User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/01/2002 Time: 12:23:22

Sample: AE04131
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/1/02 12:23 Ended: 4/1/02 12:23 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		87		5.0

Neva Patel 2/19/02 53550

Comments for Sample AE04131 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-01-2002 Time: 12:24:56

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for compounds in the LCS Standard were high. New recovery limits will be calculated.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAR2202\4131.D Vial: 27
Acq On : 23 Mar 2002 9:42 pm Operator:
Sample : gc/ms scan 2/25 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 27 9:54 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Mar 26 14:13:06 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.26	152	417757	20.00 ug/l	-0.09
10) Naphthalene-d8	15.90	136	1619965	20.00 ug/l	-0.10
17) Acenaphthene-d10	21.21	164	885487	20.00 ug/l	-0.10
29) Phenanthrene-d10	25.66	188	1332039	20.00 ug/l	-0.11
38) Chrysene-d12	33.72	240	826407	20.00 ug/l	-0.13
44) Perylene-d12	37.97	264	481174	20.00 ug/l	-0.15
System Monitoring Compounds					
37) 2,4-DDD	30.73	235	80767	~~7.41~~ 4.37 ug/mL	0.24
Spiked Amount 5.000			Recovery =	~~148.20%~~ 87%	
Target Compounds					Qvalue
2) N-nitroso-dimethyl amine	0.00	74	0	N.D.	
3) bis(2-Chloroethyl)ether	0.00	93	0	N.D.	
4) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
5) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
6) 1,2-Dichlorobenzene	0.00	146	0	N.D.	
7) 2,2'-oxybis(1-Chloropropan	0.00	45	0	N.D.	
8) N-Nitroso-di-n-propylamine	0.00	70	0	N.D.	
9) Hexachloroethane	0.00	117	0	N.D.	
11) Nitrobenzene	0.00	77	0	N.D.	
12) Isophorone	14.92	82	178	N.D.	
13) bis(2-Chloroethoxy)methane	0.00	93	0	N.D.	
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
15) Naphthalene	15.96	128	258	N.D.	
16) Hexachlorobutadiene	0.00	225	0	N.D.	
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.	
19) 2-Chloronaphthalene	0.00	162	0	N.D.	
20) Dimethylphthalate	0.00	163	0	N.D.	
21) 2,6-Dinitrotoluene	0.00	165	0	N.D.	
22) Acenaphthylene	0.00	152	0	N.D.	
23) Acenaphthene	0.00	153	0	N.D.	
24) 2,4-Dinitrotoluene	0.00	165	0	N.D.	
25) Diethylphthalate	22.69	149	391	N.D.	
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
27) Fluorene	0.00	166	0	N.D.	
28) Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.	

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

Quantitation Report (QT Reviewed)

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Acq On : 23 Mar 2002 9:42 pm Operator:
Sample : gc/ms scan 2/25 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 27 9:54 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Mar 26 14:13:06 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
31)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
32)	Hexachlorobenzene	0.00	284	0	N.D.	
33)	Phenanthrene	25.66	178	492	N.D.	
34)	Anthracene	25.66	178	492	N.D.	
35)	Di-n-butylphthalate	27.62	149	12203	N.D.	
36)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	0.00	202	0	N.D.	
40)	Butylbenzylphthalate	0.00	149	0	N.D.	
41)	Benzo(a)anthracene	33.72	228	1894	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.93	149	1578	N.D.	
43)	Chrysene	33.72	228	1894	N.D.	
45)	Di-n-Octylphthalate	0.00	149	0	N.D.	
46)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
47)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
48)	Benzo(a)pyrene	37.98	252	1873	N.D.	
49)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
50)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
51)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

