User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 11/19/2001 Time: 15:06:41

Sample: AD24697
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 11/19/01 15:06 Ended: 11/19/01 15:06 Analyst: MG
Page: 1

	Component Name	Vial	Result
1	Other unknown compounds		see comment

Comments for Sample AD24697 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Galos, Marie
Date: 11-19-2001 Time: 15:06:46

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV0501\24697.D Vial: 16
Acq On : 6 Nov 2001 2:35 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 12:26 2001 Quant Results File: NP103001.RES

Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Nov 02 16:41:16 2001
Response via : Initial Calibration
DataAcq Meth : NP103001

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.71	152	644738	20.00	ug/l	-0.01
19) Naphthalene-d8	15.32	136	2449909	20.00	ug/l	-0.01
31) Acenaphthene-d10	20.60	164	1241552	20.00	ug/l	-0.01
49) Phenanthrene-d10	25.02	188	1852810	20.00	ug/l	-0.02
59) Chrysene-d12	33.06	240	1341324	20.00	ug/l	-0.01
68) Perylene-d12	37.16	264	988188	20.00	ug/l	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ug/l	
Spiked Amount 75.000			Recovery =	0.00%		
5) Phenol-d5	0.00	99	0	0.00	ug/l	
Spiked Amount 75.000			Recovery =	0.00%		
6) 2-Chlorophenol-d4	11.70	132	433	0.01	ug/l	0.47
Spiked Amount 75.000			Recovery =	0.01%		
7) 1,2-Dichlorobenzene-d4	0.00	152	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
20) Nitrobenzene-d5	0.00	82	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
32) 2-Fluorobiphenyl	18.75	172	2514	0.03	ug/l	0.13
Spiked Amount 50.000			Recovery =	0.06%		
33) 2,4,6-Tribromophenol	0.00	330	0	0.00	ug/l	
Spiked Amount 75.000			Recovery =	0.00%		
62) Terphenyl-d14	29.94	244	1348	0.02	ug/l	-0.01
Spiked Amount 50.000			Recovery =	0.04%		
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	0.00	74	0	N.D.		
8) Phenol	0.00	94	0	N.D.		
9) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
10) 2-Chlorophenol	0.00	128	0	N.D.		
11) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
12) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
13) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
14) 2-Methylphenol	0.00	108	0	N.D.		
15) 2,2'-oxybis(1-Chloropropan	0.00	45	0	N.D.		
16) 3&4-Methylphenol	0.00	108	0	N.D.		
17) N-Nitroso-di-n-propylamine	0.00	70	0	N.D.		
18) Hexachloroethane	0.00	117	0	N.D.		
21) Nitrobenzene	0.00	77	0	N.D.		
22) Isophorone	0.00	82	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV0501\24697.D Vial: 16
Acq On : 6 Nov 2001 2:35 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 12:26 2001 Quant Results File: NP103001.RES

Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Nov 02 16:41:16 2001
Response via : Initial Calibration
DataAcq Meth : NP103001

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
23)	2-Nitrophenol	0.00	139	0	N.D.	
24)	2,4-Dimethylphenol	0.00	107	0	N.D.	
25)	bis(2-Chloroethoxy)methane	0.00	93	0	N.D.	
26)	2,4-Dichlorophenol	0.00	162	0	N.D.	
27)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
28)	Naphthalene	0.00	128	0	N.D.	
29)	Hexachlorobutadiene	0.00	225	0	N.D.	
30)	4-Chloro-3-methylphenol	0.00	107	0	N.D.	
34)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
35)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
36)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
37)	2-Chloronaphthalene	0.00	162	0	N.D.	
38)	Dimethylphthalate	0.00	163	0	N.D.	
39)	2,6-Dinitrotoluene	0.00	165	0	N.D.	
40)	Acenaphthylene	0.00	152	0	N.D.	
41)	Acenaphthene	0.00	153	0	N.D.	
42)	2,4-Dinitrophenol	0.00	184	0	N.D.	
43)	4-Nitrophenol	21.43	65	105	N.D.	
44)	2,4-Dinitrotoluene	20.95	165	105	N.D.	
45)	Diethylphthalate	0.00	149	0	N.D.	
46)	4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
47)	Fluorene	0.00	166	0	N.D.	
48)	Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.	
50)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
51)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
52)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
53)	Hexachlorobenzene	0.00	284	0	N.D.	
54)	Pentachlorophenol	0.00	266	0	N.D.	
55)	Phenanthrene	25.02	178	515	N.D.	
56)	Anthracene	25.02	178	514	N.D.	
57)	Di-n-butylphthalate	27.03	149	2797	N.D.	
58)	Fluoranthene	0.00	202	0	N.D.	
60)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.	
61)	Benzidine	0.00	184	0	N.D.	
63)	Pyrene	0.00	202	0	N.D.	
64)	Butylbenzylphthalate	0.00	149	0	N.D.	
65)	Benzo(a)anthracene	33.06	228	3364	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.32	149	1845	N.D.	
67)	Chrysene	33.06	228	3364	N.D.	
69)	Di-n-Octylphthalate	0.00	149	0	N.D.	
70)	Benzo(b)fluoranthene	0.00	252	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV0501\24697.D Vial: 16
Acq On : 6 Nov 2001 2:35 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 7 12:26 2001 Quant Results File: NP103001.RES

Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Nov 02 16:41:16 2001
Response via : Initial Calibration
DataAcq Meth : NP103001

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71) Benzo(k)fluoranthene	0.00	252	0	N.D.	
72) Benzo(a)pyrene	37.16	252	3688	N.D.	
73) Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
74) Dibenz(a,h)anthracene	0.00	278	0	N.D.	
75) Benzo(g,h,i)perylene	0.00	276	0	N.D.	

