User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 12/04/2001 Time: 15:17:09

Sample: AD26393
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/4/01 15:16 Ended: 12/4/01 15:16 Analyst: MG
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		see comment

Comments for Sample AD26393 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Galos, Marie
Date: 12-04-2001 Time: 15:17:21

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\NOV3001\26393.D Vial: 3
Acq On : 30 Nov 2001 2:02 pm Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 3 14:53 2001 Quant Results File: NP112701.RES

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Last Update : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration
DataAcq Meth : NP112701

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.89	152	1435108	20.00	ng/uL	-0.05
19) Naphthalene-d8	15.50	136	5532609	20.00	ng/uL	-0.05
31) Acenaphthene-d10	20.78	164	2486167	20.00	ng/uL	-0.04
49) Phenanthrene-d10	25.19	188	3514871	20.00	ng/uL	-0.05
59) Chrysene-d12	33.19	240	2145882	20.00	ng/uL	-0.06
68) Perylene-d12	37.28	264	1500407	20.00	ng/uL	-0.06
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	11.18	99	276	0.00	ng/uL	0.05
Spiked Amount 75.000	Range 19 - 32		Recovery =	0.00%#		
6) 2-Chlorophenol-d4	11.90	132	1330	0.01	ng/uL	0.47
Spiked Amount 75.000	Range 34 - 84		Recovery =	0.01%#		
7) 1,2-Dichlorobenzene-d4	12.41	152	13946	0.23	ng/uL	-0.05
Spiked Amount 50.000	Range 26 - 73		Recovery =	0.46%#		
20) Nitrobenzene-d5	0.00	82	0	0.00	ng/uL	
Spiked Amount 50.000	Range 55 - 98		Recovery =	0.00%#		
32) 2-Fluorobiphenyl	18.93	172	5308	0.03	ng/uL	0.10
Spiked Amount 50.000	Range 42 - 78		Recovery =	0.06%#		
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	12.89	45	1185	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)

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Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Last Update : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration
DataAcq Meth : NP112701

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	15.55	128	317	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-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	25.19	178	380	N.D.	
56) Anthracene	25.19	178	380	N.D.	
57) Di-n-butylphthalate	27.17	149	4376	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	33.19	228	4578	N.D.	
66) Bis(2-ethylhexyl)phthalate	33.45	149	6956	N.D.	
67) Chrysene	33.19	228	4578	N.D.	
69) Di-n-Octylphthalate	0.00	149	0	N.D.	
70) Benzo(b)fluoranthene	0.00	252	0	N.D.	

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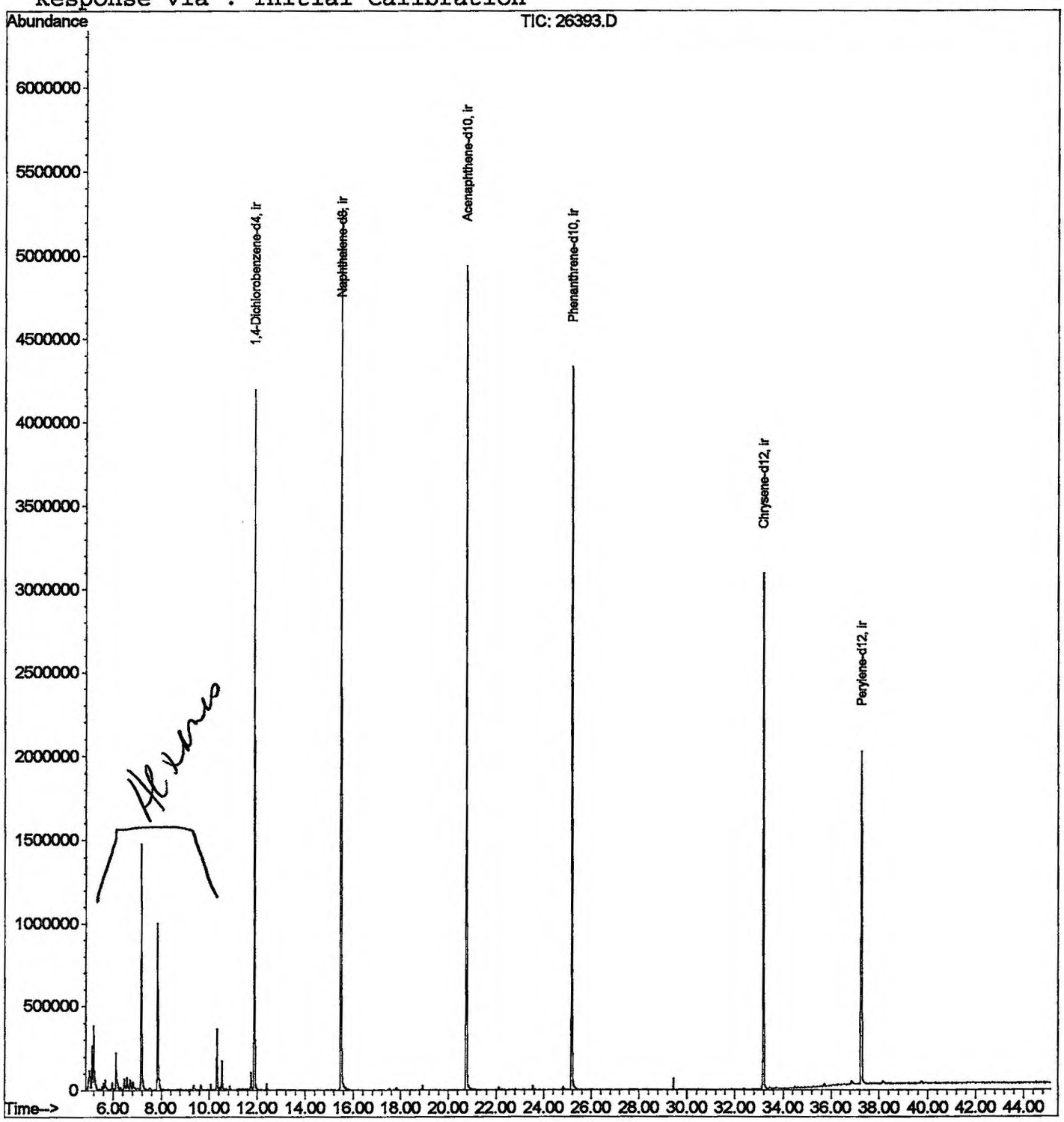


LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\NOV3001\26393.D Vial: 3
Acq On : 30 Nov 2001 2:02 pm Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/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