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

Quantitation Report

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Acq On : 23 Mar 2002 9:42 pm Operator:
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Title : 209 625/TCLP calibration table
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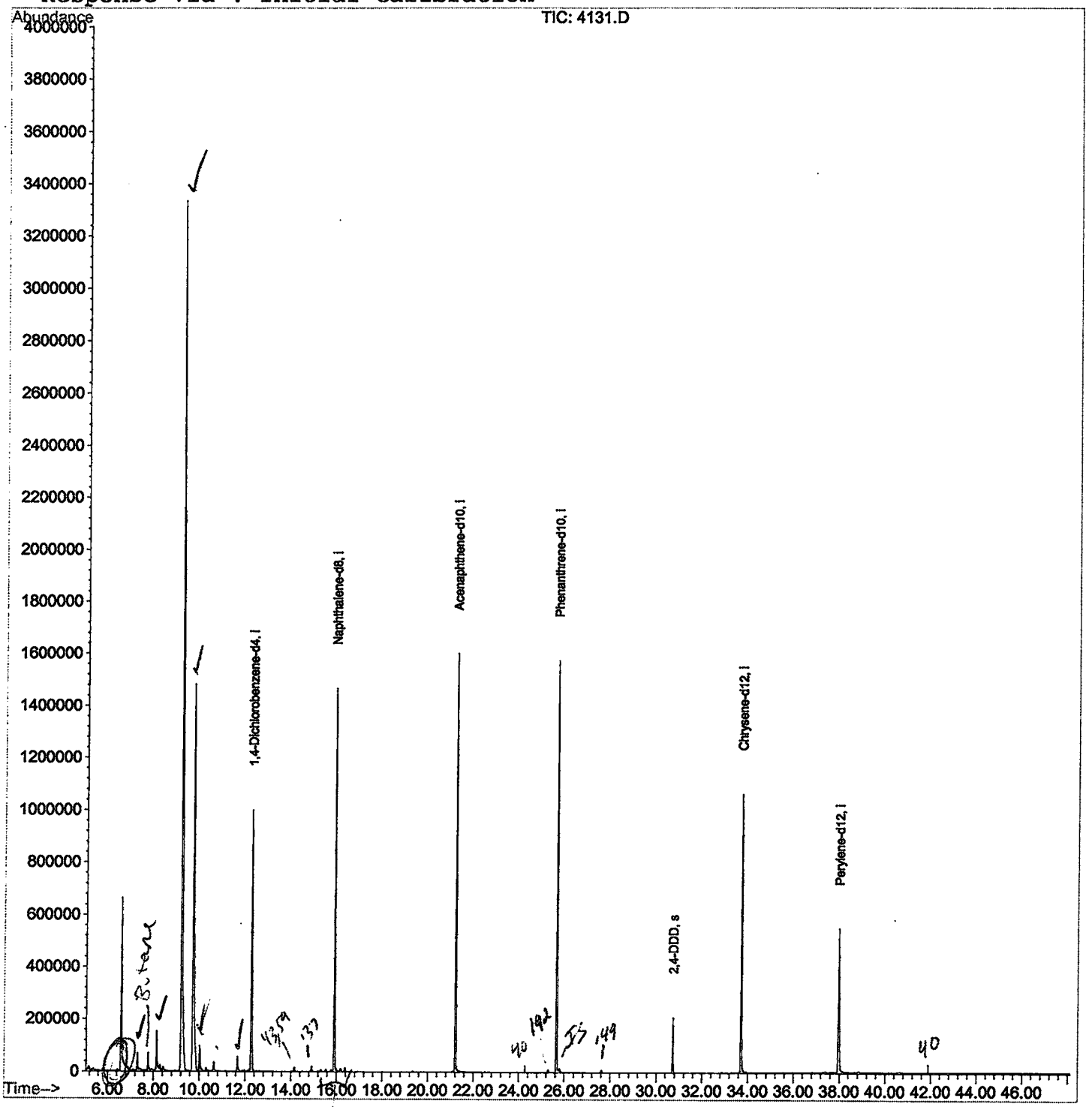
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAR2202\4131.D Vial: 27
Acq On : 23 Mar 2002 9:42 pm Operator:
Sample : gc/ms scan 2/25 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0308.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

