User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 11/14/2001 Time: 08:44:08

Sample: AD24472
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 11/14/01 08:43 Ended: 11/14/01 08:43 Analyst: MG
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		see comment

Comments for Sample AD24472 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Galos, Marie
Date: 11-14-2001 Time: 08:44:13

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 : M:\INSTRU~1\209\DATA\OCT1601\24472.D Vial: 17
Acq On : 17 Oct 2001 5:53 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 12:07 2001 Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Fri Oct 12 09:04:47 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.77	152	367732	20.00	ug/l	-0.14
19) Naphthalene-d8	15.37	136	1434655	20.00	ug/l	-0.15
31) Acenaphthene-d10	20.65	164	675795	20.00	ug/l	-0.16
49) Phenanthrene-d10	25.08	188	980533	20.00	ug/l	-0.16
59) Chrysene-d12	33.12	240	712019	20.00	ug/l	-0.16
68) Perylene-d12	37.23	264	520732	20.00	ug/l	-0.19
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	11.76	132	172	0.01	ug/l	0.35
Spiked Amount 75.000			Recovery =	0.01%		
7) 1,2-Dichlorobenzene-d4	12.29	152	3618	0.20	ug/l	-0.14
Spiked Amount 50.000			Recovery =	0.40%		
20) Nitrobenzene-d5	0.00	82	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
32) 2-Fluorobiphenyl	18.80	172	1281	0.03	ug/l	-0.01
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	29.99	244	182	0.00	ug/l	-0.16
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	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 : M:\INSTRU~1\209\DATA\OCT1601\24472.D Vial: 17
Acq On : 17 Oct 2001 5:53 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 12:07 2001 Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Fri Oct 12 09:04:47 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

	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	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	25.10	178	266	N.D.	
56)	Anthracene	25.10	178	266	N.D.	
57)	Di-n-butylphthalate	27.08	149	1797	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	33.12	228	1639	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.39	149	652	N.D.	
67)	Chrysene	33.12	228	1639	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 : M:\INSTRU~1\209\DATA\OCT1601\24472.D Vial: 17
Acq On : 17 Oct 2001 5:53 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 12:07 2001 Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Fri Oct 12 09:04:47 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

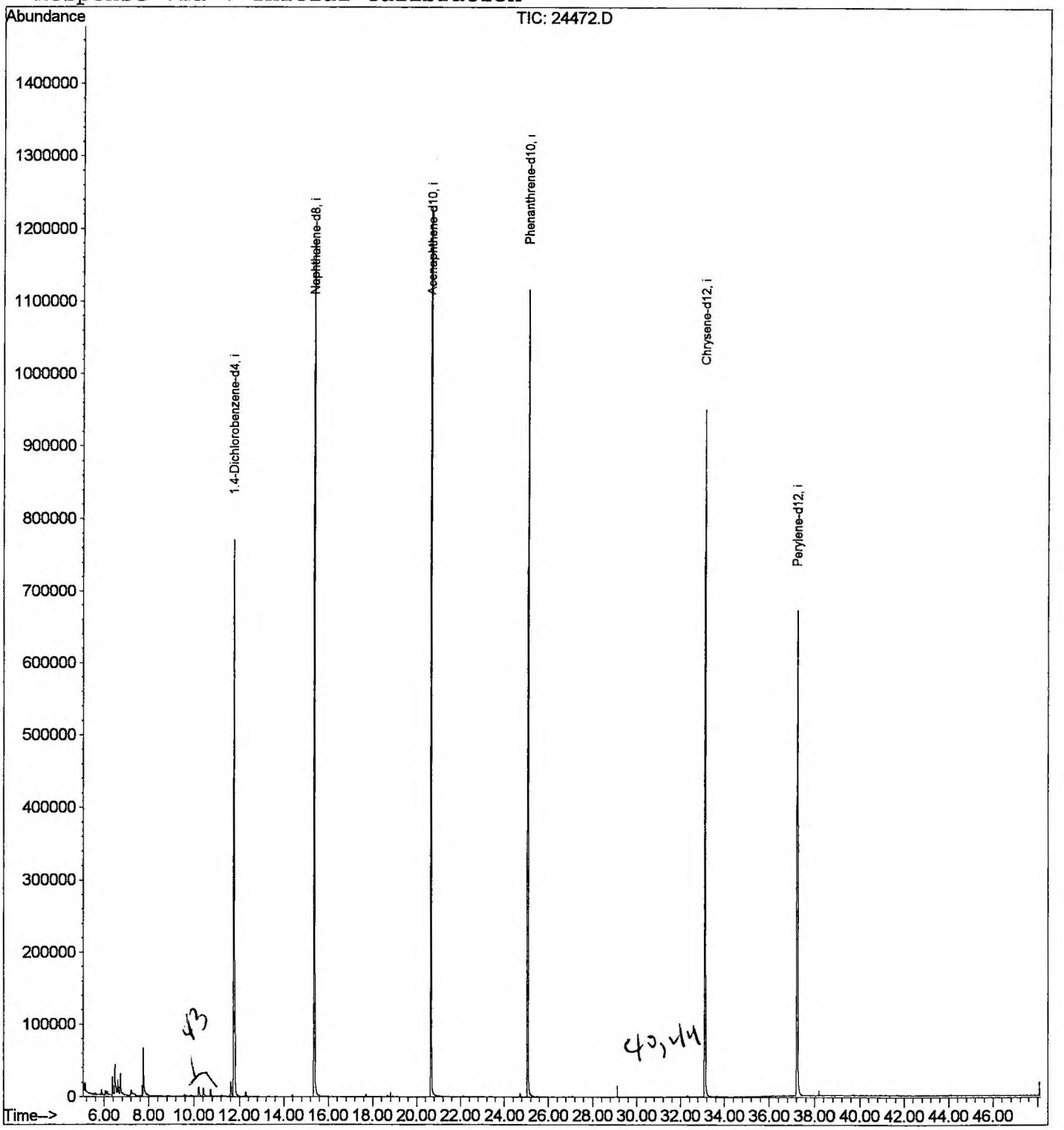
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
72)	Benzo(a)pyrene	37.22	252	1871	N.D.	
73)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
74)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
75)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

