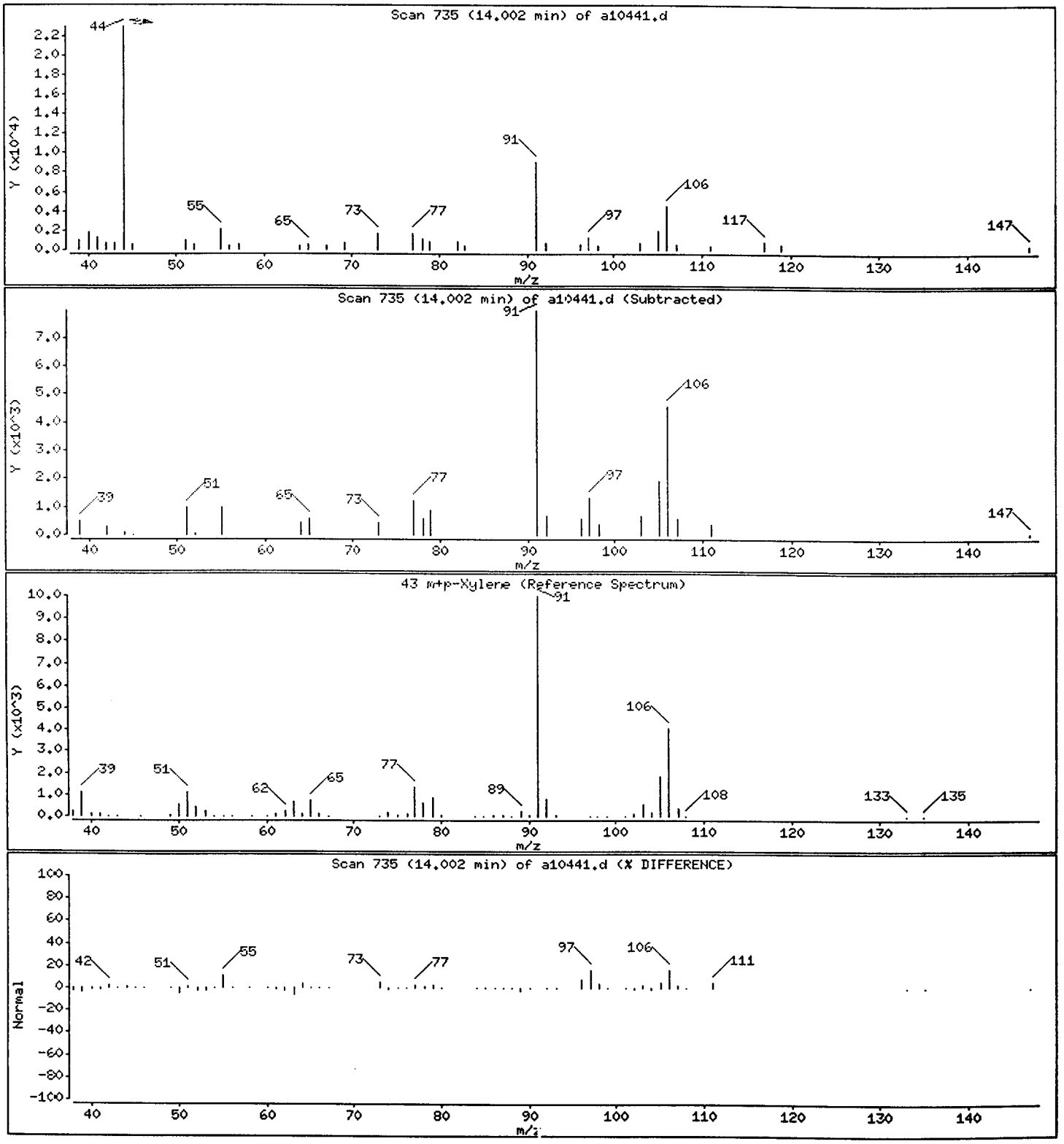
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

43 m+p-Xylene

Concentration: 2.2 ug/Kg



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10441.d

Date : 29-OCT-2000 14:36

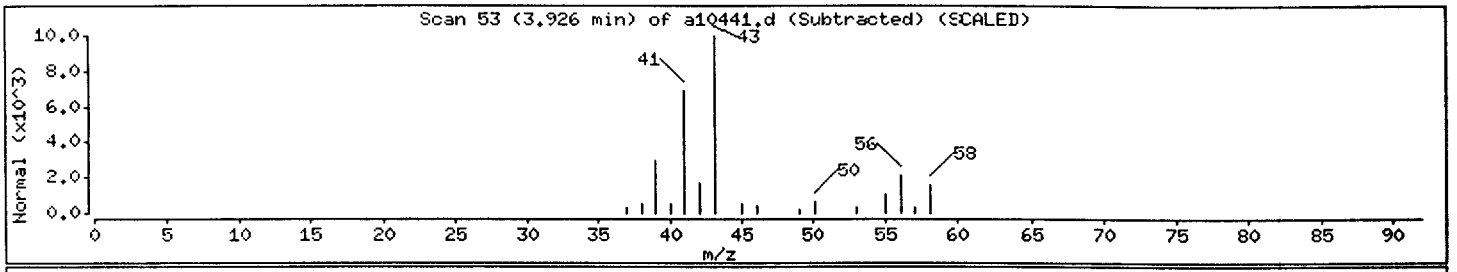
Client ID: EB-1_6-12 Instrument: VOAMS1.i

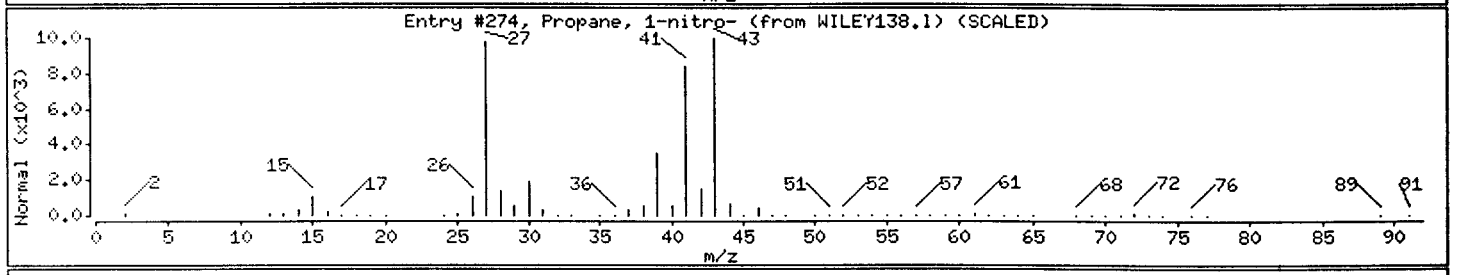
Sample Info: 237812;;;5.03;5

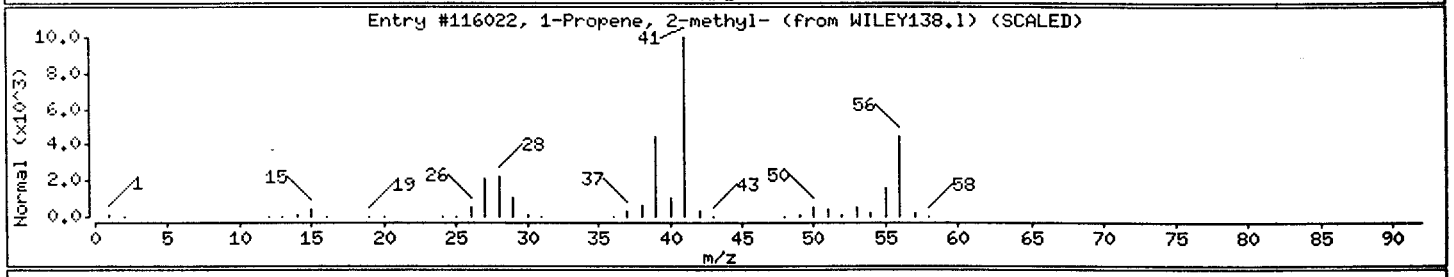
Operator: VOAMS 8

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Propane, 1-nitro-	108-03-2	WILEY138.l	274	37	C3H7NO2	89
1-Propene, 2-methyl-	115-11-7	WILEY138.l	116022	27	C4H8	56







Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10441.d

Date : 29-OCT-2000 14:36

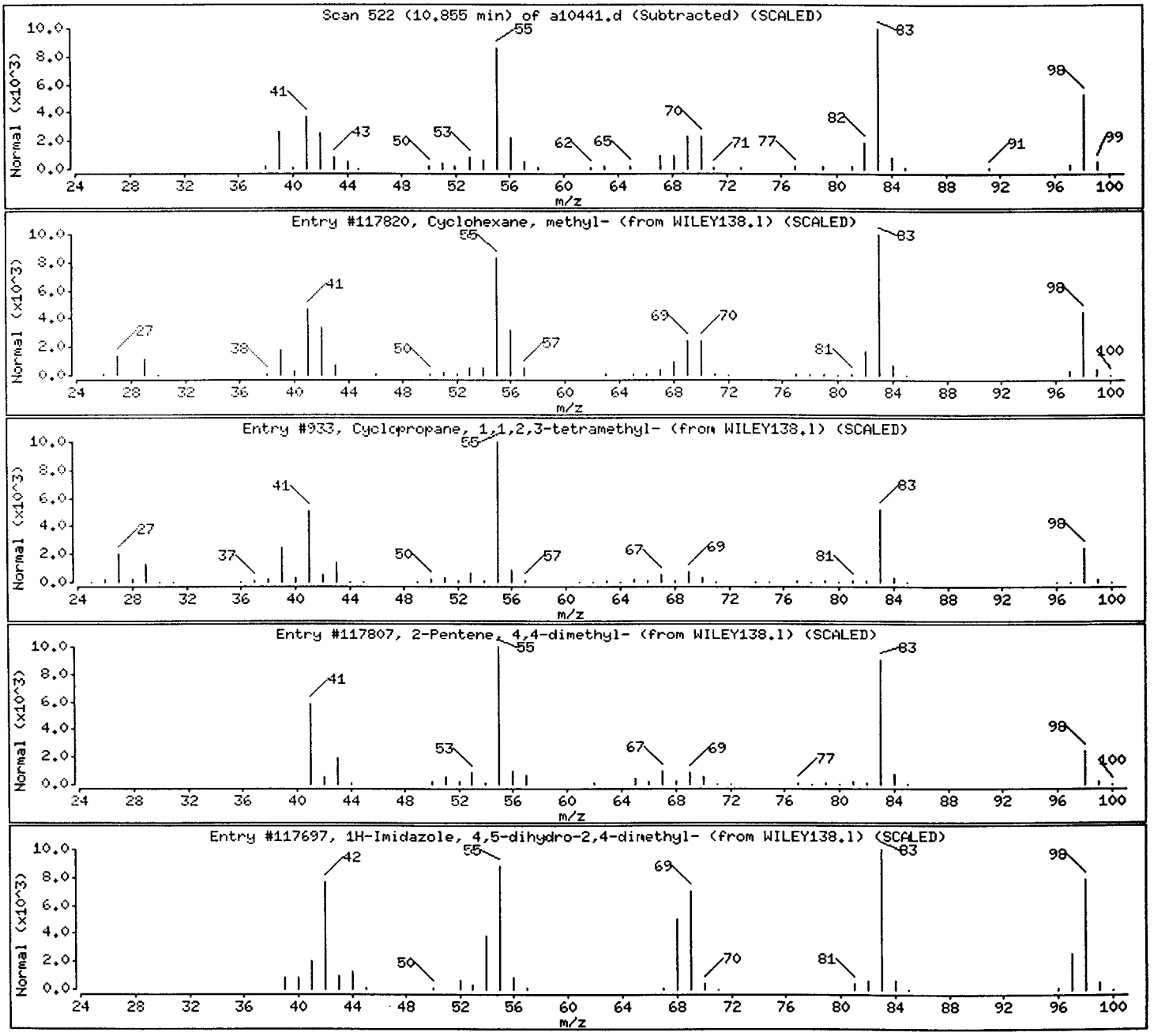
Client ID: EB-1_6-12 Instrument: VOAMS1.i

Sample Info: 237812;;;5.03;5

Operator: VOAMS 8

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclohexane, methyl-	108-87-2	WILEY138.1	117820	72	C7H14	98
Cyclopropane, 1,1,2,3-tetramethyl-	74752-93-5	WILEY138.1	933	53	C7H14	98
2-Pentene, 4,4-dimethyl-	26232-98-4	WILEY138.1	117807	53	C7H14	98
1H-Imidazole, 4,5-dihydro-2,4-dimethyl-	930-61-0	WILEY138.1	117697	53	C5H10N2	98



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10441.d

Date : 29-OCT-2000 14:36

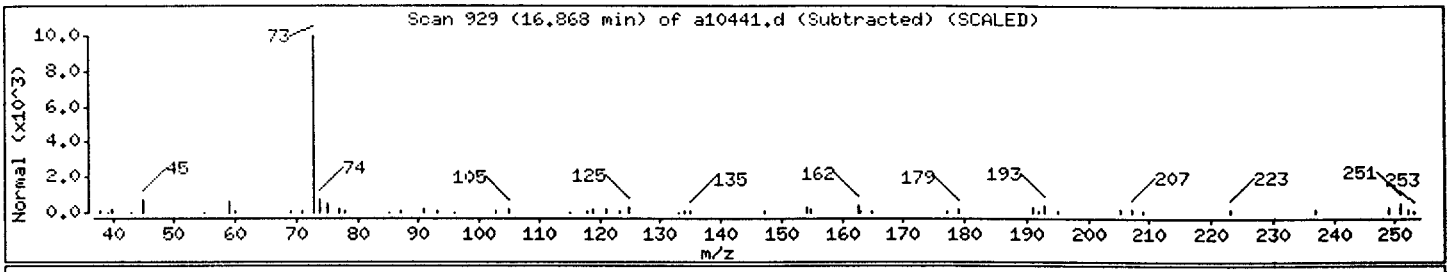
Client ID: EB-1_6-12 Instrument: VOAMS1.i

Sample Info: 237812;;;5.03;5

Operator: VOAMS 8

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Siloxane						
Unknown			0	0		0



Client ID: **EB-2_Catch_Basin**
Site: Rexam DSI

Lab Sample No: **237813**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/29/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10454.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.4 g
Purge Volume: 5.0 ml
% Moisture: 16

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.5
Bromomethane	ND	5.5
Vinyl Chloride	ND	5.5
Chloroethane	ND	5.5
Methylene Chloride	ND	3.3
Trichlorofluoromethane	ND	5.5
1,1-Dichloroethene	ND	2.2
1,1-Dichloroethane	ND	5.5
trans-1,2-Dichloroethene	ND	5.5
cis-1,2-Dichloroethene	ND	5.5
Chloroform	ND	5.5
1,2-Dichloroethane	ND	2.2
1,1,1-Trichloroethane	ND	5.5
Carbon Tetrachloride	ND	2.2
Bromodichloromethane	ND	1.1
1,2-Dichloropropane	ND	1.1
cis-1,3-Dichloropropene	ND	5.5
Trichloroethene	ND	1.1
Dibromochloromethane	ND	5.5
1,1,2-Trichloroethane	ND	3.3
Benzene	0.9J	1.1
trans-1,3-Dichloropropene	ND	5.5
2-Chloroethyl Vinyl Ether	ND	5.5
Bromoform	ND	4.4
Tetrachloroethene	ND	1.1
1,1,2,2-Tetrachloroethane	ND	1.1
Toluene	1.4J	5.5
Chlorobenzene	ND	5.5
Ethylbenzene	ND	4.4
Xylene (Total)	0.6J	5.5

Client ID: **EB-2_Catch_Basin**
Site: Rexam DSI

Lab Sample No: **237813**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/29/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10454.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.4 g
Purge Volume: 5.0 ml
% Moisture: 16.3

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Hexanal	12.92	7.5	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	7.5

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10454.d
Report Date: 01-Nov-2000 16:52

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10454.d
Lab Smp Id: 237813 Client Smp ID: EB-2_Catch_Basin
Inj Date : 29-OCT-2000 21:24
Operator : VOAMS 8 Inst ID: VOAMS1.i
Smp Info : 237813;;;5.41;5
Misc Info : F104;1914;KLB
Comment :
Method : /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/8260L_00.m
Meth Date : 29-Oct-2000 12:18 johnz Quant Type: ISTD
Cal Date : 20-OCT-2000 18:54 Cal File: a10343.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.41000	Weight of sample extracted (g)
M	16.30000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$	16 1,2-Dichloroethane-d4 (SUR)	65	9.655	9.627	(0.955)	1411597	47.4846	52
	28 Benzene	78	9.803	9.745	(0.969)	64973	0.78940	0.87(a)
*	19 Fluorobenzene	96	10.113	10.085	(1.000)	4985574	50.0000	
$	37 Toluene-d8 (SUR)	98	12.049	12.020	(0.876)	3443882	53.3609	59
	38 Toluene	91	12.152	12.109	(0.884)	96393	1.25215	1.4(a)
*	32 Chlorobenzene-d5	117	13.748	13.719	(1.000)	3329240	50.0000	
M	45 Xylene (Total)	100				20586	0.58727	0.65(a)
$	41 Bromofluorobenzene (SUR)	174	15.018	15.004	(0.923)	1827986	67.9760	75
*	91 1,4-Dichlorobenzene-d4	152	16.274	16.245	(1.000)	1220492	50.0000	
	43 m+p-Xylene	106	14.028	13.955	(1.020)	20586	0.58071	0.64(a)

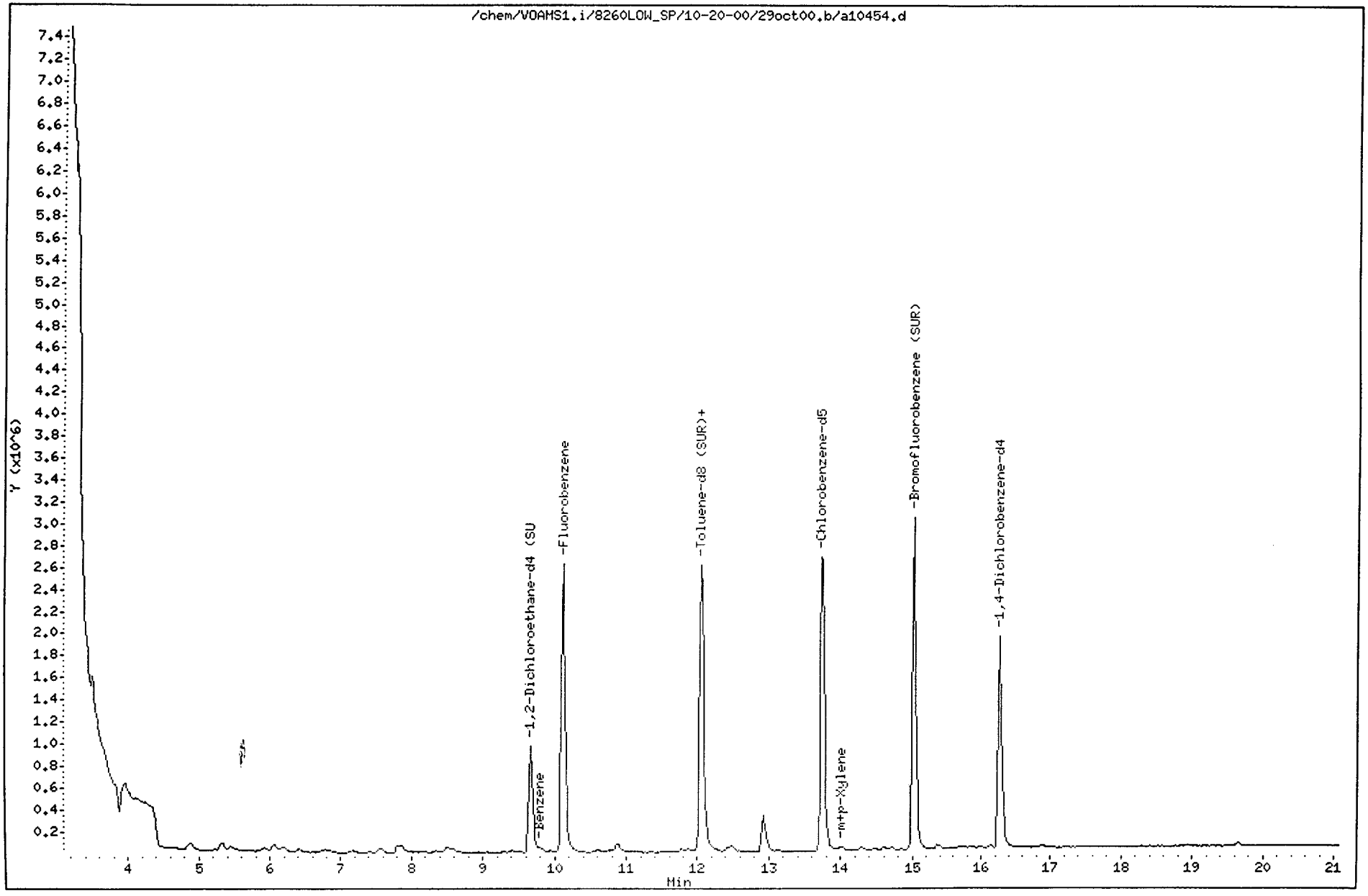
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10454.d
Date : 29-OCT-2000 21:24
Client ID: EB-2_Catch_Basin
Sample Info: 237813;;;5.41;5

Instrument: VOAMS1.i
Operator: VOAMS 8
Column diameter: 0.53

Column phase: DB624



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10454.d

Date : 29-OCT-2000 21:24

Client ID: EB-2_Catch_Basin

Instrument: VOAMS1.i

Sample Info: 237813;;;5.41;5

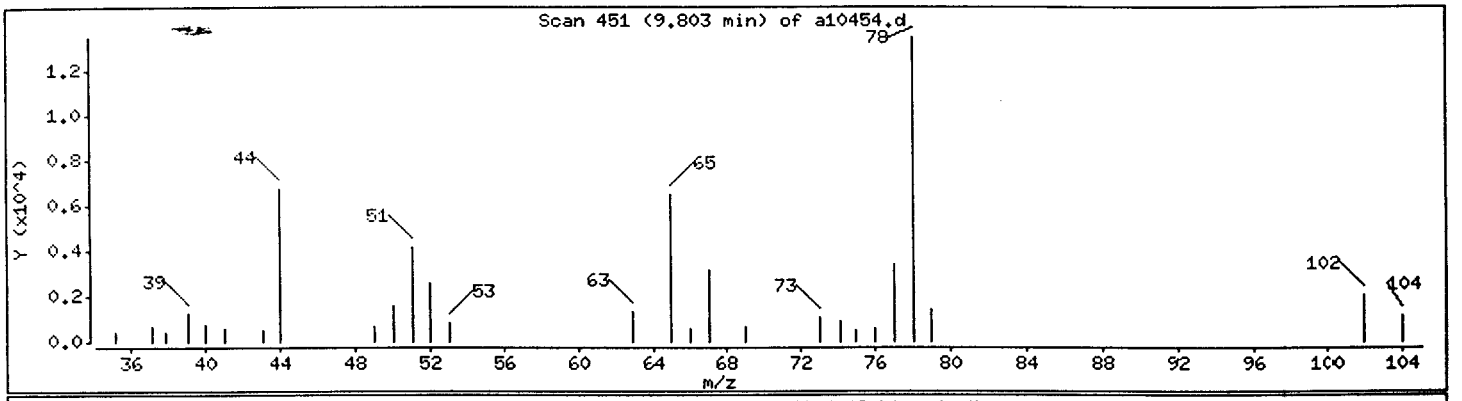
Operator: VOAMS 8

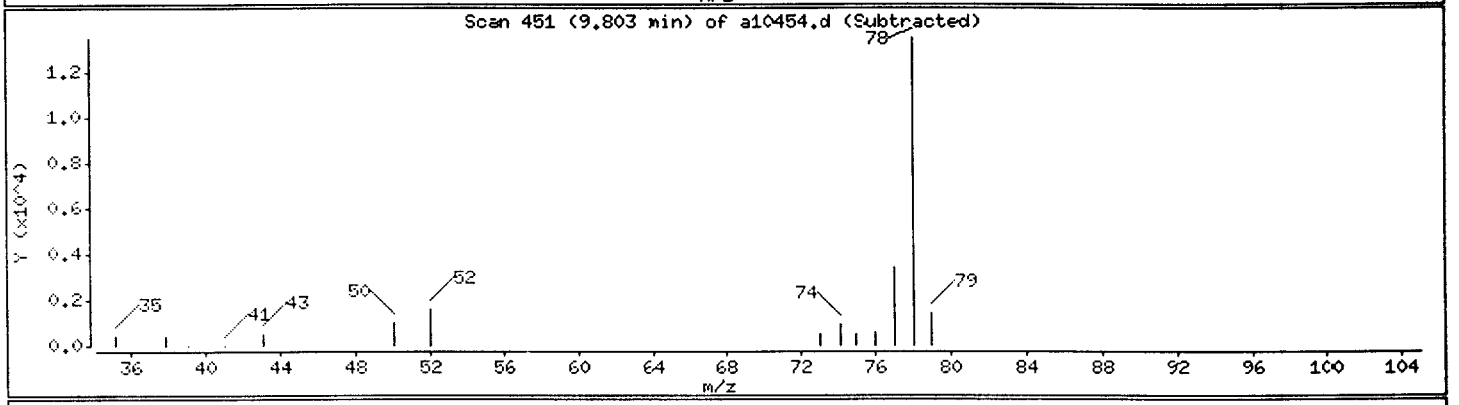
Column phase: DB624

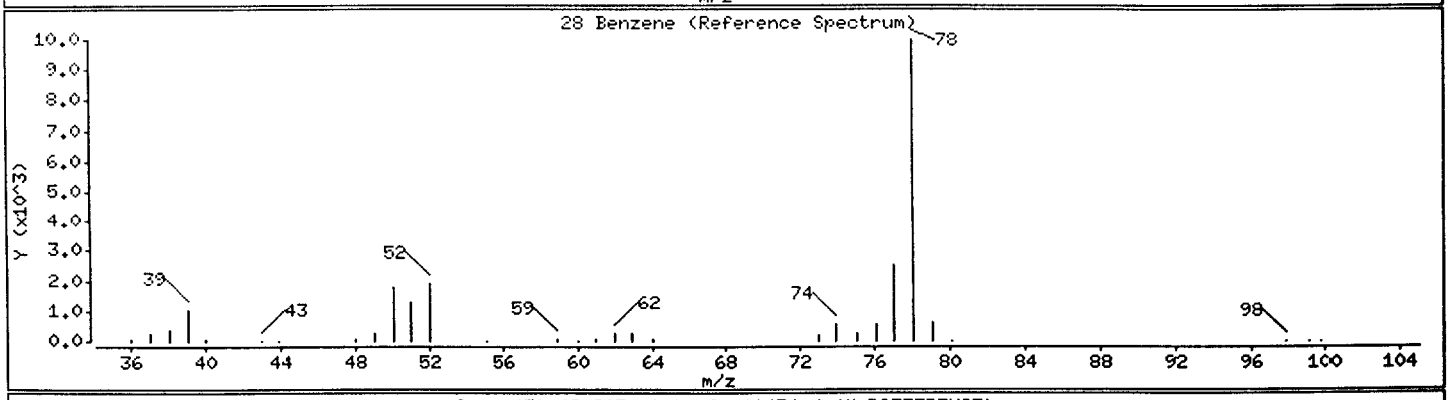
Column diameter: 0.53

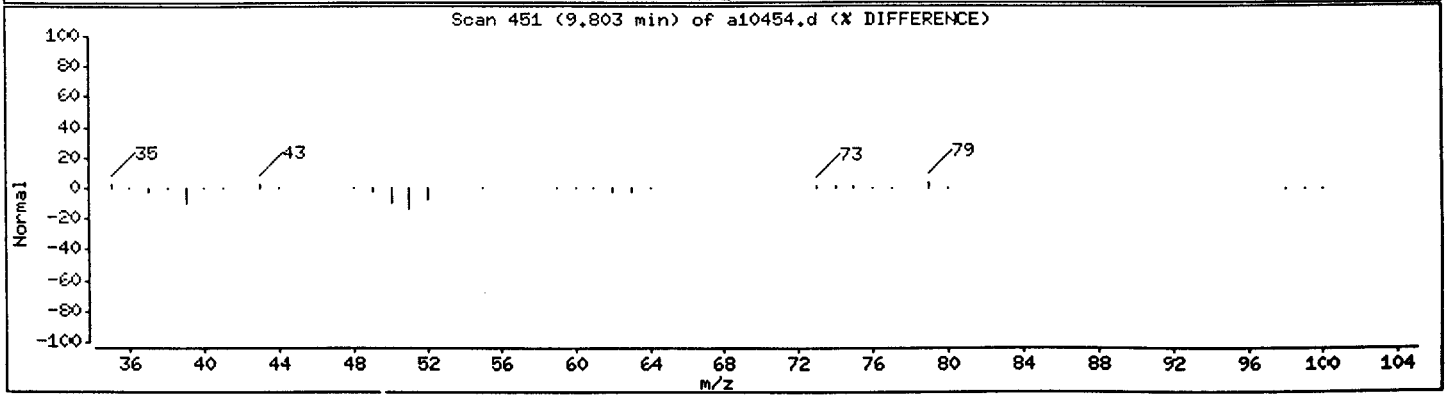
28 Benzene

Concentration: 0.87 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10454.d

Date : 29-OCT-2000 21:24

Client ID: EB-2_Catch_Basin

Instrument: VOAMS1.i

Sample Info: 237813;;;5.41;5

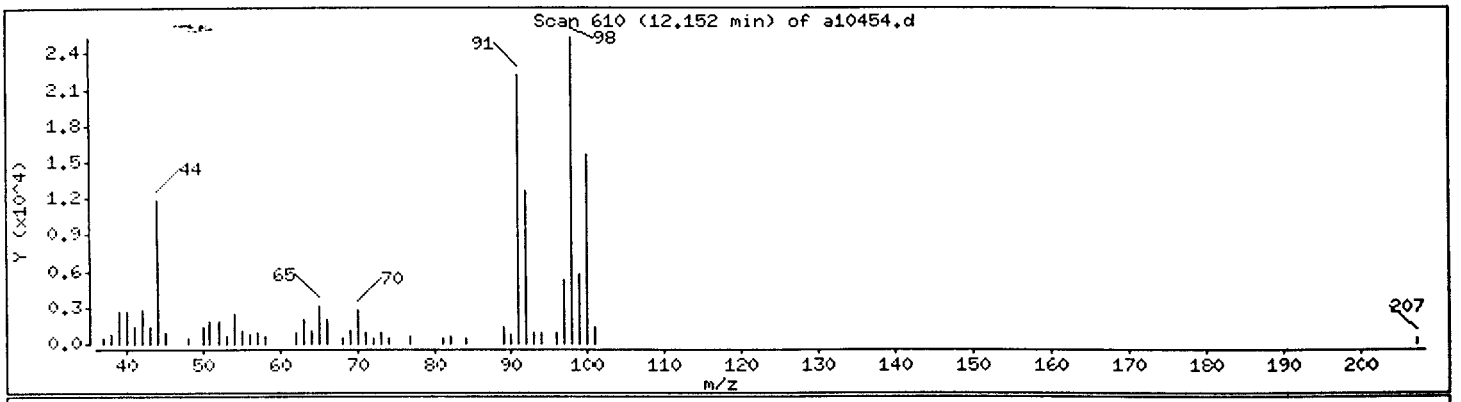
Operator: VOAMS 8

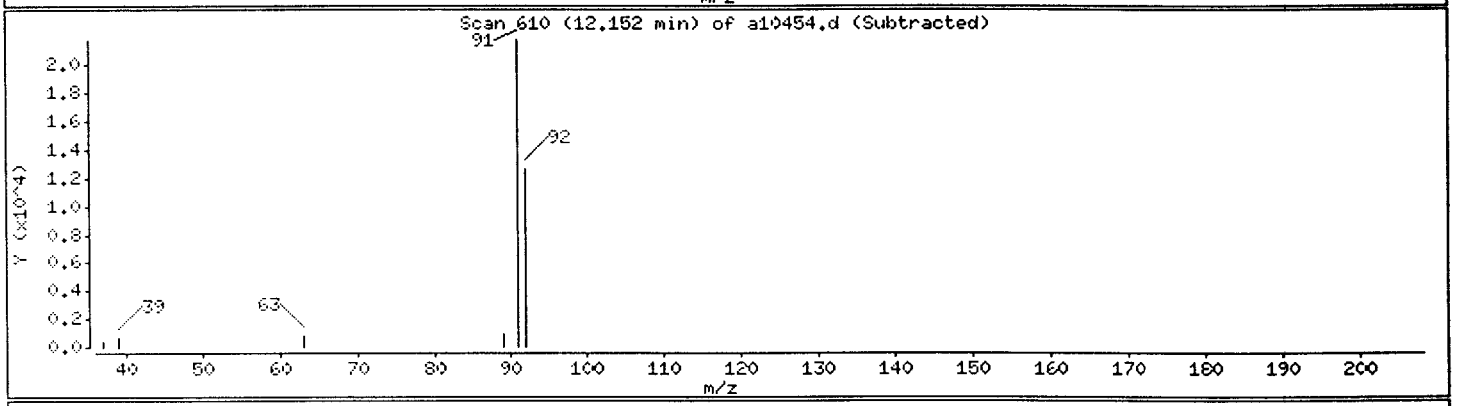
Column phase: DB624

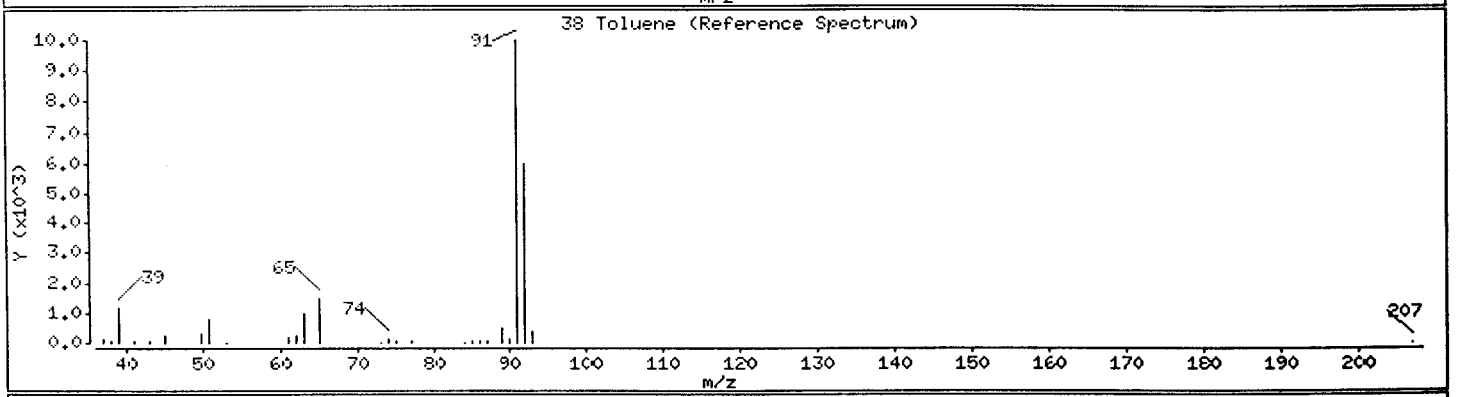
Column diameter: 0.53

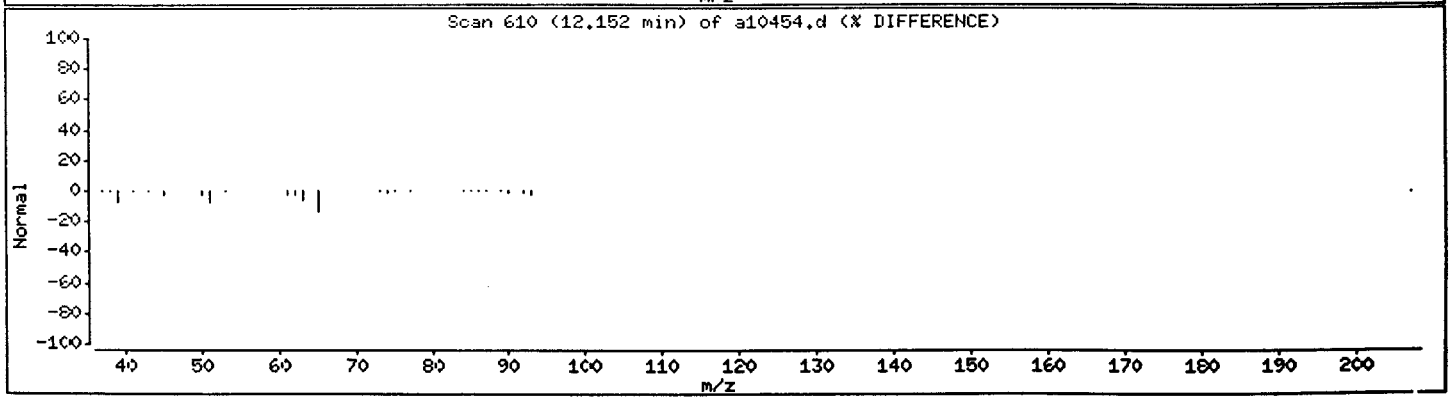
38 Toluene

Concentration: 1.4 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10454.d

Date : 29-OCT-2000 21:24

Client ID: EB-2_Catch_Basin

Instrument: VOAMS1.i

Sample Info: 237813;;;5.41;5

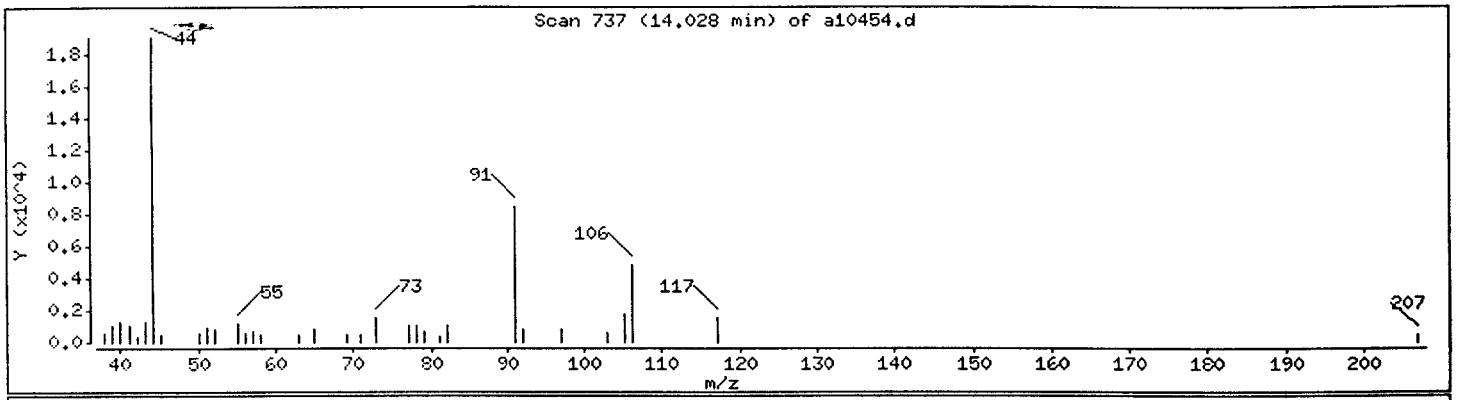
Operator: VOAMS 8

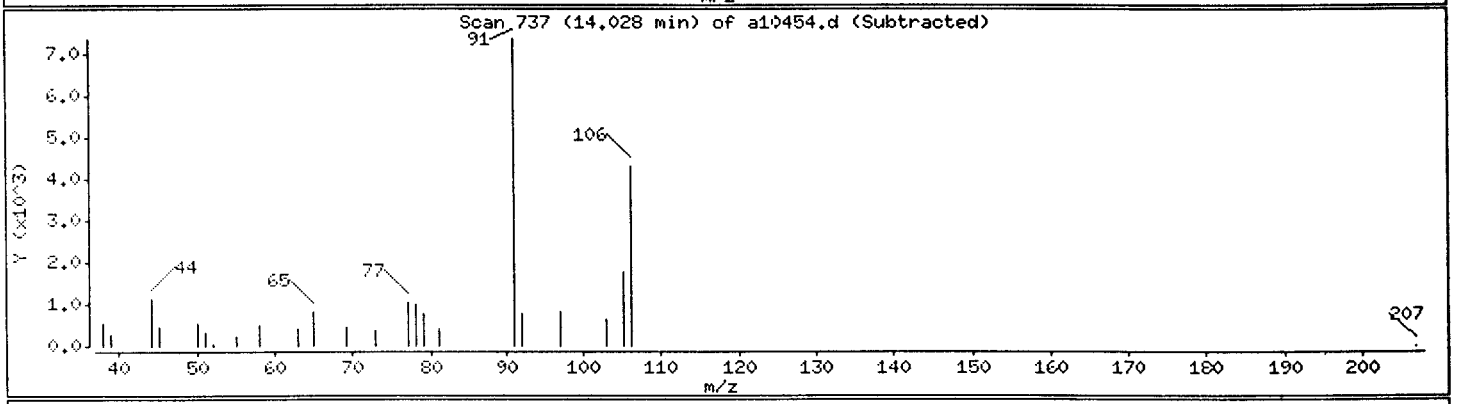
Column phase: DB624

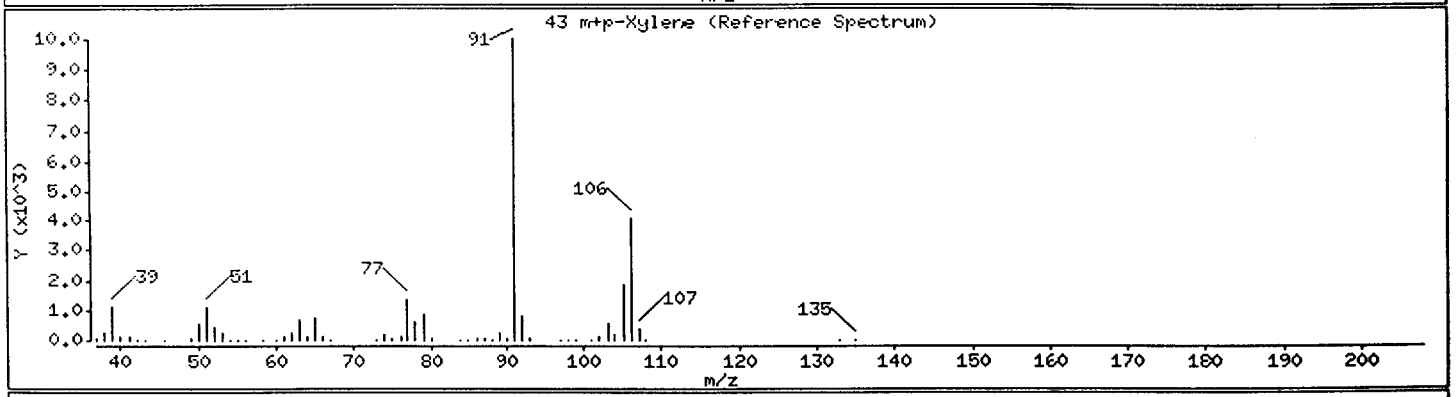
Column diameter: 0.53

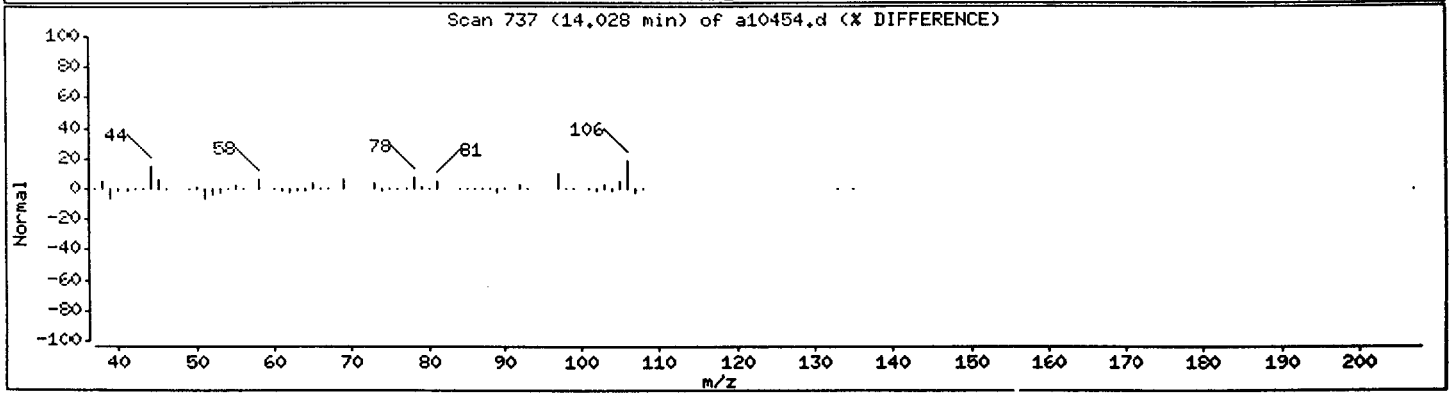
43 m+p-Xylene

Concentration: 0.64 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10454.d

Date : 29-OCT-2000 21:24

Client ID: EB-2_Catch_Basin

Instrument: VOAMS1.i

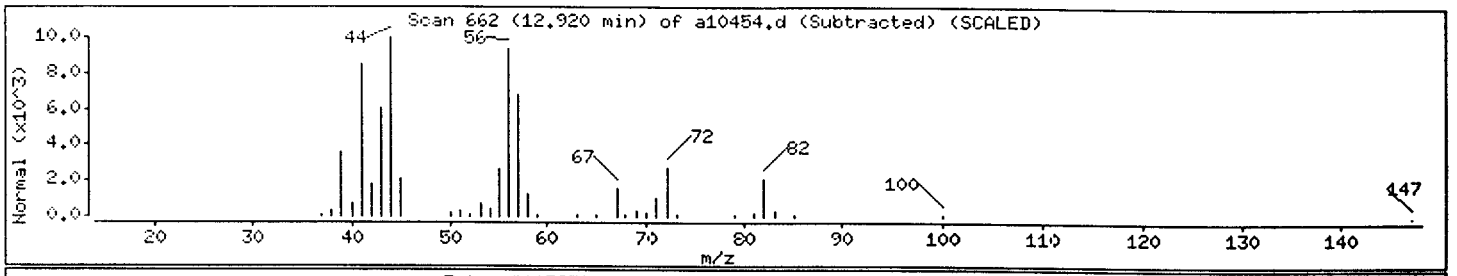
Sample Info: 237813;;;5.41;5

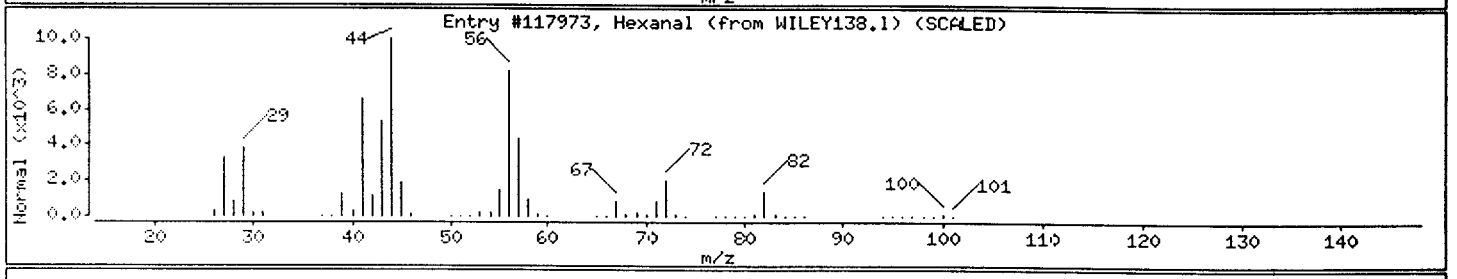
Operator: VOAMS 8

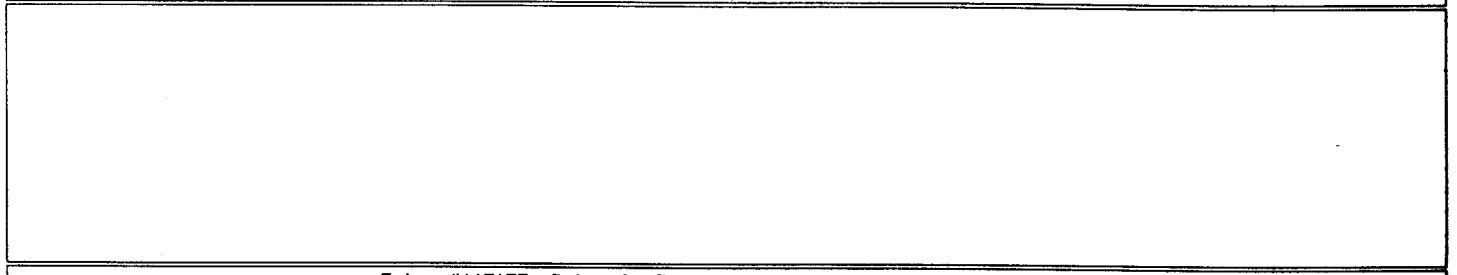
Column phase: DB624

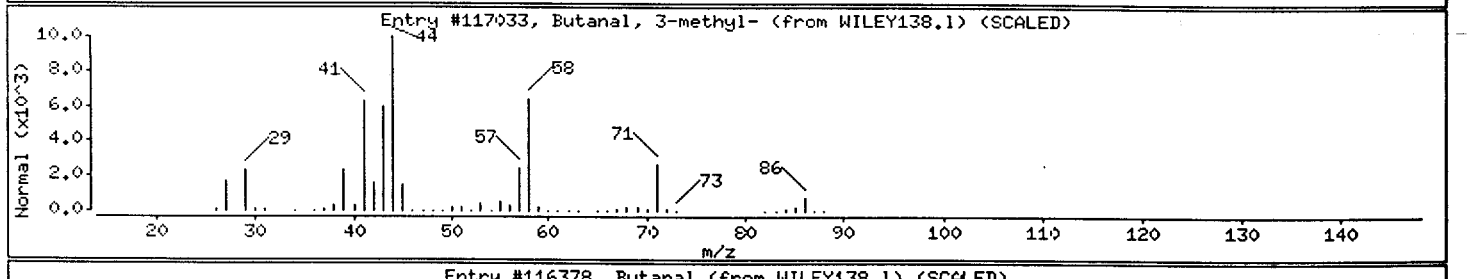
Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	WILEY138.l	117973	94	C6H12O	100
Unknown			0	0		0
Butanal, 3-methyl-	590-86-3	WILEY138.l	117033	35	C5H10O	86
Butanal	123-72-8	WILEY138.l	116378	30	C4H8O	72









Client ID: **EB-3_16-16.5**
Site: Rexam DSI

Lab Sample No: **237814**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/29/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10455.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 23

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	6.5
Bromomethane	ND	6.5
Vinyl Chloride	ND	6.5
Chloroethane	ND	6.5
Methylene Chloride	1.5JB	3.9
Trichlorofluoromethane	3.7J	6.5
1,1-Dichloroethene	ND	2.6
1,1-Dichloroethane	ND	6.5
trans-1,2-Dichloroethene	ND	6.5
cis-1,2-Dichloroethene	ND	6.5
Chloroform	ND	6.5
1,2-Dichloroethane	ND	2.6
1,1,1-Trichloroethane	ND	6.5
Carbon Tetrachloride	ND	2.6
Bromodichloromethane	ND	1.3
1,2-Dichloropropane	ND	1.3
cis-1,3-Dichloropropene	ND	6.5
Trichloroethene	ND	1.3
Dibromochloromethane	ND	6.5
1,1,2-Trichloroethane	ND	3.9
Benzene	19	1.3
trans-1,3-Dichloropropene	ND	6.5
2-Chloroethyl Vinyl Ether	ND	6.5
Bromoform	ND	5.2
Tetrachloroethene	ND	1.3
1,1,2,2-Tetrachloroethane	ND	1.3
Toluene	18	6.5
Chlorobenzene	ND	6.5
Ethylbenzene	1.8J	5.2
Xylene (Total)	31	6.5

Client ID: **EB-3_16-16.5**
Site: Rexam DSI

Lab Sample No: **237814**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/29/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10455.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 23.1

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Hexanal	12.92	30	
2.	Trimethylbenzene isomer	15.42	21	
3.	Trimethylbenzene isomer	15.83	28	
4.	2,3-dihydro-1H-Indene/C10H14 Aromatic	16.56	11	
5.	C9H8 Aromatic	16.81	15	
6.	Unknown Aromatic	17.41	12	
7.	Unknown Aromatic	17.54	6.8	
8.	Naphthalene	18.85	280	
9.	Benzothiophene Isomer	19.01	13	
10.	Methylnaphthalene isomer	20.32	9.1	
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 426

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10455.d
Report Date: 01-Nov-2000 16:53

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10455.d
Lab Smp Id: 237814 Client Smp ID: EB-3_16-16.5
Inj Date : 29-OCT-2000 21:56
Operator : VOAMS 8 Inst ID: VOAMS1.i
Smp Info : 237814;;;5.01;5
Misc Info : F104;1914;KLB
Comment :
Method : /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/8260L_00.m
Meth Date : 29-Oct-2000 12:18 johnz Quant Type: ISTD
Cal Date : 20-OCT-2000 18:54 Cal File: a10343.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.01000	Weight of sample extracted (g)
M	23.10000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	9 Trichlorofluoromethane	101	5.209	5.165	(0.515)	125310	2.86842	3.7(a)
	6 Methylene Chloride	84	6.731	6.687	(0.665)	25925	1.16580	1.5(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	9.671	9.627	(0.956)	947651	48.5450	63
	28 Benzene	78	9.789	9.745	(0.968)	777818	14.3913	19
*	19 Fluorobenzene	96	10.114	10.085	(1.000)	3273868	50.0000	
$	37 Toluene-d8 (SUR)	98	12.049	12.020	(0.876)	2378714	59.5510	77
	38 Toluene	91	12.138	12.109	(0.883)	657834	13.8070	18
*	32 Chlorobenzene-d5	117	13.748	13.719	(1.000)	2060502	50.0000	
	40 Ethylbenzene	106	13.866	13.837	(1.009)	24607	1.35913	1.8(a)
M	45 Xylene (Total)	100				513375	23.6633	31
$	41 Bromofluorobenzene (SUR)	174	15.019	15.004	(0.924)	1097117	70.0351	91
*	91 1,4-Dichlorobenzene-d4	152	16.260	16.245	(1.000)	710975	50.0000	
	44 o-Xylene	106	14.443	14.413	(1.050)	220380	10.3931	13
	43 m+p-Xylene	106	13.985	13.955	(1.017)	292995	13.3543	17

confirmed by A10470.

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10455.d
Report Date: 01-Nov-2000 16:53

QC Flag Legend

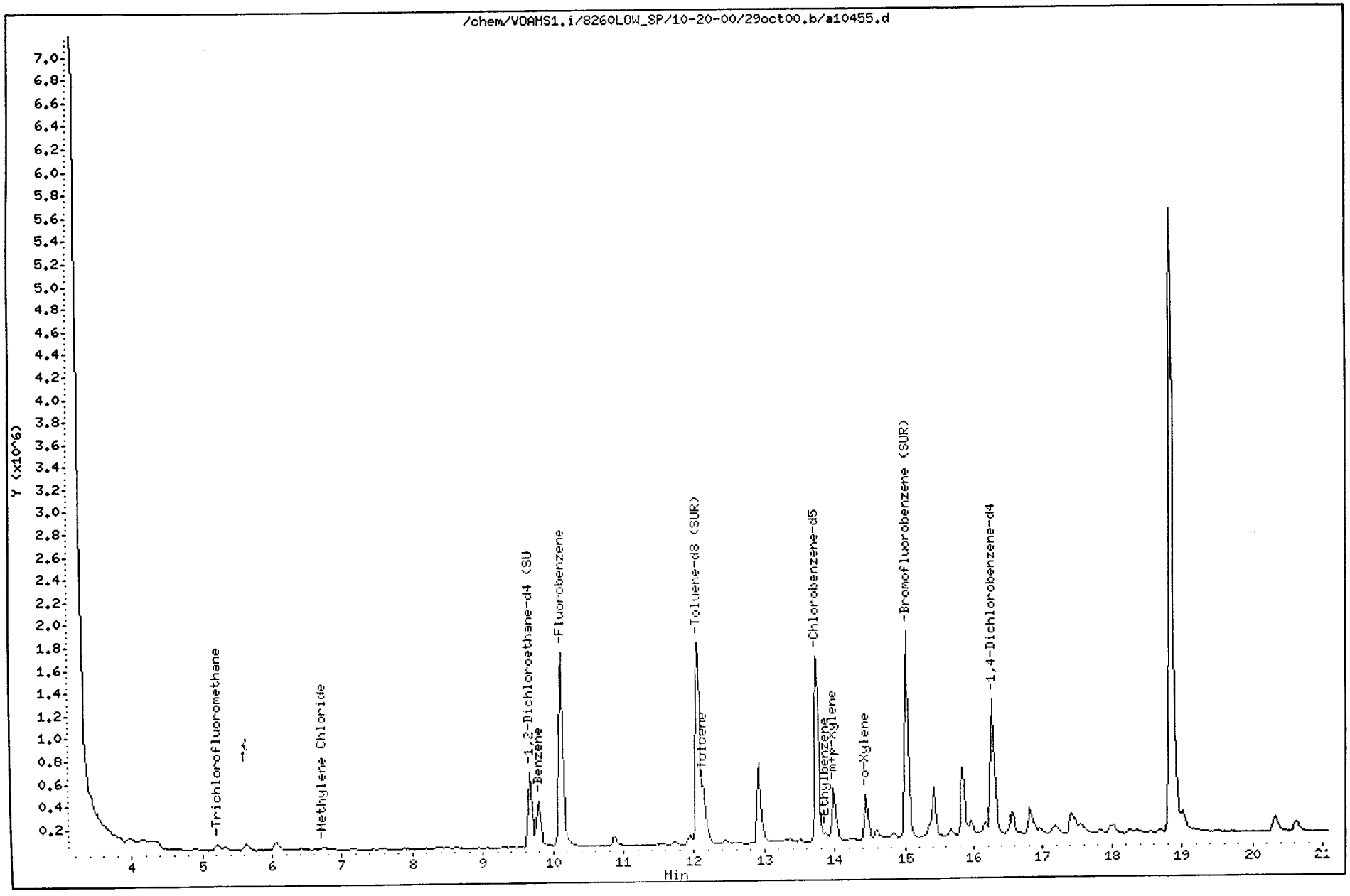
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10455.d
Date : 29-OCT-2000 21:56
Client ID: EB-3_16-16.5
Sample Info: 237814;;;5.01;5

Instrument: VOAMS1.i

Operator: VOAMS 8
Column diameter: 0.53

Column phase: DB624



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10455.d

Date : 29-OCT-2000 21:56

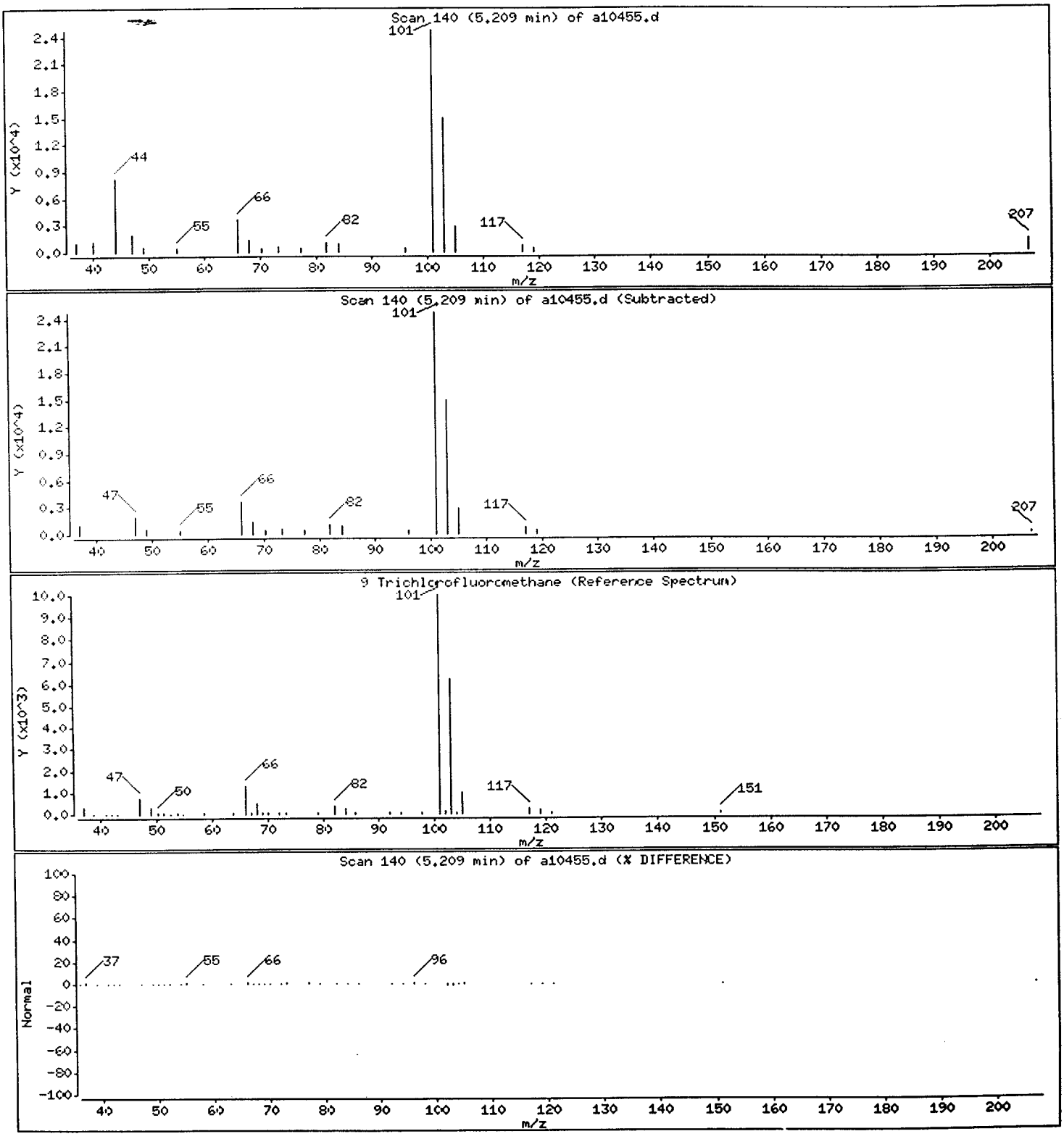
Client ID: EB-3_16-16.5 Instrument: VOAMS1.i

Sample Info: 237814;;;5.01;5

Operator: VOAMS 8

Column phase: DB624 Column diameter: 0.53

9 Trichloroflucromethane Concentration: 3.7 ug/Kg



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10455.d

Date : 29-OCT-2000 21:56

Client ID: EB-3_16-16.5

Instrument: VOAMS1.i

Sample Info: 237814;;;5.01;5

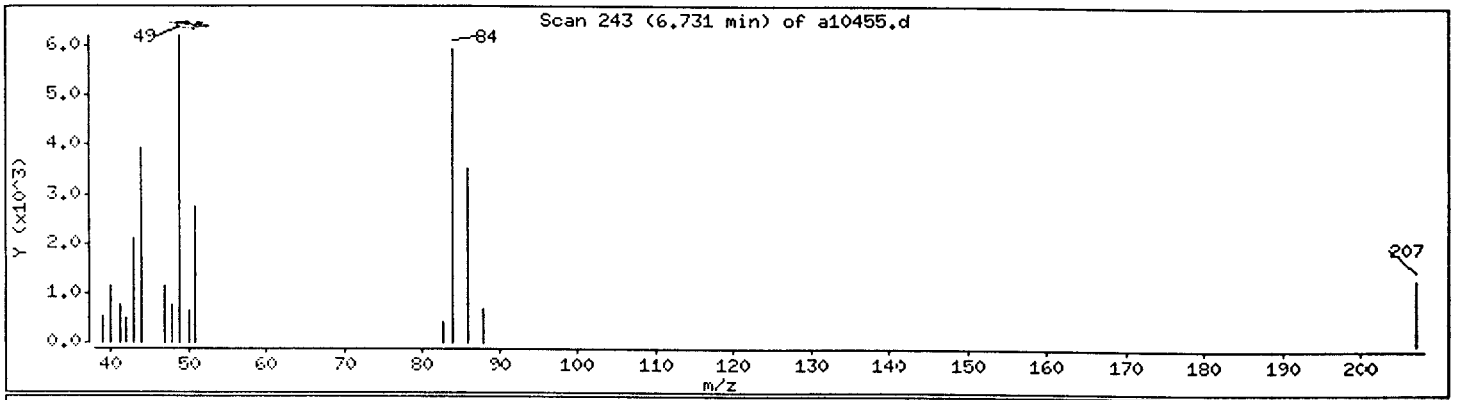
Operator: VOAMS 8

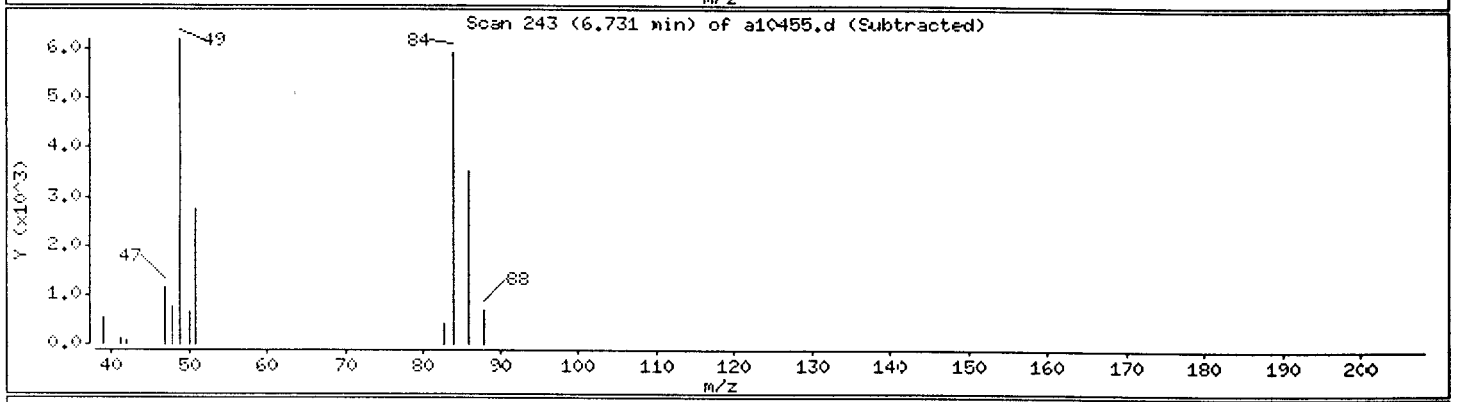
Column phase: DB624

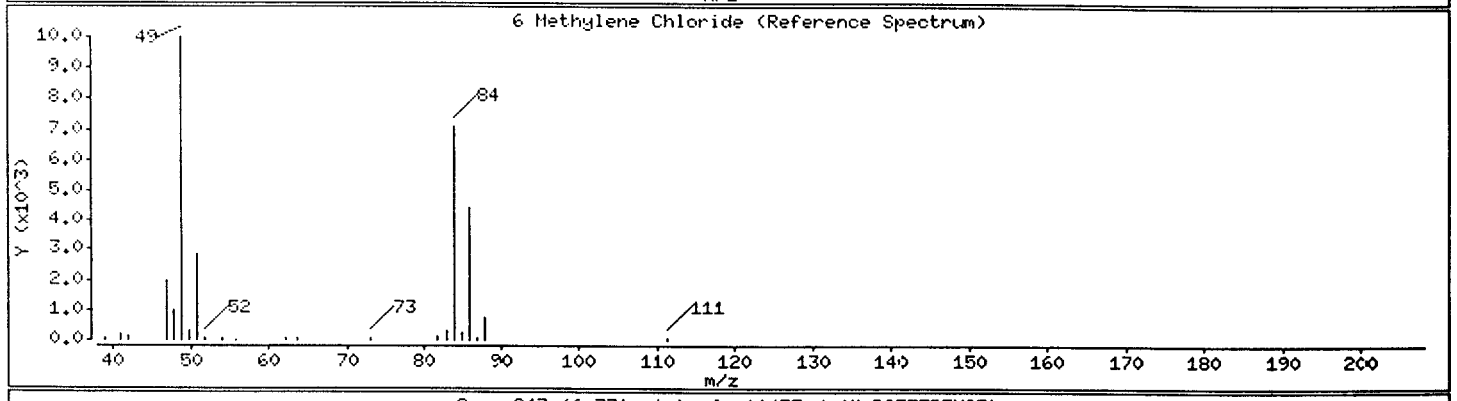
Column diameter: 0.53

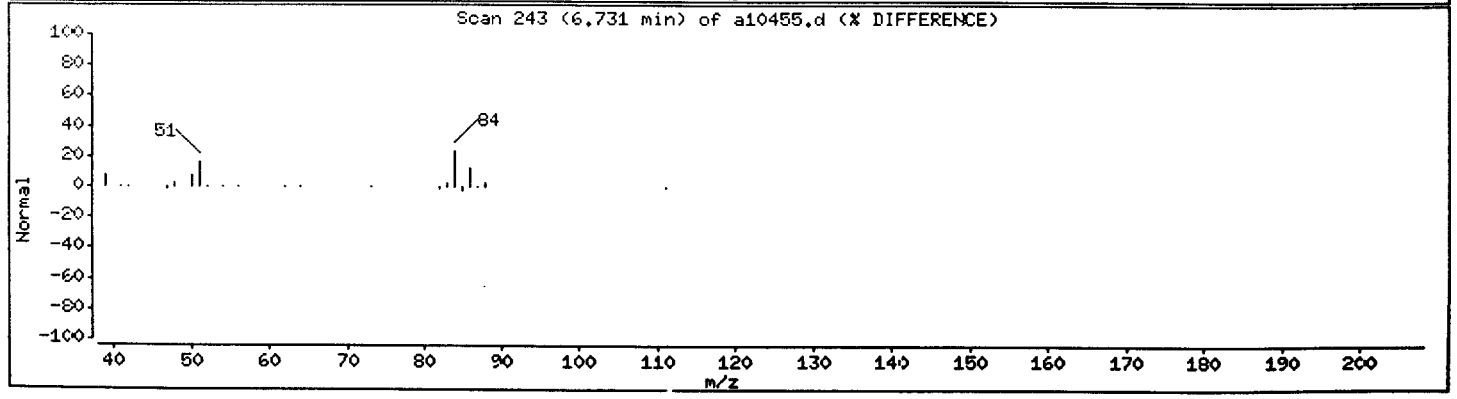
6 Methylene Chloride

Concentration: 1.5 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10455.d

Date : 29-OCT-2000 21:56

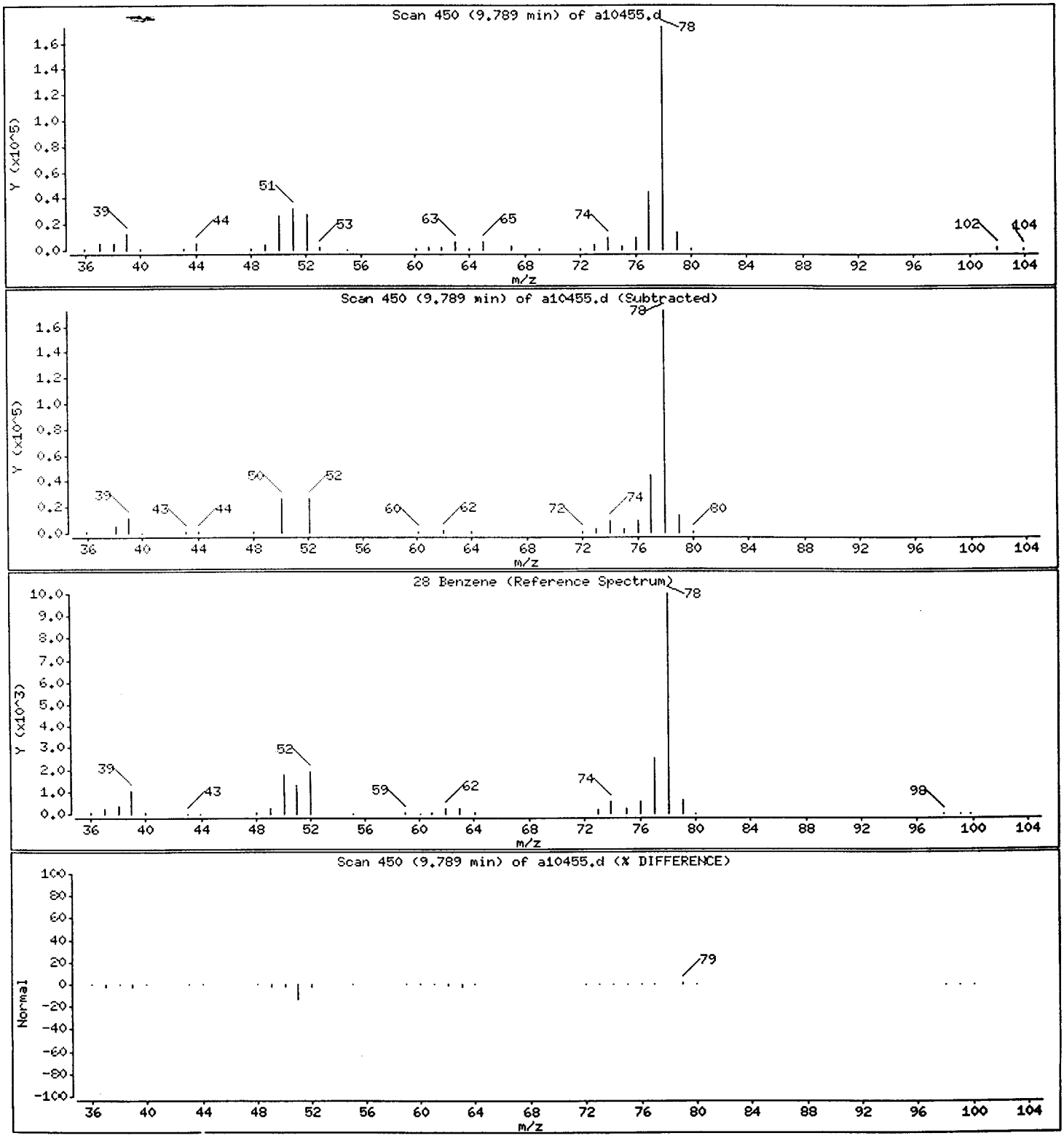
Client ID: EB-3_16-16.5 Instrument: VOAMS1.i

Sample Info: 237814;;;5.01;5

Operator: VOAMS 8

Column phase: DB624 Column diameter: 0.53

28 Benzene Concentration: 19 ug/Kg



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10455.d

Date : 29-OCT-2000 21:56

Client ID: EB-3_16-16.5

Instrument: VOAMS1.i

Sample Info: 237814;;;5.01;5

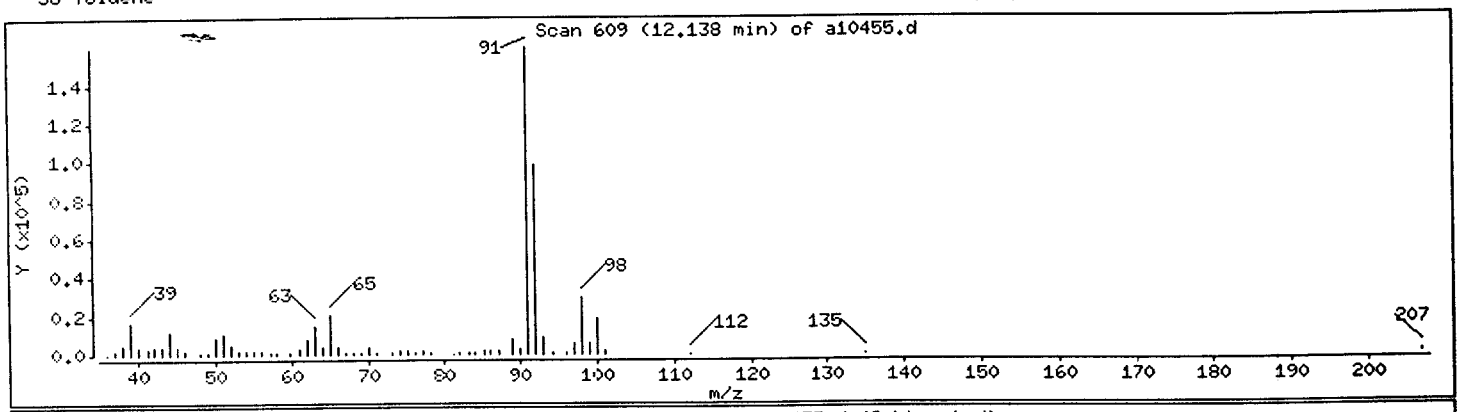
Operator: VOAMS 8

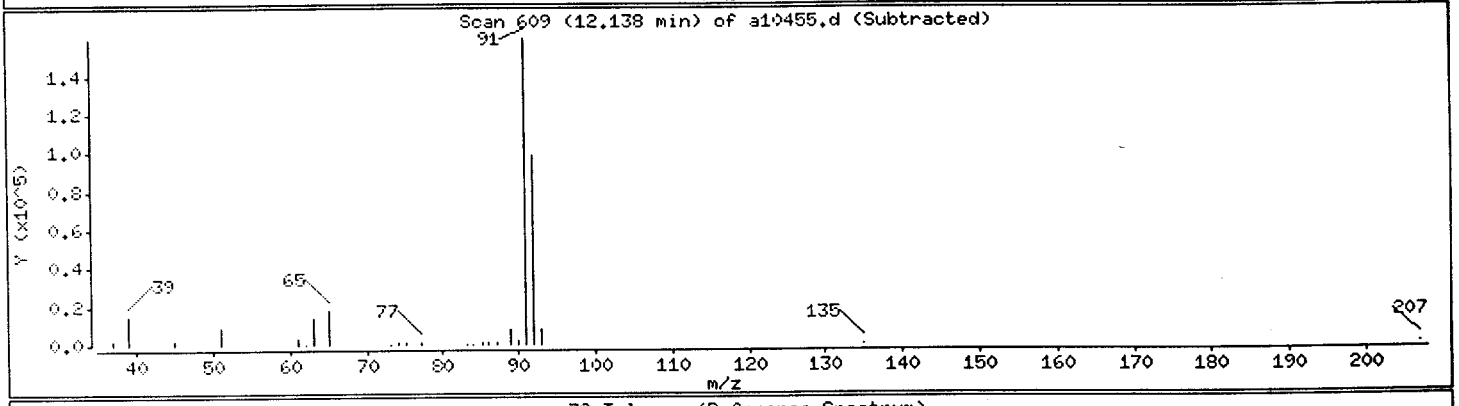
Column phase: DB624

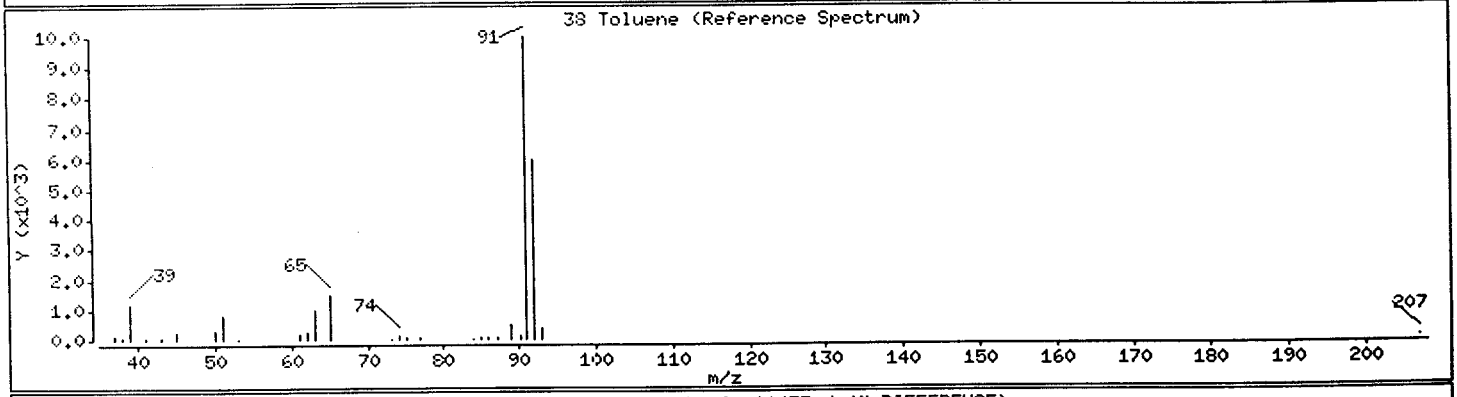
Column diameter: 0.53

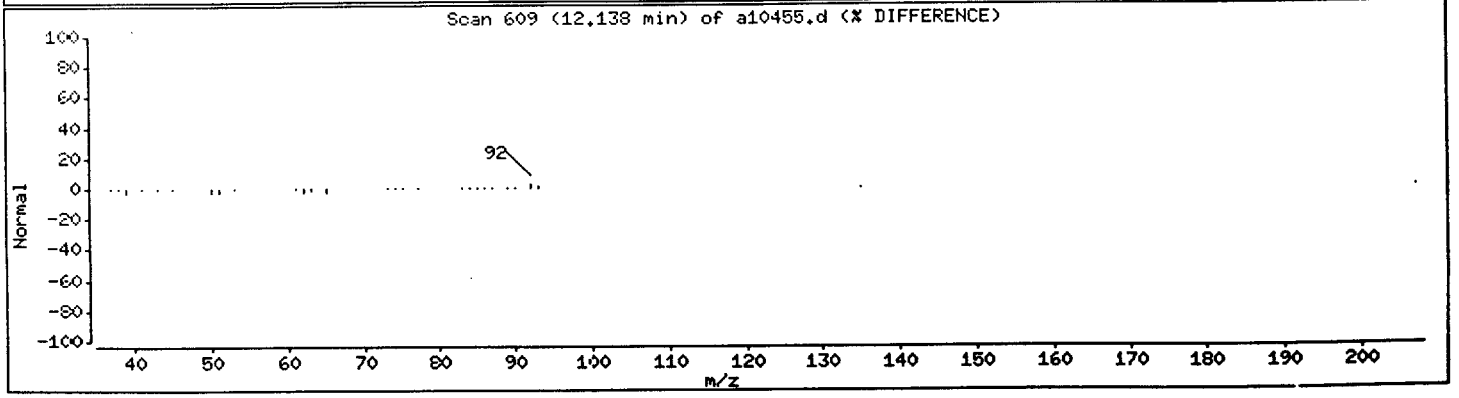
38 Toluene

Concentration: 18 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10455.d

Date : 29-OCT-2000 21:56

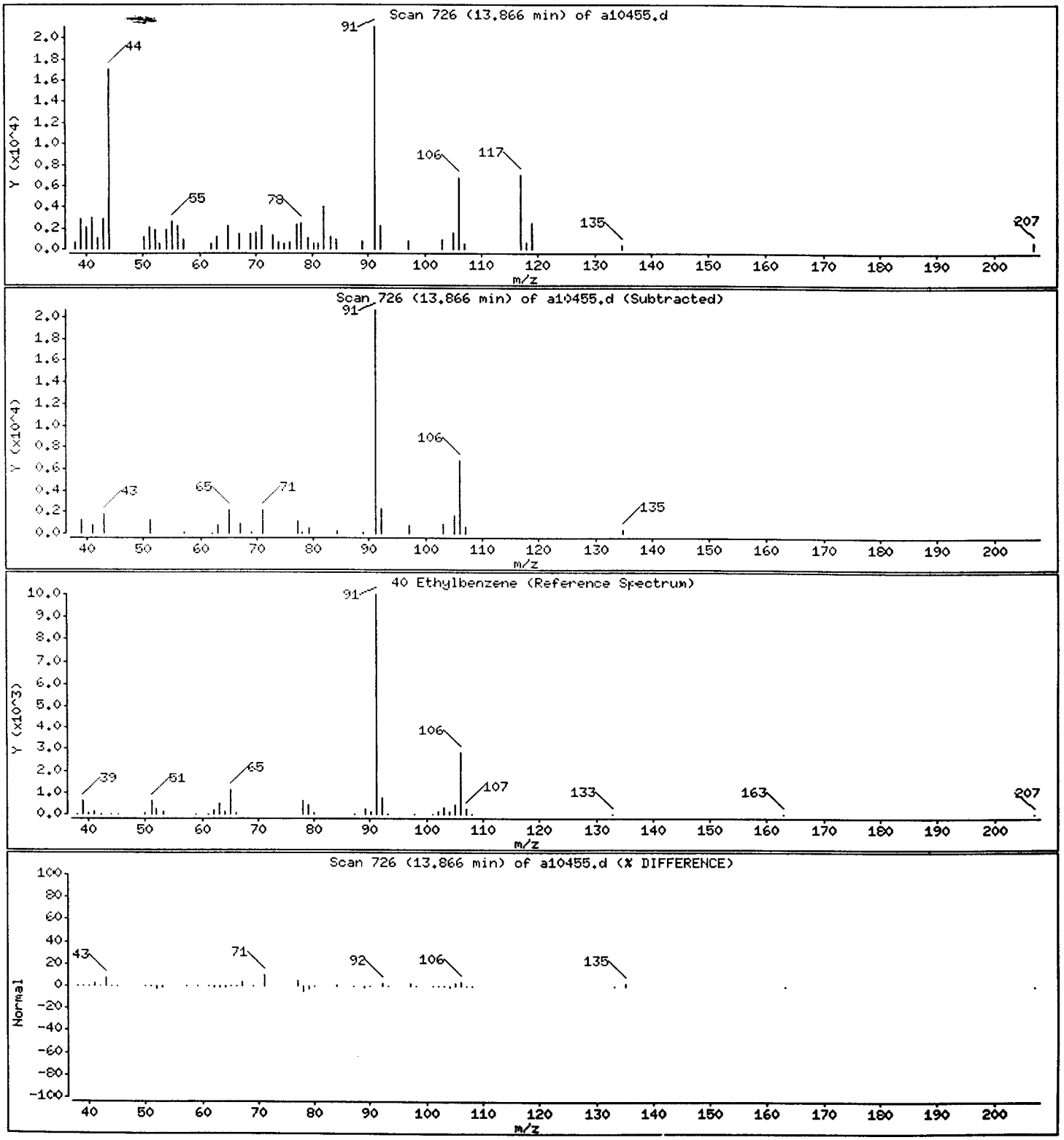
Client ID: EB-3_16-16.5 Instrument: VOAMS1.i

Sample Info: 237814;;;5.01;5

Operator: VOAMS 8

Column phase: DB624 Column diameter: 0.53

40 Ethylbenzene Concentration: 1.8 ug/Kg



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Date : 29-OCT-2000 21:56

Client ID: EB-3_16-16.5

Instrument: VOAMS1.i

Sample Info: 237814;;;5.01;5

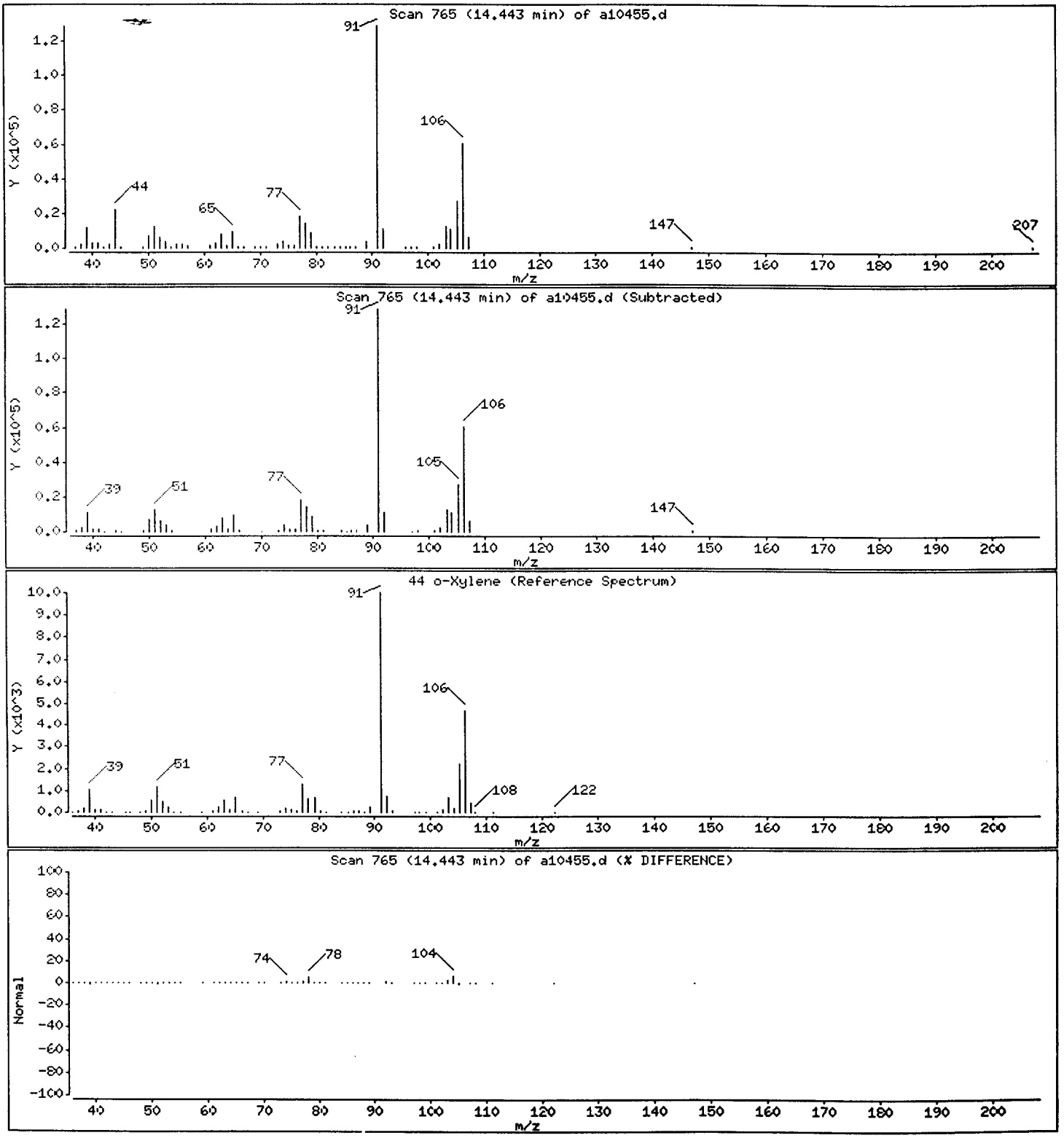
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

44 o-Xylene

Concentration: 13 ug/Kg



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Date : 29-OCT-2000 21:56

Client ID: EB-3_16-16.5

Instrument: VOAMS1.i

Sample Info: 237814;;;5.01;5

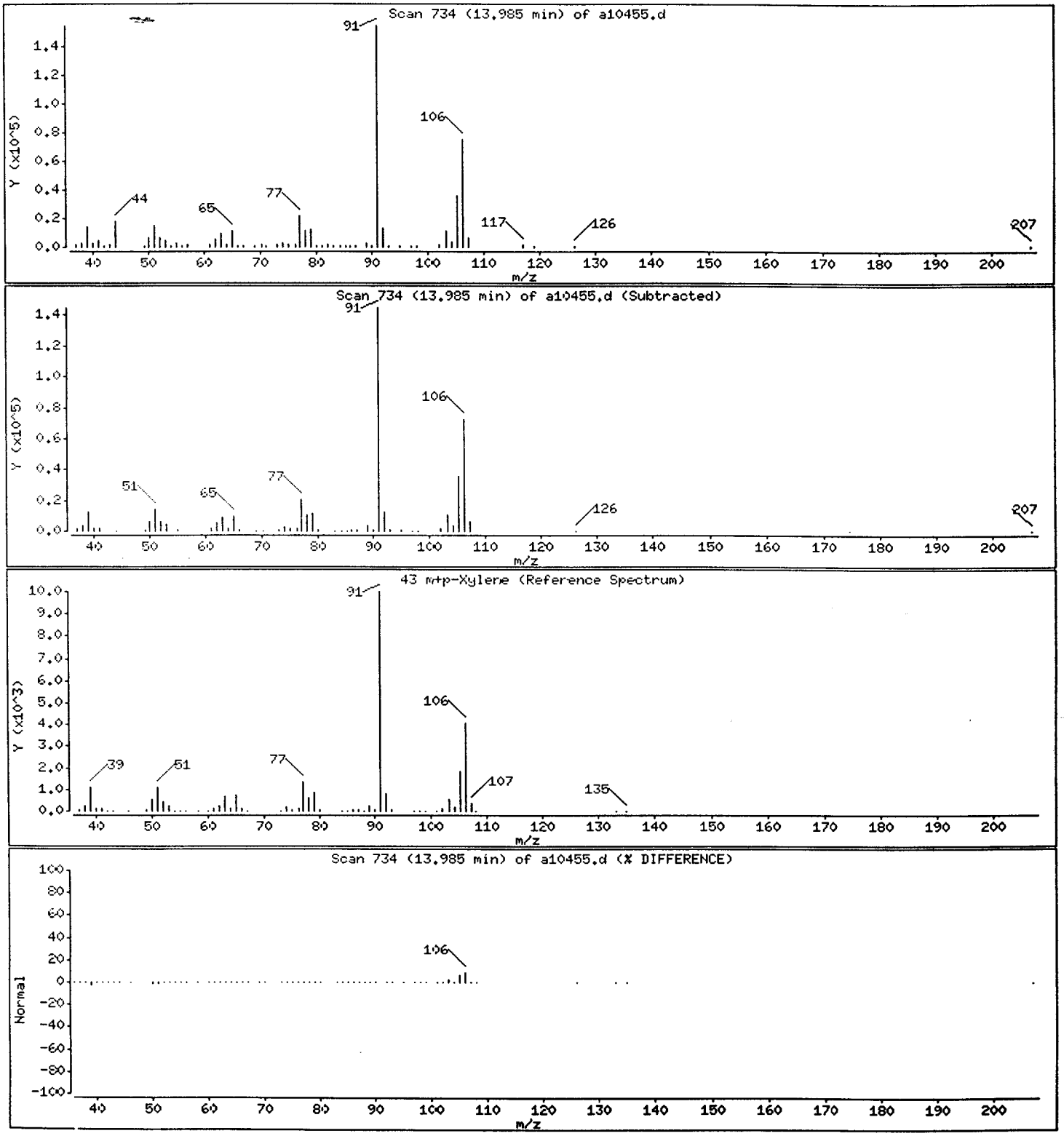
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

43 m+p-Xylene

Concentration: 17 ug/Kg



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10455.d

Date : 29-OCT-2000 21:56

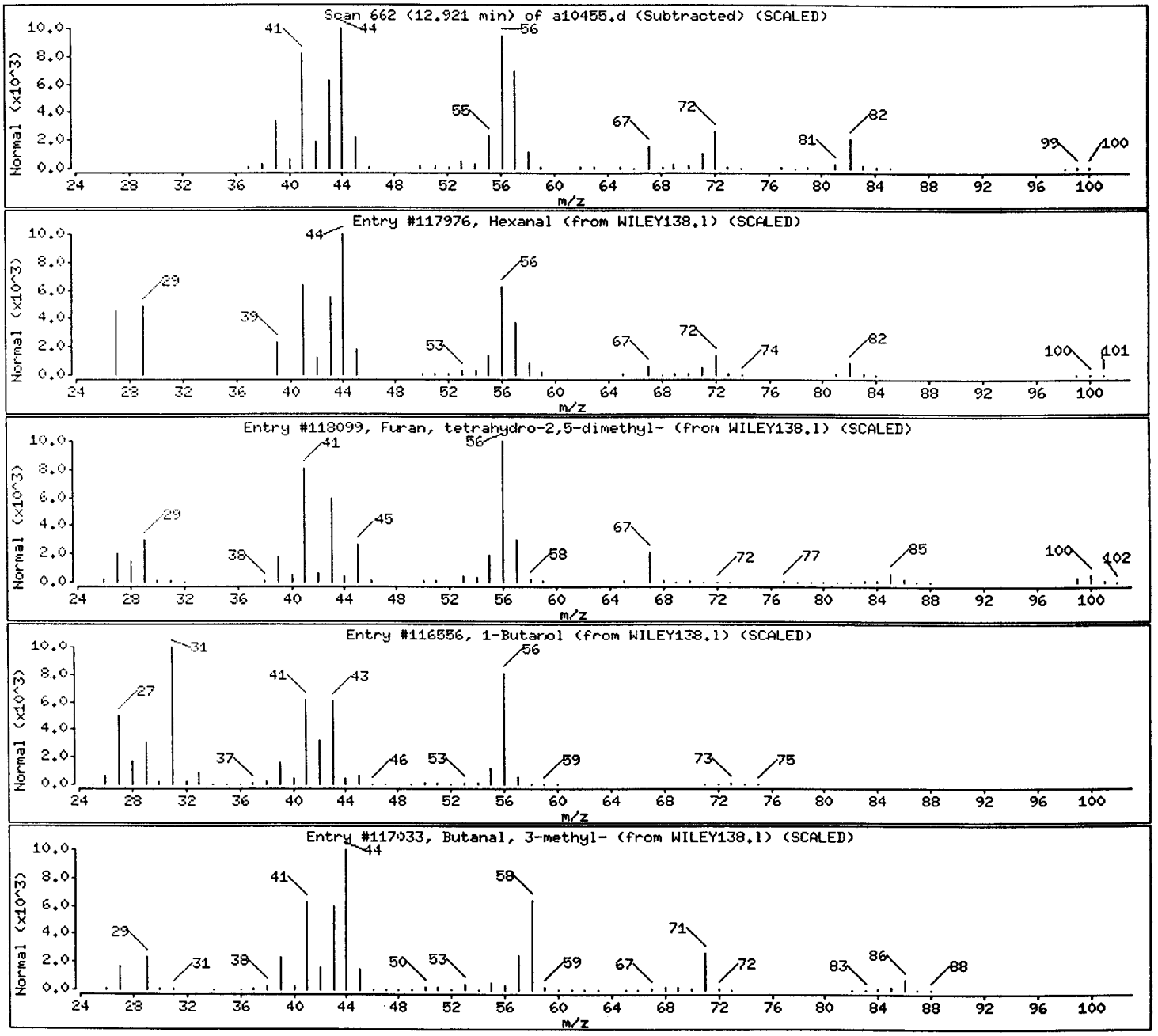
Client ID: EB-3_16-16.5 Instrument: VOAMS1.i

Sample Info: 237814;;;5.01;5

Operator: VOAMS 8

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	WILEY138.l	117976	91	C6H12O	100
Furan, tetrahydro-2,5-dimethyl-	1003-38-9	WILEY138.l	118099	35	C6H12O	100
1-Butanol	71-36-3	WILEY138.l	116556	22	C4H10O	74
Butanal, 3-methyl-	590-86-3	WILEY138.l	117033	16	C5H10O	86



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10455.d

Date : 29-OCT-2000 21:56

Client ID: EB-3_16-16.5

Instrument: VOAMS1.i

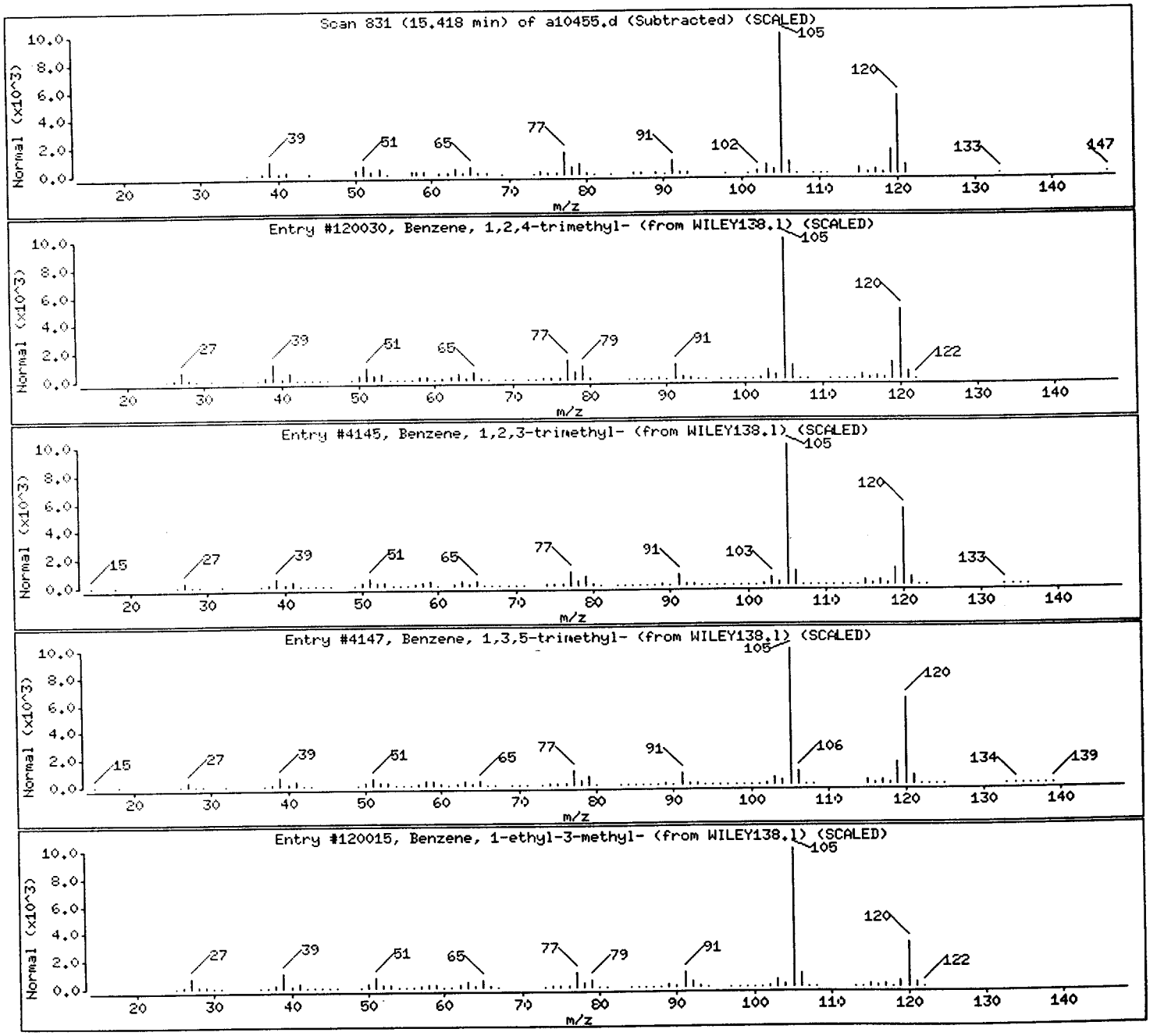
Sample Info: 237814;;;5.01;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trimethylbenzene isomer						
Benzene, 1,2,4-trimethyl-	95-63-6	WILEY138.l	120030	95	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	WILEY138.l	4145	94	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	WILEY138.l	4147	94	C9H12	120
Benzene, 1-ethyl-3-methyl-	620-14-4	WILEY138.l	120015	91	C9H12	120



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10455.d

Date : 29-OCT-2000 21:56

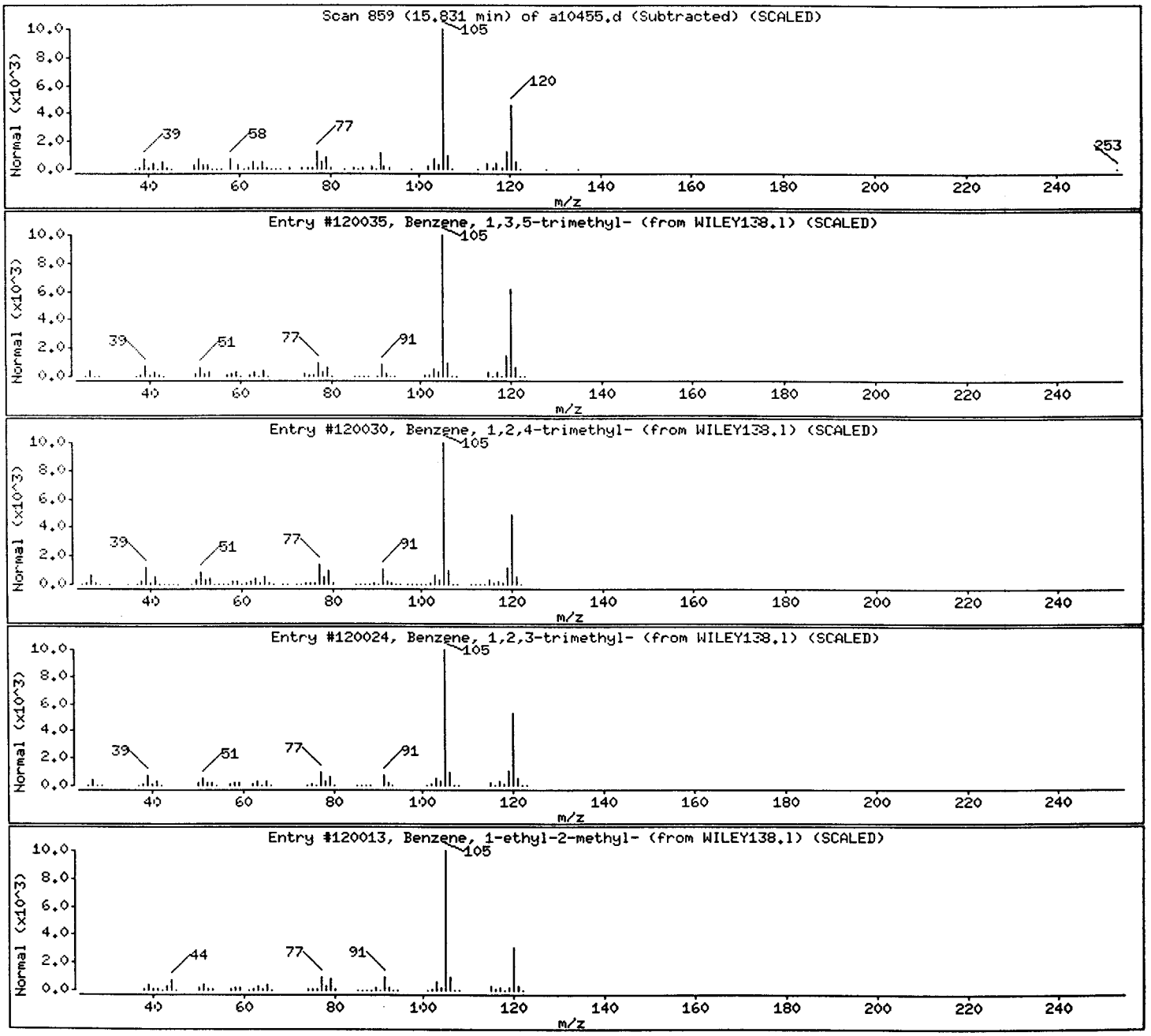
Client ID: EB-3_16-16.5 Instrument: VOAMS1.i

Sample Info: 237814;;;5.01;5

Operator: VOAMS 8

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trimethylbenzene isomer						
Benzene, 1,3,5-trimethyl-	108-67-8	WILEY138.l	120035	97	C9H12	120
Benzene, 1,2,4-trimethyl-	95-63-6	WILEY138.l	120030	97	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	WILEY138.l	120024	95	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	WILEY138.l	120013	93	C9H12	120



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10455.d

Date : 29-OCT-2000 21:56

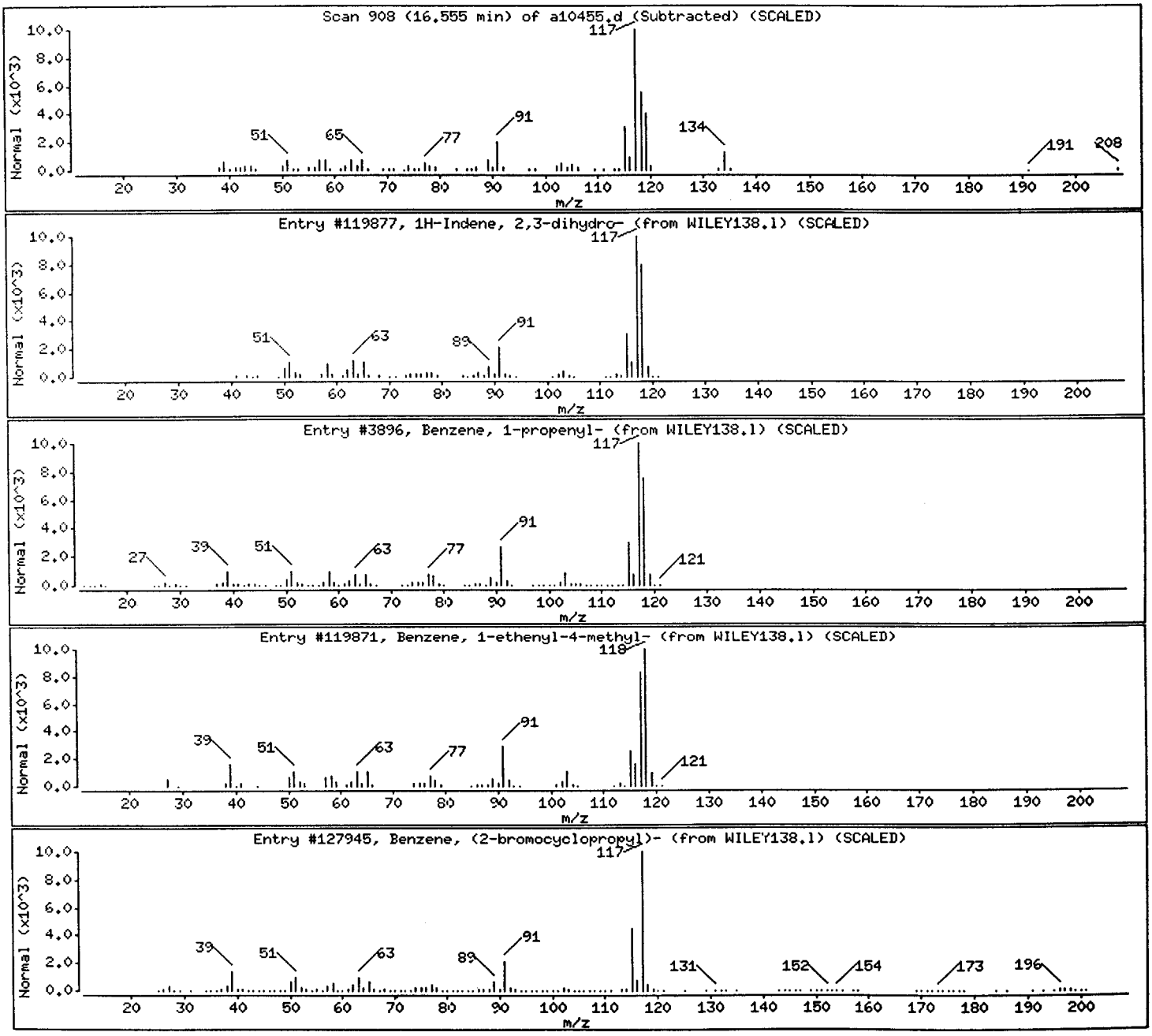
Client ID: EB-3_16-16.5 Instrument: VOAMS1.i

Sample Info: 237814;;;5.01;5

Operator: VOAMS 8

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2,3-dihydro-1H-Indene/C10H14 Aromatic						
1H-Indene, 2,3-dihydro-	496-11-7	WILEY138.l	119877	86	C9H10	118
Benzene, 1-propenyl-	637-50-3	WILEY138.l	3896	64	C9H10	118
Benzene, 1-ethenyl-4-methyl-	622-97-9	WILEY138.l	119871	50	C9H10	118
Benzene, (2-bromocyclopropyl)-	36617-02-4	WILEY138.l	127945	46	C9H9Br	196



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10455.d

Date : 29-OCT-2000 21:56

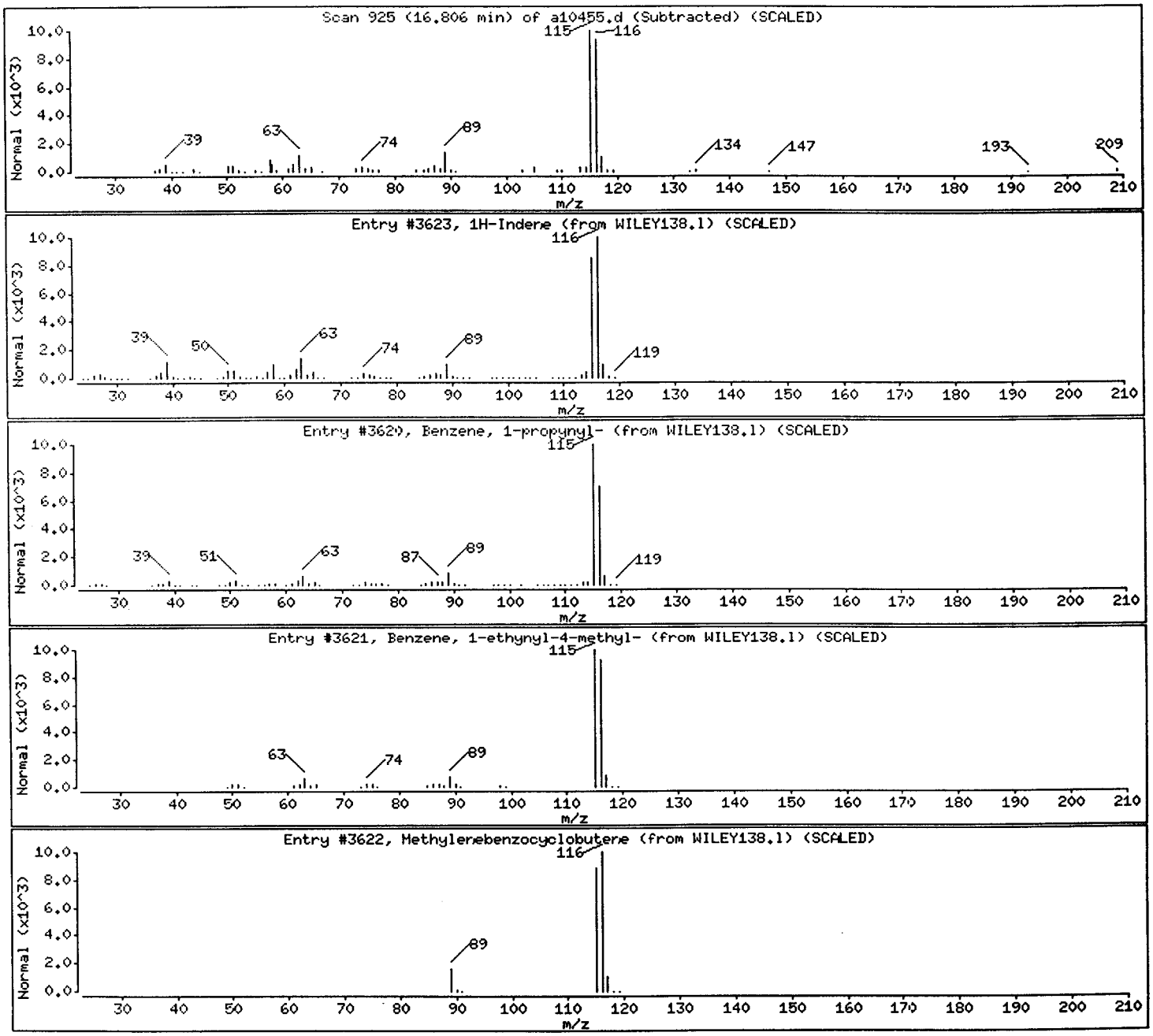
Client ID: EB-3_16-16.5 Instrument: VOAMS1.i

Sample Info: 237814;;;5.01;5

Operator: VOAMS 8

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C9H8 Aromatic						
1H-Indene	95-13-6	WILEY138.l	3623	96	C9H8	116
Benzene, 1-propynyl-	673-32-5	WILEY138.l	3620	91	C9H8	116
Benzene, 1-ethynyl-4-methyl-	766-97-2	WILEY138.l	3621	87	C9H8	116
Methylenebenzocyclobutene	19164-64-8	WILEY138.l	3622	83	C9H8	116



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10455.d

Date : 29-OCT-2000 21:56

Client ID: EB-3_16-16.5

Instrument: VOAMS1.i

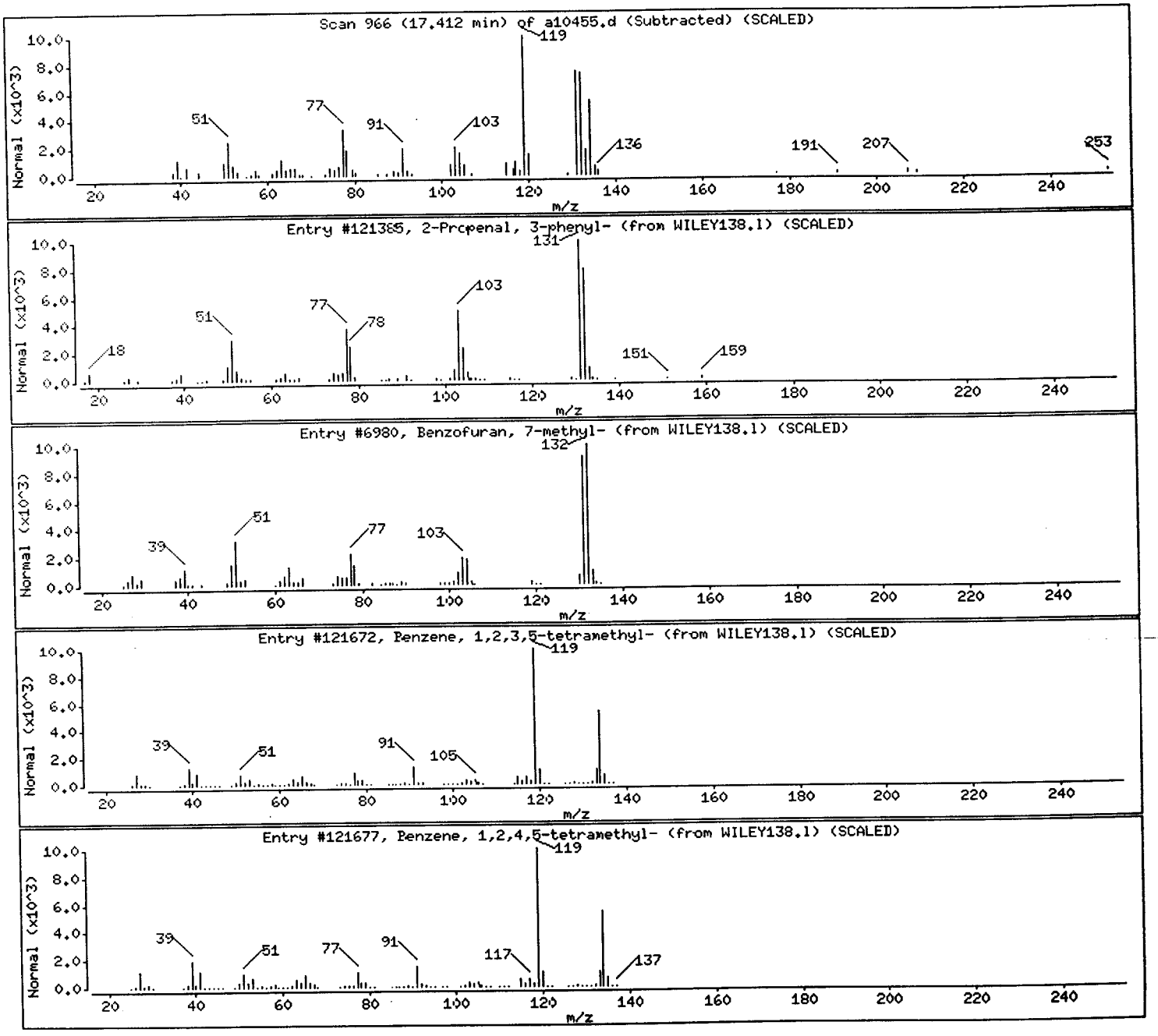
Sample Info: 237814;;;5.01;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
2-Propenal, 3-phenyl-	104-55-2	WILEY138.l	121385	70	C9H8O	132
Benzofuran, 7-methyl-	17059-52-8	WILEY138.l	6980	55	C9H8O	132
Benzene, 1,2,3,5-tetramethyl-	527-53-7	WILEY138.l	121672	50	C10H14	134
Benzene, 1,2,4,5-tetramethyl-	95-93-2	WILEY138.l	121677	46	C10H14	134



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10455.d

Date : 29-OCT-2000 21:56

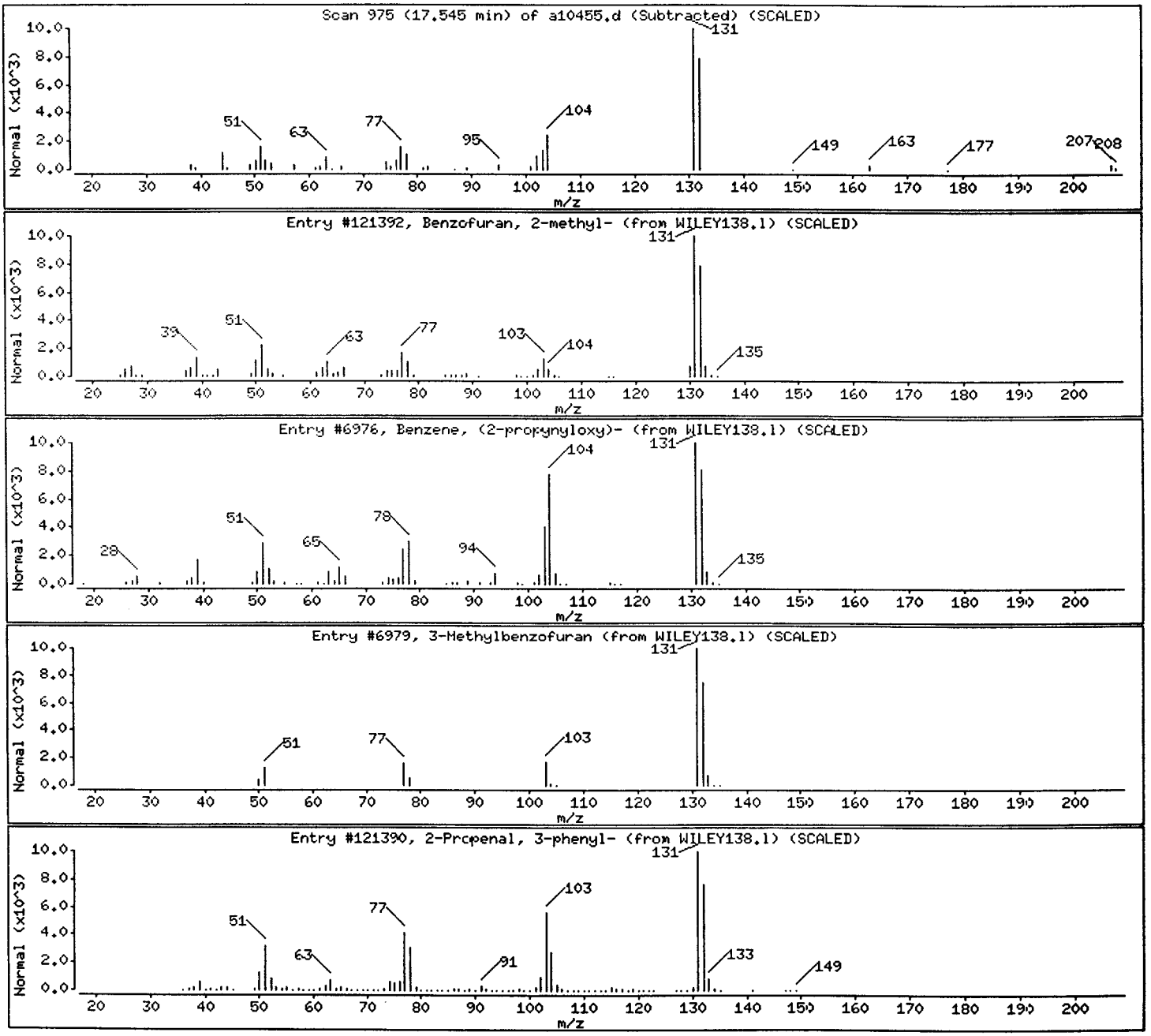
Client ID: EB-3_16-16.5 Instrument: VOAMS1.i

Sample Info: 237814;;;5.01;5

Operator: VOAMS 8

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Aromatic						
Benzofuran, 2-methyl-	4265-25-2	WILEY138.l	121392	87	C9H8O	132
Benzene, (2-propynyloxy)-	13610-02-1	WILEY138.l	6976	78	C9H8O	132
3-Methylbenzofuran	0-00-0	WILEY138.l	6979	72	C9H8O	132
2-Propenal, 3-phenyl-	104-55-2	WILEY138.l	121390	72	C9H8O	132



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10455.d

Date : 29-OCT-2000 21:56

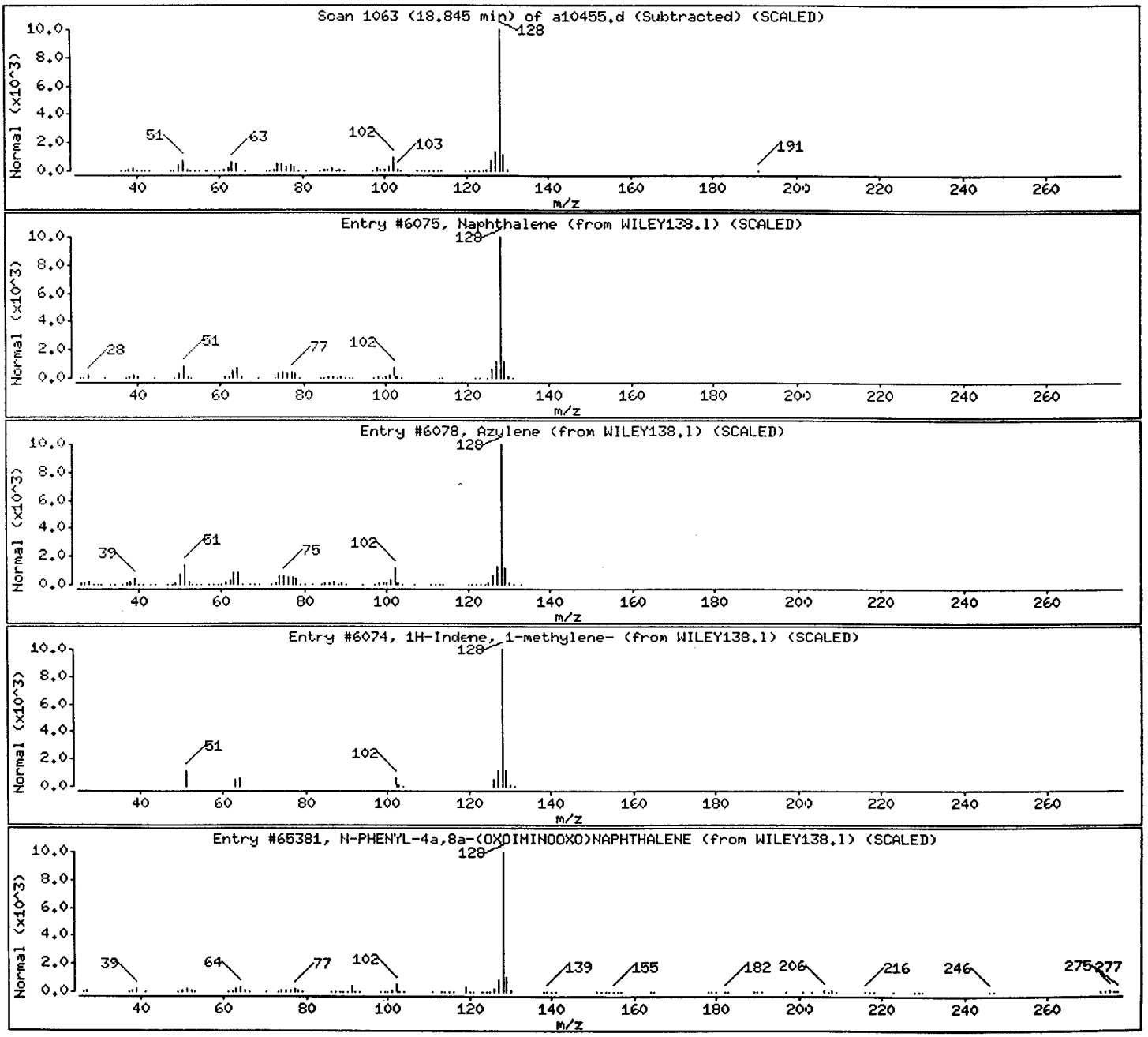
Client ID: EB-3_16-16.5 Instrument: VOAMS1.i

Sample Info: 237814;;;5.01;5

Operator: VOAMS 8

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene	91-20-3	WILEY138.1	6075	94	C10H8	128
Azulene	275-51-4	WILEY138.1	6078	91	C10H8	128
1H-Indene, 1-methylene-	2471-84-3	WILEY138.1	6074	86	C10H8	128
N-PHENYL-4a,8a-(OXOIMINOOXO)NAPHTHALENE	0-00-0	WILEY138.1	65381	74	C18H13NO2	275



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10455.d

Date : 29-OCT-2000 21:56

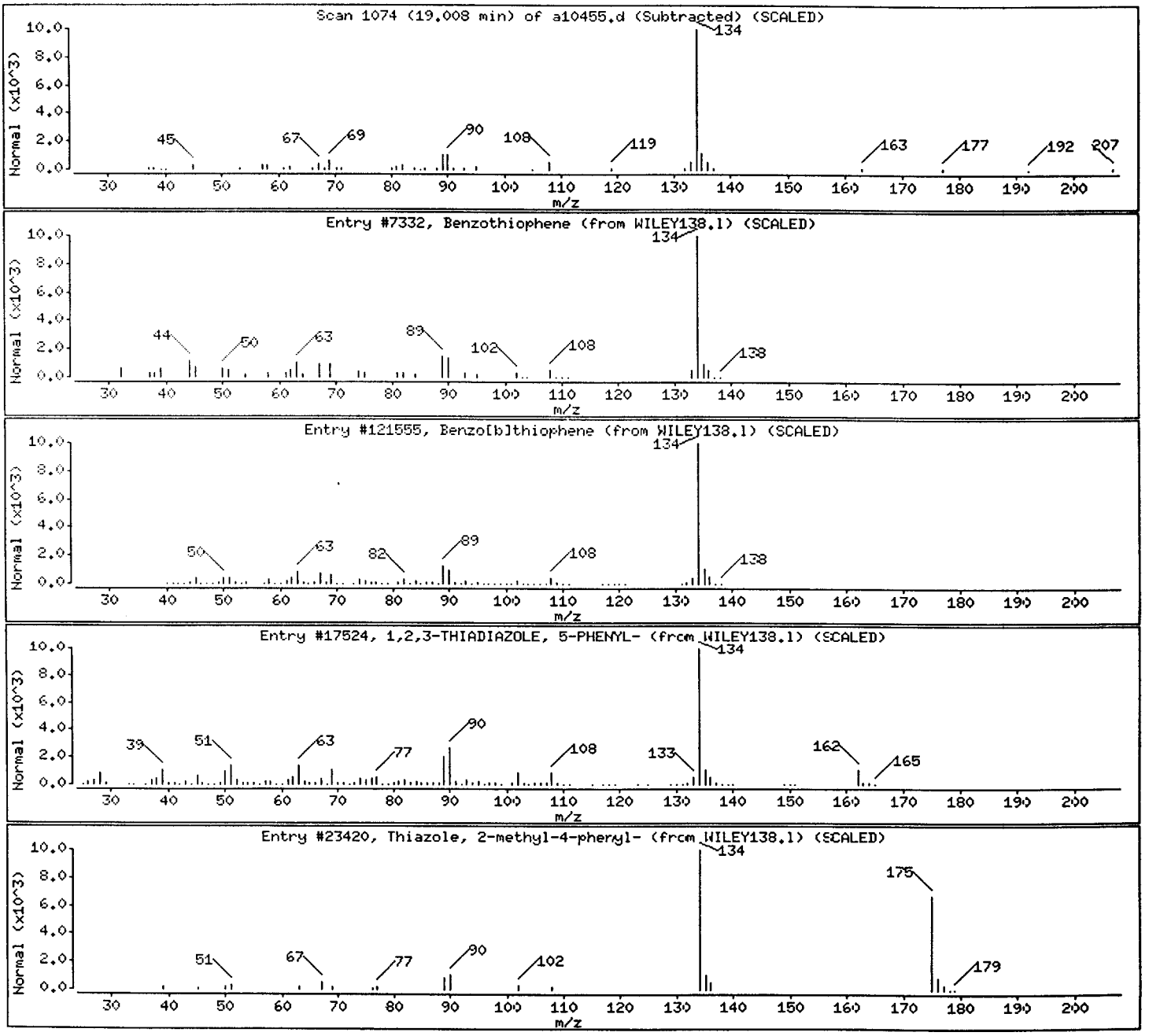
Client ID: EB-3_16-16.5 Instrument: VOAMS1.i

Sample Info: 237814;;;5.01;5

Operator: VOAMS 8

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzothiophene Isomer		WILEY138.l	7332	91	C8H6S	134
Benzo[b]thiophene	95-15-8	WILEY138.l	121555	91	C8H6S	134
1,2,3-THIADIAZOLE, 5-PHENYL-	0-00-0	WILEY138.l	17524	83	C8H6N2S	162
Thiazole, 2-methyl-4-phenyl-	1826-16-0	WILEY138.l	23420	78	C10H9NS	175



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10455.d

Date : 29-OCT-2000 21:56

Client ID: EB-3_16-16.5

Instrument: VOAMS1.i

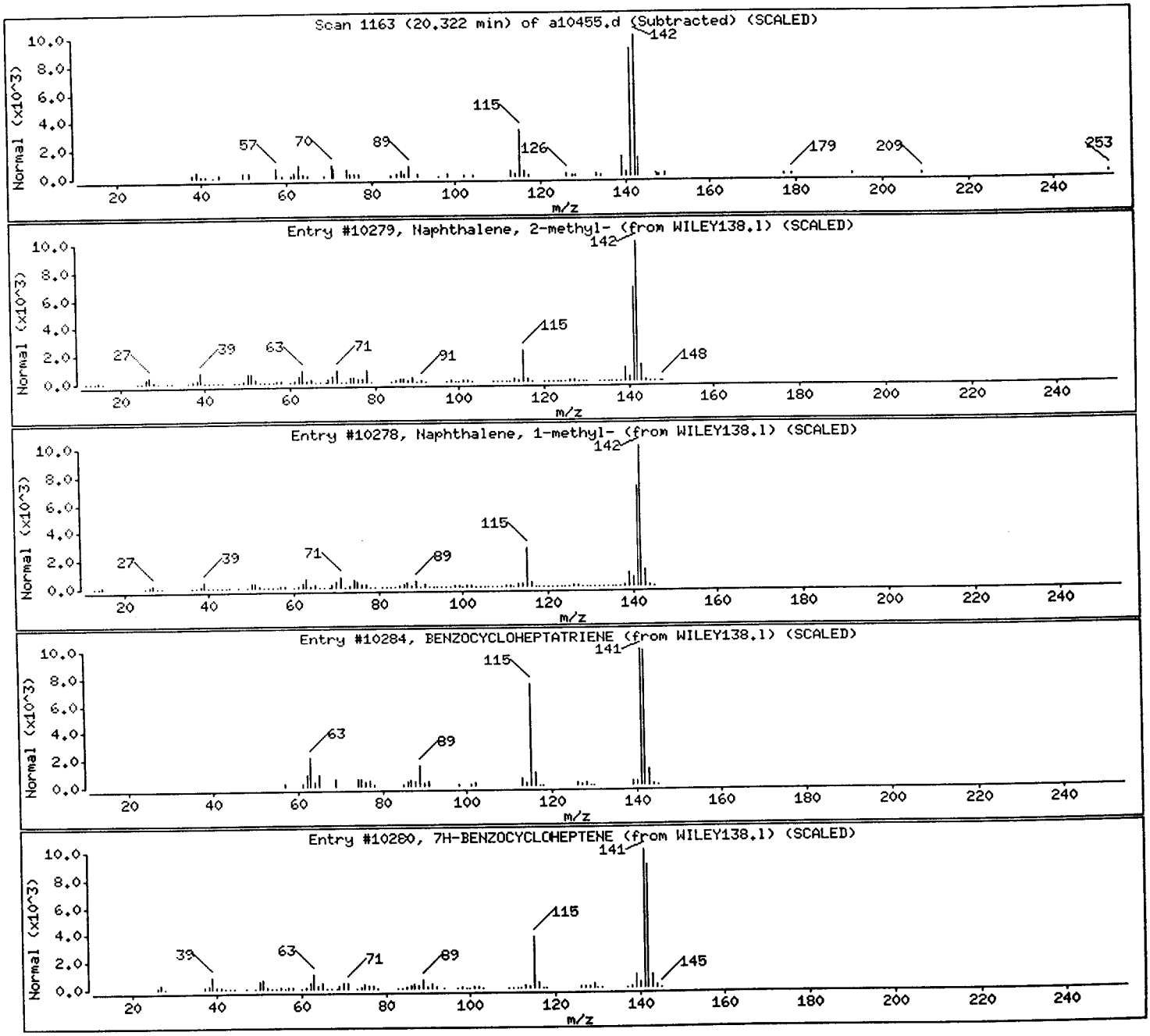
Sample Info: 237814;;;5.01;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Methylnaphthalene isomer						
Naphthalene, 2-methyl-	91-57-6	WILEY138.1	10279	95	C11H10	142
Naphthalene, 1-methyl-	90-12-0	WILEY138.1	10278	94	C11H10	142
BENZOCYCLOHEPTATRIENE	264-09-5	WILEY138.1	10284	91	C11H10	142
7H-BENZOCYCLOHEPTENE	0-00-0	WILEY138.1	10280	91	C11H10	142



Client ID: **EB-4_1.5-2**
Site: Rexam DSI

Lab Sample No: **237815**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10463.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.8 g
Purge Volume: 5.0 ml
% Moisture: 8

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.6
Bromomethane	ND	4.6
Vinyl Chloride	ND	4.6
Chloroethane	ND	4.6
Methylene Chloride	ND	2.8
Trichlorofluoromethane	ND	4.6
1,1-Dichloroethene	ND	1.9
1,1-Dichloroethane	ND	4.6
trans-1,2-Dichloroethene	ND	4.6
cis-1,2-Dichloroethene	ND	4.6
Chloroform	ND	4.6
1,2-Dichloroethane	ND	1.9
1,1,1-Trichloroethane	ND	4.6
Carbon Tetrachloride	ND	1.9
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.6
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.6
1,1,2-Trichloroethane	ND	2.8
Benzene	ND	0.9
trans-1,3-Dichloropropene	ND	4.6
2-Chloroethyl Vinyl Ether	ND	4.6
Bromoform	ND	3.7
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	0.6J	4.6
Chlorobenzene	ND	4.6
Ethylbenzene	ND	3.7
Xylene (Total)	ND	4.6

Client ID: **EB-4_1.5-2**
Site: Rexam DSI

Lab Sample No: **237815**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10463.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.8 g
Purge Volume: 5.0 ml
% Moisture: 7.9

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Alkane	3.94	6.8	
2.	2,3-dihydro-methyl-1H-Indene isomer/Un	18.05	5.1	
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	12

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10463.d
Report Date: 06-Nov-2000 15:05

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10463.d
Lab Smp Id: 237815 Client Smp ID: EB-4_1.5-2
Inj Date : 30-OCT-2000 11:35
Operator : VOAMS 8 Inst ID: VOAMS1.i
Smp Info : 237815;;;5.83;5
Misc Info : F104;1914;AT
Comment :
Method : /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/8260L_00.m
Meth Date : 03-Nov-2000 14:01 maryb Quant Type: ISTD
Cal Date : 20-OCT-2000 18:54 Cal File: a10343.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.83000	Weight of sample extracted (g)
M	7.90000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	9.674	9.671	(0.956)	1417256	49.4611	46
* 19 Fluorobenzene	96	10.117	10.129	(1.000)	4805534	50.0000	
$ 37 Toluene-d8 (SUR)	98	12.067	12.064	(0.878)	3319457	52.1235	48
38 Toluene	91	12.156	12.153	(0.884)	50320	0.66244	0.62(a)
* 32 Chlorobenzene-d5	117	13.751	13.763	(1.000)	3285133	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	15.036	15.048	(0.924)	1895630	62.2847	58
* 91 1,4-Dichlorobenzene-d4	152	16.277	16.289	(1.000)	1381304	50.0000	

QC Flag Legend

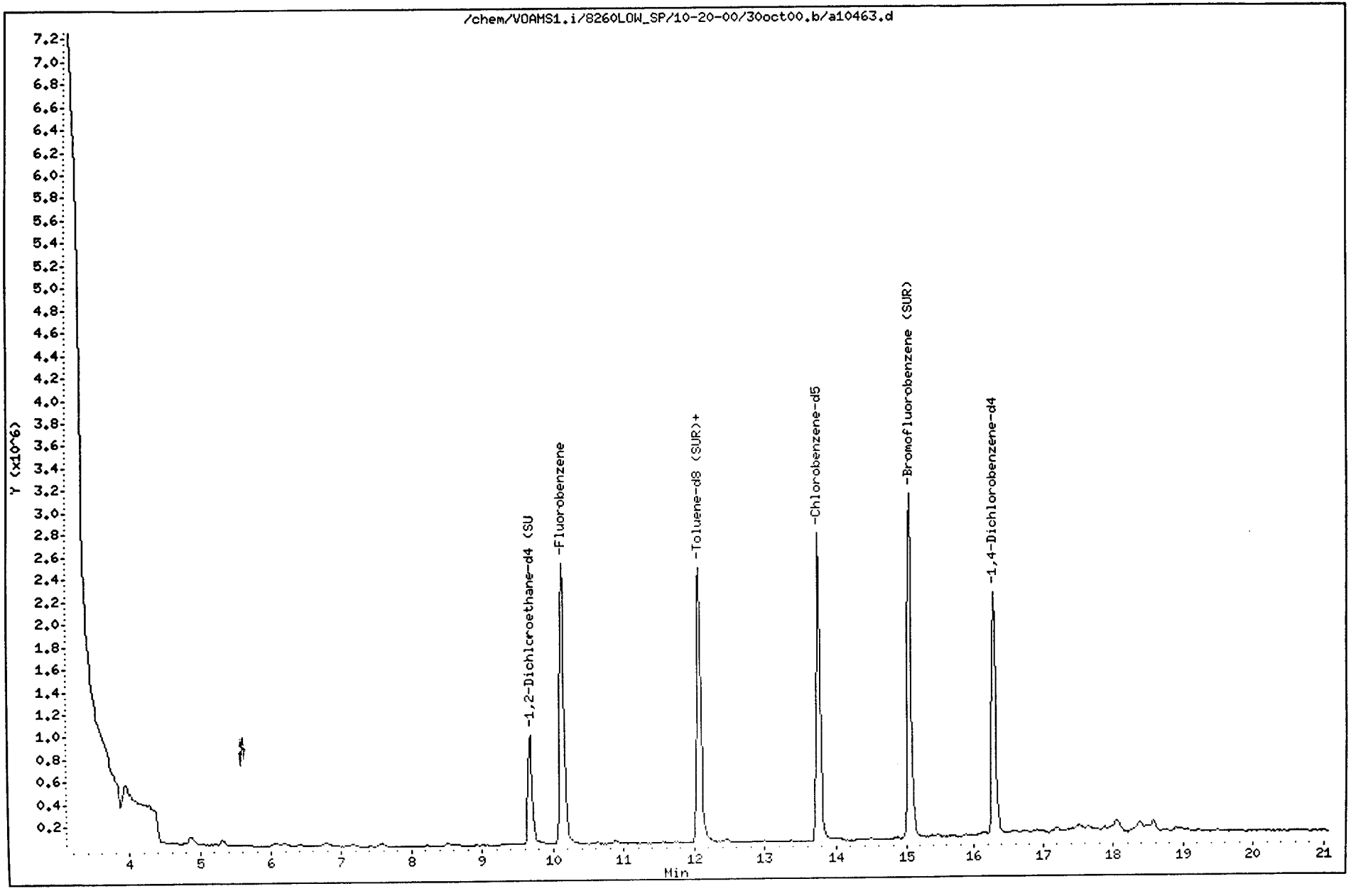
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10463.d
Date : 30-OCT-2000 11:35
Client ID: EB-4_1.5-2
Sample Info: 237815;;;5.83;5

Column phase: DB624

Instrument: VOAMS1.i

Operator: VOAMS 8
Column diameter: 0.53



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10463.d

Date : 30-OCT-2000 11:35

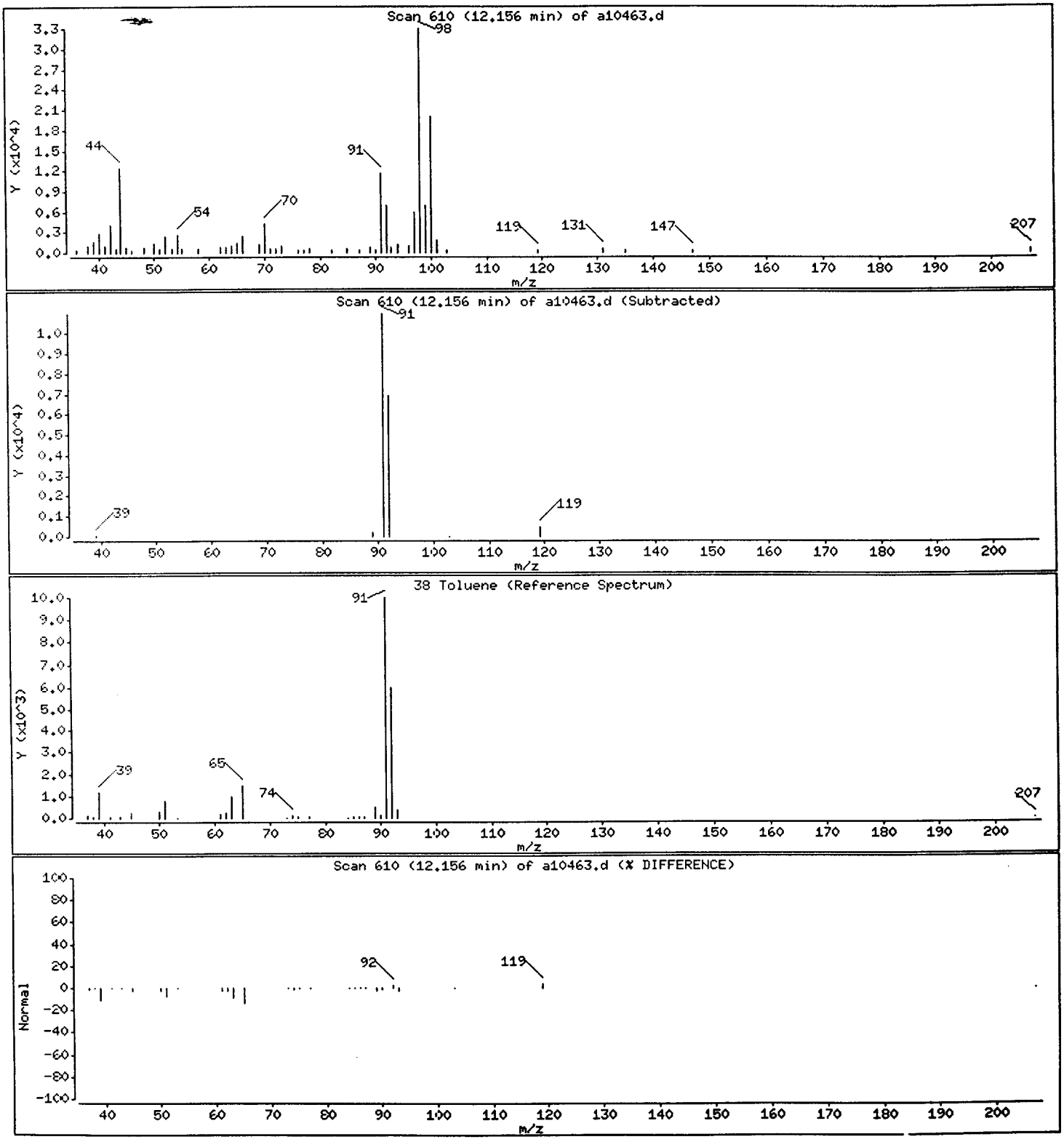
Client ID: EB-4_1.5-2 Instrument: VOAMS1.i

Sample Info: 237815;;;5.83;5

Operator: VOAMS 8

Column phase: DB624 Column diameter: 0.53

38 Toluene Concentration: 0.62 ug/Kg



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10463.d

Date : 30-OCT-2000 11:35

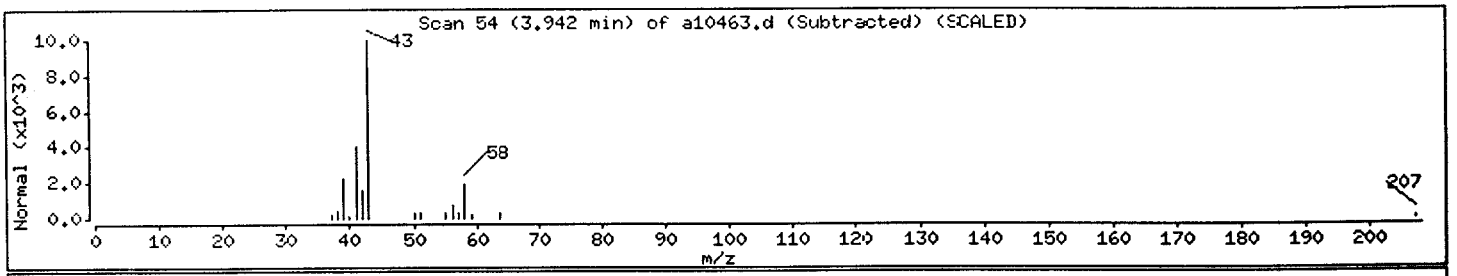
Client ID: EB-4_1.5-2 Instrument: VOAMS1.i

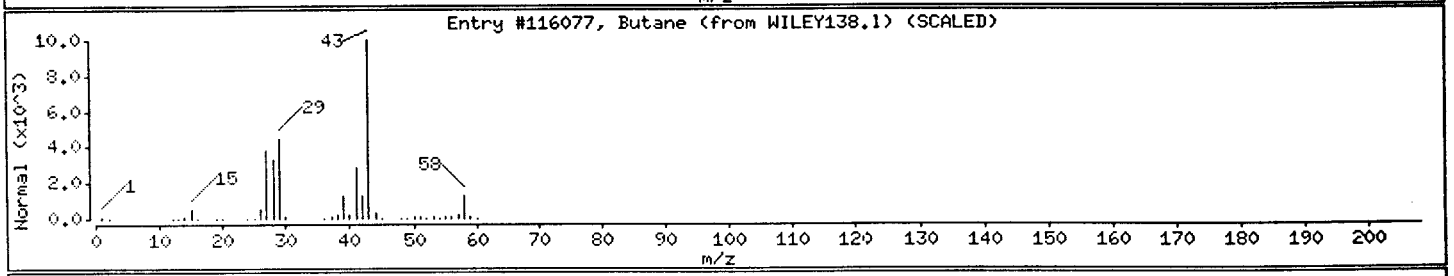
Sample Info: 237815;;;5.83;5

Operator: VOAMS 8

Column phase: DB624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Butane	106-97-8	WILEY138.l	116077	40	C4H10	58





Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10463.d

Date : 30-OCT-2000 11:35

Client ID: EB-4_1.5-2

Instrument: VOAMS1.i

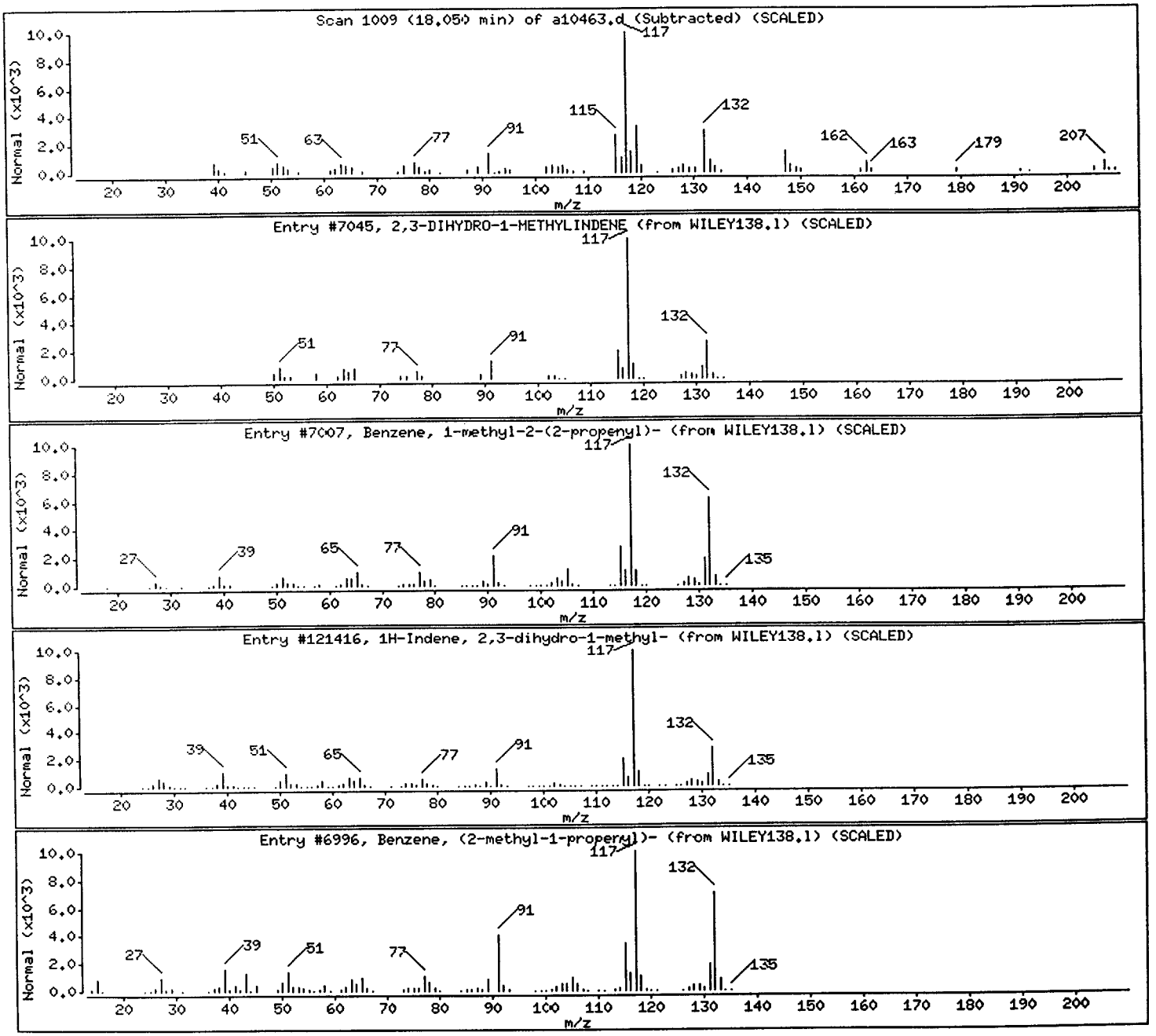
Sample Info: 237815;;;5.83;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2,3-dihydro-methyl-1H-Indene isomer/Unknown						
2,3-DIHYDRO-1-METHYLINDENE	27133-93-3	WILEY138.l	7045	93	C10H12	132
Benzene, 1-methyl-2-(2-propenyl)-	1587-04-8	WILEY138.l	7007	76	C10H12	132
1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	WILEY138.l	121416	76	C10H12	132
Benzene, (2-methyl-1-propenyl)-	768-49-0	WILEY138.l	6996	68	C10H12	132



Client ID: **EB-5_1.2-1.7**
Site: Rexam DSI

Lab Sample No: **237816**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10464.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.7 g
Purge Volume: 5.0 ml
% Moisture: 10

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.9
Bromomethane	ND	4.9
Vinyl Chloride	ND	4.9
Chloroethane	ND	4.9
Methylene Chloride	ND	2.9
Trichlorofluoromethane	1.0J	4.9
1,1-Dichloroethene	ND	1.9
1,1-Dichloroethane	ND	4.9
trans-1,2-Dichloroethene	ND	4.9
cis-1,2-Dichloroethene	ND	4.9
Chloroform	ND	4.9
1,2-Dichloroethane	ND	1.9
1,1,1-Trichloroethane	ND	4.9
Carbon Tetrachloride	ND	1.9
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	4.9
Trichloroethene	ND	1.0
Dibromochloromethane	ND	4.9
1,1,2-Trichloroethane	ND	2.9
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	4.9
2-Chloroethyl Vinyl Ether	ND	4.9
Bromoform	ND	3.9
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	0.7J	4.9
Chlorobenzene	ND	4.9
Ethylbenzene	ND	3.9
Xylene (Total)	ND	4.9

Client ID: **EB-5_1.2-1.7**
Site: Rexam DSI

Lab Sample No: **237816**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10464.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.7 g
Purge Volume: 5.0 ml
% Moisture: 10.3

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
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21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION | 0.0

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10464.d
Report Date: 31-Oct-2000 15:09

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10464.d
Lab Smp Id: 237816 Client Smp ID: EB-5_1.2-1.7
Inj Date : 30-OCT-2000 12:06
Operator : VOAMS 8 Inst ID: VOAMS1.i
Smp Info : 237816;;;5.72;5
Misc Info : F104;1914;AT KWB
Comment :
Method : /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/8260L_00.m
Meth Date : 30-Oct-2000 08:34 audberto Quant Type: ISTD
Cal Date : 20-OCT-2000 18:54 Cal File: a10343.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.72000	Weight of sample extracted (g)
M	10.30000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	9 Trichlorofluoromethane	101	5.212	5.194	(0.514)	55493	1.00232	0.98(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	9.674	9.671	(0.955)	1312887	53.0683	52
*	19 Fluorobenzene	96	10.132	10.129	(1.000)	4149057	50.0000	
$	37 Toluene-d8 (SUR)	98	12.067	12.064	(0.877)	2824602	61.3818	60
	38 Toluene	91	12.171	12.153	(0.884)	39950	0.72784	0.71(a)
*	32 Chlorobenzene-d5	117	13.766	13.763	(1.000)	2373765	50.0000	
$	41 Bromofluorobenzene (SUR)	174	15.037	15.048	(0.923)	1119797	77.6019	76
*	91 1,4-Dichlorobenzene-d4	152	16.293	16.289	(1.000)	654914	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10464.d
Date : 30-OCT-2000 12:06
Client ID: EB-5_1.2-1.7
Sample Info: 237816;;;5.72;5

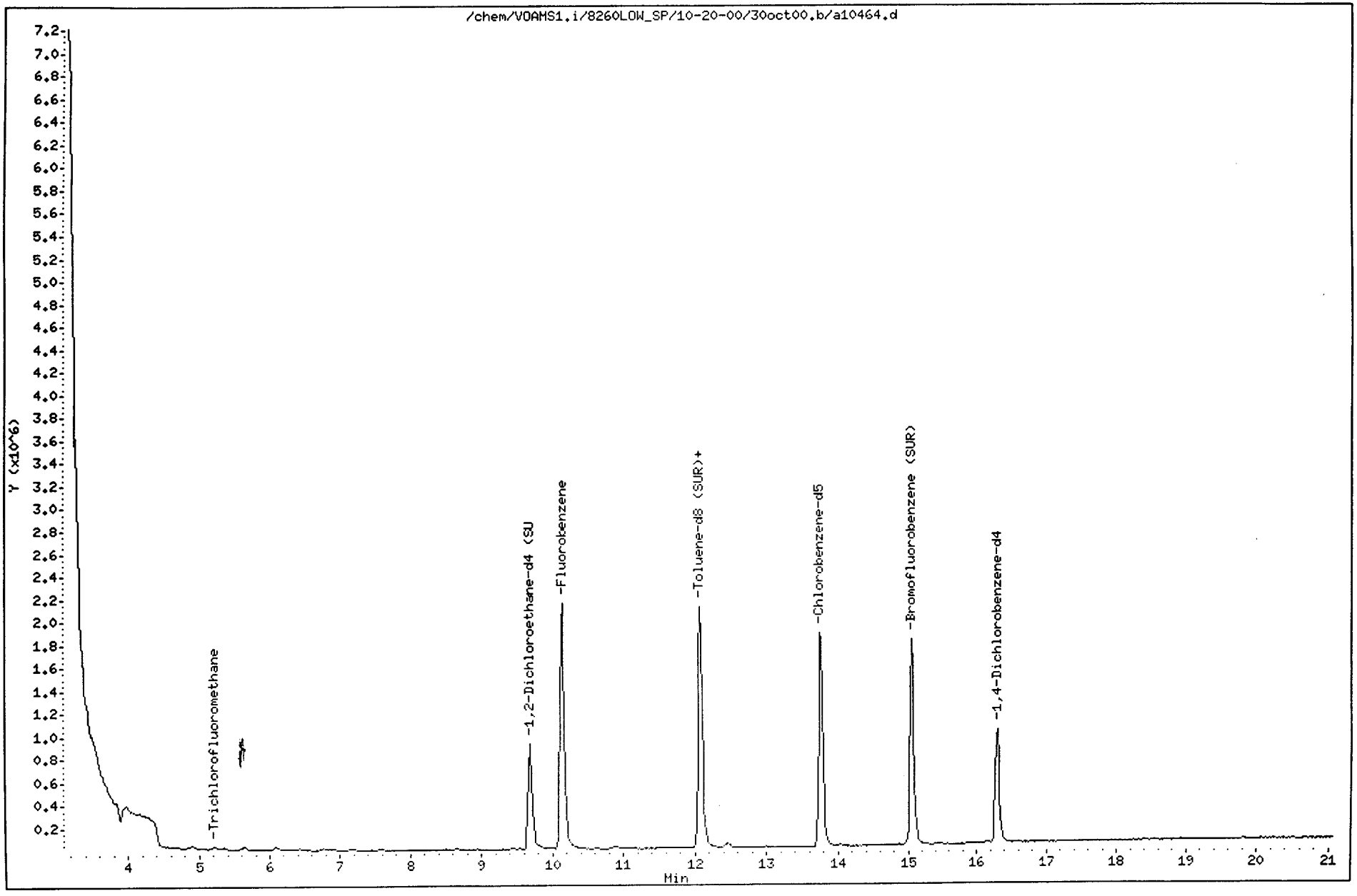
Column phase: DB624

Instrument: VOAMS1.i

Operator: VOAMS 8
Column diameter: 0.53

K L12

201



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10464.d

Date : 30-OCT-2000 12:06

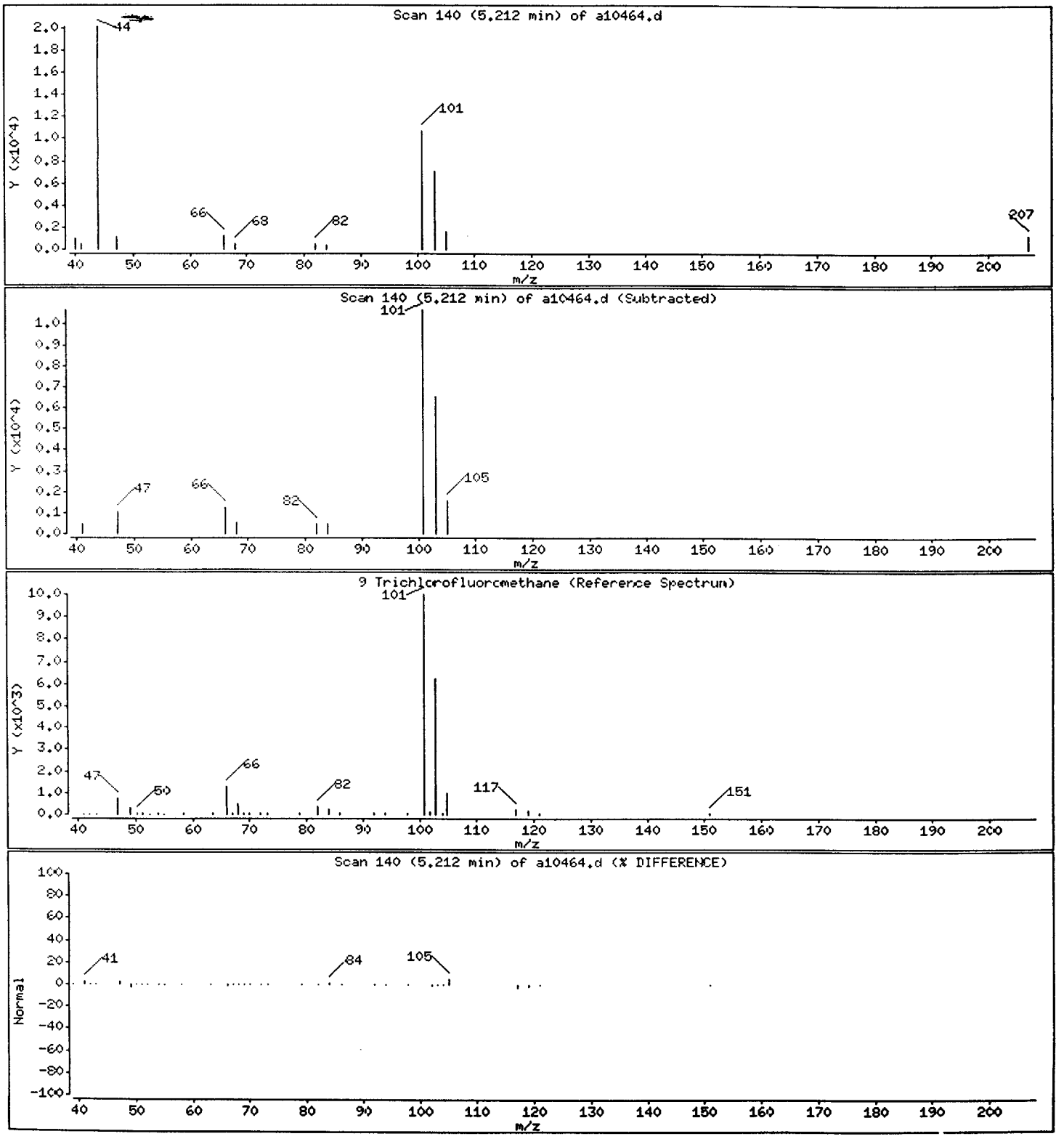
Client ID: EB-5_1.2-1.7 Instrument: VOAMS1.i

Sample Info: 237816;;;5.72;5

Operator: VOAMS 8

Column phase: DB624 Column diameter: 0.53

9 Trichloroflucromethane Concentration: 0.98 ug/Kg



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10464.d

Date : 30-OCT-2000 12:06

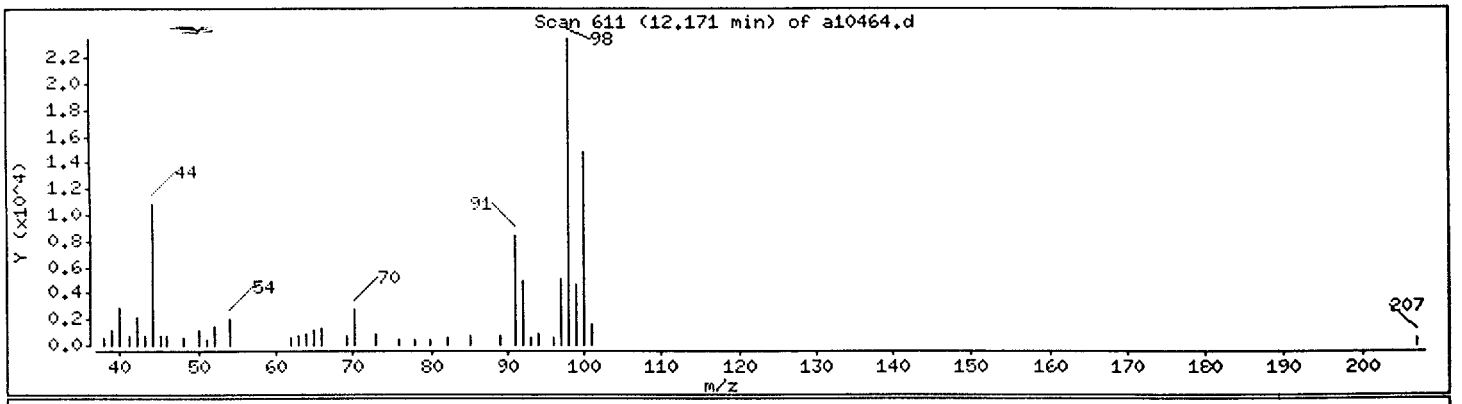
Client ID: EB-5_1.2-1.7 Instrument: VOAMS1.i

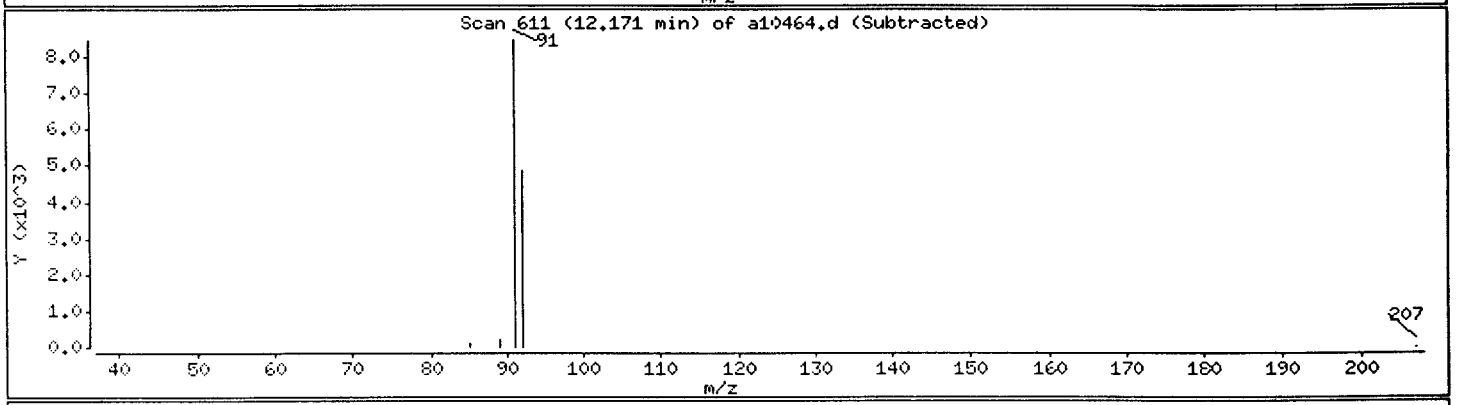
Sample Info: 237816;;;5.72;5

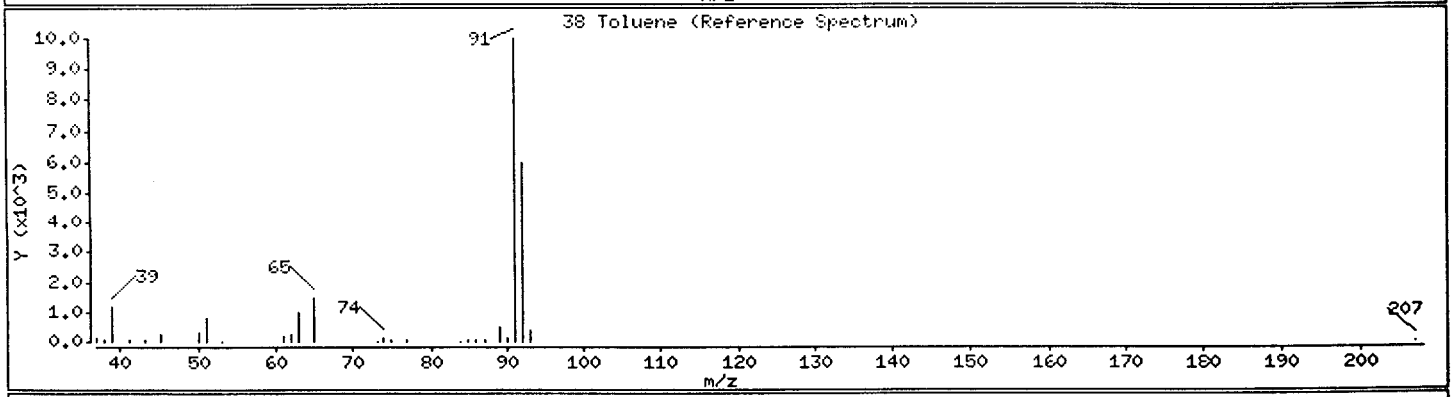
Operator: VOAMS 8

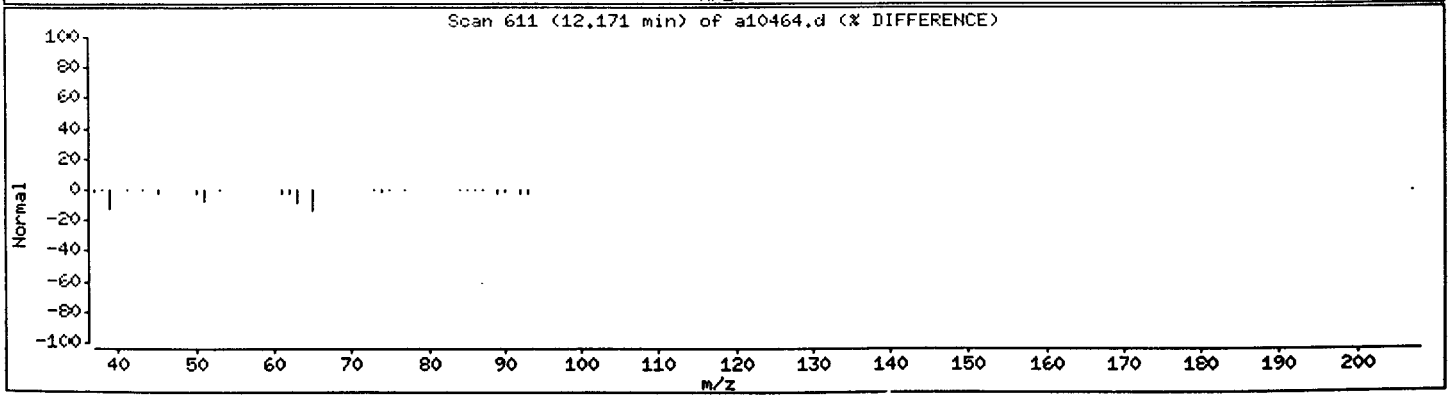
Column phase: DB624 Column diameter: 0.53

38 Toluene Concentration: 0.71 ug/Kg









Client ID: **EB-6_Outfall**
Site: Rexam DSI

Lab Sample No: **237817**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10465.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 22

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	6.3
Bromomethane	ND	6.3
Vinyl Chloride	ND	6.3
Chloroethane	ND	6.3
Methylene Chloride	2.5JB	3.8
Trichlorofluoromethane	ND	6.3
1,1-Dichloroethene	ND	2.5
1,1-Dichloroethane	ND	6.3
trans-1,2-Dichloroethene	ND	6.3
cis-1,2-Dichloroethene	ND	6.3
Chloroform	ND	6.3
1,2-Dichloroethane	ND	2.5
1,1,1-Trichloroethane	ND	6.3
Carbon Tetrachloride	ND	2.5
Bromodichloromethane	ND	1.2
1,2-Dichloropropane	ND	1.2
cis-1,3-Dichloropropene	ND	6.3
Trichloroethene	ND	1.2
Dibromochloromethane	ND	6.3
1,1,2-Trichloroethane	ND	3.8
Benzene	1.3	1.2
trans-1,3-Dichloropropene	ND	6.3
2-Chloroethyl Vinyl Ether	ND	6.3
Bromoform	ND	5.0
Tetrachloroethene	ND	1.2
1,1,2,2-Tetrachloroethane	ND	1.2
Toluene	1.5J	6.3
Chlorobenzene	ND	6.3
Ethylbenzene	ND	5.0
Xylene (Total)	ND	6.3

Client ID: **EB-6_Outfall**
Site: Rexam DSI

Lab Sample No: **237817**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10465.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 22.5

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Alkene	3.35	340	
2.	Unknown	3.70	46	
3.	Unknown Alkene	3.97	130	
4.	Unknown Alkene	4.31	48	
5.	C5H12 Alkane	4.91	17	
6.	C5H10 Alkene	5.25	20	
7.	Unknown	5.36	32	
8.	2-Propanone	6.05	17	
9.	Unknown Alkane	6.82	8.8	
10.	2-Butanone	8.58	9.7	
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	668

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10465.d
Report Date: 01-Nov-2000 16:55

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10465.d
Lab Smp Id: 237817 Client Smp ID: EB-6_Outfall
Inj Date : 30-OCT-2000 12:38
Operator : VOAMS 8 Inst ID: VOAMS1.i
Smp Info : 237817;;;5.14;5
Misc Info : F104;1914;AT
Comment :
Method : /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/8260L_00.m
Meth Date : 30-Oct-2000 08:34 audberto Quant Type: ISTD
Cal Date : 20-OCT-2000 18:54 Cal File: a10343.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.14000	Weight of sample extracted (g)
M	22.50000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	6 Methylene Chloride	84	6.687	6.716	(0.660)	30287	1.96949	2.5(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	9.686	9.671	(0.956)	876296	64.9138	81
	28 Benzene	78	9.819	9.789	(0.969)	37568	1.00515	1.3
*	19 Fluorobenzene	96	10.129	10.129	(1.000)	2263971	50.0000	
$	37 Toluene-d8 (SUR)	98	12.079	12.064	(0.878)	1314419	62.8396	79
	38 Toluene	91	12.168	12.153	(0.884)	29963	1.20094	1.5(a)
*	32 Chlorobenzene-d5	117	13.764	13.763	(1.000)	1078997	50.0000	
$	41 Bromofluorobenzene (SUR)	174	15.049	15.048	(0.924)	509958	77.1653	97
*	91 1,4-Dichlorobenzene-d4	152	16.290	16.289	(1.000)	299937	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

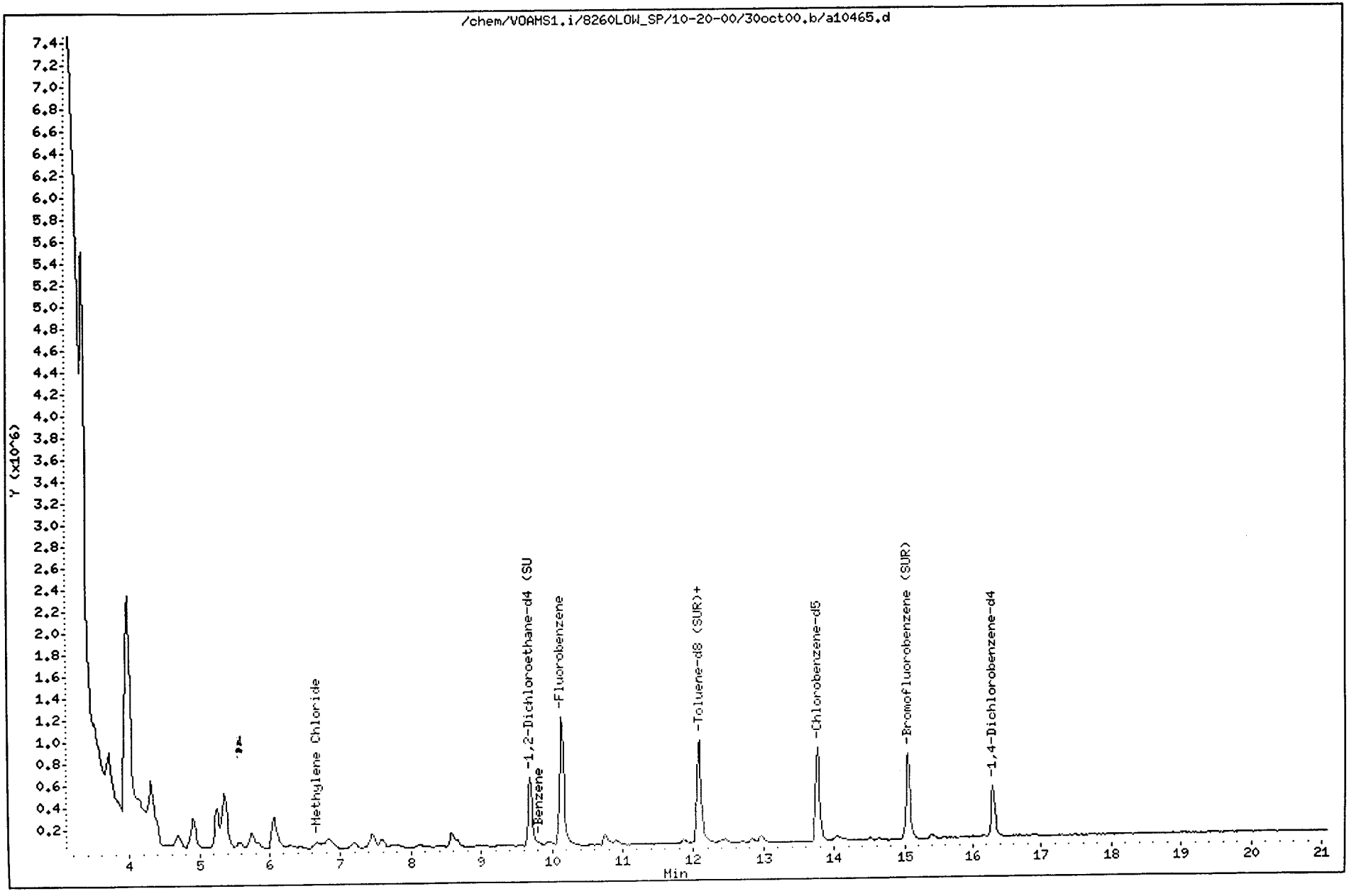
confirmed by A10464.