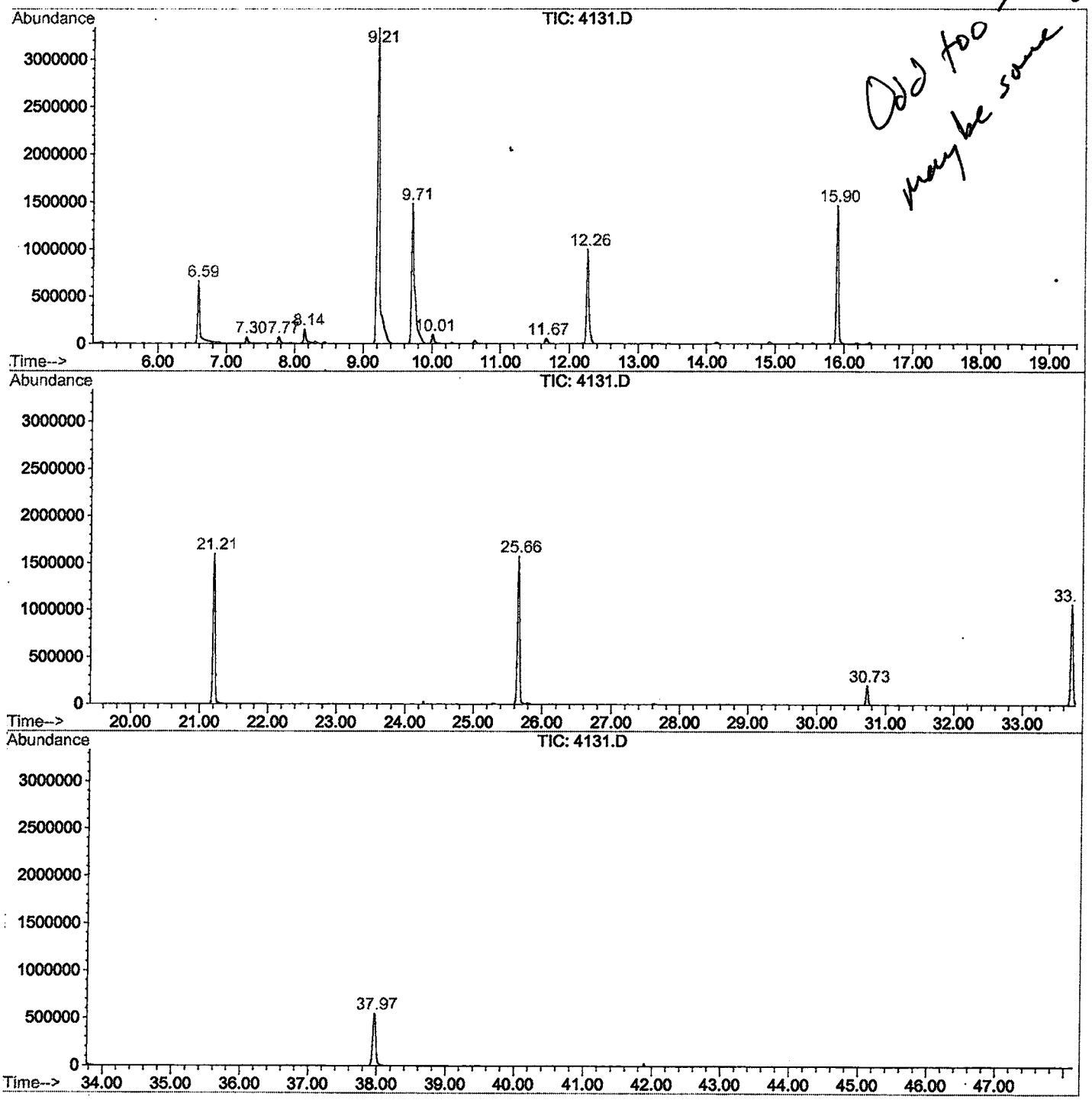
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	6.589	163	168	191	rBV	662501	1583098	18.01%	4.859%
2	7.296	241	245	254	rBV	68238	145804	1.66%	0.448%
3	7.773	292	297	306	rBV	68682	164554	1.87%	0.505%
4	8.141	333	337	351	rBV	145957	342494	3.90%	1.051%
5	9.215	447	454	478	rBV	3332397	8788033	100.00%	26.976%
6	9.711	499	508	531	rBV	1480608	4616942	52.54%	14.172%
7	10.013	537	541	558	rVB	96546	234795	2.67%	0.721%
8	11.666	716	721	729	rBV	55463	132112	1.50%	0.406%
9	12.263	781	786	802	rVB	996897	2296160	26.13%	7.048%
10	15.898	1176	1182	1198	rBV	1465224	3056581	34.78%	9.382%
11	21.213	1754	1761	1772	rBV	1600386	3387461	38.55%	10.398%
12	25.657	2238	2245	2256	rBV2	1574505	3351731	38.14%	10.288%
13	30.733	2793	2798	2804	rVB	208151	404290	4.60%	1.241%
14	33.717	3116	3123	3139	rBV2	1061119	2416108	27.49%	7.416%
15	37.968	3578	3586	3605	rBV2	546573	1657406	18.86%	5.088%

Sum of corrected areas: 32577569

4131.D GCMS0308.M Wed Mar 27 10:09:32 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAR2202\4131.D
Operator :
Acquired : 23 Mar 2002 9:42 pm using AcqMethod GCMS0308
Instrument : GC/MS 209
Sample Name: gc/ms scan 2/25
Misc Info :
Vial Number: 27
Quant File :GCMS0308.RES (RTE Integrator)



Old too / may be some air

4131.D GCMS0308.M Wed Mar 27 10:09:38 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2202\4131.D Vial: 27
Acq On : 23 Mar 2002 9:42 pm Operator:
Sample : gc/ms scan 2/25 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