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

Quantitation Report

Data File : M:\INSTRU~1\209\DATA\OCT1601\24472.D Vial: 17
Acq On : 17 Oct 2001 5:53 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 12:07 2001 Quant Results File: NP091101.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 : M:\INSTRU~1\209\DATA\OCT1601\24472.D Vial: 17
Acq On : 17 Oct 2001 5:53 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

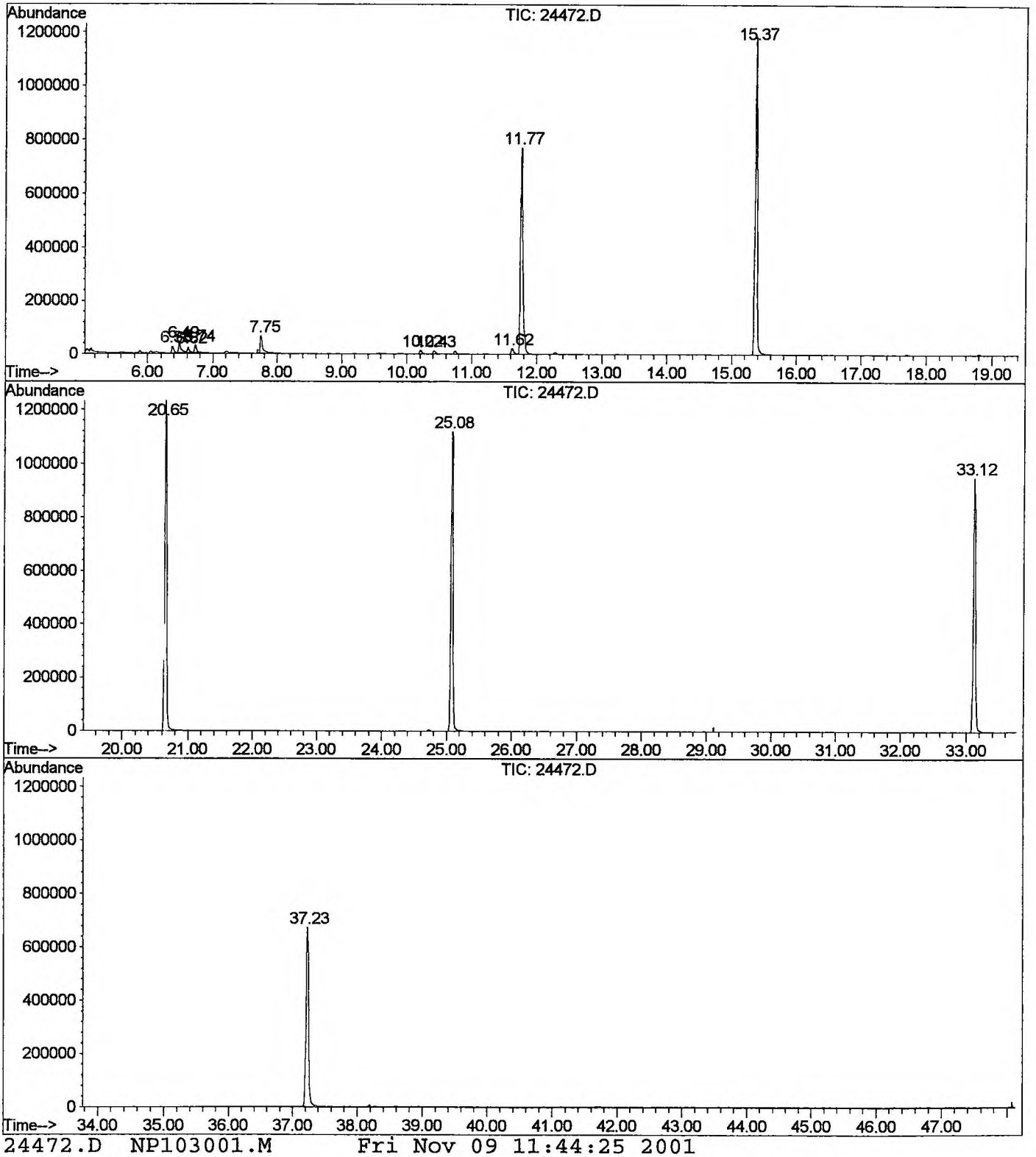
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	6.378	142	146	153	rBV	24730	50873	1.88%	0.354%
2	6.488	153	158	169	rVV	41728	109096	4.03%	0.760%
3	6.617	169	172	180	rVV	20114	44695	1.65%	0.311%
4	6.736	181	185	192	rVB	27315	59000	2.18%	0.411%
5	7.755	292	296	312	rBV	65407	172392	6.37%	1.200%
6	10.215	560	564	572	rBV	13474	31102	1.15%	0.217%
7	10.426	582	587	595	rBV	11421	28624	1.06%	0.199%
8	11.620	713	717	727	rBV	20269	50477	1.87%	0.351%
9	11.767	727	733	754	rBV	771016	1938378	71.65%	13.498%
10	15.375	1120	1126	1144	rBV	1185526	2624807	97.03%	18.278%
11	20.653	1695	1701	1717	rBV	1231740	2705182	100.00%	18.837%
12	25.078	2177	2183	2195	rBV2	1116503	2500175	92.42%	17.410%
13	33.120	3052	3059	3076	rBV2	950770	2190135	80.96%	15.251%
14	37.233	3499	3507	3519	rBV2	671588	1855868	68.60%	12.923%