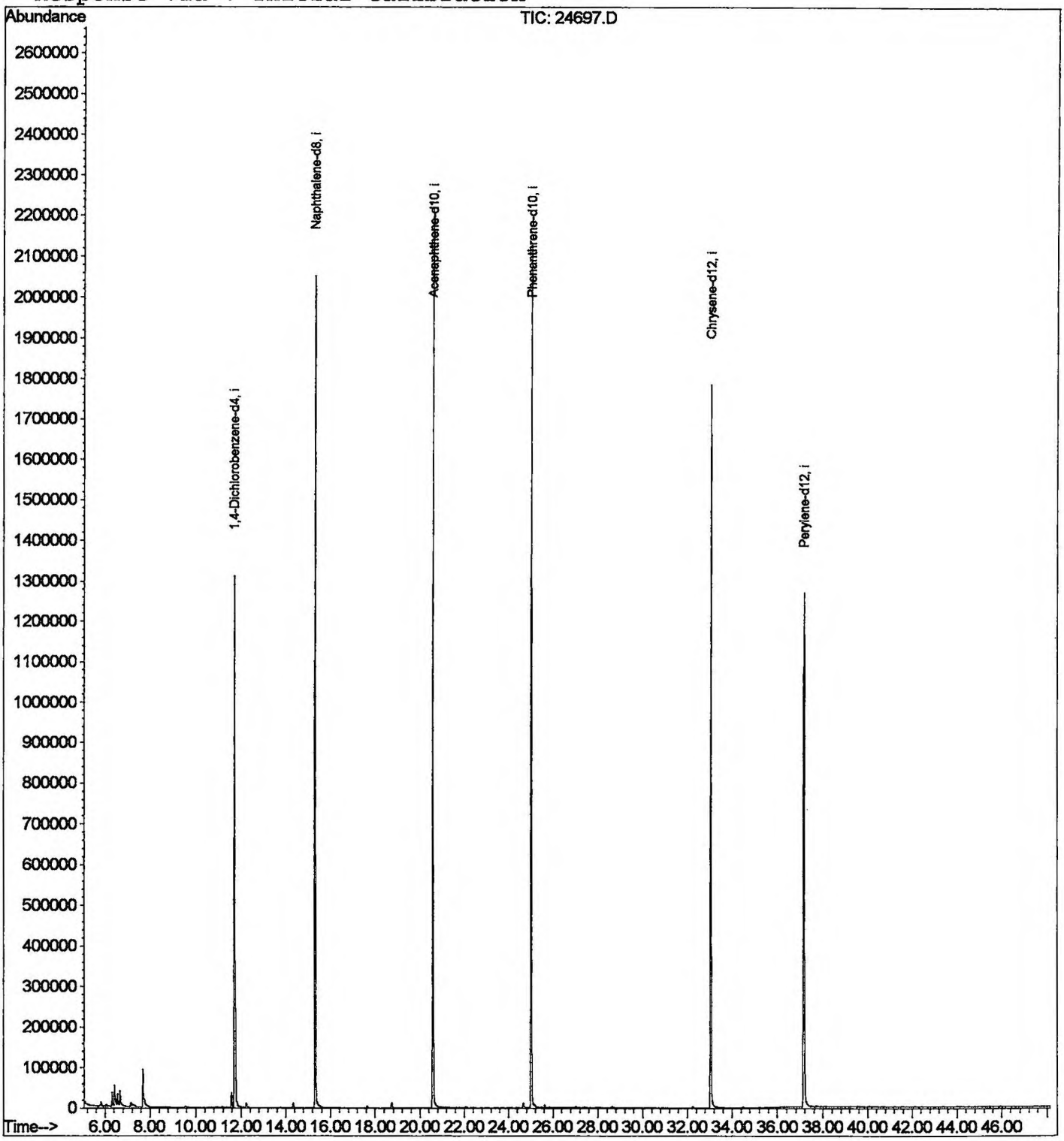
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV0501\24697.D
Acq On : 6 Nov 2001 2:35 am
Sample : gc/ms unknown
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 7 12:26 2001

Vial: 16
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: NP103001.RES

Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Nov 02 16:41:16 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\NOV0501\24697.D Vial: 16
Acq On : 6 Nov 2001 2:35 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