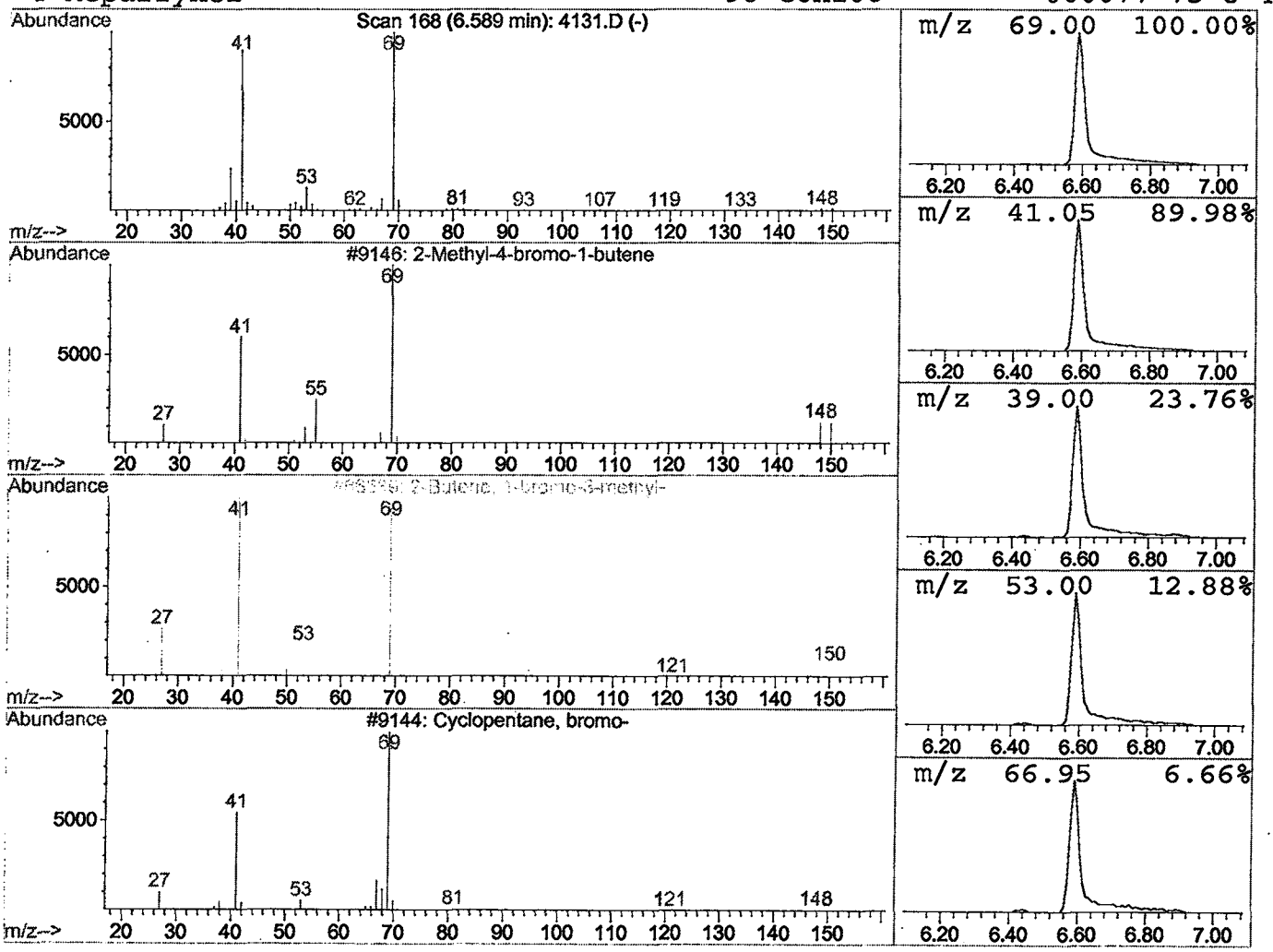
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Methyl-4-bromo-1-butene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	13.79 ug/l	1583100	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-4-bromo-1-butene	148	C5H9Br	020038-12-4	83
2	2-Butene, 1-bromo-3-methyl-	148	C5H9Br	000870-63-3	83
3	Cyclopentane, bromo-	148	C5H9Br	000137-43-9	59
4	Meparfynol	98	C6H10O	000077-75-8	45



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2202\4131.D Vial: 27
Acq On : 23 Mar 2002 9:42 pm Operator:
Sample : gc/ms scan 2/25 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