Sum of corrected areas: 14360804

24472.D NP103001.M Fri Nov 09 11:44:22 2001

LSC Report - Integrated Chromatogram

File : M:\INSTRU~1\209\DATA\OCT1601\24472.D
Operator : 209 GALOS
Acquired : 17 Oct 2001 5:53 am using AcqMethod NP091101
Instrument : GC/MS 209
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 17
Quant File :NP091101.RES (RTE Integrator)



24472.D NP103001.M Fri Nov 09 11:44:25 2001

Library Search Compound Report

Data File : M:\INSTRU~1\209\DATA\OCT1601\24472.D
Acq On : 17 Oct 2001 5:53 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 17
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

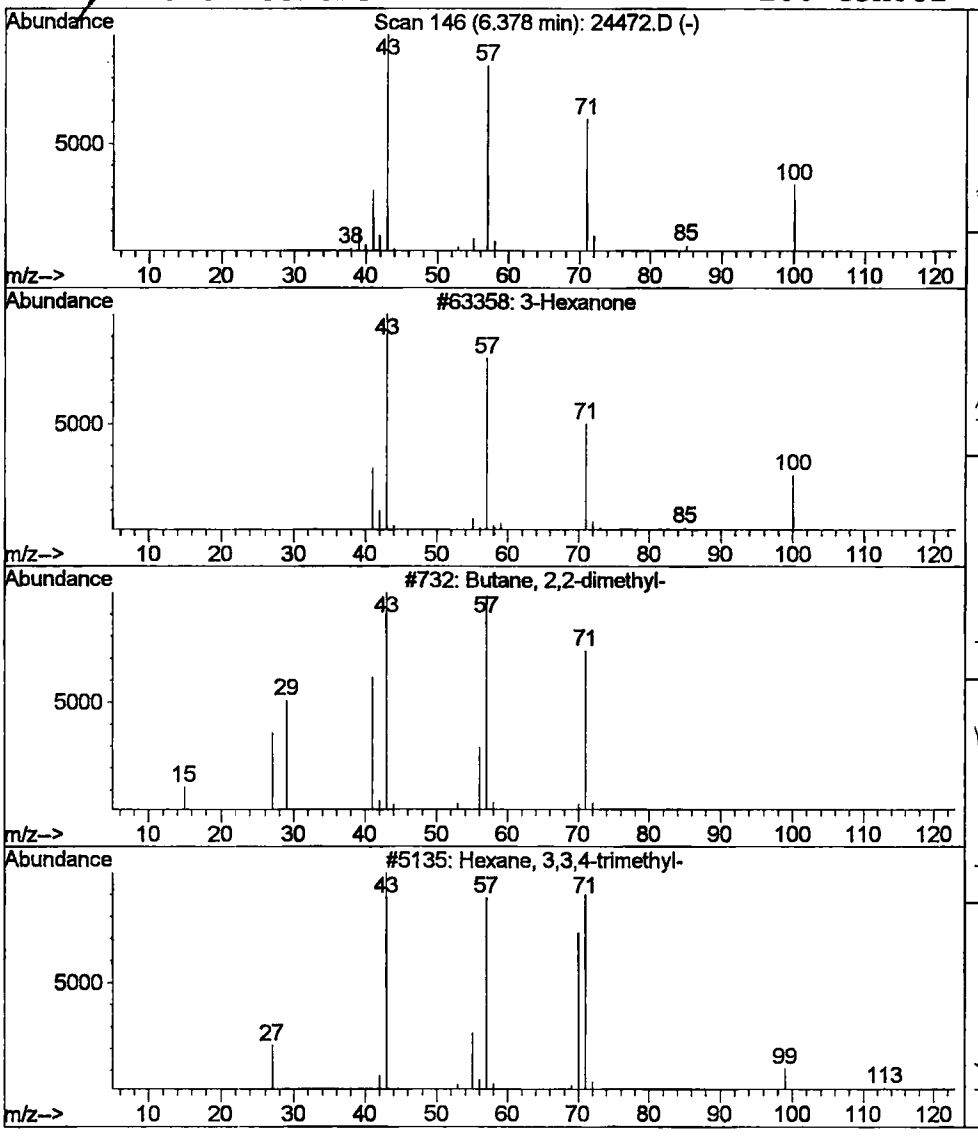
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

