

User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 10/29/2001 Time: 10:12:24

Sample: AD24047
Analysis: \$GCMS GCMS Scan For Unknowns
Units: ug
Started: 10/29/01 10:11 Ended: 10/29/01 10:11 Analyst: MG
Page: 1

Component Name	Vol	Result
Other unknown compounds		see comment

Comments for Sample AD24047 - Analysis \$GCMS

Westchester Dept. of Labs & Research

User: Galos, Marie

Date: 10-29-2001 Time: 10:12:29

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\OCT2501\24047.D

Vial: 8

Acq On : 25 Oct 2001 7:31 pm

Operator: 209 GALOS

Sample : gc/ms unknown

Inst : GC/MS 209

Misc :

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 26 9:04 2001

Quant Results File: NP101901.RES

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)

Title : 209 625/TCLP calibration table 7/16/01

Last Update : Tue Oct 23 10:12:13 2001

Response via : Initial Calibration

DataAcq Meth : NP101901

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.73	152	590211	20.00	ug/l	-0.02
19) Naphthalene-d8	15.35	136	2416463	20.00	ug/l	-0.01
31) Acenaphthene-d10	20.63	164	1212090	20.00	ug/l	0.00
49) Phenanthrene-d10	25.06	188	1825898m	20.00	ug/l	0.00
59) Chrysene-d12	33.10	240	1129513	20.00	ug/l	0.00
68) Perylene-d12	37.21	264	799746	20.00	ug/l	0.01

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	0.00	132	0	0.00	ug/l	
Spiked Amount	75.000		Recovery	=	0.00%	
7) 1,2-Dichlorobenzene-d4	12.26	152	6793	0.17	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	0.34%	
20) Nitrobenzene-d5	0.00	82	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
32) 2-Fluorobiphenyl	18.78	172	2828	0.02	ug/l	0.13
Spiked Amount	50.000		Recovery	=	0.04%	
33) 2,4,6-Tribromophenol	0.00	330	0	0.00	ug/l	
Spiked Amount	75.000		Recovery	=	0.00%	
62) Terphenyl-d14	0.00	244	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-nitroso-dimethyl amine	0.00	74	0	N.D.	
8) Phenol	10.89	94	104	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

24047.D NP101901.M Fri Oct 26 09:26:28 2001

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Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT2501\24047.D

Vial: 8

Acq On : 25 Oct 2001 7:31 pm

Operator: 209 GALOS

Sample : gc/ms unknown

Inst : GC/MS 209

Misc :

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 26 9:04 2001

Quant Results File: NP101901.RES

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)

Title : 209 625/TCLP calibration table 7/16/01

Last Update : Tue Oct 23 10:12:13 2001

Response via : Initial Calibration

DataAcq Meth : NP101901

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.	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	0.00	65	0	N.D.		
44) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
45) Diethylphthalate	22.14	149	197	N.D.		
46) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
47) Fluorene	0.00	166	0	N.D.		
48) Azobenzene/ 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	0.00	178	0	N.D.	d	
56) Anthracene	0.00	178	0	N.D.		
57) Di-n-butylphthalate	27.06	149	6420	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	33.10	228	3011	N.D.		
66) Bis(2-ethylhexyl)phthalate	33.36	149	6571	N.D.		
67) Chrysene	33.10	228	3011	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

24047.D NP101901.M Fri Oct 26 09:26:34 2001

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT2501\24047.D

Vial: 8

Acq On : 25 Oct 2001 7:31 pm

Operator: 209 GALOS

Sample : gc/ms unknown

Inst : GC/MS 209

Misc :

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Oct 26 9:04 2001

Quant Results File: NP101901.RES

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)

Title : 209 625/TCLP calibration table 7/16/01

Last Update : Tue Oct 23 10:12:13 2001

Response via : Initial Calibration

DataAcq Meth : NP101901

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71) Benzo(k)fluoranthene	0.00	252	0	N.D.		
72) Benzo(a)pyrene	37.20	252	2996	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
24047.D NP101901.M Fri Oct 26 09:26:35 2001

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Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT2501\24047.D

Acq On : 25 Oct 2001 7:31 pm

Sample : gc/ms unknown

Misc :