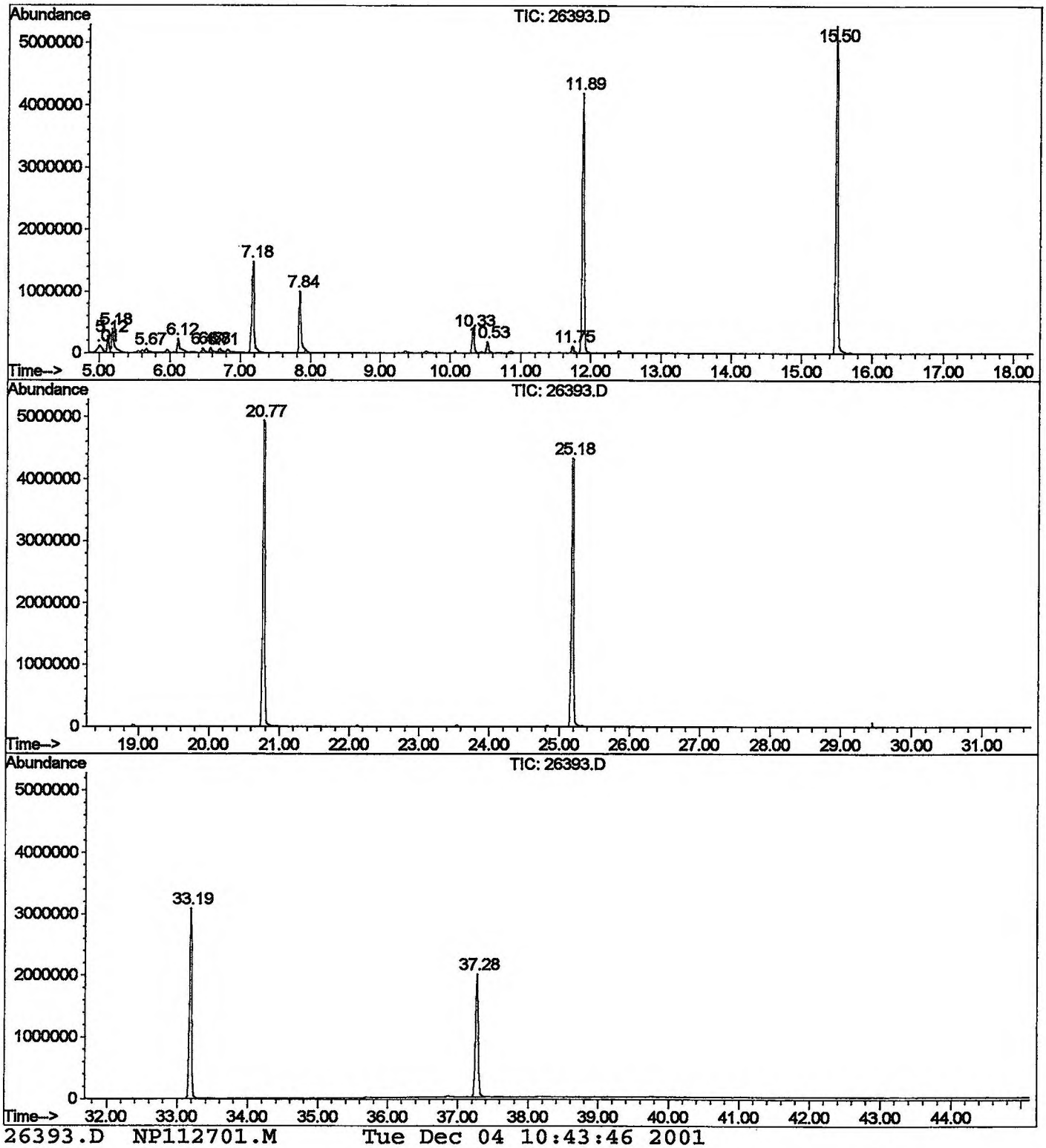
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	5.009	9	18	27	rBV2	112680	446699	4.02%	0.722%
2	5.119	27	30	34	rVV	258402	461842	4.16%	0.746%
3	5.183	34	37	54	rVB	378263	955844	8.61%	1.545%
4	5.669	86	90	104	rVB	60084	162962	1.47%	0.263%
5	6.118	135	139	154	rBV	221095	560784	5.05%	0.906%
6	6.467	173	177	186	rBV	66940	156476	1.41%	0.253%
7	6.577	186	189	193	rBV	66172	113419	1.02%	0.183%
8	6.705	200	203	212	rBV2	57771	149664	1.35%	0.242%
9	7.182	248	255	268	rBV	1472567	3177827	28.63%	5.135%
10	7.842	324	327	335	rBV	999231	2103690	18.95%	3.400%
11	10.327	592	598	607	rBV	363899	802808	7.23%	1.297%
12	10.529	616	620	630	rBV	175243	362022	3.26%	0.585%
13	11.749	748	753	761	rBV	109129	232174	2.09%	0.375%
14	11.886	763	768	779	rVB	4189538	8654066	77.97%	13.985%
15	15.499	1156	1162	1179	rBV	5279297	11099516	100.00%	17.937%
16	20.772	1731	1737	1755	rBV	4938525	10636492	95.83%	17.188%
17	25.183	2211	2218	2231	rBV2	4331454	9513833	85.71%	15.374%
18	33.188	3084	3091	3107	rBV2	3088554	6864128	61.84%	11.092%
19	37.278	3529	3537	3549	rBV2	1991319	5427583	48.90%	8.771%

Sum of corrected areas: 61881829

26393.D NP112701.M Tue Dec 04 10:43:43 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV3001\26393.D
Operator : GALOS
Acquired : 30 Nov 2001 2:02 pm using AcqMethod NP112701
Instrument : GC/MS Ins
Sample Name: gc/ms unknown 11/3
Misc Info :
Vial Number: 3
Quant File :NP112701.RES (RTE Integrator)



26393.D NP112701.M Tue Dec 04 10:43:46 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV3001\26393.D Vial: 3
Acq On : 30 Nov 2001 2:02 pm Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