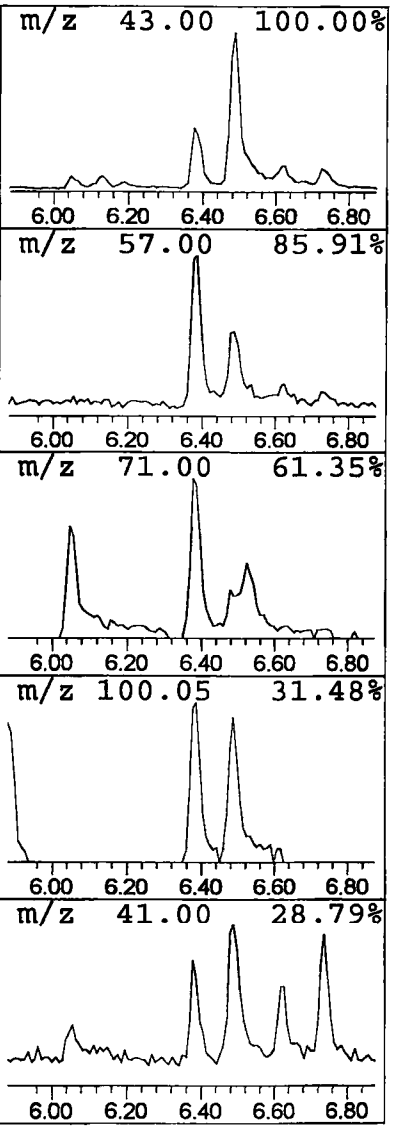
****

Peak Number 1 3-Hexanone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.38	0.52 ug/l	50873	1,4-Dichlorobenzene-d4	11.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone	100	C6H12O	000589-38-8	90
2	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	36
3	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	36
4	2,4-Pentanedione	100	C5H8O2	000123-54-6	35





Library Search Compound Report

Data File : M:\INSTRU~1\209\DATA\OCT1601\24472.D Vial: 17
Acq On : 17 Oct 2001 5:53 am Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

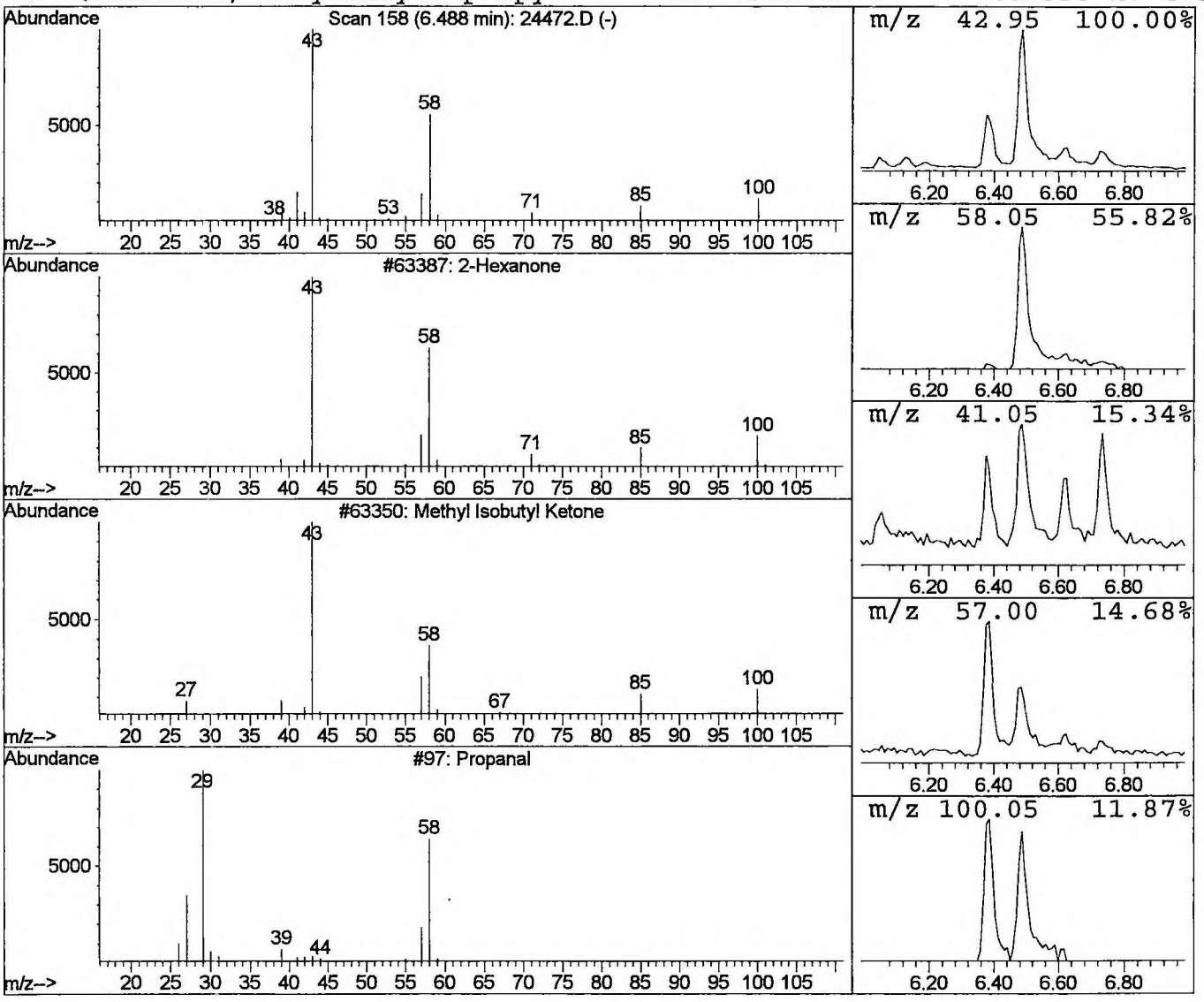
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Hexanone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	1.13 ug/l	109096	1,4-Dichlorobenzene-d4	11.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone	100	C6H12O	000591-78-6	91
2	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	58
3	Propanal	58	C3H6O	000123-38-6	43
4	2-Hexanone, 4-hydroxy-3-propyl-	158	C9H18O2	062338-17-4	39