MS Integration Params: RTEINT.P

Quant Time: Oct 26 9:04 2001

Vial: 8

Operator: 209 GALOS

Inst : GC/MS 209

Multiplr: 1.00

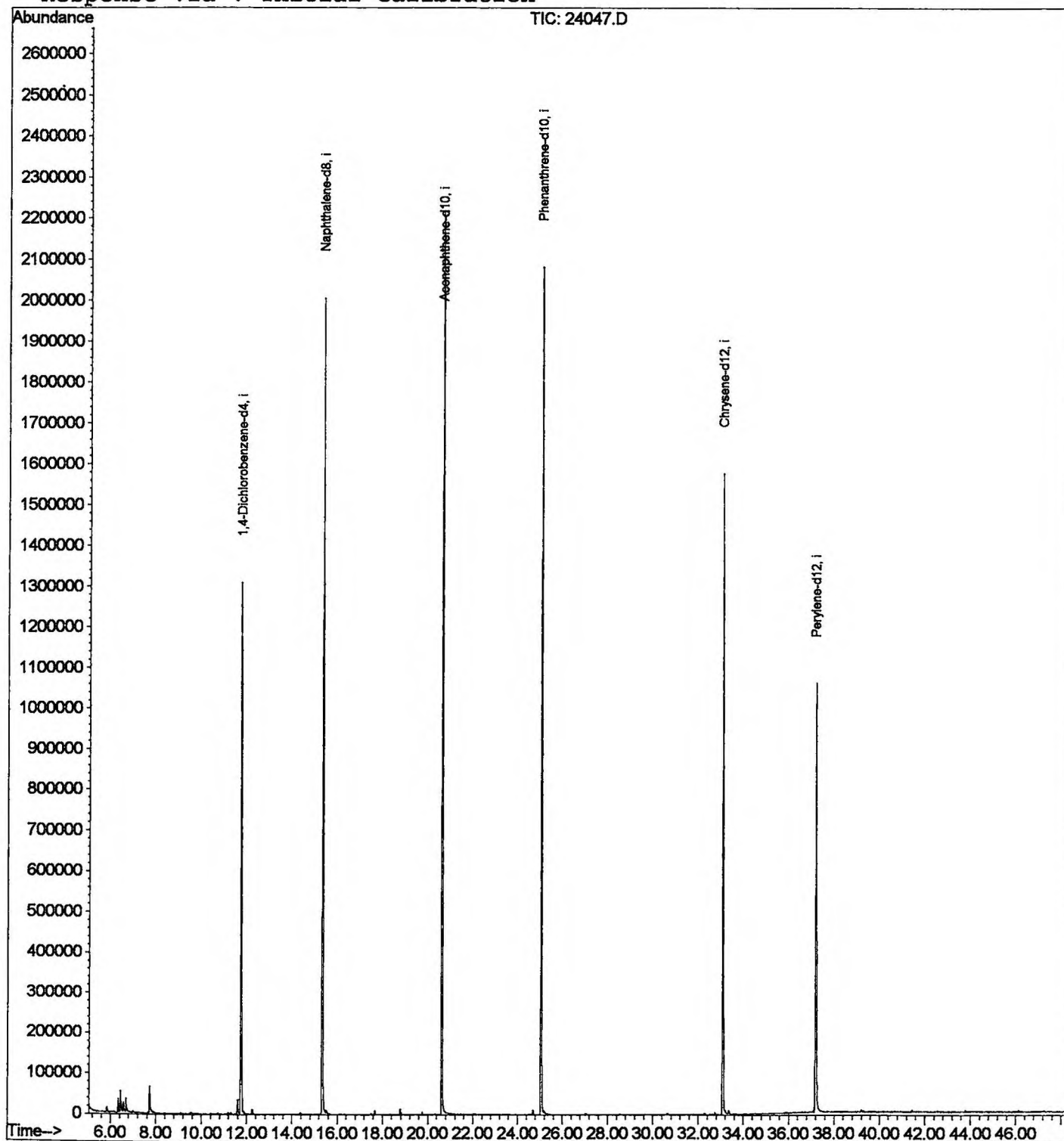
Quant Results File: NP101901.RES

Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)

Title : 209 625/TCLP calibration table 7/16/01

Last Update : Tue Oct 23 10:12:13 2001

Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\OCT2501\24047.D
 Acq On : 25 Oct 2001 7:31 pm
 Sample : gc/ms unknown
 Misc :
 MS Integration Params: LSCINT.P

Vial: 8
 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\NP101901.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