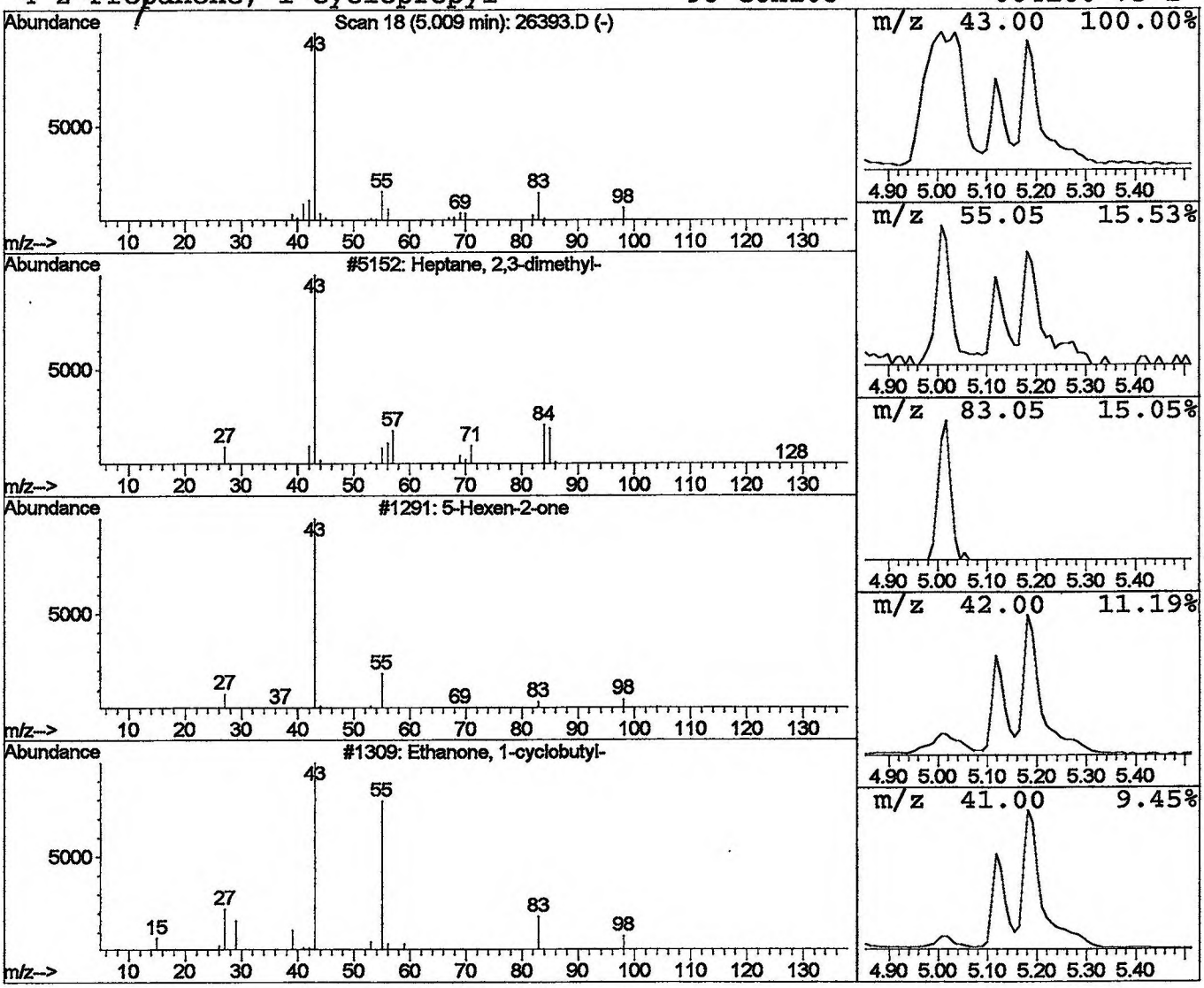
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Heptane, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	1.03 ng/uL	446699	1,4-Dichlorobenzene-d4	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	33
2	5-Hexen-2-one	98	C6H10O	000109-49-9	9
3	Ethanone, 1-cyclobutyl-	98	C6H10O	003019-25-8	7
4	2-Propanone, 1-cyclopropyl-	98	C6H10O	004160-75-2	7



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV3001\26393.D
Acq On : 30 Nov 2001 2:02 pm
Sample : gc/ms unknown 11/3
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
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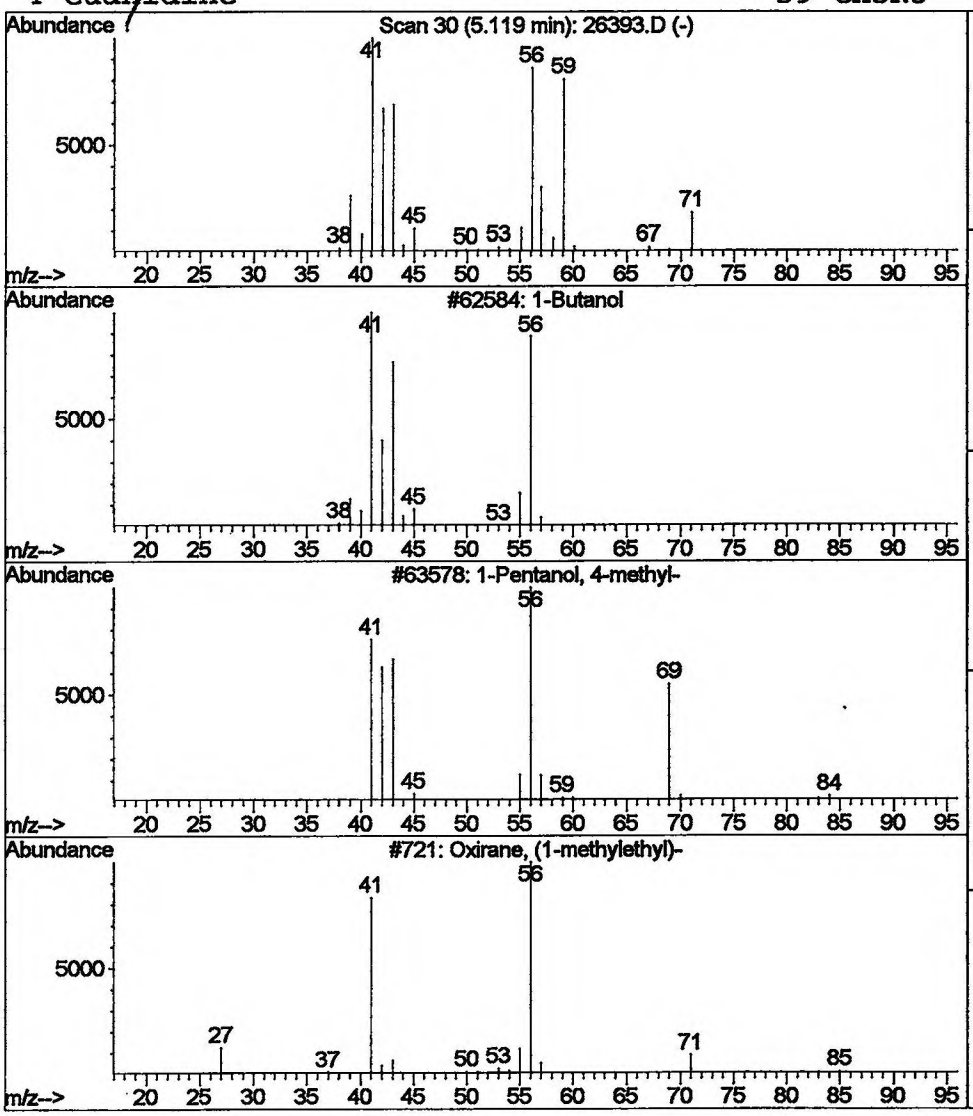
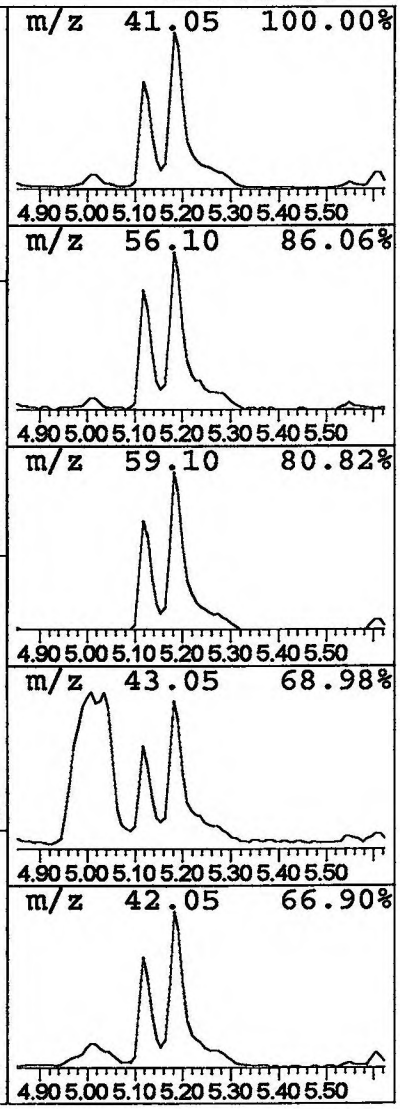
****