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10465.d
Date : 30-OCT-2000 12:38
Client ID: EB-6_Outfall
Sample Info: 237817;;;5.14;5

Column phase: DB624

Instrument: VOAMS1.i

Operator: VOAMS 8
Column diameter: 0.53



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10465.d

Date : 30-OCT-2000 12:38

Client ID: EB-6_Outfall

Instrument: VOAMS1.i

Sample Info: 237817;;;5.14;5

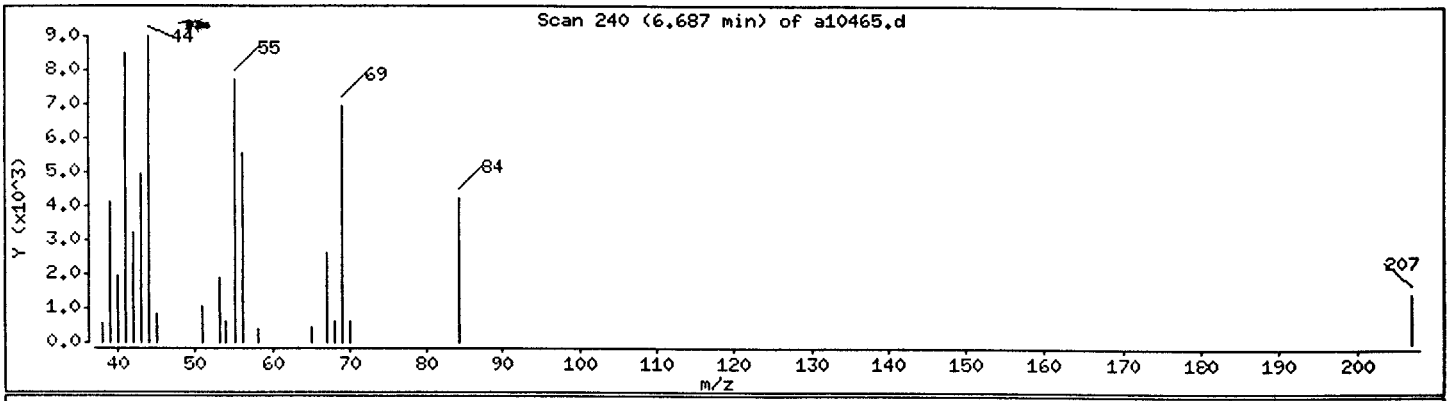
Operator: VOAMS 8

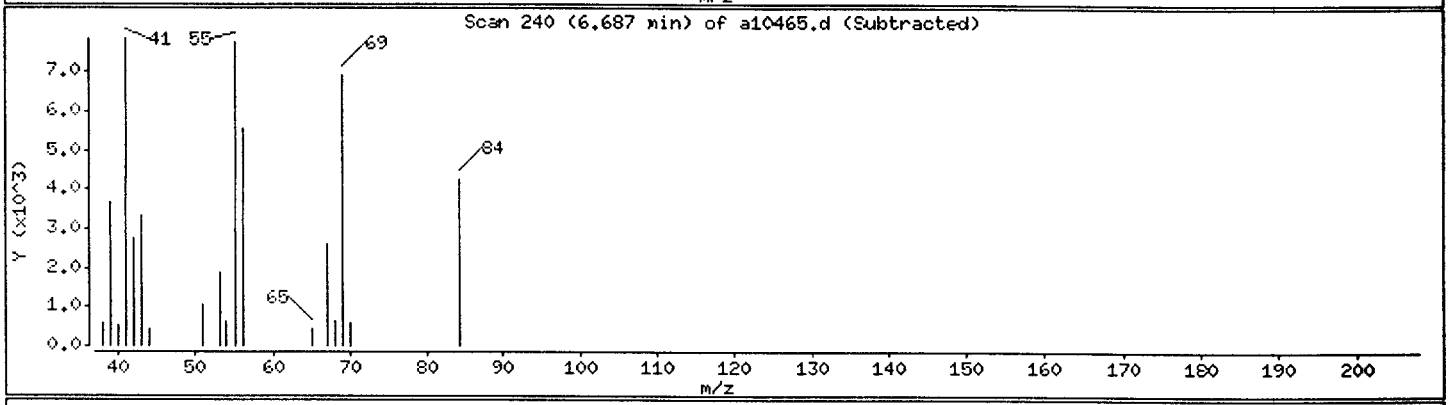
Column phase: DB624

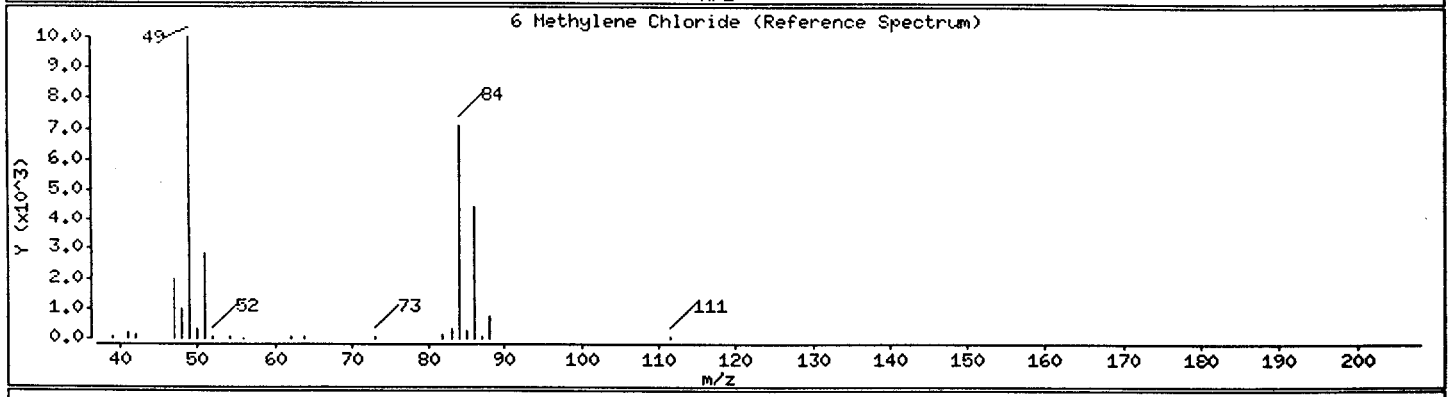
Column diameter: 0.53

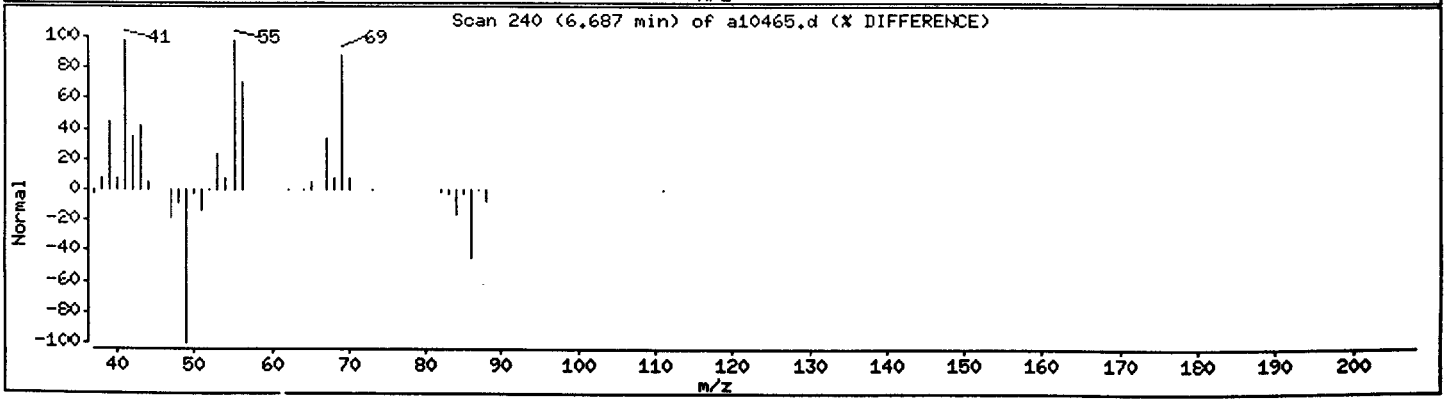
6 Methylene Chloride

Concentration: 2.5 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10465.d

Date : 30-OCT-2000 12:38

Client ID: EB-6_Outfall

Instrument: VOAMS1.i

Sample Info: 237817;;;5.14;5

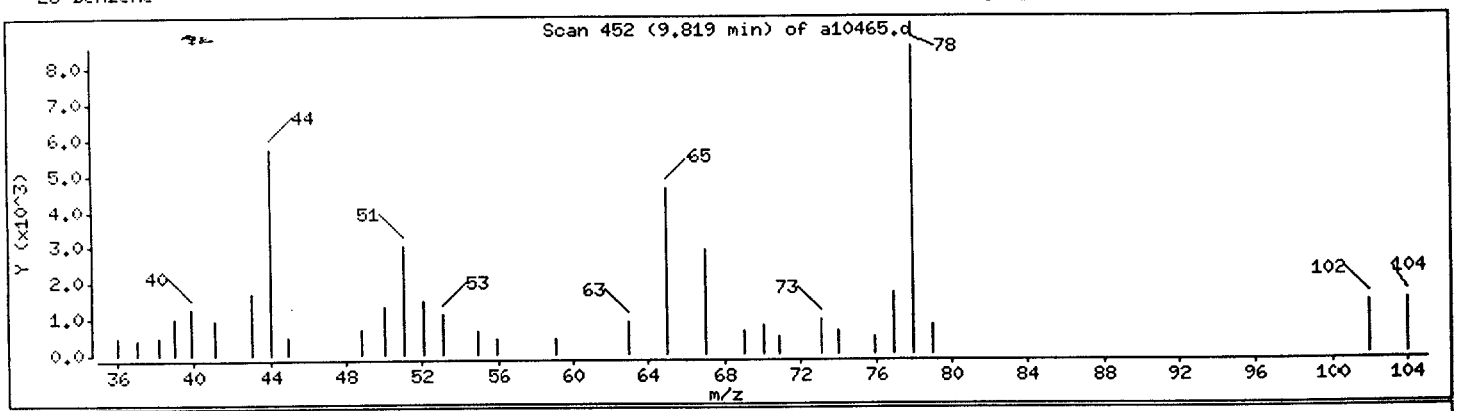
Operator: VOAMS 8

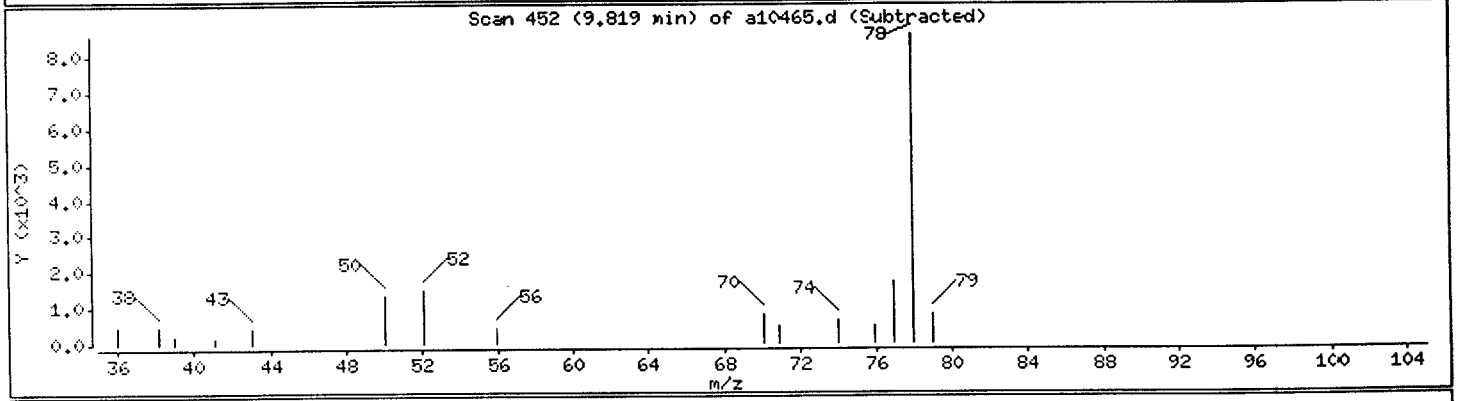
Column phase: DB624

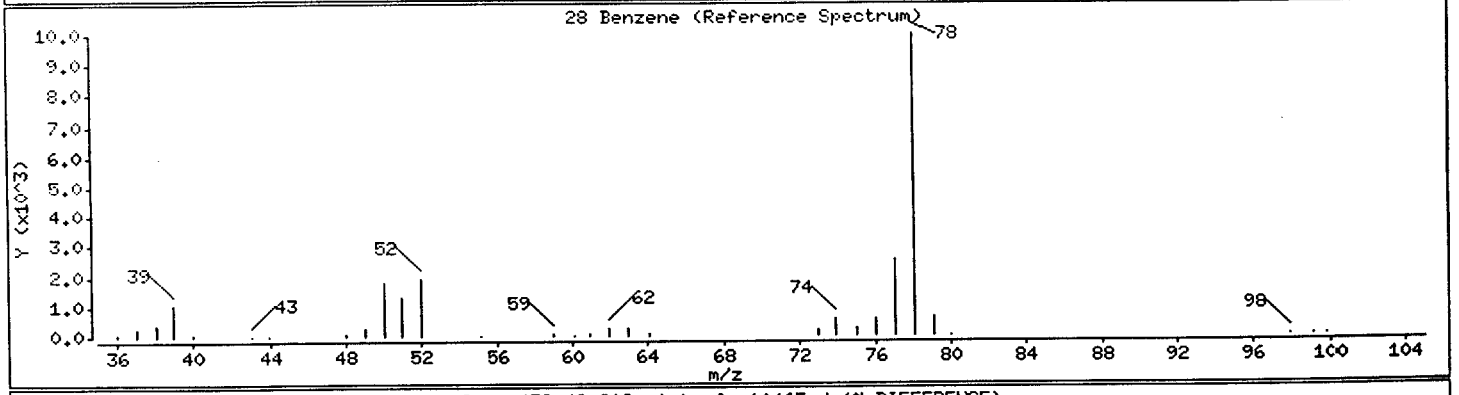
Column diameter: 0.53

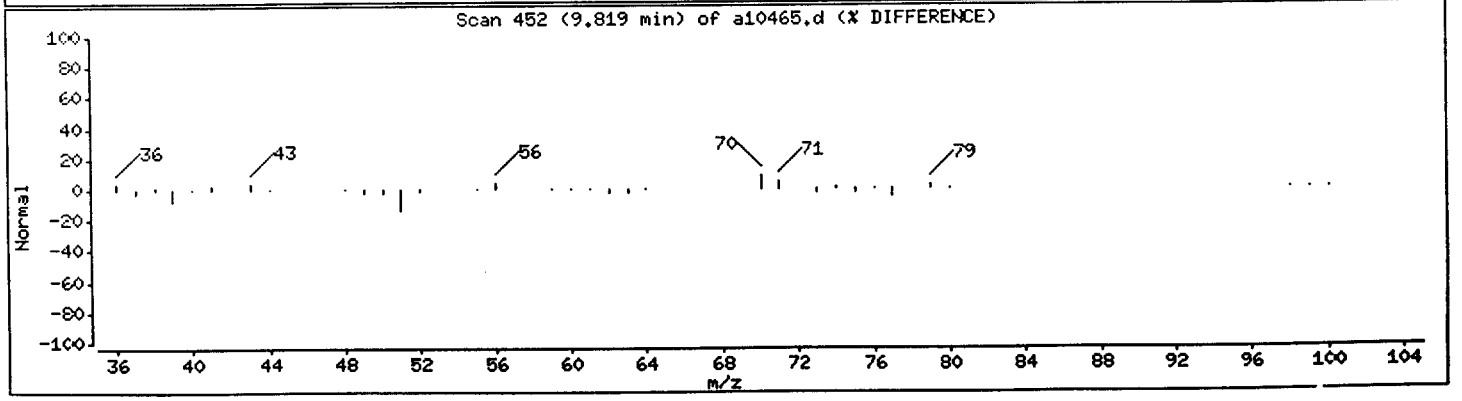
28 Benzene

Concentration: 1.3 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10465.d

Date : 30-OCT-2000 12:38

Client ID: EB-6_Outfall

Instrument: VOAMS1.i

Sample Info: 237817;;;5.14;5

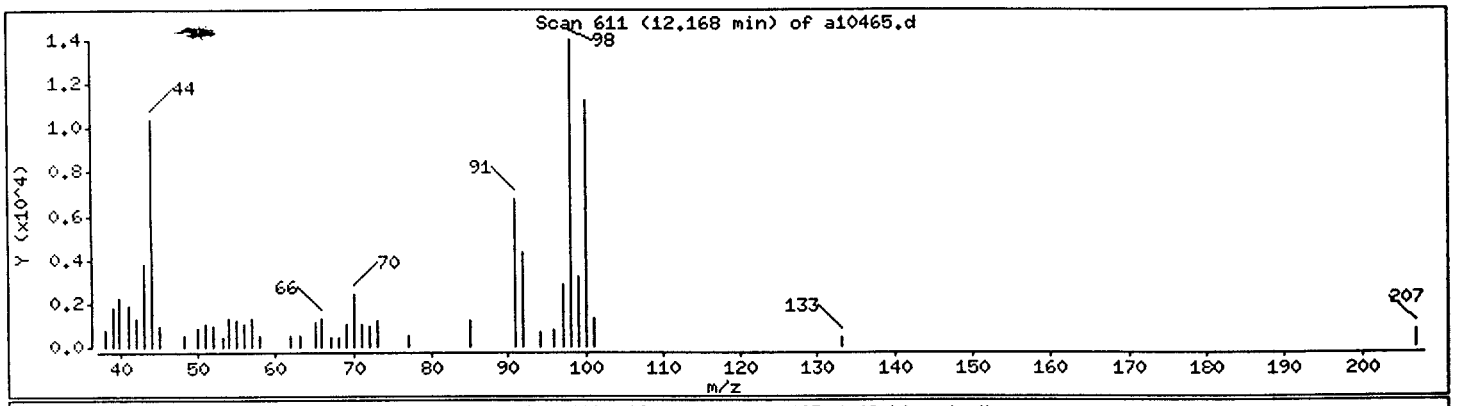
Operator: VOAMS 8

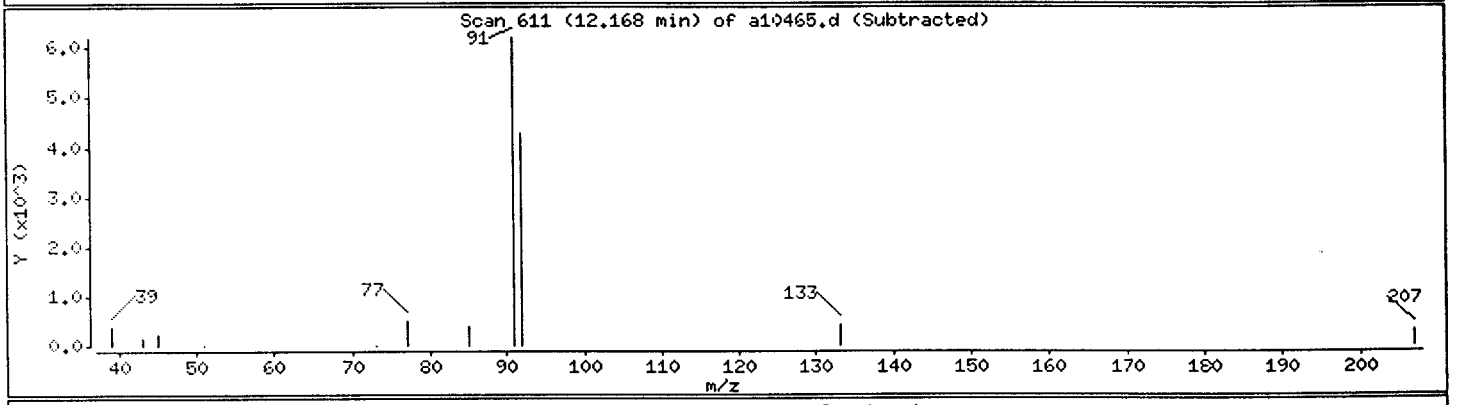
Column phase: DB624

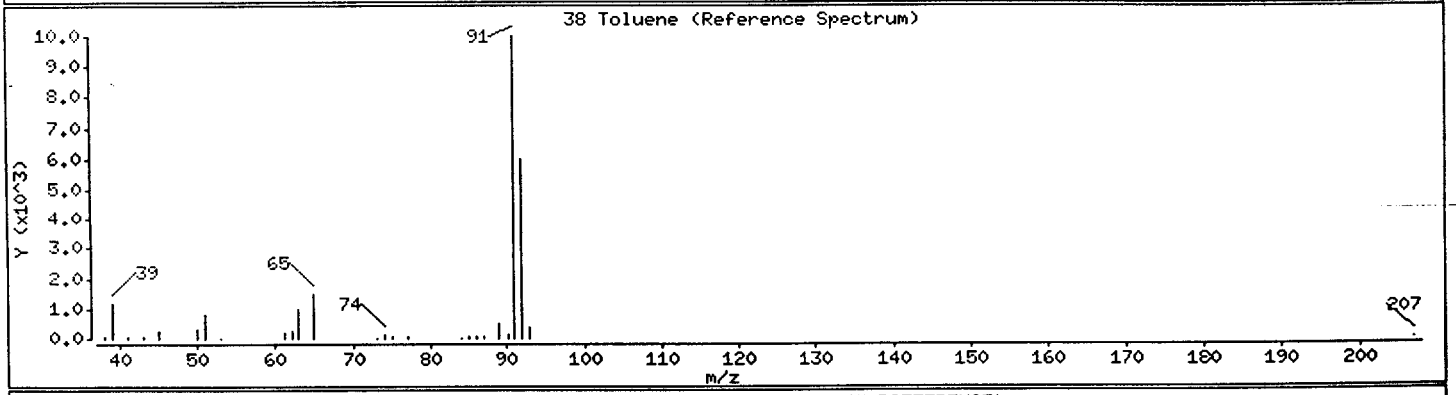
Column diameter: 0.53

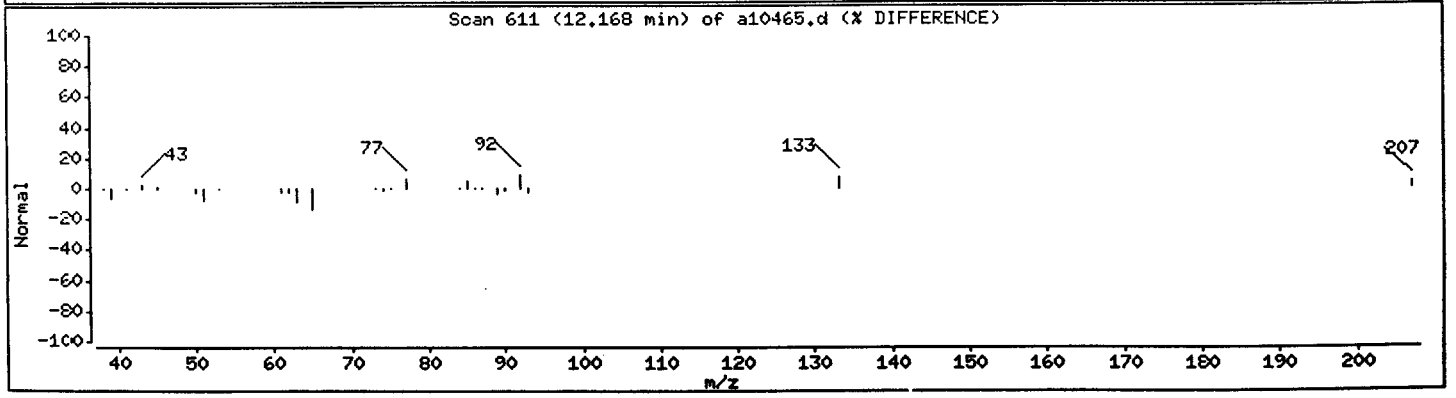
38 Toluene

Concentration: 1.5 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10465.d

Date : 30-OCT-2000 12:38

Client ID: EB-6_Outfall

Instrument: VOAMS1.i

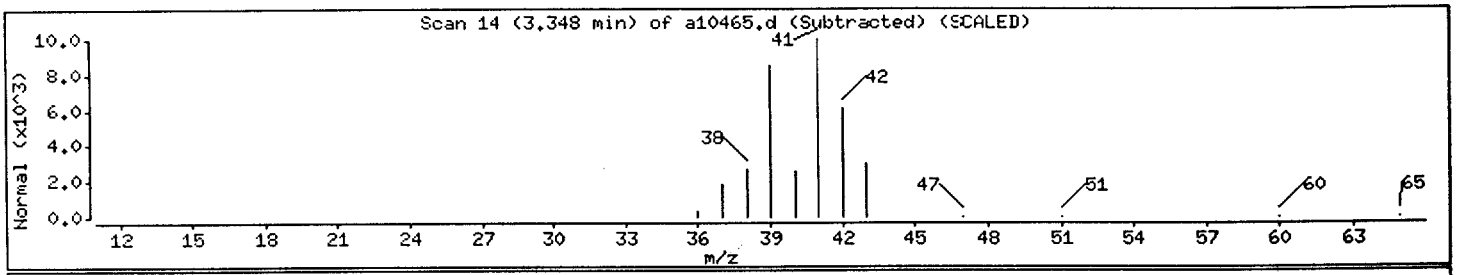
Sample Info: 237817;;;5.14;5

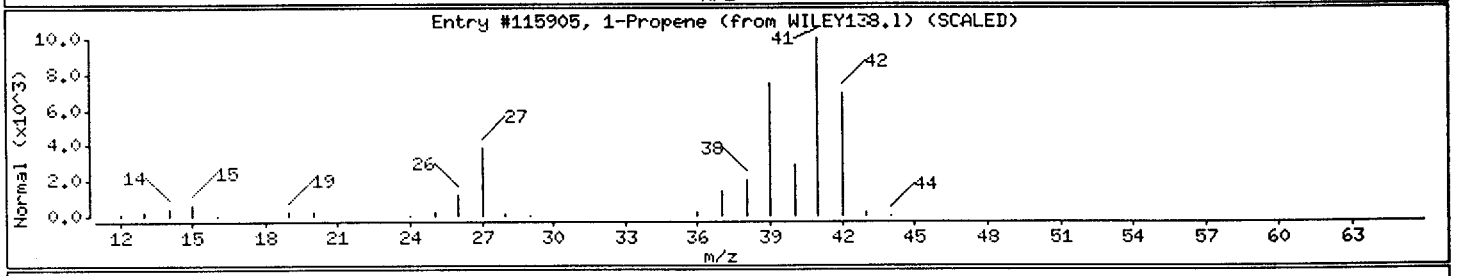
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkene						
1-Propene	115-07-1	WILEY138.1	115905	72	C3H6	42





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Date : 30-OCT-2000 12:38

Client ID: EB-6_Outfall

Instrument: VOAMS1.i

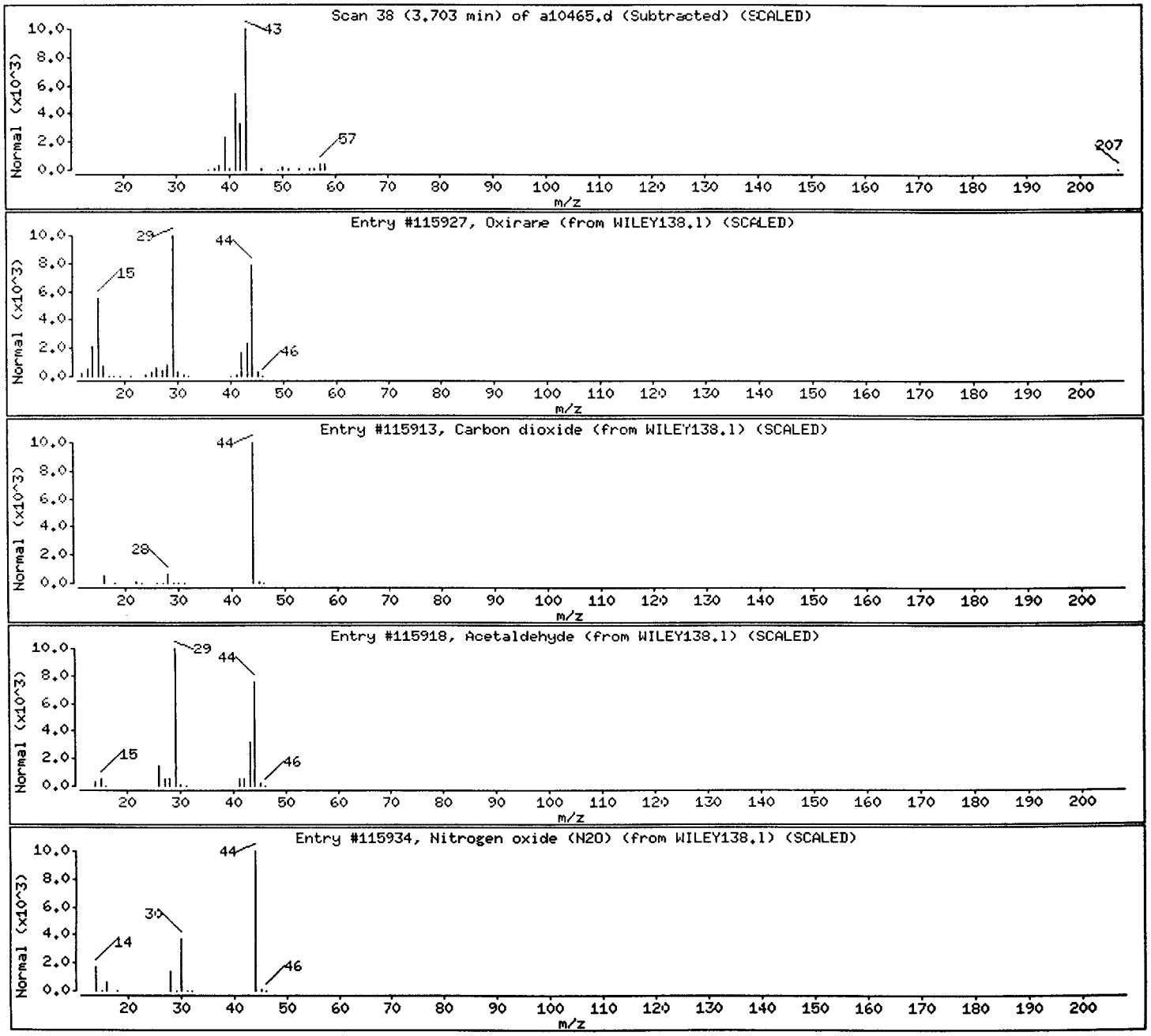
Sample Info: 237817;;;5.14;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Oxirane	75-21-8	WILEY138.l	115927	5	C2H4O	44
Carbon dioxide	124-38-9	WILEY138.l	115913	5	CO2	44
Acetaldehyde	75-07-0	WILEY138.l	115918	5	C2H4O	44
Nitrogen oxide (N2O)	10024-97-2	WILEY138.l	115934	3	N2O	44



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10465.d

Date : 30-OCT-2000 12:38

Client ID: EB-6_Outfall

Instrument: VOAMS1.i

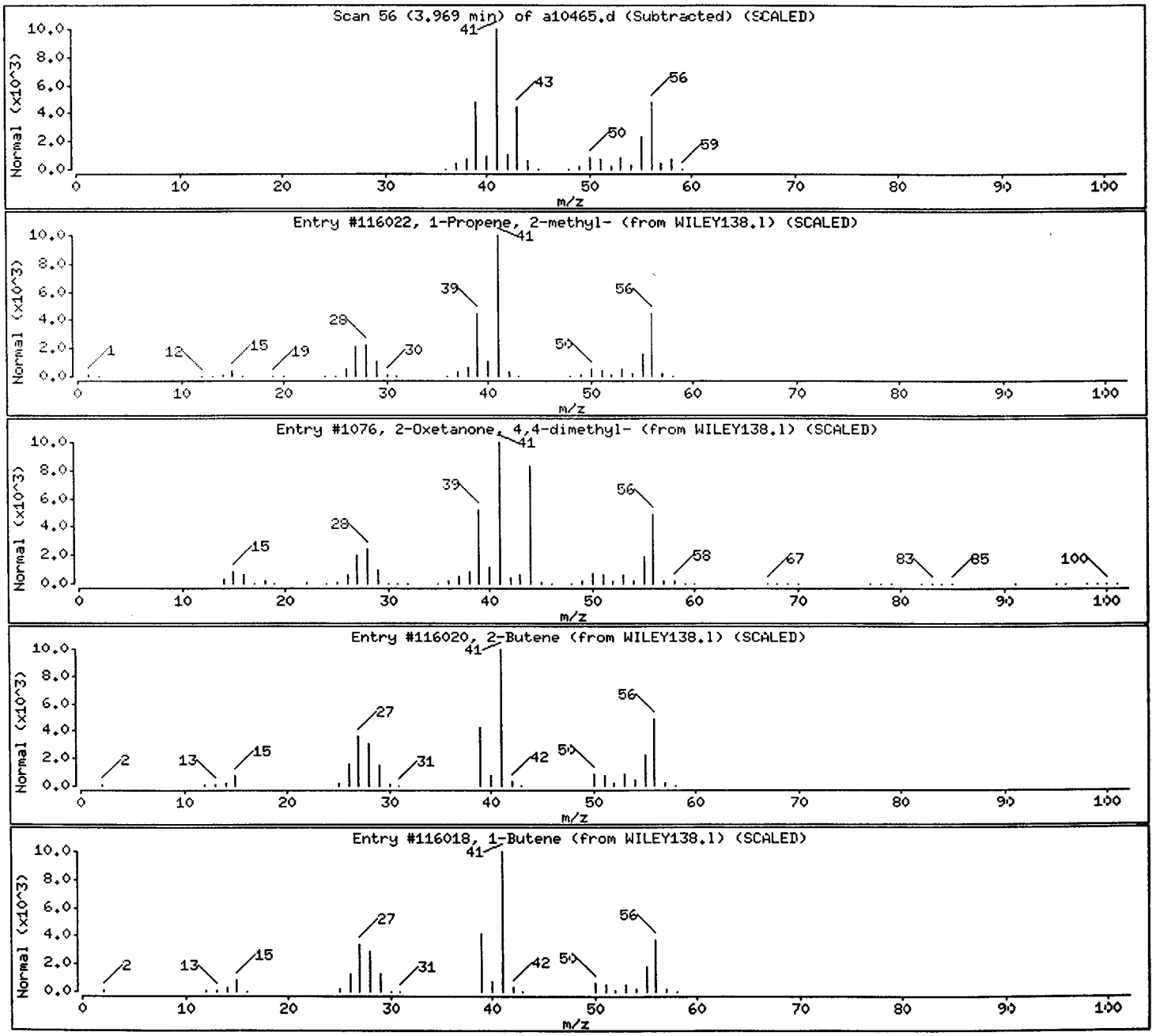
Sample Info: 237817;;;5.14;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkene						
1-Propene, 2-methyl-	115-11-7	WILEY138.l	116022	74	C4H8	56
2-Oxetanone, 4,4-dimethyl-	1823-52-5	WILEY138.l	1076	72	C5H8O2	100
2-Butene	107-01-7	WILEY138.l	116020	59	C4H8	56
1-Butene	106-98-9	WILEY138.l	116018	59	C4H8	56



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10465.d

Date : 30-OCT-2000 12:38

Client ID: EB-6_Outfall

Instrument: VOAMS1.i

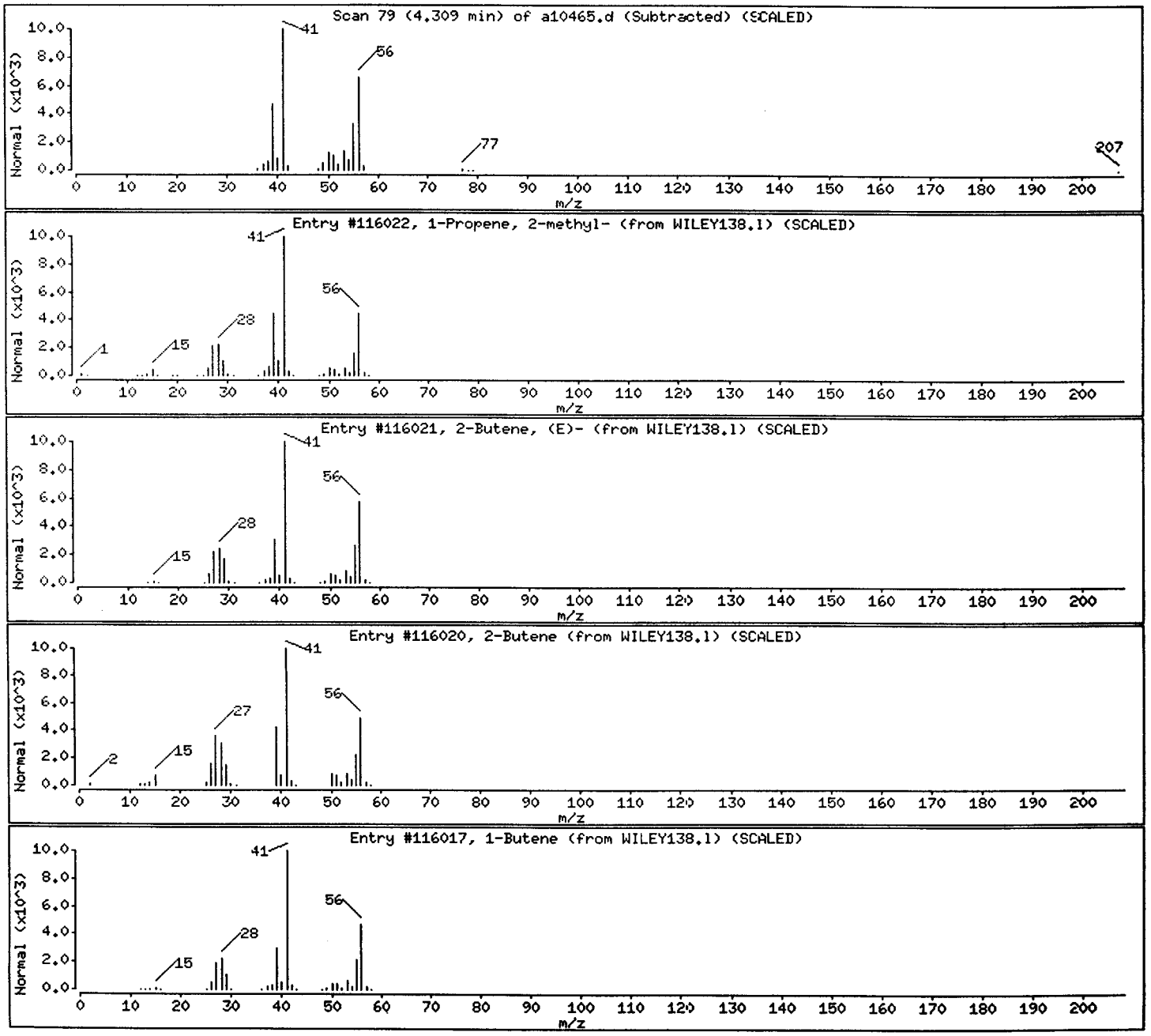
Sample Info: 237817;;;5.14;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkene						
1-Propene, 2-methyl-	115-11-7	WILEY138.l	116022	72	C4H8	56
2-Butene, (E)-	624-64-6	WILEY138.l	116021	64	C4H8	56
2-Butene	107-01-7	WILEY138.l	116020	53	C4H8	56
1-Butene	106-98-9	WILEY138.l	116017	53	C4H8	56



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10465.d

Date : 30-OCT-2000 12:38

Client ID: EB-6_Outfall

Instrument: VOAMS1.i

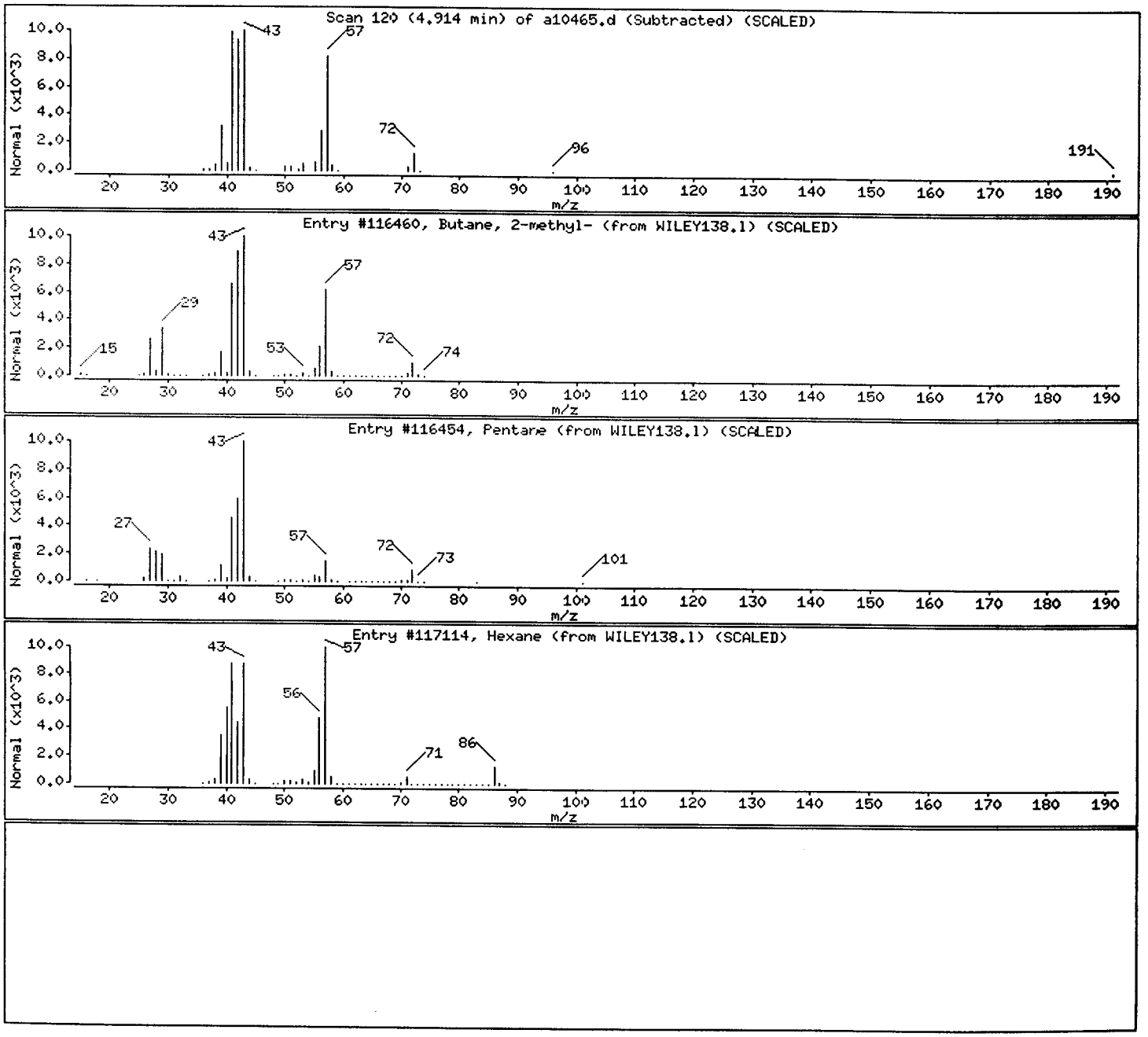
Sample Info: 237817;;;5.14;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C5H12 Alkane						
Butane, 2-methyl-	78-78-4	WILEY138.l	116460	90	C5H12	72
Pentane	109-66-0	WILEY138.l	116454	53	C5H12	72
Hexane	110-54-3	WILEY138.l	117114	25	C6H14	86



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Date : 30-OCT-2000 12:38

Client ID: EB-6_Outfall

Instrument: VOAMS1.i

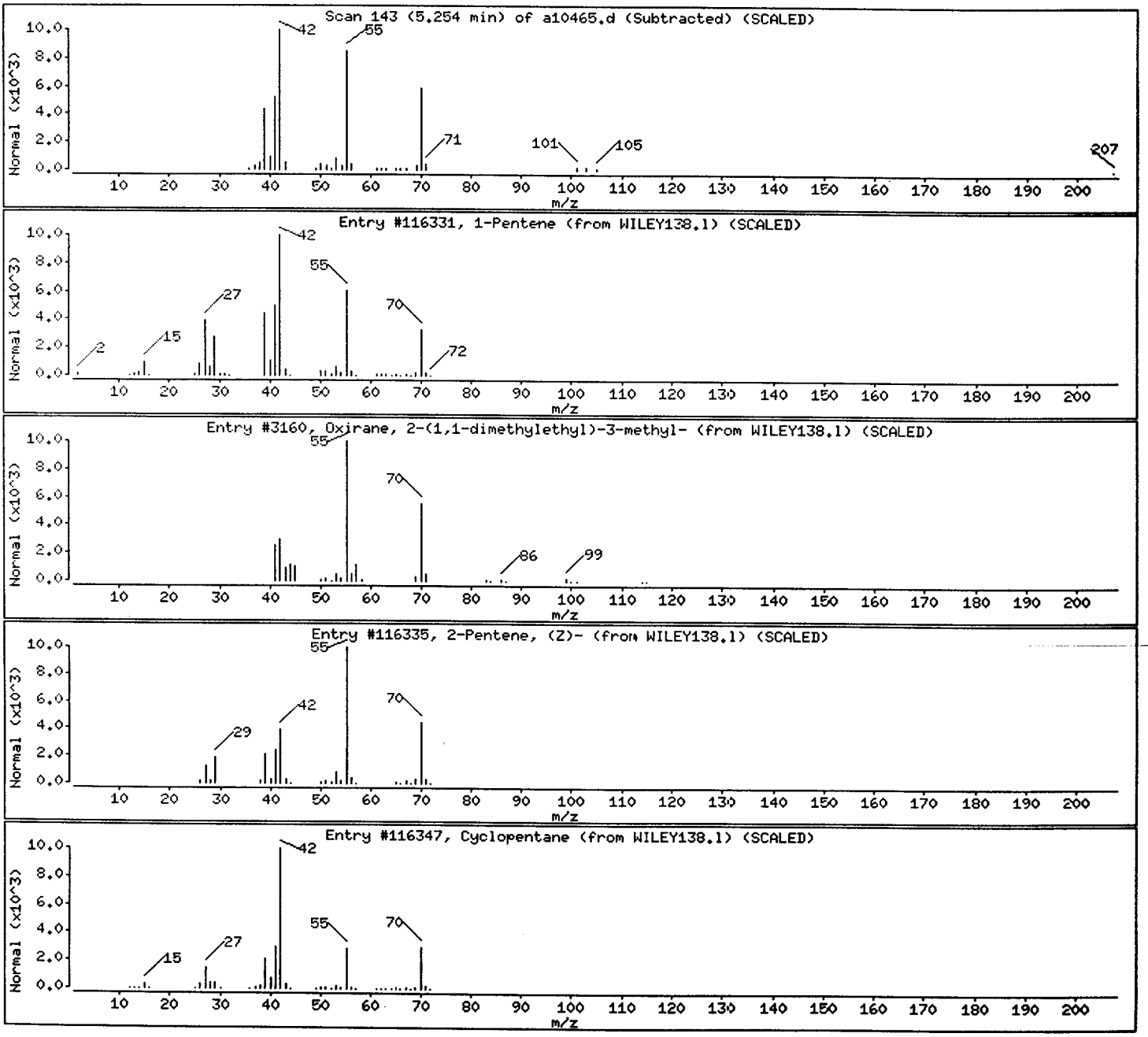
Sample Info: 237817;;;5.14;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C5H10 Alkene						
1-Pentene	109-67-1	WILEY138.l	116331	78	C5H10	70
Oxirane, 2-(1,1-dimethylethyl)-3-methyl-	53897-30-6	WILEY138.l	3160	64	C7H14O	114
2-Pentene, (Z)-	627-20-3	WILEY138.l	116335	59	C5H10	70
Cyclopentane	287-92-3	WILEY138.l	116347	58	C5H10	70



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10465.d

Date : 30-OCT-2000 12:38

Client ID: EB-6_Outfall

Instrument: VOAMS1.i

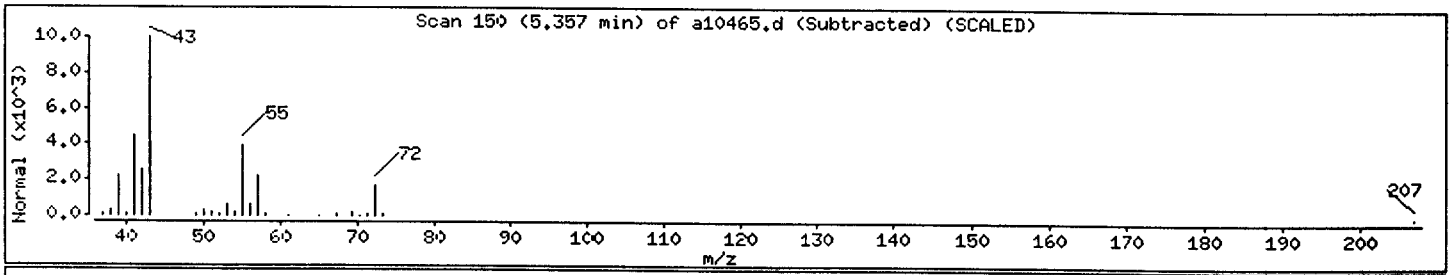
Sample Info: 237817;;;5.14;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Unknown			0	0		0



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10465.d

Date : 30-OCT-2000 12:38

Client ID: EB-6_Outfall

Instrument: VOAMS1.i

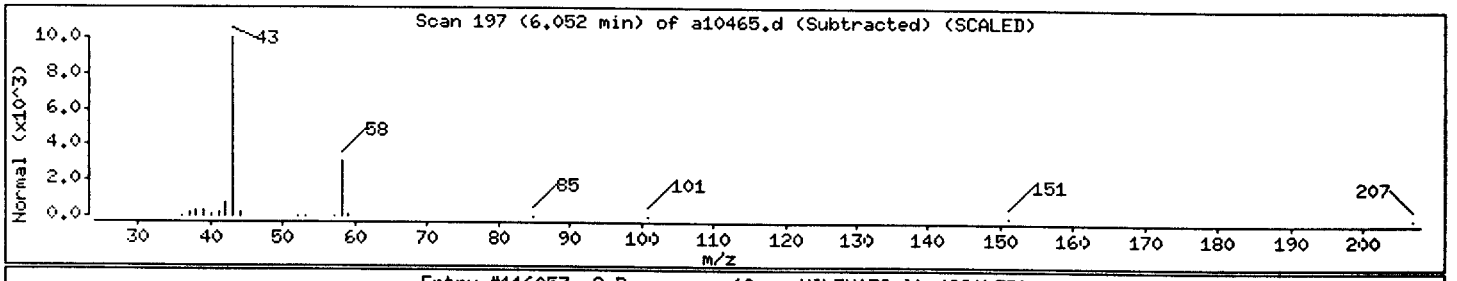
Sample Info: 237817;;;5.14;5

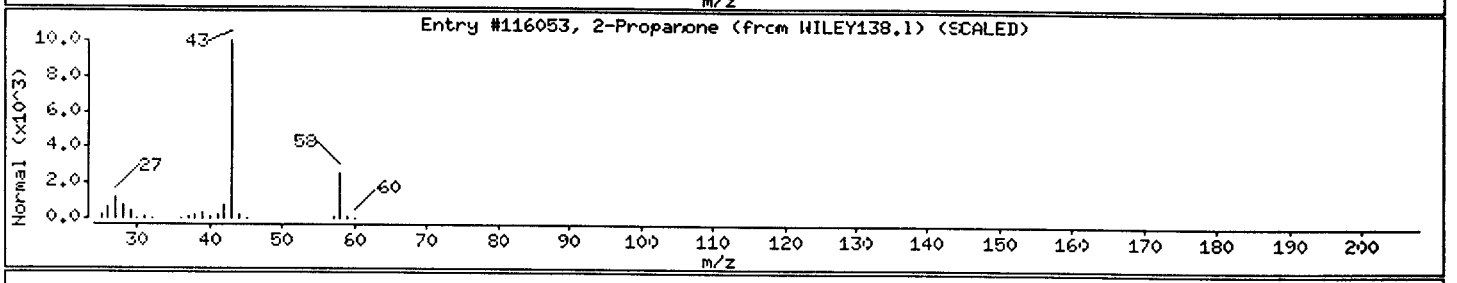
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Propanone	67-64-1	WILEY138.l	116053	72	C3H6O	58
Unknown Ketone			0	0		0





Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10465.d

Date : 30-OCT-2000 12:38

Client ID: EB-6_Outfall

Instrument: VOAMS1.i

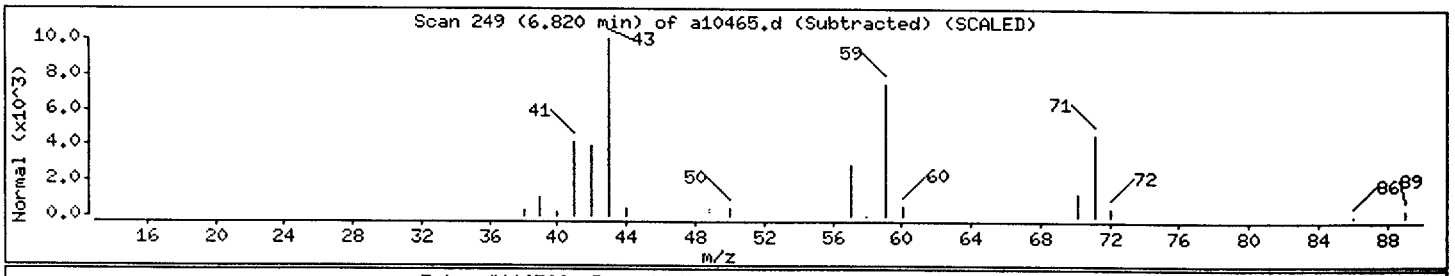
Sample Info: 237817;;;5.14;5

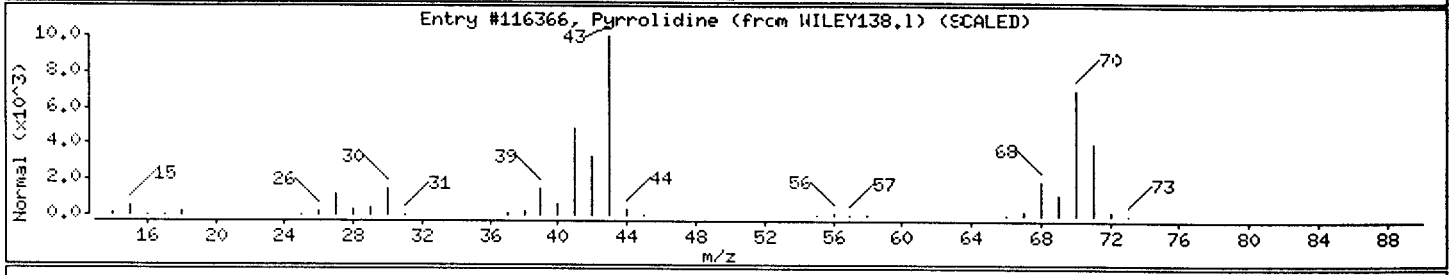
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Pyrrolidine	123-75-1	WILEY138.l	116366	38	C4H9N	71





Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10465.d

Date : 30-OCT-2000 12:38

Client ID: EB-6_Outfall

Instrument: VOAMS1.i

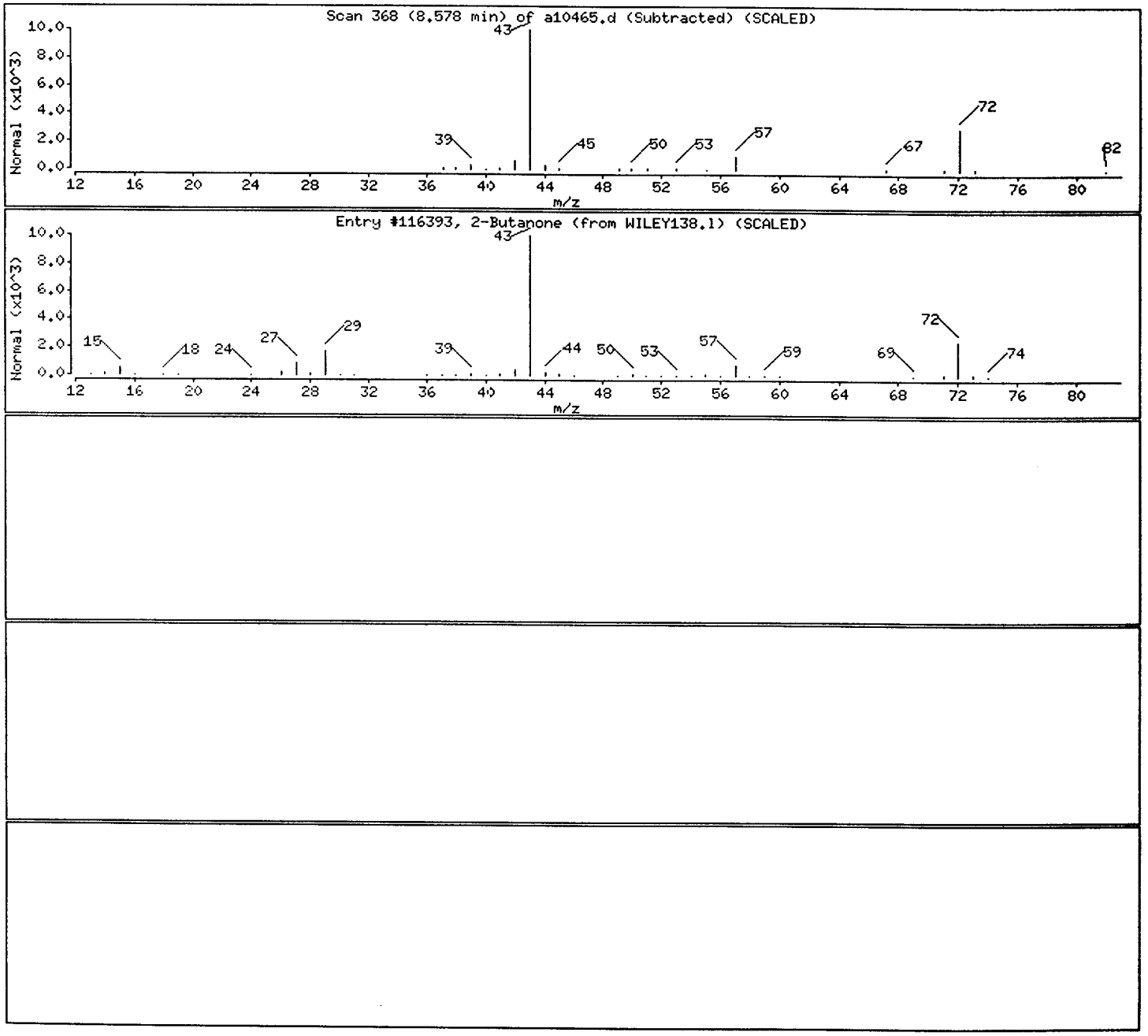
Sample Info: 237817;;;5.14;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Butanone	78-93-3	WILEY138.l	116393	64	C4H8O	72
Unknown Ketone			0	0		0



Client ID: **TPE-1**
Site: Rexam DSI

Lab Sample No: **237818**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10485.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 7

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.3
Bromomethane	ND	5.3
Vinyl Chloride	ND	5.3
Chloroethane	ND	5.3
Methylene Chloride	ND	3.2
Trichlorofluoromethane	ND	5.3
1,1-Dichloroethene	ND	2.1
1,1-Dichloroethane	ND	5.3
trans-1,2-Dichloroethene	ND	5.3
cis-1,2-Dichloroethene	ND	5.3
Chloroform	ND	5.3
1,2-Dichloroethane	ND	2.1
1,1,1-Trichloroethane	ND	5.3
Carbon Tetrachloride	ND	2.1
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.3
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.3
1,1,2-Trichloroethane	ND	3.2
Benzene	4.1	1.0
trans-1,3-Dichloropropene	ND	5.3
2-Chloroethyl Vinyl Ether	ND	5.3
Bromoform	ND	4.2
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	4.6J	5.3
Chlorobenzene	ND	5.3
Ethylbenzene	0.5J	4.2
Xylene (Total)	1.3J	5.3

Client ID: **TPE-1**
Site: Rexam DSI

Lab Sample No: **237818**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10485.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 6.9

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown	3.95	14	
2.	Hexanal	12.95	11	
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION: 25

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00a.b/a10485.d
Report Date: 31-Oct-2000 15:10

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00a.b/a10485.d
Lab Smp Id: 237818 Client Smp ID: TPE-1
Inj Date : 31-OCT-2000 00:40
Operator : VOAMS 8 Inst ID: VOAMS1.i
Smp Info : 237818;;;5.07;5
Misc Info : F104;1914;AT KUB
Comment :
Method : /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00a.b/8260L_00.m
Meth Date : 31-Oct-2000 09:03 ken Quant Type: ISTD
Cal Date : 20-OCT-2000 18:54 Cal File: a10343.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.07000	Weight of sample extracted (g)
M	6.90000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$	16 1,2-Dichloroethane-d4 (SUR)	65	9.686	9.670	(0.956)	1161398	47.8266	51
	28 Benzene	78	9.819	9.789	(0.969)	258816	3.84950	4.1
*	19 Fluorobenzene	96	10.130	10.128	(1.000)	4072571	50.0000	
$	37 Toluene-d8 (SUR)	98	12.065	12.064	(0.877)	2764724	52.9664	56
	38 Toluene	91	12.168	12.138	(0.884)	267472	4.29600	4.6(a)
*	32 Chlorobenzene-d5	117	13.764	13.748	(1.000)	2692595	50.0000	
	40 Ethylbenzene	106	13.897	13.881	(1.010)	12124	0.51245	0.54(a)
M	45 Xylene (Total)	100				34344	1.21142	1.3(a)
$	41 Bromofluorobenzene (SUR)	174	15.049	15.033	(0.924)	1409594	62.0300	66
*	91 1,4-Dichlorobenzene-d4	152	16.290	16.289	(1.000)	1031358	50.0000	
	43 m+p-Xylene	106	14.015	13.999	(1.018)	34344	1.19788	1.3(a)

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00a.b/a10485.d
Report Date: 31-Oct-2000 15:10

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00a.b/a10485.d
Date : 31-OCT-2000 00:40
Client ID: TPE-1
Sample Info: 237818;;;5.07;5

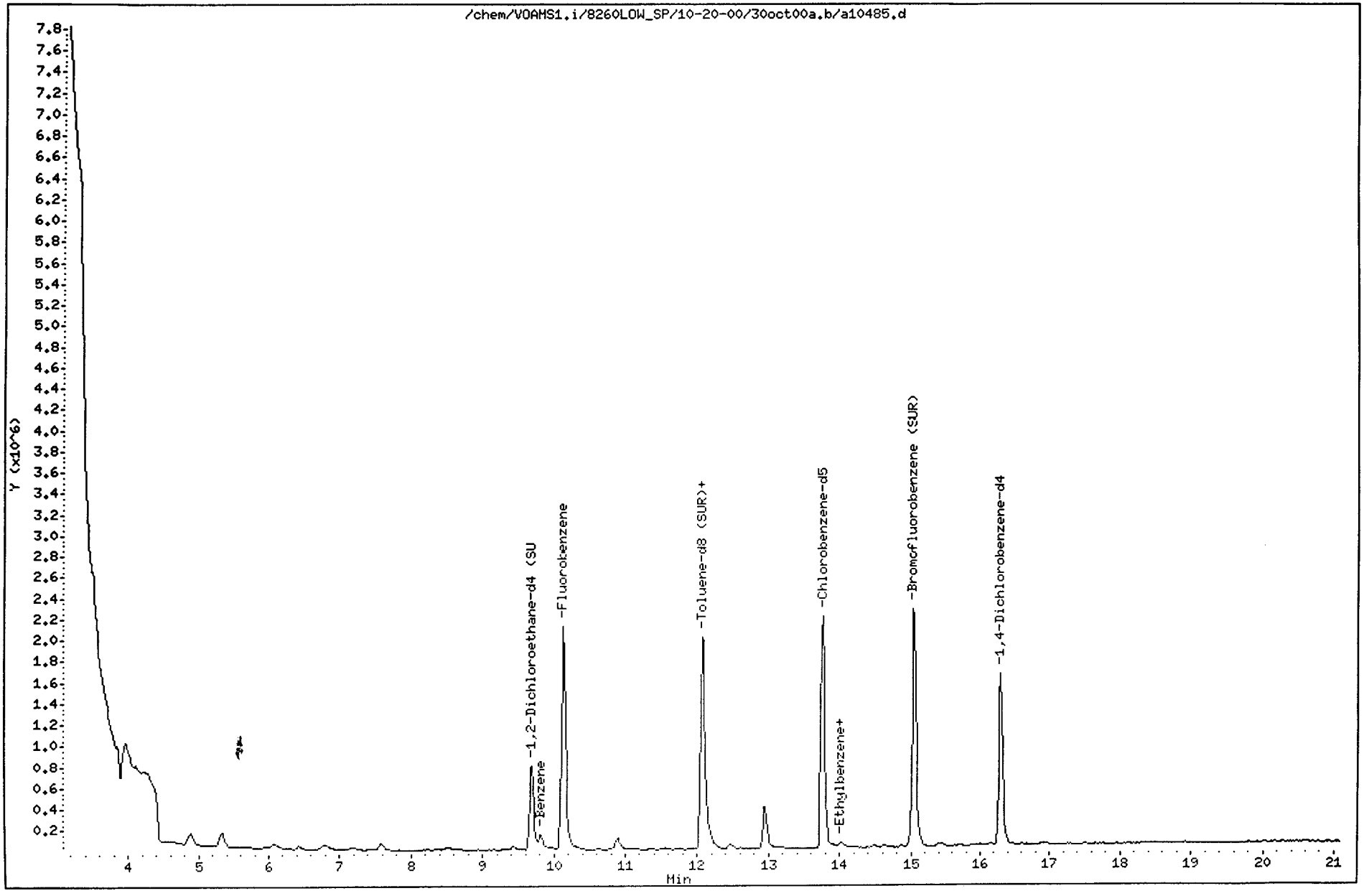
Column phase: DB624

Instrument: VOAMS1.i

Operator: VOAMS 8
Column diameter: 0.53

KUB

225



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00a.b/a10485.d

Date : 31-OCT-2000 00:40

Client ID: TPE-1

Instrument: VOAMS1.i

Sample Info: 237818;;;5.07;5

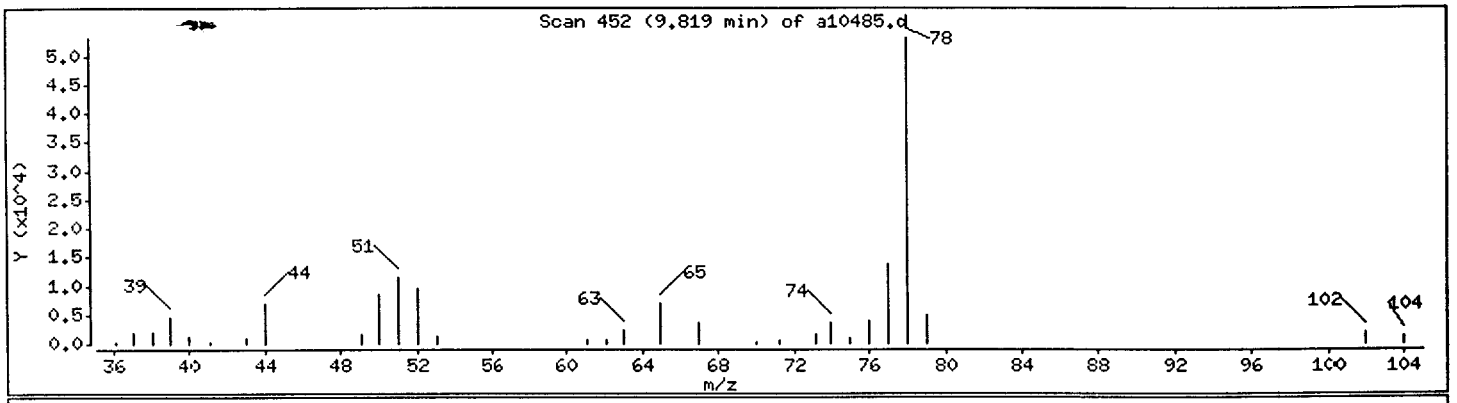
Operator: VOAMS 8

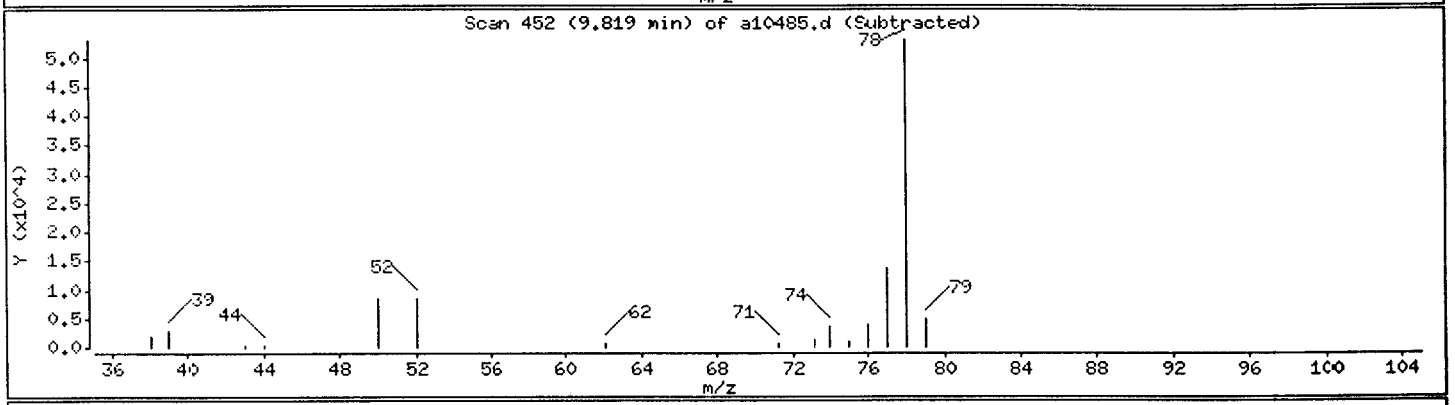
Column phase: DB624

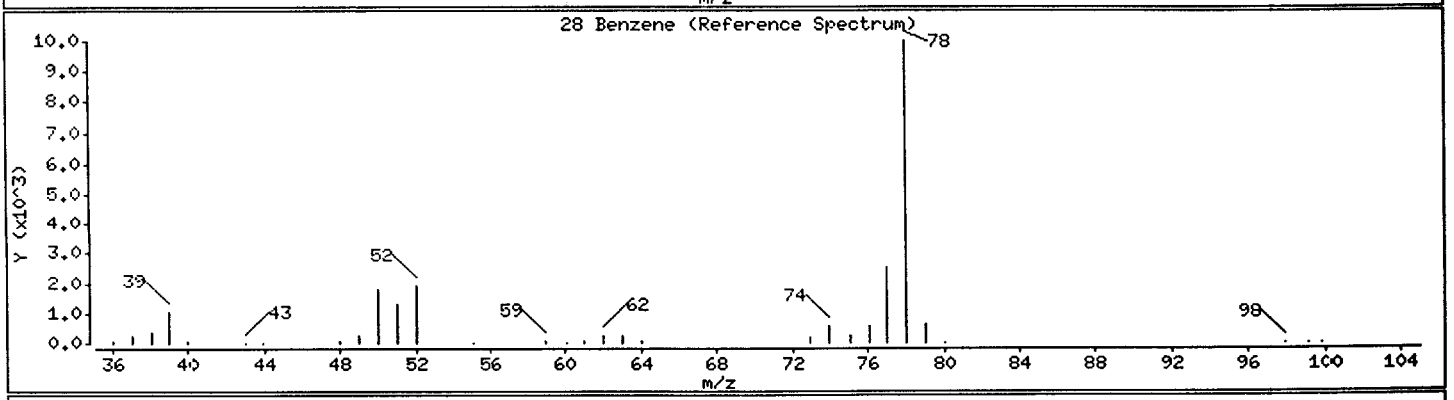
Column diameter: 0.53

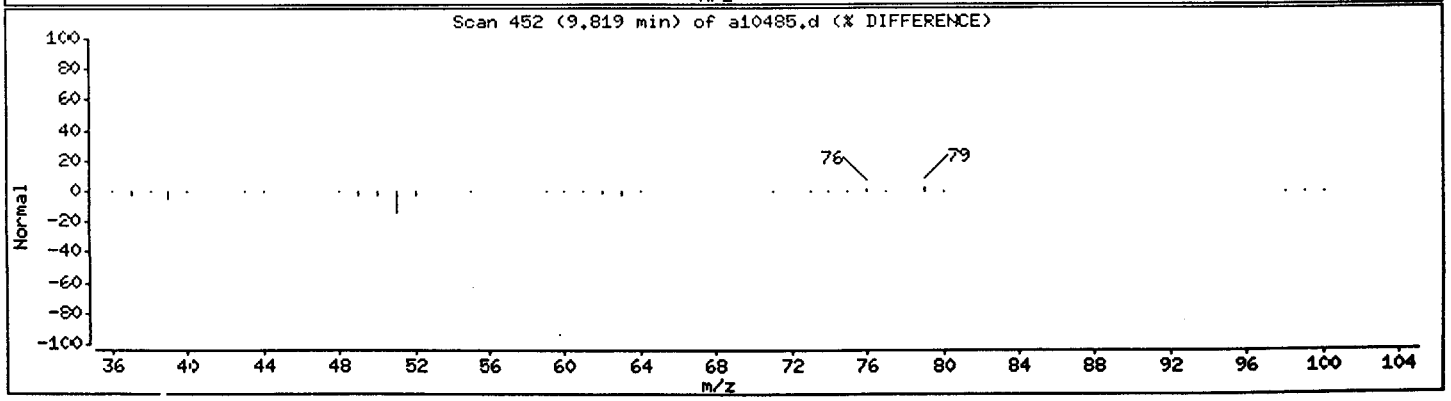
28 Benzene

Concentration: 4.1 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00a.b/a10485.d

Date : 31-OCT-2000 00:40

Client ID: TPE-1

Instrument: VOAMS1.i

Sample Info: 237818;;;5.07;5

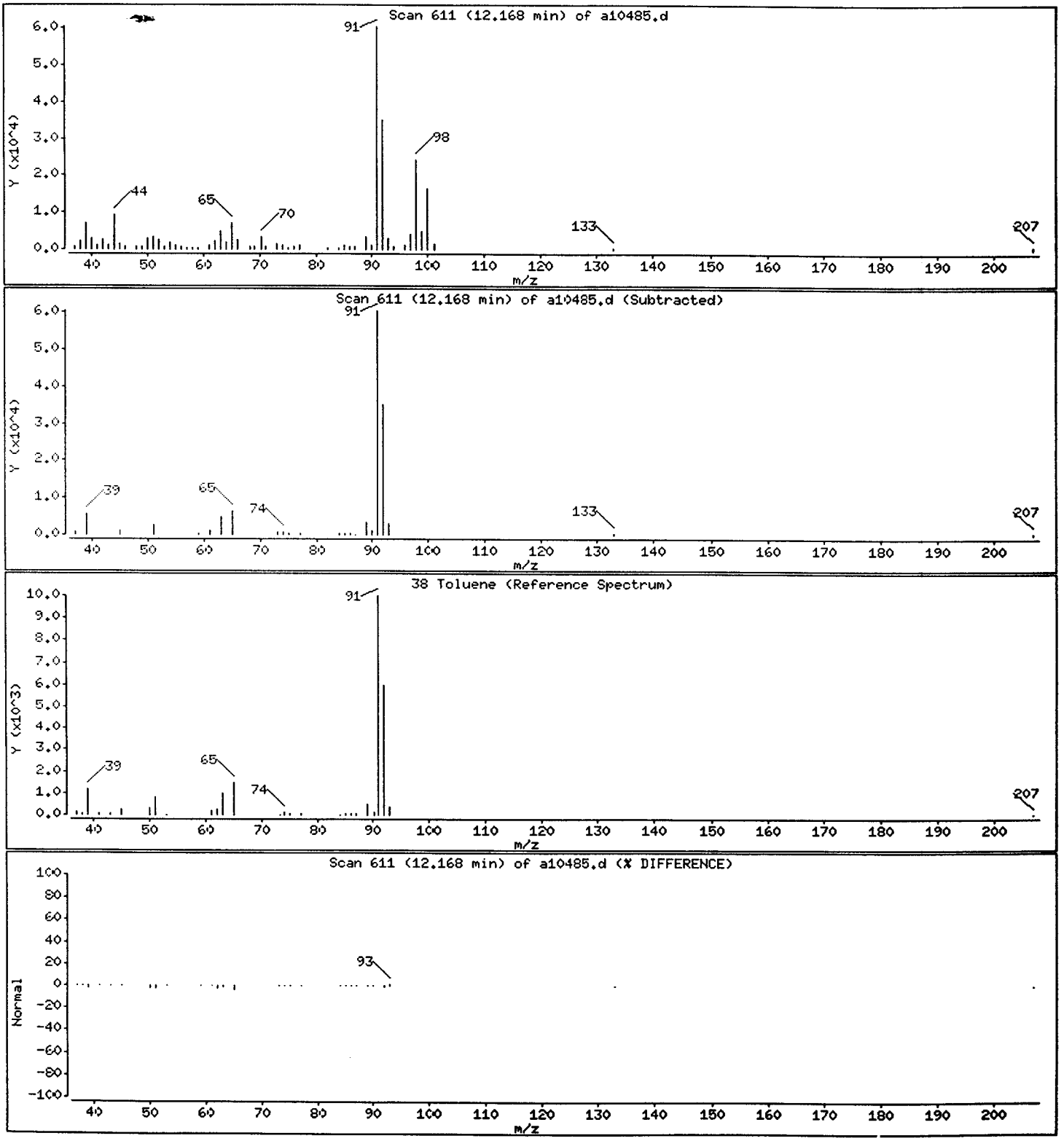
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

38 Toluene

Concentration: 4.6 ug/Kg



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00a.b/a10485.d

Date : 31-OCT-2000 00:40

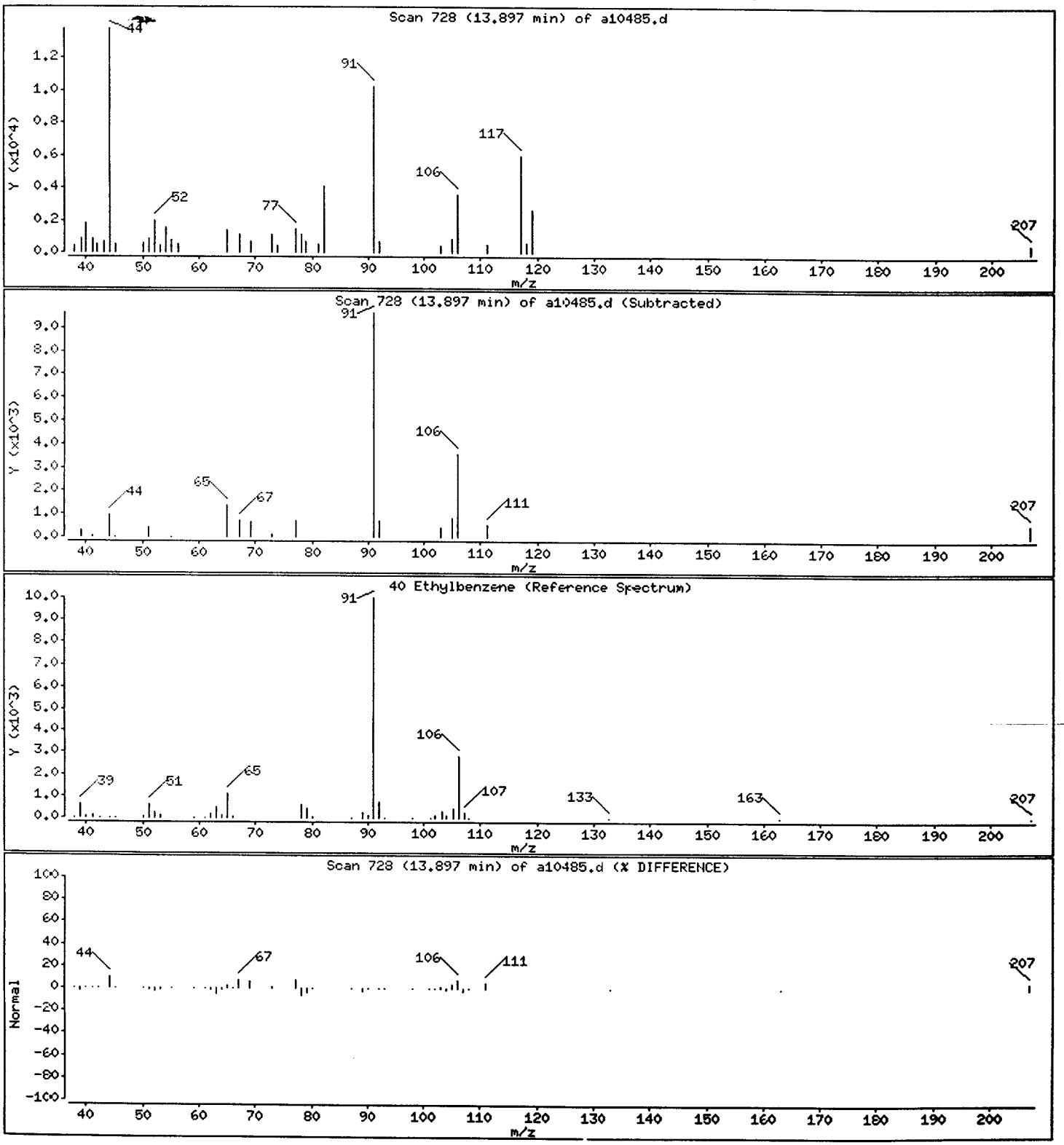
Client ID: TPE-1 Instrument: VOAMS1.i

Sample Info: 237818;;;5.07;5

Operator: VOAMS 8

Column phase: DB624 Column diameter: 0.53

40 Ethylbenzene Concentration: 0.54 ug/Kg



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Date : 31-OCT-2000 00:40

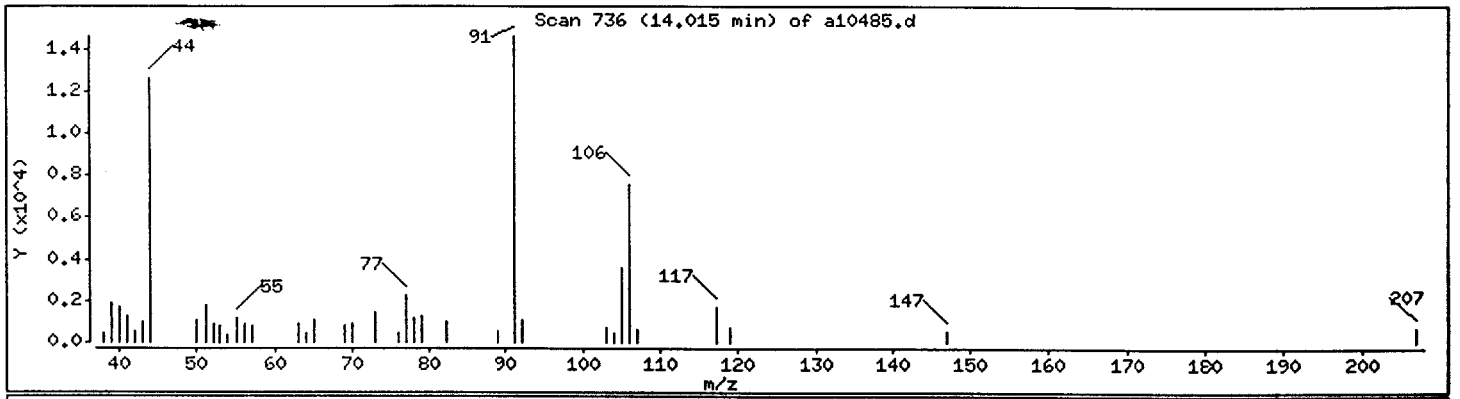
Client ID: TPE-1 Instrument: VOAMS1.i

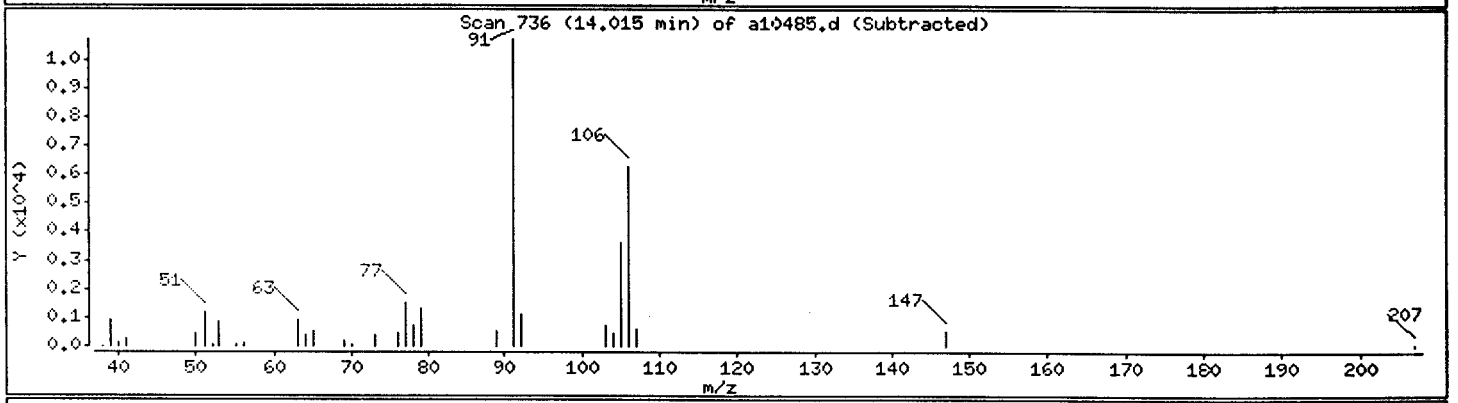
Sample Info: 237818;;;5.07;5

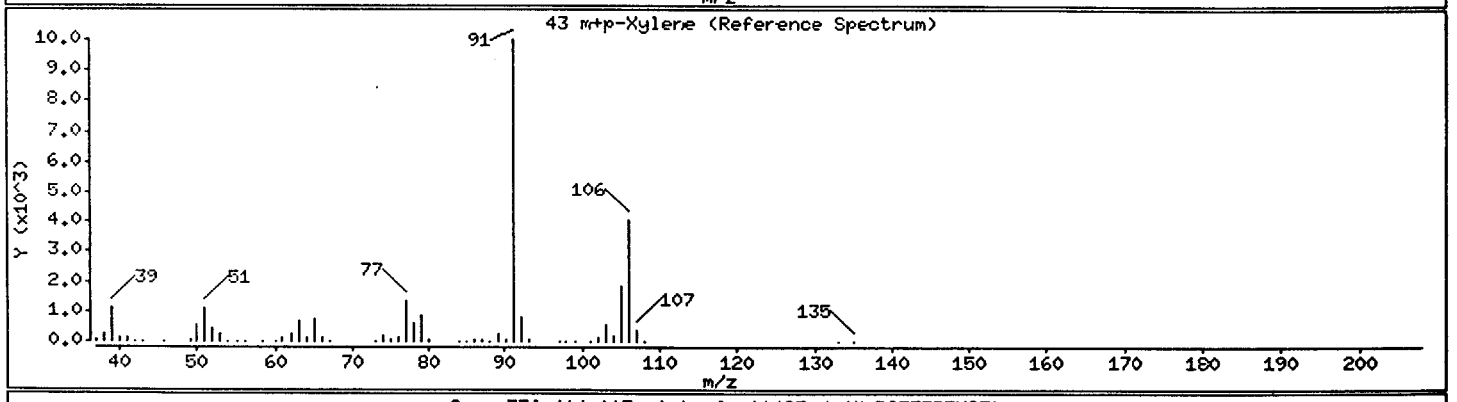
Operator: VOAMS 8

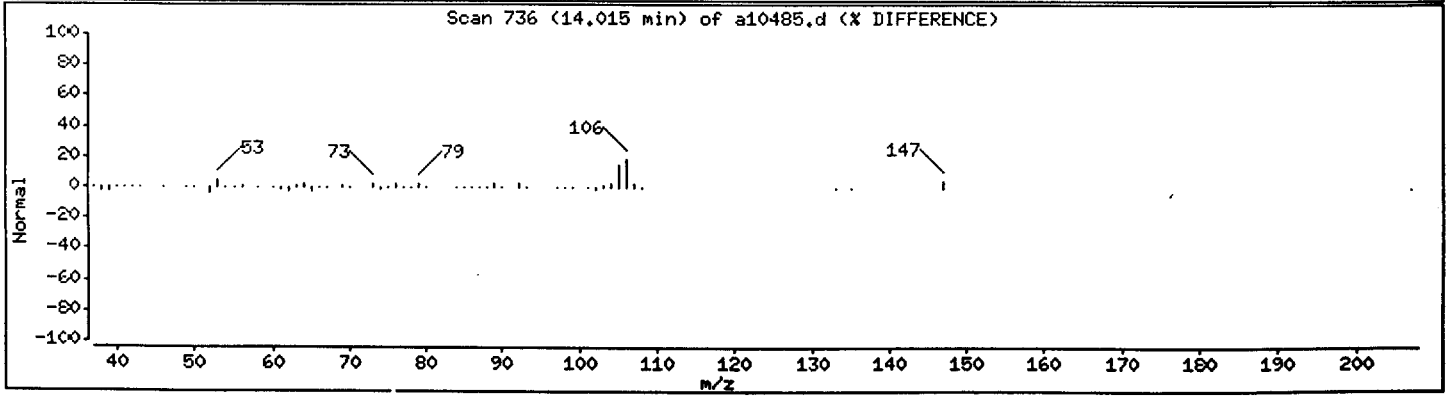
Column phase: DB624 Column diameter: 0.53

43 m+p-Xylene Concentration: 1.3 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00a.b/a10485.d

Date : 31-OCT-2000 00:40

Client ID: TPE-1

Instrument: VOAMS1.i

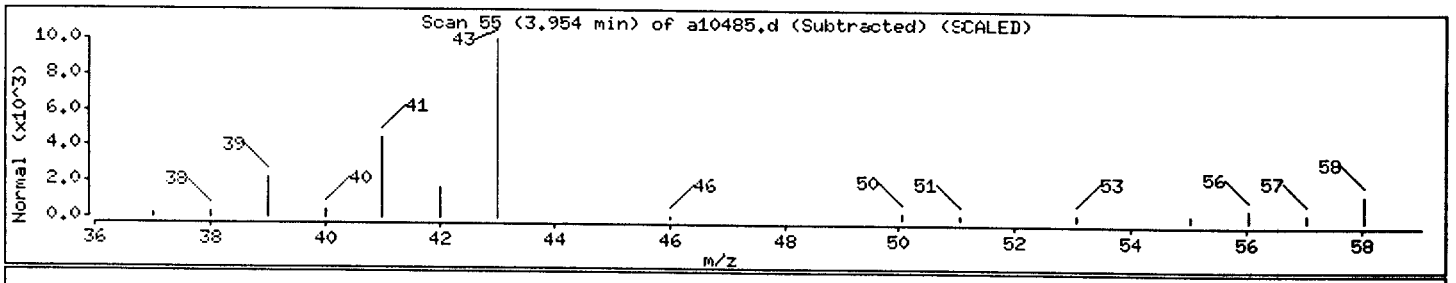
Sample Info: 237818;;;5.07;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00a.b/a10485.d

Date : 31-OCT-2000 00:40

Client ID: TPE-1

Instrument: VOAMS1.i

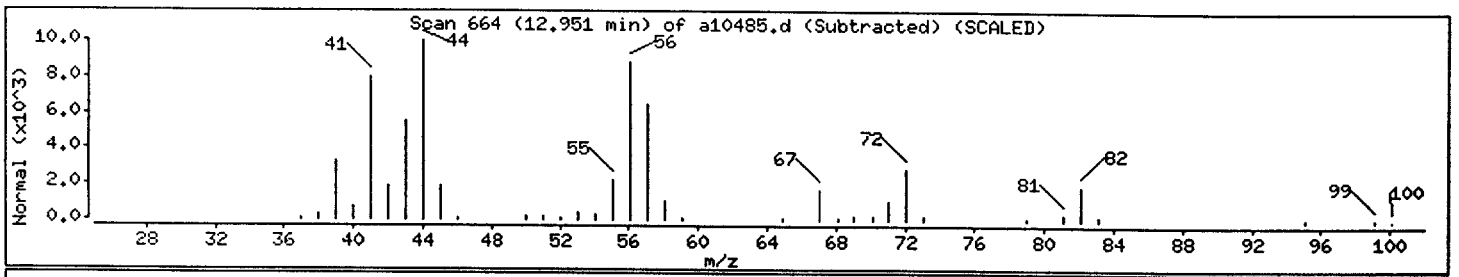
Sample Info: 237818;;;5.07;5

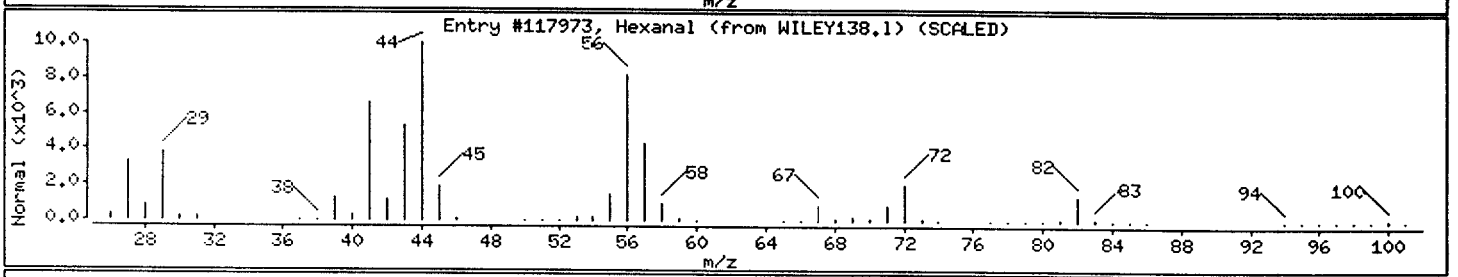
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	WILEY138.l	117973	90	C6H12O	100





Client ID: **TPE-2**
Site: Rexam DSI

Lab Sample No: **237819**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10467.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 28

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	6.7
Bromomethane	ND	6.7
Vinyl Chloride	ND	6.7
Chloroethane	ND	6.7
Methylene Chloride	ND	4.0
Trichlorofluoromethane	1.1J	6.7
1,1-Dichloroethene	ND	2.7
1,1-Dichloroethane	ND	6.7
trans-1,2-Dichloroethene	ND	6.7
cis-1,2-Dichloroethene	ND	6.7
Chloroform	ND	6.7
1,2-Dichloroethane	ND	2.7
1,1,1-Trichloroethane	ND	6.7
Carbon Tetrachloride	ND	2.7
Bromodichloromethane	ND	1.3
1,2-Dichloropropane	ND	1.3
cis-1,3-Dichloropropene	ND	6.7
Trichloroethene	ND	1.3
Dibromochloromethane	ND	6.7
1,1,2-Trichloroethane	ND	4.0
Benzene	ND	1.3
trans-1,3-Dichloropropene	ND	6.7
2-Chloroethyl Vinyl Ether	ND	6.7
Bromoform	ND	5.4
Tetrachloroethene	ND	1.3
1,1,2,2-Tetrachloroethane	ND	1.3
Toluene	1.3J	6.7
Chlorobenzene	ND	6.7
Ethylbenzene	ND	5.4
Xylene (Total)	ND	6.7

Client ID: **TPE-2**
Site: Rexam DSI

Lab Sample No: **237819**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10467.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.1 g
Purge Volume: 5.0 ml
% Moisture: 27.7

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10467.d
Report Date: 31-Oct-2000 15:09

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10467.d
Lab Smp Id: 237819 Client Smp ID: TPE-2
Inj Date : 30-OCT-2000 13:40
Operator : VOAMS 8 Inst ID: VOAMS1.i
Smp Info : 237819;;;5.14;5
Misc Info : F104;1914;AT KUB
Comment :
Method : /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/8260L_00.m
Meth Date : 30-Oct-2000 08:34 audberto Quant Type: ISTD
Cal Date : 20-OCT-2000 18:54 Cal File: a10343.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.14000	Weight of sample extracted (g)
M	27.70000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	9 Trichlorofluoromethane	101	5.242	5.194	(0.516)	32415	0.84537	1.1(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	9.704	9.671	(0.955)	1113169	64.9680	87
*	19 Fluorobenzene	96	10.162	10.129	(1.000)	2873549	50.0000	
$	37 Toluene-d8 (SUR)	98	12.097	12.064	(0.878)	2010236	80.4296	110(R)
	38 Toluene	91	12.186	12.153	(0.884)	29241	0.98084	1.3(a)
*	32 Chlorobenzene-d5	117	13.781	13.763	(1.000)	1289291	50.0000	
$	41 Bromofluorobenzene (SUR)	174	15.066	15.048	(0.923)	489151	84.7259	110(R)
*	91 1,4-Dichlorobenzene-d4	152	16.322	16.289	(1.000)	262026	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

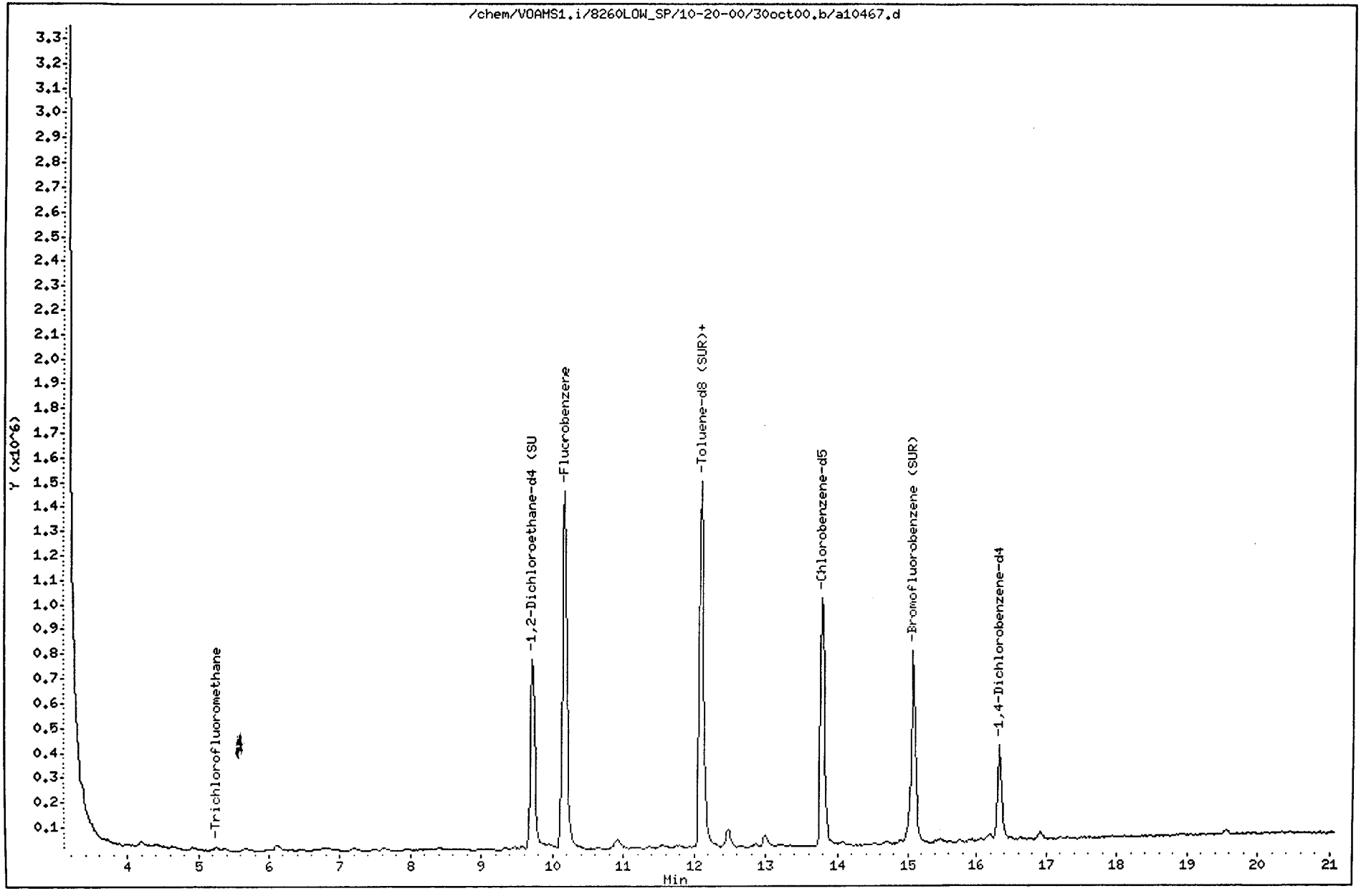
Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10467.d
Date : 30-OCT-2000 13:40
Client ID: TPE-2
Sample Info: 237819;;;5.14;5

Column phase: DB624

Instrument: VOAMS1.i

Operator: VOAMS 8
Column diameter: 0.53

KVB



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10467.d

Date : 30-OCT-2000 13:40

Client ID: TPE-2

Instrument: VOAMS1.i

Sample Info: 237819;;;5.14;5

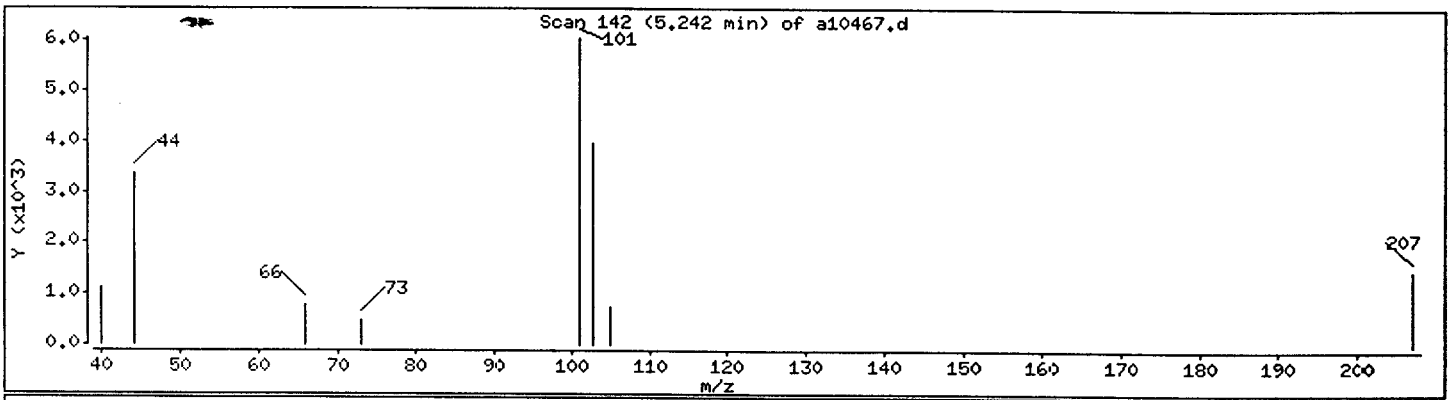
Operator: VOAMS 8

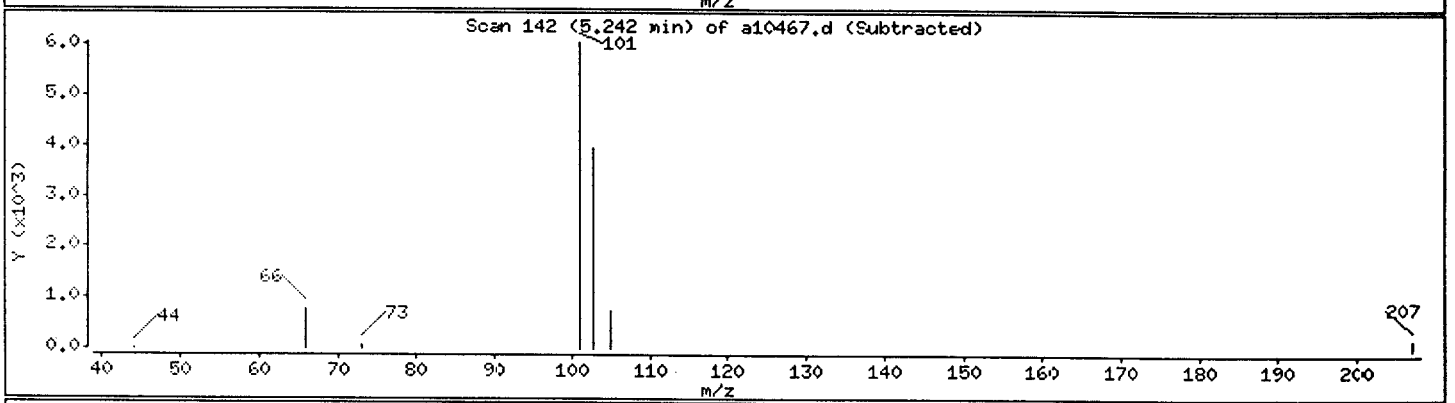
Column phase: DB624

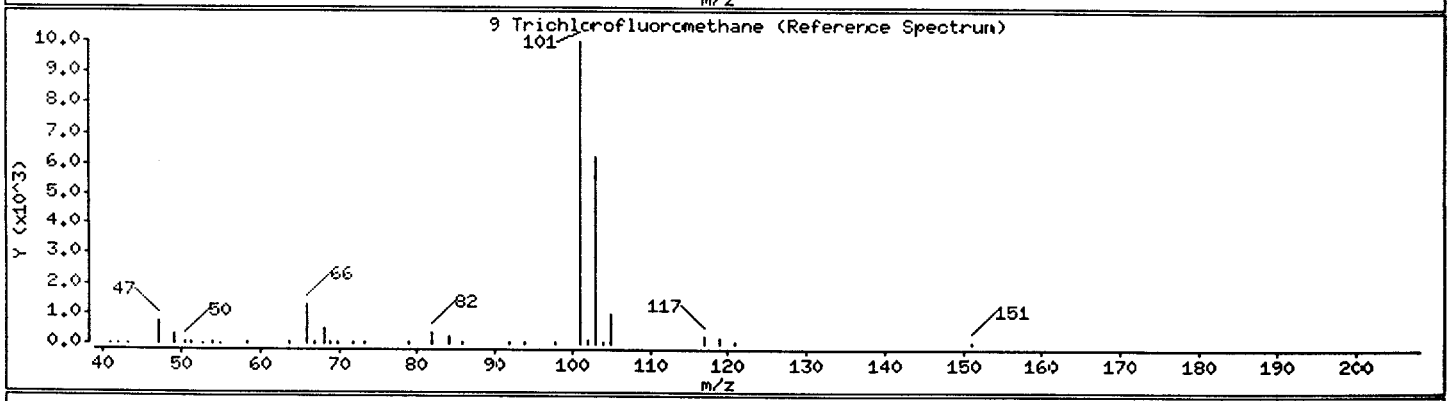
Column diameter: 0.53

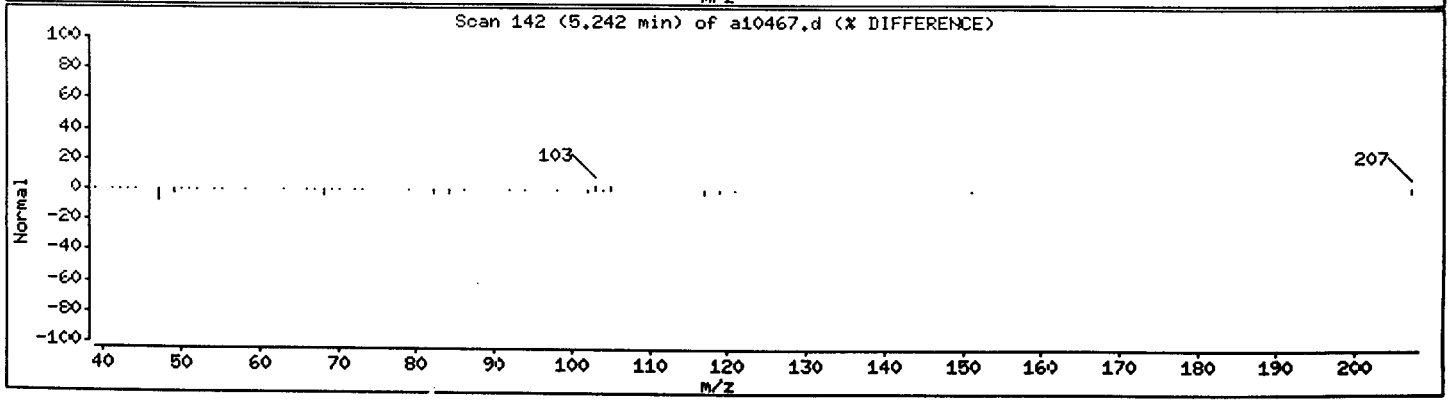
9 Trichloroflucromethane

Concentration: 1.1 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10467.d

Date : 30-OCT-2000 13:40

Client ID: TPE-2

Instrument: VOAMS1.i

Sample Info: 237819;;;5.14;5

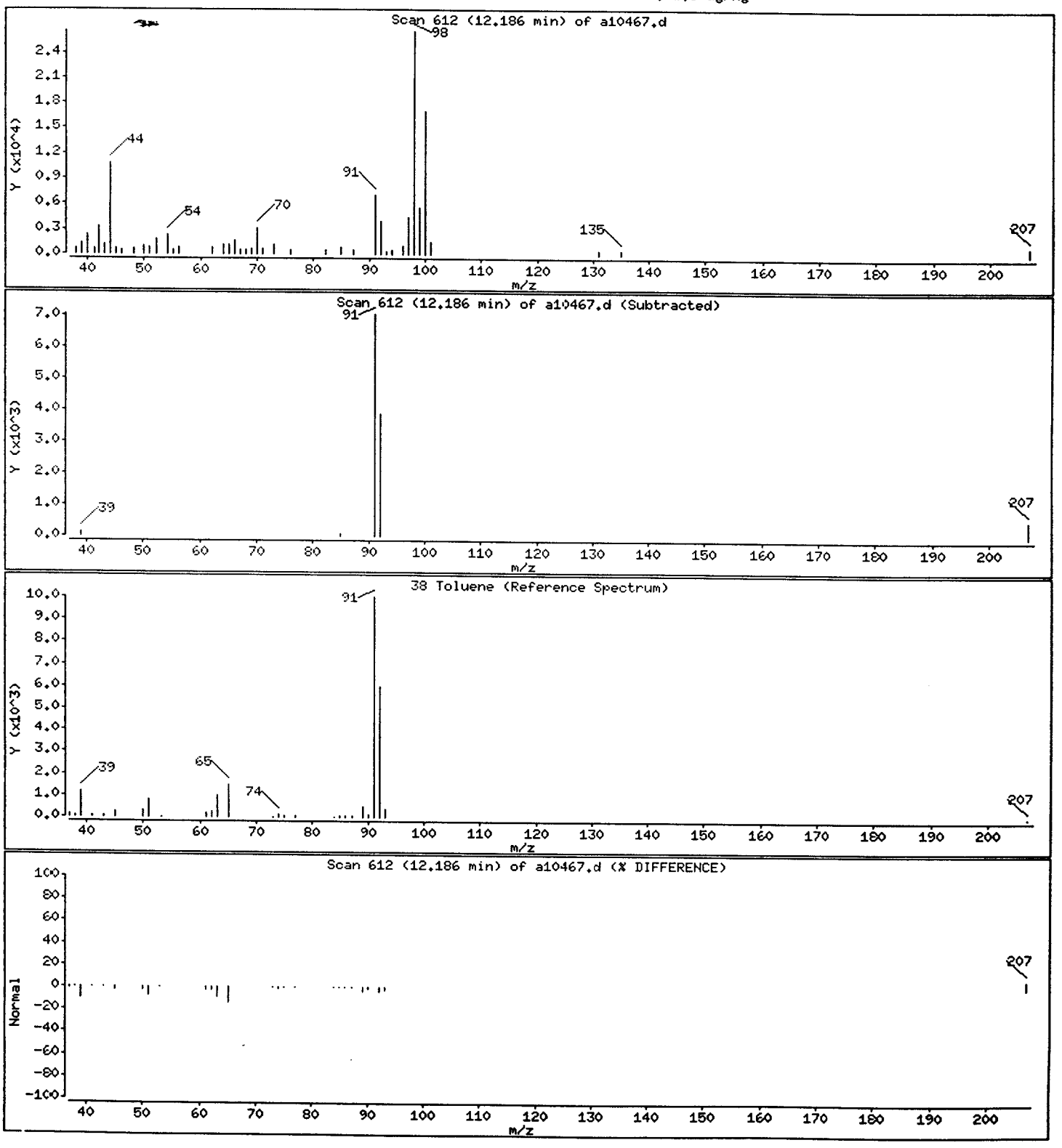
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

38 Toluene

Concentration: 1.3 ug/Kg



Client ID: **TPE-3**
Site: Rexam DSI

Lab Sample No: **237820**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10468.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.6 g
Purge Volume: 5.0 ml
% Moisture: 4

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.7
Bromomethane	ND	4.7
Vinyl Chloride	ND	4.7
Chloroethane	ND	4.7
Methylene Chloride	ND	2.8
Trichlorofluoromethane	ND	4.7
1,1-Dichloroethene	ND	1.9
1,1-Dichloroethane	ND	4.7
trans-1,2-Dichloroethene	ND	4.7
cis-1,2-Dichloroethene	ND	4.7
Chloroform	ND	4.7
1,2-Dichloroethane	ND	1.9
1,1,1-Trichloroethane	ND	4.7
Carbon Tetrachloride	ND	1.9
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.7
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.7
1,1,2-Trichloroethane	ND	2.8
Benzene	0.6J	0.9
trans-1,3-Dichloropropene	ND	4.7
2-Chloroethyl Vinyl Ether	ND	4.7
Bromoform	ND	3.7
Tetrachloroethene	ND	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	1.3J	4.7
Chlorobenzene	ND	4.7
Ethylbenzene	ND	3.7
Xylene (Total)	0.6J	4.7

Client ID: **TPE-3**
Site: Rexam DSI

Lab Sample No: **237820**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10468.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.6 g
Purge Volume: 5.0 ml
% Moisture: 4.2

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
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22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10468.d
Report Date: 31-Oct-2000 15:09

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10468.d
Lab Smp Id: 237820 Client Smp ID: TPE-3
Inj Date : 30-OCT-2000 14:12
Operator : VOAMS 8 Inst ID: VOAMS1.i
Smp Info : 237820;;;5.59;5
Misc Info : F104;1914;AT
Comment :
Method : /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/8260L_00.m
Meth Date : 30-Oct-2000 08:34 audberto Quant Type: ISTD
Cal Date : 20-OCT-2000 18:54 Cal File: a10343.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOA.sub
Target Version: 3.50

KLB

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.59000	Weight of sample extracted (g)
M	4.20000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$	16 1,2-Dichloroethane-d4 (SUR)	65	9.686	9.671	(0.956)	1637354	50.6332	47
	28 Benzene	78	9.834	9.789	(0.971)	58629	0.65483	0.61(a)
*	19 Fluorobenzene	96	10.129	10.129	(1.000)	5423306	50.0000	
$	37 Toluene-d8 (SUR)	98	12.064	12.064	(0.877)	3880502	53.1301	50
	38 Toluene	91	12.168	12.153	(0.884)	117716	1.35122	1.3(a)
*	32 Chlorobenzene-d5	117	13.763	13.763	(1.000)	3767623	50.0000	
M	45 Xylene (Total)	100				26258	0.66192	0.62(a)
$	41 Bromofluorobenzene (SUR)	174	15.034	15.048	(0.923)	2289981	57.3479	54
*	91 1,4-Dichlorobenzene-d4	152	16.290	16.289	(1.000)	1812308	50.0000	
	43 m+p-Xylene	106	14.029	13.999	(1.019)	26258	0.65453	0.61(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

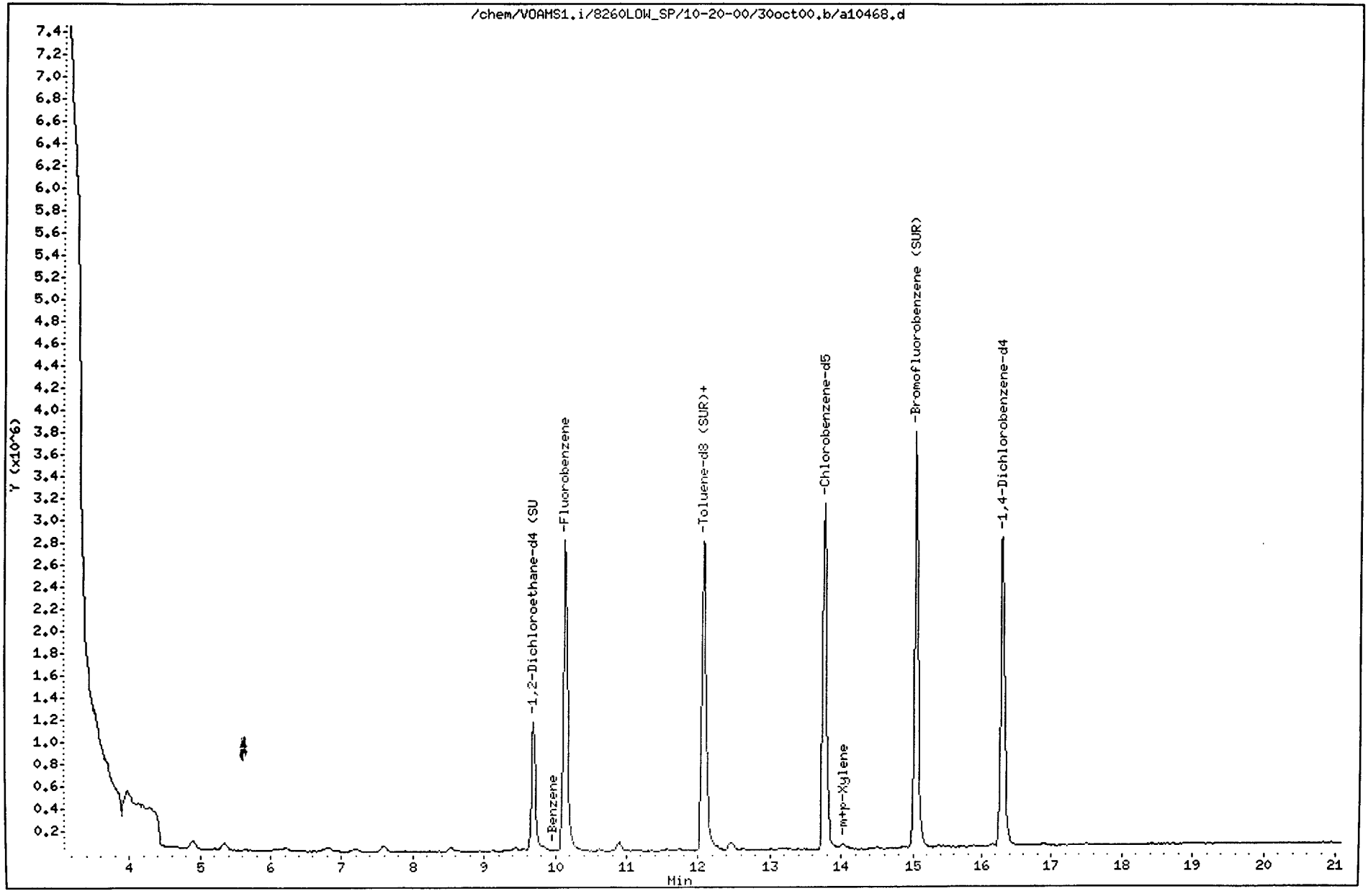
Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10468.d
Date : 30-OCT-2000 14:12
Client ID: TPE-3
Sample Info: 237820;;;5.59;5

Column phase: DB624

Instrument: VOAMS1.i

Operator: VOAMS 8
Column diameter: 0.53

K1D



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10468.d

Date : 30-OCT-2000 14:12

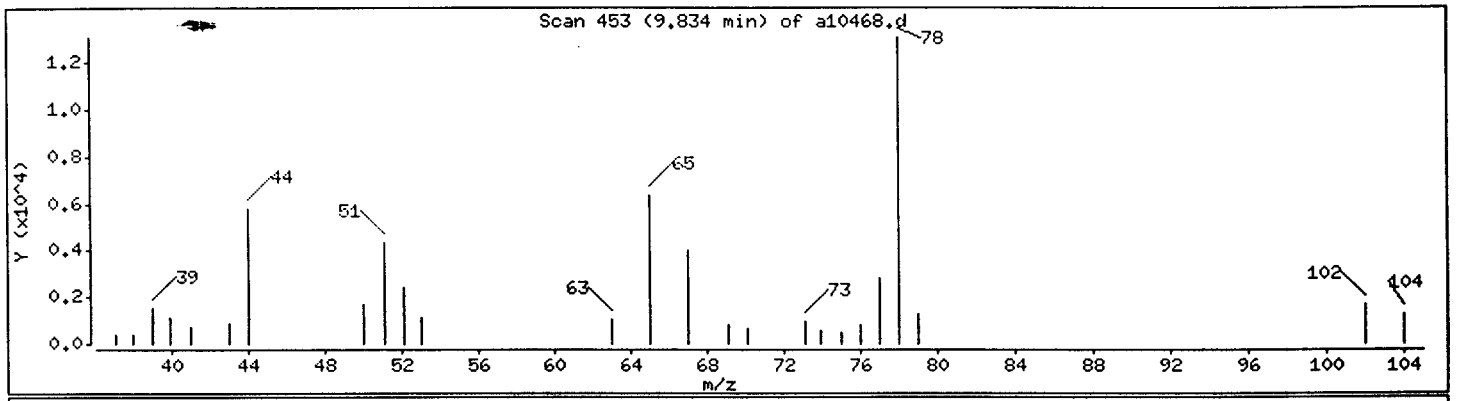
Client ID: TPE-3 Instrument: VOAMS1.i

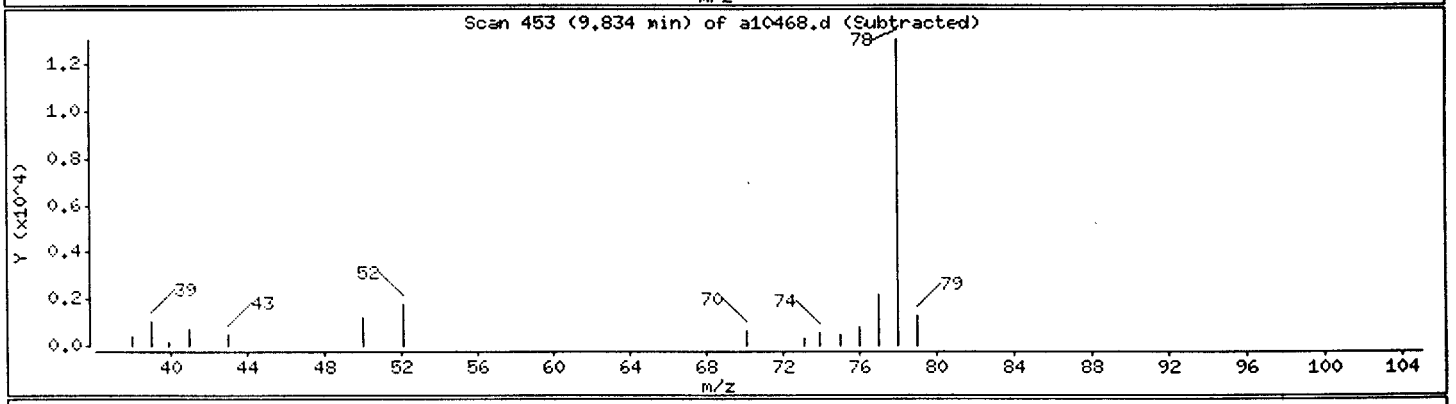
Sample Info: 237820;;;5.59;5

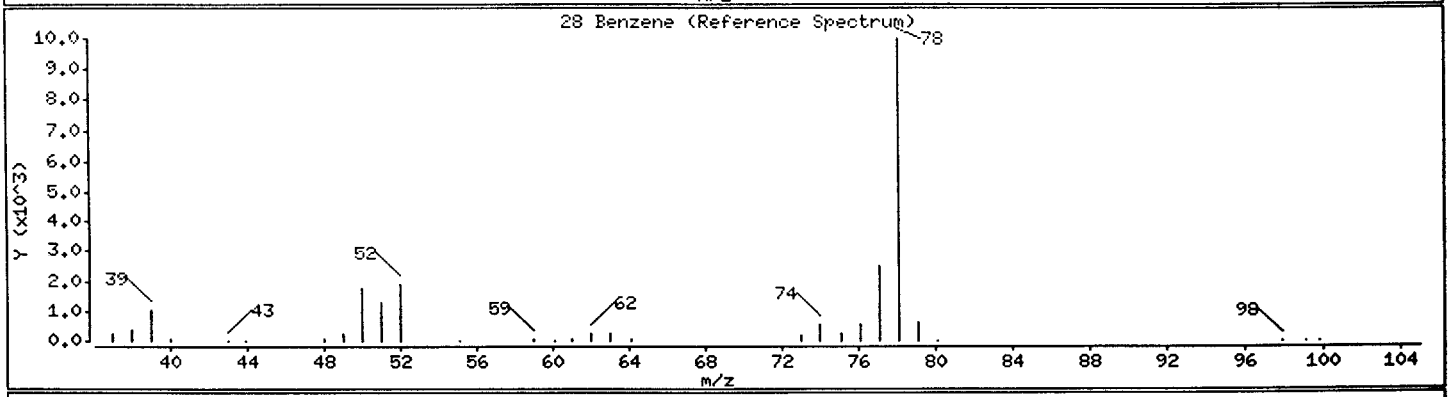
Operator: VOAMS 8

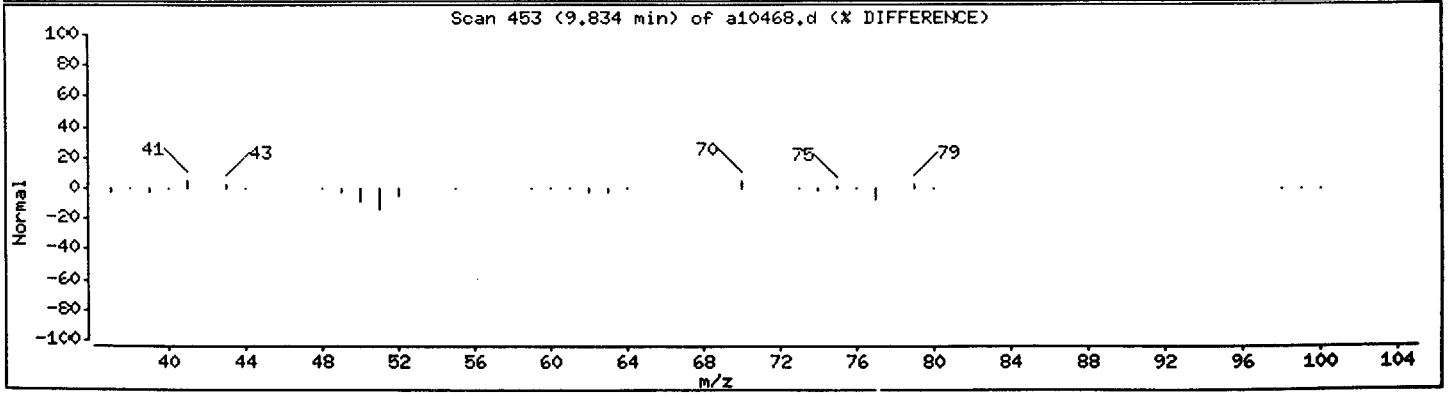
Column phase: DB624 Column diameter: 0.53

28 Benzene Concentration: 0.61 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10468.d

Date : 30-OCT-2000 14:12

Client ID: TPE-3

Instrument: VOAMS1.i

Sample Info: 237820;;;5.59;5

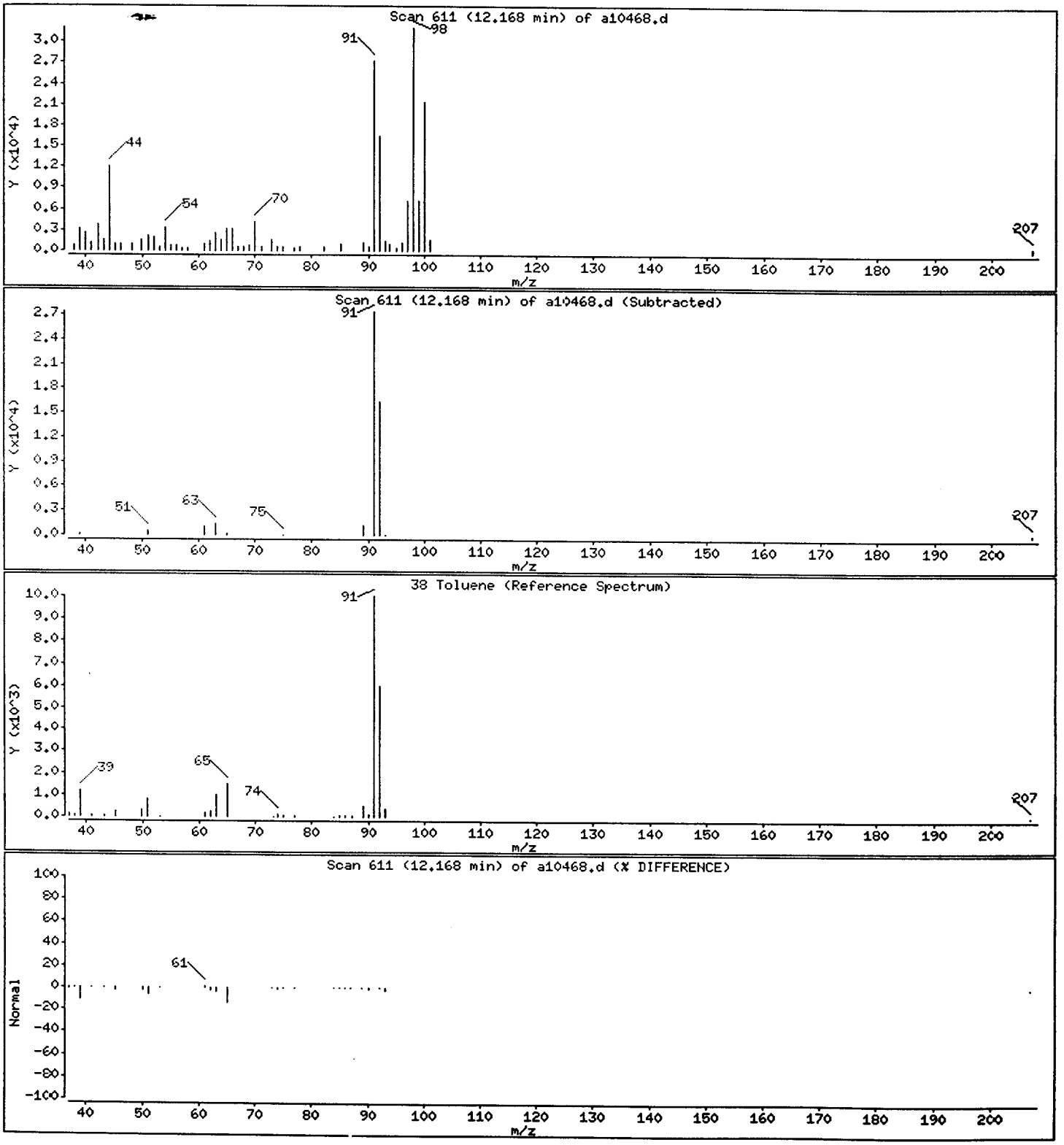
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

38 Toluene

Concentration: 1.3 ug/Kg



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Date : 30-OCT-2000 14:12

Client ID: TPE-3

Instrument: VOAMS1.i

Sample Info: 237820;;;5.59;5

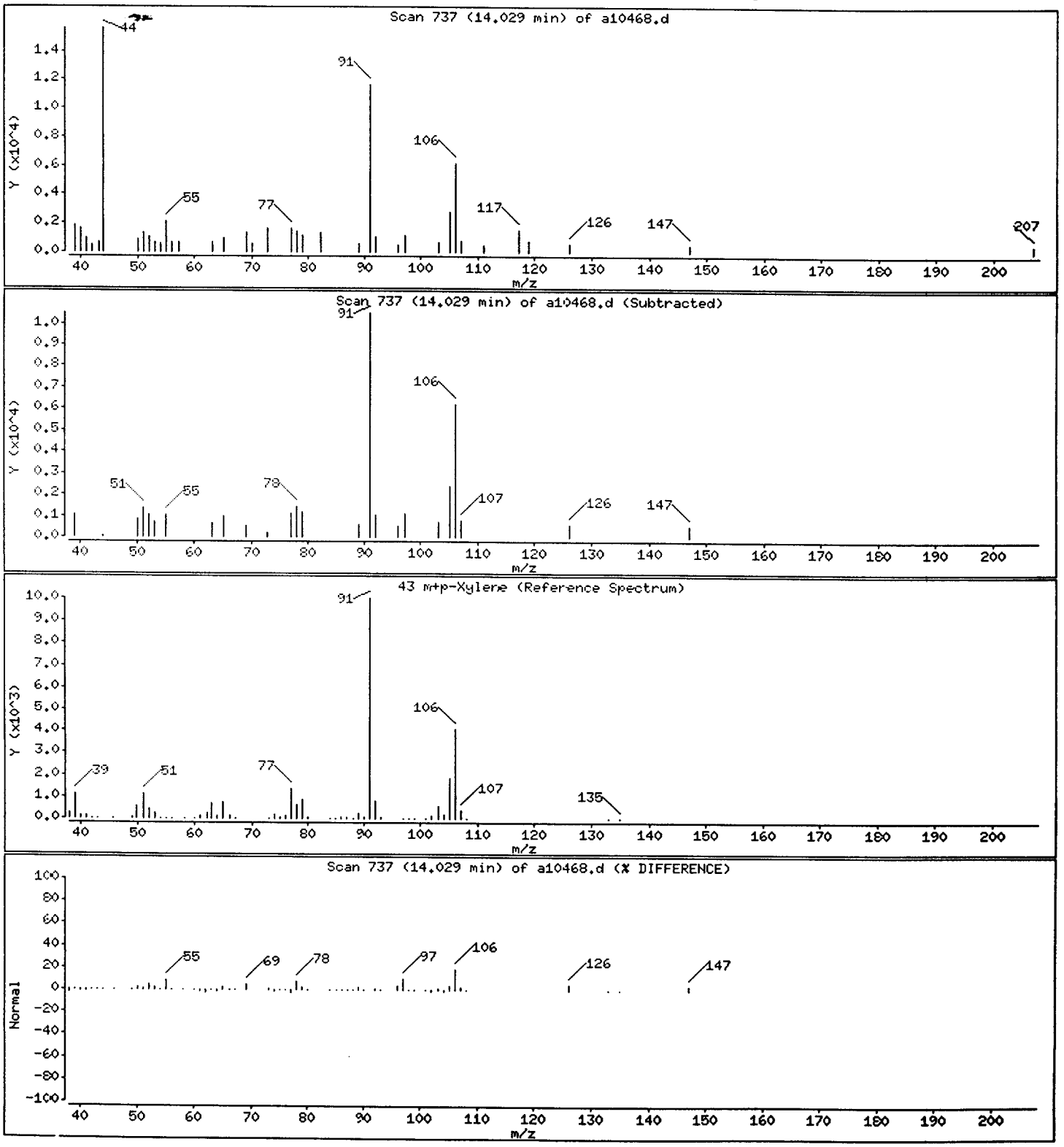
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

43 m+p-Xylene

Concentration: 0.61 ug/Kg



Client ID: **MW-1**
Site: Rexam DSI

Lab Sample No: **237821**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22790.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.5
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.6
Chloroethane	ND	0.4
Methylene Chloride	ND	0.8
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.4
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.1
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.1
Tetrachloroethene	ND	0.3
1,1,2,2-Tetrachloroethane	ND	0.1
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.3
Xylene (Total)	ND	0.3

Client ID: **MW-1**
Site: Rexam DSI

Lab Sample No: **237821**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22790.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22790.d
Report Date: 31-Oct-2000 09:50

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22790.d
Lab Smp Id: 237821 Client Smp ID: MW-1
Inj Date : 30-OCT-2000 21:59
Operator : VOAMS 6 Inst ID: VOAMS7.i
Smp Info : 237821
Misc Info : F104;3599;;MR
Comment :
Method : /chem/VOAMS7.i/624/10-24-00/30oct00.b/624_00.m
Meth Date : 30-Oct-2000 11:07 riaz Quant Type: ISTD
Cal Date : 24-OCT-2000 16:39 Cal File: v22496.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

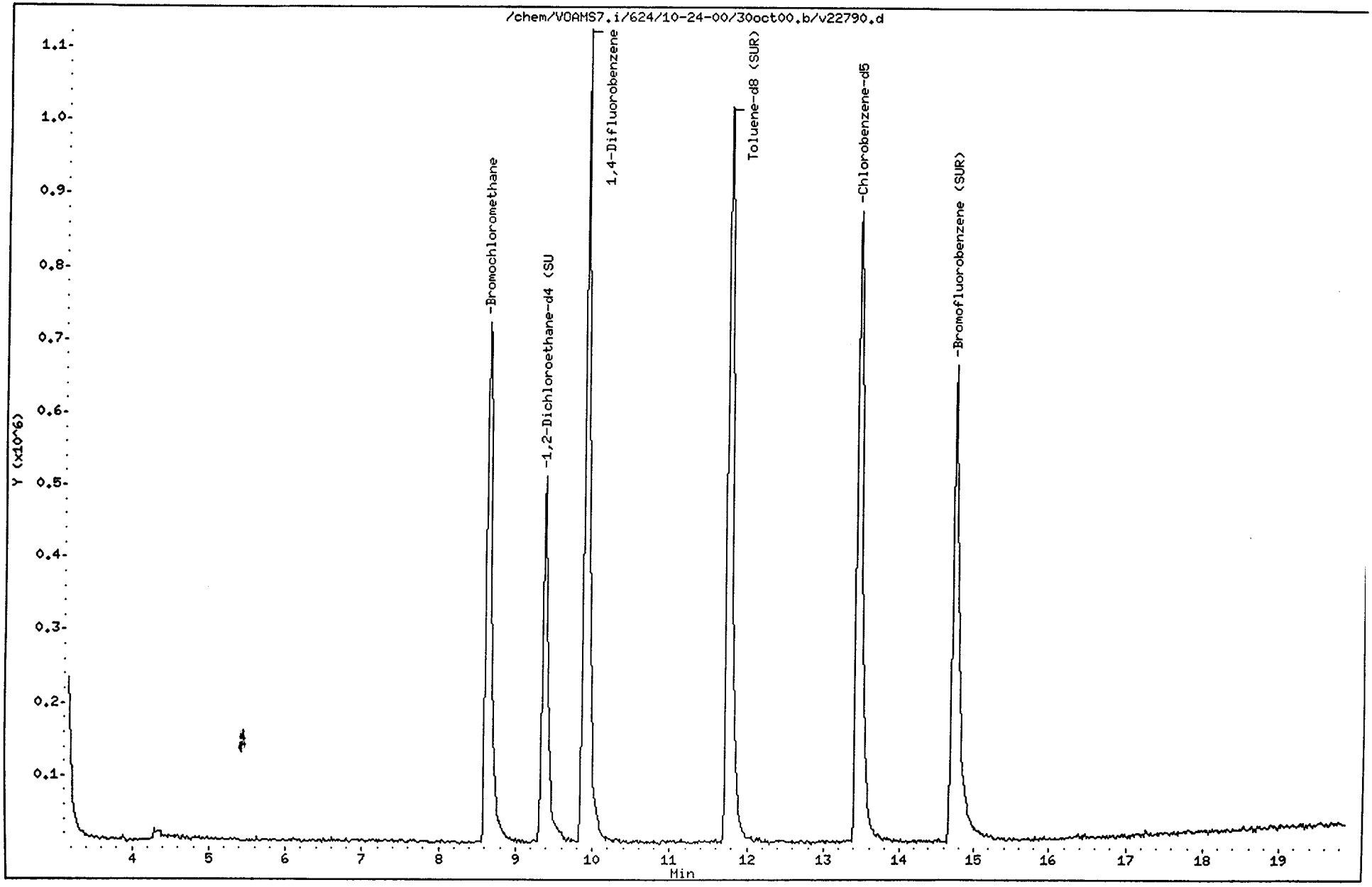
Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 2 Bromochloromethane	128	8.643	8.615	(1.000)	487281	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	9.369	9.356	(0.946)	118024	28.2161	28
* 19 1,4-Difluorobenzene	114	9.903	9.890	(1.000)	1961341	30.0000	
$ 37 Toluene-d8 (SUR)	98	11.757	11.743	(0.874)	1690685	32.8116	33
* 32 Chlorobenzene-d5	117	13.447	13.434	(1.000)	1299676	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	14.722	14.709	(1.095)	594044	27.1854	27

Data File: /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22790.d
Date : 30-OCT-2000 21:59
Client ID: MW-1
Sample Info: 237821
Purge Volume: 5.0
Column phase: DB624

Instrument: VOAMS7.i
Operator: VOAMS 6
Column diameter: 0.53



Client ID: **PZ-2**
Site: Rexam DSI

Lab Sample No: **237822**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22791.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.5
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.6
Chloroethane	ND	0.4
Methylene Chloride	ND	0.8
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.4
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.1
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.1
Tetrachloroethene	ND	0.3
1,1,2,2-Tetrachloroethane	ND	0.1
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.3
Xylene (Total)	ND	0.3

Client ID: **PZ-2**
Site: Rexam DSI

Lab Sample No: **237822**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22791.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
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18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22791.d
Report Date: 31-Oct-2000 09:50

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22791.d
Lab Smp Id: 237822 Client Smp ID: PZ-2
Inj Date : 30-OCT-2000 22:26
Operator : VOAMS 6 Inst ID: VOAMS7.i
Smp Info : 237822
Misc Info : F104;3599;;MR
Comment :
Method : /chem/VOAMS7.i/624/10-24-00/30oct00.b/624_00.m
Meth Date : 30-Oct-2000 11:07 riaz Quant Type: ISTD
Cal Date : 24-OCT-2000 16:39 Cal File: v22496.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

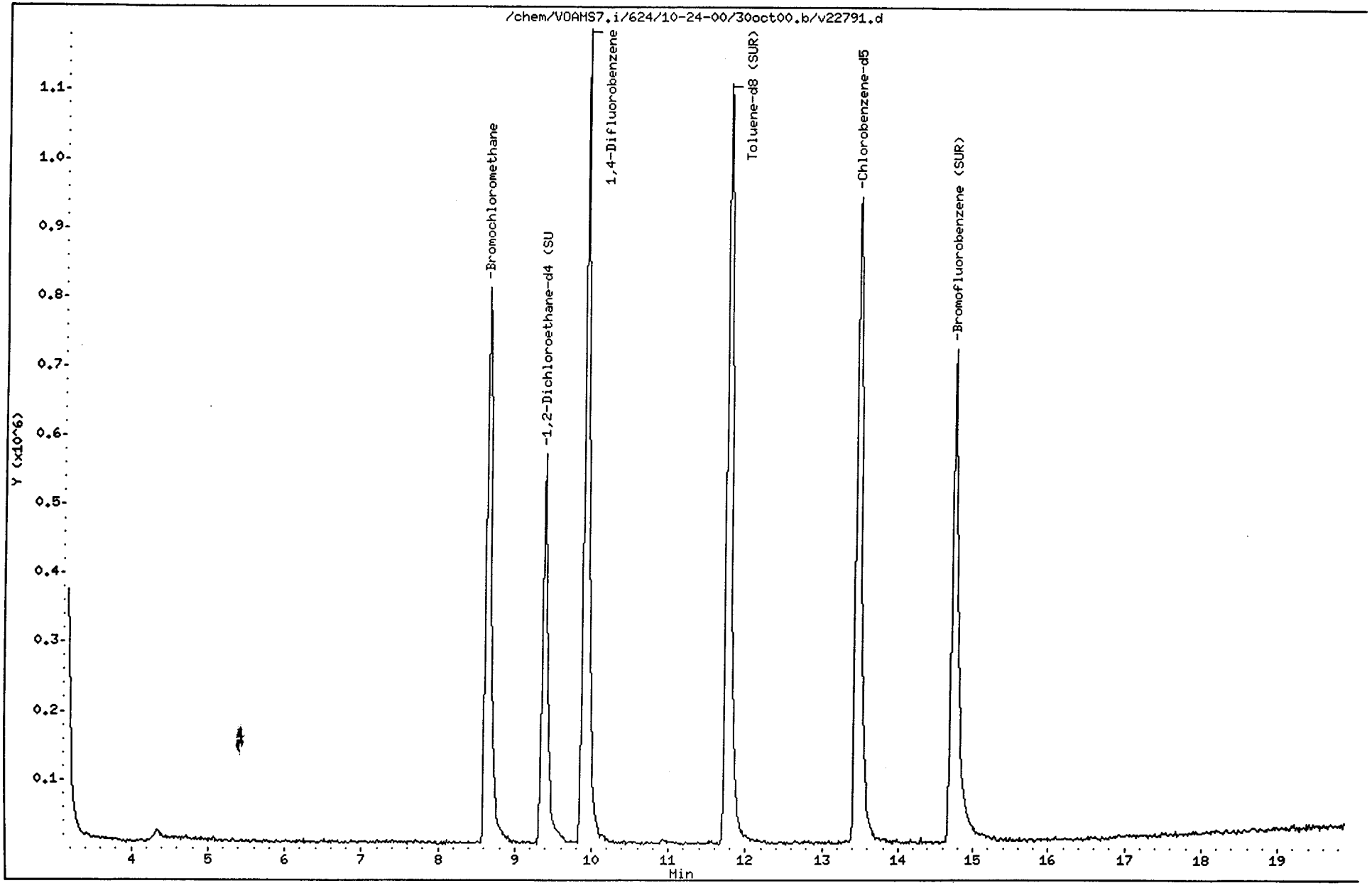
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 2 Bromochloromethane	128	8.629	8.615	(1.000)	517387	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	9.370	9.356	(0.946)	121865	27.4800	27
* 19 1,4-Difluorobenzene	114	9.904	9.890	(1.000)	2079420	30.0000	
$ 37 Toluene-d8 (SUR)	98	11.743	11.743	(0.873)	1774612	32.7111	33
* 32 Chlorobenzene-d5	117	13.448	13.434	(1.000)	1368383	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	14.723	14.709	(1.095)	614738	26.7199	27

Data File: /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22791.d
Date : 30-OCT-2000 22:26
Client ID: PZ-2
Sample Info: 237822
Purge Volume: 5.0
Column phase: DB624

Instrument: VOAMS7.i

Operator: VOAMS 6
Column diameter: 0.53



Client ID: **Trip_Blank-1**
Site: Rexam DSI

Lab Sample No: **237823**
Lab Job No: F104

Date Sampled: 10/24/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22792.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.5
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.6
Chloroethane	ND	0.4
Methylene Chloride	ND	0.8
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.4
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.1
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.1
Tetrachloroethene	ND	0.3
1,1,2,2-Tetrachloroethane	ND	0.1
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.3
Xylene (Total)	ND	0.3

Client ID: **Trip_Blank-1**
Site: Rexam DSI

Lab Sample No: **237823**
Lab Job No: F104

Date Sampled: 10/24/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22792.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
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30.			

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22792.d
Report Date: 31-Oct-2000 09:50

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22792.d
Lab Smp Id: 237823 Client Smp ID: Trip_Blank-1
Inj Date : 30-OCT-2000 22:53
Operator : VOAMS 6 Inst ID: VOAMS7.i
Smp Info : 237823
Misc Info : F104;3599;;MR
Comment :
Method : /chem/VOAMS7.i/624/10-24-00/30oct00.b/624_00.m
Meth Date : 30-Oct-2000 11:07 riaz Quant Type: ISTD
Cal Date : 24-OCT-2000 16:39 Cal File: v22496.d
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

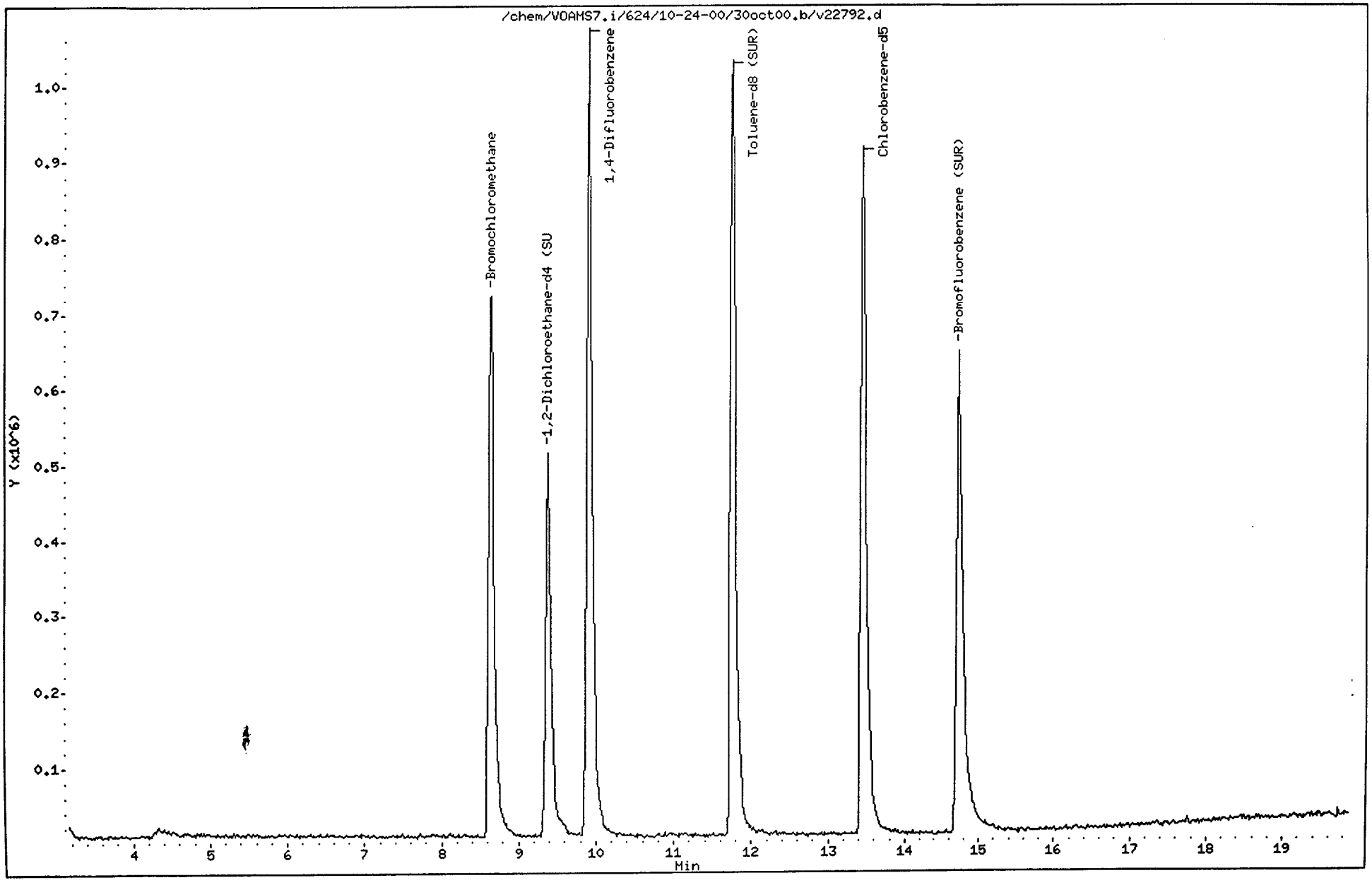
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 2 Bromochloromethane	128	8.644	8.615	(1.000)	481515	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	9.370	9.356	(0.946)	116331	28.0297	28
* 19 1,4-Difluorobenzene	114	9.904	9.890	(1.000)	1946062	30.0000	
$ 37 Toluene-d8 (SUR)	98	11.758	11.743	(0.874)	1667568	33.2336	33
* 32 Chlorobenzene-d5	117	13.448	13.434	(1.000)	1265626	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	14.738	14.709	(1.096)	556723	26.1629	26

Data File: /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22792.d
Date : 30-OCT-2000 22:53
Client ID: Trip_Blank-1
Sample Info: 237823
Purge Volume: 5.0
Column phase: DB624

Instrument: VOAMS7.i

Operator: VOAMS 6
Column diameter: 0.53



Client ID: **Field_Blank-1025**
Site: Rexam DSI

Lab Sample No: **237824**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22793.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.5
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.6
Chloroethane	ND	0.4
Methylene Chloride	ND	0.8
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.4
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.1
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.1
Tetrachloroethene	ND	0.3
1,1,2,2-Tetrachloroethane	ND	0.1
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.3
Xylene (Total)	ND	0.3

Client ID: **Field_Blank-1025**
Site: Rexam DSI

Lab Sample No: **237824**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22793.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
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26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22793.d
Report Date: 31-Oct-2000 09:50

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22793.d
Lab Smp Id: 237824 Client Smp ID: Field_Blank-1025
Inj Date : 30-OCT-2000 23:19
Operator : VOAMS 6 Inst ID: VOAMS7.i
Smp Info : 237824
Misc Info : F104;3567;;MR
Comment :
Method : /chem/VOAMS7.i/624/10-24-00/30oct00.b/624_00.m
Meth Date : 30-Oct-2000 11:07 riaz Quant Type: ISTD
Cal Date : 24-OCT-2000 16:39 Cal File: v22496.d
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

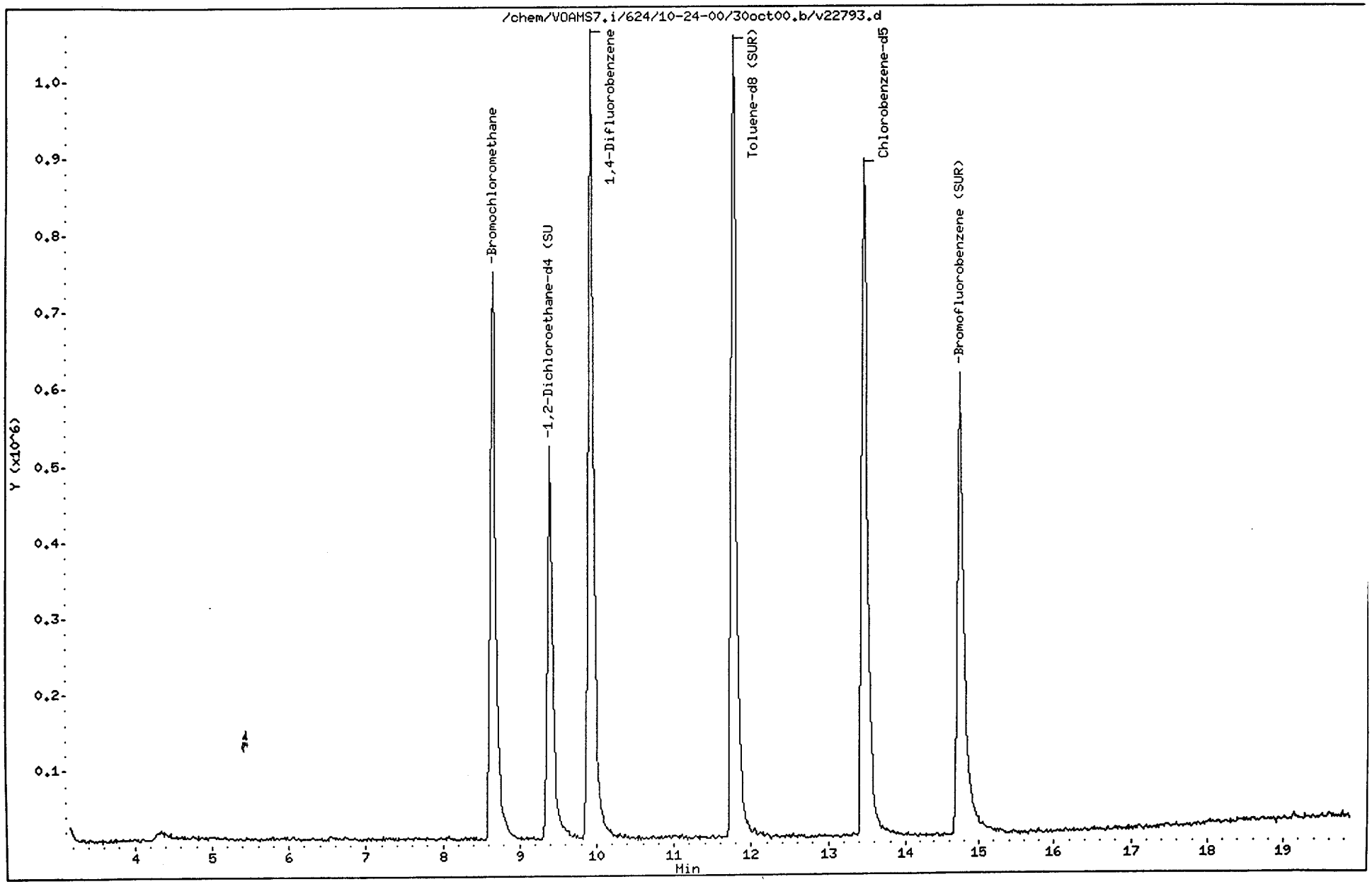
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 2 Bromochloromethane	128	8.644	8.615	(1.000)	478894	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	9.385	9.356	(0.946)	115963	28.1421	28
* 19 1,4-Difluorobenzene	114	9.919	9.890	(1.000)	1932157	30.0000	
$ 37 Toluene-d8 (SUR)	98	11.758	11.743	(0.874)	1661423	32.9197	33
* 32 Chlorobenzene-d5	117	13.448	13.434	(1.000)	1272985	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	14.738	14.709	(1.096)	541363	25.2940	25

Data File: /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22793.d
Date : 30-OCT-2000 23:19
Client ID: Field_Blank-1025
Sample Info: 237824
Purge Volume: 5.0
Column phase: DB624

Instrument: VOAMS7.i

Operator: VOAMS 6
Column diameter: 0.53



Client ID: **RC-1_2nd_Flr**
Site: Rexam DSI

Lab Sample No: **237825**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10515.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.4 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.6
Bromomethane	ND	4.6
Vinyl Chloride	ND	4.6
Chloroethane	ND	4.6
Methylene Chloride	ND	2.8
Trichlorofluoromethane	ND	4.6
1,1-Dichloroethene	ND	1.8
1,1-Dichloroethane	ND	4.6
trans-1,2-Dichloroethene	ND	4.6
cis-1,2-Dichloroethene	ND	4.6
Chloroform	ND	4.6
1,2-Dichloroethane	ND	1.8
1,1,1-Trichloroethane	ND	4.6
Carbon Tetrachloride	ND	1.8
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	0.9
cis-1,3-Dichloropropene	ND	4.6
Trichloroethene	ND	0.9
Dibromochloromethane	ND	4.6
1,1,2-Trichloroethane	ND	2.8
Benzene	ND	0.9
trans-1,3-Dichloropropene	ND	4.6
2-Chloroethyl Vinyl Ether	ND	4.6
Bromoform	ND	3.7
Tetrachloroethene	2.9	0.9
1,1,2,2-Tetrachloroethane	ND	0.9
Toluene	0.7J	4.6
Chlorobenzene	ND	4.6
Ethylbenzene	ND	3.7
Xylene (Total)	ND	4.6

Client ID: **RC-1_2nd_Flr**
Site: Rexam DSI

Lab Sample No: **237825**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10515.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.4 g
Purge Volume: 5.0 ml
% Moisture: 0.2

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	2-Propanone	6.05	5.4	
2.				
3.				
4.				
5.				
6.				
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27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 5.4

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10515.d
Report Date: 01-Nov-2000 12:43

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10515.d
Lab Smp Id: 237825 Client Smp ID: RC-1_2nd_Flr
Inj Date : 31-OCT-2000 18:14
Operator : VOAMS 8 Inst ID: VOAMS1.i
Smp Info : 237825;;0.2;5.43;5
Misc Info : F104;1918;KLB AT
Comment :
Method : /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/8260L_00.m
Meth Date : 31-Oct-2000 13:55 ken Quant Type: ISTD
Cal Date : 20-OCT-2000 18:54 Cal File: a10343.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOA.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.43000	Weight of sample extracted (g)
M	0.20000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	9.686	9.655	(0.956)	1220322	50.2009	46
* 19 Fluorobenzene	96	10.129	10.113	(1.000)	4076808	50.0000	
$ 37 Toluene-d8 (SUR)	98	12.065	12.049	(0.878)	2636245	51.5751	48
38 Toluene	91	12.153	12.137	(0.884)	45691	0.74942	0.69(a)
35 Tetrachloroethene	166	12.833	12.817	(0.933)	122673	3.12180	2.9
* 32 Chlorobenzene-d5	117	13.749	13.748	(1.000)	2636727	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	15.034	15.033	(0.924)	1367245	70.1020	65
* 91 1,4-Dichlorobenzene-d4	152	16.275	16.274	(1.000)	885183	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

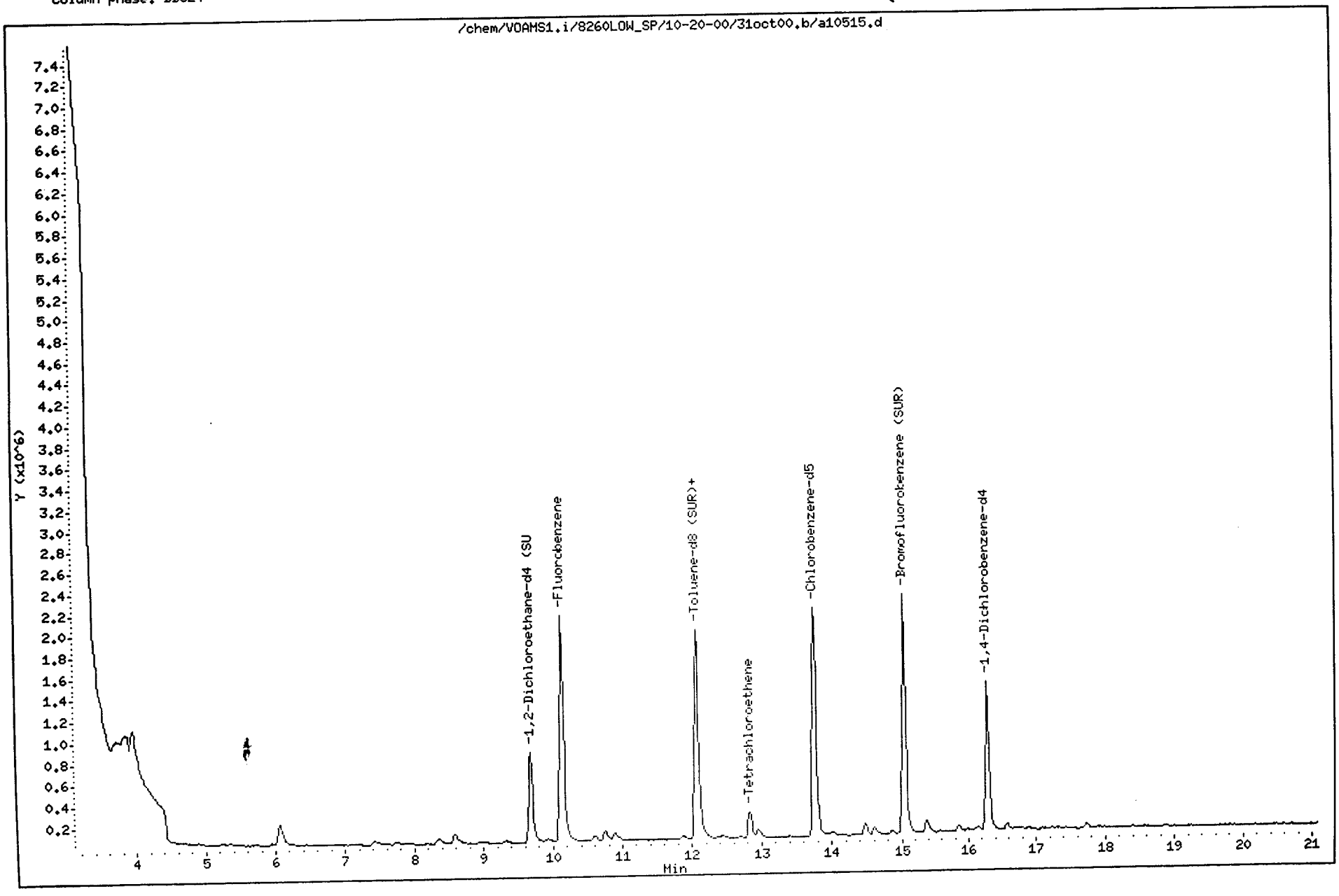
VVN Conf. ISTD + surr. only by A 10508.

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10515.d
Date : 31-OCT-2000 18:14
Client ID: RC-1_2nd_Flr
Sample Info: 237825;;0.2;5.43;5

Column phase: DB624

Instrument: VOAMS1.i

Operator: VOAMS 8
Column diameter: 0.53



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10515.d

Date : 31-OCT-2000 18:14

Client ID: RC-1_2nd_Flr

Instrument: VOAMS1.i

Sample Info: 237825;;0.2;5.43;5

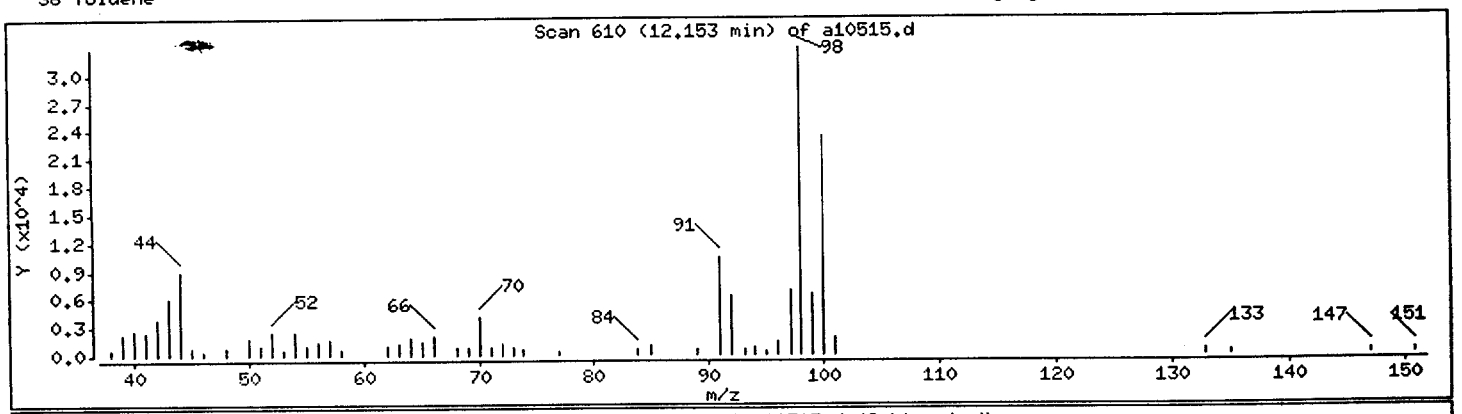
Operator: VOAMS 8

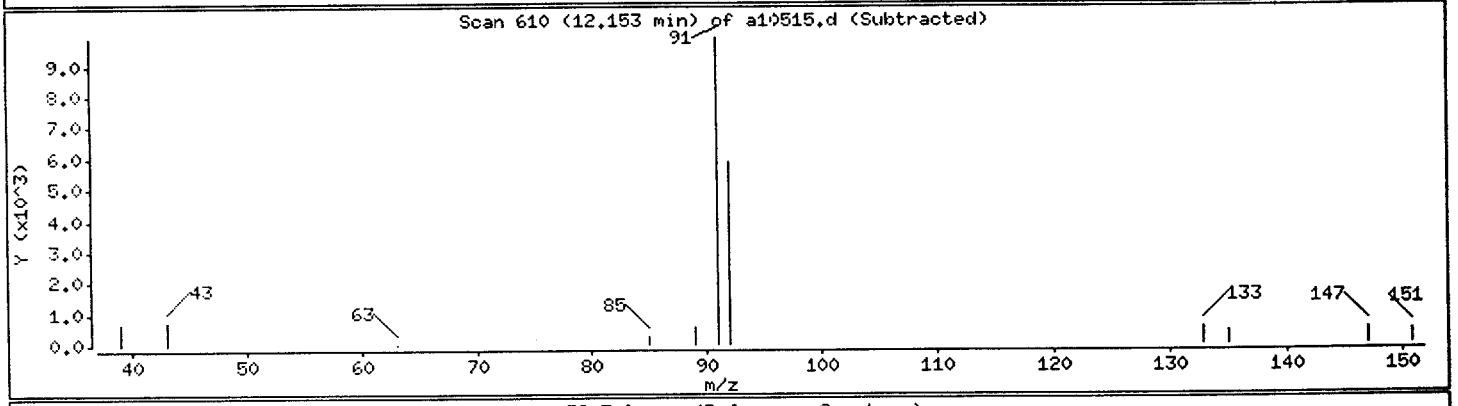
Column phase: DB624

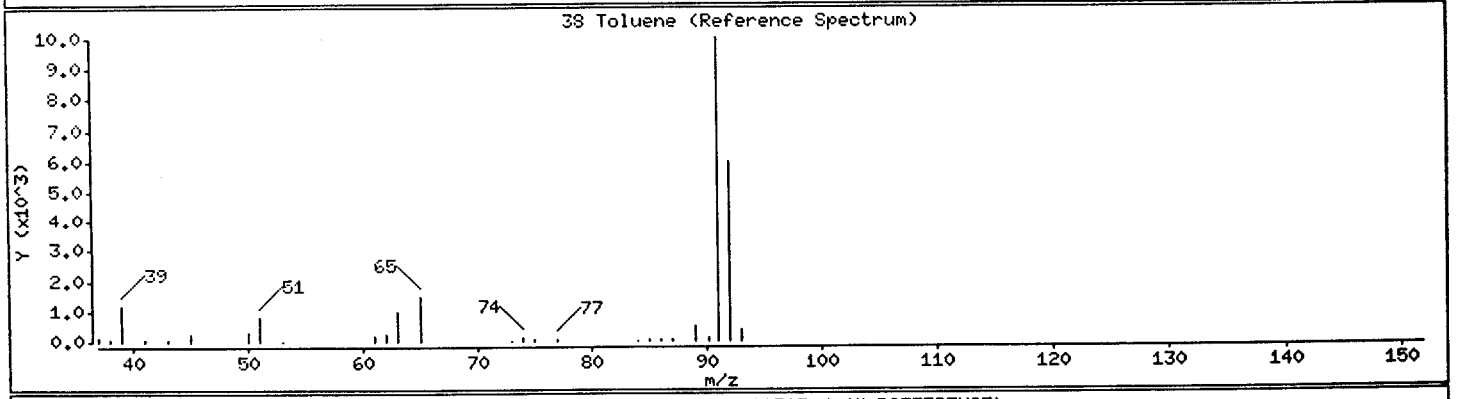
Column diameter: 0.53

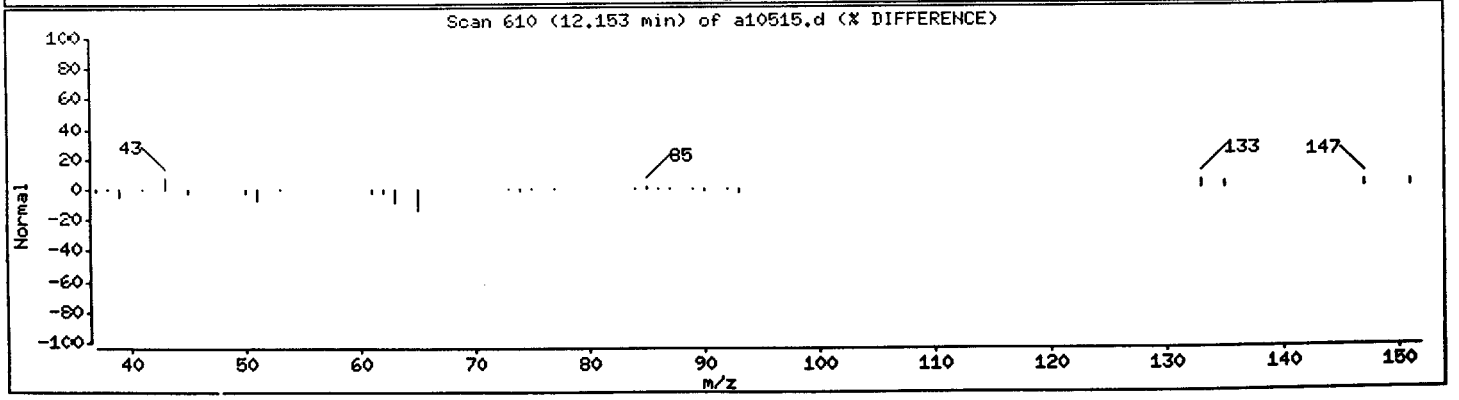
38 Toluene

Concentration: 0.69 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10515.d

Date : 31-OCT-2000 18:14

Client ID: RC-1_2nd_Flr

Instrument: VOAMS1.i

Sample Info: 237825;;0.2;5.43;5

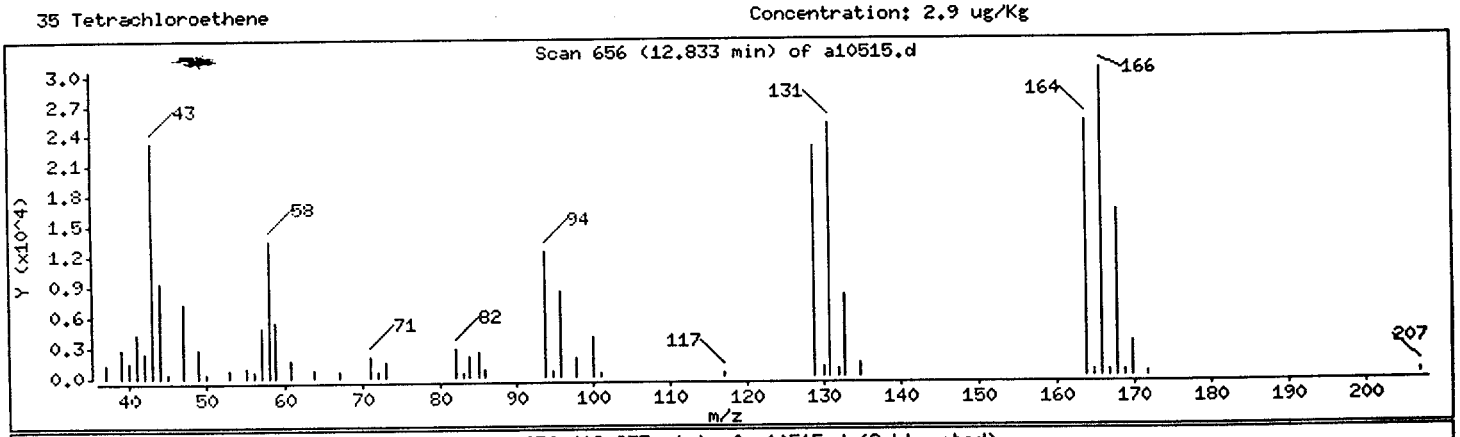
Operator: VOAMS 8

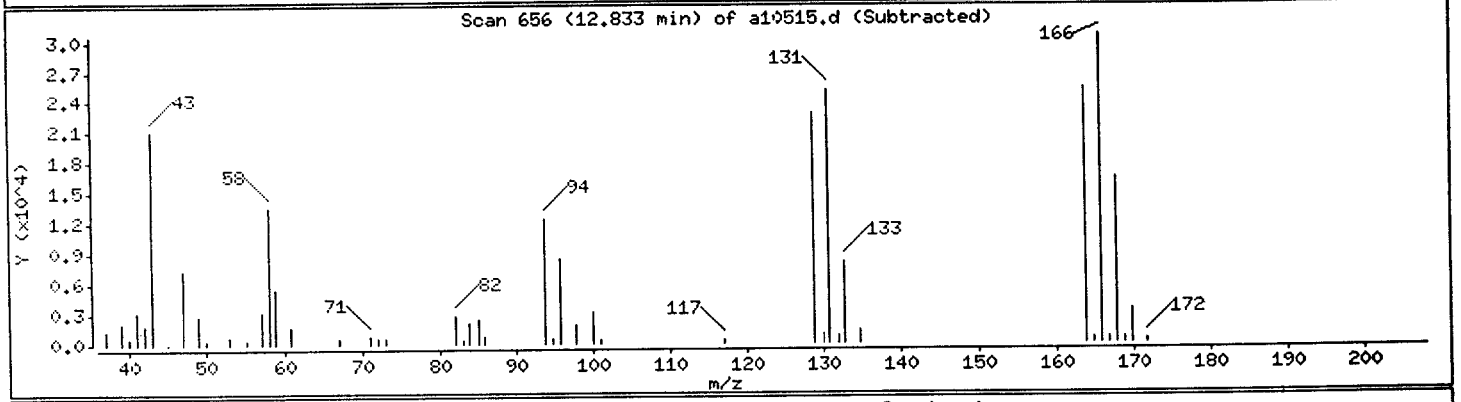
Column phase: DB624

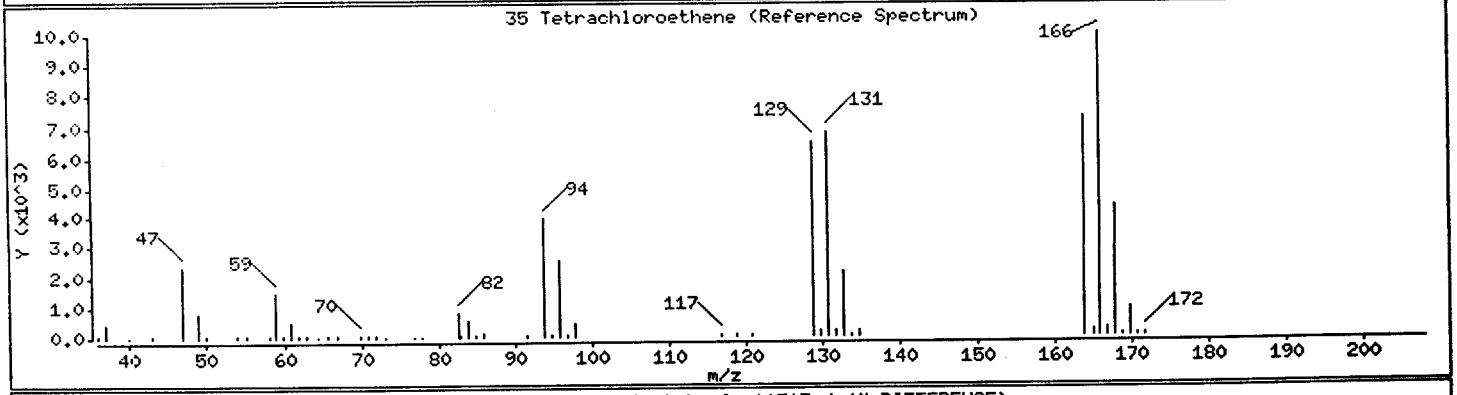
Column diameter: 0.53

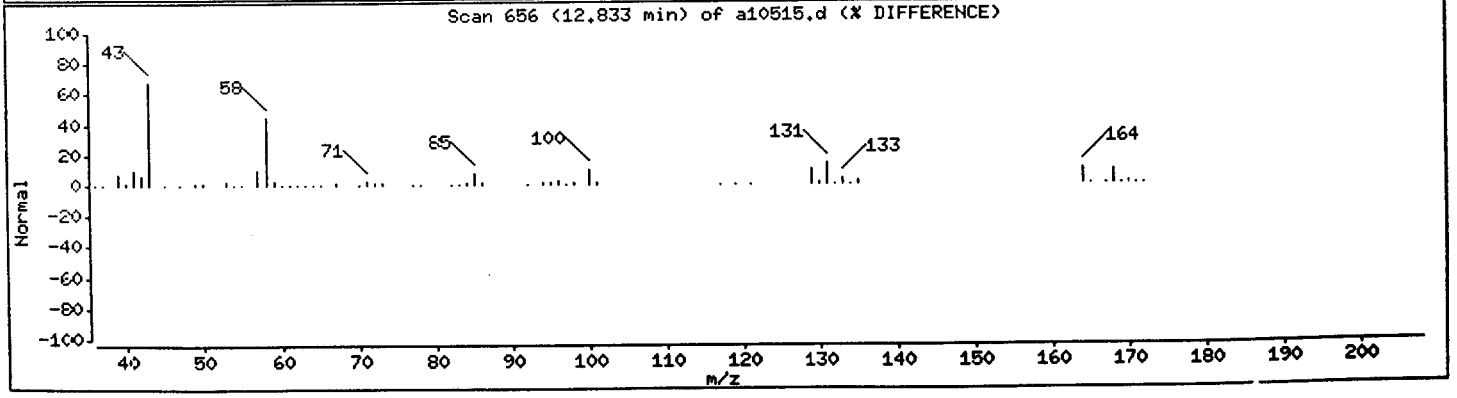
35 Tetrachloroethene

Concentration: 2.9 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10515.d

Date : 31-OCT-2000 18:14

Client ID: RC-1_2nd_Flr

Instrument: VOAMS1.i

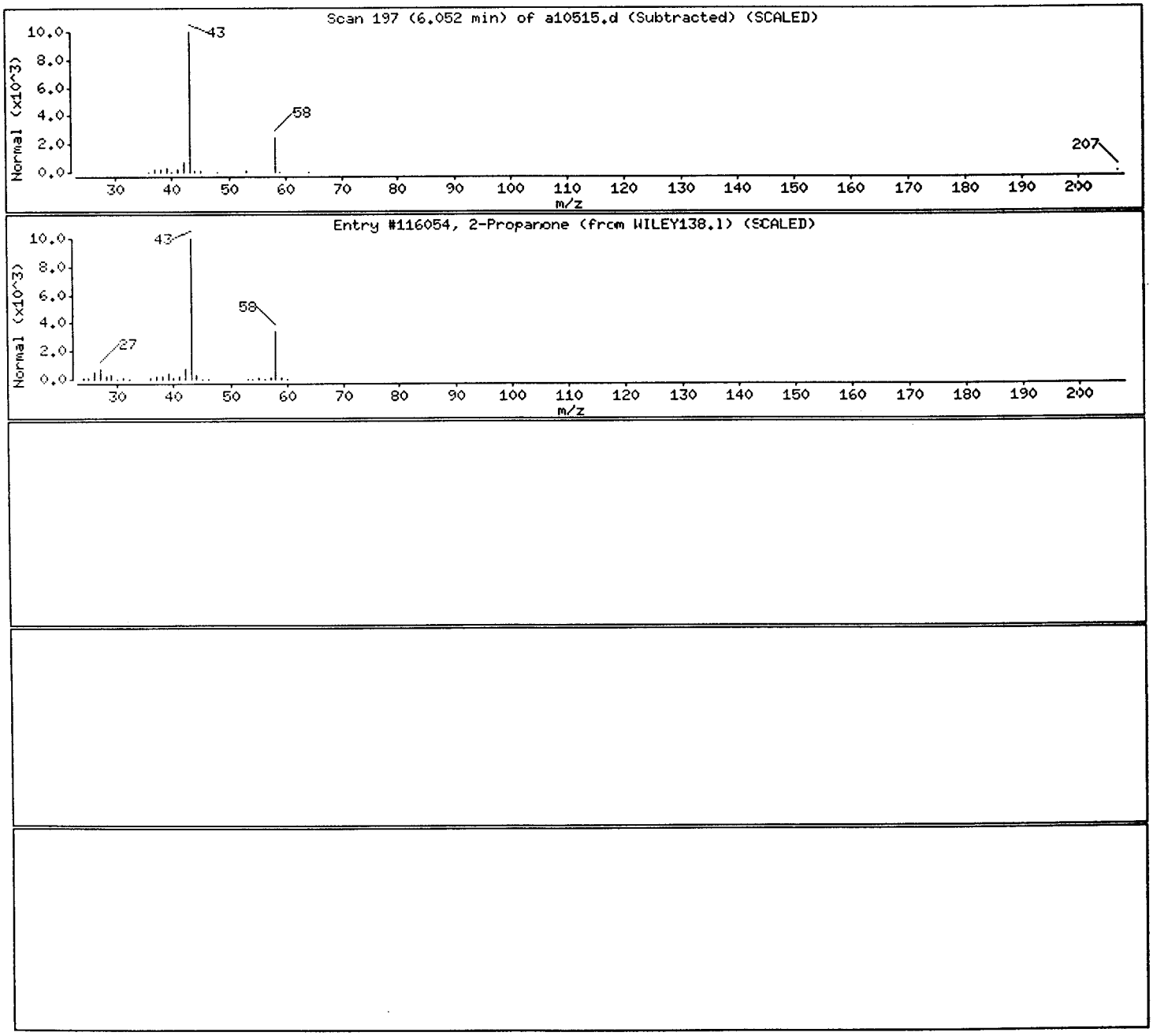
Sample Info: 237825;;0.2;5.43;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Propanone	67-64-1	WILEY138.l	116054	38	C3H6O	58



Client ID: **RC-2_3rd_Flr**
Site: Rexam DSI

Lab Sample No: **237826**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10510.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 4

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.2
Bromomethane	ND	5.2
Vinyl Chloride	ND	5.2
Chloroethane	ND	5.2
Methylene Chloride	0.8JB	3.1
Trichlorofluoromethane	ND	5.2
1,1-Dichloroethene	ND	2.1
1,1-Dichloroethane	ND	5.2
trans-1,2-Dichloroethene	ND	5.2
cis-1,2-Dichloroethene	ND	5.2
Chloroform	1.8J	5.2
1,2-Dichloroethane	ND	2.1
1,1,1-Trichloroethane	ND	5.2
Carbon Tetrachloride	ND	2.1
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.2
Trichloroethene	0.8J	1.0
Dibromochloromethane	ND	5.2
1,1,2-Trichloroethane	ND	3.1
Benzene	11	1.0
trans-1,3-Dichloropropene	ND	5.2
2-Chloroethyl Vinyl Ether	ND	5.2
Bromoform	ND	4.2
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	7.2	5.2
Chlorobenzene	ND	5.2
Ethylbenzene	ND	4.2
Xylene (Total)	ND	5.2

Client ID: **RC-2_3rd_Flr**
Site: Rexam DSI

Lab Sample No: **237826**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10510.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 4.2

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	2-Propanone	6.05	36	
2.	Acetic acid, methyl ester	6.59	6.2	
3.	Butanal	8.34	8.3	
4.	2-Butanone	8.56	16	
5.	Pentanal	9.92	6.2	
6.	C5H10O Ketone	10.74	10	
7.	2-Hexanone	12.82	6.9	
8.	C8H16O Ketone	15.38	11	
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30.				

TOTAL ESTIMATED CONCENTRATION: 101

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10510.d
Report Date: 01-Nov-2000 17:15

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10510.d
Lab Smp Id: 237826 Client Smp ID: RC-2_3rd_Flr
Inj Date : 31-OCT-2000 15:41
Operator : VOAMS 8 Inst ID: VOAMS1.i
Smp Info : 237826;;4.2;5.03;5
Misc Info : F104;1918;FM
Comment :
Method : /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/8260L_00.m
Meth Date : 31-Oct-2000 13:55 ken Quant Type: ISTD
Cal Date : 20-OCT-2000 18:54 Cal File: a10343.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.03000	Weight of sample extracted (g)
M	4.20000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	6 Methylene Chloride	84	6.748	6.701	(0.666)	6412	0.77239	0.80(aH)
	15 Chloroform	83	9.023	8.976	(0.891)	31385	1.76979	1.8(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	9.687	9.655	(0.956)	426376	58.5091	61
	28 Benzene	78	9.820	9.788	(0.969)	222987	11.0519	11
*	19 Fluorobenzene	96	10.131	10.113	(1.000)	1222155	50.0000	
	25 Trichloroethene	95	10.633	10.586	(1.050)	9518	0.81038	0.84(a)
$	37 Toluene-d8 (SUR)	98	12.066	12.049	(0.877)	642561	59.8672	62
	38 Toluene	91	12.155	12.137	(0.883)	88554	6.91703	7.2
*	32 Chlorobenzene-d5	117	13.765	13.748	(1.000)	553663	50.0000	
$	41 Bromofluorobenzene (SUR)	174	15.035	15.033	(0.924)	353717	56.5595	59
*	91 1,4-Dichlorobenzene-d4	152	16.276	16.274	(1.000)	283836	50.0000	

Confirmed by #10516.