Library Search Compound Report

Data File : M:\INSTRU~1\209\DATA\OCT1601\24472.D
Acq On : 17 Oct 2001 5:53 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 17
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

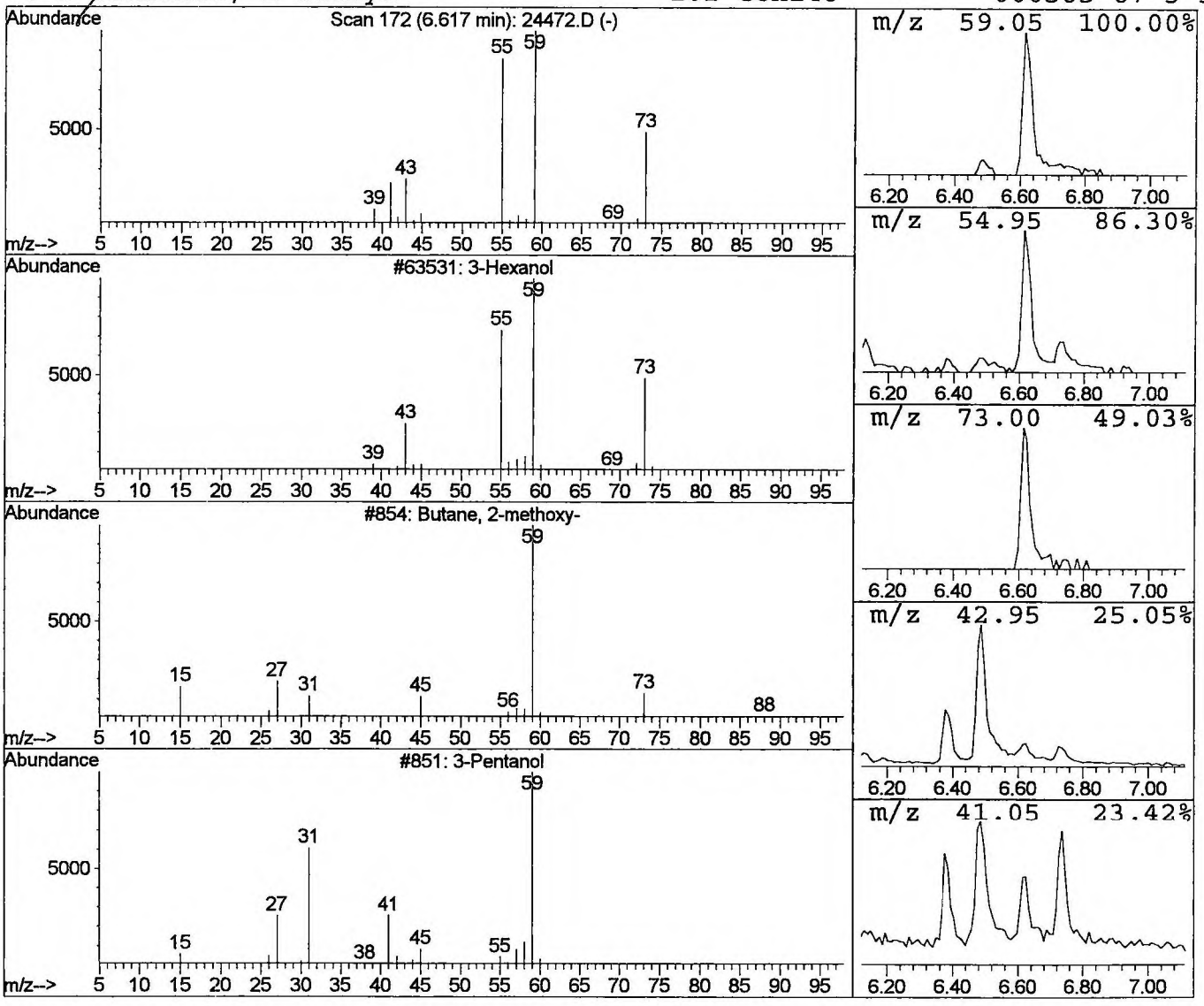
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 3-Hexanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	0.46 ug/l	44695	1,4-Dichlorobenzene-d4	11.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol	102	C6H14O	000623-37-0	78
2	Butane, 2-methoxy-	88	C5H12O	006795-87-5	38
3	3-Pentanol	88	C5H12O	000584-02-1	36
4	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	36