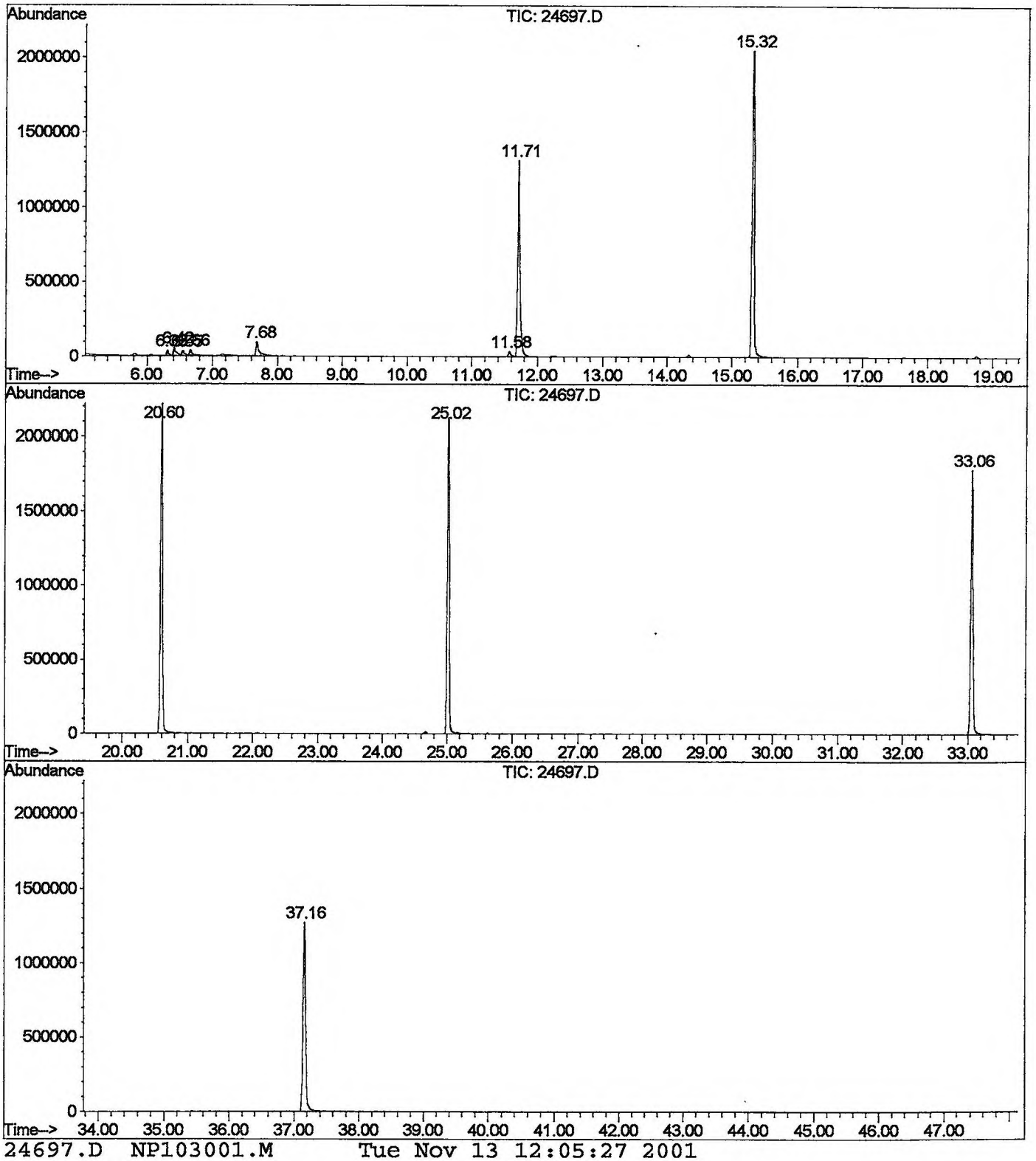
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	6.315	134	138	144	rBV	36006	72495	1.48%	0.280%
2	6.416	146	149	160	rVV2	52507	149599	3.06%	0.578%
3	6.554	160	164	173	rVV	30097	75481	1.54%	0.292%
4	6.664	173	176	191	rVB	36973	92386	1.89%	0.357%
5	7.683	284	287	294	rBV	93609	233229	4.77%	0.902%
6	11.575	707	711	720	rBV	36445	88602	1.81%	0.343%
7	11.713	720	726	753	rVV	1311656	3317199	67.89%	12.825%
8	15.321	1113	1119	1136	rBV	2052865	4459744	91.27%	17.242%
9	20.600	1687	1694	1720	rBV	2219889	4886419	100.00%	18.892%
10	25.015	2169	2175	2188	rBV2	2125206	4712530	96.44%	18.220%
11	33.057	3044	3051	3068	rBV2	1785757	4218649	86.33%	16.310%
12	37.161	3490	3498	3512	rBV2	1268387	3558940	72.83%	13.760%

Sum of corrected areas: 25865273

24697.D NP103001.M Tue Nov 13 12:05:25 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV0501\24697.D
Operator : 209 GALOS
Acquired : 6 Nov 2001 2:35 am using AcqMethod NP103001
Instrument : GC/MS 209
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 16
Quant File :NP103001.RES (RTE Integrator)



24697.D NP103001.M Tue Nov 13 12:05:27 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0501\24697.D
Acq On : 6 Nov 2001 2:35 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

