User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 09/27/2001 Time: 12:42:13

Sample: AD22550
Analysis: $GCMS GC/MS Scan For Unknowns
Started: 9/27/01 12:41 Ended: 9/27/01 12:41 Analyst: MG
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		see comment

Comments for Sample AD22550 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 10-04-2001 Time: 09:55:34

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 generally different than those present in the Laboratory Blank.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\SEP2601\22550.D Vial: 4
Acq On : 26 Sep 2001 1:12 pm Operator: GALOS
Sample : GC/MS unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 9:26 2001 Quant Results File: NP072501.RES

Quant Method : C:\HPCHEM\1\METHODS\NP072501.M (RTE Integrator)
Title : 208 625/TCLP calibration table 7/25/01 C1 IS 5
Last Update : Wed Jul 25 15:24:54 2001
Response via : Initial Calibration
DataAcq Meth : HP060501

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.00	152	478069	20.00	ng/uL	0.00
19) Naphthalene-d8	15.61	136	1872975	20.00	ng/uL	-0.02
31) Acenaphthene-d10	20.89	164	894587	20.00	ng/uL	0.00
49) Phenanthrene-d10	25.30	188	1273961	20.00	ng/uL	0.00
59) Chrysene-d12	33.31	240	785948	20.00	ng/uL	0.00
68) Perylene-d12	37.42	264	559342	20.00	ng/uL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ng/uL	
Spiked Amount 75.000	Range 18 - 42		Recovery = 0.00%#			
5) Phenol-d5	0.00	99	0	0.00	ng/uL	
Spiked Amount 75.000	Range 19 - 32		Recovery = 0.00%#			
6) 2-Chlorophenol-d4	0.00	132	0	0.00	ng/uL	
Spiked Amount 75.000	Range 34 - 84		Recovery = 0.00%#			
7) 1,2-Dichlorobenzene-d4	0.00	152	0	0.00	ng/uL	
Spiked Amount 50.000	Range 26 - 73		Recovery = 0.00%#			
20) Nitrobenzene-d5	0.00	82	0	0.00	ng/uL	
Spiked Amount 50.000	Range 55 - 98		Recovery = 0.00%#			
32) 2-Fluorobiphenyl	19.04	172	1139	0.02	ng/uL	0.14
Spiked Amount 50.000	Range 42 - 78		Recovery = 0.04%#			
33) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng/uL	
Spiked Amount 75.000	Range 45 - 96		Recovery = 0.00%#			
62) Terphenyl-d14	0.00	244	0	0.00	ng/uL	
Spiked Amount 50.000	Range 58 - 98		Recovery = 0.00%#			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitrosodimethylamine	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-Nitrosodi-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\SEP2601\22550.D Vial: 4
Acq On : 26 Sep 2001 1:12 pm Operator: GALOS
Sample : GC/MS unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 9:26 2001 Quant Results File: NP072501.RES

Quant Method : C:\HPCHEM\1\METHODS\NP072501.M (RTE Integrator)
Title : 208 625/TCLP calibration table 7/25/01 C1 IS 5
Last Update : Wed Jul 25 15:24:54 2001
Response via : Initial Calibration
DataAcq Meth : HP060501

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.	d
44) 2,4-Dinitrotoluene	0.00	165	0	N.D.	
45) Diethylphthalate	0.00	149	0	N.D.	
46) 4-Chlorophenylphenylether	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	169	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.	
56) Anthracene	0.00	178	0	N.D.	
57) Di-n-butylphthalate	27.28	149	382	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	33.31	228	1195	N.D.	
66) Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
67) Chrysene	33.31	228	1195	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\SEP2601\22550.D Vial: 4
Acq On : 26 Sep 2001 1:12 pm Operator: GALOS
Sample : GC/MS unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 9:26 2001 Quant Results File: NP072501.RES

Quant Method : C:\HPCHEM\1\METHODS\NP072501.M (RTE Integrator)
Title : 208 625/TCLP calibration table 7/25/01 C1 IS 5
Last Update : Wed Jul 25 15:24:54 2001
Response via : Initial Calibration
DataAcq Meth : HP060501