Library Search Compound Report

Data File : M:\INSTRU~1\209\DATA\OCT1601\24472.D
Acq On : 17 Oct 2001 5:53 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 17
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

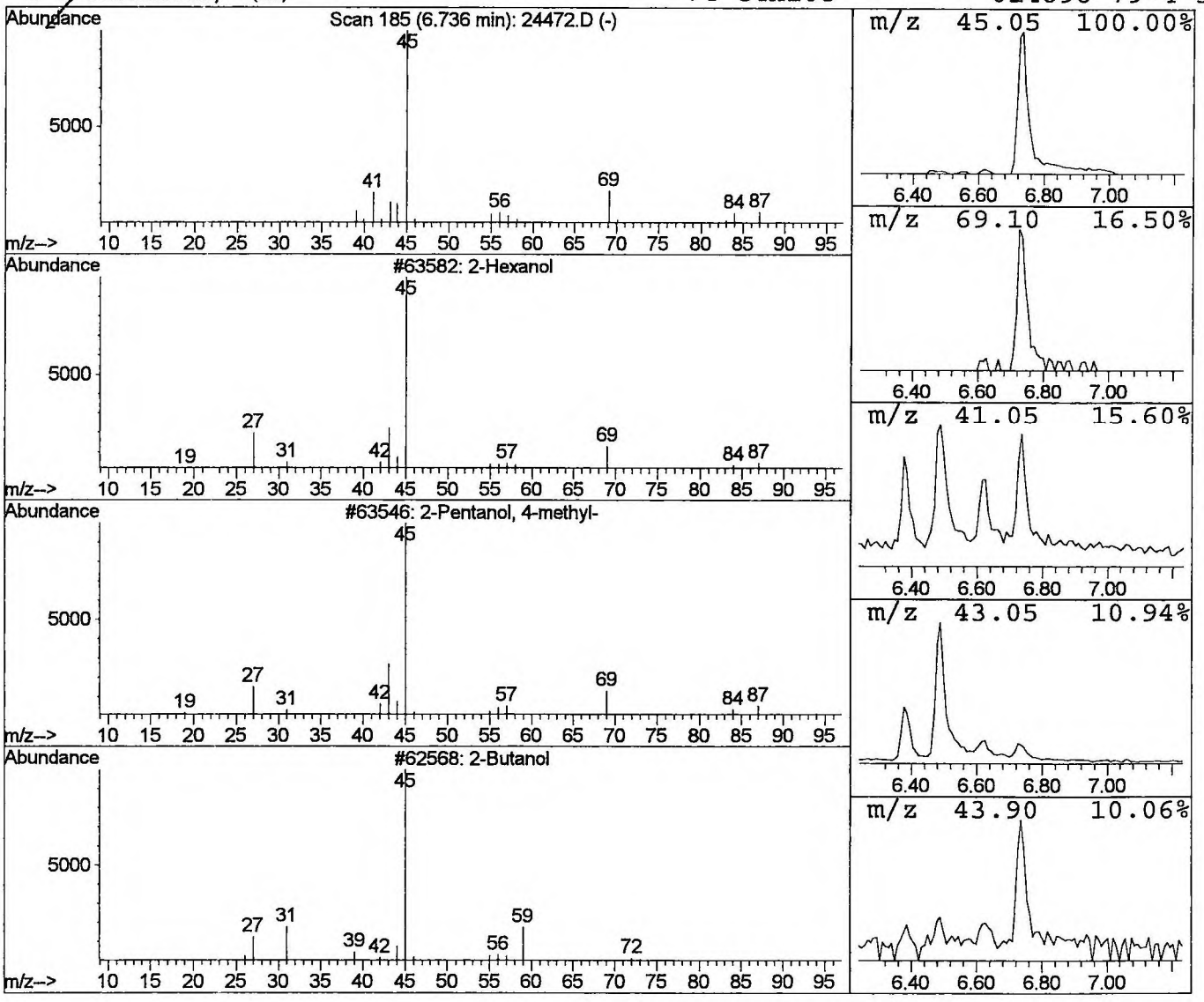
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 2-Hexanol — Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	0.61 ug/l	59000	1,4-Dichlorobenzene-d4	11.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	74
2	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	74
3	2-Butanol	74	C4H10O	000078-92-2	50
4	2-Butanol, (R)-	74	C4H10O	014898-79-4	38