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10510.d
Report Date: 01-Nov-2000 17:15

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

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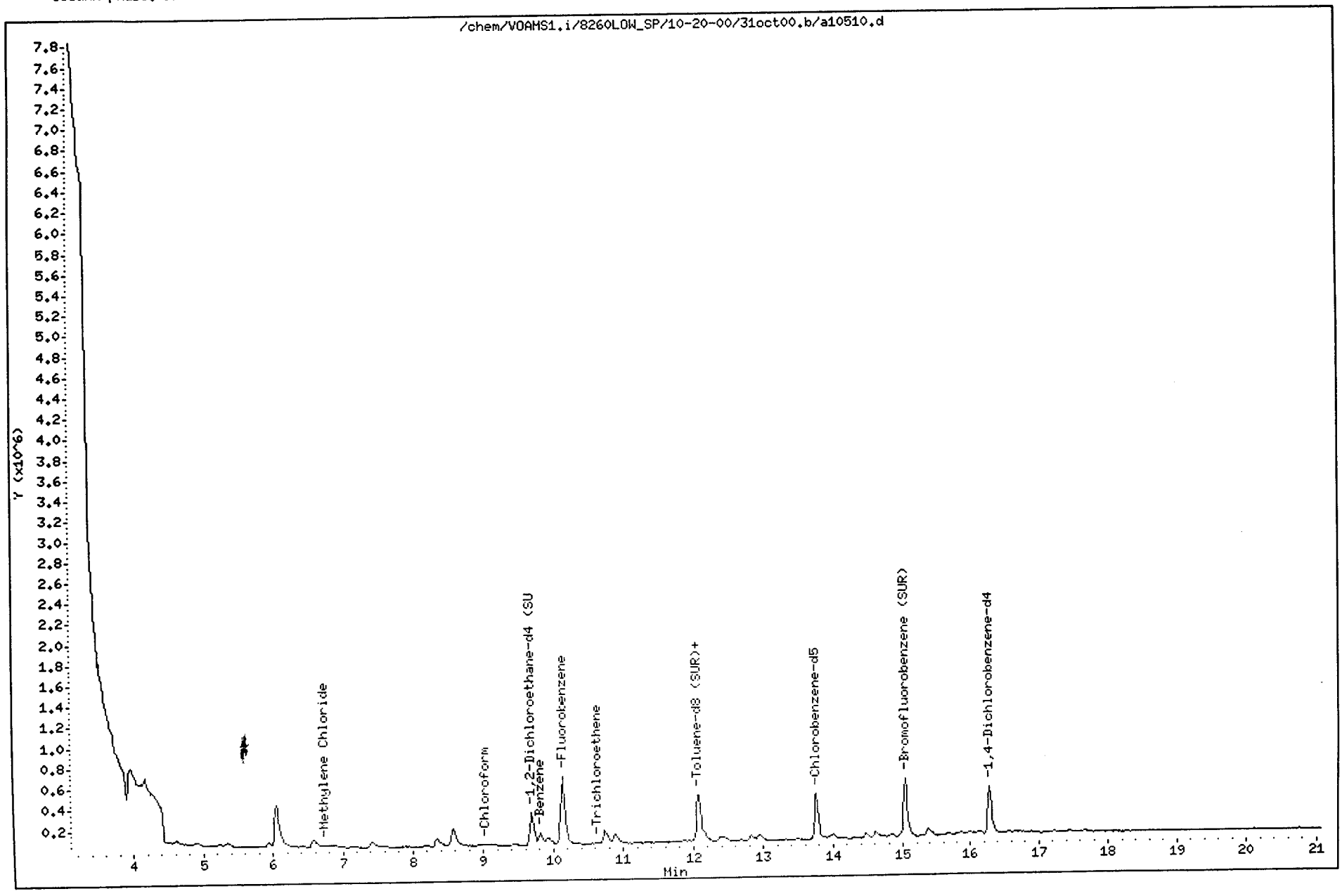
Date : 31-OCT-2000 15:41
Client ID: RC-2_3rd_Flr
Sample Info: 237826;;4.2;5.03;5

Instrument: VOAMS1.i

Operator: VOAMS 8
Column diameter: 0.53

Column phase: DB624

272



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Date : 31-OCT-2000 15:41

Client ID: RC-2_3rd_Flr

Instrument: VOAMS1.i

Sample Info: 237826;;4.2;5.03;5

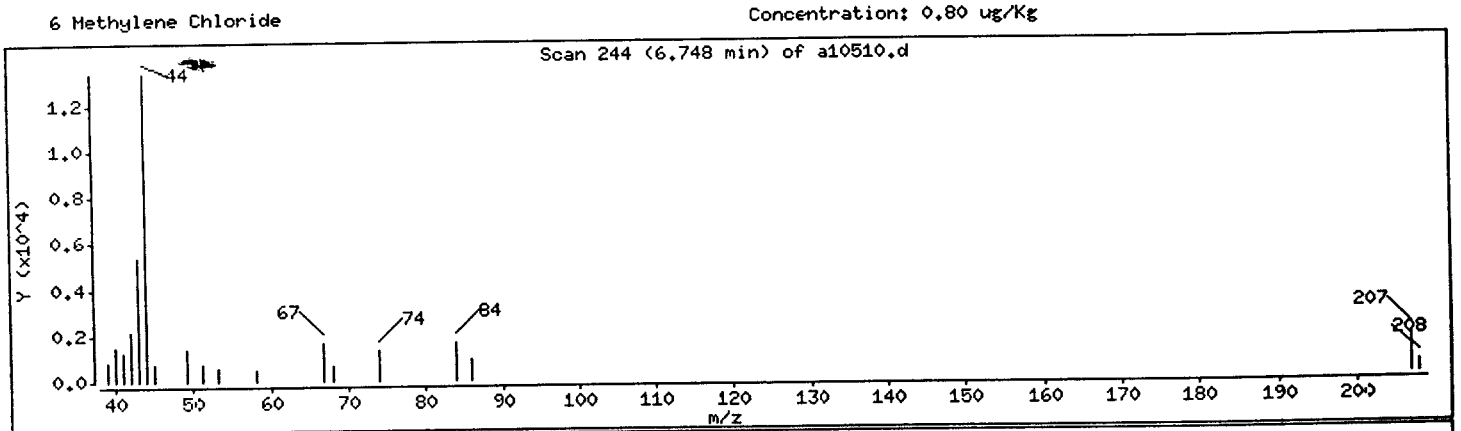
Operator: VOAMS 8

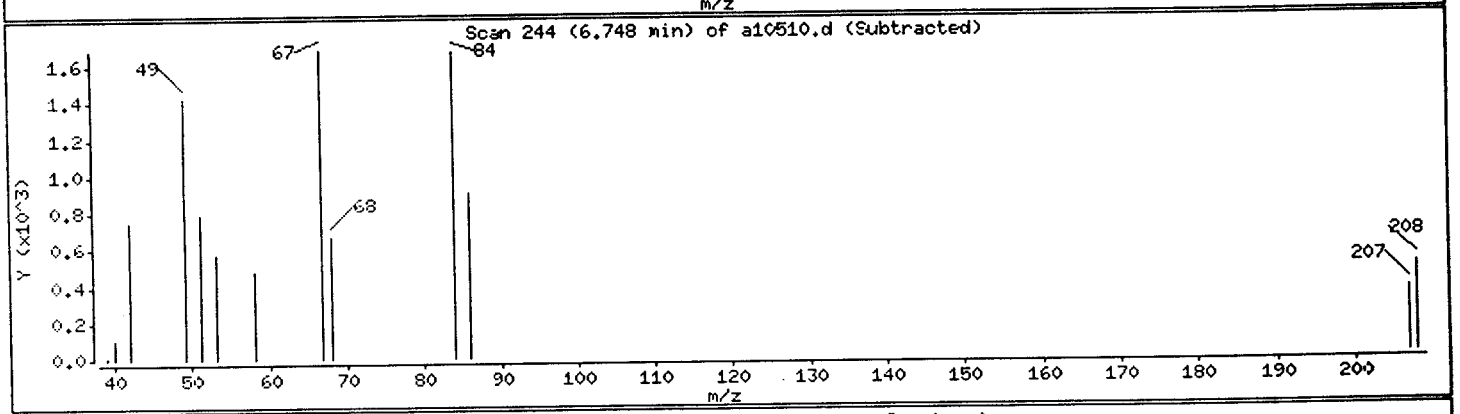
Column phase: DB624

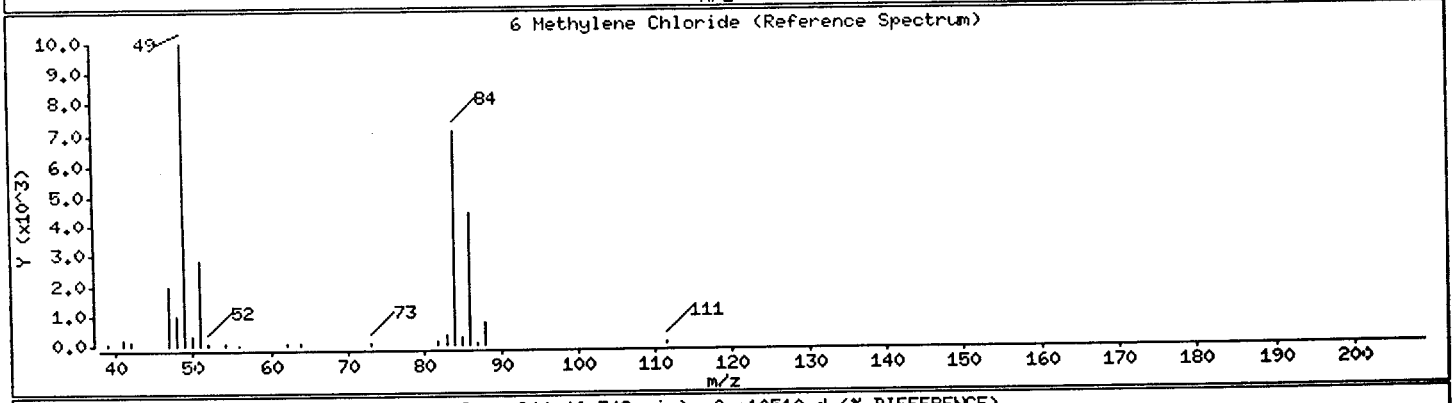
Column diameter: 0.53

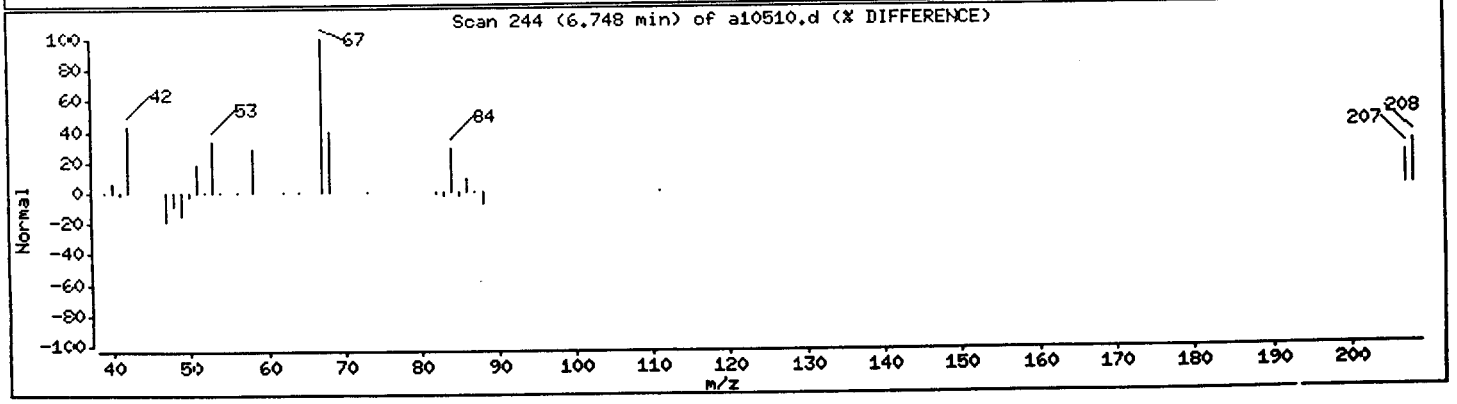
6 Methylene Chloride

Concentration: 0.80 ug/Kg









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Date : 31-OCT-2000 15:41

Client ID: RC-2_3rd_Flr

Instrument: VOAMS1.i

Sample Info: 237826;;4.2;5.03;5

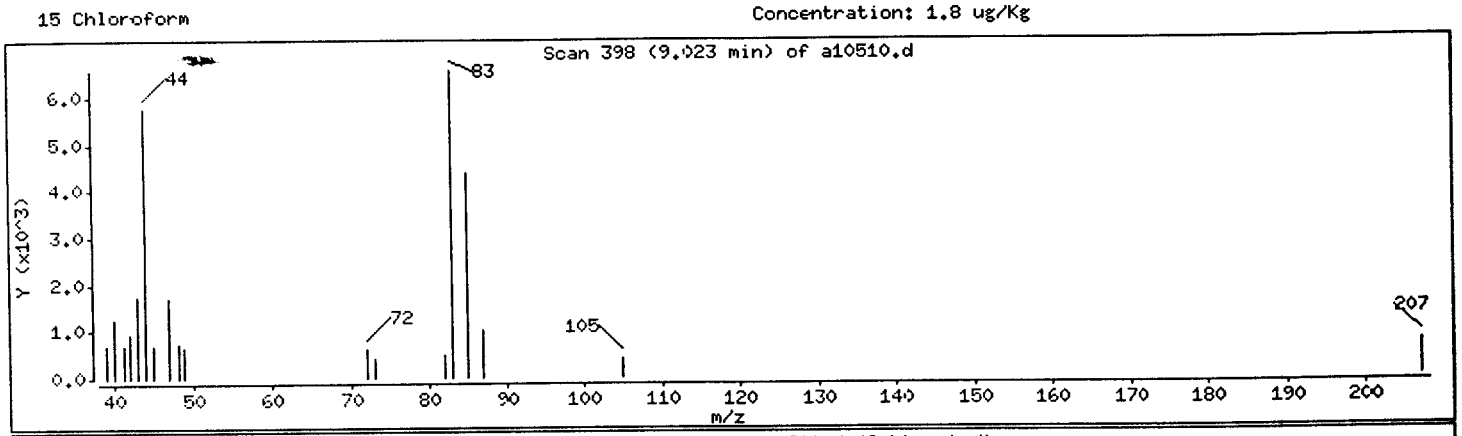
Operator: VOAMS 8

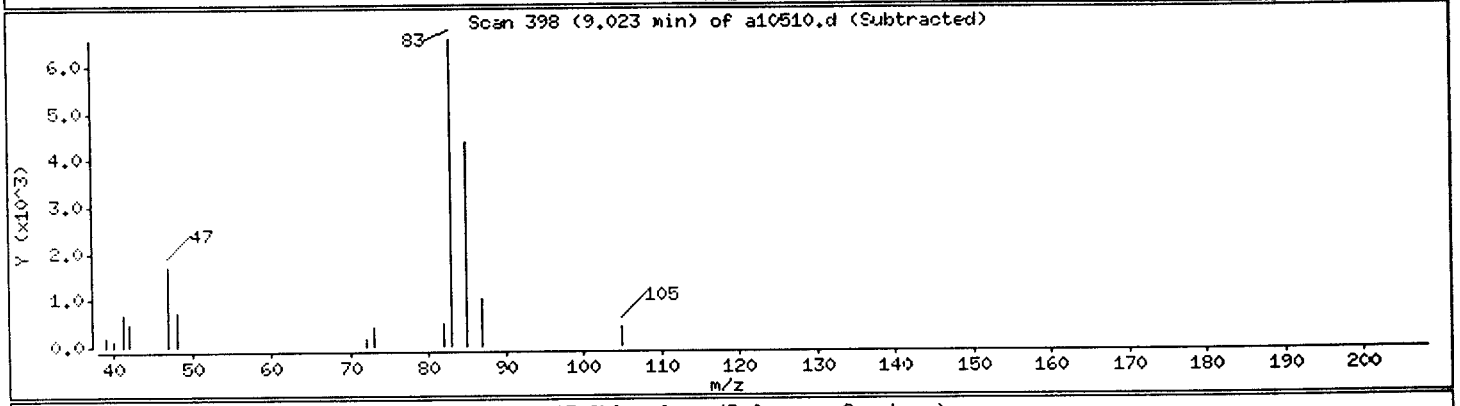
Column phase: DB624

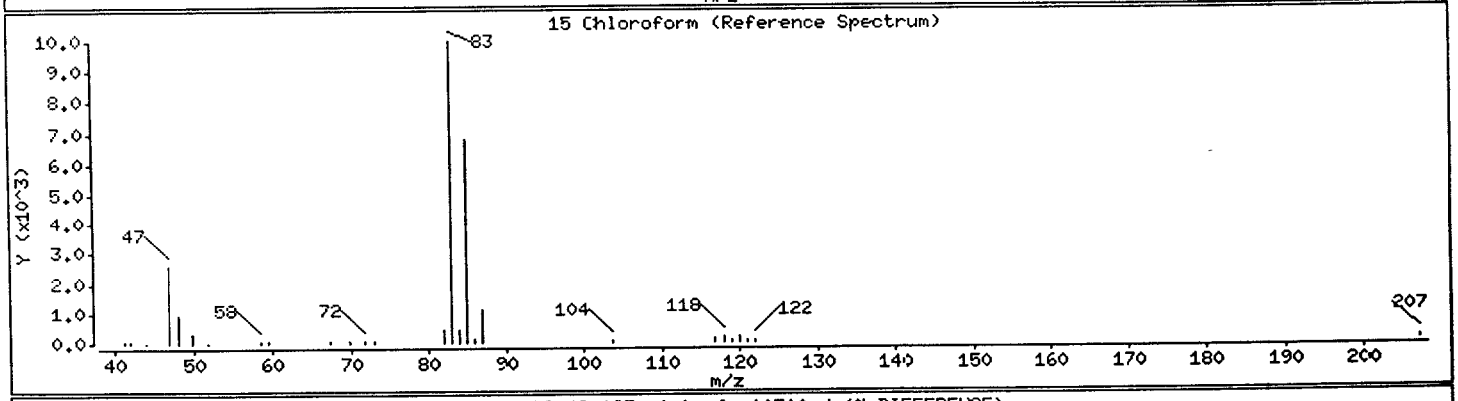
Column diameter: 0.53

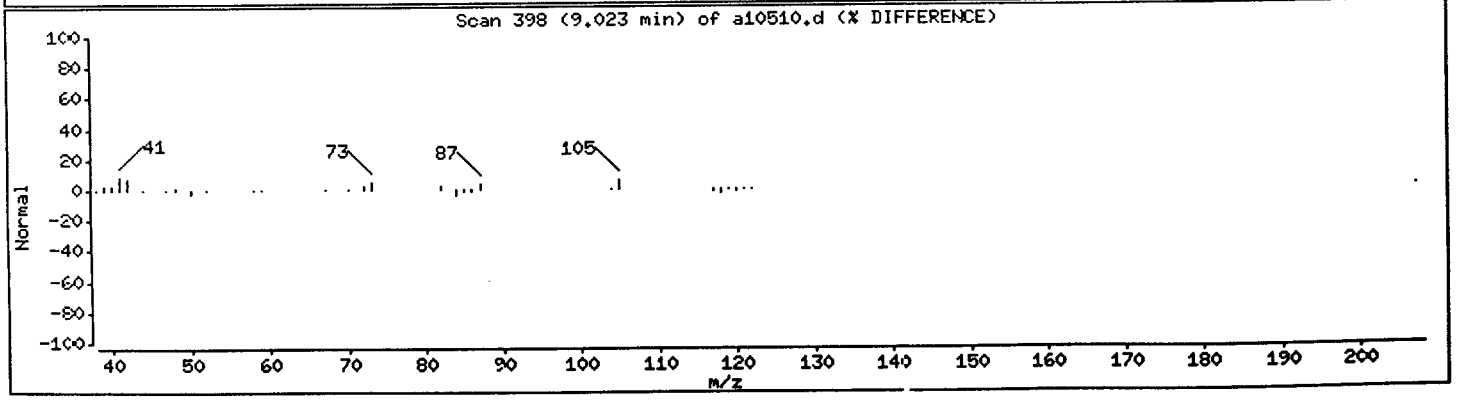
15 Chloroform

Concentration: 1.8 ug/Kg









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Date : 31-OCT-2000 15:41

Client ID: RC-2_3rd_Flr

Instrument: VOAHS1.i

Sample Info: 237826;;4.2;5.03;5

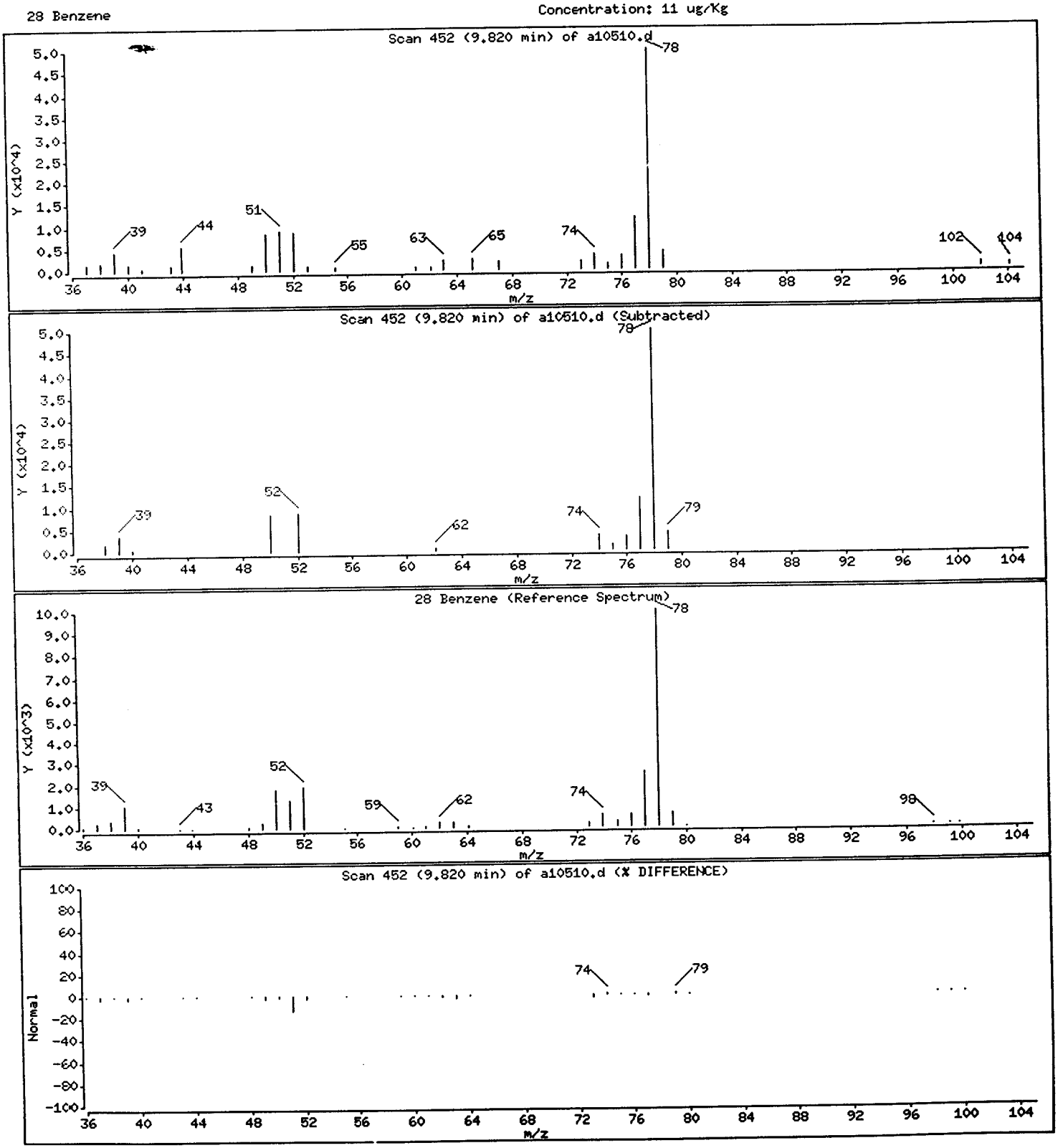
Operator: VOAHS 8

Column phase: DB624

Column diameter: 0.53

28 Benzene

Concentration: 11 ug/Kg



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Date : 31-OCT-2000 15:41

Client ID: RC-2_3rd_Flr

Instrument: VOAMS1.i

Sample Info: 237826;;4.2;5.03;5

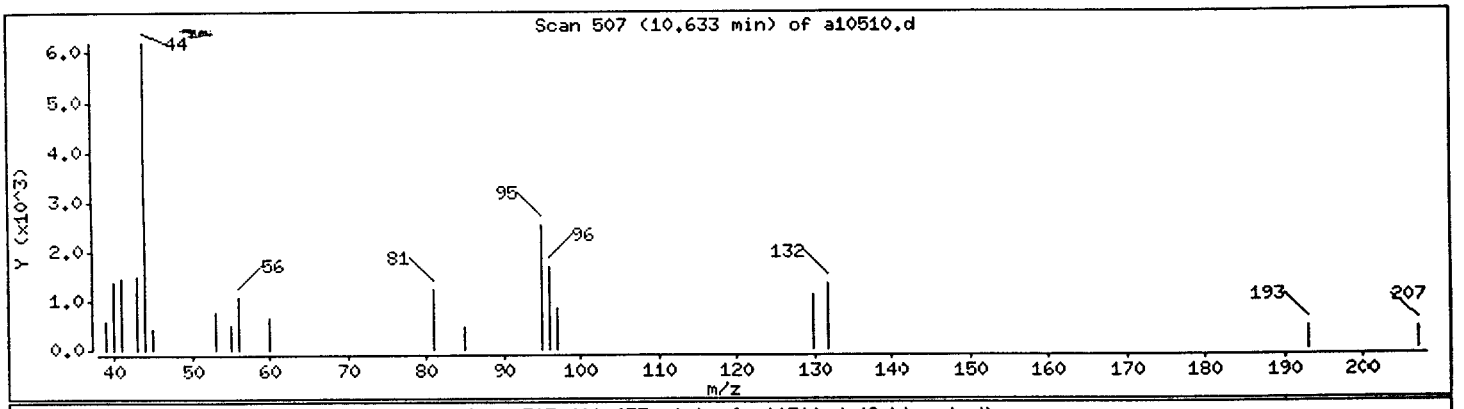
Operator: VOAMS 8

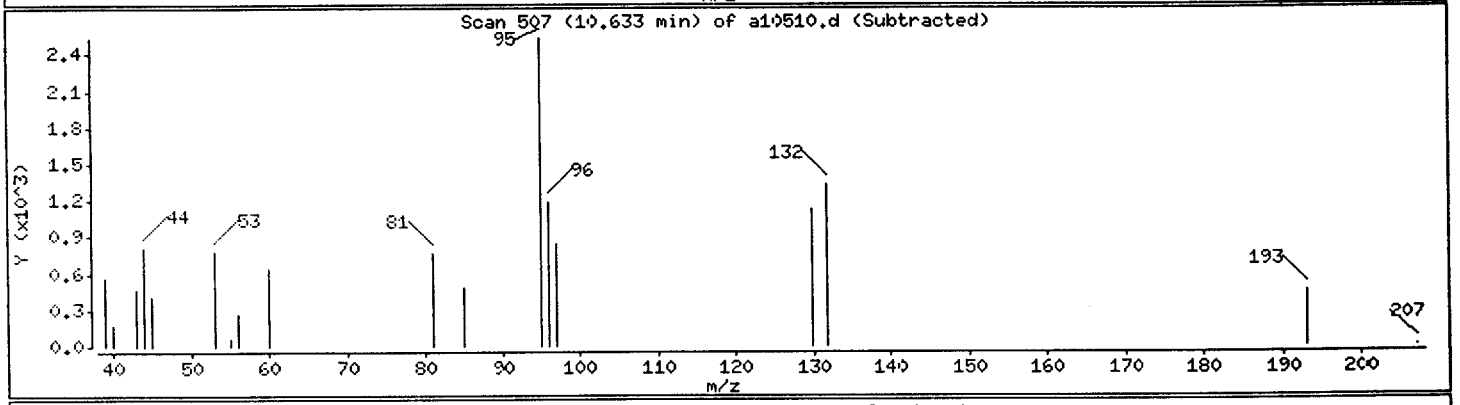
Column phase: DB624

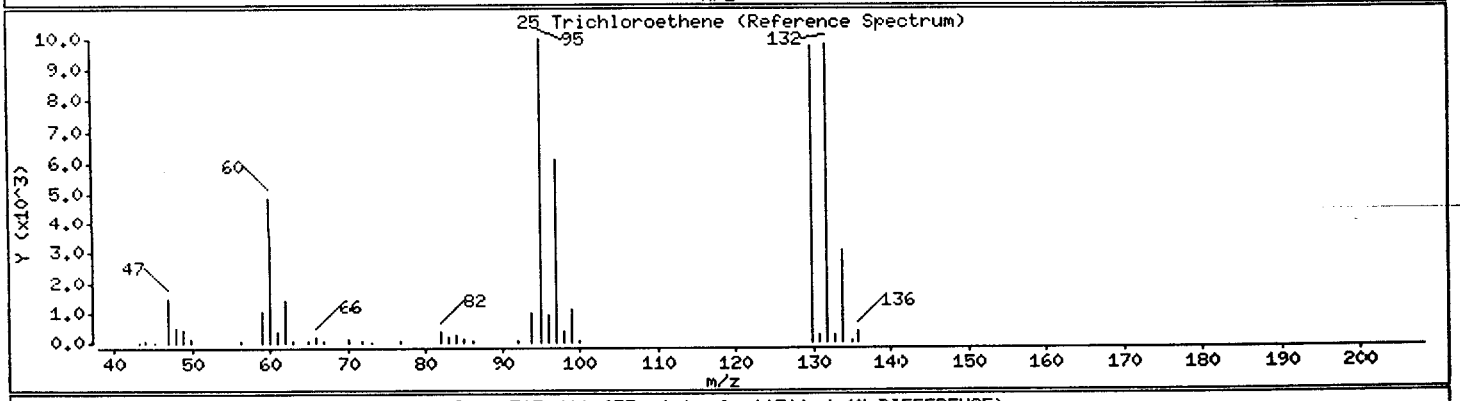
Column diameter: 0.53

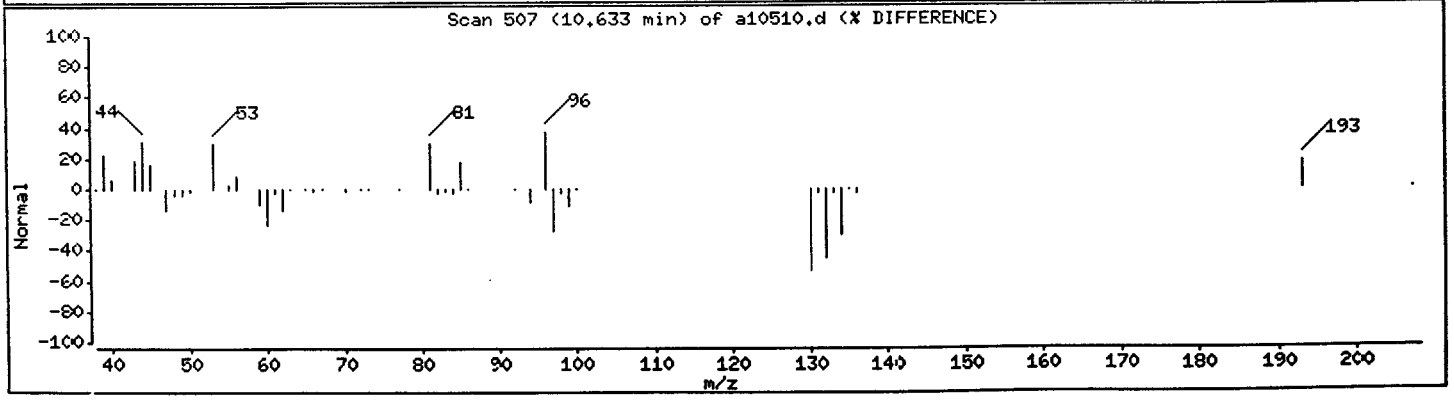
25 Trichloroethene

Concentration: 0.84 ug/Kg









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Date : 31-OCT-2000 15:41

Client ID: RC-2_3rd_Flr

Instrument: VOAMS1.i

Sample Info: 237826;;4.2;5.03;5

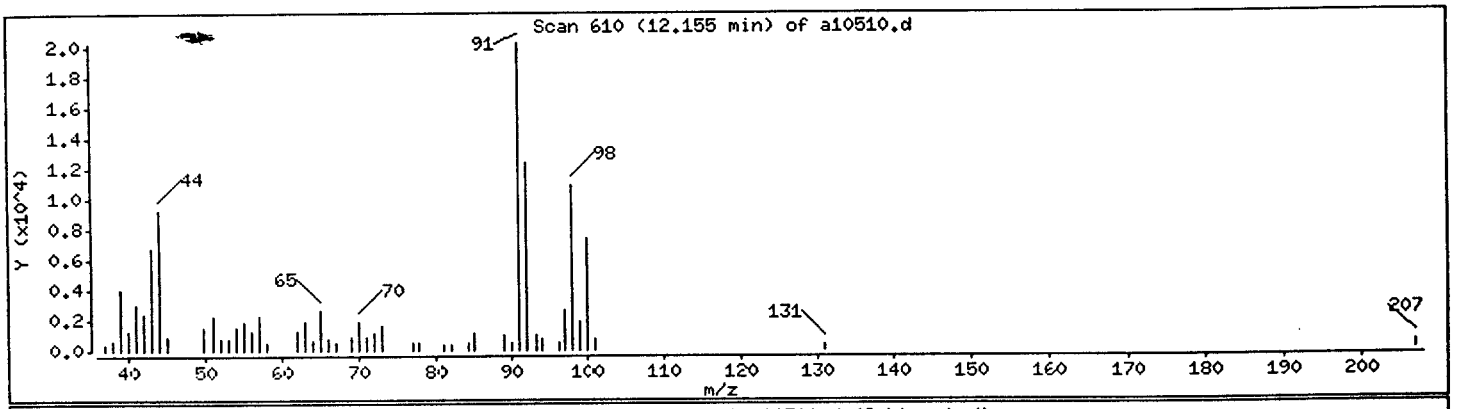
Operator: VOAMS 8

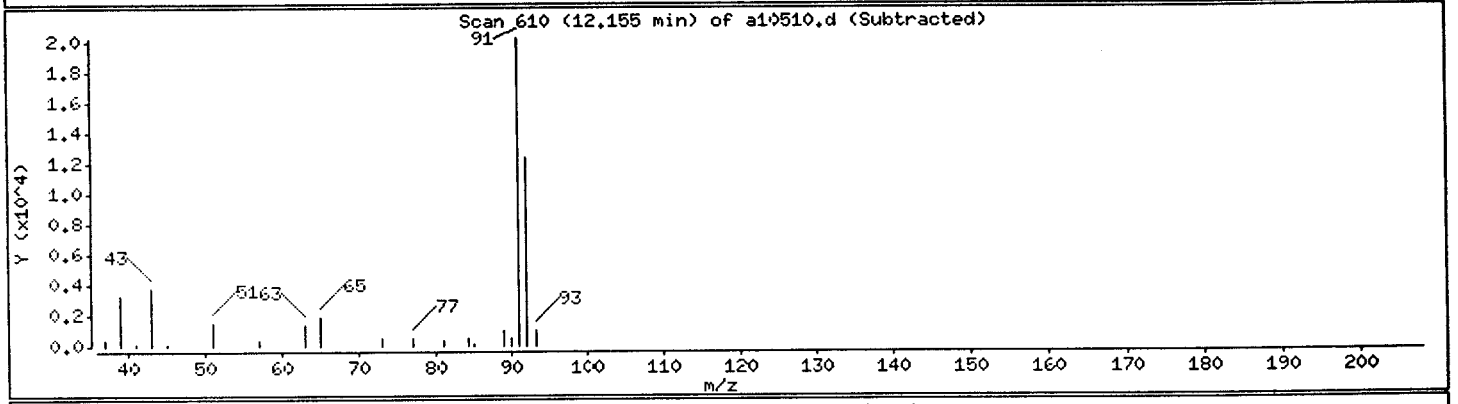
Column phase: DB624

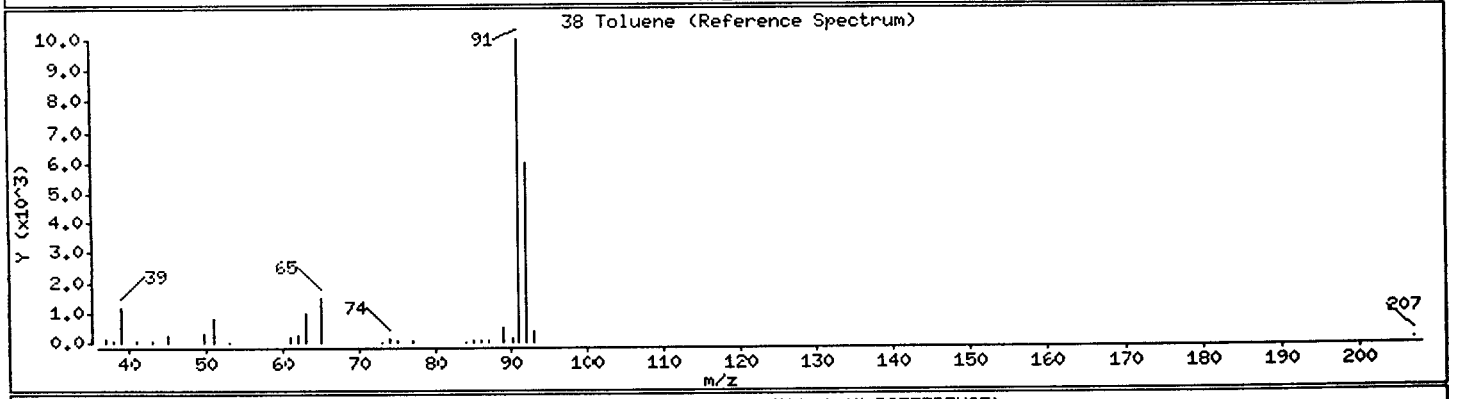
Column diameter: 0.53

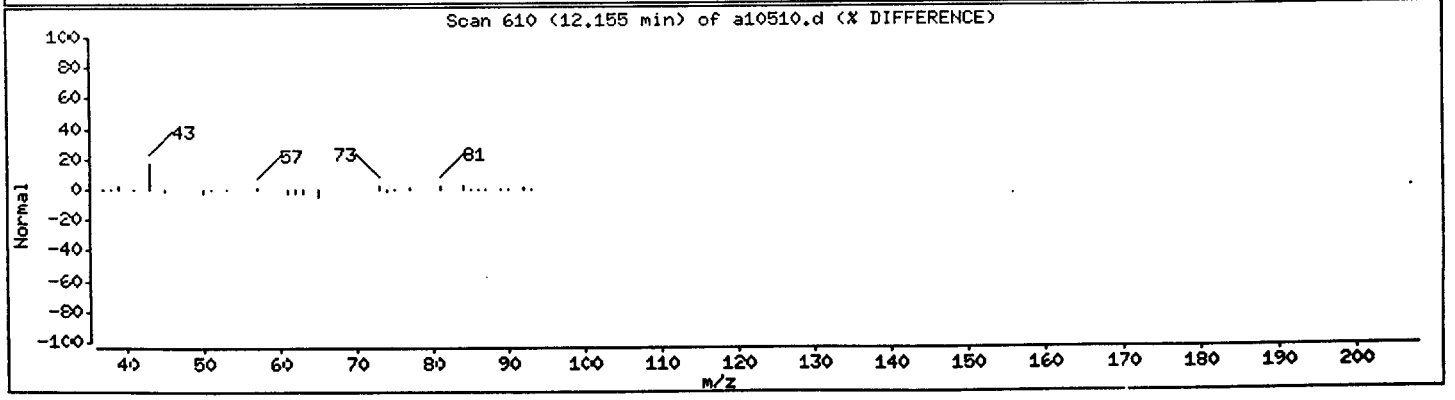
38 Toluene

Concentration: 7.2 ug/Kg









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Client ID: RC-2_3rd_Flr

Instrument: VOAMS1.i

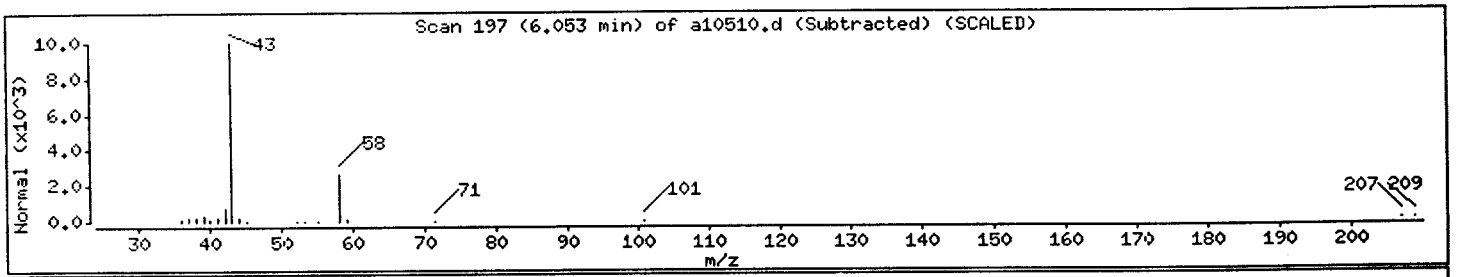
Sample Info: 237826;;4.2;5.03;5

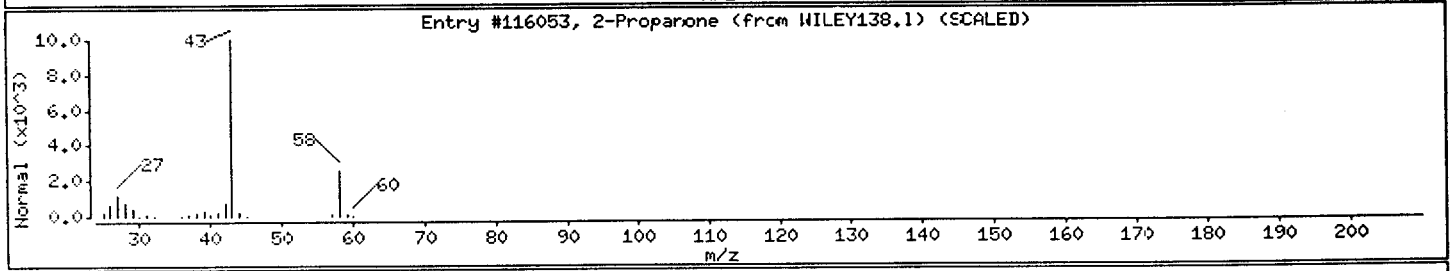
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Propanone	67-64-1	WILEY138.l	116053	72	C3H6O	58





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Date : 31-OCT-2000 15:41

Client ID: RC-2_3rd_Flr

Instrument: VOAMS1.i

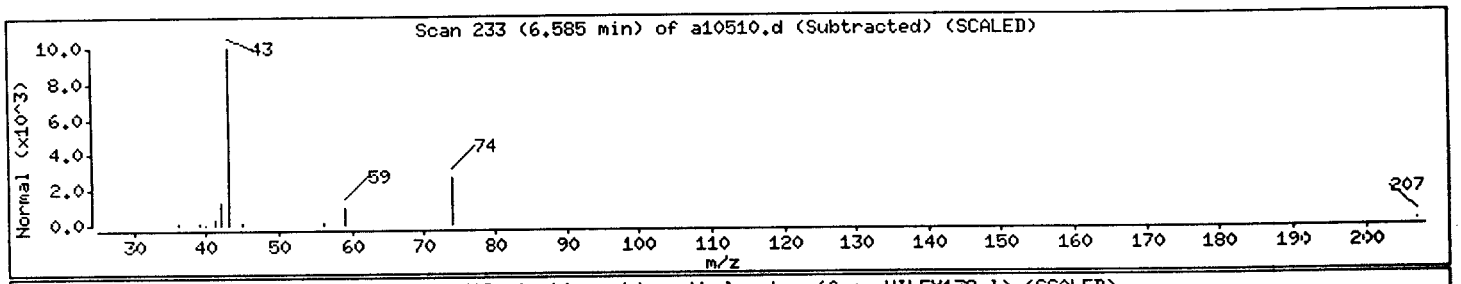
Sample Info: 237826;;4.2;5.03;5

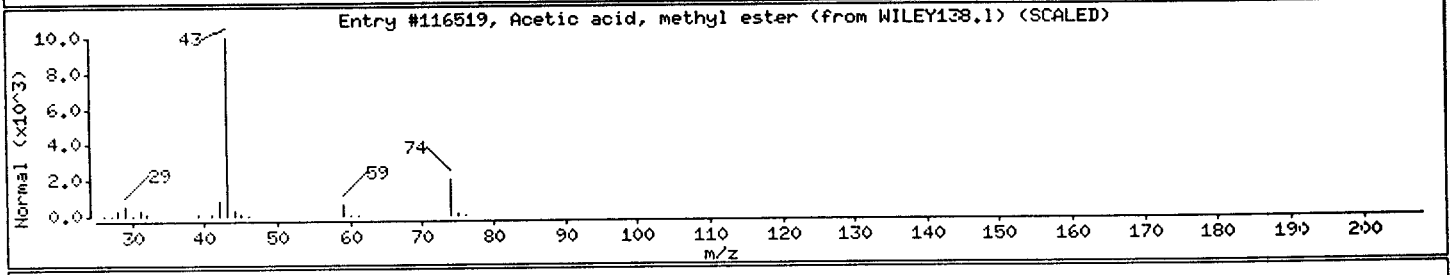
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Acetic acid, methyl ester	79-20-9	WILEY138.1	116519	64	C3H6O2	74
Unknown Organic Acid			0	0		0





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Client ID: RC-2_3rd_Flr

Instrument: VOAMS1.i

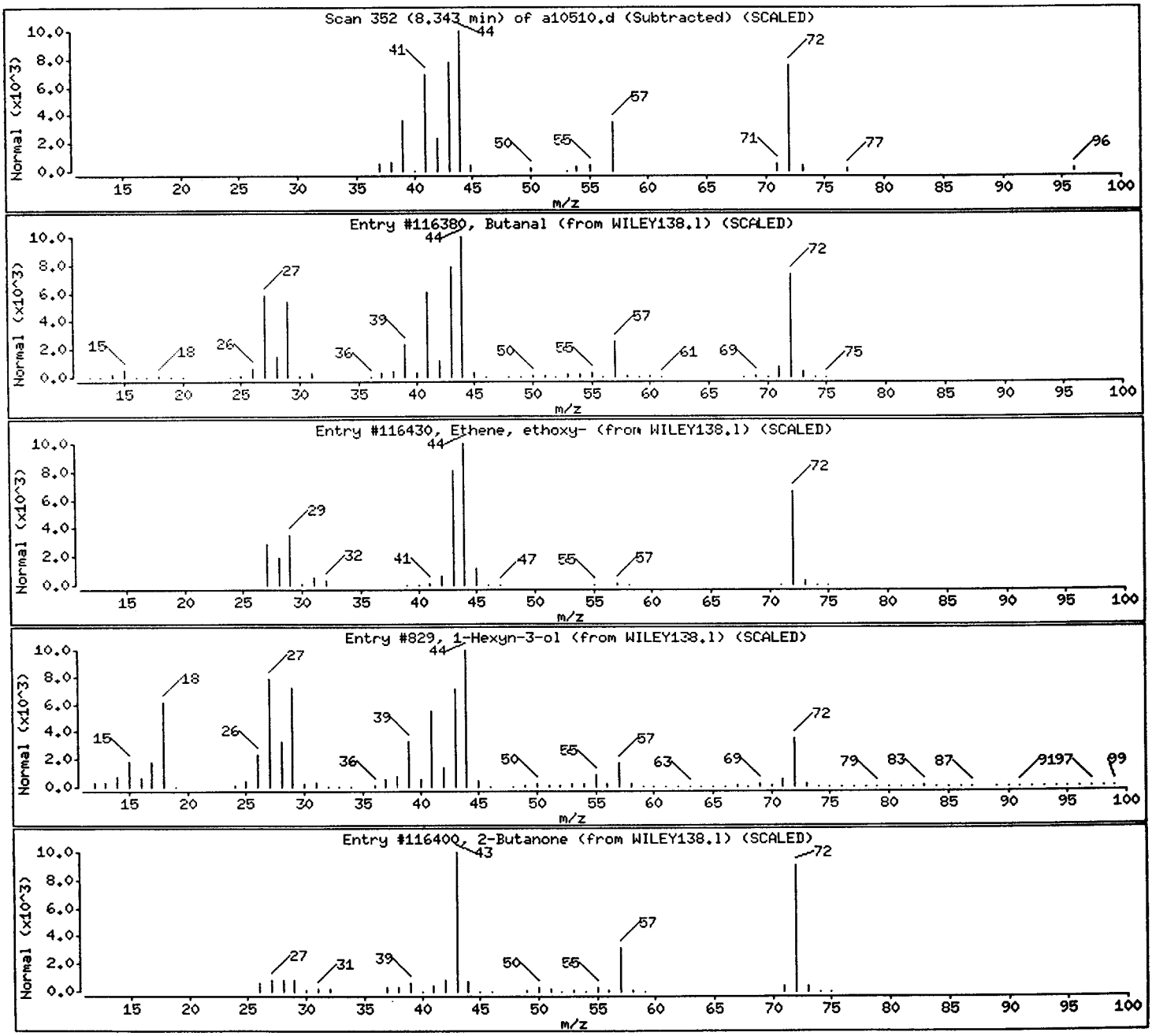
Sample Info: 237826;;4.2;5.03;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Butanal	123-72-8	WILEY138.1	116380	86	C4H8O	72
Ethene, ethoxy-	109-92-2	WILEY138.1	116430	72	C4H8O	72
1-Hexyn-3-ol	105-31-7	WILEY138.1	829	56	C6H10O	98
2-Butanone	78-93-3	WILEY138.1	116400	43	C4H8O	72



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Client ID: RC-2_3rd_Flr

Instrument: VOAMS1.i

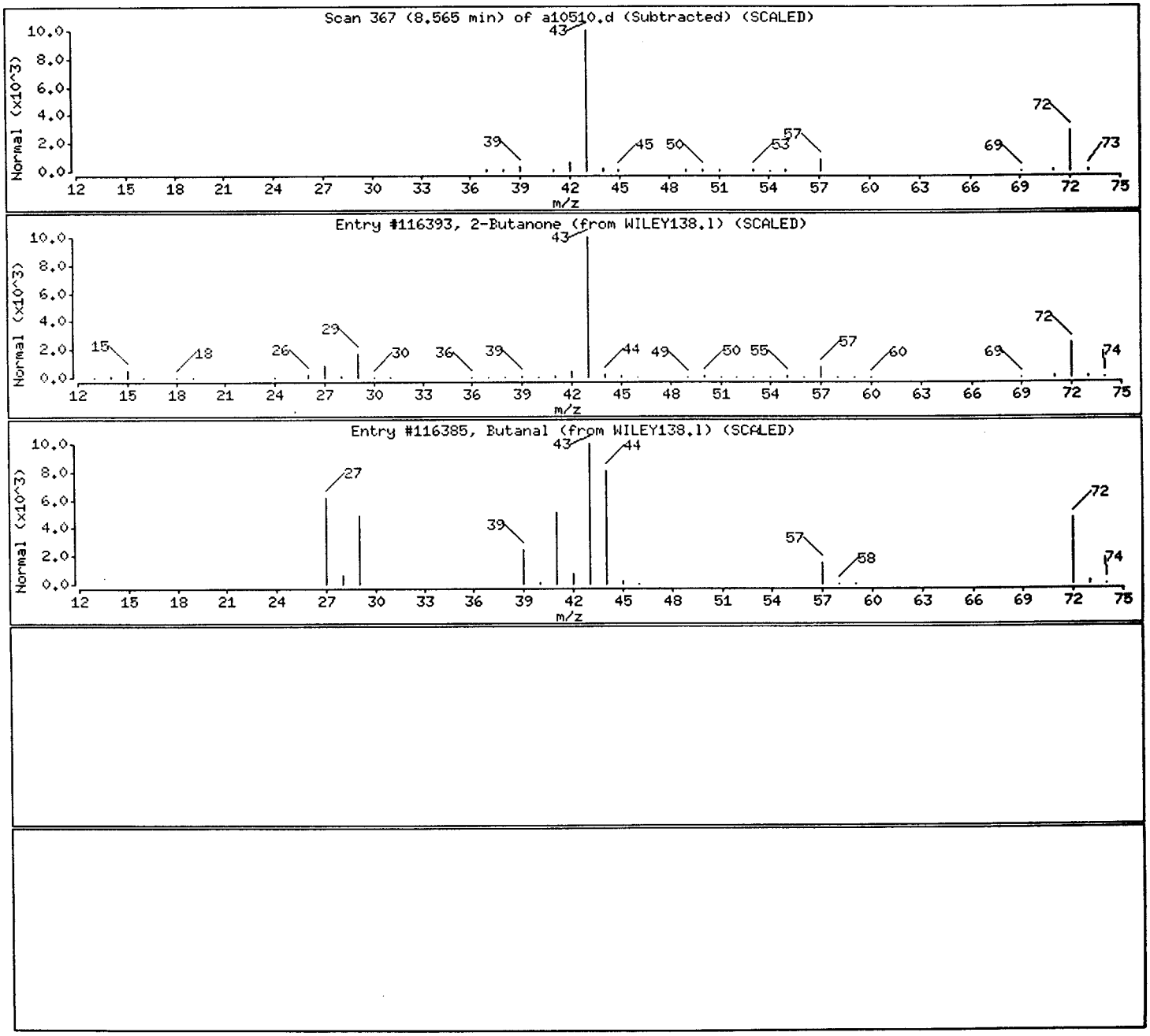
Sample Info: 237826;;4.2;5.03;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Butanone	78-93-3	WILEY138.l	116393	64	C4H8O	72
Butanal	123-72-8	WILEY138.l	116385	42	C4H8O	72



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Client ID: RC-2_3rd_Flr

Instrument: VOAMS1.i

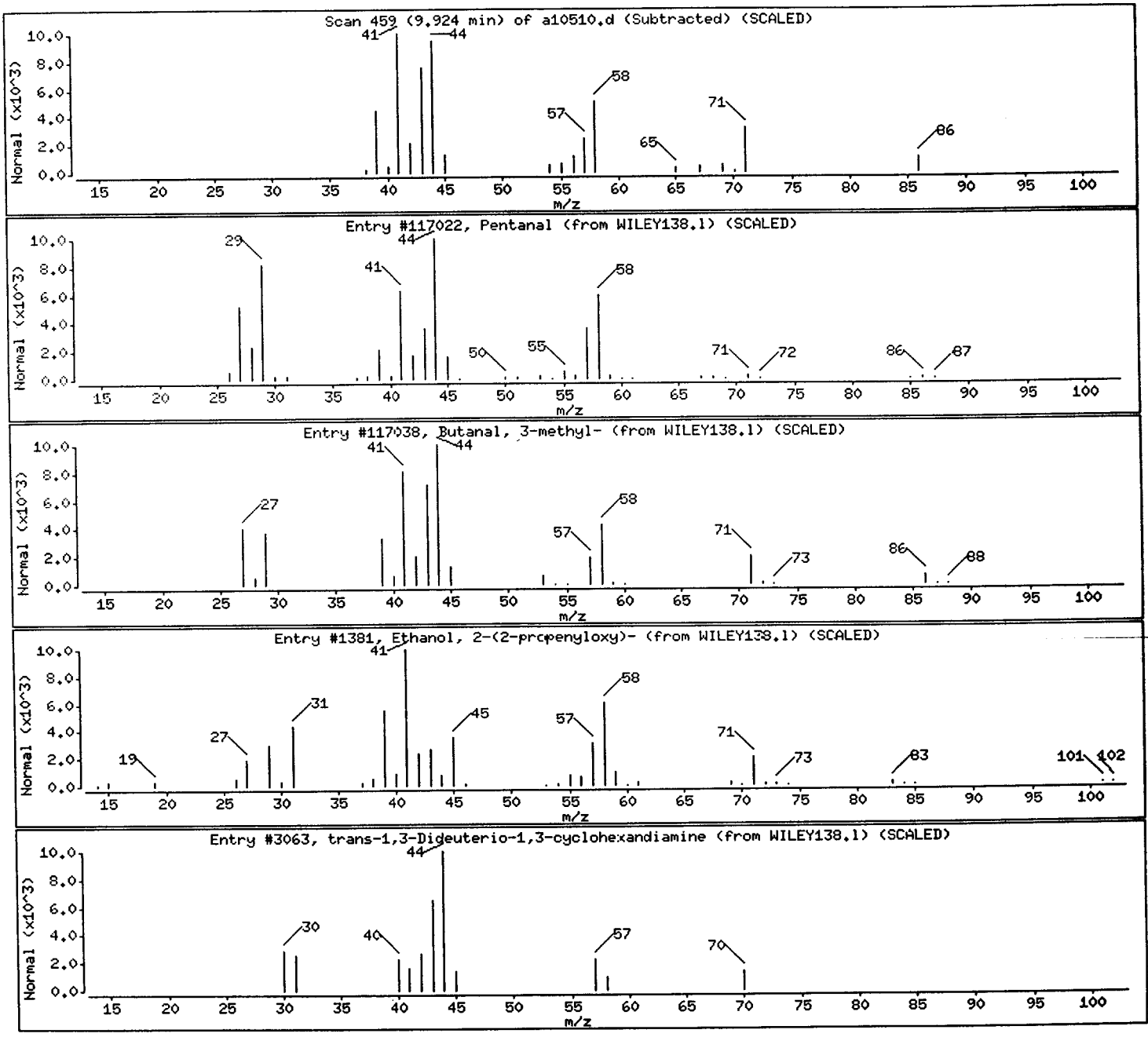
Sample Info: 237826;;4.2;5.03;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pentanal	110-62-3	WILEY138.l	117022	25	C5H10O	86
C5H10O Ketone	590-86-3	WILEY138.l	117038	91	C5H10O	86
Ethanol, 2-(2-propenyloxy)-	111-45-5	WILEY138.l	1381	23	C5H10O2	102
trans-1,3-Dideuterio-1,3-cyclohexandiami	70795-42-5	WILEY138.l	3063	23	C6H12D2N2	114



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Instrument: VOAMS1.i

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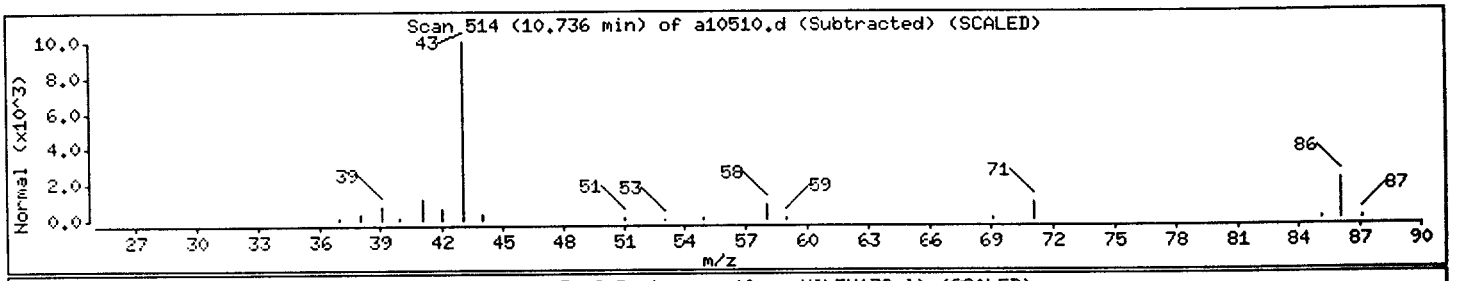
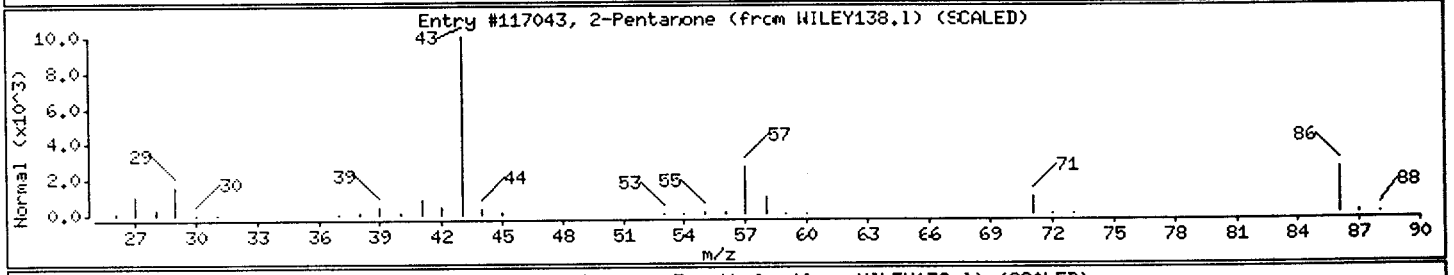
Operator: VOAMS 8

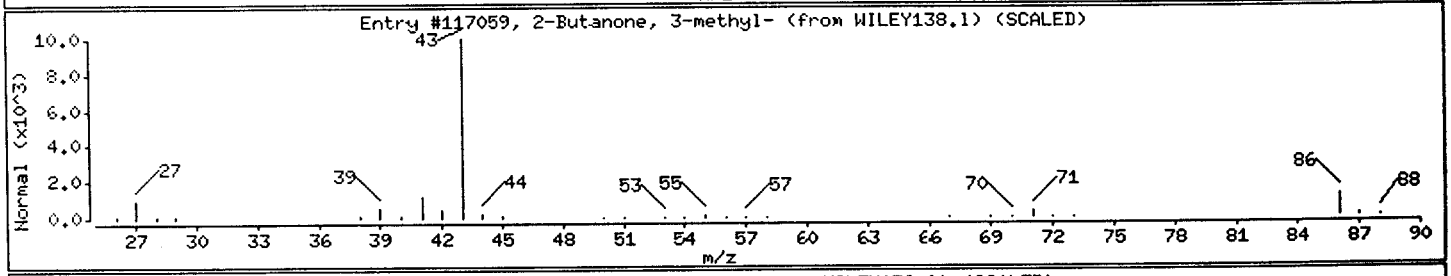
Column phase: DB624

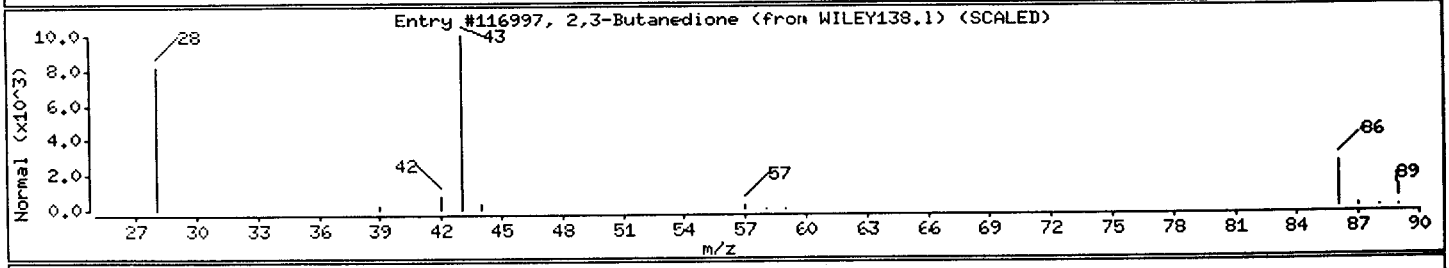
Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C5H10O Ketone						
2-Pentanone	107-87-9	WILEY138.1	117043	86	C5H10O	86
2-Butanone, 3-methyl-	563-80-4	WILEY138.1	117059	64	C5H10O	86
2,3-Butanedione	431-03-8	WILEY138.1	116997	53	C4H6O2	86
Unknown Ketone			0	0		0









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Instrument: VOAMS1.i

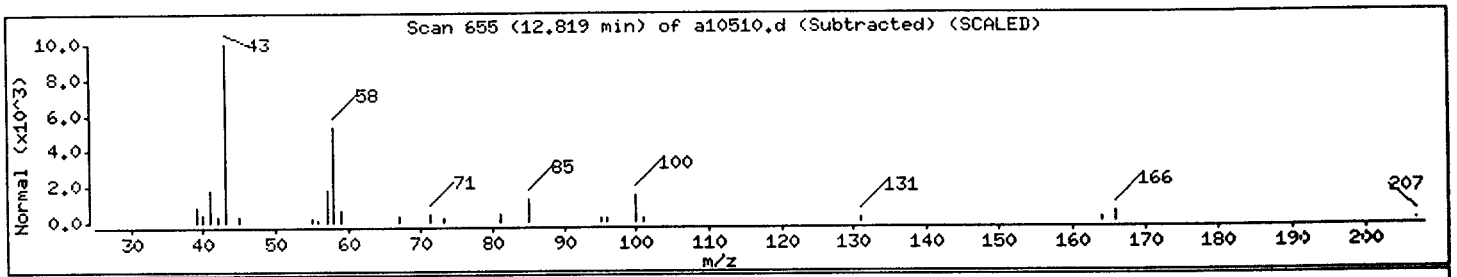
Sample Info: 237826;;4.2;5.03;5

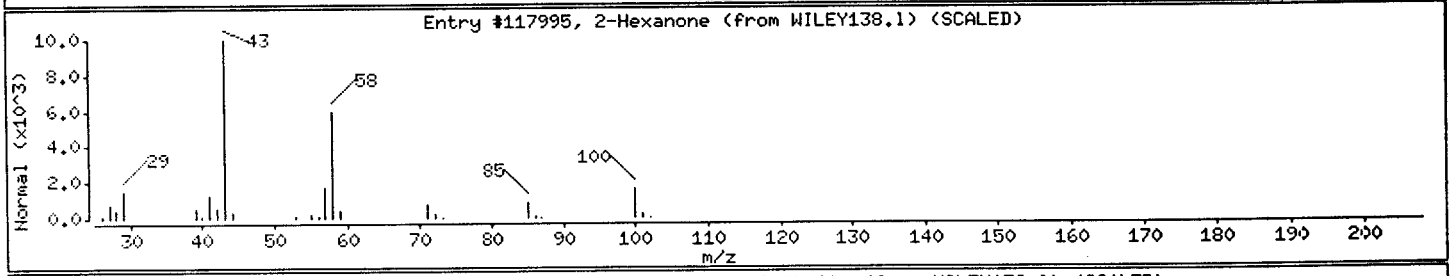
Operator: VOAMS 8

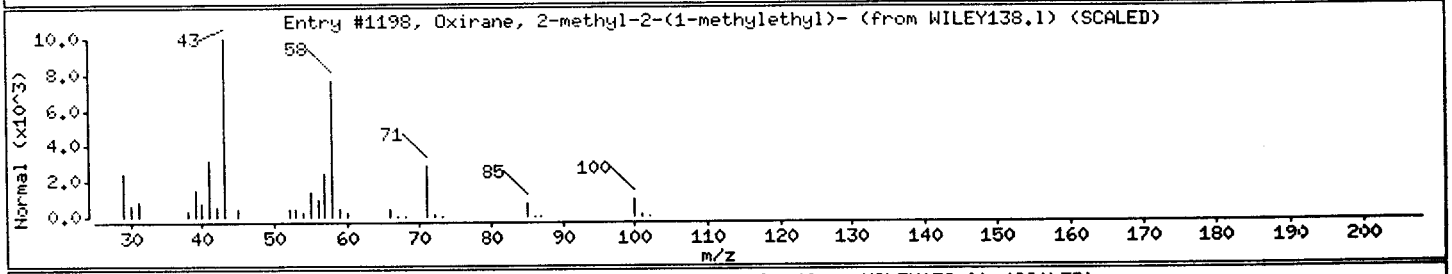
Column phase: DB624

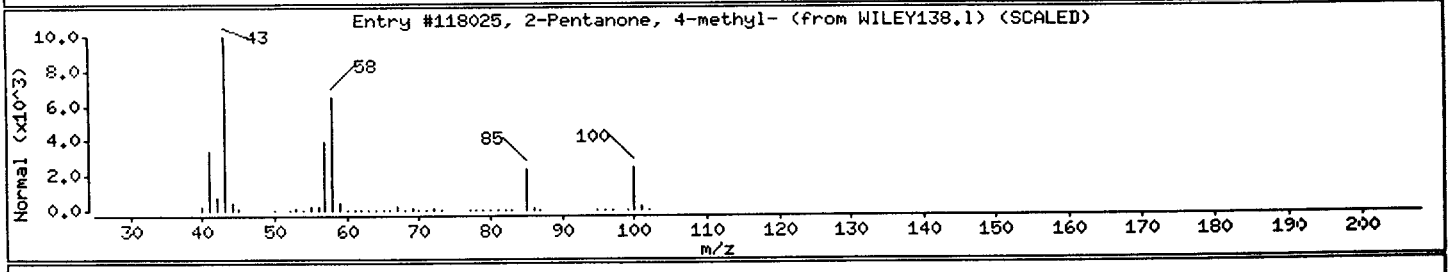
Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Hexanone	591-78-6	WILEY138.l	117995	86	C6H12O	100
Oxirane, 2-methyl-2-(1-methylethyl)-	72221-03-5	WILEY138.l	1198	64	C6H12O	100
2-Pentanone, 4-methyl-	108-10-1	WILEY138.l	118025	64	C6H12O	100









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10510.d

Date : 31-OCT-2000 15:41

Client ID: RC-2_3rd_Flr

Instrument: VOAMS1.i

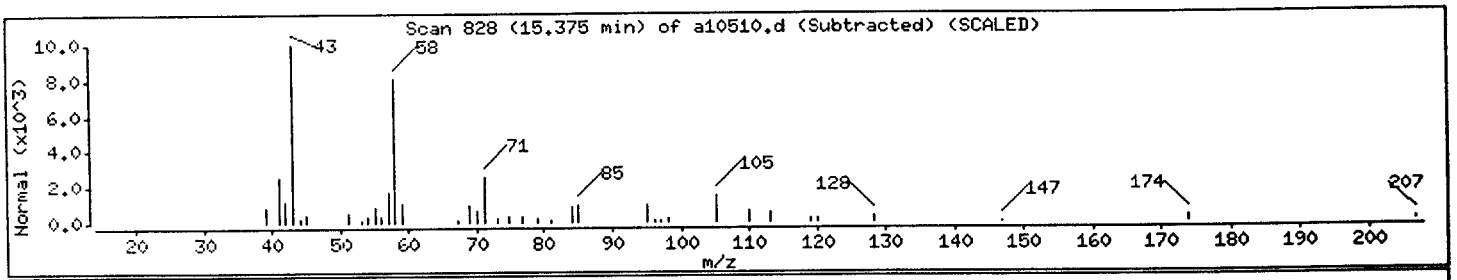
Sample Info: 237826;;4.2;5.03;5

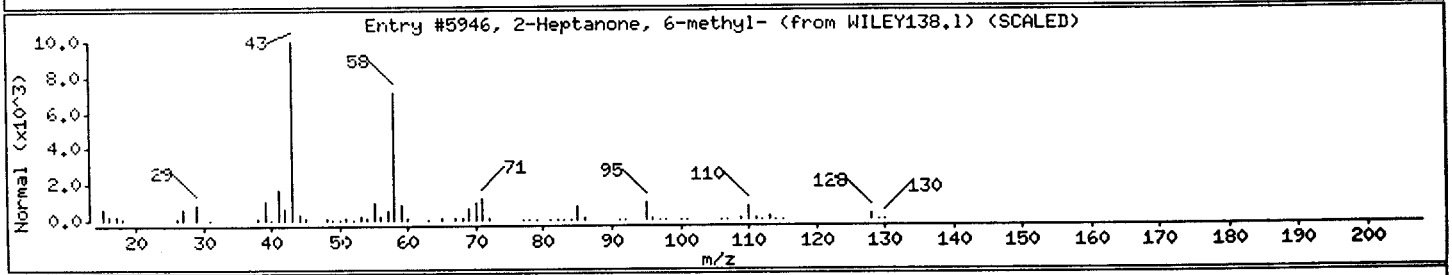
Operator: VOAMS 8

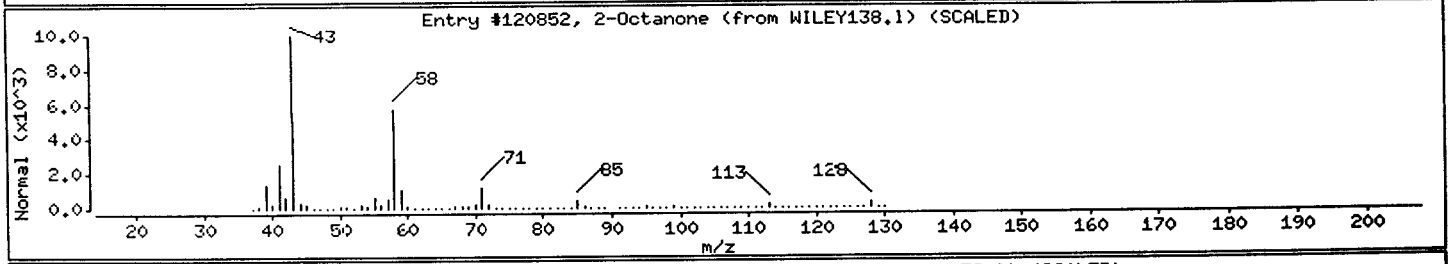
Column phase: DB624

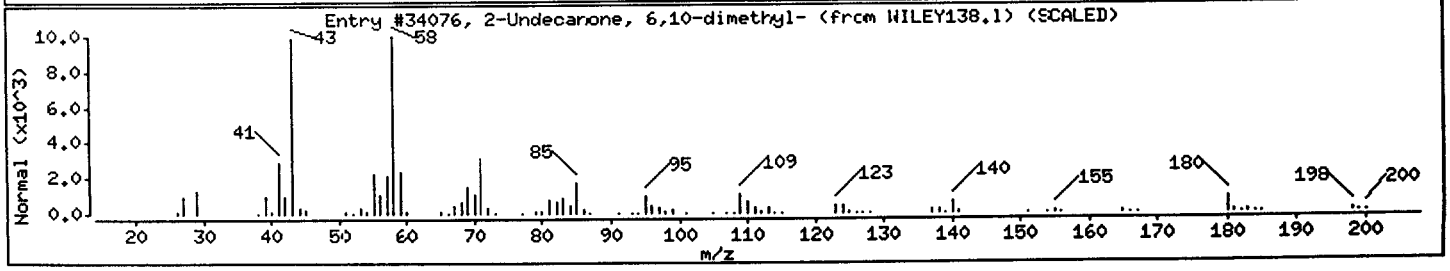
Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C8H160 Ketone						
Unknown Ketone			0	0		0
2-Heptanone, 6-methyl-	928-68-7	WILEY138.1	5946	72	C8H160	128
2-Octanone	111-13-7	WILEY138.1	120852	50	C8H160	128
2-Undecanone, 6,10-dimethyl-	1604-34-8	WILEY138.1	34076	50	C13H260	198









Client ID: **RC-3_3rd_Flr**
Site: Rexam DSI

Lab Sample No: **237827**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10511.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.4 g
Purge Volume: 5.0 ml
% Moisture: 7

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	1.4JB	3.0
Trichlorofluoromethane	5.9	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	0.6J	5.0
1,2-Dichloroethane	ND	2.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
2-Chloroethyl Vinyl Ether	ND	5.0
Bromoform	ND	4.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	2.6J	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Xylene (Total)	ND	5.0

Client ID: **RC-3_3rd_Flr**
Site: Rexam DSI

Lab Sample No: **237827**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10511.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.4 g
Purge Volume: 5.0 ml
% Moisture: 6.8

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. 2-Propanone	6.08	5.4	
2. Unknown Alkane/C9H12 Aromatic	15.41	6.2	
3. Coeluting Unknowns	16.14	6.5	
4. Coeluting Unknowns	17.71	7.9	
5. 2,3-dihydro-methyl-1H-Indene isomer	18.04	13	
6. 2,3-dihydro-dimethyl-1H-Indene isomer	18.58	7.6	
7. Naphthalene	18.89	7.5	
8. Tetrahydromethylnaphthalene isomer	19.04	9.2	
9. Tetrahydromethylnaphthalene isomer	19.51	6.6	
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION: 70

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10511.d
Report Date: 01-Nov-2000 17:15

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10511.d
Lab Smp Id: 237827 Client Smp ID: RC-3_3rd_Flr
Inj Date : 31-OCT-2000 16:10
Operator : VOAMS 8 Inst ID: VOAMS1.i
Smp Info : 237827;;6.8;5.37;5
Misc Info : F104;1918;FM
Comment :
Method : /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/8260L_00.m
Meth Date : 31-Oct-2000 13:55 ken Quant Type: ISTD
Cal Date : 20-OCT-2000 18:54 Cal File: a10343.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.37000	Weight of sample extracted (g)
M	6.80000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	9 Trichlorofluoromethane	101	5.226	5.179	(0.516)	133532	5.91945	5.9
	6 Methylene Chloride	84	6.748	6.701	(0.666)	16430	1.43082	1.4(a)
	15 Chloroform	83	9.008	8.976	(0.889)	15657	0.63828	0.64(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	9.688	9.655	(0.956)	727078	72.1302	72(R)
*	19 Fluorobenzene	96	10.131	10.113	(1.000)	1690524	50.0000	
$	37 Toluene-d8 (SUR)	98	12.067	12.049	(0.877)	713089	68.8904	69(R)
	38 Toluene	91	12.170	12.137	(0.884)	31712	2.56848	2.6(a)
*	32 Chlorobenzene-d5	117	13.766	13.748	(1.000)	533955	50.0000	
$	41 Bromofluorobenzene (SUR)	174	15.051	15.033	(0.924)	245290	67.5793	68
*	91 1,4-Dichlorobenzene-d4	152	16.292	16.274	(1.000)	164734	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Confirmed by 10517.

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10511.d
Report Date: 01-Nov-2000 17:15

QC Flag Legend

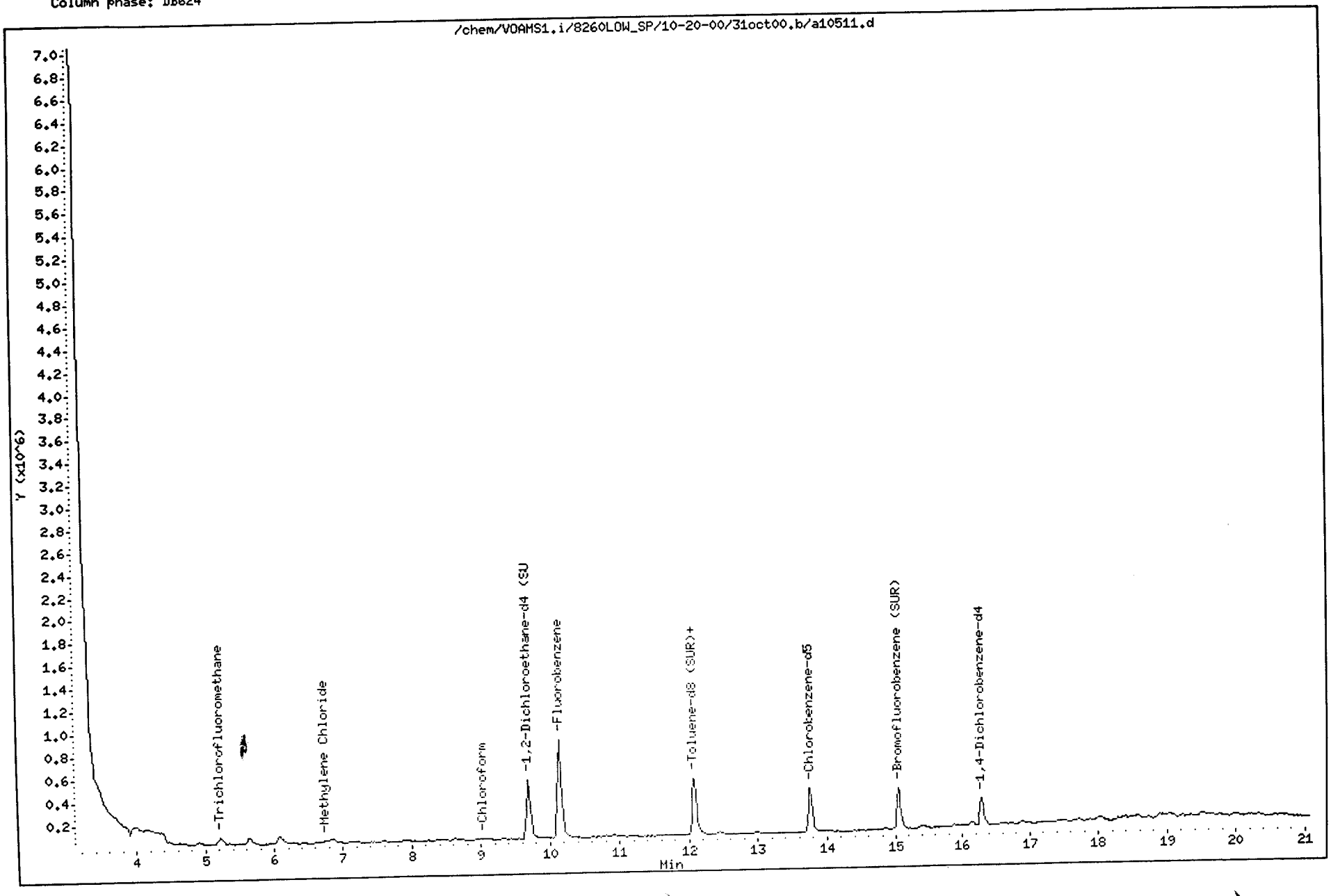
R - Spike/Surrogate failed recovery limits.

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10511.d
Date : 31-OCT-2000 16:10
Client ID: RC-3_3rd_Flr
Sample Info: 237827;;6.8;5.37;5

Column phase: DB624

Instrument: VOAMS1.i

Operator: VOAMS 8
Column diameter: 0.53



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10511.d

Date : 31-OCT-2000 16:10

Client ID: RC-3_3rd_Flr

Instrument: VOAMS1.i

Sample Info: 237827;;6.8;5.37;5

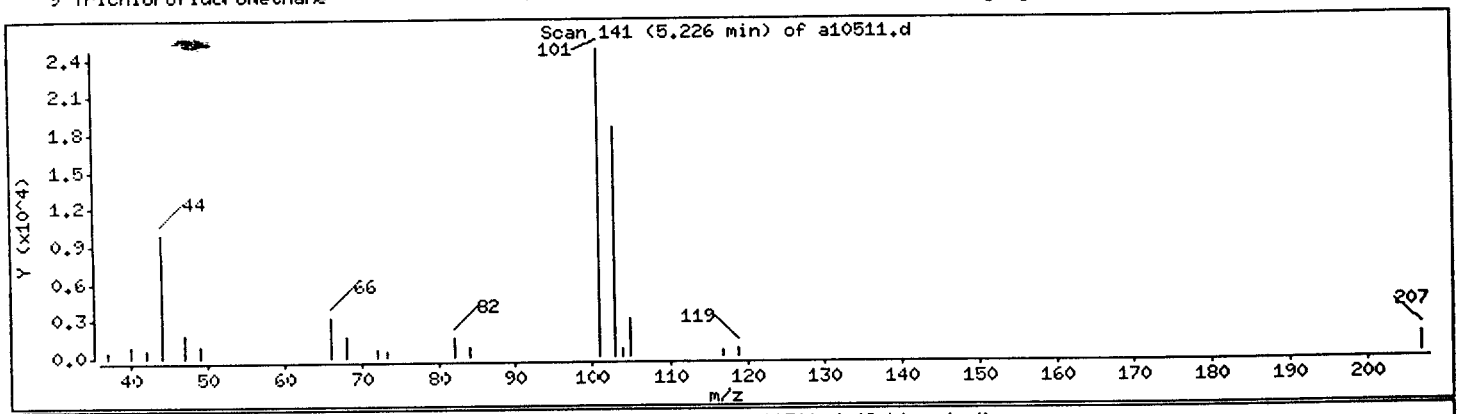
Operator: VOAMS 8

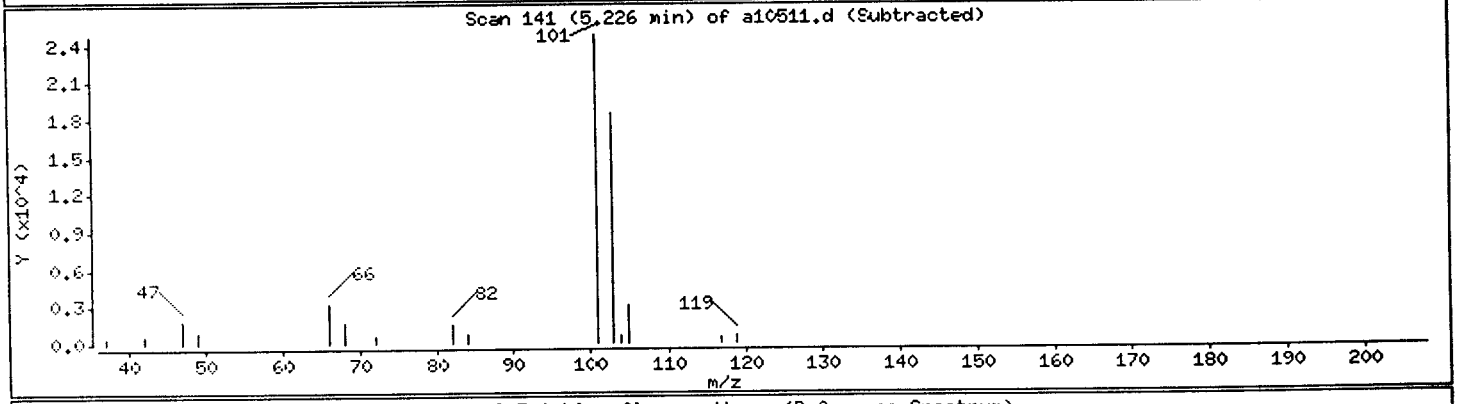
Column phase: DB624

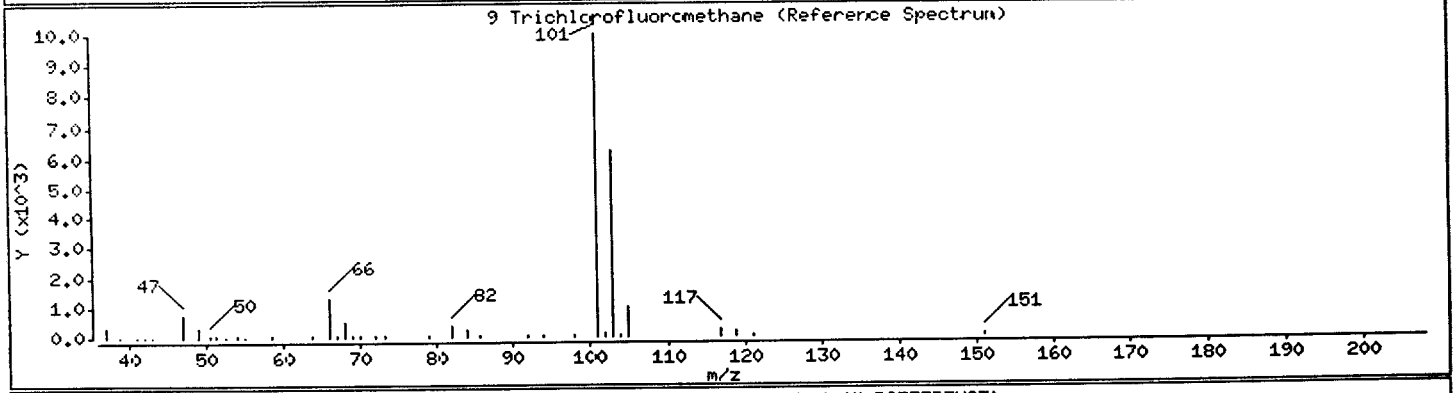
Column diameter: 0.53

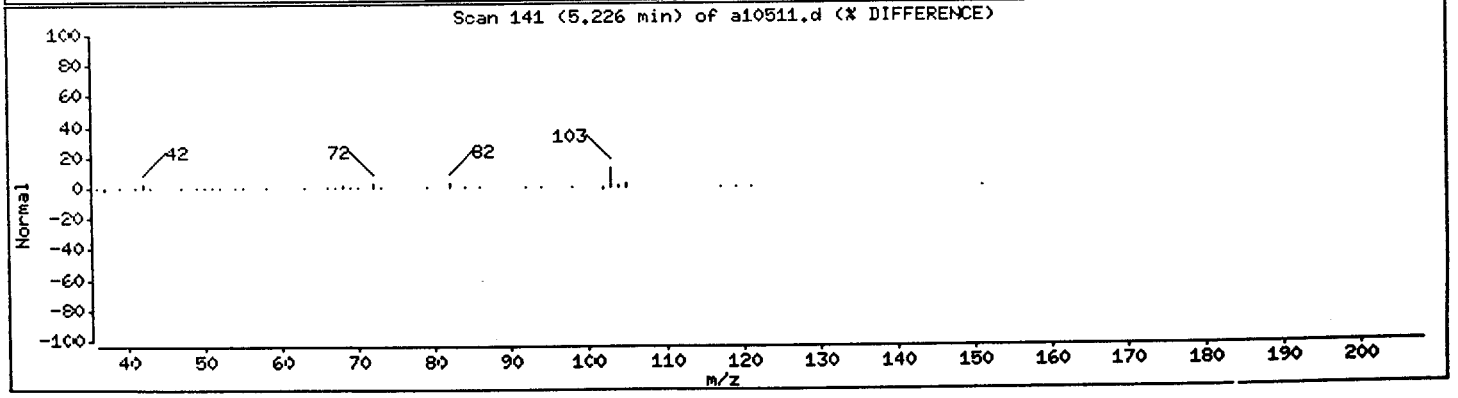
9 Trichlorofluoromethane

Concentration: 5.9 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10511.d

Date : 31-OCT-2000 16:10

Client ID: RC-3_3rd_Flr

Instrument: VOAMS1.i

Sample Info: 237827;;6.8;5.37;5

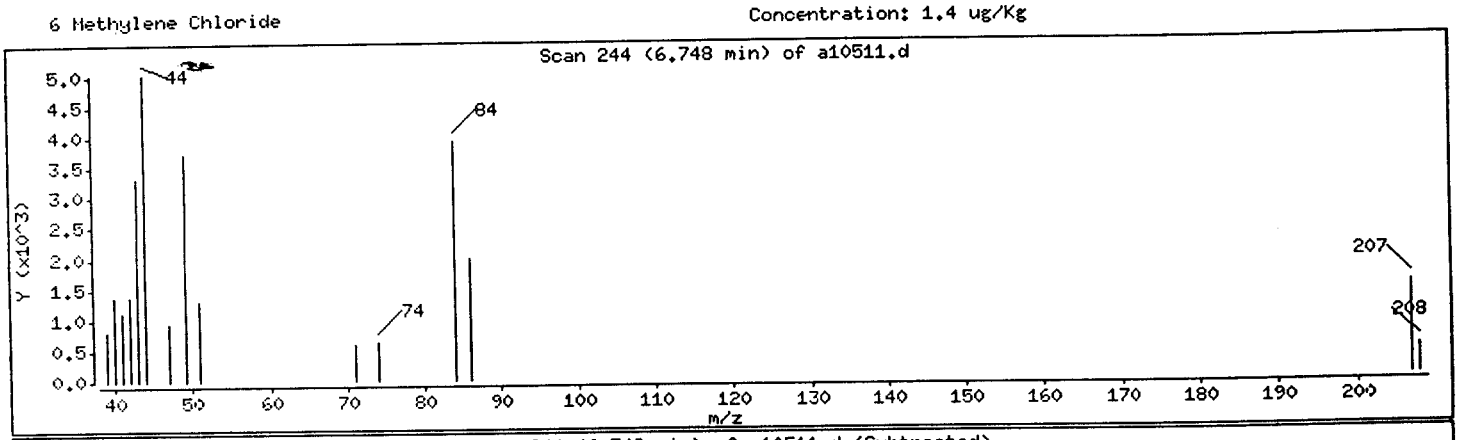
Operator: VOAMS 8

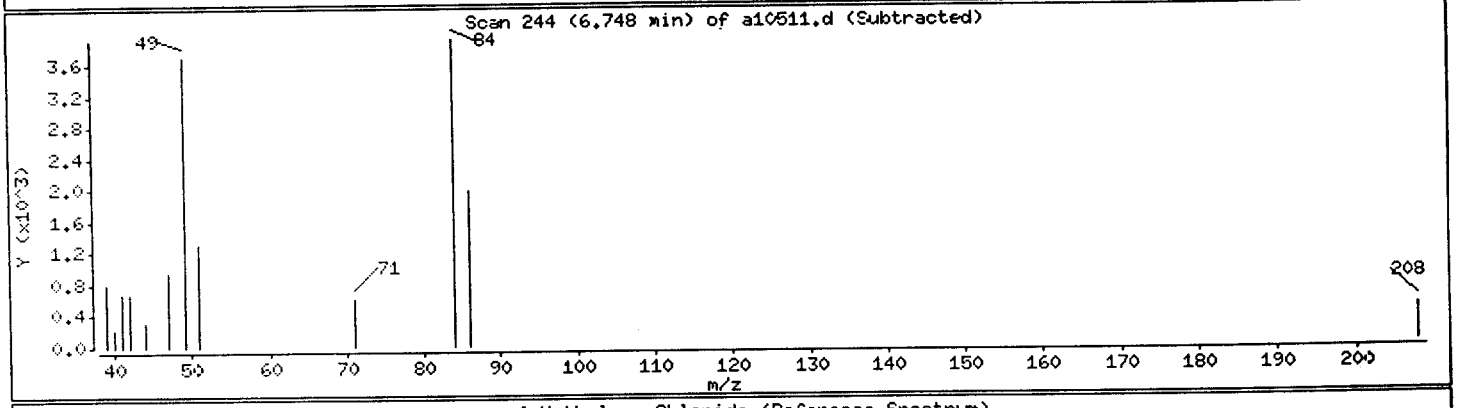
Column phase: DB624

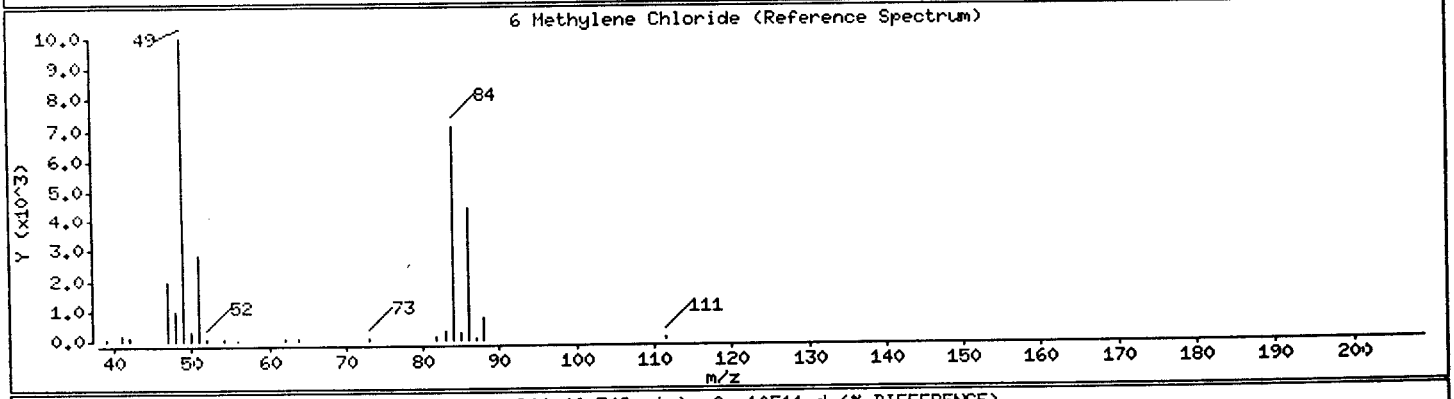
Column diameter: 0.53

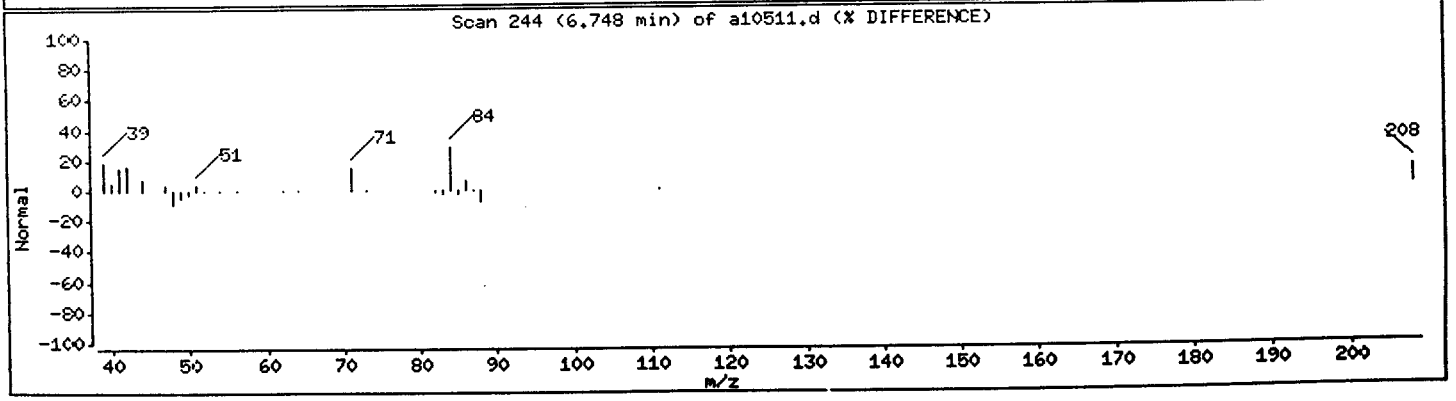
6 Methylene Chloride

Concentration: 1.4 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10511.d

Date : 31-OCT-2000 16:10

Client ID: RC-3_3rd_Flr

Instrument: VOAMS1.i

Sample Info: 237827;;6.8;5.37;5

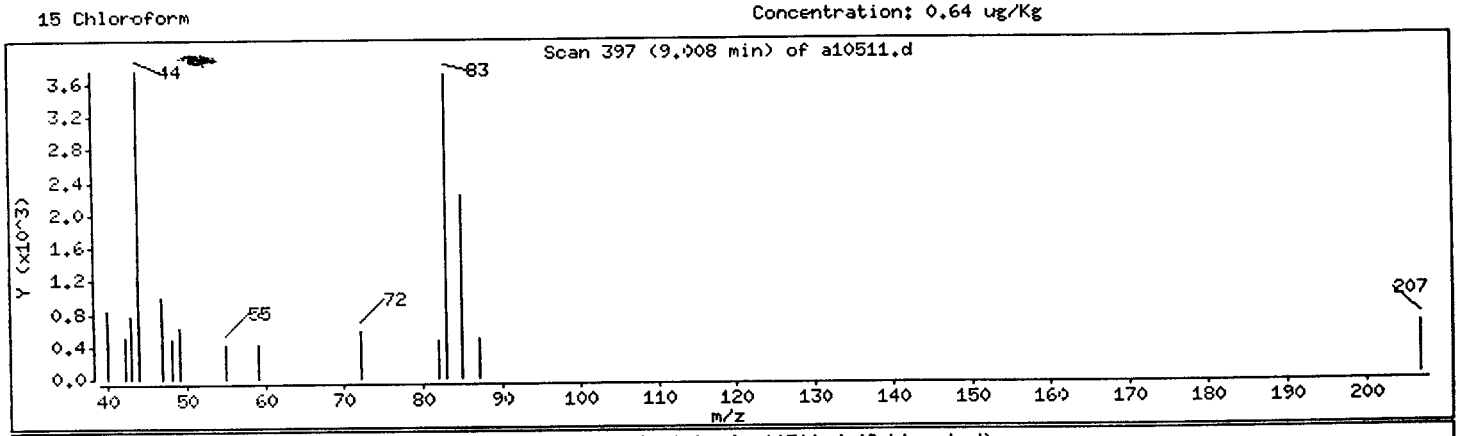
Operator: VOAMS 8

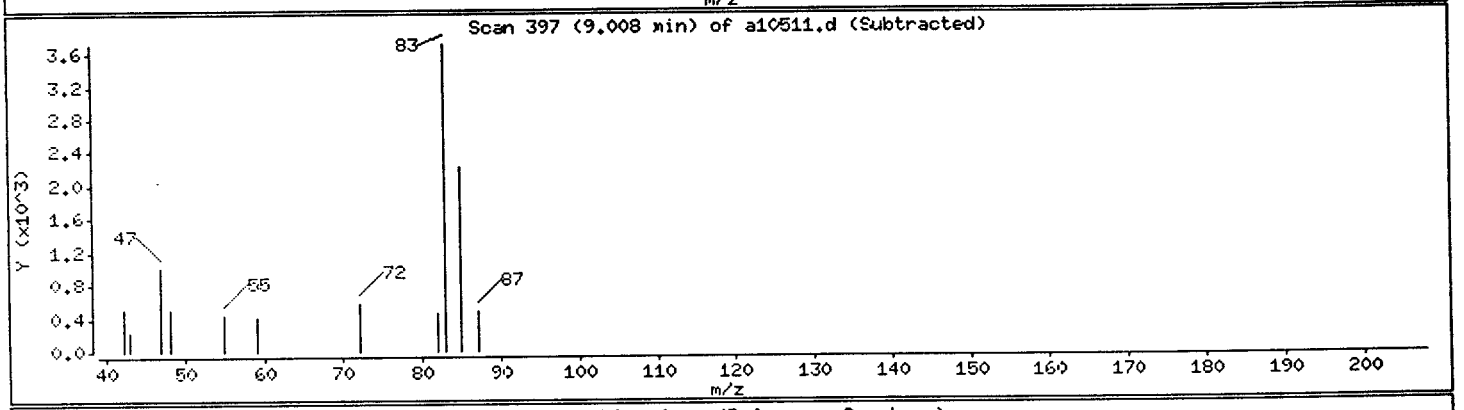
Column phase: DB624

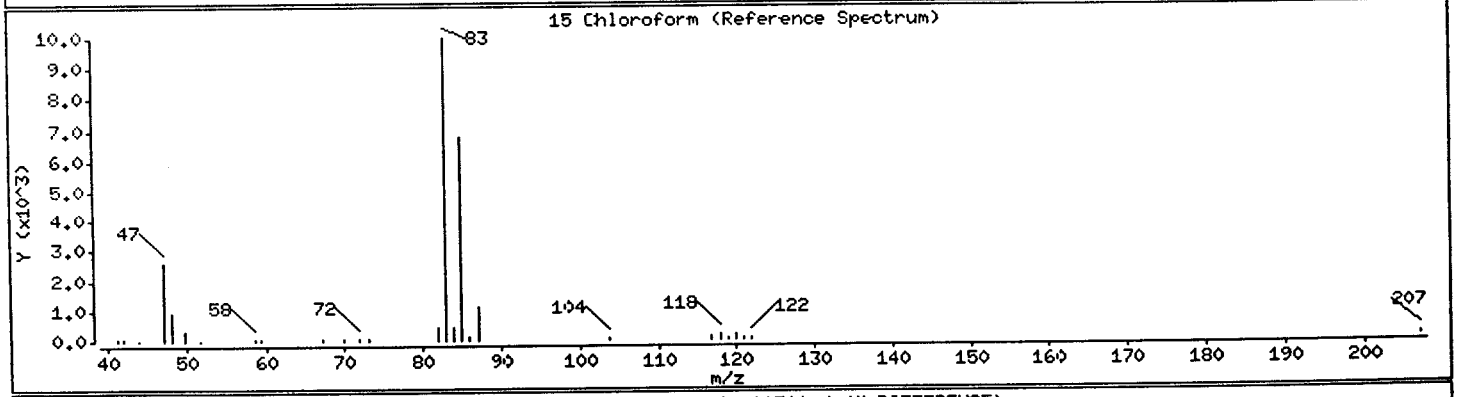
Column diameter: 0.53

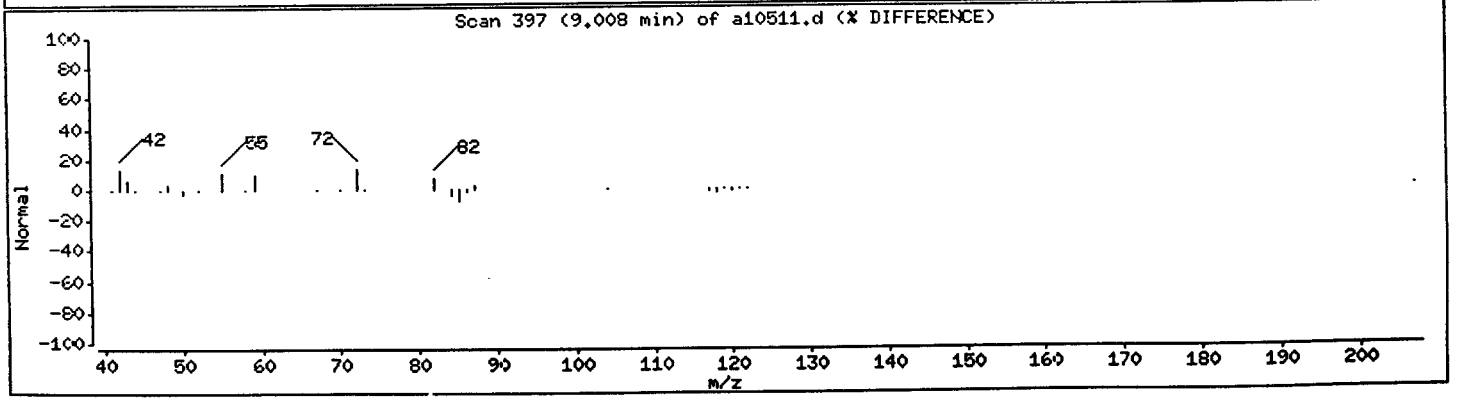
15 Chloroform

Concentration: 0.64 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10511.d

Date : 31-OCT-2000 16:10

Client ID: RC-3_3rd_Flr

Instrument: VOAMS1.i

Sample Info: 237827;;6.8;5.37;5

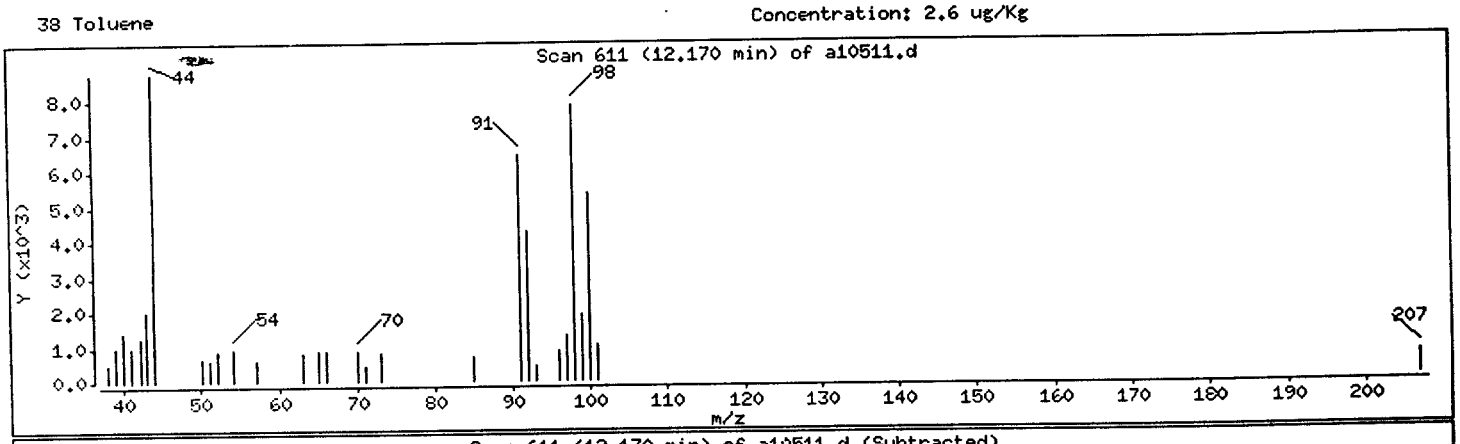
Operator: VOAMS 8

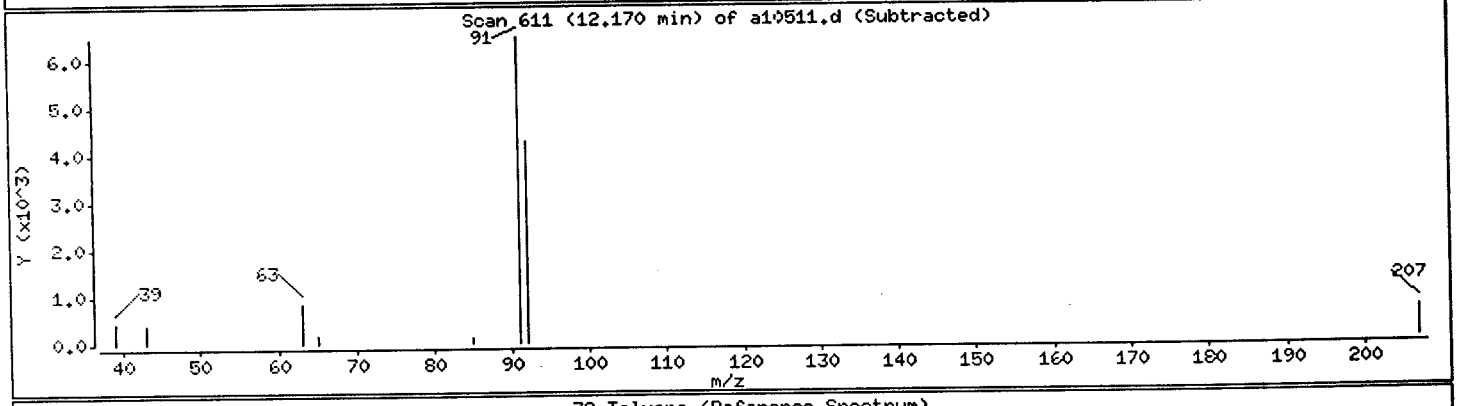
Column phase: DB624

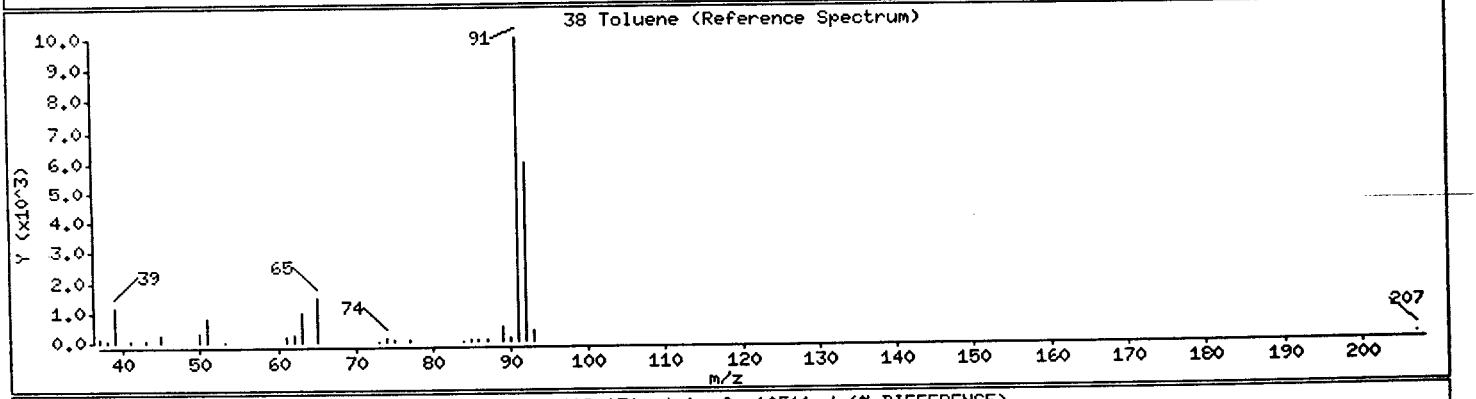
Column diameter: 0.53

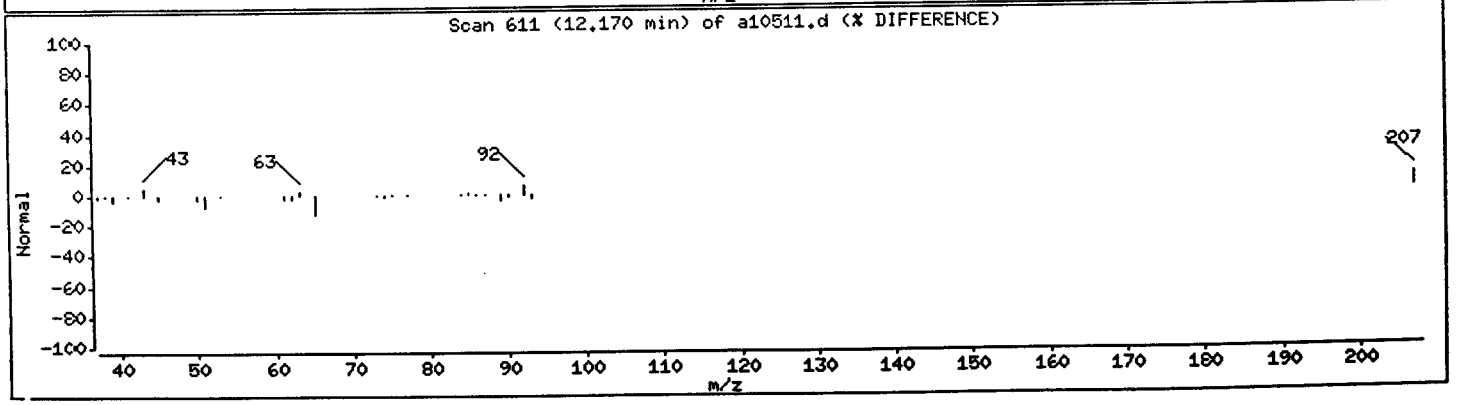
38 Toluene

Concentration: 2.6 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10511.d

Date : 31-OCT-2000 16:10

Client ID: RC-3_3rd_Flr

Instrument: VOAMS1.i

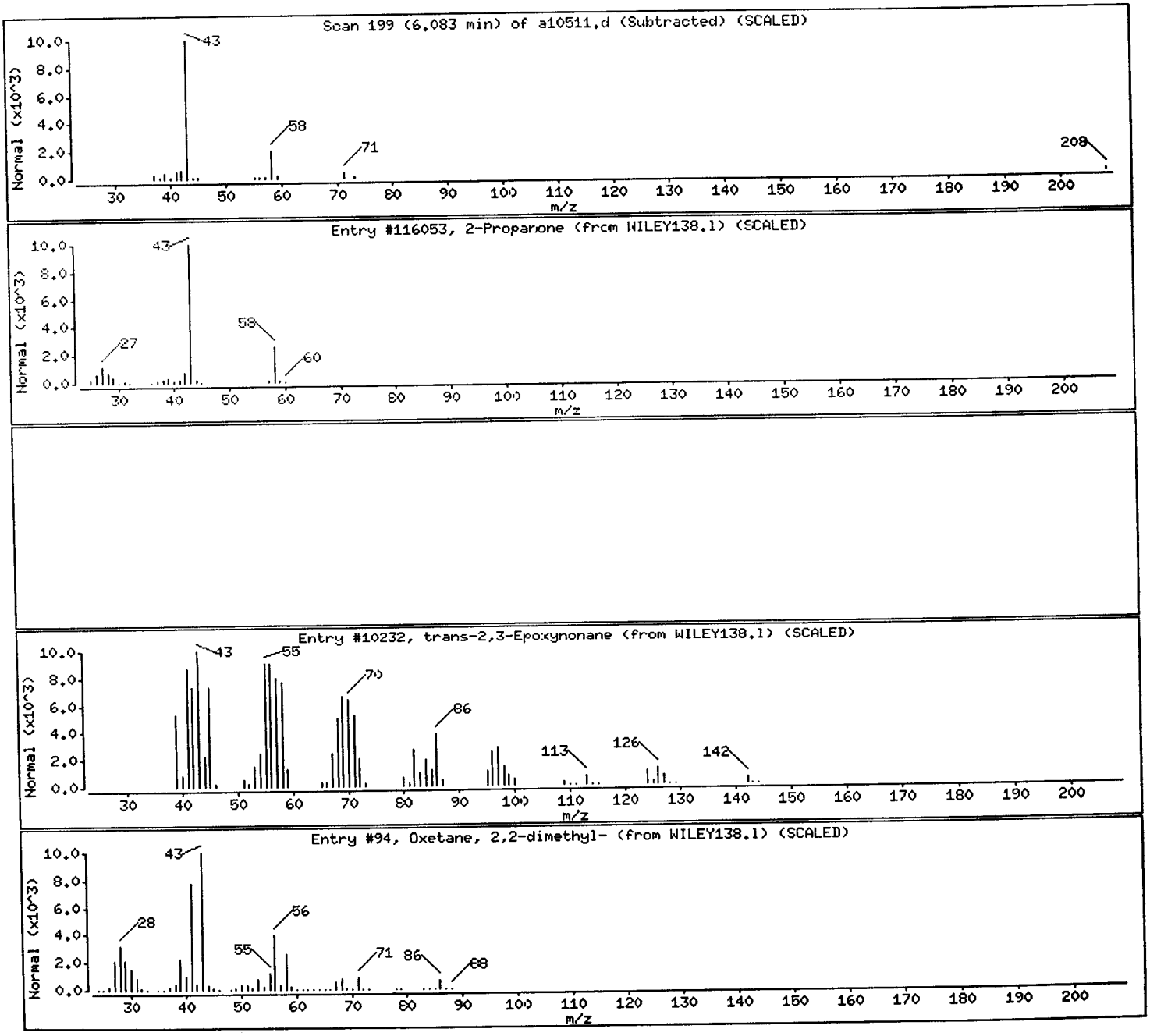
Sample Info: 237827;;6.8;5.37;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Propanone	67-64-1	WILEY138.l	116053	9	C3H6O	58
Unknown			0	0		0
trans-2,3-Epoxynonane	56820-01-0	WILEY138.l	10232	9	C9H18O	142
Oxetane, 2,2-dimethyl-	6245-99-4	WILEY138.l	94	9	C5H10O	86



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10511.d

Date : 31-OCT-2000 16:10

Client ID: RC-3_3rd_Flr

Instrument: VOAMS1.i

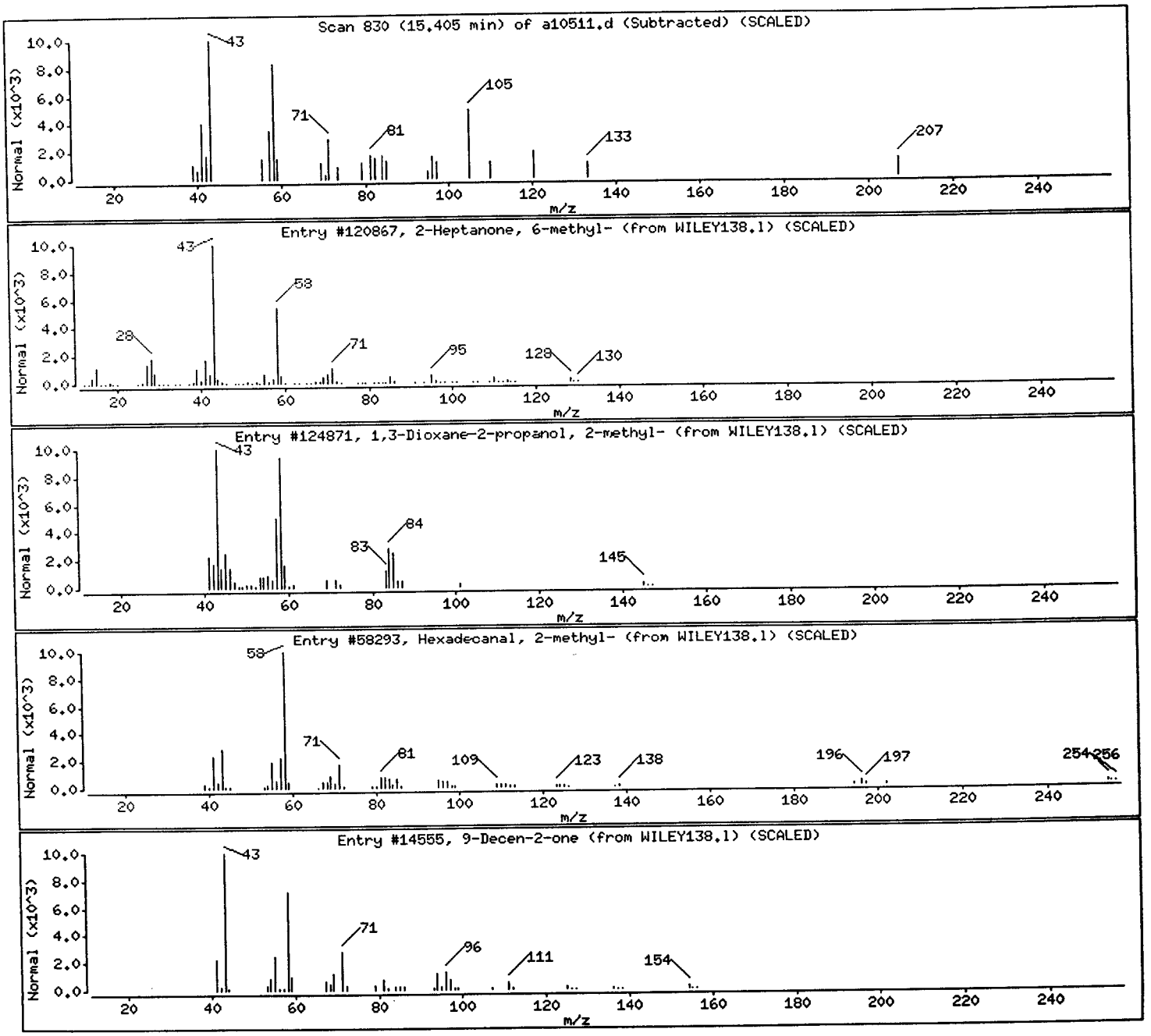
Sample Info: 237827;;6.8;5.37;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane/C9H12 Aromatic						
2-Heptanone, 6-methyl-	928-68-7	WILEY138.l	120867	43	C8H160	128
1,3-Dioxane-2-propanol, 2-methyl-	36651-31-7	WILEY138.l	124871	43	C8H1603	160
Hexadecanal, 2-methyl-	55019-46-0	WILEY138.l	58293	42	C17H340	254
9-Decen-2-one	35194-30-0	WILEY138.l	14555	38	C10H180	154



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10511.d

Date : 31-OCT-2000 16:10

Client ID: RC-3_3rd_Flr

Instrument: VOAMS1.i

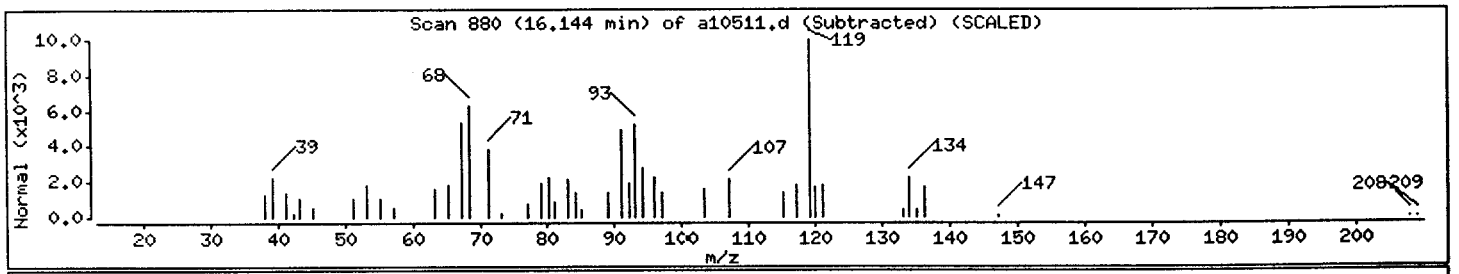
Sample Info: 237827;;6.8;5.37;5

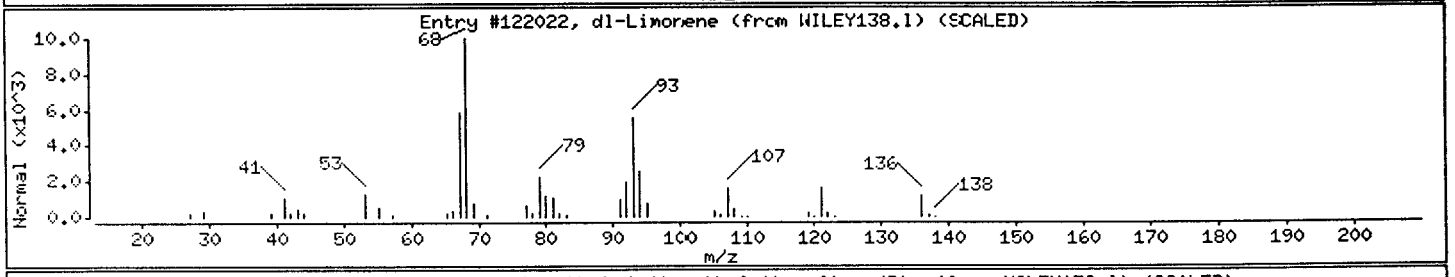
Operator: VOAMS 8

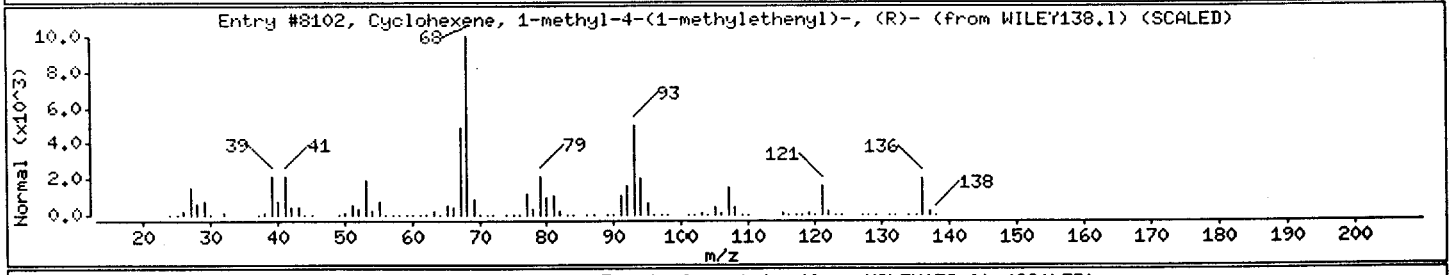
Column phase: DB624

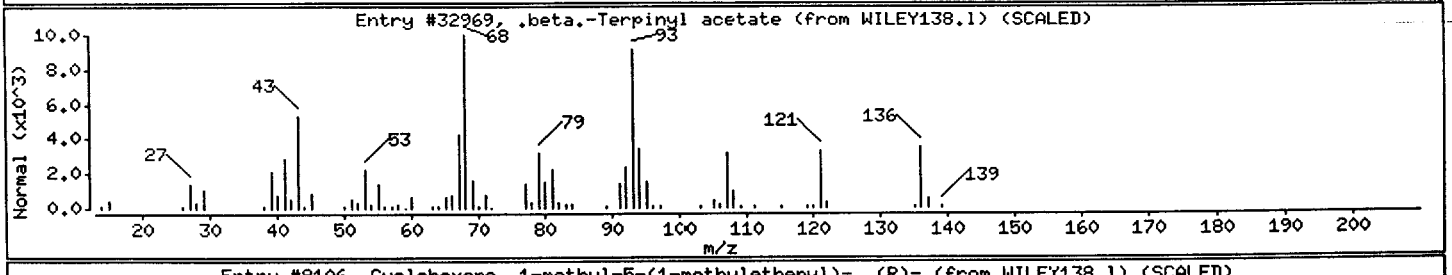
Column diameter: 0.53

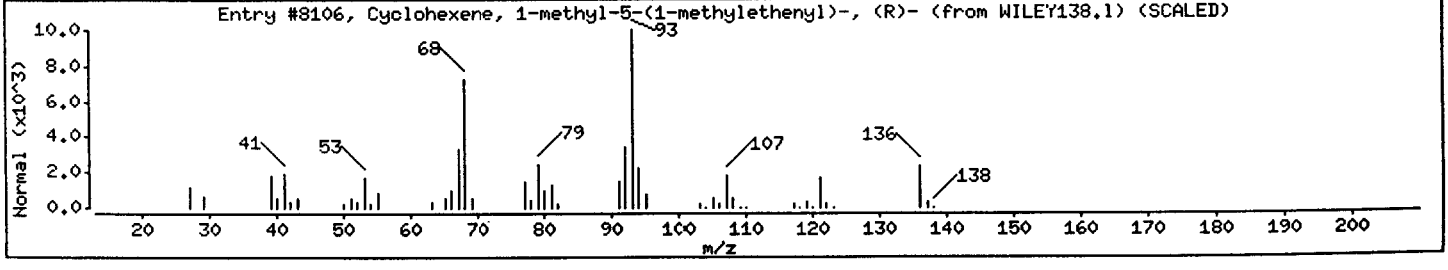
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Coeluting Unknowns						
dl-Limonene	138-86-3	WILEY138.l	122022	70	C10H16	136
Cyclohexene, 1-methyl-4-(1-methylethenyl	5989-27-5	WILEY138.l	8102	50	C10H16	136
.beta.-Terpinyl acetate	10198-23-9	WILEY138.l	32969	35	C12H20O2	196
Cyclohexene, 1-methyl-5-(1-methylethenyl	1461-27-4	WILEY138.l	8106	30	C10H16	136











Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10511.d

Date : 31-OCT-2000 16:10

Client ID: RC-3_3rd_Flr

Instrument: VOAMS1.i

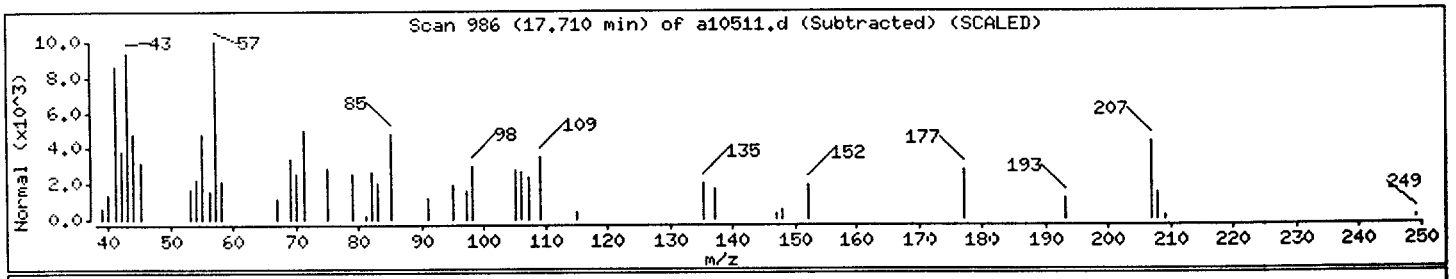
Sample Info: 237827;;6.8;5.37;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Coeluting Unknowns						
Unknown			0	0		0



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10511.d

Date : 31-OCT-2000 16:10

Client ID: RC-3_3rd_Flr

Instrument: VOAMS1.i

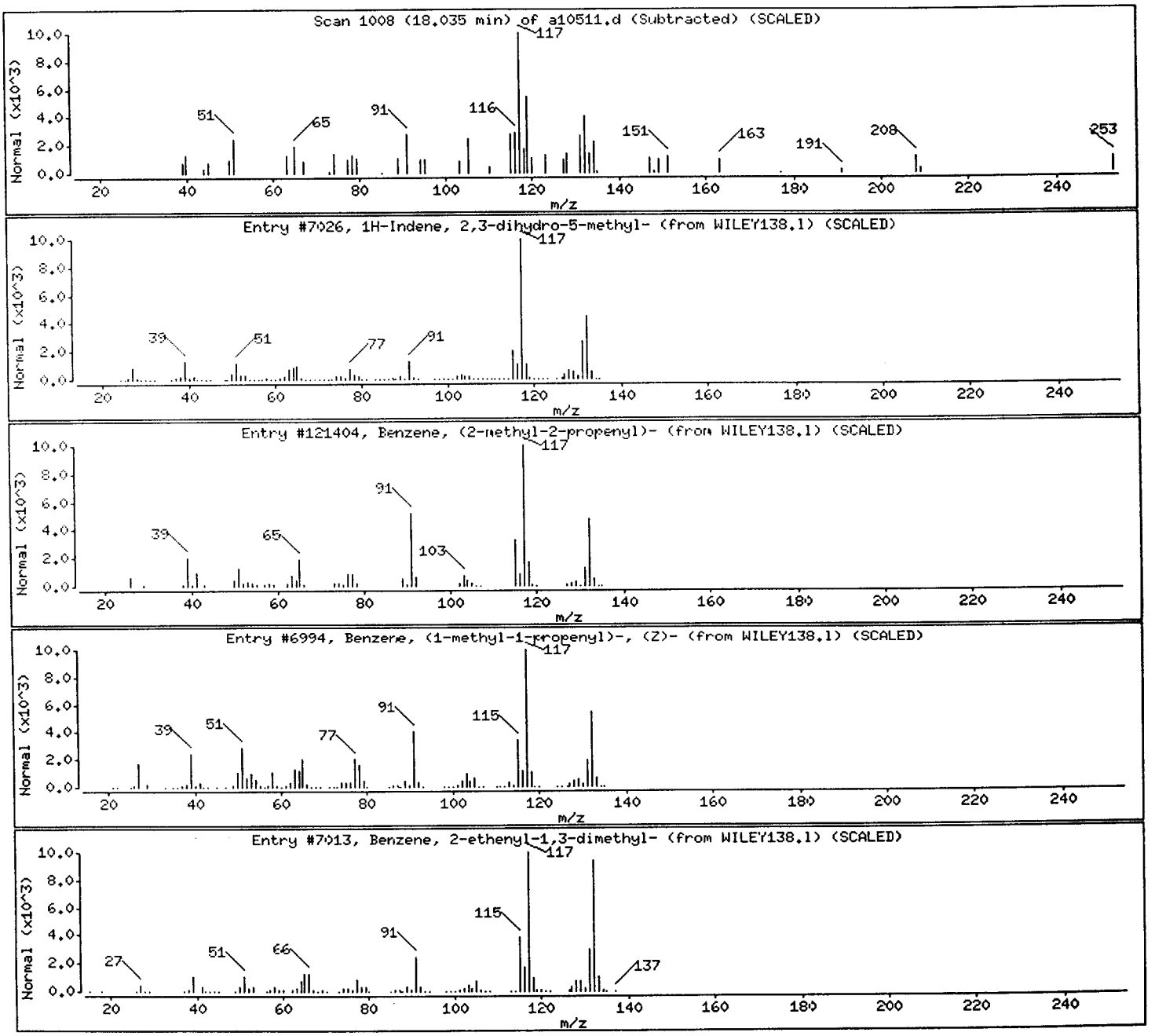
Sample Info: 237827;;6.8;5.37;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2,3-dihydro-methyl-1H-Indene isomer						
1H-Indene, 2,3-dihydro-5-methyl-	874-35-1	WILEY138.l	7026	46	C10H12	132
Benzene, (2-methyl-2-propenyl)-	3290-53-7	WILEY138.l	121404	43	C10H12	132
Benzene, (1-methyl-1-propenyl)-, (Z)-	767-99-7	WILEY138.l	6994	43	C10H12	132
Benzene, 2-ethenyl-1,3-dimethyl-	2039-90-9	WILEY138.l	7013	43	C10H12	132



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Date : 31-OCT-2000 16:10

Client ID: RC-3_3rd_Flr

Instrument: VOAMS1.i

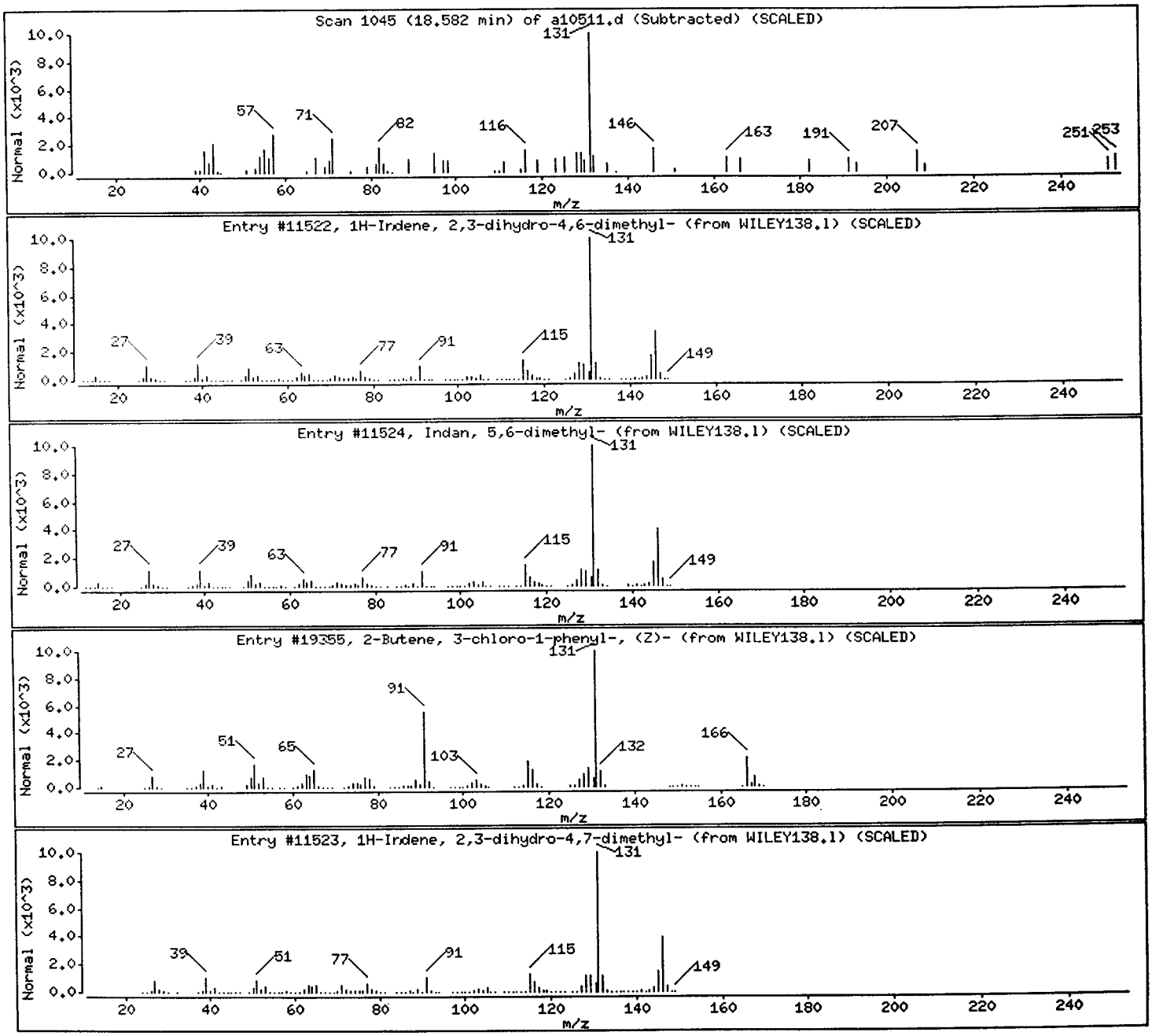
Sample Info: 237827;;6.8;5.37;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2,3-dihydro-dimethyl-1H-Indene isomer						
1H-Indene, 2,3-dihydro-4,6-dimethyl-	1685-82-1	WILEY138.l	11522	50	C11H14	146
Indan, 5,6-dimethyl-	1075-22-5	WILEY138.l	11524	50	C11H14	146
2-Butene, 3-chloro-1-phenyl-, (Z)-	16608-68-7	WILEY138.l	19355	50	C10H11Cl	166
1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	WILEY138.l	11523	50	C11H14	146



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10511.d

Date : 31-OCT-2000 16:10

Client ID: RC-3_3rd_Flr

Instrument: VOAMS1.i

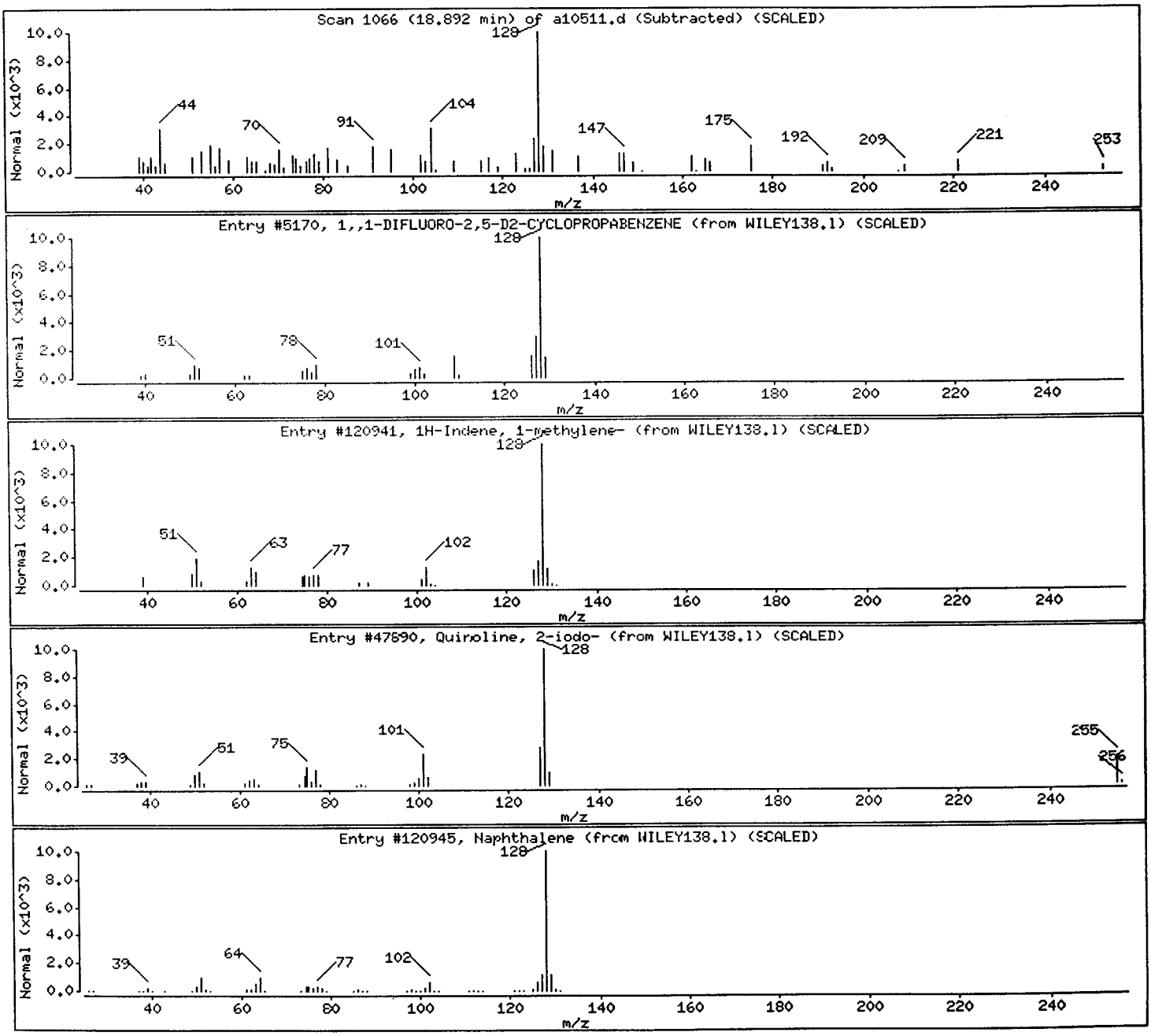
Sample Info: 237827;;6.8;5.37;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene						
1,,1-DIFLUORO-2,5-D2-CYCLOPROPABENZENE	0-00-0	WILEY138.1	5170	43	C7H2D2F2	126
1H-Indene, 1-methylene-	2471-84-3	WILEY138.1	120941	37	C10H8	128
Quinoline, 2-iodo-	6560-83-4	WILEY138.1	47890	37	C9H6In	229
Naphthalene	91-20-3	WILEY138.1	120945	35	C10H8	128



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10511.d

Date : 31-OCT-2000 16:10

Client ID: RC-3_3rd_Flr

Instrument: VOAMS1.i

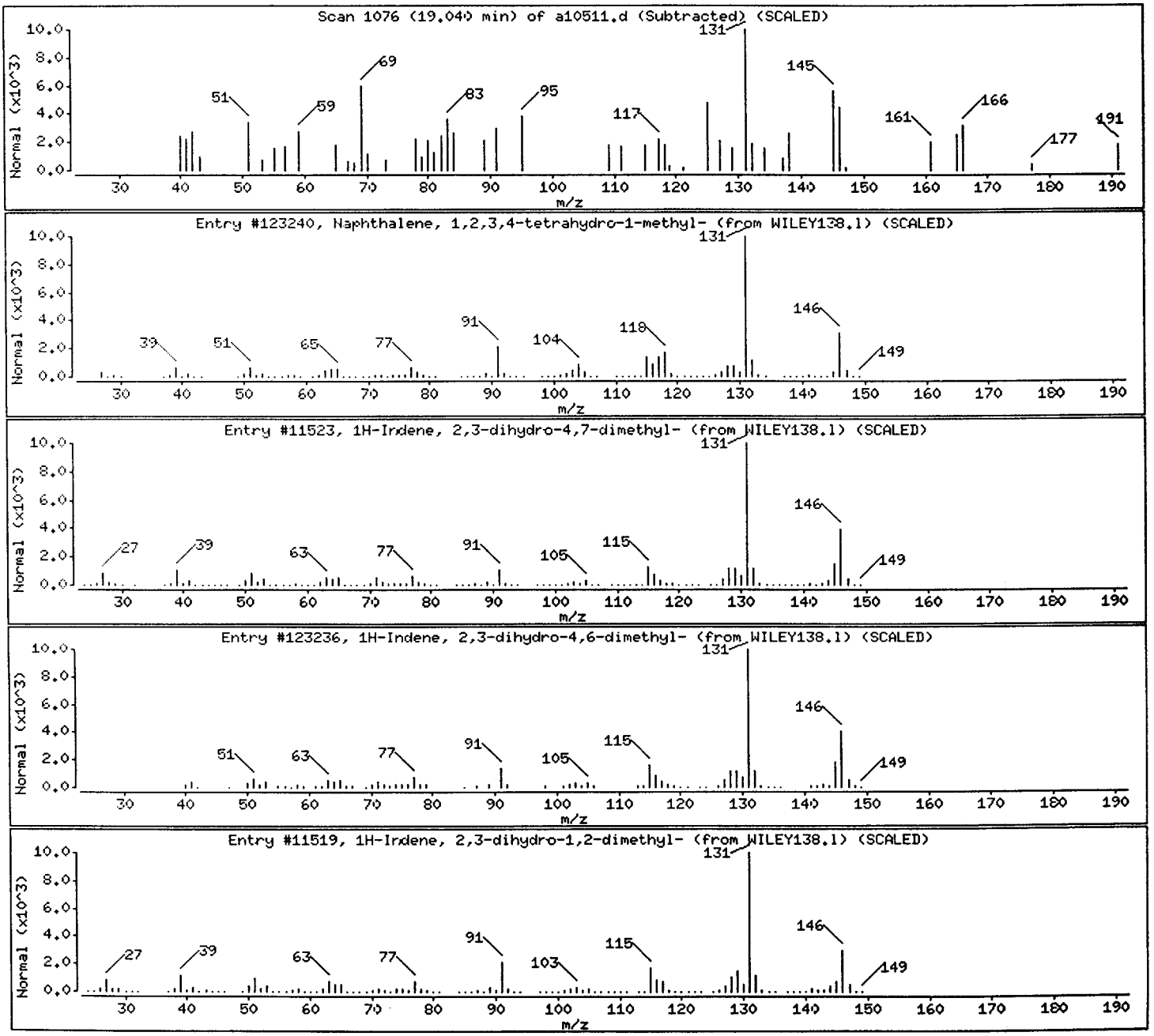
Sample Info: 237827;;6.8;5.37;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrahydromethylnaphthalene isomer						
Naphthalene, 1,2,3,4-tetrahydro-1-methyl	1559-81-5	WILEY138.l	123240	27	C11H14	146
1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	WILEY138.l	11523	27	C11H14	146
1H-Indene, 2,3-dihydro-4,6-dimethyl-	1685-82-1	WILEY138.l	123236	27	C11H14	146
1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	WILEY138.l	11519	27	C11H14	146



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Date : 31-OCT-2000 16:10

Client ID: RC-3_3rd_Flr

Instrument: VOAMS1.i

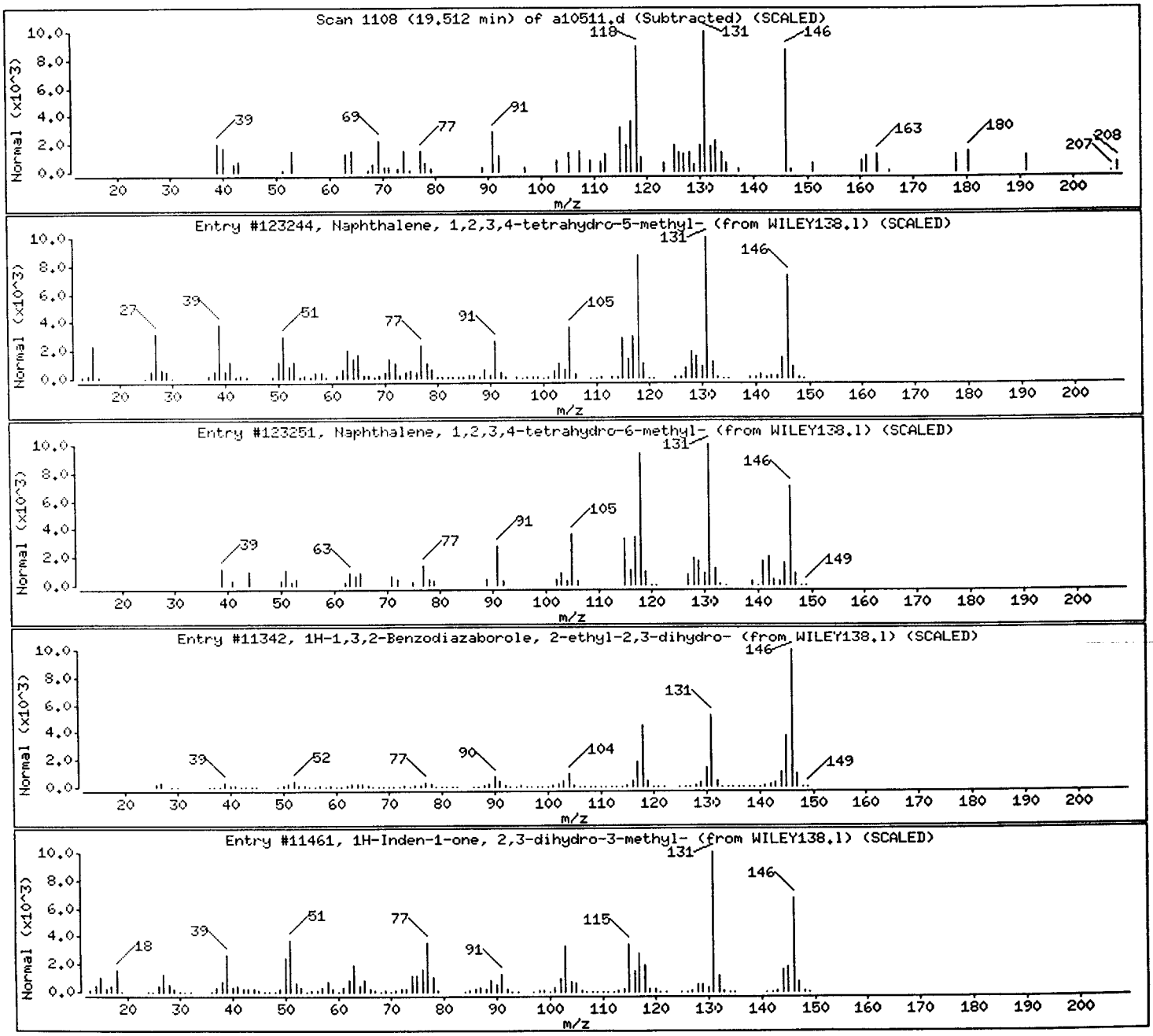
Sample Info: 237827;;6.8;5.37;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetrahydromethylnaphthalene isomer						
Naphthalene, 1,2,3,4-tetrahydro-5-methyl	2809-64-5	WILEY138.l	123244	68	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-6-methyl	1680-51-9	WILEY138.l	123251	64	C11H14	146
1H-1,3,2-Benzodiazaborole, 2-ethyl-2,3-d	74663-81-3	WILEY138.l	11342	64	C8H11BN2	146
1H-Inden-1-one, 2,3-dihydro-3-methyl-	6072-57-7	WILEY138.l	11461	47	C10H10O	146



Client ID: **RC-4_4th_Flr**
Site: Rexam DSI

Lab Sample No: **237828**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10512.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 4

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	1.1JB	3.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	2.1J	5.0
1,2-Dichloroethane	ND	2.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	1.6	1.0
trans-1,3-Dichloropropene	ND	5.0
2-Chloroethyl Vinyl Ether	ND	5.0
Bromoform	ND	4.0
Tetrachloroethene	0.8J	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	6.8	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Xylene (Total)	ND	5.0

Client ID: **RC-4_4th_Flr**
Site: Rexam DSI

Lab Sample No: **237828**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10512.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.2 g
Purge Volume: 5.0 ml
% Moisture: 4.1

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown	3.97	52	
2. 2-Propanone	6.05	42	
3. 2-Butanone	8.58	20	
4. Unknown	14.69	9.3	
5. Coeluting Unknowns	14.86	12	
6. Unknown Alkane	15.40	31	
7. Unknown	16.10	17	
8. Decahydronaphthalene isomer	16.72	22	
9. Coeluting Unknowns	16.88	17	
10. Unknown Cycloalkane	17.46	21	
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION	243

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10512.d
Report Date: 01-Nov-2000 17:15

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10512.d
Lab Smp Id: 237828 Client Smp ID: RC-4_4th_Flr
Inj Date : 31-OCT-2000 16:40
Operator : VOAMS 8 Inst ID: VOAMS1.i
Smp Info : 237828;;4.1;5.24;5
Misc Info : F104;1918;FM
Comment :
Method : /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/8260L_00.m
Meth Date : 31-Oct-2000 13:55 ken Quant Type: ISTD
Cal Date : 20-OCT-2000 18:54 Cal File: a10343.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.24000	Weight of sample extracted (g)
M	4.10000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	6 Methylene Chloride	84	6.731	6.701	(0.665)	7633	1.09256	1.1(a)
	15 Chloroform	83	9.006	8.976	(0.889)	31640	2.12004	2.1(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	9.685	9.655	(0.956)	464738	75.7786	75(R)
	28 Benzene	78	9.818	9.788	(0.969)	28234	1.66278	1.6
*	19 Fluorobenzene	96	10.129	10.113	(1.000)	1028534	50.0000	
$	37 Toluene-d8 (SUR)	98	12.079	12.049	(0.878)	441397	68.7453	68(R)
	38 Toluene	91	12.153	12.137	(0.883)	52652	6.87489	6.8
	35 Tetrachloroethene	166	12.832	12.817	(0.932)	3904	0.79091	0.79(a)
*	32 Chlorobenzene-d5	117	13.763	13.748	(1.000)	331212	50.0000	
$	41 Bromofluorobenzene (SUR)	174	15.048	15.033	(0.924)	142094	87.6796	87(R)
*	91 1,4-Dichlorobenzene-d4	152	16.289	16.274	(1.000)	73552	50.0000	

Confirmed by a10515

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10512.d
Report Date: 01-Nov-2000 17:15

QC Flag Legend

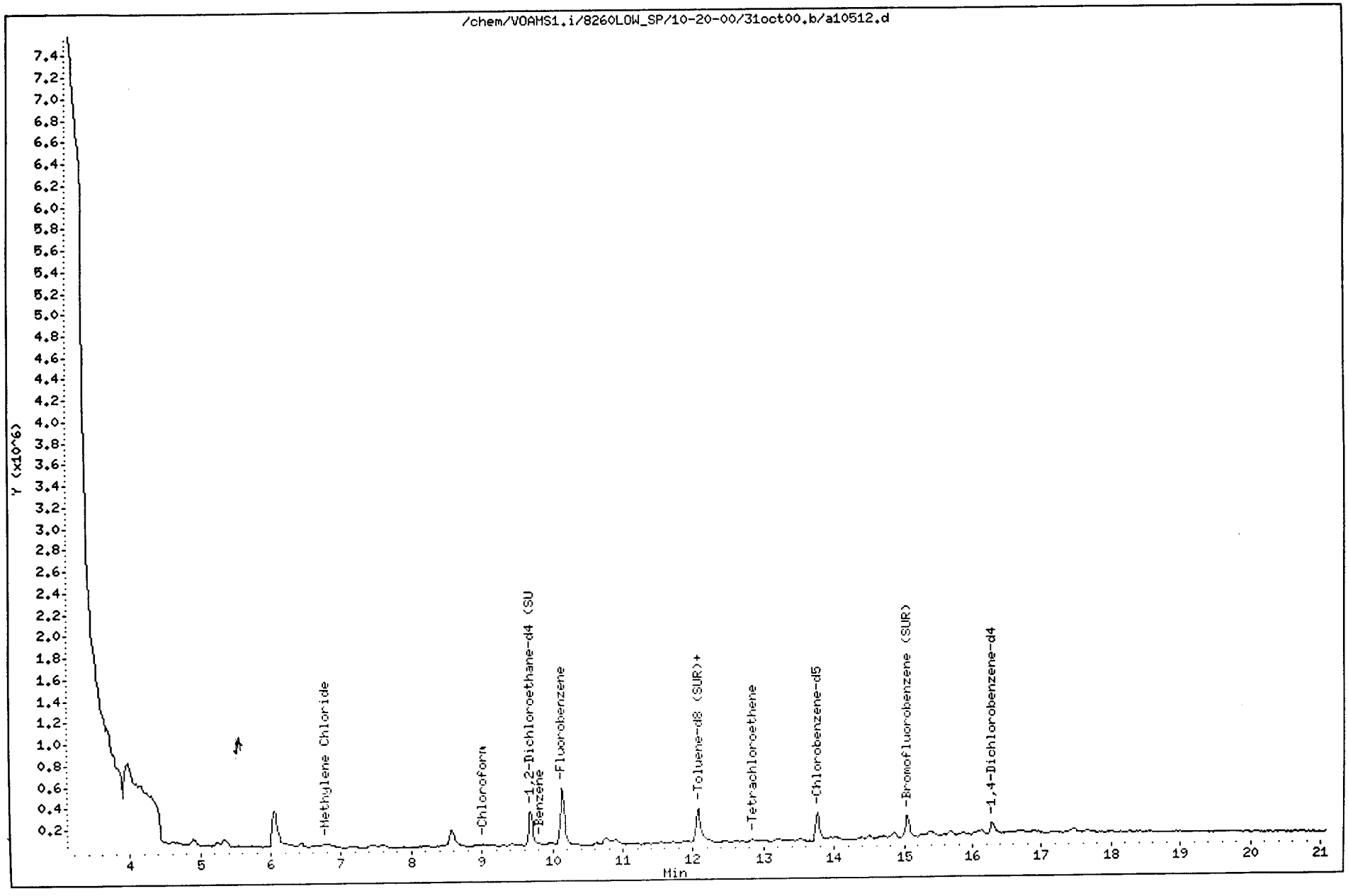
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10512.d
Date : 31-OCT-2000 16:40
Client ID: RC-4_4th_Flr
Sample Info: 237828;;4.1;5.24;5

Column phase: DB624

Instrument: VOAMS1.i

Operator: VOAMS 8
Column diameter: 0.53



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10512.d

Date : 31-OCT-2000 16:40

Client ID: RC-4_4th_Flr

Instrument: VOAMS1.i

Sample Info: 237828;;4.1;5.24;5

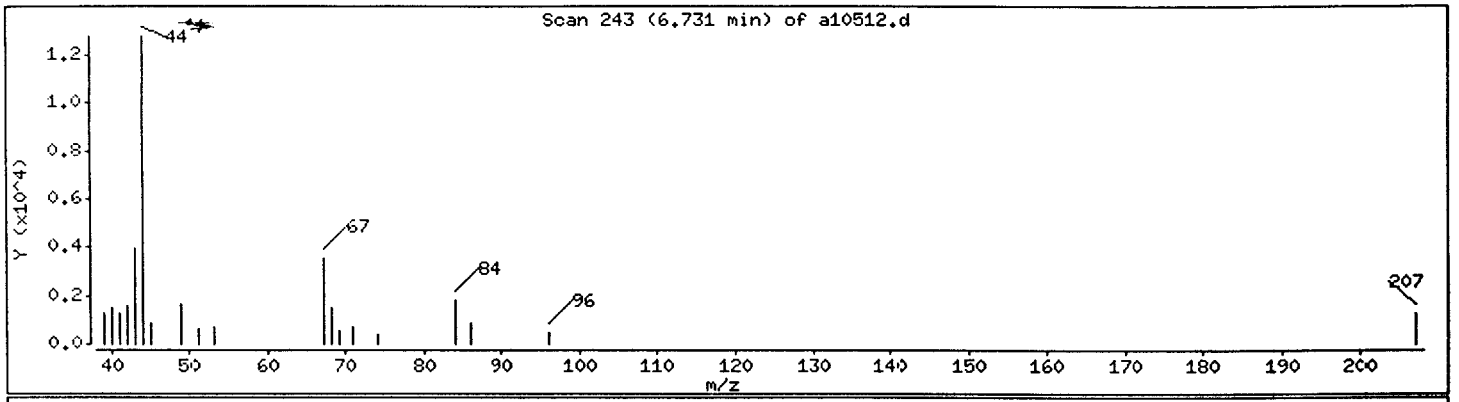
Operator: VOAMS 8

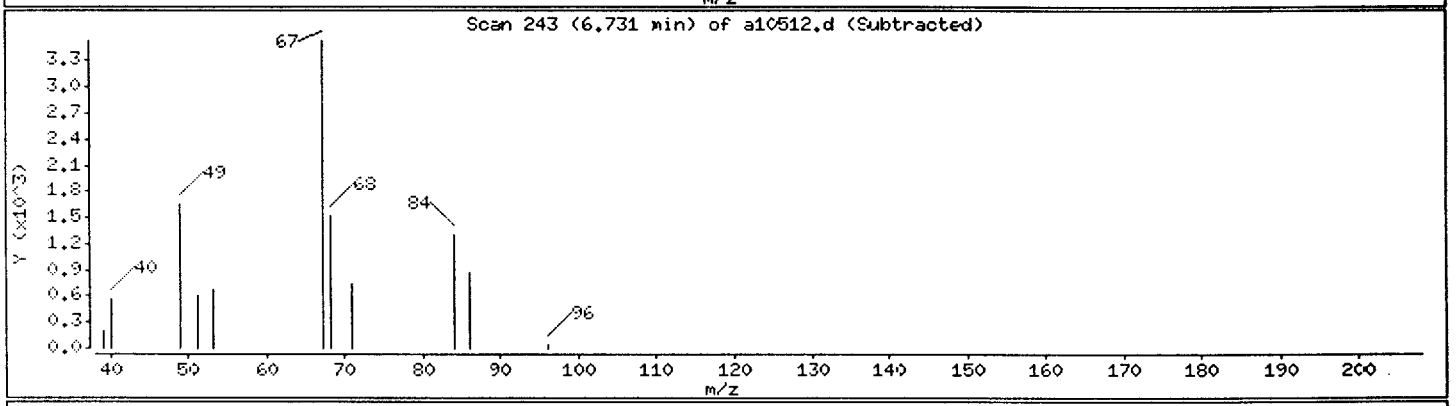
Column phase: DB624

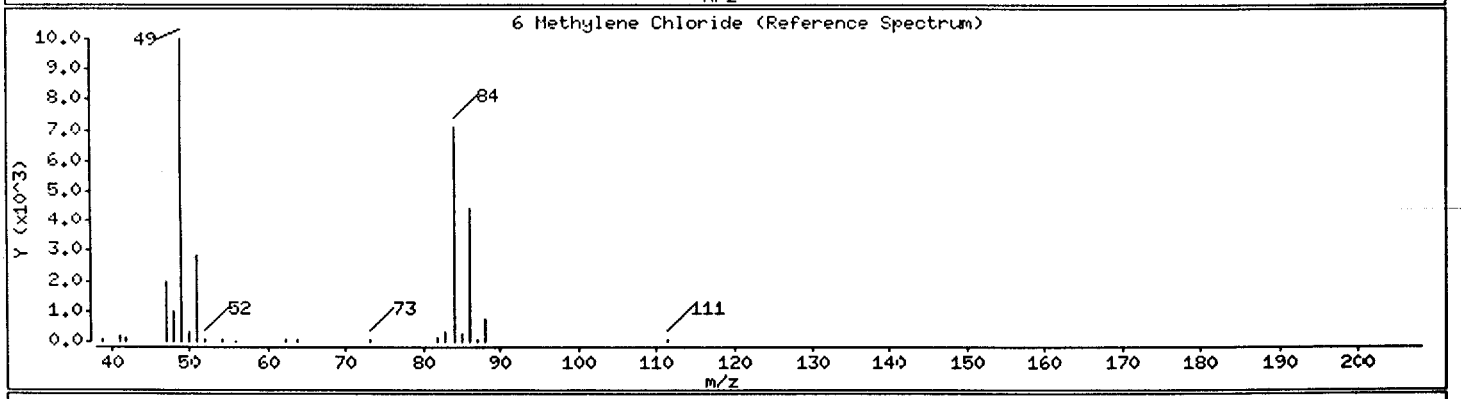
Column diameter: 0.53

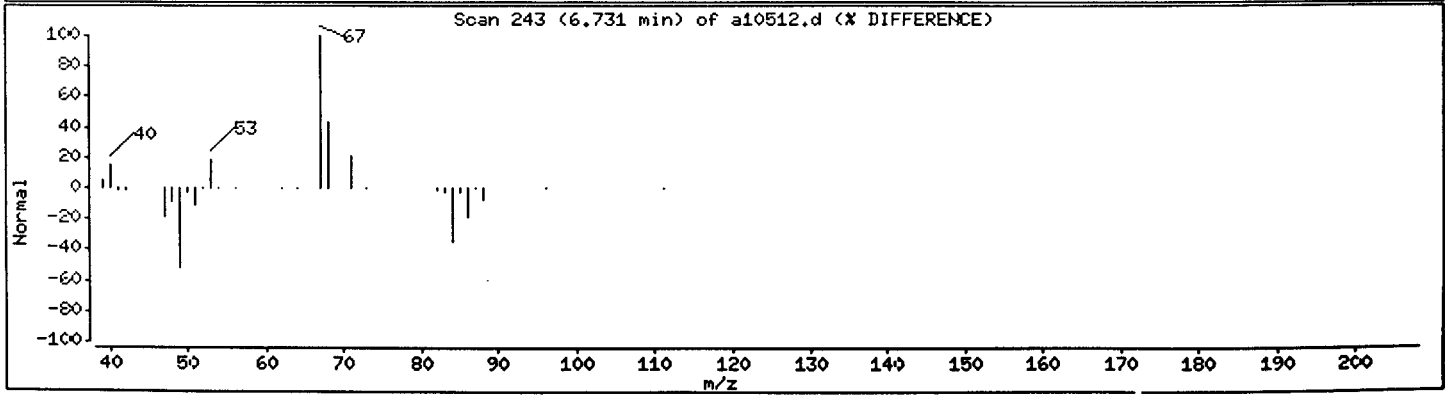
6 Methylene Chloride

Concentration: 1.1 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10512.d

Date : 31-OCT-2000 16:40

Client ID: RC-4_4th_Flr

Instrument: VOAMS1.i

Sample Info: 237828;;4.1;5.24;5

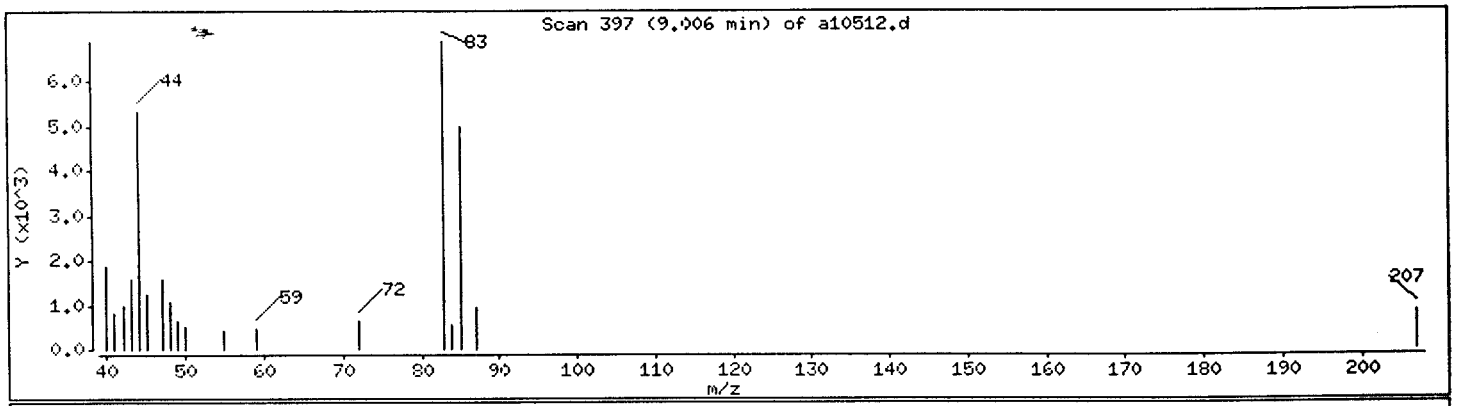
Operator: VOAMS 8

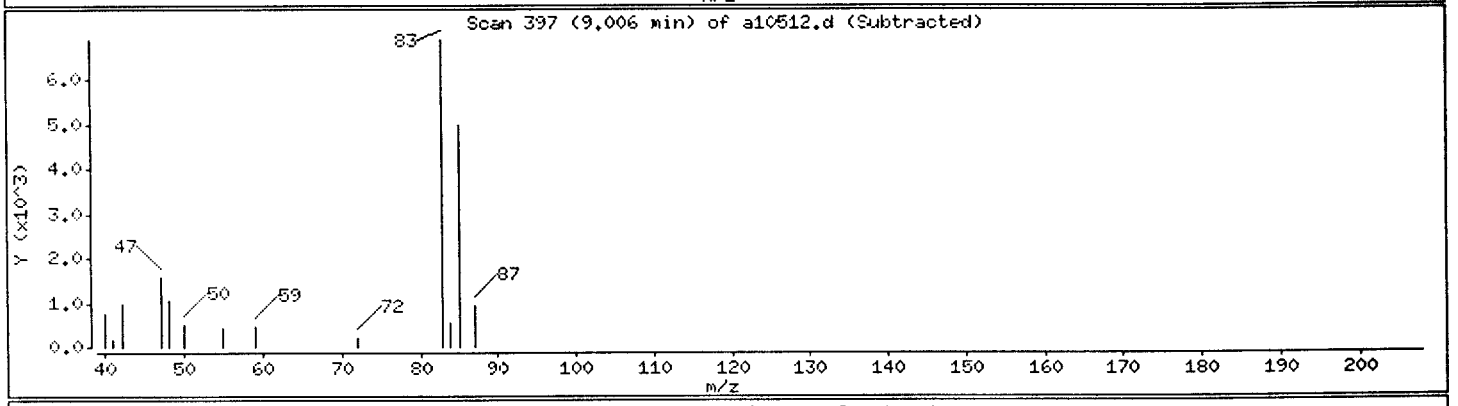
Column phase: DB624

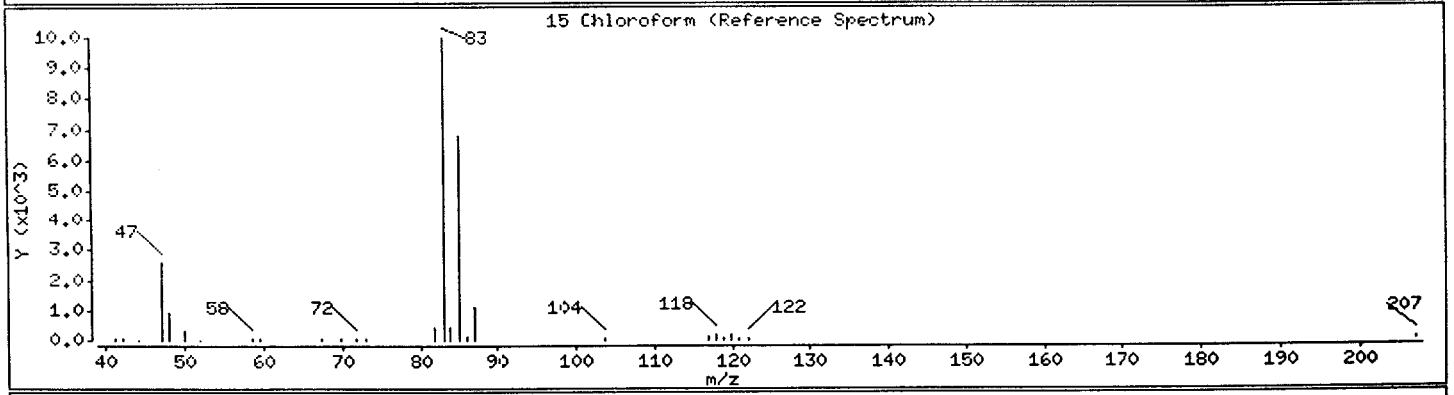
Column diameter: 0.53

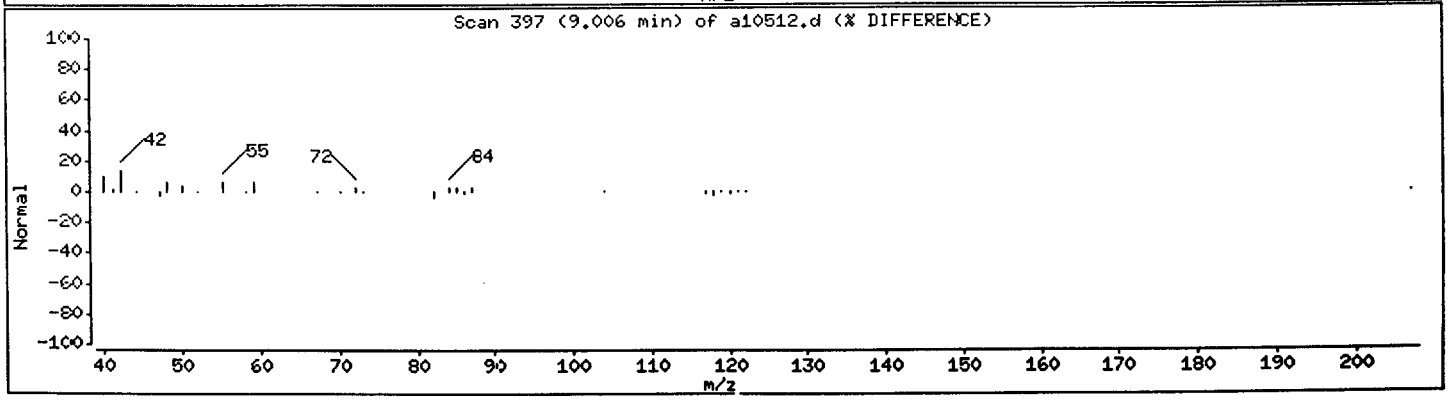
15 Chloroform

Concentration: 2.1 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10512.d

Date : 31-OCT-2000 16:40

Client ID: RC-4_4th_Flr

Instrument: VOAMS1.i

Sample Info: 237828;;4.1;5.24;5

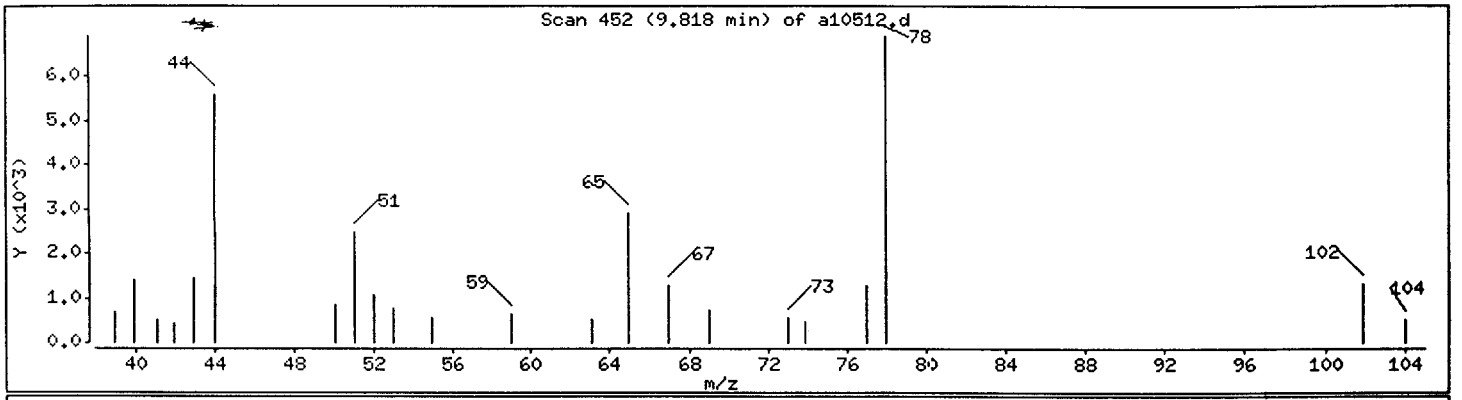
Operator: VOAMS 8

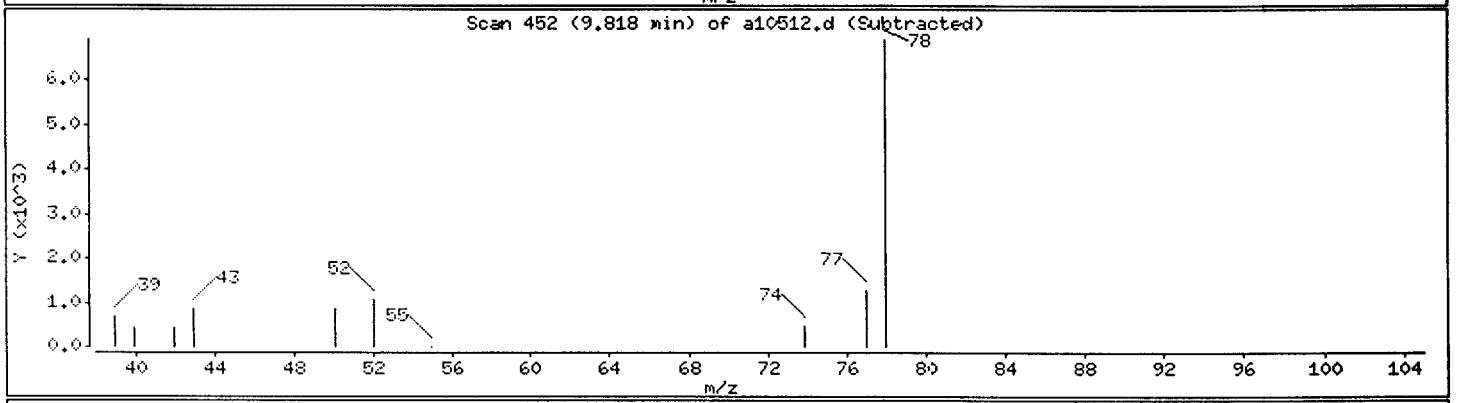
Column phase: DB624

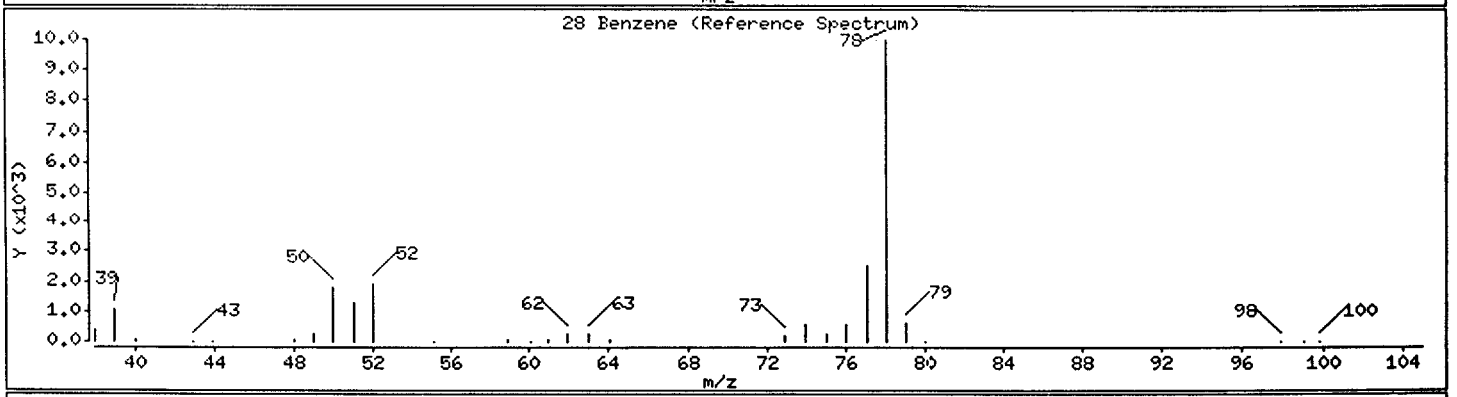
Column diameter: 0.53

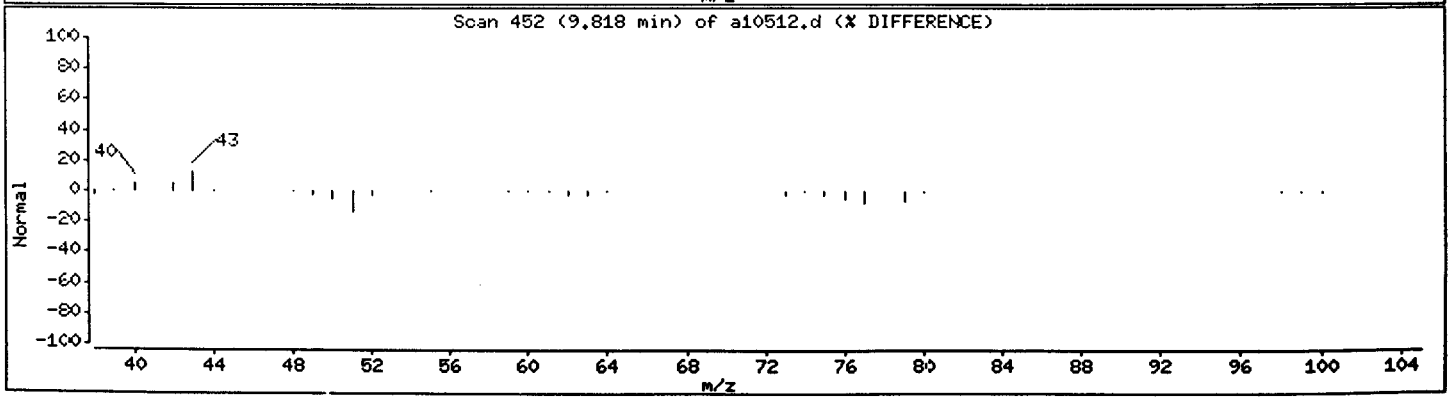
28 Benzene

Concentration: 1.6 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10512.d

Date : 31-OCT-2000 16:40

Client ID: RC-4_4th_Flr

Instrument: VOAMS1.i

Sample Info: 237828;;4.1;5.24;5

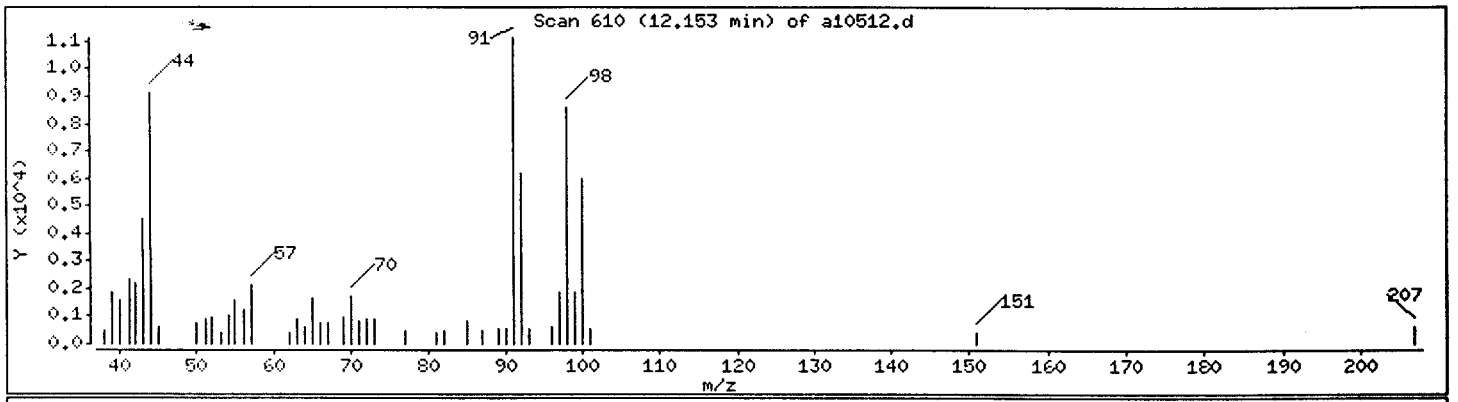
Operator: VOAMS 8

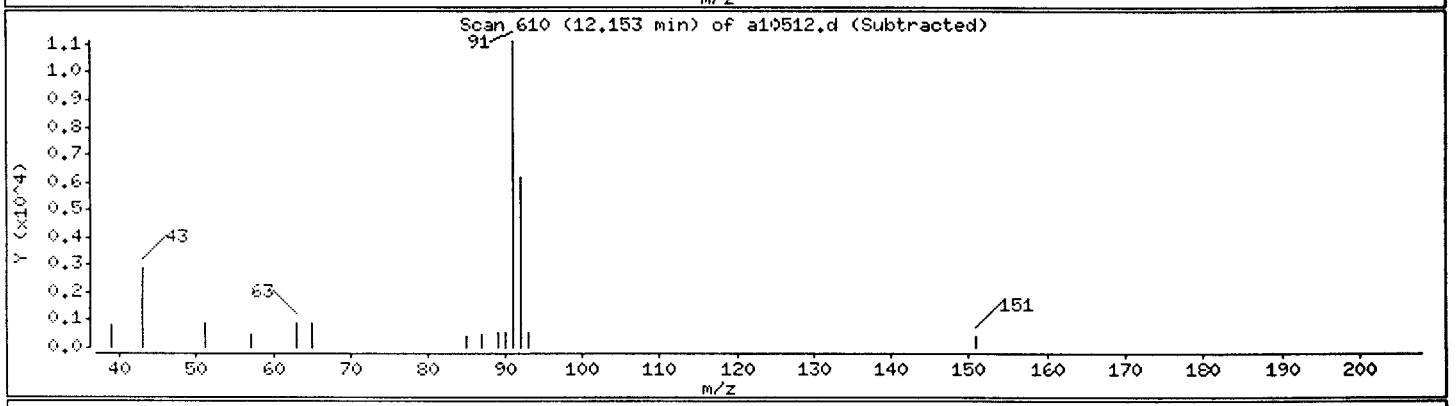
Column phase: DB624

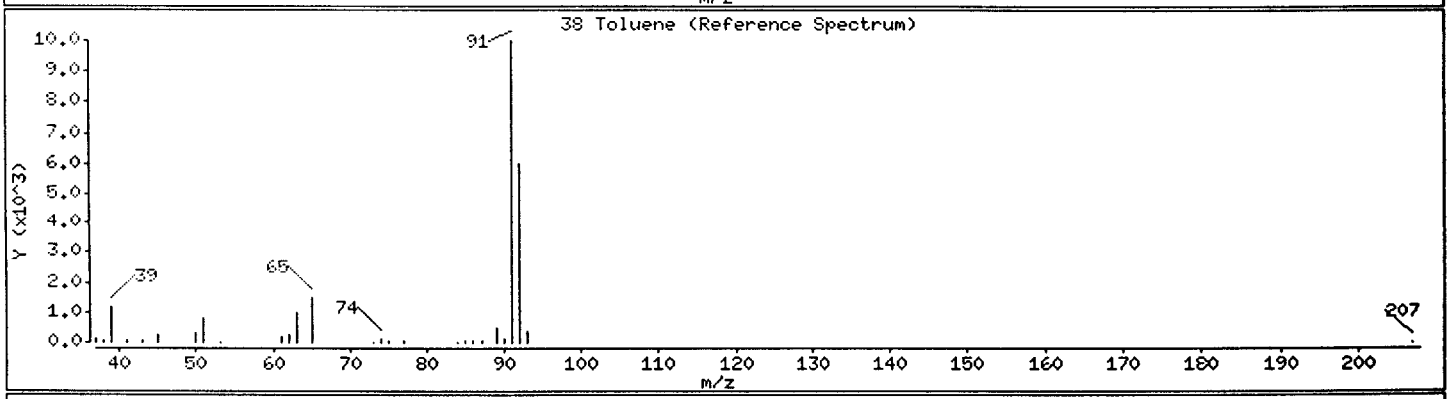
Column diameter: 0.53

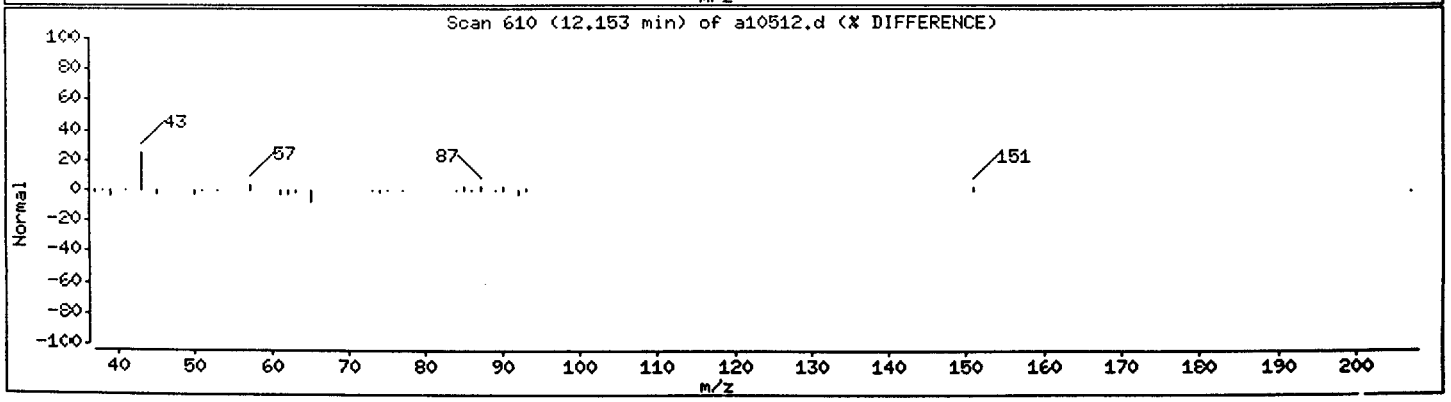
38 Toluene

Concentration: 6.8 ug/Kg









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Date : 31-OCT-2000 16:40

Client ID: RC-4_4th_Flr

Instrument: VOAMS1.i

Sample Info: 237828;;4.1;5.24;5

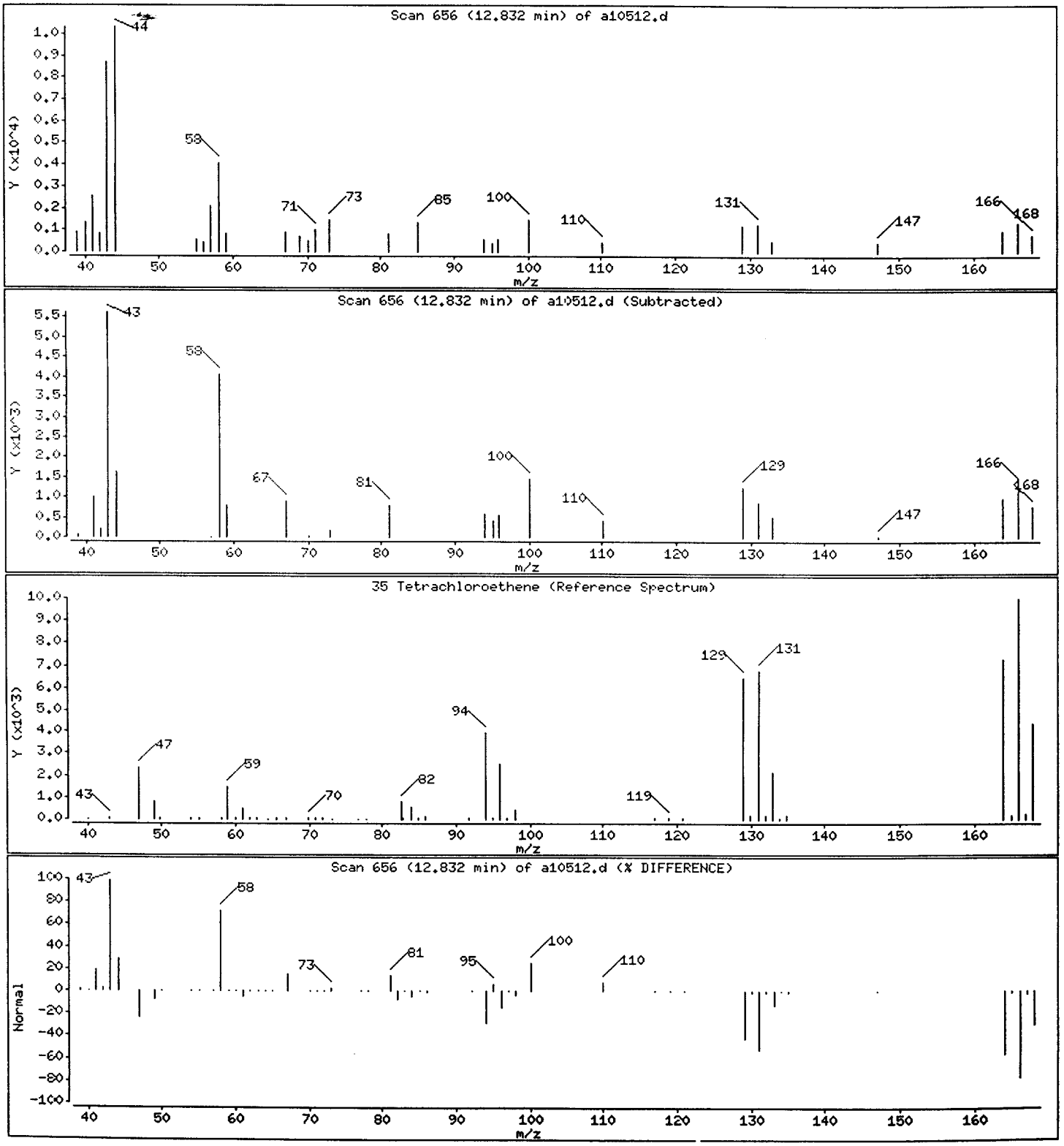
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

35 Tetrachloroethene

Concentration: 0.79 ug/Kg



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Date : 31-OCT-2000 16:40

Client ID: RC-4_4th_Flr

Instrument: VOAMS1.i

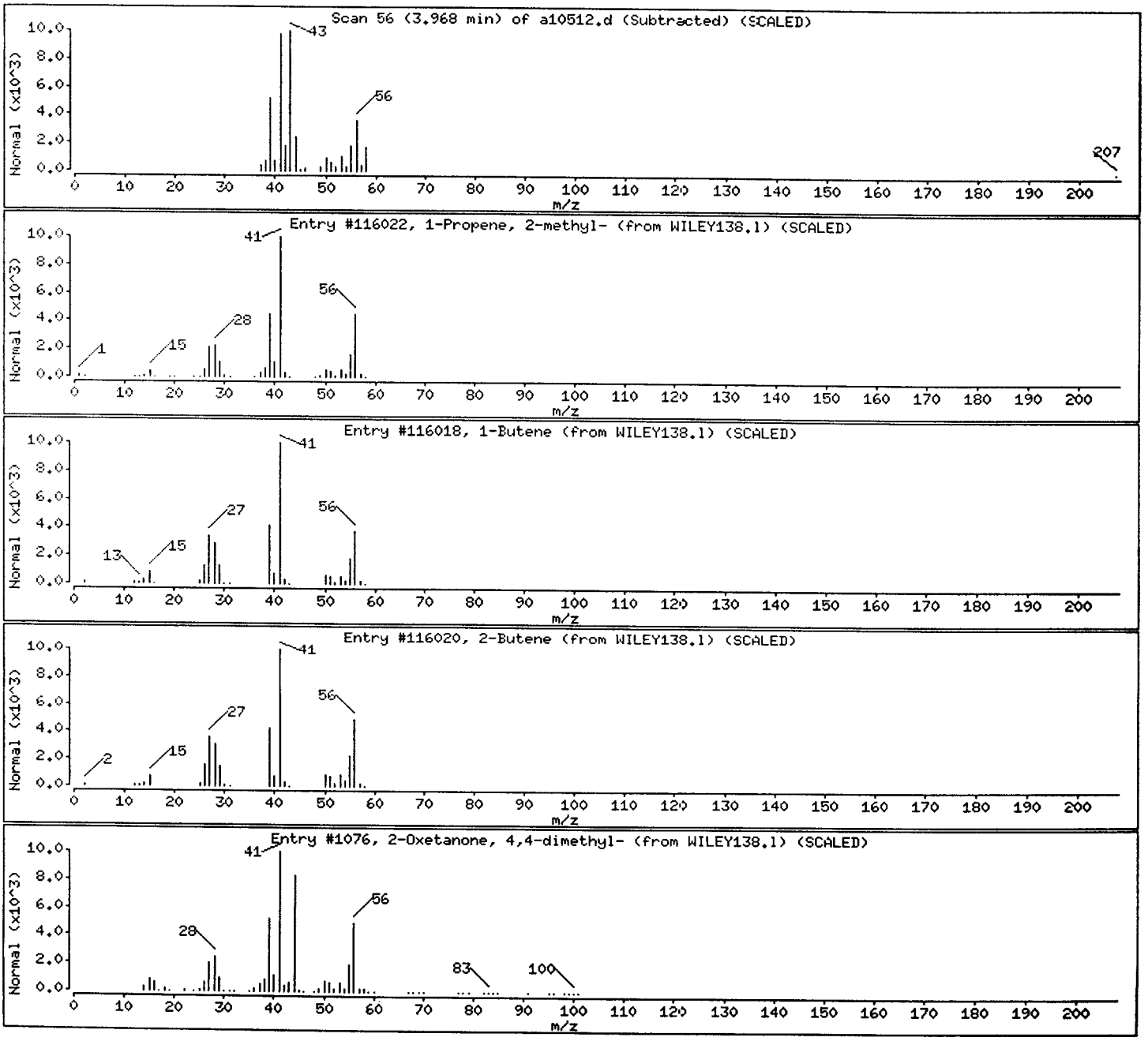
Sample Info: 237828;;4.1;5.24;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Propene, 2-methyl-	115-11-7	WILEY138.1	116022	58	C4H8	56
1-Butene	106-98-9	WILEY138.1	116018	50	C4H8	56
2-Butene	107-01-7	WILEY138.1	116020	50	C4H8	56
2-Oxetanone, 4,4-dimethyl-	1823-52-5	WILEY138.1	1076	42	C5H8O2	100