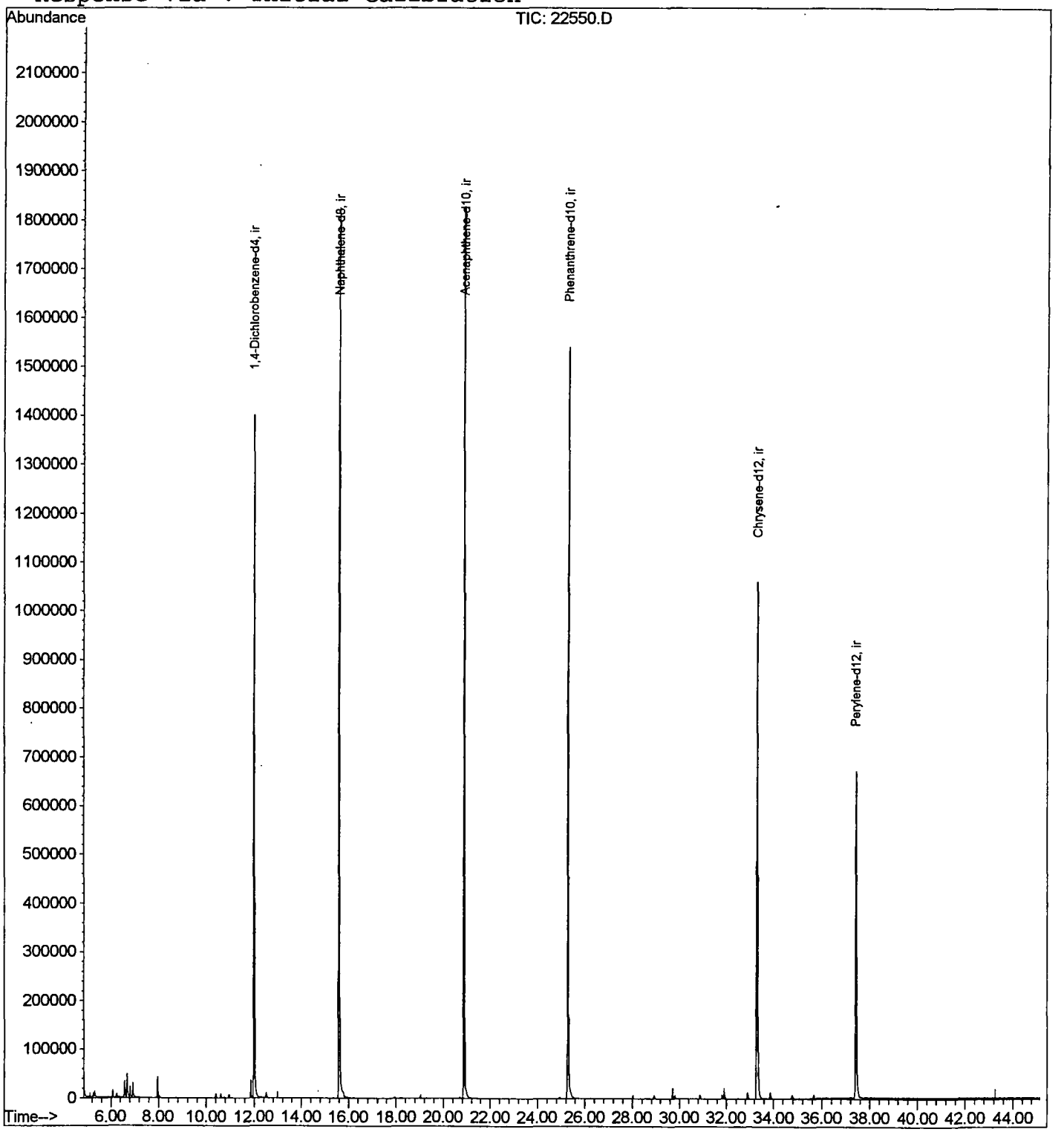
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
72)	Benzo(a)pyrene	37.42	252	1011	N.D.	
73)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
74)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
75)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\SEP2601\22550.D Vial: 4
Acq On : 26 Sep 2001 1:12 pm Operator: GALOS
Sample : GC/MS unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 27 9:26 2001 Quant Results File: NP072501.RES

Method : C:\HPCHEM\1\METHODS\NP072501.M (RTE Integrator)
Title : 208 625/TCLP calibration table 7/25/01 C1 IS 5
Last Update : Wed Jul 25 15:24:54 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\SEP2601\22550.D Vial: 4
Acq On : 26 Sep 2001 1:12 pm Operator: GALOS
Sample : GC/MS unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NP072501.M (RTE Integrator)
Title : 208 625/TCLP calibration table 7/25/01 C1 IS 5
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