Peak Number 2 1-Butanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	1.07 ng/uL	461842	1,4-Dichlorobenzene-d4	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol	74	C4H10O	000071-36-3	38
2	1-Pentanol, 4-methyl-	102	C6H14O	000626-89-1	25
3	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	12
4	Guanidine	59	CH5N3	000113-00-8	9





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Acq On : 30 Nov 2001 2:02 pm
Sample : gc/ms unknown 11/3
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
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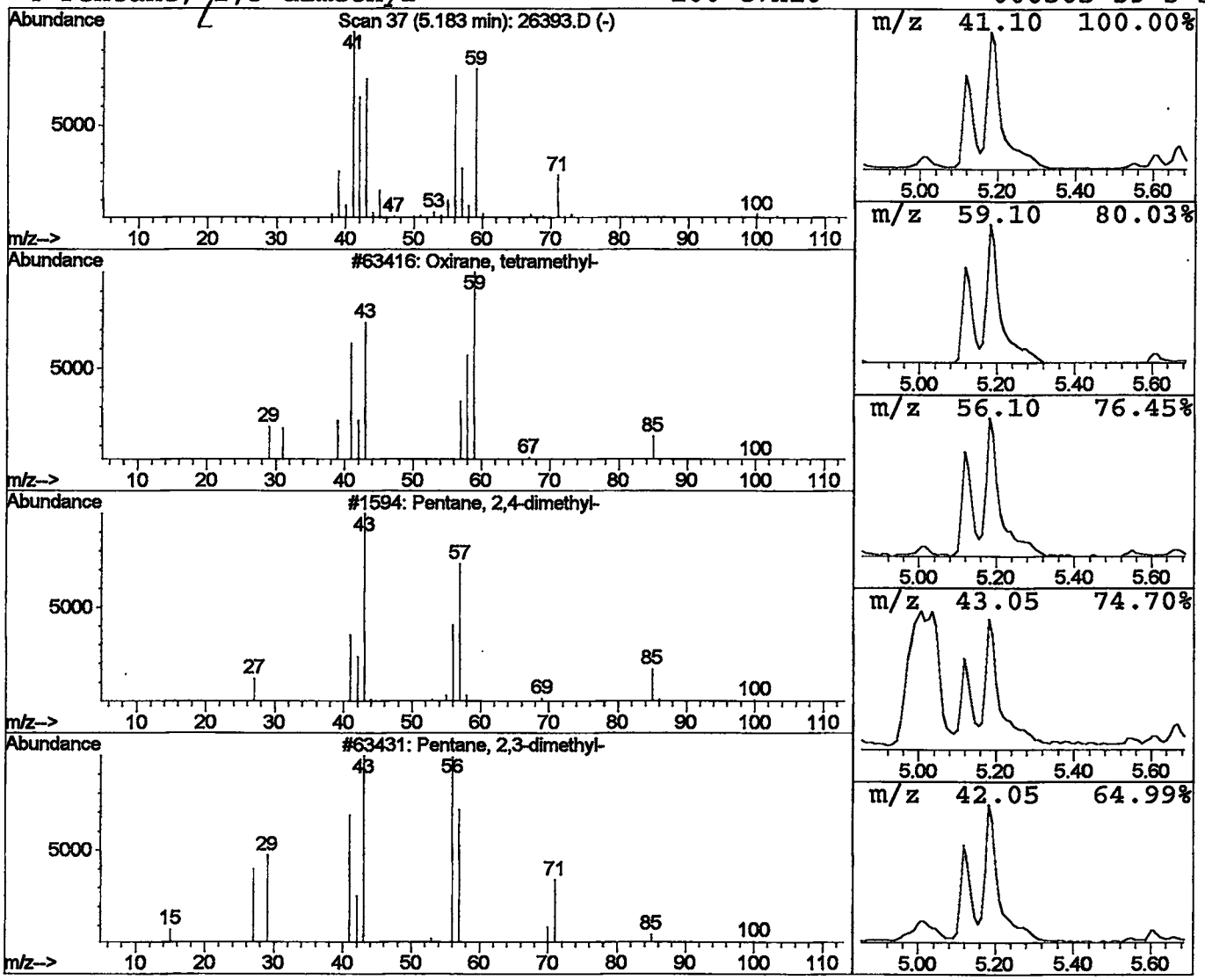
****

Peak Number 3 Oxirane, tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	2.21 ng/uL	955844	1,4-Dichlorobenzene-d4	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, tetramethyl-	100	C6H12O	005076-20-0	35
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	35
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	32
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	32