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Date : 31-OCT-2000 16:40

Client ID: RC-4_4th_Flr

Instrument: VOAMS1.i

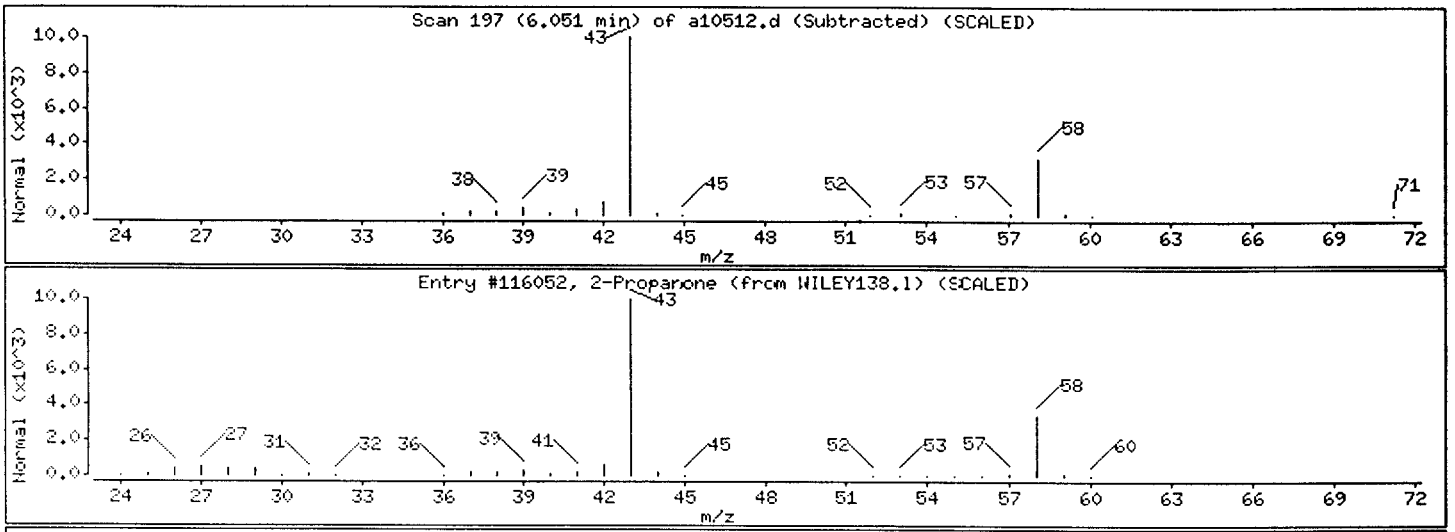
Sample Info: 237828;;4.1;5.24;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Propanone	67-64-1	WILEY138.l	116052	72	C3H6O	58



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10512.d

Date : 31-OCT-2000 16:40

Client ID: RC-4_4th_Flr

Instrument: VOAMS1.i

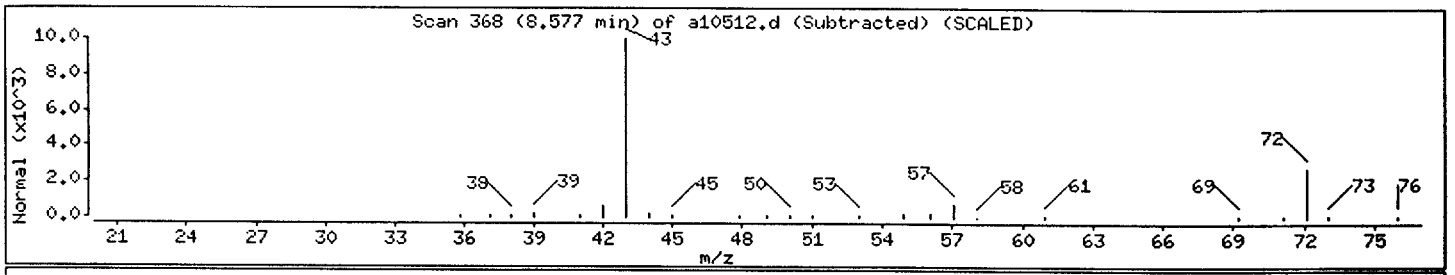
Sample Info: 237828;;4.1;5.24;5

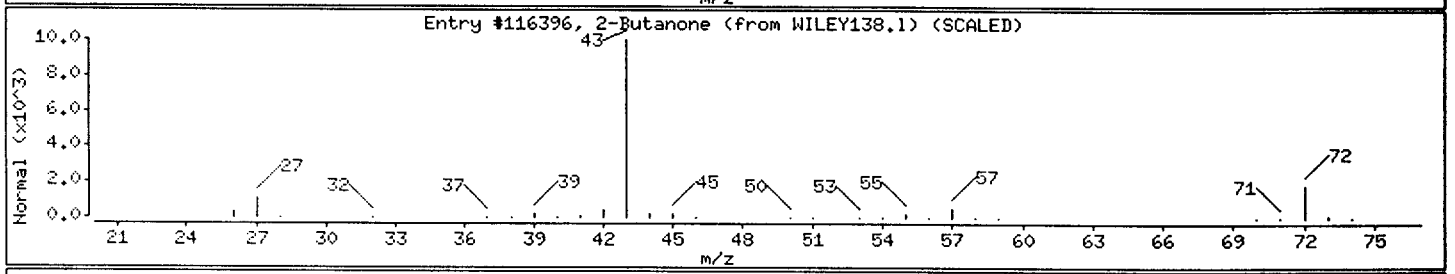
Operator: VOAMS 8

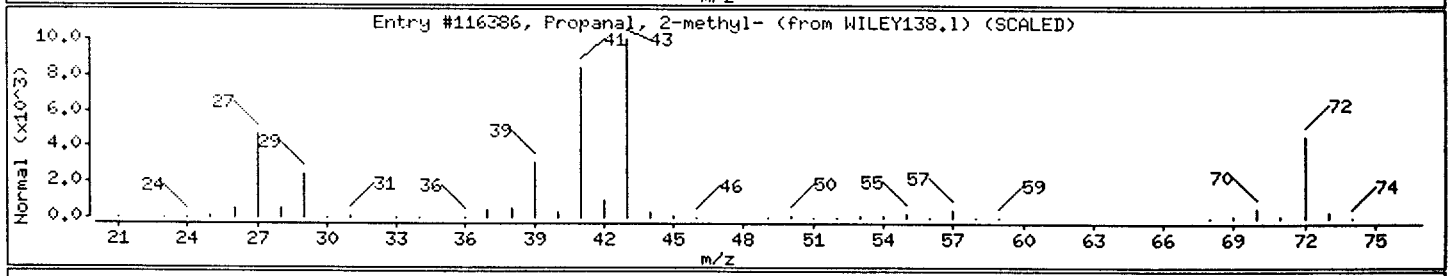
Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Butanone	78-93-3	WILEY138.l	116396	72	C4H8O	72
Propanal, 2-methyl-	78-84-2	WILEY138.l	116386	25	C4H8O	72







Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10512.d

Date : 31-OCT-2000 16:40

Client ID: RC-4_4th_Flr

Instrument: VOAMS1.i

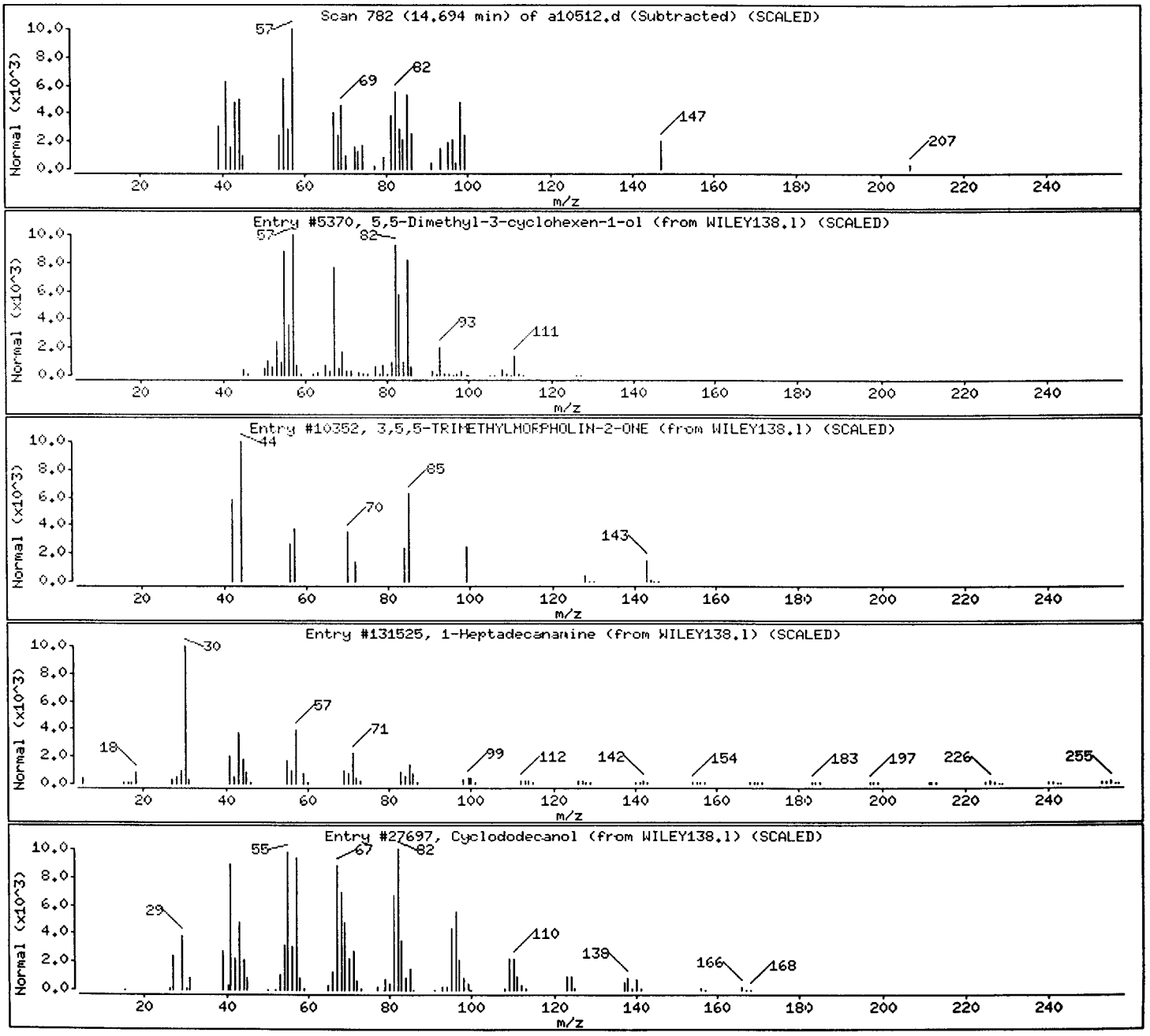
Sample Info: 237828;;4.1;5.24;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
5,5-Dimethyl-3-cyclohexen-1-ol	82299-68-1	WILEY138.l	5370	38	C8H14O	126
3,5,5-TRIMETHYLMORPHOLIN-2-ONE	57765-62-5	WILEY138.l	10352	27	C7H13NO2	143
1-Heptadecanamine	4200-95-7	WILEY138.l	131525	22	C17H37N	255
Cyclododecanol	1724-39-6	WILEY138.l	27697	22	C12H24O	184



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Date : 31-OCT-2000 16:40

Client ID: RC-4_4th_Flr

Instrument: VOAMS1.i

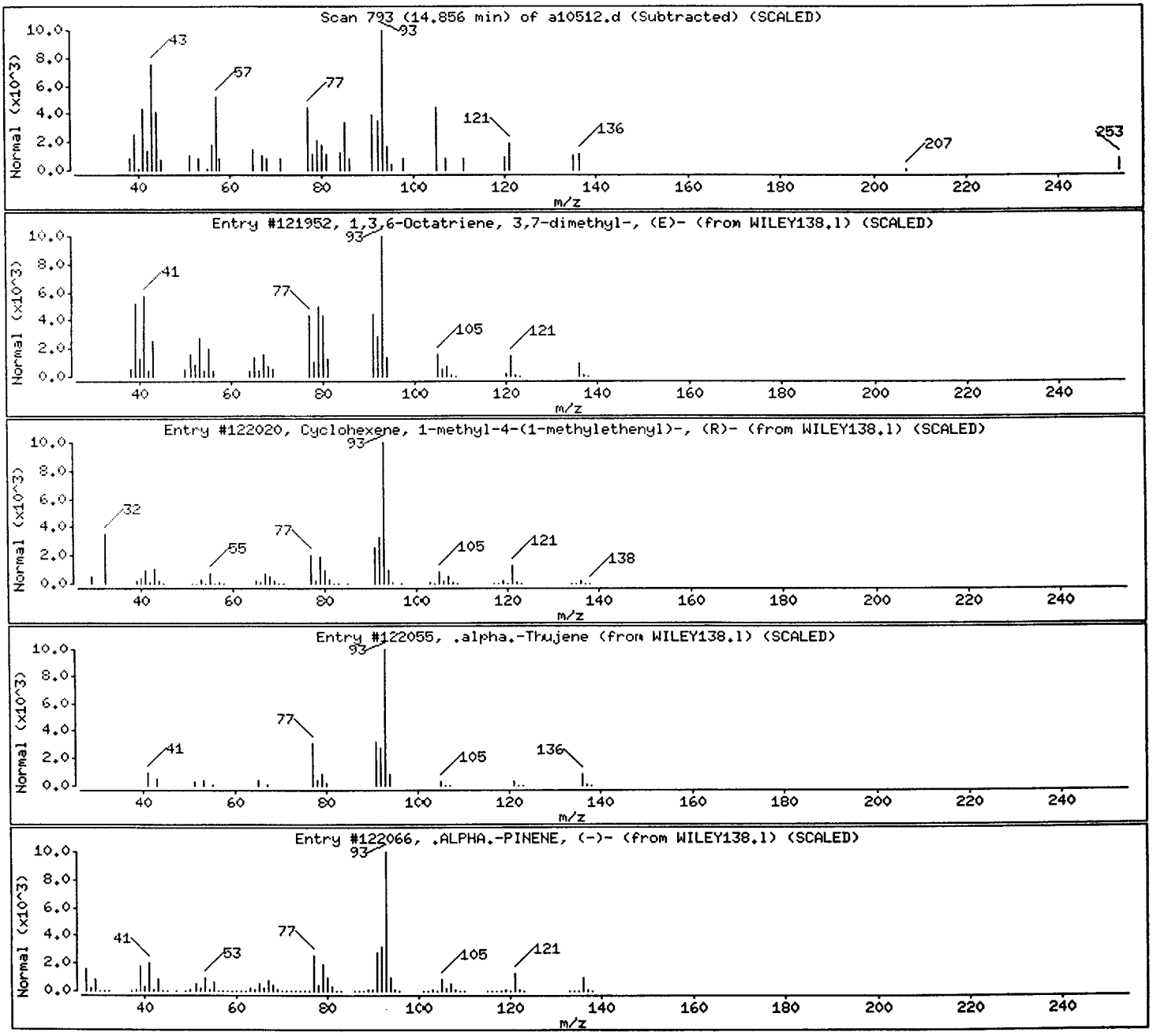
Sample Info: 237828;;4.1;5.24;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Coeluting Unknowns						
1,3,6-Octatriene, 3,7-dimethyl-, (E)-	3779-61-1	WILEY138.l	121952	64	C10H16	136
Cyclohexene, 1-methyl-4-(1-methylethenyl	5989-27-5	WILEY138.l	122020	64	C10H16	136
.alpha.-Thujene	2867-05-2	WILEY138.l	122055	52	C10H16	136
.ALPHA.-PINENE, (-)-	80-56-8	WILEY138.l	122066	49	C10H16	136



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Date : 31-OCT-2000 16:40

Client ID: RC-4_4th_Flr

Instrument: VOAMS1.i

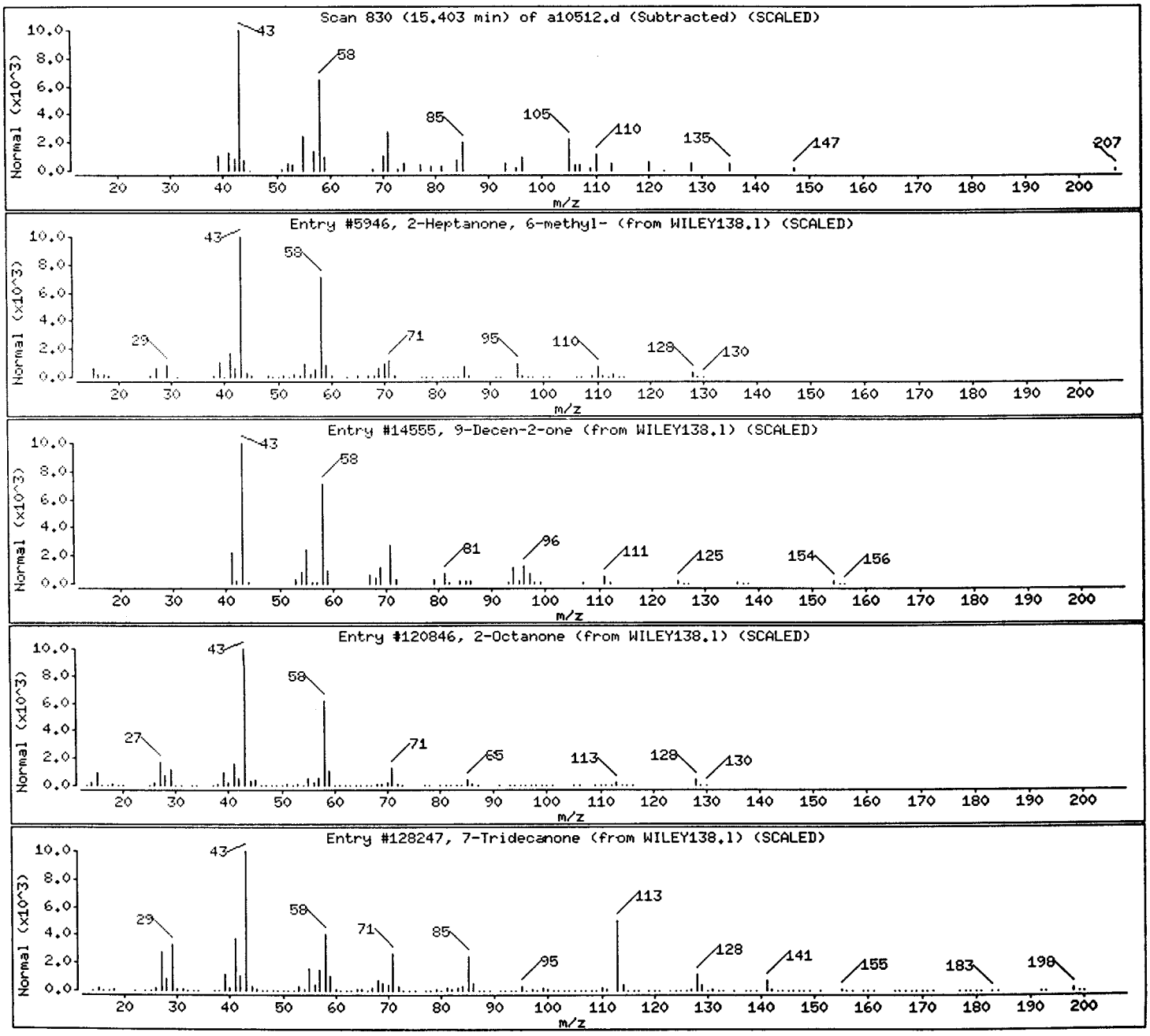
Sample Info: 237828;;4.1;5.24;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
2-Heptanone, 6-methyl-	928-68-7	WILEY138.l	5946	37	C8H160	128
9-Decen-2-one	35194-30-0	WILEY138.l	14555	37	C10H180	154
2-Octanone	111-13-7	WILEY138.l	120846	35	C8H160	128
7-Tridecanone	462-18-0	WILEY138.l	128247	25	C13H260	198



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Date : 31-OCT-2000 16:40

Client ID: RC-4_4th_Flr

Instrument: VOAMS1.i

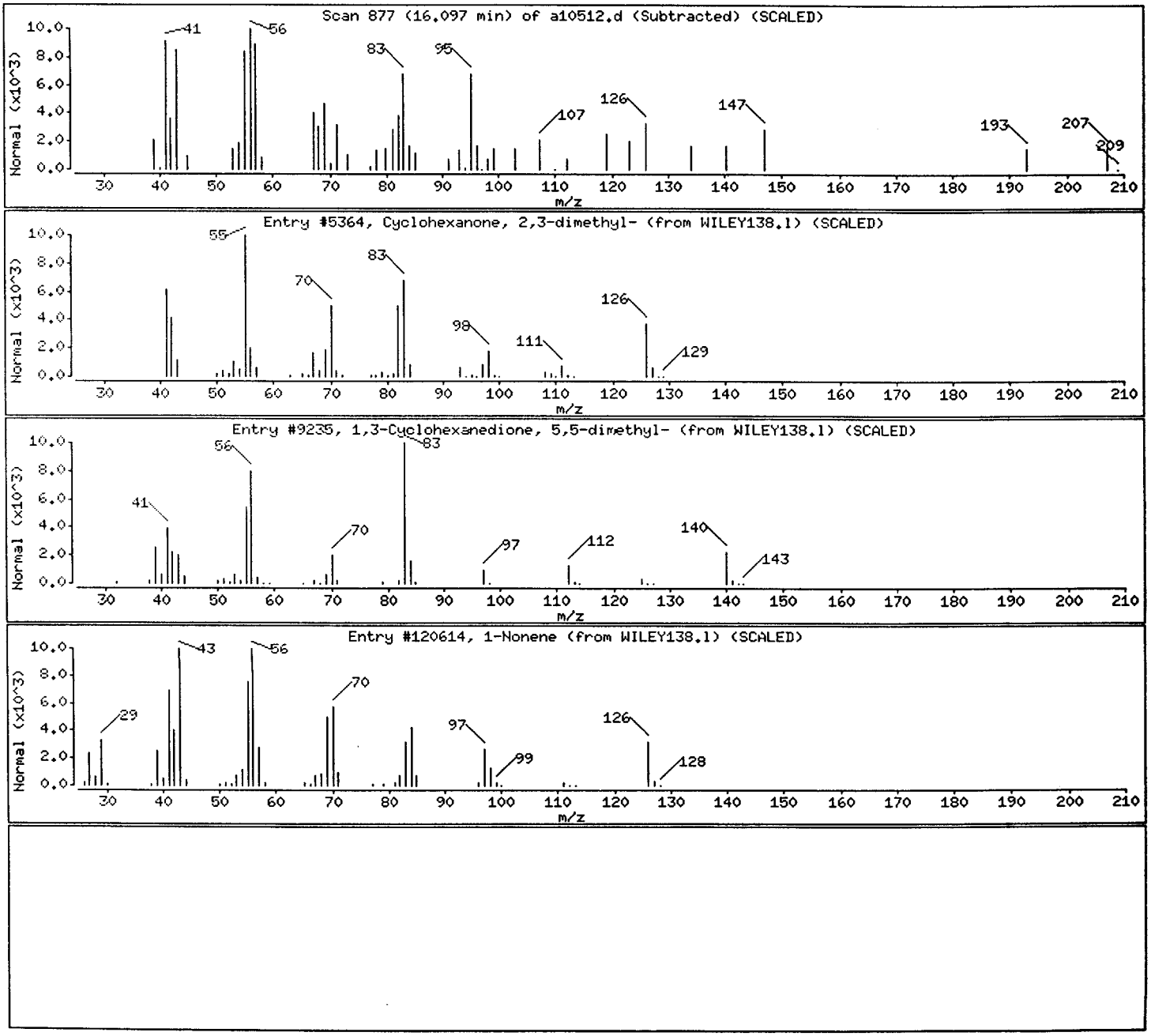
Sample Info: 237828;;4.1;5.24;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexanone, 2,3-dimethyl-	13395-76-1	WILEY138.1	5364	25	C8H14O	126
1,3-Cyclohexanedione, 5,5-dimethyl-	126-81-8	WILEY138.1	9235	22	C8H12O2	140
1-Nonene	124-11-8	WILEY138.1	120614	22	C9H18	126



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10512.d

Date : 31-OCT-2000 16:40

Client ID: RC-4_4th_Flr

Instrument: VOAMS1.i

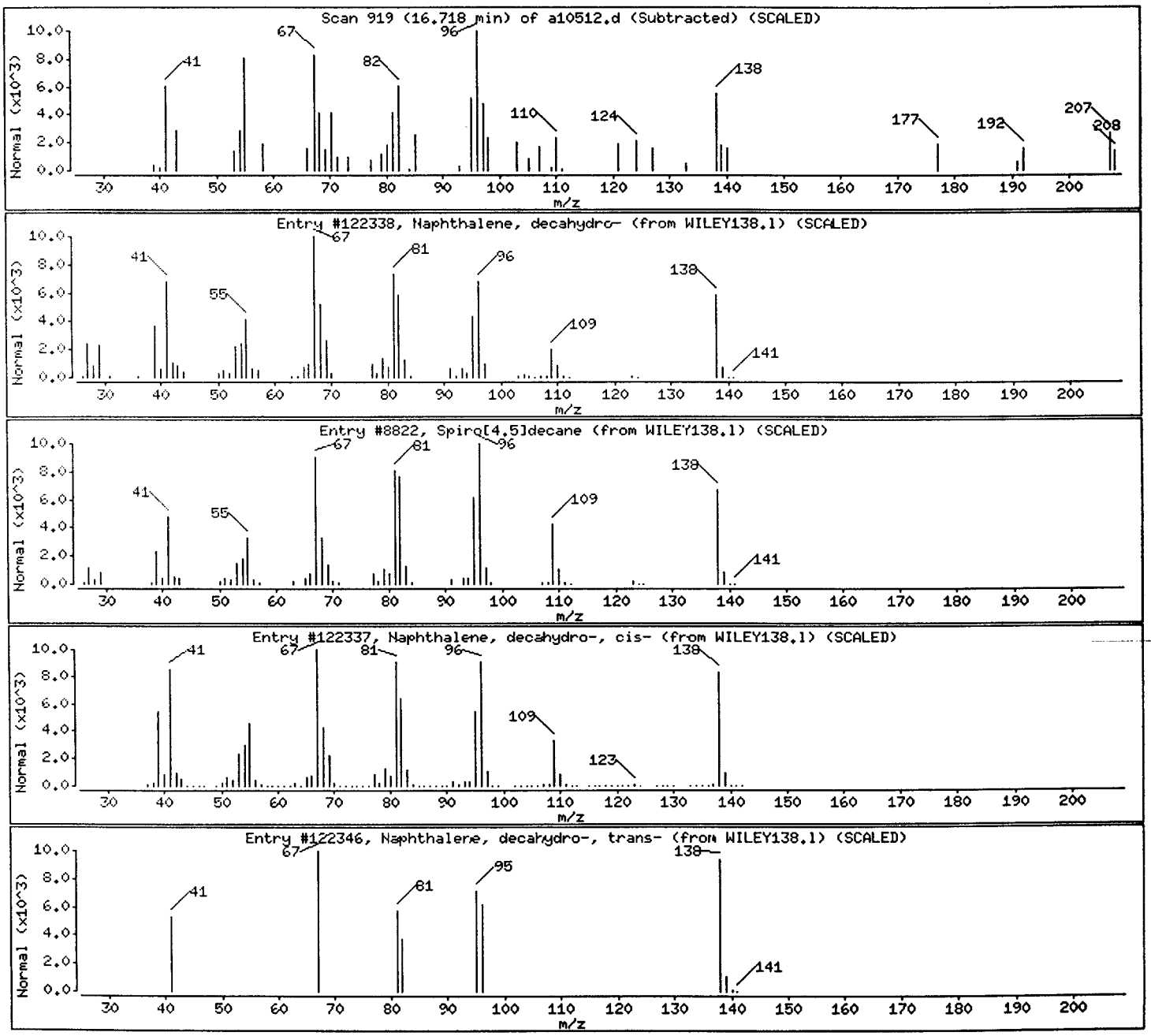
Sample Info: 237828;;4.1;5.24;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decahydronaphthalene isomer						
Naphthalene, decahydro-	91-17-8	WILEY138.l	122338	62	C10H18	138
Spiro[4.5]decane	176-63-6	WILEY138.l	8822	58	C10H18	138
Naphthalene, decahydro-, cis-	493-01-6	WILEY138.l	122337	58	C10H18	138
Naphthalene, decahydro-, trans-	493-02-7	WILEY138.l	122346	46	C10H18	138



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Date : 31-OCT-2000 16:40

Client ID: RC-4_4th_Flr

Instrument: VOAMS1.i

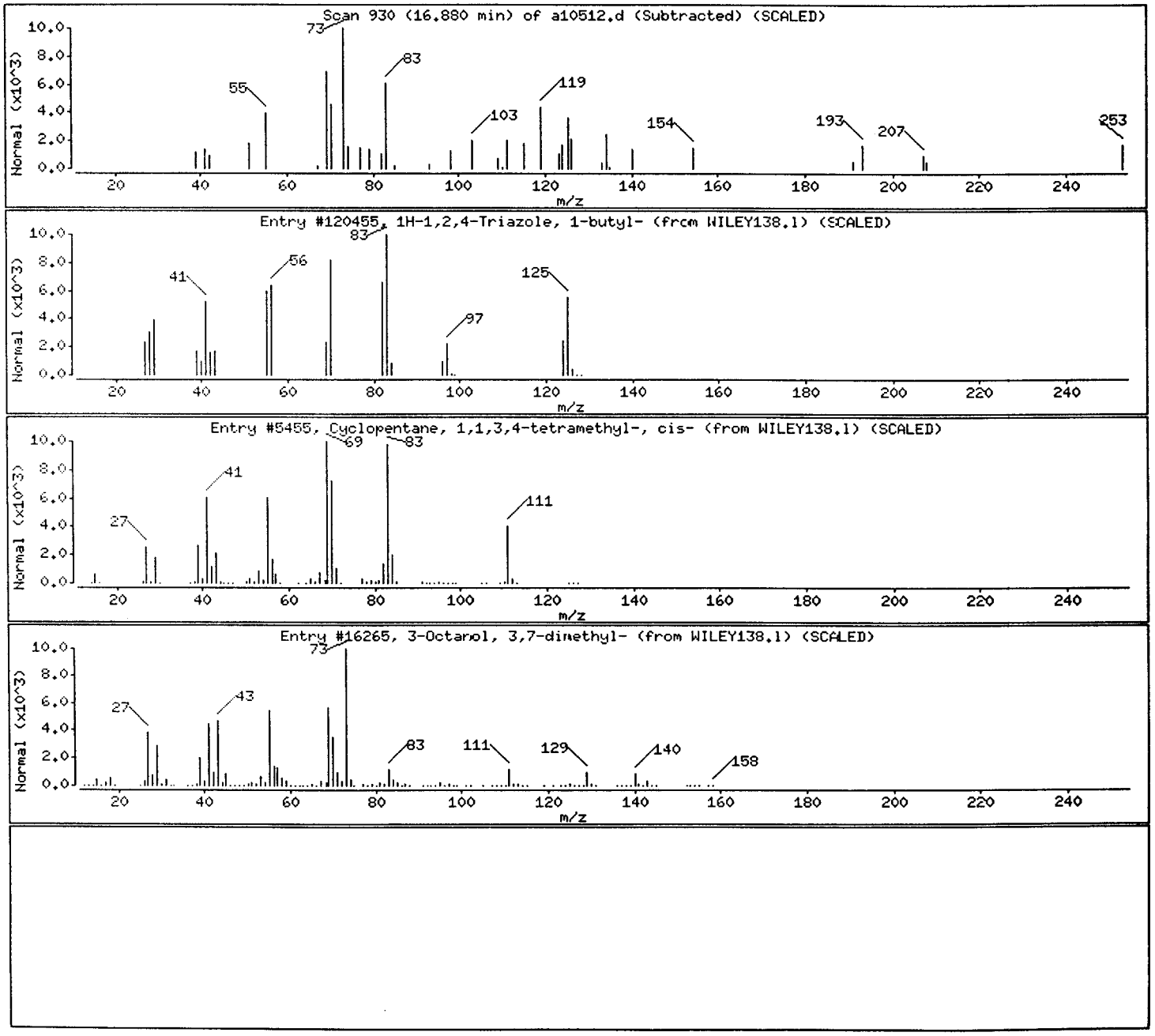
Sample Info: 237828;;4.1;5.24;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Coeluting Unknowns						
1H-1,2,4-Triazole, 1-butyl-	6086-22-2	WILEY138.l	120455	30	C6H11N3	125
Cyclopentane, 1,1,3,4-tetramethyl-, cis-	53907-60-1	WILEY138.l	5455	27	C9H18	126
3-Octanol, 3,7-dimethyl-	78-69-3	WILEY138.l	16265	22	C10H220	158



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Date : 31-OCT-2000 16:40

Client ID: RC-4_4th_Flr

Instrument: VOAMS1.i

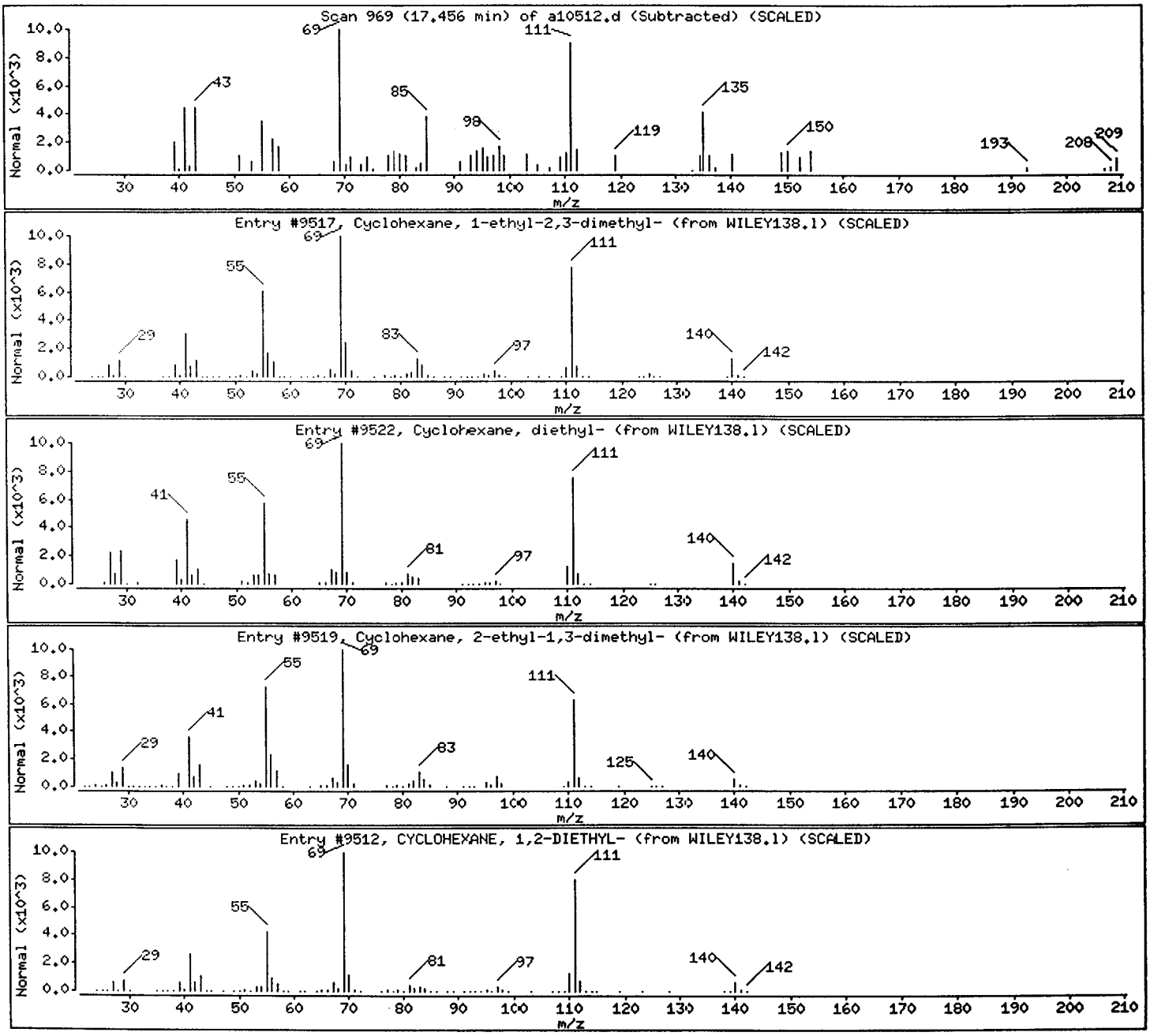
Sample Info: 237828;;4.1;5.24;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Cycloalkane						
Cyclohexane, 1-ethyl-2,3-dimethyl-	7058-05-1	WILEY138.l	9517	43	C10H20	140
Cyclohexane, diethyl-	1331-43-7	WILEY138.l	9522	43	C10H20	140
Cyclohexane, 2-ethyl-1,3-dimethyl-	7045-67-2	WILEY138.l	9519	43	C10H20	140
CYCLOHEXANE, 1,2-DIETHYL-	0-00-0	WILEY138.l	9512	43	C10H20	140



Client ID: **ES-1_ElShaft_4th**
Site: Rexam DSI

Lab Sample No: **237829**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10513.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.3 g
Purge Volume: 5.0 ml
% Moisture: 40

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	7.8
Bromomethane	ND	7.8
Vinyl Chloride	ND	7.8
Chloroethane	ND	7.8
Methylene Chloride	1.7JB	4.7
Trichlorofluoromethane	ND	7.8
1,1-Dichloroethene	ND	3.1
1,1-Dichloroethane	ND	7.8
trans-1,2-Dichloroethene	2.3J	7.8
cis-1,2-Dichloroethene	7.6J	7.8
Chloroform	ND	7.8
1,2-Dichloroethane	ND	3.1
1,1,1-Trichloroethane	ND	7.8
Carbon Tetrachloride	ND	3.1
Bromodichloromethane	ND	1.6
1,2-Dichloropropane	ND	1.6
cis-1,3-Dichloropropene	ND	7.8
Trichloroethene	8.4	1.6
Dibromochloromethane	ND	7.8
1,1,2-Trichloroethane	ND	4.7
Benzene	3.2	1.6
trans-1,3-Dichloropropene	ND	7.8
2-Chloroethyl Vinyl Ether	ND	7.8
Bromoform	ND	6.3
Tetrachloroethene	12	1.6
1,1,2,2-Tetrachloroethane	ND	1.6
Toluene	11	7.8
Chlorobenzene	ND	7.8
Ethylbenzene	4.1J	6.3
Xylene (Total)	11	7.8

Client ID: **ES-1_ElShaft_4th**
Site: Rexam DSI

Lab Sample No: **237829**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10513.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.3 g
Purge Volume: 5.0 ml
% Moisture: 40.4

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. C11H24 Alkane	16.13	270	
2. C11H24 Alkane	16.57	220	
3. C11H22 Cycloalkane	16.71	370	
4. C12H26 Alkane	16.79	320	
5. C11H22 Cycloalkane	16.93	470	
6. C12H26 Alkane	17.22	260	
7. C12H24 Cycloalkane	17.33	390	
8. Unknown	17.41	490	
9. Decahydromethylnaphthalene isomer	17.67	380	
10. C13H28 Alkane	17.90	450	
11.			
12.			
13.			
14.			
15.			
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29.			
30.			

TOTAL ESTIMATED CONCENTRATION	3620

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10513.d
Report Date: 01-Nov-2000 17:15

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10513.d
Lab Smp Id: 237829 Client Smp ID: ES-1_ElShaft_4th
Inj Date : 31-OCT-2000 17:10
Operator : VOAMS 8 Inst ID: VOAMS1.i
Smp Info : 237829;;40.4;5.35;5
Misc Info : F104;1918;FM
Comment :
Method : /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/8260L_00.m
Meth Date : 31-Oct-2000 13:55 ken Quant Type: ISTD
Cal Date : 20-OCT-2000 18:54 Cal File: a10343.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.35000	Weight of sample extracted (g)
M	40.40000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	6 Methylene Chloride	84	6.734	6.701	(0.665)	10265	1.10974	1.7(a)
	12 trans-1,2-Dichloroethene	96	7.177	7.129	(0.708)	13855	1.45011	2.3(a)
	13 cis-1,2-Dichloroethene	96	8.610	8.577	(0.850)	50535	4.88423	7.6(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	9.688	9.655	(0.956)	559238	68.8731	110
	28 Benzene	78	9.821	9.788	(0.969)	46321	2.06042	3.2
*	19 Fluorobenzene	96	10.132	10.113	(1.000)	1361771	50.0000	
	25 Trichloroethene	95	10.619	10.586	(1.048)	70358	5.37625	8.4
$	37 Toluene-d8 (SUR)	98	12.067	12.049	(0.877)	645263	65.2648	100
	38 Toluene	91	12.156	12.137	(0.883)	86138	7.30422	11
	35 Tetrachloroethene	166	12.835	12.817	(0.932)	56368	7.41612	12
*	32 Chlorobenzene-d5	117	13.766	13.748	(1.000)	510009	50.0000	
	40 Ethylbenzene	106	13.899	13.866	(1.010)	11745	2.62090	4.1(a)
M	45 Xylene (Total)	100				37672	7.01544	11
$	41 Bromofluorobenzene (SUR)	174	15.051	15.033	(0.925)	215026	75.5089	120
*	91 1,4-Dichlorobenzene-d4	152	16.277	16.274	(1.000)	129244	50.0000	

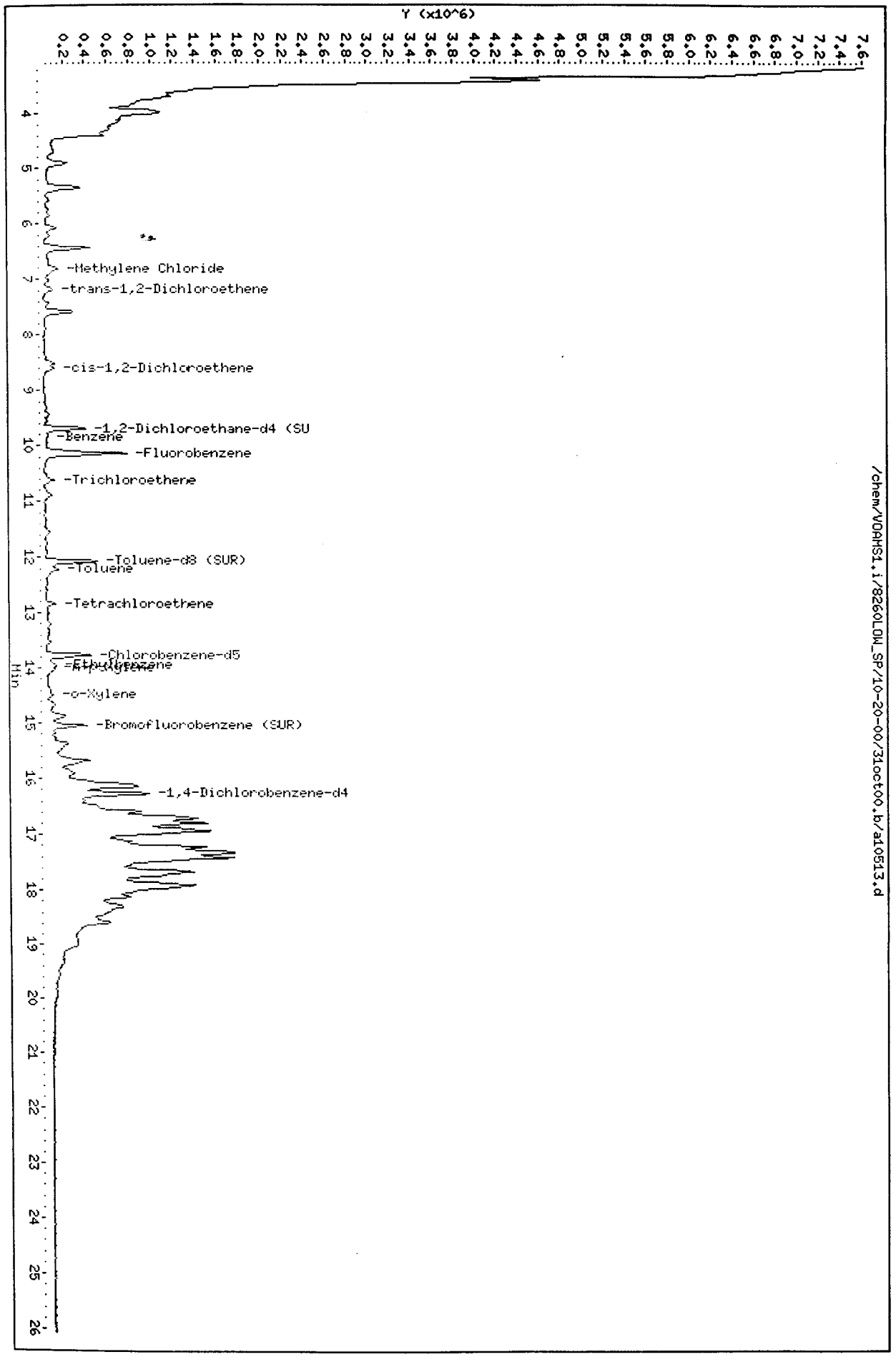
Confirmed by Alpha

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10513.d
Report Date: 01-Nov-2000 17:15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
44 o-Xylene	106	14.475	14.442	(1.052)	9844	1.87559	2.9(a)
43 m+p-Xylene	106	14.002	13.984	(1.017)	27828	5.12432	8.0(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).


Data File: /chem/VOAHS1.i/8260LOW_SP/10-20-00/31oct00.b/a10513.d
Date : 31-OCT-2000 17:10
Client ID: ES-1_ElShaft_4th
Sample Info: 237829;;40.4;5.35;5
Column phase: DB624
Instrument: VOAHS1.i
Operator: VOAHS 8
Column diameter: 0.53
Y (x10^6)
/chem/VOAHS1.i/8260LOW_SP/10-20-00/31oct00.b/a10513.d
Min
-Methylene Chloride
-trans-1,2-Dichloroethene
-cis-1,2-Dichloroethene
-1,2-Dichloroethane-d4 (SU
-Benzene
-Fluorobenzene
-Trichloroethene
-Toluene-d8 (SUR)
-Toluene
-Tetrachloroethene
-Chlorobenzene-d5
-o-Xylene
-Bromofluorobenzene (SUR)
-1,4-Dichlorobenzene-d4

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10513.d

Date : 31-OCT-2000 17:10

Client ID: ES-1_ElShaft_4th

Instrument: VOAMS1.i

Sample Info: 237829;;40.4;5.35;5

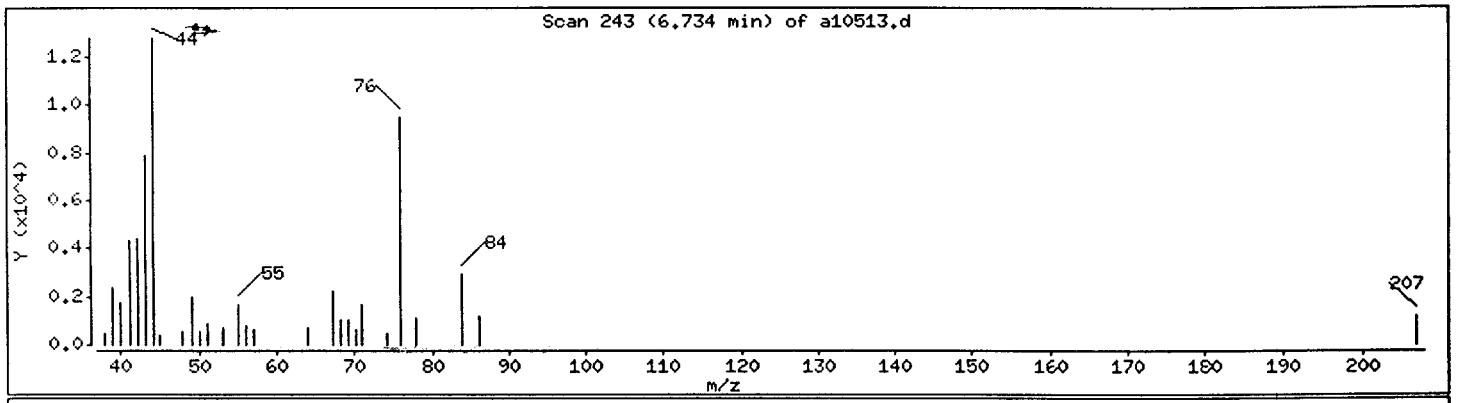
Operator: VOAMS 8

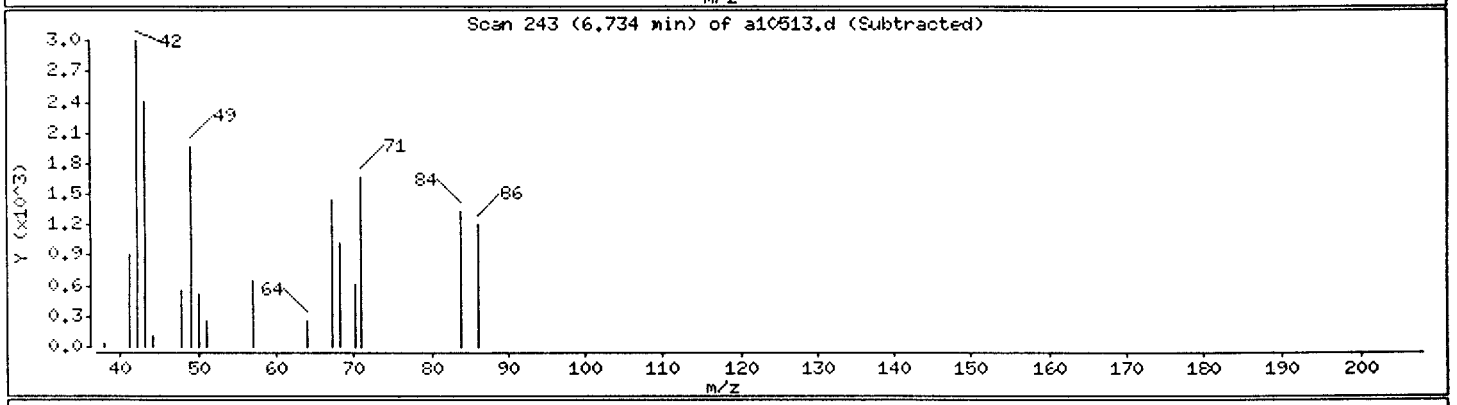
Column phase: DB624

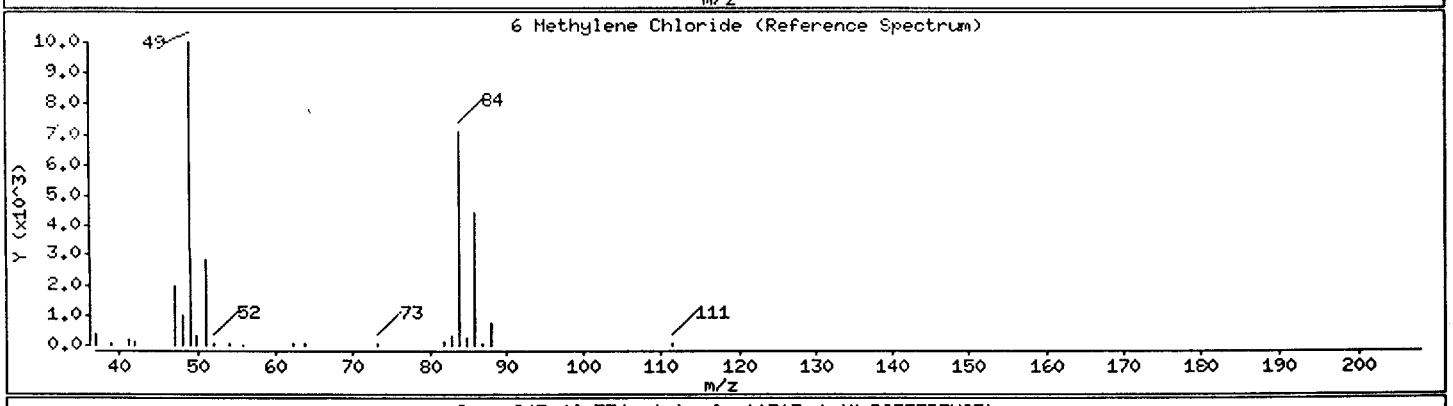
Column diameter: 0.53

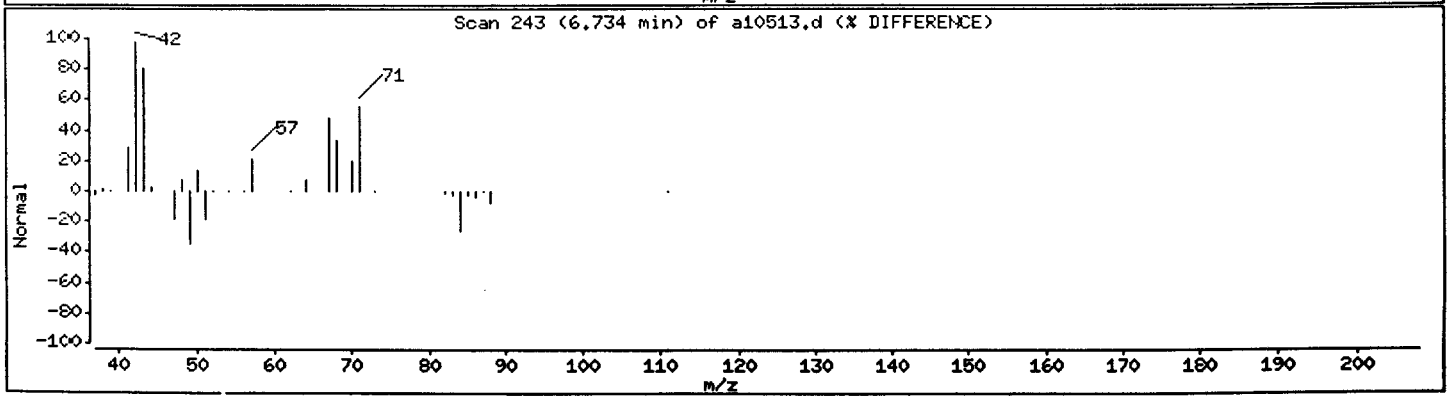
6 Methylene Chloride

Concentration: 1.7 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10513.d

Date : 31-OCT-2000 17:10

Client ID: ES-1_ElShaft_4th

Instrument: VOAMS1.i

Sample Info: 237829;;40.4;5.35;5

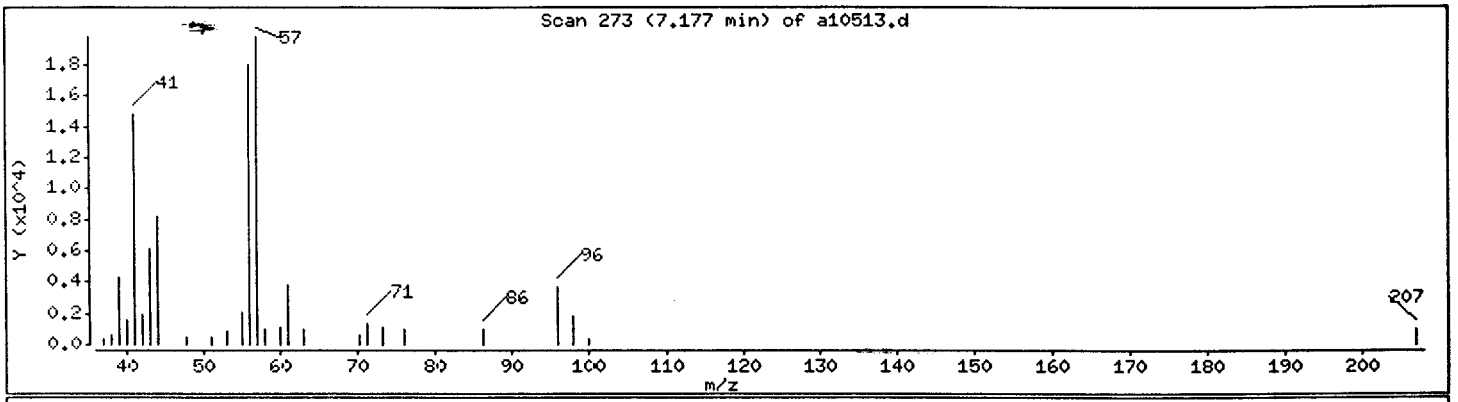
Operator: VOAMS 8

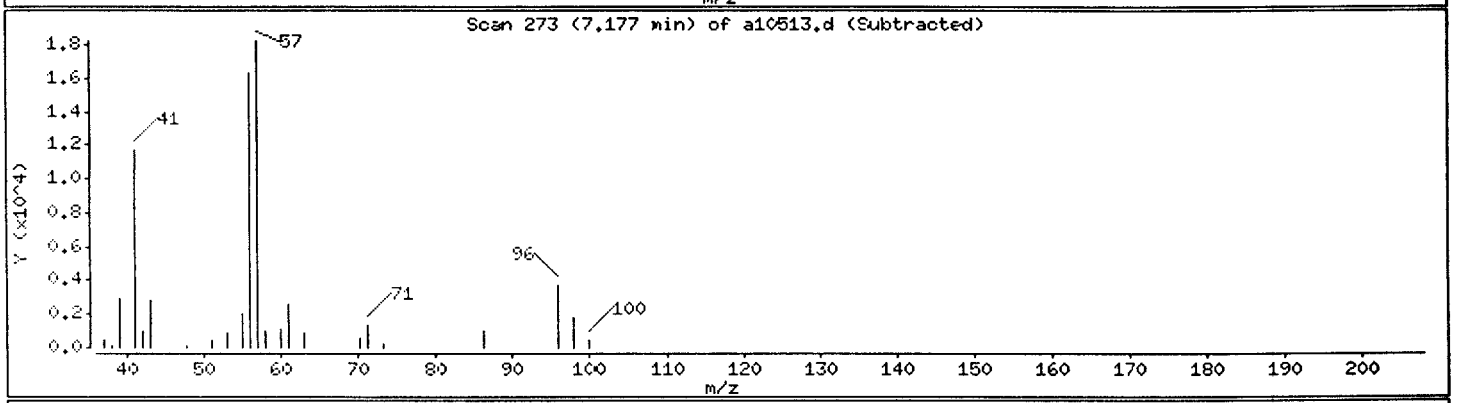
Column phase: DB624

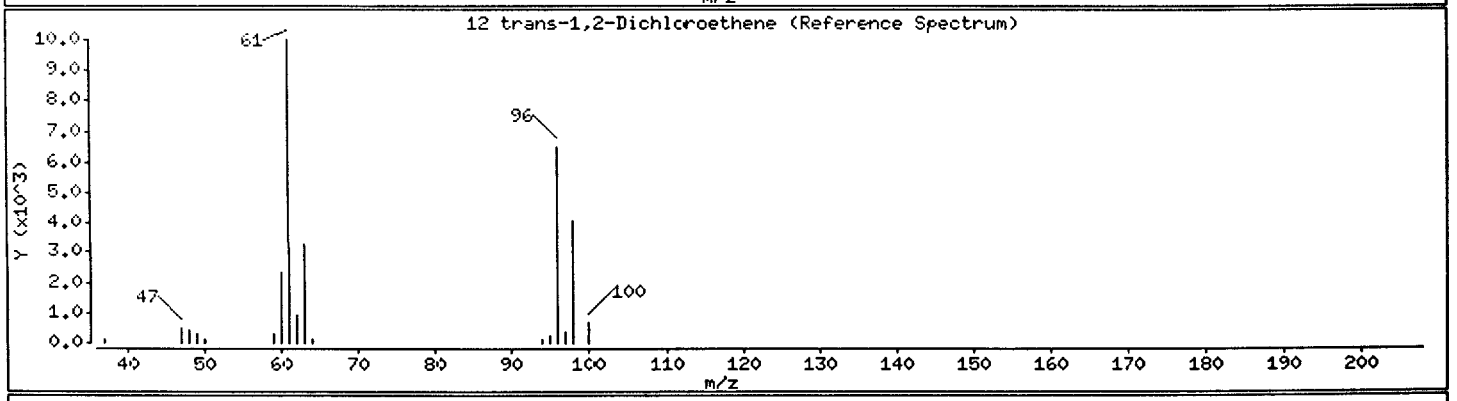
Column diameter: 0.53

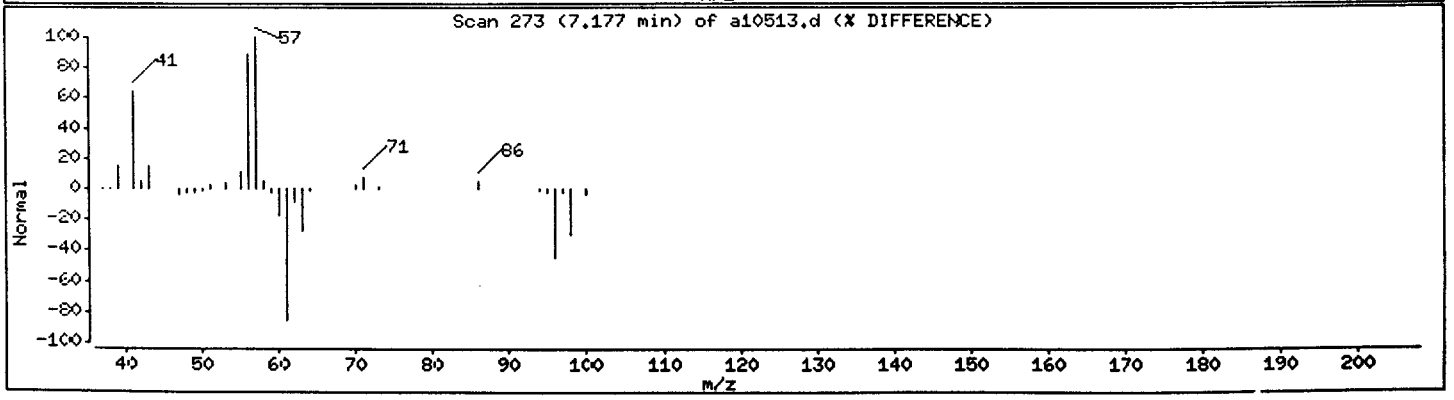
12 trans-1,2-Dichloroethene

Concentration: 2.3 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10513.d

Date : 31-OCT-2000 17:10

Client ID: ES-1_ElShaft_4th

Instrument: VOAMS1.i

Sample Info: 237829;;40.4;5.35;5

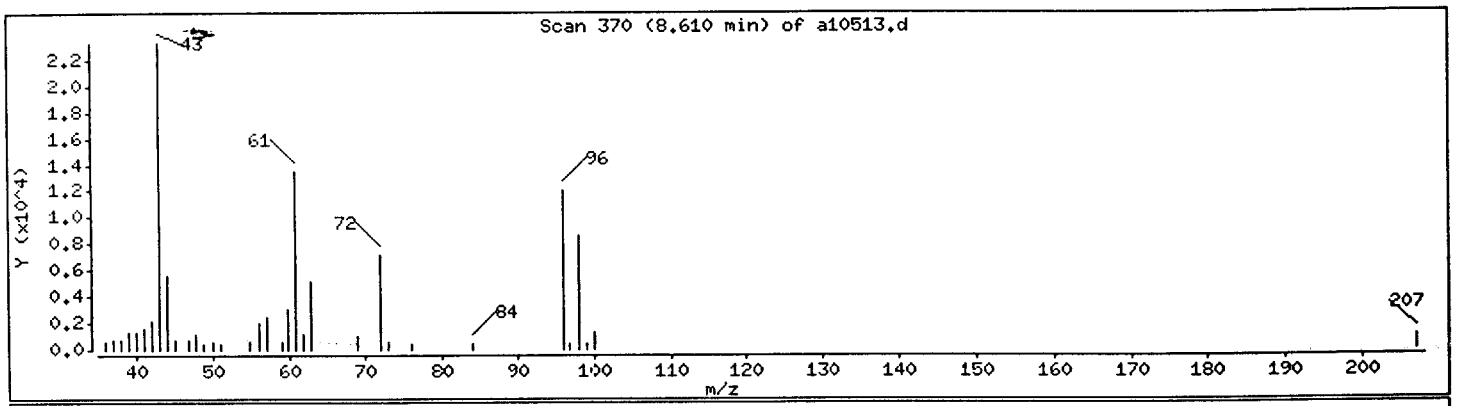
Operator: VOAMS 8

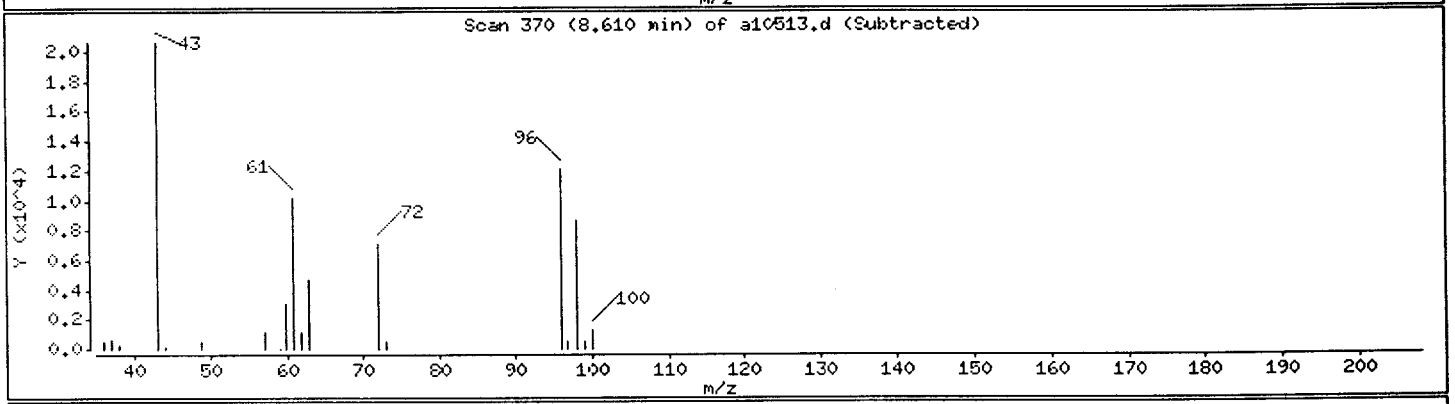
Column phase: DB624

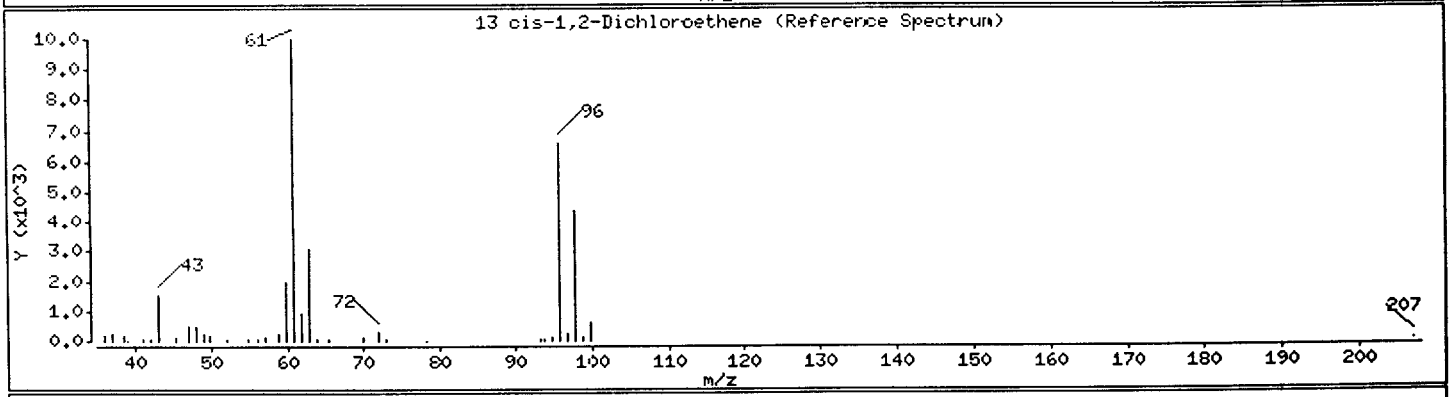
Column diameter: 0.53

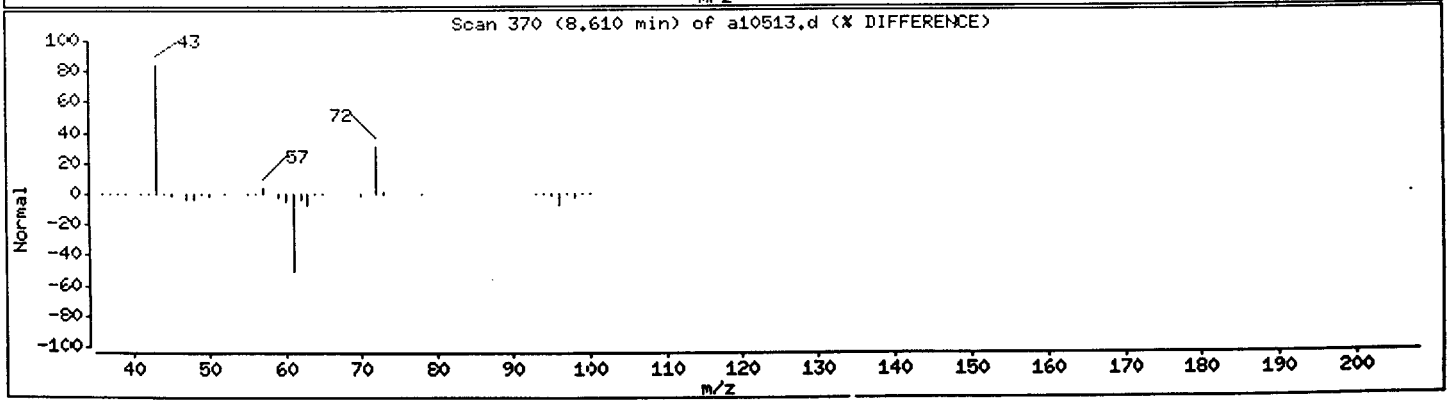
13 cis-1,2-Dichloroethene

Concentration: 7.6 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10513.d

Date : 31-OCT-2000 17:10

Client ID: ES-1_ElShaft_4th

Instrument: VOAMS1.i

Sample Info: 237829;;40.4;5.35;5

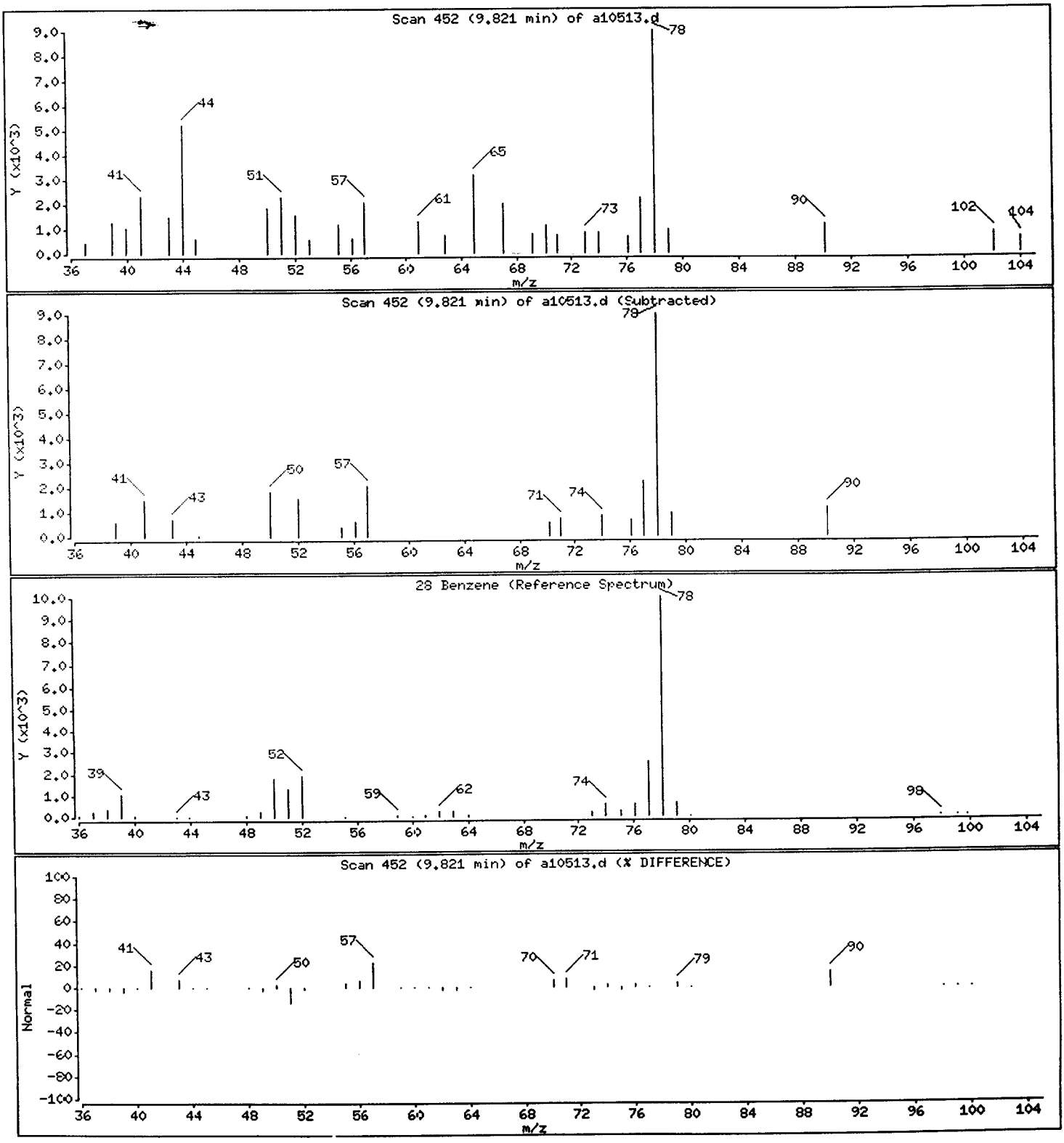
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

28 Benzene

Concentration: 3.2 ug/Kg



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Date : 31-OCT-2000 17:10

Client ID: ES-1_ElShaft_4th

Instrument: VOAMS1.i

Sample Info: 237829;;40.4;5.35;5

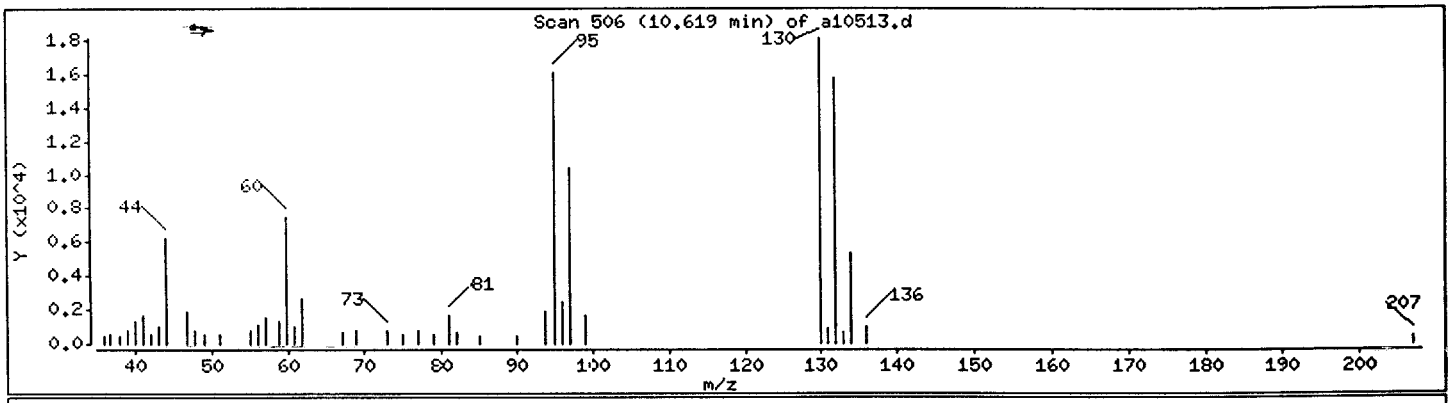
Operator: VOAMS 8

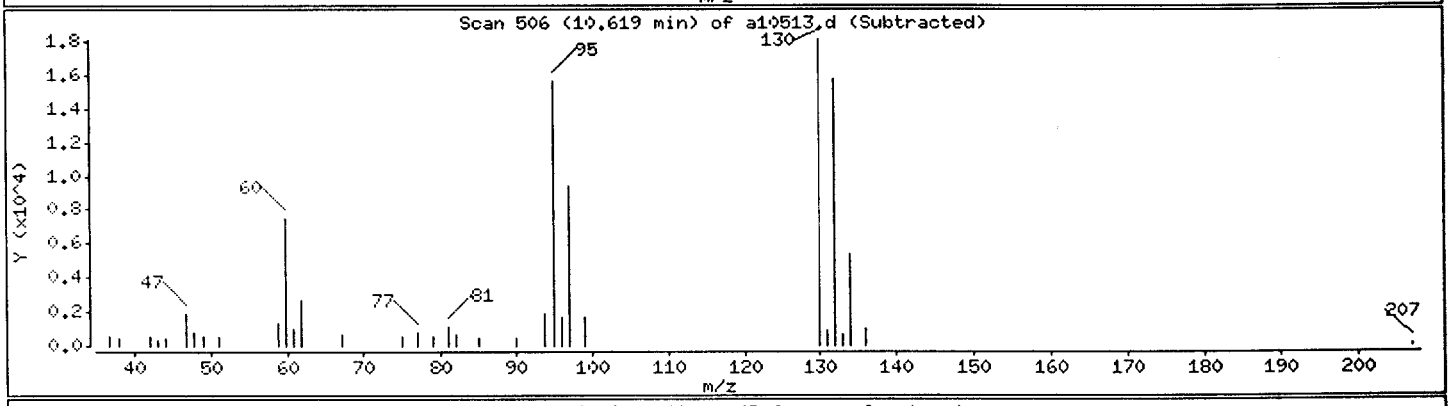
Column phase: DB624

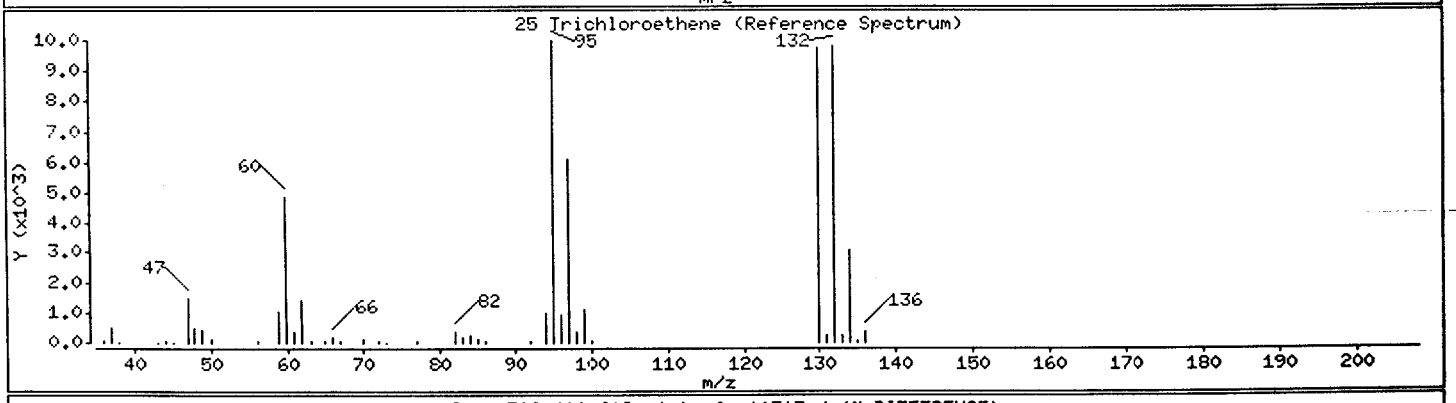
Column diameter: 0.53

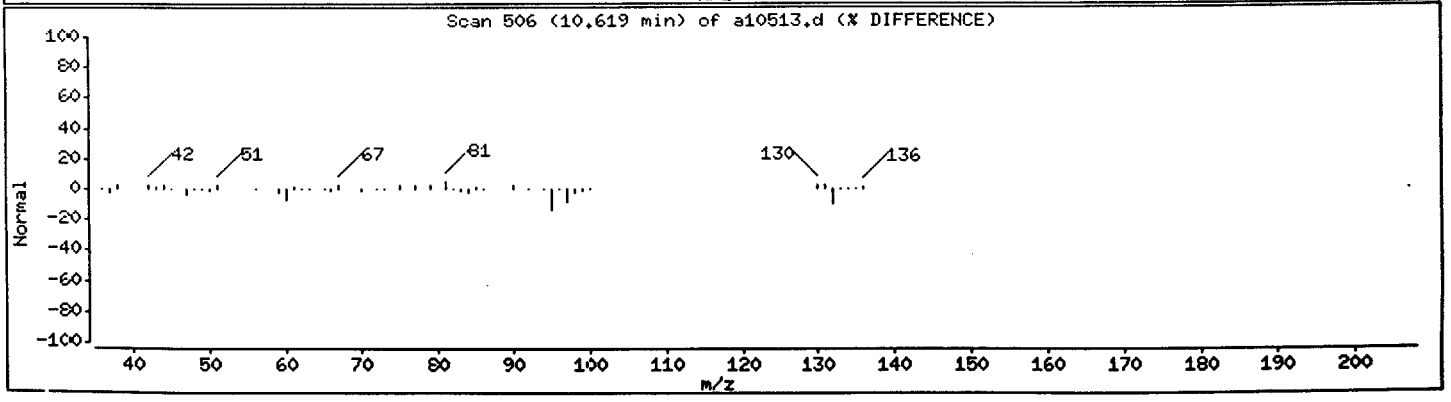
25 Trichloroethene

Concentration: 8.4 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10513.d

Date : 31-OCT-2000 17:10

Client ID: ES-1_ElShaft_4th

Instrument: VOAMS1.i

Sample Info: 237829;;40.4;5.35;5

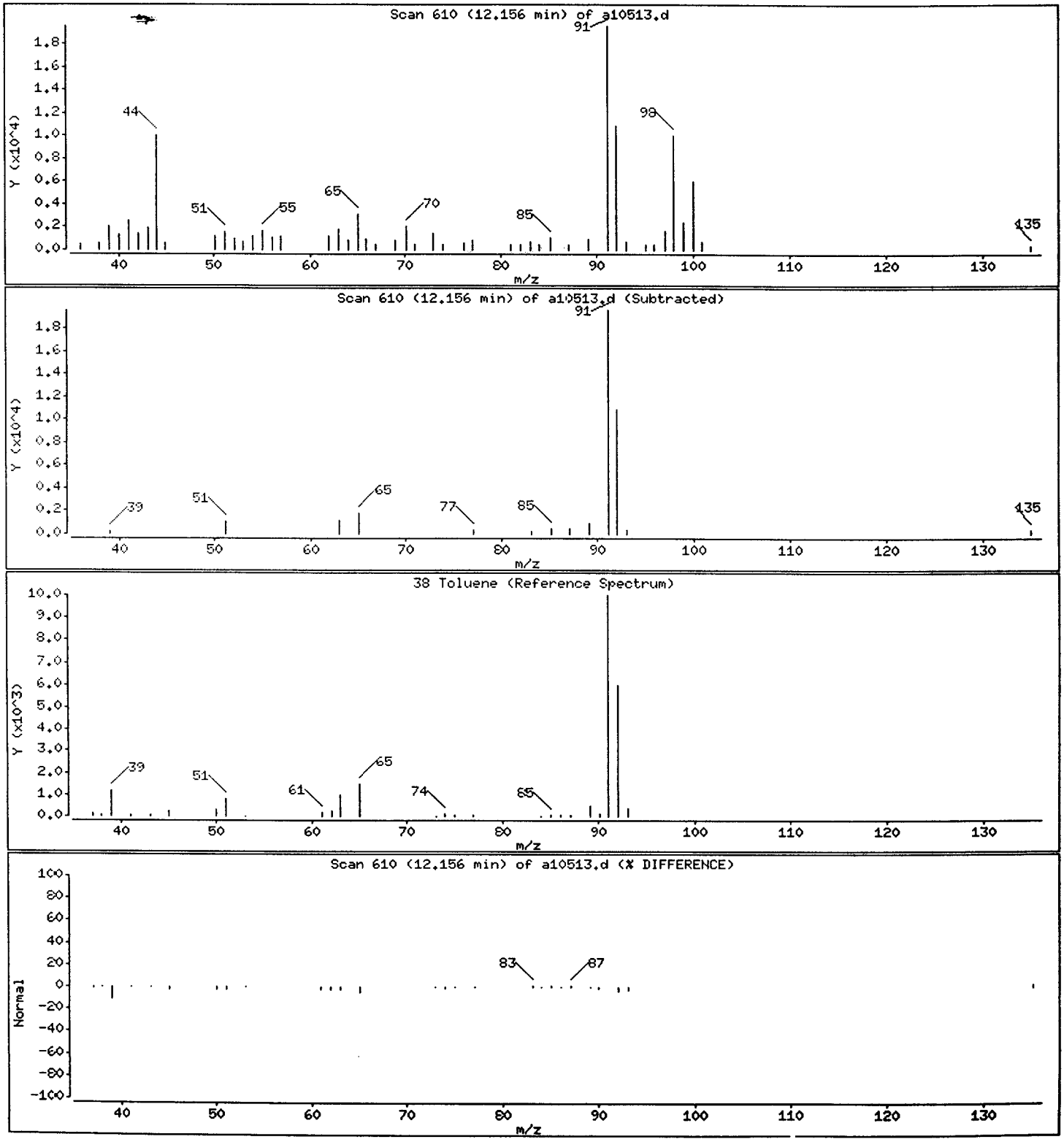
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

38 Toluene

Concentration: 11 ug/Kg



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Date : 31-OCT-2000 17:10

Client ID: ES-1_ElShaft_4th

Instrument: VOAMS1.i

Sample Info: 237829;;40.4;5.35;5

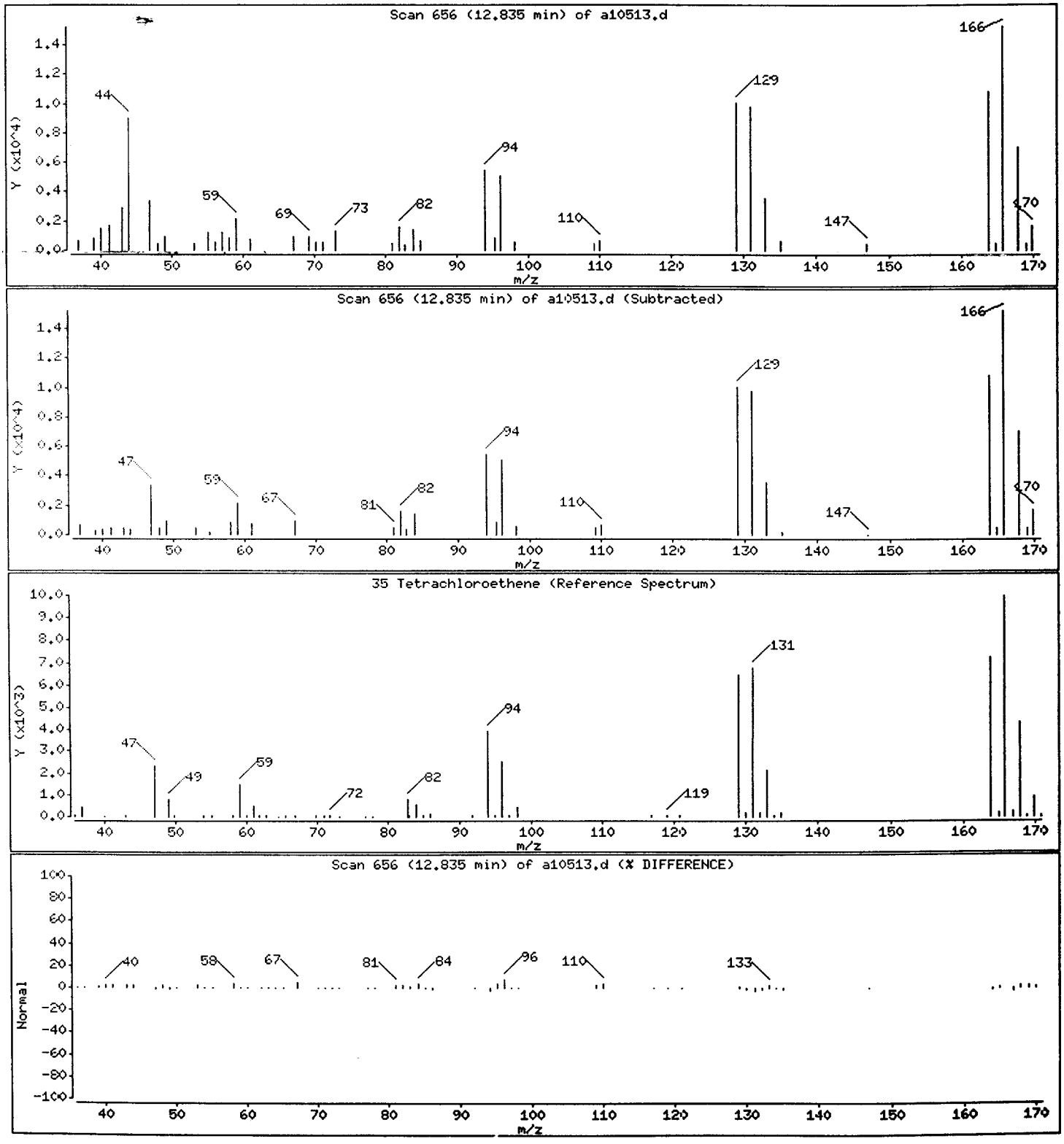
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

35 Tetrachloroethene

Concentration: 12 ug/Kg



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10513.d

Date : 31-OCT-2000 17:10

Client ID: ES-1_ElShaft_4th

Instrument: VOAMS1.i

Sample Info: 237829;;40.4;5.35;5

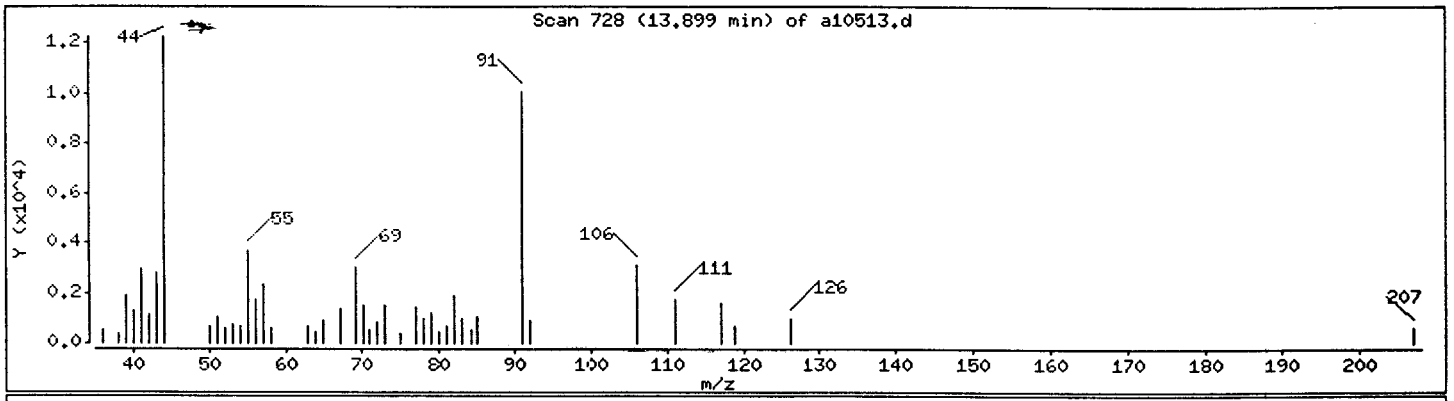
Operator: VOAMS 8

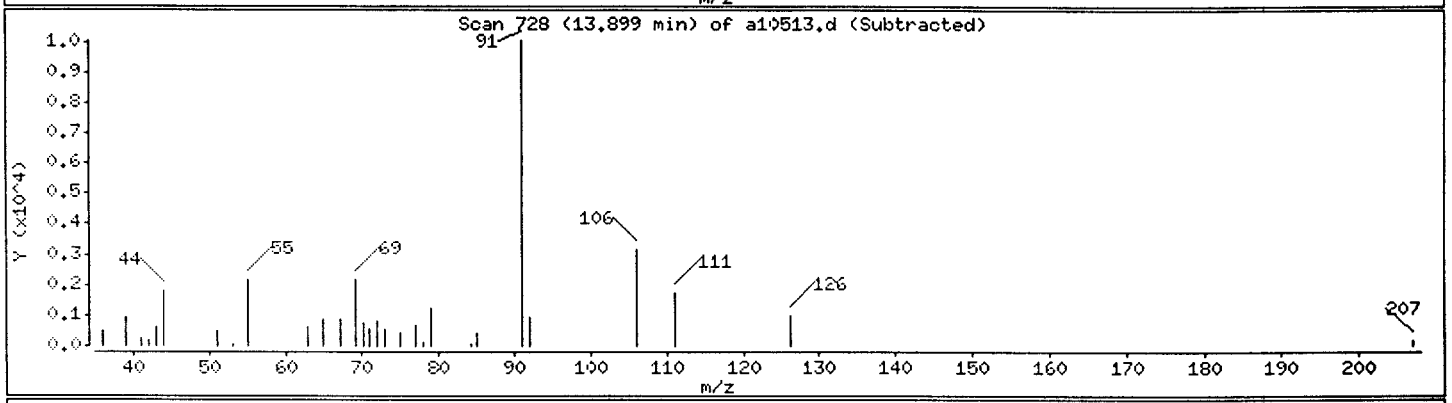
Column phase: DB624

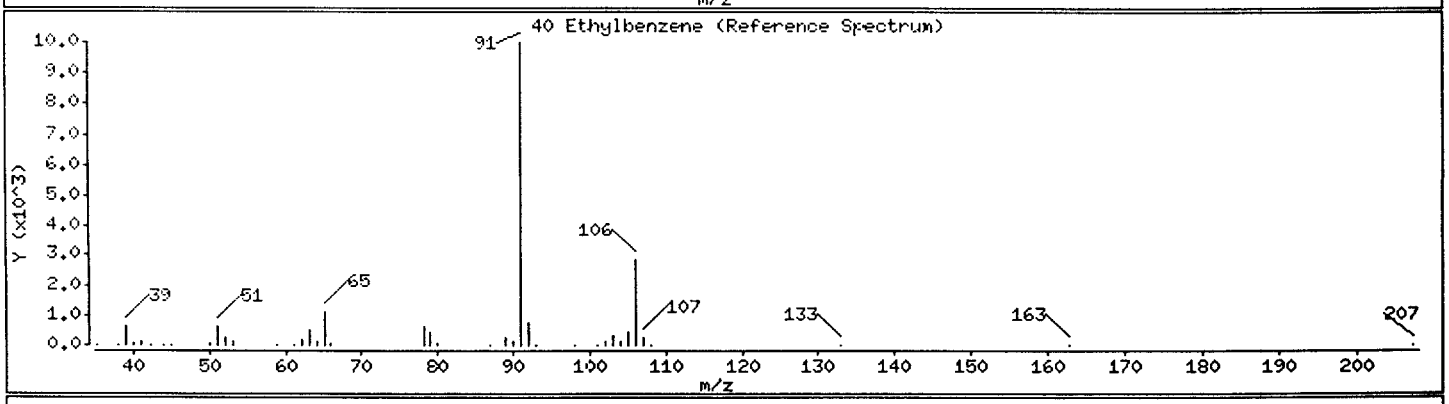
Column diameter: 0.53

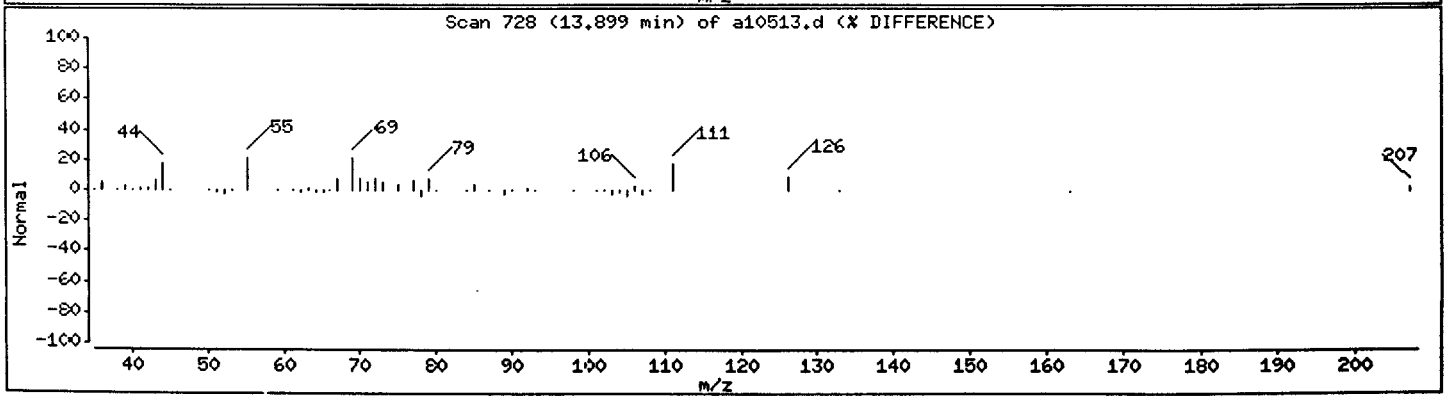
40 Ethylbenzene

Concentration: 4.1 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10513.d

Date : 31-OCT-2000 17:10

Client ID: ES-1_ElShaft_4th

Instrument: VOAMS1.i

Sample Info: 237829;;40.4;5.35;5

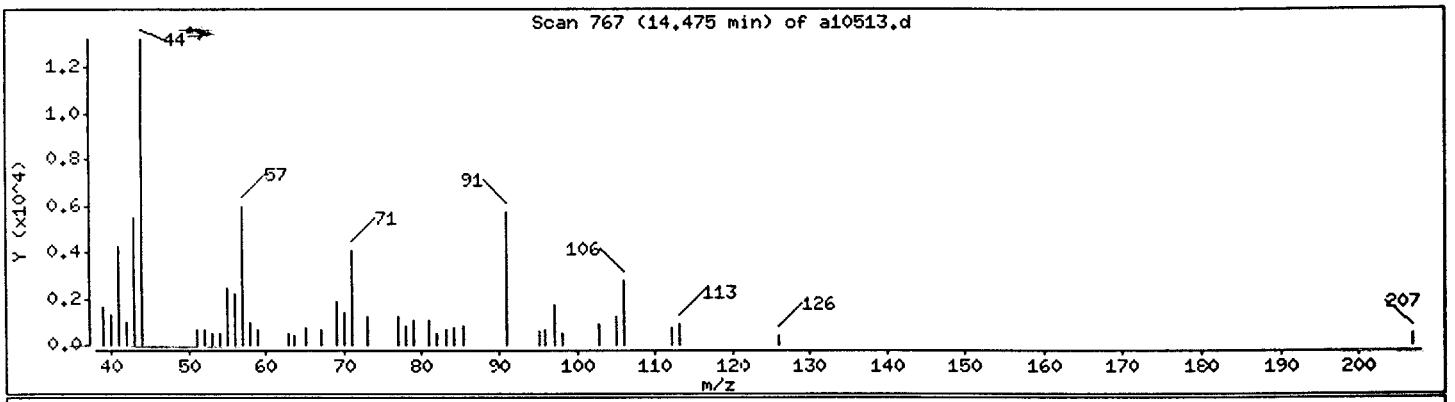
Operator: VOAMS 8

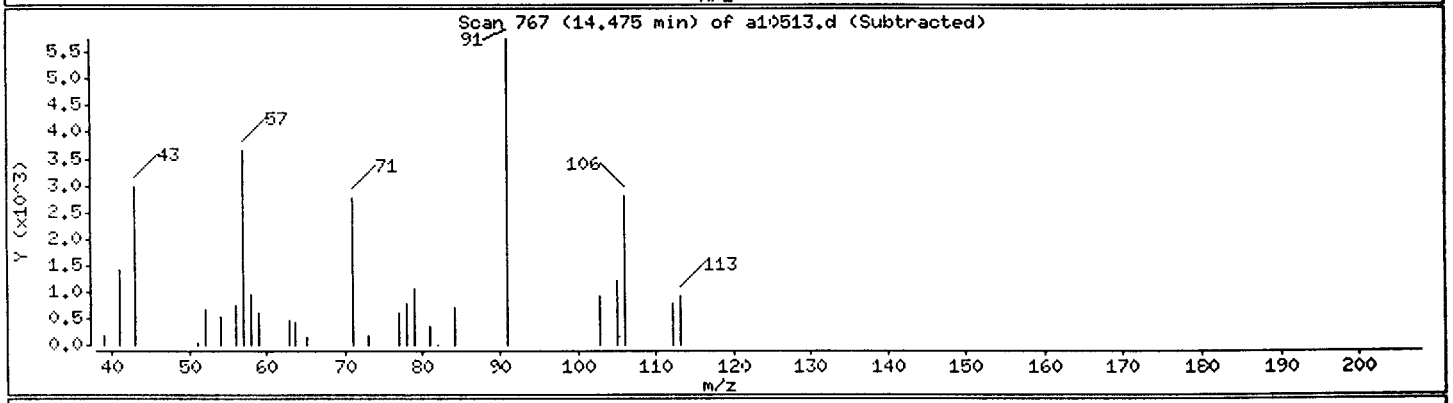
Column phase: DB624

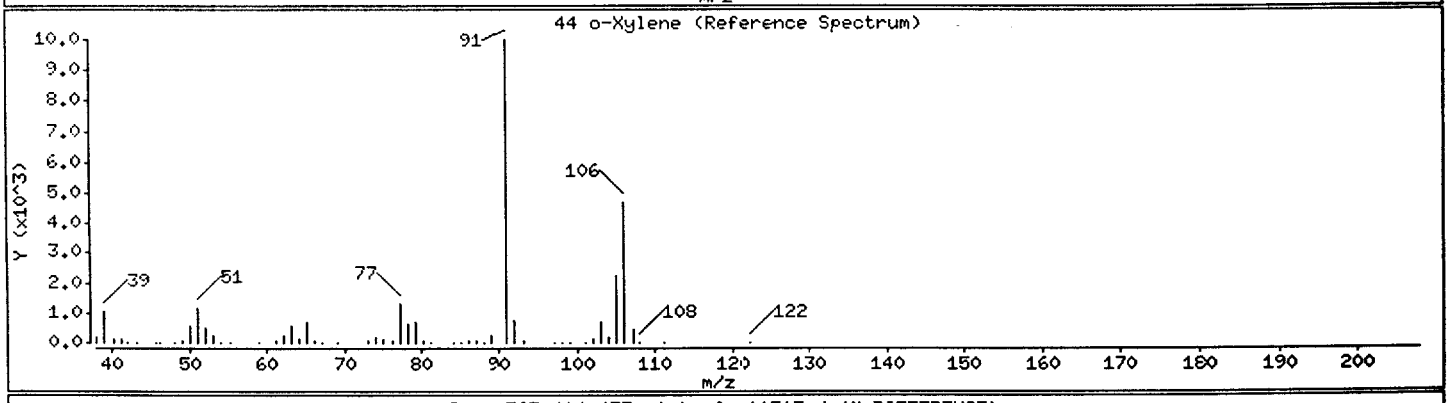
Column diameter: 0.53

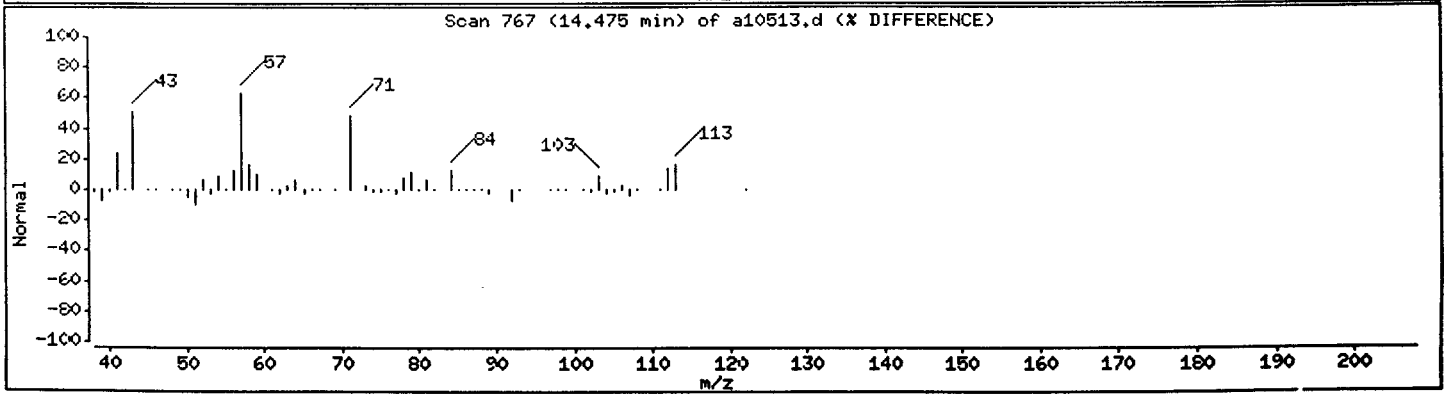
44 o-Xylene

Concentration: 2.9 ug/Kg









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Date : 31-OCT-2000 17:10

Client ID: ES-1_ElShaft_4th

Instrument: VOAMS1.i

Sample Info: 237829;;40.4;5.35;5

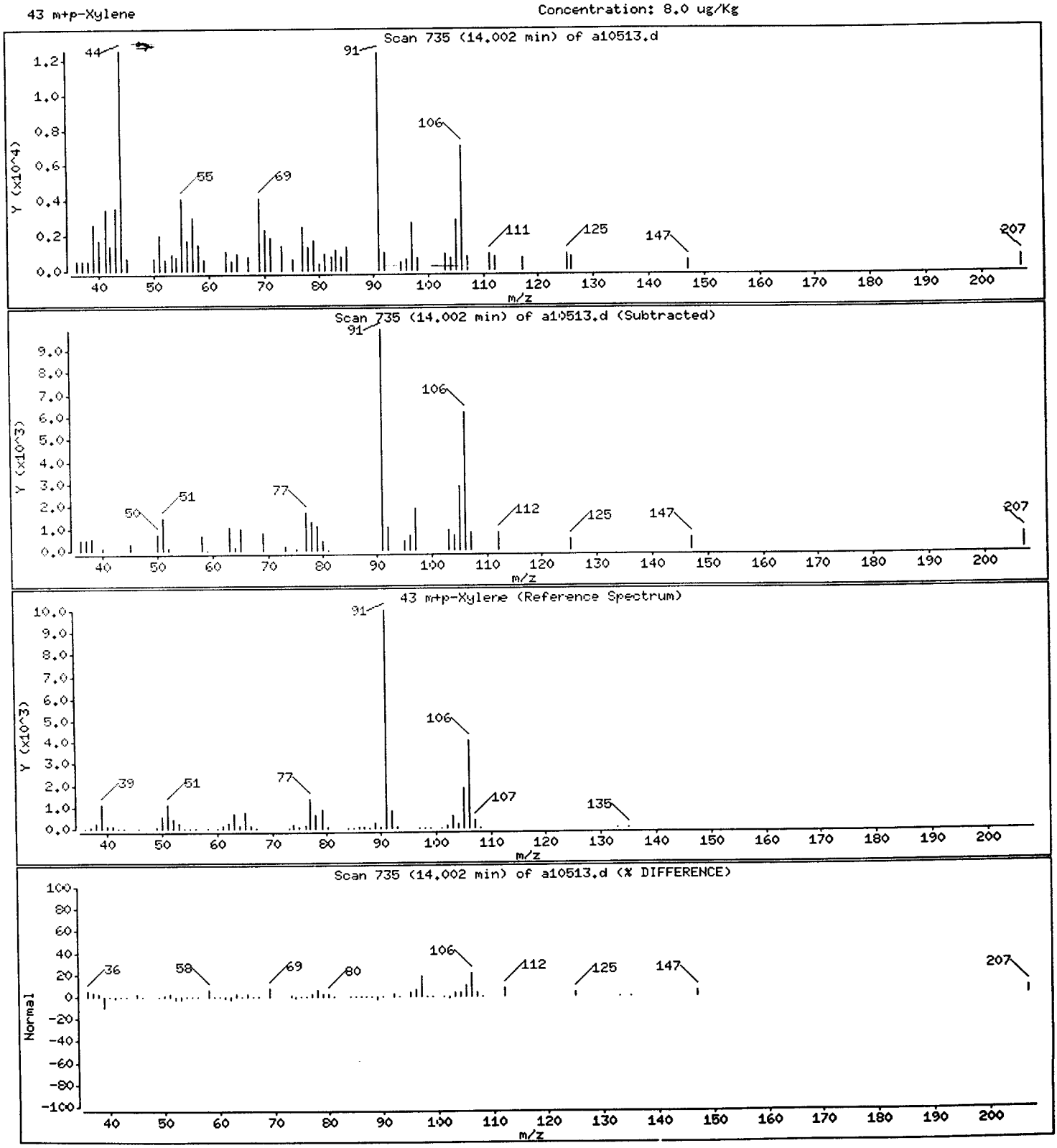
Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

43 m+p-Xylene

Concentration: 8.0 ug/Kg



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10513.d

Date : 31-OCT-2000 17:10

Client ID: ES-1_ElShaft_4th

Instrument: VOAMS1.i

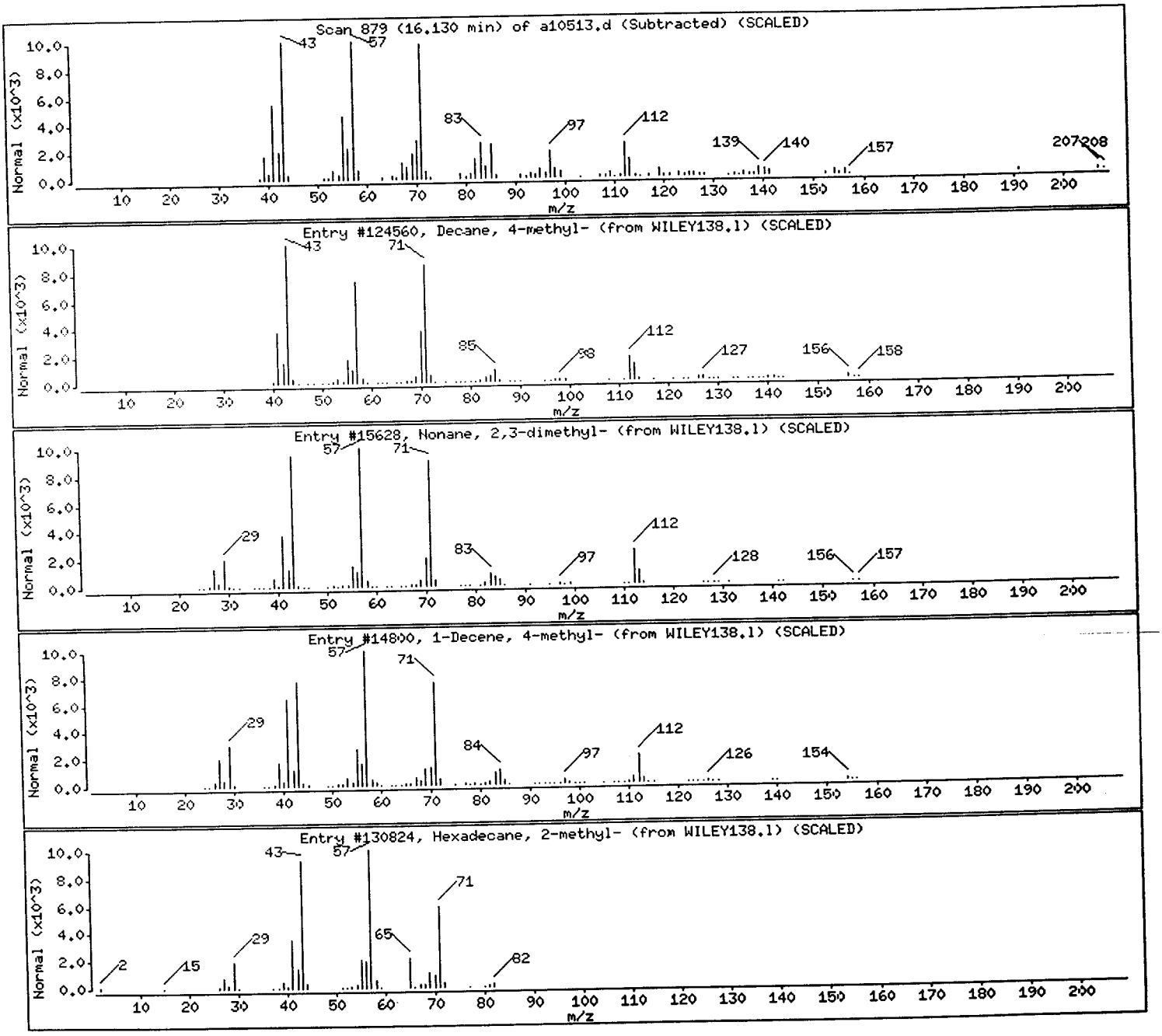
Sample Info: 237829;;40.4;5.35;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C11H24 Alkane						
Decane, 4-methyl-	2847-72-5	WILEY138.l	124560	64	C11H24	156
Nonane, 2,3-dimethyl-	2884-06-2	WILEY138.l	15628	59	C11H24	156
1-Decene, 4-methyl-	13151-29-6	WILEY138.l	14800	58	C11H22	154
Hexadecane, 2-methyl-	1560-92-5	WILEY138.l	130824	47	C17H36	240



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10513.d

Date : 31-OCT-2000 17:10

Client ID: ES-1_ElShaft_4th

Instrument: VOAMS1.i

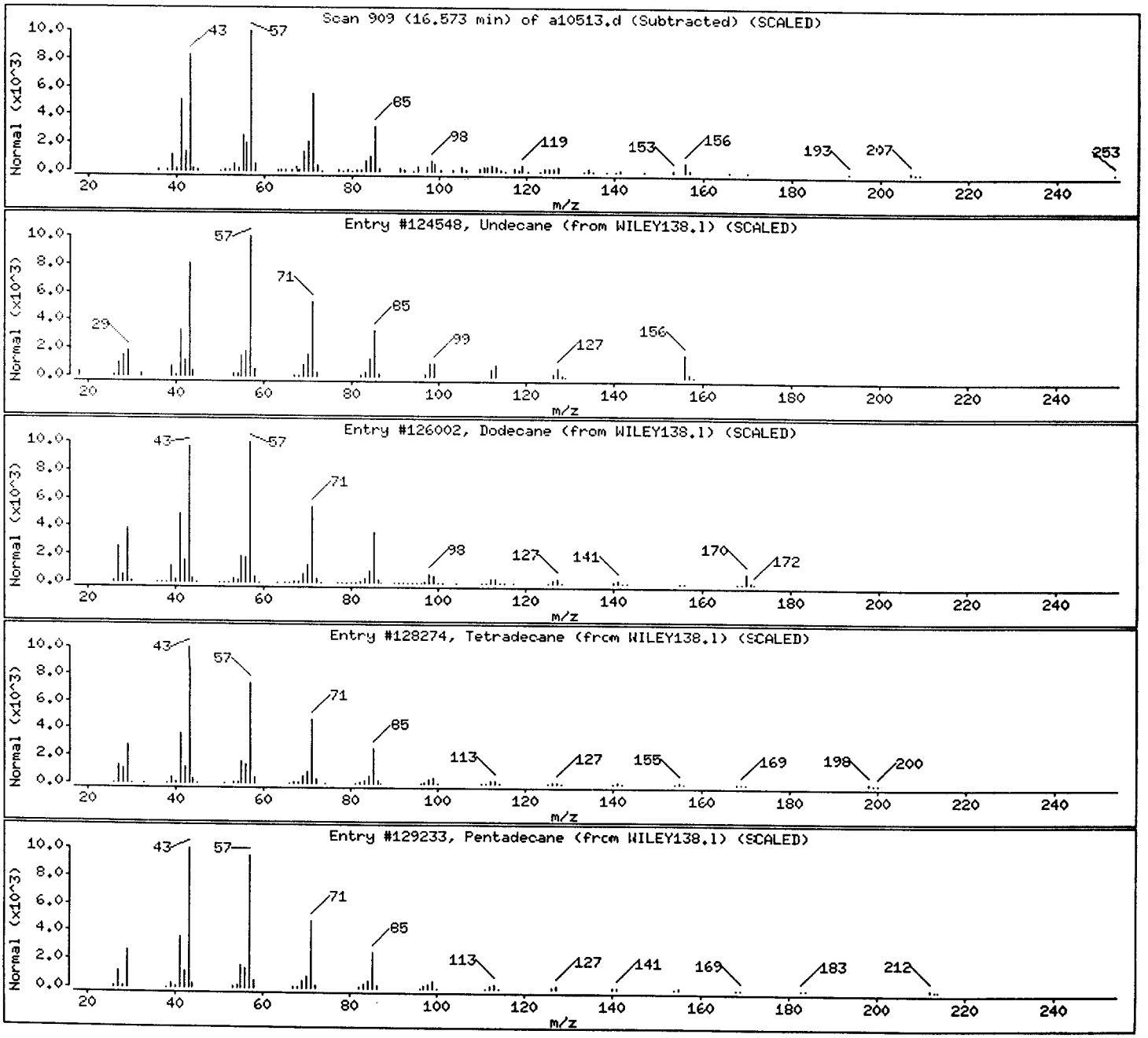
Sample Info: 237829;;40.4;5.35;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C11H24 Alkane						
Undecane	1120-21-4	WILEY138.l	124548	93	C11H24	156
Dodecane	112-40-3	WILEY138.l	126002	80	C12H26	170
Tetradecane	629-59-4	WILEY138.l	128274	72	C14H30	198
Pentadecane	629-62-9	WILEY138.l	129233	72	C15H32	212



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10513.d

Date : 31-OCT-2000 17:10

Client ID: ES-1_ElShaft_4th

Instrument: VOAMS1.i

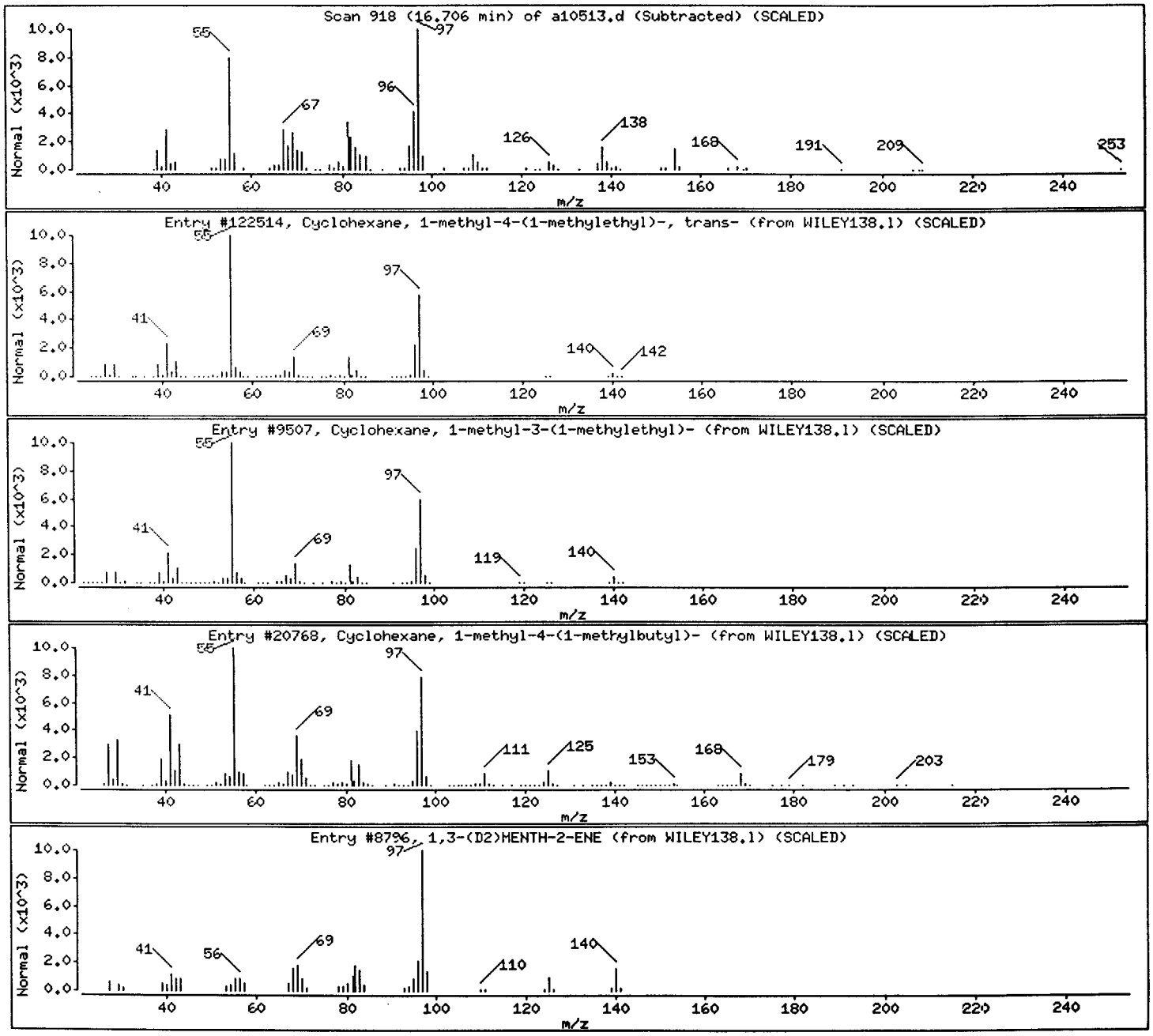
Sample Info: 237829;;40.4;5.35;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C11H22 Cycloalkane						
Cyclohexane, 1-methyl-4-(1-methylethyl)-	1678-82-6	WILEY138.l	122514	50	C10H20	140
Cyclohexane, 1-methyl-3-(1-methylethyl)-	16580-24-8	WILEY138.l	9507	50	C10H20	140
Cyclohexane, 1-methyl-4-(1-methylbutyl)-	54411-00-6	WILEY138.l	20768	50	C12H24	168
1,3-(D2)MENTH-2-ENE	5503-89-9	WILEY138.l	8796	47	C10H16D2	138



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10513.d

Date : 31-OCT-2000 17:10

Client ID: ES-1_ElShaft_4th

Instrument: VOAMS1.i

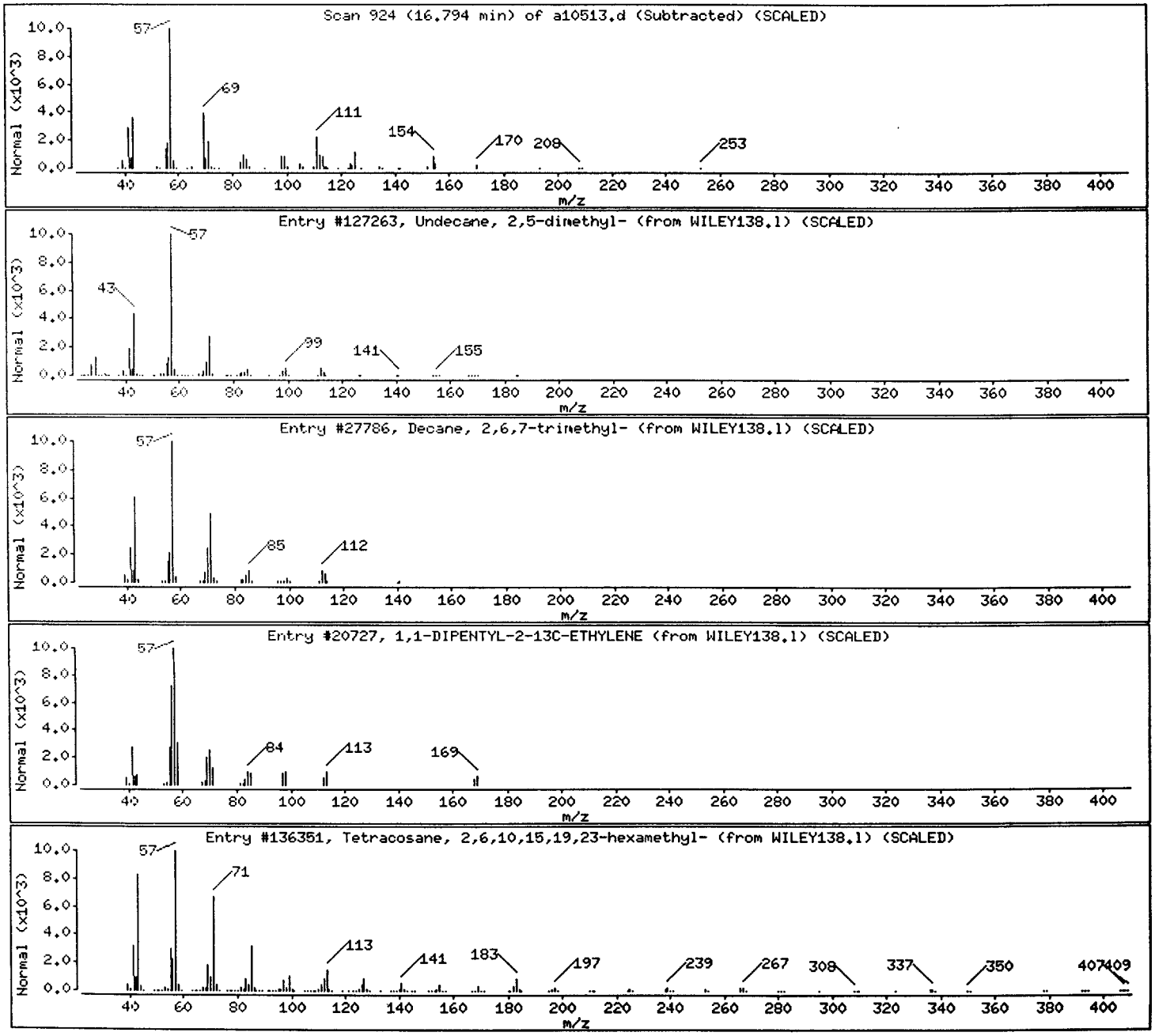
Sample Info: 237829;;40.4;5.35;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C12H26 Alkane						
Undecane, 2,5-dimethyl-	17301-22-3	WILEY138.l	127263	43	C13H28	184
Decane, 2,6,7-trimethyl-	62108-25-2	WILEY138.l	27786	37	C13H28	184
1,1-DIPENTYL-2-13C-ETHYLENE	33717-94-1	WILEY138.l	20727	35	C1113CH24	168
Tetracosane, 2,6,10,15,19,23-hexamethyl-	111-01-3	WILEY138.l	136351	27	C30H62	422



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10513.d

Date : 31-OCT-2000 17:10

Client ID: ES-1_ElShaft_4th

Instrument: VOAMS1.i

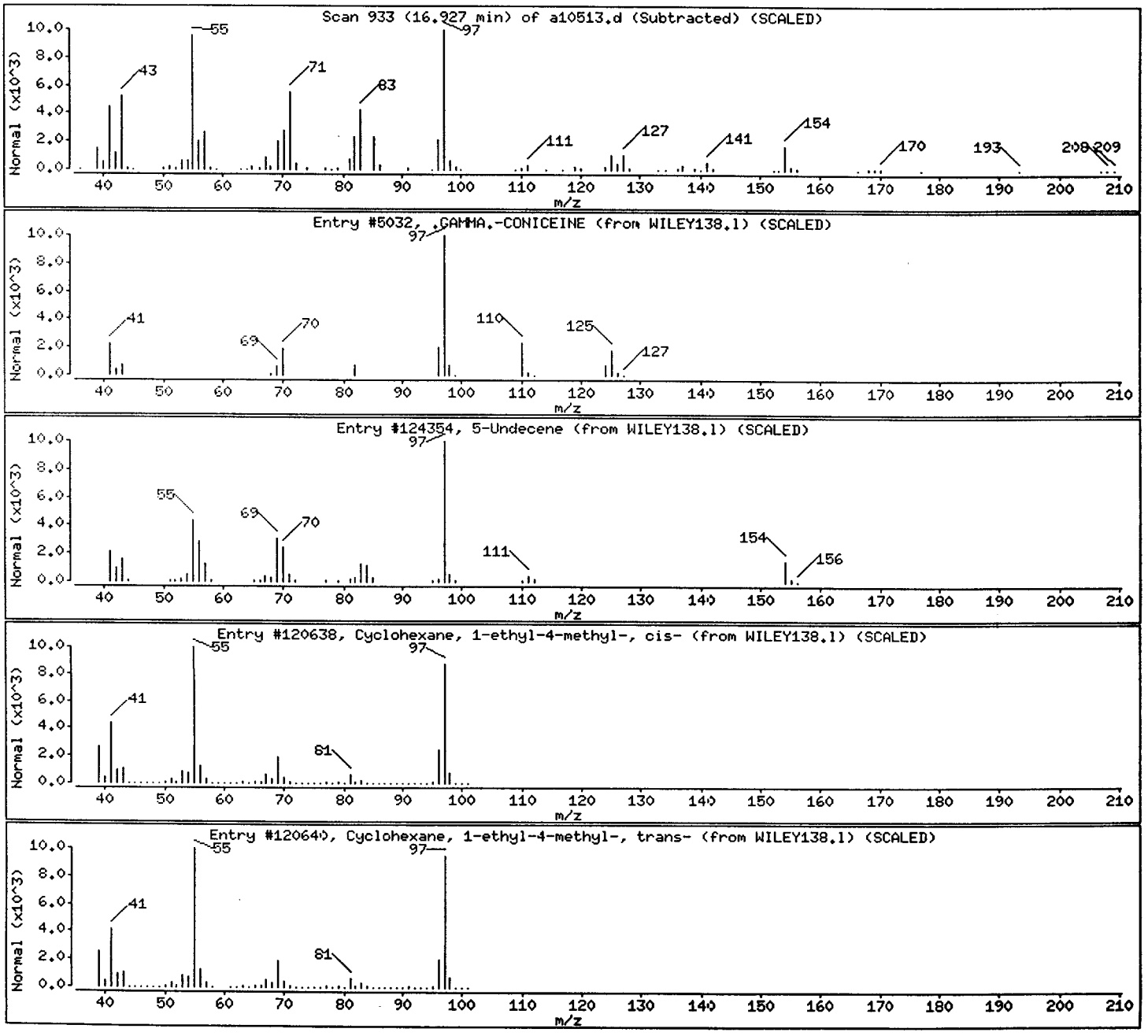
Sample Info: 237829;;40.4;5.35;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C11H22 Cycloalkane						
.GAMMA.-CONICEINE	0-00-0	WILEY138.l	5032	35	C8H15N	125
5-Undecene	4941-53-1	WILEY138.l	124354	35	C11H22	154
Cyclohexane, 1-ethyl-4-methyl-, cis-	4926-78-7	WILEY138.l	120638	30	C9H18	126
Cyclohexane, 1-ethyl-4-methyl-, trans-	6236-88-0	WILEY138.l	120640	27	C9H18	126



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10513.d

Date : 31-OCT-2000 17:10

Client ID: ES-1_ElShaft_4th

Instrument: VOAMS1.i

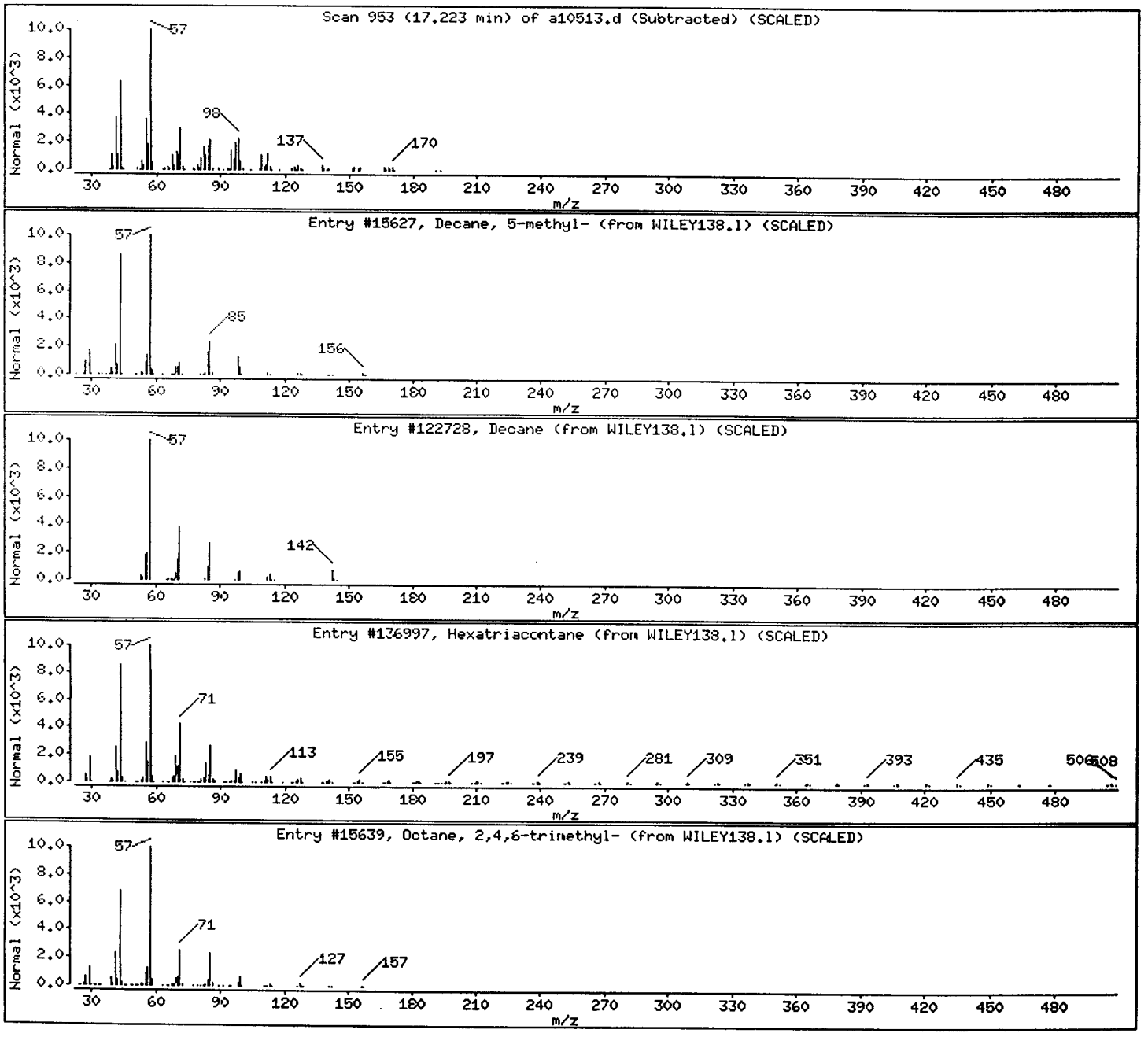
Sample Info: 237829;;40.4;5.35;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C12H26 Alkane						
Decane, 5-methyl-	13151-35-4	WILEY138.l	15627	35	C11H24	156
Decane	124-18-5	WILEY138.l	122728	35	C10H22	142
Hexatriacontane	630-06-8	WILEY138.l	136997	35	C36H74	507
Octane, 2,4,6-trimethyl-	62016-37-9	WILEY138.l	15639	35	C11H24	156



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10513.d

Date : 31-OCT-2000 17:10

Client ID: ES-1_ElShaft_4th

Instrument: VOAMS1.i

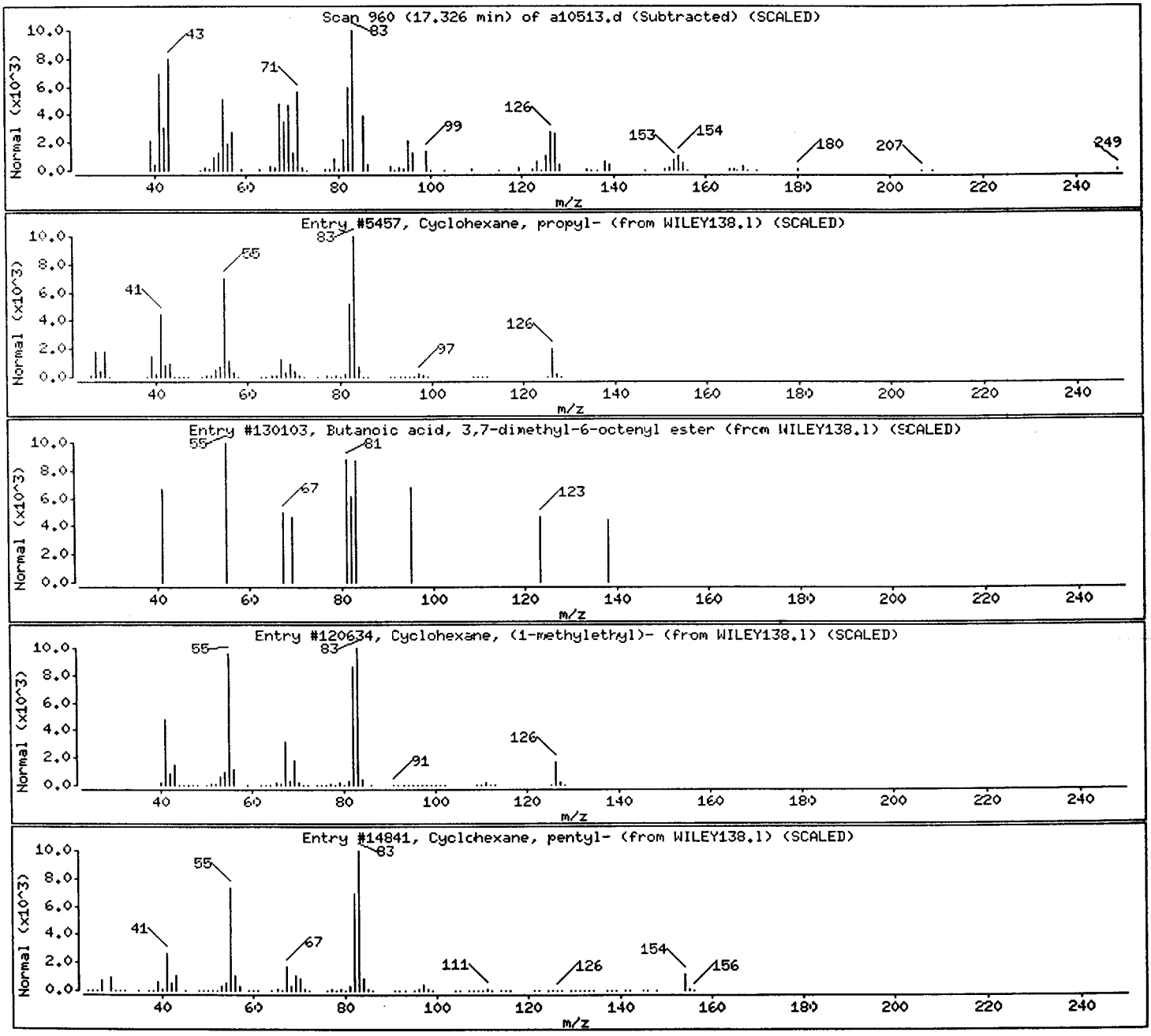
Sample Info: 237829;;40.4;5.35;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C12H24 Cycloalkane						
Cyclohexane, propyl-	1678-92-8	WILEY138.l	5457	38	C9H18	126
Butanoic acid, 3,7-dimethyl-6-octenyl es	141-16-2	WILEY138.l	130103	38	C14H26O2	226
Cyclohexane, (1-methylethyl)-	696-29-7	WILEY138.l	120634	35	C9H18	126
Cyclohexane, pentyl-	4292-92-6	WILEY138.l	14841	30	C11H22	154



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Date : 31-OCT-2000 17:10

Client ID: ES-1_ElShaft_4th

Instrument: VOAMS1.i

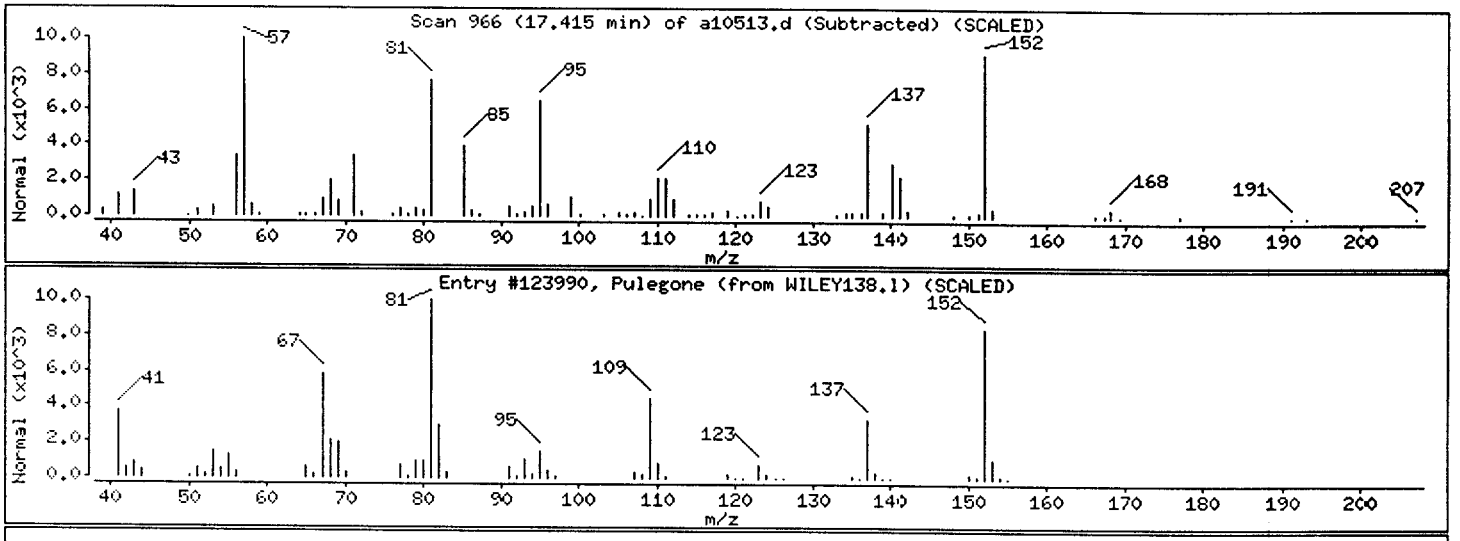
Sample Info: 237829;;40.4;5.35;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Pulegone	89-82-7	WILEY138.l	123990	32	C10H16O	152



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10513.d

Date : 31-OCT-2000 17:10

Client ID: ES-1_ElShaft_4th

Instrument: VOAMS1.i

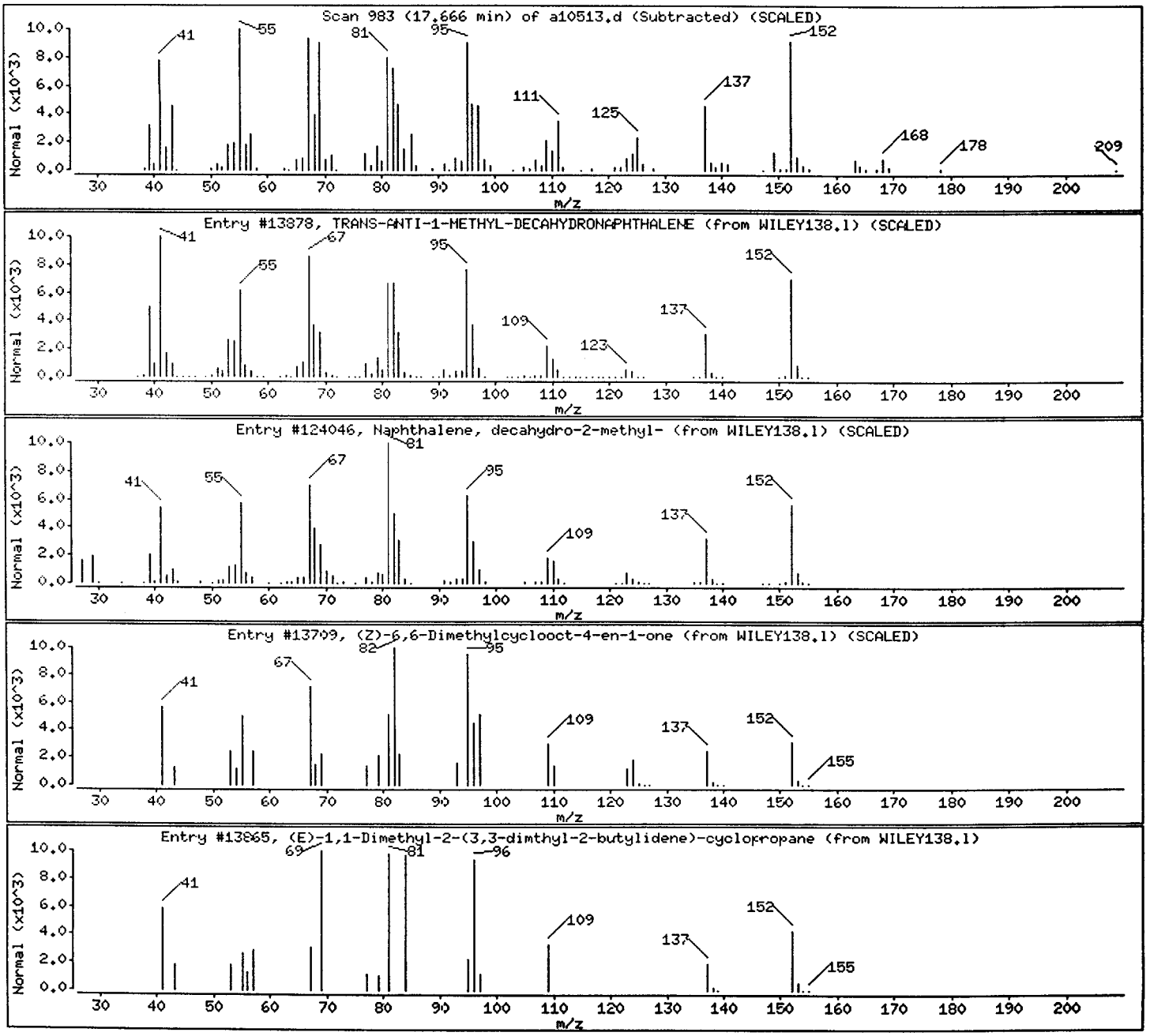
Sample Info: 237829;;40.4;5.35;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decahydromethylnaphthalene isomer						
TRANS-ANTI-1-METHYL-DECAHYDRONAPHTHALENE	0-00-0	WILEY138.l	13878	90	C11H20	152
Naphthalene, decahydro-2-methyl-	2958-76-1	WILEY138.l	124046	70	C11H20	152
(Z)-6,6-Dimethylcyclooct-4-en-1-one	91531-64-5	WILEY138.l	13709	58	C10H16O	152
(E)-1,1-Dimethyl-2-(3,3-dimthyl-2-butyli	85851-40-7	WILEY138.l	13865	49	C11H20	152



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10513.d

Date : 31-OCT-2000 17:10

Client ID: ES-1_ElShaft_4th

Instrument: VOAMS1.i

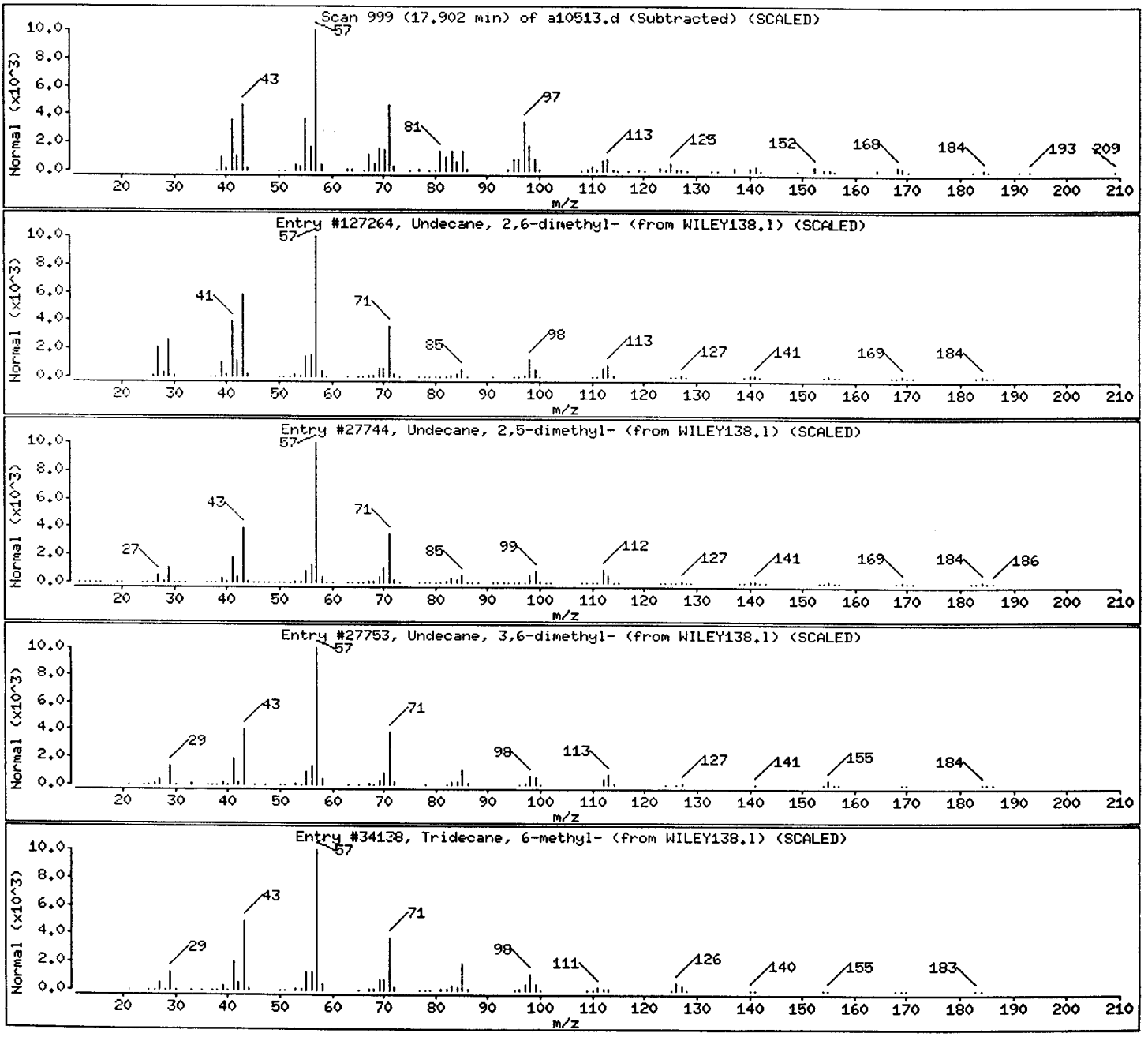
Sample Info: 237829;;40.4;5.35;5

Operator: VOAMS 8

Column phase: DB624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C13H28 Alkane						
Undecane, 2,6-dimethyl-	17301-23-4	WILEY138.l	127264	64	C13H28	184
Undecane, 2,5-dimethyl-	17301-22-3	WILEY138.l	27744	53	C13H28	184
Undecane, 3,6-dimethyl-	17301-28-9	WILEY138.l	27753	50	C13H28	184
Tridecane, 6-methyl-	13287-21-3	WILEY138.l	34138	47	C14H30	198



Client ID: **Trip_Blank-2**
Site: Rexam DSI

Lab Sample No: **237830**
Lab Job No: F104

Date Sampled: 10/24/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22794.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.5
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.6
Chloroethane	ND	0.4
Methylene Chloride	ND	0.8
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.4
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.1
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.1
Tetrachloroethene	ND	0.3
1,1,2,2-Tetrachloroethane	ND	0.1
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.3
Xylene (Total)	ND	0.3

Client ID: **Trip_Blank-2**
Site: Rexam DSI

Lab Sample No: **237830**
Lab Job No: F104

Date Sampled: 10/24/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22794.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22794.d
Report Date: 31-Oct-2000 09:50

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22794.d
Lab Smp Id: 237830 Client Smp ID: Trip_Blank-2
Inj Date : 30-OCT-2000 23:47
Operator : VOAMS 6 Inst ID: VOAMS7.i
Smp Info : 237830
Misc Info : F104;3567;;MR
Comment :
Method : /chem/VOAMS7.i/624/10-24-00/30oct00.b/624_00.m
Meth Date : 30-Oct-2000 11:07 riaz Quant Type: ISTD
Cal Date : 24-OCT-2000 16:39 Cal File: v22496.d
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

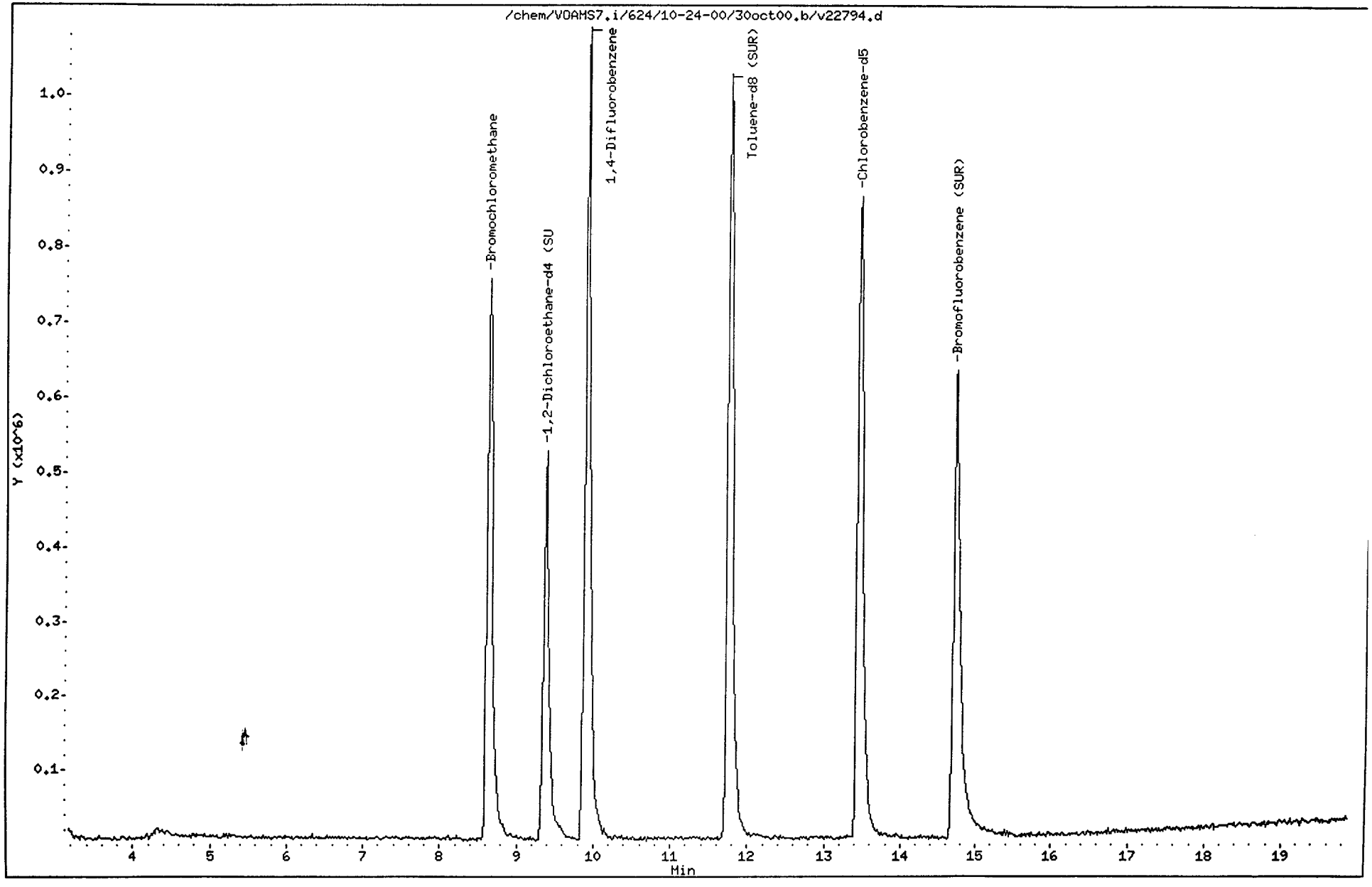
Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
* 2 Bromochloromethane	128	8.632	8.615	(1.000)	485895	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	9.373	9.356	(0.946)	120126	28.7553	29
* 19 1,4-Difluorobenzene	114	9.907	9.890	(1.000)	1958842	30.0000	
$ 37 Toluene-d8 (SUR)	98	11.746	11.743	(0.873)	1666515	32.8192	33
* 32 Chlorobenzene-d5	117	13.451	13.434	(1.000)	1280796	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	14.726	14.709	(1.095)	563454	26.1656	26

Data File: /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22794.d
Date : 30-OCT-2000 23:47
Client ID: Trip_Blank-2
Sample Info: 237830
Purge Volume: 5.0
Column phase: DB624

Instrument: VOAMS7.i
Operator: VOAMS 6
Column diameter: 0.53



Client ID: **Field_Blank-1026**
Site: Rexam DSI

Lab Sample No: **237831**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22795.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.5
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.6
Chloroethane	ND	0.4
Methylene Chloride	8.6	0.8
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.4
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.1
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.1
Tetrachloroethene	ND	0.3
1,1,2,2-Tetrachloroethane	ND	0.1
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.3
Xylene (Total)	ND	0.3

Client ID: **Field_Blank-1026**
Site: Rexam DSI

Lab Sample No: **237831**
Lab Job No: F104

Date Sampled: 10/26/00
Date Received: 10/27/00
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22795.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22795.d
Report Date: 31-Oct-2000 17:57

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22795.d
Lab Smp Id: 237831 Client Smp ID: Field_Blank-1026
Inj Date : 31-OCT-2000 00:13
Operator : VOAMS 6 Inst ID: VOAMS7.i
Smp Info : 237831
Misc Info : F104;3567;;MR
Comment :
Method : /chem/VOAMS7.i/624/10-24-00/30oct00.b/624_00.m
Meth Date : 30-Oct-2000 11:07 riaz Quant Type: ISTD
Cal Date : 24-OCT-2000 16:39 Cal File: v22496.d
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

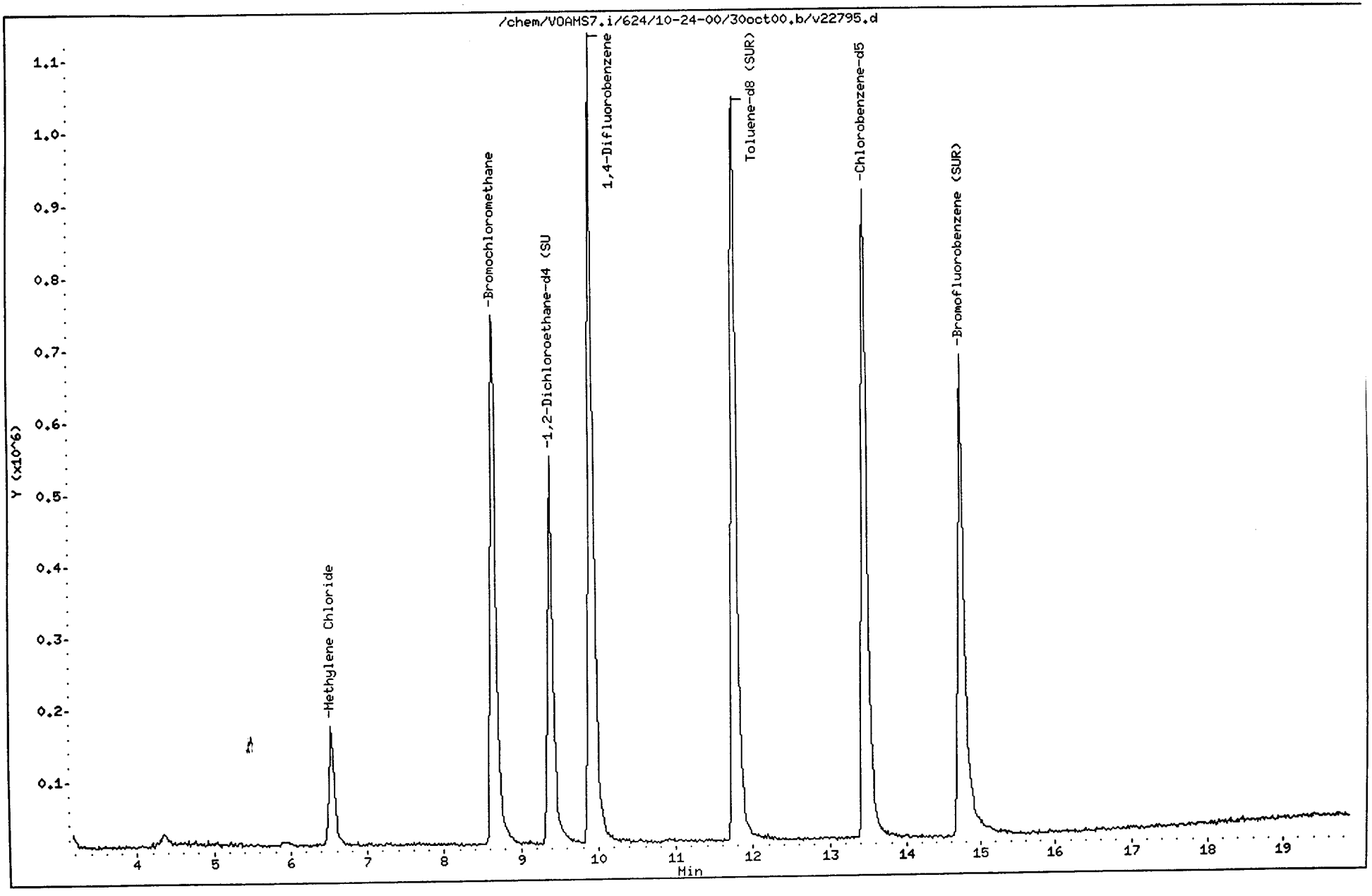
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
6 Methylene Chloride	84	6.540	6.509	(0.756)	190106	8.60680	8.6
* 2 Bromochloromethane	128	8.646	8.615	(1.000)	486754	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	9.372	9.356	(0.946)	120819	28.7523	29
* 19 1,4-Difluorobenzene	114	9.906	9.890	(1.000)	1970343	30.0000	
$ 37 Toluene-d8 (SUR)	98	11.760	11.743	(0.874)	1691685	32.8802	33
* 32 Chlorobenzene-d5	117	13.450	13.434	(1.000)	1297729	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	14.725	14.709	(1.095)	582939	26.7172	27

Data File: /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22795.d
Date : 31-OCT-2000 00:13
Client ID: Field_Blank-1026
Sample Info: 237831
Purge Volume: 5.0
Column phase: DB624

Instrument: VOAMS7.i

Operator: VOAMS 6
Column diameter: 0.53



Data File: /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22795.d

Date : 31-OCT-2000 00:13

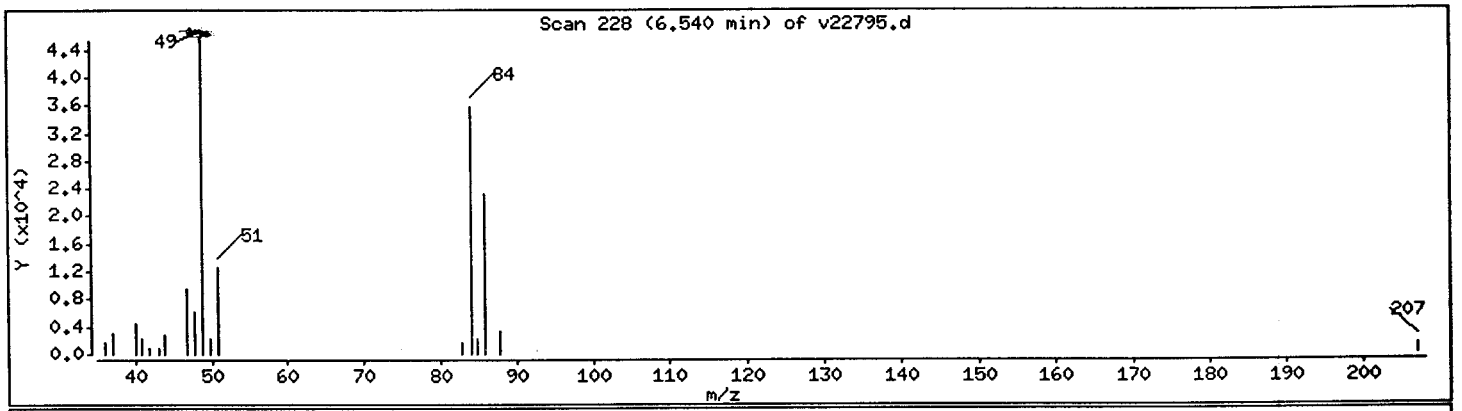
Client ID: Field_Blank-1026 Instrument: VOAMS7.i

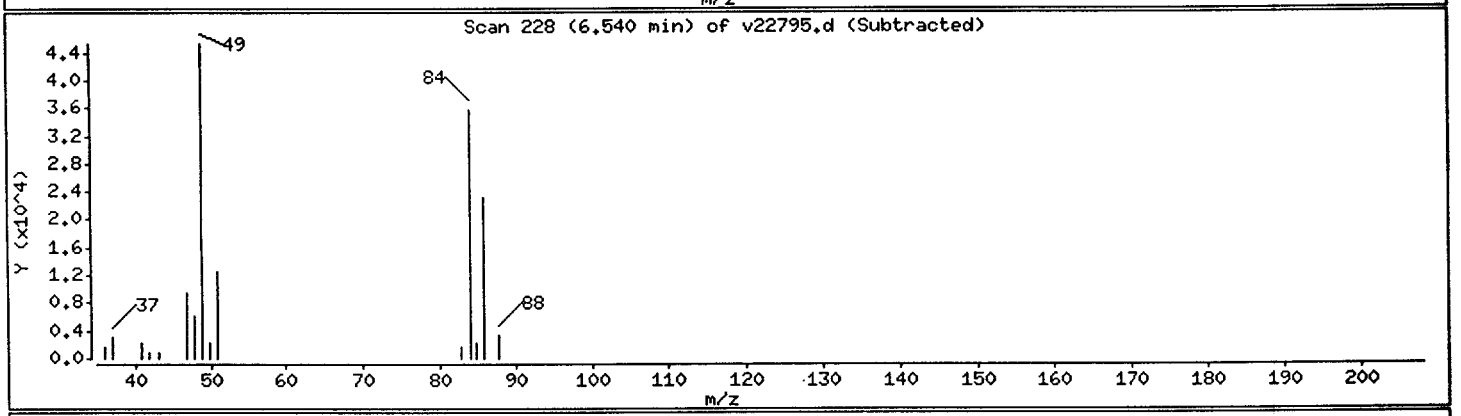
Sample Info: 237831

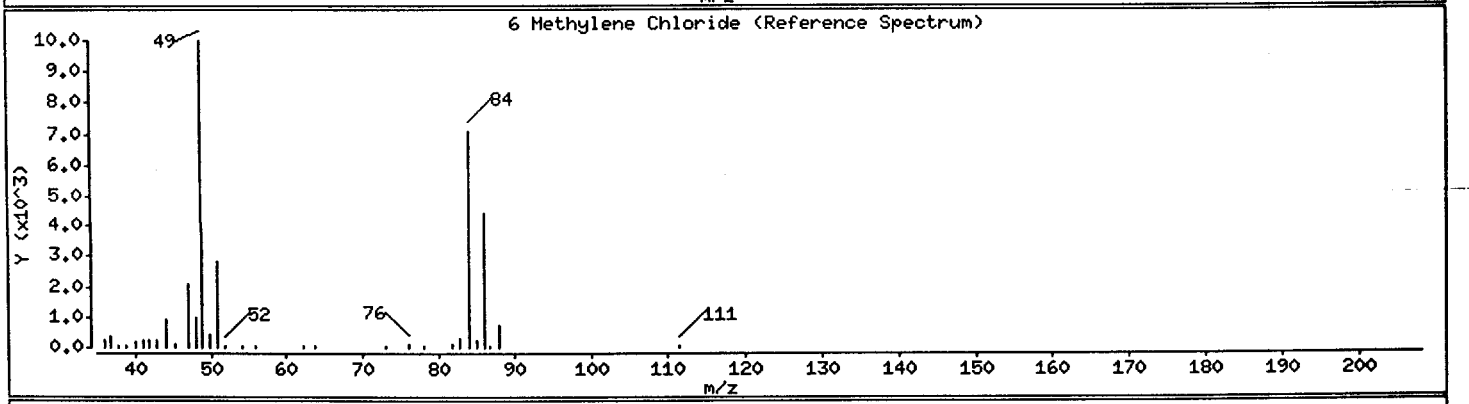
Purge Volume: 5.0 Operator: VOAMS 6

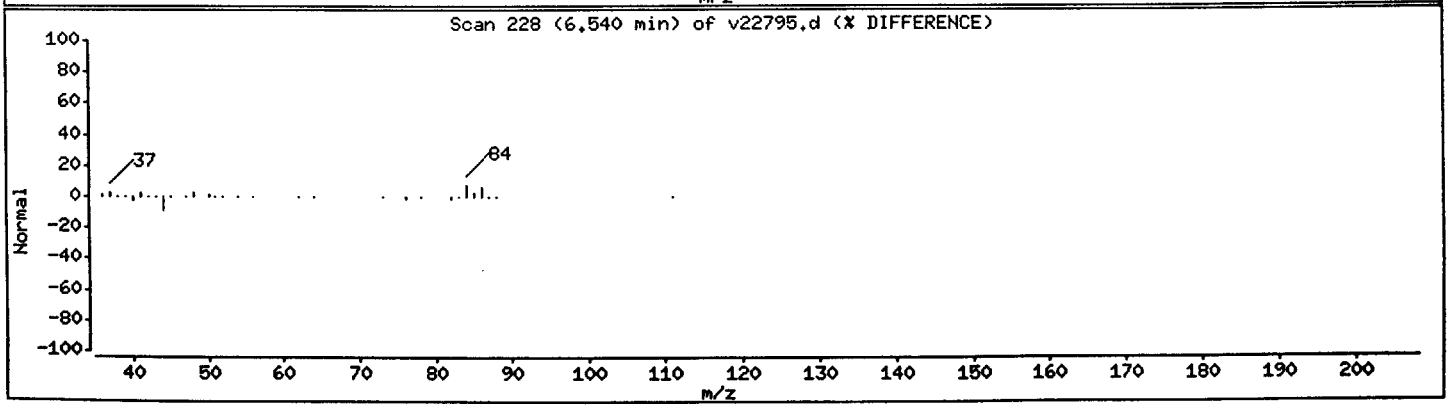
Column phase: DB624 Column diameter: 0.53

6 Methylene Chloride Concentration: 8.6 ug/L









Client ID: **EB-4_16-16.5**
Site: Rexam DSI

Lab Sample No: **237839**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10469.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.7 g
Purge Volume: 5.0 ml
% Moisture: 8

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	4.8
Bromomethane	ND	4.8
Vinyl Chloride	ND	4.8
Chloroethane	ND	4.8
Methylene Chloride	ND	2.9
Trichlorofluoromethane	ND	4.8
1,1-Dichloroethene	ND	1.9
1,1-Dichloroethane	ND	4.8
trans-1,2-Dichloroethene	ND	4.8
cis-1,2-Dichloroethene	ND	4.8
Chloroform	ND	4.8
1,2-Dichloroethane	ND	1.9
1,1,1-Trichloroethane	ND	4.8
Carbon Tetrachloride	ND	1.9
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	4.8
Trichloroethene	ND	1.0
Dibromochloromethane	ND	4.8
1,1,2-Trichloroethane	ND	2.9
Benzene	0.6J	1.0
trans-1,3-Dichloropropene	ND	4.8
2-Chloroethyl Vinyl Ether	ND	4.8
Bromoform	ND	3.8
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	1.1J	4.8
Chlorobenzene	ND	4.8
Ethylbenzene	ND	3.8
Xylene (Total)	ND	4.8

Client ID: **EB-4_16-16.5**
Site: Rexam DSI

Lab Sample No: **237839**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10469.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.7 g
Purge Volume: 5.0 ml
% Moisture: 7.8

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION | 0.0

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10469.d
Report Date: 31-Oct-2000 15:09

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10469.d
Lab Smp Id: 237839 Client Smp ID: EB-4_16-16.5
Inj Date : 30-OCT-2000 14:44 Inst ID: VOAMS1.i
Operator : VOAMS 8
Smp Info : 237839;;;5.68;5
Misc Info : F104;1914;AT KLB
Comment :
Method : /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/8260L_00.m
Meth Date : 30-Oct-2000 08:34 audberto Quant Type: ISTD
Cal Date : 20-OCT-2000 18:54 Cal File: a10343.d
Als bottle: 12
Dil Factor: 1.00000 Compound Sublist: PPVOA.sub
Integrator: HP RTE
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.68000	Weight of sample extracted (g)
M	7.80000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	9.671	9.671	(0.955)	1213334	54.0056	52
28 Benzene	78	9.819	9.789	(0.969)	40628	0.65314	0.62(a)
* 19 Fluorobenzene	96	10.129	10.129	(1.000)	3767892	50.0000	
$ 37 Toluene-d8 (SUR)	98	12.064	12.064	(0.877)	2345113	56.9599	54
38 Toluene	91	12.153	12.153	(0.884)	57303	1.16686	1.1(a)
* 32 Chlorobenzene-d5	117	13.748	13.763	(1.000)	2123804	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	15.034	15.048	(0.924)	1138884	70.4159	67
* 91 1,4-Dichlorobenzene-d4	152	16.275	16.289	(1.000)	734051	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

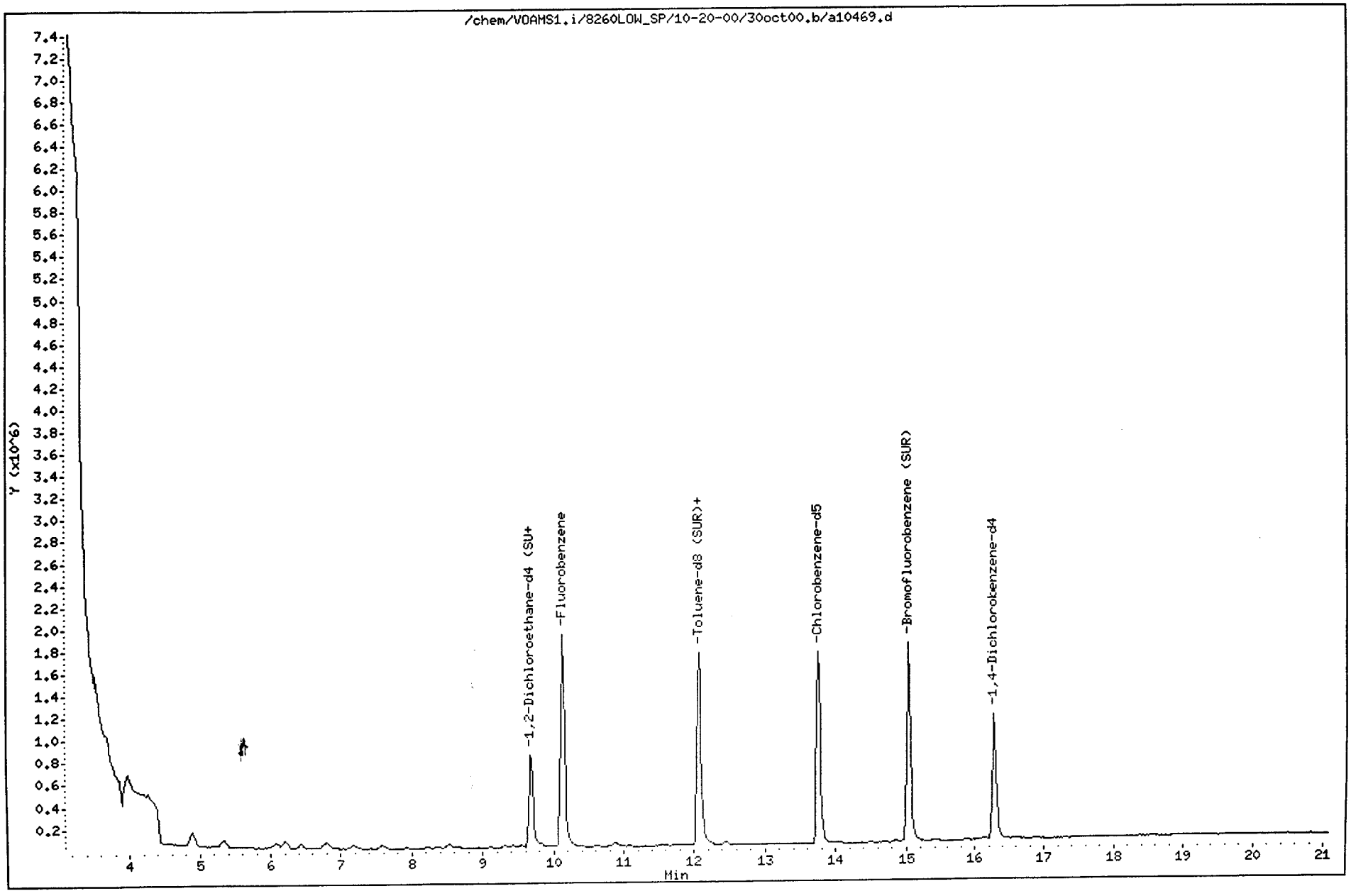
Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10469.d
Date : 30-OCT-2000 14:44
Client ID: EB-4_16-16.5
Sample Info: 237839;;;5.68;5

Column phase: DB624

KUB

Instrument: VOAMS1.i

Operator: VOAMS 8
Column diameter: 0.53



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10469.d

Date : 30-OCT-2000 14:44

Client ID: EB-4_16-16.5

Instrument: VOAMS1.i

Sample Info: 237839;;;5.68;5

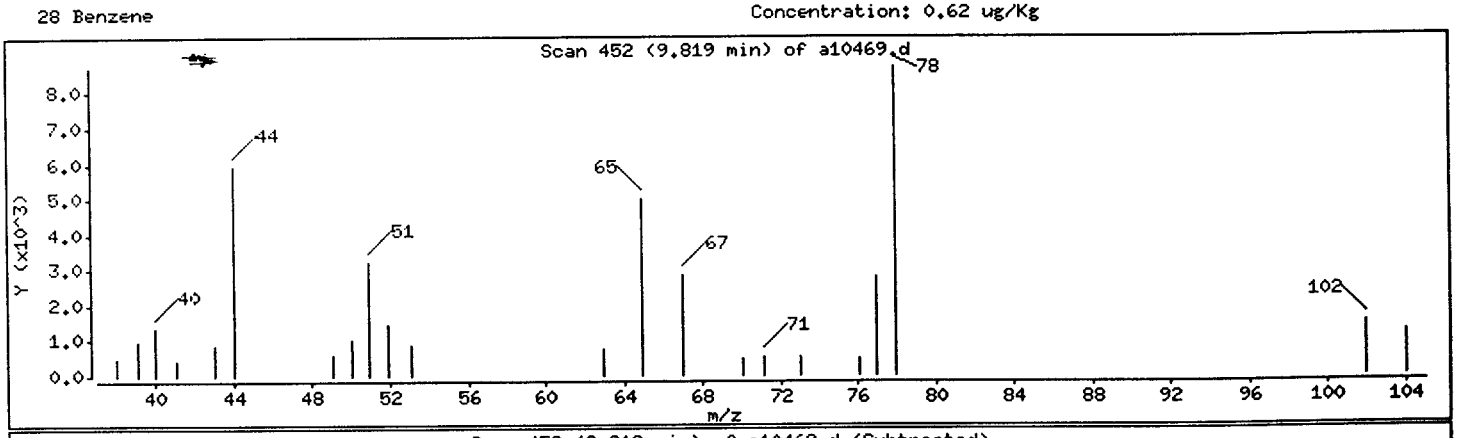
Operator: VOAMS 8

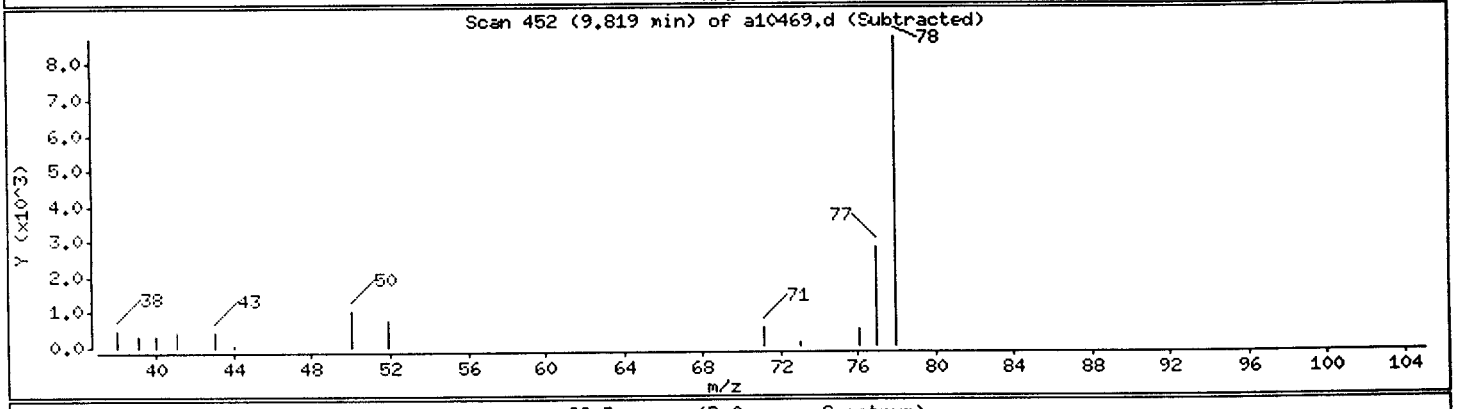
Column phase: DB624

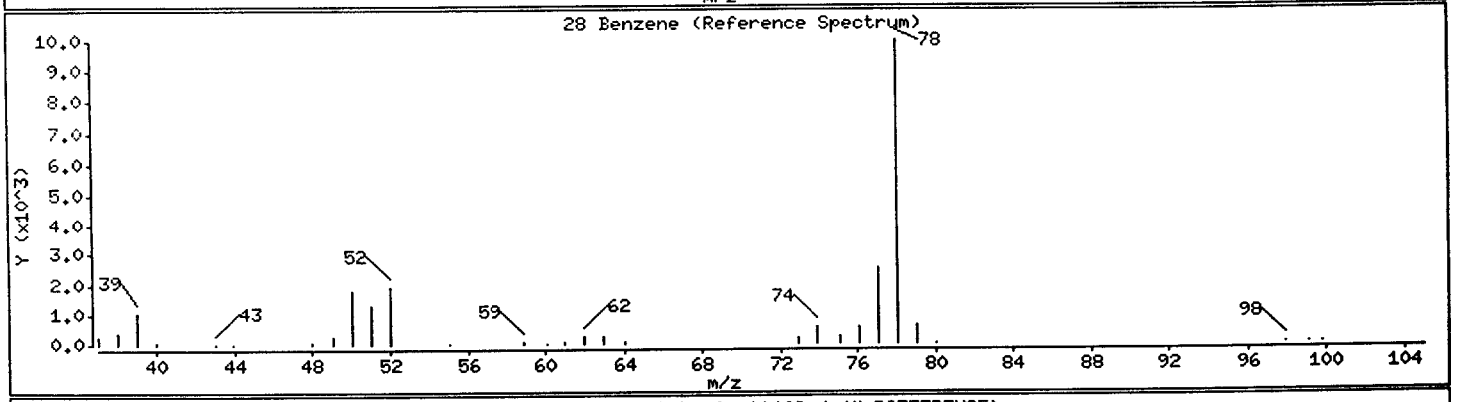
Column diameter: 0.53

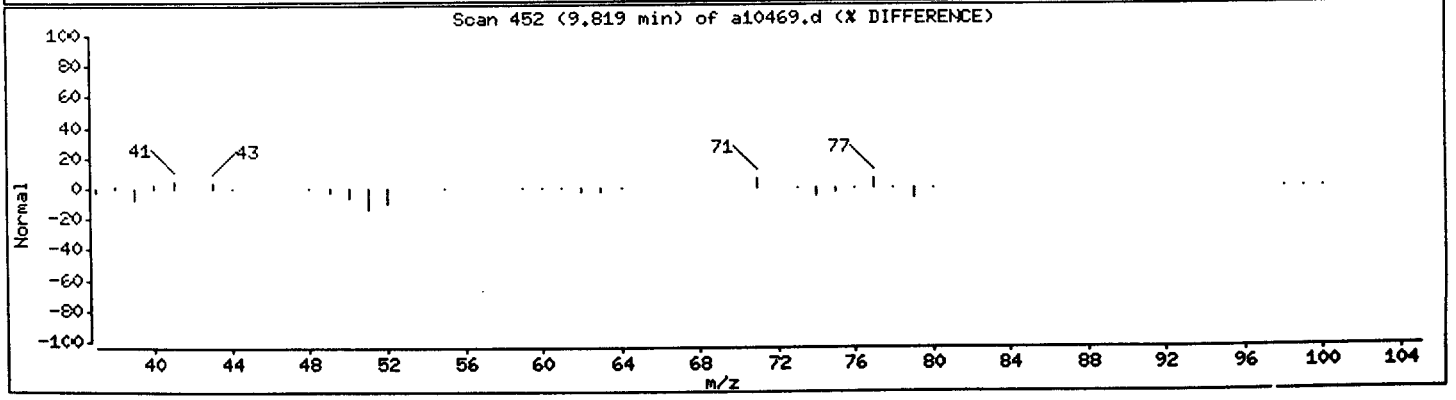
28 Benzene

Concentration: 0.62 ug/Kg









Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10469.d

Date : 30-OCT-2000 14:44

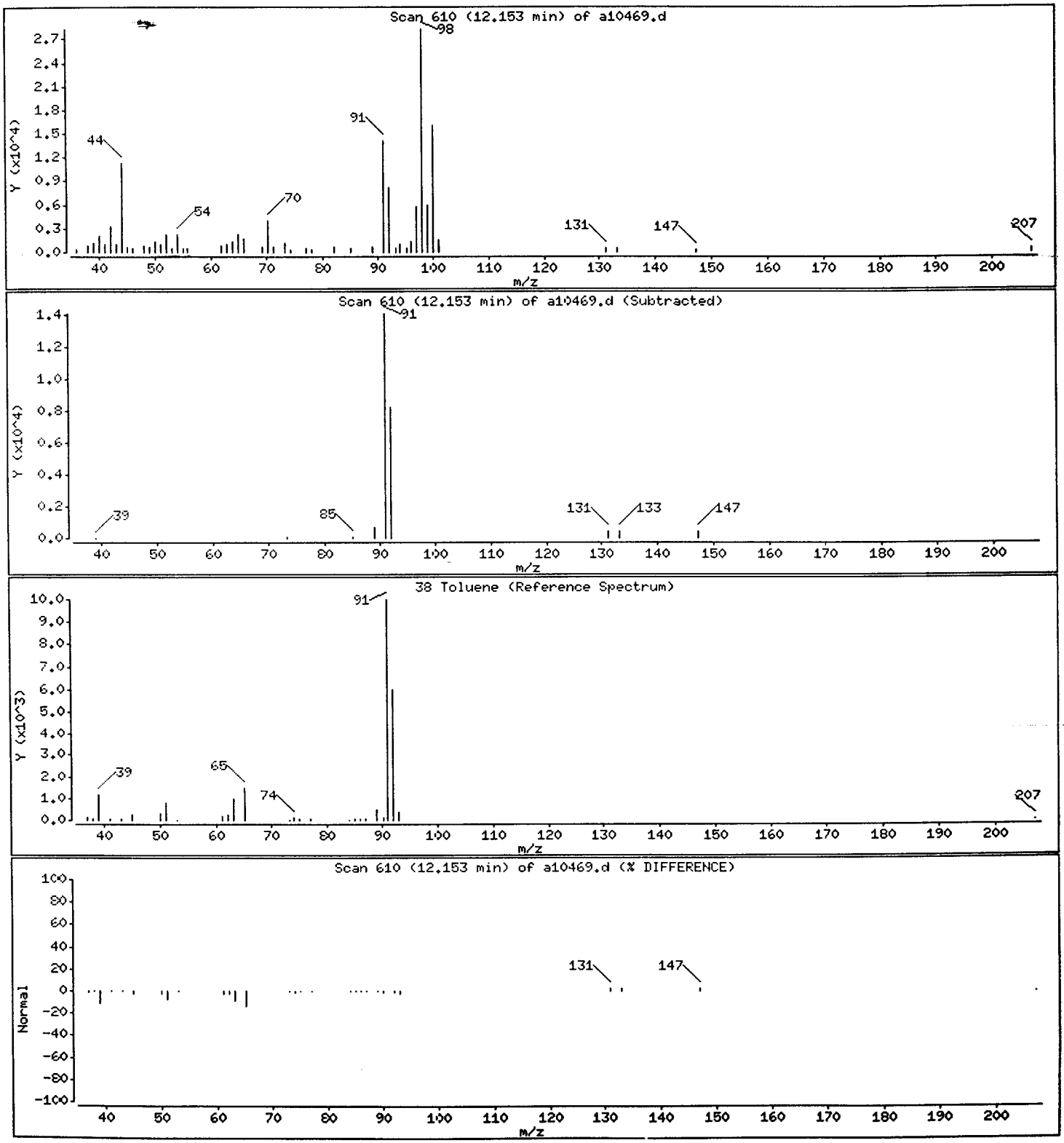
Client ID: EB-4_16-16.5 Instrument: VOAMS1.i