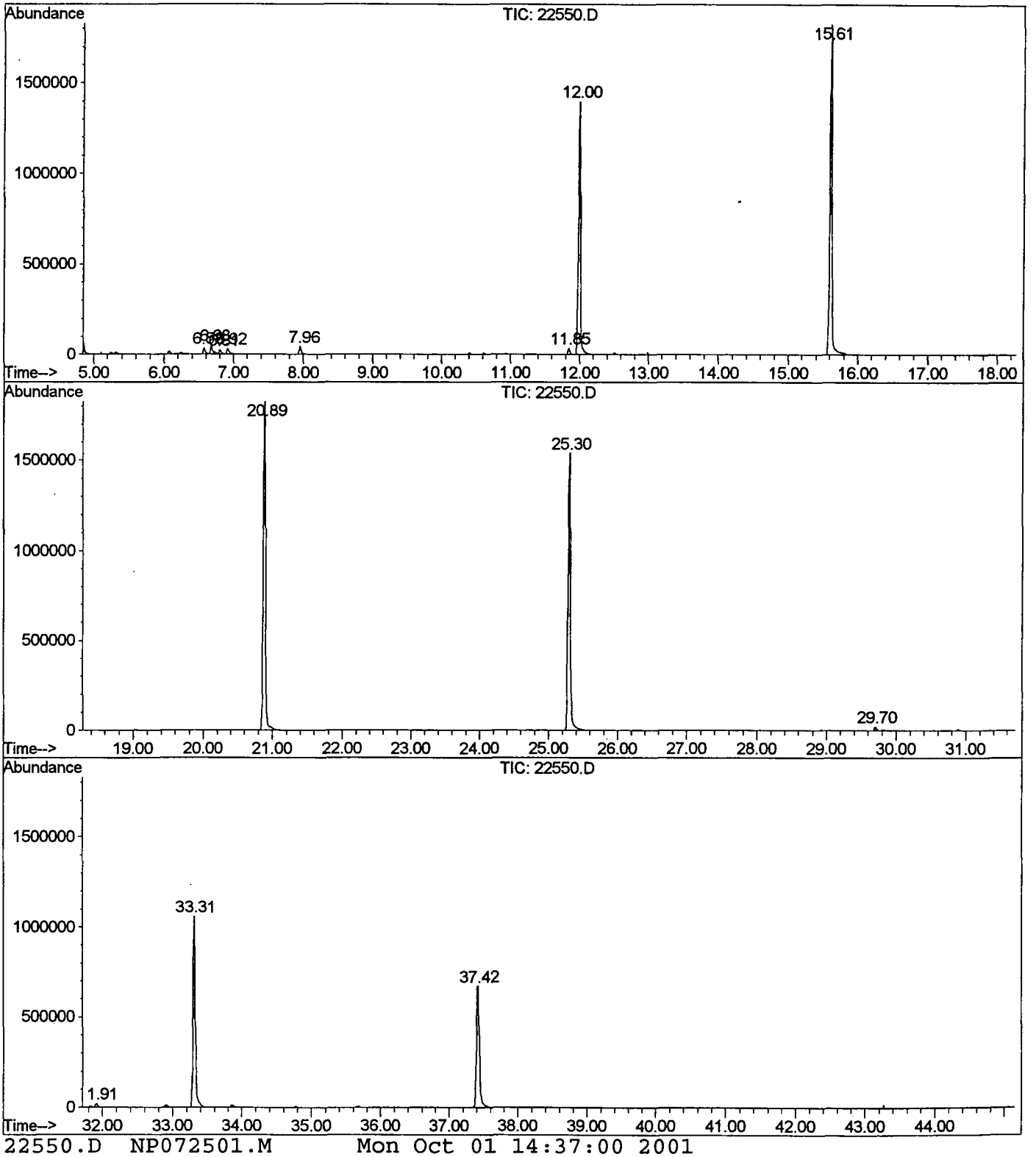
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	6.576	186	190	198	rBV	34020	69939	1.75%	0.360%
2	6.677	198	201	205	rBV	47381	94157	2.36%	0.484%
3	6.805	212	215	223	rVB	22732	47053	1.18%	0.242%
4	6.916	223	227	240	rVB	30902	73509	1.84%	0.378%
5	7.961	337	341	353	rBV	43795	99130	2.49%	0.510%
6	11.849	761	765	770	rBB	36394	64339	1.61%	0.331%
7	11.996	775	781	805	rBV	1398631	3015793	75.67%	15.515%
8	15.609	1169	1175	1205	rBV	1824726	3924243	98.46%	20.189%
9	20.891	1744	1751	1771	rBV	1826563	3985529	100.00%	20.504%
10	25.302	2225	2232	2254	rBV2	1538626	3520559	88.33%	18.112%
11	29.703	2708	2712	2717	rBV	21365	45945	1.15%	0.236%
12	31.913	2949	2953	2962	rVB	21700	49986	1.25%	0.257%
13	33.307	3099	3105	3123	rBV2	1057620	2496472	62.64%	12.844%
14	37.415	3546	3553	3569	rBV2	666520	1950829	48.95%	10.036%

Sum of corrected areas: 19437483

22550.D NP072501.M Mon Oct 01 14:36:59 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\SEP2601\22550.D
Operator : GALOS
Acquired : 26 Sep 2001 1:12 pm using AcqMethod HP060501
Instrument : GC/MS Ins
Sample Name: GC/MS unknown
Misc Info :
Vial Number: 4
Quant File :NP072501.RES (RTE Integrator)



22550.D NP072501.M Mon Oct 01 14:37:00 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2601\22550.D
Acq On : 26 Sep 2001 1:12 pm
Sample : GC/MS unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