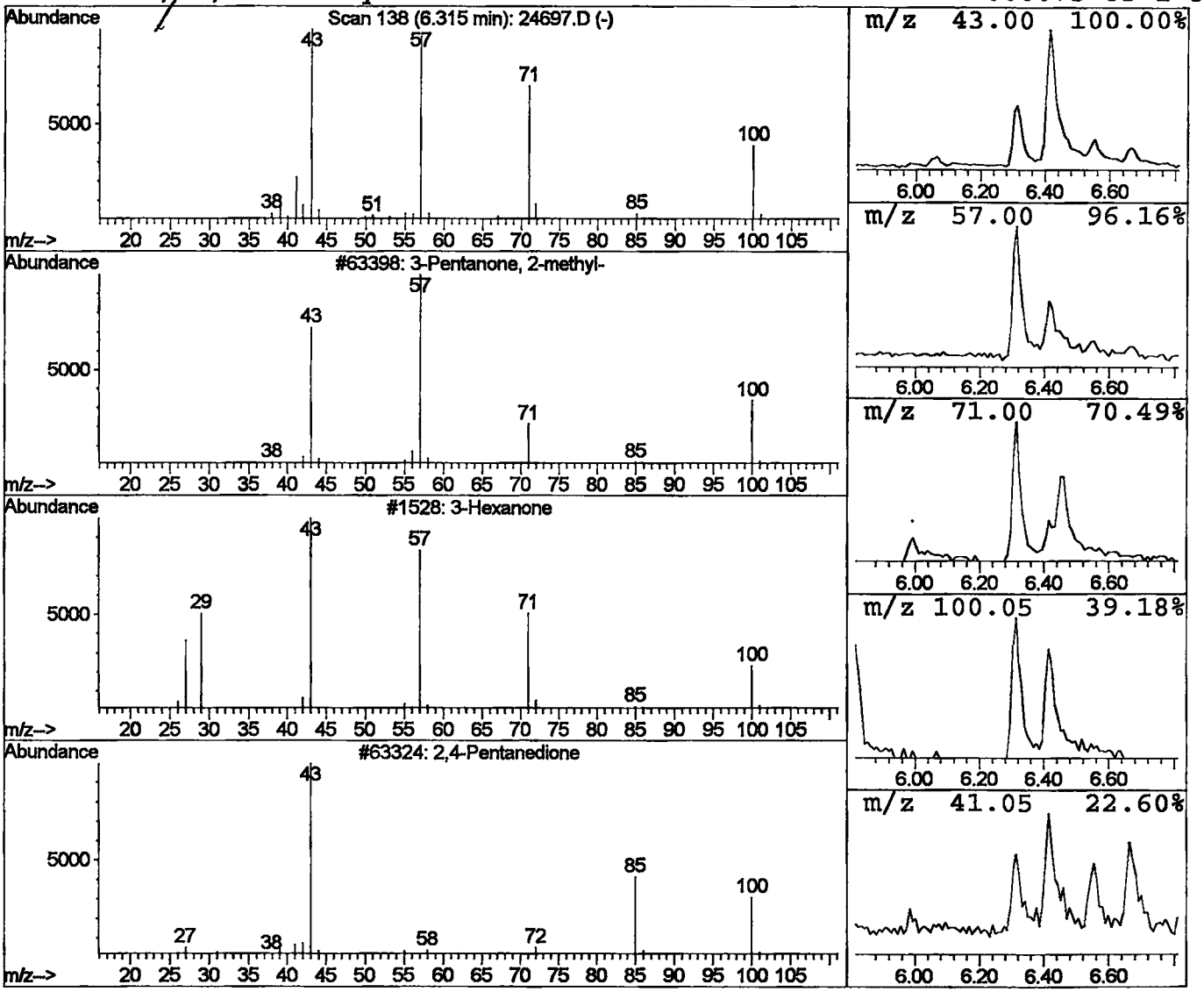
Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 3-Pentanone, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	0.44 ug/l	72495	1,4-Dichlorobenzene-d4	11.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone, 2-methyl-	100	C6H12O	000565-69-5	72
2	3-Hexanone	100	C6H12O	000589-38-8	72
3	2,4-Pentanedione	100	C5H8O2	000123-54-6	46
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	33



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0501\24697.D
Acq On : 6 Nov 2001 2:35 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