Sample Info: 237839;;;5.68;5

Operator: VOAMS 8

Column phase: DB624 Column diameter: 0.53

38 Toluene Concentration: 1.1 ug/Kg



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: A10436

BFB Injection Date: 10/29/00

Instrument ID: VOAMS1

BFB Injection Time: 1119

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	52.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	82.3
175	5.0 - 9.0% of mass 174	6.6 (8.0)1
176	95.0 - 101.0% of mass 174	81.9 (99.6)1
177	5.0 - 9.0% of mass 176	6.4 (7.9)2

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

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

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD303	ASTD303	A10437	10/29/00	1152
02	AV303	AV303	A10440	10/29/00	1352
03	EB-1_6-12	237812	A10441	10/29/00	1436
04	EB-1_6-12R1	237812R1	A10453	10/29/00	2053
05	EB-2_CATCH_B	237813	A10454	10/29/00	2124
06	EB-3_16-16.5	237814	A10455	10/29/00	2156
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10436.d

Date : 29-OCT-2000 11:19

Client ID:

Instrument: VOAMS1.i

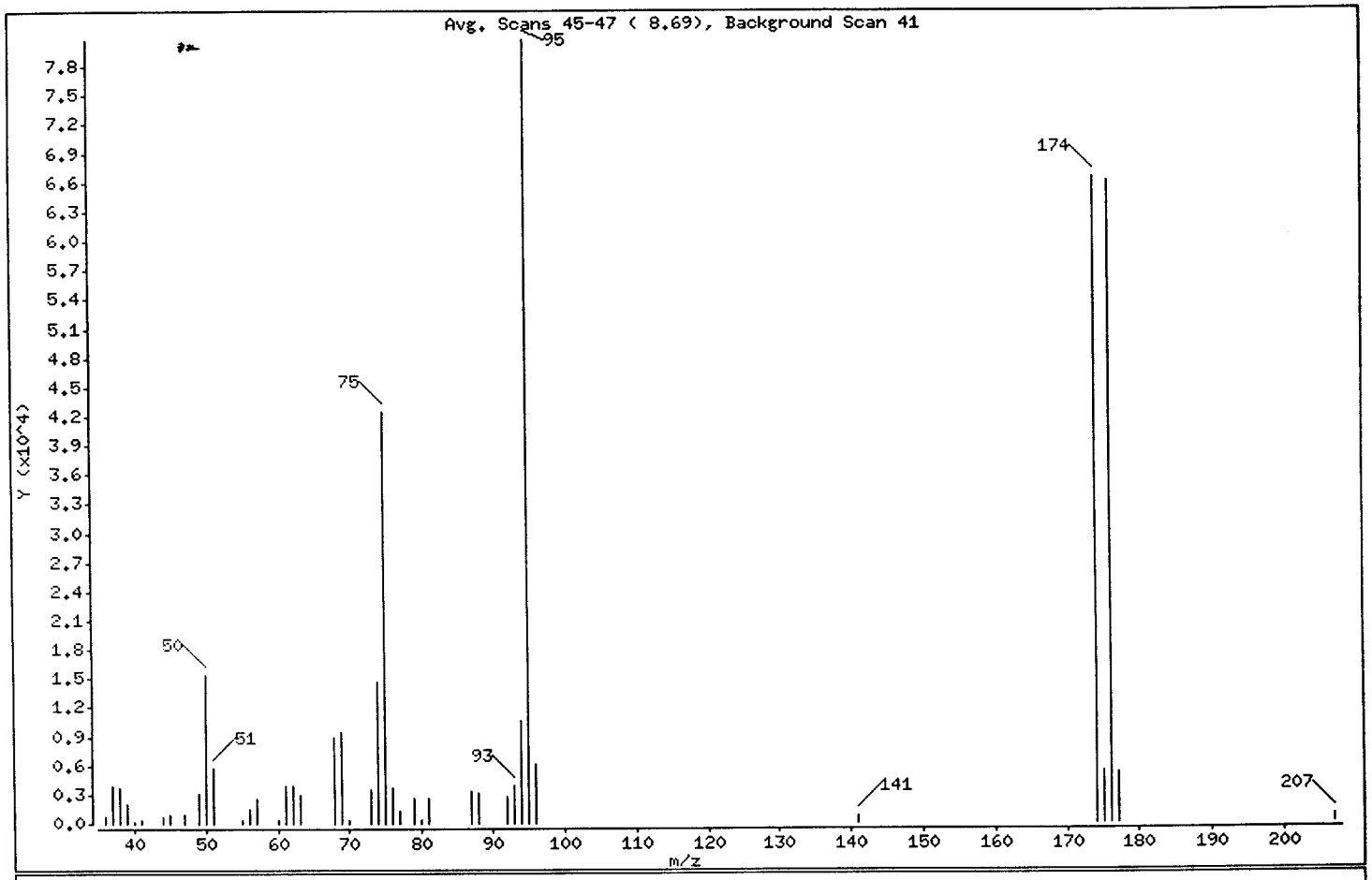
Sample Info: ABFB303 50ng

Operator: VOAMS 5

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.16
75	30.00 - 60.00% of mass 95	52.55
96	5.00 - 9.00% of mass 95	7.65
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	82.28
175	5.00 - 9.00% of mass 174	6.56 (7.97)
176	95.00 - 101.00% of mass 174	81.95 (99.59)
177	5.00 - 9.00% of mass 176	6.45 (7.87)

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10436.d

Date : 29-OCT-2000 11:19

Client ID:

Instrument: VOAMS1.i

Sample Info: ABFB303 50ng

Operator: VOAMS 5

Column phase: DB-624

Column diameter: 0.53

Data File: a10436.d
Spectrum: Avg. Scans 45-47 (8.69), Background Scan 41
Location of Maximum: 95.00
Number of points: 43

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	749	51.00	5736	73.00	3530	93.00	3986
37.00	3948	55.00	396	74.00	14671	94.00	10518
38.00	3777	56.00	1540	75.00	42472	95.00	80824
39.00	1974	57.00	2633	76.00	3767	96.00	6181
40.00	223	60.00	333	77.00	1303	141.00	749
41.00	417	61.00	3907	79.00	2615	174.00	66504
44.00	723	62.00	3952	80.00	352	175.00	5301
45.00	1001	63.00	2930	81.00	2531	176.00	66232
47.00	859	68.00	8987	87.00	3289	177.00	5210
49.00	3142	69.00	9425	88.00	3144	207.00	755
50.00	15483	70.00	342	92.00	2755		

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10436.d

Date : 29-OCT-2000 11:19

Client ID:

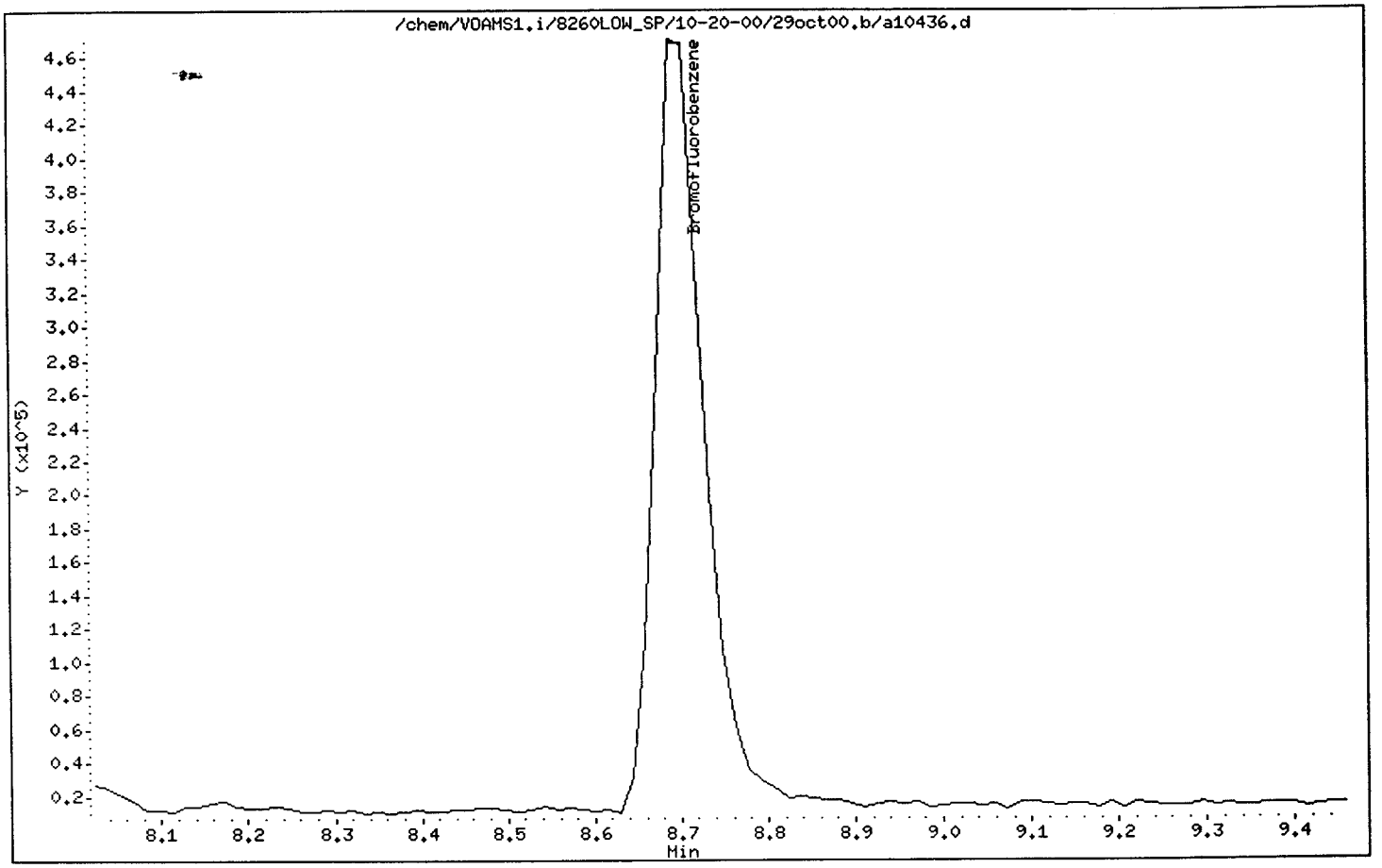
Instrument: VOAMS1.i

Sample Info: ABFB303 50ng

Operator: VOAMS 5

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: A10457

BFB Injection Date: 10/30/00

Instrument ID: VOAMS1

BFB Injection Time: 0744

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.9
75	30.0 - 60.0% of mass 95	51.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	86.0
175	5.0 - 9.0% of mass 174	6.9 (8.0)1
176	95.0 - 101.0% of mass 174	84.7 (98.5)1
177	5.0 - 9.0% of mass 176	5.9 (7.0)2

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

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

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD304	ASTD304	A10458	10/30/00	0811
02	AV304	AV304	A10462	10/30/00	1054
03	EB-4_1.5-2	237815	A10463	10/30/00	1135
04	EB-5_1.2-1.7	237816	A10464	10/30/00	1206
05	EB-6_OUTFALL	237817	A10465	10/30/00	1238
06	TPE-2	237819	A10467	10/30/00	1340
07	TPE-3	237820	A10468	10/30/00	1412
08	EB-4_16-16.5	237839	A10469	10/30/00	1444
09	EB-3_16-16.5	237814R1	A10470	10/30/00	1516
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10457.d

Date : 30-OCT-2000 07:44

Client ID:

Instrument: VOAMS1.i

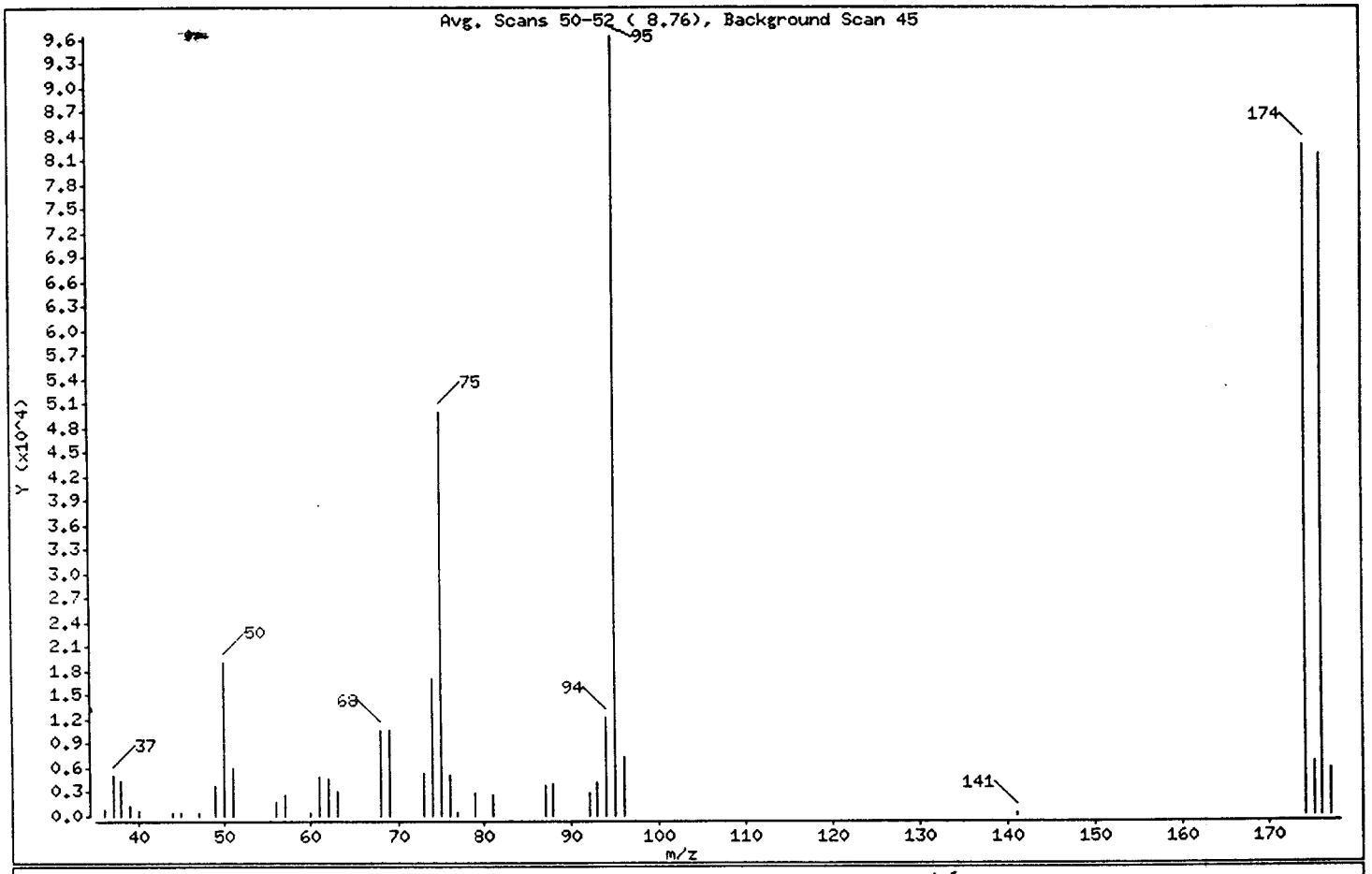
Sample Info: ABFB304 50ng

Operator: VOAMS 5

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.87
75	30.00 - 60.00% of mass 95	51.88
96	5.00 - 9.00% of mass 95	7.57
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	86.02
175	5.00 - 9.00% of mass 174	6.92 (8.05)
176	95.00 - 101.00% of mass 174	84.70 (98.47)
177	5.00 - 9.00% of mass 176	5.92 (6.98)

Date : 30-OCT-2000 07:44

Client ID:

Instrument: VOAHS1.i

Sample Info: ABFB304 50ng

Operator: VOAHS 5

Column phase: DB-624

Column diameter: 0.53

Data File: a10457.d
Spectrum: Avg. Scans 50-52 (8.76), Background Scan 45
Location of Maximum: 95.00
Number of points: 38

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	811	51.00	6013	74.00	17088	94.00	12256
37.00	5009	56.00	1691	75.00	50008	95.00	96392
38.00	4343	57.00	2774	76.00	5199	96.00	7295
39.00	1313	60.00	338	77.00	502	141.00	379
40.00	759	61.00	4840	79.00	2973	174.00	82920
44.00	552	62.00	4775	81.00	2771	175.00	6671
45.00	397	63.00	3160	87.00	3822	176.00	81648
47.00	409	68.00	10680	88.00	3925	177.00	5703
49.00	3722	69.00	10648	92.00	2856		
50.00	19152	73.00	5345	93.00	4182		

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10457.d

Date : 30-OCT-2000 07:44

Client ID:

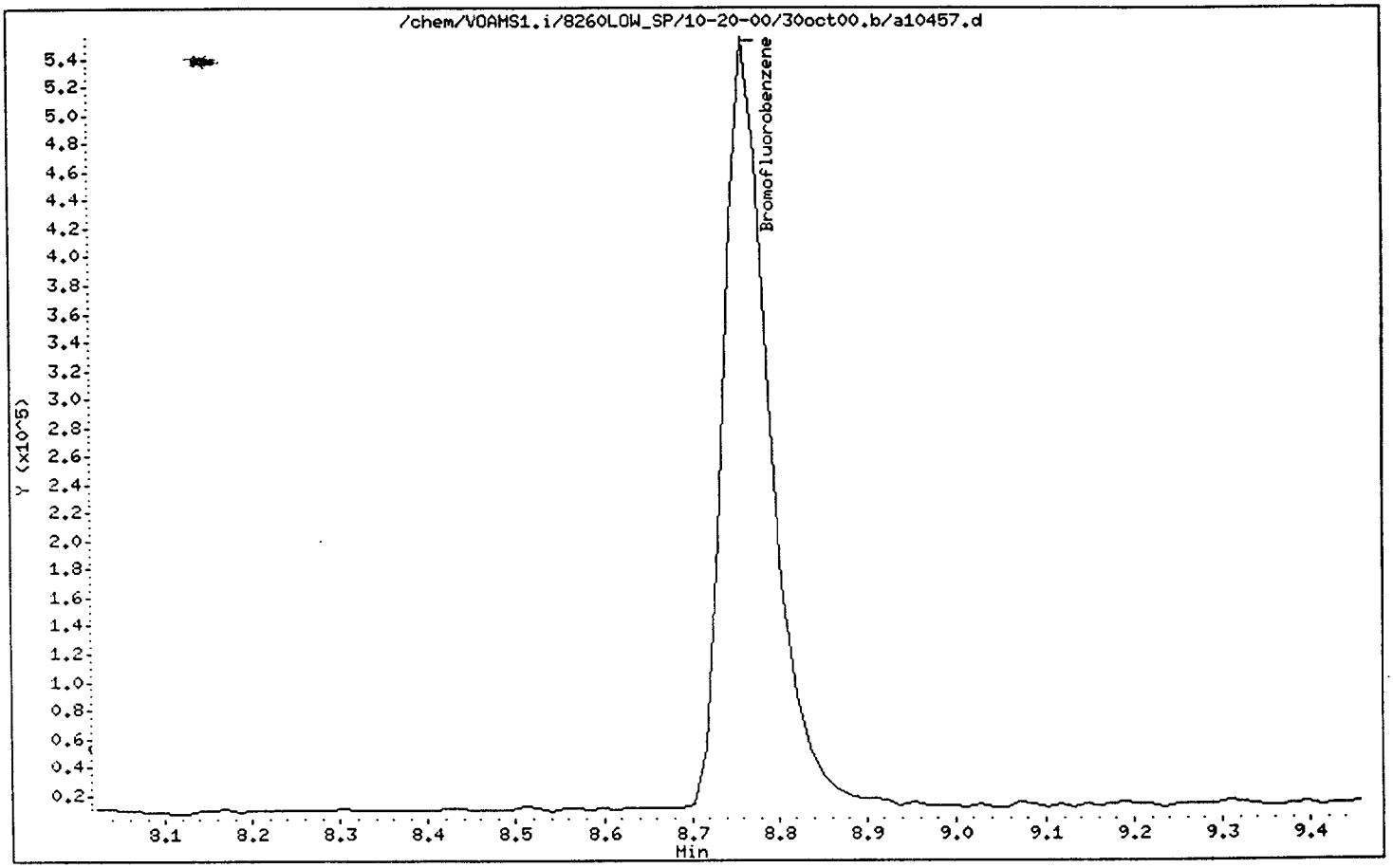
Instrument: VOAMS1.i

Sample Info: ABFB304 50ng

Operator: VOAMS 5

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: A10476

BFB Injection Date: 10/30/00

Instrument ID: VOAMS1

BFB Injection Time: 1934

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.8
75	30.0 - 60.0% of mass 95	50.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 100.0% of mass 95	83.2
175	5.0 - 9.0% of mass 174	6.6 (7.9)1
176	95.0 - 101.0% of mass 174	79.9 (96.0)1
177	5.0 - 9.0% of mass 176	6.0 (7.5)2

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

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

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD304A	ASTD304A	A10477	10/30/00	1958
02	AV304A	AV304A	A10482	10/30/00	2303
03	EB-5_1.2-1.7	237816R1	A10483	10/30/00	2337
04	EB-6_OUTFALL	237817R1	A10484	10/31/00	0008
05	TPE-1	237818	A10485	10/31/00	0040
06	TPE-2R1	237819R1	A10486	10/31/00	0111
07	EB-4_16-16.5	237839R1	A10487	10/31/00	0143
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00a.b/a10476.d

Date : 30-OCT-2000 19:34

Client ID:

Instrument: VOAMS1.i

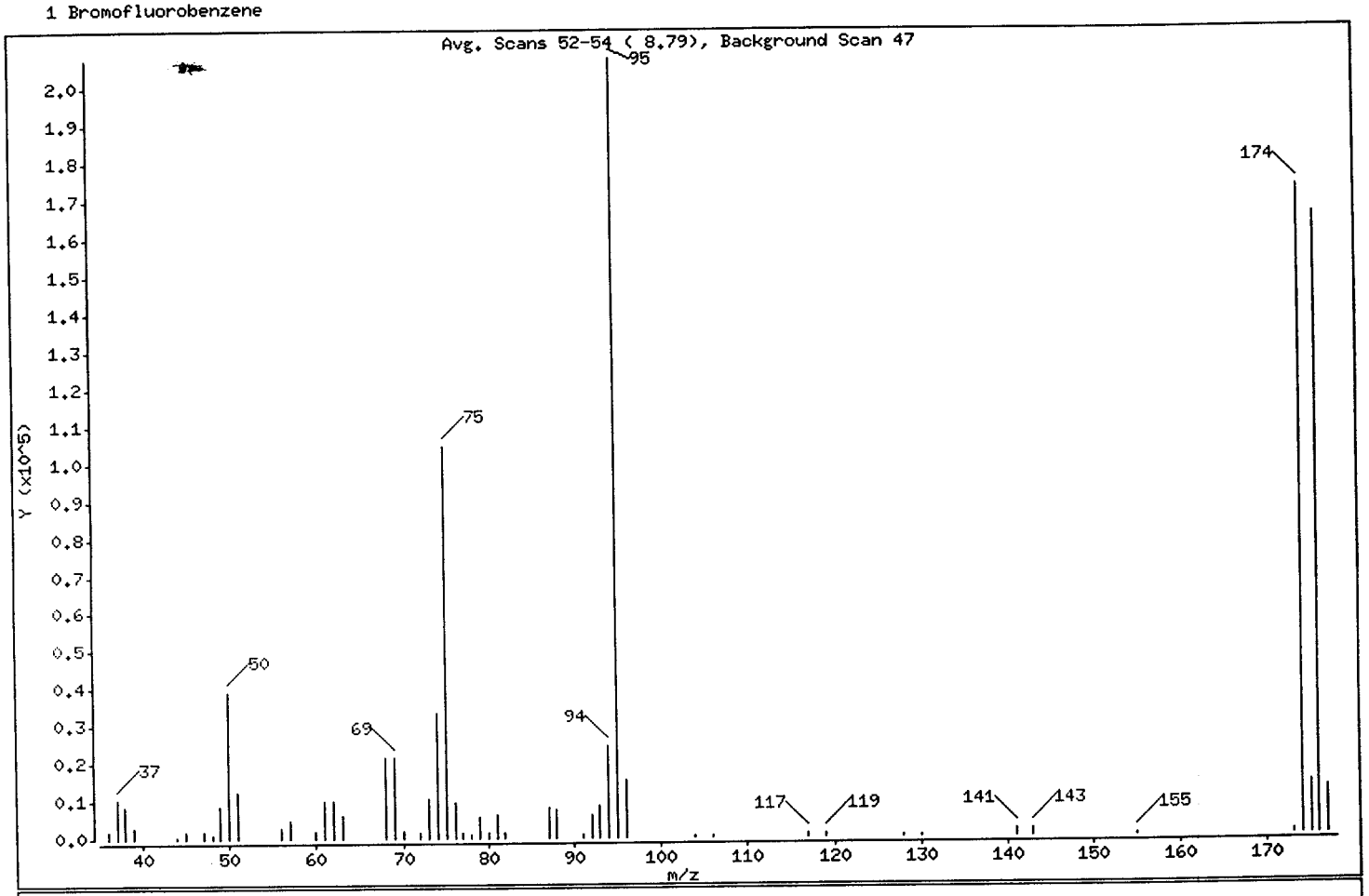
Sample Info: ABFB304A 50ng

Operator: VOAMS 5

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.77
75	30.00 - 60.00% of mass 95	50.26
96	5.00 - 9.00% of mass 95	7.31
173	Less than 2.00% of mass 174	0.40 (0.48)
174	50.00 - 100.00% of mass 95	83.20
175	5.00 - 9.00% of mass 174	6.58 (7.91)
176	95.00 - 101.00% of mass 174	79.86 (95.98)
177	5.00 - 9.00% of mass 176	5.96 (7.46)

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00a.b/a10476.d

Date : 30-OCT-2000 19:34

Client ID:

Instrument: VOAMS1.i

Sample Info: ABFB304A 50ng

Operator: VOAMS 5

Column phase: DB-624

Column diameter: 0.53

Data File: a10476.d
Spectrum: Avg. Scans 52-54 (8.79), Background Scan 47
Location of Maximum: 95.00
Number of points: 53

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1999	61.00	9937	80.00	1654	119.00	1094
37.00	10505	62.00	9885	81.00	5996	128.00	362
38.00	8671	63.00	6448	82.00	1388	130.00	345
39.00	2824	68.00	21392	87.00	8127	141.00	1979
44.00	432	69.00	21424	88.00	7852	143.00	1688
45.00	1886	70.00	1755	91.00	888	155.00	344
47.00	2048	72.00	1215	92.00	6192	173.00	838
48.00	848	73.00	10583	93.00	8739	174.00	172992
49.00	8648	74.00	33256	94.00	24456	175.00	13676
50.00	39024	75.00	104504	95.00	207872	176.00	166016
51.00	12413	76.00	9451	96.00	15191	177.00	12388
56.00	3055	77.00	1475	104.00	418		
57.00	4895	78.00	1170	106.00	348		
60.00	1976	79.00	5777	117.00	953		

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00a.b/a10476.d

Date : 30-OCT-2000 19:34

Client ID:

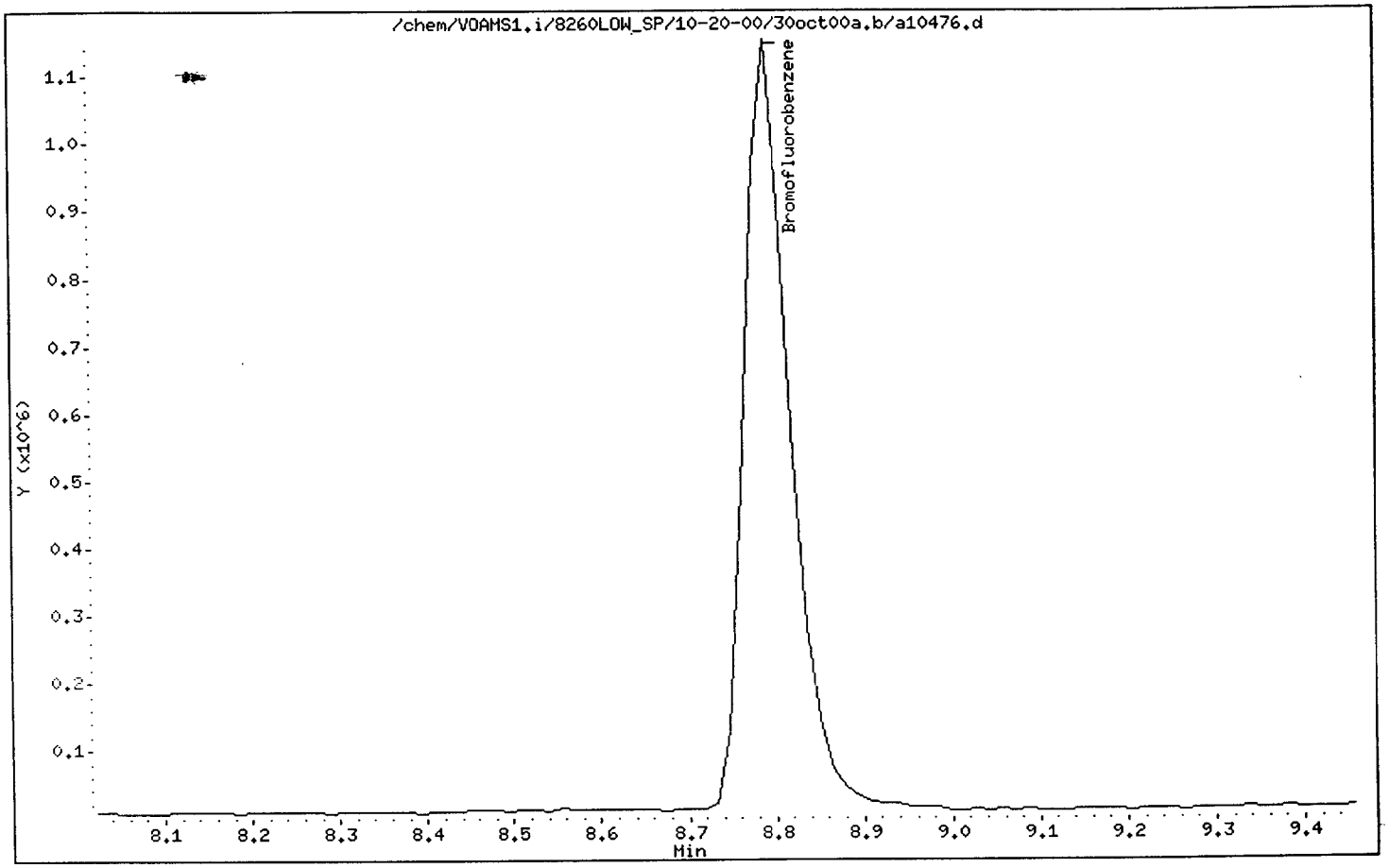
Instrument: VOAMS1.i

Sample Info: ABFB304A 50ng

Operator: VOAMS 5

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: A10498

BFB Injection Date: 10/31/00

Instrument ID: VOAMS1

BFB Injection Time: 0846

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.1
75	30.0 - 60.0% of mass 95	51.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	83.9
175	5.0 - 9.0% of mass 174	6.2 (7.4)1
176	95.0 - 101.0% of mass 174	82.8 (98.7)1
177	5.0 - 9.0% of mass 176	6.0 (7.2)2

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

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

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD305	ASTD305	A10500	10/31/00	0958
02	AV305	AV305	A10503	10/31/00	1206
03	RC-1_2ND_FLR	237825R1	A10508	10/31/00	1442
04	RC-2_3RD_FLR	237826	A10510	10/31/00	1541
05	RC-3_3RD_FLR	237827	A10511	10/31/00	1610
06	RC-4_4TH_FLR	237828	A10512	10/31/00	1640
07	ES-1_ELSHAFT	237829	A10513	10/31/00	1710
08	RC-1_2ND_FLR	237825	A10515	10/31/00	1814
09	RC-2_3RD_FLR	237826R1	A10516	10/31/00	1843
10	RC-3_3RD_FLR	237827R1	A10517	10/31/00	1913
11	RC-4_4TH_FLR	237828R1	A10518	10/31/00	1942
12	ES-1_ELSHAFT	237829R1	A10519	10/31/00	2012
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10498.d

Date : 31-OCT-2000 08:46

Client ID:

Instrument: VOAMS1.i

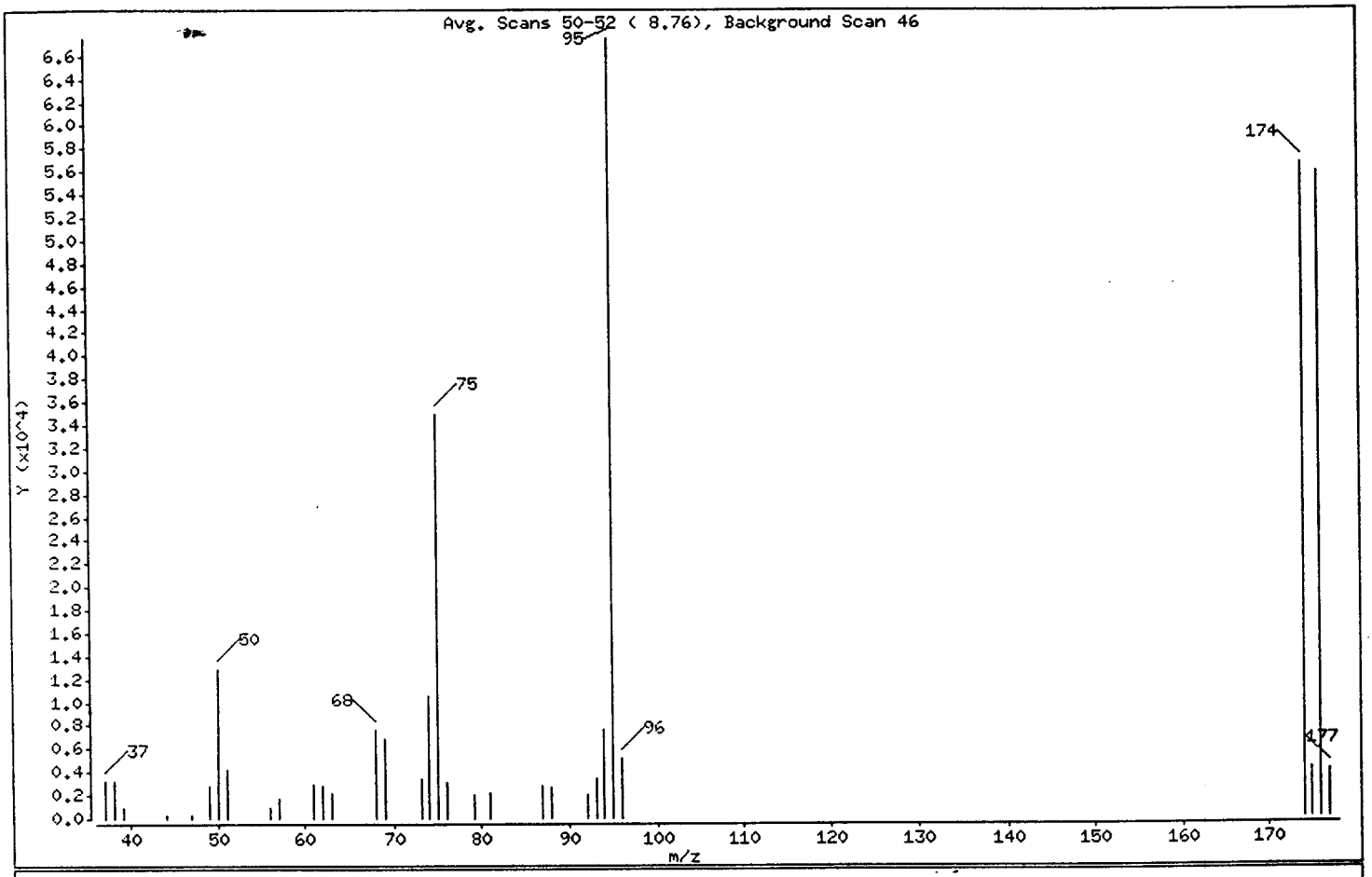
Sample Info: ABFB305 50ng

Operator: VOAMS 5

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.07
75	30.00 - 60.00% of mass 95	51.75
96	5.00 - 9.00% of mass 95	7.67
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	83.89
175	5.00 - 9.00% of mass 174	6.19 (7.38)
176	95.00 - 101.00% of mass 174	82.82 (98.72)
177	5.00 - 9.00% of mass 176	6.00 (7.24)

Date : 31-OCT-2000 08:46

Client ID:

Instrument: VOAMS1.i

Sample Info: ABFB305 50ng

Operator: VOAMS 5

Column phase: DB-624

Column diameter: 0.53

Data File: a10498.d
Spectrum: Avg. Scans 50-52 (8.76), Background Scan 46
Location of Maximum: 95.00
Number of points: 32

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	3331	57.00	1770	76.00	3155	96.00	5177
38.00	3236	61.00	2952	79.00	2079	174.00	56648
39.00	950	62.00	2838	81.00	2179	175.00	4179
44.00	322	63.00	2134	87.00	2781	176.00	55928
47.00	383	68.00	7570	88.00	2574	177.00	4050
49.00	2809	69.00	6907	92.00	2092		
50.00	12877	73.00	3394	93.00	3343		
51.00	4166	74.00	10605	94.00	7634		
56.00	871	75.00	34944	95.00	67528		

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10498.d

Date : 31-OCT-2000 08:46

Client ID:

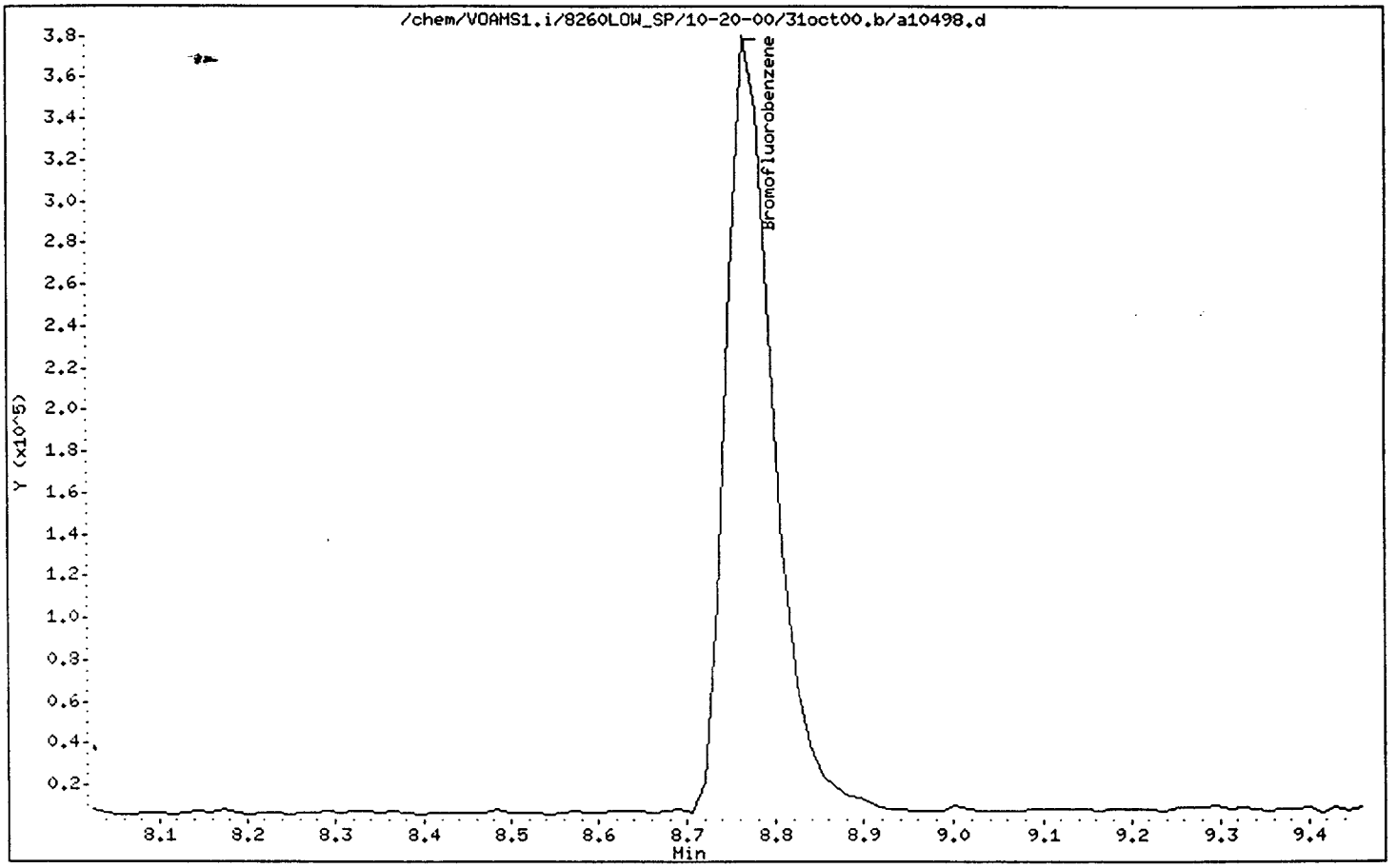
Instrument: VOAMS1.i

Sample Info: ABFB305 50ng

Operator: VOAMS 5

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: A10332

BFB Injection Date: 10/20/00

Instrument ID: VOAMS1

BFB Injection Time: 1211

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.0
75	30.0 - 60.0% of mass 95	51.3
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	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	91.6
175	5.0 - 9.0% of mass 174	7.1 (7.7)1
176	95.0 - 101.0% of mass 174	91.7 (100.1)1
177	5.0 - 9.0% of mass 176	6.8 (7.5)2

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

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

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD020	ASTD020	A10335	10/20/00	1412
02	ASTD005	ASTD005	A10337	10/20/00	1515
03	ASTD050	ASTD050	A10339	10/20/00	1619
04	ASTD100	ASTD100	A10342	10/20/00	1823
05	ASTD200	ASTD200	A10343	10/20/00	1854
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18					
19					
20					
21					
22					

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/20oct00.b/a10332.d

Date : 20-OCT-2000 12:11

Client ID:

Instrument: VOAMS1.i

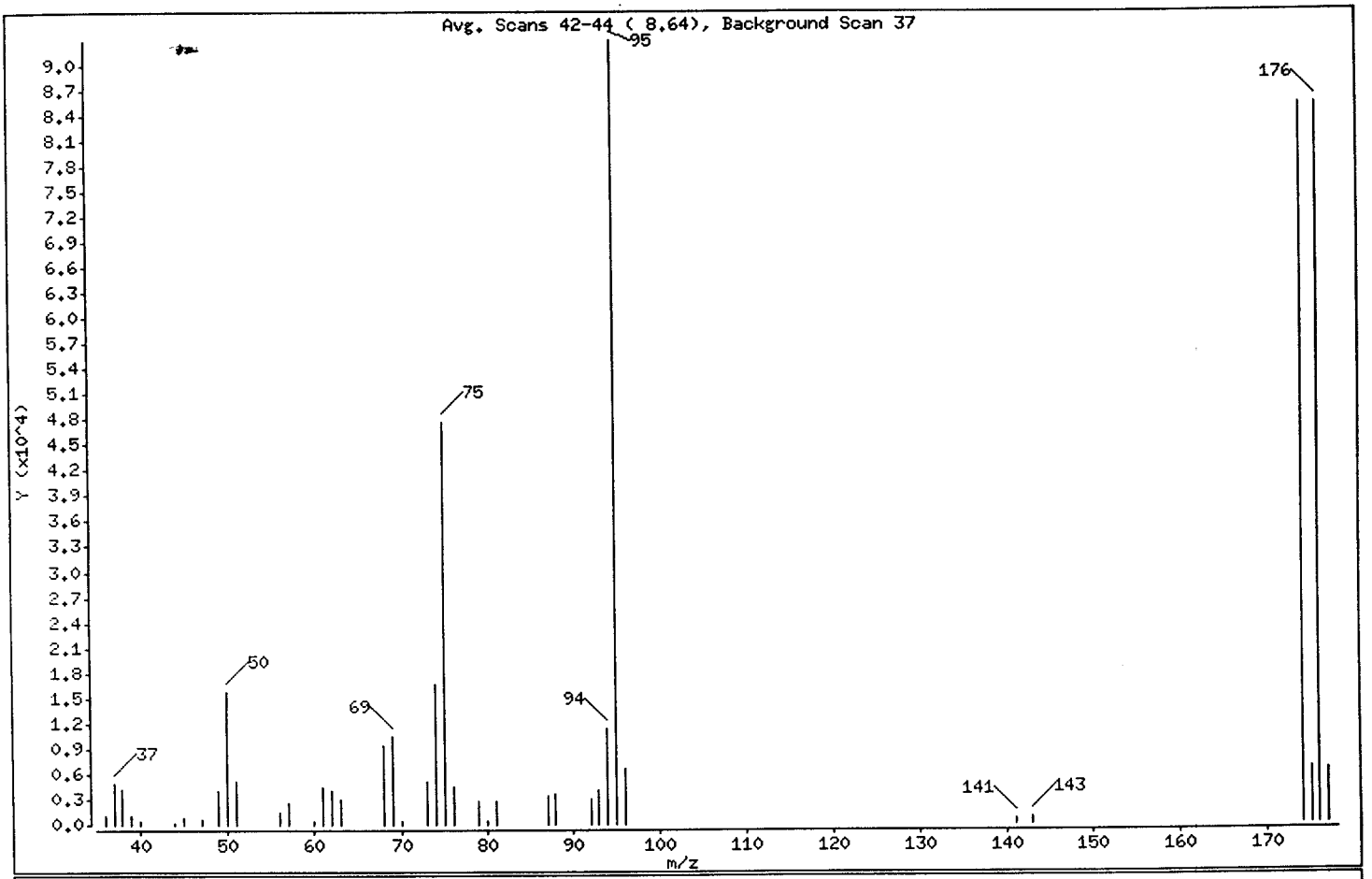
Sample Info: ABFB294 50ng

Operator: VOAMS 5

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.02
75	30.00 - 60.00% of mass 95	51.30
96	5.00 - 9.00% of mass 95	7.23
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	91.61
175	5.00 - 9.00% of mass 174	7.06 (7.71)
176	95.00 - 101.00% of mass 174	91.72 (100.12)
177	5.00 - 9.00% of mass 176	6.84 (7.46)

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/20oct00.b/a10332.d

Date : 20-OCT-2000 12:11

Client ID:

Instrument: VOAMS1.i

Sample Info: ABFB294 50ng

Operator: VOAMS 5

Column phase: DB-624

Column diameter: 0.53

Data File: a10332.d
Spectrum: Avg. Scans 42-44 (8.64), Background Scan 37
Location of Maximum: 95.00
Number of points: 40

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	977	56.00	1576	75.00	47664	96.00	6713
37.00	5014	57.00	2472	76.00	4552	141.00	687
38.00	4176	60.00	344	79.00	2748	143.00	757
39.00	1054	61.00	4550	80.00	334	174.00	85112
40.00	382	62.00	4159	81.00	2820	175.00	6558
44.00	124	63.00	3067	87.00	3437	176.00	85216
45.00	802	68.00	9493	88.00	3556	177.00	6354
47.00	711	69.00	10392	92.00	3026		
49.00	3985	70.00	416	93.00	4107		
50.00	15808	73.00	5162	94.00	11422		
51.00	5098	74.00	16656	95.00	92904		

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/20oct00.b/a10332.d

Date : 20-OCT-2000 12:11

Client ID:

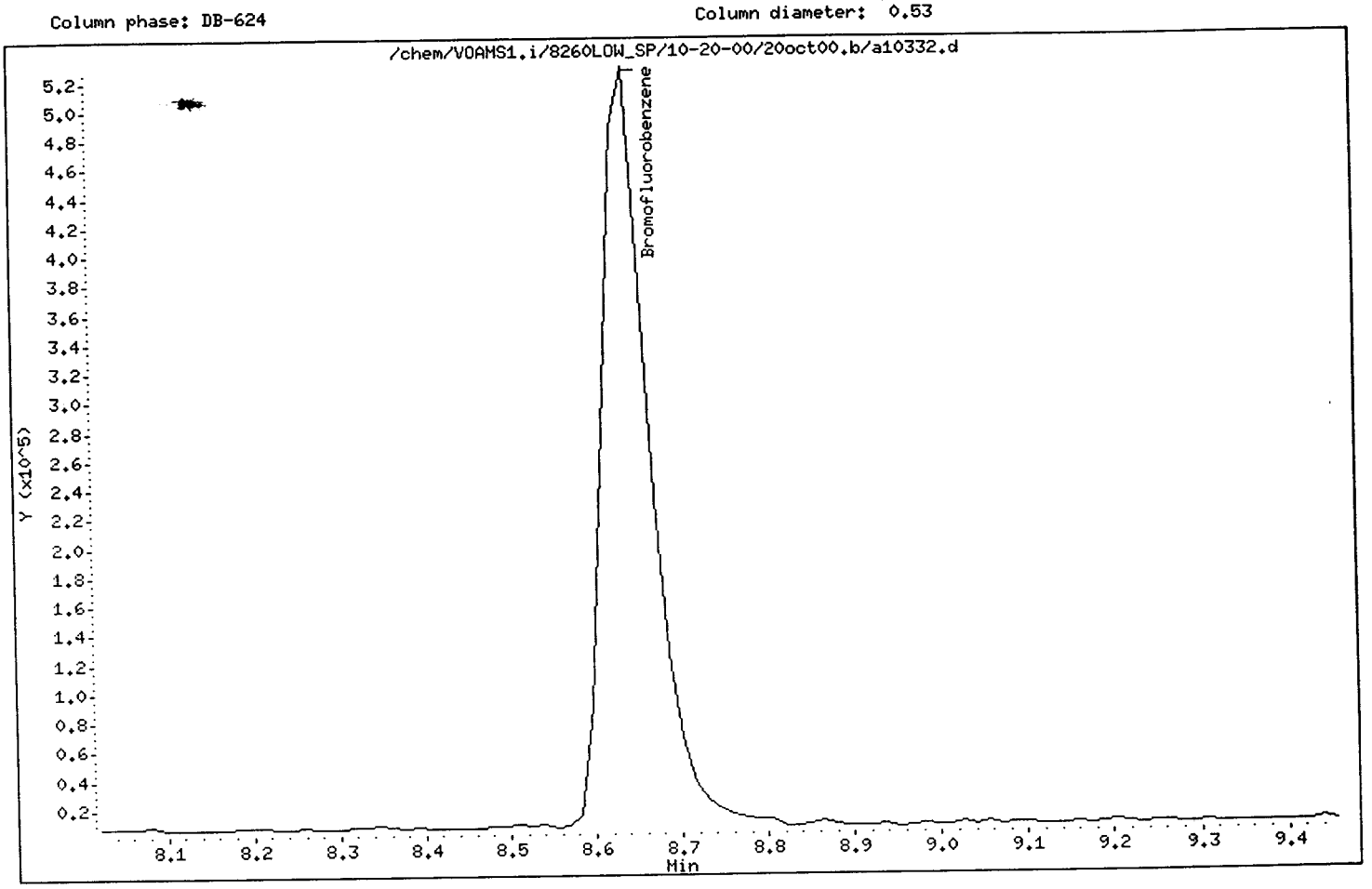
Instrument: VOAMS1.i

Sample Info: ABFB294 50ng

Operator: VOAMS 5

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: V22490

BFB Injection Date: 10/24/00

Instrument ID: VOAMS7

BFB Injection Time: 1353

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.2
75	30.0 - 60.0% of mass 95	56.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	73.9
175	5.0 - 9.0% of mass 174	5.7 (7.7)1
176	95.0 - 101.0% of mass 174	74.4 (100.8)1
177	5.0 - 9.0% of mass 176	4.8 (6.4)2

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

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

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005	VSTD005	V22492	10/24/00	1452
02	VSTD010	VSTD010	V22493	10/24/00	1518
03	VSTD020	VSTD020	V22494	10/24/00	1545
04	VSTD050	VSTD050	V22495	10/24/00	1612
05	VSTD200	VSTD200	V22496	10/24/00	1639
06					
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20					
21					
22					

Data File: /chem/VOAMS7.i/624/10-24-00/24oct00.b/v22490.d

Date : 24-OCT-2000 13:53

Client ID:

Instrument: VOAMS7.i

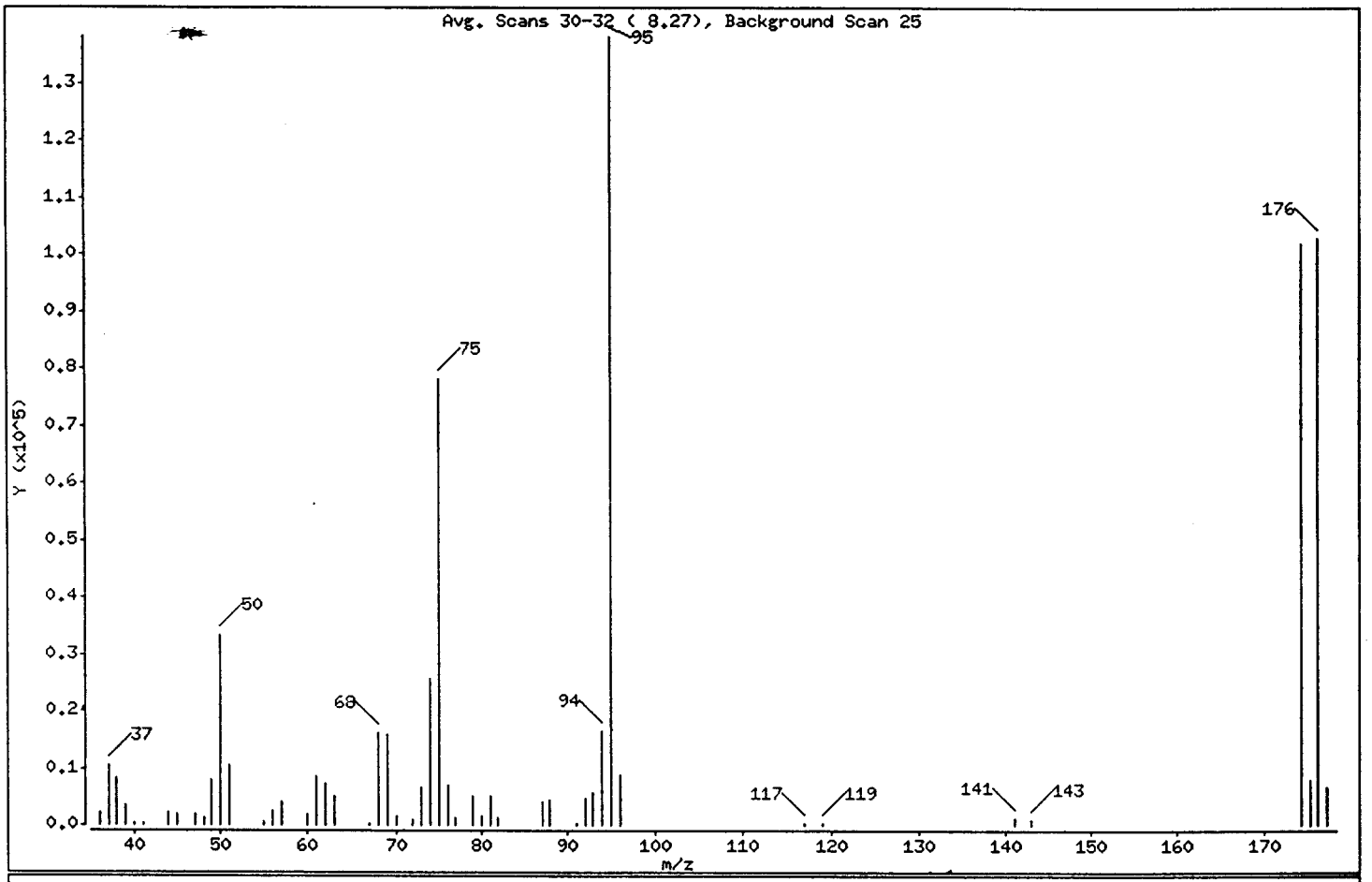
Sample Info: VBFB298 50ng

Operator: VOAMS 4

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.23
75	30.00 - 60.00% of mass 95	56.50
96	5.00 - 9.00% of mass 95	6.32
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	73.86
175	5.00 - 9.00% of mass 174	5.68 (7.68)
176	95.00 - 101.00% of mass 174	74.41 (100.75)
177	5.00 - 9.00% of mass 176	4.79 (6.44)

Data File: /chem/VOAMS7.i/624/10-24-00/24oct00.b/v22490.d

Date : 24-OCT-2000 13:53

Client ID:

Instrument: VOAMS7.i

Sample Info: VBFB298 50ng

Operator: VOAMS 4

Column phase: DB-624

Column diameter: 0.53

Data File: v22490.d

Spectrum: Avg. Scans 30-32 (8.27), Background Scan 25

Location of Maximum: 95.00

Number of points: 50

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2115	55.00	738	74.00	25640	94.00	16384
37.00	10351	56.00	2674	75.00	78040	95.00	138112
38.00	8149	57.00	4252	76.00	6903	96.00	8733
39.00	3429	60.00	1977	77.00	1183	117.00	381
40.00	183	61.00	8435	79.00	4963	119.00	416
41.00	455	62.00	7185	80.00	1554	141.00	1174
44.00	2244	63.00	5077	81.00	5178	143.00	832
45.00	2015	67.00	335	82.00	1402	174.00	102008
47.00	1848	68.00	16324	87.00	4267	175.00	7839
48.00	1136	69.00	15999	88.00	4591	176.00	102776
49.00	7983	70.00	1553	91.00	473	177.00	6617
50.00	33464	72.00	890	92.00	4748		
51.00	10357	73.00	6815	93.00	5741		

Data File: /chem/VOAMS7.i/624/10-24-00/24oct00.b/v22490.d

Date : 24-OCT-2000 13:53

Client ID:

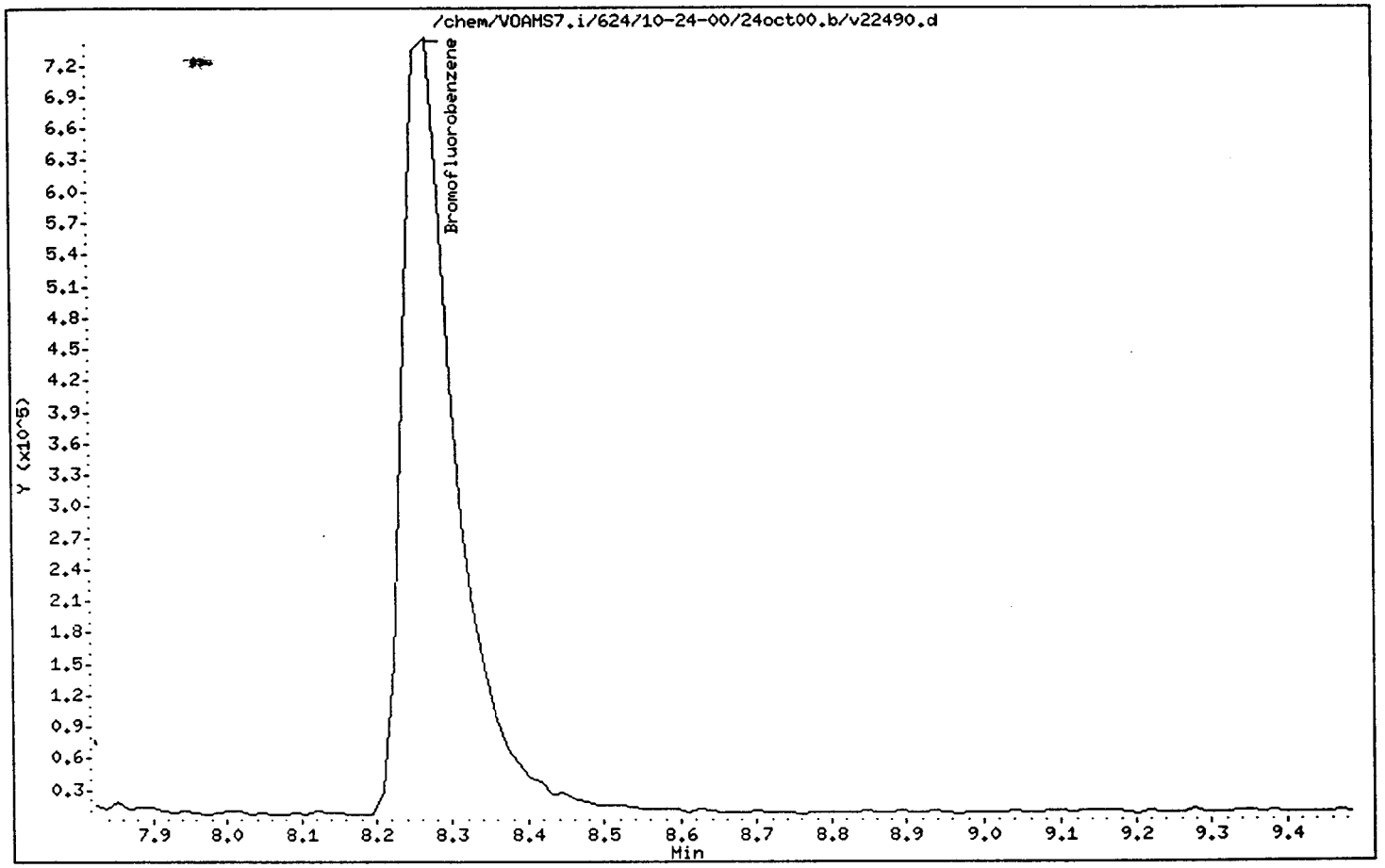
Instrument: VOAMS7.i

Sample Info: VBFB298 50ng

Operator: VOAMS 4

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: V22766

BFB Injection Date: 10/30/00

Instrument ID: VOAMS7

BFB Injection Time: 0802

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.1
75	30.0 - 60.0% of mass 95	58.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	75.3
175	5.0 - 9.0% of mass 174	5.5 (7.3)1
176	95.0 - 101.0% of mass 174	73.1 (97.1)1
177	5.0 - 9.0% of mass 176	4.9 (6.8)2

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

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

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD304	VSTD304	V22770	10/30/00	1045
02	VV304A	VV304A	V22780	10/30/00	1607
03	MW-1	237821	V22790	10/30/00	2159
04	PZ-2	237822	V22791	10/30/00	2226
05	TRIP_BLANK-1	237823	V22792	10/30/00	2253
06	FIELD_BLANK-	237824	V22793	10/30/00	2319
07	TRIP_BLANK-2	237830	V22794	10/30/00	2347
08	FIELD_BLANK-	237831	V22795	10/31/00	0013
09					
10					
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12					
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14					
15					
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18					
19					
20					
21					
22					

Data File: /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22766.d

Date : 30-OCT-2000 08:02

Client ID:

Instrument: VOAMS7.i

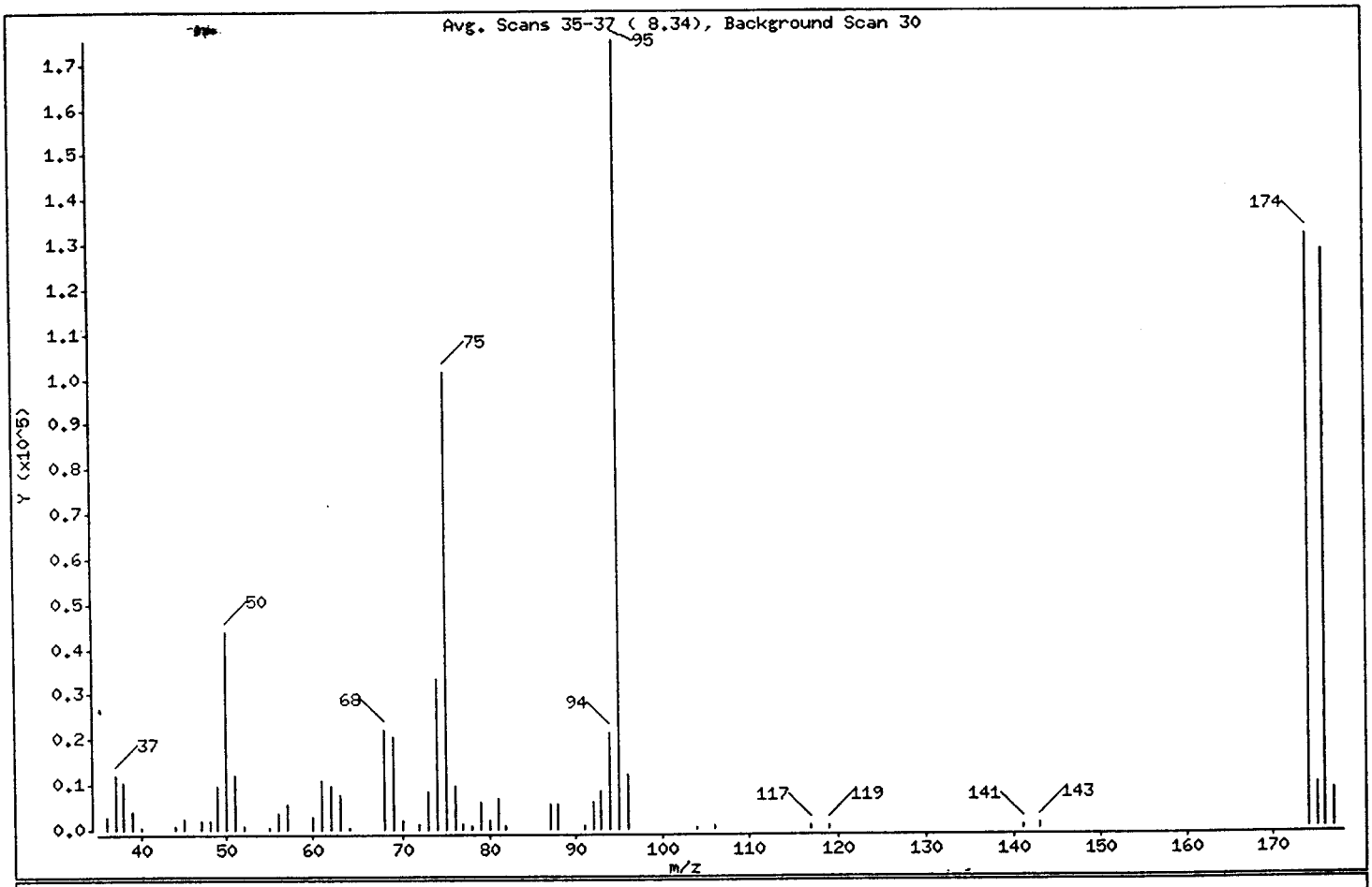
Sample Info: VBFB304 50ng

Operator: VOAMS 4

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	25.05
75	30.00 - 60.00% of mass 95	57.96
96	5.00 - 9.00% of mass 95	6.84
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	75.26
175	5.00 - 9.00% of mass 174	5.49 (7.29)
176	95.00 - 101.00% of mass 174	73.09 (97.13)
177	5.00 - 9.00% of mass 176	4.94 (6.75)

Data File: /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22766.d

Date : 30-OCT-2000 08:02

Client ID:

Instrument: VOAMS7.i

Sample Info: VBFB304 50ng

Operator: VOAMS 4

Column phase: DB-624

Column diameter: 0.53

Data File: v22766.d

Spectrum: Avg. Scans 35-37 (8.34), Background Scan 30

Location of Maximum: 95.00

Number of points: 53

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2664	56.00	3510	76.00	9736	96.00	11971
37.00	11928	57.00	5802	77.00	1256	104.00	477
38.00	10666	60.00	2705	78.00	745	106.00	774
39.00	3994	61.00	10736	79.00	6055	117.00	720
40.00	347	62.00	9678	80.00	1957	119.00	790
44.00	950	63.00	7624	81.00	6786	141.00	932
45.00	2543	64.00	377	82.00	851	143.00	1343
47.00	2075	68.00	22136	87.00	5538	174.00	131776
48.00	1973	69.00	20480	88.00	5607	175.00	9608
49.00	9541	70.00	2053	91.00	730	176.00	127992
50.00	43864	72.00	1148	92.00	5985	177.00	8644
51.00	12216	73.00	8385	93.00	8407		
52.00	753	74.00	33424	94.00	21264		
55.00	336	75.00	101496	95.00	175104		

Data File: /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22766.d

Date : 30-OCT-2000 08:02

Client ID:

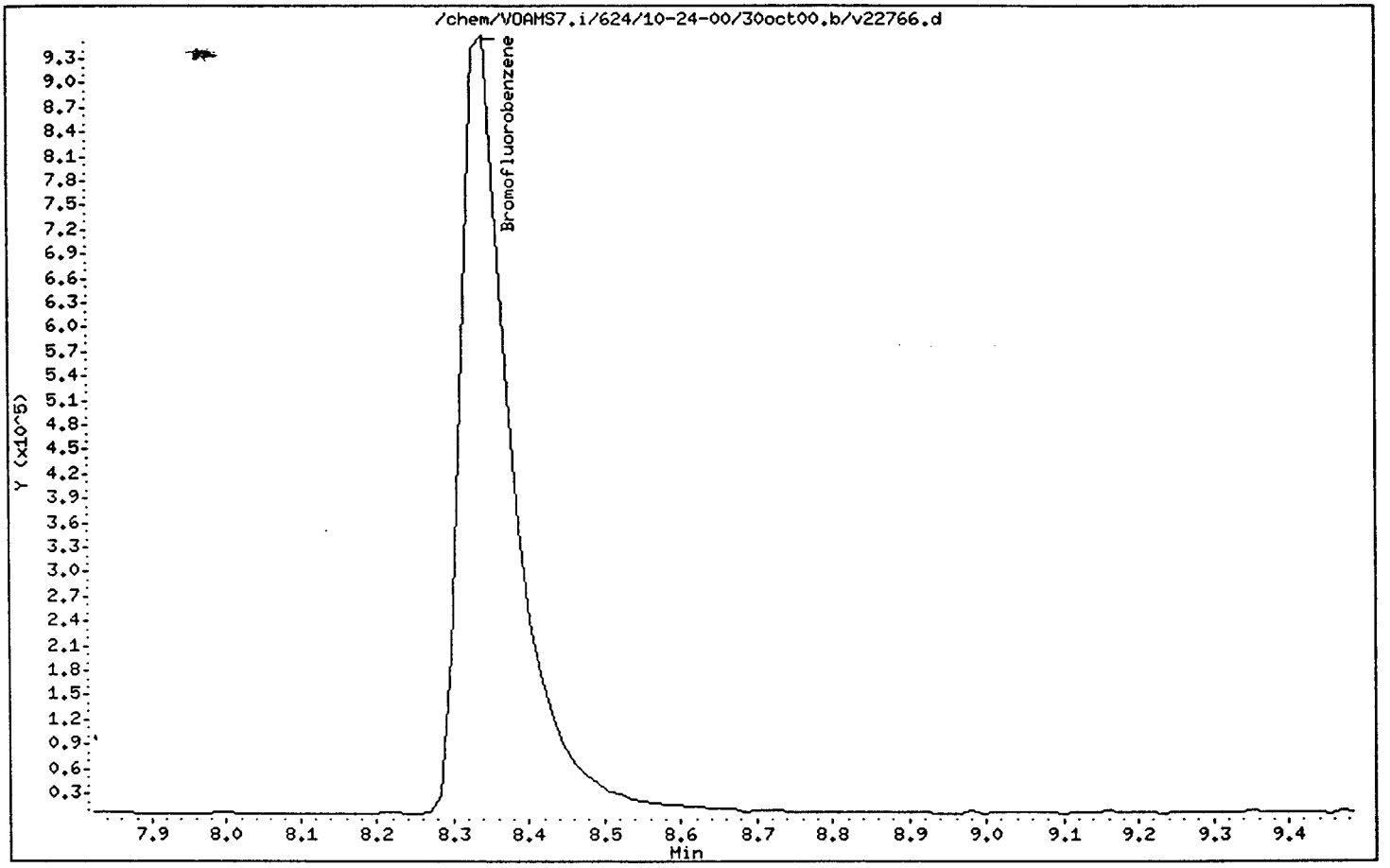
Instrument: VOAMS7.i

Sample Info: VBFB304 50ng

Operator: VOAMS 4

Column phase: DB-624

Column diameter: 0.53



LAB SAMPLE NO.

AV303

VOLATILE METHOD BLANK SUMMARY

Matrix: SOIL

Level: LOW

Lab File ID: A10440

Instrument ID: VOAMS1

Date Analyzed: 10/29/00

Time Analyzed: 1352

Heated Purge (Y/N) Y

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

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	EB-1_6-12	237812	A10441	1436
02	EB-1_6-12R1	237812R1	A10453	2053
03	EB-2_CATCH_BASIN	237813	A10454	2124
04	EB-3_16-16.5	237814	A10455	2156
05				
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COMMENTS:

Client ID: **AV303**
Site:

Lab Sample No: **AV303**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/29/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10440.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	0.8J	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
2-Chloroethyl Vinyl Ether	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0

Client ID: **AV303**
Site:

Lab Sample No: **AV303**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/29/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10440.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Styrene	ND	5.0
Xylene (Total)	ND	5.0
Ethyl Ether	ND	5.0
Acrolein	ND	100
Freon TF	ND	5.0
Isopropanol	ND	1000
Acetonitrile	ND	100
TBA	ND	100
Acrylonitrile	ND	50
MTBE	ND	5.0
Hexane	ND	5.0
DIPE	ND	5.0
Ethyl Acetate	ND	10
Vinyl Acetate	ND	5.0
Tetrahydrofuran	ND	5.0
Cyclohexane	ND	5.0
Isobutanol	ND	500
Isopropyl Acetate	ND	10
n-Heptane	ND	5.0
n-Butanol	ND	500
Propyl Acetate	ND	10
Butyl Acetate	ND	10
1,2-Dibromoethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
Naphthalene	ND	5.0
Methylnaphthalene (total)	ND	5.0
Dimethylnaphthalene (total)	ND	5.0
Dichlorodifluoromethane	ND	5.0
1,1-Dichloropropene	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
1,4-Dioxane	ND	1000

Client ID: **AV303**
Site:

Lab Sample No: **AV303**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/29/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10440.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Methyl Acrylate	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0
1,2,3-Trichloropropane	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
1,2-Dibromo-3-chloropropane	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
1,3-Dichloropropane	ND	5.0
2,2-Dichloropropane	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
Bromobenzene	ND	5.0
Bromochloromethane	ND	5.0
Dibromomethane	ND	5.0
Isopropylbenzene	ND	5.0
n-Butylbenzene	ND	5.0
n-Propylbenzene	ND	5.0
p-Isopropyltoluene	ND	5.0
sec-Butylbenzene	ND	5.0
tert-Butylbenzene	ND	5.0
Allyl chloride	ND	5.0
Benzyl chloride	ND	5.0
Epichlorohydrin	ND	100
Isoprene	ND	5.0
Methyl methacrylate	ND	5.0
n-Pentane	ND	5.0
Allyl alcohol	ND	1000
Cyclohexene	ND	5.0
Ethyl methacrylate	ND	5.0
Methyl acetate	ND	5.0
Methylcyclohexane	ND	5.0
Ethanol	ND	500
p-Ethyltoluene	ND	5.0
1,4-Diethylbenzene	ND	5.0

Client ID: **AV303**
Site:

Lab Sample No: **AV303**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/29/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10440.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
1,2,4,5-Tetramethylbenzene	ND	5.0

Client ID: **AV303**
Site:

Lab Sample No: **AV303**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/29/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10440.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10440.d
Report Date: 02-Nov-2000 17:40

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10440.d
Lab Smp Id: AV303 Client Smp ID: AV303
Inj Date : 29-OCT-2000 13:52
Operator : VOAMS 8 Inst ID: VOAMS1.i
Smp Info : AV303
Misc Info :
Comment :
Method : /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/8260L_00.m
Meth Date : 29-Oct-2000 12:18 johnz Quant Type: ISTD
Cal Date : 20-OCT-2000 18:54 Cal File: a10343.d
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	6 Methylene Chloride	84	6.719	6.687	(0.664)	26956	0.77541	0.78(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	9.659	9.627	(0.955)	1260038	41.2904	41
*	19 Fluorobenzene	96	10.117	10.085	(1.000)	5117896	50.0000	
$	37 Toluene-d8 (SUR)	98	12.052	12.020	(0.877)	3669476	46.8627	47
*	32 Chlorobenzene-d5	117	13.736	13.719	(1.000)	4039214	50.0000	
$	41 Bromofluorobenzene (SUR)	174	15.022	15.004	(0.924)	2459970	49.2714	49
*	91 1,4-Dichlorobenzene-d4	152	16.262	16.245	(1.000)	2265961	50.0000	

QC Flag Legend

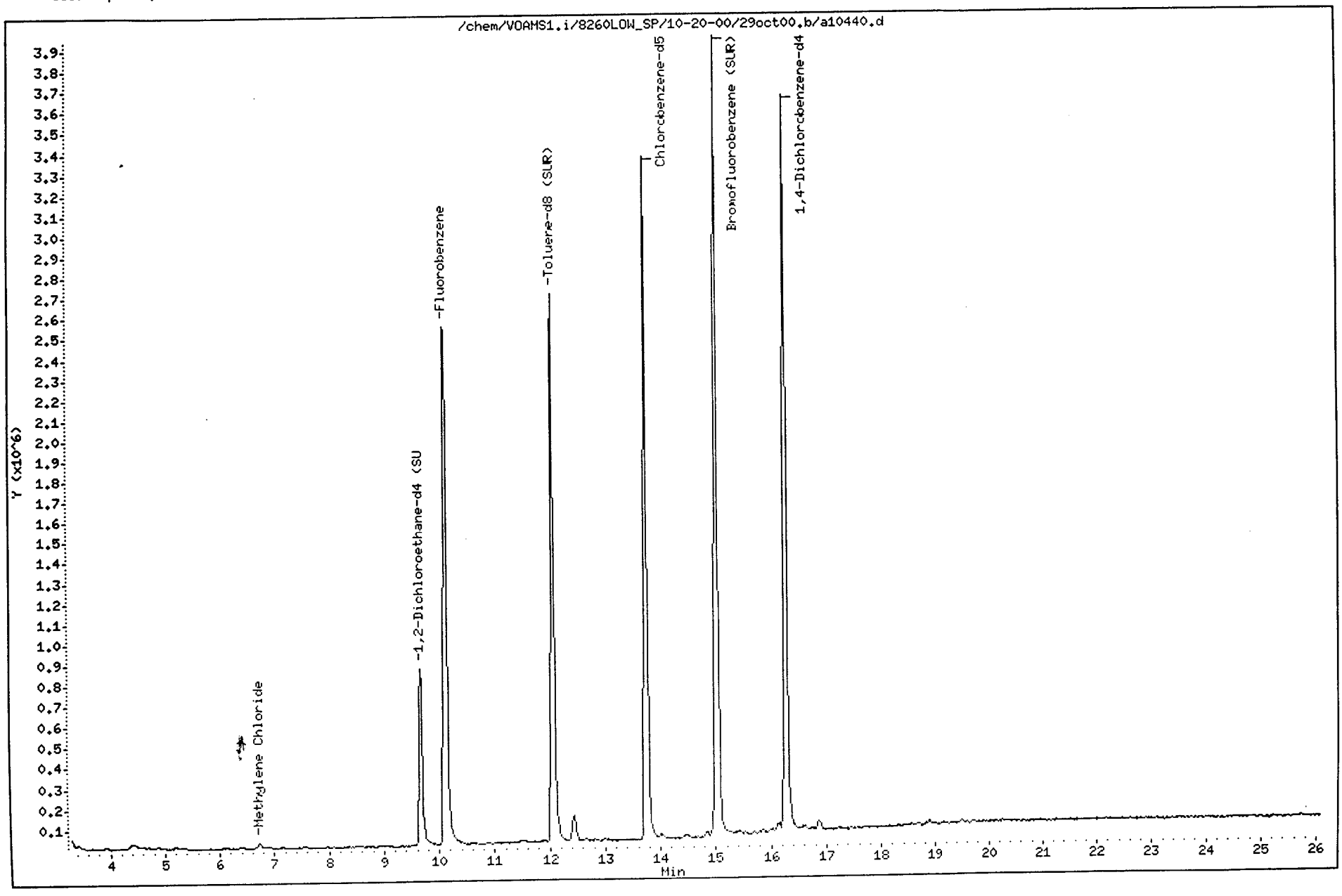
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10440.d
Date : 29-OCT-2000 13:52
Client ID: AV303
Sample Info: AV303

Column phase: DB624

Instrument: VOAMS1.i

Operator: VOAMS 8
Column diameter: 0.53



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/29oct00.b/a10440.d

Date : 29-OCT-2000 13:52

Client ID: AV303

Instrument: VOAMS1.i

Sample Info: AV303

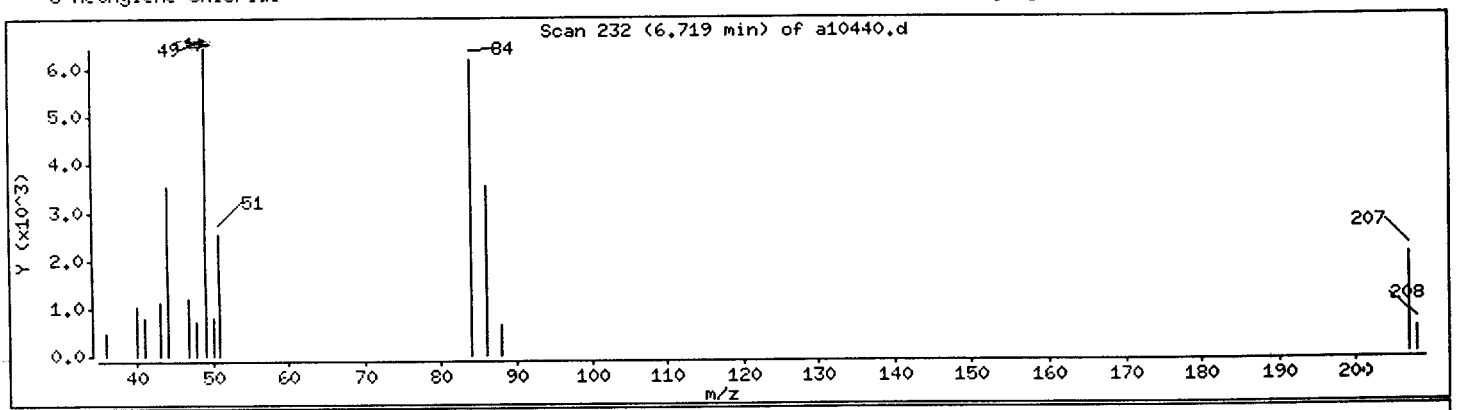
Operator: VOAMS 8

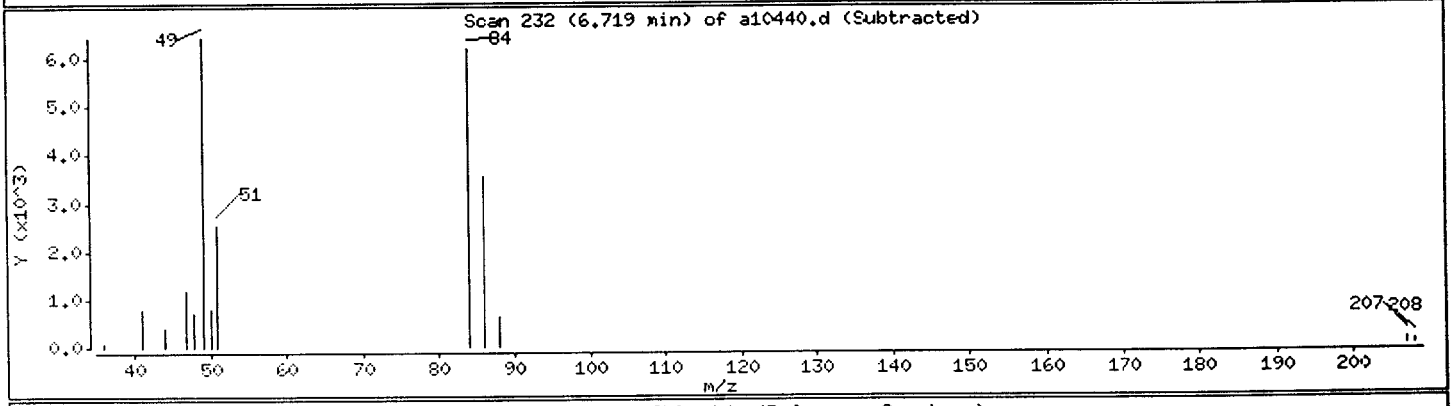
Column phase: DB624

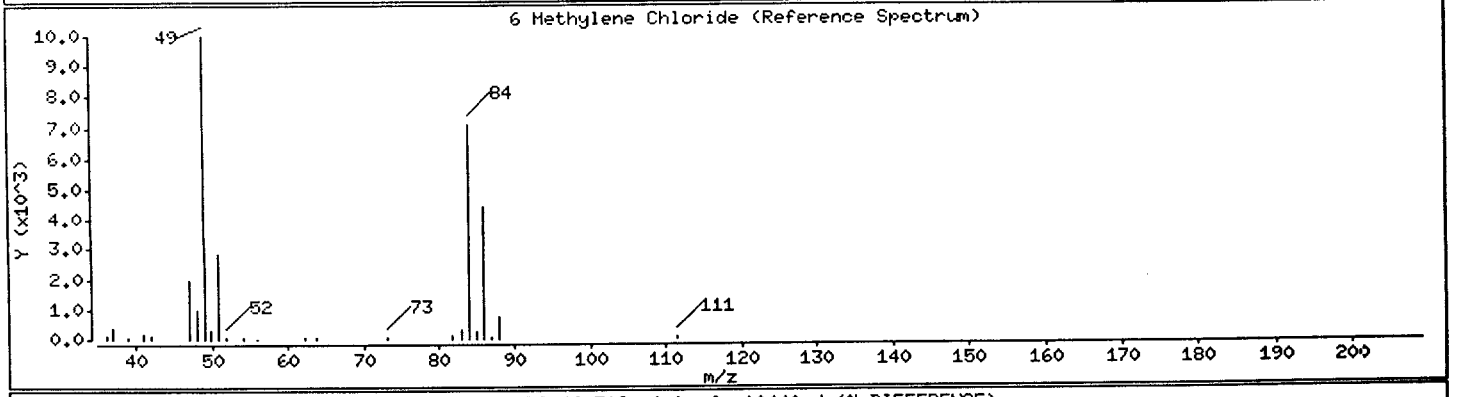
Column diameter: 0.53

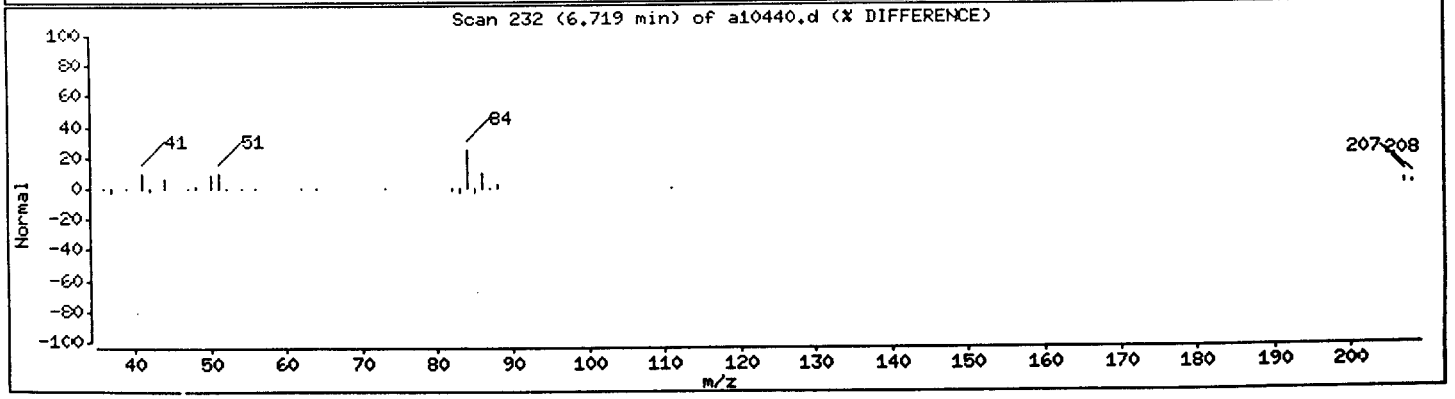
6 Methylene Chloride

Concentration: 0.78 ug/Kg









LAB SAMPLE NO.

AV304

VOLATILE METHOD BLANK SUMMARY

Matrix: SOIL

Level: LOW

Lab File ID: A10462

Instrument ID: VOAMS1

Date Analyzed: 10/30/00

Time Analyzed: 1054

Heated Purge (Y/N) Y

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

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	EB-4_1.5-2	237815	A10463	1135
02	EB-5_1.2-1.7	237816	A10464	1206
03	EB-6_OUTFALL	237817	A10465	1238
04	TPE-2	237819	A10467	1340
05	TPE-3	237820	A10468	1412
06	EB-4_16-16.5	237839	A10469	1444
07	EB-3_16-16.5R1	237814R1	A10470	1516
08				
09				
10				
11				
12				
13				
14				
15				
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20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

Client ID: **AV304**
Site:

Lab Sample No: **AV304**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10462.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	0.2J	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
2-Chloroethyl Vinyl Ether	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0

Client ID: **AV304**
Site:

Lab Sample No: **AV304**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10462.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Styrene	ND	5.0
Xylene (Total)	ND	5.0
Ethyl Ether	ND	5.0
Acrolein	ND	100
Freon TF	ND	5.0
Isopropanol	ND	1000
Acetonitrile	ND	100
TBA	ND	100
Acrylonitrile	ND	50
MTBE	ND	5.0
Hexane	ND	5.0
DIPE	ND	5.0
Ethyl Acetate	ND	10
Vinyl Acetate	ND	5.0
Tetrahydrofuran	ND	5.0
Cyclohexane	ND	5.0
Isobutanol	ND	500
Isopropyl Acetate	ND	10
n-Heptane	ND	5.0
n-Butanol	ND	500
Propyl Acetate	ND	10
Butyl Acetate	ND	10
1,2-Dibromoethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
Naphthalene	ND	5.0
Methylnaphthalene (total)	ND	5.0
Dimethylnaphthalene (total)	ND	5.0
Dichlorodifluoromethane	ND	5.0
1,1-Dichloropropene	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
1,4-Dioxane	ND	1000

Client ID: **AV304**
Site:

Lab Sample No: **AV304**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10462.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Methyl Acrylate	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0
1,2,3-Trichloropropane	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
1,2-Dibromo-3-chloropropane	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
1,3-Dichloropropane	ND	5.0
2,2-Dichloropropane	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
Bromobenzene	ND	5.0
Bromochloromethane	ND	5.0
Dibromomethane	ND	5.0
Isopropylbenzene	ND	5.0
n-Butylbenzene	ND	5.0
n-Propylbenzene	ND	5.0
p-Isopropyltoluene	ND	5.0
sec-Butylbenzene	ND	5.0
tert-Butylbenzene	ND	5.0
Allyl chloride	ND	5.0
Benzyl chloride	ND	5.0
Epichlorohydrin	ND	100
Isoprene	ND	5.0
Methyl methacrylate	ND	5.0
n-Pentane	ND	5.0
Allyl alcohol	ND	1000
Cyclohexene	ND	5.0
Ethyl methacrylate	ND	5.0
Methyl acetate	ND	5.0
Methylcyclohexane	ND	5.0
Ethanol	ND	500
p-Ethyltoluene	ND	5.0
1,4-Diethylbenzene	ND	5.0

Client ID: **AV304**
Site:

Lab Sample No: **AV304**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10462.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
1,2,4,5-Tetramethylbenzene	ND	5.0

Client ID: **AV304**
Site:

Lab Sample No: **AV304**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10462.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
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16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			
TOTAL ESTIMATED CONCENTRATION		0.0	

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10462.d
Report Date: 03-Nov-2000 14:02

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10462.d
Lab Smp Id: AV304 Client Smp ID: AV304
Inj Date : 30-OCT-2000 10:54
Operator : VOAMS 8 Inst ID: VOAMS1.i
Smp Info : AV304
Misc Info :
Comment :
Method : /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/8260L_00.m
Meth Date : 03-Nov-2000 14:01 maryb Quant Type: ISTD
Cal Date : 20-OCT-2000 18:54 Cal File: a10343.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
6 Methylene Chloride	84	6.792	6.716	(0.669)	6477	0.22443	0.22(aM)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	9.703	9.671	(0.956)	1152193	45.4806	45
* 19 Fluorobenzene	96	10.146	10.129	(1.000)	4248701	50.0000	
$ 37 Toluene-d8 (SUR)	98	12.081	12.064	(0.877)	3240461	49.3144	49
* 32 Chlorobenzene-d5	117	13.780	13.763	(1.000)	3389637	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	15.051	15.048	(0.924)	2102684	50.7170	51
* 91 1,4-Dichlorobenzene-d4	152	16.292	16.289	(1.000)	1881644	50.0000	

QC Flag Legend

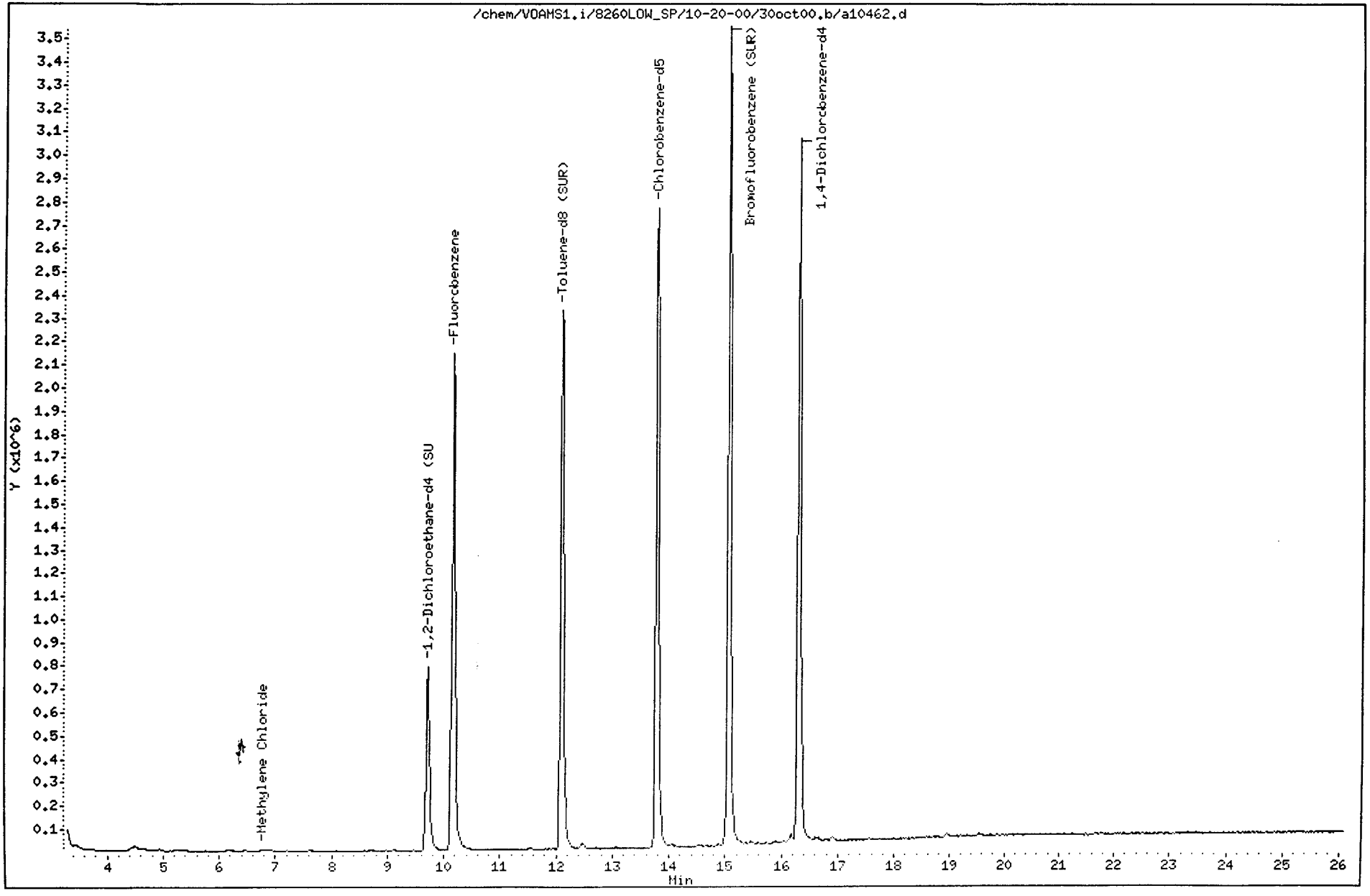
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10462.d
Date : 30-OCT-2000 10:54
Client ID: AV304
Sample Info: AV304

Instrument: VOAMS1.i

Operator: VOAMS 8
Column diameter: 0.53

Column phase: DB624



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00.b/a10462.d

Date : 30-OCT-2000 10:54

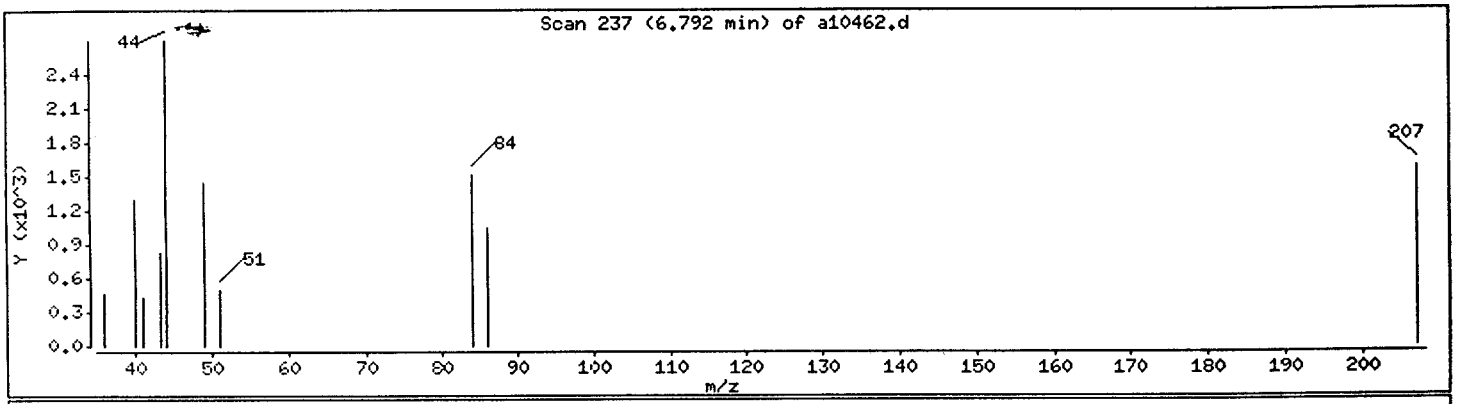
Client ID: AV304 Instrument: VOAMS1.i

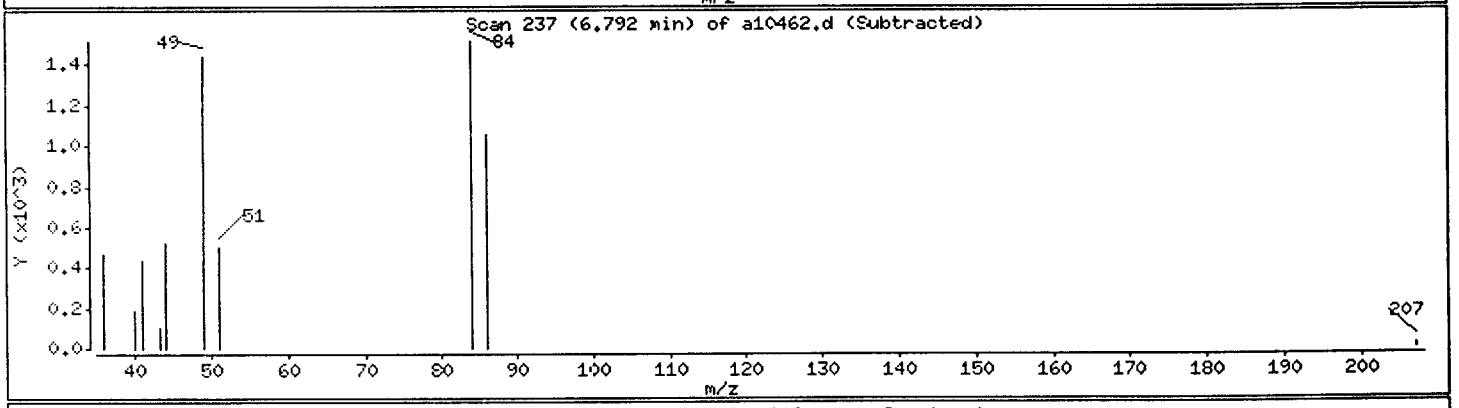
Sample Info: AV304

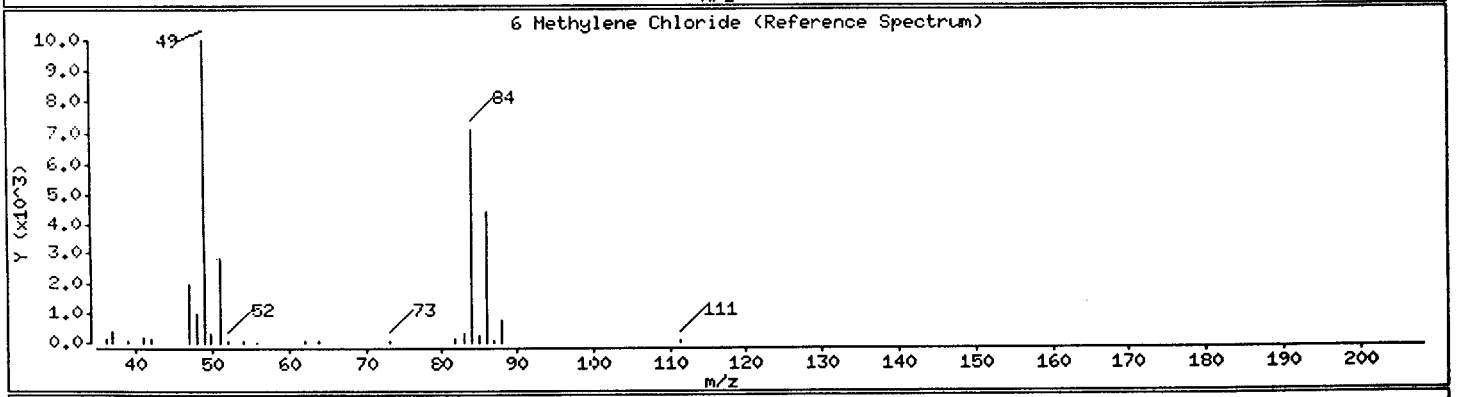
Operator: VOAMS 8

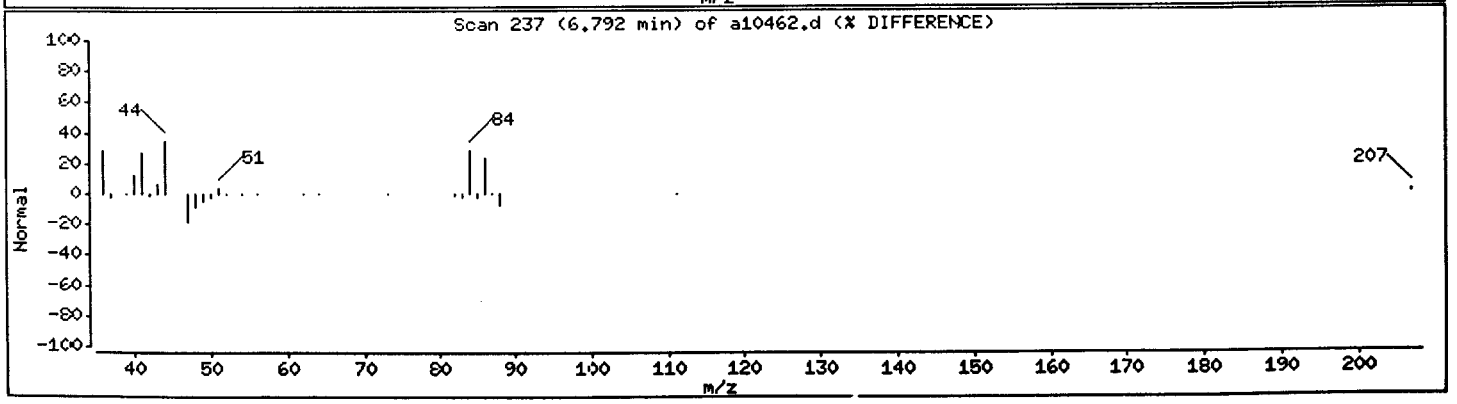
Column phase: DB624 Column diameter: 0.53

6 Methylene Chloride Concentration: 0.22 ug/Kg









LAB SAMPLE NO.

AV304A

VOLATILE METHOD BLANK SUMMARY

Matrix: SOIL

Level: LOW

Lab File ID: A10482

Instrument ID: VOAMS1

Date Analyzed: 10/30/00

Time Analyzed: 2303

Heated Purge (Y/N) Y

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

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	EB-5_1.2-1.7R1	237816R1	A10483	2337
02	EB-6_OUTFALLR1	237817R1	A10484	0008
03	TPE-1	237818	A10485	0040
04	TPE-2R1	237819R1	A10486	0111
05	EB-4_16-16.5R1	237839R1	A10487	0143
06				
07				
08				
09				
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COMMENTS:

Client ID: **AV304A**
Site:

Lab Sample No: **AV304A**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10482.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	0.2J	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
2-Chloroethyl Vinyl Ether	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0

Client ID: **AV304A**
Site:

Lab Sample No: **AV304A**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10482.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Styrene	ND	5.0
Xylene (Total)	ND	5.0
Ethyl Ether	ND	5.0
Acrolein	ND	100
Freon TF	ND	5.0
Isopropanol	ND	1000
Acetonitrile	ND	100
TBA	ND	100
Acrylonitrile	ND	50
MTBE	ND	5.0
Hexane	ND	5.0
DIPE	ND	5.0
Ethyl Acetate	ND	10
Vinyl Acetate	ND	5.0
Tetrahydrofuran	ND	5.0
Cyclohexane	ND	5.0
Isobutanol	ND	500
Isopropyl Acetate	ND	10
n-Heptane	ND	5.0
n-Butanol	ND	500
Propyl Acetate	ND	10
Butyl Acetate	ND	10
1,2-Dibromoethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
Naphthalene	ND	5.0
Methylnaphthalene (total)	ND	5.0
Dimethylnaphthalene (total)	ND	5.0
Dichlorodifluoromethane	ND	5.0
1,1-Dichloropropene	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
1,4-Dioxane	ND	1000

Client ID: **AV304A**
Site:

Lab Sample No: **AV304A**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10482.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Methyl Acrylate	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0
1,2,3-Trichloropropane	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
1,2-Dibromo-3-chloropropane	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
1,3-Dichloropropane	ND	5.0
2,2-Dichloropropane	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
Bromobenzene	ND	5.0
Bromochloromethane	ND	5.0
Dibromomethane	ND	5.0
Isopropylbenzene	ND	5.0
n-Butylbenzene	ND	5.0
n-Propylbenzene	ND	5.0
p-Isopropyltoluene	ND	5.0
sec-Butylbenzene	ND	5.0
tert-Butylbenzene	ND	5.0
Allyl chloride	ND	5.0
Benzyl chloride	ND	5.0
Epichlorohydrin	ND	100
Isoprene	ND	5.0
Methyl methacrylate	ND	5.0
n-Pentane	ND	5.0
Allyl alcohol	ND	1000
Cyclohexene	ND	5.0
Ethyl methacrylate	ND	5.0
Methyl acetate	ND	5.0
Methylcyclohexane	ND	5.0
Ethanol	ND	500
p-Ethyltoluene	ND	5.0
1,4-Diethylbenzene	ND	5.0

Client ID: **AV304A**
Site:

Lab Sample No: **AV304A**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10482.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
1,2,4,5-Tetramethylbenzene	ND	5.0

Client ID: **AV304A**
Site:

Lab Sample No: **AV304A**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10482.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
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21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00a.b/a10482.d
Report Date: 06-Nov-2000 16:13

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00a.b/a10482.d
Lab Smp Id: AV304A Client Smp ID: AV304A
Inj Date : 30-OCT-2000 23:03
Operator : VOAMS 8 Inst ID: VOAMS1.i
Smp Info : AV304A
Misc Info :
Comment :
Method : /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00a.b/8260L_00.m
Meth Date : 06-Nov-2000 16:13 maryb Quant Type: ISTD
Cal Date : 20-OCT-2000 18:54 Cal File: a10343.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
6 Methylene Chloride	84	6.778	6.716	(0.667)	5541	0.17045	0.17(aM)
$ 16 1,2-Dichloroethane-d4 (SUR)	65	9.703	9.670	(0.955)	1196015	41.9116	42
* 19 Fluorobenzene	96	10.161	10.128	(1.000)	4785855	50.0000	
$ 37 Toluene-d8 (SUR)	98	12.082	12.064	(0.877)	3843322	50.6949	51
* 32 Chlorobenzene-d5	117	13.781	13.748	(1.000)	3910769	50.0000	
$ 41 Bromofluorobenzene (SUR)	174	15.051	15.033	(0.924)	2558015	51.1662	51
* 91 1,4-Dichlorobenzene-d4	152	16.292	16.289	(1.000)	2269013	50.0000	

QC Flag Legend

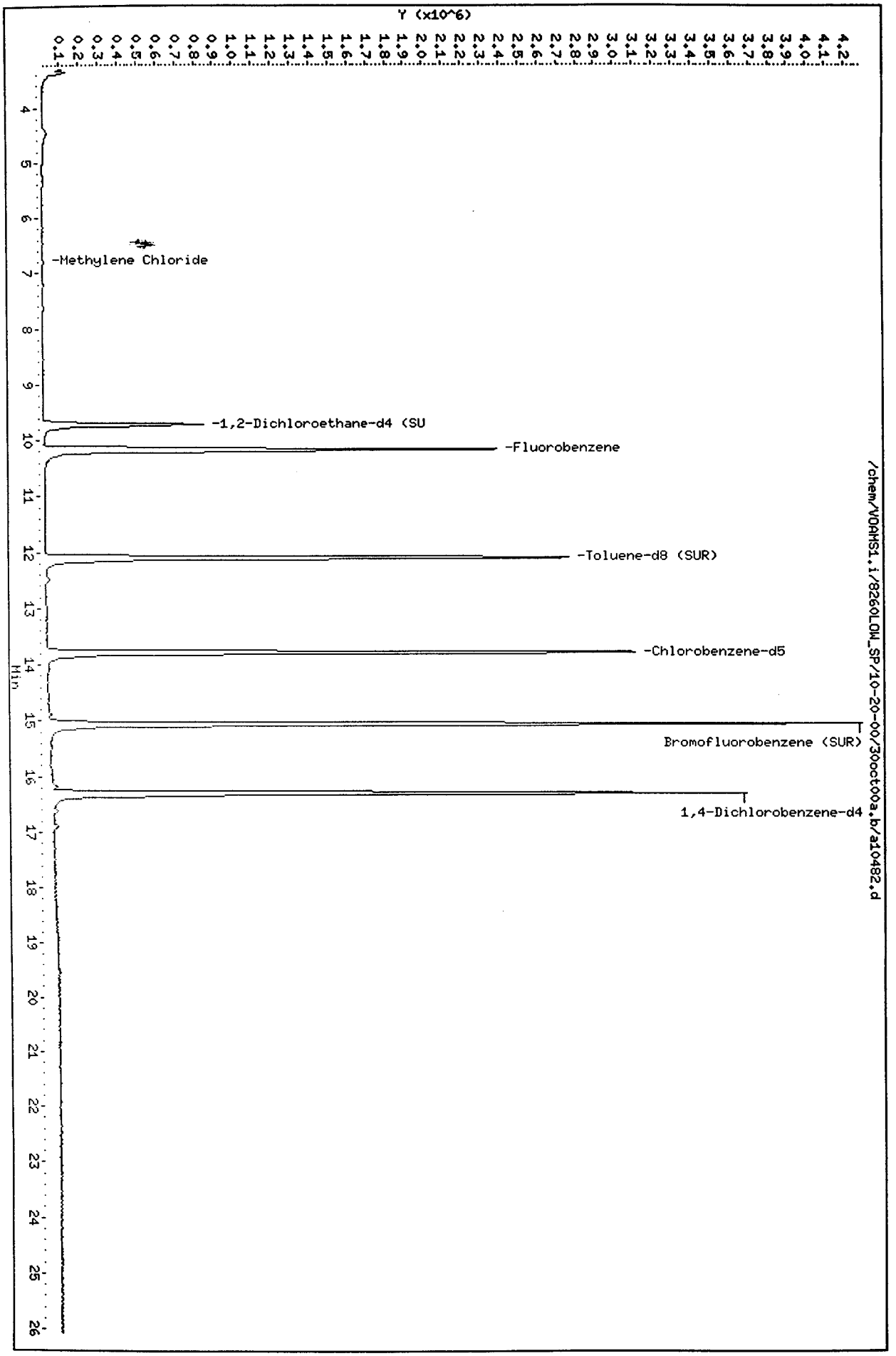
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: /chem/VOAHS1.i/8260LOW_SP/10-20-00/30oct00a.b/a10482.d
Date : 30-OCT-2000 23:03
Client ID: AV304A
Sample Info: AV304A

Instrument: VOAHS1.i

Operator: VOAHS 8
Column diameter: 0.53

Column phase: DB624



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/30oct00a.b/a10482.d

Date : 30-OCT-2000 23:03

Client ID: AV304A

Instrument: VOAMS1.i

Sample Info: AV304A

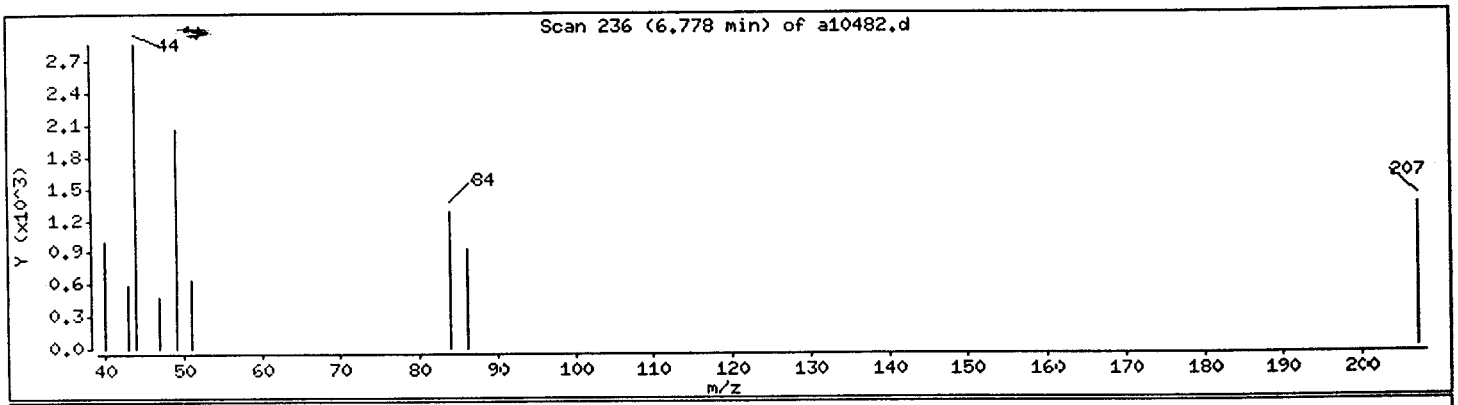
Operator: VOAMS 8

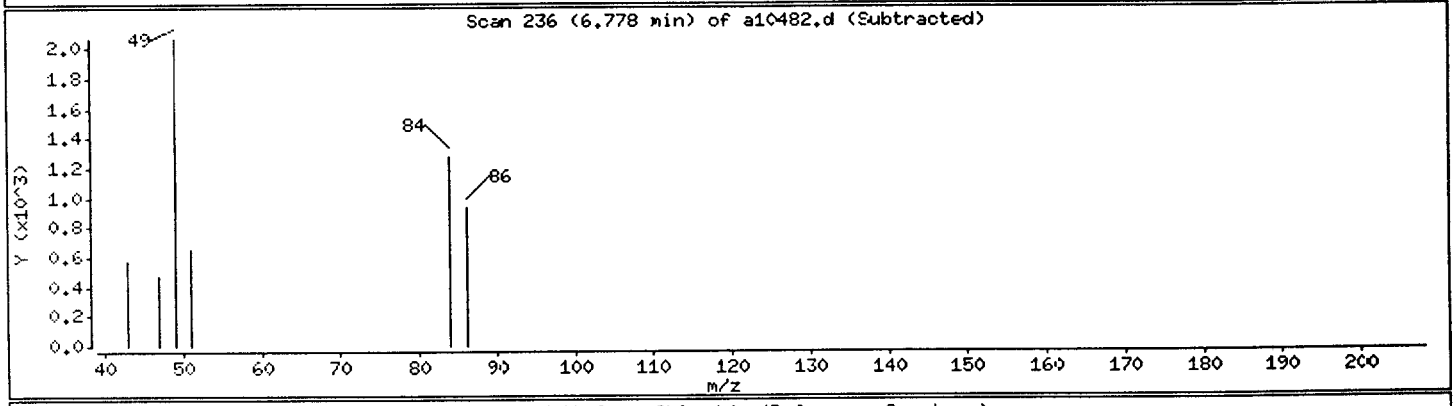
Column phase: DB624

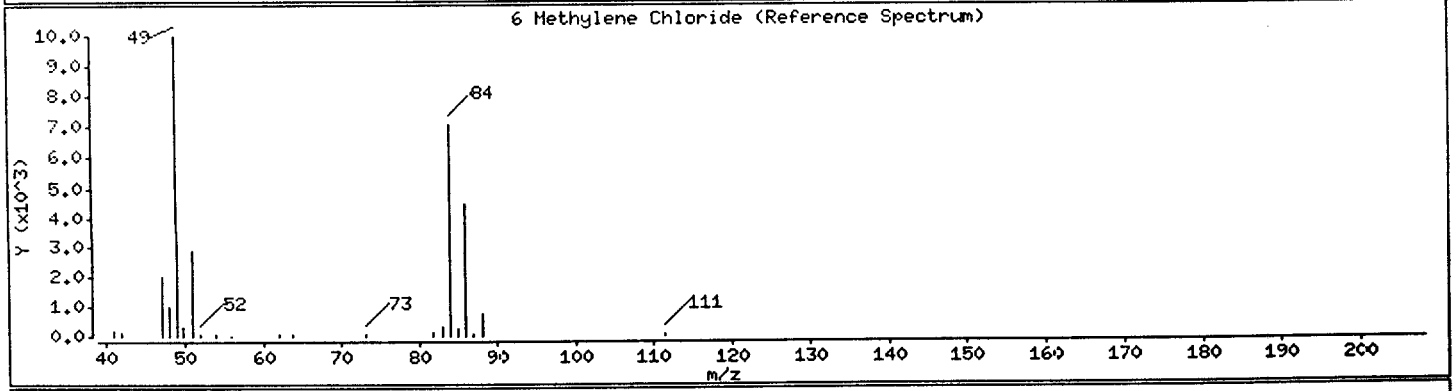
Column diameter: 0.53

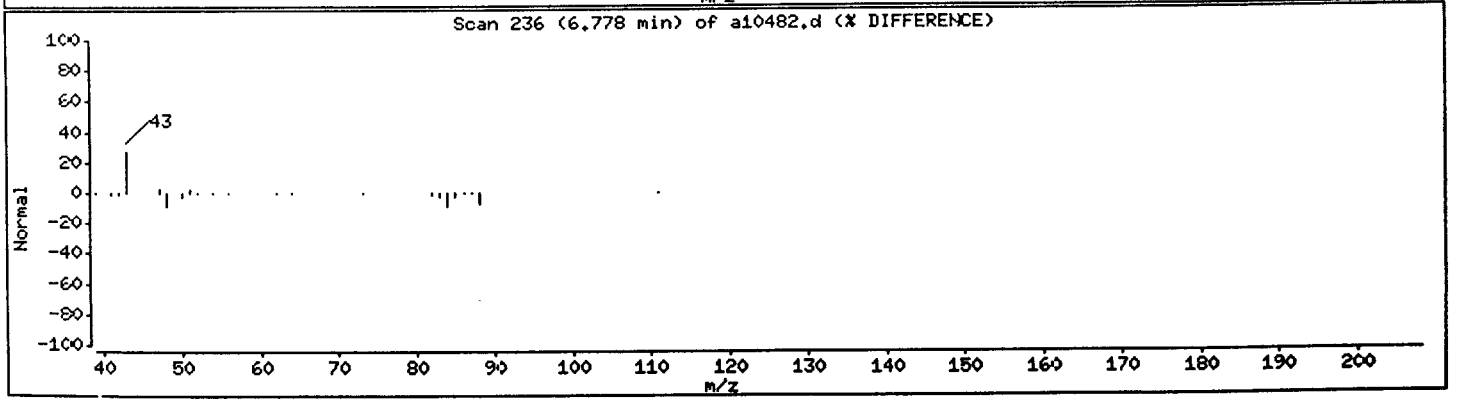
6 Methylene Chloride

Concentration: 0.17 ug/Kg









VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

AV305

Matrix: SOIL

Level: LOW

Lab File ID: A10503

Instrument ID: VOAMS1

Date Analyzed: 10/31/00

Time Analyzed: 1206

Heated Purge (Y/N) Y

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

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	RC-1_2ND_FLRR1	237825R1	A10508	1442
02	RC-2_3RD_FLR	237826	A10510	1541
03	RC-3_3RD_FLR	237827	A10511	1610
04	RC-4_4TH_FLR	237828	A10512	1640
05	ES-1_ELSHAFT_4TH	237829	A10513	1710
06	RC-1_2ND_FLR	237825	A10515	1814
07	RC-2_3RD_FLRR1	237826R1	A10516	1843
08	RC-3_3RD_FLRR1	237827R1	A10517	1913
09	RC-4_4TH_FLRR1	237828R1	A10518	1942
10	ES-1_ELSHAFT_4TH	237829R1	A10519	2012
11				
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COMMENTS:

Client ID: **AV305**
Site:

Lab Sample No: **AV305**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10503.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	0.5J	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
2-Chloroethyl Vinyl Ether	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0

Client ID: **AV305**
Site:

Lab Sample No: **AV305**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10503.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Styrene	ND	5.0
Xylene (Total)	ND	5.0
Ethyl Ether	ND	5.0
Acrolein	ND	100
Freon TF	ND	5.0
Isopropanol	ND	1000
Acetonitrile	ND	100
TBA	ND	100
Acrylonitrile	ND	50
MTBE	ND	5.0
Hexane	ND	5.0
DIPE	ND	5.0
Ethyl Acetate	ND	10
Vinyl Acetate	ND	5.0
Tetrahydrofuran	ND	5.0
Cyclohexane	ND	5.0
Isobutanol	ND	500
Isopropyl Acetate	ND	10
n-Heptane	ND	5.0
n-Butanol	ND	500
Propyl Acetate	ND	10
Butyl Acetate	ND	10
1,2-Dibromoethane	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
Naphthalene	ND	5.0
Methylnaphthalene (total)	ND	5.0
Dimethylnaphthalene (total)	ND	5.0
Dichlorodifluoromethane	ND	5.0
1,1-Dichloropropene	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
1,4-Dioxane	ND	1000

Client ID: **AV305**
Site:

Lab Sample No: **AV305**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10503.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Methyl Acrylate	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0
1,2,3-Trichloropropane	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
1,2-Dibromo-3-chloropropane	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
1,3-Dichloropropane	ND	5.0
2,2-Dichloropropane	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
Bromobenzene	ND	5.0
Bromochloromethane	ND	5.0
Dibromomethane	ND	5.0
Isopropylbenzene	ND	5.0
n-Butylbenzene	ND	5.0
n-Propylbenzene	ND	5.0
p-Isopropyltoluene	ND	5.0
sec-Butylbenzene	ND	5.0
tert-Butylbenzene	ND	5.0
Allyl chloride	ND	5.0
Benzyl chloride	ND	5.0
Epichlorohydrin	ND	100
Isoprene	ND	5.0
Methyl methacrylate	ND	5.0
n-Pentane	ND	5.0
Allyl alcohol	ND	1000
Cyclohexene	ND	5.0
Ethyl methacrylate	ND	5.0
Methyl acetate	ND	5.0
Methylcyclohexane	ND	5.0
Ethanol	ND	500
p-Ethyltoluene	ND	5.0
1,4-Diethylbenzene	ND	5.0

Client ID: **AV305**
Site:

Lab Sample No: **AV305**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10503.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
1,2,4,5-Tetramethylbenzene	ND	5.0

Client ID: **AV305**
Site:

Lab Sample No: **AV305**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/31/00
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a10503.d

Matrix: SOIL
Level: LOW
Sample Weight: 5.0 g
Purge Volume: 5.0 ml
% Moisture: 0.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
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29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10503.d
Report Date: 06-Nov-2000 16:29

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10503.d
Lab Smp Id: AV305 Client Smp ID: AV305
Inj Date : 31-OCT-2000 12:06
Operator : VOAMS 8 Inst ID: VOAMS1.i
Smp Info : AV305
Misc Info :
Comment :
Method : /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/8260L_00.m
Meth Date : 06-Nov-2000 15:01 maryb Quant Type: ISTD
Cal Date : 20-OCT-2000 18:54 Cal File: a10343.d
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	6 Methylene Chloride	84	6.719	6.701	(0.663)	12408	0.45579	0.46 (aM)
$	16 1,2-Dichloroethane-d4 (SUR)	65	9.674	9.655	(0.955)	1055879	44.1837	44
*	19 Fluorobenzene	96	10.132	10.113	(1.000)	4007833	50.0000	
$	37 Toluene-d8 (SUR)	98	12.067	12.049	(0.877)	2993991	46.2219	46
*	32 Chlorobenzene-d5	117	13.766	13.748	(1.000)	3341356	50.0000	
$	41 Bromofluorobenzene (SUR)	174	15.051	15.033	(0.923)	2116730	49.2260	49
*	91 1,4-Dichlorobenzene-d4	152	16.307	16.274	(1.000)	1951590	50.0000	

QC Flag Legend

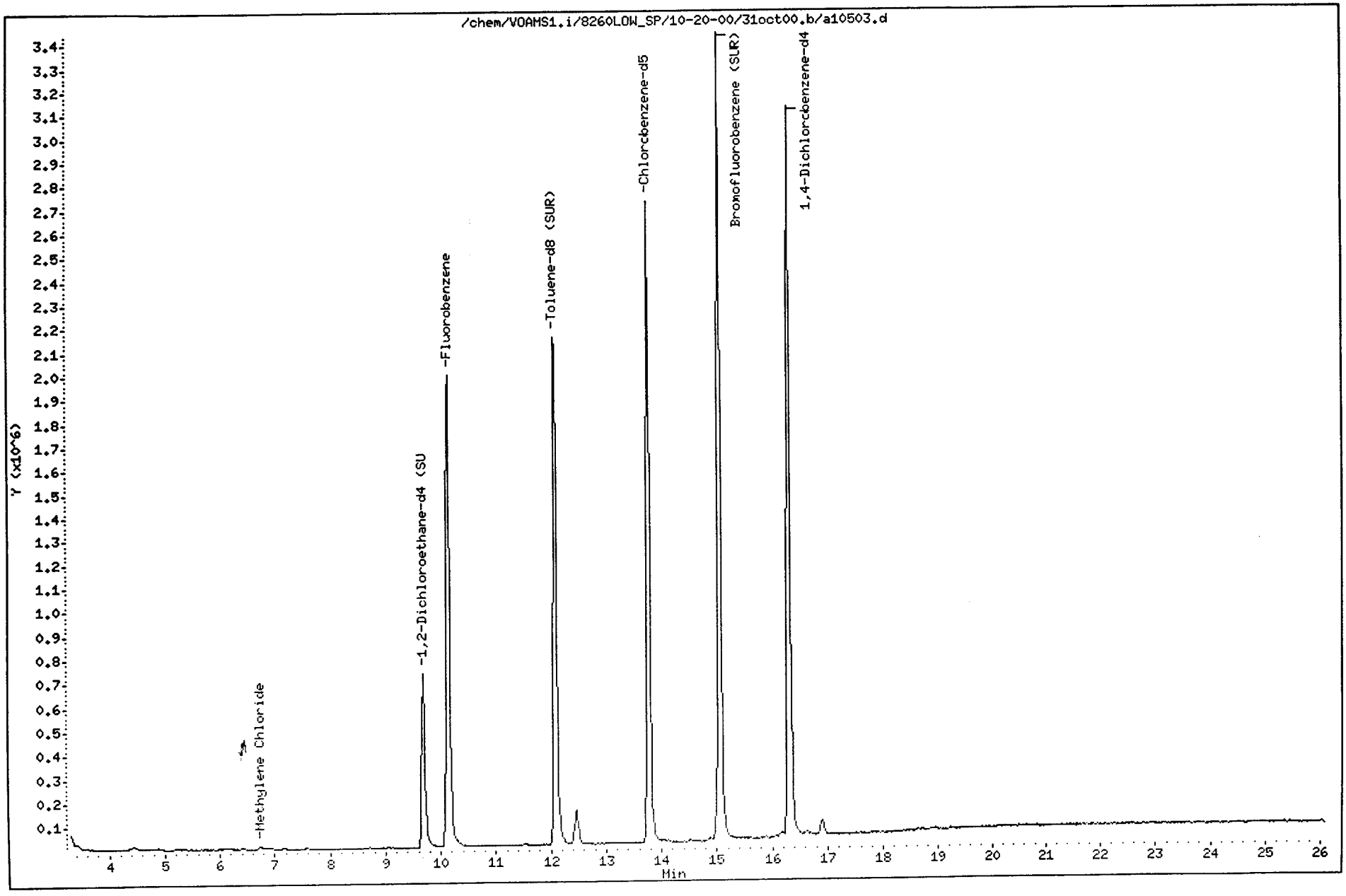
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10503.d
Date : 31-OCT-2000 12:06
Client ID: AV305
Sample Info: AV305

Instrument: VOAMS1.i

Operator: VOAMS 8
Column diameter: 0.53

Column phase: DB624



Data File: /chem/VOAMS1.i/8260LOW_SP/10-20-00/31oct00.b/a10503.d

Date : 31-OCT-2000 12:06

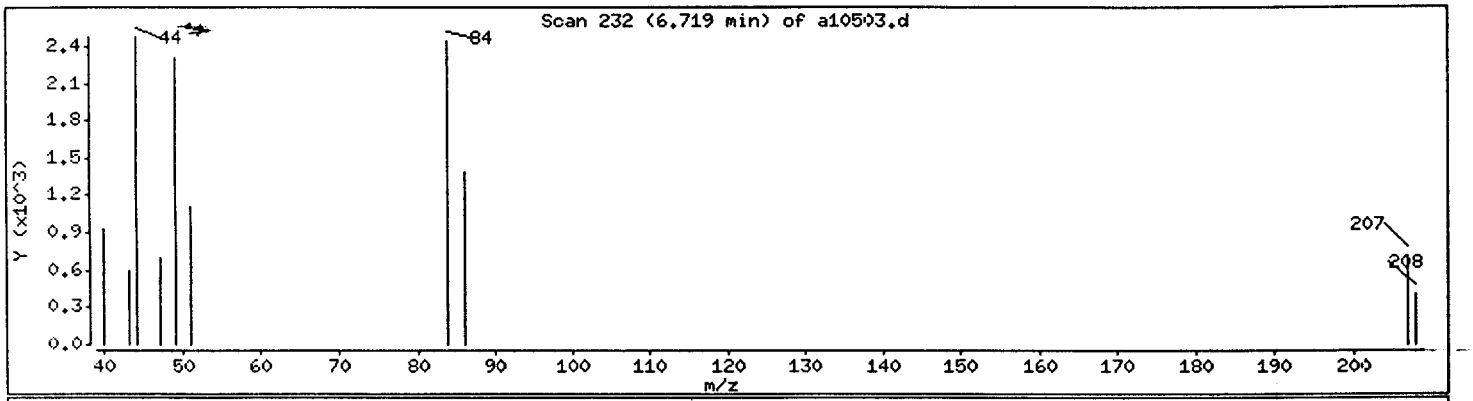
Client ID: AV305 Instrument: VOAMS1.i

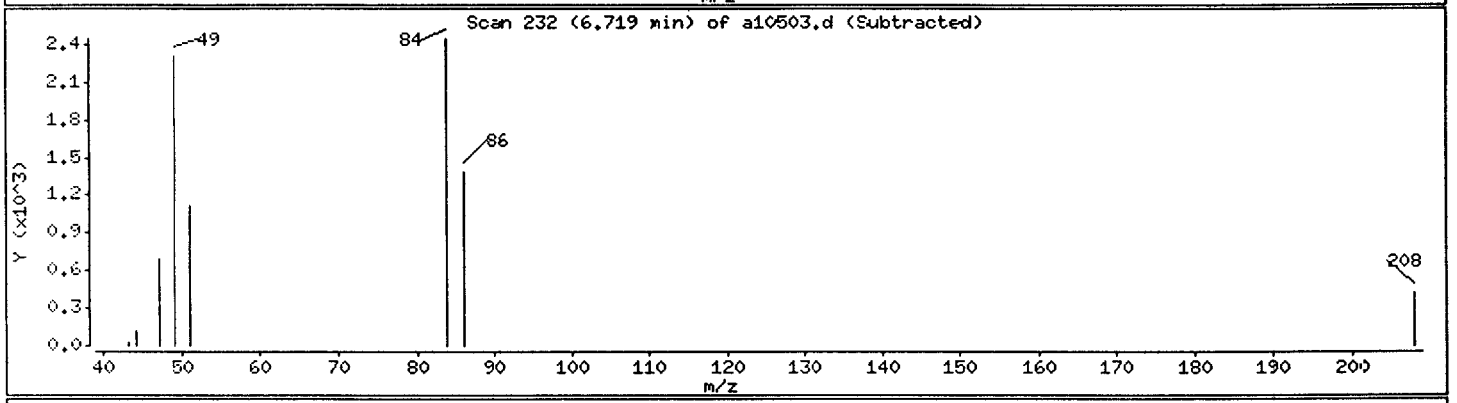
Sample Info: AV305

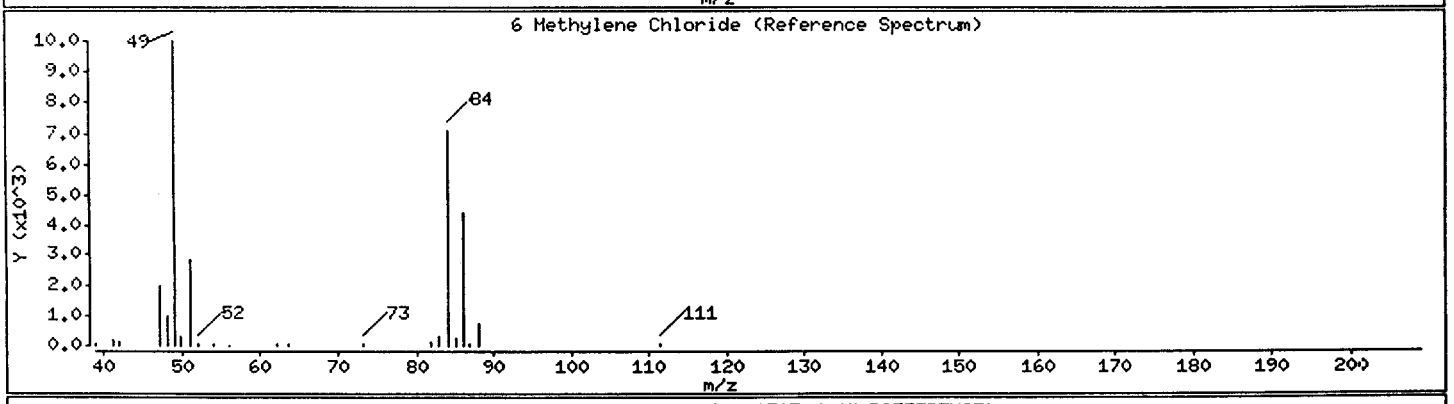
Operator: VOAMS 8

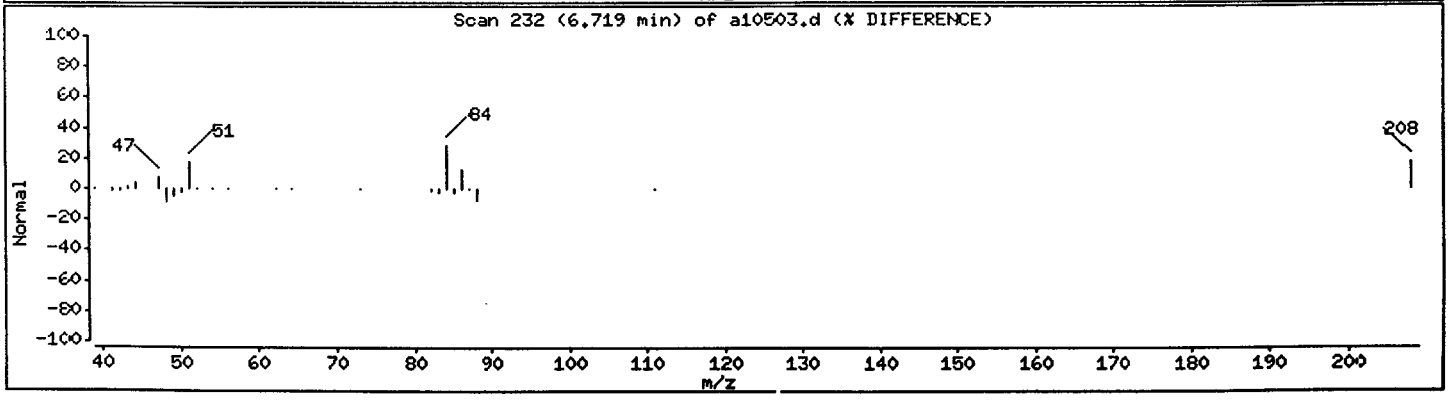
Column phase: DB624 Column diameter: 0.53

6 Methylene Chloride Concentration: 0.46 ug/Kg









LAB SAMPLE NO.

VV304A

VOLATILE METHOD BLANK SUMMARY

Matrix: WATER

Level: LOW

Lab File ID: V22780

Instrument ID: VOAMS7

Date Analyzed: 10/30/00

Time Analyzed: 1607

Heated Purge (Y/N) N

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

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	MW-1	237821	V22790	2159
02	PZ-2	237822	V22791	2226
03	TRIP_BLANK-1	237823	V22792	2253
04	FIELD_BLANK-1025	237824	V22793	2319
05	TRIP_BLANK-2	237830	V22794	2347
06	FIELD_BLANK-1026	237831	V22795	0013
07				
08				
09				
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30				

COMMENTS:

Client ID: **VV304A**
Site:

Lab Sample No: **VV304A**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22780.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.5
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.6
Chloroethane	ND	0.4
Methylene Chloride	ND	0.8
Acetone	ND	1.3
Carbon Disulfide	ND	0.7
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.4
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
2-Butanone	ND	1.1
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.1
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.1
4-Methyl-2-Pentanone	ND	0.6
2-Hexanone	ND	0.6
Tetrachloroethene	ND	0.3
1,1,2,2-Tetrachloroethane	ND	0.1
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.3

Client ID: **VV304A**
Site:

Lab Sample No: **VV304A**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22780.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Styrene	ND	0.2
Xylene (Total)	ND	0.3
Ethyl Ether	ND	0.5
Acrolein	ND	9.1
Freon TF	ND	0.3
Isopropanol	ND	500
Acetonitrile	ND	100
TBA	ND	17
Acrylonitrile	ND	11
MTBE	ND	0.2
Hexane	ND	1.0
DIPE	ND	0.2
Ethyl Acetate	ND	0.8
Vinyl Acetate	ND	5.0
Tetrahydrofuran	ND	5.0
Cyclohexane	ND	0.3
Isobutanol	ND	500
Isopropyl Acetate	ND	0.9
n-Heptane	ND	1.0
n-Butanol	ND	250
Propyl Acetate	ND	0.9
Butyl Acetate	ND	1.0
1,2-Dibromoethane	ND	0.1
1,3-Dichlorobenzene	ND	0.3
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.3
Naphthalene	ND	0.7
Methylnaphthalene (total)	ND	1.0
Dimethylnaphthalene (total)	ND	1.0
Dichlorodifluoromethane	ND	0.2
1,4-Dioxane	ND	380
n-Pentane	ND	0.6
5-Methyl-2-Hexanone	ND	5.0
Isopropylbenzene	ND	0.2

Client ID: **VV304A**
Site:

Lab Sample No: **VV304A**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22780.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
1,2,4-Trimethylbenzene	ND	1.0
Cyclohexanone	ND	100
1,2,4-Trichlorobenzene	ND	0.7
Methyl Methacrylate	ND	0.4
Allyl Alcohol	ND	1000
Epichlorohydrin	ND	5.3
Allyl Chloride	ND	5.0
Benzyl Chloride	ND	1.0
Isoprene	ND	0.4
1,1,1,2-Tetrachloroethane	ND	0.090
Camphene (total)	ND	20
Camphor	ND	20
1,3,5-Trimethylbenzene	ND	1.0
1,2,3-Trichlorobenzene	ND	1.0
n-Butylbenzene	ND	1.0
sec-Butylbenzene	ND	1.0
tert-Butylbenzene	ND	1.0
p-Isopropyltoluene	ND	1.0
n-Propylbenzene	ND	1.0
m+p-Ethyltoluene	ND	1.0
o-Ethyltoluene	ND	1.0
Methyl Acetate	ND	0.4
Methyl cyclohexane	ND	0.4
1,2-Dibromo-3-chloropropane	ND	1.0
Cyclohexene	ND	1.0
1,2-Dichlorotrifluoroethane	ND	1.0
n-Propanol	ND	250
3-Methyl-1-Pentyn-3-ol	ND	250
Propylene Oxide	ND	50
Chlorotrifluoroethane	ND	1.0

Client ID: **VV304A**
Site:

Lab Sample No: **VV304A**
Lab Job No: F104

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/30/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v22780.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
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30.				

TOTAL ESTIMATED CONCENTRATION | 0.0

Data File: /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22780.d
Report Date: 31-Oct-2000 09:49

STL Envirotech

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22780.d
Lab Smp Id: VV304A
Inj Date : 30-OCT-2000 16:07
Operator : VOAMS 6 Inst ID: VOAMS7.i
Smp Info : VV304A
Misc Info :
Comment :
Method : /chem/VOAMS7.i/624/10-24-00/30oct00.b/624_00.m
Meth Date : 30-Oct-2000 11:07 riaz Quant Type: ISTD
Cal Date : 24-OCT-2000 16:39 Cal File: v22496.d
Als bottle: 10 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

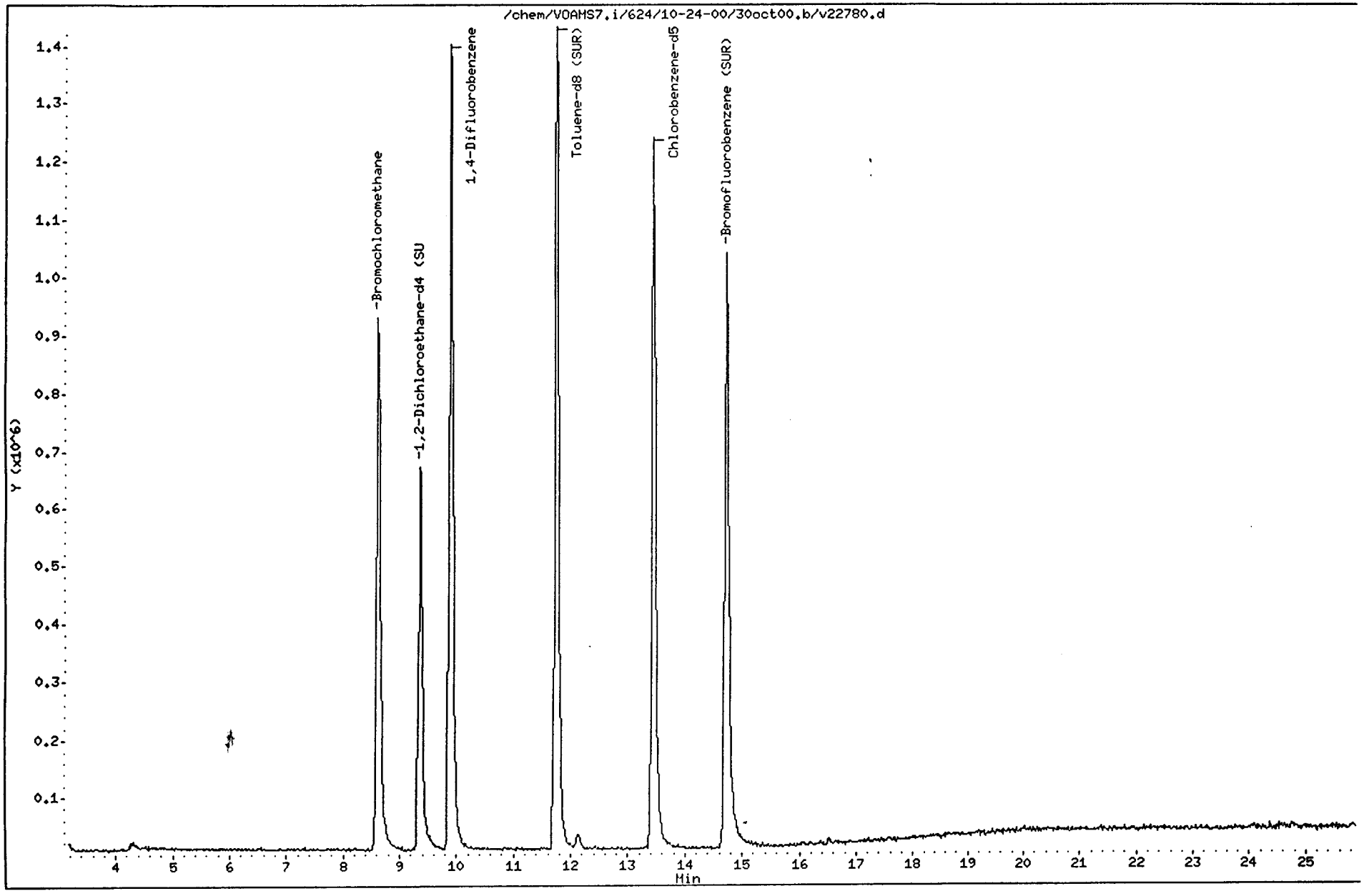
Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 2 Bromochloromethane	128	8.615	8.615	(1.000)	618003	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	9.356	9.356	(0.947)	154443	28.3926	28
* 19 1,4-Difluorobenzene	114	9.875	9.890	(1.000)	2550600	30.0000	
$ 37 Toluene-d8 (SUR)	98	11.729	11.743	(0.873)	2193030	32.1334	32
* 32 Chlorobenzene-d5	117	13.434	13.434	(1.000)	1721419	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	14.709	14.709	(1.095)	794247	27.4423	27

Data File: /chem/VOAMS7.i/624/10-24-00/30oct00.b/v22780.d
Date : 30-OCT-2000 16:07
Client ID:
Sample Info: VV304A
Purge Volume: 5.0
Column phase: DB624

Instrument: VOAMS7.i
Operator: VOAMS 6
Column diameter: 0.53



VOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 8260B

Instrument ID: VOAMS1 Calibration Date(s): 10/20/00 10/20/00

Heated Purge: (Y/N) Y Calibration Time(s): 1236 1854

LAB FILE ID: RRF5: A10337 RRF20: A10335 RRF50: A10339
RRF100: A10342 RRF200: A10343

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Chloromethane	0.106	0.094	0.120	0.078	0.091
Bromomethane	0.250	0.192	0.256	0.146	0.222
Vinyl Chloride	0.154	0.123	0.174	0.103	0.133
Chloroethane	0.132	0.104	0.141	0.071	0.104
Methylene Chloride	0.486	0.326	0.303	0.284	0.300
Acetone	0.064	0.048	0.046	0.040	0.040
Carbon Disulfide	0.775	0.830	0.786	0.696	0.814
Trichlorofluoromethane	0.667	0.692	0.741	0.507	0.729
1,1-Dichloroethene	0.363	0.297	0.272	0.232	0.273
1,1-Dichloroethane	0.569	0.544	0.526	0.522	0.532
trans-1,2-Dichloroethene	0.385	0.354	0.339	0.332	0.343
cis-1,2-Dichloroethene	0.400	0.388	0.359	0.384	0.369
Chloroform	0.744	0.742	0.698	0.738	0.706
1,2-Dichloroethane	0.387	0.350	0.328	0.370	0.324
2-Butanone	0.023	0.021	0.024	0.026	0.023
1,1,1-Trichloroethane	0.701	0.680	0.633	0.671	0.648
Carbon Tetrachloride	0.719	0.680	0.643	0.673	0.650
Bromodichloromethane	0.730	0.726	0.689	0.755	0.692
1,2-Dichloropropane	0.386	0.328	0.307	0.327	0.297
cis-1,3-Dichloropropene	0.398	0.416	0.404	0.431	0.402
Trichloroethene	0.573	0.489	0.444	0.461	0.436
Dibromochloromethane	0.737	0.812	0.804	0.927	0.814
1,1,2-Trichloroethane	0.337	0.322	0.316	0.355	0.303
Benzene	1.005	0.835	0.758	0.798	0.730
trans-1,3-Dichloropropene	0.579	0.593	0.572	0.648	0.578
2-Chloroethyl Vinyl Ether	0.077	0.101	0.090	0.086	0.090
Bromoform	0.502	0.561	0.578	0.700	0.572
4-Methyl-2-Pentanone	0.161	0.168	0.182	0.209	0.168
2-Hexanone	0.105	0.123	0.135	0.168	0.123
Tetrachloroethene	0.868	0.754	0.690	0.735	0.679
1,1,2,2-Tetrachloroethane	1.099	0.919	0.951	1.139	0.911
Toluene	1.232	1.187	1.106	1.168	1.088
Chlorobenzene	0.988	1.027	0.948	1.015	0.930
Ethylbenzene	0.456	0.466	0.418	0.447	0.410
Styrene	0.864	0.923	0.837	0.899	0.805
Xylene (Total)	0.540	0.565	0.510	0.529	0.487
Ethyl Ether					
Acrolein	0.014	0.013	0.008	0.017	0.018
Freon TF	0.820	0.881	0.800	0.665	0.789

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS1 Calibration Date(s): 10/20/00 10/20/00

Heated Purge: (Y/N) Y Calibration Time(s): 1236 1854

LAB FILE ID: RRF5: A10337 RRF20: A10335 RRF50: A10339
RRF100: A10342 RRF200: A10343

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
Isopropanol					
Acetonitrile	0.010	0.009	0.010	0.009	0.009
TBA	0.020	0.016	0.019	0.020	0.015
Acrylonitrile	0.033	0.032	0.037	0.042	0.041
MTBE	0.611	0.592	0.608	0.639	0.603
Hexane					
DIPE	0.782	0.802	0.788	0.815	0.795
Ethyl Acetate	0.188	0.193	0.207	0.244	0.198
Vinyl Acetate	0.574	0.570	0.578	0.601	0.576
Tetrahydrofuran					
Cyclohexane	0.431	0.438	0.402	0.398	0.393
Isobutanol					
Isopropyl Acetate	0.361	0.359	0.367	0.445	0.348
n-Heptane					
n-Butanol					
Propyl Acetate	0.306	0.290	0.294	0.345	0.267
Butyl Acetate	0.389	0.391	0.402	0.491	0.363
1,2-Dibromoethane	0.611	0.610	0.607	0.698	0.585
1,3-Dichlorobenzene	1.545	1.580	1.386	1.516	1.440
1,4-Dichlorobenzene	1.774	1.780	1.666	1.751	1.596
1,2-Dichlorobenzene	1.428	1.417	1.304	1.384	1.229
Naphthalene	0.887	0.960	0.820	1.000	0.753
Methylnaphthalene (total)					
Dimethylnaphthalene (total)					
Dichlorodifluoromethane	0.224	0.256	0.234	0.213	0.223
1,1-Dichloropropene	0.548	0.519	0.479	0.495	0.465
1,2,4-Trichlorobenzene	0.819	0.855	0.759	0.794	0.691
Hexachlorobutadiene	0.734	0.760	0.667	0.660	0.614
1,4-Dioxane	0.002	0.002	0.002	0.002	0.002
Methyl Acrylate					
1,1,1,2-Tetrachloroethane	0.551	0.593	0.561	0.620	0.560
1,2,3-Trichlorobenzene	0.638	0.645	0.572	0.606	0.493
1,2,3-Trichloropropane	0.745	0.711	0.734	0.860	0.734
1,2,4-Trimethylbenzene	1.993	1.996	1.835	1.925	1.878
1,2-Dibromo-3-chloropropane	0.201	0.181	0.197	0.221	0.167
1,3,5-Trimethylbenzene	2.008	2.003	1.864	1.947	1.976
1,3-Dichloropropane	0.556	0.545	0.530	0.604	0.512
2,2-Dichloropropane	0.565	0.551	0.530	0.547	0.540
2-Chlorotoluene	1.991	2.059	1.896	2.062	2.071

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS1 Calibration Date(s): 10/20/00 10/20/00

Heated Purge: (Y/N) Y Calibration Time(s): 1236 1854

LAB FILE ID: RRF5: A10337 RRF20: A10335 RRF50: A10339
RRF100: A10342 RRF200: A10343

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200
4-Chlorotoluene	2.219	2.212	2.098	2.189	2.148
Bromobenzene	1.058	1.061	1.004	1.122	1.070
Bromochloromethane	0.282	0.268	0.261	0.284	0.265
Dibromomethane	0.374	0.365	0.355	0.391	0.345
Isopropylbenzene	1.526	1.605	1.463	1.517	1.393
n-Butylbenzene	2.071	2.146	1.952	1.974	1.907
n-Propylbenzene	2.863	2.981	2.752	2.880	2.784
p-Isopropyltoluene	2.401	2.423	2.182	2.259	2.231
sec-Butylbenzene	2.880	2.942	2.729	2.804	2.768
tert-Butylbenzene	2.211	2.232	2.074	2.153	2.167
Allyl chloride					
Benzyl chloride	1.018	1.070	1.116	1.292	1.021
Epichlorohydrin					
Isoprene	0.284	0.289	0.280	0.213	0.282
Methyl methacrylate	0.254	0.253	0.255	0.279	0.244
n-Pentane	0.057	0.050	0.052	0.030	0.051
Allyl alcohol					
Cyclohexene					
Ethyl methacrylate					
Methyl acetate	0.139	0.124	0.126	0.132	0.126
Methylcyclohexane	0.492	0.516	0.466	0.460	0.452
Ethanol					
p-Ethyltoluene					
1,4-Diethylbenzene					
1,2,4,5-Tetramethylbenzene					
1,2-Dichloroethane-d4 (SUR)	0.291	0.305	0.293	0.320	0.282
Toluene-d8 (SUR)	0.974	1.009	0.953	0.996	0.914
Bromofluorobenzene (SUR)	1.098	1.108	1.047	1.145	1.111

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS1 Calibration Date(s): 10/20/00 10/20/00

Heated Purge: (Y/N) Y Calibration Time(s): 1236 1854

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Chloromethane	AVRG	0.09800500	16.2**
Bromomethane	AVRG	0.21333612	21.2*
Vinyl Chloride	AVRG	0.13759372	20.1*
Chloroethane	AVRG	0.11025948	25.0*
Methylene Chloride	AVRG	0.33962660	24.5*
Acetone	AVRG	0.04744108	20.6*
Carbon Disulfide	AVRG	0.78030031	6.7*
Trichlorofluoromethane	AVRG	0.66719455	14.1*
1,1-Dichloroethene	AVRG	0.28748095	16.8*
1,1-Dichloroethane	AVRG	0.53877386	3.5**
trans-1,2-Dichloroethene	AVRG	0.35081074	5.9*
cis-1,2-Dichloroethene	AVRG	0.37989344	4.3*
Chloroform	AVRG	0.72551040	3.0*
1,2-Dichloroethane	AVRG	0.35164634	7.6*
2-Butanone	AVRG	0.02331105	8.3*
1,1,1-Trichloroethane	AVRG	0.66652558	4.0*
Carbon Tetrachloride	AVRG	0.67285062	4.4*
Bromodichloromethane	AVRG	0.71864592	3.9*
1,2-Dichloropropane	AVRG	0.32910372	10.5*
cis-1,3-Dichloropropene	AVRG	0.41019779	3.2*
Trichloroethene	AVRG	0.48050747	11.6*
Dibromochloromethane	AVRG	0.81864612	8.3*
1,1,2-Trichloroethane	AVRG	0.32668495	6.1*
Benzene	AVRG	0.82544473	13.1*
trans-1,3-Dichloropropene	AVRG	0.59380425	5.2*
2-Chloroethyl Vinyl Ether	AVRG	0.08877696	9.7*
Bromoform	AVRG	0.58236639	12.4**
4-Methyl-2-Pentanone	AVRG	0.17789379	10.8*
2-Hexanone	AVRG	0.13079679	17.7*
Tetrachloroethene	AVRG	0.74515783	10.1*
1,1,2,2-Tetrachloroethane	AVRG	1.00374078	10.7**
Toluene	AVRG	1.15614648	5.1*
Chlorobenzene	AVRG	0.98153383	4.3**
Ethylbenzene	AVRG	0.43933437	5.5*
Styrene	AVRG	0.86550460	5.4*
Xylene (Total)	AVRG	0.52644868	5.6*
Ethyl Ether	AVRG		
Acrolein	AVRG	0.01392140	27.8*
Freon TF	AVRG	0.79093924	10.0*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS1 Calibration Date(s): 10/20/00 10/20/00

Heated Purge: (Y/N) Y Calibration Time(s): 1236 1854

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Isopropanol	AVRG		
Acetonitrile	AVRG	0.00951493	2.4*
TBA	AVRG	0.01802728	12.7*
Acrylonitrile	AVRG	0.03693618	12.6*
MTBE	AVRG	0.61059437	2.8*
Hexane	AVRG		
DIPE	AVRG	0.79645241	1.6*
Ethyl Acetate	AVRG	0.20612022	10.8*
Vinyl Acetate	AVRG	0.58001583	2.1*
Tetrahydrofuran	AVRG		
Cyclohexane	AVRG	0.41264091	5.0*
Isobutanol	AVRG		
Isopropyl Acetate	AVRG	0.37606116	10.4*
n-Heptane	AVRG		
n-Butanol	AVRG		
Propyl Acetate	AVRG	0.30063930	9.5*
Butyl Acetate	AVRG	0.40735163	12.0*
1,2-Dibromoethane	AVRG	0.62206491	7.0*
1,3-Dichlorobenzene	AVRG	1.49339847	5.3*
1,4-Dichlorobenzene	AVRG	1.71363509	4.7*
1,2-Dichlorobenzene	AVRG	1.35265787	6.2*
Naphthalene	AVRG	0.88413859	11.4*
Methylnaphthalene (total)	AVRG		
Dimethylnaphthalene (total)	AVRG		
Dichlorodifluoromethane	AVRG	0.22995755	7.1*
1,1-Dichloropropene	AVRG	0.50113374	6.5*
1,2,4-Trichlorobenzene	AVRG	0.78360442	7.9*
Hexachlorobutadiene	AVRG	0.68685508	8.6*
1,4-Dioxane	AVRG	0.00207863	12.0*
Methyl Acrylate	AVRG		
1,1,1,2-Tetrachloroethane	AVRG	0.57703544	5.0*
1,2,3-Trichlorobenzene	AVRG	0.59070440	10.5*
1,2,3-Trichloropropane	AVRG	0.75684010	7.8*
1,2,4-Trimethylbenzene	AVRG	1.92521946	3.7*
1,2-Dibromo-3-chloropropane	AVRG	0.19359011	10.7*
1,3,5-Trimethylbenzene	AVRG	1.95961908	3.0*
1,3-Dichloropropane	AVRG	0.54946601	6.3*
2,2-Dichloropropane	AVRG	0.54656568	2.4*
2-Chlorotoluene	AVRG	2.01604963	3.7*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 8260B

Instrument ID: VOAMS1 Calibration Date(s): 10/20/00 10/20/00

Heated Purge: (Y/N) Y Calibration Time(s): 1236 1854

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
4-Chlorotoluene	AVRG	2.17321631	2.3*
Bromobenzene	AVRG	1.06296553	3.9*
Bromochloromethane	AVRG	0.27169399	3.8*
Dibromomethane	AVRG	0.36616314	4.8*
Isopropylbenzene	AVRG	1.50096611	5.2*
n-Butylbenzene	AVRG	2.00999232	4.8*
n-Propylbenzene	AVRG	2.85217797	3.1*
p-Isopropyltoluene	AVRG	2.29911931	4.6*
sec-Butylbenzene	AVRG	2.82477092	3.0*
tert-Butylbenzene	AVRG	2.16745861	2.8*
Allyl chloride	AVRG		
Benzyl chloride	AVRG	1.10352478	10.2*
Epichlorohydrin	AVRG		
Isoprene	AVRG	0.26971302	11.7*
Methyl methacrylate	AVRG	0.25707027	5.2*
n-Pentane	AVRG	0.04824737	21.3*
Allyl alcohol	AVRG		
Cyclohexene	AVRG		
Ethyl methacrylate	AVRG		
Methyl acetate	AVRG	0.12927888	4.8*
Methylcyclohexane	AVRG	0.47729898	5.5*
Ethanol	AVRG		
p-Ethyltoluene	AVRG		
1,4-Diethylbenzene	AVRG		
1,2,4,5-Tetramethylbenzene	AVRG		
1,2-Dichloroethane-d4 (SUR)	AVRG	0.29813487	4.9*
Toluene-d8 (SUR)	AVRG	0.96928192	3.9*
Bromofluorobenzene (SUR)	AVRG	1.10167273	3.2*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK
METHOD 8260B

Instrument ID: VOAMS1 Calibration Date: 10/29/00 Time: 1152

Lab File ID: A10437 Init. Calib. Date(s): 10/20/00 10/20/00

Heated Purge: (Y/N) Y Init. Calib. Times: 1236 1854

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Chloromethane	0.098	0.103	0.01	-5.1	50.0
Bromomethane	0.213	0.203		4.7	50.0
Vinyl Chloride	0.137	0.152		-10.9	20.0
Chloroethane	0.110	0.114		-3.6	50.0
Methylene Chloride	0.340	0.305		10.3	50.0
Acetone	0.048	0.042		12.5	50.0
Carbon Disulfide	0.780	0.750		3.8	50.0
Trichlorofluoromethane	0.667	0.662		0.7	50.0
1,1-Dichloroethene	0.287	0.238		17.1	20.0
1,1-Dichloroethane	0.539	0.497	0.1	7.8	50.0
trans-1,2-Dichloroethene	0.351	0.330		6.0	50.0
cis-1,2-Dichloroethene	0.380	0.350		7.9	50.0
Chloroform	0.726	0.673		7.3	20.0
1,2-Dichloroethane	0.352	0.311		11.6	50.0
2-Butanone	0.023	0.020		13.0	50.0
1,1,1-Trichloroethane	0.667	0.622		6.7	50.0
Carbon Tetrachloride	0.673	0.626		7.0	50.0
Bromodichloromethane	0.718	0.685		4.6	50.0
1,2-Dichloropropane	0.329	0.300		8.8	20.0
cis-1,3-Dichloropropene	0.410	0.382		6.8	50.0
Trichloroethene	0.481	0.437		9.1	50.0
Dibromochloromethane	0.819	0.819		0.0	50.0
1,1,2-Trichloroethane	0.327	0.308		5.8	50.0
Benzene	0.825	0.744		9.8	50.0
trans-1,3-Dichloropropene	0.594	0.598		-0.7	50.0
2-Chloroethyl Vinyl Ether	0.089	0.079		11.2	50.0
Bromoform	0.583	0.559	0.1	4.1	50.0
4-Methyl-2-Pentanone	0.178	0.149		16.3	50.0
2-Hexanone	0.131	0.118		9.9	50.0
Tetrachloroethene	0.745	0.708		5.0	50.0
1,1,2,2-Tetrachloroethane	1.004	0.904	0.3	10.0	50.0
Toluene	1.156	1.144		1.0	20.0
Chlorobenzene	0.982	0.943	0.3	4.0	50.0
Ethylbenzene	0.439	0.422		3.9	20.0
Styrene	0.866	0.825		4.7	50.0
Xylene (Total)	0.526	0.505		4.0	50.0
Ethyl Ether					50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS1 Calibration Date: 10/29/00 Time: 1152

Lab File ID: A10437 Init. Calib. Date(s): 10/20/00 10/20/00

Heated Purge: (Y/N) Y Init. Calib. Times: 1236 1854

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Acrolein	0.014	0.012		14.3	50.0
Freon TF	0.791	0.695		12.1	50.0
Isopropanol					50.0
Acetonitrile	0.009	0.009		0.0	50.0
TBA	0.018	0.015		16.7	50.0
Acrylonitrile	0.037	0.036		2.7	50.0
MTBE	0.611	0.549		10.1	50.0
Hexane					50.0
DIPE	0.796	0.727		8.7	50.0
Ethyl Acetate	0.206	0.174		15.5	50.0
Vinyl Acetate	0.580	0.468		19.3	50.0
Tetrahydrofuran					50.0
Cyclohexane	0.412	0.393		4.6	50.0
Isobutanol					50.0
Isopropyl Acetate	0.376	0.323		14.1	50.0
n-Heptane					50.0
n-Butanol					50.0
Propyl Acetate	0.300	0.249		17.0	50.0
Butyl Acetate	0.407	0.358		12.0	50.0
1,2-Dibromoethane	0.622	0.586		5.8	50.0
1,3-Dichlorobenzene	1.493	1.432		4.1	50.0
1,4-Dichlorobenzene	1.713	1.625		5.1	50.0
1,2-Dichlorobenzene	1.352	1.277		5.5	50.0
Naphthalene	0.884	0.646		26.9	50.0
Methylnaphthalene (total)					50.0
Dimethylnaphthalene (total)					50.0
Dichlorodifluoromethane	0.230	0.228		0.9	50.0
1,1-Dichloropropene	0.501	0.471		6.0	50.0
1,2,4-Trichlorobenzene	0.784	0.689		12.1	50.0
Hexachlorobutadiene	0.687	0.667		2.9	50.0
1,4-Dioxane	0.002	0.002		0.0	50.0
Methyl Acrylate					50.0
1,1,1,2-Tetrachloroethane	0.577	0.571		1.0	50.0
1,2,3-Trichlorobenzene	0.591	0.478		19.1	50.0
1,2,3-Trichloropropane	0.757	0.683		9.8	50.0
1,2,4-Trimethylbenzene	1.925	1.812		5.9	50.0
1,2-Dibromo-3-chloropropane	0.193	0.170		11.9	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS1 Calibration Date: 10/29/00 Time: 1152

Lab File ID: A10437 Init. Calib. Date(s): 10/20/00 10/20/00

Heated Purge: (Y/N) Y Init. Calib. Times: 1236 1854

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,3,5-Trimethylbenzene	1.960	1.867		4.7	50.0
1,3-Dichloropropane	0.549	0.530		3.5	50.0
2,2-Dichloropropane	0.547	0.501		8.4	50.0
2-Chlorotoluene	2.016	1.973		2.1	50.0
4-Chlorotoluene	2.173	2.034		6.4	50.0
Bromobenzene	1.063	1.019		4.1	50.0
Bromochloromethane	0.272	0.246		9.6	50.0
Dibromomethane	0.366	0.334		8.7	50.0
Isopropylbenzene	1.501	1.432		4.6	50.0
n-Butylbenzene	2.010	1.912		4.9	50.0
n-Propylbenzene	2.852	2.775		2.7	50.0
p-Isopropyltoluene	2.299	2.189		4.8	50.0
sec-Butylbenzene	2.825	2.761		2.3	50.0
tert-Butylbenzene	2.167	2.088		3.6	50.0
Allyl chloride					50.0
Benzyl chloride	1.103	0.999		9.4	50.0
Epichlorohydrin					50.0
Isoprene	0.270	0.226		16.3	50.0
Methyl methacrylate	0.257	0.235		8.6	50.0
n-Pentane	0.048	0.043		10.4	50.0
Allyl alcohol					50.0
Cyclohexene					50.0
Ethyl methacrylate					50.0
Methyl acetate	0.129	0.113		12.4	50.0
Methylcyclohexane	0.477	0.457		4.2	50.0
Ethanol					50.0
p-Ethyltoluene		1.812	0.01		50.0
1,4-Diethylbenzene			0.01		50.0
1,2,4,5-Tetramethylbenzene			0.01		50.0
1,2-Dichloroethane-d4 (SUR)	0.298	0.254		14.8	50.0
Toluene-d8 (SUR)	0.969	0.906		6.5	50.0
Bromofluorobenzene (SUR)	1.102	1.070		2.9	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK
METHOD 8260B

Instrument ID: VOAMS1 Calibration Date: 10/30/00 Time: 0811

Lab File ID: A10458 Init. Calib. Date(s): 10/20/00 10/20/00

Heated Purge: (Y/N) Y Init. Calib. Times: 1236 1854

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	0.098	0.093	0.01	5.1	50.0
Bromomethane	0.213	0.179		16.0	50.0
Vinyl Chloride	0.137	0.128		6.6	20.0
Chloroethane	0.110	0.103		6.4	50.0
Methylene Chloride	0.340	0.305		10.3	50.0
Acetone	0.048	0.035		27.1	50.0
Carbon Disulfide	0.780	0.707		9.4	50.0
Trichlorofluoromethane	0.667	0.612		8.2	50.0
1,1-Dichloroethene	0.287	0.238		17.1	20.0
1,1-Dichloroethane	0.539	0.518	0.1	3.9	50.0
trans-1,2-Dichloroethene	0.351	0.331		5.7	50.0
cis-1,2-Dichloroethene	0.380	0.359		5.5	50.0
Chloroform	0.726	0.694		4.4	20.0
1,2-Dichloroethane	0.352	0.327		7.1	50.0
2-Butanone	0.023	0.022		4.3	50.0
1,1,1-Trichloroethane	0.667	0.635		4.8	50.0
Carbon Tetrachloride	0.673	0.640		4.9	50.0
Bromodichloromethane	0.718	0.717		0.1	50.0
1,2-Dichloropropane	0.329	0.313		4.9	20.0
cis-1,3-Dichloropropene	0.410	0.397		3.2	50.0
Trichloroethene	0.481	0.449		6.6	50.0
Dibromochloromethane	0.819	0.870		-6.2	50.0
1,1,2-Trichloroethane	0.327	0.332		-1.5	50.0
Benzene	0.825	0.762		7.6	50.0
trans-1,3-Dichloropropene	0.594	0.627		-5.6	50.0
2-Chloroethyl Vinyl Ether	0.089	0.095		-6.7	50.0
Bromoform	0.583	0.602	0.1	-3.2	50.0
4-Methyl-2-Pentanone	0.178	0.168		5.6	50.0
2-Hexanone	0.131	0.136		-3.8	50.0
Tetrachloroethene	0.745	0.725		2.7	50.0
1,1,2,2-Tetrachloroethane	1.004	0.957	0.3	4.7	50.0
Toluene	1.156	1.168		-1.0	20.0
Chlorobenzene	0.982	0.973	0.3	0.9	50.0
Ethylbenzene	0.439	0.433		1.4	20.0
Styrene	0.866	0.876		-1.2	50.0
Xylene (Total)	0.526	0.525		0.2	50.0
Ethyl Ether		0.016			50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS1 Calibration Date: 10/30/00 Time: 0811

Lab File ID: A10458 Init. Calib. Date(s): 10/20/00 10/20/00

Heated Purge: (Y/N) Y Init. Calib. Times: 1236 1854

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Acrolein	0.014	0.011		21.4	50.0
Freon TF	0.791	0.697		11.9	50.0
Isopropanol					50.0
Acetonitrile	0.009	0.009		0.0	50.0
TBA	0.018	0.017		5.6	50.0
Acrylonitrile	0.037	0.036		2.7	50.0
MTBE	0.611	0.580		5.1	50.0
Hexane					50.0
DIPE	0.796	0.748		6.0	50.0
Ethyl Acetate	0.206	0.191		7.3	50.0
Vinyl Acetate	0.580	0.488		15.9	50.0
Tetrahydrofuran					50.0
Cyclohexane	0.412	0.390		5.3	50.0
Isobutanol					50.0
Isopropyl Acetate	0.376	0.355		5.6	50.0
n-Heptane					50.0
n-Butanol					50.0
Propyl Acetate	0.300	0.274		8.7	50.0
Butyl Acetate	0.407	0.401		1.5	50.0
1,2-Dibromoethane	0.622	0.630		-1.3	50.0
1,3-Dichlorobenzene	1.493	1.494		-0.1	50.0
1,4-Dichlorobenzene	1.713	1.681		1.9	50.0
1,2-Dichlorobenzene	1.352	1.357		-0.4	50.0
Naphthalene	0.884	0.839		5.1	50.0
Methylnaphthalene (total)					50.0
Dimethylnaphthalene (total)					50.0
Dichlorodifluoromethane	0.230	0.213		7.4	50.0
1,1-Dichloropropene	0.501	0.483		3.6	50.0
1,2,4-Trichlorobenzene	0.784	0.781		0.4	50.0
Hexachlorobutadiene	0.687	0.719		-4.6	50.0
1,4-Dioxane	0.002	0.002		0.0	50.0
Methyl Acrylate					50.0
1,1,1,2-Tetrachloroethane	0.577	0.584		-1.2	50.0
1,2,3-Trichlorobenzene	0.591	0.566		4.2	50.0
1,2,3-Trichloropropane	0.757	0.729		3.7	50.0
1,2,4-Trimethylbenzene	1.925	1.897		1.4	50.0
1,2-Dibromo-3-chloropropane	0.193	0.197		-2.1	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS1 Calibration Date: 10/30/00 Time: 0811

Lab File ID: A10458 Init. Calib. Date(s): 10/20/00 10/20/00

Heated Purge: (Y/N) Y Init. Calib. Times: 1236 1854

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,3,5-Trimethylbenzene	1.960	1.933		1.4	50.0
1,3-Dichloropropane	0.549	0.566		-3.1	50.0
2,2-Dichloropropane	0.547	0.515		5.8	50.0
2-Chlorotoluene	2.016	1.951		3.2	50.0
4-Chlorotoluene	2.173	2.209		-1.6	50.0
Bromobenzene	1.063	1.033		2.8	50.0
Bromochloromethane	0.272	0.253		7.0	50.0
Dibromomethane	0.366	0.355		3.0	50.0
Isopropylbenzene	1.501	1.498		0.2	50.0
n-Butylbenzene	2.010	2.041		-1.5	50.0
n-Propylbenzene	2.852	2.855		-0.1	50.0
p-Isopropyltoluene	2.299	2.282		0.7	50.0
sec-Butylbenzene	2.825	2.832		-0.2	50.0
tert-Butylbenzene	2.167	2.122		2.1	50.0
Allyl chloride					50.0
Benzyl chloride	1.103	1.081		2.0	50.0
Epichlorohydrin					50.0
Isoprene	0.270	0.226		16.3	50.0
Methyl methacrylate	0.257	0.248		3.5	50.0
n-Pentane	0.048	0.045		6.2	50.0
Allyl alcohol					50.0
Cyclohexene					50.0
Ethyl methacrylate					50.0
Methyl acetate	0.129	0.122		5.4	50.0
Methylcyclohexane	0.477	0.456		4.4	50.0
Ethanol					50.0
p-Ethyltoluene		1.897	0.01		50.0
1,4-Diethylbenzene		0.098	0.01		50.0
1,2,4,5-Tetramethylbenzene		0.018	0.01		50.0
1,2-Dichloroethane-d4 (SUR)	0.298	0.280		6.0	50.0
Toluene-d8 (SUR)	0.969	0.964		0.5	50.0
Bromofluorobenzene (SUR)	1.102	1.095		0.6	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK
METHOD 8260B

Instrument ID: VOAMS1 Calibration Date: 10/30/00 Time: 1958

Lab File ID: A10477 Init. Calib. Date(s): 10/20/00 10/20/00

Heated Purge: (Y/N) Y Init. Calib. Times: 1236 1854

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	0.098	0.119	0.01	-21.4	50.0
Bromomethane	0.213	0.207		2.8	50.0
Vinyl Chloride	0.137	0.157		-14.6	20.0
Chloroethane	0.110	0.116		-5.4	50.0
Methylene Chloride	0.340	0.335		1.5	50.0
Acetone	0.048	0.052		-8.3	50.0
Carbon Disulfide	0.780	0.800		-2.6	50.0
Trichlorofluoromethane	0.667	0.741		-11.1	50.0
1,1-Dichloroethene	0.287	0.315		-9.8	20.0
1,1-Dichloroethane	0.539	0.533	0.1	1.1	50.0
trans-1,2-Dichloroethene	0.351	0.355		-1.1	50.0
cis-1,2-Dichloroethene	0.380	0.370		2.6	50.0
Chloroform	0.726	0.717		1.2	20.0
1,2-Dichloroethane	0.352	0.352		0.0	50.0
2-Butanone	0.023	0.026		-13.0	50.0
1,1,1-Trichloroethane	0.667	0.636		4.6	50.0
Carbon Tetrachloride	0.673	0.637		5.3	50.0
Bromodichloromethane	0.718	0.738		-2.8	50.0
1,2-Dichloropropane	0.329	0.322		2.1	20.0
cis-1,3-Dichloropropene	0.410	0.422		-2.9	50.0
Trichloroethene	0.481	0.445		7.5	50.0
Dibromochloromethane	0.819	0.914		-11.6	50.0
1,1,2-Trichloroethane	0.327	0.362		-10.7	50.0
Benzene	0.825	0.771		6.5	50.0
trans-1,3-Dichloropropene	0.594	0.620		-4.4	50.0
2-Chloroethyl Vinyl Ether	0.089	0.090		-1.1	50.0
Bromoform	0.583	0.660	0.1	-13.2	50.0
4-Methyl-2-Pentanone	0.178	0.207		-16.3	50.0
2-Hexanone	0.131	0.170		-29.8	50.0
Tetrachloroethene	0.745	0.722		3.1	50.0
1,1,2,2-Tetrachloroethane	1.004	1.099	0.3	-9.5	50.0
Toluene	1.156	1.166		-0.9	20.0
Chlorobenzene	0.982	0.990	0.3	-0.8	50.0
Ethylbenzene	0.439	0.442		-0.7	20.0
Styrene	0.866	0.860		0.7	50.0
Xylene (Total)	0.526	0.516		1.9	50.0
Ethyl Ether					50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS1 Calibration Date: 10/30/00 Time: 1958

Lab File ID: A10477 Init. Calib. Date(s): 10/20/00 10/20/00

Heated Purge: (Y/N) Y Init. Calib. Times: 1236 1958

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Acrolein	0.014	0.014		0.0	50.0
Freon TF	0.791	0.922		-16.6	50.0
Isopropanol					50.0
Acetonitrile	0.009	0.012		-33.3	50.0
TBA	0.018	0.021		-16.7	50.0
Acrylonitrile	0.037	0.045		-21.6	50.0
MTBE	0.611	0.678		-11.0	50.0
Hexane					50.0
DIPE	0.796	0.784		1.5	50.0
Ethyl Acetate	0.206	0.186		9.7	50.0
Vinyl Acetate	0.580	0.477		17.8	50.0
Tetrahydrofuran					50.0
Cyclohexane	0.412	0.400		2.9	50.0
Isobutanol					50.0
Isopropyl Acetate	0.376	0.354		5.8	50.0
n-Heptane					50.0
n-Butanol					50.0
Propyl Acetate	0.300	0.268		10.7	50.0
Butyl Acetate	0.407	0.365		10.3	50.0
1,2-Dibromoethane	0.622	0.692		-11.2	50.0
1,3-Dichlorobenzene	1.493	1.516		-1.5	50.0
1,4-Dichlorobenzene	1.713	1.666		2.7	50.0
1,2-Dichlorobenzene	1.352	1.359		-0.5	50.0
Naphthalene	0.884	0.835		5.5	50.0
Methylnaphthalene (total)					50.0
Dimethylnaphthalene (total)					50.0
Dichlorodifluoromethane	0.230	0.256		-11.3	50.0
1,1-Dichloropropene	0.501	0.484		3.4	50.0
1,2,4-Trichlorobenzene	0.784	0.708		9.7	50.0
Hexachlorobutadiene	0.687	0.649		5.5	50.0
1,4-Dioxane	0.002	0.002		0.0	50.0
Methyl Acrylate					50.0
1,1,1,2-Tetrachloroethane	0.577	0.604		-4.7	50.0
1,2,3-Trichlorobenzene	0.591	0.526		11.0	50.0
1,2,3-Trichloropropane	0.757	0.825		-9.0	50.0
1,2,4-Trimethylbenzene	1.925	1.859		3.4	50.0
1,2-Dibromo-3-chloropropane	0.193	0.226		-17.1	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS1 Calibration Date: 10/30/00 Time: 1958

Lab File ID: A10477 Init. Calib. Date(s): 10/20/00 10/20/00

Heated Purge: (Y/N) Y Init. Calib. Times: 1236 1854

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,3,5-Trimethylbenzene	1.960	1.868		4.7	50.0
1,3-Dichloropropane	0.549	0.613		-11.6	50.0
2,2-Dichloropropane	0.547	0.485		11.3	50.0
2-Chlorotoluene	2.016	2.133		-5.8	50.0
4-Chlorotoluene	2.173	2.158		0.7	50.0
Bromobenzene	1.063	1.054		0.8	50.0
Bromochloromethane	0.272	0.264		2.9	50.0
Dibromomethane	0.366	0.389		-6.3	50.0
Isopropylbenzene	1.501	1.480		1.4	50.0
n-Butylbenzene	2.010	1.937		3.6	50.0
n-Propylbenzene	2.852	2.783		2.4	50.0
p-Isopropyltoluene	2.299	2.214		3.7	50.0
sec-Butylbenzene	2.825	2.792		1.2	50.0
tert-Butylbenzene	2.167	2.126		1.9	50.0
Allyl chloride					50.0
Benzyl chloride	1.103	1.040		5.7	50.0
Epichlorohydrin					50.0
Isoprene	0.270	0.290		-7.4	50.0
Methyl methacrylate	0.257	0.267		-3.9	50.0
n-Pentane	0.048	0.050		-4.2	50.0
Allyl alcohol					50.0
Cyclohexene					50.0
Ethyl methacrylate					50.0
Methyl acetate	0.129	0.134		-3.9	50.0
Methylcyclohexane	0.477	0.474		0.6	50.0
Ethanol					50.0
p-Ethyltoluene			0.01		50.0
1,4-Diethylbenzene			0.01		50.0
1,2,4,5-Tetramethylbenzene			0.01		50.0
1,2-Dichloroethane-d4 (SUR)	0.298	0.295		1.0	50.0
Toluene-d8 (SUR)	0.969	0.980		-1.1	50.0
Bromofluorobenzene (SUR)	1.102	1.124		-2.0	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK
METHOD 8260B

Instrument ID: VOAMS1 Calibration Date: 10/31/00 Time: 0958

Lab File ID: A10500 Init. Calib. Date(s): 10/20/00 10/20/00

Heated Purge: (Y/N) Y Init. Calib. Times: 1236 1854

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	0.098	0.100	0.01	-2.0	50.0
Bromomethane	0.213	0.180		15.5	50.0
Vinyl Chloride	0.137	0.138		-0.7	20.0
Chloroethane	0.110	0.092		16.4	50.0
Methylene Chloride	0.340	0.281		17.4	50.0
Acetone	0.048	0.030		37.5	50.0
Carbon Disulfide	0.780	0.666		14.6	50.0
Trichlorofluoromethane	0.667	0.584		12.4	50.0
1,1-Dichloroethene	0.287	0.262		8.7	20.0
1,1-Dichloroethane	0.539	0.516	0.1	4.3	50.0
trans-1,2-Dichloroethene	0.351	0.317		9.7	50.0
cis-1,2-Dichloroethene	0.380	0.358		5.8	50.0
Chloroform	0.726	0.693		4.5	20.0
1,2-Dichloroethane	0.352	0.301		14.5	50.0
2-Butanone	0.023	0.019		17.4	50.0
1,1,1-Trichloroethane	0.667	0.635		4.8	50.0
Carbon Tetrachloride	0.673	0.655		2.7	50.0
Bromodichloromethane	0.718	0.673		6.3	50.0
1,2-Dichloropropane	0.329	0.298		9.4	20.0
cis-1,3-Dichloropropene	0.410	0.366		10.7	50.0
Trichloroethene	0.481	0.439		8.7	50.0
Dibromochloromethane	0.819	0.776		5.2	50.0
1,1,2-Trichloroethane	0.327	0.294		10.1	50.0
Benzene	0.825	0.755		8.5	50.0
trans-1,3-Dichloropropene	0.594	0.561		5.6	50.0
2-Chloroethyl Vinyl Ether	0.089	0.098		-10.1	50.0
Bromoform	0.583	0.538	0.1	7.7	50.0
4-Methyl-2-Pentanone	0.178	0.138		22.5	50.0
2-Hexanone	0.131	0.106		19.1	50.0
Tetrachloroethene	0.745	0.699		6.2	50.0
1,1,2,2-Tetrachloroethane	1.004	0.832	0.3	17.1	50.0
Toluene	1.156	1.108		4.2	20.0
Chlorobenzene	0.982	0.961	0.3	2.1	50.0
Ethylbenzene	0.439	0.430		2.0	20.0
Styrene	0.866	0.854		1.4	50.0
Xylene (Total)	0.526	0.521		1.0	50.0
Ethyl Ether					50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS1 Calibration Date: 10/31/00 Time: 0958

Lab File ID: A10500 Init. Calib. Date(s): 10/20/00 10/20/00

Heated Purge: (Y/N) Y Init. Calib. Times: 1236 1854

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Acrolein	0.014	0.004		71.4	50.0
Freon TF	0.791	0.741		6.3	50.0
Isopropanol					50.0
Acetonitrile	0.009	0.008		11.1	50.0
TBA	0.018	0.013		27.8	50.0
Acrylonitrile	0.037	0.030		18.9	50.0
MTBE	0.611	0.513		16.0	50.0
Hexane					50.0
DIPE	0.796	0.733		7.9	50.0
Ethyl Acetate	0.206	0.165		19.9	50.0
Vinyl Acetate	0.580	0.454		21.7	50.0
Tetrahydrofuran					50.0
Cyclohexane	0.412	0.387		6.1	50.0
Isobutanol					50.0
Isopropyl Acetate	0.376	0.293		22.1	50.0
n-Heptane					50.0
n-Butanol					50.0
Propyl Acetate	0.300	0.240		20.0	50.0
Butyl Acetate	0.407	0.333		18.2	50.0
1,2-Dibromoethane	0.622	0.559		10.1	50.0
1,3-Dichlorobenzene	1.493	1.406		5.8	50.0
1,4-Dichlorobenzene	1.713	1.705		0.5	50.0
1,2-Dichlorobenzene	1.352	1.298		4.0	50.0
Naphthalene	0.884	0.708		19.9	50.0
Methylnaphthalene (total)					50.0
Dimethylnaphthalene (total)					50.0
Dichlorodifluoromethane	0.230	0.242		-5.2	50.0
1,1-Dichloropropene	0.501	0.480		4.2	50.0
1,2,4-Trichlorobenzene	0.784	0.752		4.1	50.0
Hexachlorobutadiene	0.687	0.730		-6.2	50.0
1,4-Dioxane	0.002	0.002		0.0	50.0
Methyl Acrylate					50.0
1,1,1,2-Tetrachloroethane	0.577	0.566		1.9	50.0
1,2,3-Trichlorobenzene	0.591	0.550		6.9	50.0
1,2,3-Trichloropropane	0.757	0.652		13.9	50.0
1,2,4-Trimethylbenzene	1.925	1.820		5.4	50.0
1,2-Dibromo-3-chloropropane	0.193	0.166		14.0	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS1 Calibration Date: 10/31/00 Time: 0958