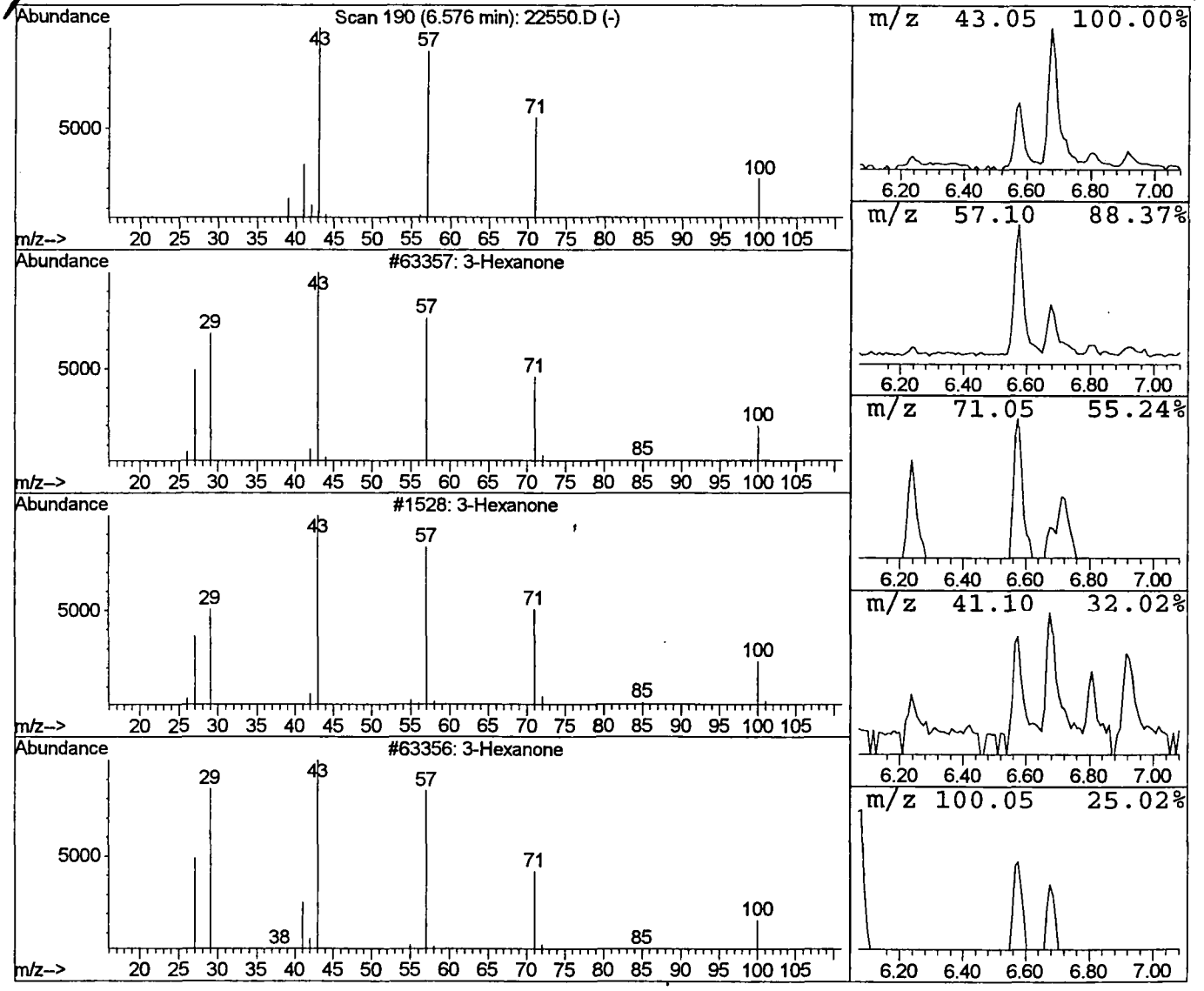
Quant Method : C:\HPCHEM\1\METHODS\NP072501.M (RTE Integrator)
Title : 208 625/TCLP calibration table 7/25/01 C1 IS 5
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 3-Hexanone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	0.46 ng/uL	69939	1,4-Dichlorobenzene-d4	12.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone	100	C6H12O	000589-38-8	90
2	3-Hexanone	100	C6H12O	000589-38-8	90
3	3-Hexanone	100	C6H12O	000589-38-8	90
4	3-Hexanone	100	C6H12O	000589-38-8	90



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2601\22550.D
Acq On : 26 Sep 2001 1:12 pm
Sample : GC/MS unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

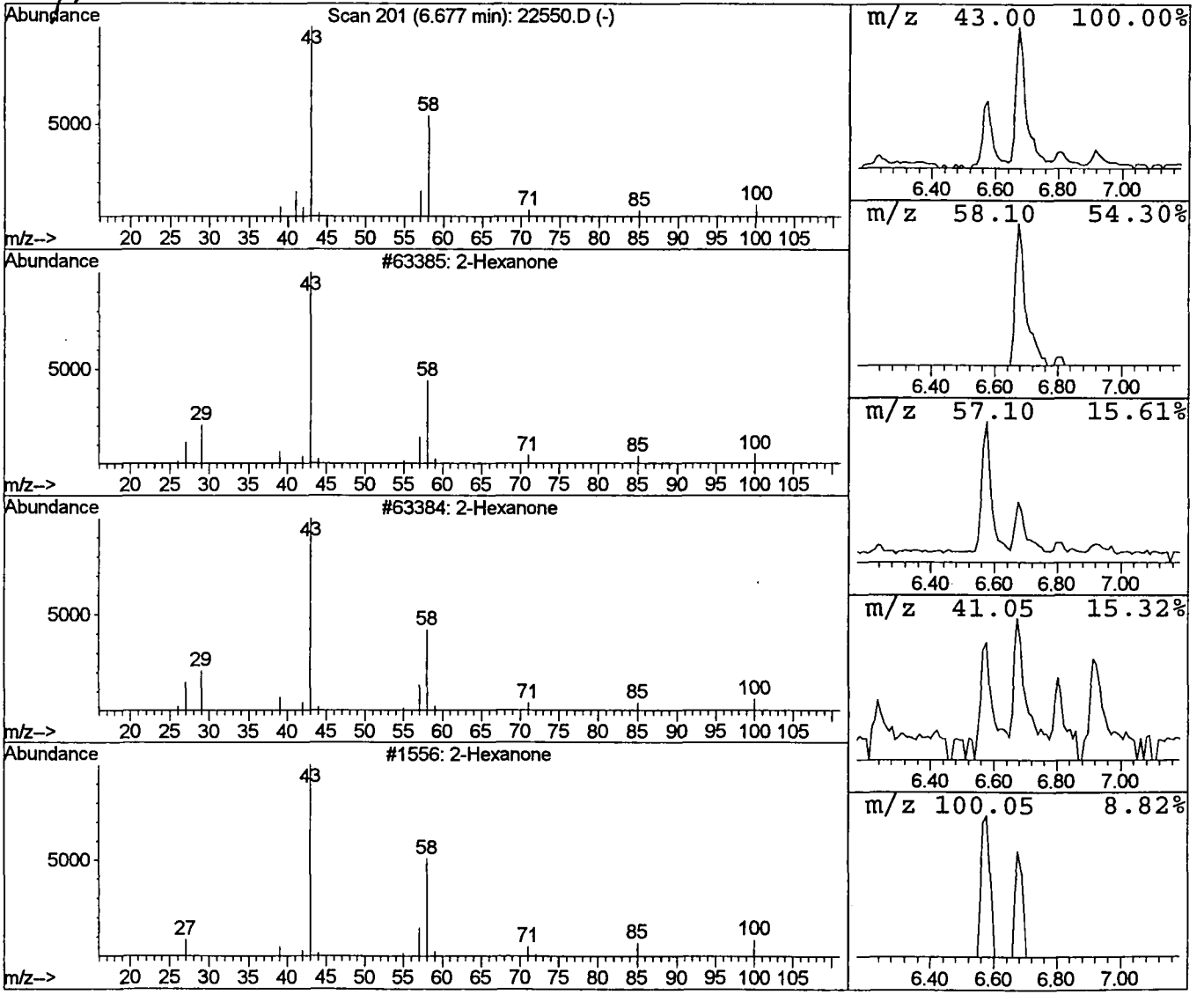
Quant Method : C:\HPCHEM\1\METHODS\NP072501.M (RTE Integrator)
Title : 208 625/TCLP calibration table 7/25/01 C1 IS 5
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Hexanone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	0.62 ng/uL	94157	1,4-Dichlorobenzene-d4	12.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone	100	C6H12O	000591-78-6	91
2	2-Hexanone	100	C6H12O	000591-78-6	91
3	2-Hexanone	100	C6H12O	000591-78-6	90
4	2-Hexanone	100	C6H12O	000591-78-6	90