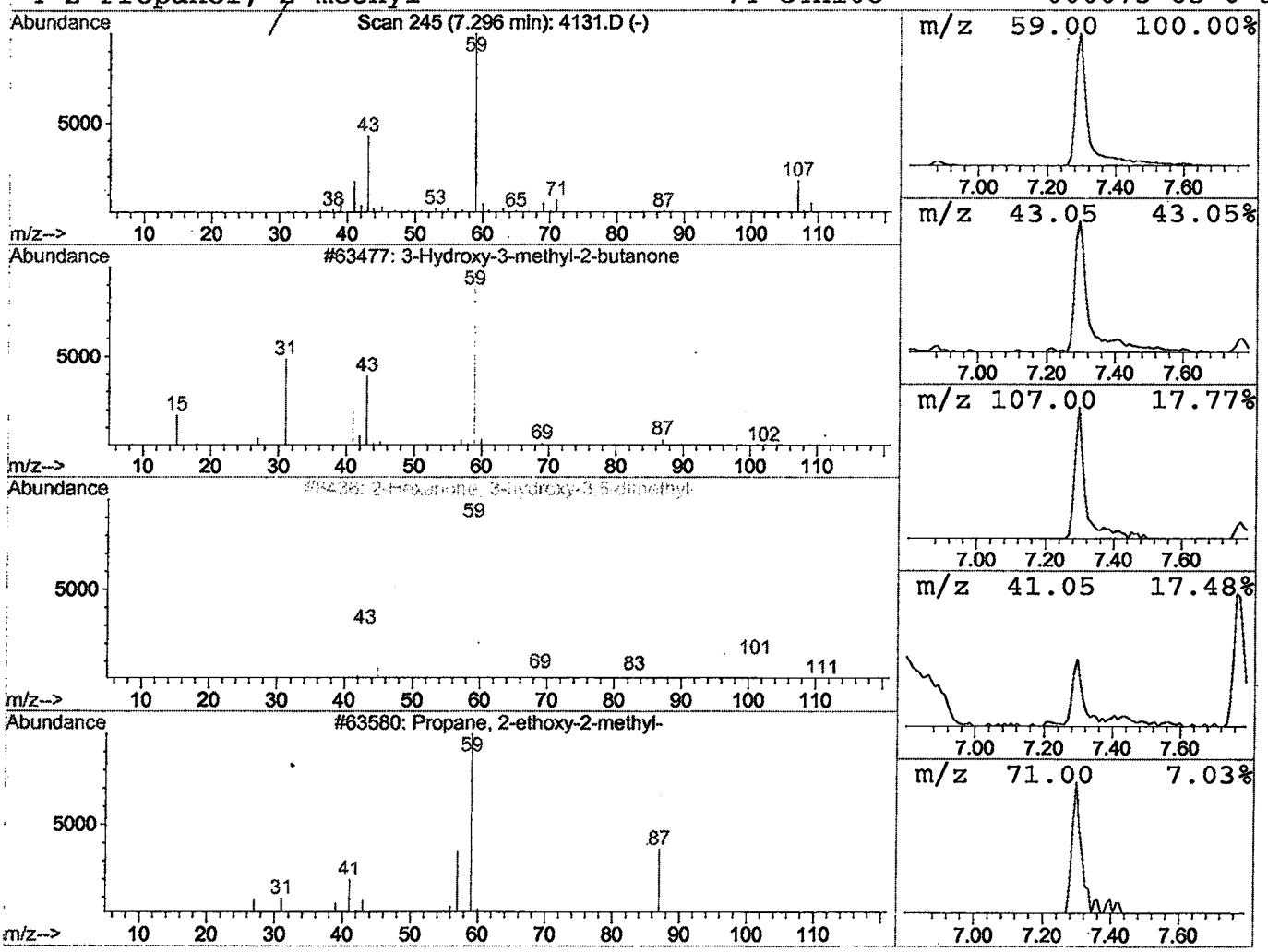
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 3-Hydroxy-3-methyl-2-butanone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.30	1.27 ug/l	145804	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	42
2	2-Hexanone, 3-hydroxy-3,5-dimethyl-	144	C8H16O2	006321-14-8	38
3	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	36
4	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	36



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2202\4131.D Vial: 27
Acq On : 23 Mar 2002 9:42 pm Operator:
Sample : gc/ms scan 2/25 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

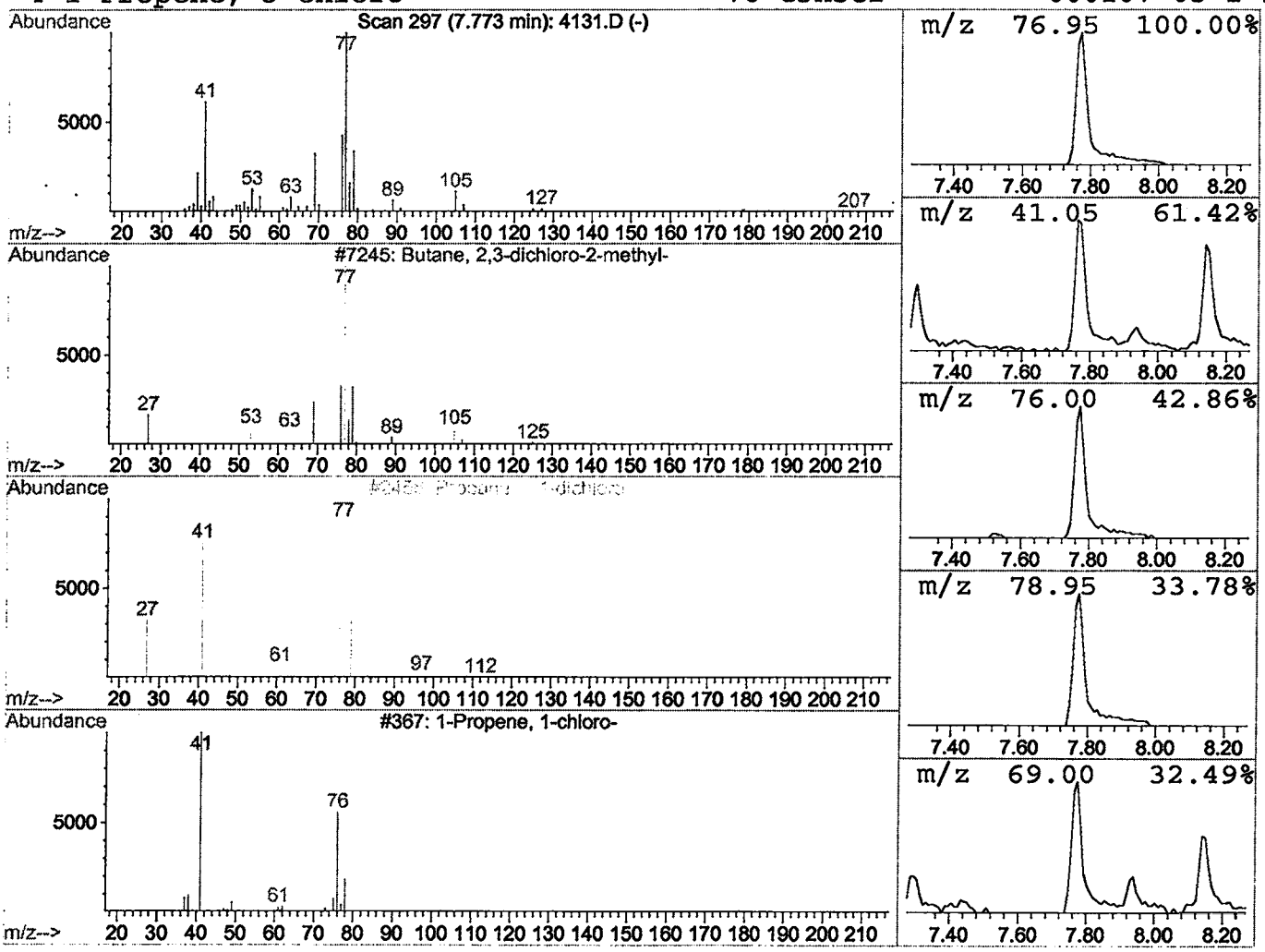
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Butane, 2,3-dichloro-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	1.43 ug/l	164554	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dichloro-2-methyl-	140	C5H10Cl2	000507-45-9	90
2	Propane, 1,1-dichloro-	112	C3H6Cl2	000078-99-9	39
3	1-Propene, 1-chloro-	76	C3H5Cl	000590-21-6	10
4	1-Propene, 3-chloro-	76	C3H5Cl	000107-05-1	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2202\4131.D Vial: 27
Acq On : 23 Mar 2002 9:42 pm Operator:
Sample : gc/ms scan 2/25 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