Lab File ID: A10500 Init. Calib. Date(s): 10/20/00 10/20/00

Heated Purge: (Y/N) Y Init. Calib. Times: 1236 1854

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,3,5-Trimethylbenzene	1.960	1.858		5.2	50.0
1,3-Dichloropropane	0.549	0.504		8.2	50.0
2,2-Dichloropropane	0.547	0.524		4.2	50.0
2-Chlorotoluene	2.016	1.983		1.6	50.0
4-Chlorotoluene	2.173	2.092		3.7	50.0
Bromobenzene	1.063	0.985		7.3	50.0
Bromochloromethane	0.272	0.243		10.7	50.0
Dibromomethane	0.366	0.325		11.2	50.0
Isopropylbenzene	1.501	1.502		-0.1	50.0
n-Butylbenzene	2.010	1.976		1.7	50.0
n-Propylbenzene	2.852	2.799		1.8	50.0
p-Isopropyltoluene	2.299	2.234		2.8	50.0
sec-Butylbenzene	2.825	2.778		1.7	50.0
tert-Butylbenzene	2.167	2.091		3.5	50.0
Allyl chloride					50.0
Benzyl chloride	1.103	0.925		16.1	50.0
Epichlorohydrin					50.0
Isoprene	0.270	0.226		16.3	50.0
Methyl methacrylate	0.257	0.219		14.8	50.0
n-Pentane	0.048	0.037		22.9	50.0
Allyl alcohol					50.0
Cyclohexene					50.0
Ethyl methacrylate					50.0
Methyl acetate	0.129	0.107		17.0	50.0
Methylcyclohexane	0.477	0.444		6.9	50.0
Ethanol					50.0
p-Ethyltoluene			0.01		50.0
1,4-Diethylbenzene			0.01		50.0
1,2,4,5-Tetramethylbenzene			0.01		50.0
1,2-Dichloroethane-d4 (SUR)	0.298	0.253		15.1	50.0
Toluene-d8 (SUR)	0.969	0.905		6.6	50.0
Bromofluorobenzene (SUR)	1.102	1.061		3.7	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK
METHOD 8260B

Instrument ID: VOAMS1 Calibration Date: 11/01/00 Time: 0828

Lab File ID: A10523 Init. Calib. Date(s): 10/20/00 10/20/00

Heated Purge: (Y/N) Y Init. Calib. Times: 1236 1854

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	0.098	0.137	0.01	-39.8	50.0
Bromomethane	0.213	0.129		39.4	50.0
Vinyl Chloride	0.137	0.125		8.8	20.0
Chloroethane	0.110	0.102		7.3	50.0
Methylene Chloride	0.340	0.272		20.0	50.0
Acetone	0.048	0.039		18.8	50.0
Carbon Disulfide	0.780	0.705		9.6	50.0
Trichlorofluoromethane	0.667	0.710		-6.4	50.0
1,1-Dichloroethene	0.287	0.292		-1.7	20.0
1,1-Dichloroethane	0.539	0.495	0.1	8.2	50.0
trans-1,2-Dichloroethene	0.351	0.311		11.4	50.0
cis-1,2-Dichloroethene	0.380	0.354		6.8	50.0
Chloroform	0.726	0.681		6.2	20.0
1,2-Dichloroethane	0.352	0.312		11.4	50.0
2-Butanone	0.023	0.019		17.4	50.0
1,1,1-Trichloroethane	0.667	0.623		6.6	50.0
Carbon Tetrachloride	0.673	0.628		6.7	50.0
Bromodichloromethane	0.718	0.683		4.9	50.0
1,2-Dichloropropane	0.329	0.300		8.8	20.0
cis-1,3-Dichloropropene	0.410	0.362		11.7	50.0
Trichloroethene	0.481	0.437		9.1	50.0
Dibromochloromethane	0.819	0.819		0.0	50.0
1,1,2-Trichloroethane	0.327	0.312		4.6	50.0
Benzene	0.825	0.738		10.5	50.0
trans-1,3-Dichloropropene	0.594	0.590		0.7	50.0
2-Chloroethyl Vinyl Ether	0.089	0.092		-3.4	50.0
Bromoform	0.583	0.568	0.1	2.6	50.0
4-Methyl-2-Pentanone	0.178	0.144		19.1	50.0
2-Hexanone	0.131	0.113		13.7	50.0
Tetrachloroethene	0.745	0.721		3.2	50.0
1,1,2,2-Tetrachloroethane	1.004	0.904	0.3	10.0	50.0
Toluene	1.156	1.149		0.6	20.0
Chlorobenzene	0.982	0.976	0.3	0.6	50.0
Ethylbenzene	0.439	0.437		0.4	20.0
Styrene	0.866	0.857		1.0	50.0
Xylene (Total)	0.526	0.522		0.8	50.0
Ethyl Ether					50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS1 Calibration Date: 11/01/00 Time: 0828

Lab File ID: A10523 Init. Calib. Date(s): 10/20/00 10/20/00

Heated Purge: (Y/N) Y Init. Calib. Times: 1236 1854

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Acrolein	0.014	0.013		7.1	50.0
Freon TF	0.791	0.859		-8.6	50.0
Isopropanol					50.0
Acetonitrile	0.009	0.008		11.1	50.0
TBA	0.018	0.012		33.3	50.0
Acrylonitrile	0.037	0.031		16.2	50.0
MTBE	0.611	0.519		15.0	50.0
Hexane					50.0
DIPE	0.796	0.716		10.0	50.0
Ethyl Acetate	0.206	0.169		18.0	50.0
Vinyl Acetate	0.580	0.453		21.9	50.0
Tetrahydrofuran					50.0
Cyclohexane	0.412	0.382		7.3	50.0
Isobutanol					50.0
Isopropyl Acetate	0.376	0.315		16.2	50.0
n-Heptane					50.0
n-Butanol					50.0
Propyl Acetate	0.300	0.238		20.7	50.0
Butyl Acetate	0.407	0.365		10.3	50.0
1,2-Dibromoethane	0.622	0.590		5.1	50.0
1,3-Dichlorobenzene	1.493	1.502		-0.6	50.0
1,4-Dichlorobenzene	1.713	1.601		6.5	50.0
1,2-Dichlorobenzene	1.352	1.284		5.0	50.0
Naphthalene	0.884	0.652		26.2	50.0
Methylnaphthalene (total)					50.0
Dimethylnaphthalene (total)					50.0
Dichlorodifluoromethane	0.230	0.211		8.3	50.0
1,1-Dichloropropene	0.501	0.470		6.2	50.0
1,2,4-Trichlorobenzene	0.784	0.675		13.9	50.0
Hexachlorobutadiene	0.687	0.660		3.9	50.0
1,4-Dioxane	0.002	0.002		0.0	50.0
Methyl Acrylate					50.0
1,1,1,2-Tetrachloroethane	0.577	0.580		-0.5	50.0
1,2,3-Trichlorobenzene	0.591	0.472		20.1	50.0
1,2,3-Trichloropropane	0.757	0.703		7.1	50.0
1,2,4-Trimethylbenzene	1.925	1.852		3.8	50.0
1,2-Dibromo-3-chloropropane	0.193	0.166		14.0	50.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 8260B

Instrument ID: VOAMS1 Calibration Date: 11/01/00 Time: 0828

Lab File ID: A10523 Init. Calib. Date(s): 10/20/00 10/20/00

Heated Purge: (Y/N) Y Init. Calib. Times: 1236 1854

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,3,5-Trimethylbenzene	1.960	1.880		4.1	50.0
1,3-Dichloropropane	0.549	0.528		3.8	50.0
2,2-Dichloropropane	0.547	0.506		7.5	50.0
2-Chlorotoluene	2.016	1.986		1.5	50.0
4-Chlorotoluene	2.173	2.155		0.8	50.0
Bromobenzene	1.063	1.016		4.4	50.0
Bromochloromethane	0.272	0.237		12.9	50.0
Dibromomethane	0.366	0.328		10.4	50.0
Isopropylbenzene	1.501	1.508		-0.5	50.0
n-Butylbenzene	2.010	1.962		2.4	50.0
n-Propylbenzene	2.852	2.812		1.4	50.0
p-Isopropyltoluene	2.299	2.215		3.6	50.0
sec-Butylbenzene	2.825	2.816		0.3	50.0
tert-Butylbenzene	2.167	2.103		3.0	50.0
Allyl chloride					50.0
Benzyl chloride	1.103	0.980		11.2	50.0
Epichlorohydrin					50.0
Isoprene	0.270	0.292		-8.1	50.0
Methyl methacrylate	0.257	0.230		10.5	50.0
n-Pentane	0.048	0.046		4.2	50.0
Allyl alcohol					50.0
Cyclohexene					50.0
Ethyl methacrylate					50.0
Methyl acetate	0.129	0.107		17.0	50.0
Methylcyclohexane	0.477	0.450		5.7	50.0
Ethanol					50.0
p-Ethyltoluene			0.01		50.0
1,4-Diethylbenzene			0.01		50.0
1,2,4,5-Tetramethylbenzene			0.01		50.0
1,2-Dichloroethane-d4 (SUR)	0.298	0.258		13.4	50.0
Toluene-d8 (SUR)	0.969	0.934		3.6	50.0
Bromofluorobenzene (SUR)	1.102	1.077		2.3	50.0

VOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 624

Instrument ID: VOAMS7 Calibration Date(s): 10/24/00 10/24/00

Heated Purge: (Y/N) N Calibration Time(s): 1452 1639

LAB FILE ID: RRF5: V22492 RRF10: V22493 RRF20: V22494
RRF50: V22495 RRF200: V22496

COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF200
Chloromethane	0.629	0.663	0.624	0.650	0.685
Bromomethane	0.947	0.976	0.910	0.944	0.900
Vinyl Chloride	0.697	0.756	0.765	0.804	0.827
Chloroethane	0.650	0.609	0.573	0.599	0.560
Methylene Chloride	1.442	1.404	1.345	1.352	1.263
Acetone	0.385	0.317	0.318	0.281	0.249
Carbon Disulfide	2.703	3.026	3.119	3.270	3.289
Trichlorofluoromethane	1.880	2.007	2.077	2.329	2.482
1,1-Dichloroethene	1.292	1.198	1.192	1.200	1.167
1,1-Dichloroethane	2.688	2.817	2.771	2.861	2.704
trans-1,2-Dichloroethene	1.470	1.476	1.464	1.469	1.434
cis-1,2-Dichloroethene	1.567	1.629	1.613	1.641	1.560
Chloroform	3.464	3.560	3.487	3.586	3.388
1,2-Dichloroethane	0.592	0.615	0.588	0.598	0.566
2-Butanone	0.250	0.202	0.137	0.133	0.118
1,1,1-Trichloroethane	2.732	2.825	2.822	2.872	2.699
Carbon Tetrachloride	2.605	2.633	2.659	2.715	2.570
Bromodichloromethane	0.735	0.779	0.802	0.830	0.799
1,2-Dichloropropane	0.380	0.411	0.405	0.407	0.381
cis-1,3-Dichloropropene	0.499	0.543	0.559	0.585	0.574
Trichloroethene	0.433	0.458	0.460	0.464	0.442
Dibromochloromethane	0.673	0.692	0.848	0.906	0.874
1,1,2-Trichloroethane	0.391	0.392	0.446	0.477	0.448
Benzene	0.909	0.958	0.944	0.953	0.920
trans-1,3-Dichloropropene	0.529	0.536	0.695	0.732	0.742
2-Chloroethyl Vinyl Ether	0.212	0.232	0.224	0.239	0.234
Bromoform	0.322	0.360	0.450	0.509	0.522
4-Methyl-2-Pentanone	0.251	0.279	0.262	0.281	0.270
2-Hexanone	0.148	0.149	0.188	0.219	0.222
Tetrachloroethene	0.613	0.638	0.766	0.768	0.711
1,1,2,2-Tetrachloroethane	0.572	0.604	0.679	0.708	0.647
Toluene	1.265	1.286	1.550	1.584	1.507
Chlorobenzene	0.936	0.940	1.115	1.138	1.070
Ethylbenzene	0.391	0.427	0.488	0.518	0.466
Styrene	0.761	0.798	0.972	1.068	1.014
Xylene (Total)	0.551	0.555	0.659	0.680	0.629
Ethyl Ether	1.235	1.031	1.007	1.015	0.947
Acrolein	0.109	0.129	0.115	0.113	0.112
Freon TF	2.674	3.066	3.001	3.015	2.881

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS7 Calibration Date(s): 10/24/00 10/24/00

Heated Purge: (Y/N) N Calibration Time(s): 1452 1639

LAB FILE ID: RRF5: V22492 RRF10: V22493 RRF20: V22494
RRF50: V22495 RRF200: V22496

COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF200
Isopropanol					
Acetonitrile					
TBA	0.088	0.088	0.078	0.080	0.076
Acrylonitrile	0.203	0.212	0.202	0.216	0.222
MTBE	3.946	3.883	3.666	3.726	3.478
Hexane	0.763	0.974	0.944	1.033	0.941
DIPE	5.586	5.608	5.512	5.642	5.295
Ethyl Acetate	1.687	1.685	1.470	1.518	1.415
Vinyl Acetate	4.104	4.357	4.183	4.313	4.306
Tetrahydrofuran					
Cyclohexane	1.835	2.168	2.189	2.132	2.043
Isobutanol					
Isopropyl Acetate	0.698	0.736	0.685	0.718	0.696
n-Heptane					
n-Butanol					
Propyl Acetate	0.491	0.566	0.513	0.516	0.479
Butyl Acetate	0.626	0.653	0.735	0.815	0.793
1,2-Dibromoethane	0.568	0.609	0.714	0.741	0.721
1,3-Dichlorobenzene	0.550	0.674	0.757	0.856	0.822
1,4-Dichlorobenzene	0.851	0.801	1.012	1.053	1.007
1,2-Dichlorobenzene	0.673	0.702	0.762	0.817	0.743
Naphthalene	0.110	0.142	0.137	0.138	0.042
Methylnaphthalene (total)					
Dimethylnaphthalene (total)					
Dichlorodifluoromethane	0.976	1.116	1.020	1.260	1.529
1,4-Dioxane	0.002	0.002	0.002	0.002	0.002
n-Pentane	0.403	0.350	0.316	0.296	0.284
5-Methyl-2-Hexanone					
Isopropylbenzene	1.565	1.632	1.953	2.021	1.860
1,2,4-Trimethylbenzene	1.128	1.206	1.452	1.488	1.415
Cyclohexanone					
1,2,4-Trichlorobenzene	0.202	0.236	0.272	0.268	0.089
Methyl Methacrylate	0.083	0.095	0.091	0.098	0.093
Allyl Alcohol					
Epichlorohydrin	0.027	0.030	0.027	0.029	0.028
Allyl Chloride					
Benzyl Chloride	0.467	0.524	0.601	0.702	0.644
Isoprene	4.358	4.661	4.632	4.554	4.316
1,1,1,2-Tetrachloroethane					

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS7 Calibration Date(s): 10/24/00 10/24/00

Heated Purge: (Y/N) N Calibration Time(s): 1452 1639

LAB FILE ID: RRF5: V22492 RRF10: V22493 RRF20: V22494
RRF50: V22495 RRF200: V22496

COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF200
Camphene (total)					
Camphor					
1,3,5-Trimethylbenzene	1.202	1.271	1.532	1.562	1.438
1,2,3-Trichlorobenzene					
n-Butylbenzene					
sec-Butylbenzene					
tert-Butylbenzene					
p-Isopropyltoluene					
n-Propylbenzene					
m+p-Ethyltoluene					
o-Ethyltoluene					
Methyl Acetate	0.940	1.102	0.972	1.077	1.004
Methyl cyclohexane	0.474	0.571	0.590	0.583	0.564
1,2-Dibromo-3-chloropropane	0.081	0.082	0.086	0.090	0.043
Cyclohexene					
1,2-Dichlorotrifluoroethane	3.689	3.889	4.019	4.554	4.316
n-Propanol					
3-Methyl-1-Pentyn-3-ol					
Propylene Oxide					
Chlorotrifluoroethane	1.731	1.712	1.689	1.717	1.593
1,2-Dichloroethane-d4 (SUR)	0.066	0.066	0.063	0.062	0.062
Toluene-d8 (SUR)	1.081	1.049	1.259	1.291	1.267
Bromofluorobenzene (SUR)	0.457	0.445	0.534	0.546	0.541

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS7 Calibration Date(s): 10/24/00 10/24/00

Heated Purge: (Y/N) N Calibration Time(s): 1452 1639

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Chloromethane	AVRG	0.65014628	3.8*
Bromomethane	AVRG	0.93504745	3.3*
Vinyl Chloride	AVRG	0.76988034	6.5*
Chloroethane	AVRG	0.59818515	5.8*
Methylene Chloride	AVRG	1.36133759	5.0*
Acetone	AVRG	0.31000817	16.4*
Carbon Disulfide	AVRG	3.08147505	7.7*
Trichlorofluoromethane	AVRG	2.15519034	11.4*
1,1-Dichloroethene	AVRG	1.20977717	4.0*
1,1-Dichloroethane	AVRG	2.76809682	2.6*
trans-1,2-Dichloroethene	AVRG	1.46264947	1.1*
cis-1,2-Dichloroethene	AVRG	1.60201581	2.3*
Chloroform	AVRG	3.49685339	2.3*
1,2-Dichloroethane	AVRG	0.59178266	3.0*
2-Butanone	AVRG	0.16815180	33.4*
1,1,1-Trichloroethane	AVRG	2.79022072	2.6*
Carbon Tetrachloride	AVRG	2.63663148	2.1*
Bromodichloromethane	AVRG	0.78908495	4.4*
1,2-Dichloropropane	AVRG	0.39696614	3.8*
cis-1,3-Dichloropropene	AVRG	0.55188057	6.1*
Trichloroethene	AVRG	0.45124439	2.9*
Dibromochloromethane	AVRG	0.79860122	13.5*
1,1,2-Trichloroethane	AVRG	0.43082915	8.7*
Benzene	AVRG	0.93674699	2.3*
trans-1,3-Dichloropropene	AVRG	0.64695207	16.4*
2-Chloroethyl Vinyl Ether	AVRG	0.22834135	4.6*
Bromoform	AVRG	0.43265042	20.6*
4-Methyl-2-Pentanone	AVRG	0.26861834	4.6*
2-Hexanone	AVRG	0.18547231	19.4*
Tetrachloroethene	AVRG	0.69942974	10.2*
1,1,2,2-Tetrachloroethane	AVRG	0.64182223	8.6*
Toluene	AVRG	1.43857361	10.5*
Chlorobenzene	AVRG	1.03954570	9.2*
Ethylbenzene	AVRG	0.45826581	10.9*
Styrene	AVRG	0.92261514	14.7*
Xylene (Total)	AVRG	0.61487618	9.6*
Ethyl Ether	AVRG	1.04696817	10.5*
Acrolein	AVRG	0.11556250	6.8*
Freon TF	AVRG	2.92756503	5.4*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS7 Calibration Date(s): 10/24/00 10/24/00

Heated Purge: (Y/N) N Calibration Time(s): 1452 1639

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Isopropanol	AVRG		
Acetonitrile	AVRG		
TBA	AVRG	0.08193586	6.9*
Acrylonitrile	AVRG	0.21121003	4.1*
MTBE	AVRG	3.73979690	5.0*
Hexane	AVRG	0.93098136	10.8*
DIPE	AVRG	5.52867089	2.5*
Ethyl Acetate	AVRG	1.55522532	8.0*
Vinyl Acetate	AVRG	4.25264584	2.5*
Tetrahydrofuran	AVRG		
Cyclohexane	AVRG	2.07361208	7.0*
Isobutanol	AVRG		
Isopropyl Acetate	AVRG	0.70664389	2.9*
n-Heptane	AVRG		
n-Butanol	AVRG		
Propyl Acetate	AVRG	0.51292616	6.4*
Butyl Acetate	AVRG	0.72457904	11.5*
1,2-Dibromoethane	AVRG	0.67075590	11.4*
1,3-Dichlorobenzene	AVRG	0.73178323	16.8*
1,4-Dichlorobenzene	AVRG	0.94491696	11.8*
1,2-Dichlorobenzene	AVRG	0.73944702	7.5*
Naphthalene	AVRG	0.11409070	37.0*
Methylnaphthalene (total)	AVRG		
Dimethylnaphthalene (total)	AVRG		
Dichlorodifluoromethane	AVRG	1.18036362	18.9**
1,4-Dioxane	AVRG	0.00197134	5.4*
n-Pentane	AVRG	0.32987444	14.6**
5-Methyl-2-Hexanone	AVRG		
Isopropylbenzene	AVRG	1.80610881	11.0*
1,2,4-Trimethylbenzene	AVRG	1.33794405	12.0**
Cyclohexanone	AVRG		
1,2,4-Trichlorobenzene	AVRG	0.21331739	35.2**
Methyl Methacrylate	AVRG	0.09194667	6.1*
Allyl Alcohol	AVRG		
Epichlorohydrin	AVRG	0.02812076	4.4**
Allyl Chloride	AVRG		
Benzyl Chloride	AVRG	0.58774489	15.9**
Isoprene	AVRG	4.50414197	3.5**
1,1,1,2-Tetrachloroethane	AVRG		

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS7 Calibration Date(s): 10/24/00 10/24/00

Heated Purge: (Y/N) N Calibration Time(s): 1452 1639

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Camphene (total)	AVRG		
Camphor	AVRG		
1,3,5-Trimethylbenzene	AVRG	1.40099513	11.3**
1,2,3-Trichlorobenzene	AVRG		
n-Butylbenzene	AVRG		
sec-Butylbenzene	AVRG		
tert-Butylbenzene	AVRG		
p-Isopropyltoluene	AVRG		
n-Propylbenzene	AVRG		
m+p-Ethyltoluene	AVRG		
o-Ethyltoluene	AVRG		
Methyl Acetate	AVRG	1.01918735	6.7*
Methyl cyclohexane	AVRG	0.55632423	8.5*
1,2-Dibromo-3-chloropropane	AVRG	0.07642630	24.9**
Cyclohexene	AVRG		
1,2-Dichlorotrifluoroethane	AVRG	4.09339445	8.4*
n-Propanol	AVRG		
3-Methyl-1-Pentyn-3-ol	AVRG		
Propylene Oxide	AVRG		
Chlorotrifluoroethane	AVRG	1.68834611	3.3*
1,2-Dichloroethane-d4 (SUR)	AVRG	0.06397958	3.0*
Toluene-d8 (SUR)	AVRG	1.18938343	9.6*
Bromofluorobenzene (SUR)	AVRG	0.50439358	9.8*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK
METHOD 624

Instrument ID: VOAMS7 Calibration Date: 10/30/00 Time: 1045

Lab File ID: V22770 Init. Calib. Date(s): 10/24/00 10/24/00

Heated Purge: (Y/N) N Init. Calib. Times: 1452 1639

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Chloromethane	0.650	0.505		22.3	104
Bromomethane	0.935	0.791		15.4	86.0
Vinyl Chloride	0.770	0.621		19.4	96.0
Chloroethane	0.598	0.547		8.5	62.0
Methylene Chloride	1.361	0.922		32.2	39.5
Acetone	0.310	0.203		34.5	
Carbon Disulfide	3.081	2.042		33.7	
Trichlorofluoromethane	2.155	1.912		11.3	52.0
1,1-Dichloroethene	1.210	0.732		39.5	49.5
1,1-Dichloroethane	2.768	2.045		26.1	27.5
trans-1,2-Dichloroethene	1.463	1.053		28.0	30.5
cis-1,2-Dichloroethene	1.602	1.199		25.2	
Chloroform	3.497	2.776		20.6	32.5
1,2-Dichloroethane	0.592	0.472		20.3	32.0
2-Butanone	0.168	0.115		31.5	
1,1,1-Trichloroethane	2.790	2.232		20.0	25.0
Carbon Tetrachloride	2.636	2.161		18.0	27.0
Bromodichloromethane	0.789	0.634		19.6	34.5
1,2-Dichloropropane	0.397	0.301		24.2	66.0
cis-1,3-Dichloropropene	0.552	0.438		20.6	76.0
Trichloroethene	0.451	0.348		22.8	33.5
Dibromochloromethane	0.799	0.673		15.8	32.5
1,1,2-Trichloroethane	0.431	0.351		18.6	29.0
Benzene	0.937	0.692		26.1	36.0
trans-1,3-Dichloropropene	0.647	0.538		16.8	50.0
2-Chloroethyl Vinyl Ether	0.228	0.176		22.8	124
Bromoform	0.433	0.370		14.5	29.0
4-Methyl-2-Pentanone	0.269	0.195		27.5	
2-Hexanone	0.185	0.138		25.4	
Tetrachloroethene	0.699	0.611		12.6	26.5
1,1,2,2-Tetrachloroethane	0.642	0.502		21.8	39.5
Toluene	1.438	1.184		17.7	25.5
Chlorobenzene	1.040	0.865		16.8	34.0
Ethylbenzene	0.458	0.384		16.2	41.0
Styrene	0.923	0.730		20.9	
Xylene (Total)	0.615	0.507		17.6	
Ethyl Ether	1.047	0.740		29.3	

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 624

Instrument ID: VOAMS7 Calibration Date: 10/30/00 Time: 1045

Lab File ID: V22770 Init. Calib. Date(s): 10/24/00 10/24/00

Heated Purge: (Y/N) N Init. Calib. Times: 1452 1639

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Acrolein	0.116	0.084		27.6	
Freon TF	2.927	2.245		23.3	
Isopropanol					
Acetonitrile					
TBA	0.082	0.064		22.0	
Acrylonitrile	0.211	0.148		29.8	
MTBE	3.740	2.801		25.1	
Hexane	0.931	0.670		28.0	
DIPE	5.529	4.147		25.0	
Ethyl Acetate	1.555	1.125		27.6	
Vinyl Acetate	4.253	3.217		24.4	
Tetrahydrofuran					
Cyclohexane	2.073	1.556		24.9	
Isobutanol					
Isopropyl Acetate	0.707	0.522		26.2	
n-Heptane					
n-Butanol					
Propyl Acetate	0.513	0.389		24.2	
Butyl Acetate	0.724	0.555		23.3	
1,2-Dibromoethane	0.671	0.525		21.8	
1,3-Dichlorobenzene	0.732	0.551		24.7	27.0
1,4-Dichlorobenzene	0.945	0.765		19.0	37.0
1,2-Dichlorobenzene	0.739	0.575		22.2	37.0
Naphthalene	0.114	0.110		3.5	
Methylnaphthalene (total)					
Dimethylnaphthalene (total)					
Dichlorodifluoromethane	1.180	1.220	0.01	-3.4	40.0
1,4-Dioxane	0.002	0.001		50.0	
n-Pentane	0.330	0.209	0.01	36.7	
5-Methyl-2-Hexanone			0.01		50.0
Isopropylbenzene	1.806	1.474		18.4	
1,2,4-Trimethylbenzene	1.338	1.053	0.01	21.3	50.0
Cyclohexanone			0.0001		50.0
1,2,4-Trichlorobenzene	0.213	0.165	0.01	22.5	50.0
Methyl Methacrylate	0.092	0.070		23.9	
Allyl Alcohol					40.0
Epichlorohydrin	0.028	0.020	0.01	28.6	40.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 624

Instrument ID: VOAMS7 Calibration Date: 10/30/00 Time: 1045

Lab File ID: V22770 Init. Calib. Date(s): 10/24/00 10/24/00

Heated Purge: (Y/N) N Init. Calib. Times: 1452 1639

COMPOUND	RRF	RRF20	MIN RRF	%D	MAX %D
Allyl Chloride			0.01		40.0
Benzyl Chloride	0.588	0.458	0.01	22.1	40.0
Isoprene	4.504	3.269	0.01	27.4	40.0
1,1,1,2-Tetrachloroethane			0.01		50.0
Camphene (total)					
Camphor					
1,3,5-Trimethylbenzene	1.401	1.124	0.01	19.8	50.0
1,2,3-Trichlorobenzene					50.0
n-Butylbenzene					50.0
sec-Butylbenzene					50.0
tert-Butylbenzene					50.0
p-Isopropyltoluene					50.0
n-Propylbenzene					50.0
m+p-Ethyltoluene					50.0
o-Ethyltoluene					50.0
Methyl Acetate	1.019	0.788		22.7	
Methyl cyclohexane	0.556	0.421		24.3	
1,2-Dibromo-3-chloropropane	0.076	0.070	0.01	7.9	
Cyclohexene					
1,2-Dichlorotrifluoroethane	4.093	3.269		20.1	
n-Propanol					
3-Methyl-1-Pentyn-3-ol					
Propylene Oxide					
Chlorotrifluoroethane	1.688	1.204		28.7	
1,2-Dichloroethane-d4 (SUR)	0.064	0.062		3.1	
Toluene-d8 (SUR)	1.189	1.272		-7.0	
Bromofluorobenzene (SUR)	0.505	0.532		-5.3	

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY \(cont\'d\)
METHOD 8260B

Matrix: SOIL Level: LOW Lab Job No: F104

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	OTHER	TOT OUT
01	AV306	75	99	98		0
02	237815MS	96	104	127		0
03	237815MSD	100	103	127		0
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
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		QC LIMITS
S1	= 1,2-Dichloroethane-d4	(72-141)
S2	= Toluene-d8	(77-137)
S3	= Bromofluorobenzene	(69-168)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
METHOD 8260B

Matrix: SOIL Level: LOW Lab Job No: F104

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	OTHER	TOT OUT
01	AV303	82	94	98		0
02	237812	106	165*	168*		2
03	237812R1	147*	186*	291*		3
04	237813	95	107	136		0
05	237814	97	119	140		0
06	AV304	91	99	101		0
07	237815	99	104	124		0
08	237816	106	123	155		0
09	237817	130	126	154		0
10	237819	130	161*	169*		2
11	237820	101	106	115		0
12	237839	108	114	141		0
13	237814R1	104	131	150		0
14	AV304A	84	101	102		0
15	237816R1	99	119	148		0
16	237817R1	118	124	146		0
17	237818	96	106	124		0
18	237819R1	121	140*	157		1
19	237839R1	99	110	133		0
20	AV305	88	92	98		0
21	237825R1	148*	137	186*		2
22	237826	117	120	113		0
23	237827	144*	138*	135		2
24	237828	152*	137*	175*		3
25	237829	138	130	151		0
26	237825	100	103	140		0
27	237826R1	118	106	113		0
28	237827R1	105	104	117		0
29	237828R1	134	134	182*		1
30	237829R1	118	125	164		0

		QC LIMITS
S1	= 1,2-Dichloroethane-d4	(72-141)
S2	= Toluene-d8	(77-137)
S3	= Bromofluorobenzene	(69-168)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
METHOD 624

Matrix: WATER Level: LOW Lab Job No: F104

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	OTHER	TOT OUT
01	VV304A	95	107	91		0
02	237821	94	109	91		0
03	237822	92	109	89		0
04	237823	93	111	87		0
05	237824	94	110	84		0
06	237830	96	109	87		0
07	237831	96	110	89		0
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		QC LIMITS
S1	= 1,2-Dichloroethane-d4	(83-117)
S2	= Toluene-d8	(78-120)
S3	= Bromofluorobenzene	(70-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8260B

Matrix: SOIL

Level: LOW

Matrix Spike - Lab Sample No.: 237815

MS Sample from Lab Job No: F104

QA Batch: 1914

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.00	44	88	85-118
Trichloroethene	50	0.00	42	84	53-138
Benzene	50	0.00	45	90	78-117
Toluene	50	0.62	52	103	62-133
Chlorobenzene	50	0.00	48	96	88-116

Compound	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	44	88	0	40	85-118
Trichloroethene	50	43	86	2	40	53-138
Benzene	50	46	92	2	40	78-117
Toluene	50	52	103	0	40	62-133
Chlorobenzene	50	48	96	0	40	88-116

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8260B

Matrix: SOIL

Level: LOW

Matrix Spike - Lab Sample No.: 237903

MS Sample from Lab Job No: F119

QA Batch: 1918

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	52	0.00	59	113	85-118
Trichloroethene	52	0.00	41	79	53-138
Benzene	52	30	88	112	78-117
Toluene	52	13	90	148*	62-133
Chlorobenzene	52	0.00	54	104	88-116

Compound	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	51	60	118	4	40	85-118
Trichloroethene	51	41	80	2	40	53-138
Benzene	51	76	90	21	40	78-117
Toluene	51	79	129	13	40	62-133
Chlorobenzene	51	54	106	2	40	88-116

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
RPD: 0 out of 5 outside limits
Spike Recovery: 1 out of 10 outside limits

COMMENTS: _MS & MSD failed for internal standard recoveries._

VOLATILE SPIKE RECOVERY SUMMARY
METHOD 624

Matrix: WATER

Level: LOW

Matrix Spike - Lab Sample No.: 235988

MS Sample from Lab Job No: E795

QA Batch: 3567

Compound	MS % REC.	BS % REC.	LIMITS
Chloromethane	110	115	0-273
Bromomethane	110	115	0-242
Vinyl Chloride	110	115	0-251
Chloroethane	120	125	14-230
Methylene Chloride	110	110	0-221
Trichlorofluoromethane	99	105	17-181
1,1-Dichloroethene	110	115	0-234
1,1-Dichloroethane	110	120	59-155
trans-1,2-Dichloroethene	110	110	54-156
Chloroform	110	115	51-138
1,2-Dichloroethane	110	115	49-155
1,1,1-Trichloroethane	110	115	52-162
Carbon Tetrachloride	120	115	70-140
Bromodichloromethane	110	120	35-155
1,2-Dichloropropane	110	110	0-210
cis-1,3-Dichloropropene	100	110	0-227
Trichloroethene	110	130	71-157
Dibromochloromethane	100	120	53-149
1,1,2-Trichloroethane	120	130	52-150
Benzene	108	110	37-151
trans-1,3-Dichloropropene	110	120	17-183
2-Chloroethyl Vinyl Ether	0	90	0-305
Bromoform	97	120	45-169
Tetrachloroethene	120	130	64-148
1,1,2,2-Tetrachloroethane	110	110	46-157
Toluene	118	125	47-150
Chlorobenzene	120	125	37-160
Ethylbenzene	121	130	37-162
1,3-Dichlorobenzene	110	110	59-156
1,4-Dichlorobenzene	110	125	18-190

* Values outside of QC limits

VOLATILE SPIKE RECOVERY SUMMARY
METHOD 624

Matrix: WATER

Level: LOW

Matrix Spike - Lab Sample No.: 235988

MS Sample from Lab Job No: E795

QA Batch: 3567

Compound	MS % REC.	BS % REC.	LIMITS
1,2-Dichlorobenzene	110	120	18-190

* Values outside of QC limits

Spike Recovery: 0 out of 62 outside limits

COMMENTS: _____

VOLATILE SPIKE RECOVERY SUMMARY
METHOD 624

Matrix: WATER

Level: LOW

Matrix Spike - Lab Sample No.: 236890

MS Sample from Lab Job No: E956

QA Batch: 3599

Compound	MS % REC.	BS % REC.	LIMITS
Chloromethane	5	110	0-273
Bromomethane	60	115	0-242
Vinyl Chloride	36	110	0-251
Chloroethane	72	130	14-230
Methylene Chloride	110	100	0-221
Trichlorofluoromethane	67	125	17-181
1,1-Dichloroethene	110	105	0-234
1,1-Dichloroethane	120	110	59-155
trans-1,2-Dichloroethene	110	105	54-156
Chloroform	120	110	51-138
1,2-Dichloroethane	130	105	49-155
1,1,1-Trichloroethane	120	110	52-162
Carbon Tetrachloride	130	115	70-140
Bromodichloromethane	110	110	35-155
1,2-Dichloropropane	110	100	0-210
cis-1,3-Dichloropropene	110	100	0-227
Trichloroethene	120	105	71-157
Dibromochloromethane	96	120	53-149
1,1,2-Trichloroethane	110	110	52-150
Benzene	110	100	37-151
trans-1,3-Dichloropropene	120	120	17-183
2-Chloroethyl Vinyl Ether	0	95	0-305
Bromoform	77	120	45-169
Tetrachloroethene	120	120	64-148
1,1,2,2-Tetrachloroethane	100	105	46-157
Toluene	113	115	47-150
Chlorobenzene	116	110	37-160
Ethylbenzene	123	110	37-162
1,3-Dichlorobenzene	110	105	59-156
1,4-Dichlorobenzene	110	105	18-190

* Values outside of QC limits

VOLATILE SPIKE RECOVERY SUMMARY
METHOD 624

Matrix: WATER

Level: LOW

Matrix Spike - Lab Sample No.: 236890

MS Sample from Lab Job No: E956

QA Batch: 3599

Compound	MS % REC.	BS % REC.	LIMITS
1,2-Dichlorobenzene	110	105	18-190

* Values outside of QC limits

Spike Recovery: 0 out of 62 outside limits

COMMENTS: _____

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): A10437 Date Analyzed: 10/29/00

Instrument ID: VOAMS1 Time Analyzed: 1152

		IS1 AREA	#	RT	#	IS2 (CBZ) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	5122674		10.08		4025781		13.72		2279615		16.25	
	UPPER LIMIT	10245348		10.58		8051562		14.22		4559230		16.75	
	LOWER LIMIT	2561337		9.58		2012890		13.22		1139808		15.75	
	LABORATORY SAMPLE NO.												
01	AV303	5117896		10.12		4039214		13.74		2265961		16.26	
02	237812	3089555		10.10		1031542	*	13.74		185281	*	16.26	
03	237812R1	432109	*	10.13		168579	*	13.76		35265	*	16.32	
04	237813	4985574		10.11		3329240		13.75		1220492		16.27	
05	237814	3273868		10.11		2060502		13.75		710975	*	16.26	
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IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): A10458 Date Analyzed: 10/30/00

Instrument ID: VOAMS1 Time Analyzed: 0811

		IS1 AREA	#	RT	#	IS2(CBZ) AREA	#	RT	#	IS3(DCB) AREA	#	RT	#
	12 HOUR STD	4623819		10.13		3633592		13.76		2149170		16.29	
	UPPER LIMIT	9247638		10.63		7267184		14.26		4298340		16.79	
	LOWER LIMIT	2311910		9.63		1816796		13.26		1074585		15.79	
	LABORATORY SAMPLE NO.												
01	AV304	4248701		10.15		3389637		13.78		1881644		16.29	
02	237815	4805534		10.12		3285133		13.75		1381304		16.28	
03	237816	4149057		10.13		2373765		13.77		654914	*	16.29	
04	237817	2263971	*	10.13		1078997	*	13.76		299937	*	16.29	
05	237819	2873549		10.16		1289291	*	13.78		262026	*	16.32	
06	237820	5423306		10.13		3767623		13.76		1812308		16.29	
07	237839	3767892		10.13		2123804		13.75		734051	*	16.27	
08	237814R1	3300131		10.13		1665089	*	13.75		498030	*	16.28	
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IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): A10477 Date Analyzed: 10/30/00

Instrument ID: VOAMS1 Time Analyzed: 1958

		IS1 AREA	#	RT	#	IS2(CBZ) AREA	#	RT	#	IS3(DCB) AREA	#	RT	#
	12 HOUR STD	4070652		10.13		3299727		13.75		1945302		16.29	
	UPPER LIMIT	8141304		10.63		6599454		14.25		3890604		16.79	
	LOWER LIMIT	2035326		9.63		1649864		13.25		972651		15.79	
	LABORATORY SAMPLE NO.												
01	AV304A	4785855		10.16		3910769		13.78		2269013		16.29	
02	237816R1	3781592		10.16		2211231		13.78		662352	*	16.30	
03	237817R1	2555435		10.13		1238375	*	13.76		356491	*	16.29	
04	237818	4072571		10.13		2692595		13.76		1031358		16.29	
05	237819R1	3123857		10.15		1581274	*	13.78		388402	*	16.31	
06	237839R1	4090076		10.13		2461977		13.77		859644	*	16.29	
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IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): A10500 Date Analyzed: 10/31/00

Instrument ID: VOAMS1 Time Analyzed: 0958

		IS1 AREA	#	RT	#	IS2 (CBZ) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	4469688		10.11		3621239		13.75		2179726		16.27	
	UPPER LIMIT	8939376		10.61		7242478		14.25		4359452		16.77	
	LOWER LIMIT	2234844		9.61		1810620		13.25		1089863		15.77	
	LABORATORY SAMPLE NO.												
01	AV305	4007833		10.13		3341356		13.77		1951590		16.31	
02	237825R1	1622330*		10.13		605602*		13.76		134557*		16.27	
03	237826	1222155*		10.13		553663*		13.76		283836*		16.28	
04	237827	1690524*		10.13		533955*		13.77		164734*		16.29	
05	237828	1028534*		10.13		331212*		13.76		73552*		16.29	
06	237829	1361771*		10.13		510009*		13.77		129244*		16.28	
07	237825	4076808		10.13		2636727		13.75		885183*		16.28	
08	237826R1	461213*		10.14		287901*		13.76		124817*		16.29	
09	237827R1	2827710		10.16		1796197*		13.78		756557*		16.31	
10	237828R1	1537724*		10.14		592130*		13.76		116210*		16.29	
11	237829R1	2089661*		10.13		882879*		13.77		200298*		16.28	
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IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): A10523 Date Analyzed: 11/01/00

Instrument ID: VOAMS1 Time Analyzed: 0828

		IS1 AREA	#	RT	#	IS2(CBZ) AREA	#	RT	#	IS3(DCB) AREA	#	RT	#
	12 HOUR STD	4944139		10.11		3767459		13.75		2239884		16.29	
	UPPER LIMIT	9888278		10.61		7534918		14.25		4479768		16.79	
	LOWER LIMIT	2472070		9.61		1883730		13.25		1119942		15.79	
	LABORATORY SAMPLE NO.												
01	AV306	5303267		10.11		4165146		13.74		2394184		16.27	
02	237815MS	4980703		10.10		3379472		13.73		1326861		16.26	
03	237815MSD	4946853		10.14		3370041		13.76		1370178		16.29	
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IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): V22770 Date Analyzed: 10/30/00

Instrument ID: VOAMS7 Time Analyzed: 1045

		IS1(BCM) AREA	#	RT	#	IS2(DFB) AREA	#	RT	#	IS3(CBZ) AREA	#	RT	#
	12 HOUR STD	736314		8.61		3025790		9.89		2018888		13.43	
	UPPER LIMIT	1472628		9.11		6051580		10.39		4037776		13.93	
	LOWER LIMIT	368157		8.11		1512895		9.39		1009444		12.93	
	LABORATORY SAMPLE NO.												
01	VV304A	618003		8.61		2550600		9.88		1721419		13.43	
02	237821	487281		8.64		1961341		9.90		1299676		13.45	
03	237822	517387		8.63		2079420		9.90		1368383		13.45	
04	237823	481515		8.64		1946062		9.90		1265626		13.45	
05	237824	478894		8.64		1932157		9.92		1272985		13.45	
06	237830	485895		8.63		1958842		9.91		1280796		13.45	
07	237831	486754		8.65		1970343		9.91		1297729		13.45	
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SEVERN TRENT SERVICES

STL Edison

Job No. F104 - Envision Environmental, Inc. - Rexam DSI

VOLUME 2

GC/MS Forms and Data (Semivolatiles)

Client ID: **EB-1_6-12**
Site: Rexam DSI

Lab Sample No: **237812**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3255.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 15

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	390
bis(2-Chloroethyl)ether	ND	39
1,3-Dichlorobenzene	ND	390
1,4-Dichlorobenzene	ND	390
1,2-Dichlorobenzene	ND	390
bis(2-chloroisopropyl)ether	ND	390
N-Nitroso-di-n-propylamine	ND	39
Hexachloroethane	ND	39
Nitrobenzene	ND	39
Isophorone	ND	390
bis(2-Chloroethoxy)methane	ND	390
1,2,4-Trichlorobenzene	ND	39
Naphthalene	ND	390
Hexachlorobutadiene	ND	78
Hexachlorocyclopentadiene	ND	390
2-Chloronaphthalene	ND	390
Dimethylphthalate	ND	390
Acenaphthylene	ND	390
2,6-Dinitrotoluene	ND	78
Acenaphthene	ND	390
2,4-Dinitrotoluene	ND	78
Diethylphthalate	ND	390
4-Chlorophenyl-phenylether	ND	390
Fluorene	ND	390
N-Nitrosodiphenylamine	ND	390
4-Bromophenyl-phenylether	ND	390
Hexachlorobenzene	ND	39
Phenanthrene	63 J	390
Anthracene	ND	390
Di-n-butylphthalate	ND	390
Fluoranthene	42 J	390
Pyrene	43 J	390
Benzidine	ND	1600
Butylbenzylphthalate	ND	390

Client ID: **EB-1_6-12**
Site: Rexam DSI

Lab Sample No: **237812**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3255.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 15

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	780
Benzo(a)anthracene	ND	39
Chrysene	70 J	390
bis(2-Ethylhexyl)phthalate	ND	390
Di-n-octylphthalate	ND	390
Benzo(b)fluoranthene	30 J	39
Benzo(k)fluoranthene	ND	39
Benzo(a)pyrene	8.8J	39
Indeno(1,2,3-cd)pyrene	ND	39
Dibenz(a,h)anthracene	ND	39
Benzo(g,h,i)perylene	8.9J	390

Client ID: **EB-1_6-12**
Site: Rexam DSI

Lab Sample No: **237812**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3255.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 15.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	C16H14 PAH	22.52	400	
2.				
3.				
4.				
5.				
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27.				
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29.				
30.				

TOTAL ESTIMATED CONCENTRATION 400

Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/l3255.d
Report Date: 31-Oct-2000 09:34

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/l3255.d
Lab Smp Id: 237812 Client Smp ID: EB-1_6-12
Inj Date : 30-OCT-2000 20:15
Operator : BNAMS 4 Inst ID: BNAMS7.i
Smp Info : 237812;30;2;1;15
Misc Info : F104;PPBN+15;6924;114
Comment :
Method : /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/8270C1.m
Meth Date : 30-Oct-2000 15:17 acierno Quant Type: ISTD
Cal Date : 27-OCT-2000 12:29 Cal File: l3224.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPBNb.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	2.00000	Volume of final extract (ml)
Ws	30.00000	Weight of sample extracted (g)
M	15.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
* 79 1,4-Dichlorobenzene-d4	152	13.181	13.186	(1.000)	320707	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	14.132	14.147	(0.920)	638904	47.6735	3700
* 80 Naphthalene-d8	136	15.359	15.374	(1.000)	1295621	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	17.148	17.164	(0.937)	975156	46.2282	3600
* 82 Acenaphthene-d10	164	18.293	18.309	(1.000)	775901	40.0000	
* 83 Phenanthrene-d10	188	20.778	20.794	(1.000)	1433062	40.0000	
52 Phenanthrene	178	20.809	20.834	(1.001)	28143	0.80233	63(a)
56 Fluoranthene	202	22.792	22.818	(1.097)	19869	0.53141	42(a)
57 Pyrene	202	23.171	23.196	(0.918)	19977	0.54509	43(a)
$ 78 Terphenyl-d14 (SUR)	244	23.406	23.411	(0.927)	1388212	49.3672	3900
* 81 Chrysene-d12	240	25.246	25.282	(1.000)	1384323	40.0000	
62 Chrysene	228	25.287	25.333	(1.002)	29789	0.88996	70(a)
65 Benzo(b)fluoranthene	252	27.772	27.839	(0.957)	12527	0.38795	30(a)

Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/l3255.d
Report Date: 31-Oct-2000 09:34

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
67 Benzo(a)pyrene	252	28.795	28.882	(0.992)	3601	0.11263	8.8(a)
* 84 Perylene-d12	264	29.030	29.066	(1.000)	1240547	40.0000	
70 Benzo(g,h,i)perylene	276	34.848	35.047	(1.200)	3549	0.11328	8.9(aM)

QC Flag Legend

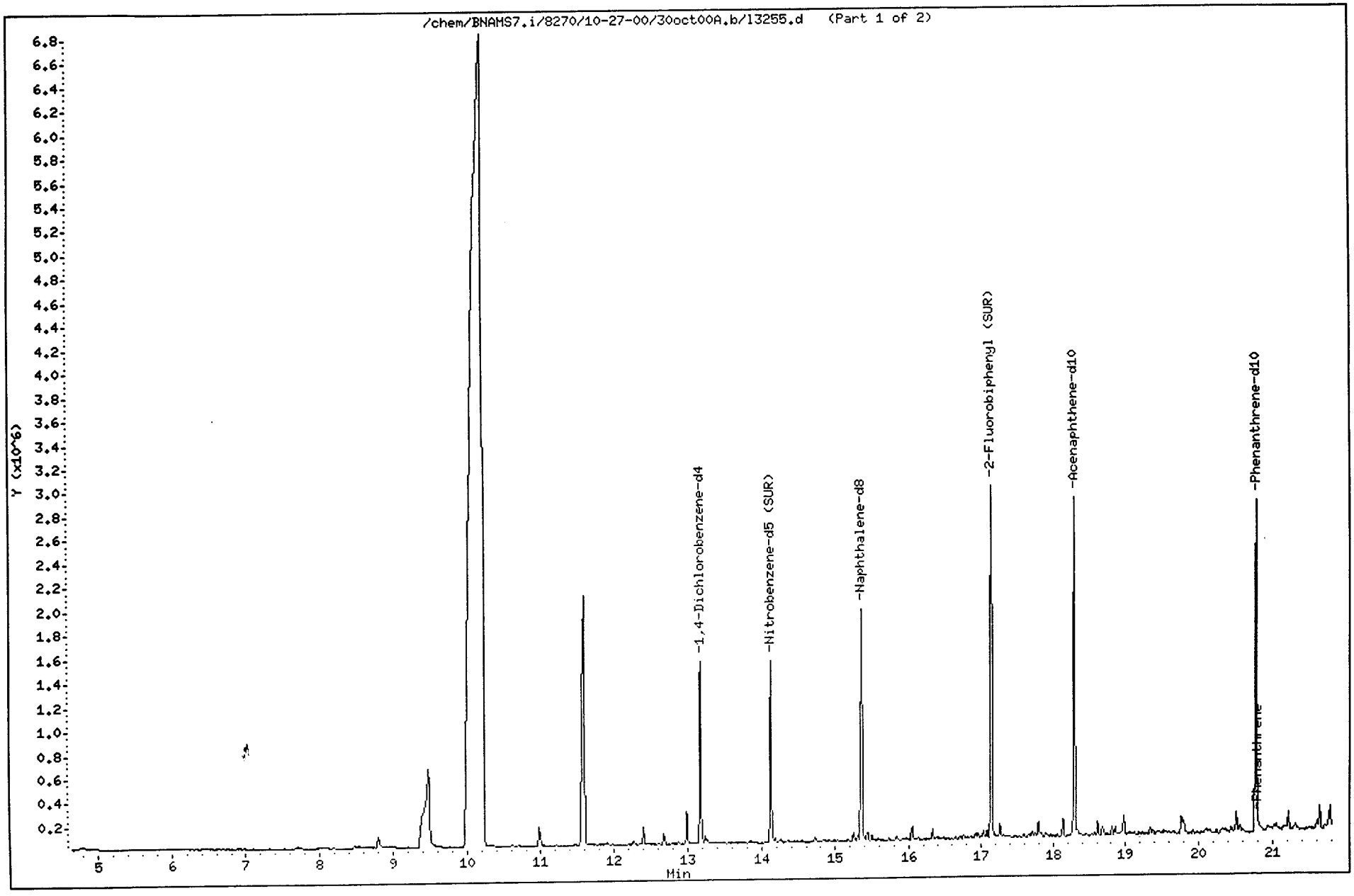
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13255.d
Date : 30-OCT-2000 20:15
Client ID: EB-1_6-12
Sample Info: 237812;30;2;1;15

Column phase: DB-5

Instrument: BNAMS7.i

Operator: BNAMS 4
Column diameter: 0.25

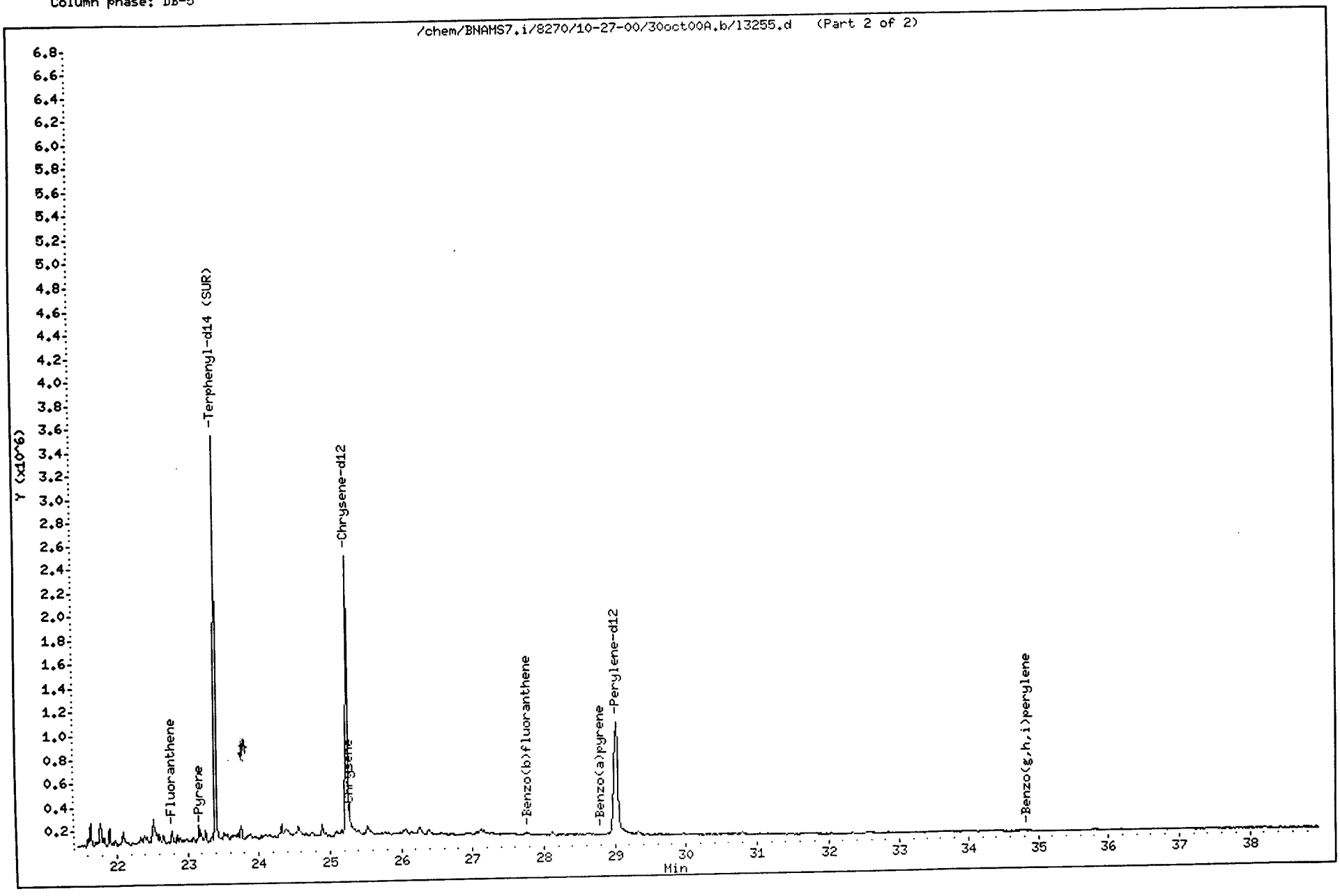


Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13255.d
Date : 30-OCT-2000 20:15
Client ID: EB-1_6-12
Sample Info: 237812;30;2;1;15

Instrument: BNAMS7.i

Operator: BNAMS 4
Column diameter: 0.25

Column phase: DB-5



Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13255.d

Date : 30-OCT-2000 20:15

Client ID: EB-1_6-12

Instrument: BNAMS7.i

Sample Info: 237812;30;2;1;15

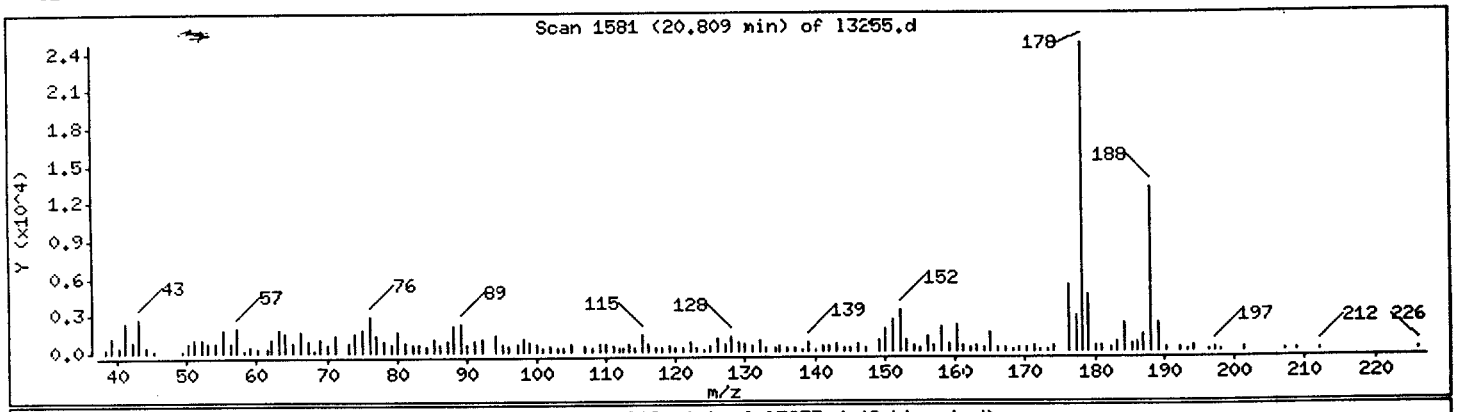
Operator: BNAMS 4

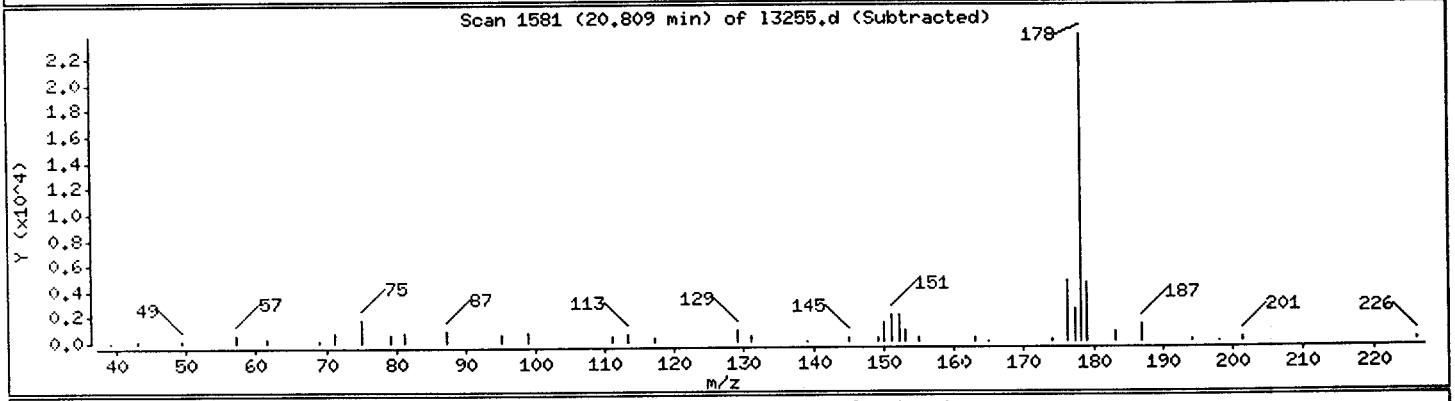
Column phase: DB-5

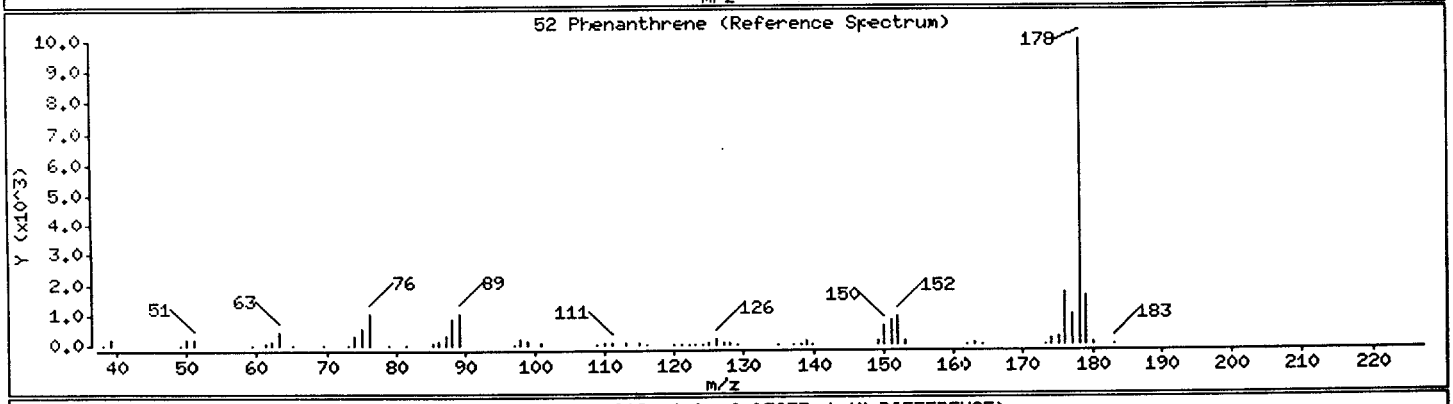
Column diameter: 0.25

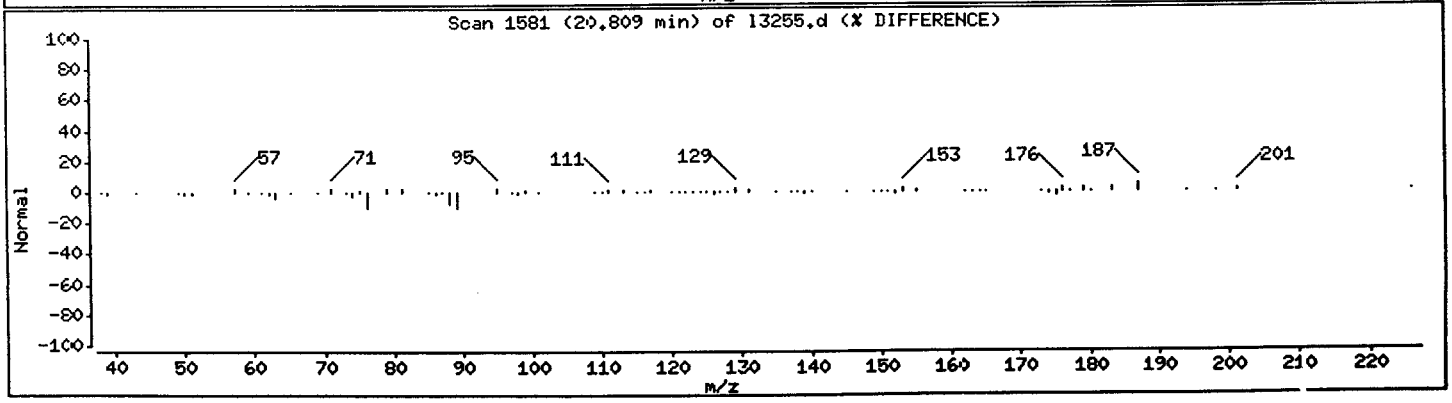
52 Phenanthrene

Concentration: 63 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13255.d

Date : 30-OCT-2000 20:15

Client ID: EB-1_6-12

Instrument: BNAMS7.i

Sample Info: 237812;30;2;1;15

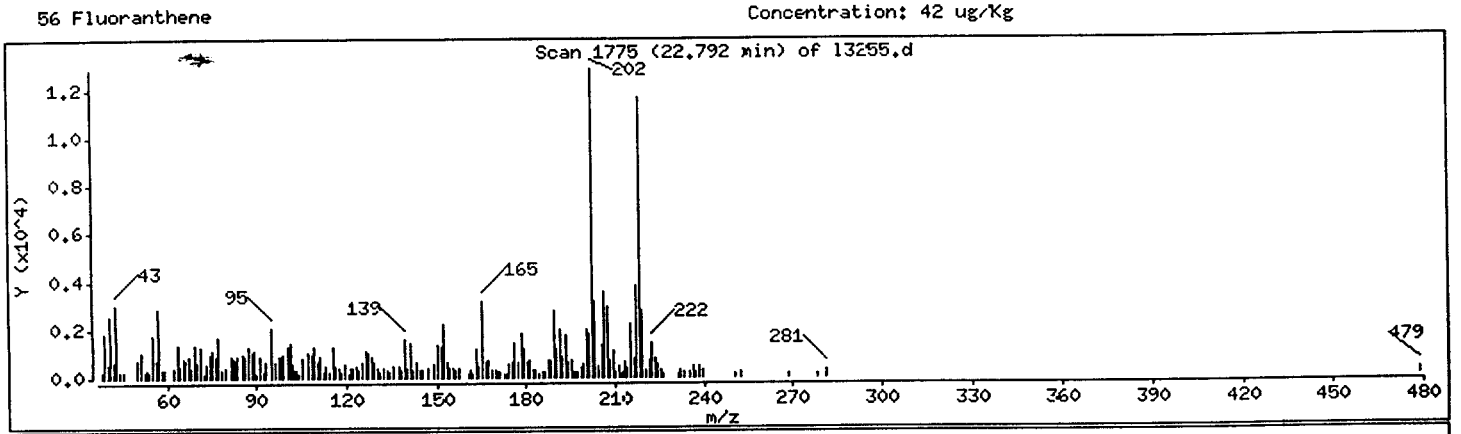
Operator: BNAMS 4

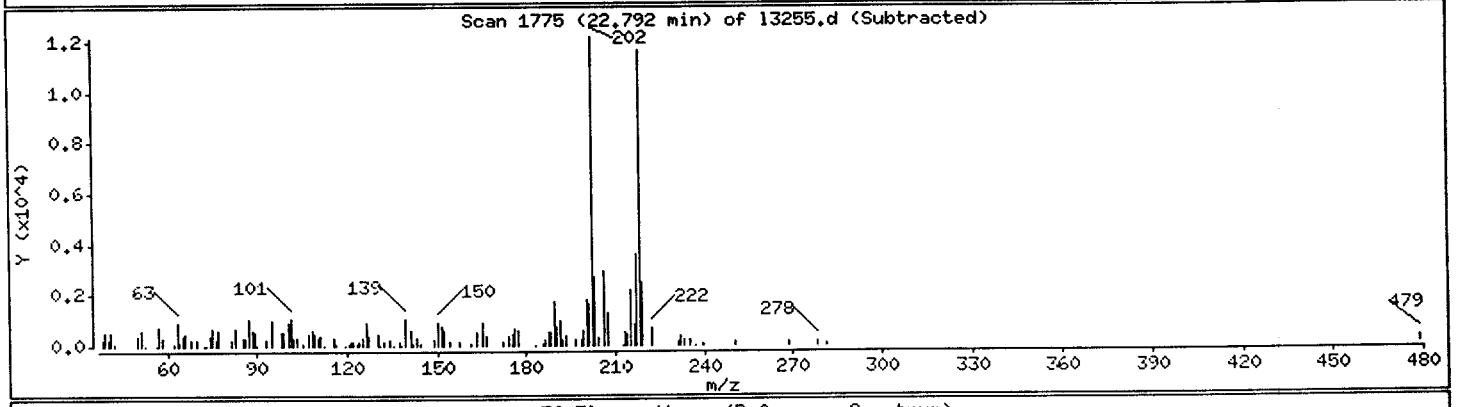
Column phase: DB-5

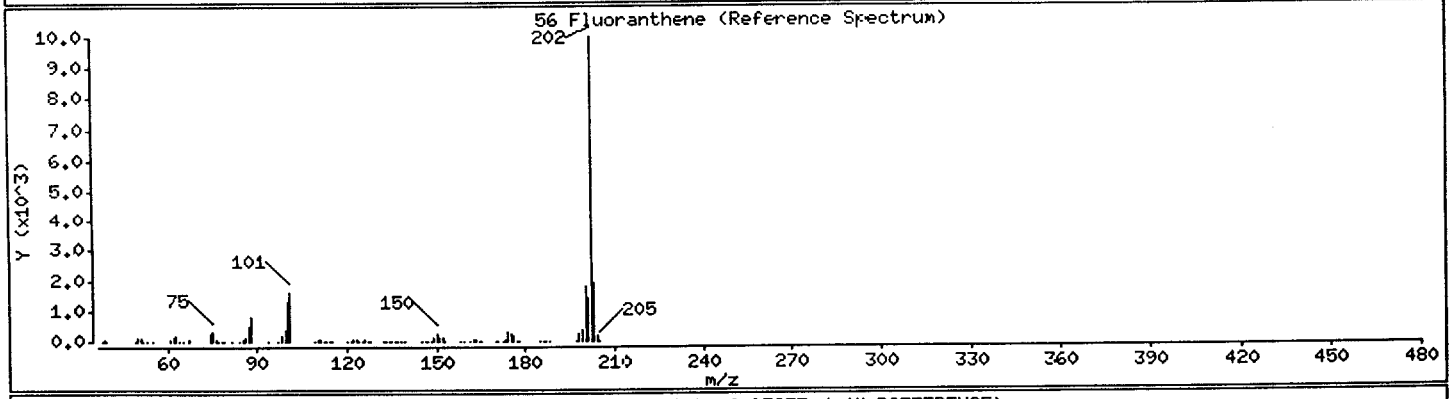
Column diameter: 0.25

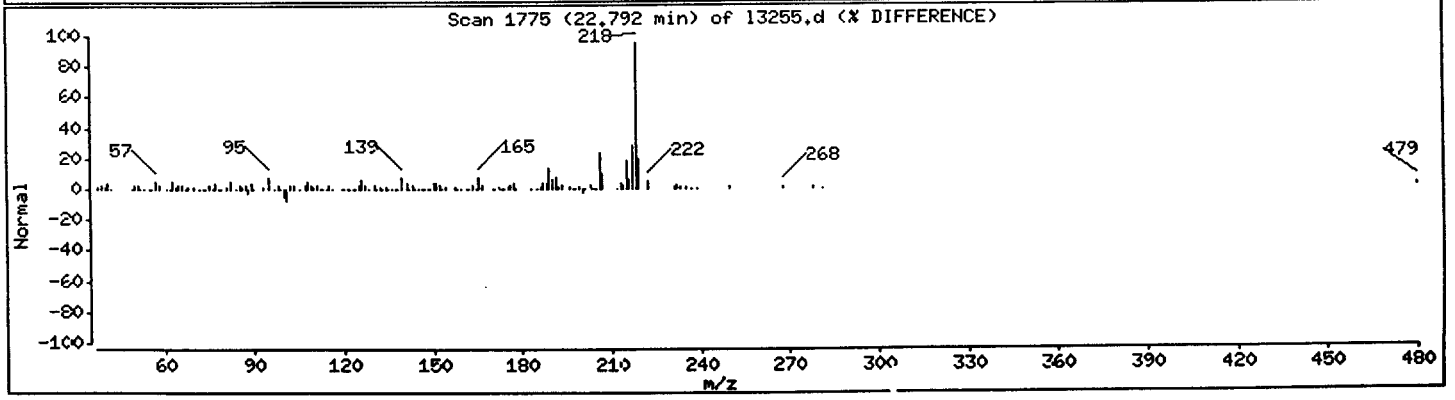
56 Fluoranthene

Concentration: 42 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13255.d

Date : 30-OCT-2000 20:15

Client ID: EB-1_6-12

Instrument: BNAMS7.i

Sample Info: 237812;30;2;1;15

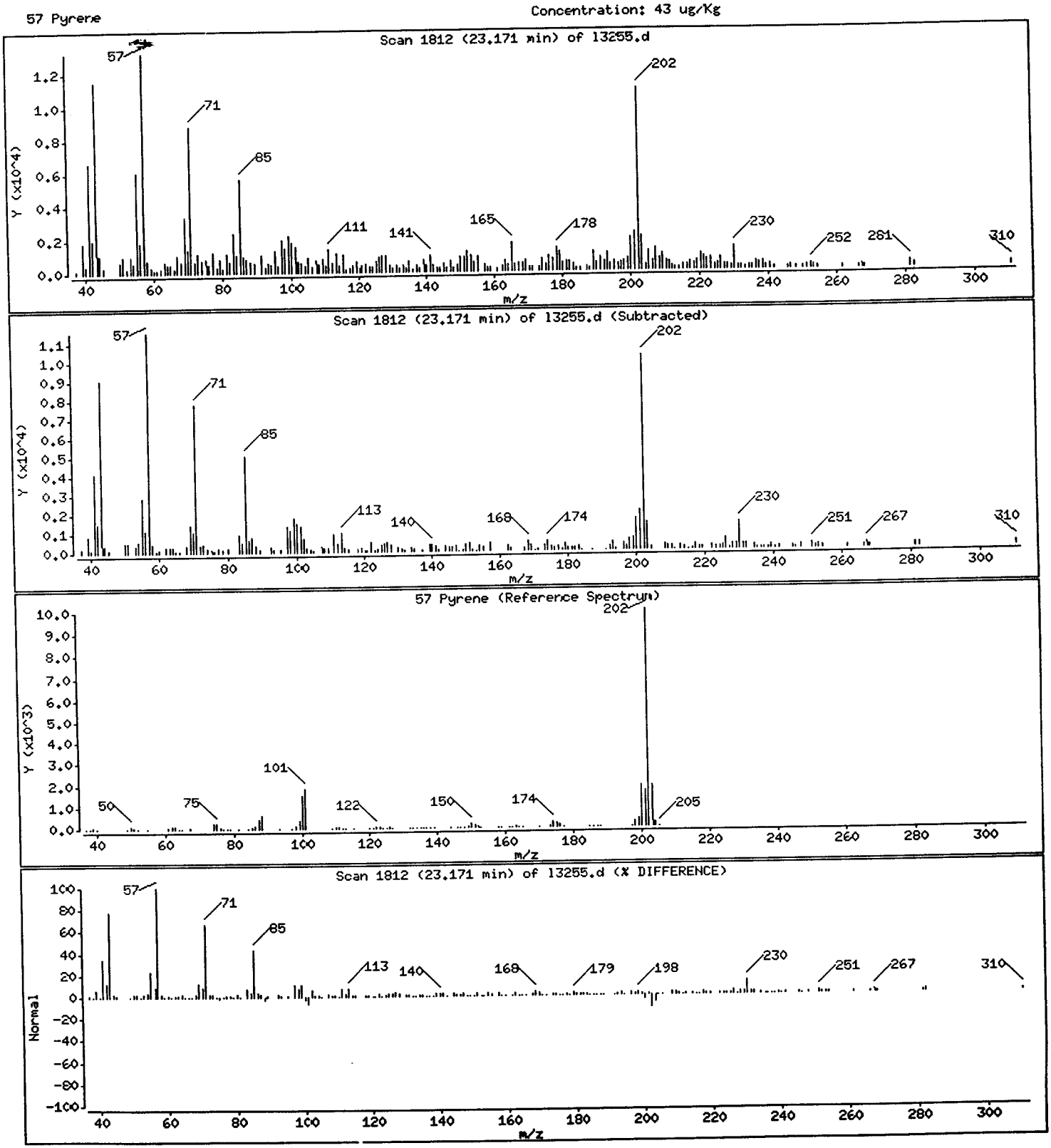
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

57 Pyrene

Concentration: 43 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13255.d

Date : 30-OCT-2000 20:15

Client ID: EB-1_6-12

Instrument: BNAMS7.i

Sample Info: 237812;30;2;1;15

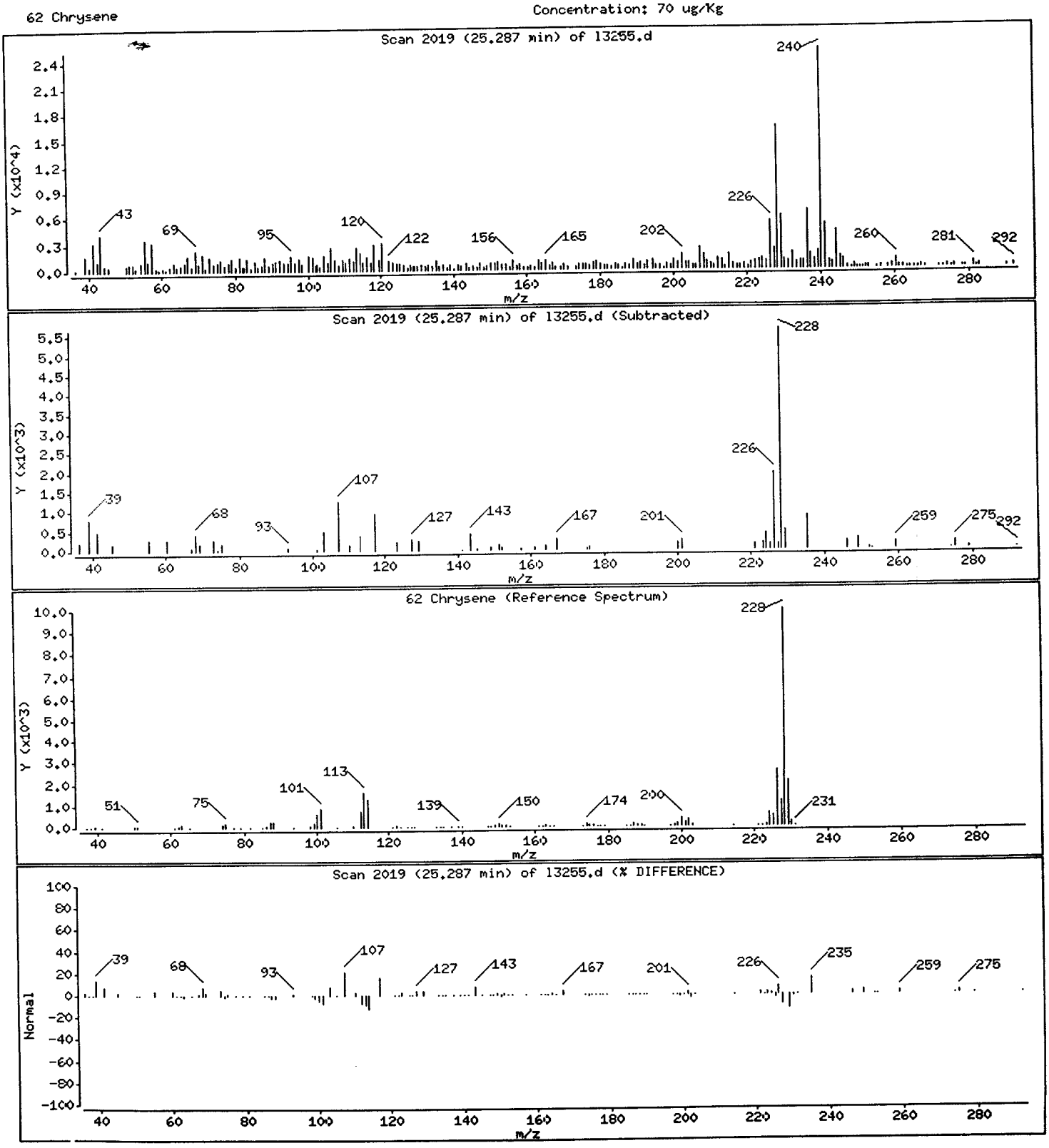
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

62 Chrysene

Concentration: 70 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13255.d

Date : 30-OCT-2000 20:15

Client ID: EB-1_6-12

Instrument: BNAMS7.i

Sample Info: 237812;30;2;1;15

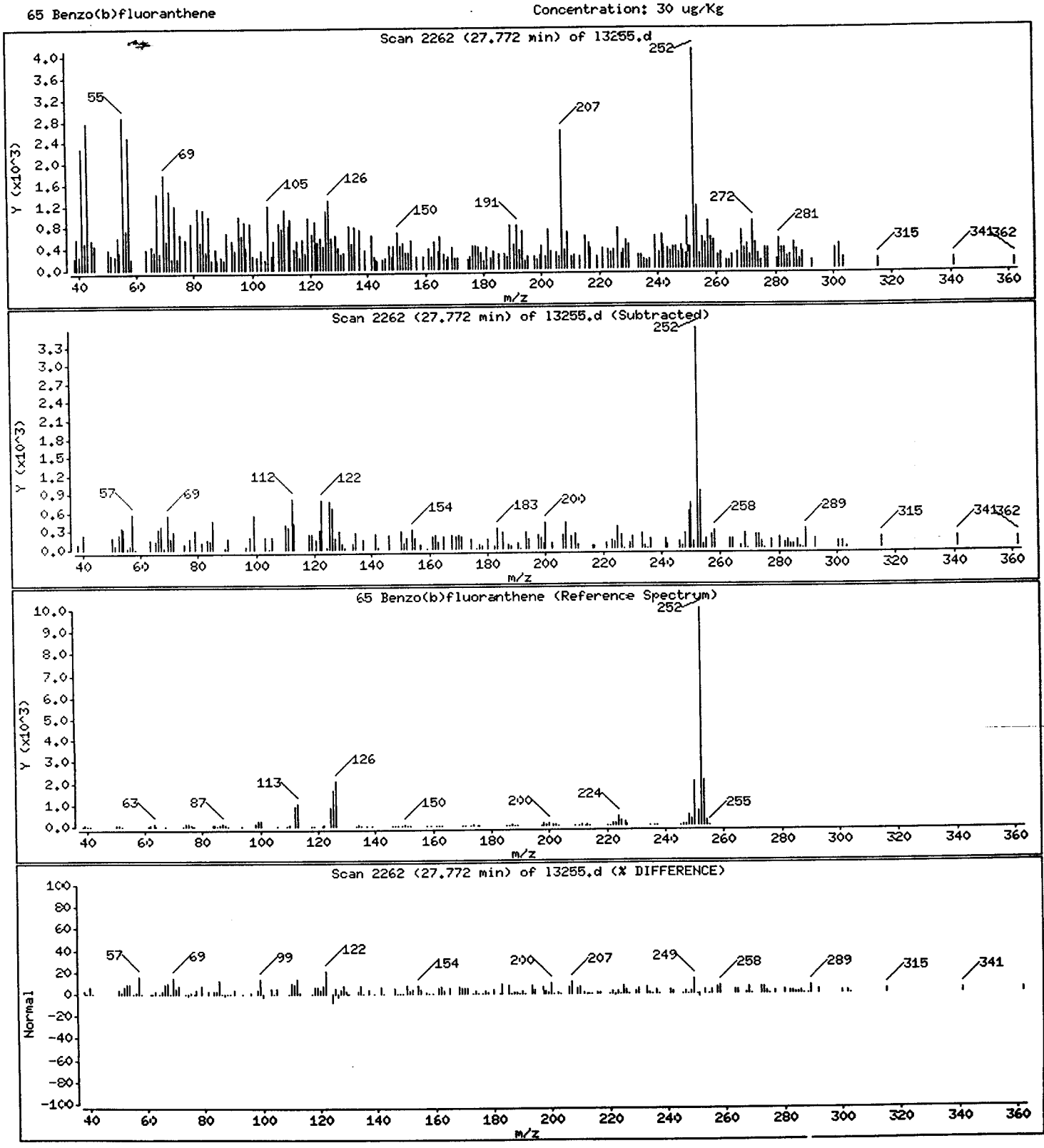
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

65 Benzo(b)fluoranthene

Concentration: 30 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13255.d

Date : 30-OCT-2000 20:15

Client ID: EB-1_6-12

Instrument: BNAMS7.i

Sample Info: 237812;30;2;1;15

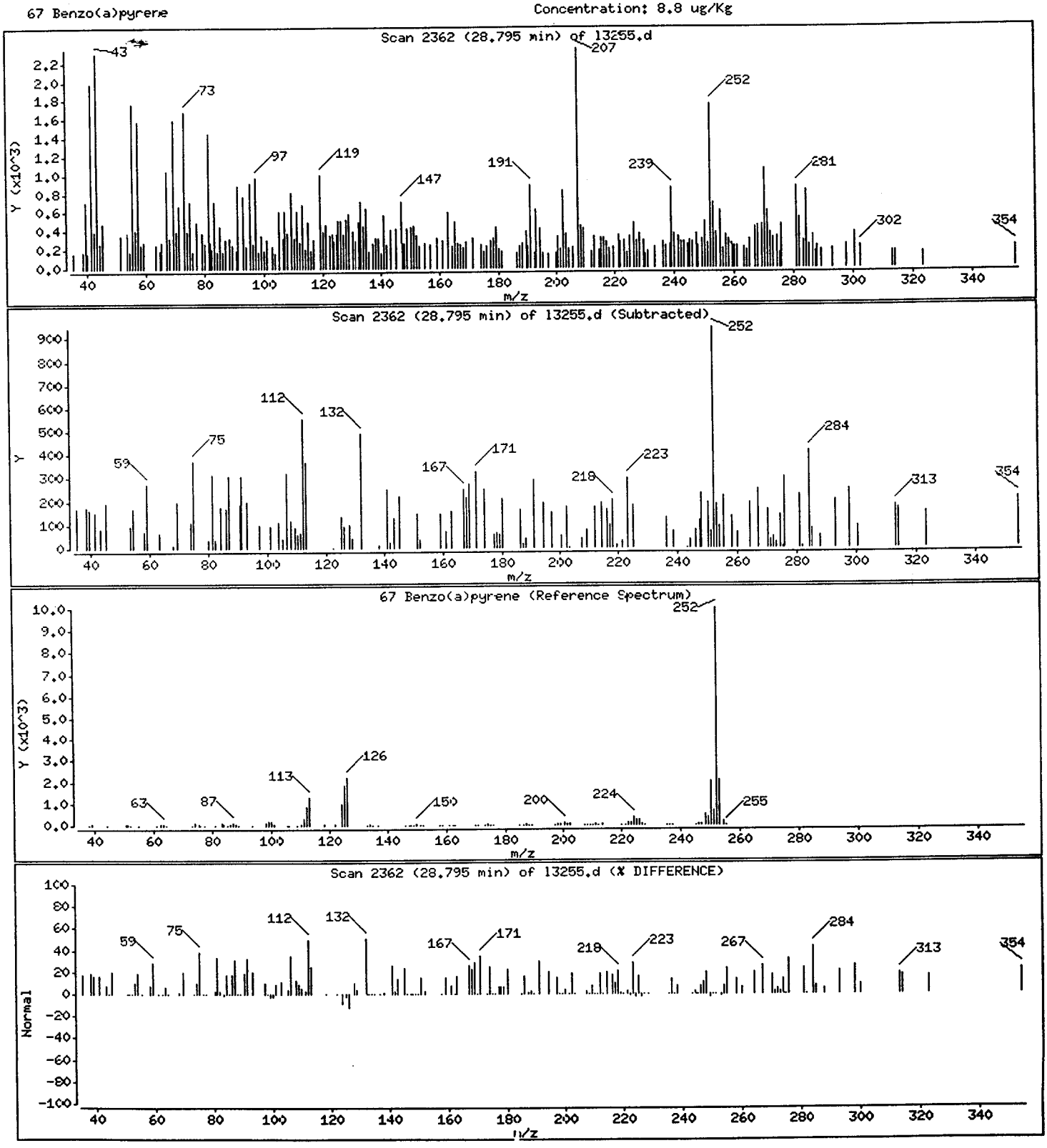
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

67 Benzo(a)pyrene

Concentration: 8.8 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13255.d

Date : 30-OCT-2000 20:15

Client ID: EB-1_6-12

Instrument: BNAMS7.i

Sample Info: 237812;30;2;1;15

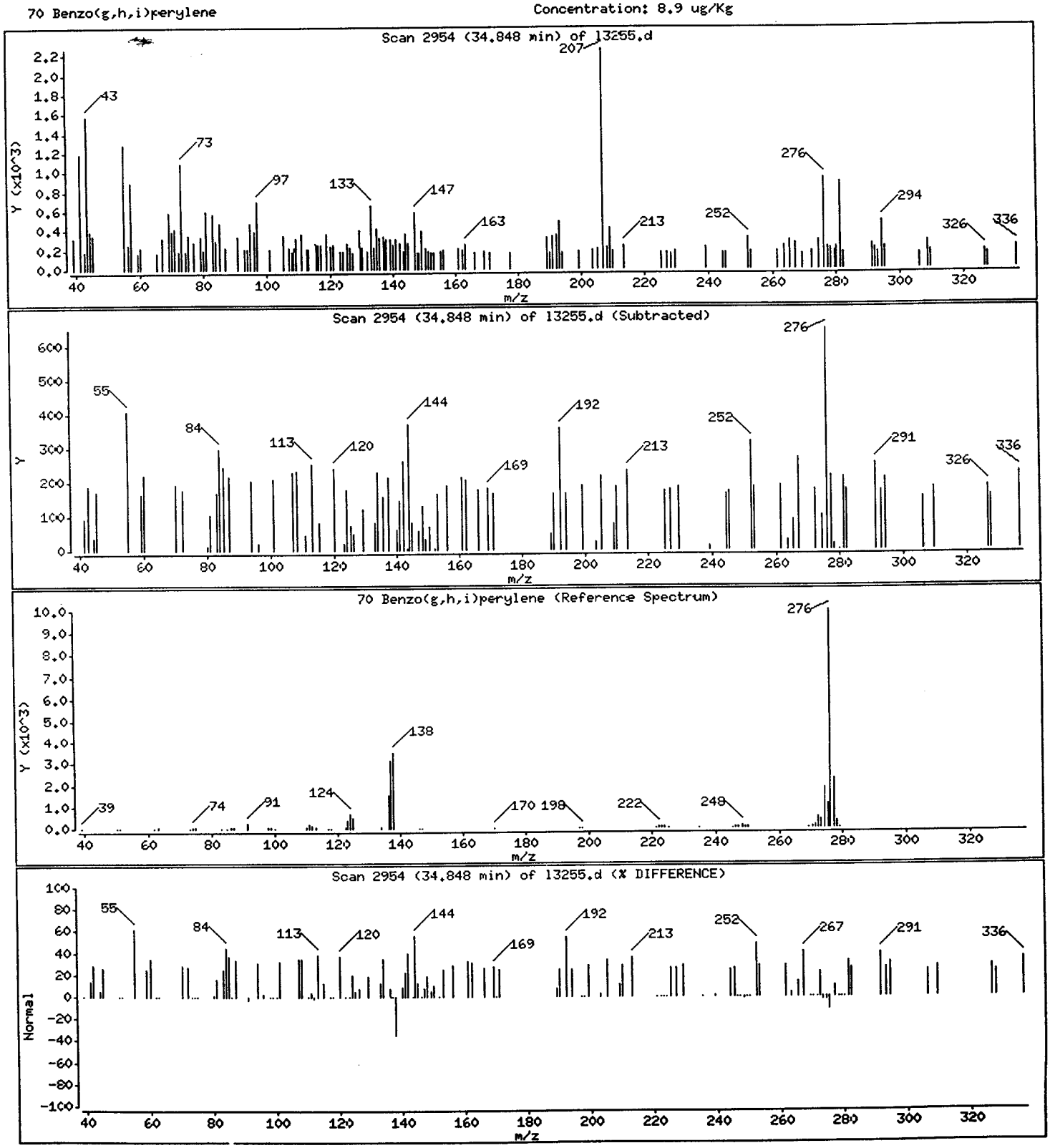
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

70 Benzo(g,h,i)perylene

Concentration: 8.9 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13255.d

Date : 30-OCT-2000 20:15

Client ID: EB-1_6-12

Instrument: BNAMS7.i

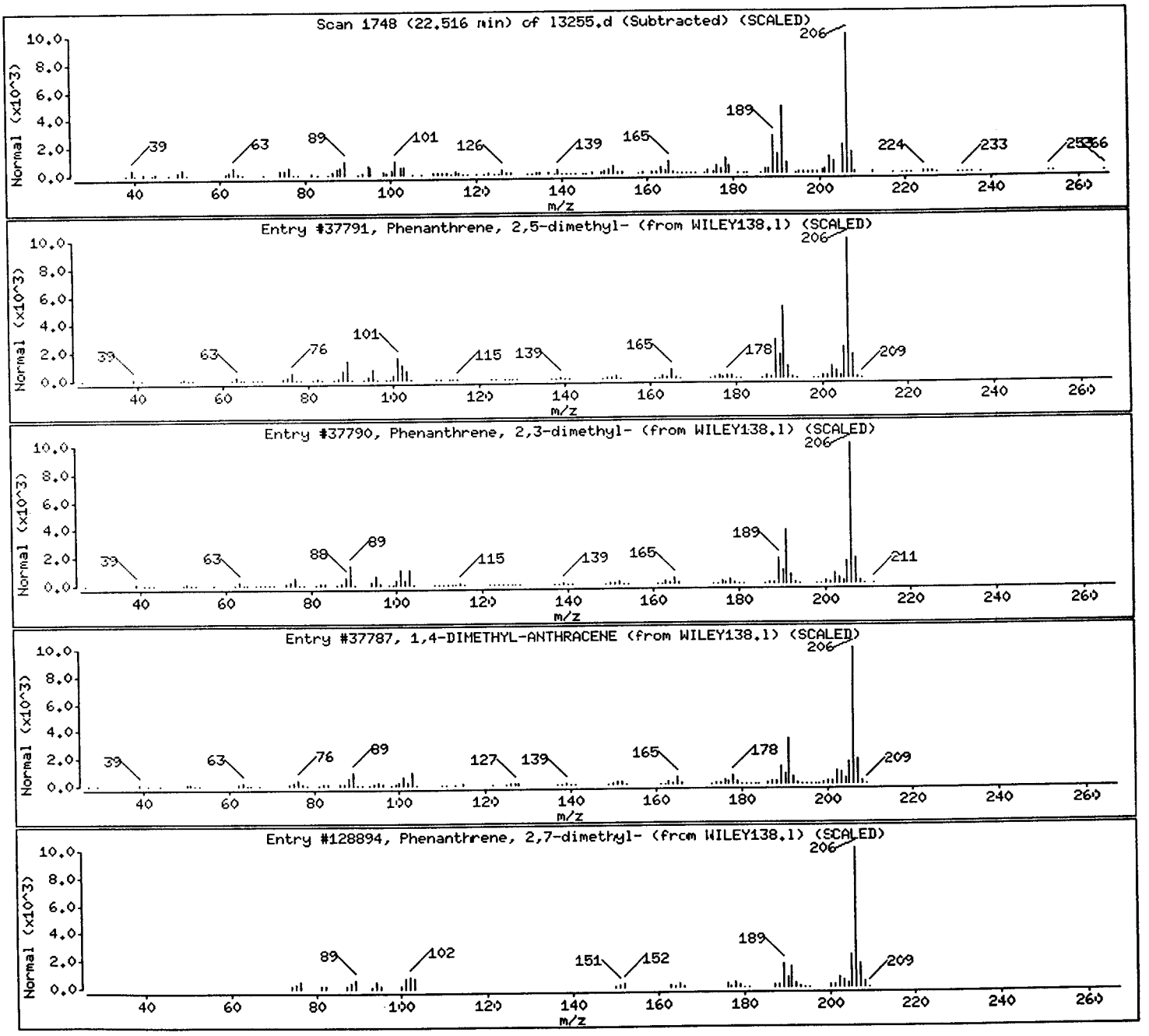
Sample Info: 237812;30;2;1;15

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C16H14 PAH						
Phenanthrene, 2,5-dimethyl-	3674-66-6	WILEY138.l	37791	93	C16H14	206
Phenanthrene, 2,3-dimethyl-	3674-65-5	WILEY138.l	37790	93	C16H14	206
1,4-DIMETHYL-ANTHRACENE	0-00-0	WILEY138.l	37787	91	C16H14	206
Phenanthrene, 2,7-dimethyl-	1576-69-8	WILEY138.l	128894	90	C16H14	206



Client ID: **EB-2_Catch_Basin**
Site: Rexam DSI

Lab Sample No: **237813**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3259.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 16

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	400
bis(2-Chloroethyl)ether	ND	40
1,3-Dichlorobenzene	ND	400
1,4-Dichlorobenzene	ND	400
1,2-Dichlorobenzene	ND	400
bis(2-chloroisopropyl)ether	ND	400
N-Nitroso-di-n-propylamine	ND	40
Hexachloroethane	ND	40
Nitrobenzene	ND	40
Isophorone	ND	400
bis(2-Chloroethoxy)methane	ND	400
1,2,4-Trichlorobenzene	ND	40
Naphthalene	ND	400
Hexachlorobutadiene	ND	80
Hexachlorocyclopentadiene	ND	400
2-Chloronaphthalene	ND	400
Dimethylphthalate	ND	400
Acenaphthylene	12 J	400
2,6-Dinitrotoluene	ND	80
Acenaphthene	12 J	400
2,4-Dinitrotoluene	ND	80
Diethylphthalate	ND	400
4-Chlorophenyl-phenylether	ND	400
Fluorene	23 J	400
N-Nitrosodiphenylamine	ND	400
4-Bromophenyl-phenylether	ND	400
Hexachlorobenzene	ND	40
Phenanthrene	160 J	400
Anthracene	31 J	400
Di-n-butylphthalate	95 J	400
Fluoranthene	350 J	400
Pyrene	360 J	400
Benzidine	ND	1600
Butylbenzylphthalate	ND	400

Client ID: **EB-2_Catch_Basin**
Site: Rexam DSI

Lab Sample No: **237813**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3259.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 16

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	800
Benzo(a)anthracene	160	40
Chrysene	300 J	400
bis(2-Ethylhexyl)phthalate	450	400
Di-n-octylphthalate	280 J	400
Benzo(b)fluoranthene	380	40
Benzo(k)fluoranthene	200	40
Benzo(a)pyrene	160	40
Indeno(1,2,3-cd)pyrene	68	40
Dibenz(a,h)anthracene	ND	40
Benzo(g,h,i)perylene	69 J	400

Client ID: **EB-2_Catch_Basin**
Site: Rexam DSI

Lab Sample No: **237813**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/30/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: 13259.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 16.3

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown Alkane	22.66	4100	
2. Unknown Alkane	24.39	7000	
3. Unknown	24.39	8000	
4. Unknown Alkane	24.92	3900	
5. Unknown Alkane	26.32	7500	
6. Unknown	27.37	7400	
7. Unknown	27.58	7400	
8. Unknown Alkane	28.22	17000	
9. Unknown	30.07	8900	
10. Unknown Alkane	30.95	16000	
11. Vitamin E	31.68	11000	
12. Unknown Alkane/Unknown	33.39	14000	
13. .beta.-Amyrin	37.32	7400	
14. Unknown	37.54	5600	
15. Unknown	38.61	12000	
16.			
17.			
18.			
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27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION	137200

Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/l3259.d
Report Date: 31-Oct-2000 09:35

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/l3259.d
Lab Smp Id: 237813 Client Smp ID: EB-2_Catch_Basin
Inj Date : 30-OCT-2000 23:29
Operator : BNAMS 4 Inst ID: BNAMS7.i
Smp Info : 237813;30;2;1;16.3
Misc Info : F104;PPBN+15;6924;114
Comment :
Method : /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/8270C1.m
Meth Date : 30-Oct-2000 15:17 acierno Quant Type: ISTD
Cal Date : 27-OCT-2000 12:29 Cal File: l3224.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPBNb.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	2.00000	Volume of final extract (ml)
Ws	30.00000	Weight of sample extracted (g)
M	16.30000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
*	79 1,4-Dichlorobenzene-d4	152	13.187	13.186	(1.000)	356459	40.0000	
$	76 Nitrobenzene-d5 (SUR)	82	14.138	14.147	(0.920)	735199	47.6201	3800
*	80 Naphthalene-d8	136	15.365	15.374	(1.000)	1492568	40.0000	
$	77 2-Fluorobiphenyl (SUR)	172	17.154	17.164	(0.937)	1140241	50.1030	4000
	39 Acenaphthylene	152	18.064	18.074	(0.987)	5233	0.14565	12(a)
*	82 Acenaphthene-d10	164	18.300	18.309	(1.000)	837090	40.0000	
	42 Acenaphthene	153	18.351	18.370	(1.003)	3403	0.15102	12(a)
	47 Fluorene	166	19.189	19.229	(1.049)	7307	0.28986	23(a)
*	83 Phenanthrene-d10	188	20.784	20.794	(1.000)	1435903	40.0000	
	52 Phenanthrene	178	20.815	20.834	(1.001)	73090	2.07960	160(a)
	53 Anthracene	178	20.897	20.926	(1.005)	14007	0.39494	31(a)
	55 Di-n-butylphthalate	149	21.684	21.693	(1.043)	66926	1.19674	95(a)
	56 Fluoranthene	202	22.799	22.818	(1.097)	166410	4.44194	350(a)

Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/l3259.d
Report Date: 31-Oct-2000 09:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
	57 Pyrene	202	23.177	23.196	(0.917)	156439	4.55811	360(a)
$	78 Terphenyl-d14 (SUR)	244	23.412	23.411	(0.927)	1399071	53.1283	4200
	63 bis(2-Ethylhexyl)phthalate	149	25.181	25.180	(0.997)	185558	5.60998	450
	61 Benzo(a)anthracene	228	25.242	25.252	(0.999)	68083	2.01643	160
*	81 Chrysene-d12	240	25.263	25.282	(1.000)	1296384	40.0000	
	62 Chrysene	228	25.304	25.333	(1.002)	117892	3.76098	300(a)
	64 Di-n-octylphthalate	149	26.725	26.632	(0.919)	157674	3.50837	280(a)
	65 Benzo(b)fluoranthene	252	27.819	27.839	(0.957)	105197	4.84088	380(M)
	66 Benzo(k)fluoranthene	252	27.860	27.931	(0.958)	63685	2.45815	200(M)
	67 Benzo(a)pyrene	252	28.852	28.882	(0.993)	44556	2.07072	160(M)
*	84 Perylene-d12	264	29.067	29.066	(1.000)	834873	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	33.545	33.595	(1.154)	17662	0.85202	68(M)
	70 Benzo(g,h,i)perylene	276	34.966	35.047	(1.203)	18191	0.86279	69(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

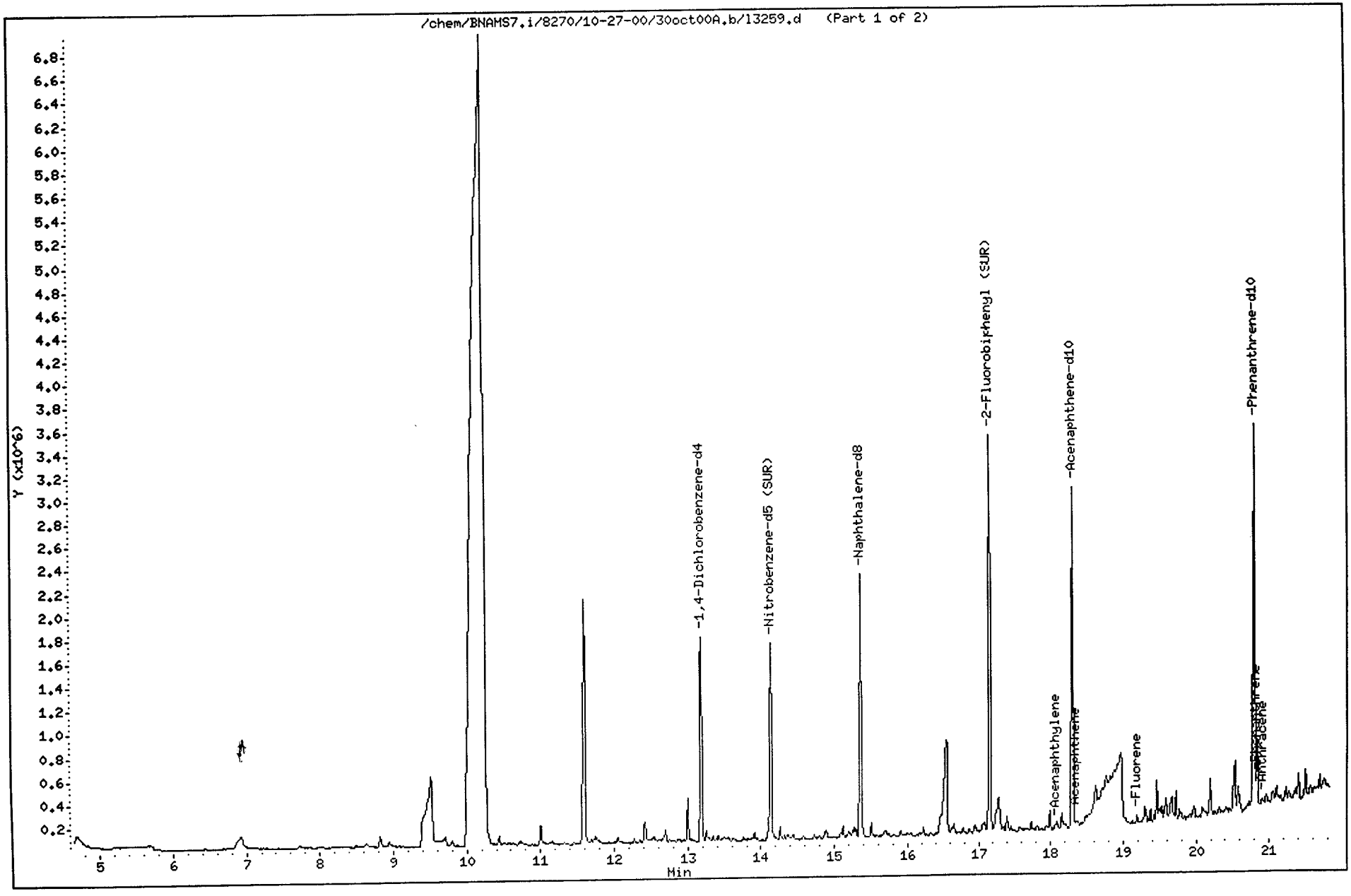
Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d
Date : 30-OCT-2000 23:29
Client ID: EB-2_Catch_Basin
Sample Info: 237813;30;2;1;16.3

Column phase: DB-5

Instrument: BNAMS7.i

Operator: BNAMS 4
Column diameter: 0.25

500



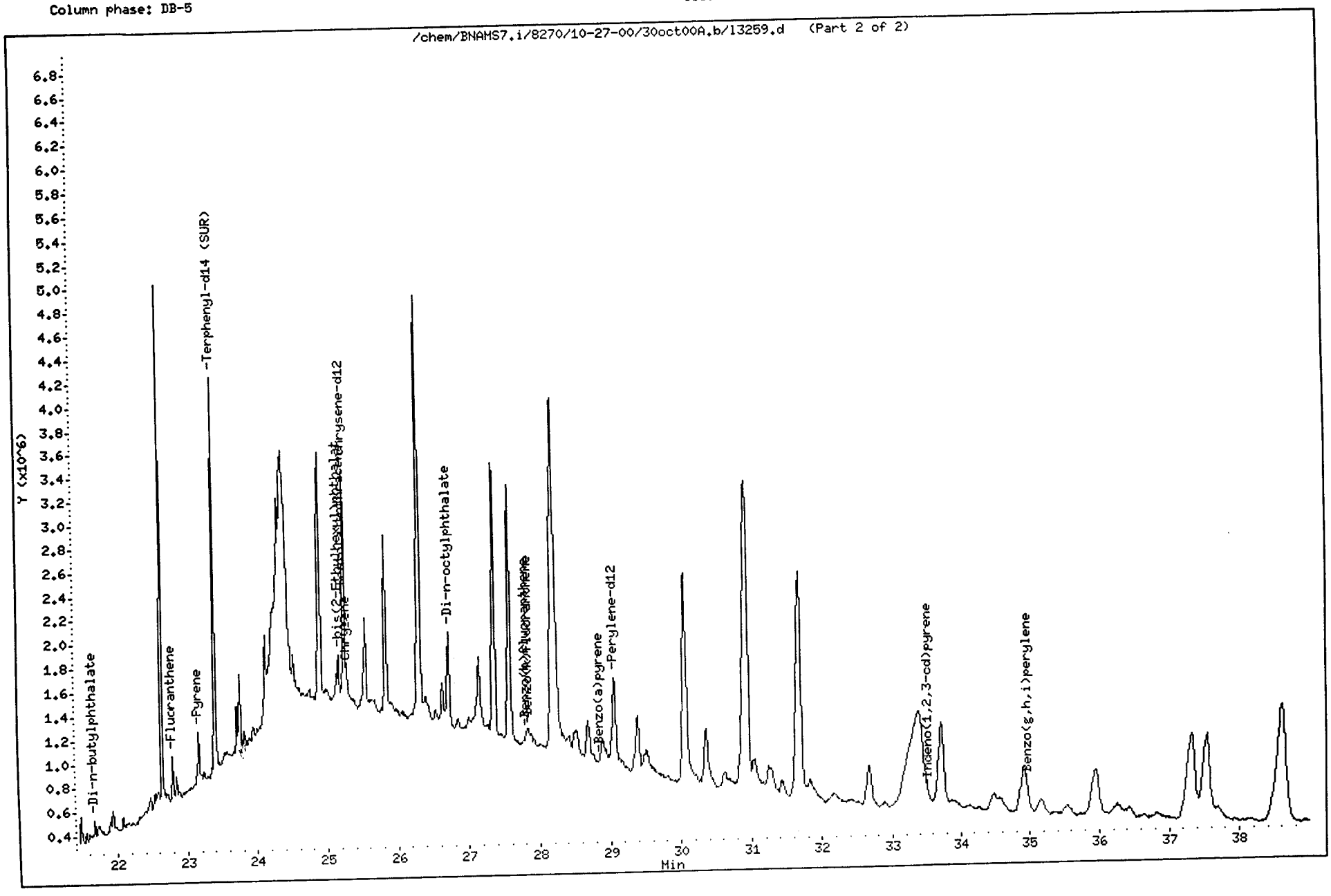
Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d
Date : 30-OCT-2000 23:29
Client ID: EB-2_Catch_Basin
Sample Info: 237813;30;2;1;16.3

Instrument: BNAMS7.i

Operator: BNAMS 4
Column diameter: 0.25

Column phase: DB-5

501



Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

Sample Info: 237813;30;2;1;16.3

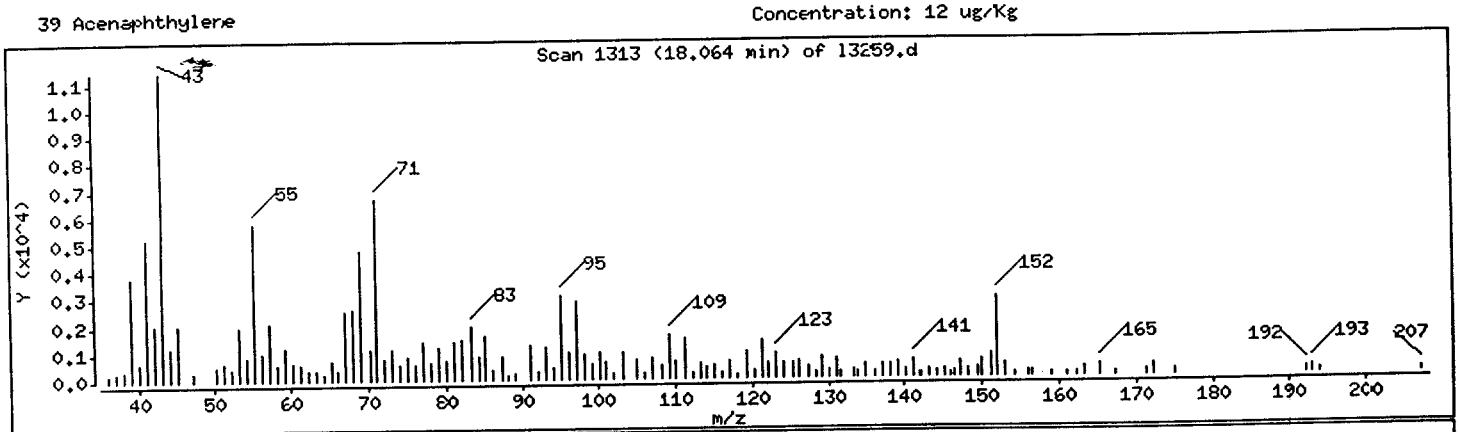
Operator: BNAMS 4

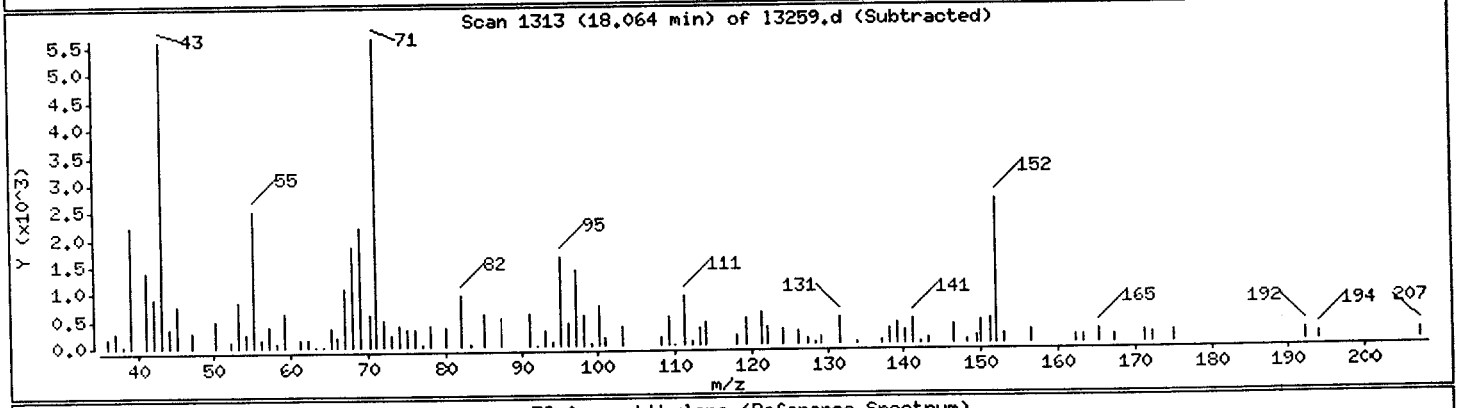
Column phase: DB-5

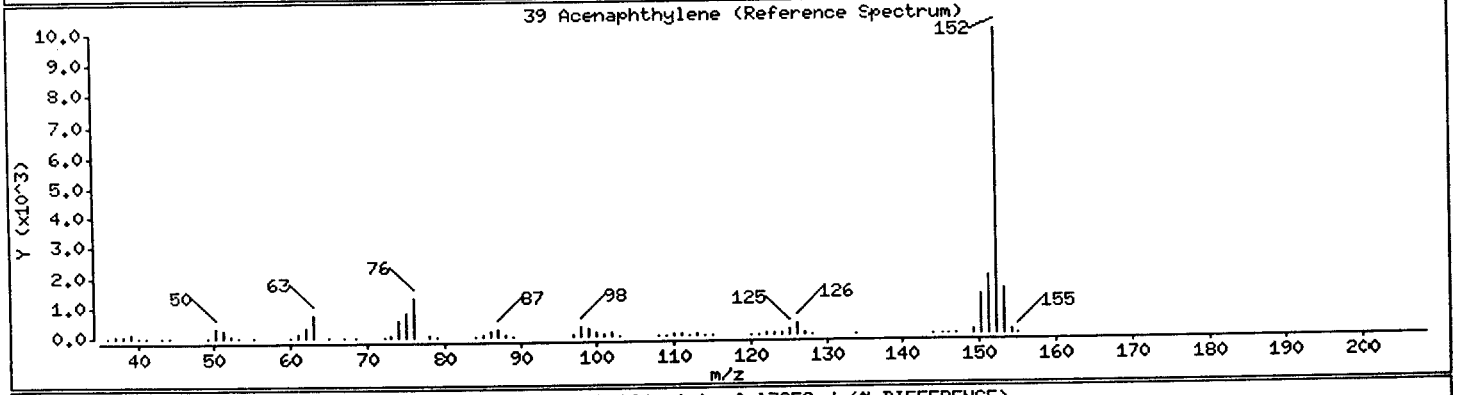
Column diameter: 0.25

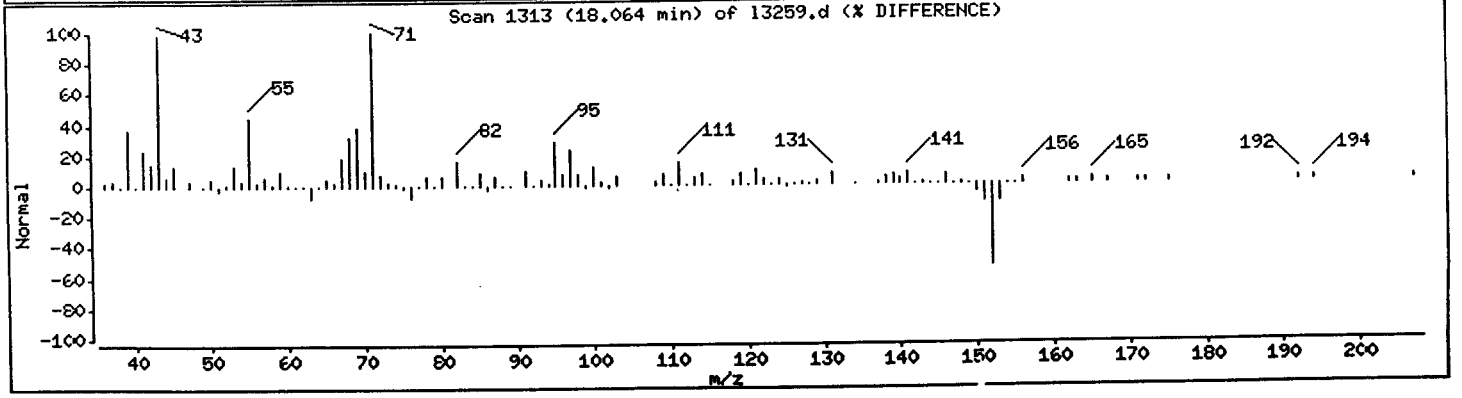
39 Acenaphthylene

Concentration: 12 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

Sample Info: 237813;30;2;1;16.3

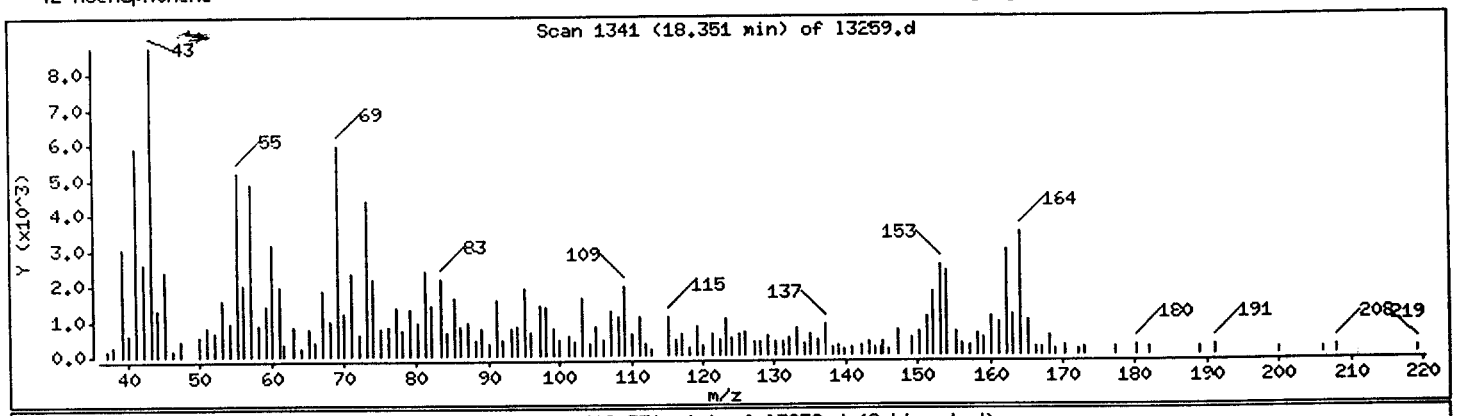
Operator: BNAMS 4

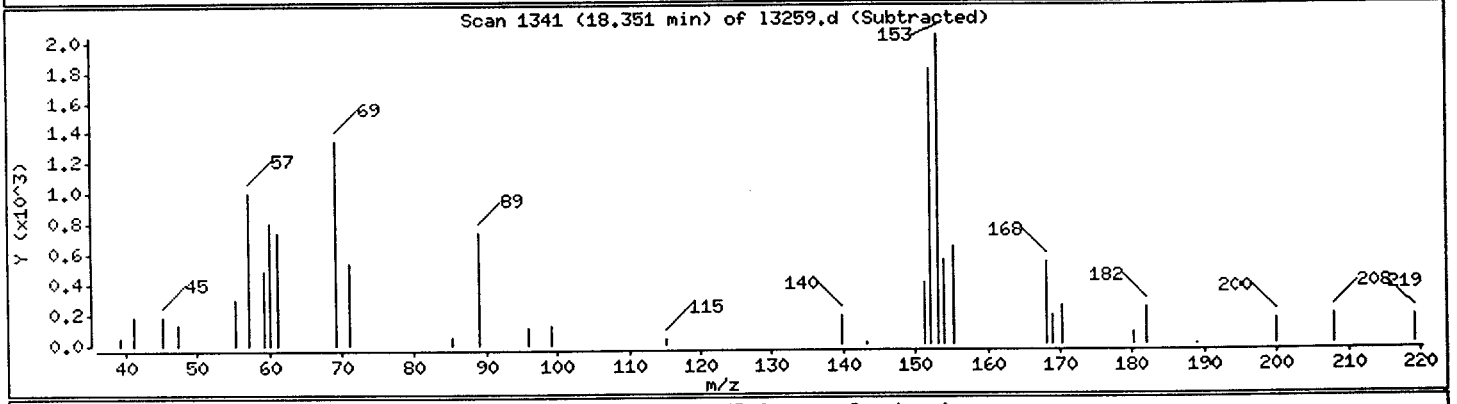
Column phase: DB-5

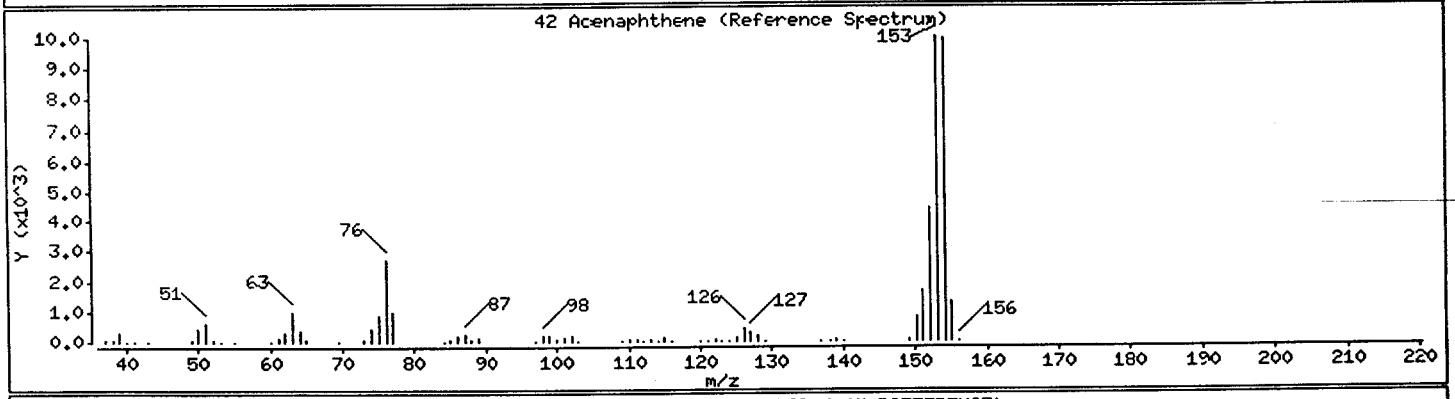
Column diameter: 0.25

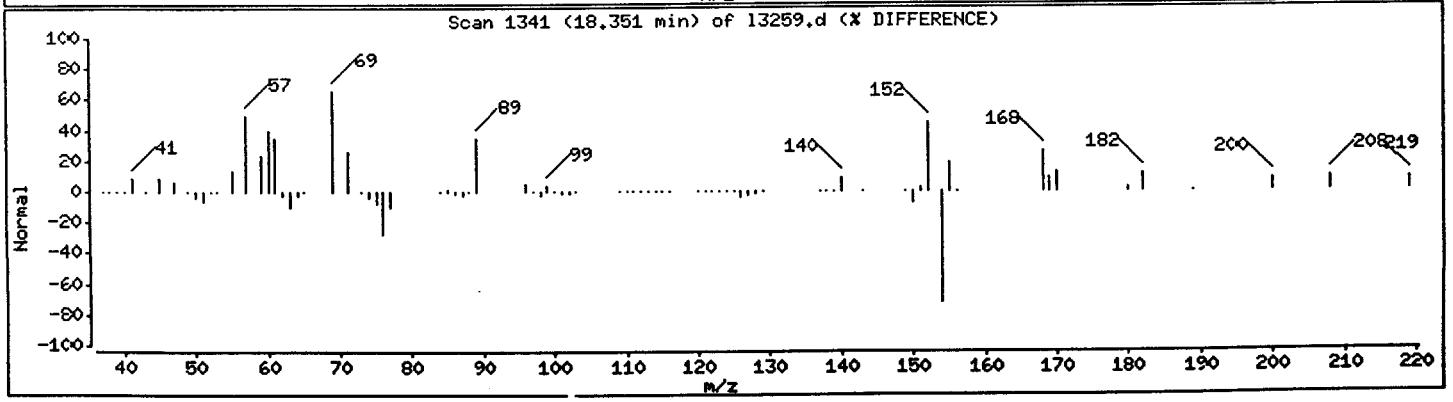
42 Acenaphthene

Concentration: 12 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

Sample Info: 237813;30;2;1;16.3

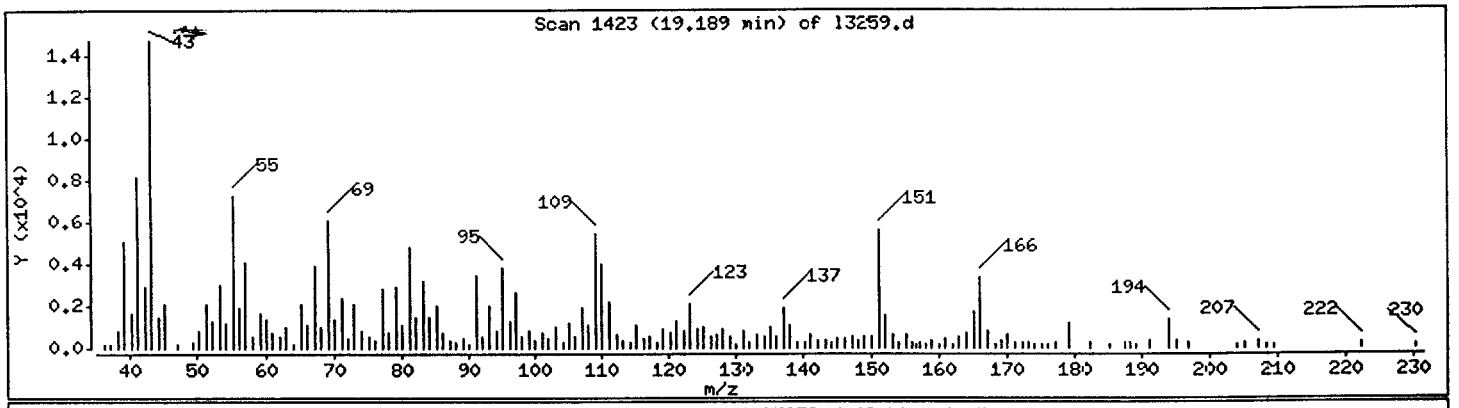
Operator: BNAMS 4

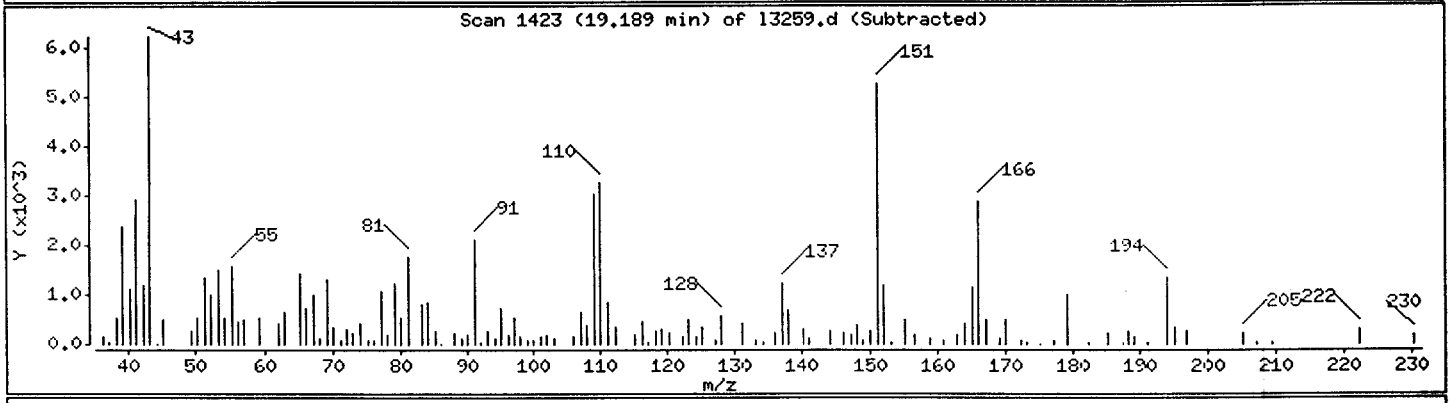
Column phase: DB-5

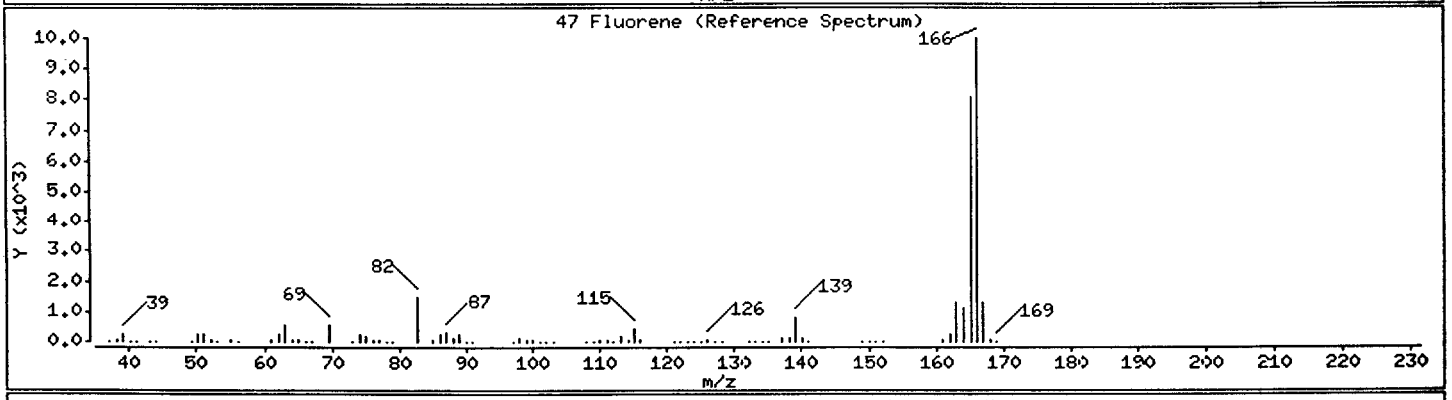
Column diameter: 0.25

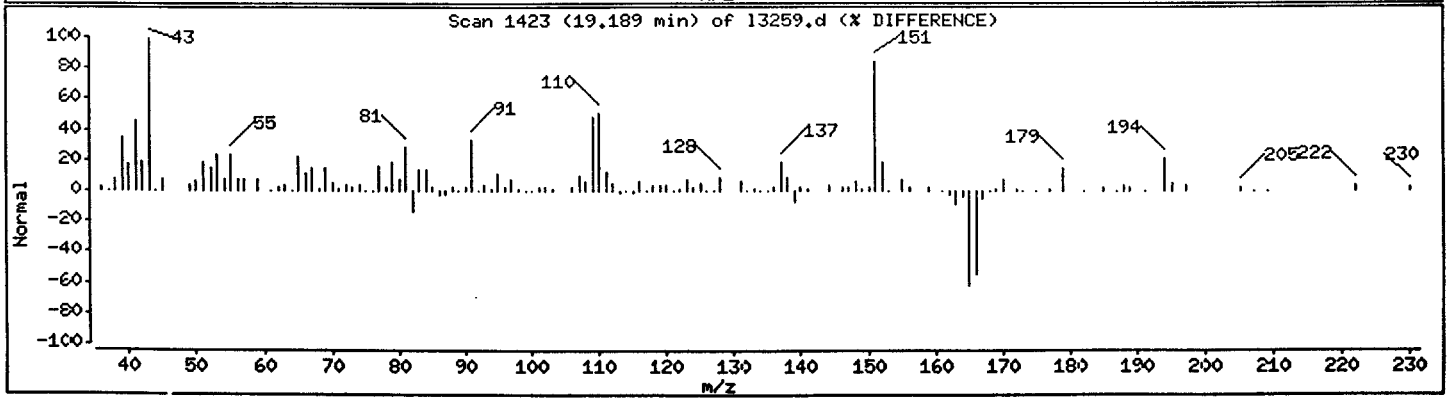
47 Fluorene

Concentration: 23 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

Sample Info: 237813;30;2;1;16.3

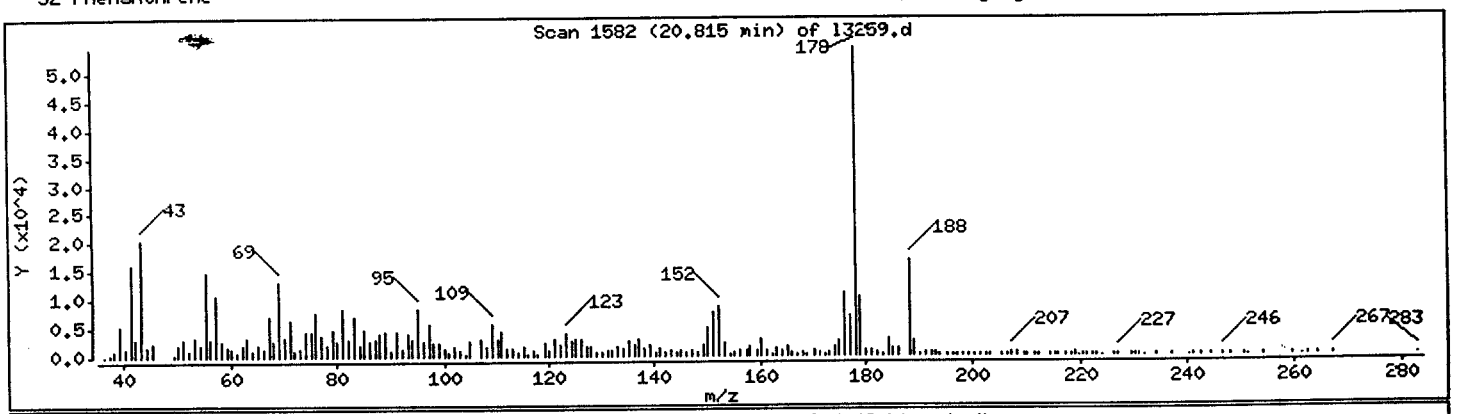
Operator: BNAMS 4

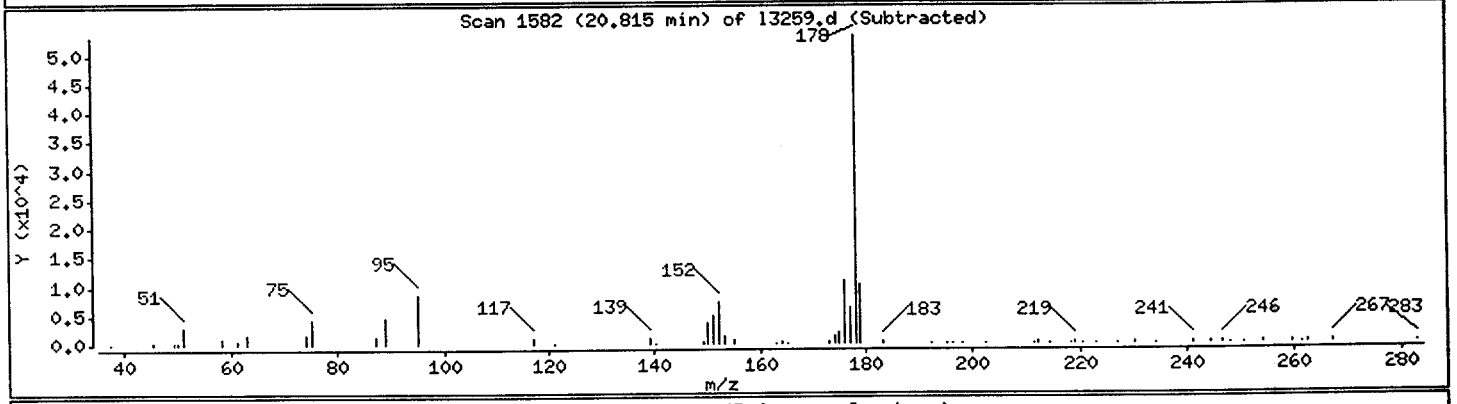
Column phase: DB-5

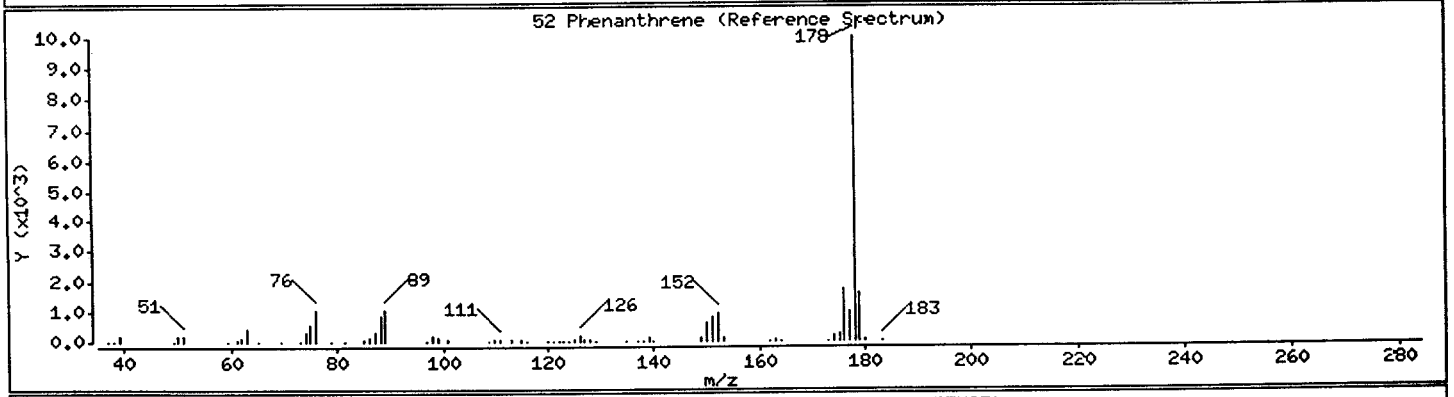
Column diameter: 0.25

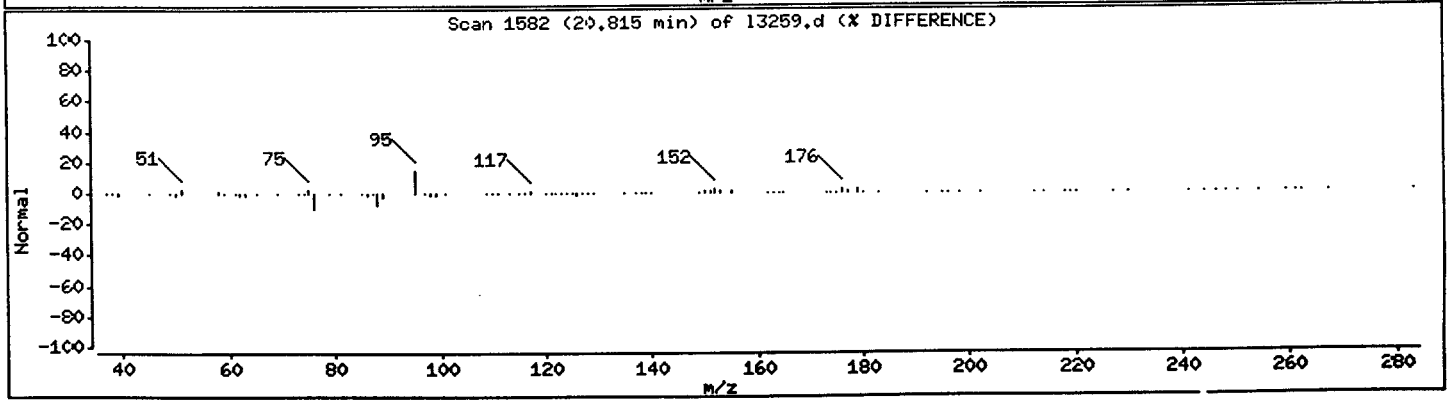
52 Phenanthrene

Concentration: 160 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

Sample Info: 237813;30;2;1;16.3

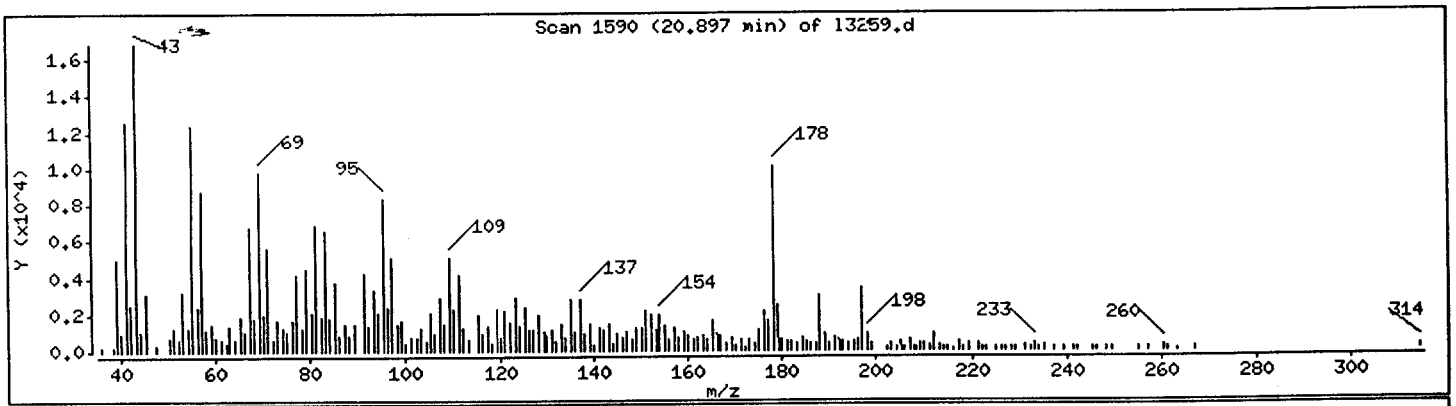
Operator: BNAMS 4

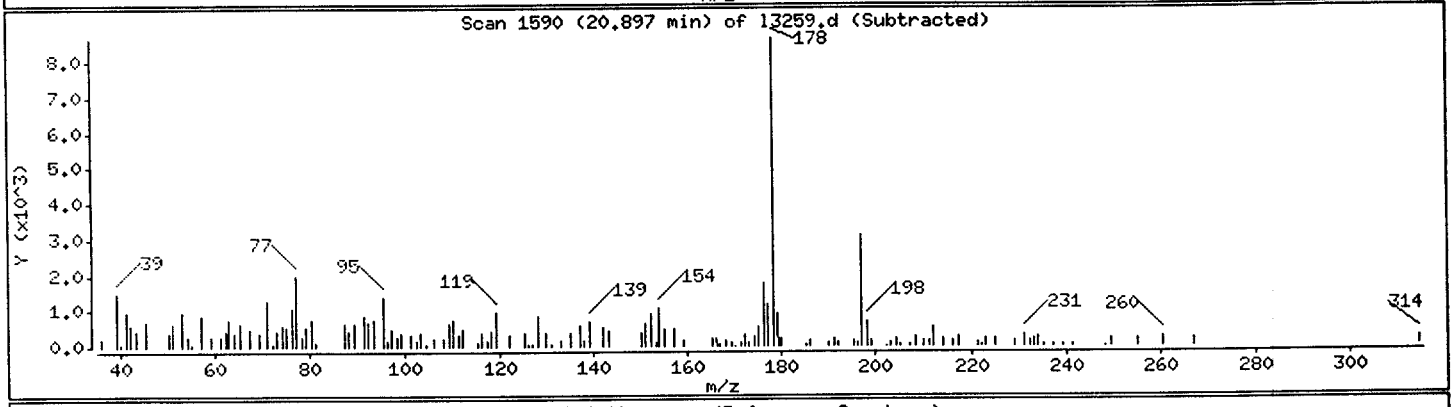
Column phase: DB-5

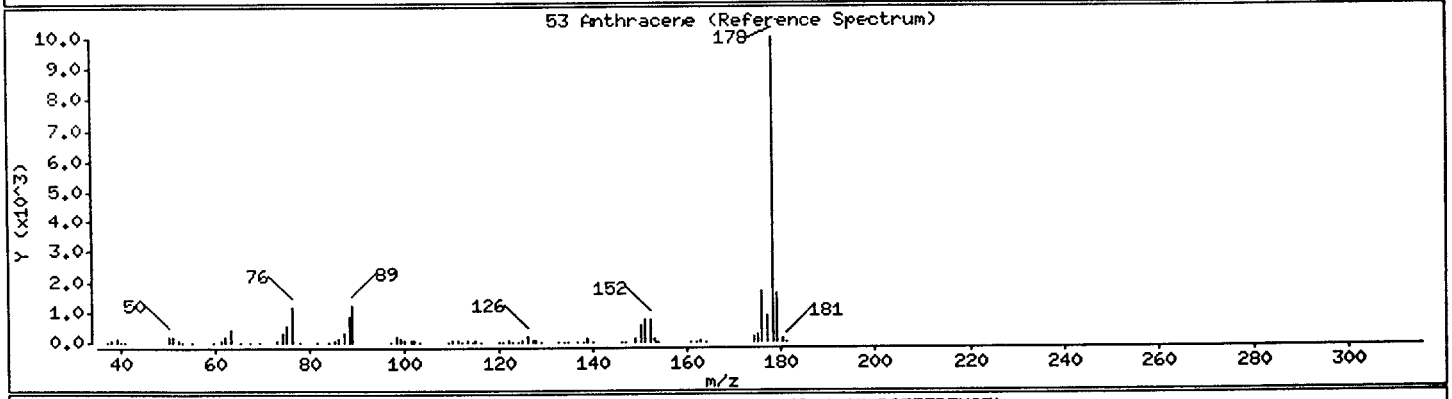
Column diameter: 0.25

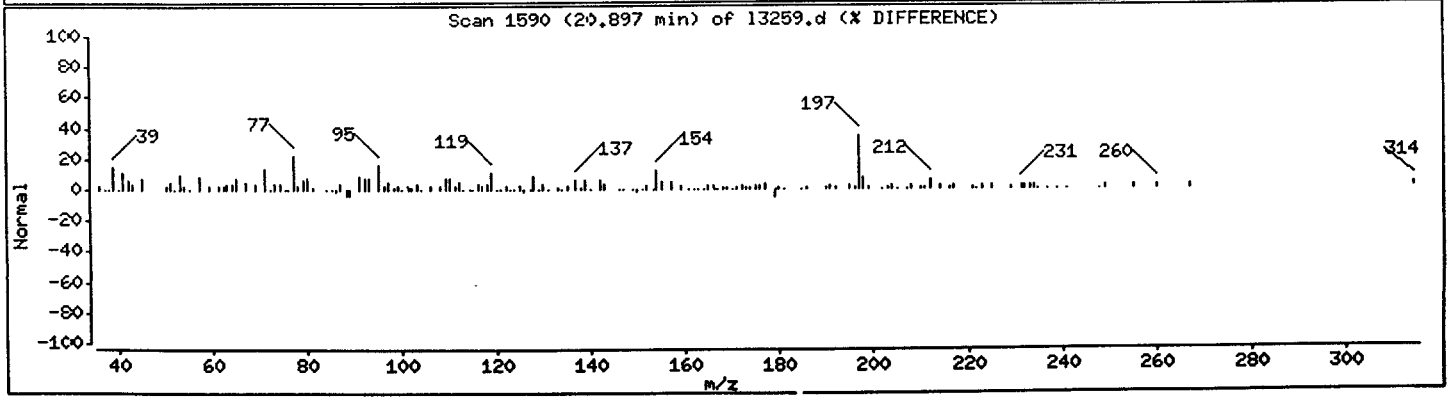
53 Anthracene

Concentration: 31 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

Sample Info: 237813;30;2;1;16.3

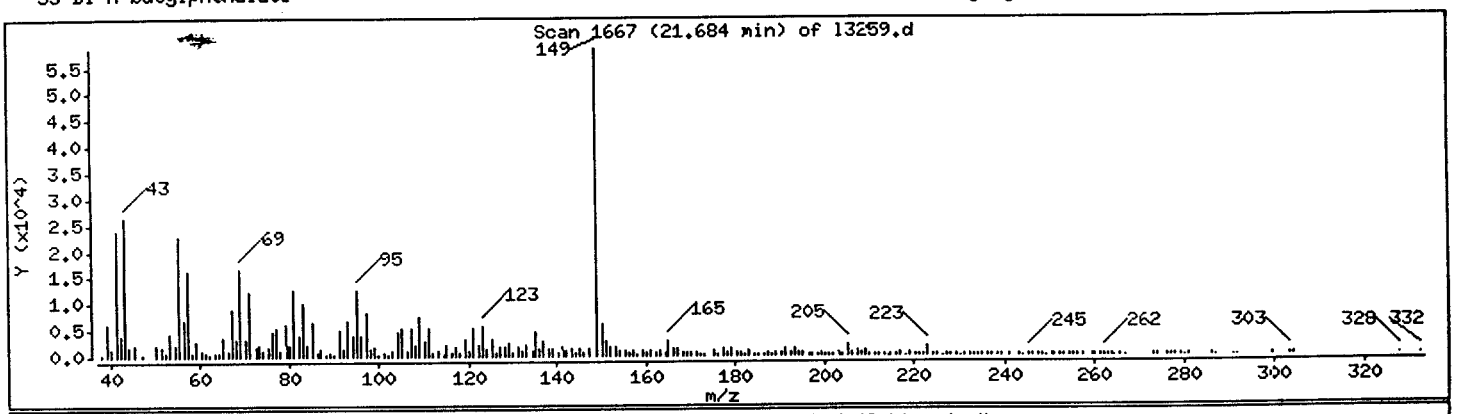
Operator: BNAMS 4

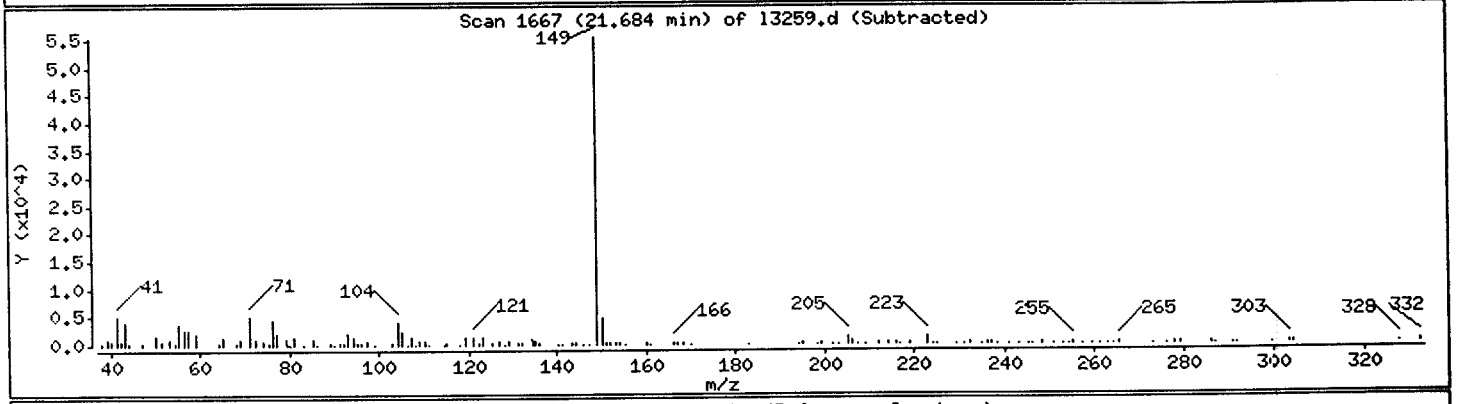
Column phase: DB-5

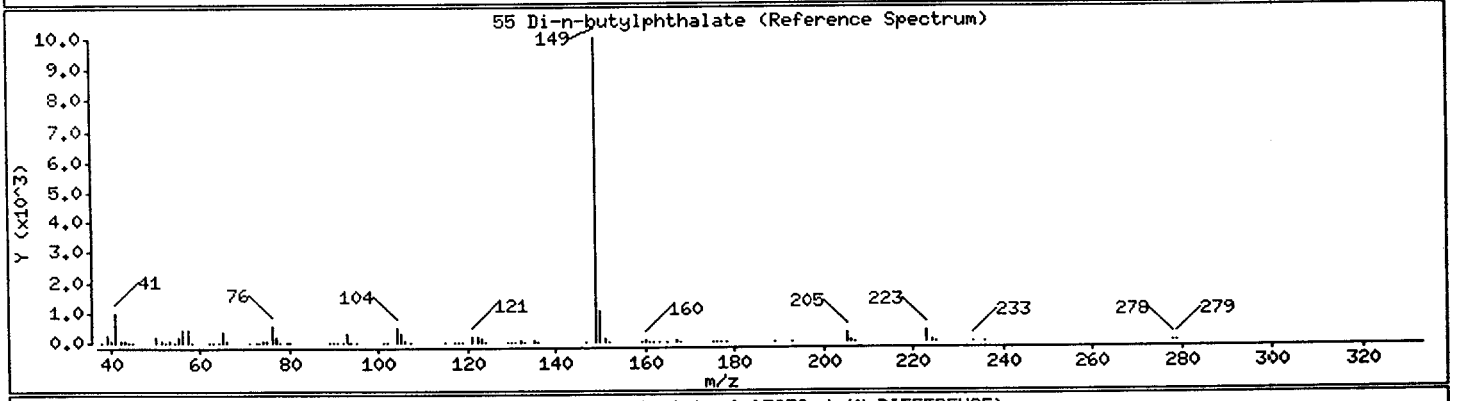
Column diameter: 0.25

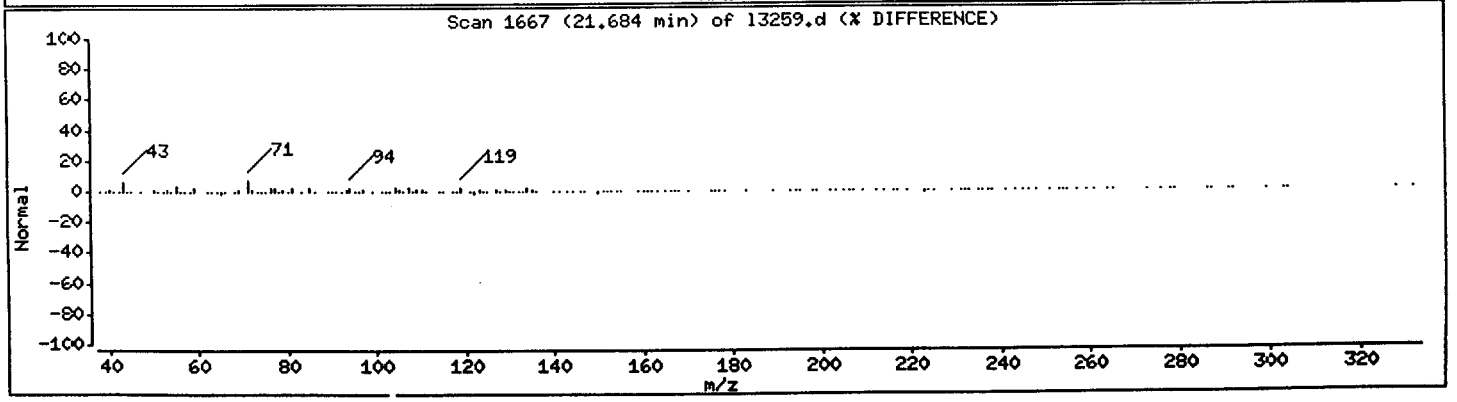
55 Di-n-butylphthalate

Concentration: 95 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

Sample Info: 237813;30;2;1;16.3

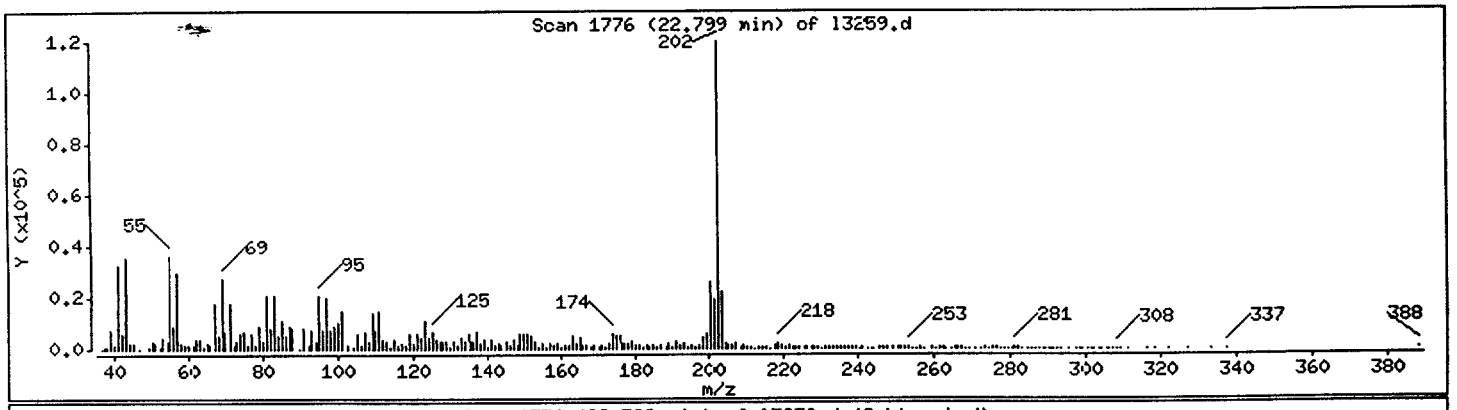
Operator: BNAMS 4

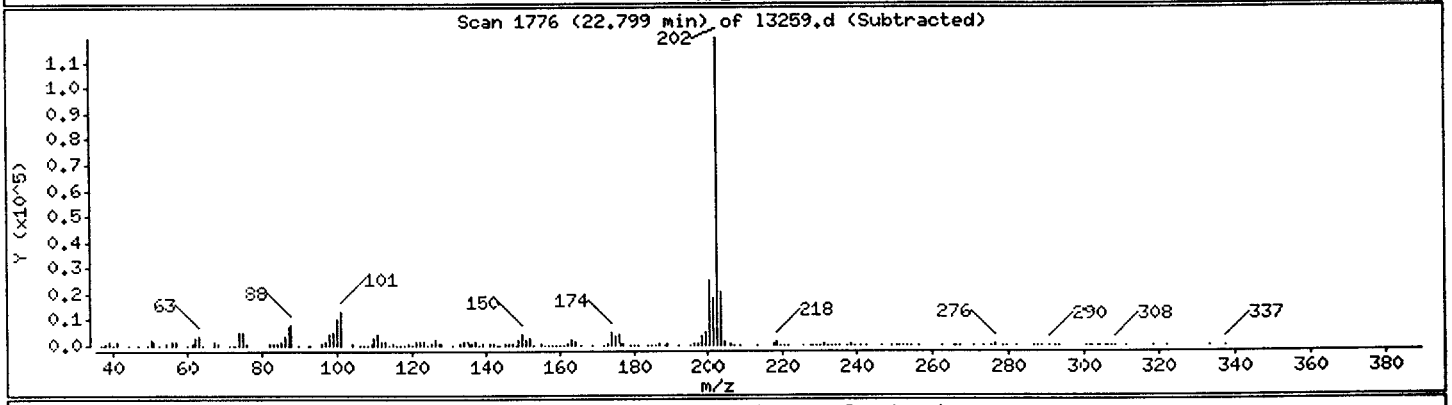
Column phase: DB-5

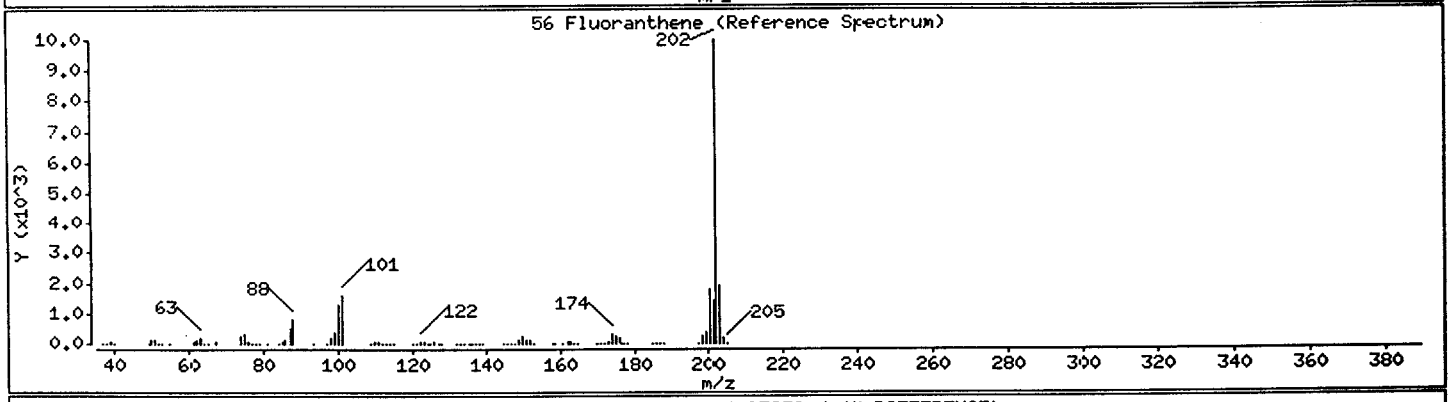
Column diameter: 0.25

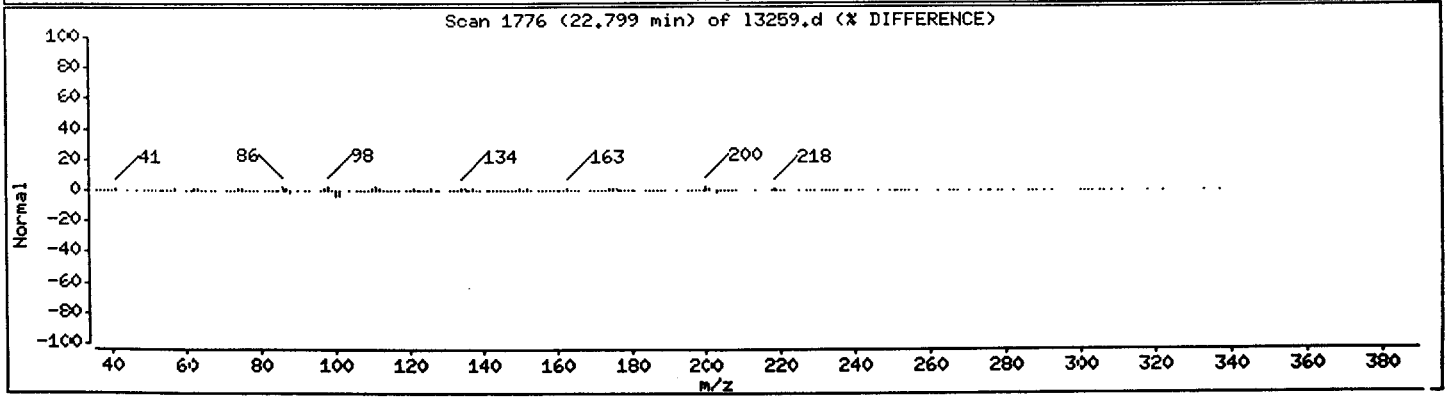
56 Fluoranthene

Concentration: 350 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

Sample Info: 237813;30;2;1;16.3

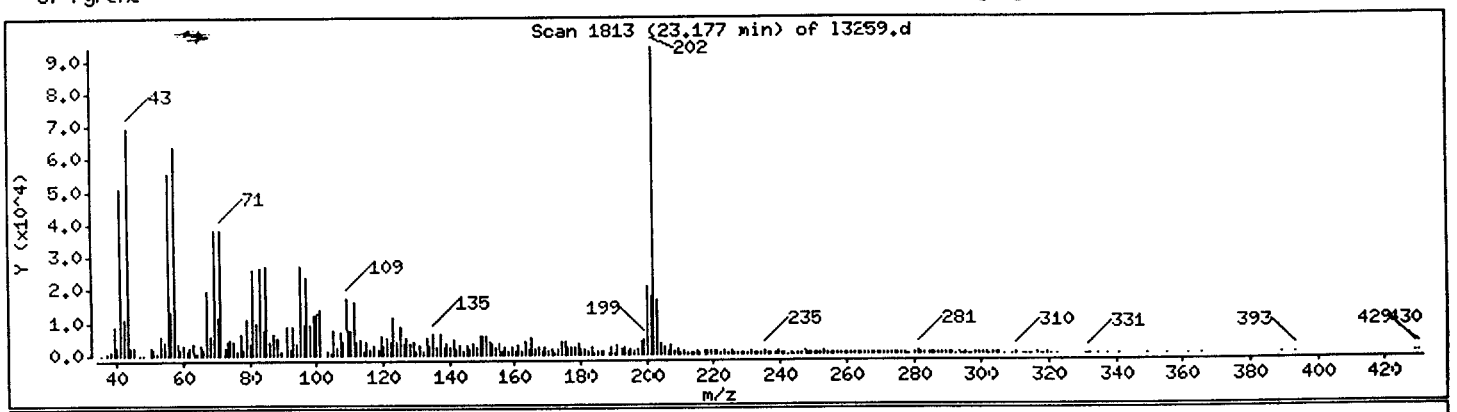
Operator: BNAMS 4

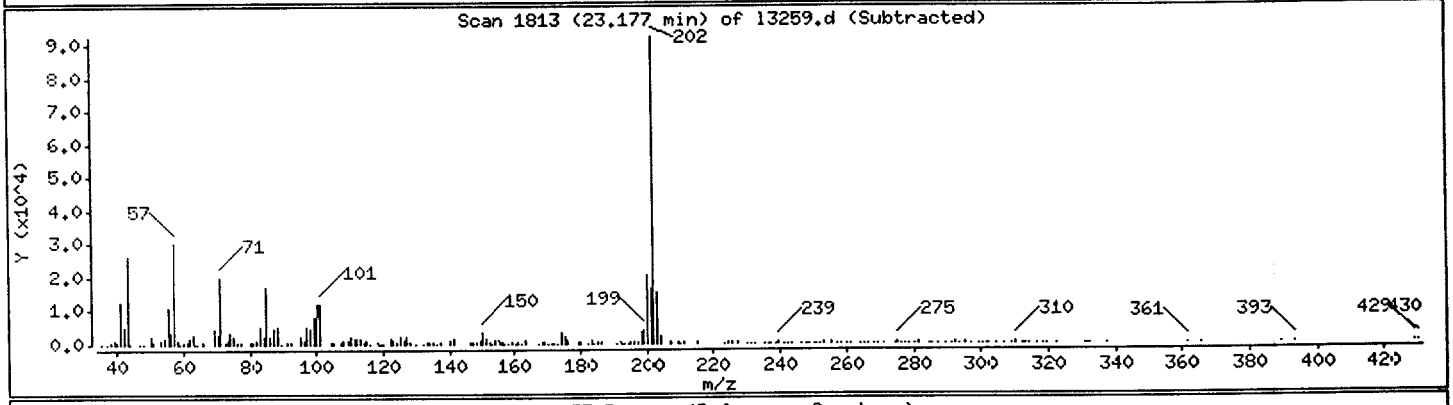
Column phase: DB-5

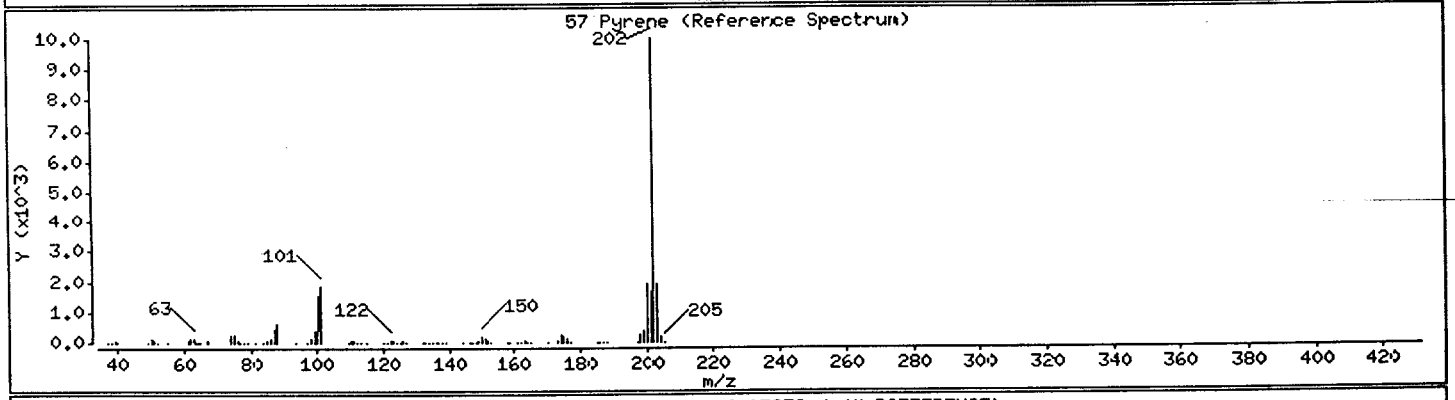
Column diameter: 0.25

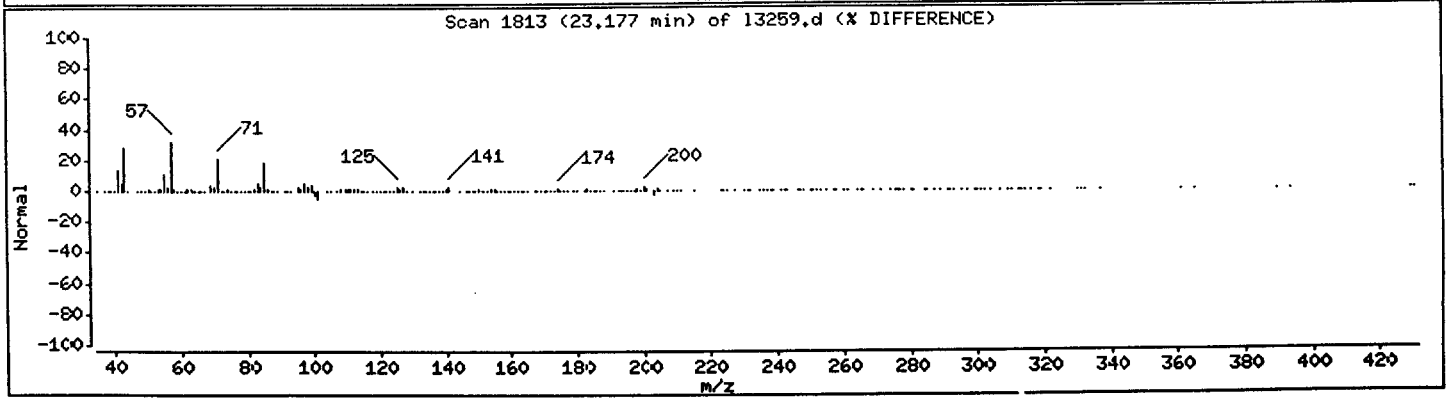
57 Pyrene

Concentration: 360 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

Sample Info: 237813;30;2;1;16.3

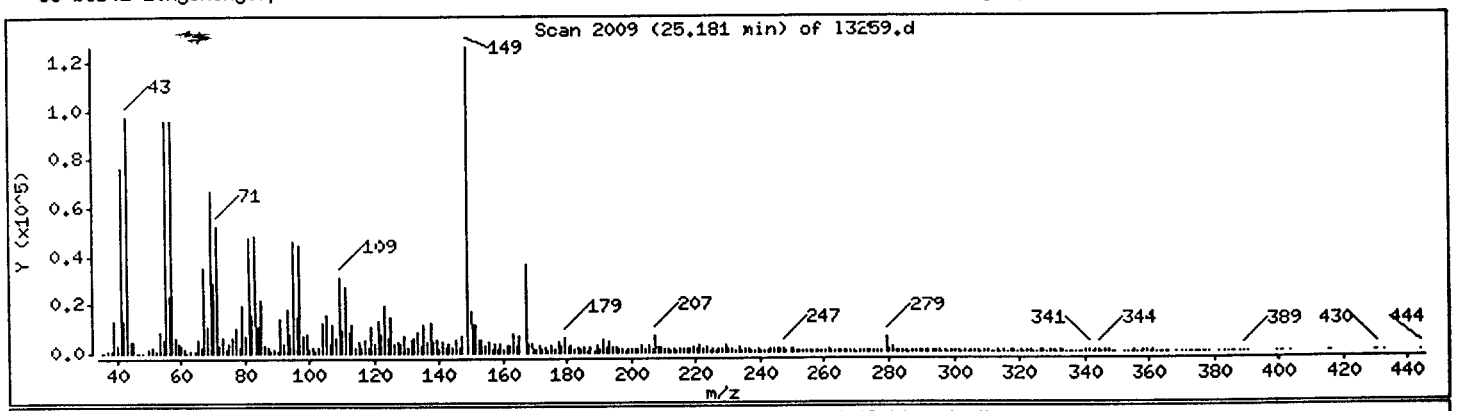
Operator: BNAMS 4

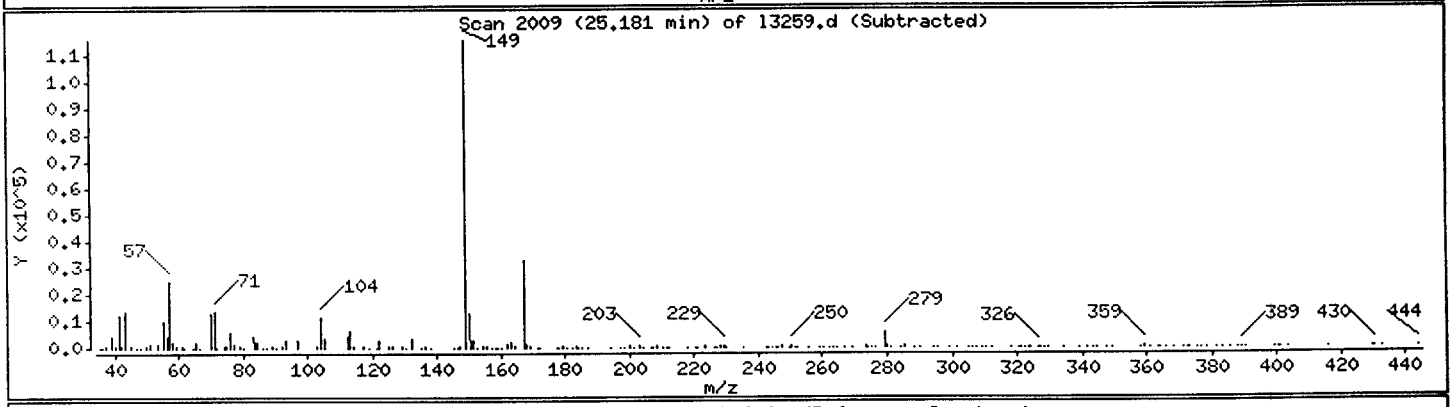
Column phase: DB-5

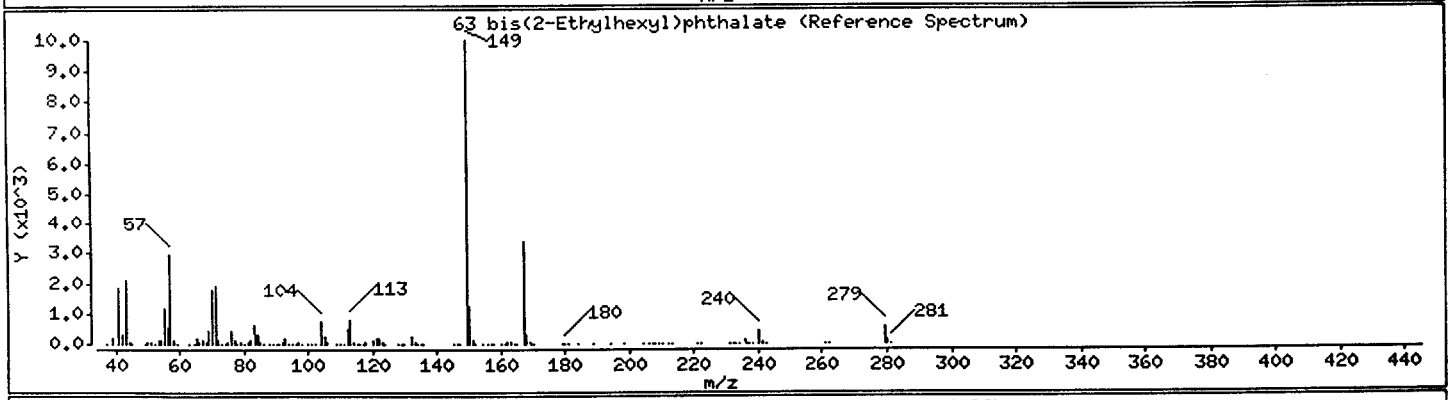
Column diameter: 0.25

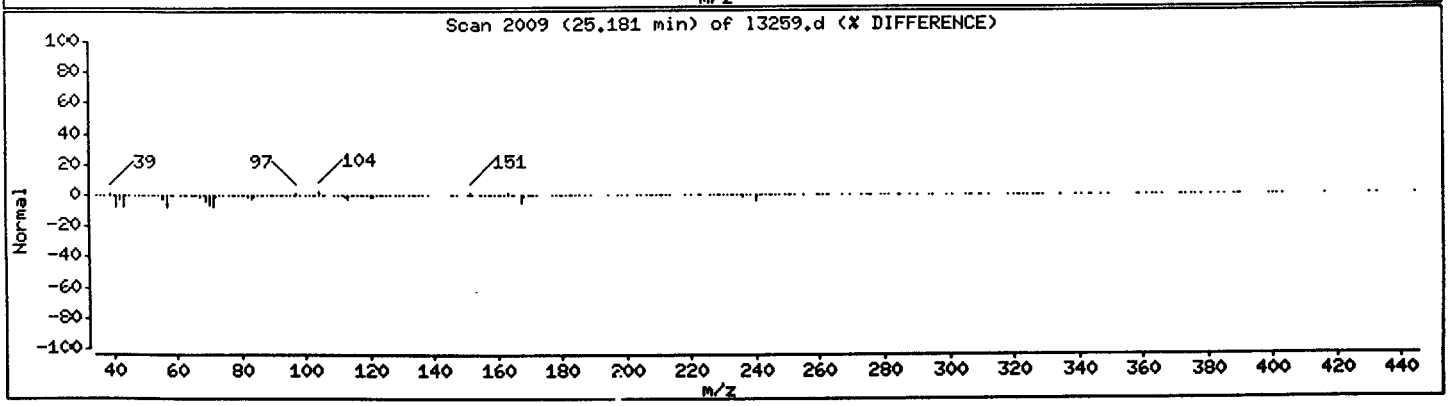
63 bis(2-Ethylhexyl)phthalate

Concentration: 450 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

Sample Info: 237813;30;2;1;16.3

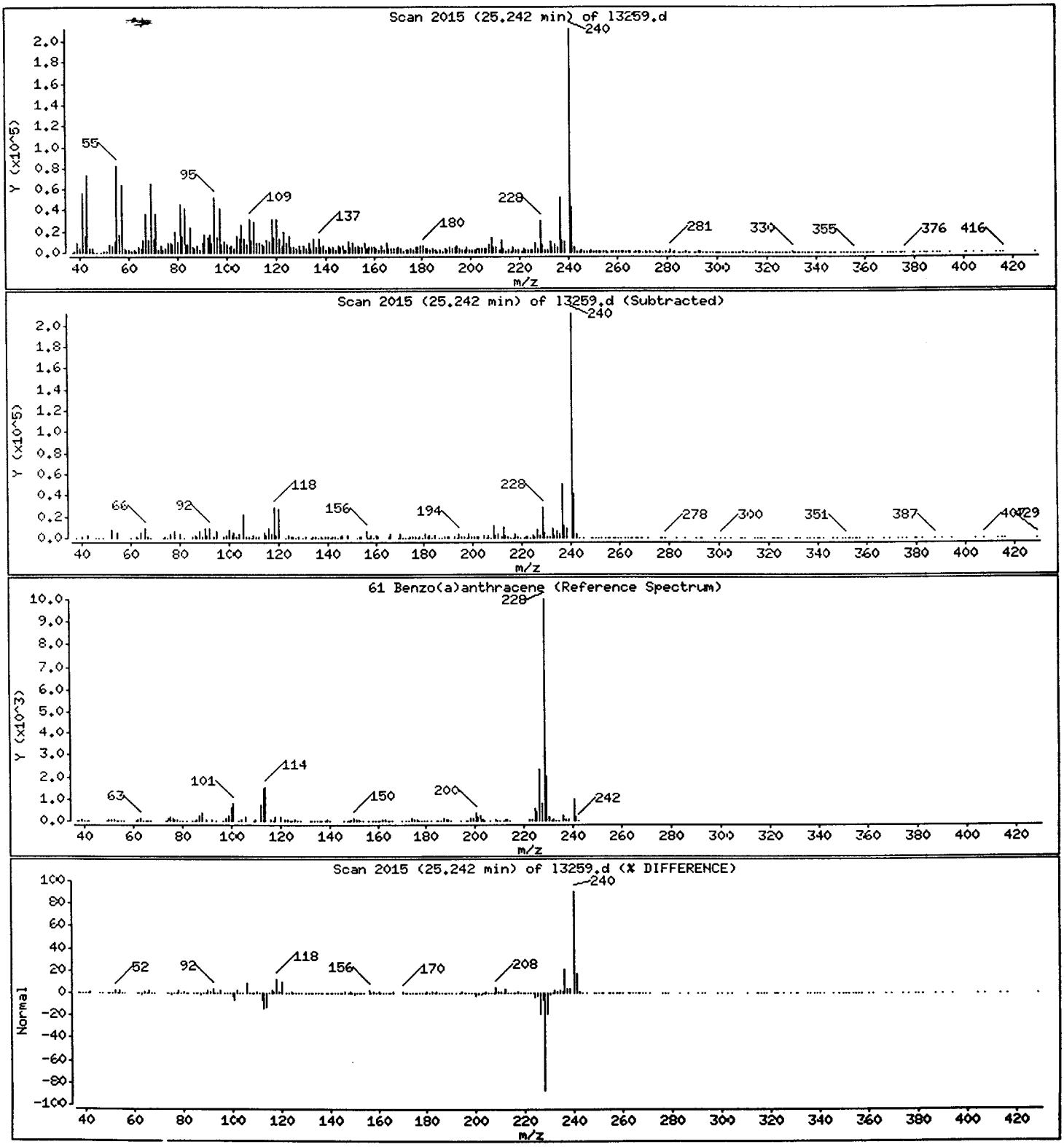
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

61 Benzo(a)anthracene

Concentration: 160 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

Sample Info: 237813;30;2;1;16.3

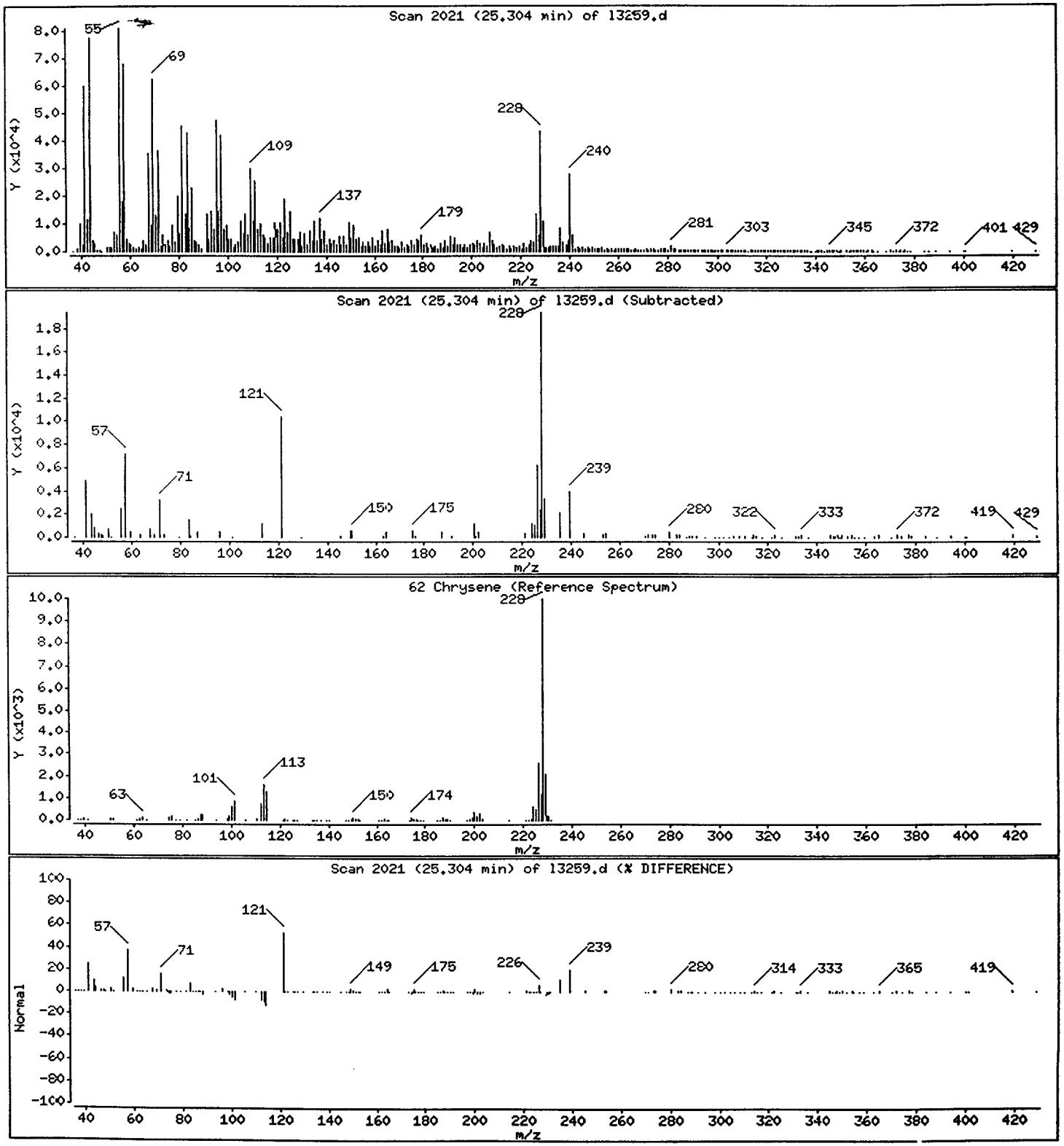
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

62 Chrysene

Concentration: 300 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

Sample Info: 237813;30;2;1;16.3

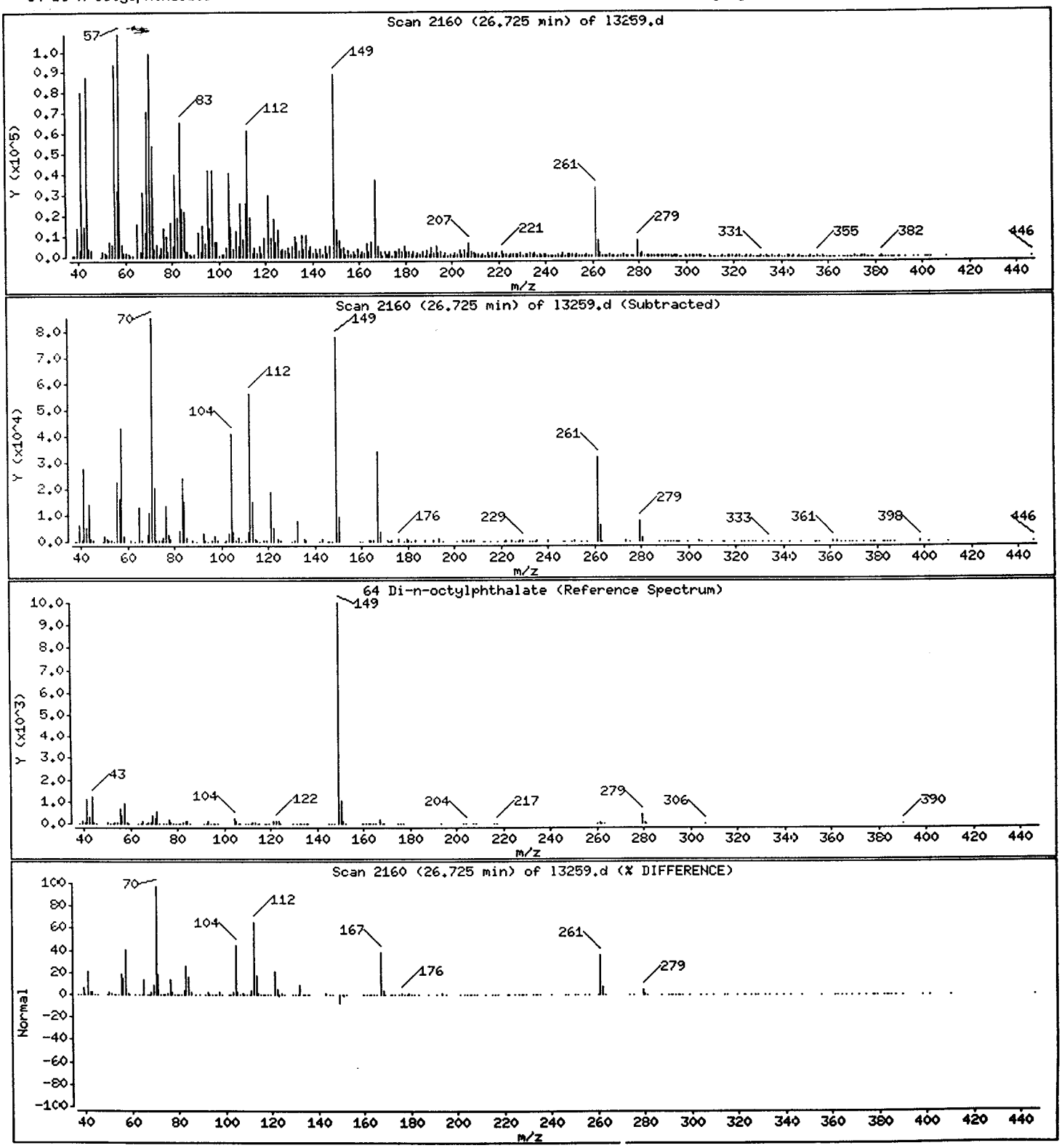
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