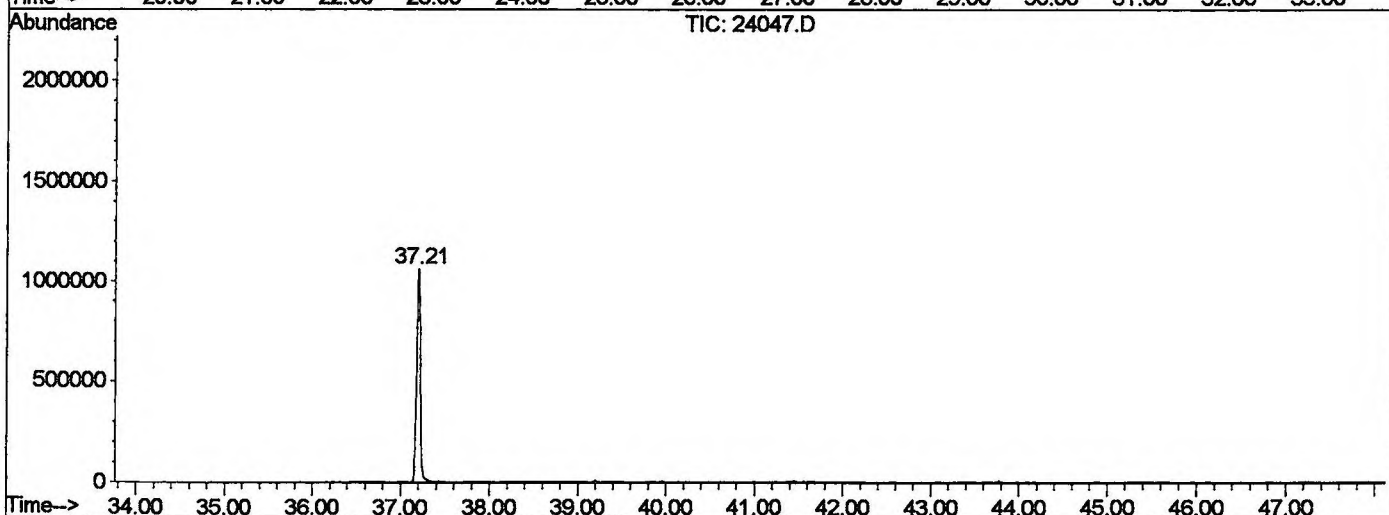
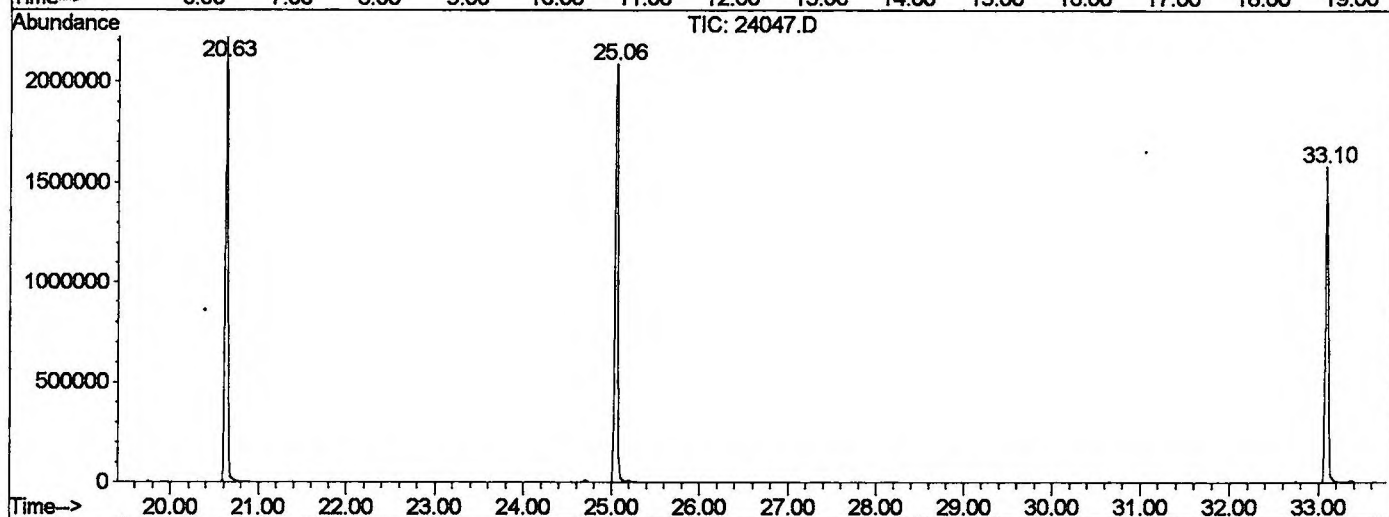
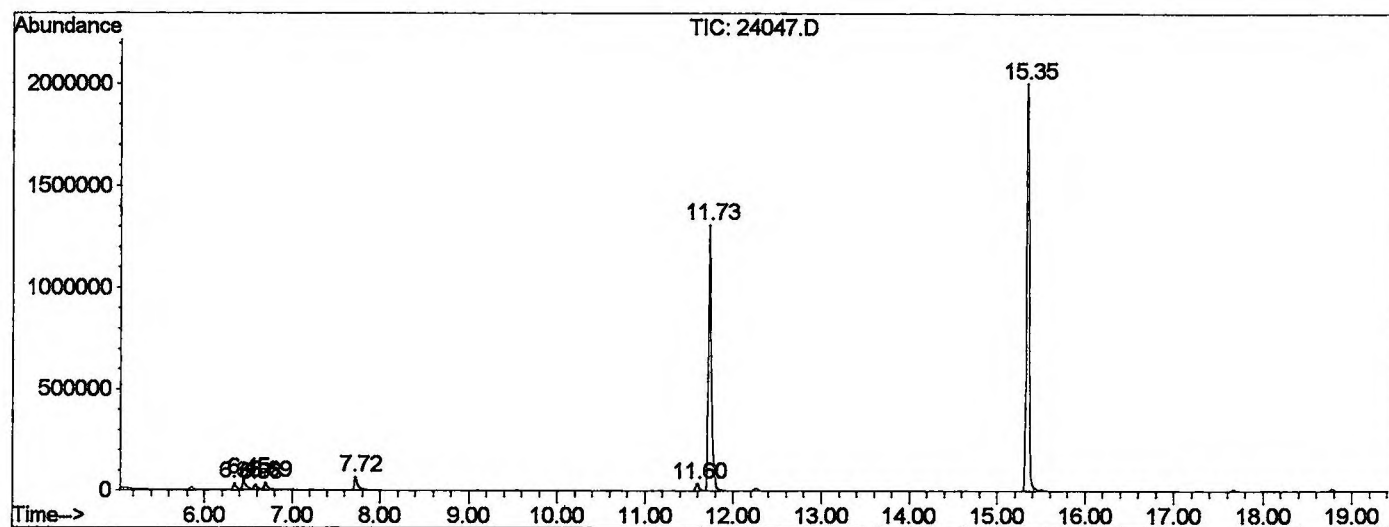
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	6.345	138	142	149	rBV	34188	68213	1.41%	0.280%
2	6.446	149	153	165	rVV	52567	130665	2.69%	0.536%
3	6.584	165	168	173	rVV	24252	50218	1.03%	0.206%
4	6.694	177	180	187	rVV	32671	66431	1.37%	0.273%
5	7.722	288	292	298	rBV	66176	147165	3.03%	0.604%
6	11.596	708	714	724	rBV	35253	85362	1.76%	0.350%
7	11.734	724	729	745	rVV	1307448	3152472	64.96%	12.938%
8	15.351	1116	1123	1139	rBV	2006050	4449792	91.70%	18.263%
9	20.630	1692	1698	1720	rBV	2218597	4852731	100.00%	19.917%
10	25.064	2173	2181	2193	rBV	2080747	4664146	96.11%	19.143%
11	33.097	3049	3056	3074	rBV2	1577017	3673723	75.70%	15.078%
12	37.209	3495	3504	3520	rBV	1056635	3024324	62.32%	12.412%