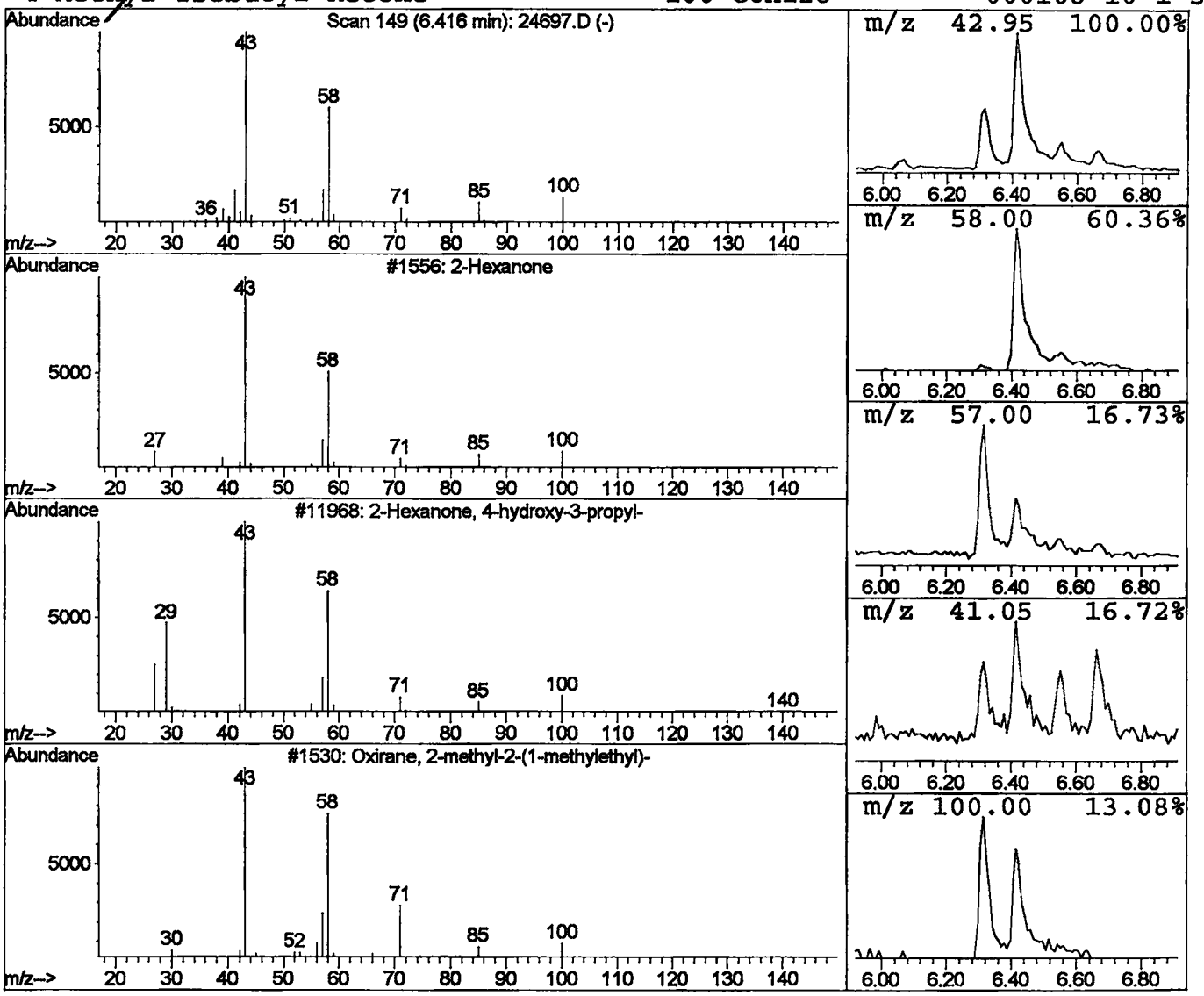
Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Hexanone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	0.90 ug/l	149599	1,4-Dichlorobenzene-d4	11.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone	100	C6H12O	000591-78-6	91
2	2-Hexanone, 4-hydroxy-3-propyl-	158	C9H18O2	062338-17-4	83
3	Oxirane, 2-methyl-2-(1-methylethyl)	100	C6H12O	072221-03-5	78
4	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	58



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0501\24697.D
Acq On : 6 Nov 2001 2:35 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

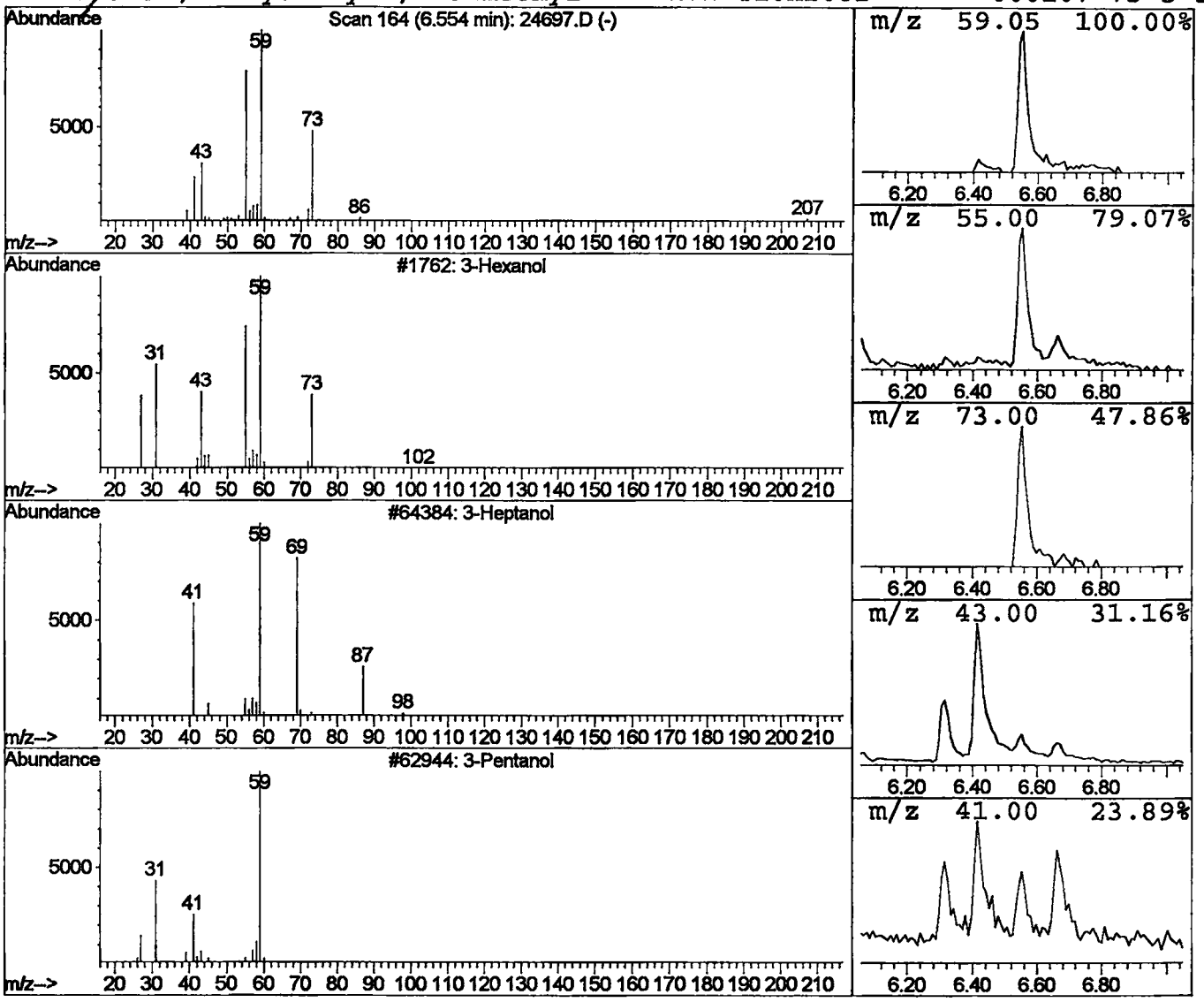
Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 3-Hexanol — Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	0.46 ug/l	75481	1,4-Dichlorobenzene-d4	11.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol	102	C6H14O	000623-37-0	83
2	3-Heptanol	116	C7H16O	000589-82-2	38
3	3-Pentanol	88	C5H12O	000584-02-1	36
4	Octanal, 7-hydroxy-3,7-dimethyl-	172	C10H20O2	000107-75-5	36