64 Di-n-octylphthalate

Concentration: 280 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

Sample Info: 237813;30;2;1;16.3

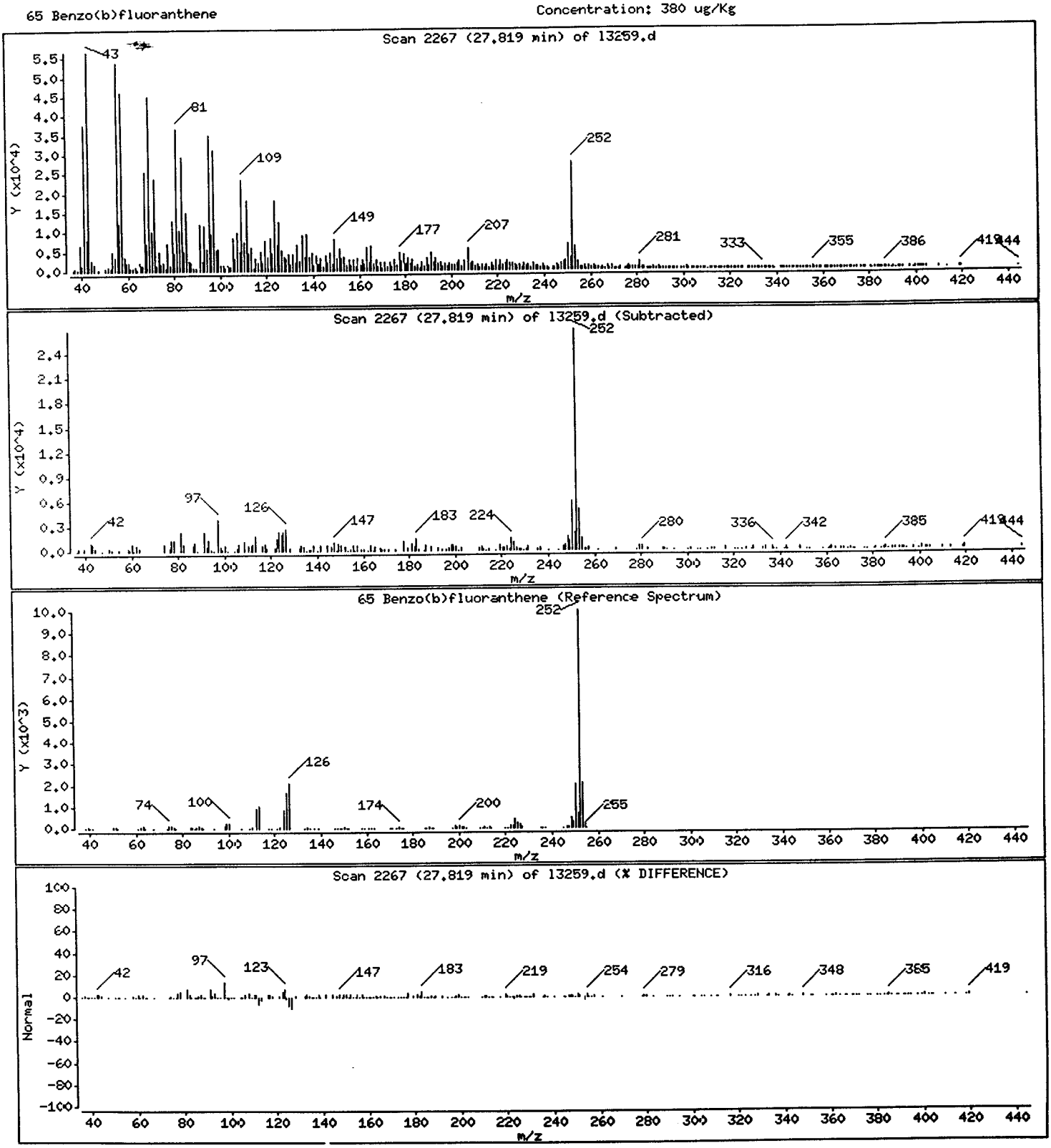
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

65 Benzo(b)fluoranthene

Concentration: 380 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

Sample Info: 237813;30;2;1;16.3

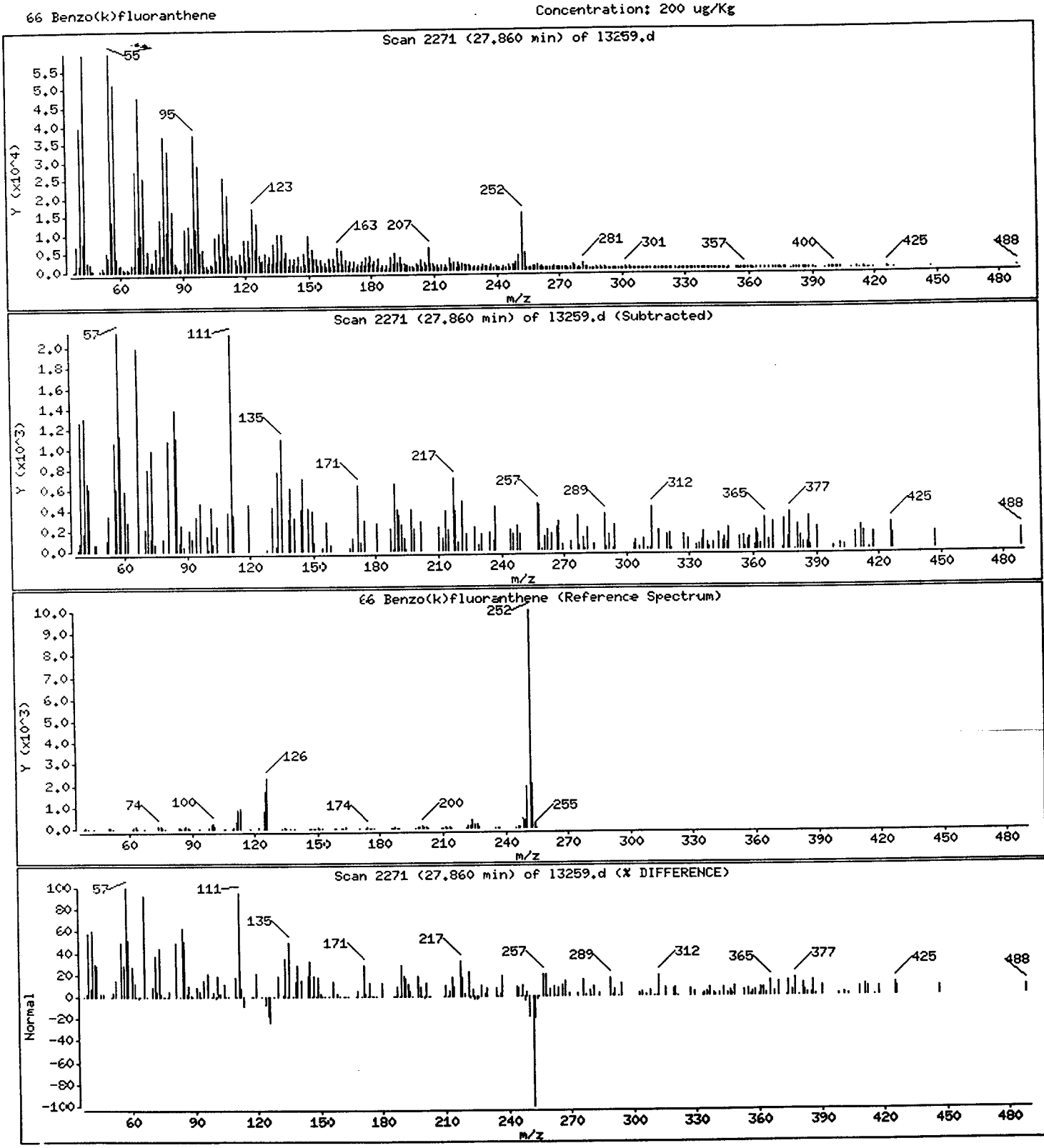
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

66 Benzo(k)fluoranthene

Concentration: 200 ug/Kg



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Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

Sample Info: 237813;30;2;1;16.3

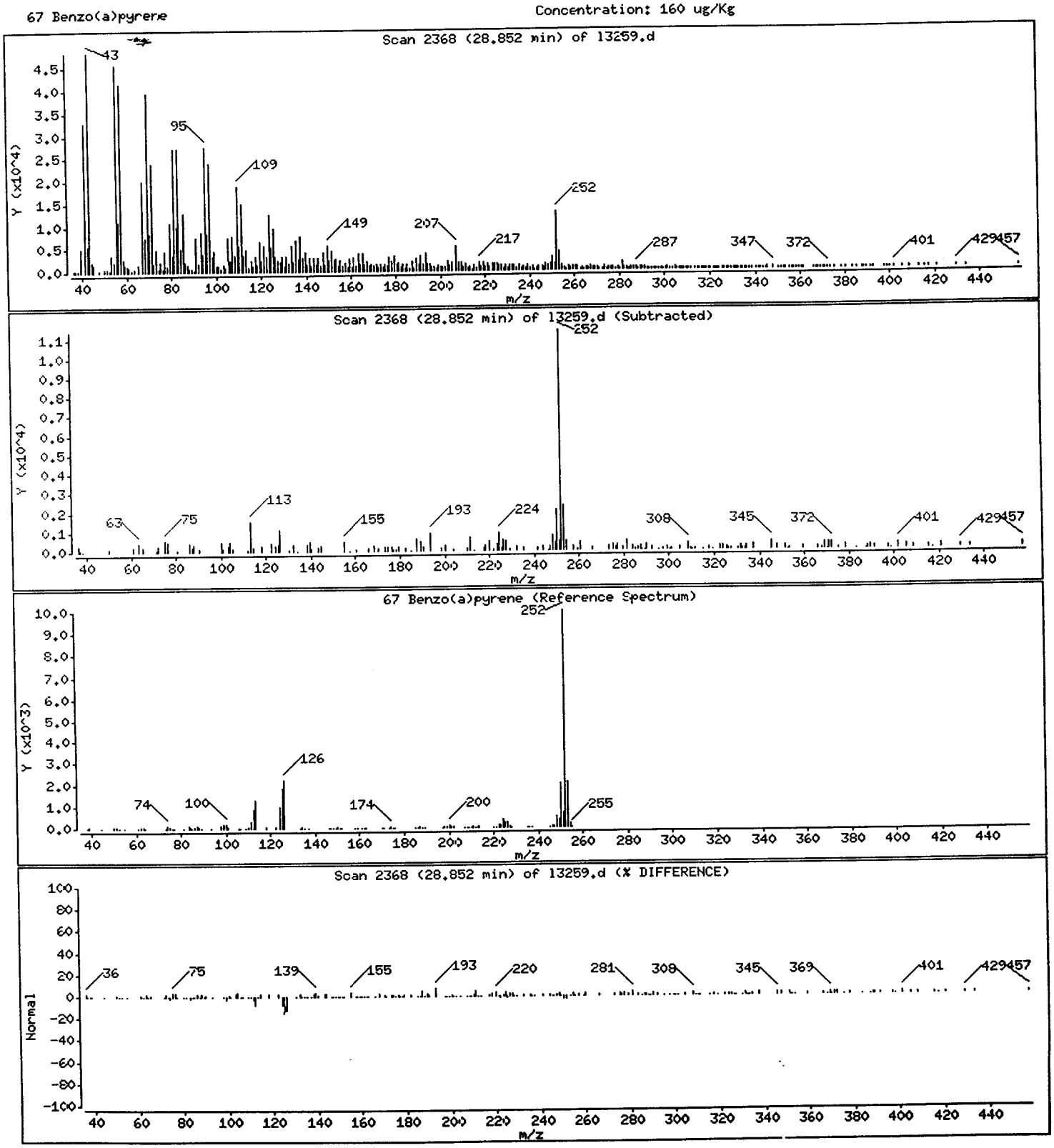
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

67 Benzo(a)pyrene

Concentration: 160 ug/Kg



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Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAHS7.i

Sample Info: 237813;30;2;1;16.3

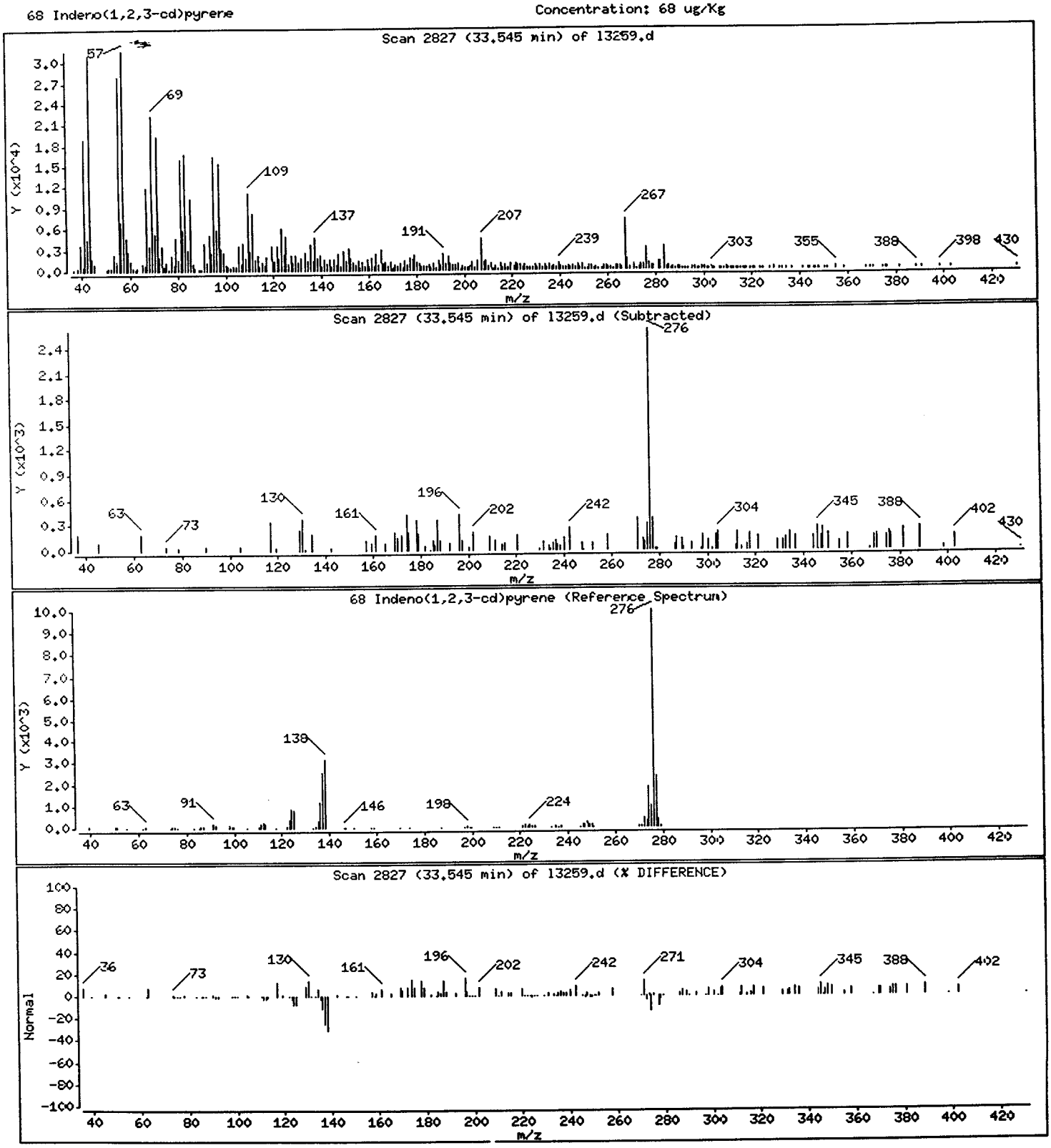
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

68 Indeno(1,2,3-cd)pyrene

Concentration: 68 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

Sample Info: 237813;30;2;1;16.3

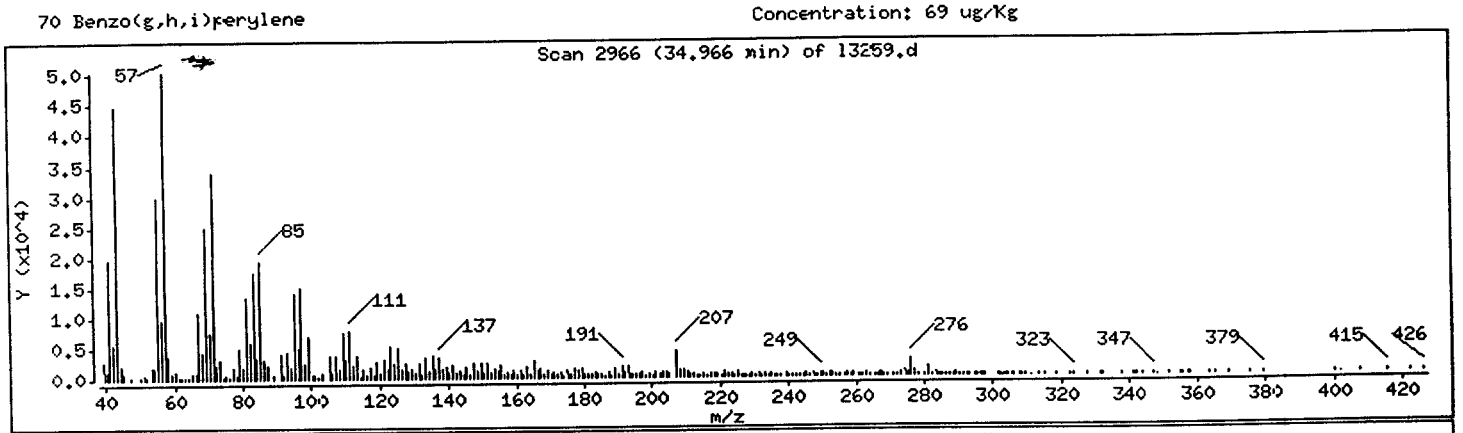
Operator: BNAMS 4

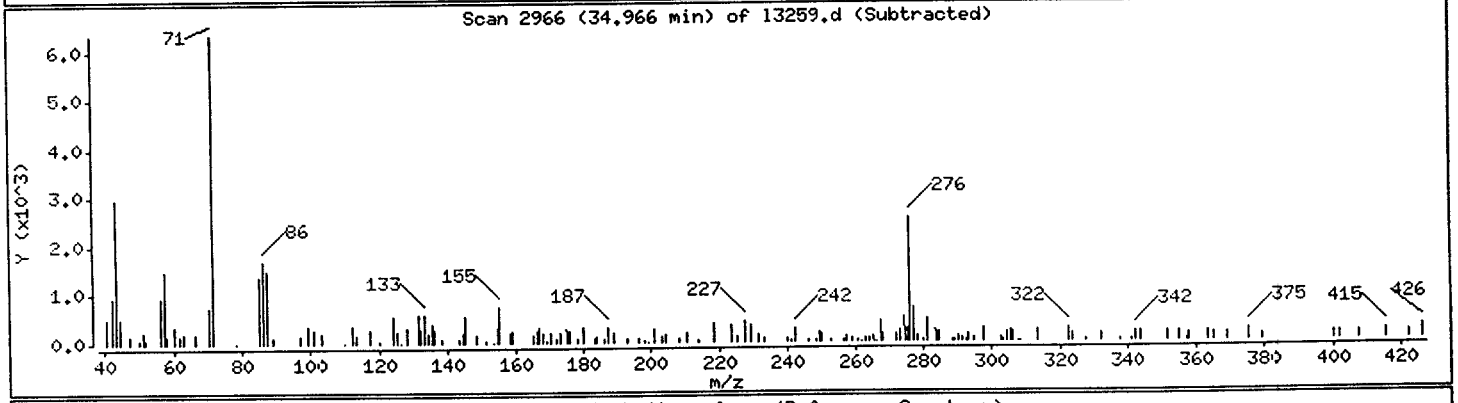
Column phase: DB-5

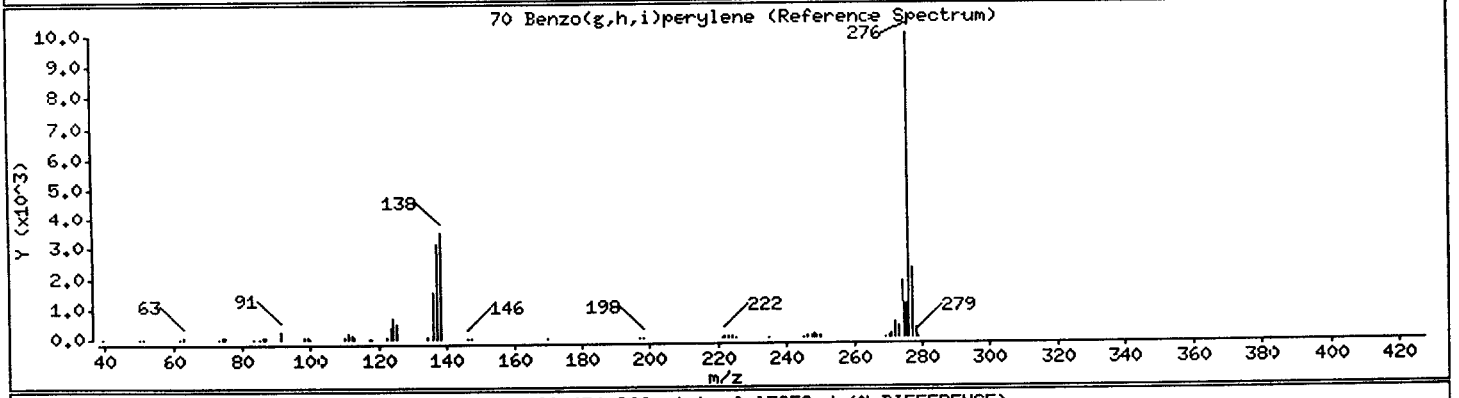
Column diameter: 0.25

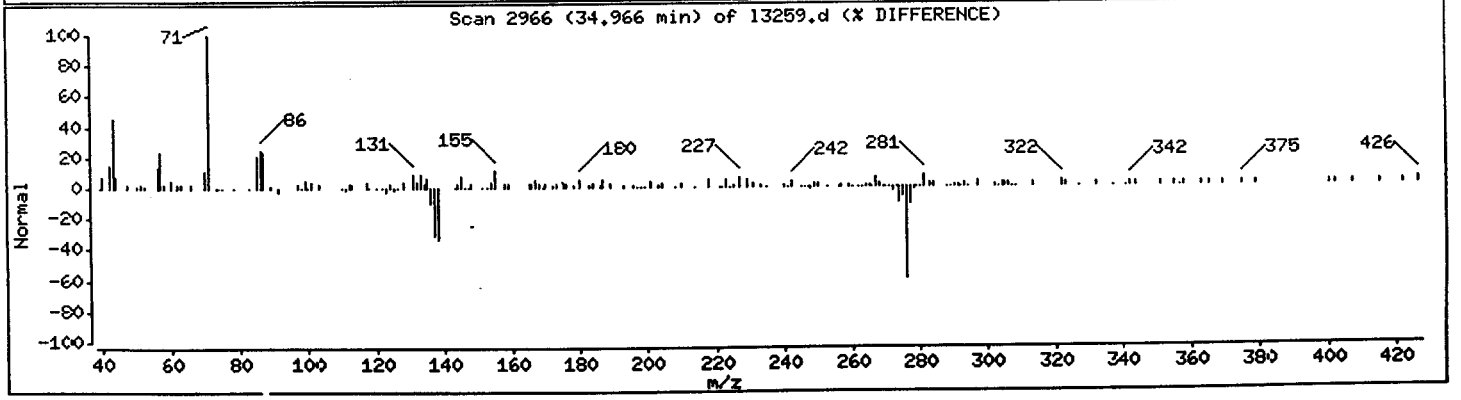
70 Benzo(g,h,i)perylene

Concentration: 69 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

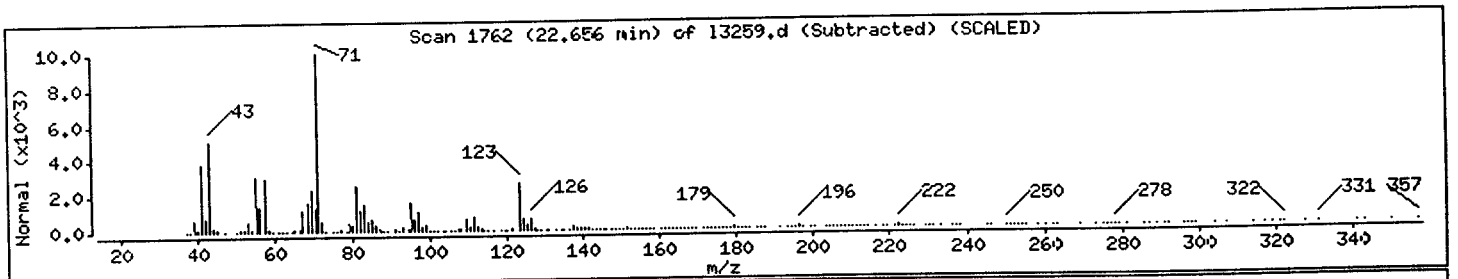
Sample Info: 237813;30;2;1;16.3

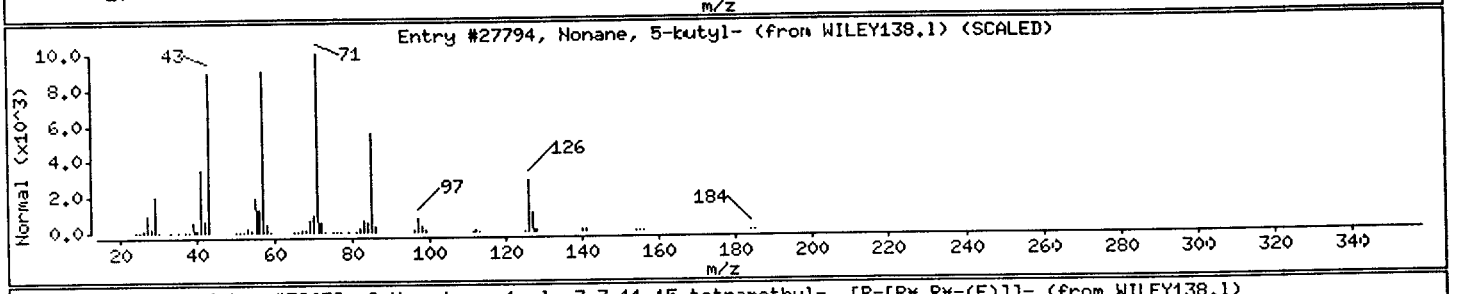
Operator: BNAMS 4

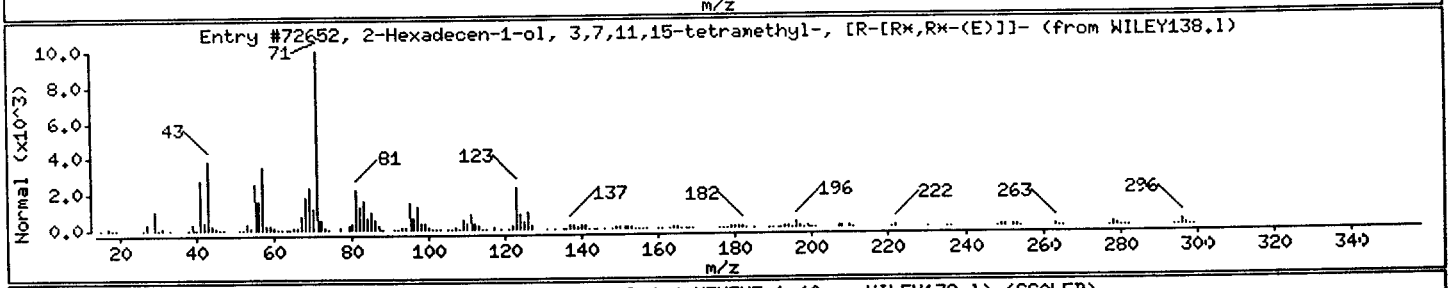
Column phase: DB-5

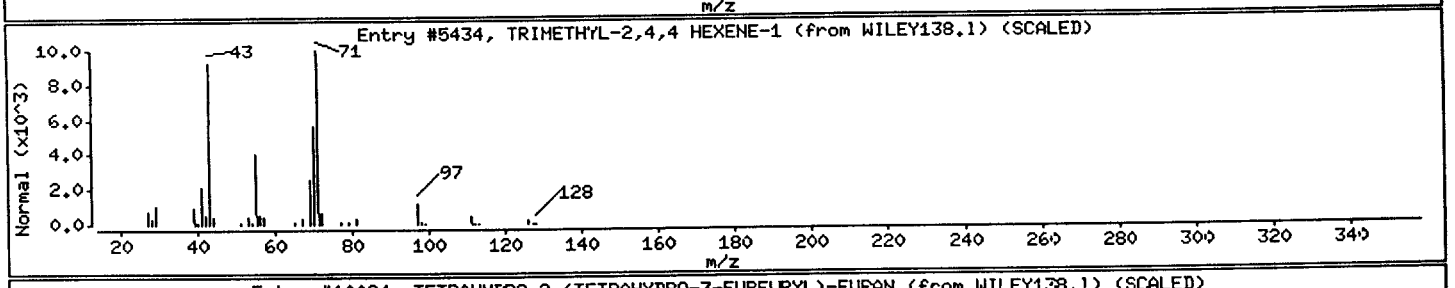
Column diameter: 0.25

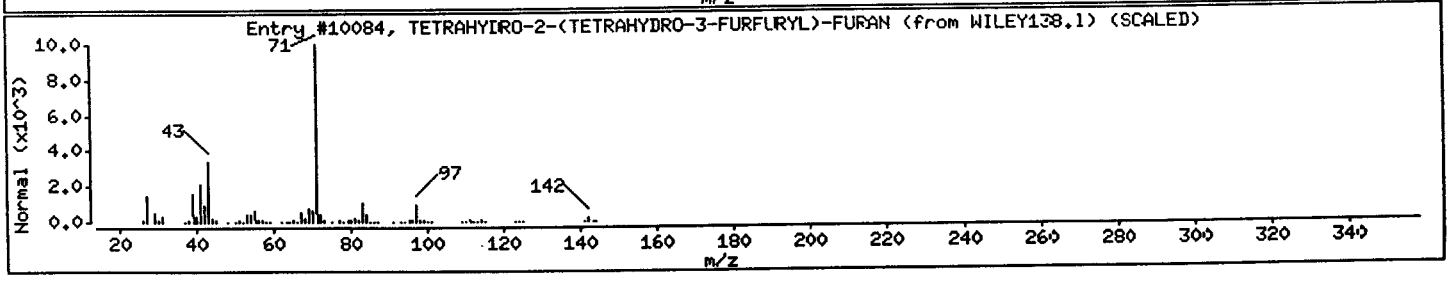
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Nonane, 5-butyl-	17312-63-9	WILEY138.l	27794	53	C13H28	184
2-Hexadecen-1-ol, 3,7,11,15-tetramethyl-	150-86-7	WILEY138.l	72652	52	C20H400	296
TRIMETHYL-2,4,4 HEXENE-1	0-00-0	WILEY138.l	5434	50	C9H18	126
TETRAHYDRO-2-(TETRAHYDRO-3-FURFURYL)-FUR	0-00-0	WILEY138.l	10084	47	C8H1402	142











Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

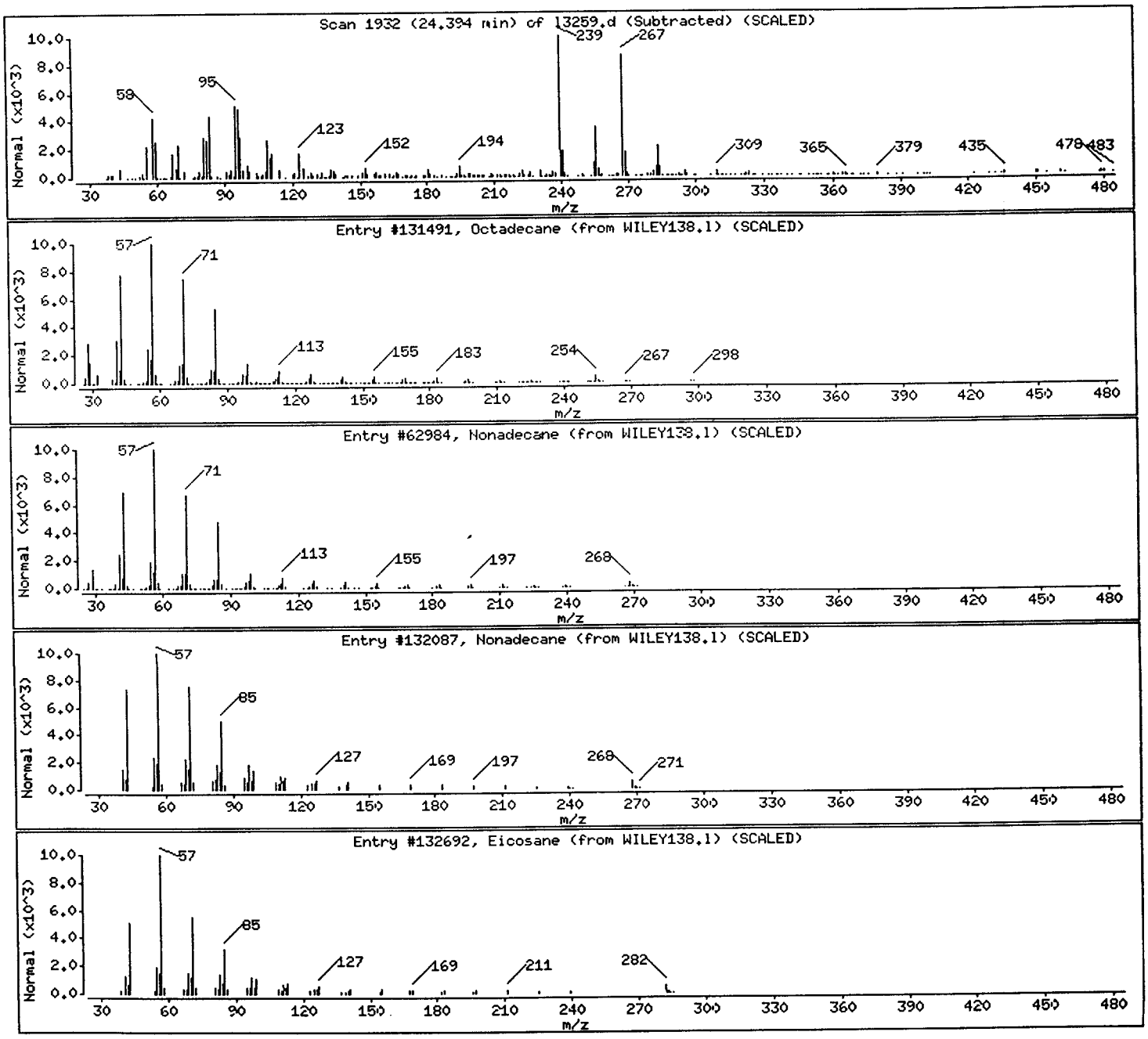
Sample Info: 237813;30;2;1;16.3

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Octadecane	593-45-3	WILEY138.l	131491	97	C18H38	254
Nonadecane	629-92-5	WILEY138.l	62984	94	C19H40	268
Nonadecane	629-92-5	WILEY138.l	132087	93	C19H40	268
Eicosane	112-95-8	WILEY138.l	132692	93	C20H42	282



Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

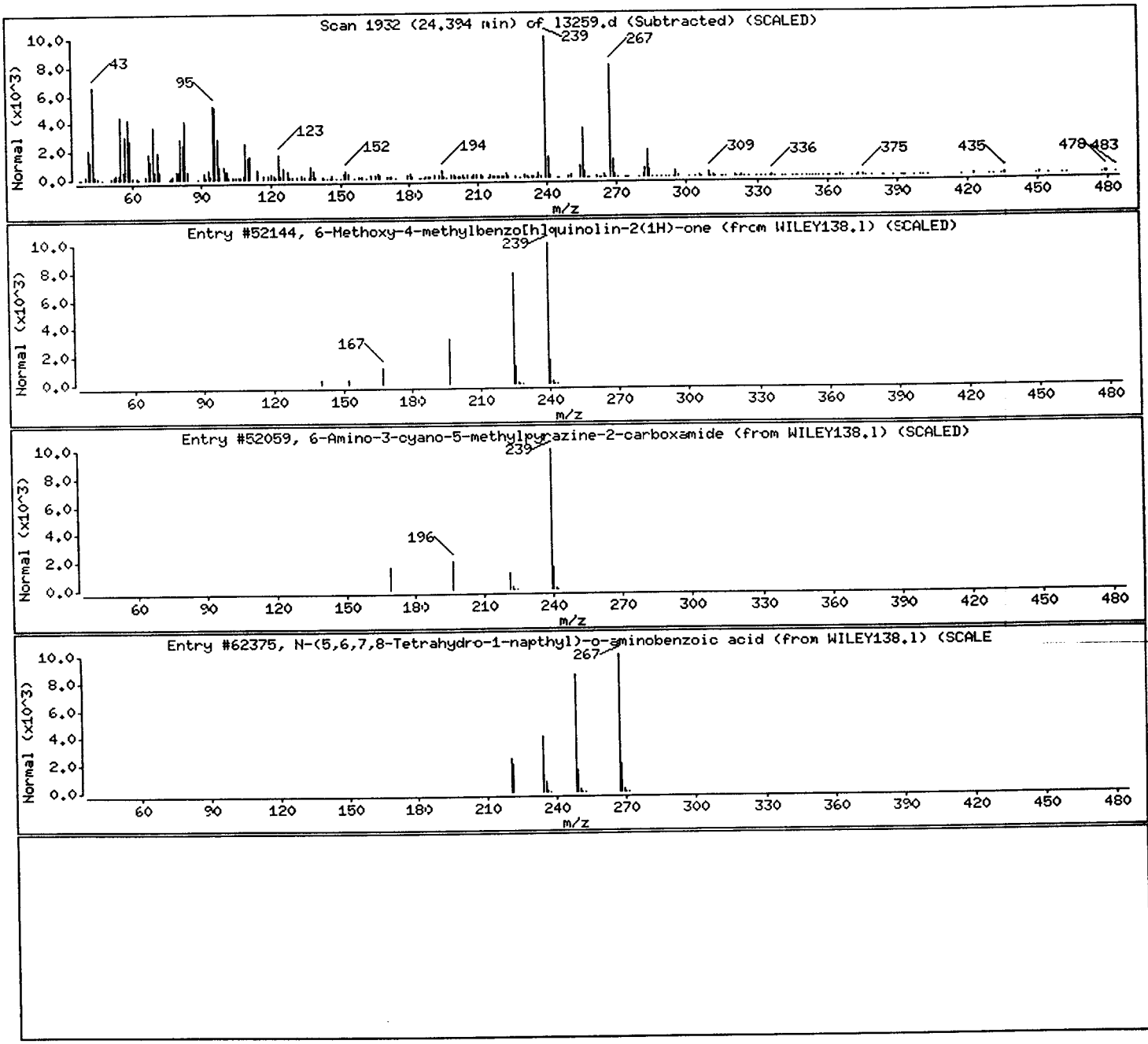
Sample Info: 237813;30;2;1;16.3

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
6-Methoxy-4-methylbenzo[h]quinolin-2(1H)	92599-07-0	WILEY138.l	52144	35	C15H13NO2	239
6-Amino-3-cyano-5-methylpyrazine-2-carbo	68568-25-2	WILEY138.l	52059	25	C12H9N5O	239
N-(5,6,7,8-Tetrahydro-1-napthyl)-o-amino	18201-57-5	WILEY138.l	62375	25	C17H17NO2	267



Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

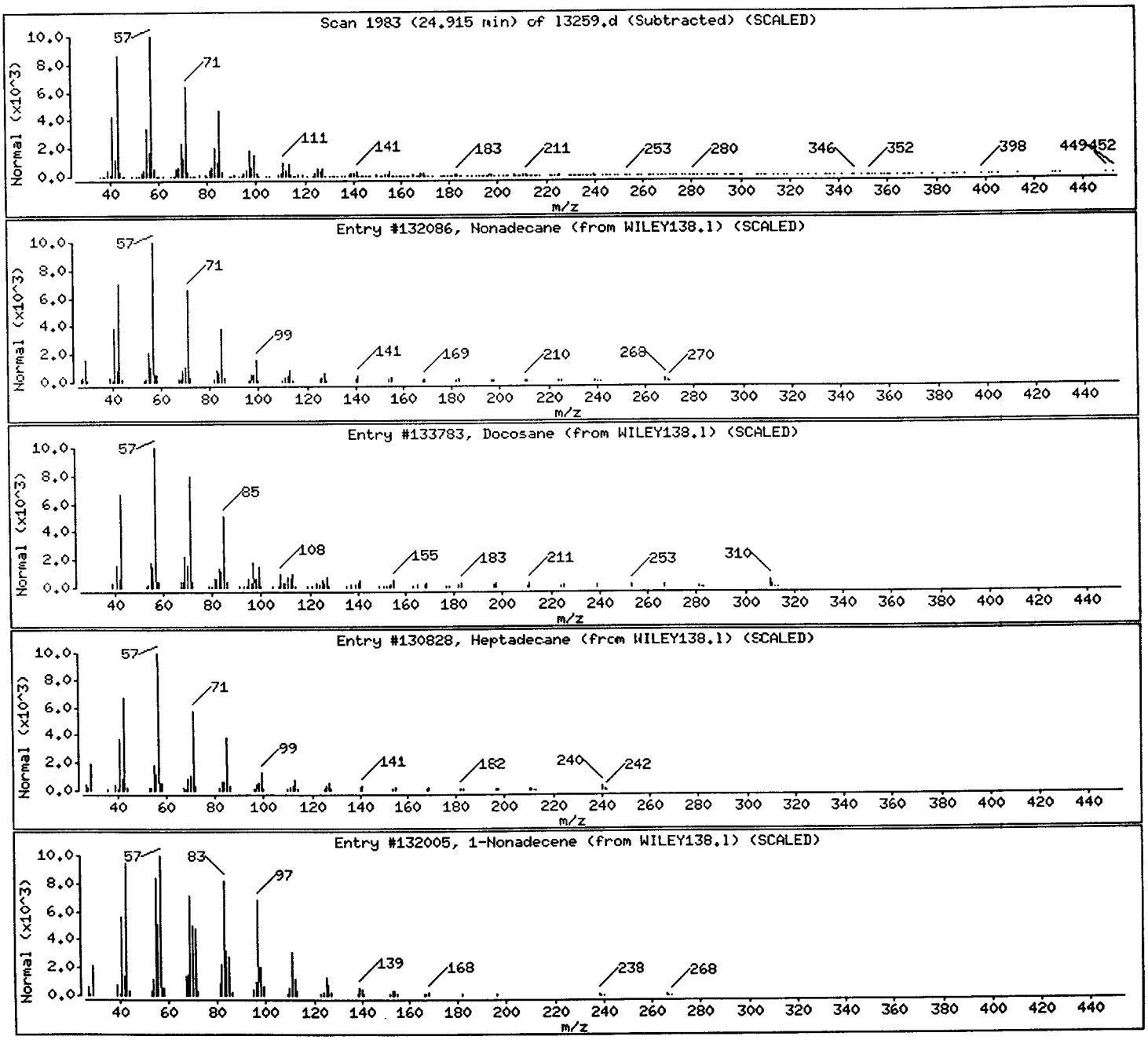
Sample Info: 237813;30;2;1;16.3

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Nonadecane	629-92-5	WILEY138.l	132086	95	C19H40	268
Docosane	629-97-0	WILEY138.l	133783	94	C22H46	310
Heptadecane	629-78-7	WILEY138.l	130828	94	C17H36	240
1-Nonadecene	18435-45-5	WILEY138.l	132005	93	C19H38	266



Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

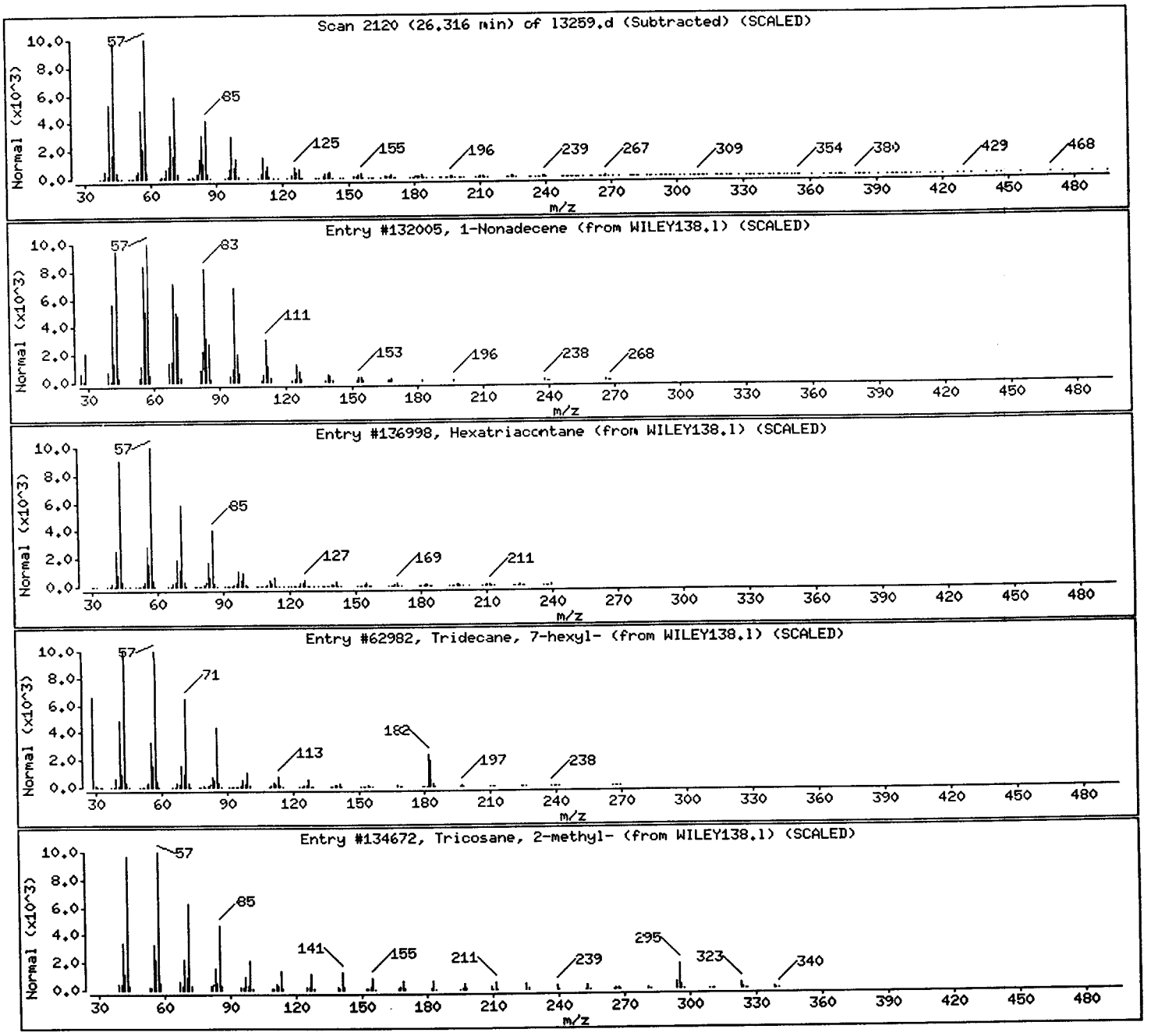
Sample Info: 237813;30;2;1;16.3

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
1-Nonadecene	18435-45-5	WILEY138.l	132005	90	C19H38	266
Hexatriacontane	630-06-8	WILEY138.l	136998	87	C36H74	507
Tridecane, 7-hexyl-	7225-66-3	WILEY138.l	62982	86	C19H40	268
Tricosane, 2-methyl-	1928-30-9	WILEY138.l	134672	86	C24H50	338



Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

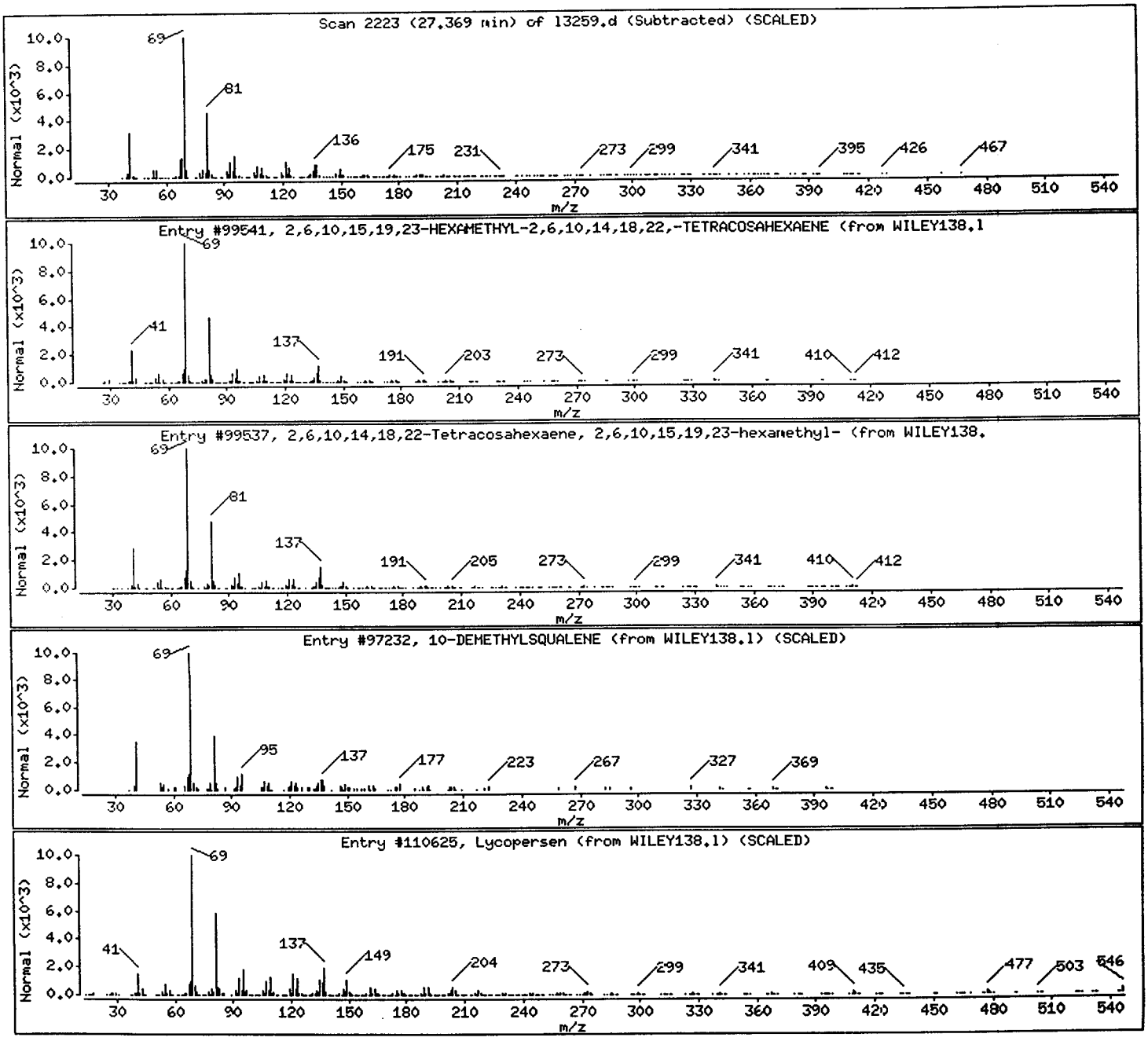
Sample Info: 237813;30;2;1;16.3

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2,6,10,15,19,23-HEXAMETHYL-2,6,10,14,18,	0-00-0	WILEY138.l	99541	91	C30H50	410
2,6,10,14,18,22-Tetracosahexaene, 2,6,10	7683-64-9	WILEY138.l	99537	90	C30H50	410
10-DEMETHYLSQUALENE	59681-06-0	WILEY138.l	97232	90	C29H48	396
Lycopersen	502-62-5	WILEY138.l	110625	83	C40H66	547



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Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

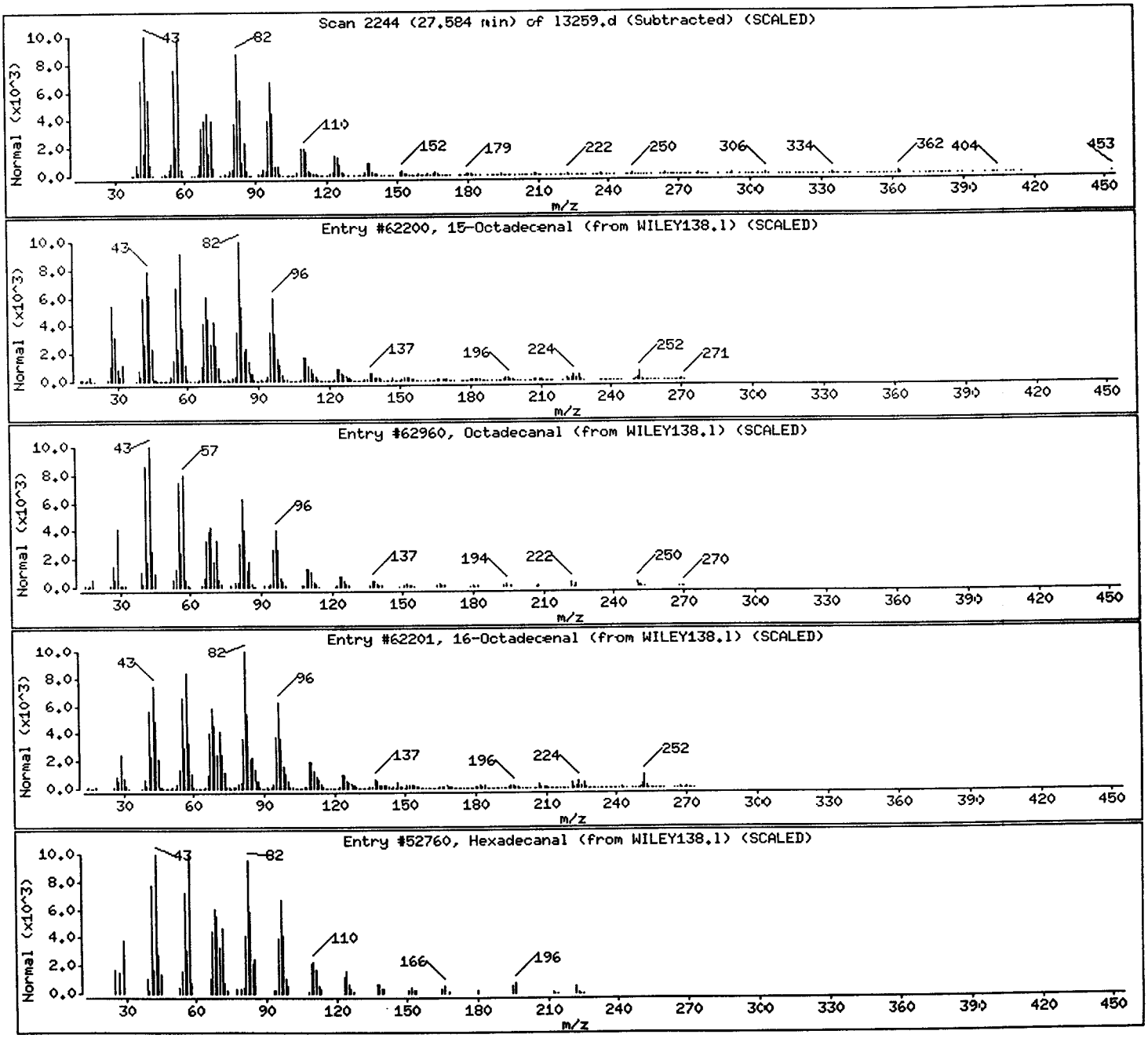
Sample Info: 237813;30;2;1;16.3

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
15-Octadecenal	56554-93-9	WILEY138.l	62200	93	C18H340	266
Octadecanal	638-66-4	WILEY138.l	62960	90	C18H360	268
16-Octadecenal	56554-87-1	WILEY138.l	62201	87	C18H340	266
Hexadecanal	629-80-1	WILEY138.l	52760	86	C16H320	240



Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

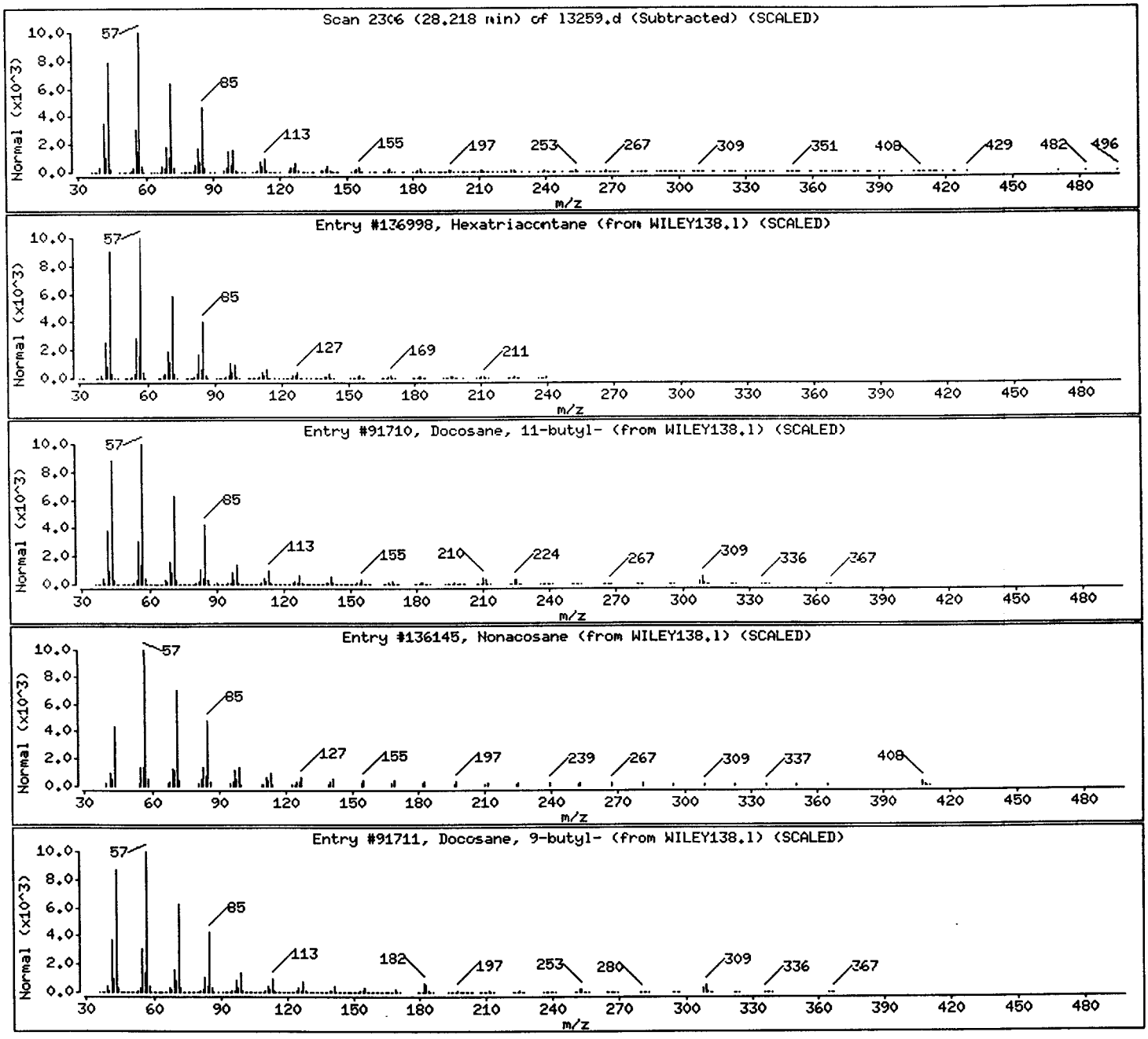
Sample Info: 237813;30;2;1;16.3

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexatriacontane	630-06-8	WILEY138.l	136998	95	C36H74	507
Docosane, 11-butyl-	13475-76-8	WILEY138.l	91710	94	C26H54	366
Nonacosane	630-03-5	WILEY138.l	136145	94	C29H60	408
Docosane, 9-butyl-	55282-14-9	WILEY138.l	91711	93	C26H54	366



Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

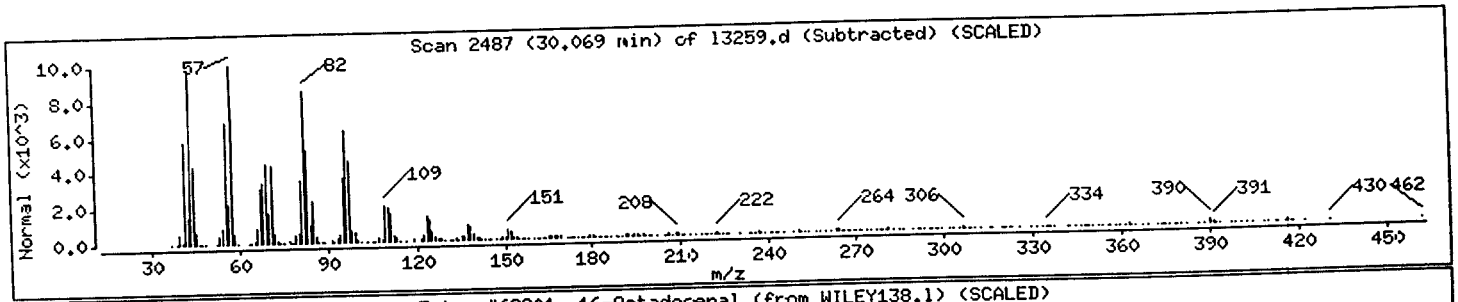
Sample Info: 237813;30;2;1;16.3

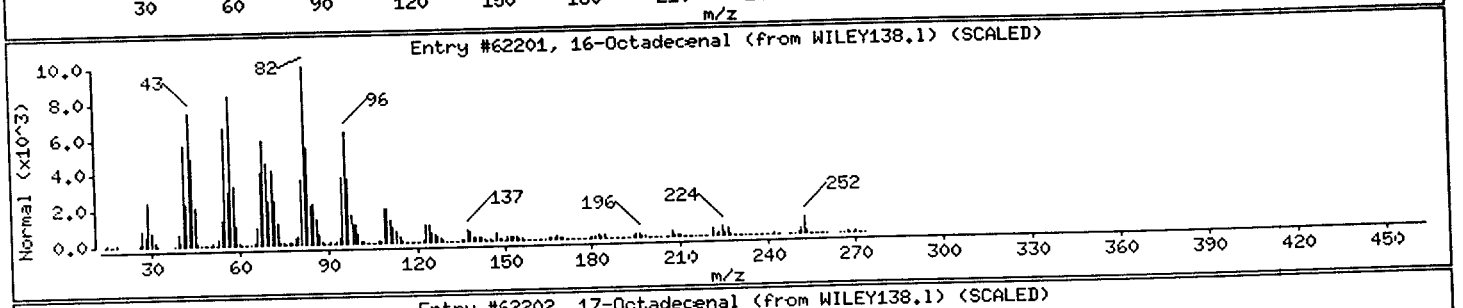
Operator: BNAMS 4

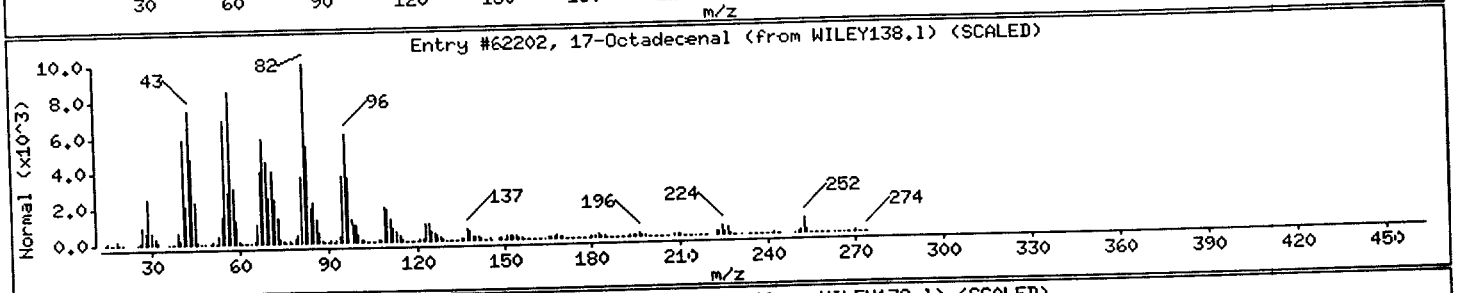
Column phase: DB-5

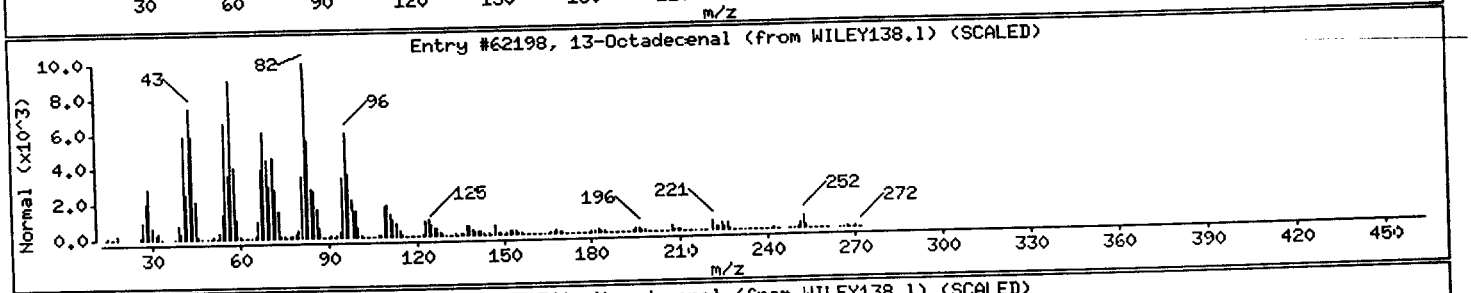
Column diameter: 0.25

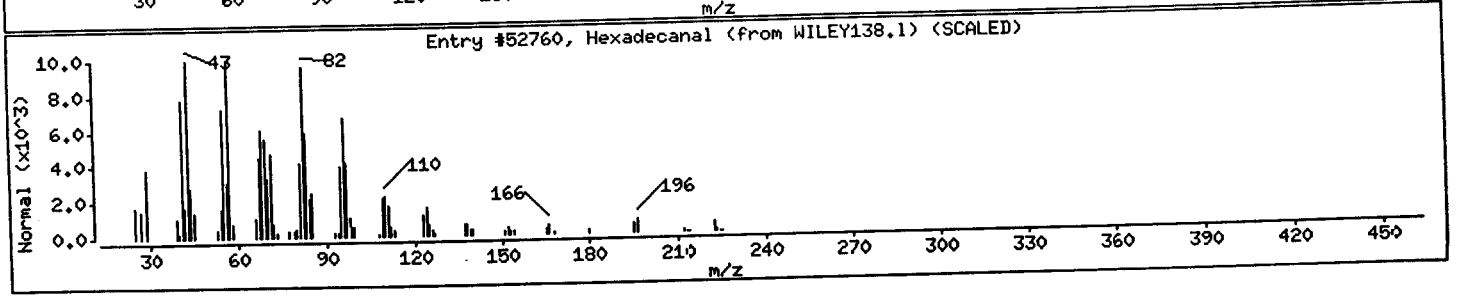
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Hydrocarbon						
16-Octadecenal	56554-87-1	WILEY138.1	62201	94	C18H340	266
17-Octadecenal	56554-86-0	WILEY138.1	62202	94	C18H340	266
13-Octadecenal	56554-90-6	WILEY138.1	62198	81	C18H340	266
Hexadecanal	629-80-1	WILEY138.1	52760	80	C16H320	240











Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

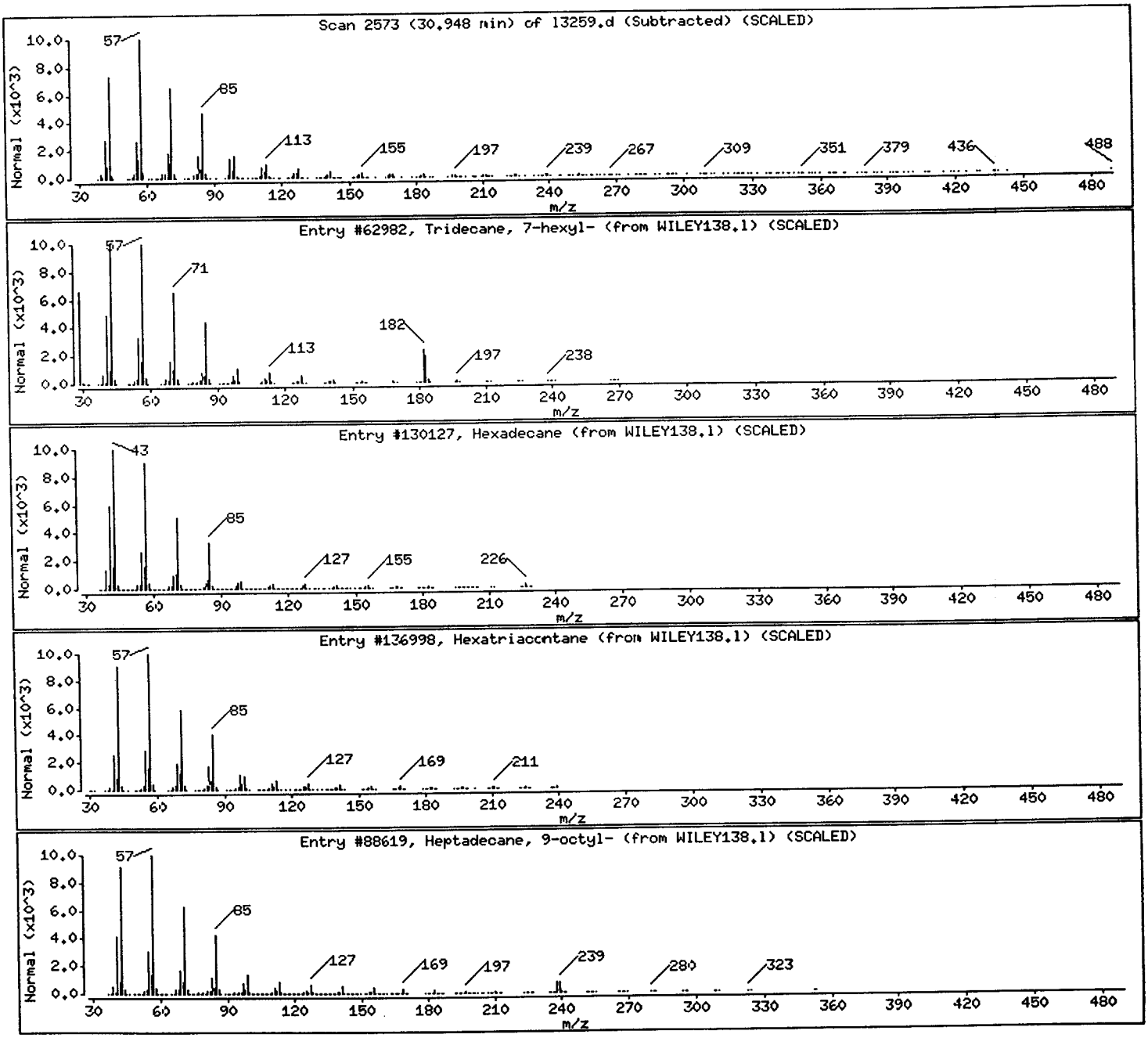
Sample Info: 237813;30;2;1;16.3

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tridecane, 7-hexyl-	7225-66-3	WILEY138.1	62982	94	C19H40	268
Hexadecane	544-76-3	WILEY138.1	130127	94	C16H34	226
Hexatriacontane	630-06-8	WILEY138.1	136998	94	C36H74	507
Heptadecane, 9-octyl-	7225-64-1	WILEY138.1	88619	94	C25H52	352



Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

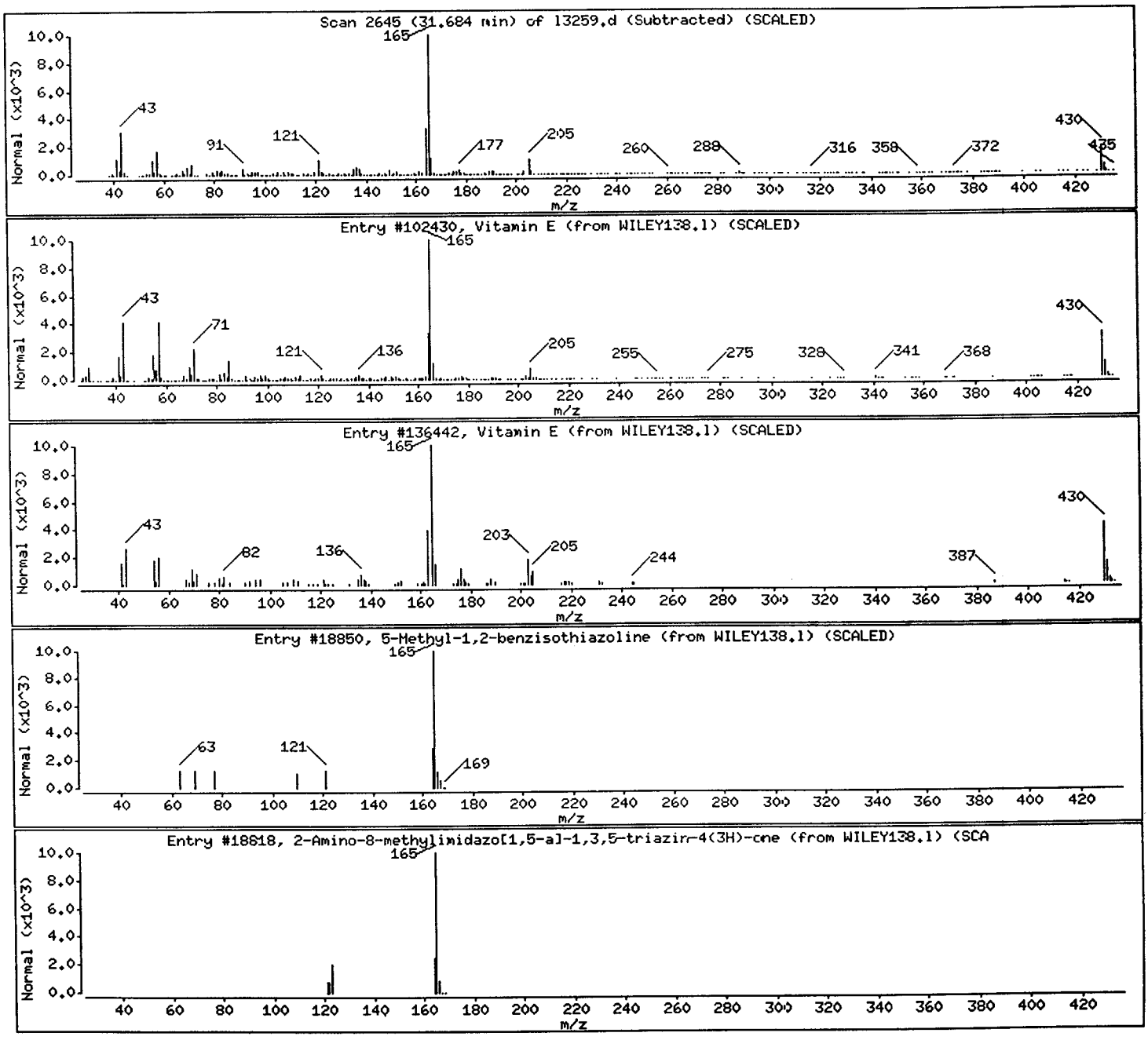
Sample Info: 237813;30;2;1;16.3

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Vitamin E	59-02-9	WILEY138.l	102430	93	C29H50O2	430
Vitamin E	59-02-9	WILEY138.l	136442	76	C29H50O2	430
5-Methyl-1,2-benzisothiazoline	0-00-0	WILEY138.l	18850	59	C8H7NOS	165
2-Amino-8-methylimidazo[1,5-a]-1,3,5-tri	70187-88-1	WILEY138.l	18818	53	C6H7N5O	165



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Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

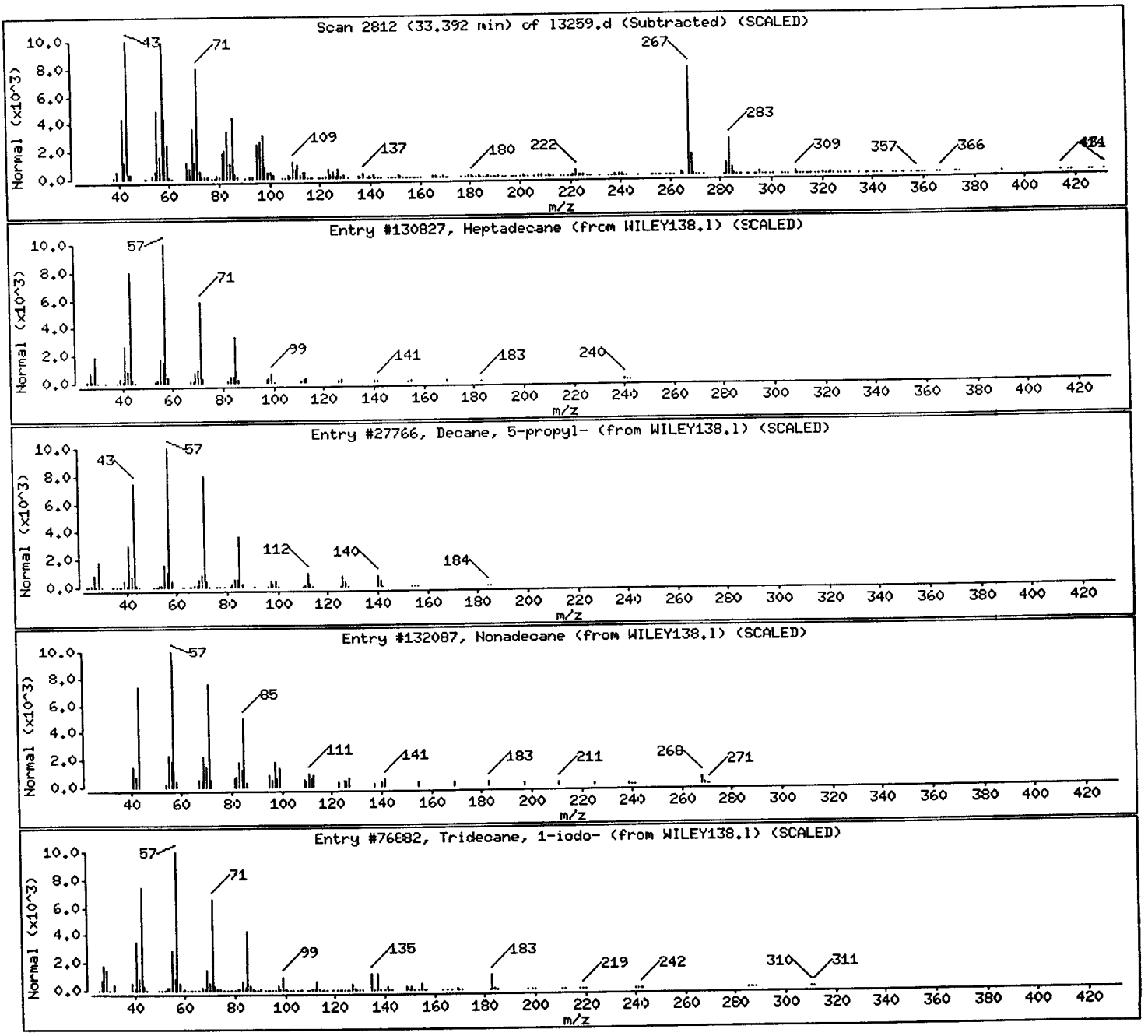
Sample Info: 237813;30;2;1;16.3

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Heptadecane	629-78-7	WILEY138.l	130827	38	C17H36	240
Decane, 5-propyl-	17312-62-8	WILEY138.l	27766	38	C13H28	184
Nonadecane	629-92-5	WILEY138.l	132087	38	C19H40	268
Tridecane, 1-iodo-	35599-77-0	WILEY138.l	76882	25	C13H27I	310



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Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

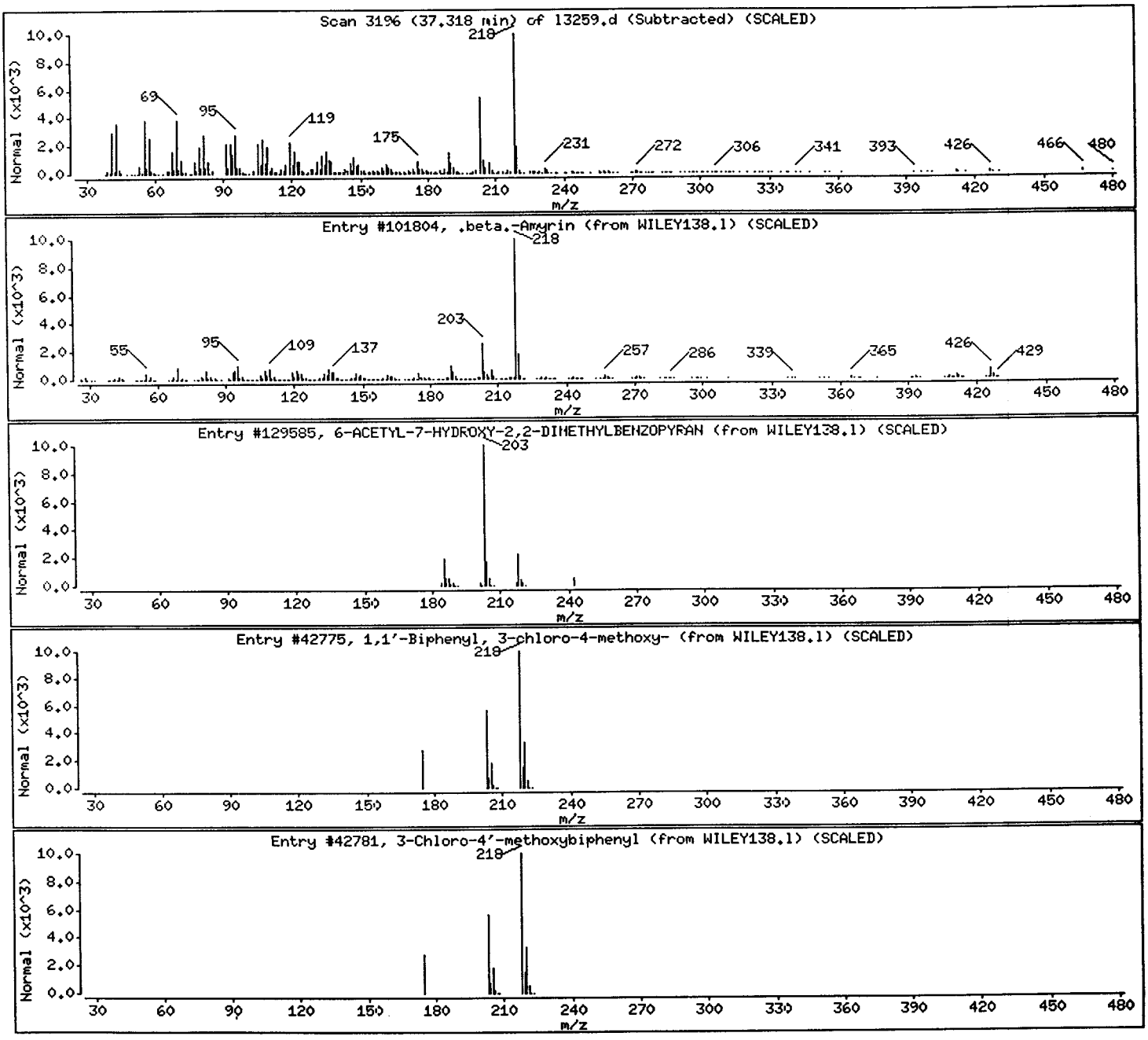
Sample Info: 237813;30;2;1;16.3

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
.beta.-Amyrin	559-70-6	WILEY138.l	101804	98	C30H500	426
6-ACETYL-7-HYDROXY-2,2-DIMETHYLBENZOPYRA	19013-03-7	WILEY138.l	129585	78	C13H1403	218
1,1'-Biphenyl, 3-chloro-4-methoxy-	21424-83-9	WILEY138.l	42775	78	C13H11C10	218
3-Chloro-4'-methoxybiphenyl	74447-84-0	WILEY138.l	42781	78	C13H11C10	218



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Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

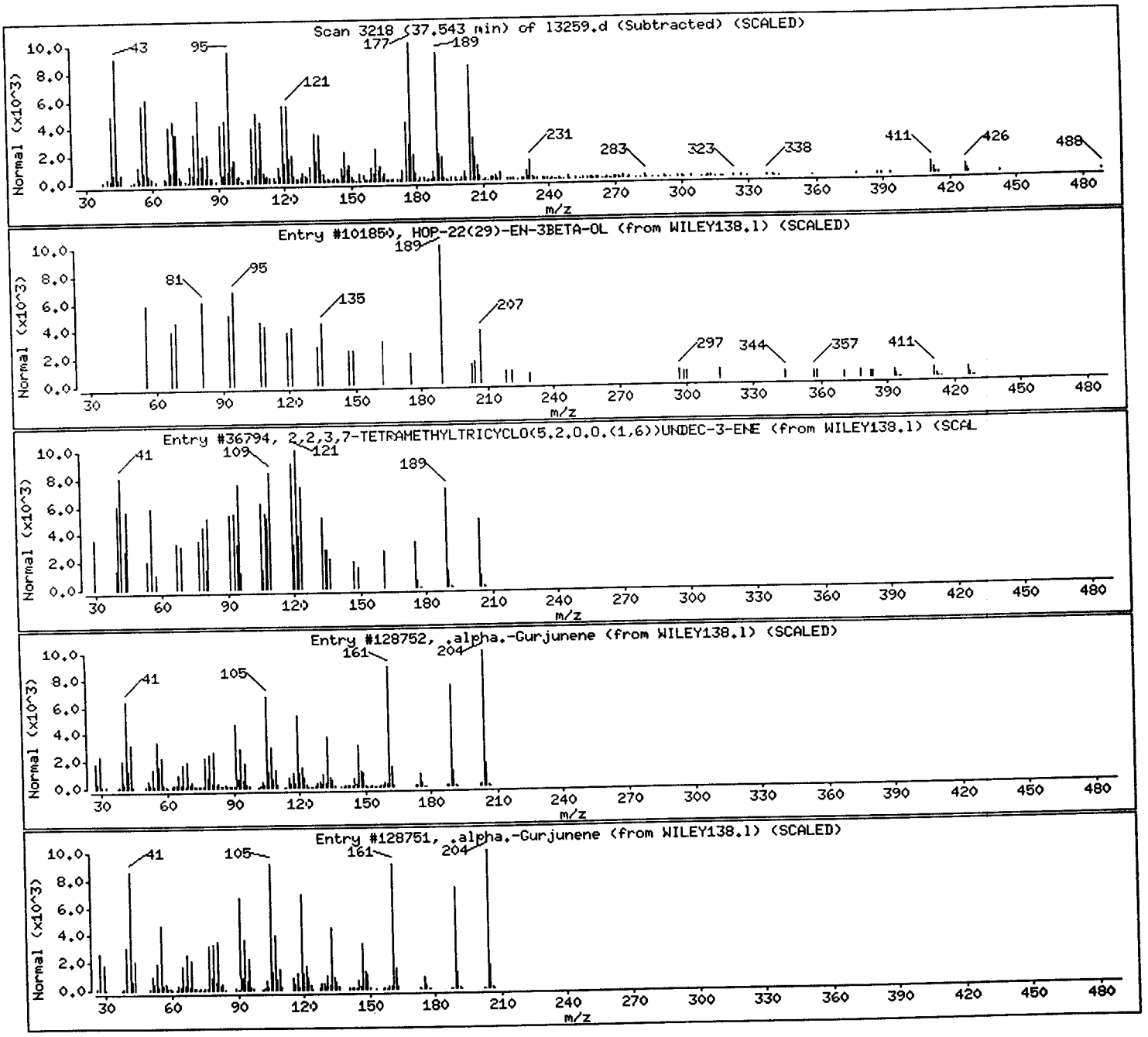
Sample Info: 237813;30;2;1;16.3

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
HOP-22(29)-EN-3BETA-OL	58801-23-3	WILEY138.1	101850	66	C30H500	426
2,2,3,7-TETRAMETHYLTRICYCLO(5.2.0.0.(1,6	0-00-0	WILEY138.1	36794	58	C15H24	204
.alpha.-Gurjunene	489-40-7	WILEY138.1	128752	55	C15H24	204
.alpha.-Gurjunene	489-40-7	WILEY138.1	128751	46	C15H24	204



Data File: /chem/BNAMS7.i/8270/10-27-00/30oct00A.b/13259.d

Date : 30-OCT-2000 23:29

Client ID: EB-2_Catch_Basin

Instrument: BNAMS7.i

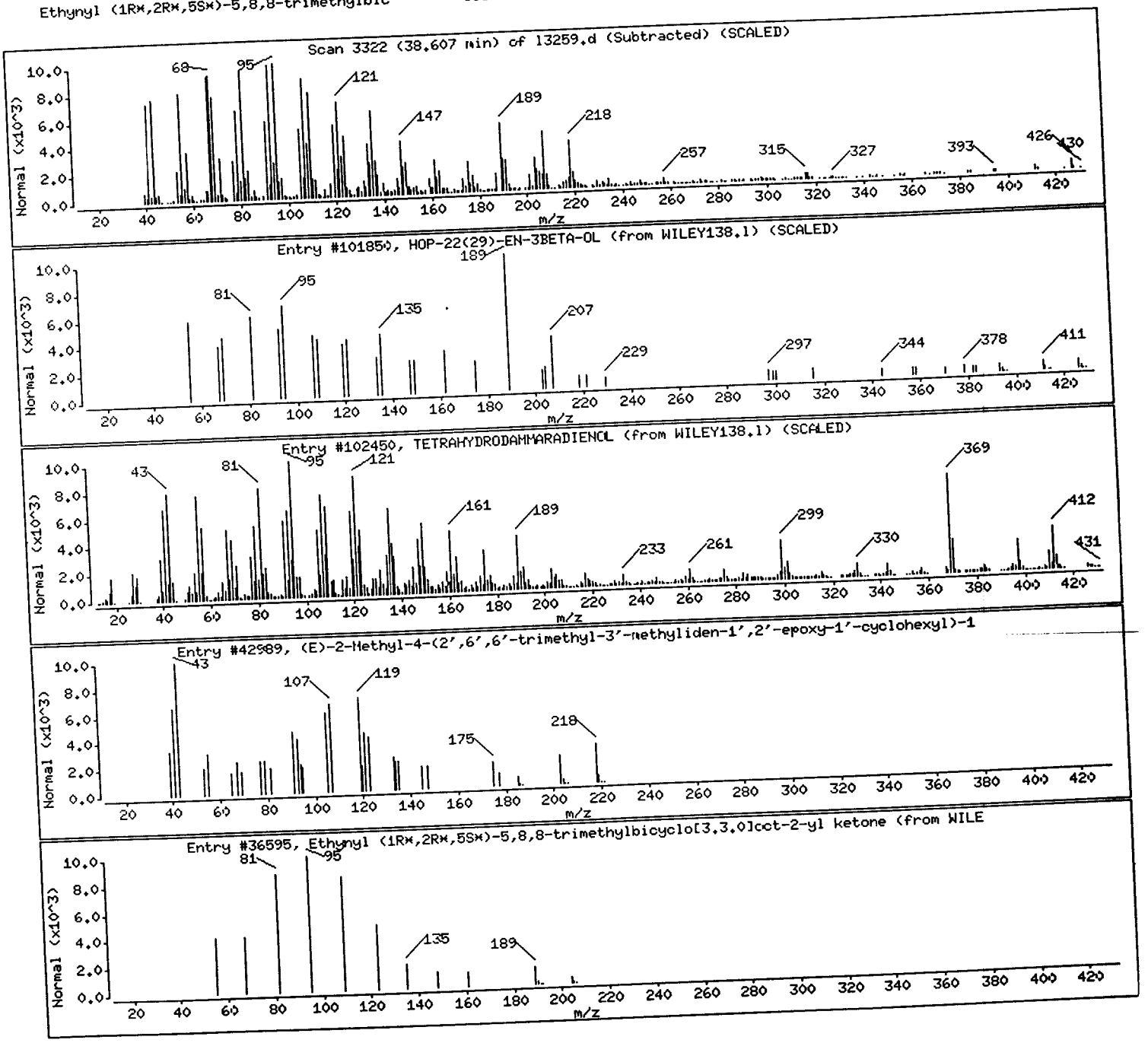
Sample Info: 237813;30;2;1;16.3

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
HOP-22(29)-EN-3BETA-OL	58801-23-3	WILEY138.1	101850	89	C30H500	426
TETRAHYDRODAMMARADIENOL	0-00-0	WILEY138.1	102450	64	C30H540	430
(E)-2-Methyl-4-(2',6',6'-trimethyl-3'-me	77822-46-9	WILEY138.1	42989	50	C15H220	218
Ethynyl (1R*,2R*,5S*)-5,8,8-trimethylbic	85544-99-6	WILEY138.1	36595	46	C14H200	204



Client ID: **EB-3_16-16.5**
Site: Rexam DSI

Lab Sample No: **237814**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 11/01/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3292.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 23

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	2200
bis(2-Chloroethyl)ether	ND	220
1,3-Dichlorobenzene	ND	2200
1,4-Dichlorobenzene	ND	2200
1,2-Dichlorobenzene	ND	2200
bis(2-chloroisopropyl)ether	ND	2200
N-Nitroso-di-n-propylamine	ND	220
Hexachloroethane	ND	220
Nitrobenzene	ND	220
Isophorone	ND	2200
bis(2-Chloroethoxy)methane	ND	2200
1,2,4-Trichlorobenzene	ND	220
Naphthalene	2300	2200
Hexachlorobutadiene	ND	430
Hexachlorocyclopentadiene	ND	2200
2-Chloronaphthalene	ND	2200
Dimethylphthalate	ND	2200
Acenaphthylene	850 J	2200
2,6-Dinitrotoluene	ND	430
Acenaphthene	250 J	2200
2,4-Dinitrotoluene	ND	430
Diethylphthalate	ND	2200
4-Chlorophenyl-phenylether	ND	2200
Fluorene	850 J	2200
N-Nitrosodiphenylamine	ND	2200
4-Bromophenyl-phenylether	ND	2200
Hexachlorobenzene	ND	220
Phenanthrene	12000	2200
Anthracene	770 J	2200
Di-n-butylphthalate	ND	2200
Fluoranthene	12000	2200
Pyrene	9200	2200
Benzidine	ND	8700
Butylbenzylphthalate	ND	2200

Client ID: **EB-3_16-16.5**
Site: Rexam DSI

Lab Sample No: **237814**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 11/01/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3292.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 23

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)		Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND		4300
Benzo(a)anthracene	3200		220
Chrysene	3700		2200
bis(2-Ethylhexyl)phthalate	ND		2200
Di-n-octylphthalate	ND		2200
Benzo(b)fluoranthene	4000		220
Benzo(k)fluoranthene	1700		220
Benzo(a)pyrene	2800		220
Indeno(1,2,3-cd)pyrene	1300		220
Dibenz(a,h)anthracene	260		220
Benzo(g,h,i)perylene	1400	J	2200

Client ID: **EB-3_16-16.5**
Site: Rexam DSI

Lab Sample No: **237814**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 11/01/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3292.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 5.0
% Moisture: 23.1

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	5-Pentyl-1,3-benzenediol	20.22	2300	
2.	Unknown Alkane	23.75	2000	
3.	Unknown Alkane	24.32	3100	
4.	Unknown Alkane	24.89	5500	
5.	Unknown Alkane	25.52	4100	
6.	Unknown	25.97	2300	
7.	Unknown Alkane	26.25	3600	
8.	Unknown Alkane	27.10	3300	
9.	Unknown Alkane	28.11	4500	
10.	C20H12 PAH	28.62	2600	
11.	Unknown Alkane	29.32	2400	
12.	Unknown	31.16	2600	
13.	Unknown Alkane/Unknown	32.56	3800	
14.	Unknown Sterol	35.80	2700	
15.	Unknown	37.09	3700	
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	48500

Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/l3292.d
Report Date: 01-Nov-2000 08:33

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/l3292.d
Lab Smp Id: 237814 Client Smp ID: EB-3_16-16.5
Inj Date : 01-NOV-2000 01:55
Operator : BNAMS 4 Inst ID: BNAMS7.i
Smp Info : 237814;30;2;5;23.1;
Misc Info : F104;PPBN+15;6924;114
Comment :
Method : /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/8270C1.m
Meth Date : 31-Oct-2000 16:52 eddie Quant Type: ISTD
Cal Date : 27-OCT-2000 12:29 Cal File: l3224.d
Als bottle: 13
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: PPBNb.sub
Target Version: 3.50
Processing Host: hpd1

JR

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	5.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	2.00000	Volume of final extract (ml)
Ws	30.00000	Weight of sample extracted (g)
M	23.10000	% Moisture

Cpnd Variable Local Compound Variable

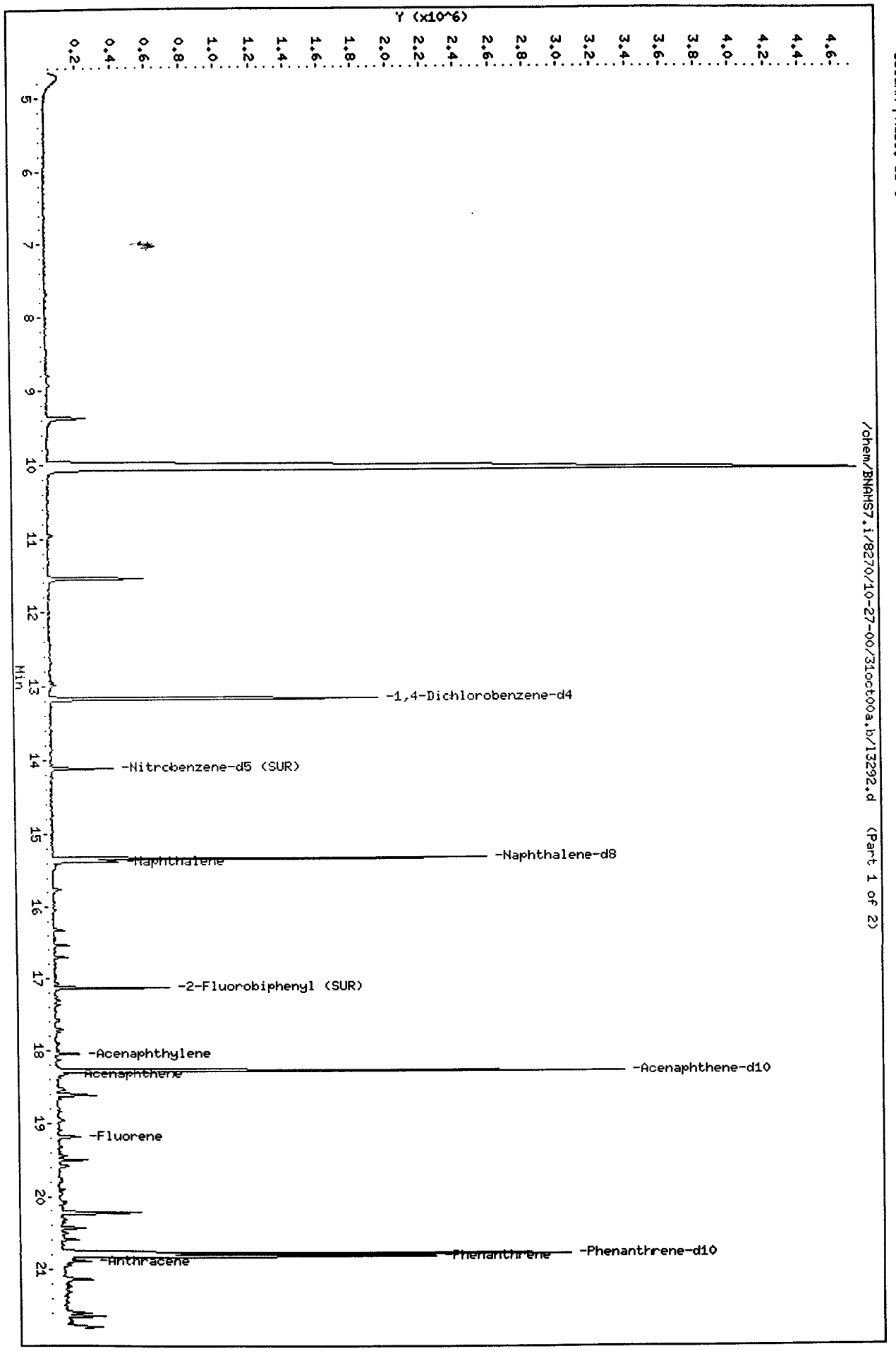
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
* 79 1,4-Dichlorobenzene-d4	152	13.162	13.177	(1.000)	352931	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	14.113	14.138	(0.920)	142062	9.50511	4100
* 80 Naphthalene-d8	136	15.340	15.355	(1.000)	1444909	40.0000	
31 Naphthalene	128	15.381	15.396	(1.003)	193847	5.38878	2300
$ 77 2-Fluorobiphenyl (SUR)	172	17.130	17.155	(0.937)	215825	9.04744	3900
39 Acenaphthylene	152	18.050	18.065	(0.987)	73664	1.95605	850(a)
* 82 Acenaphthene-d10	164	18.285	18.300	(1.000)	877436	40.0000	
42 Acenaphthene	153	18.336	18.351	(1.003)	13482	0.57079	250(a)
47 Fluorene	166	19.185	19.210	(1.049)	51726	1.95755	850(a)
* 83 Phenanthrene-d10	188	20.770	20.774	(1.000)	1614841	40.0000	
52 Phenanthrene	178	20.811	20.825	(1.002)	1119132	28.3139	12000
53 Anthracene	178	20.882	20.907	(1.005)	70557	1.76896	770(a)
56 Fluoranthene	202	22.784	22.799	(1.097)	1142832	27.1251	12000

Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/l3292.d
Report Date: 01-Nov-2000 08:33

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
	57 Pyrene	202	23.173	23.187	(0.918)	963818	21.1675	9200
$	78 Terphenyl-d14 (SUR)	244	23.387	23.402	(0.927)	300434	8.59941	3700
	61 Benzo(a)anthracene	228	25.218	25.232	(0.999)	330739	7.38353	3200
*	81 Chrysene-d12	240	25.238	25.263	(1.000)	1719888	40.0000	
	62 Chrysene	228	25.289	25.314	(1.002)	358364	8.61738	3700
	65 Benzo(b)fluoranthene	252	27.784	27.819	(0.957)	329643	9.30875	4000
	66 Benzo(k)fluoranthene	252	27.846	27.911	(0.959)	164708	3.90132	1700(M)
	67 Benzo(a)pyrene	252	28.797	28.852	(0.992)	228968	6.53005	2800
*	84 Perylene-d12	264	29.021	29.046	(1.000)	1360485	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	33.459	33.556	(1.153)	104178	3.08401	1300
	69 Dibenz(a,h)anthracene	278	33.561	33.709	(1.156)	20004	0.59881	260(M)
	70 Benzo(g,h,i)perylene	276	34.850	35.018	(1.201)	111350	3.24090	1400(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.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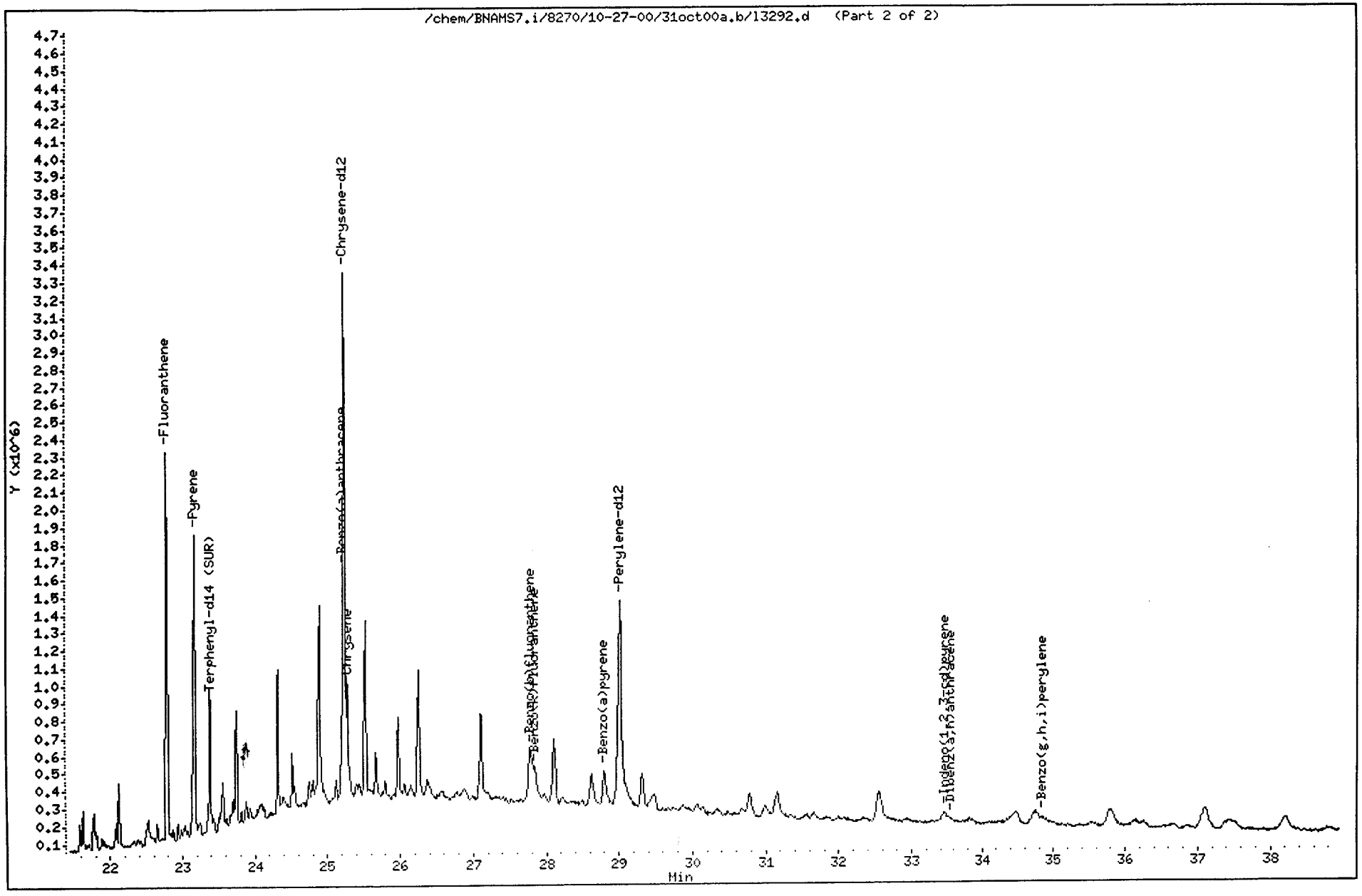
Date : 01-NOV-2000 01:55
Client ID: EB-3_16-16.5
Sample Info: 237814;30;2;5;23.1;
Column phase: DB-5
Instrument: BNAMS7.i
Operator: BNAMS 4
Column diameter: 0.25
Y (x10^6)
Min
/chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d (Part 1 of 2)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5 (SUR)
-Naphthalene
-Naphthalene-d8
-2-Fluorobiphenyl (SUR)
-Acenaphthylene
-Acenaphthene
-Acenaphthene-d10
-Fluorene
-Phenanthrene
-Phenanthrene-d10
-Anthracene

Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d
Date : 01-NOV-2000 01:55
Client ID: EB-3_16-16.5
Sample Info: 237814;30;2;5;23.1;

Column phase: DB-5

Instrument: BNAMS7.i

Operator: BNAMS 4
Column diameter: 0.25



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

Client ID: EB-3_16-16.5

Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

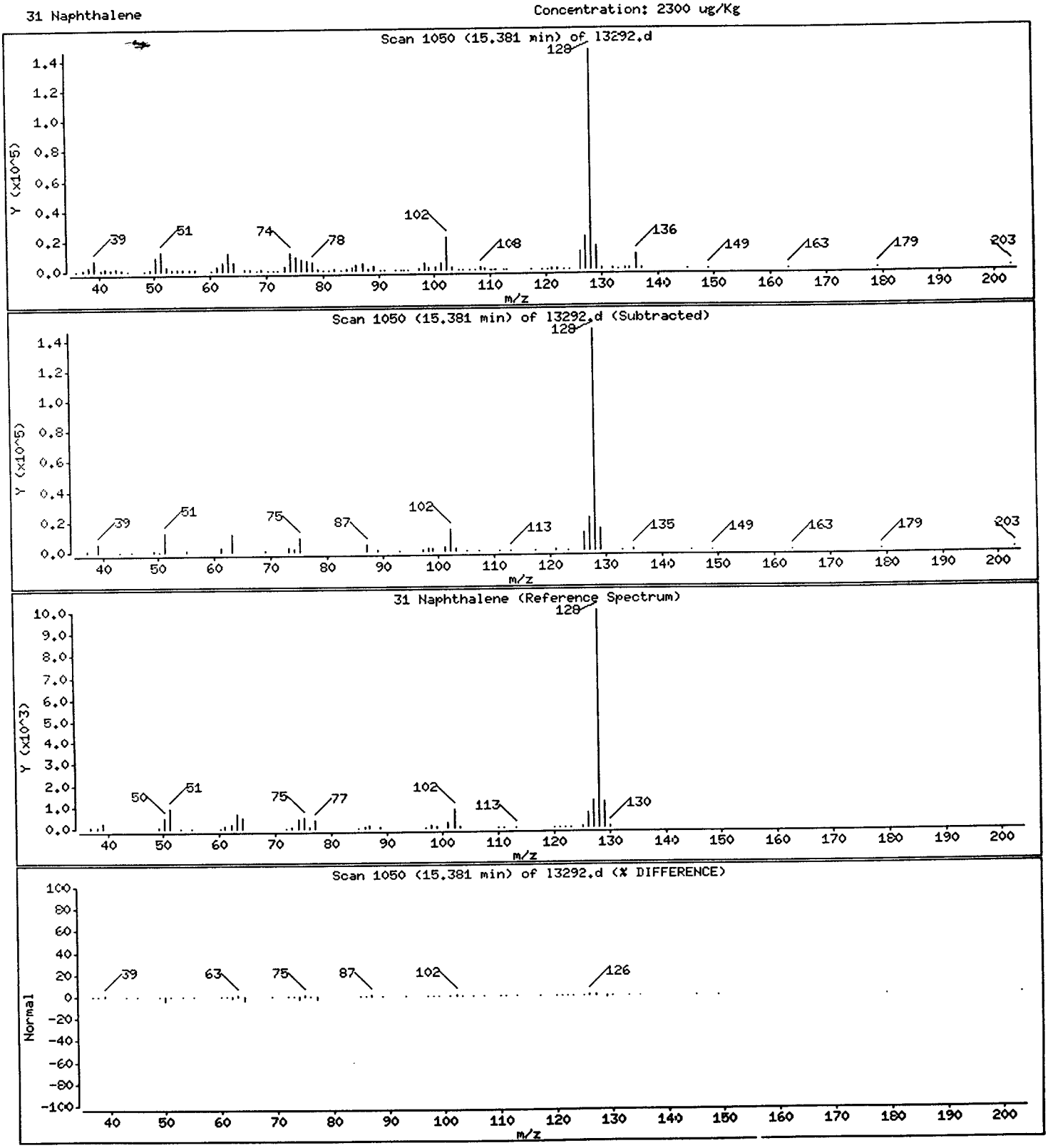
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

31 Naphthalene

Concentration: 2300 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

Client ID: EB-3_16-16.5

Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

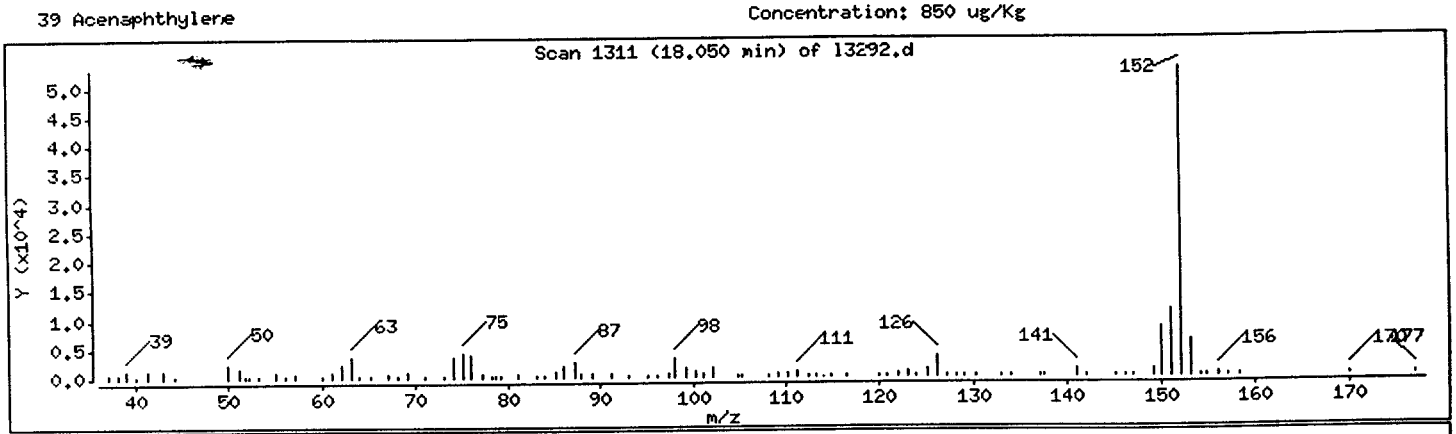
Operator: BNAMS 4

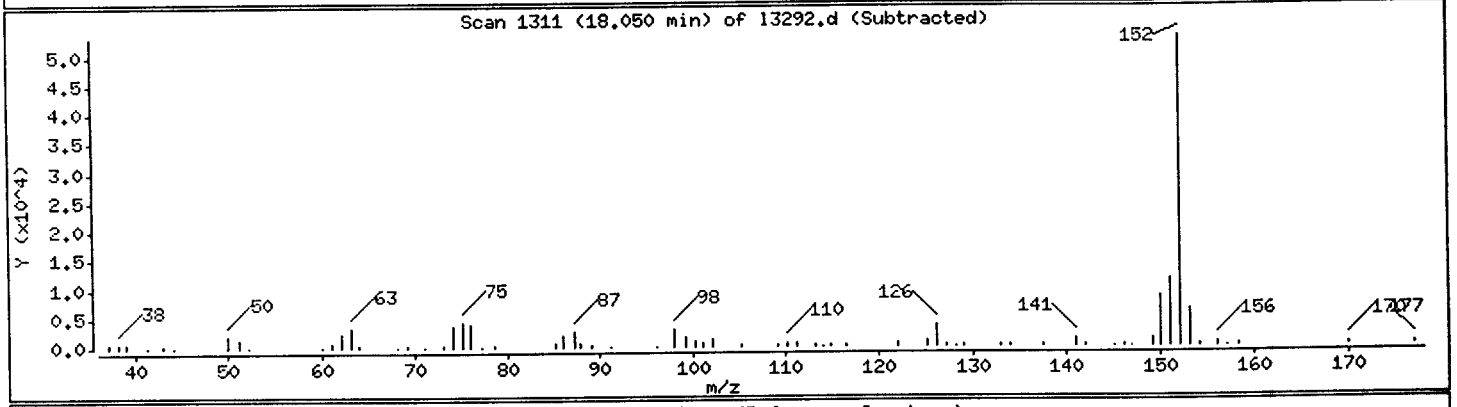
Column phase: DB-5

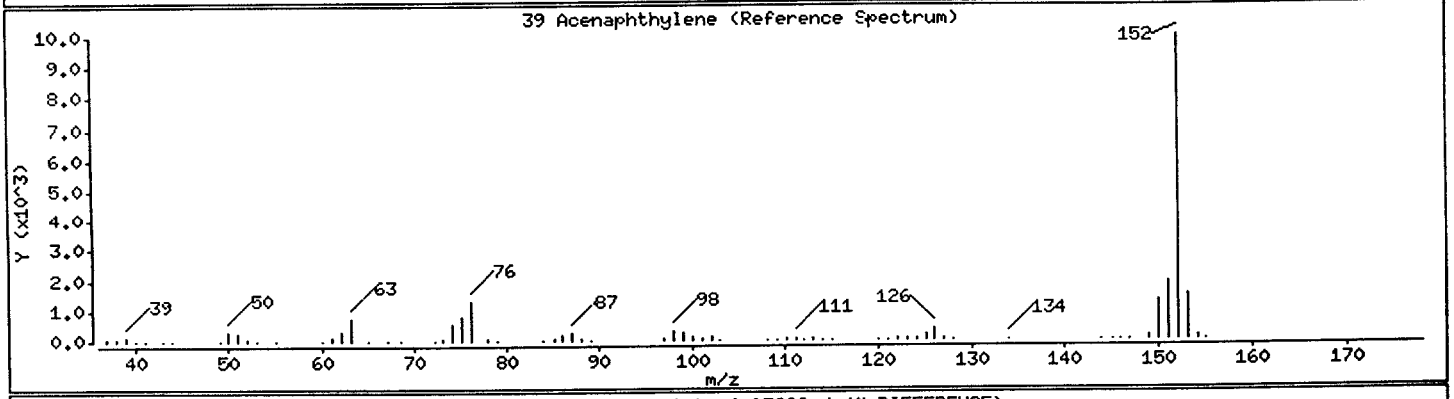
Column diameter: 0.25

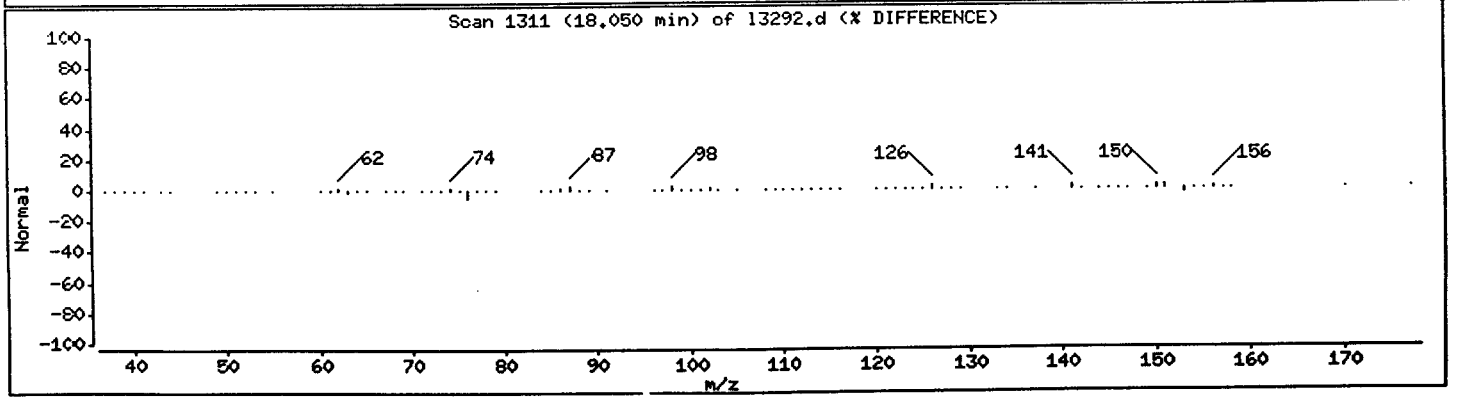
39 Acenaphthylene

Concentration: 850 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

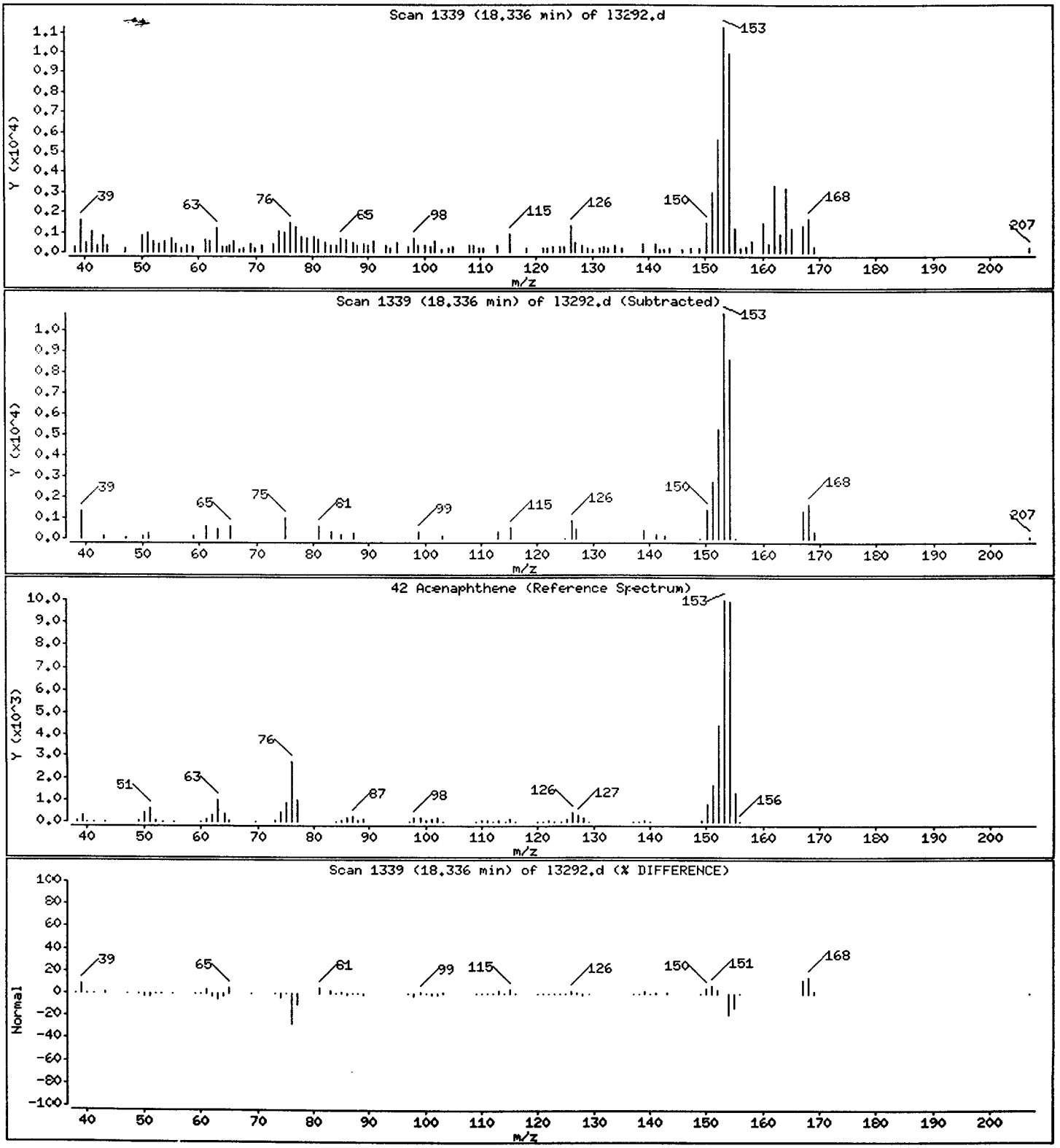
Client ID: EB-3_16-16.5 Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

42 Acenaphthene Concentration: 250 ug/Kg



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Date : 01-NOV-2000 01:55

Client ID: EB-3_16-16.5

Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

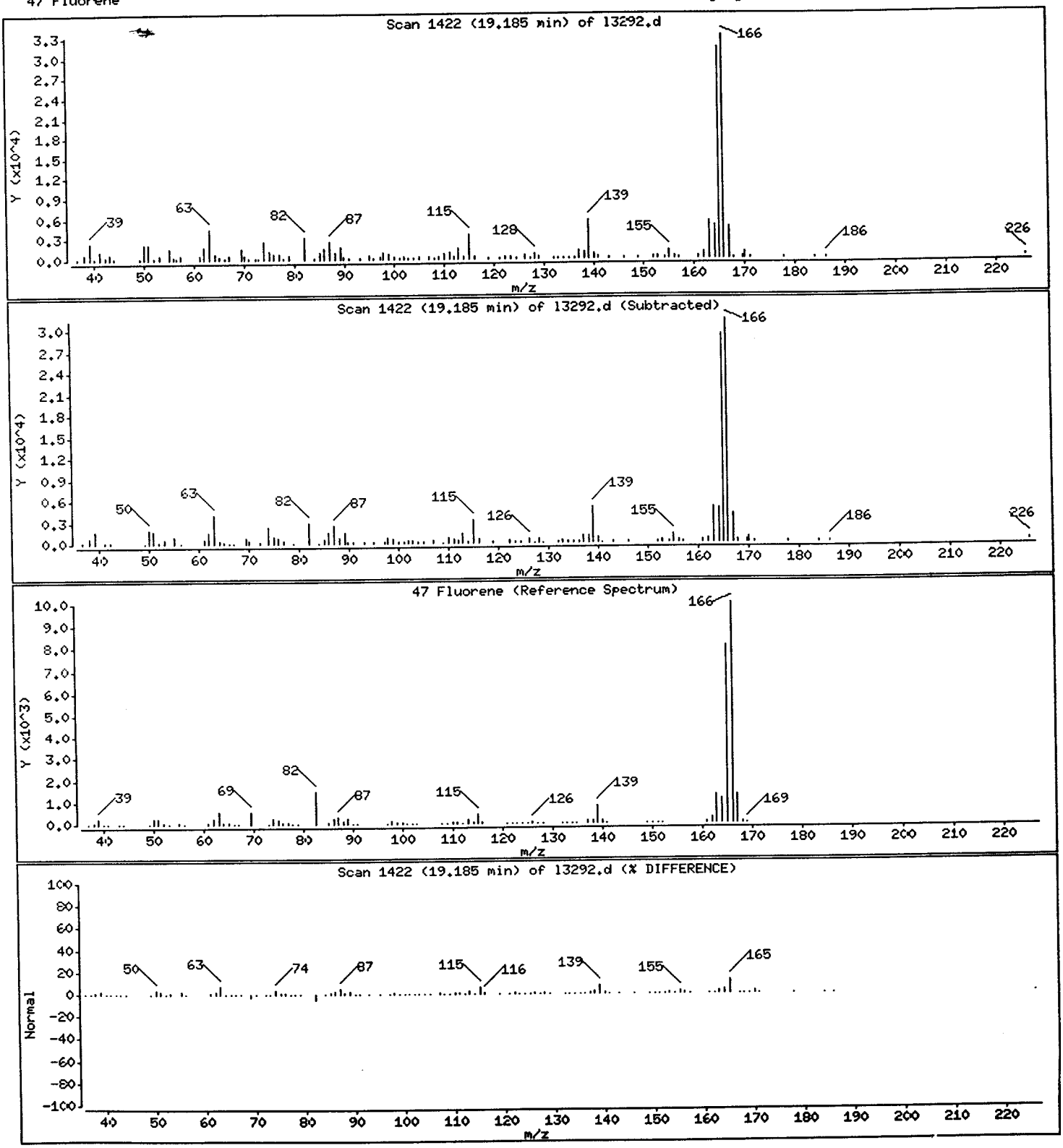
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

47 Fluorene

Concentration: 850 ug/Kg



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Date : 01-NOV-2000 01:55

Client ID: EB-3_16-16.5

Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

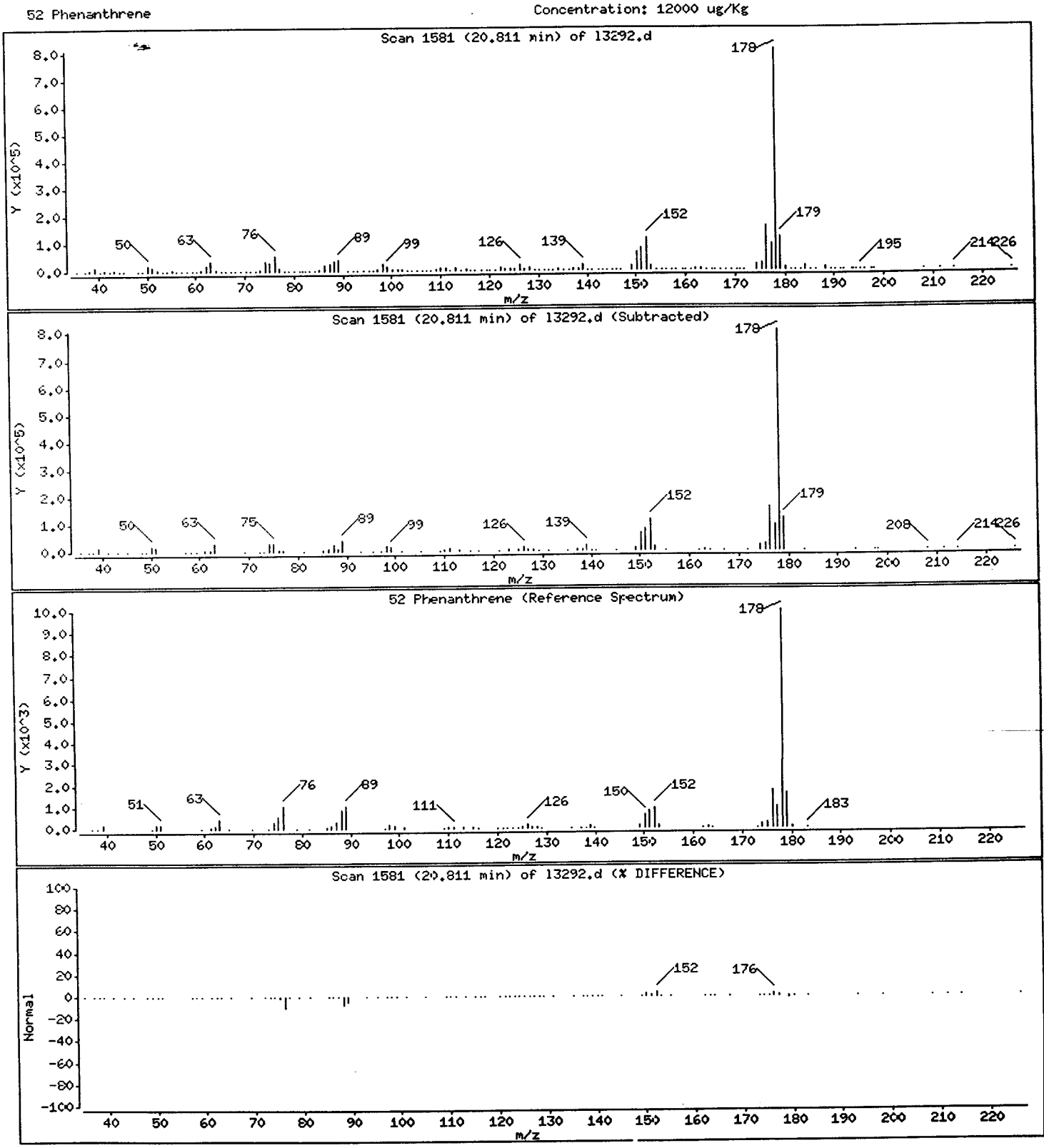
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

52 Phenanthrene

Concentration: 12000 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

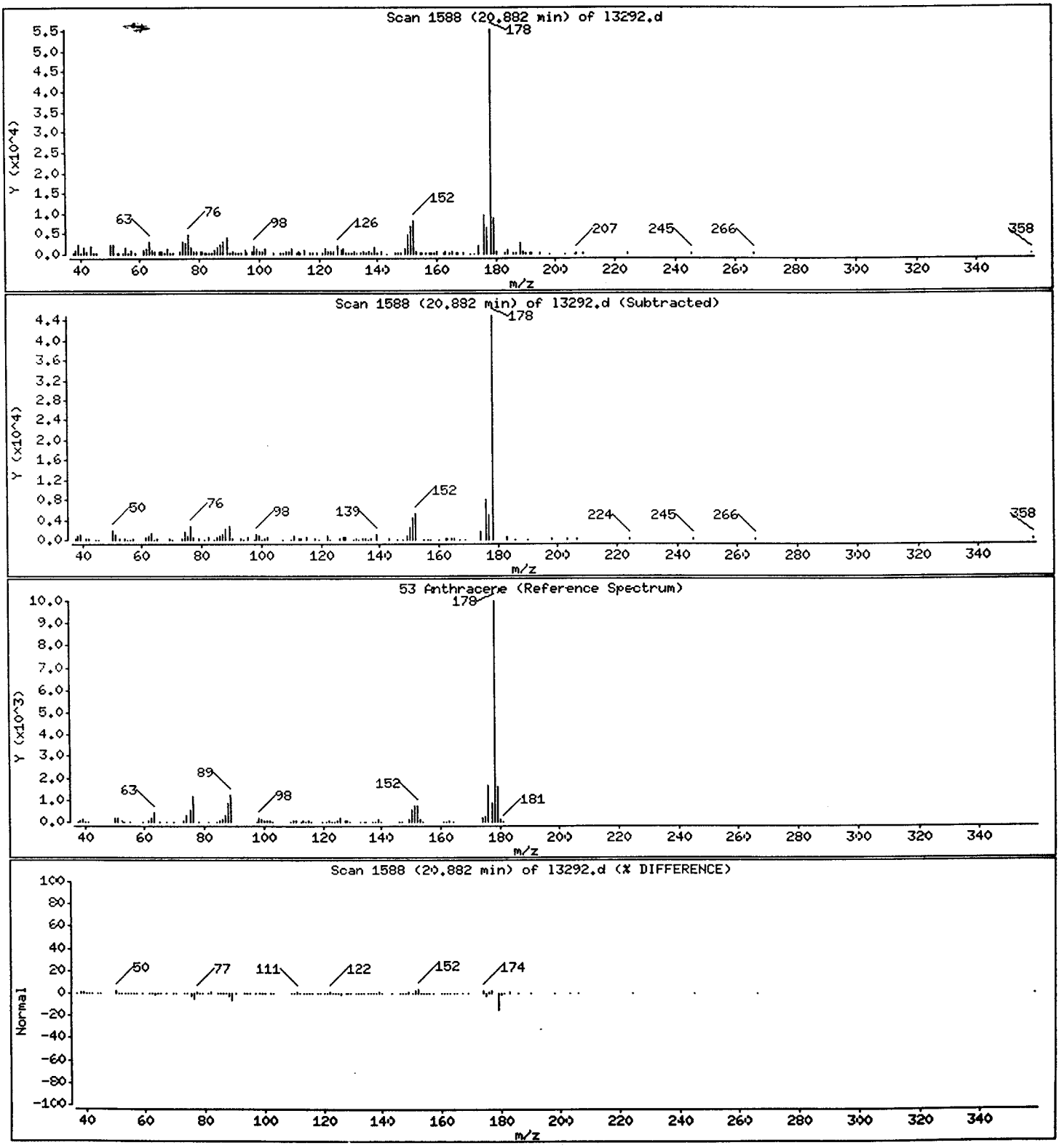
Client ID: EB-3_16-16.5 Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

53 Anthracene Concentration: 770 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

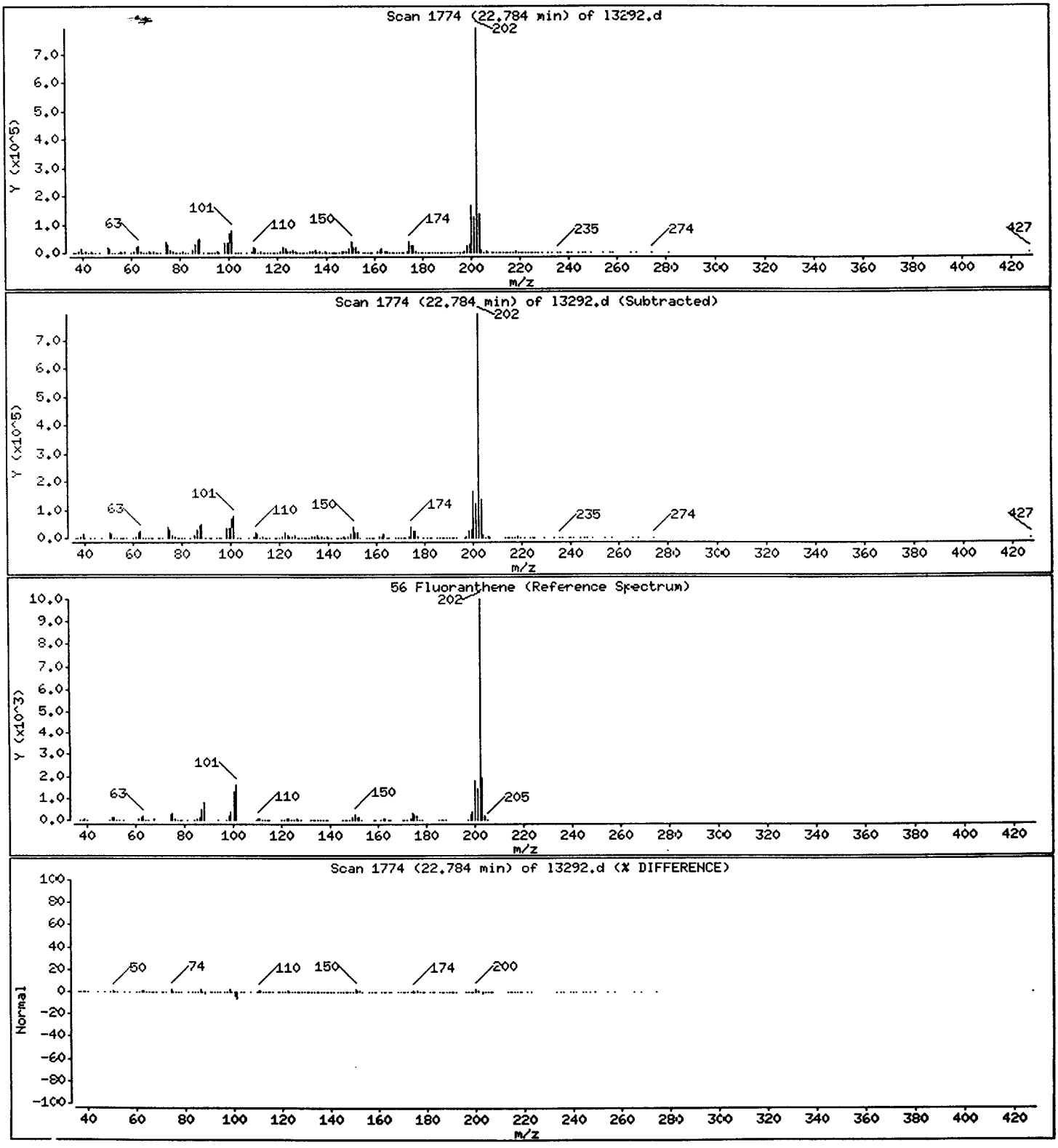
Client ID: EB-3_16-16.5 Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

56 Fluoranthene Concentration: 12000 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

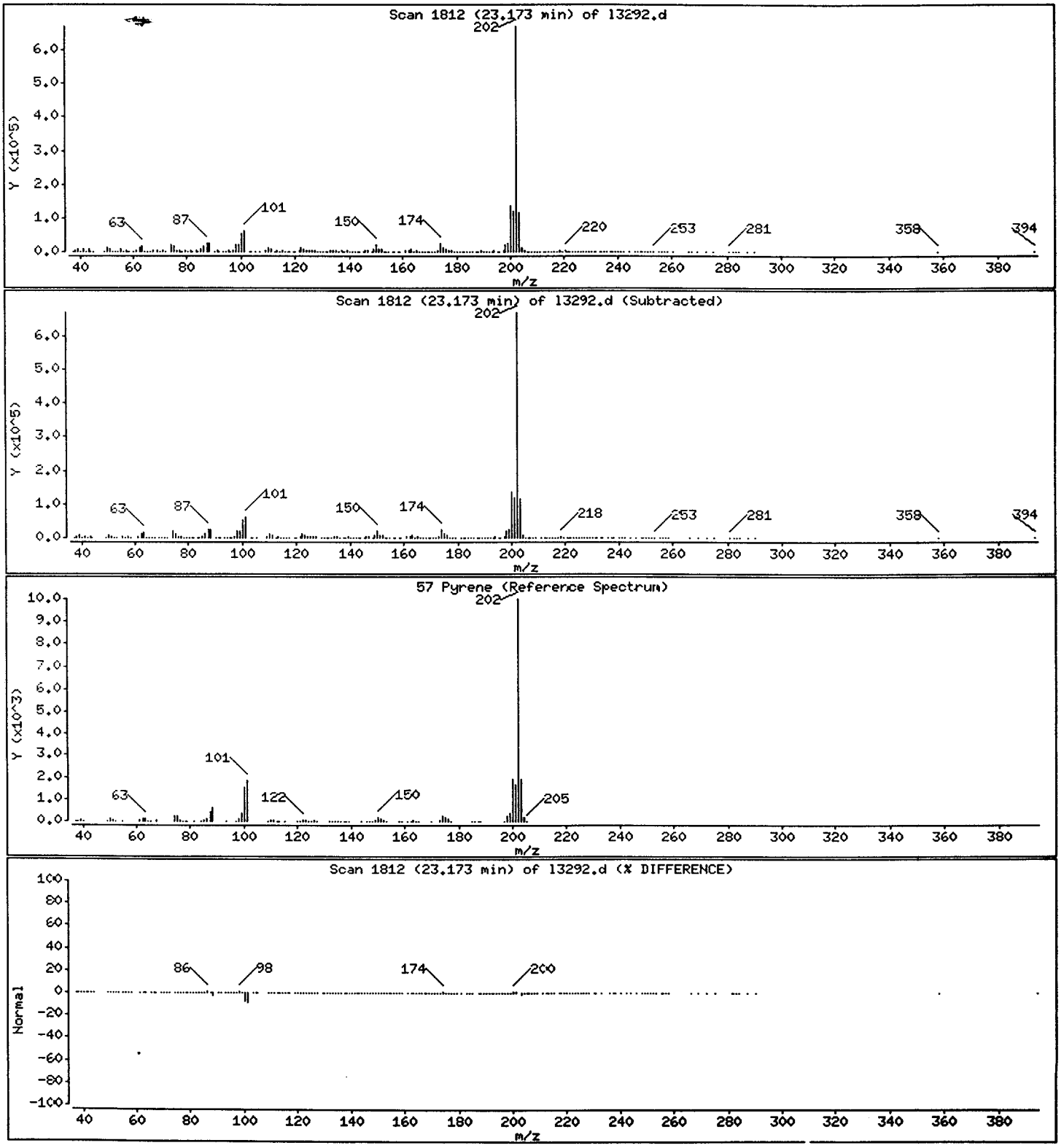
Client ID: EB-3_16-16.5 Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

57 Pyrene Concentration: 9200 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

Client ID: EB-3_16-16.5

Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

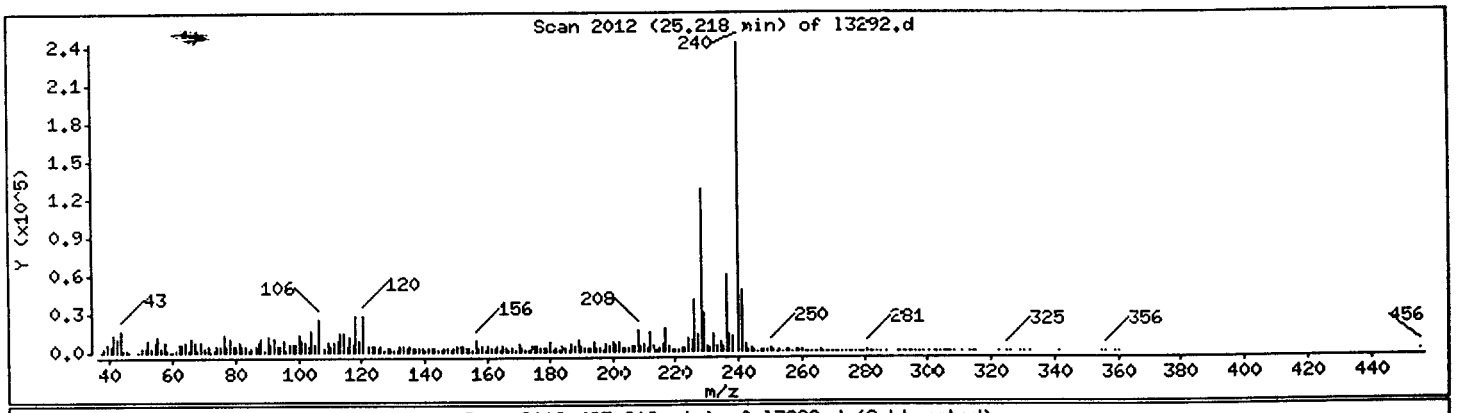
Operator: BNAMS 4

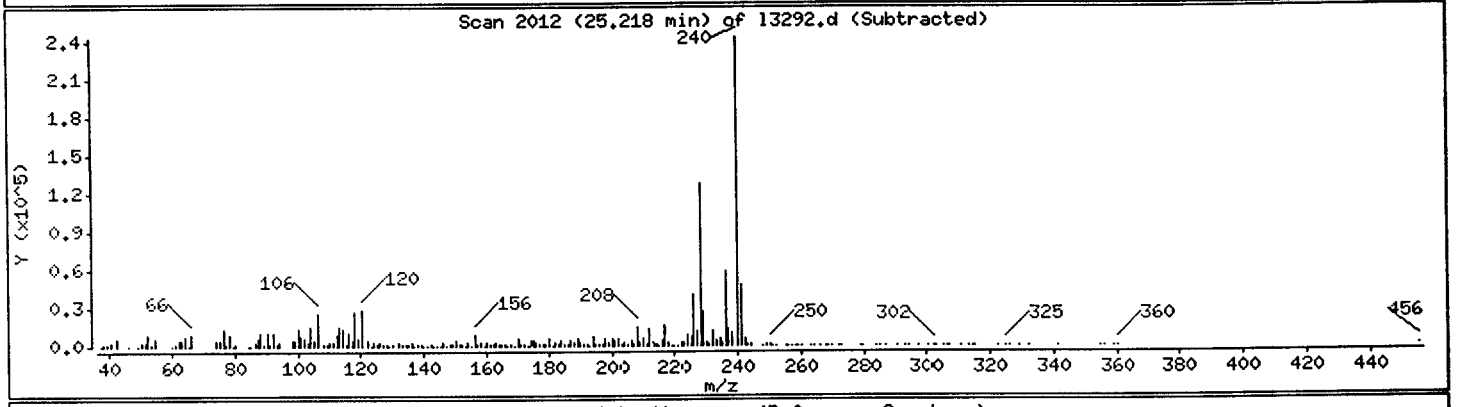
Column phase: DB-5

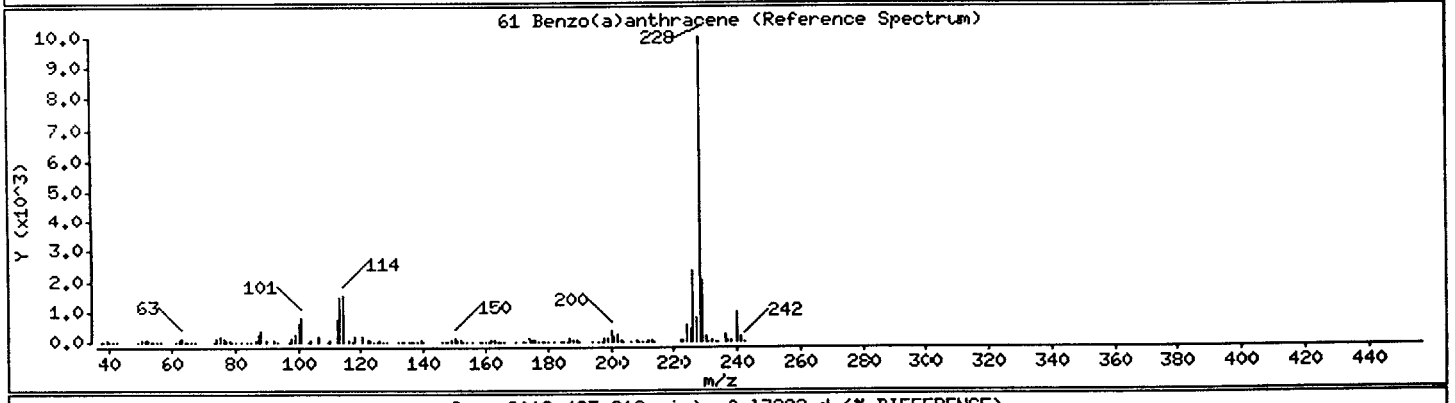
Column diameter: 0.25

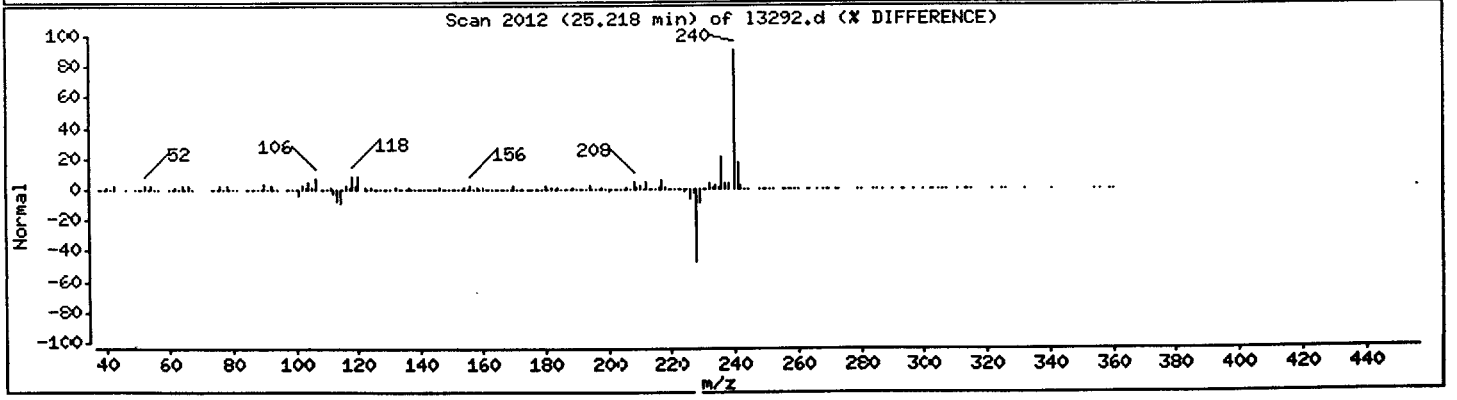
61 Benzo(a)anthracene

Concentration: 3200 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

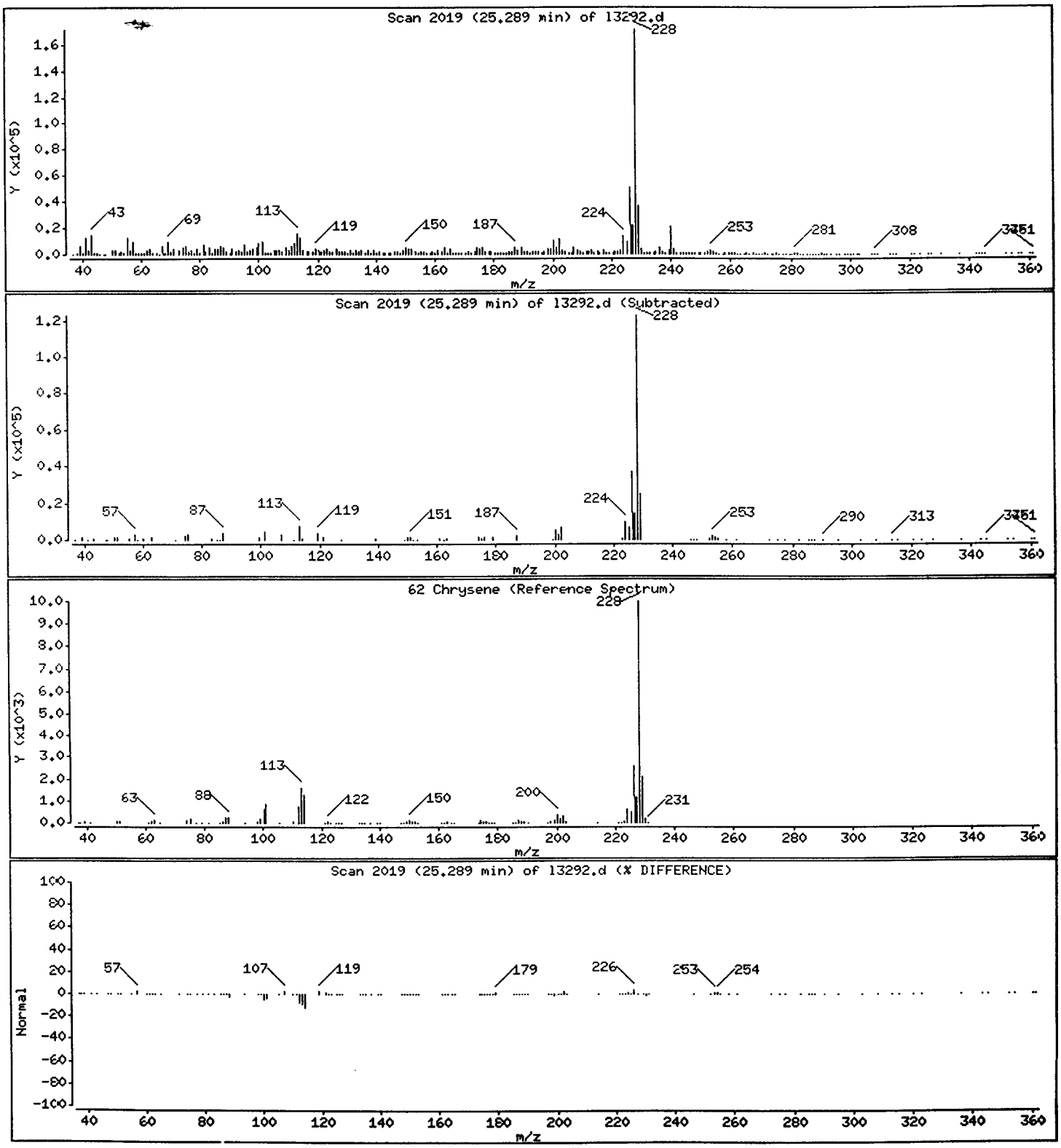
Client ID: EB-3_16-16.5 Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

62 Chrysene Concentration: 3700 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

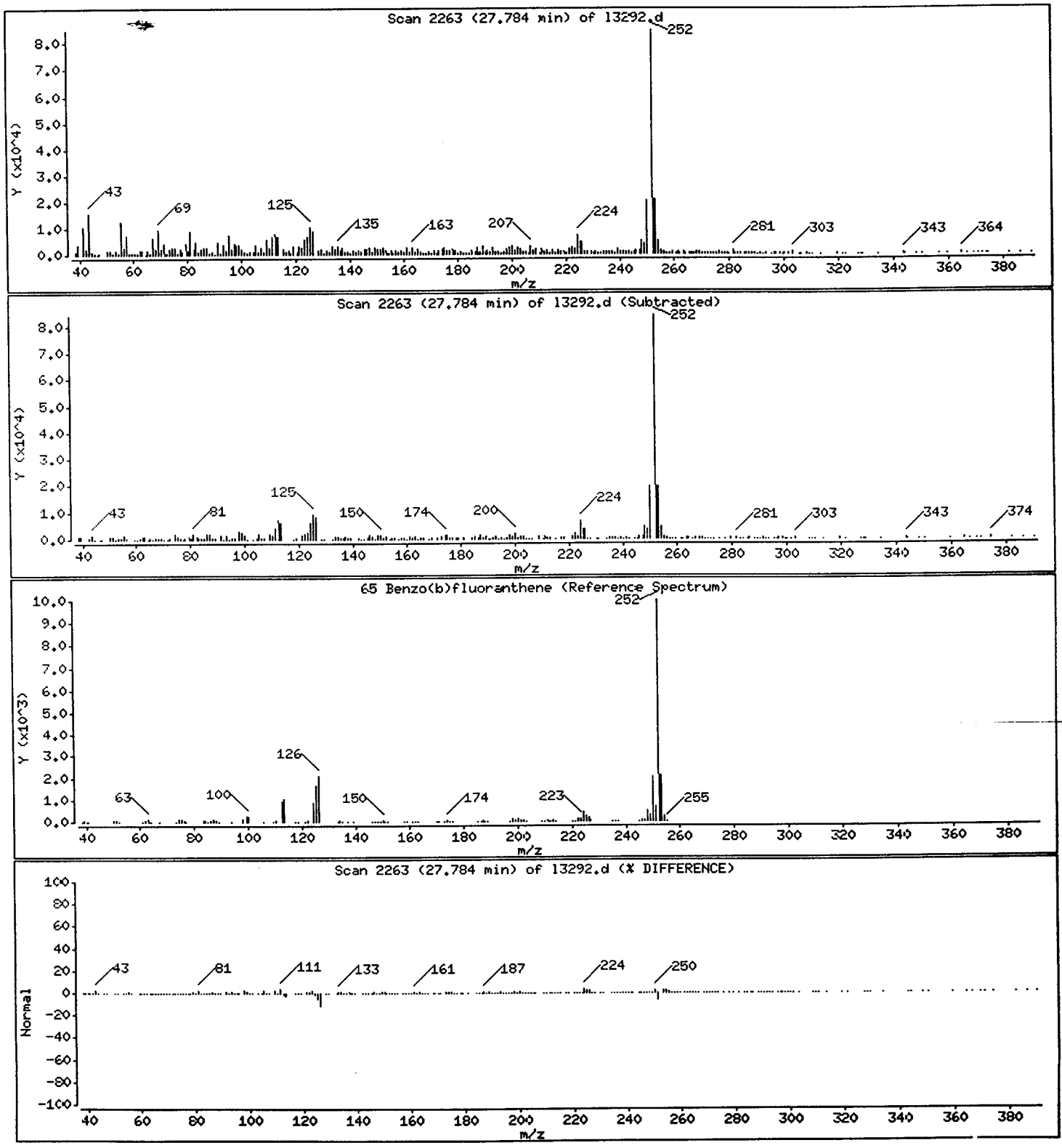
Client ID: EB-3_16-16.5 Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

65 Benzo(b)fluoranthene Concentration: 4000 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

Client ID: EB-3_16-16.5

Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

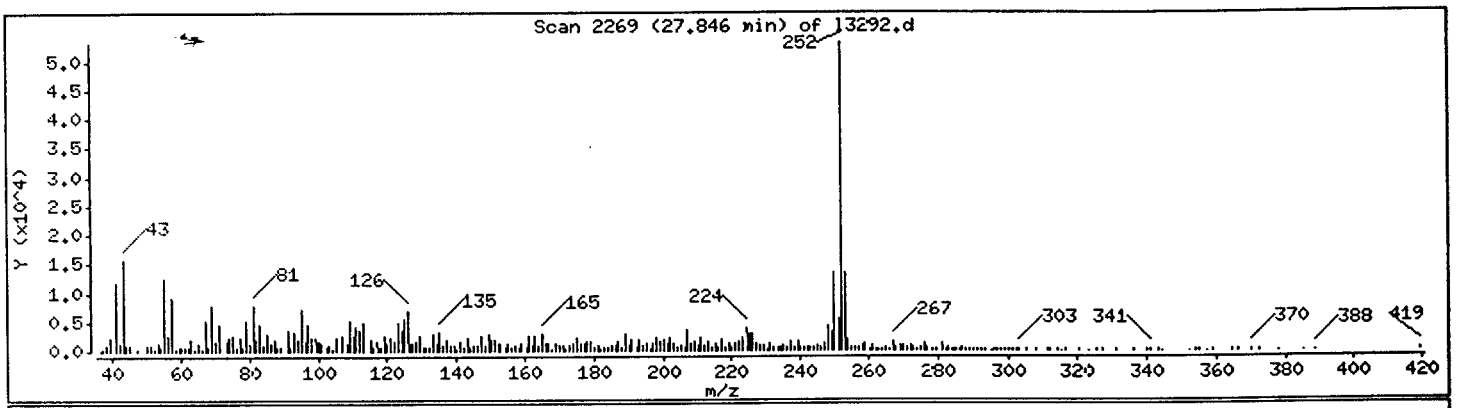
Operator: BNAMS 4

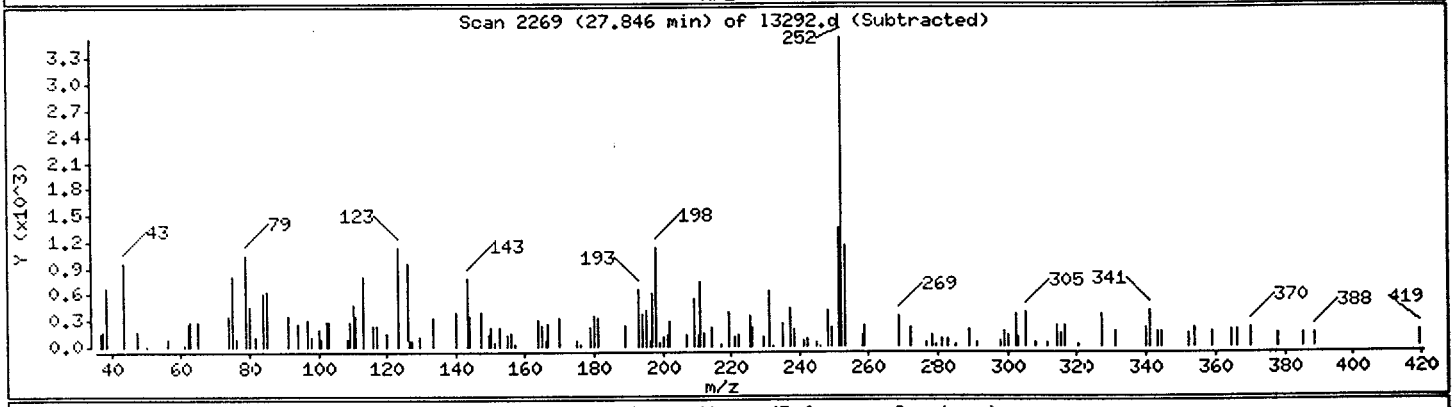
Column phase: DB-5

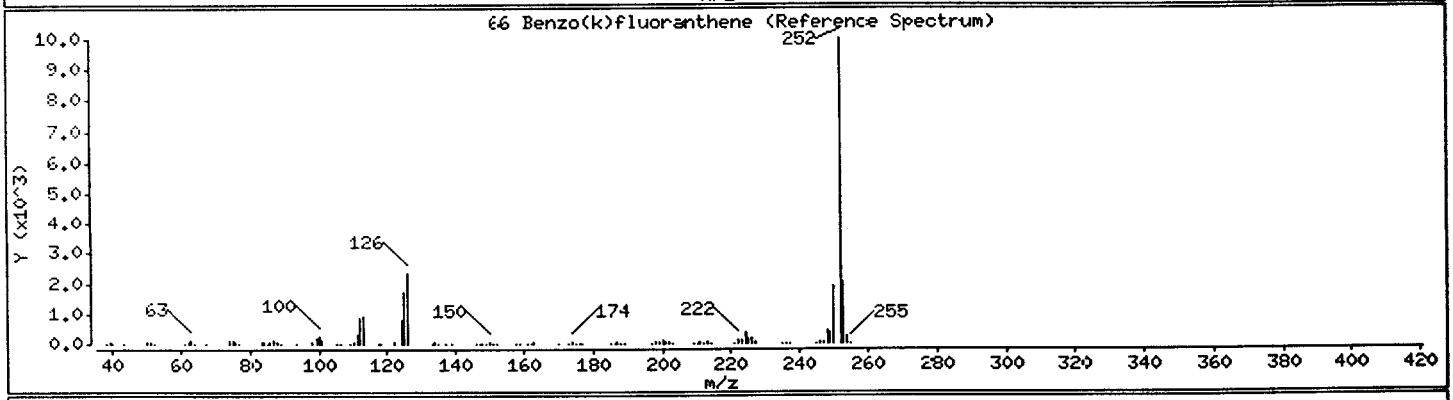
Column diameter: 0.25

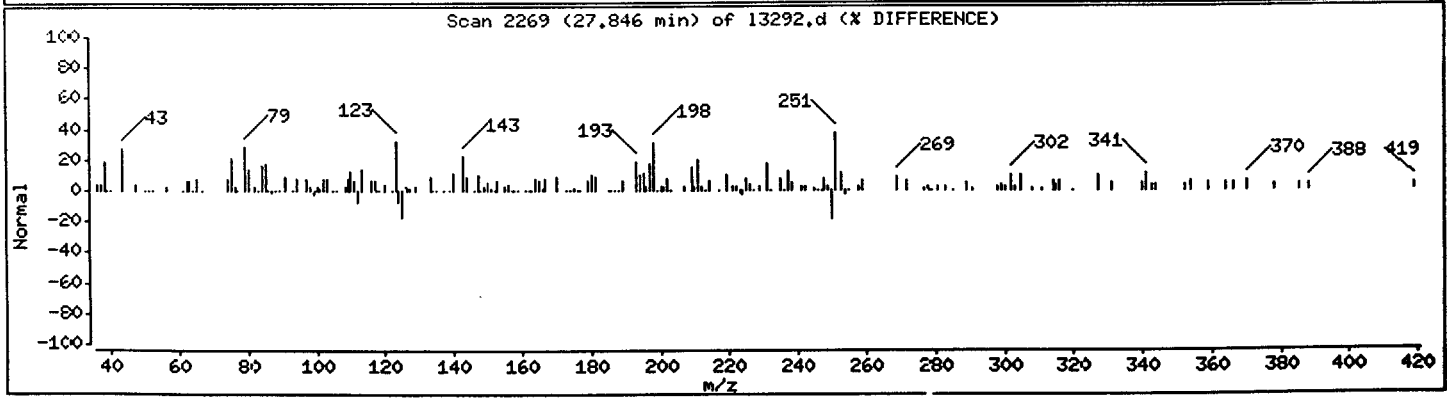
66 Benzo(k)fluoranthene

Concentration: 1700 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

Client ID: EB-3_16-16.5

Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

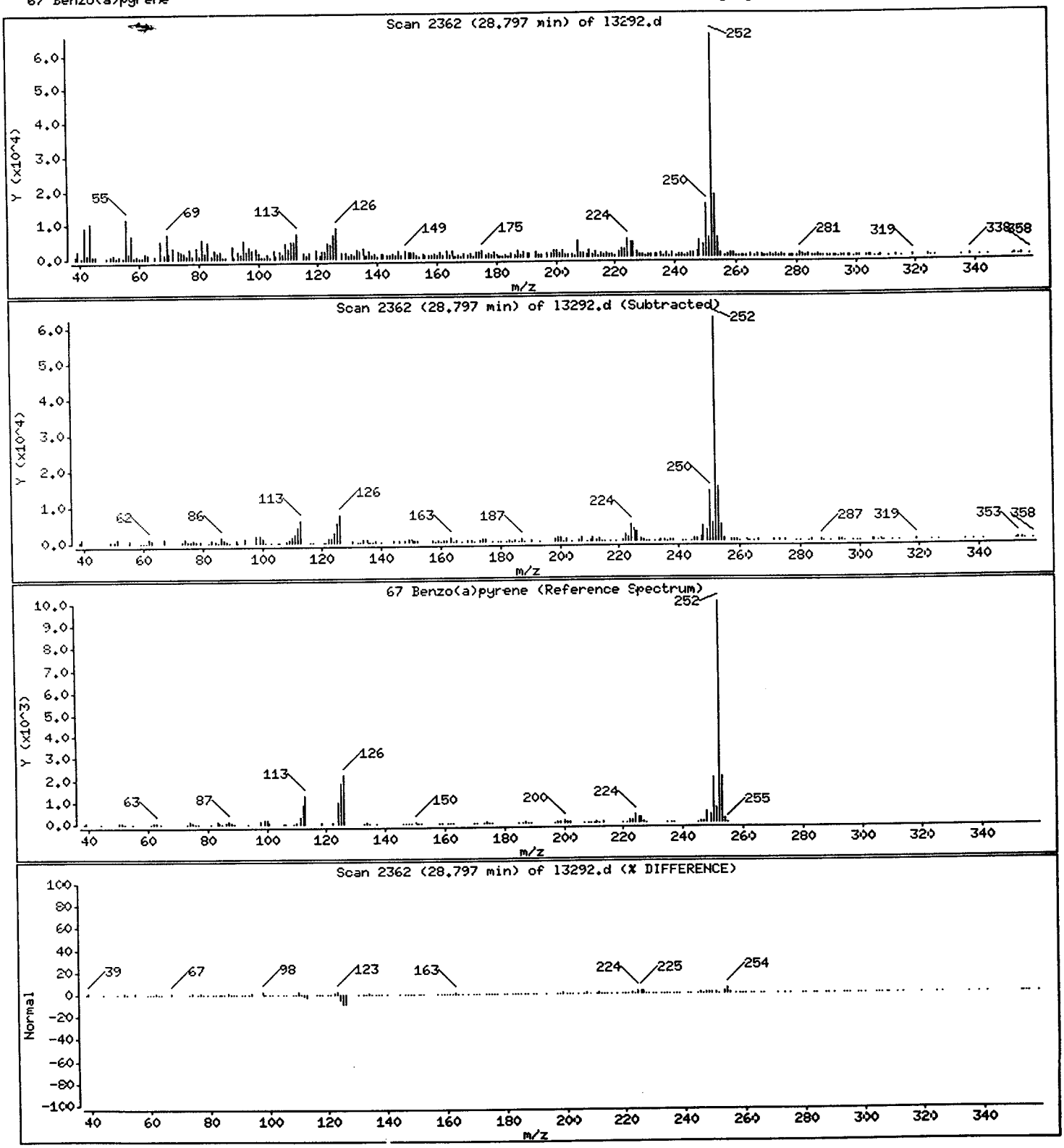
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

67 Benzo(a)pyrene

Concentration: 2800 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

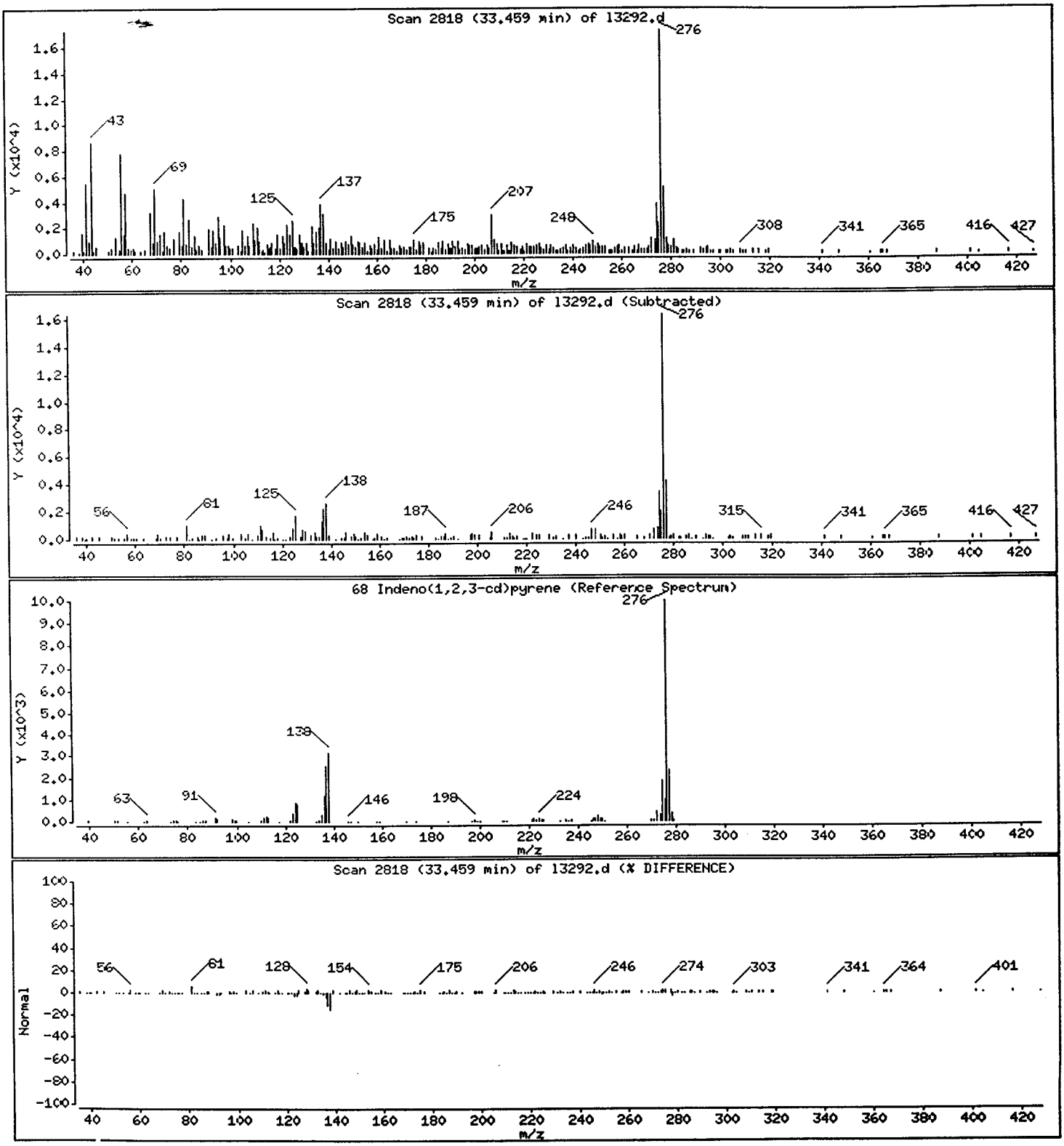
Client ID: EB-3_16-16.5 Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

68 Indeno(1,2,3-cd)pyrene Concentration: 1300 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

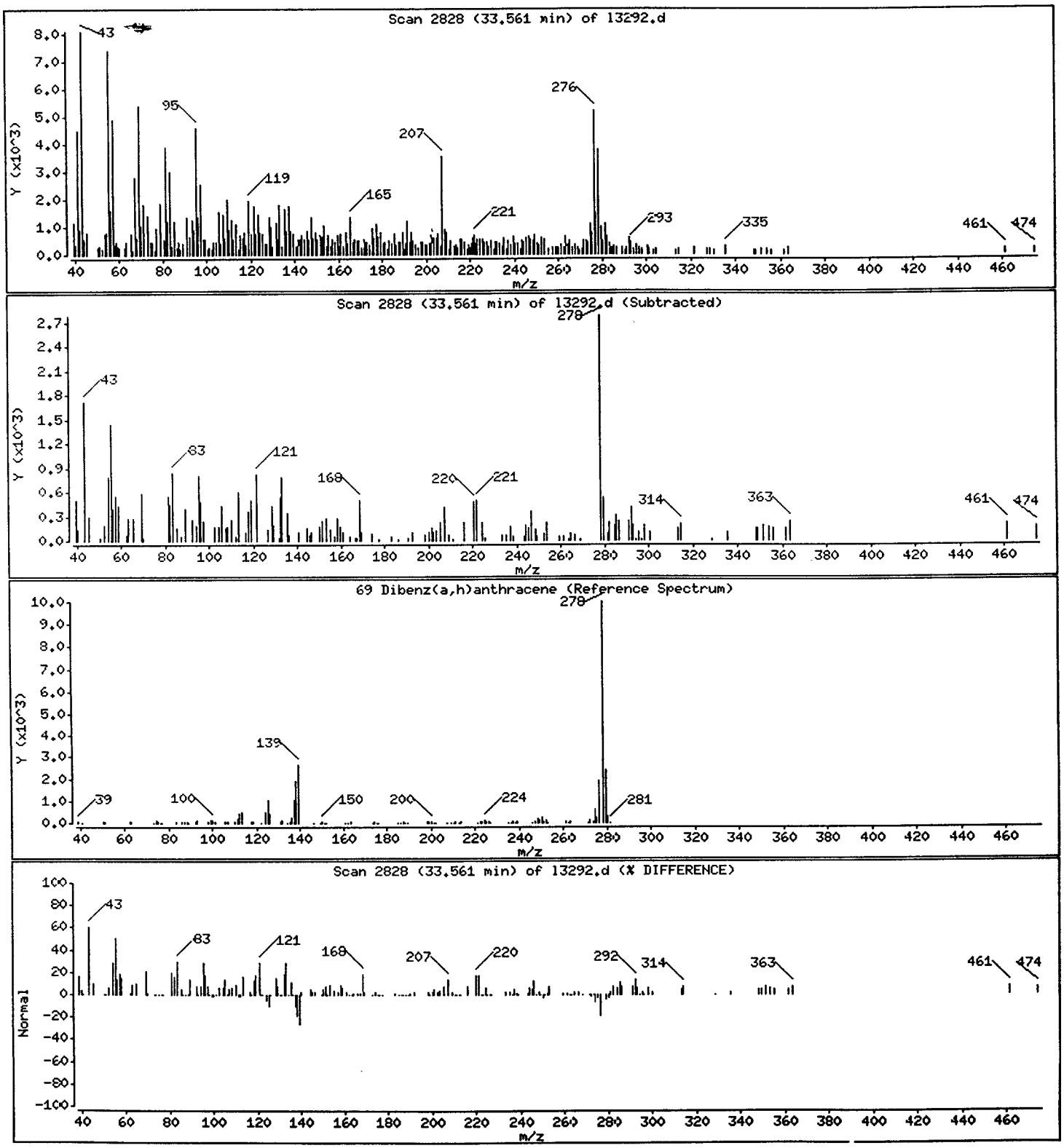
Client ID: EB-3_16-16.5 Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

69 Dibenz(a,h)anthracene Concentration: 260 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

Client ID: EB-3_16-16.5

Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

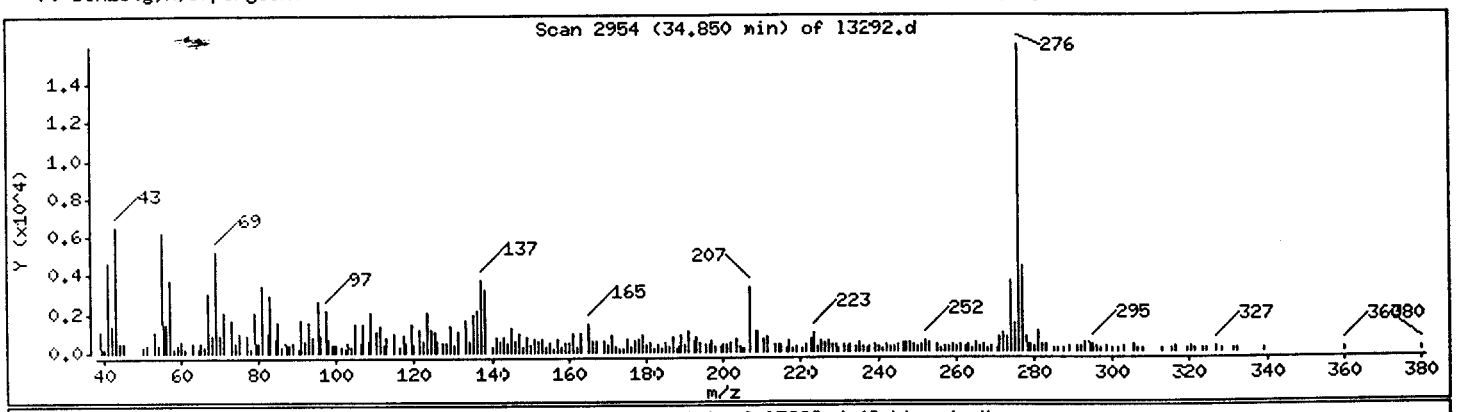
Operator: BNAMS 4

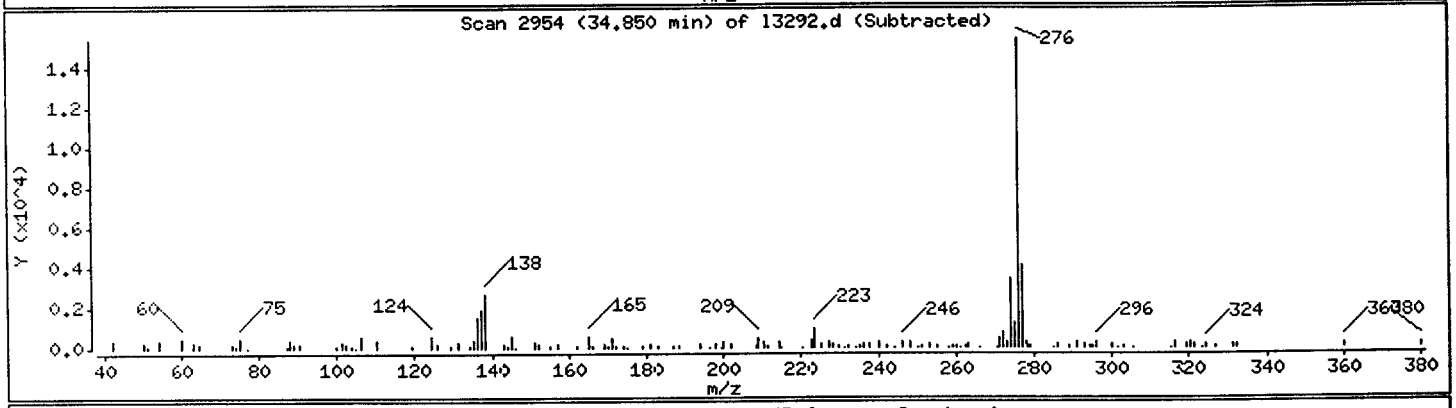
Column phase: DB-5

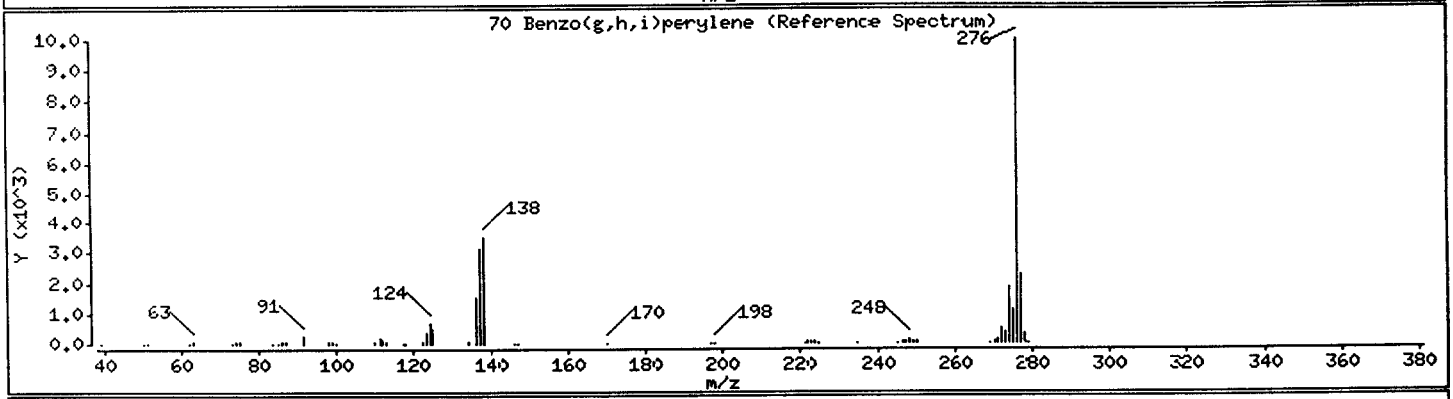
Column diameter: 0.25

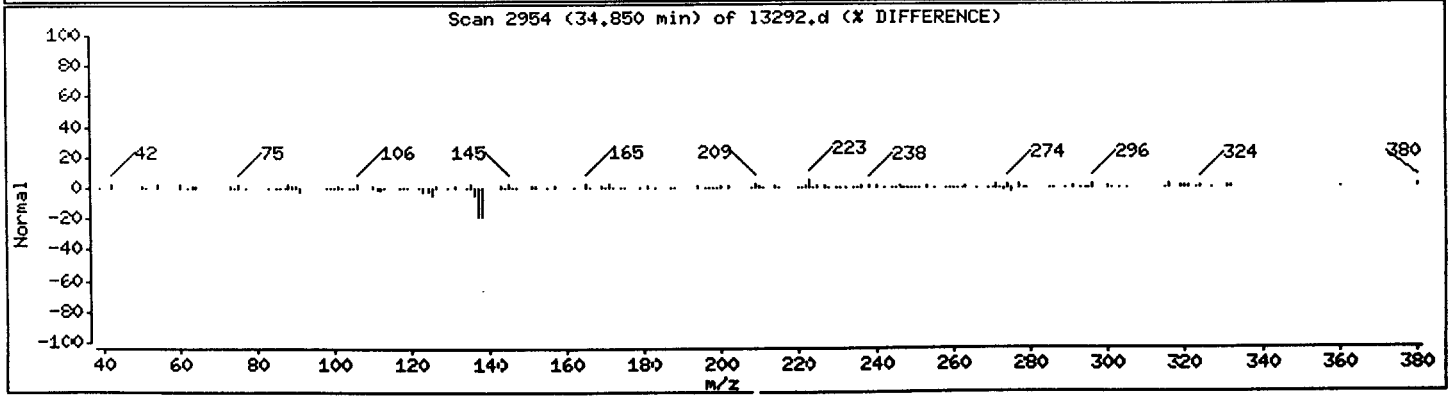
70 Benzo(g,h,i)perylene

Concentration: 1400 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

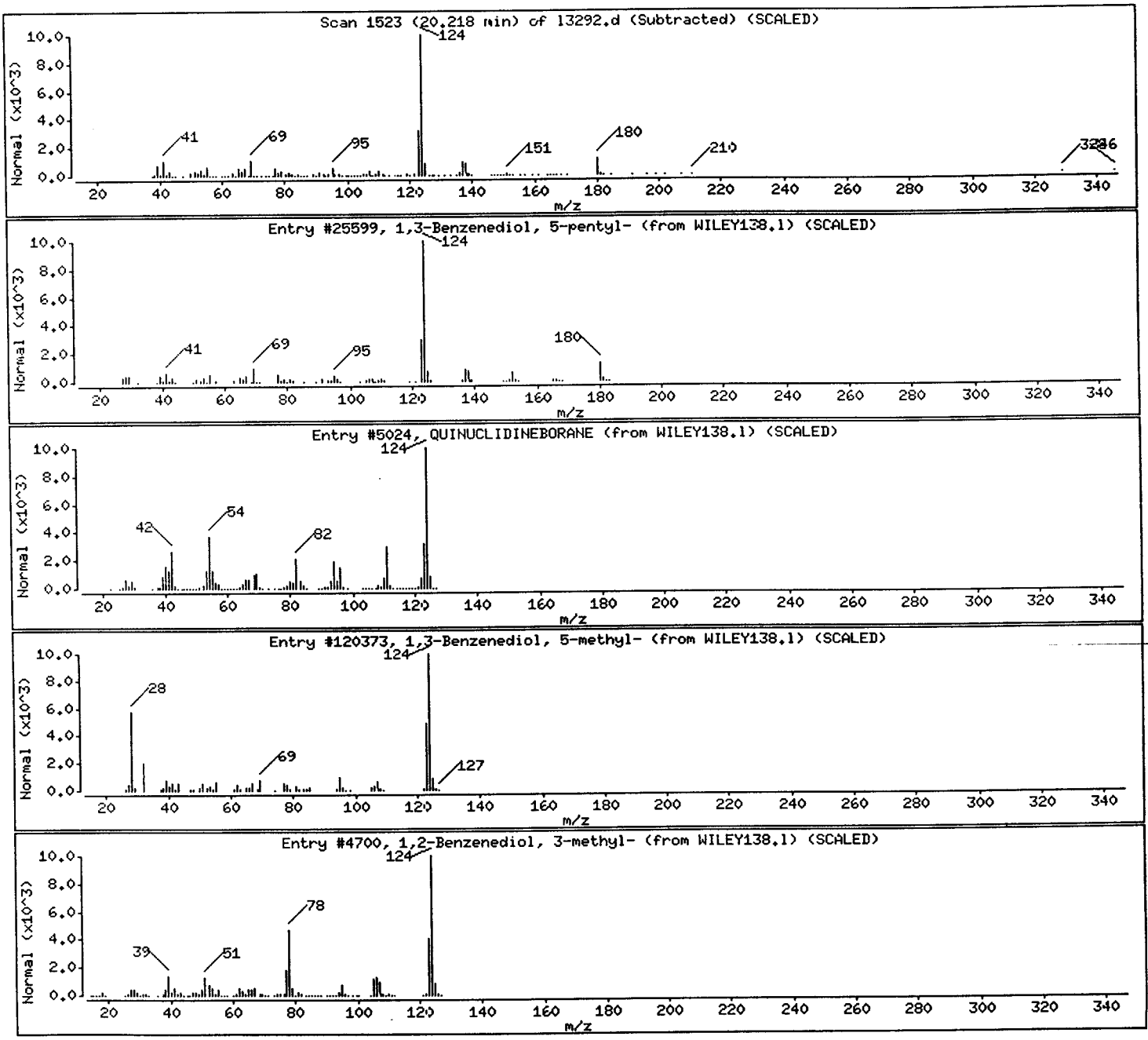
Client ID: EB-3_16-16.5 Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pentyl benzenediol isomer		WILEY138.l	25599	91	C11H16O2	180
QUINUCLIDINEBORANE	0-00-0	WILEY138.l	5024	64	C7H16BN	125
1,3-Benzenediol, 5-methyl-	504-15-4	WILEY138.l	120373	59	C7H8O2	124
1,2-Benzenediol, 3-methyl-	488-17-5	WILEY138.l	4700	53	C7H8O2	124