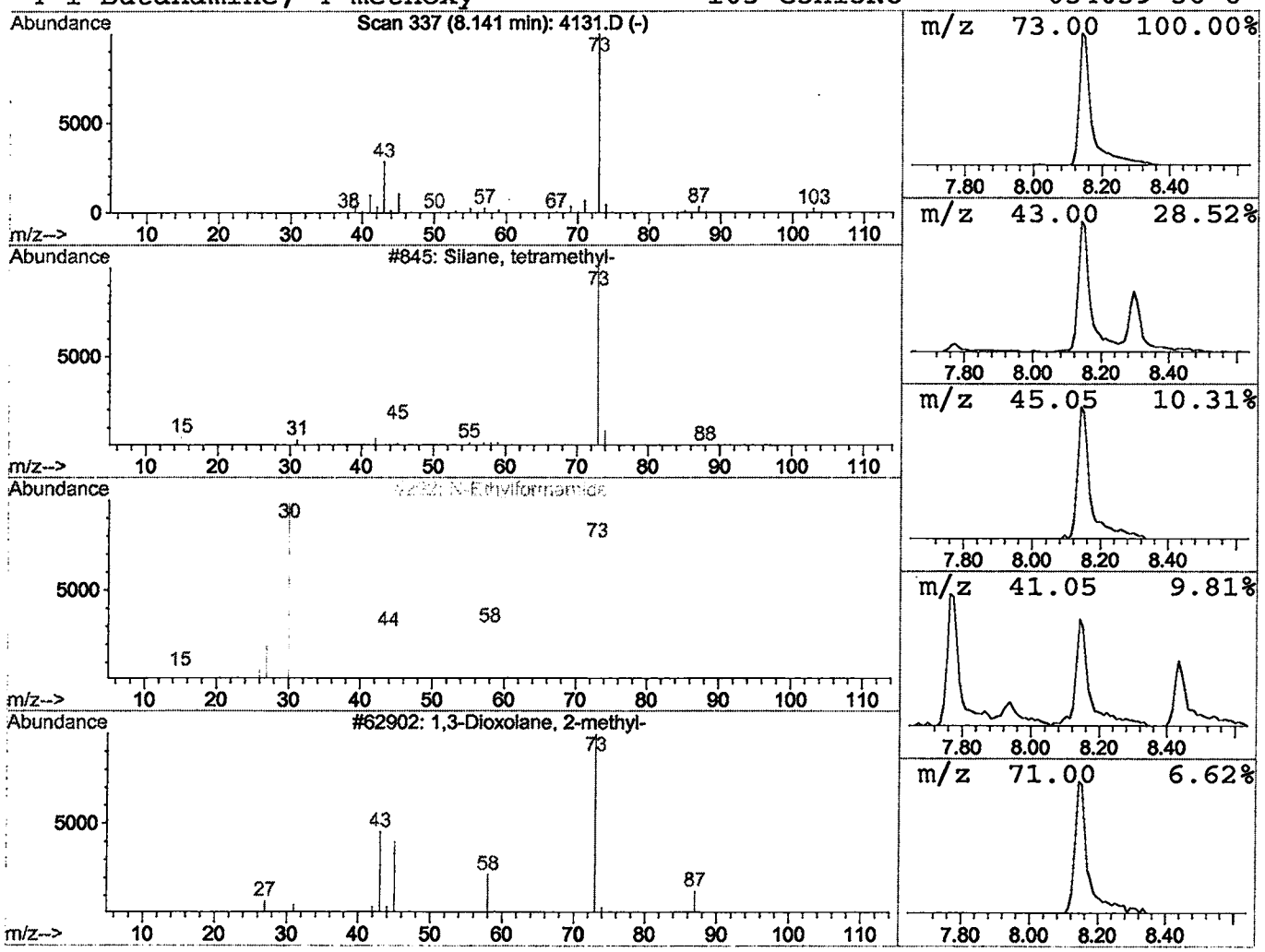
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Silane, tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.14	2.98 ug/l	342494	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	23
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	5
4	1-Butanamine, 4-methoxy-	103	C5H13NO	034039-36-6	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2202\4131.D Vial: 27
Acq On : 23 Mar 2002 9:42 pm Operator:
Sample : gc/ms scan 2/25 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