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2601\22550.D
Acq On : 26 Sep 2001 1:12 pm
Sample : GC/MS unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

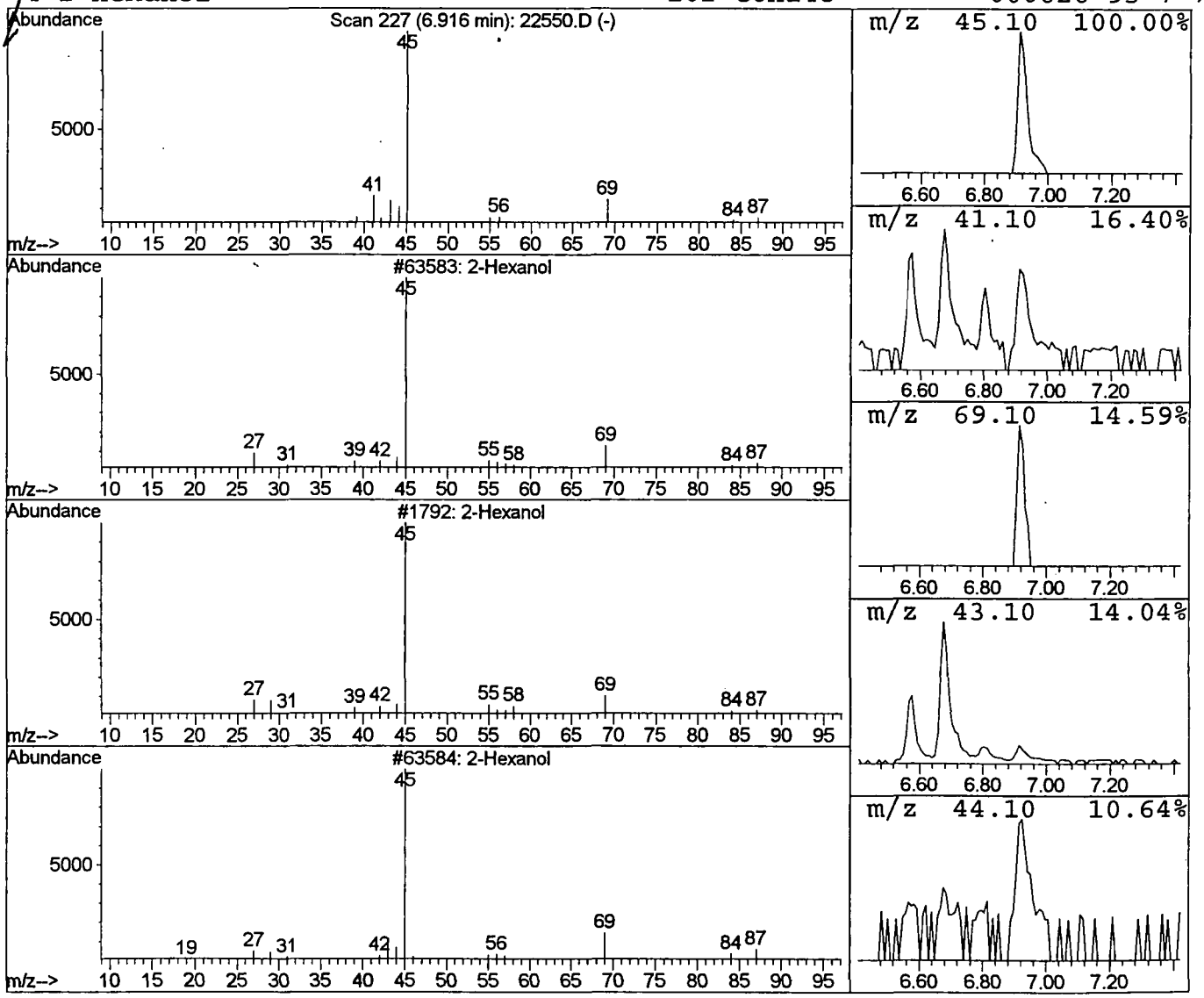
Quant Method : C:\HPCHEM\1\METHODS\NP072501.M (RTE Integrator)
Title : 208 625/TCLP calibration table 7/25/01 C1 IS 5
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 2-Hexanol — Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	0.49 ng/uL	73509	1,4-Dichlorobenzene-d4	12.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	83
2	2-Hexanol	102	C6H14O	000626-93-7	83
3	2-Hexanol	102	C6H14O	000626-93-7	74
4	2-Hexanol	102	C6H14O	000626-93-7	74