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Sample : gc/ms unknown 11/3
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
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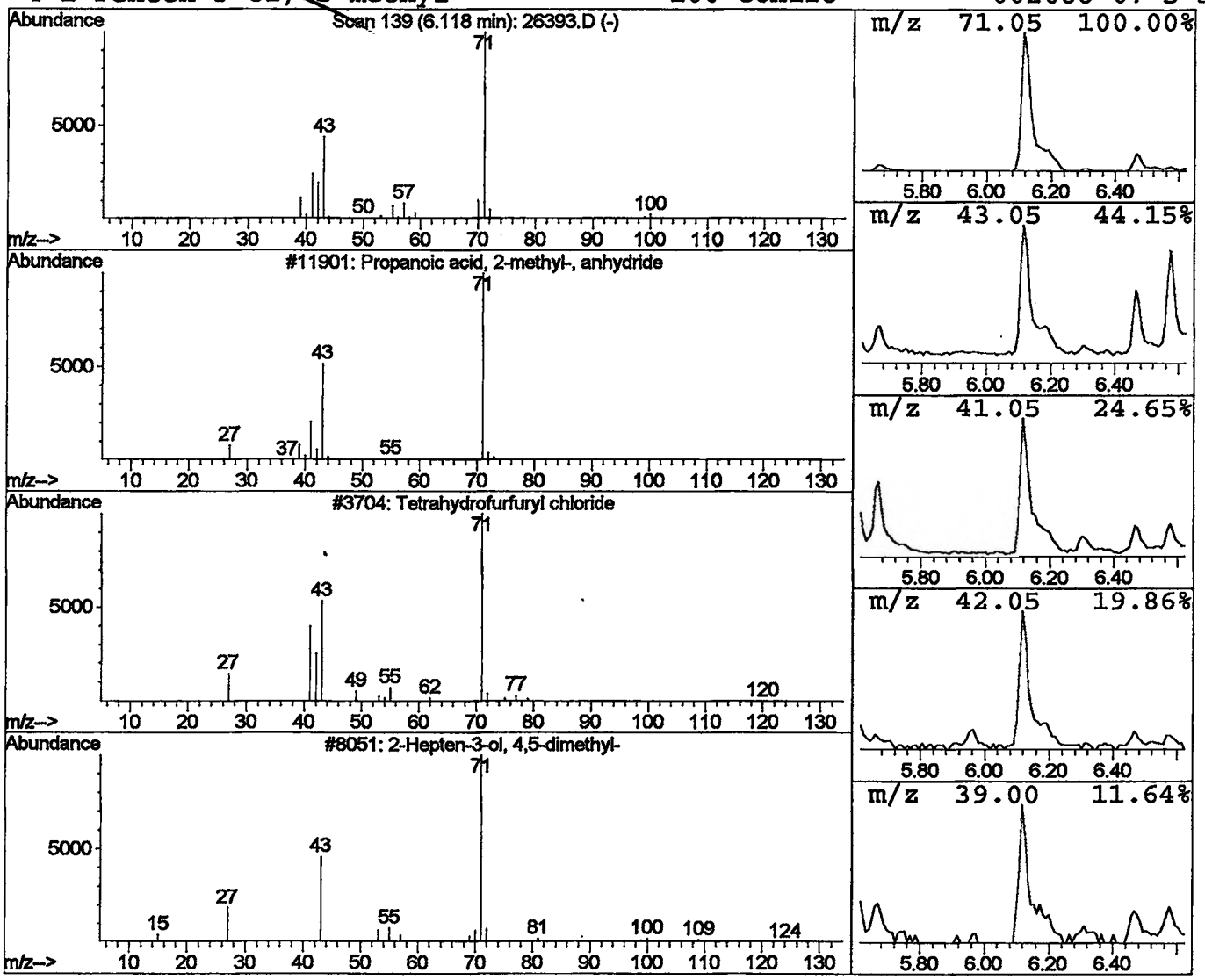
****

Peak Number 4 Propanoic acid, 2-methyl-, anh Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	1.30 ng/uL	560784	1,4-Dichlorobenzene-d4	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, anhydrid	158	C8H14O3	000097-72-3	40
2	Tetrahydrofurfuryl chloride	120	C5H9ClO	003003-84-7	39
3	2-Hepten-3-ol, 4,5-dimethyl-	142	C9H18O	055956-37-1	39
4	1-Penten-3-ol, 2-methyl-	100	C6H12O	002088-07-5	39



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Sample : gc/ms unknown 11/3
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: GALOS
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Multiplr: 1.00

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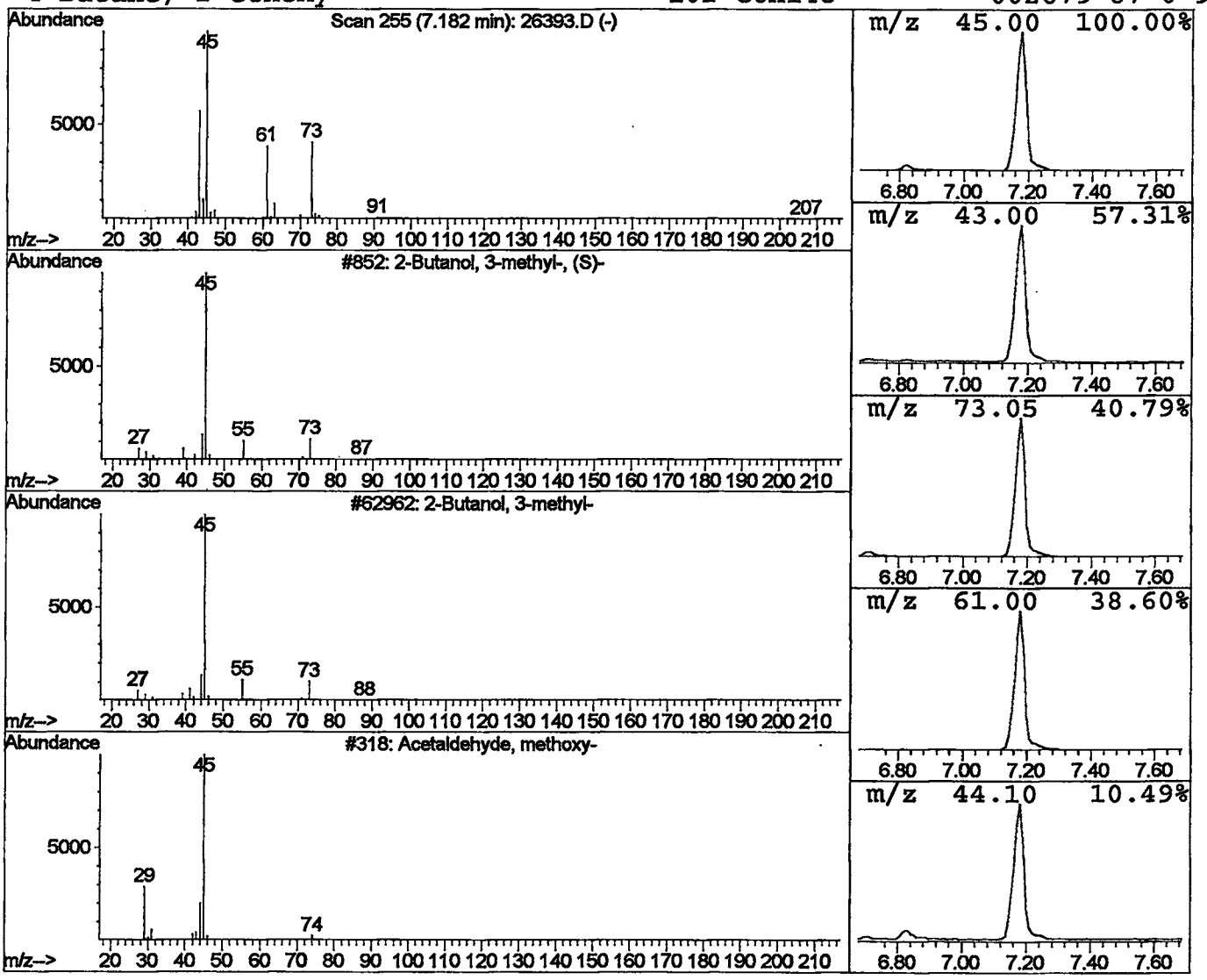
****