Sum of corrected areas: 24365242

24047.D NP101901.M Fri Oct 26 10:17:00 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\OCT2501\24047.D
 Operator : 209 GALOS
 Acquired : 25 Oct 2001 7:31 pm using AcqMethod NP101901
 Instrument : GC/MS 209
 Sample Name: gc/ms unknown
 Misc Info :
 Vial Number: 8
 Quant File :NP101901.RES (RTE Integrator)



24047.D NP101901.M Fri Oct 26 10:17:04 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT2501\24047.D
Acq On : 25 Oct 2001 7:31 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

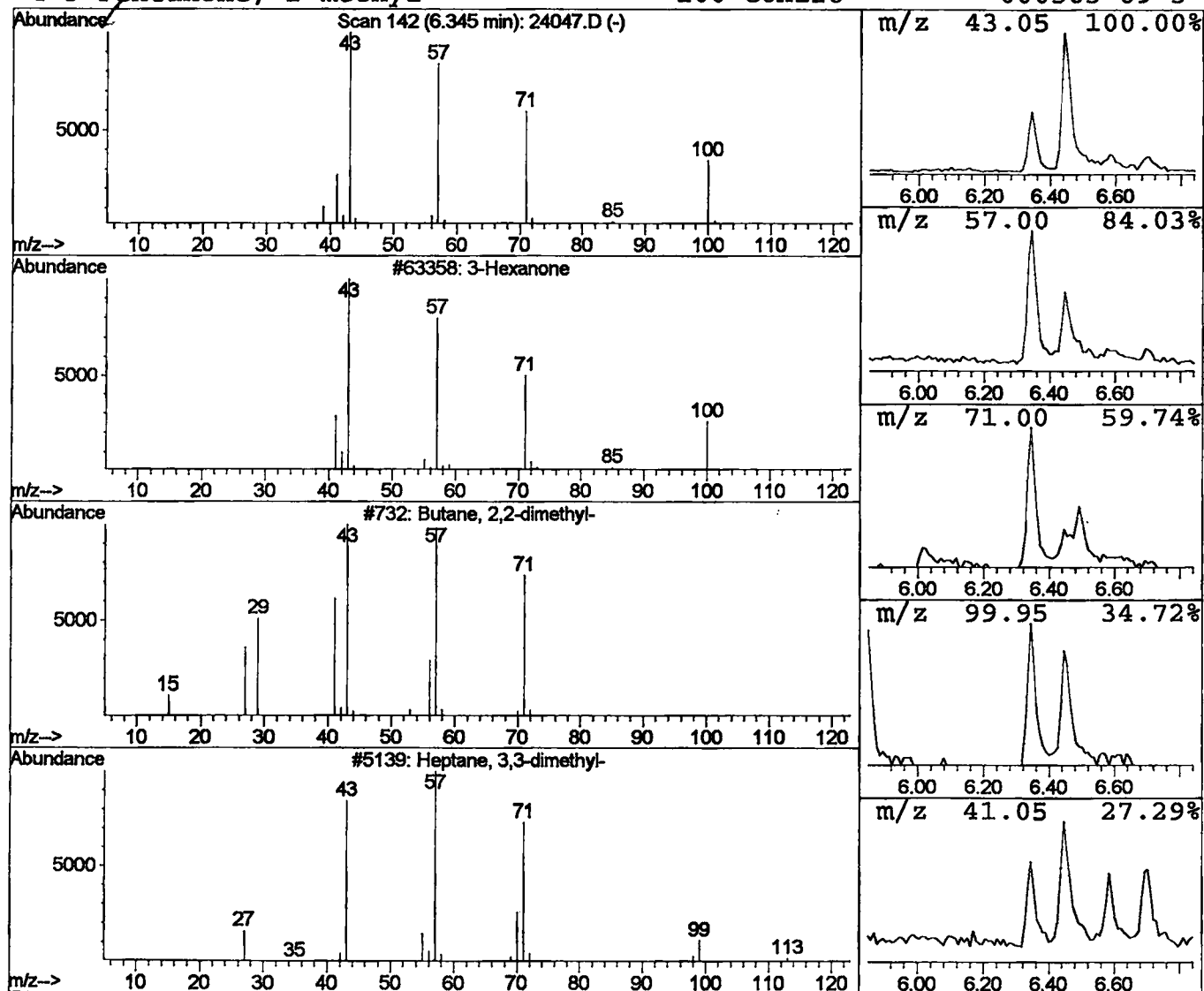
Vial: 8
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