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2601\22550.D
Acq On : 26 Sep 2001 1:12 pm
Sample : GC/MS unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

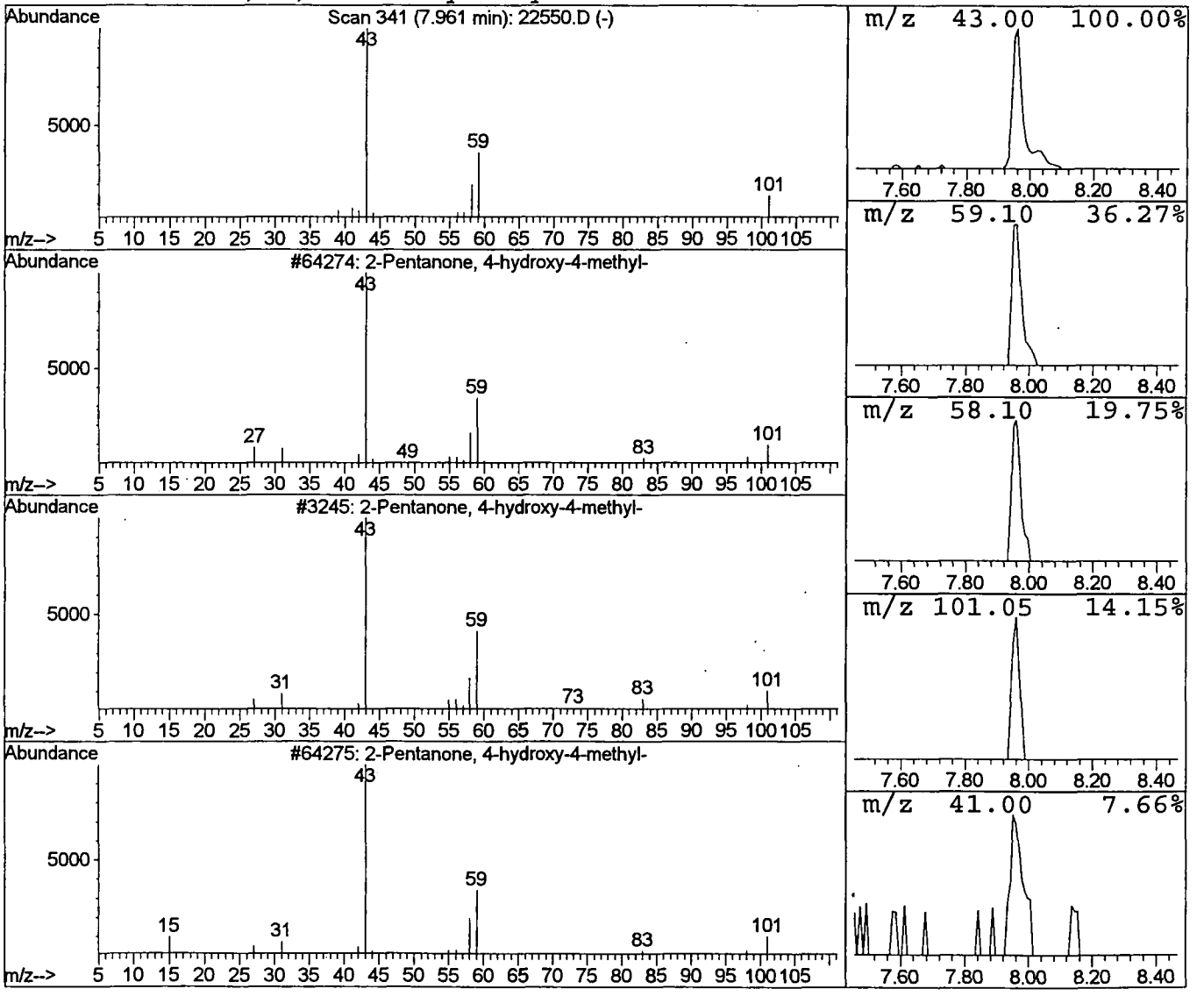
Quant Method : C:\HPCHEM\1\METHODS\NP072501.M (RTE Integrator)
Title : 208 625/TCLP calibration table 7/25/01 C1 IS 5
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	0.66 ng/uL	99130	1,4-Dichlorobenzene-d4	12.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	83
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	78
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	74
4	Acetic acid, 1,1-dimethylethyl este	116	C6H12O2	000540-88-5	33



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2601\22550.D
Acq On : 26 Sep 2001 1:12 pm
Sample : GC/MS unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