Peak Number 5 2-Butanol, 3-methyl-, (S)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	7.34 ng/uL	3177830	1,4-Dichlorobenzene-d4	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 3-methyl-, (S)-	88	C5H12O	001517-66-4	38
2	2-Butanol, 3-methyl-	88	C5H12O	000598-75-4	9
3	Acetaldehyde, methoxy-	74	C3H6O2	010312-83-1	9
4	Butane, 2-ethoxy-	102	C6H14O	002679-87-0	9



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Sample : gc/ms unknown 11/3
Misc :
MS Integration Params: LSCINT.P

Vial: 3
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
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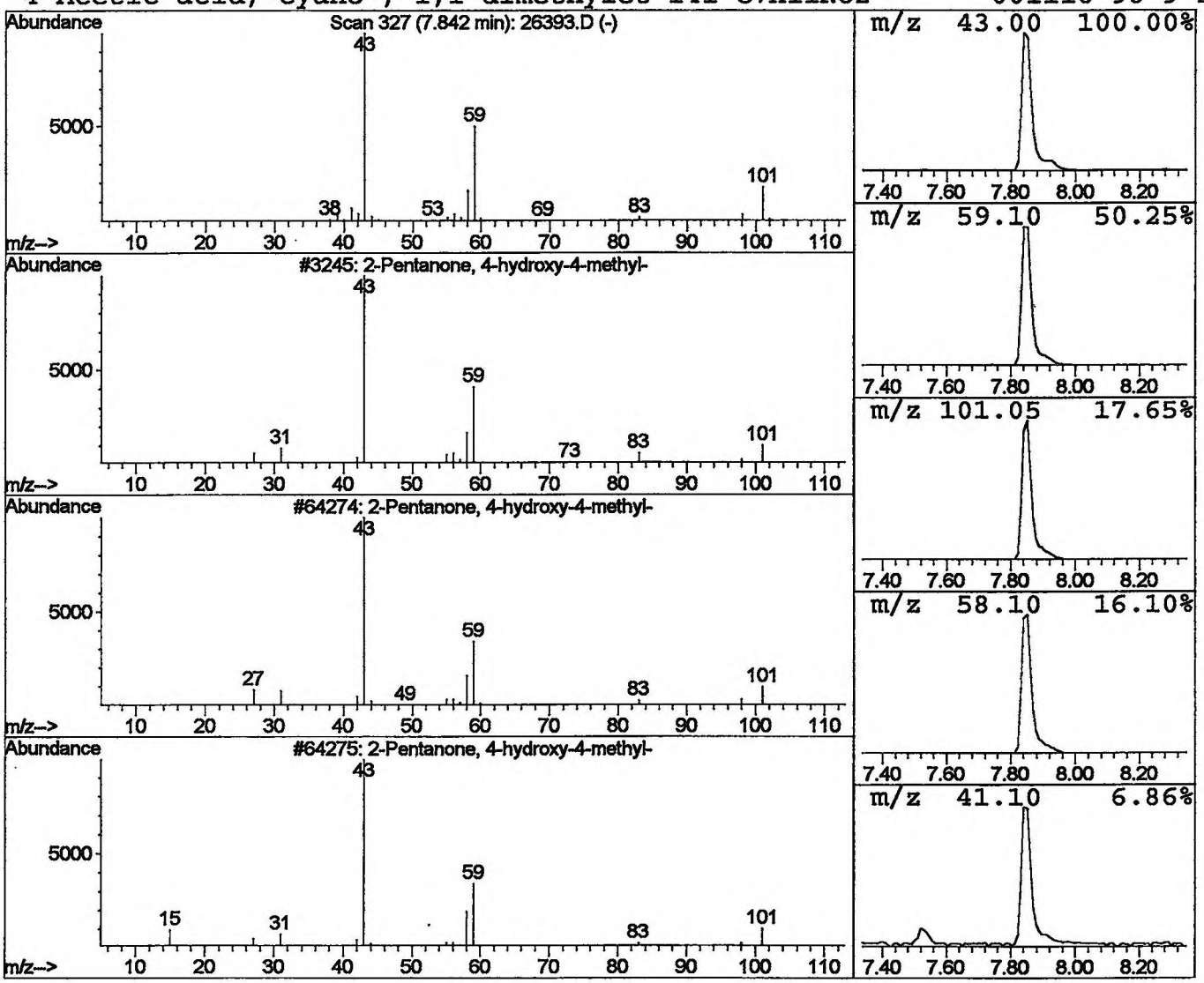
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.84	4.86 ng/uL	2103690	1,4-Dichlorobenzene-d4	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	43
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	43
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
4	Acetic acid, cyano-, 1,1-dimethylet	141	C7H11NO2	001116-98-9	25



Library Search Compound Report

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Acq On : 30 Nov 2001 2:02 pm Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