Peak Number 1 3-Hexanone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	0.43 ug/l	68213	1,4-Dichlorobenzene-d4	11.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Hexanone	100	C6H12O	000589-38-8	86
2		Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
3		Heptane, 3,3-dimethyl-	128	C9H20	004032-86-4	53
4		3-Pentanone, 2-methyl-	100	C6H12O	000565-69-5	47



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT2501\24047.D
 Acq On : 25 Oct 2001 7:31 pm
 Sample : gc/ms unknown
 Misc :
 MS Integration Params: LSCINT.P

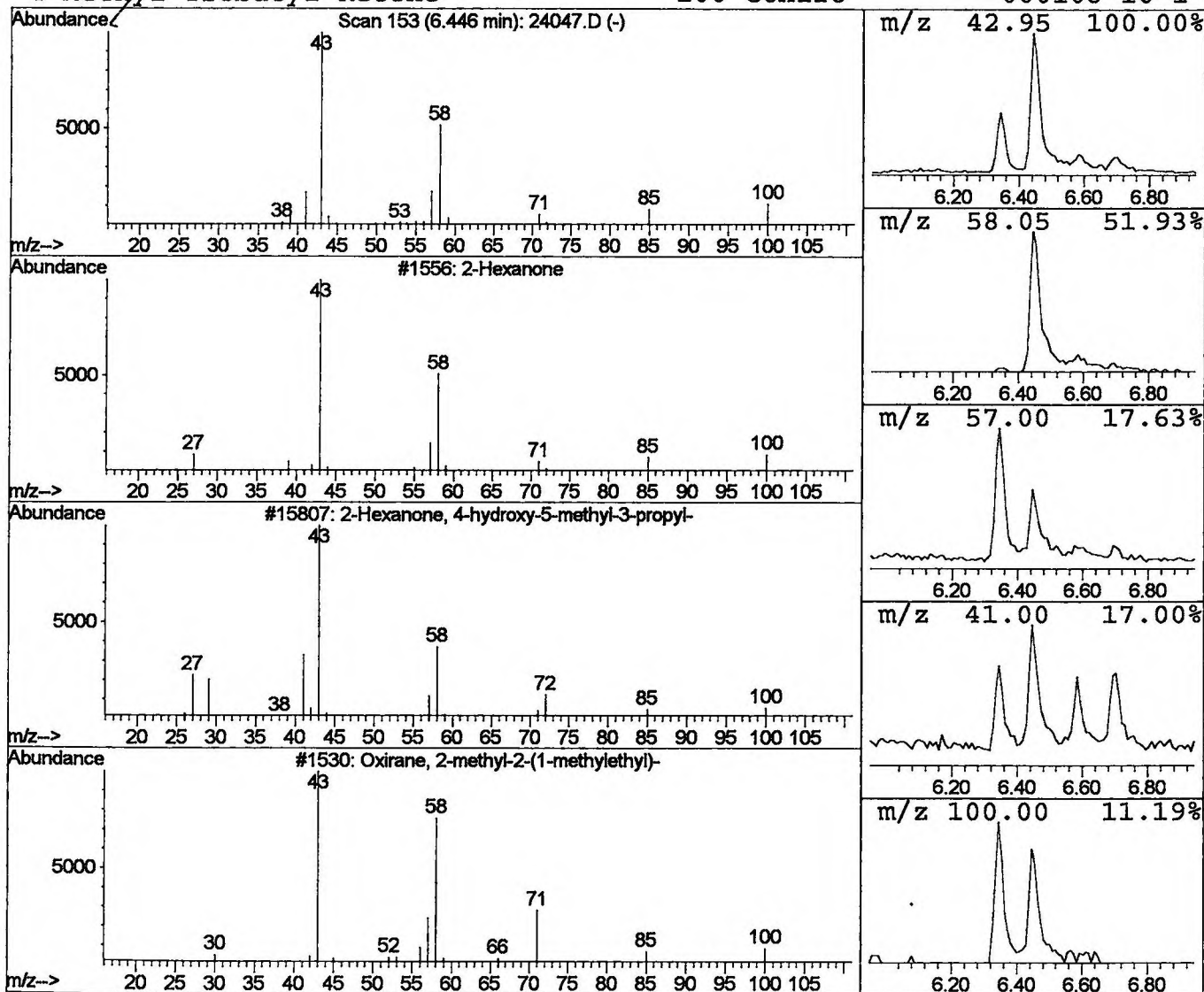
Vial: 8
 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
 Title : 209 625/TCLP calibration table 7/16/01
 Library : C:\DATABASE\NBS75K.L