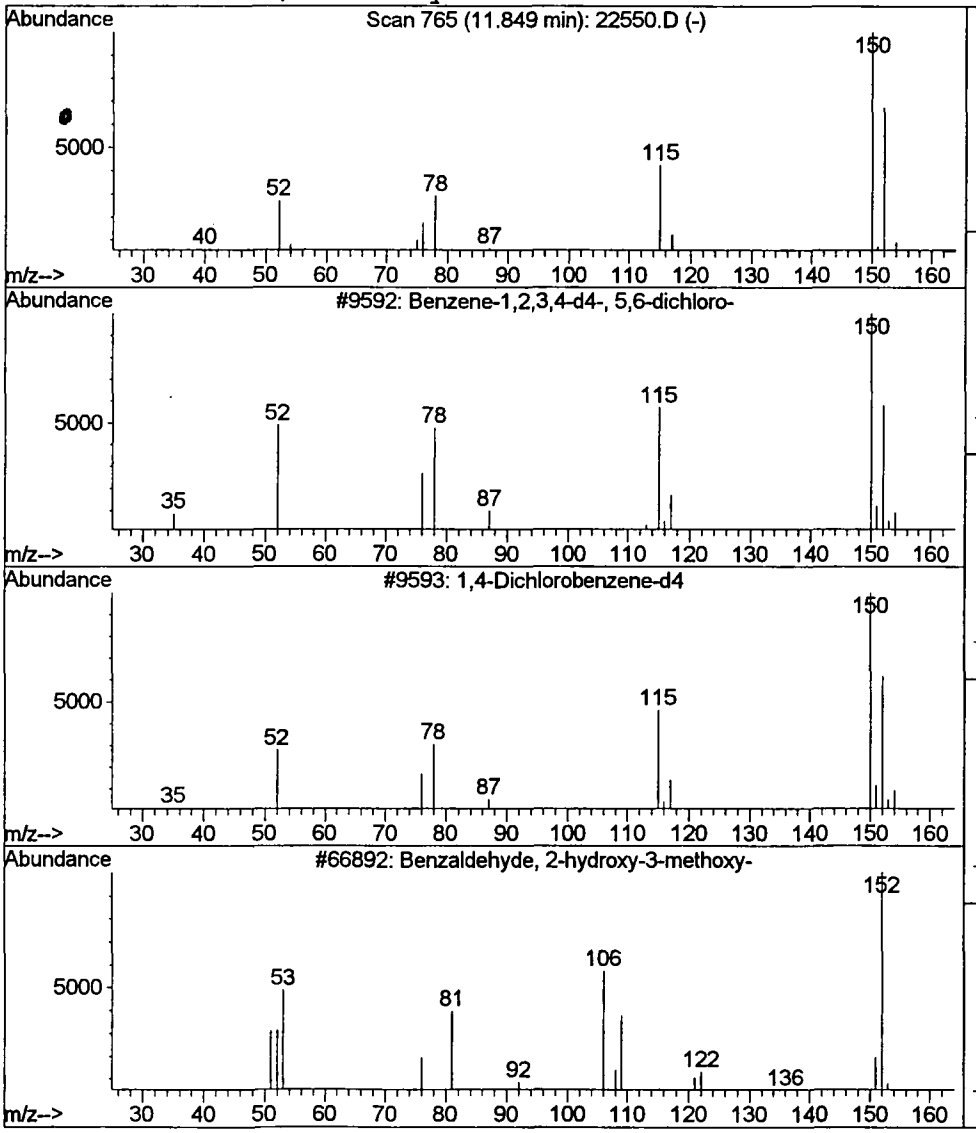
Quant Method : C:\HPCHEM\1\METHODS\NP072501.M (RTE Integrator)
Title : 208 625/TCLP calibration table 7/25/01 C1 IS 5
Library : C:\DATABASE\NBS75K.L

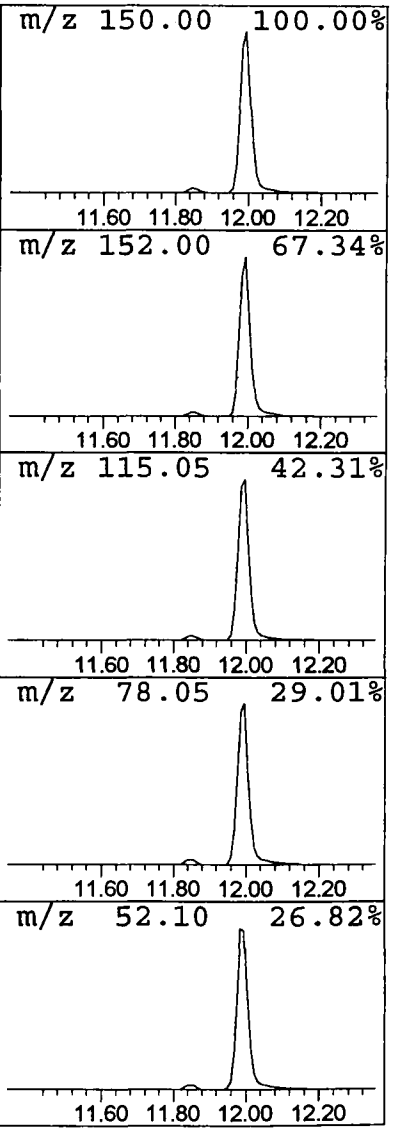
****

Peak Number 5 Benzene-1,2,3,4-d4-, 5,6-dichl Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	0.43 ng/uL	64339	1,4-Dichlorobenzene-d4	12.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	64
2	1,4-Dichlorobenzene-d4	150	C6Cl2D4	003855-82-1	50
3	Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	9
4	Benzenamine, 2-methyl-5-nitro-	152	C7H8N2O2	000099-55-8	9





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2601\22550.D
Acq On : 26 Sep 2001 1:12 pm
Sample : GC/MS unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