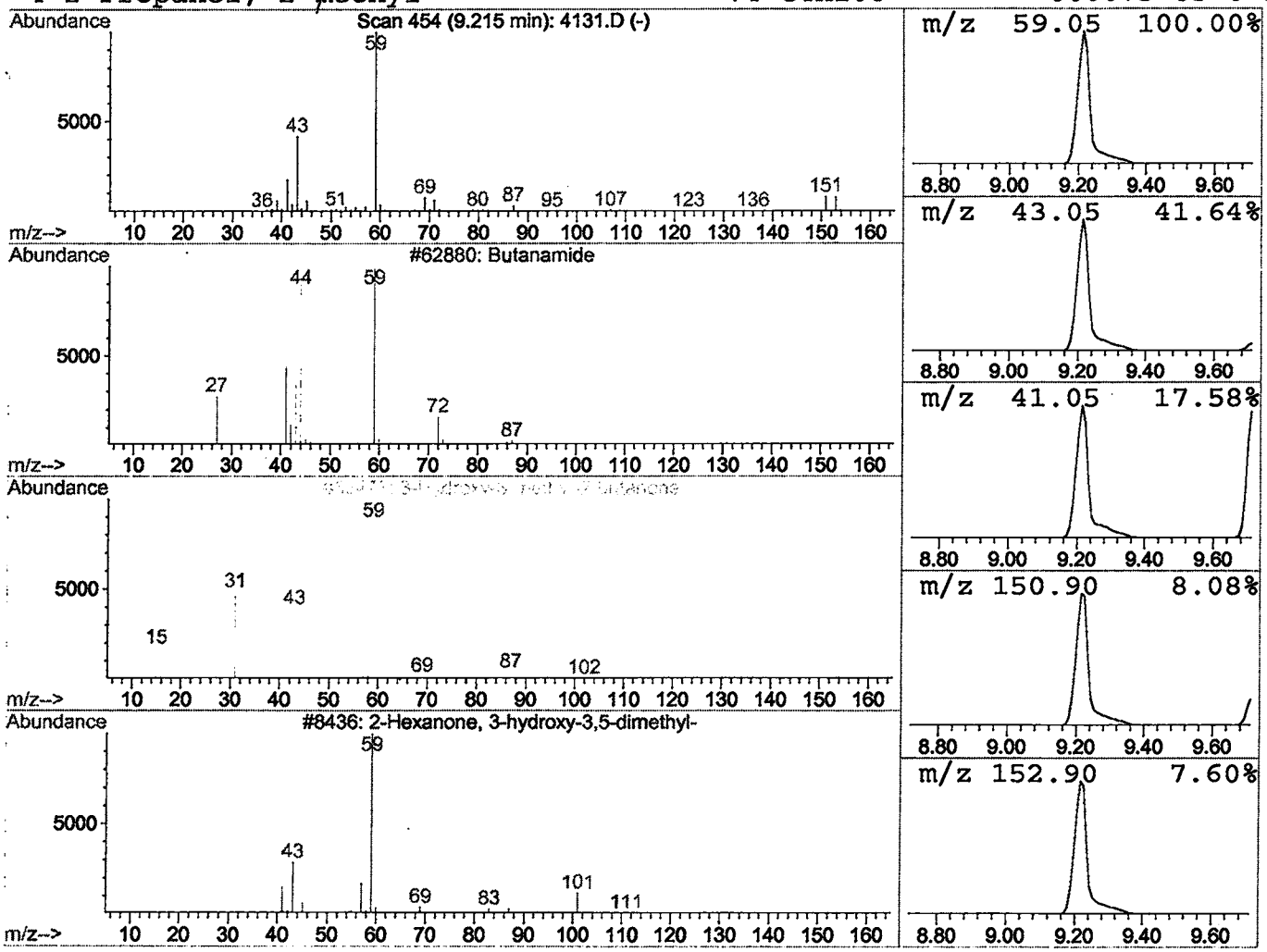
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Butanamide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	76.55 ug/l	8788030	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanamide	87	C4H9NO	000541-35-5	64
2	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	50
3	2-Hexanone, 3-hydroxy-3,5-dimethyl-	144	C8H16O2	006321-14-8	39
4	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	36