 Peak Number 2 2-Hexanone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	0.83 ug/l	130665	1,4-Dichlorobenzene-d4	11.73

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Hexanone	100	C6H12O	000591-78-6	90
2			2-Hexanone, 4-hydroxy-5-methyl-3-pr	172	C10H20O2	061141-74-0	74
3			Oxirane, 2-methyl-2-(1-methylethyl)	100	C6H12O	072221-03-5	72
4			Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	53



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT2501\24047.D
 Acq On : 25 Oct 2001 7:31 pm
 Sample : gc/ms unknown
 Misc :
 MS Integration Params: LSCINT.P

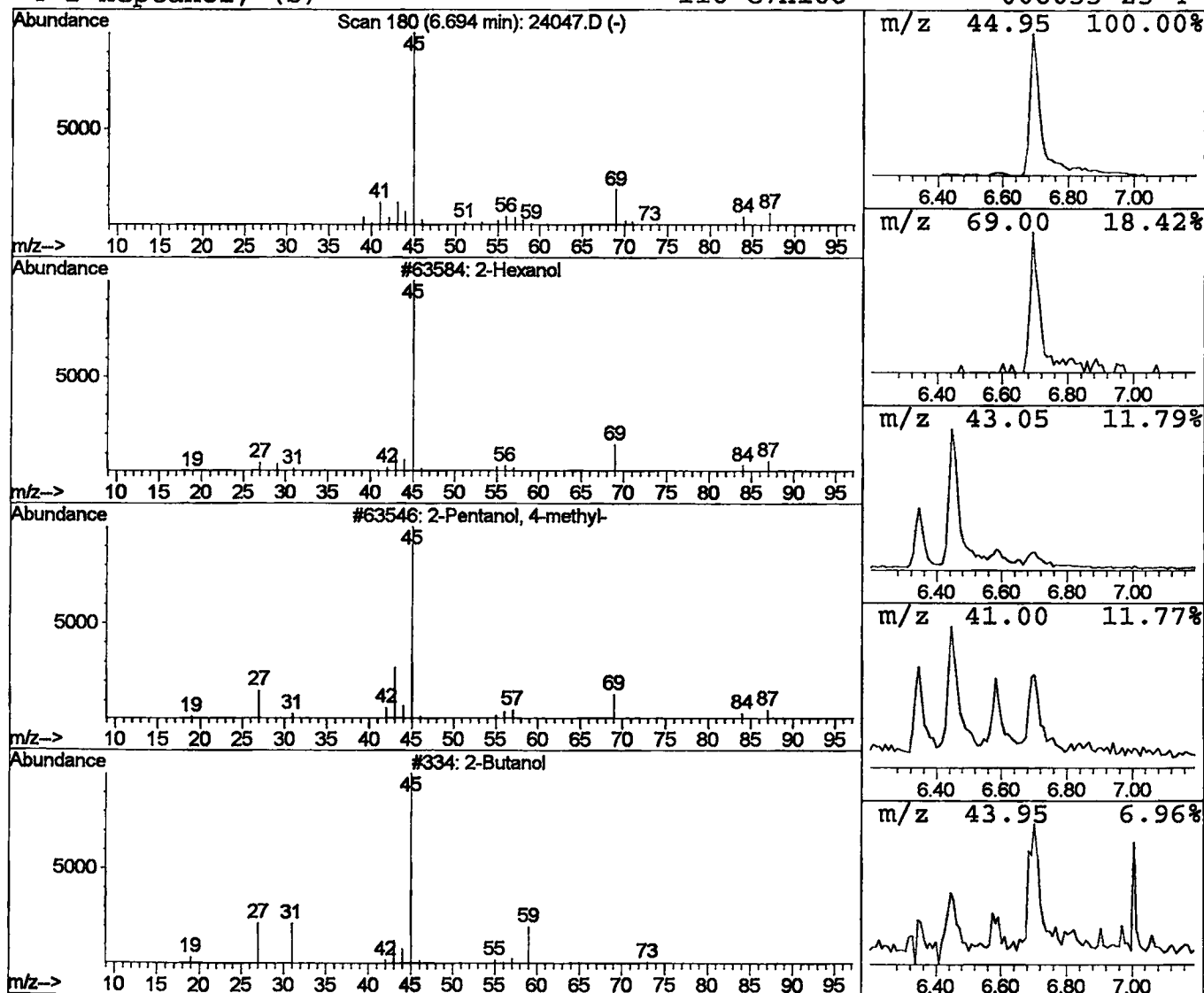
Vial: 8
 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
 Title : 209 625/TCLP calibration table 7/16/01
 Library : C:\DATABASE\NBS75K.L