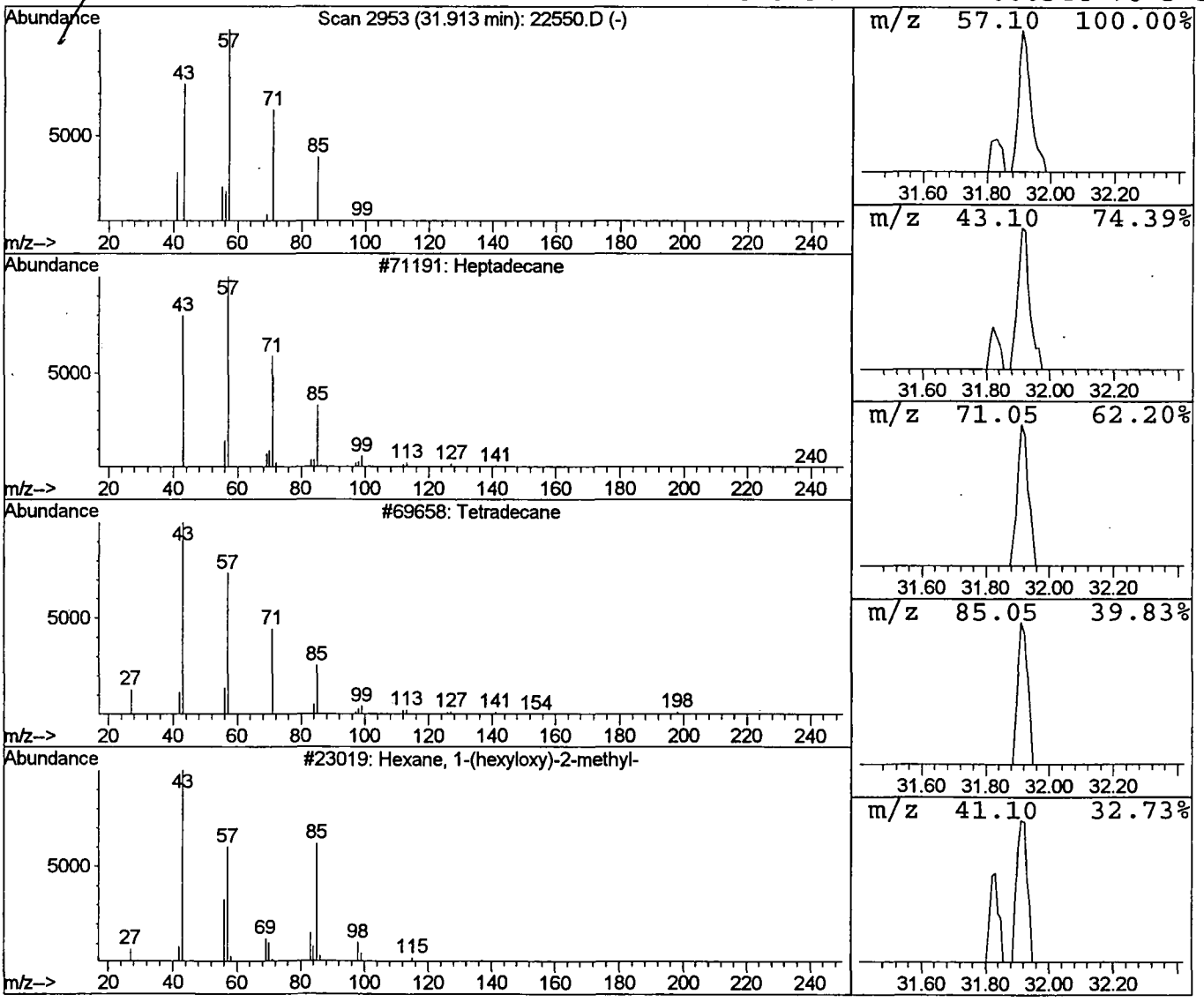
Quant Method : C:\HPCHEM\1\METHODS\NP072501.M (RTE Integrator)
Title : 208 625/TCLP calibration table 7/25/01 C1 IS 5
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 Heptadecane — Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.91	0.40 ng/uL	49986	Chrysene-d12	33.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	78
2	Tetradecane	198	C14H30	000629-59-4	40
3	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	40
4	Hexadecane	226	C16H34	000544-76-3	39



Tentatively Identified Compound (LSC) summary

Operator ID: GALOS Date Acquired: 26 Sep 2001 1:12 pm
Data File: C:\HPCHEM\1\DATA\SEP2601\22550.D
Name: GC/MS unknown
Misc:
Method: C:\HPCHEM\1\METHODS\NP072501.M (RTE Integrator)
Title: 208 625/TCLP calibration table 7/25/01 C1 IS 5
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
3-Hexanone	6.58	0.5	ng/uL	69939	ISTD01	12.00	3015790	20.0
2-Hexanone	6.68	0.6	ng/uL	94157	ISTD01	12.00	3015790	20.0
2-Hexanol	6.92	0.5	ng/uL	73509	ISTD01	12.00	3015790	20.0
2-Pentanone, 4-hydro	7.96	0.7	ng/uL	99130	ISTD01	12.00	3015790	20.0
Benzene-1,2,3,4-d4,	11.85	0.4	ng/uL	64339	ISTD01	12.00	3015790	20.0
Heptadecane	31.91	0.4	ng/uL	49986	ISTD05	33.31	2496470	20.0

22550.D NP072501.M Mon Oct 01 14:37:06 2001