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0501\24697.D
Acq On : 6 Nov 2001 2:35 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

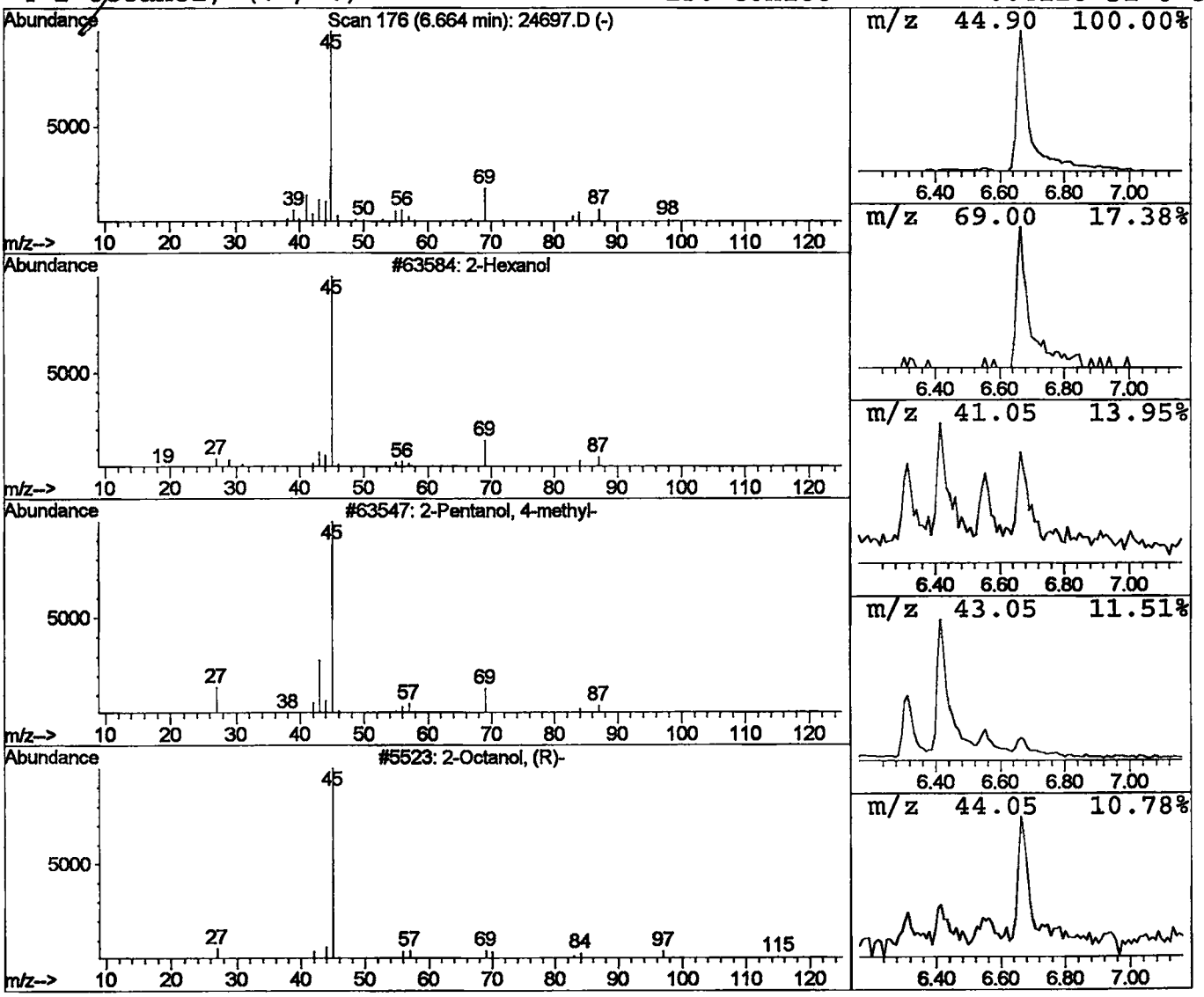
Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 2-Hexanol — Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	0.56 ug/l	92386	1,4-Dichlorobenzene-d4	11.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	83
2	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	83
3	2-Octanol, (R)-	130	C8H18O	005978-70-1	56
4	2-Octanol, (.+/-.)-	130	C8H18O	004128-31-8	50