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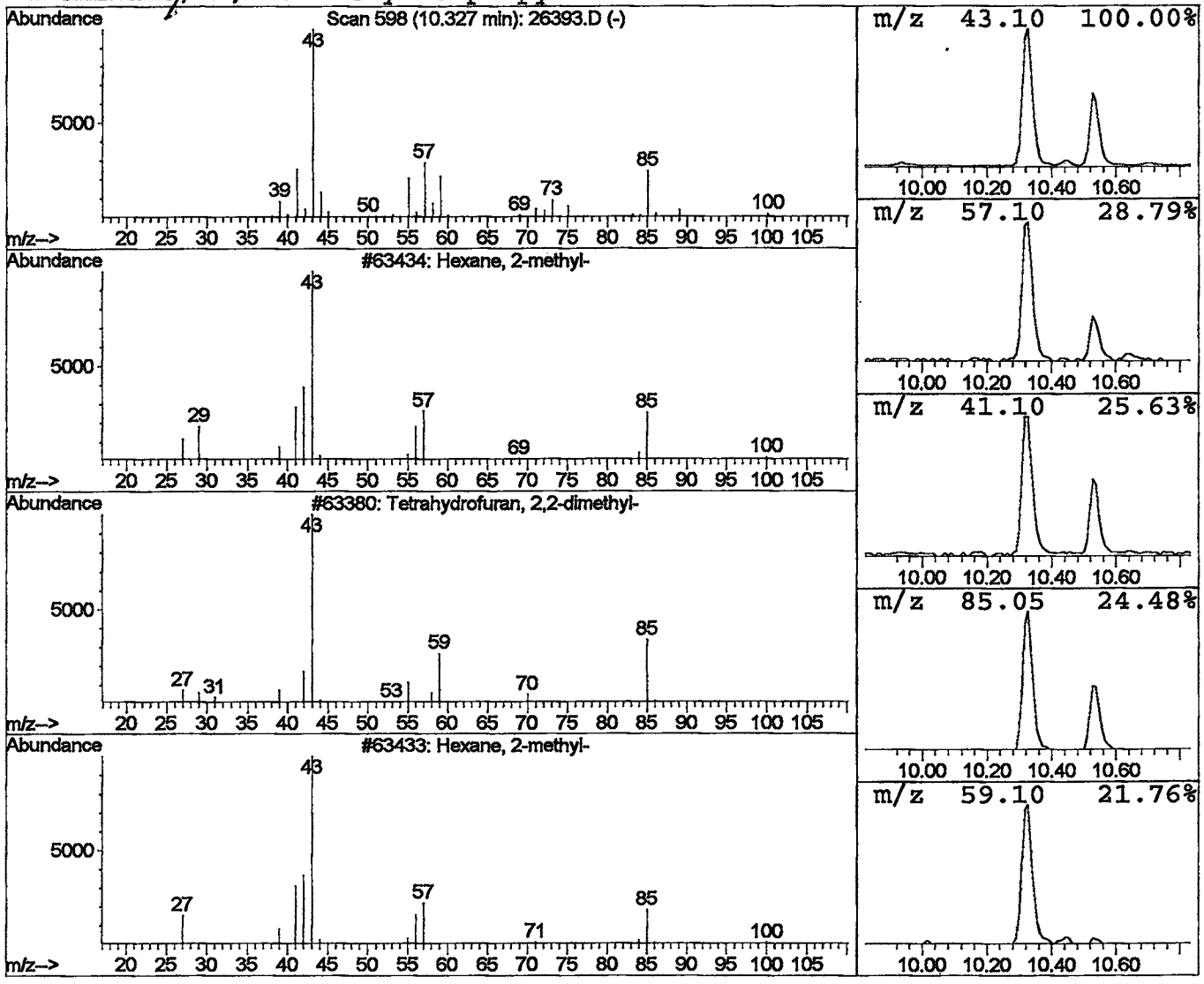
Peak Number 7 Hexane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	1.86 ng/uL	802808	1,4-Dichlorobenzene-d4	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2-methyl-	100	C7H16	000591-76-4	35
2	Tetrahydrofuran, 2,2-dimethyl-	100	C6H12O	001003-17-4	33
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	25
4	Oxirane, 2,2-dimethyl-3-propyl-	114	C7H14O	017612-35-0	25



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Acq On : 30 Nov 2001 2:02 pm Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

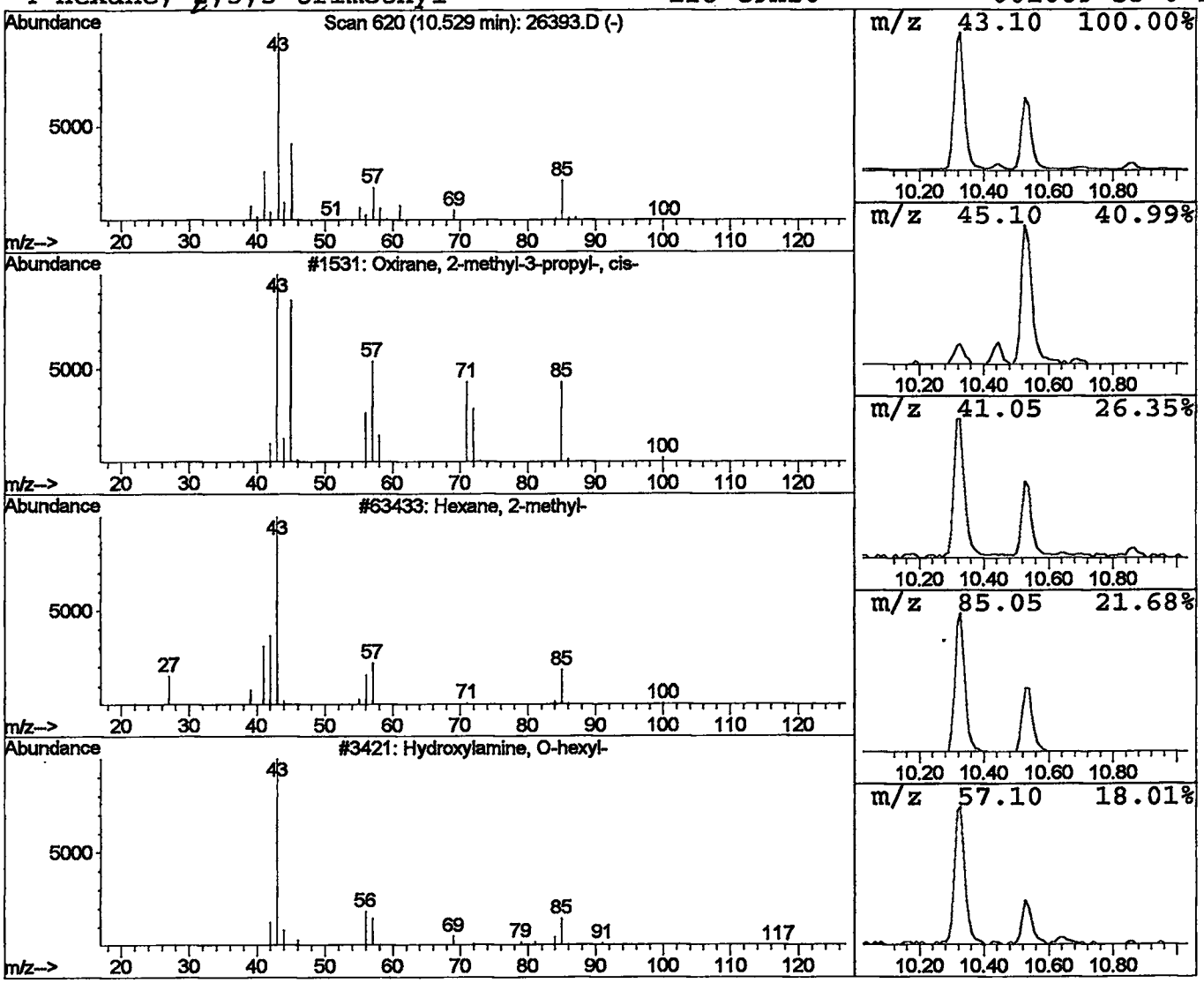
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 8 Oxirane, 2-methyl-3-propyl-, c Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	0.84 ng/uL	362022	1,4-Dichlorobenzene-d4	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2-methyl-3-propyl-, cis-	100	C6H12O	006124-90-9	36
2	Hexane, 2-methyl-	100	C7H16	000591-76-4	27
3	Hydroxylamine, O-hexyl-	117	C6H15NO	004665-68-3	25
4	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	25