Library Search Compound Report

Data File : M:\INSTRU~1\209\DATA\OCT1601\24472.D
Acq On : 17 Oct 2001 5:53 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 17
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

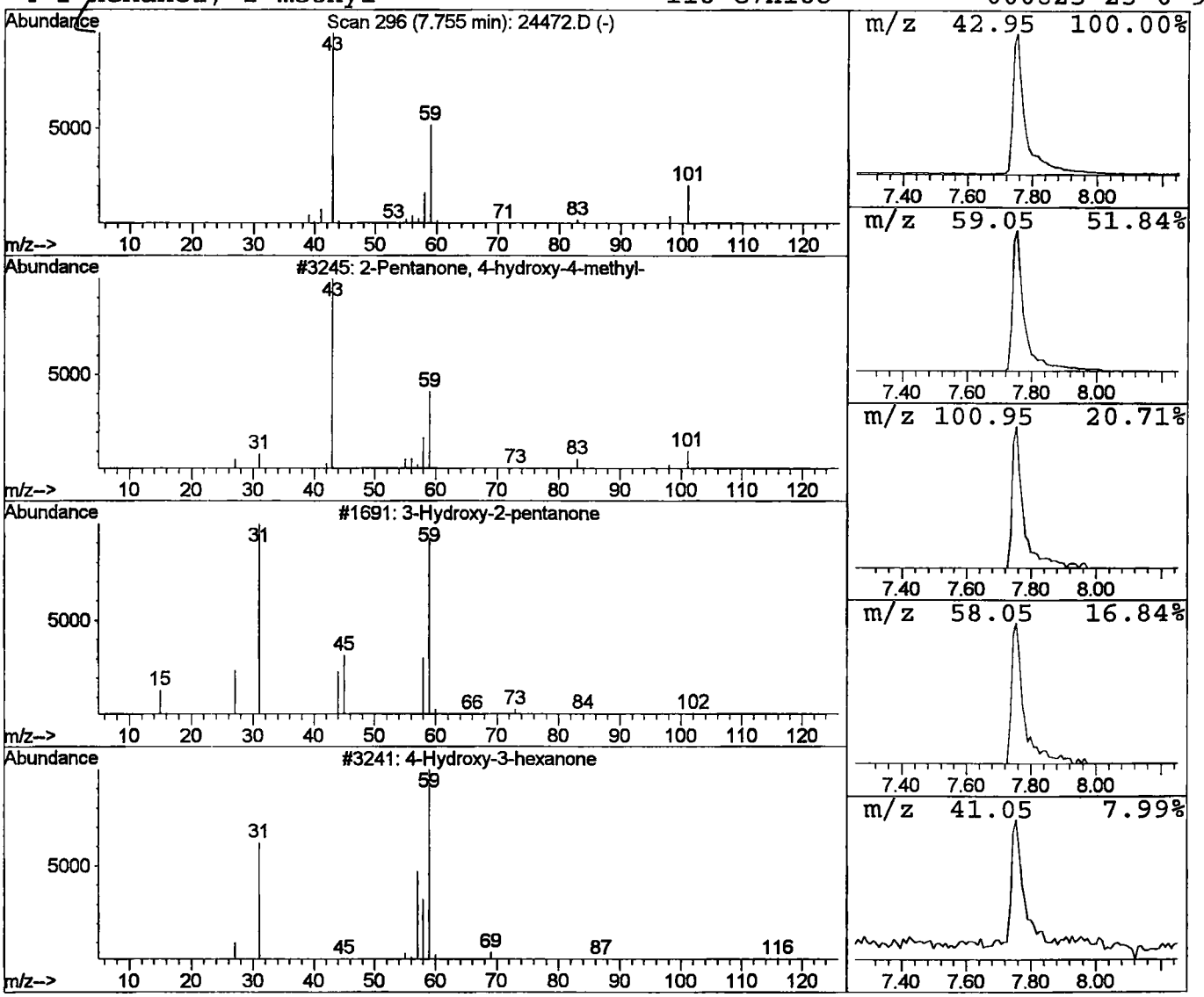
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	1.78 ug/l	172392	1,4-Dichlorobenzene-d4	11.77

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	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	9
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	9



Library Search Compound Report

Data File : M:\INSTRU~1\209\DATA\OCT1601\24472.D
Acq On : 17 Oct 2001 5:53 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 17
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