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

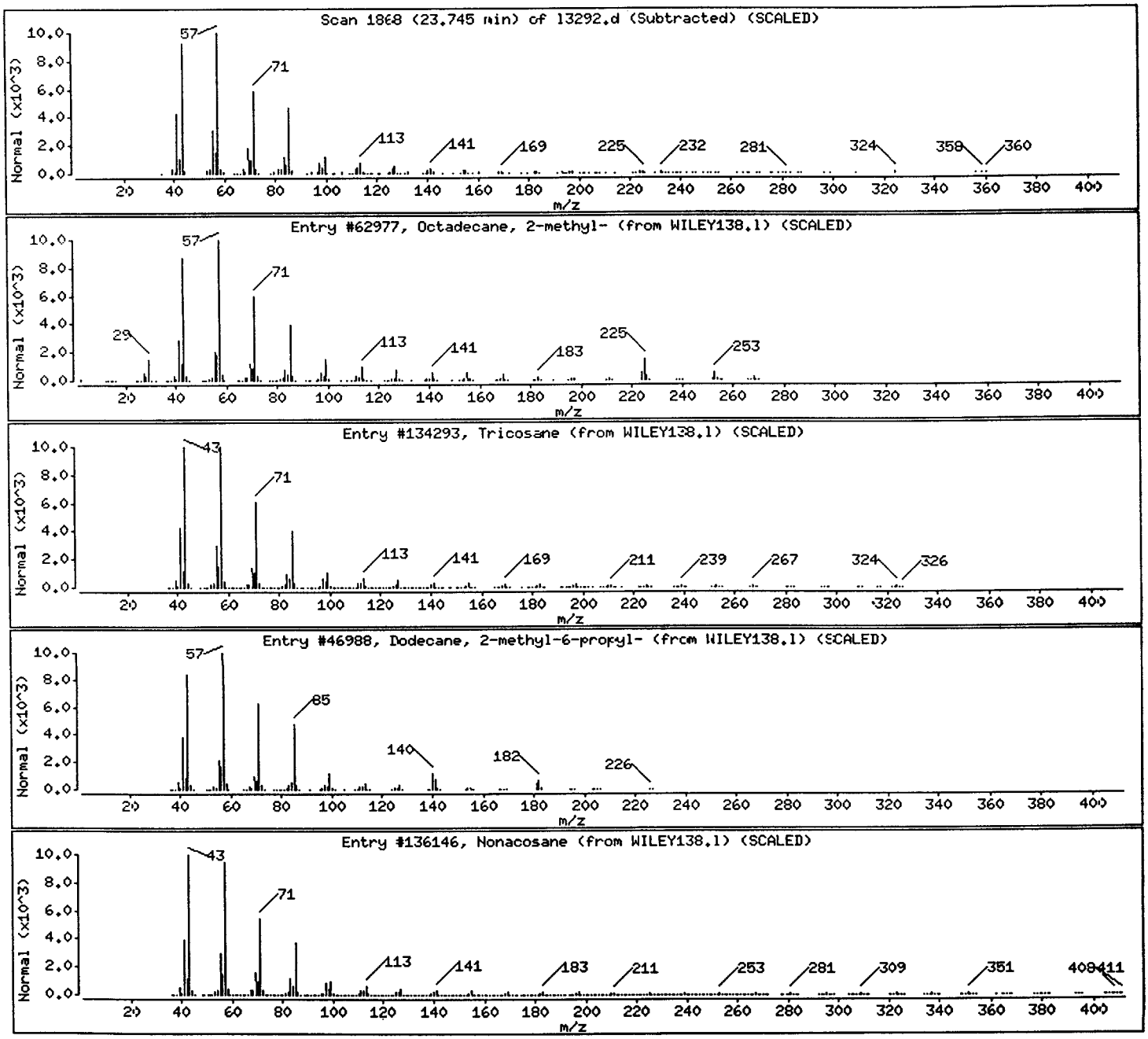
Client ID: EB-3_16-16.5 Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Octadecane, 2-methyl-	1560-88-9	WILEY138.l	62977	95	C19H40	268
Tricosane	638-67-5	WILEY138.l	134293	93	C23H48	324
Dodecane, 2-methyl-6-propyl-	55045-08-4	WILEY138.l	46988	93	C16H34	226
Nonacosane	630-03-5	WILEY138.l	136146	91	C29H60	408



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

Client ID: EB-3_16-16.5

Instrument: BNAMS7.i

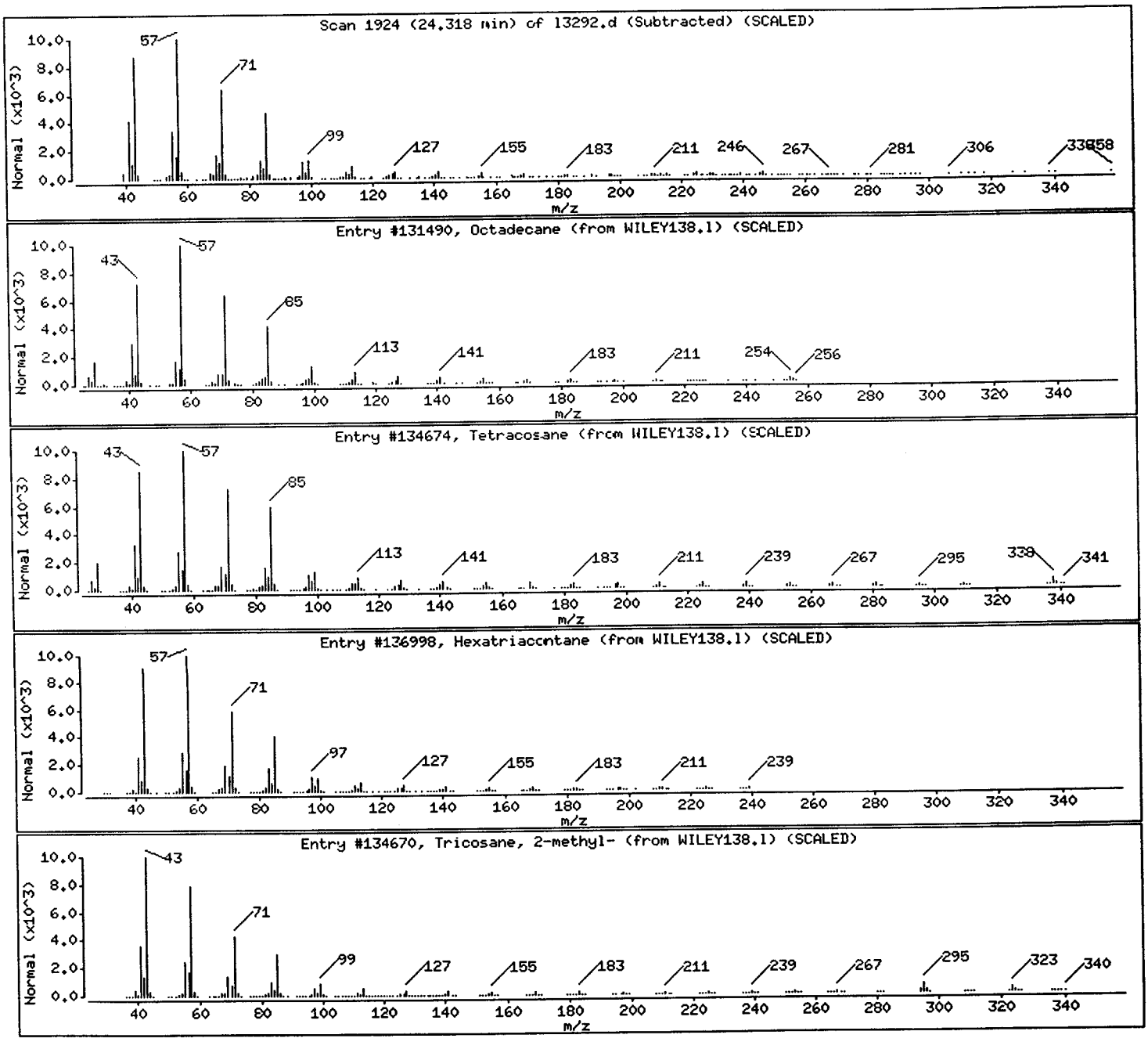
Sample Info: 237814;30;2;5;23.1;

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Octadecane	593-45-3	WILEY138.l	131490	95	C18H38	254
Tetracosane	646-31-1	WILEY138.l	134674	94	C24H50	338
Hexatriacontane	630-06-8	WILEY138.l	136998	93	C36H74	507
Tricosane, 2-methyl-	1928-30-9	WILEY138.l	134670	93	C24H50	338



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

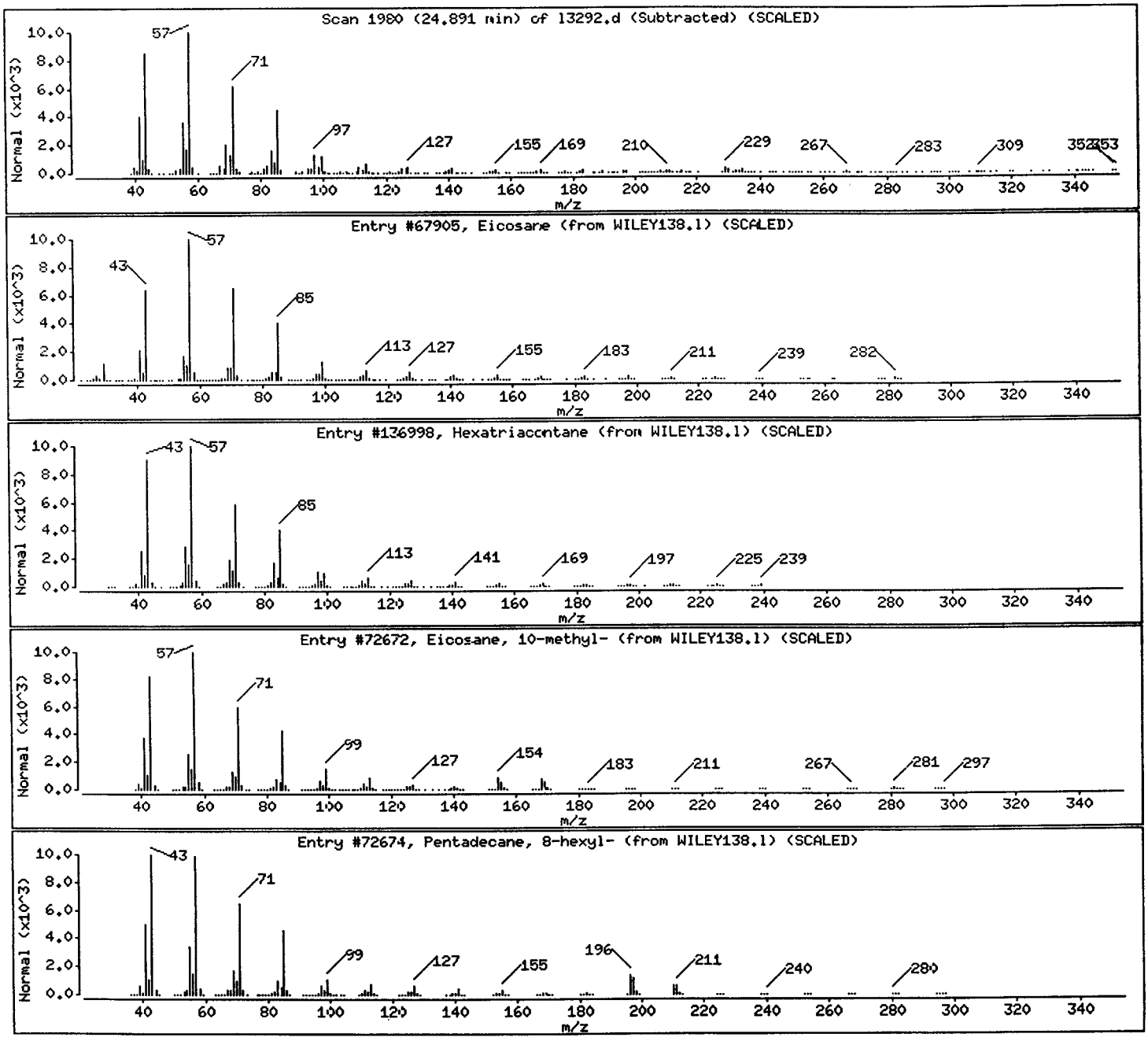
Client ID: EB-3_16-16.5 Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Eicosane	112-95-8	WILEY138.l	67905	95	C20H42	282
Hexatriacontane	630-06-8	WILEY138.l	136998	93	C36H74	507
Eicosane, 10-methyl-	54833-23-7	WILEY138.l	72672	91	C21H44	296
Pentadecane, 8-hexyl-	13475-75-7	WILEY138.l	72674	91	C21H44	296



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

Client ID: EB-3_16-16.5

Instrument: BNAMS7.i

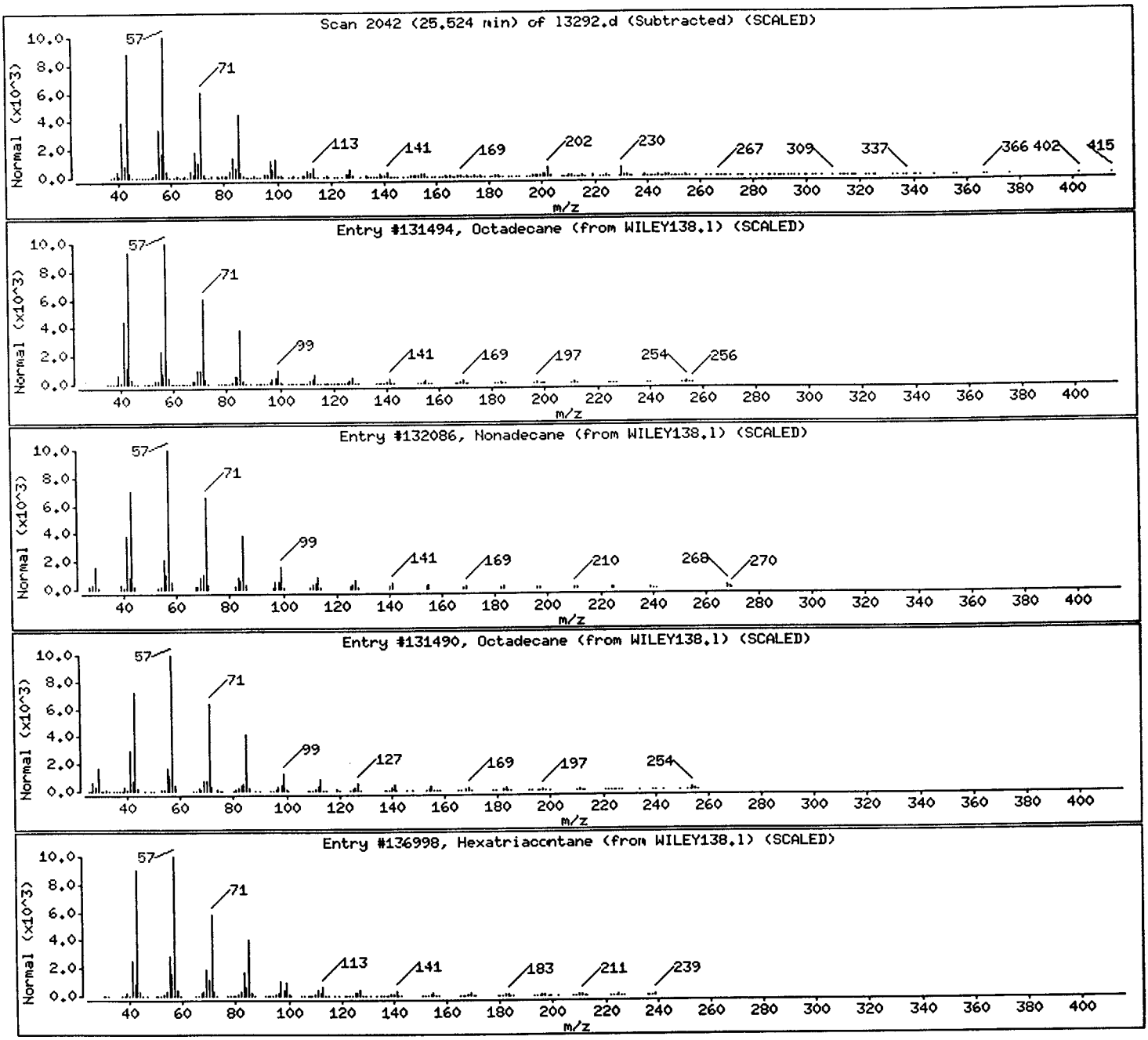
Sample Info: 237814;30;2;5;23.1;

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Octadecane	593-45-3	WILEY138.l	131494	96	C18H38	254
Nonadecane	629-92-5	WILEY138.l	132086	94	C19H40	268
Octadecane	593-45-3	WILEY138.l	131490	94	C18H38	254
Hexatriacontane	630-06-8	WILEY138.l	136998	93	C36H74	507



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

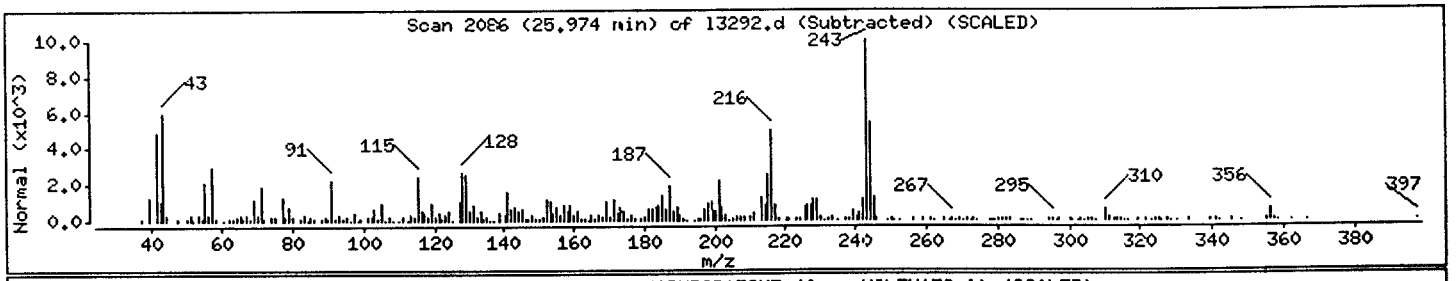
Client ID: EB-3_16-16.5 Instrument: BNAMS7.i

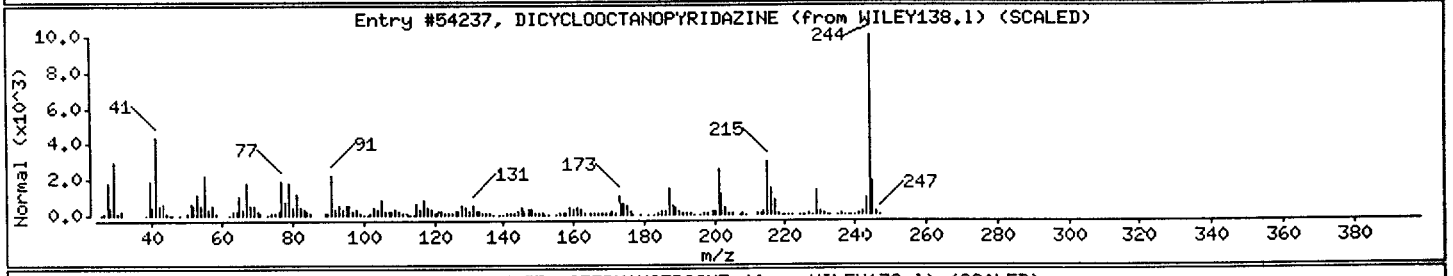
Sample Info: 237814;30;2;5;23.1;

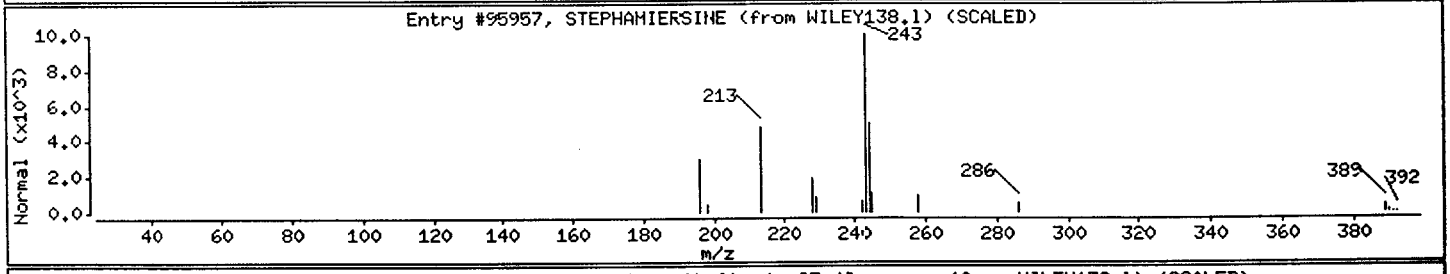
Operator: BNAMS 4

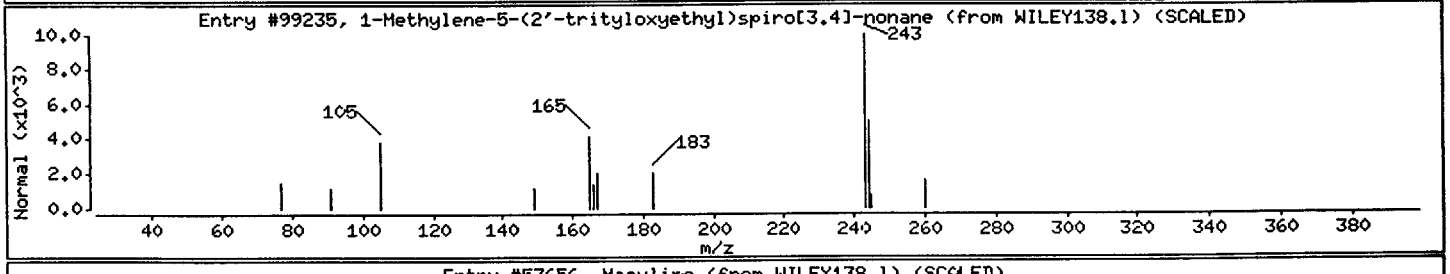
Column phase: DB-5 Column diameter: 0.25

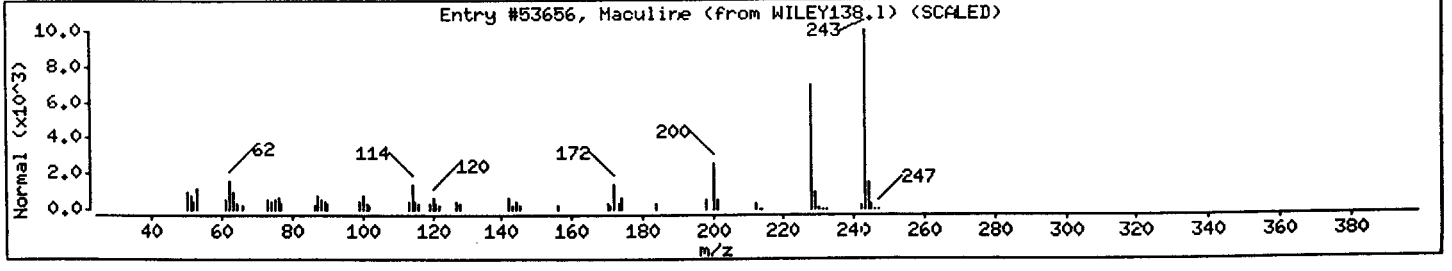
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
DICYCLOOCTANOPYRIDAZINE	0-00-0	WILEY138.l	54237	47	C16H24N2	244
STEPHAMIERSINE	52309-76-9	WILEY138.l	95957	38	C21H27NO6	389
1-Methylene-5-(2'-trityloxyethyl)spiro[3	64715-49-7	WILEY138.l	99235	38	C30H32O	408
Maculine	524-89-0	WILEY138.l	53656	30	C13H9NO4	243











Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

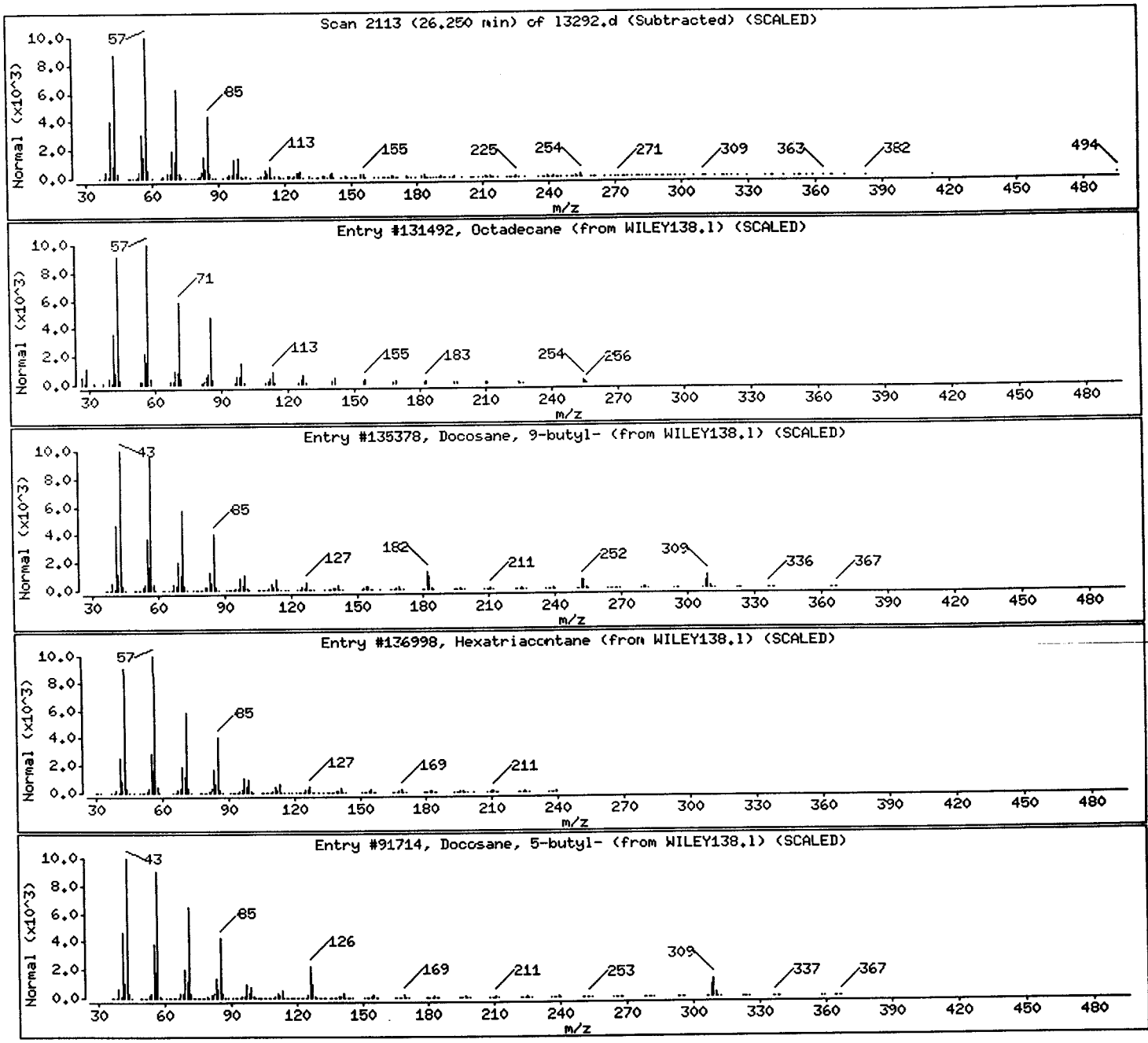
Client ID: EB-3_16-16.5 Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C18H38 Alkane						
Octadecane	593-45-3	WILEY138.l	131492	96	C18H38	254
Docosane, 9-butyl-	55282-14-9	WILEY138.l	135378	95	C26H54	366
Hexatriacontane	630-06-8	WILEY138.l	136998	94	C36H74	507
Docosane, 5-butyl-	55282-16-1	WILEY138.l	91714	93	C26H54	366



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

Client ID: EB-3_16-16.5

Instrument: BNAMS7.i

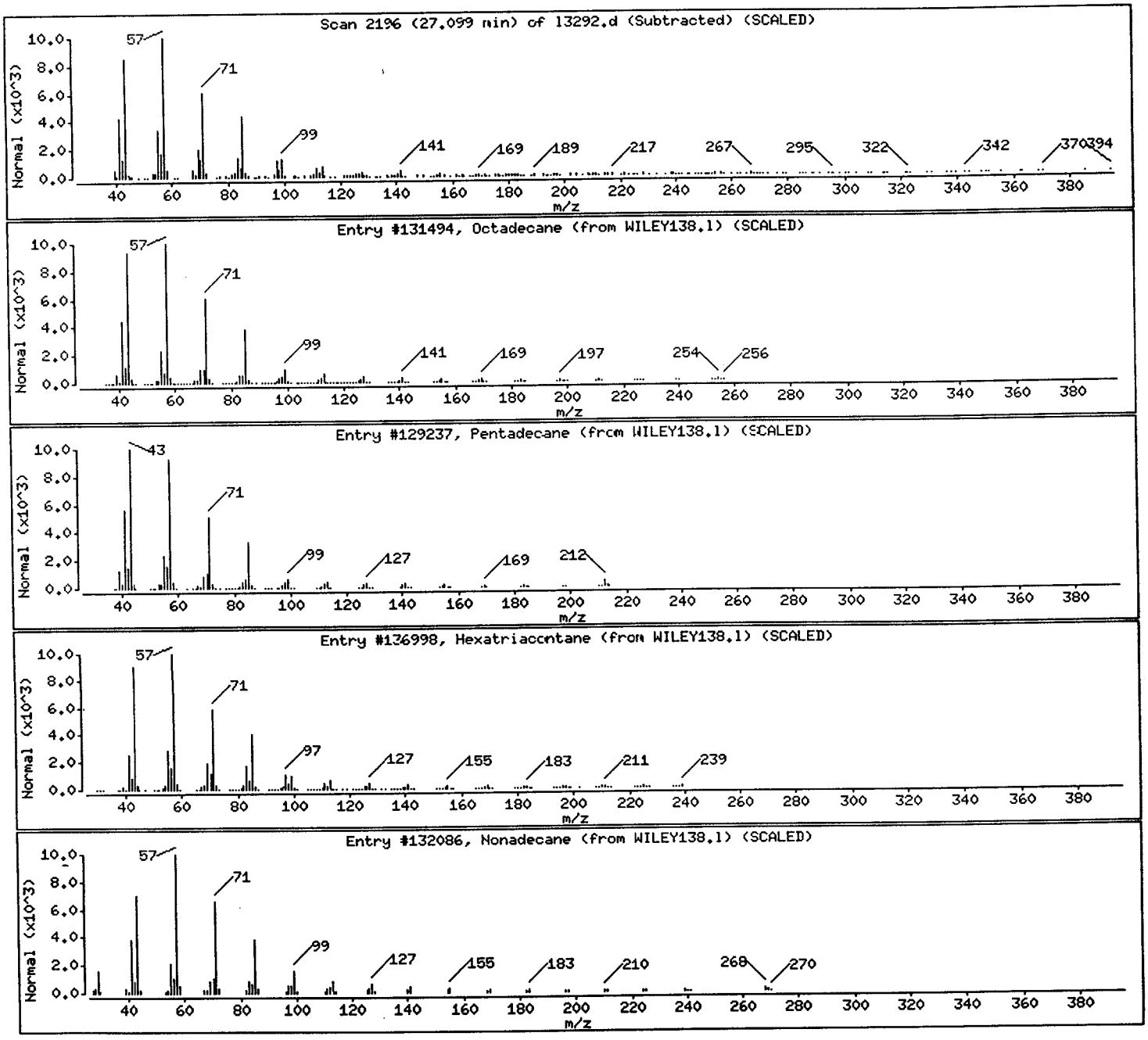
Sample Info: 237814;30;2;5;23.1;

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Octadecane	593-45-3	WILEY138.l	131494	95	C18H38	254
Pentadecane	629-62-9	WILEY138.l	129237	95	C15H32	212
Hexatriacontane	630-06-8	WILEY138.l	136998	95	C36H74	507
Nonadecane	629-92-5	WILEY138.l	132086	94	C19H40	268



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

Client ID: EB-3_16-16.5

Instrument: BNAMS7.i

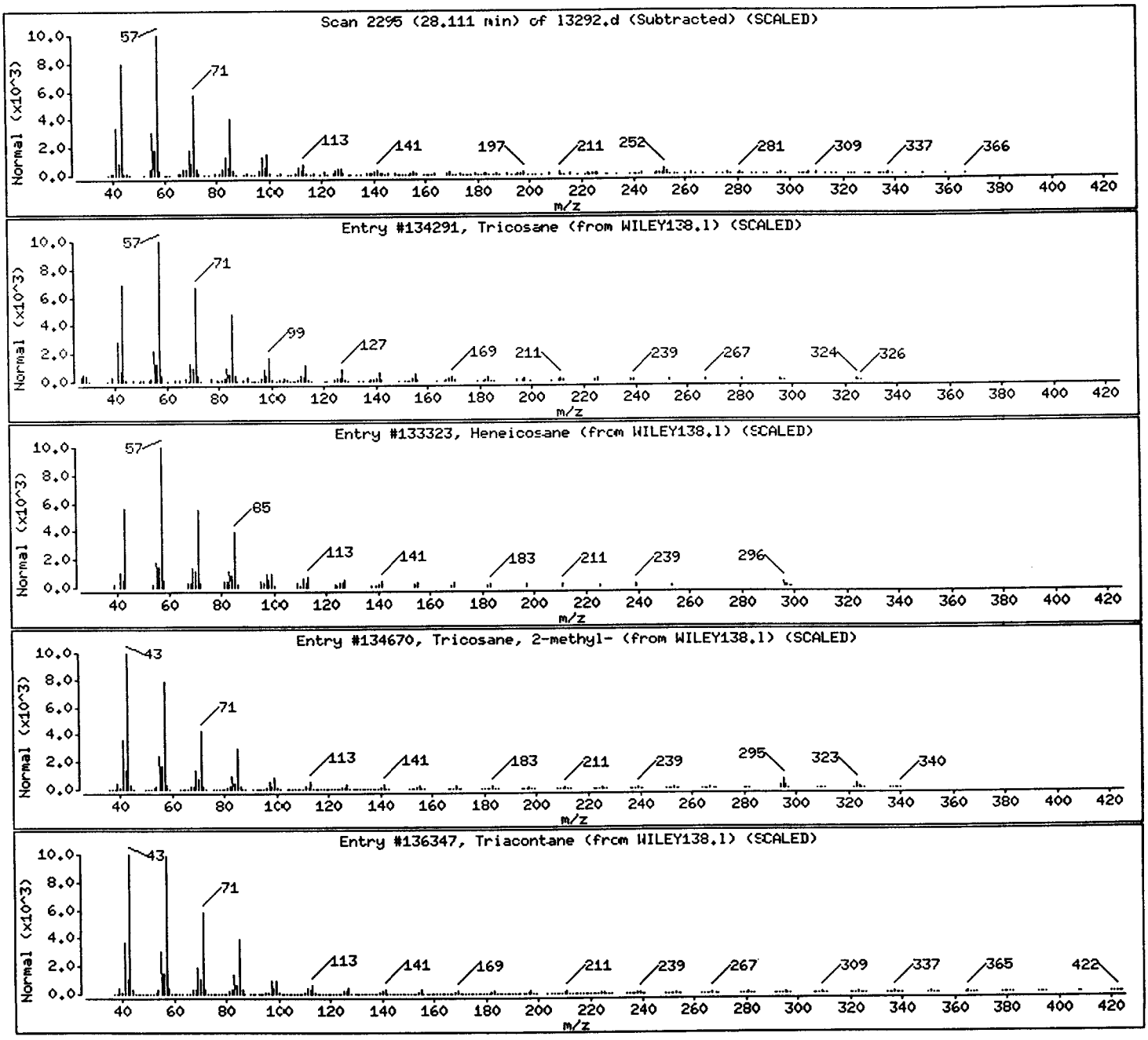
Sample Info: 237814;30;2;5;23.1;

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tricosane	638-67-5	WILEY138.1	134291	95	C23H48	324
Heneicosane	629-94-7	WILEY138.1	133323	93	C21H44	296
Tricosane, 2-methyl-	1928-30-9	WILEY138.1	134670	93	C24H50	338
Triacontane	638-68-6	WILEY138.1	136347	90	C30H62	422



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

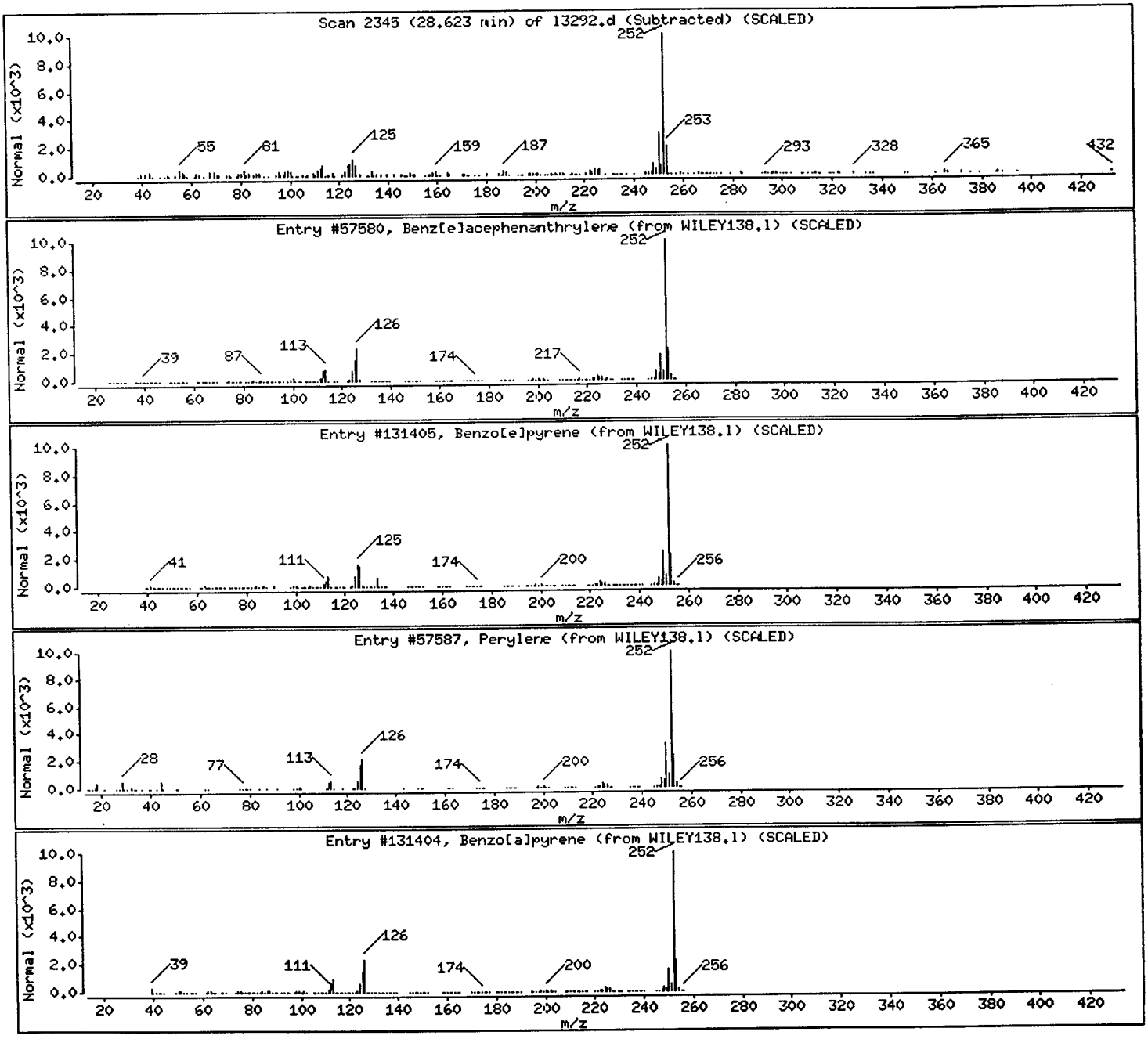
Client ID: EB-3_16-16.5 Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C20H12 PAH						
Benz[e]acephenanthrylene	205-99-2	WILEY138.1	57580	90	C20H12	252
Benzo[e]pyrene	192-97-2	WILEY138.1	131405	90	C20H12	252
Perylene	198-55-0	WILEY138.1	57587	81	C20H12	252
Benzo[a]pyrene	50-32-8	WILEY138.1	131404	81	C20H12	252



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

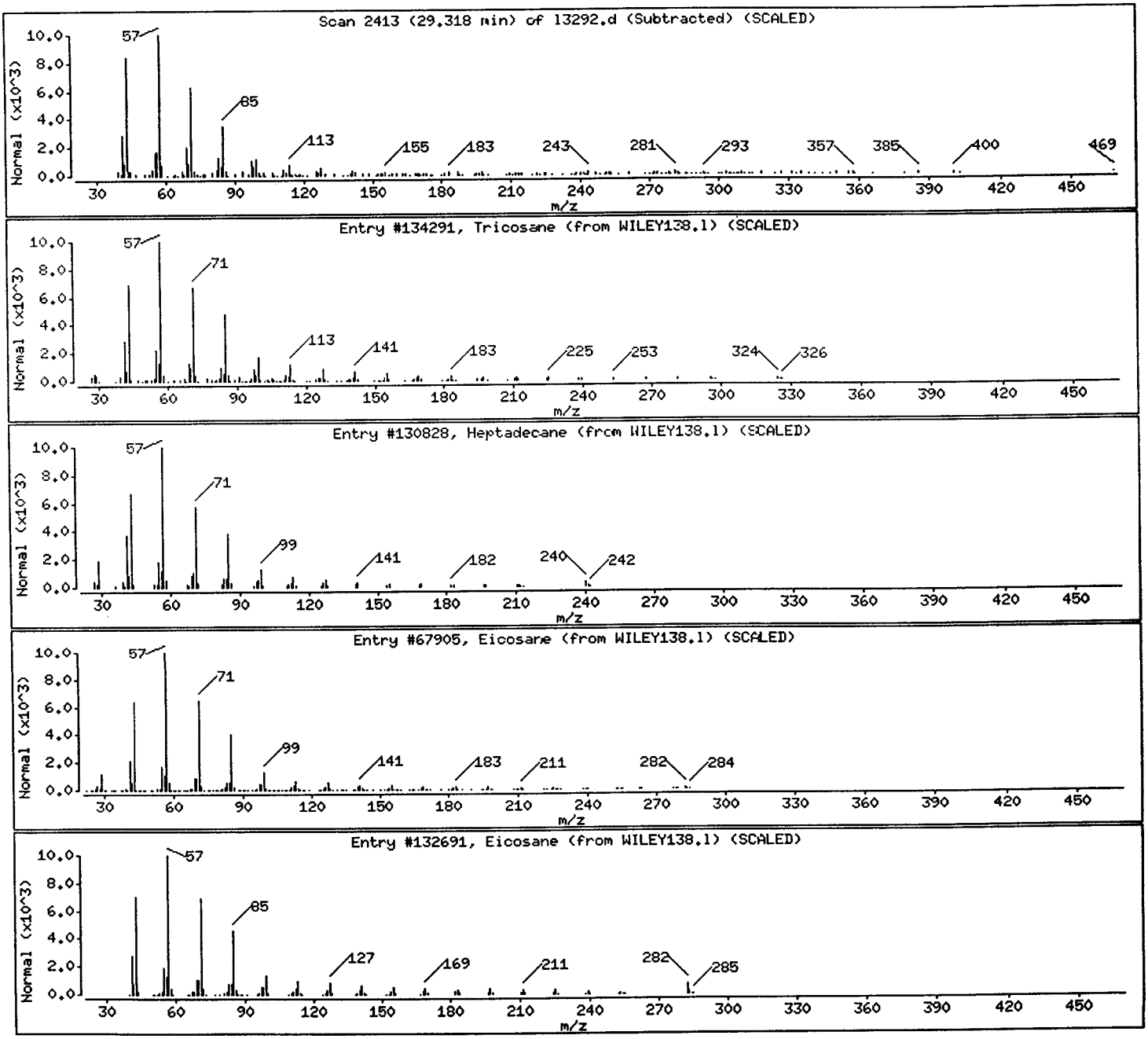
Client ID: EB-3_16-16.5 Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tricosane	638-67-5	WILEY138.1	134291	95	C23H48	324
Heptadecane	629-78-7	WILEY138.1	130828	95	C17H36	240
Eicosane	112-95-8	WILEY138.1	67905	94	C20H42	282
Eicosane	112-95-8	WILEY138.1	132691	93	C20H42	282



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Date : 01-NOV-2000 01:55

Client ID: EB-3_16-16.5

Instrument: BNAMS7.i

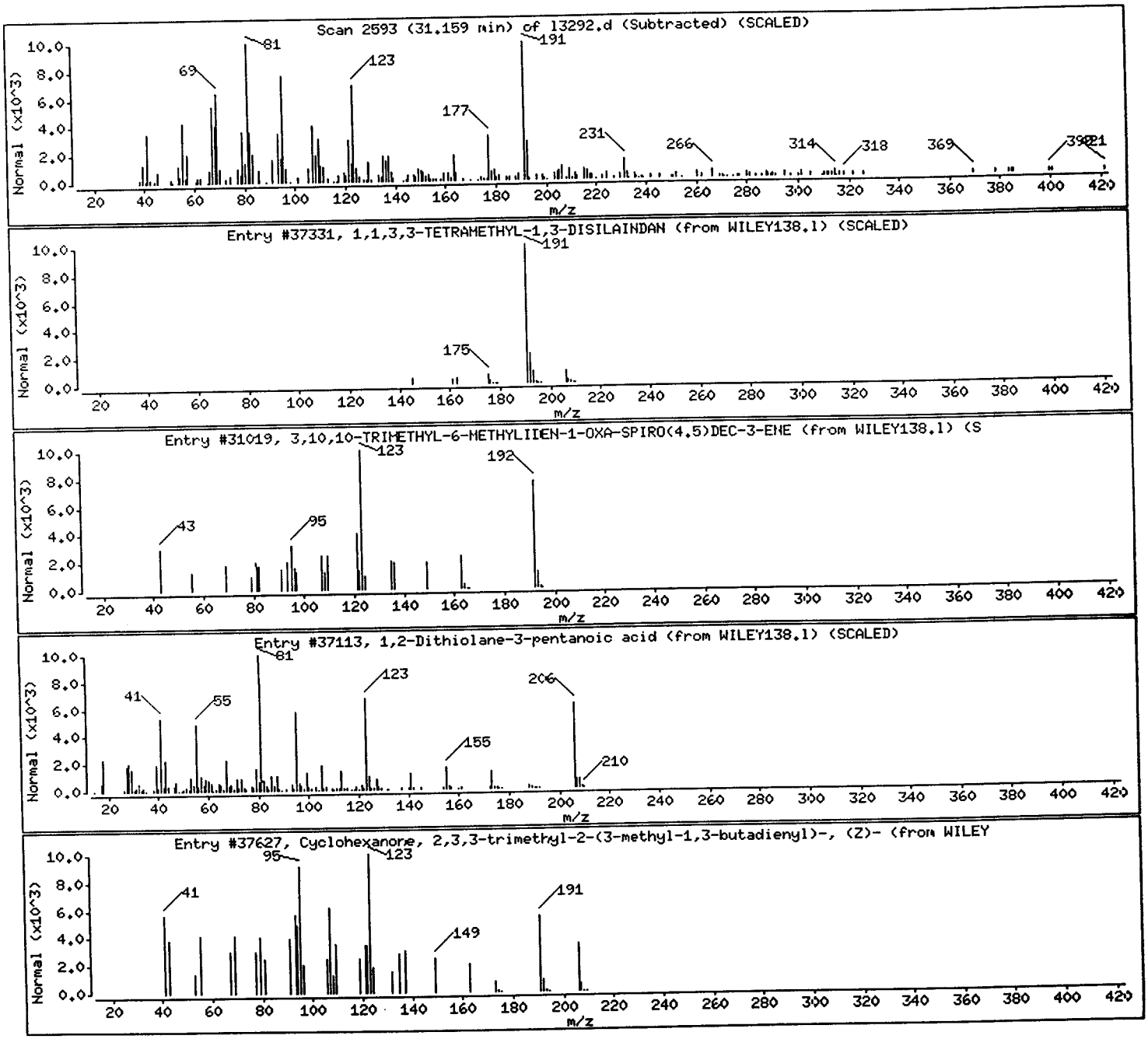
Sample Info: 237814;30;2;5;23.1;

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1,1,3,3-TETRAMETHYL-1,3-DISILAINDAN	54113-93-8	WILEY138.l	37331	72	C11H18Si2	206
3,10,10-TRIMETHYL-6-METHYLIDEN-1-OXA-SPI	54345-76-5	WILEY138.l	31019	56	C13H20O	192
1,2-Dithiolane-3-pentanoic acid	62-46-4	WILEY138.l	37113	38	C8H14O2S2	206
Cyclohexanone, 2,3,3-trimethyl-2-(3-meth	69296-90-8	WILEY138.l	37627	35	C14H22O	206



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

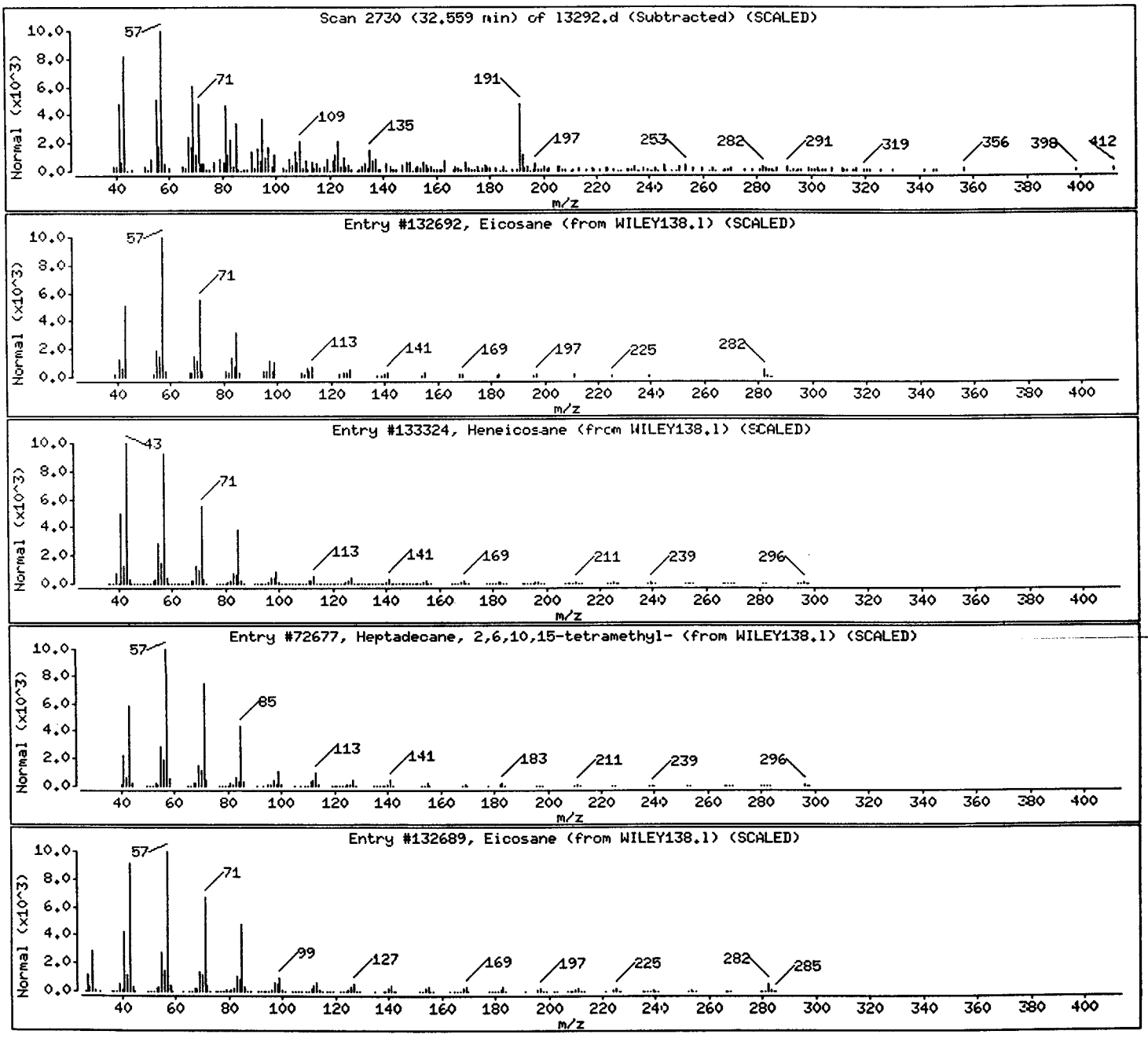
Client ID: EB-3_16-16.5 Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane/Unknown						
Eicosane	112-95-8	WILEY138.1	132692	52	C20H42	282
Heneicosane	629-94-7	WILEY138.1	133324	47	C21H44	296
Heptadecane, 2,6,10,15-tetramethyl-	54833-48-6	WILEY138.1	72677	47	C21H44	296
Eicosane	112-95-8	WILEY138.1	132689	47	C20H42	282



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00a.b/13292.d

Date : 01-NOV-2000 01:55

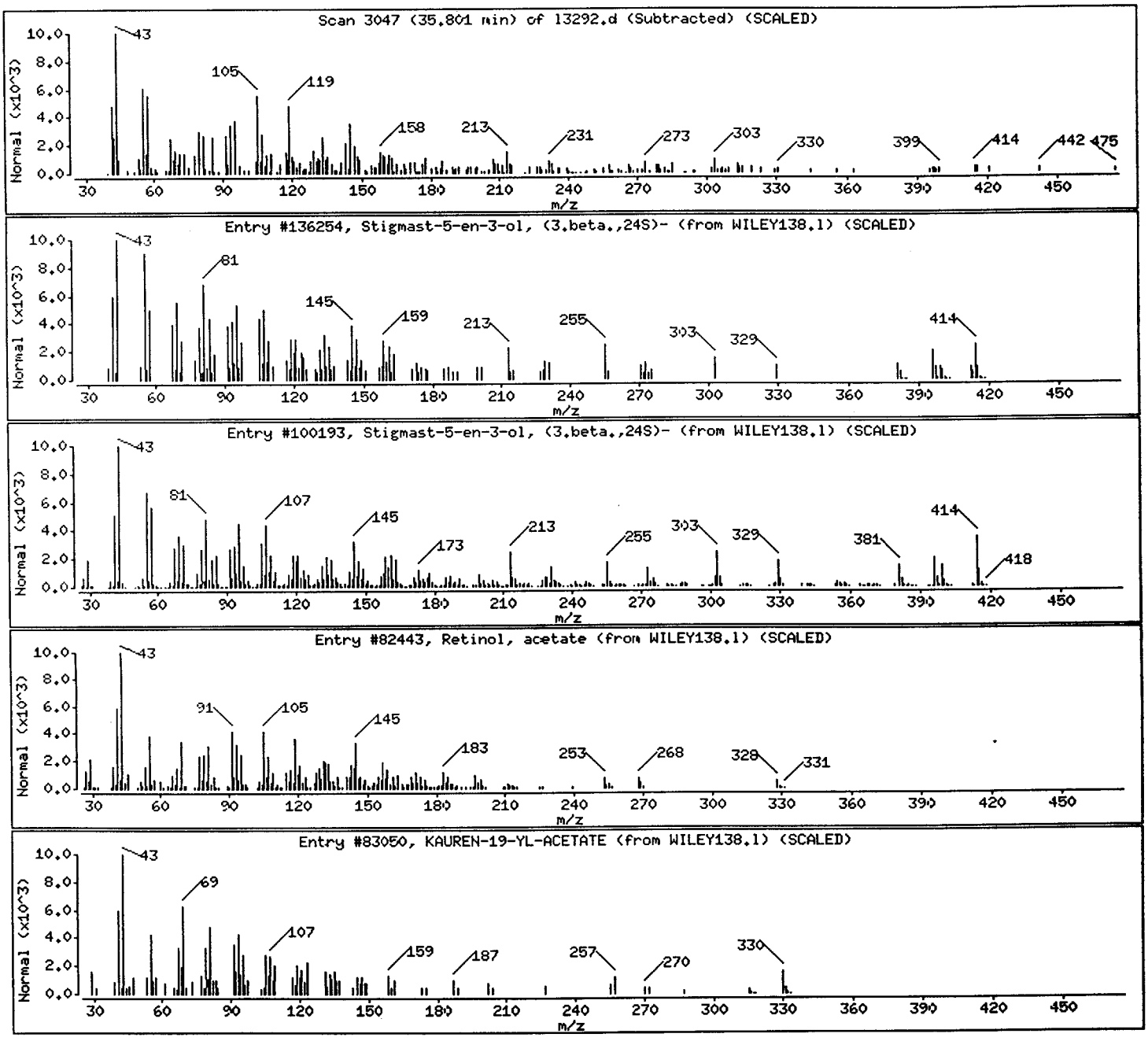
Client ID: EB-3_16-16.5 Instrument: BNAMS7.i

Sample Info: 237814;30;2;5;23.1;

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Sterol						
Stigmast-5-en-3-ol, (3.beta.,24S)-	83-47-6	WILEY138.1	136254	55	C29H500	414
Stigmast-5-en-3-ol, (3.beta.,24S)-	83-47-6	WILEY138.1	100193	46	C29H500	414
Retinol, acetate	127-47-9	WILEY138.1	82443	37	C22H32O2	328
KAUREN-19-YL-ACETATE	0-00-0	WILEY138.1	83050	35	C22H34O2	330



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Date : 01-NOV-2000 01:55

Client ID: EB-3_16-16.5

Instrument: BNAMS7.i

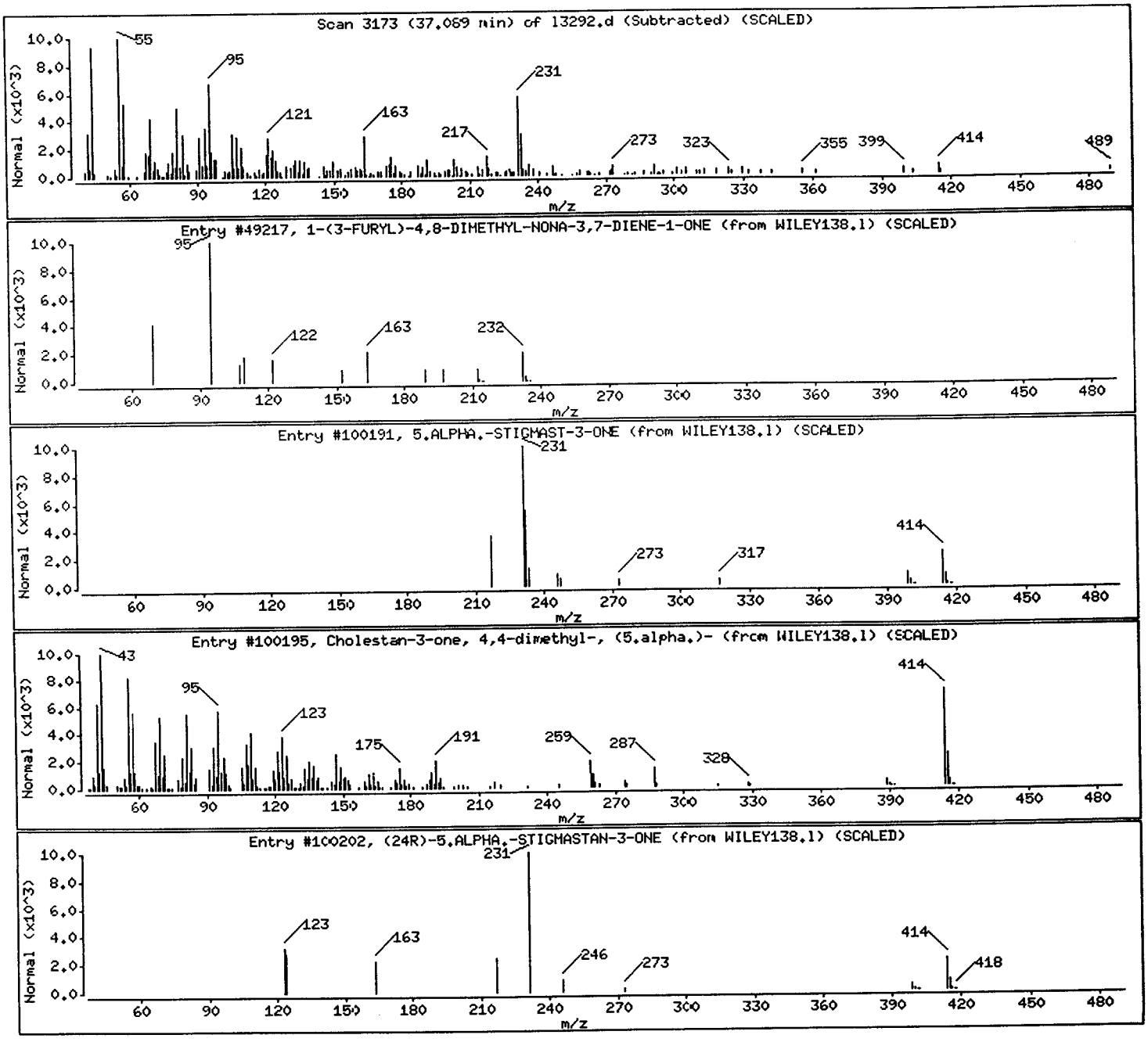
Sample Info: 237814;30;2;5;23.1;

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-(3-FURYL)-4,8-DIMETHYL-NONA-3,7-DIENE-	69301-75-3	WILEY138.l	49217	38	C15H20O2	232
5.ALPHA.-STIGMAST-3-ONE	83-46-5	WILEY138.l	100191	38	C29H500	414
Cholestan-3-one, 4,4-dimethyl-, (5.alpha	2097-65-0	WILEY138.l	100195	38	C29H500	414
(24R)-5.ALPHA.-STIGMASTAN-3-ONE	5060-25-3	WILEY138.l	100202	22	C29H500	414



Client ID: **EB-4_1.5-2**
Site: Rexam DSI

Lab Sample No: **237815**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: 13269.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 8

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
N-Nitrosodimethylamine	ND	360
bis(2-Chloroethyl)ether	ND	36
1,3-Dichlorobenzene	ND	360
1,4-Dichlorobenzene	ND	360
1,2-Dichlorobenzene	ND	360
bis(2-chloroisopropyl)ether	ND	360
N-Nitroso-di-n-propylamine	ND	36
Hexachloroethane	ND	36
Nitrobenzene	ND	36
Isophorone	ND	360
bis(2-Chloroethoxy)methane	ND	360
1,2,4-Trichlorobenzene	ND	36
Naphthalene	71 J	360
Hexachlorobutadiene	ND	72
Hexachlorocyclopentadiene	ND	360
2-Chloronaphthalene	ND	360
Dimethylphthalate	ND	360
Acenaphthylene	290 J	360
2,6-Dinitrotoluene	ND	72
Acenaphthene	54 J	360
2,4-Dinitrotoluene	ND	72
Diethylphthalate	ND	360
4-Chlorophenyl-phenylether	ND	360
Fluorene	78 J	360
N-Nitrosodiphenylamine	ND	360
4-Bromophenyl-phenylether	ND	360
Hexachlorobenzene	ND	36
Phenanthrene	1000	360
Anthracene	380	360
Di-n-butylphthalate	ND	360
Fluoranthene	2500	360
Pyrene	2600	360
Benzidine	ND	1400
Butylbenzylphthalate	ND	360

Client ID: **EB-4_1.5-2**
Site: Rexam DSI

Lab Sample No: **237815**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3269.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 8

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
3,3'-Dichlorobenzidine	ND	720
Benzo(a)anthracene	1300	36
Chrysene	1300	360
bis(2-Ethylhexyl)phthalate	ND	360
Di-n-octylphthalate	ND	360
Benzo(b)fluoranthene	2000	36
Benzo(k)fluoranthene	940	36
Benzo(a)pyrene	1300	36
Indeno(1,2,3-cd)pyrene	490	36
Dibenz(a,h)anthracene	81	36
Benzo(g,h,i)perylene	370	360

Client ID: **EB-4_1.5-2**
Site: Rexam DSI

Lab Sample No: **237815**
Lab Job No: F104

Date Sampled: 10/25/00
Date Received: 10/27/00
Date Extracted: 10/28/00
Date Analyzed: 10/31/00
GC Column: DB-5
Instrument ID: BNAMS7.i
Lab File ID: l3269.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 7.9

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

	COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1.	Unknown Alkane	19.79	290	
2.	C15H10/C15H12 PAHs	21.79	310	
3.	Unknown Alkane	24.89	430	
4.	Unknown	27.55	330	
5.	C20H12 PAH	28.13	750	
6.	C20H12 PAH	28.67	1400	
7.	C20H12 PAH	29.12	510	
8.	Unknown	29.49	310	
9.	Unknown Alkane	30.83	470	
10.	Unknown	31.22	1100	
11.	Unknown	32.61	710	
12.	Unknown	33.61	520	
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	7130

Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00.b/l3269.d
Report Date: 31-Oct-2000 11:08

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS7.i/8270/10-27-00/31oct00.b/l3269.d
Lab Smp Id: 237815 Client Smp ID: EB-4_1.5-2
Inj Date : 31-OCT-2000 09:27
Operator : BNAMS 4 Inst ID: BNAMS7.i
Smp Info : 237815;30;2;1;7.9
Misc Info : F104;PPBN+15;6924;114
Comment :
Method : /chem/BNAMS7.i/8270/10-27-00/31oct00.b/8270C1.m
Meth Date : 31-Oct-2000 06:58 acierno Quant Type: ISTD
Cal Date : 27-OCT-2000 12:29 Cal File: l3224.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPBNb.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	2.00000	Volume of final extract (ml)
Ws	30.00000	Weight of sample extracted (g)
M	7.90000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
* 79 1,4-Dichlorobenzene-d4	152	13.180	13.180	(1.000)	304047	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	14.131	14.142	(0.920)	595963	45.5933	3300
* 80 Naphthalene-d8	136	15.358	15.358	(1.000)	1263682	40.0000	
31 Naphthalene	128	15.389	15.399	(1.002)	31022	0.98606	71(a)
$ 77 2-Fluorobiphenyl (SUR)	172	17.147	17.158	(0.937)	946271	48.0115	3500
39 Acenaphthylene	152	18.057	18.068	(0.987)	125659	4.03854	290(a)
* 82 Acenaphthene-d10	164	18.293	18.303	(1.000)	724953	40.0000	
42 Acenaphthene	153	18.344	18.364	(1.003)	14716	0.75408	54(a)
47 Fluorene	166	19.203	19.213	(1.050)	23693	1.08525	78(a)
* 83 Phenanthrene-d10	188	20.777	20.788	(1.000)	1287298	40.0000	
52 Phenanthrene	178	20.818	20.829	(1.002)	434371	13.7857	1000
53 Anthracene	178	20.900	20.911	(1.006)	168904	5.31214	380
56 Fluoranthene	202	22.802	22.802	(1.097)	1176972	35.0433	2500

Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00.b/l3269.d
Report Date: 31-Oct-2000 11:08

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
	57 Pyrene	202	23.180	23.191	(0.918)	1125311	36.7323	2600
$	78 Terphenyl-d14 (SUR)	244	23.405	23.405	(0.927)	1242575	52.8621	3800
	61 Benzo(a)anthracene	228	25.235	25.236	(0.999)	549363	18.2281	1300
*	81 Chrysene-d12	240	25.256	25.266	(1.000)	1157172	40.0000	
	62 Chrysene	228	25.307	25.328	(1.002)	492735	17.6103	1300
	65 Benzo(b)fluoranthene	252	27.822	27.833	(0.958)	508365	27.9260	2000
	66 Benzo(k)fluoranthene	252	27.884	27.925	(0.960)	282920	13.0361	940
	67 Benzo(a)pyrene	252	28.845	28.866	(0.993)	332955	18.4719	1300
*	84 Perylene-d12	264	29.049	29.050	(1.000)	699372	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	33.538	33.579	(1.155)	117976	6.79389	490
	69 Dibenz(a,h)anthracene	278	33.630	33.733	(1.158)	19206	1.11840	81(M)
	70 Benzo(g,h,i)perylene	276	34.939	35.042	(1.203)	91148	5.16070	370(H)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

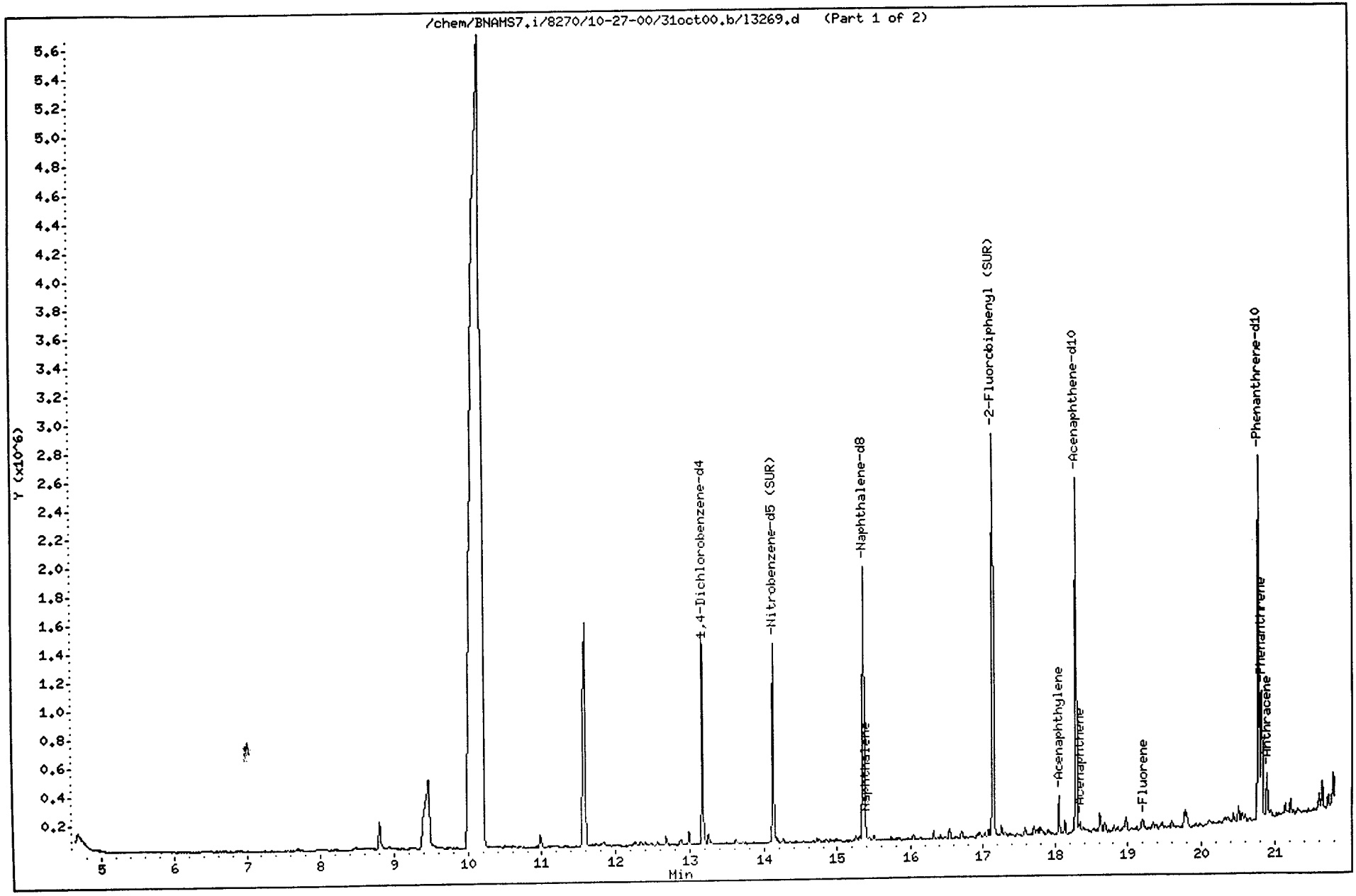
Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00.b/13269.d
Date : 31-OCT-2000 09:27
Client ID: EB-4_1.5-2
Sample Info: 237815;30;2;1;7.9

Column phase: DB-5

Instrument: BNAMS7.i

Operator: BNAMS 4
Column diameter: 0.25

577

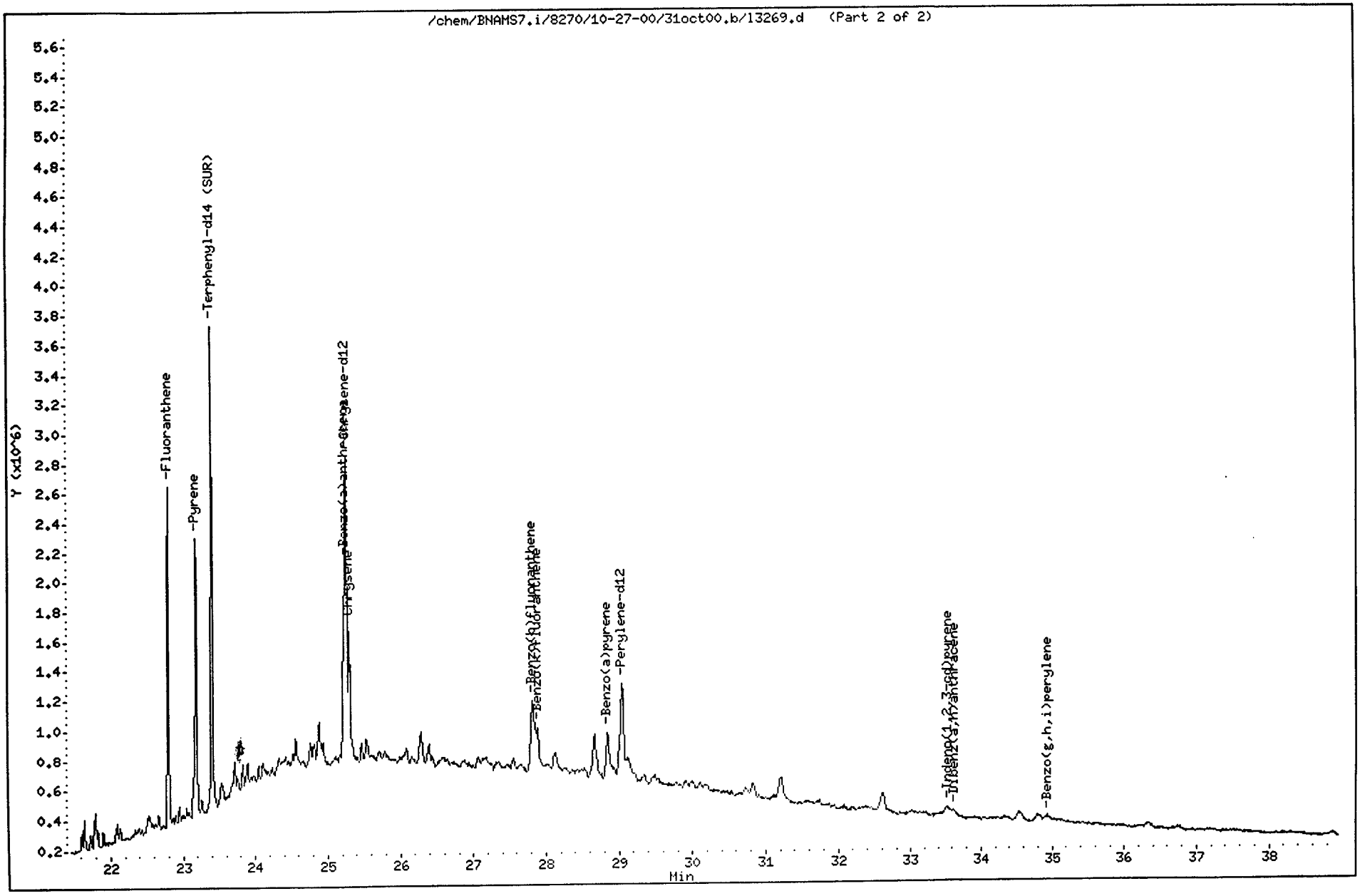


Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00.b/13269.d
Date : 31-OCT-2000 09:27
Client ID: EB-4_1.5-2
Sample Info: 237815;30;2;1;7.9

Instrument: BNAMS7.i

Operator: BNAMS 4
Column diameter: 0.25

Column phase: DB-5



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00.b/13269.d

Date : 31-OCT-2000 09:27

Client ID: EB-4_1.5-2

Instrument: BNAMS7.i

Sample Info: 237815;30;2;1;7.9

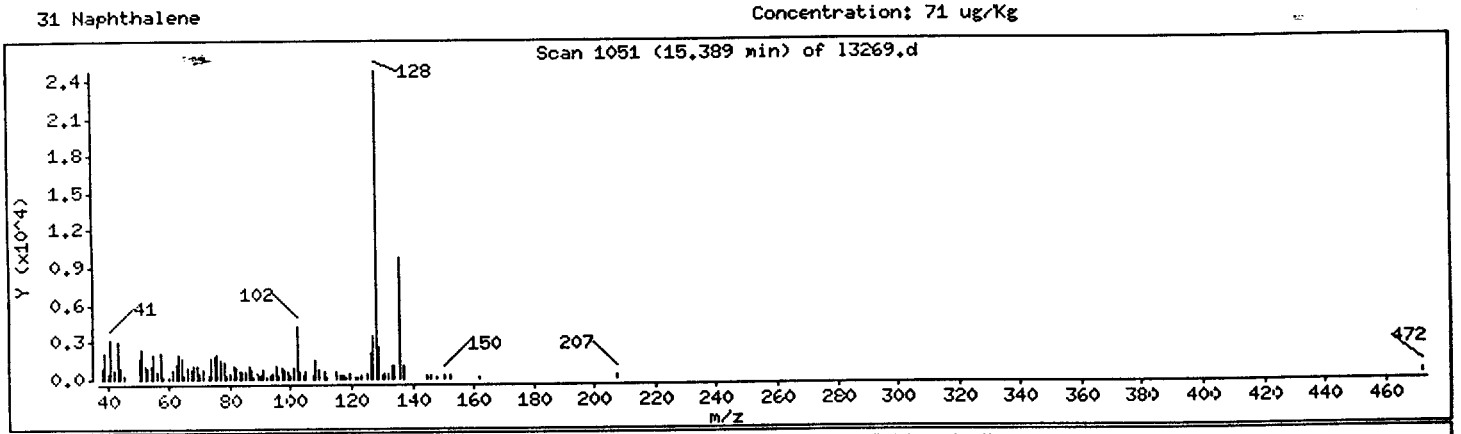
Operator: BNAMS 4

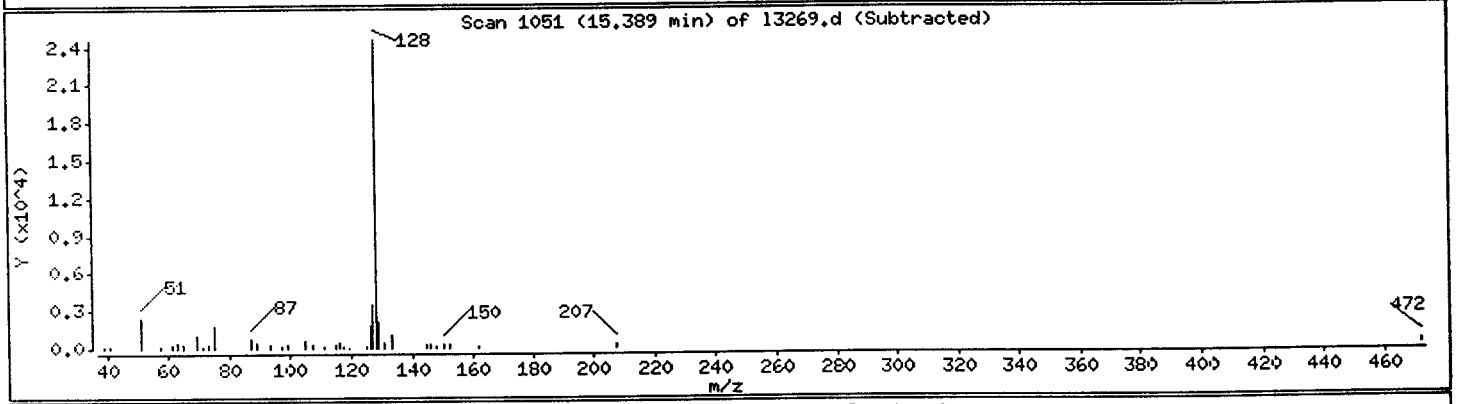
Column phase: DB-5

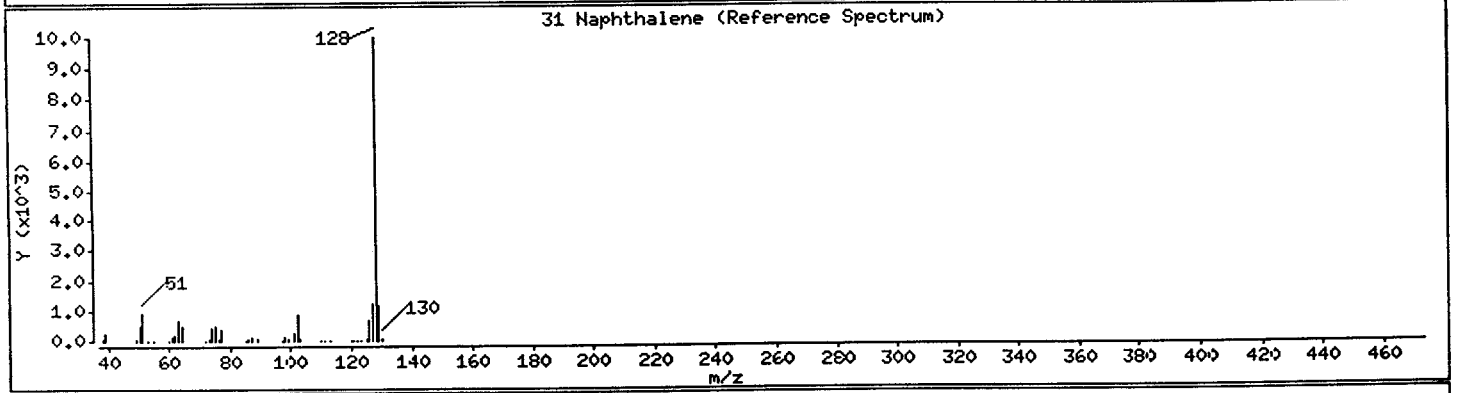
Column diameter: 0.25

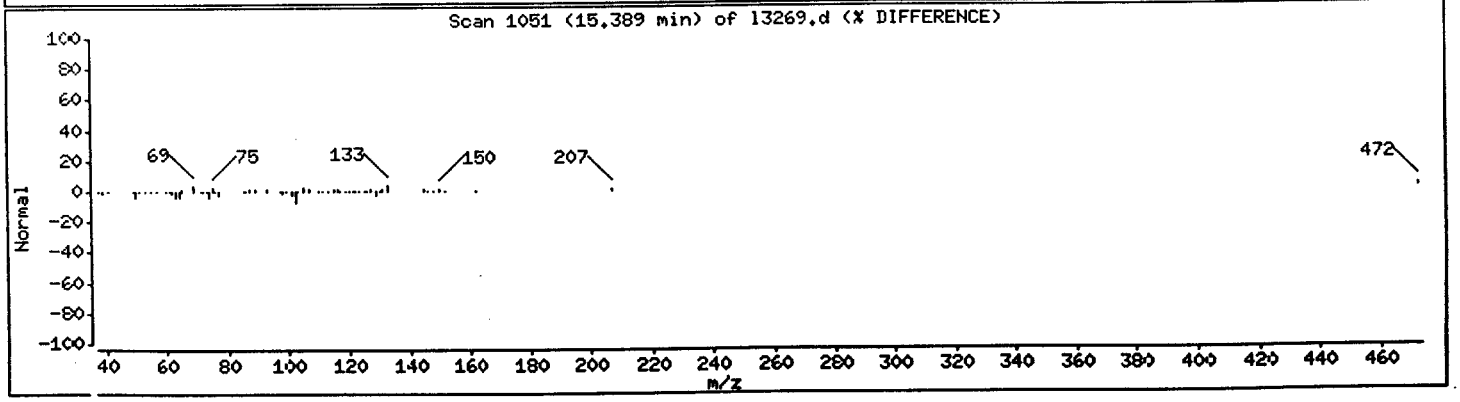
31 Naphthalene

Concentration: 71 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00.b/13269.d

Date : 31-OCT-2000 09:27

Client ID: EB-4_1.5-2

Instrument: BNAMS7.i

Sample Info: 237815;30;2;1;7.9

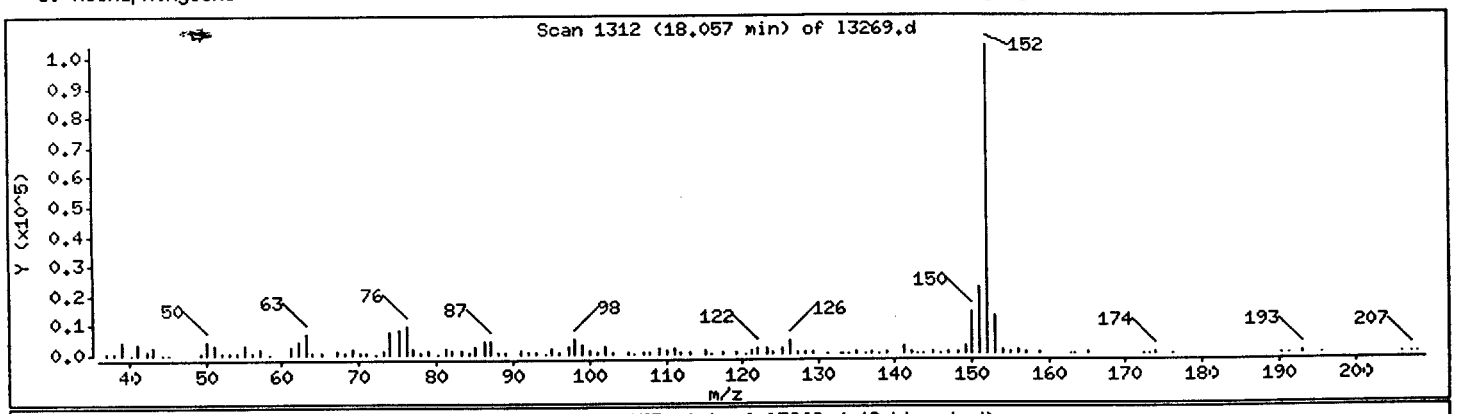
Operator: BNAMS 4

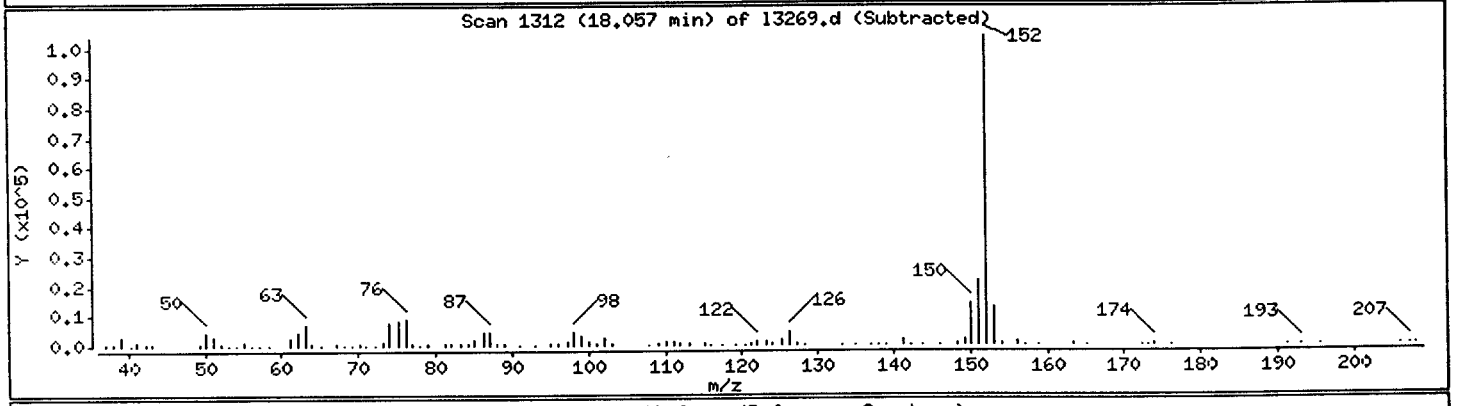
Column phase: DB-5

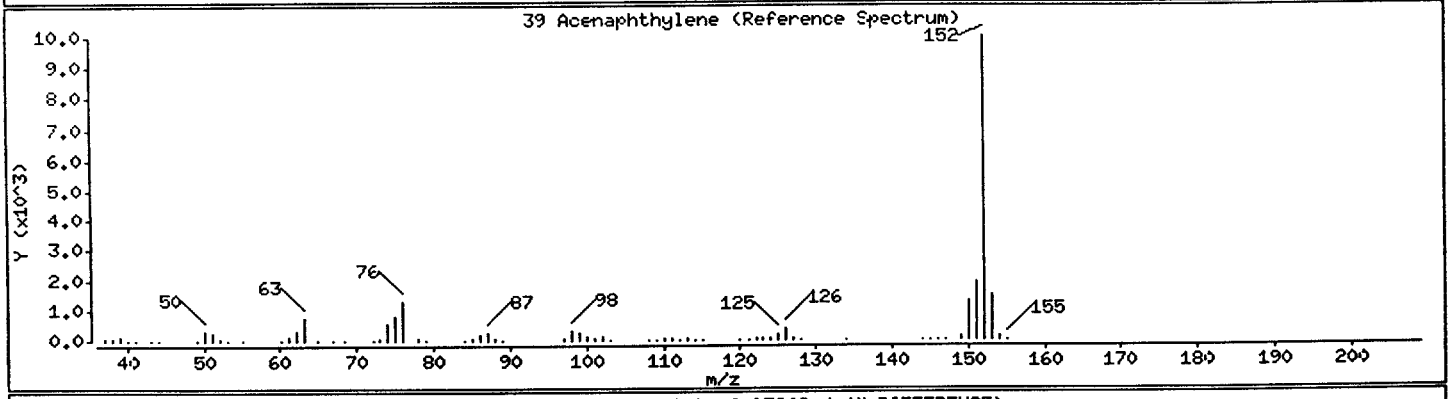
Column diameter: 0.25

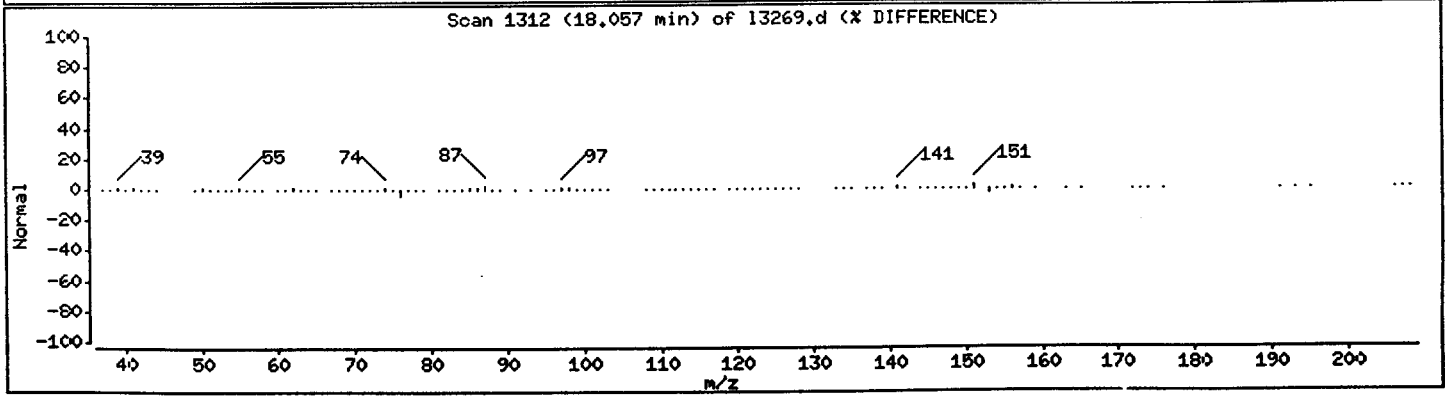
39 Acenaphthylene

Concentration: 290 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00.b/13269.d

Date : 31-OCT-2000 09:27

Client ID: EB-4_1.5-2

Instrument: BNAMS7.i

Sample Info: 237815;30;2;1;7.9

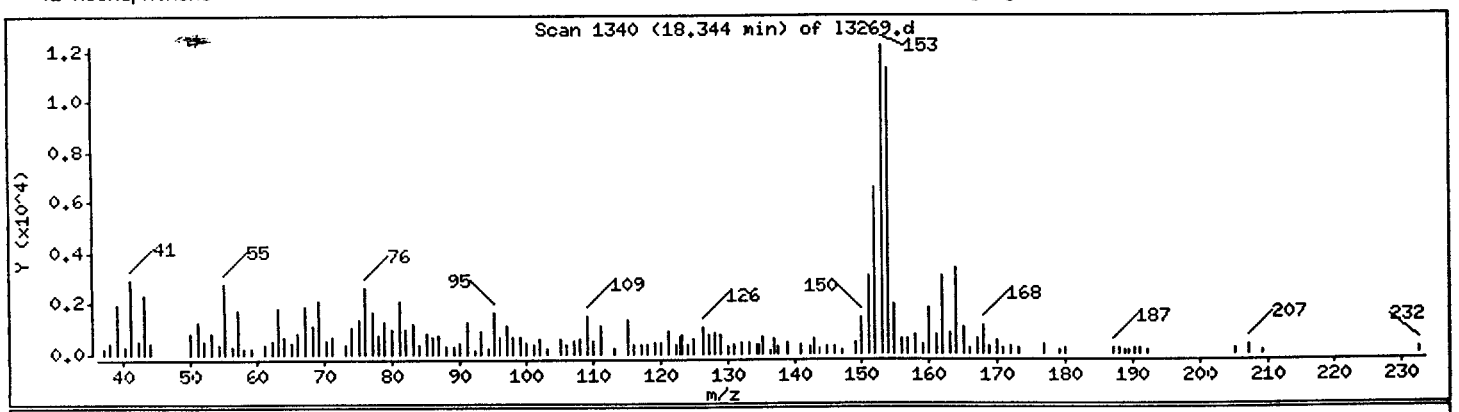
Operator: BNAMS 4

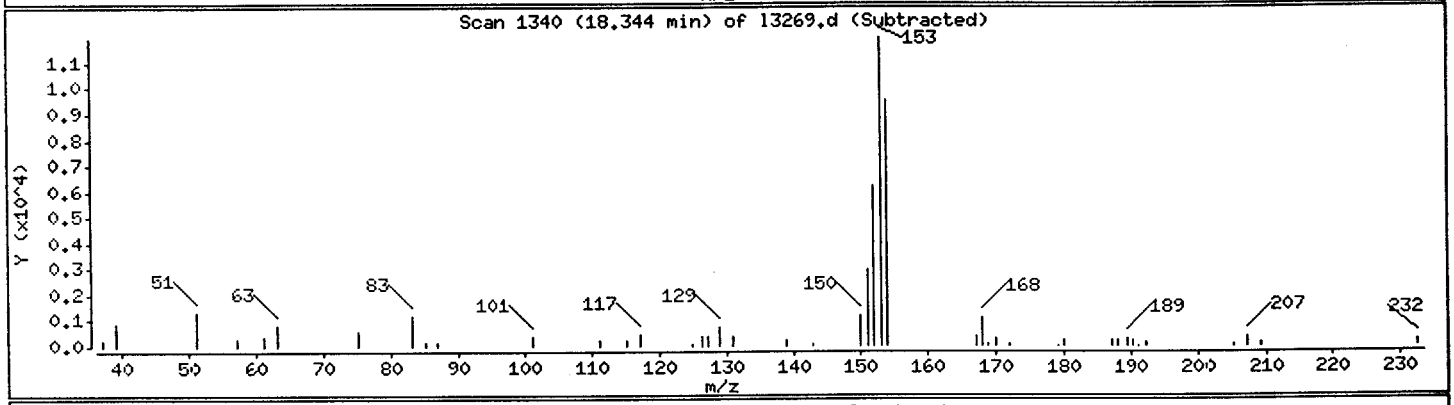
Column phase: DB-5

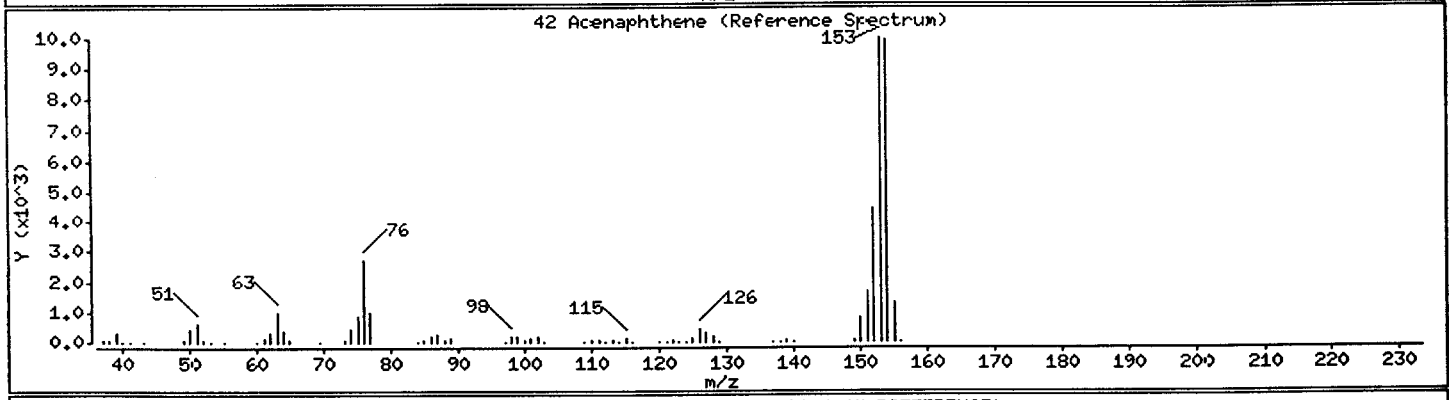
Column diameter: 0.25

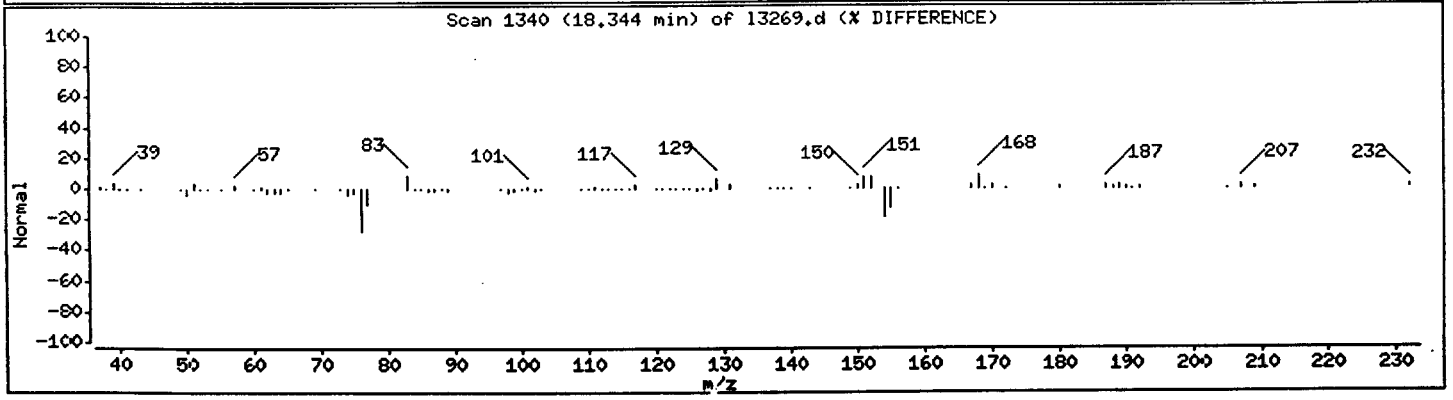
42 Acenaphthene

Concentration: 54 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00.b/13269.d

Date : 31-OCT-2000 09:27

Client ID: EB-4_1.5-2

Instrument: BNAMS7.i

Sample Info: 237815;30;2;1;7.9

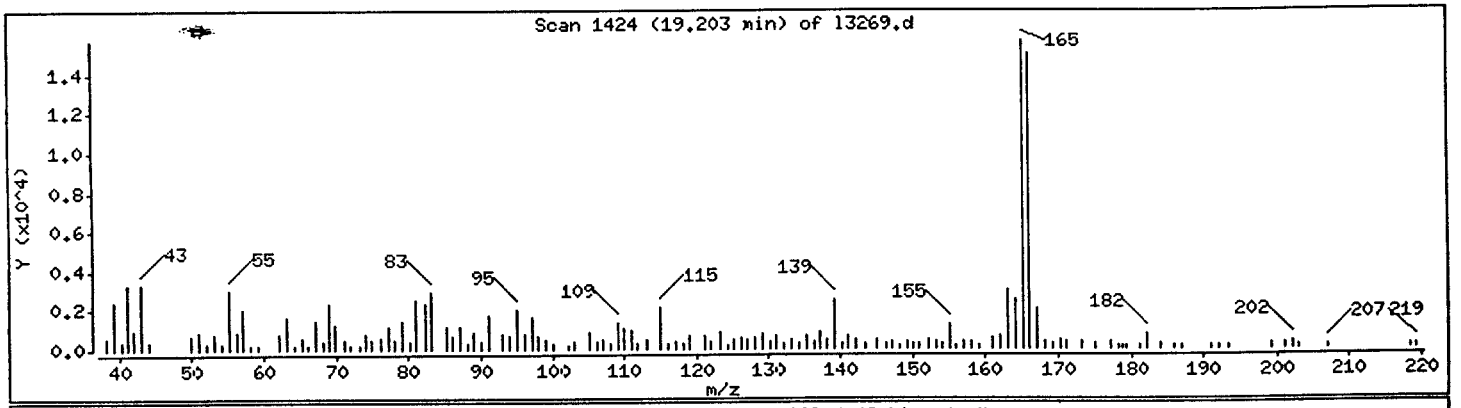
Operator: BNAMS 4

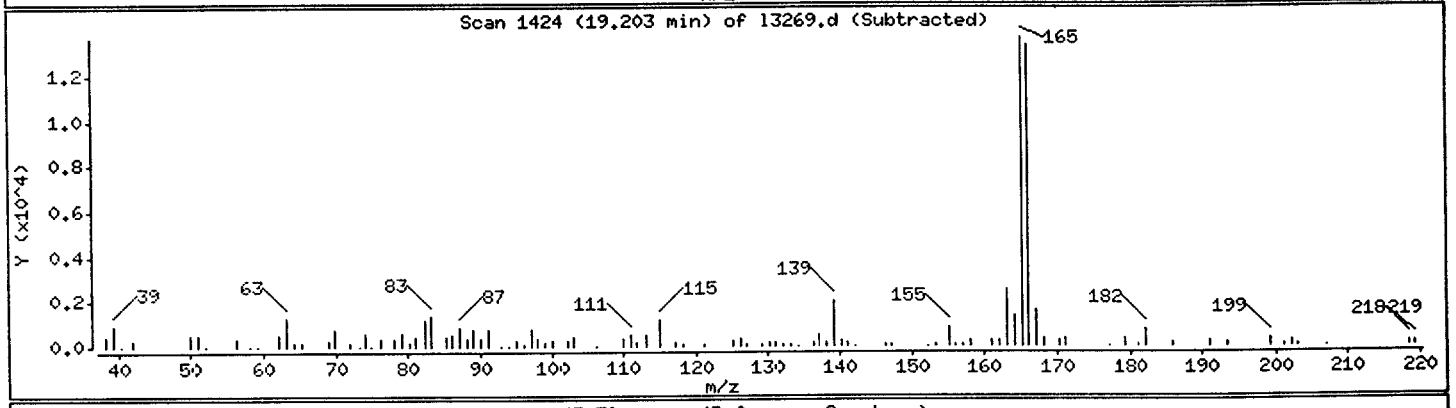
Column phase: DB-5

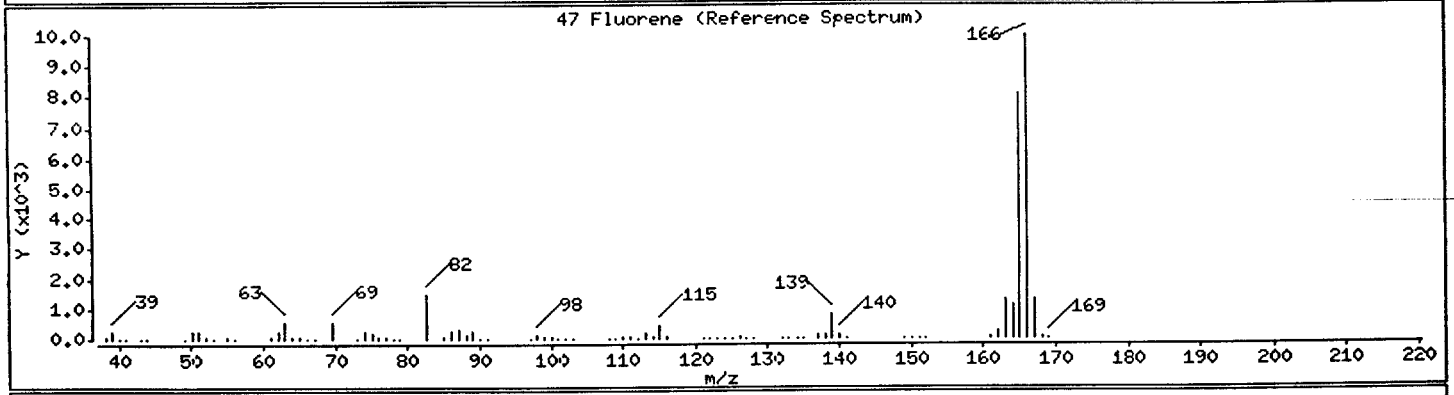
Column diameter: 0.25

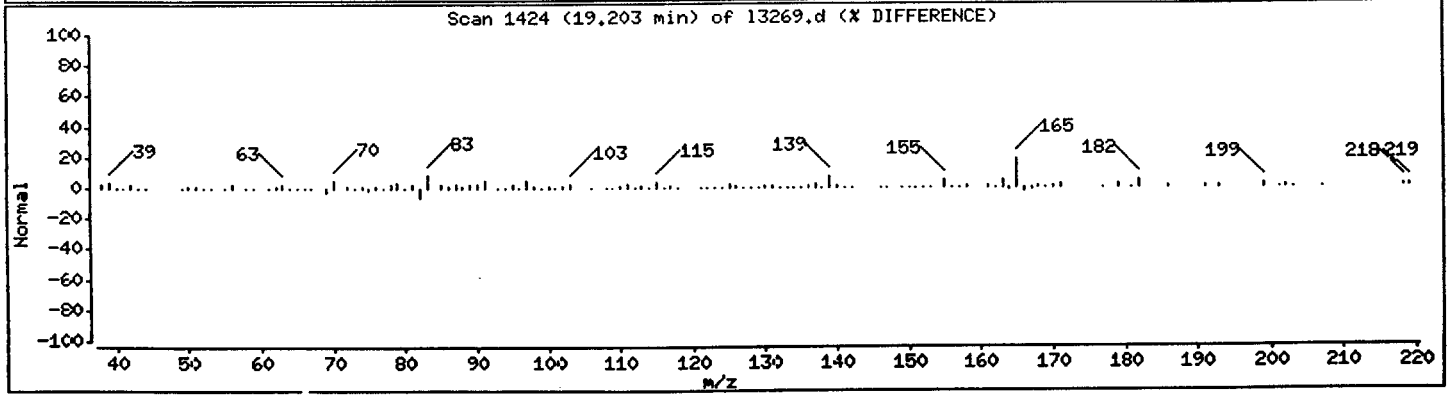
47 Fluorene

Concentration: 78 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00.b/13269.d

Date : 31-OCT-2000 09:27

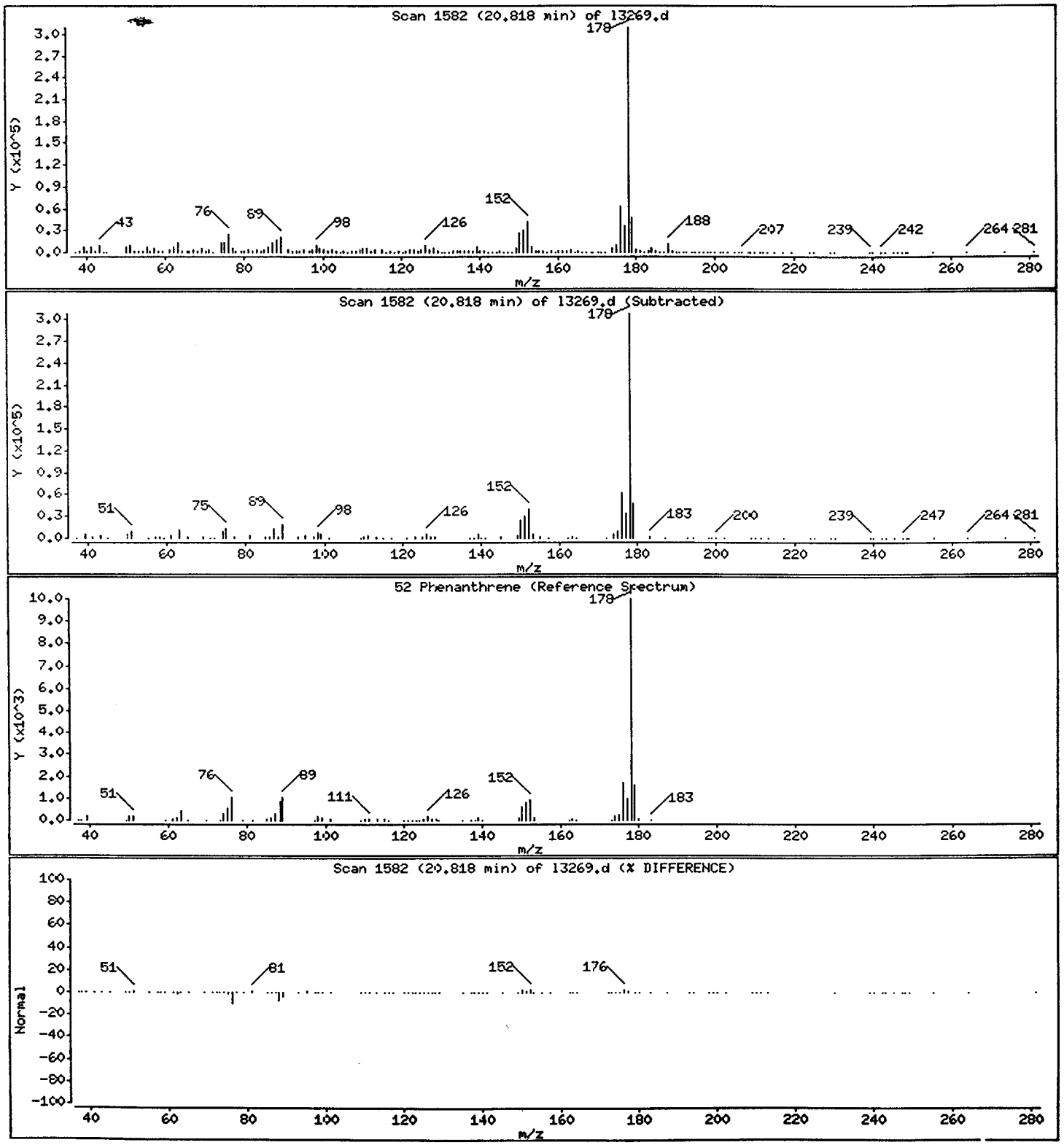
Client ID: EB-4_1.5-2 Instrument: BNAMS7.i

Sample Info: 237815;30;2;1;7.9

Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

52 Phenanthrene Concentration: 1000 ug/Kg



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Date : 31-OCT-2000 09:27

Client ID: EB-4_1.5-2

Instrument: BNAMS7.i

Sample Info: 237815;30;2;1;7.9

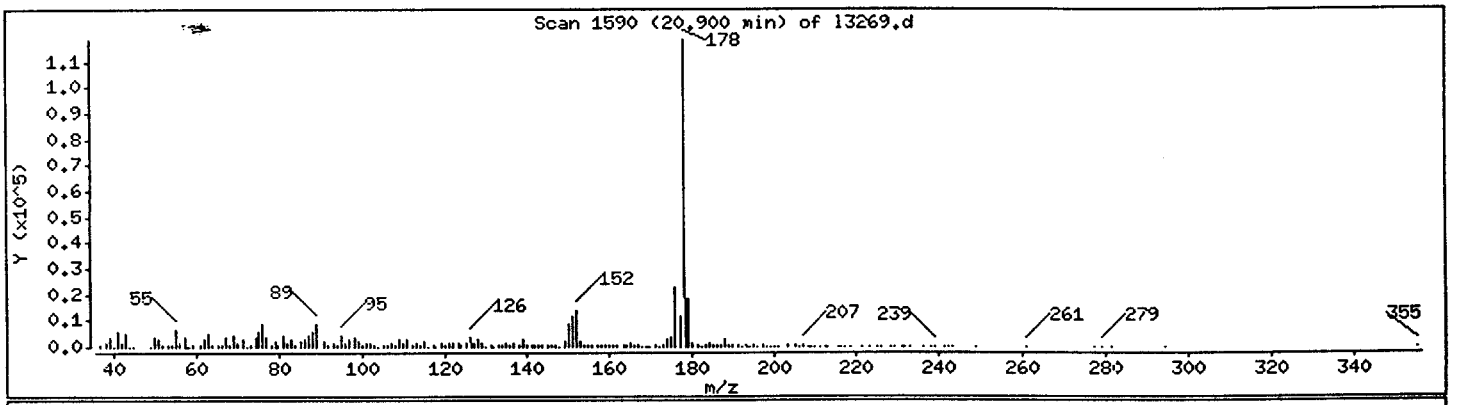
Operator: BNAMS 4

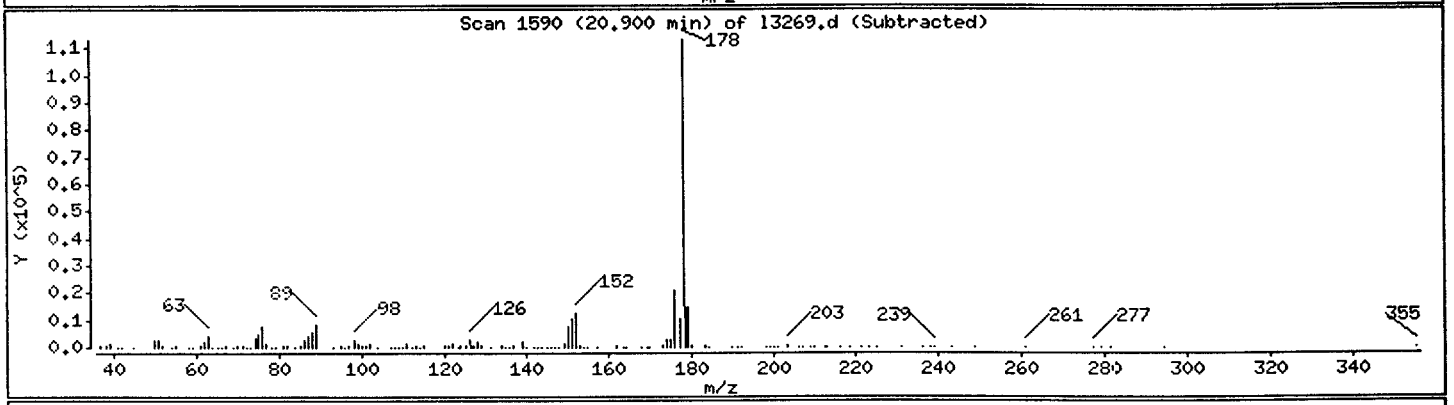
Column phase: DB-5

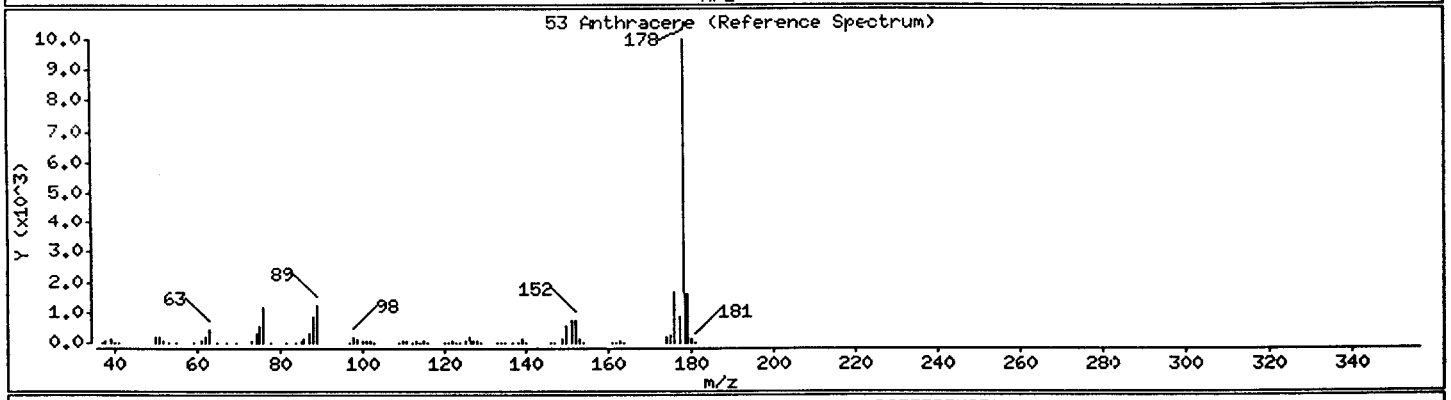
Column diameter: 0.25

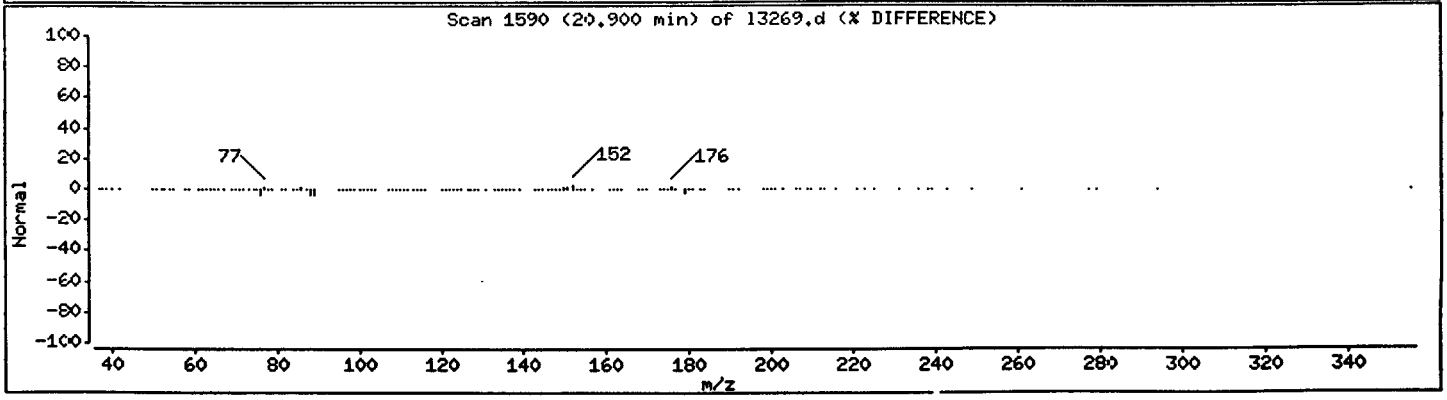
53 Anthracene

Concentration: 380 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00.b/13269.d

Date : 31-OCT-2000 09:27

Client ID: EB-4_1.5-2

Instrument: BNAMS7.i

Sample Info: 237815;30;2;1;7.9

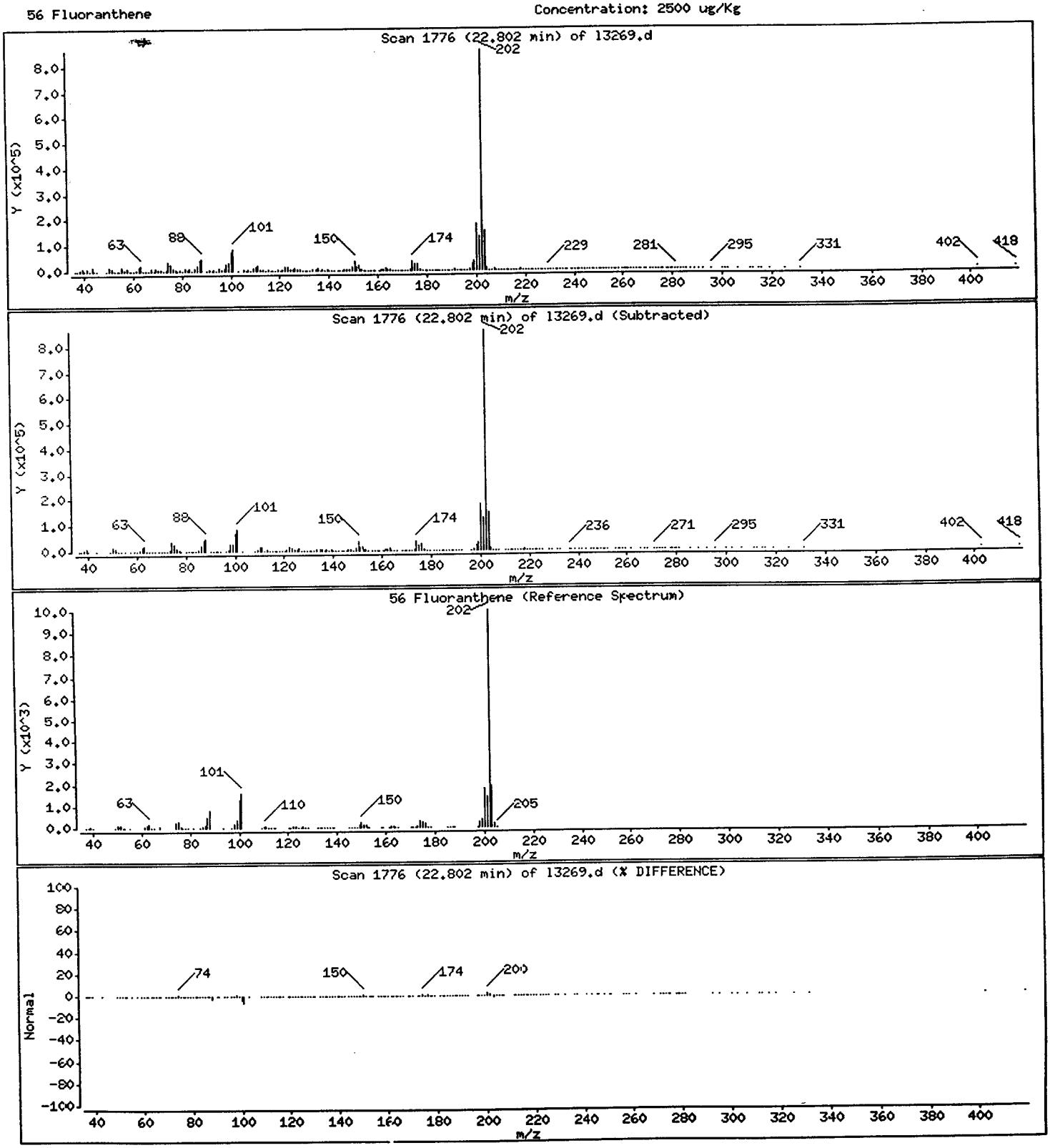
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

56 Fluoranthene

Concentration: 2500 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00.b/13269.d

Date : 31-OCT-2000 09:27

Client ID: EB-4_1.5-2

Instrument: BNAMS7.i

Sample Info: 237815;30;2;1;7.9

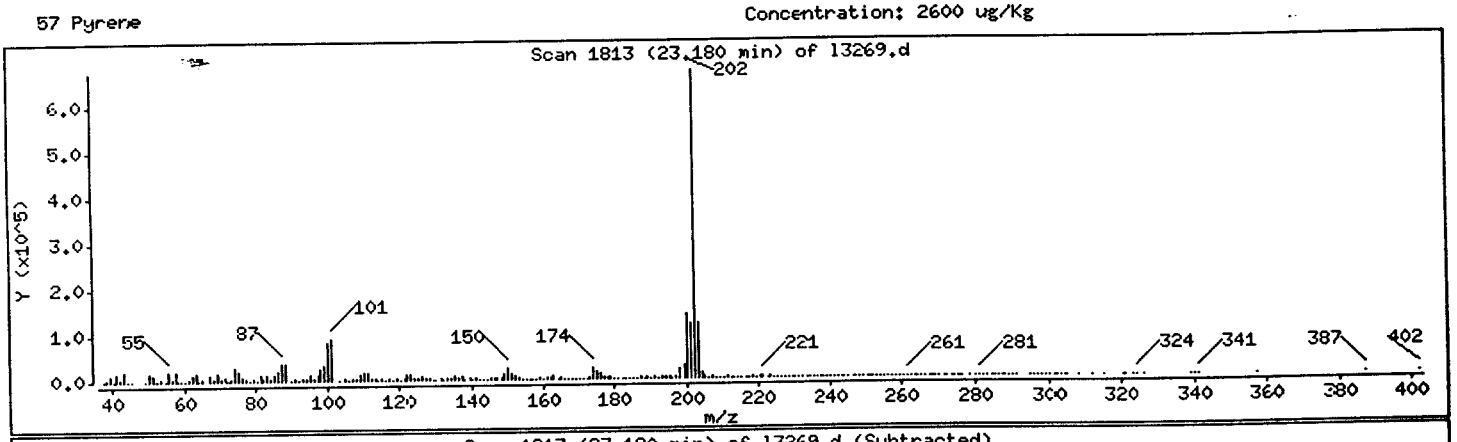
Operator: BNAMS 4

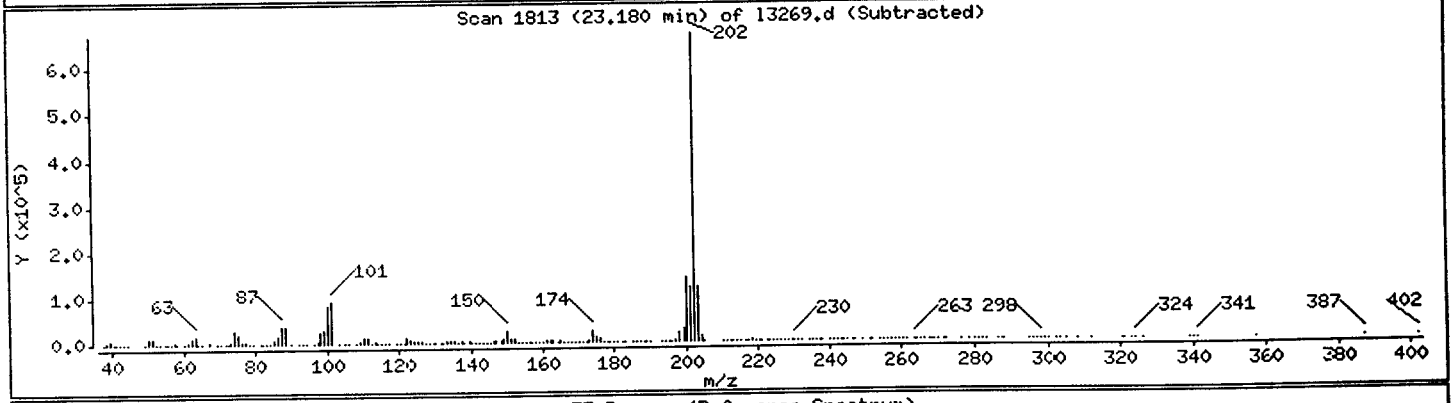
Column phase: DB-5

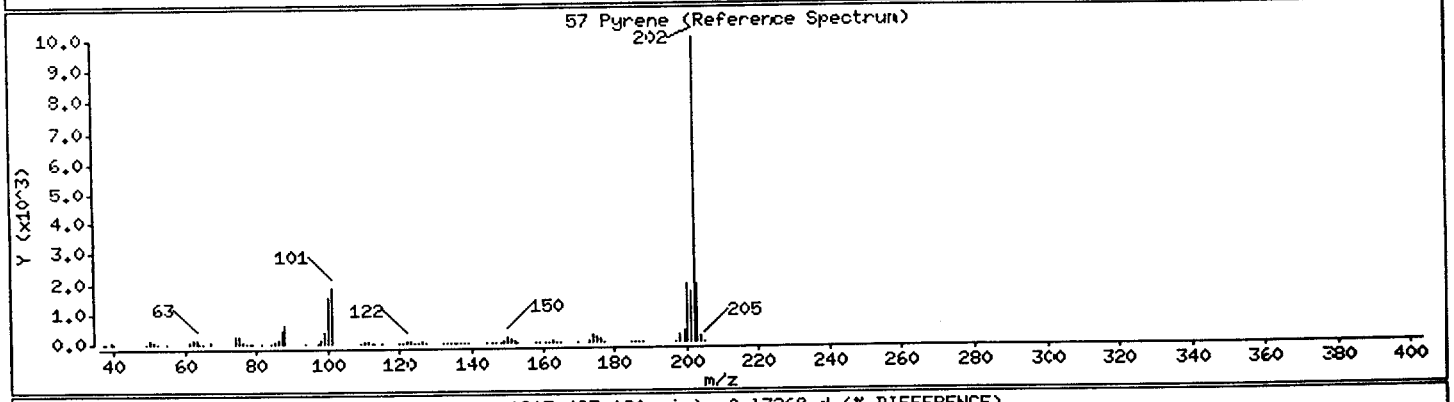
Column diameter: 0.25

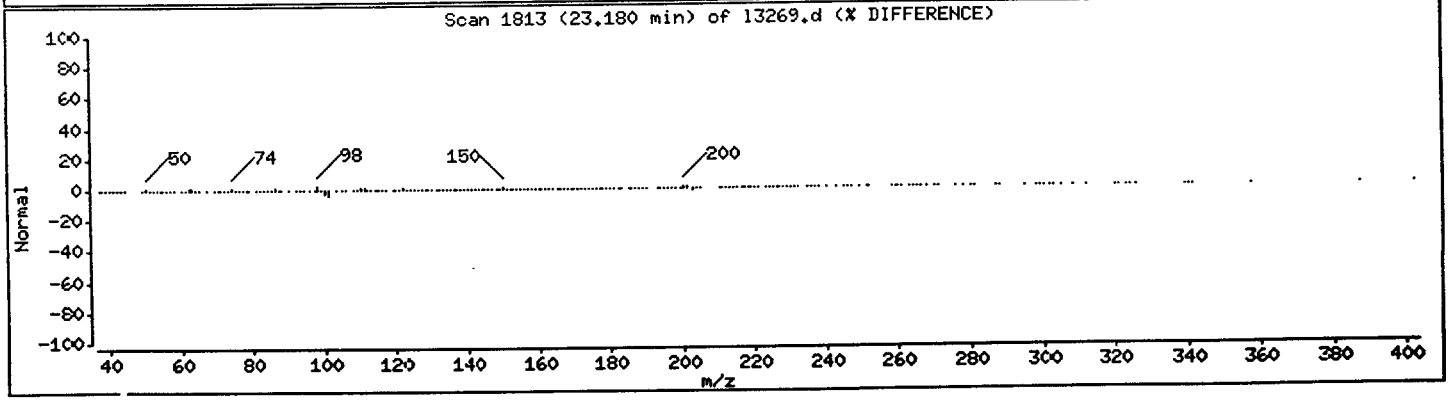
57 Pyrene

Concentration: 2600 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00.b/13269.d

Date : 31-OCT-2000 09:27

Client ID: EB-4_1.5-2

Instrument: BNAMS7.i

Sample Info: 237815;30;2;1;7.9

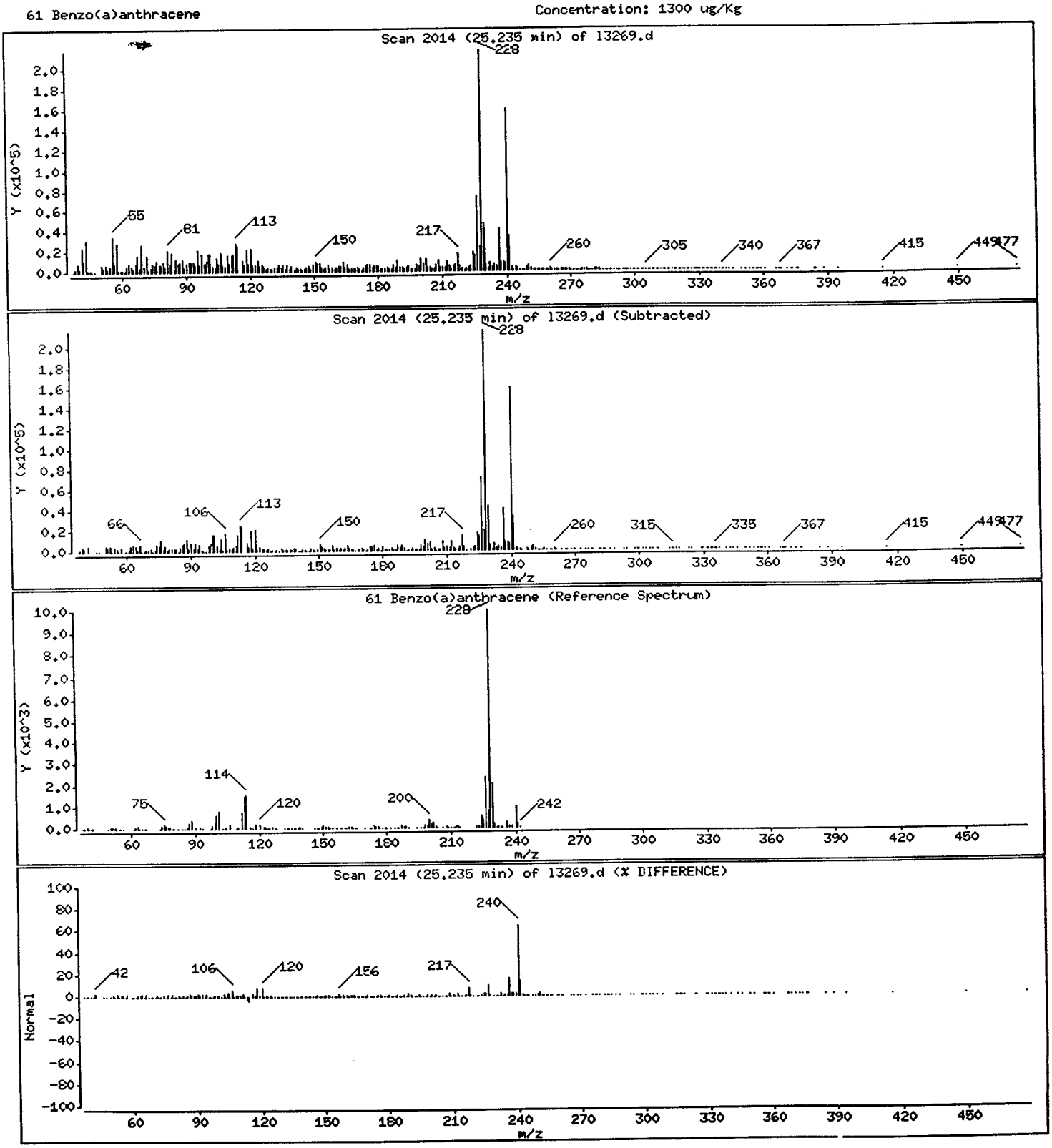
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

61 Benzo(a)anthracene

Concentration: 1300 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00.b/13269.d

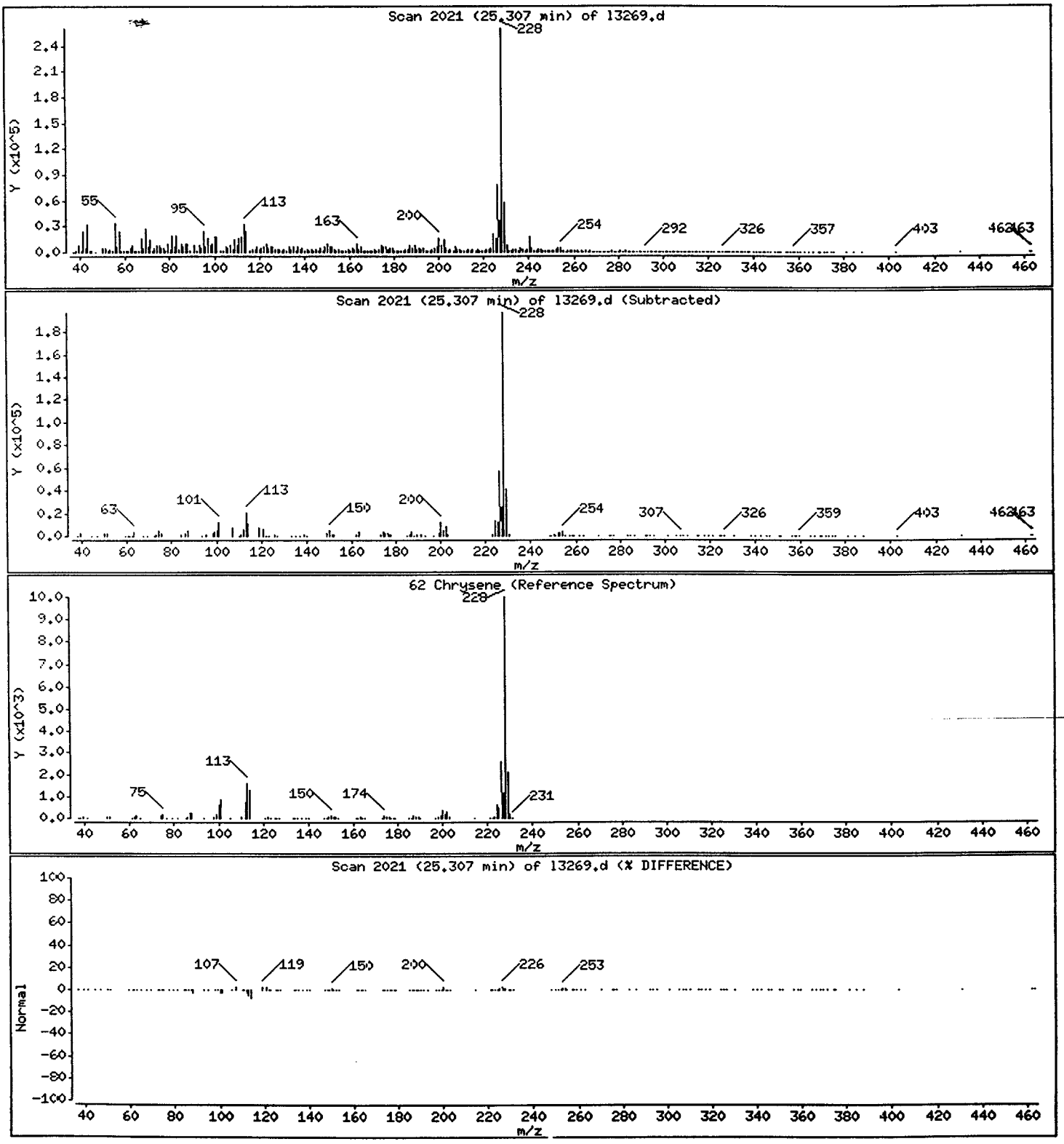
Date : 31-OCT-2000 09:27

Client ID: EB-4_1.5-2 Instrument: BNAMS7.i

Sample Info: 237815;30;2;1;7.9 Operator: BNAMS 4

Column phase: DB-5 Column diameter: 0.25

62 Chrysene Concentration: 1300 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00.b/13269.d

Date : 31-OCT-2000 09:27

Client ID: EB-4_1.5-2

Instrument: BNAMS7.i

Sample Info: 237815;30;2;1;7.9

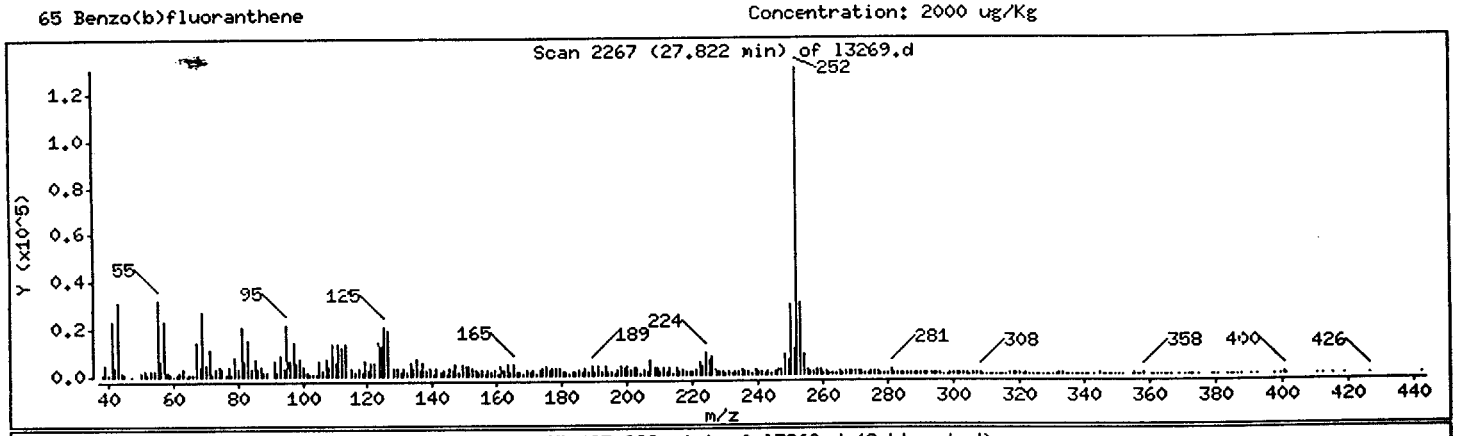
Operator: BNAMS 4

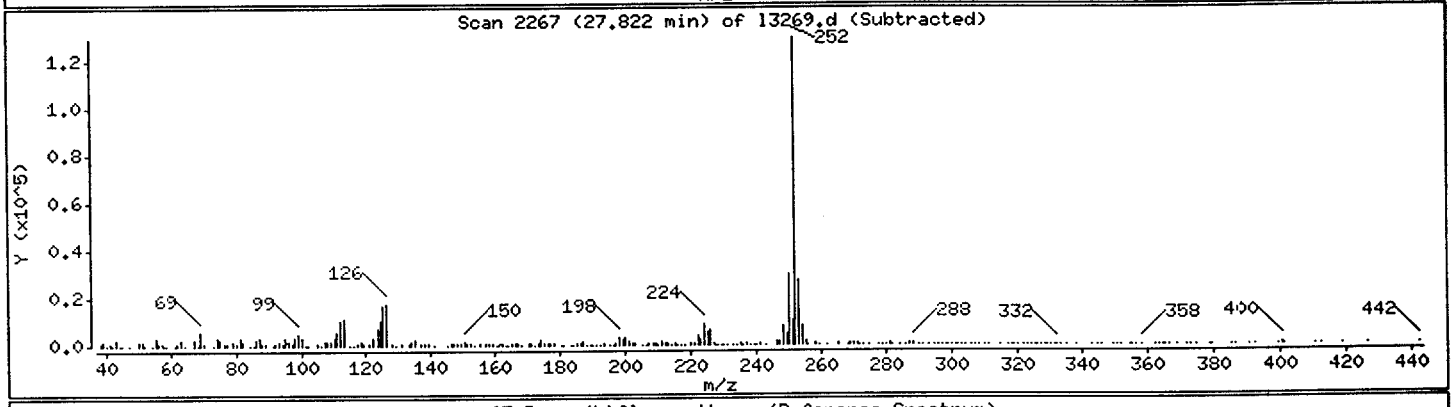
Column phase: DB-5

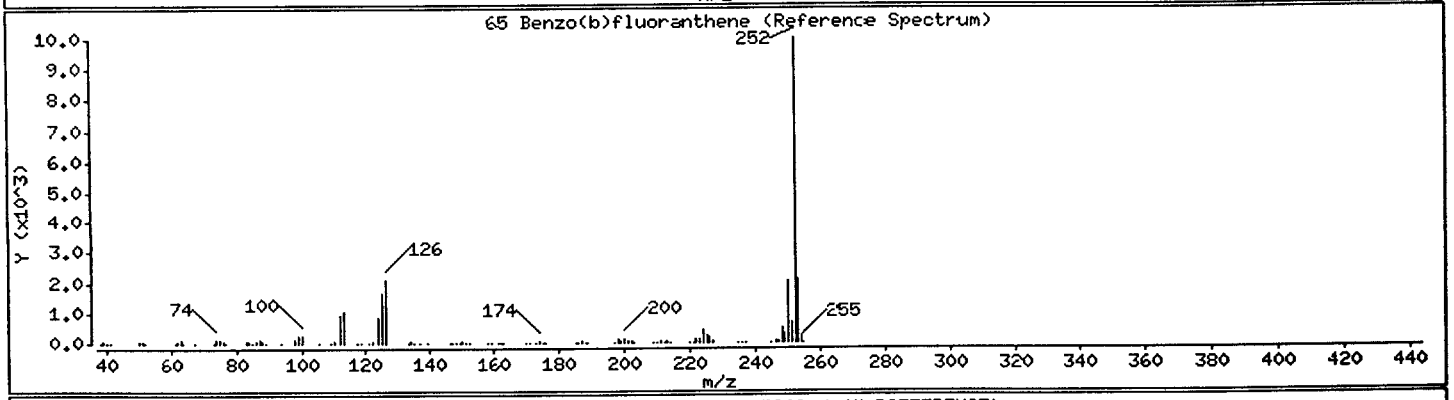
Column diameter: 0.25

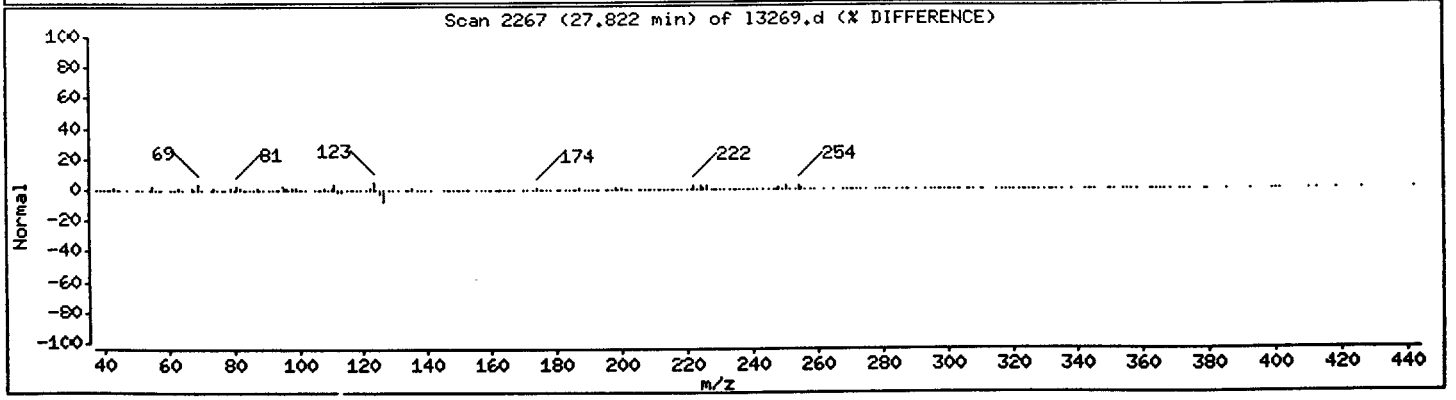
65 Benzo(b)fluoranthene

Concentration: 2000 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00.b/13269.d

Date : 31-OCT-2000 09:27

Client ID: EB-4_1.5-2

Instrument: BNAMS7.i

Sample Info: 237815;30;2;1;7.9

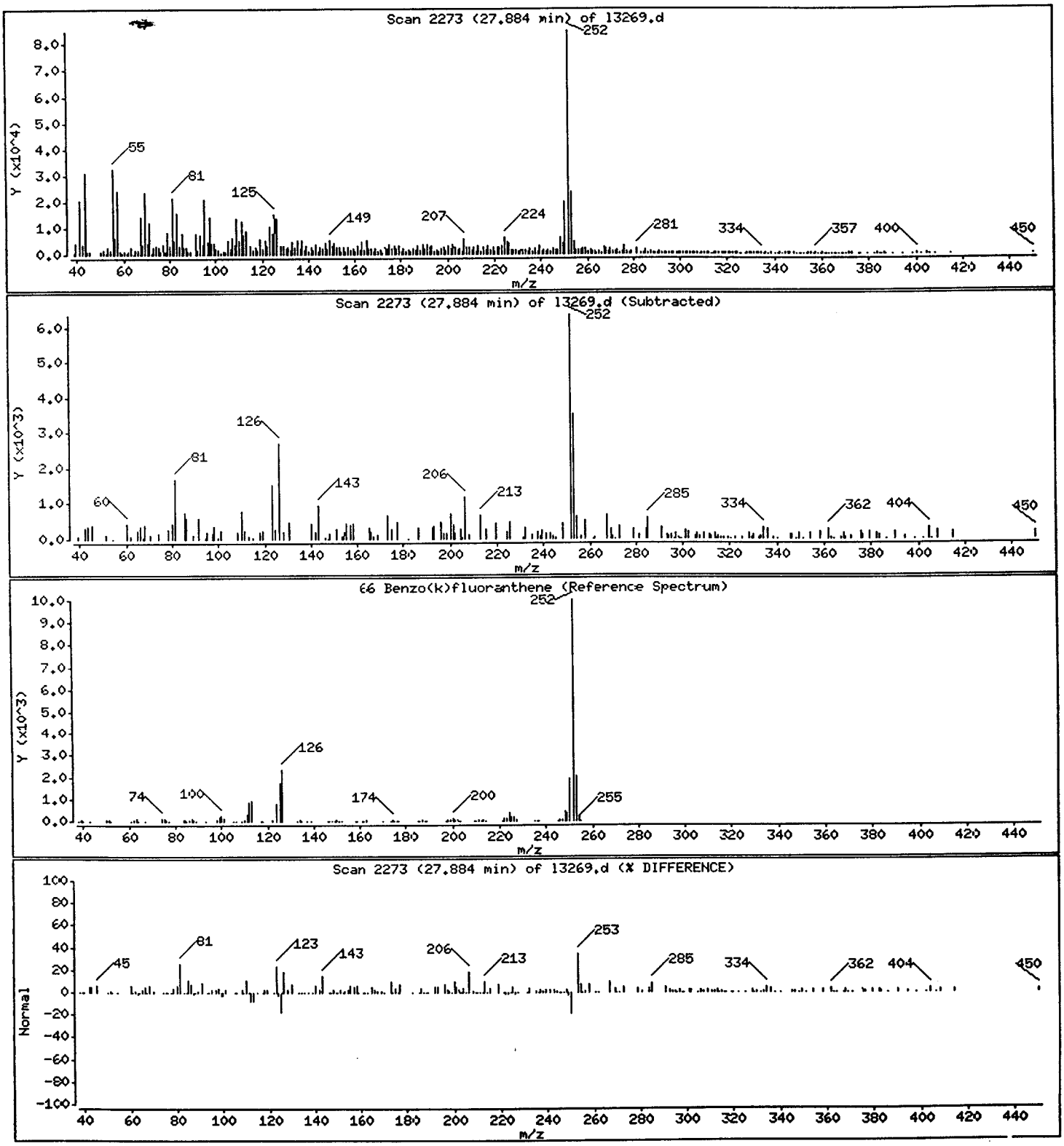
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

66 Benzo(k)fluoranthene

Concentration: 940 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00.b/13269.d

Date : 31-OCT-2000 09:27

Client ID: EB-4_1.5-2

Instrument: BNAMS7.i

Sample Info: 237815;30;2;1;7.9

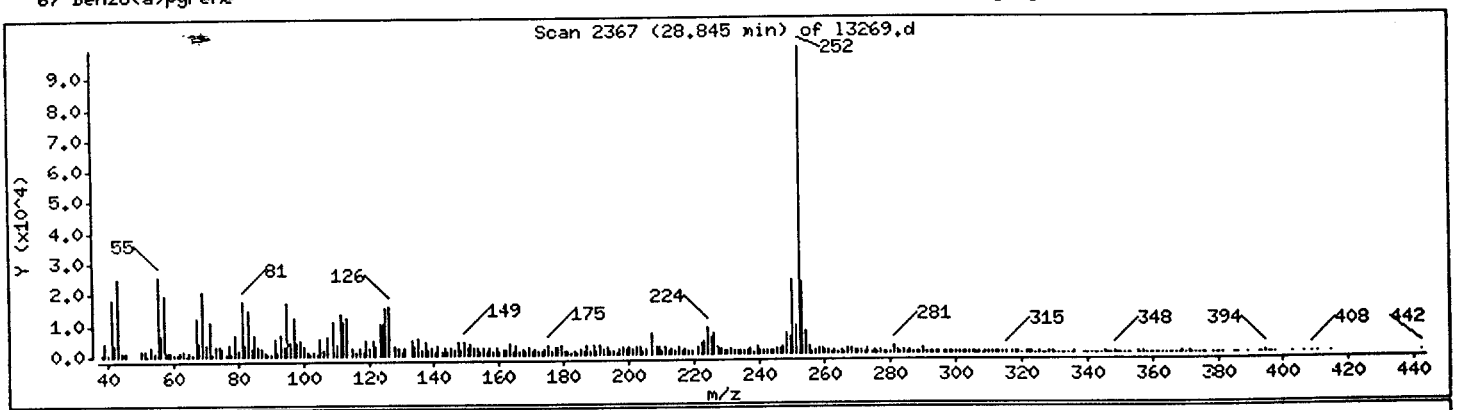
Operator: BNAMS 4

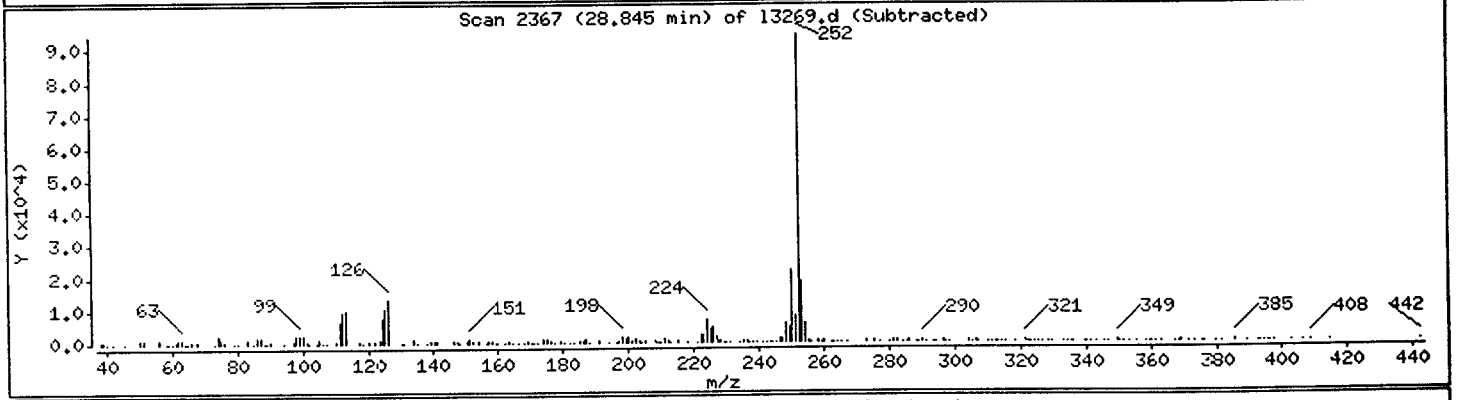
Column phase: DB-5

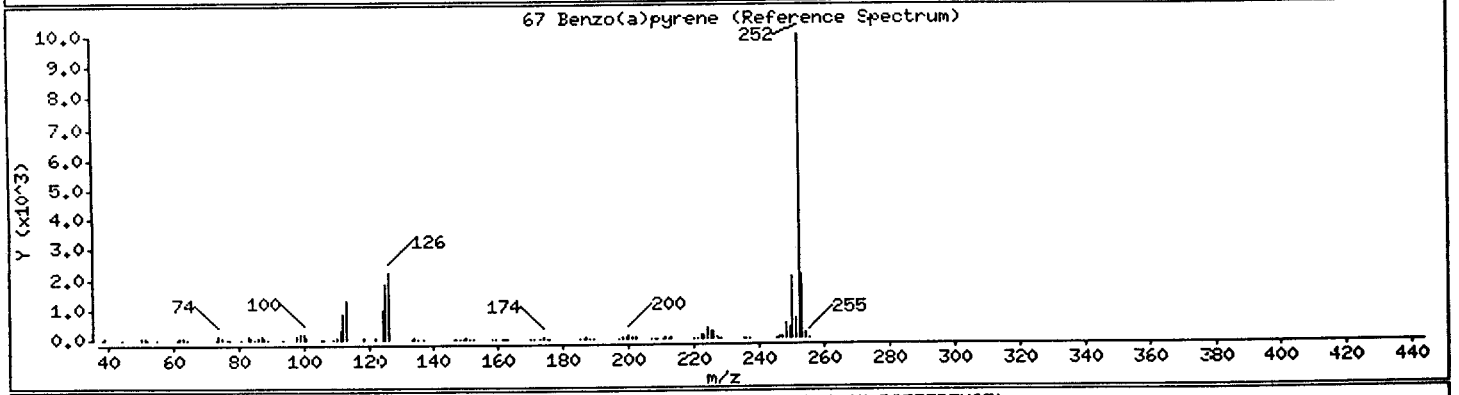
Column diameter: 0.25

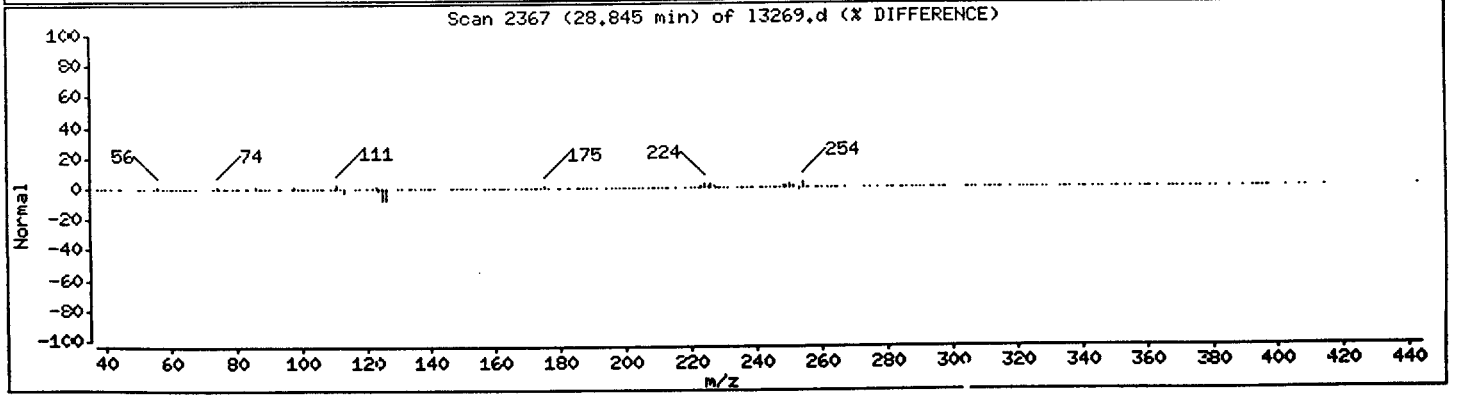
67 Benzo(a)pyrene

Concentration: 1300 ug/Kg









Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00.b/13269.d

Date : 31-OCT-2000 09:27

Client ID: EB-4_1.5-2

Instrument: BNAMS7.i

Sample Info: 237815;30;2;1;7.9

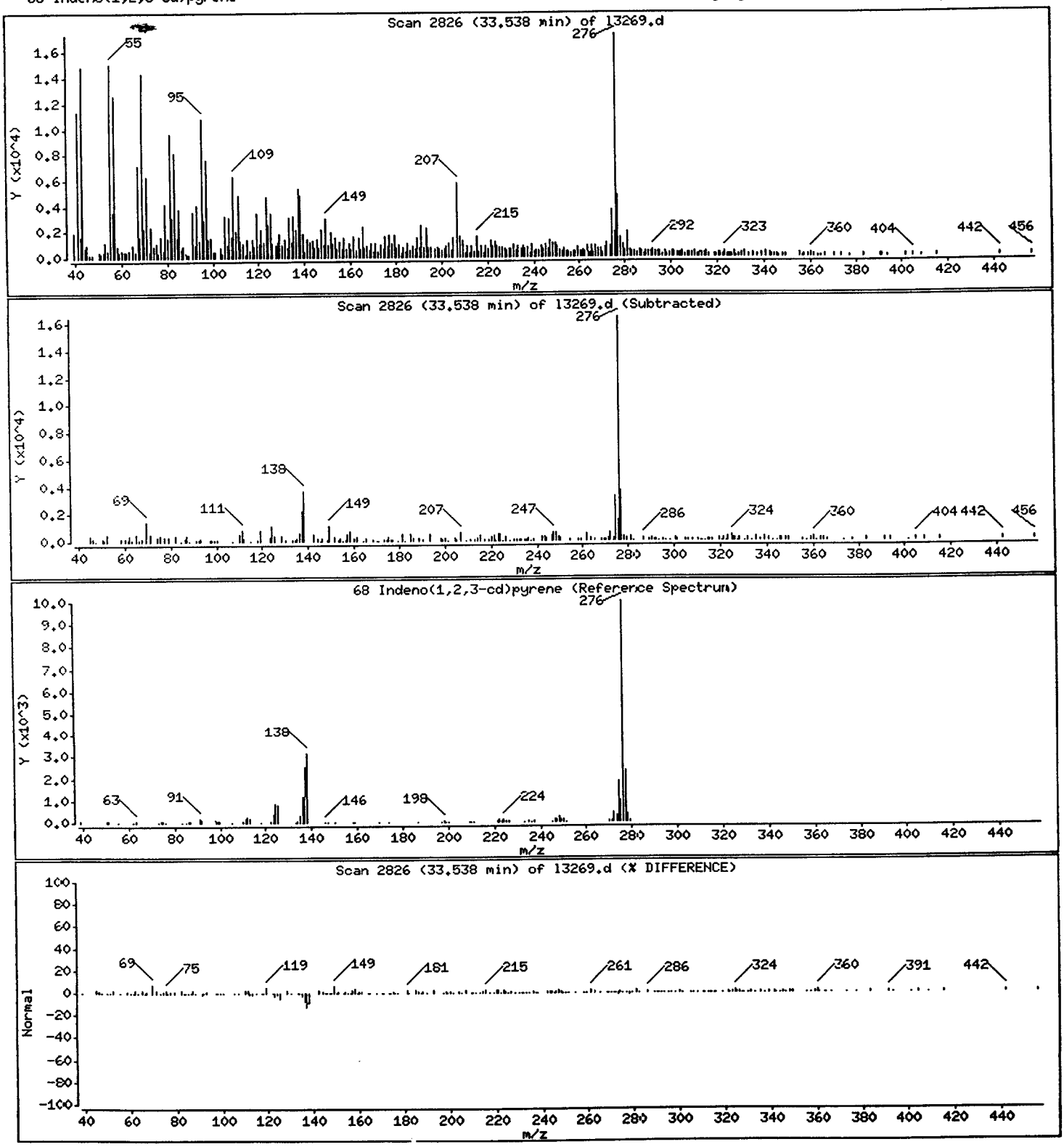
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

68 Indeno(1,2,3-cd)pyrene

Concentration: 490 ug/Kg



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00.b/13269.d

Date : 31-OCT-2000 09:27

Client ID: EB-4_1.5-2

Instrument: BNAMS7.i

Sample Info: 237815;30;2;1;7.9

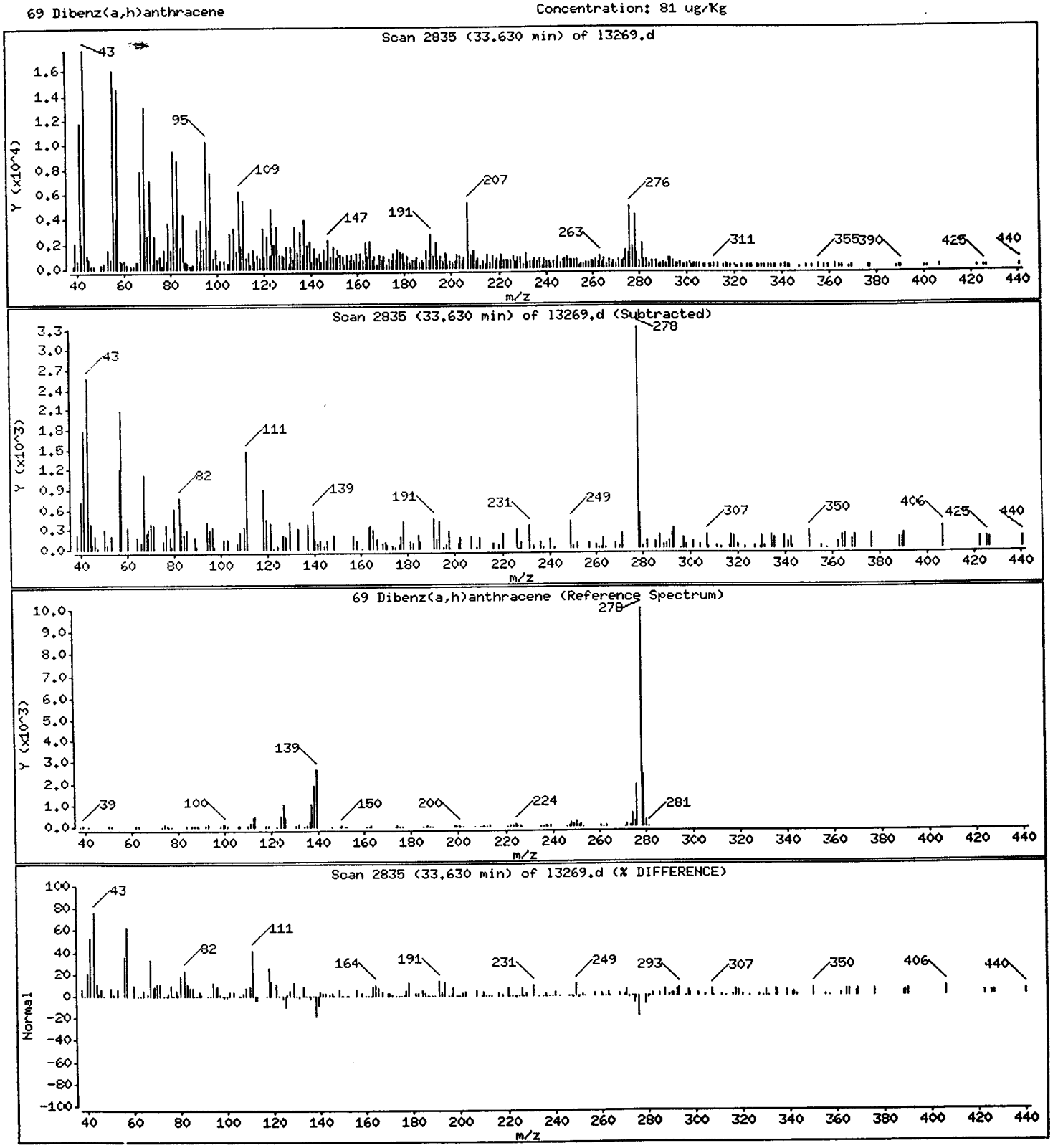
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

69 Dibenz(a,h)anthracene

Concentration: 81 ug/Kg



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Date : 31-OCT-2000 09:27

Client ID: EB-4_1.5-2

Instrument: BNAMS7.i

Sample Info: 237815;30;2;1;7.9

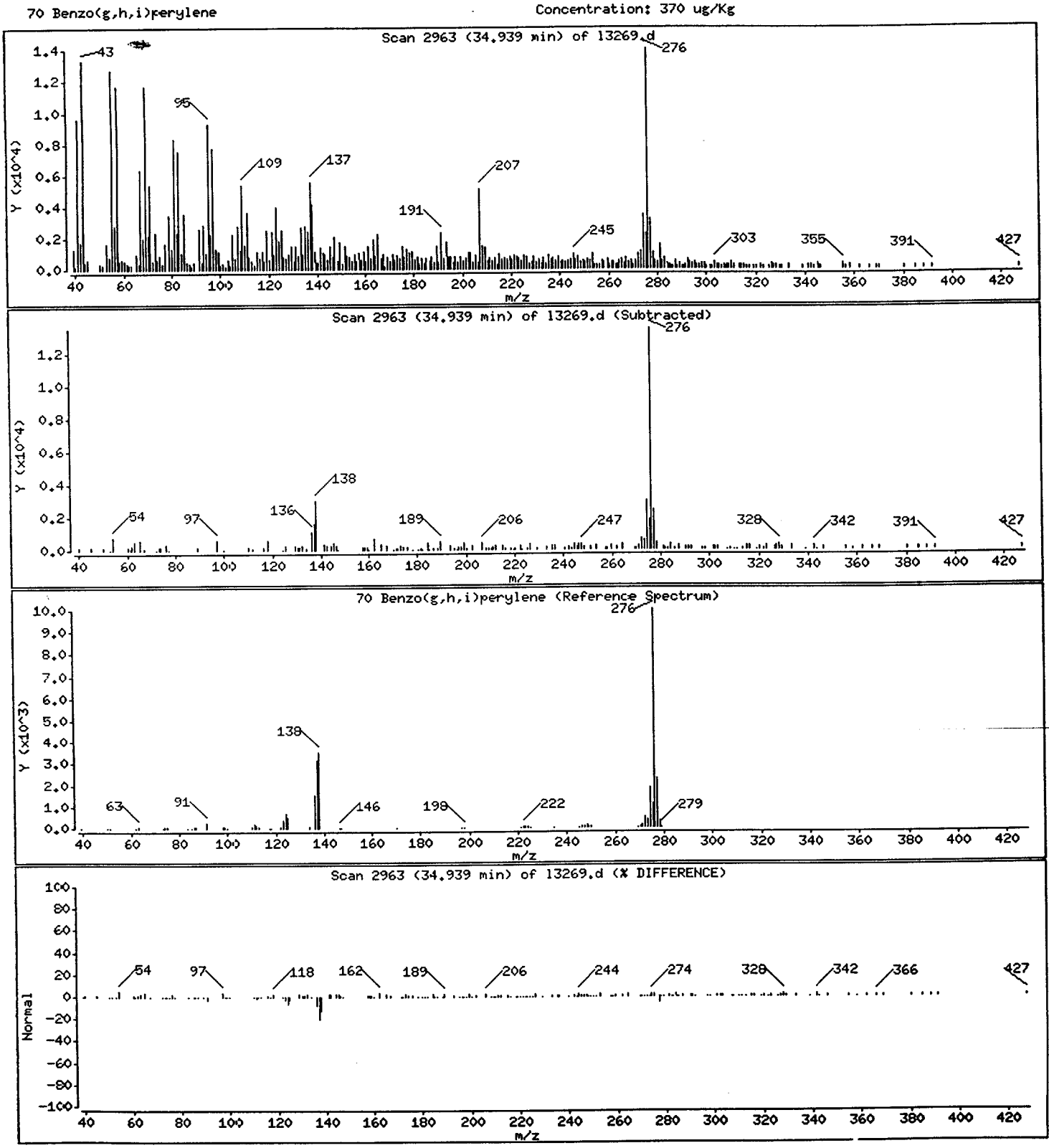
Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

70 Benzo(g,h,i)perylene

Concentration: 370 ug/Kg



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Date : 31-OCT-2000 09:27

Client ID: EB-4_1.5-2

Instrument: BNAMS7.i

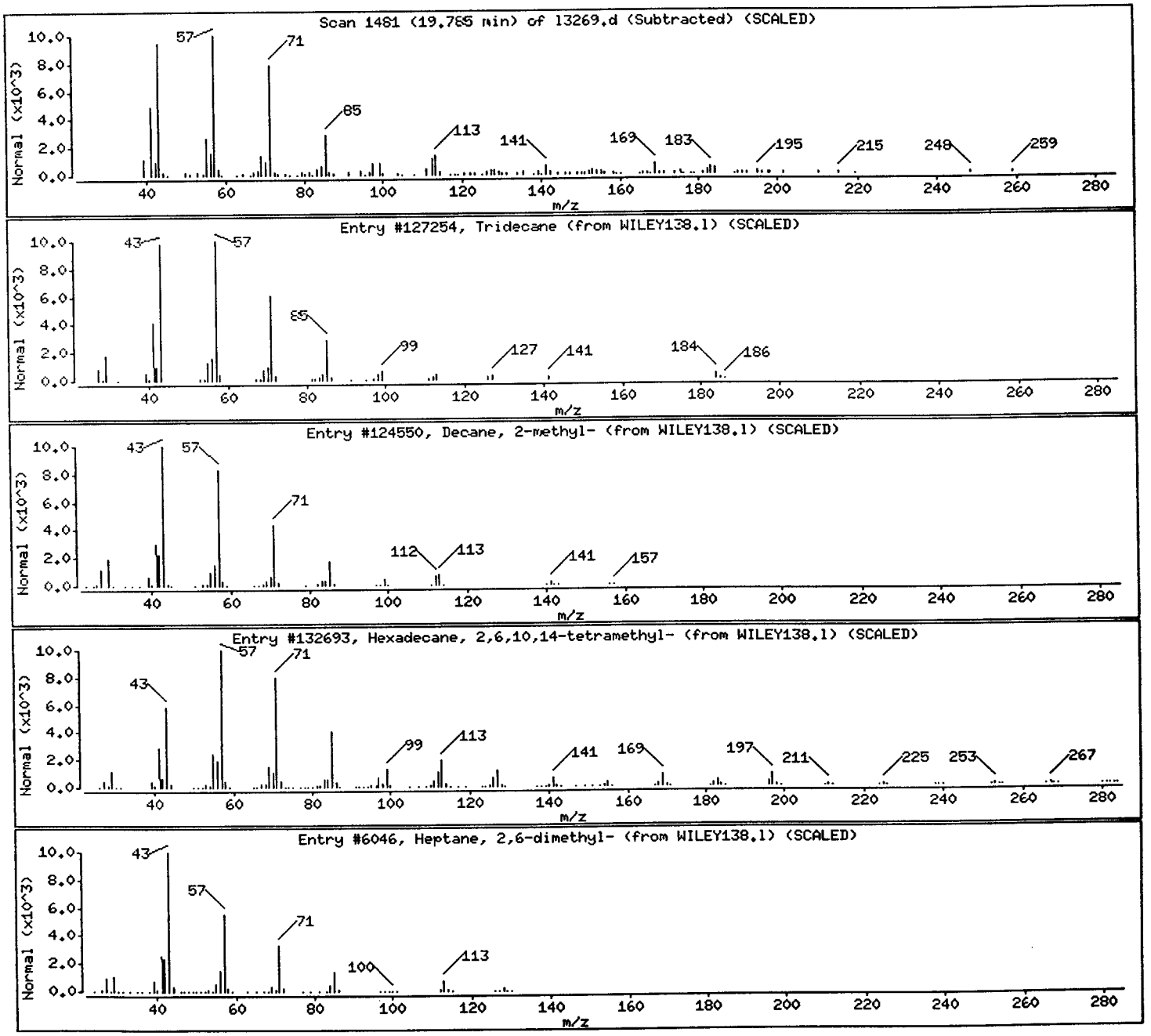
Sample Info: 237815;30;2;1;7.9

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Tridecane	629-50-5	WILEY138.l	127254	93	C13H28	184
Decane, 2-methyl-	6975-98-0	WILEY138.l	124550	87	C11H24	156
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	WILEY138.l	132693	80	C20H42	282
Heptane, 2,6-dimethyl-	1072-05-5	WILEY138.l	6046	72	C9H20	128



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Date : 31-OCT-2000 09:27

Client ID: EB-4_1.5-2

Instrument: BNAMS7.i

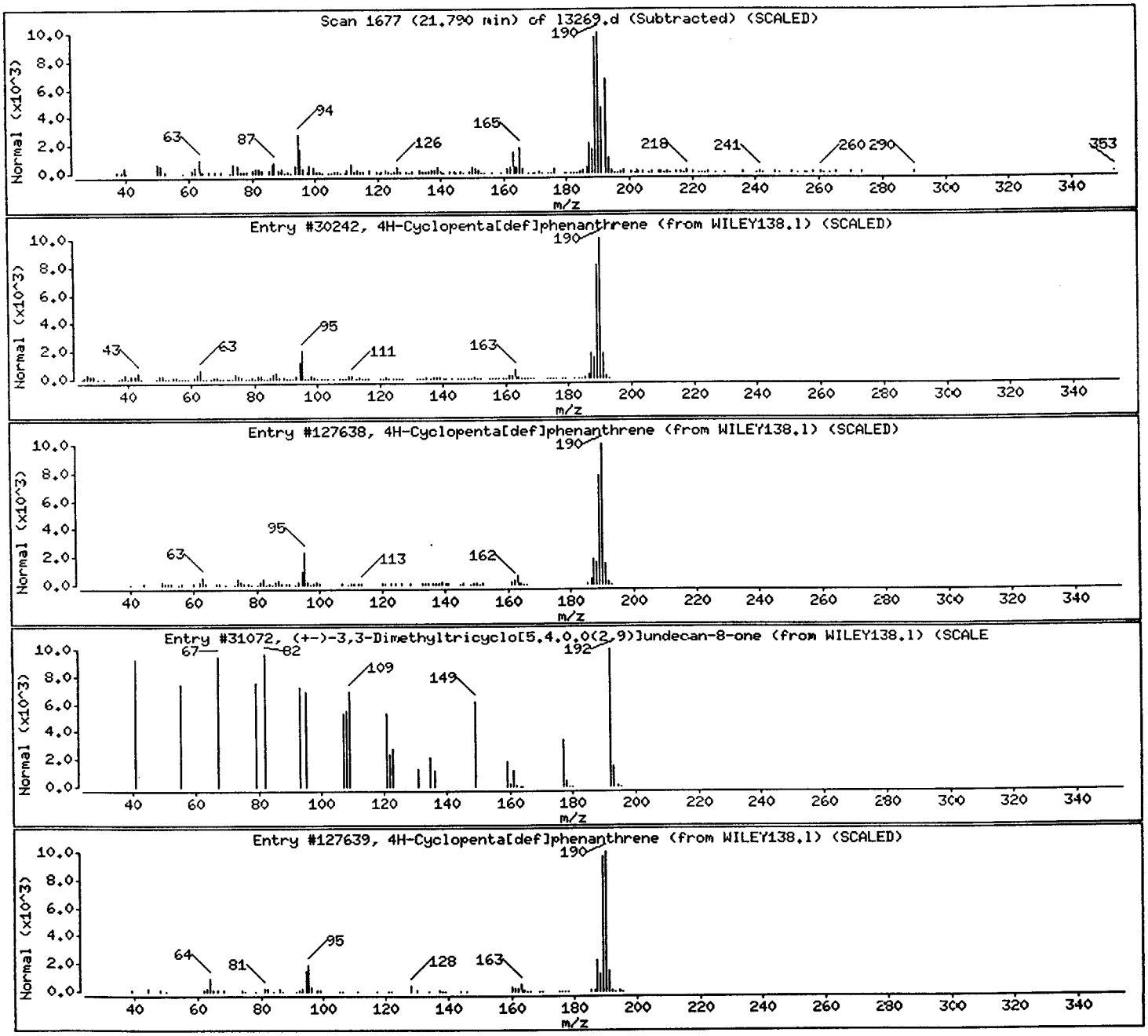
Sample Info: 237815;30;2;1;7.9

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C15H10/C15H12 PAHs						
4H-Cyclopenta[def]phenanthrene	203-64-5	WILEY138.1	30242	92	C15H10	190
4H-Cyclopenta[def]phenanthrene	203-64-5	WILEY138.1	127638	60	C15H10	190
(+-)-3,3-Dimethyltricyclo[5.4.0.0(2,9)]u	57768-52-2	WILEY138.1	31072	56	C13H20O	192
4H-Cyclopenta[def]phenanthrene	203-64-5	WILEY138.1	127639	47	C15H10	190



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00.b/13269.d

Date : 31-OCT-2000 09:27

Client ID: EB-4_1.5-2

Instrument: BNAMS7.i

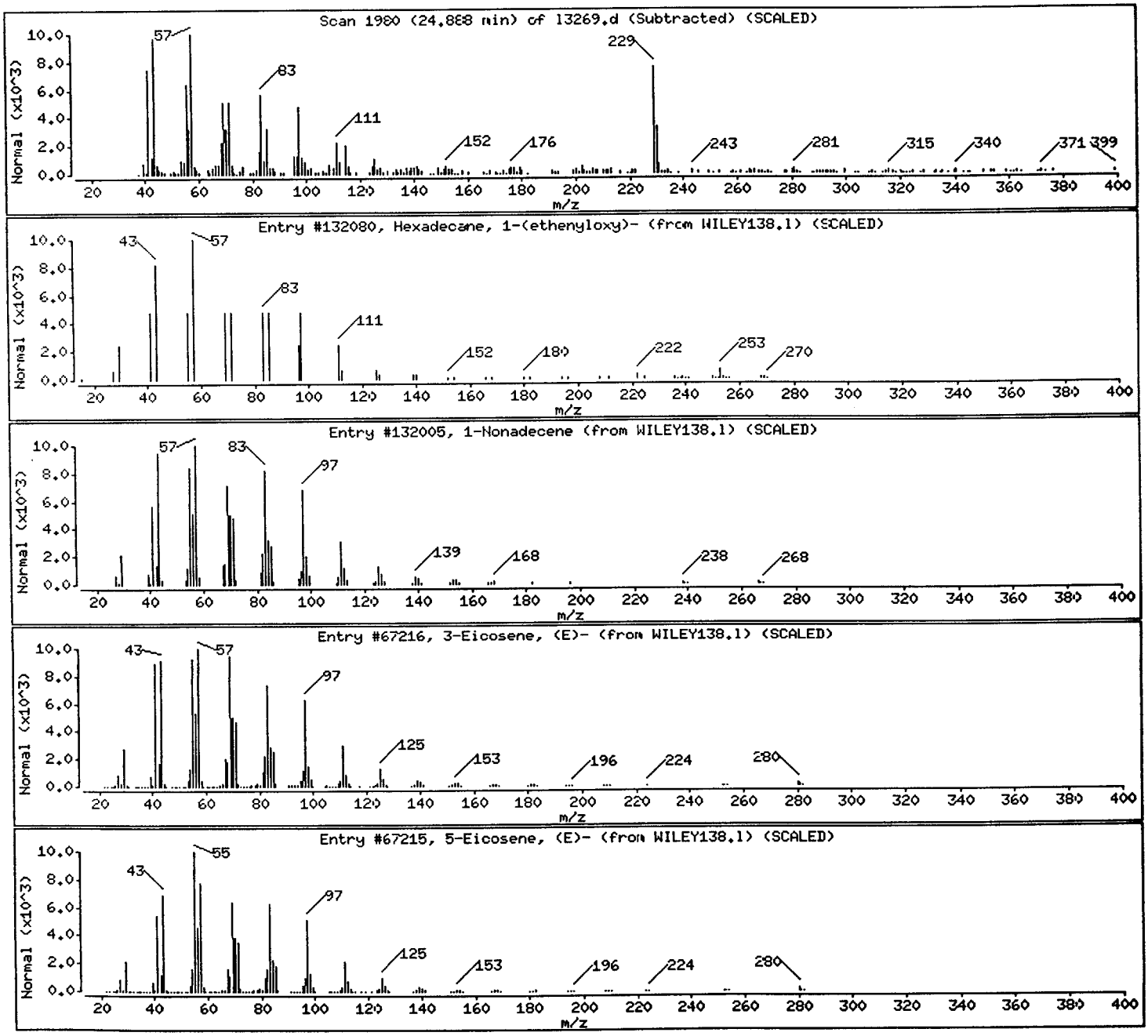
Sample Info: 237815;30;2;1;7.9

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Hexadecane, 1-(ethenyloxy)-	822-28-6	WILEY138.l	132080	64	C18H360	268
1-Nonadecene	18435-45-5	WILEY138.l	132005	62	C19H38	266
3-Eicosene, (E)-	74685-33-9	WILEY138.l	67216	62	C20H40	280
5-Eicosene, (E)-	74685-30-6	WILEY138.l	67215	59	C20H40	280



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00.b/13269.d

Date : 31-OCT-2000 09:27

Client ID: EB-4_1.5-2

Instrument: BNAMS7.i

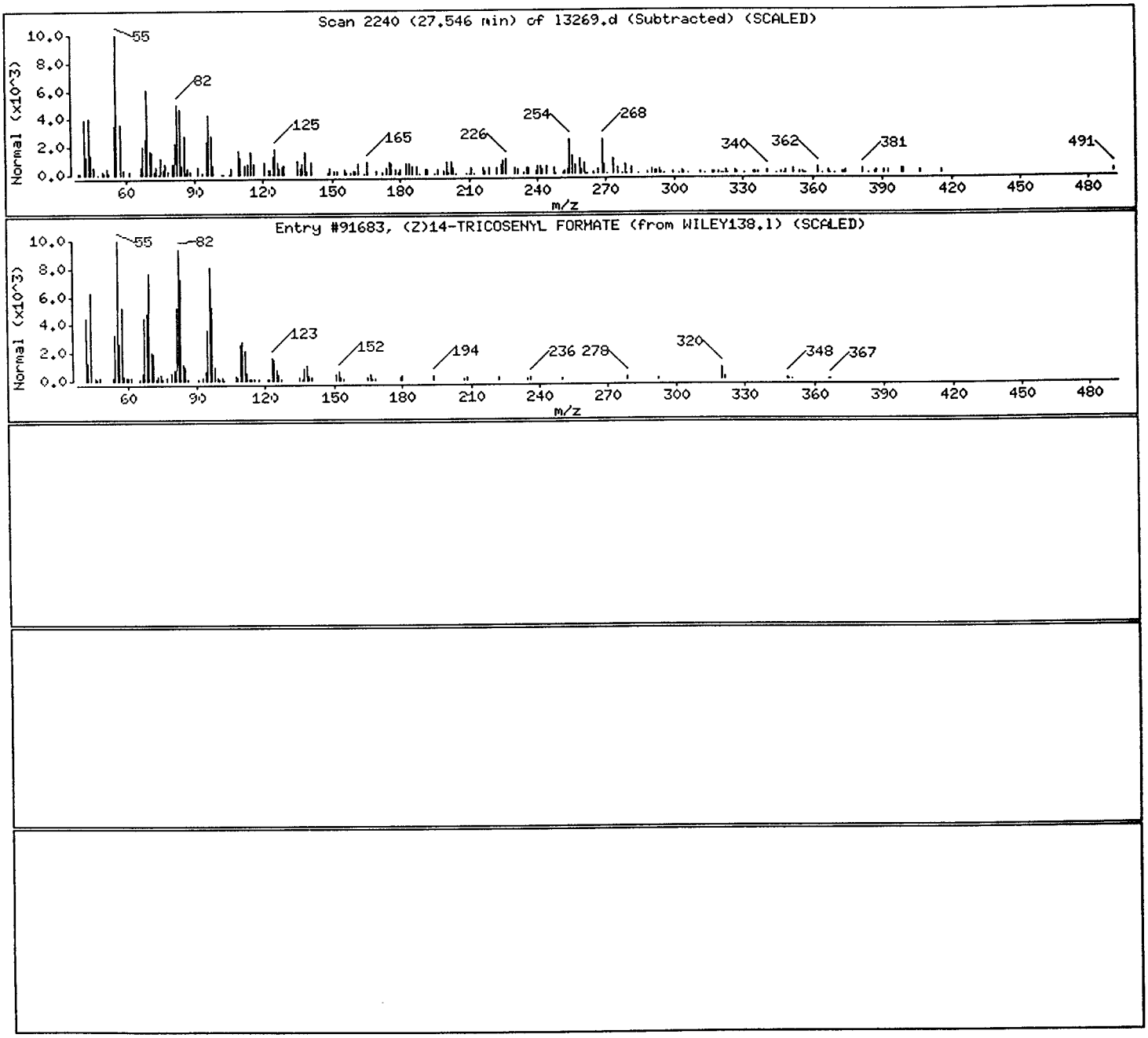
Sample Info: 237815;30;2;1;7.9

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
(Z)14-TRICOSENYL FORMATE	77899-10-6	WILEY138.l	91683	27	C24H46O2	366



Data File: /chem/BNAMS7.i/8270/10-27-00/31oct00.b/13269.d

Date : 31-OCT-2000 09:27

Client ID: EB-4_1.5-2

Instrument: BNAMS7.i

Sample Info: 237815;30;2;1;7.9

Operator: BNAMS 4

Column phase: DB-5

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C20H12 PAH						
Benzo[j]fluoranthene	205-82-3	WILEY138.l	57583	78	C20H12	252
Benzo[a]pyrene	50-32-8	WILEY138.l	131404	78	C20H12	252
Benzo[a]pyrene	50-32-8	WILEY138.l	131403	78	C20H12	252
Benzo[k]fluoranthene	207-08-9	WILEY138.l	131409	78	C20H12	252