Library Search Compound Report

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Acq On : 6 Nov 2001 2:35 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

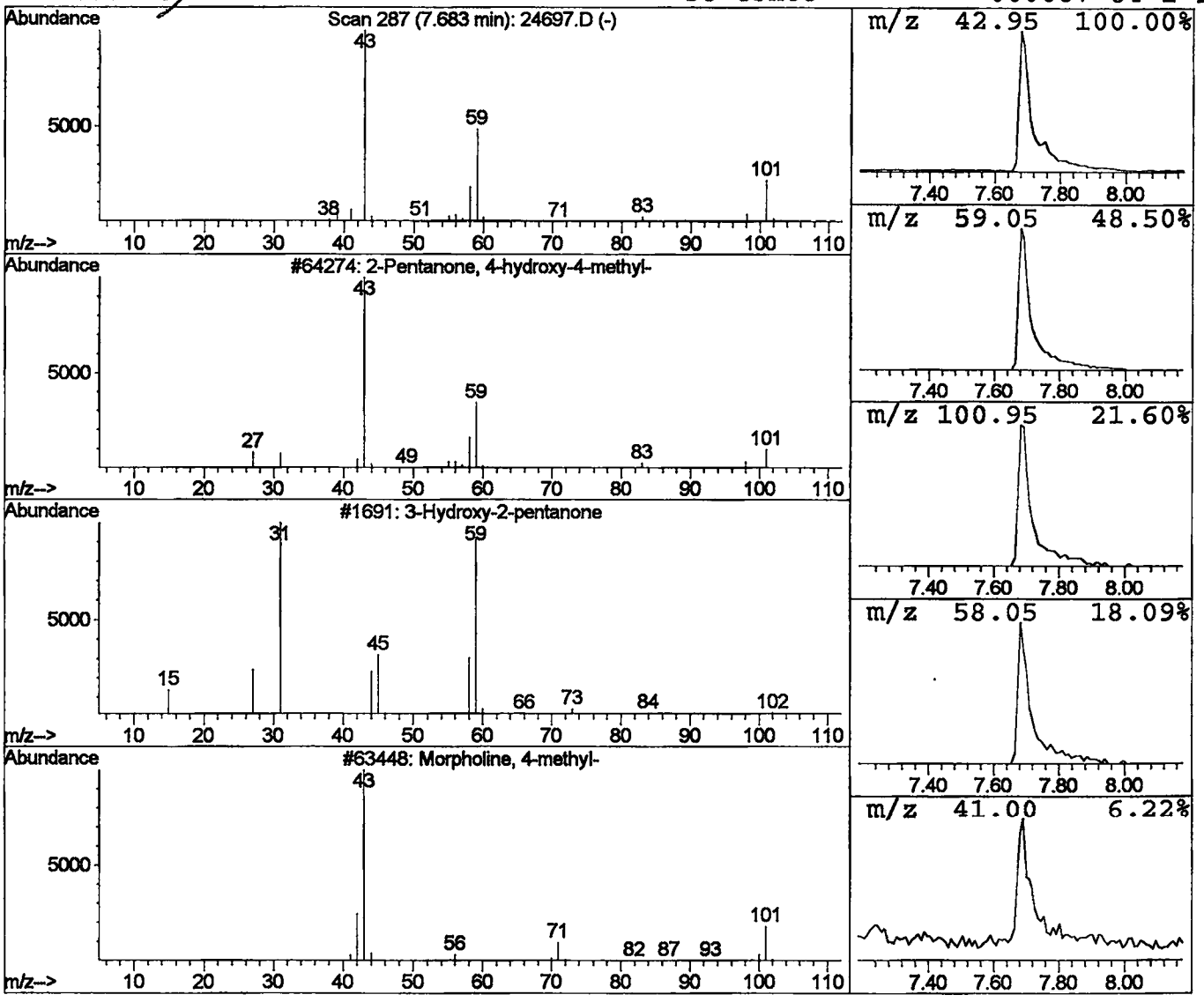
Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	1.41 ug/l	233229	1,4-Dichlorobenzene-d4	11.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	3-Hydroxy-2-pentanone	102	C5H10O2	003142-66-3	9
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	Acetone	58	C3H6O	000067-64-1	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0501\24697.D
Acq On : 6 Nov 2001 2:35 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