 Peak Number 3 2-Hexanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	0.42 ug/l	66431	1,4-Dichlorobenzene-d4	11.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Hexanol	102	C6H14O	000626-93-7	83
2		2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	64
3		2-Butanol	74	C4H10O	000078-92-2	39
4		2-Heptanol, (S)-	116	C7H16O	006033-23-4	39



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT2501\24047.D
Acq On : 25 Oct 2001 7:31 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

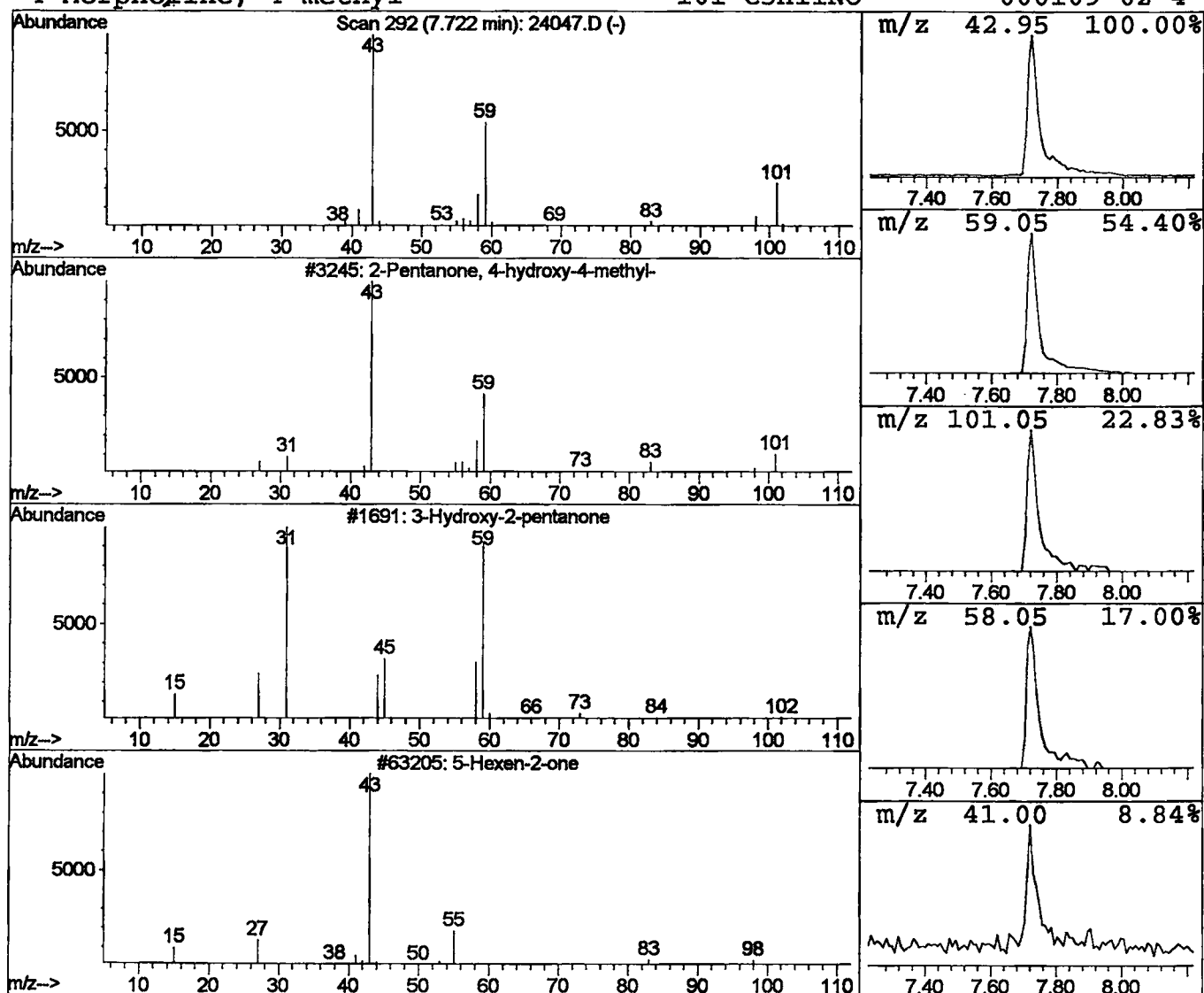
Vial: 8
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

Peak Number 4 2-Pentanone, 4-hydroxy-4-methyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	0.93 ug/l	147165	1,4-Dichlorobenzene-d4	11.73

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	39
2			3-Hydroxy-2-pentanone	102	C5H10O2	003142-66-3	9
3			5-Hexen-2-one	98	C6H10O	000109-49-9	9
4			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT2501\24047.D
 Acq On : 25 Oct 2001 7:31 pm
 Sample : gc/ms unknown
 Misc :
 MS Integration Params: LSCINT.P