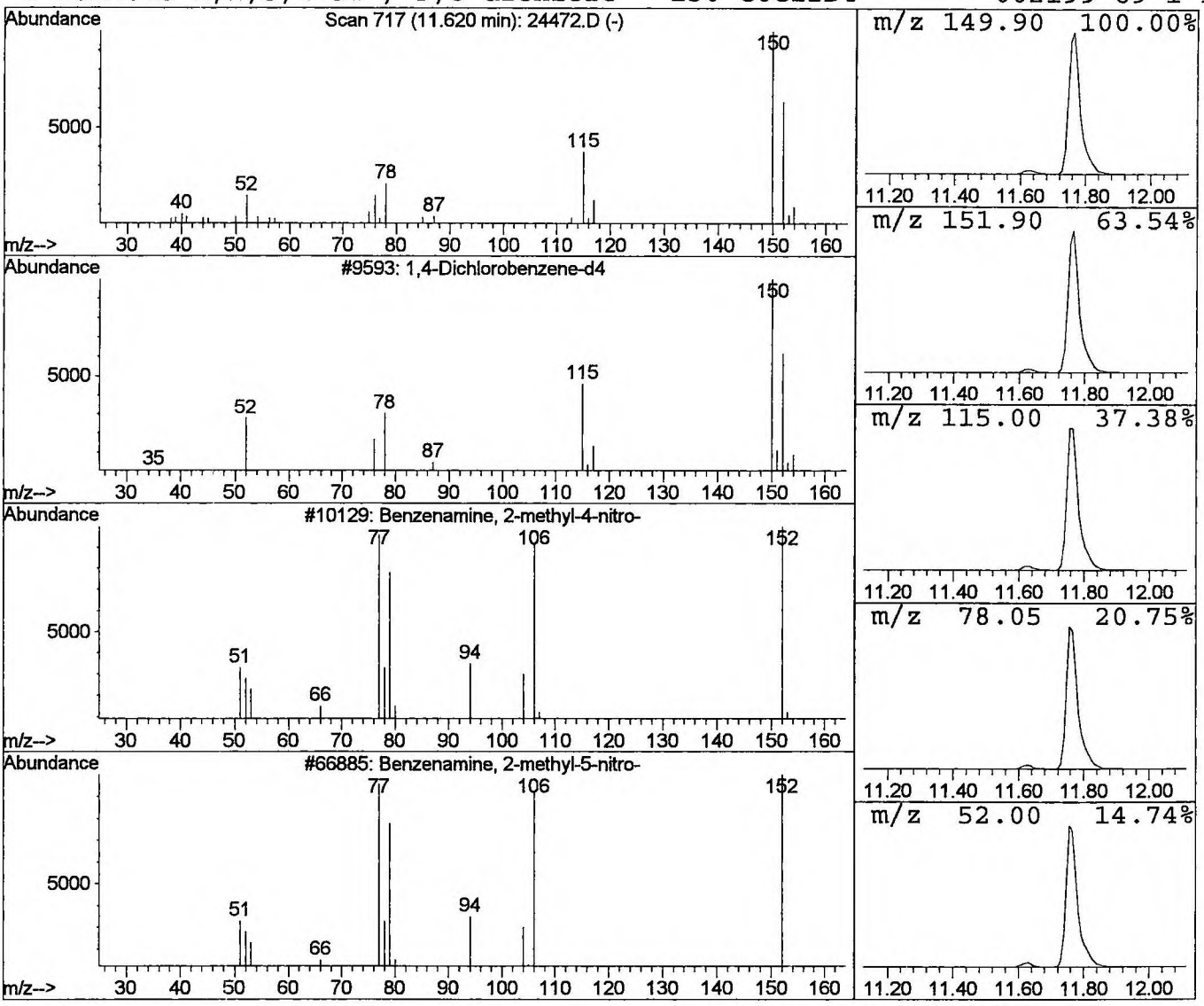
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 1,4-Dichlorobenzene-d4 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	0.52 ug/l	50477	1,4-Dichlorobenzene-d4	11.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dichlorobenzene-d4	150	C6Cl2D4	003855-82-1	53
2	Benzenamine, 2-methyl-4-nitro-	152	C7H8N2O2	000099-52-5	27
3	Benzenamine, 2-methyl-5-nitro-	152	C7H8N2O2	000099-55-8	22
4	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	17



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 17 Oct 2001 5:53 am
Data File: M:\INSTRU~1\209\DATA\OCT1601\24472.D
Name: gc/ms unknown
Misc:
Method: C:\HPCHEM\1\METHODS\NP091101.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	6.38	0.5	ug/l	50873	ISTD01	11.77	1938380	20.0
2-Hexanone	6.49	1.1	ug/l	109096	ISTD01	11.77	1938380	20.0
3-Hexanol	6.62	0.5	ug/l	44695	ISTD01	11.77	1938380	20.0
2-Hexanol	6.74	0.6	ug/l	59000	ISTD01	11.77	1938380	20.0
2-Pentanone, 4-hydro	7.75	1.8	ug/l	172392	ISTD01	11.77	1938380	20.0
1,4-Dichlorobenzene-	11.62	0.5	ug/l	50477	ISTD01	11.77	1938380	20.0

24472.D NP103001.M Fri Nov 09 11:44:53 2001