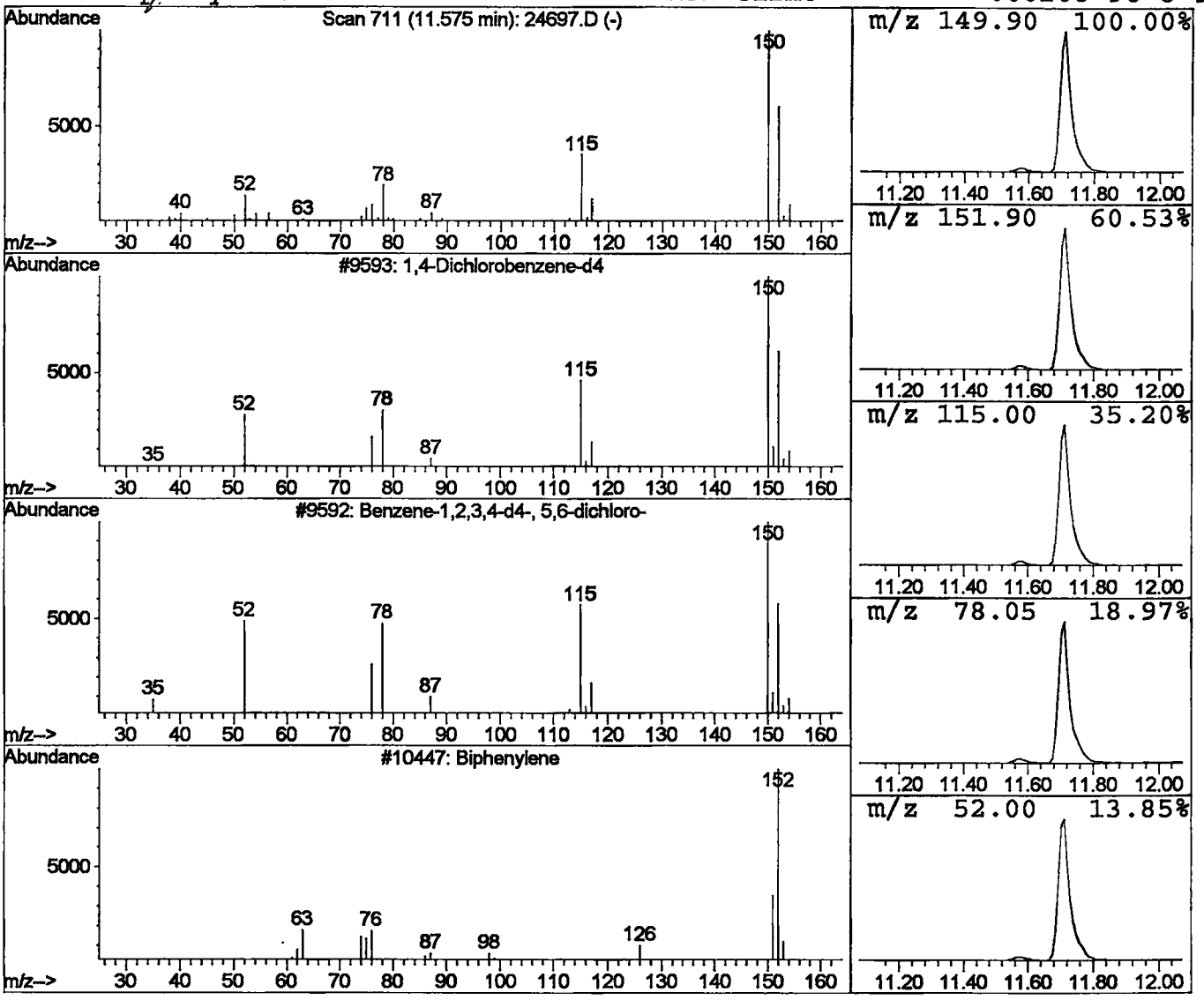
Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 1,4-Dichlorobenzene-d4 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	0.53 ug/l	88602	1,4-Dichlorobenzene-d4	11.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dichlorobenzene-d4	150	C6Cl2D4	003855-82-1	53
2	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	27
3	Biphenylene	152	C12H8	000259-79-0	9
4	Acenaphthylene	152	C12H8	000208-96-8	9



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 6 Nov 2001 2:35 am
Data File: C:\HPCHEM\1\DATA\NOV0501\24697.D
Name: gc/ms unknown
Misc:
Method: C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title: 209 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
3-Pentanone, 2-methy	6.32	0.4	ug/l	72495	ISTD01	11.71	3317200	20.0
2-Hexanone	6.42	0.9	ug/l	149599	ISTD01	11.71	3317200	20.0
3-Hexanol	6.55	0.5	ug/l	75481	ISTD01	11.71	3317200	20.0
2-Hexanol	6.66	0.6	ug/l	92386	ISTD01	11.71	3317200	20.0
2-Pentanone, 4-hydro	7.68	1.4	ug/l	233229	ISTD01	11.71	3317200	20.0
1,4-Dichlorobenzene-	11.58	0.5	ug/l	88602	ISTD01	11.71	3317200	20.0

24697.D NP103001.M Tue Nov 13 12:05:45 2001