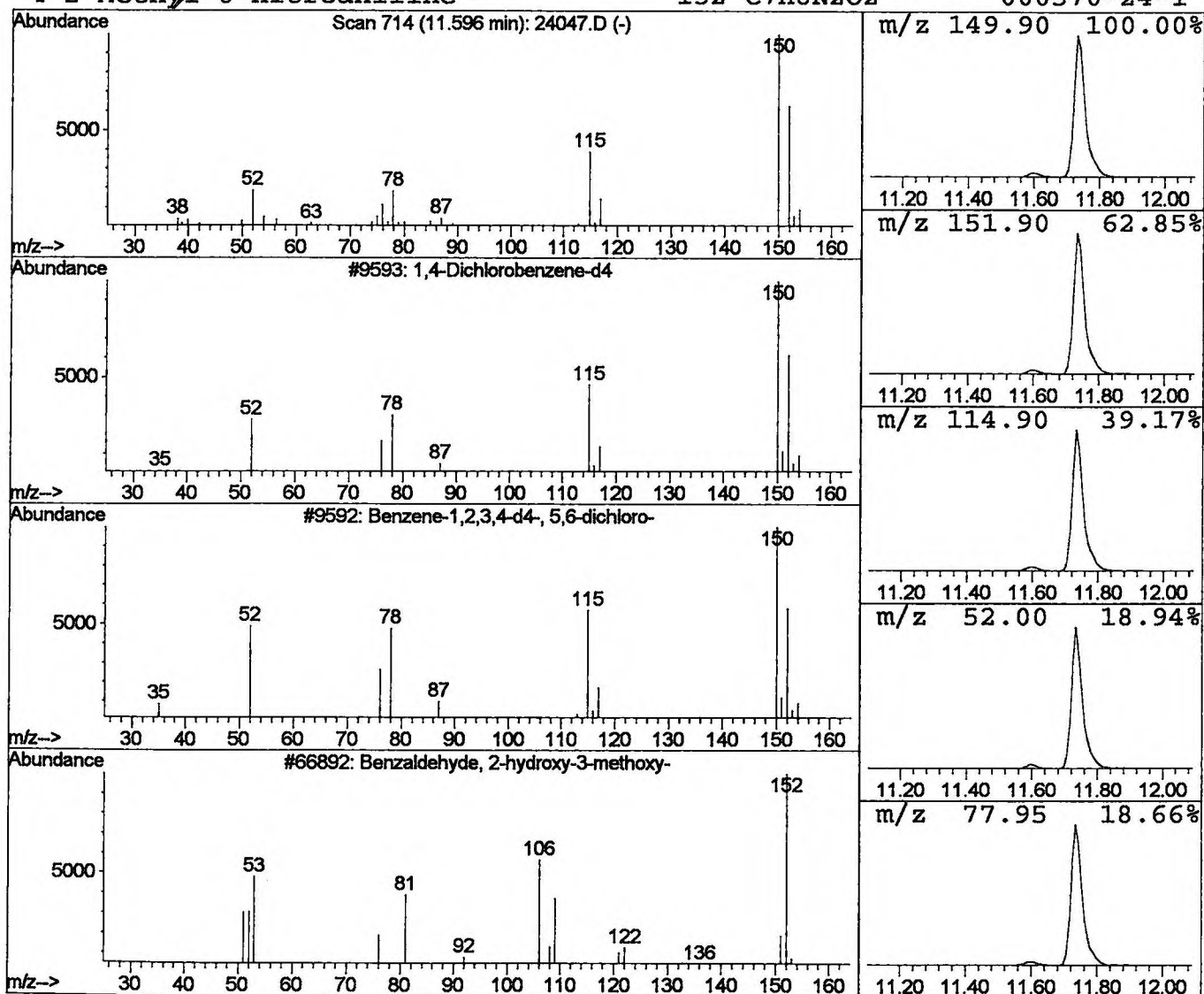
Vial: 8
 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
 Title : 209 625/TCLP calibration table 7/16/01
 Library : C:\DATABASE\NBS75K.L

 Peak Number 5 1,4-Dichlorobenzene-d4 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	0.54 ug/l	85362	1,4-Dichlorobenzene-d4	11.73

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,4-Dichlorobenzene-d4	150	C6Cl2D4	003855-82-1	47
2			Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	40
3			Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	14
4			2-Methyl-6-nitroaniline	152	C7H8N2O2	000570-24-1	10



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 25 Oct 2001 7:31 pm
Data File: C:\HPCHEM\1\DATA\OCT2501\24047.D
Name: gc/ms unknown
Misc:
Method: C:\HPCHEM\1\METHODS\NP101901.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- Hexanone	6.35	0.4	ug/l	68213	ISTD01	11.73	3152470	20.0
2- Hexanone	6.45	0.8	ug/l	130665	ISTD01	11.73	3152470	20.0
2- Hexanol	6.69	0.4	ug/l	66431	ISTD01	11.73	3152470	20.0
2-Pentanone, 4-hydro	7.72	0.9	ug/l	147165	ISTD01	11.73	3152470	20.0
1,4- Dichlorobenzene	11.60	0.5	ug/l	85362	ISTD01	11.73	3152470	20.0

24047.D NP101901.M Fri Oct 26 10:17:49 2001