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV3001\26393.D Vial: 3
Acq On : 30 Nov 2001 2:02 pm Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

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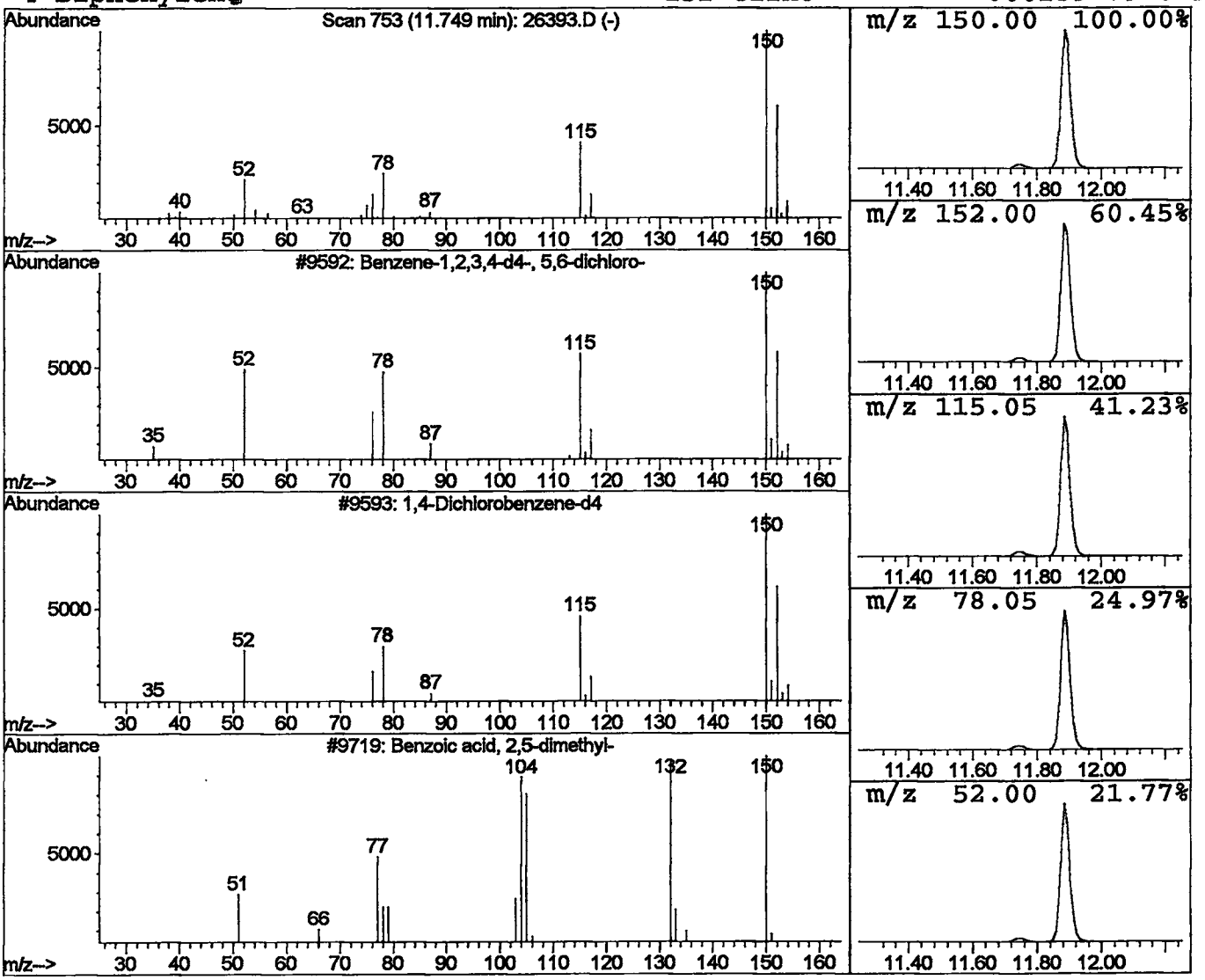
Peak Number 9 Benzene-1,2,3,4-d4-, 5,6-dichl Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	0.54 ng/uL	232174	1,4-Dichlorobenzene-d4	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	53
2	1,4-Dichlorobenzene-d4	150	C6Cl2D4	003855-82-1	53
3	Benzoic acid, 2,5-dimethyl-	150	C9H10O2	000610-72-0	9
4	Biphenylene	152	C12H8	000259-79-0	9



Tentatively Identified Compound (LSC) summary

Operator ID: GALOS Date Acquired: 30 Nov 2001 2:02 pm
Data File: C:\HPCHEM\1\DATA\NOV3001\26393.D
Name: gc/ms unknown 11/3
Misc:
Method: C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title: 208 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Heptane, 2,3-dimethy	5.01	1.0	ng/uL	446699	ISTD01	11.89	8654070	20.0
1-Butanol	5.12	1.1	ng/uL	461842	ISTD01	11.89	8654070	20.0
Oxirane, tetramethyl	5.18	2.2	ng/uL	955844	ISTD01	11.89	8654070	20.0
Propanoic acid, 2-me	6.12	1.3	ng/uL	560784	ISTD01	11.89	8654070	20.0
2-Butanol, 3-methyl-	7.18	7.3	ng/uL	3177830	ISTD01	11.89	8654070	20.0
2-Pentanone, 4-hydro	7.84	4.9	ng/uL	2103690	ISTD01	11.89	8654070	20.0
Hexane, 2-methyl-	10.33	1.9	ng/uL	802808	ISTD01	11.89	8654070	20.0
Oxirane, 2-methyl-3-	10.53	0.8	ng/uL	362022	ISTD01	11.89	8654070	20.0
Benzene-1,2,3,4-d4-,	11.75	0.5	ng/uL	232174	ISTD01	11.89	8654070	20.0

26393.D NP112701.M Tue Dec 04 10:43:52 2001