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Sample : gc/ms scan 2/25 Inst : GC/MS 209
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MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
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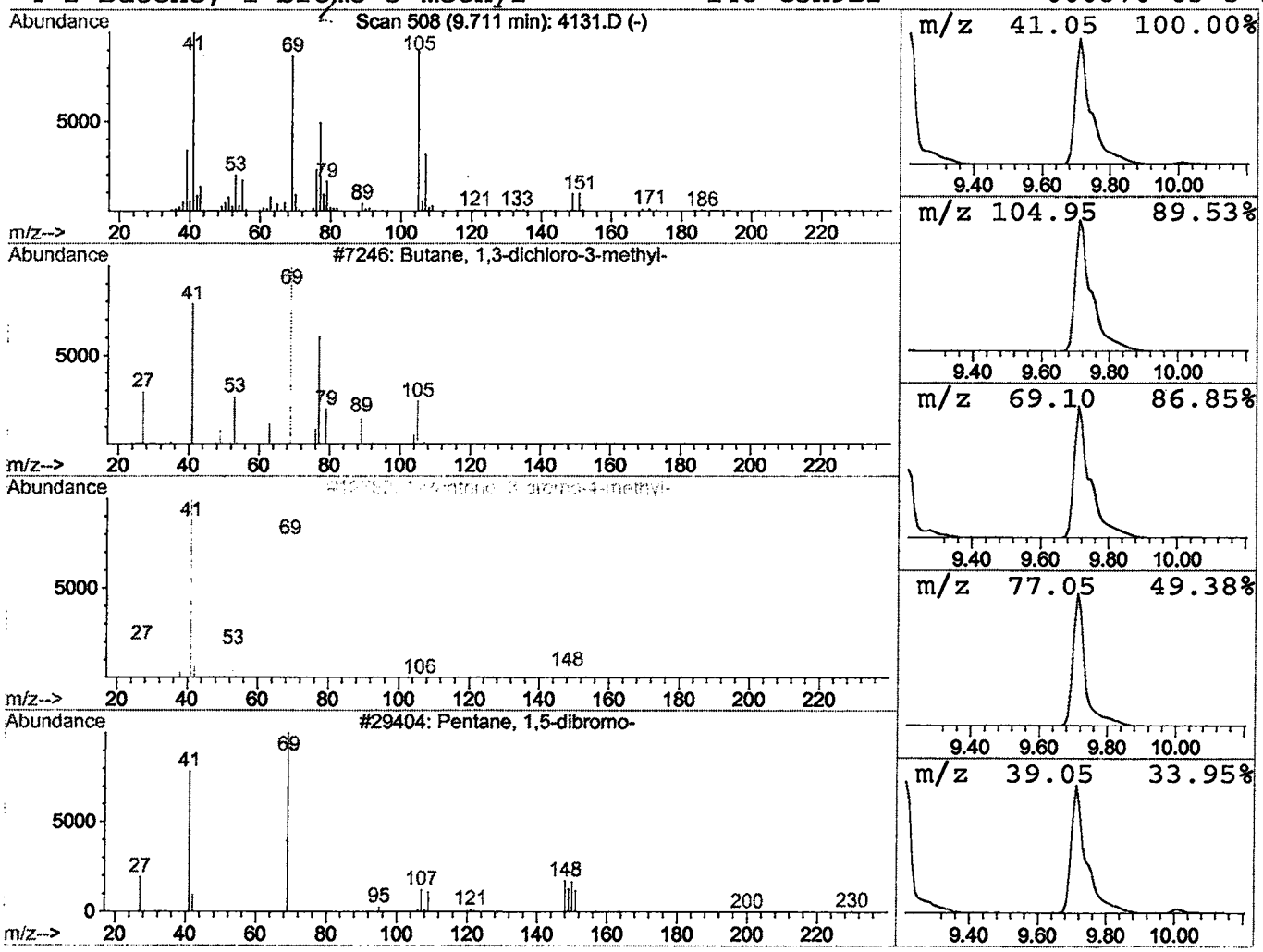
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 Butane, 1,3-dichloro-3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.71	40.21 ug/l	4616940	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 1,3-dichloro-3-methyl-	140	C5H10Cl2	000624-96-4	36
2	1-Pentene, 3-bromo-4-methyl-	162	C6H11Br	000815-47-4	27
3	Pentane, 1,5-dibromo-	228	C5H10Br2	000111-24-0	17
4	2-Butene, 1-bromo-3-methyl-	148	C5H9Br	000870-63-3	16



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2202\4131.D
Acq On : 23 Mar 2002 9:42 pm
Sample : gc/ms scan 2/25
Misc :
MS Integration Params: LSCINT.P

Vial: 27
Operator:
Inst : GC/MS 209
Multiplr: 1.00

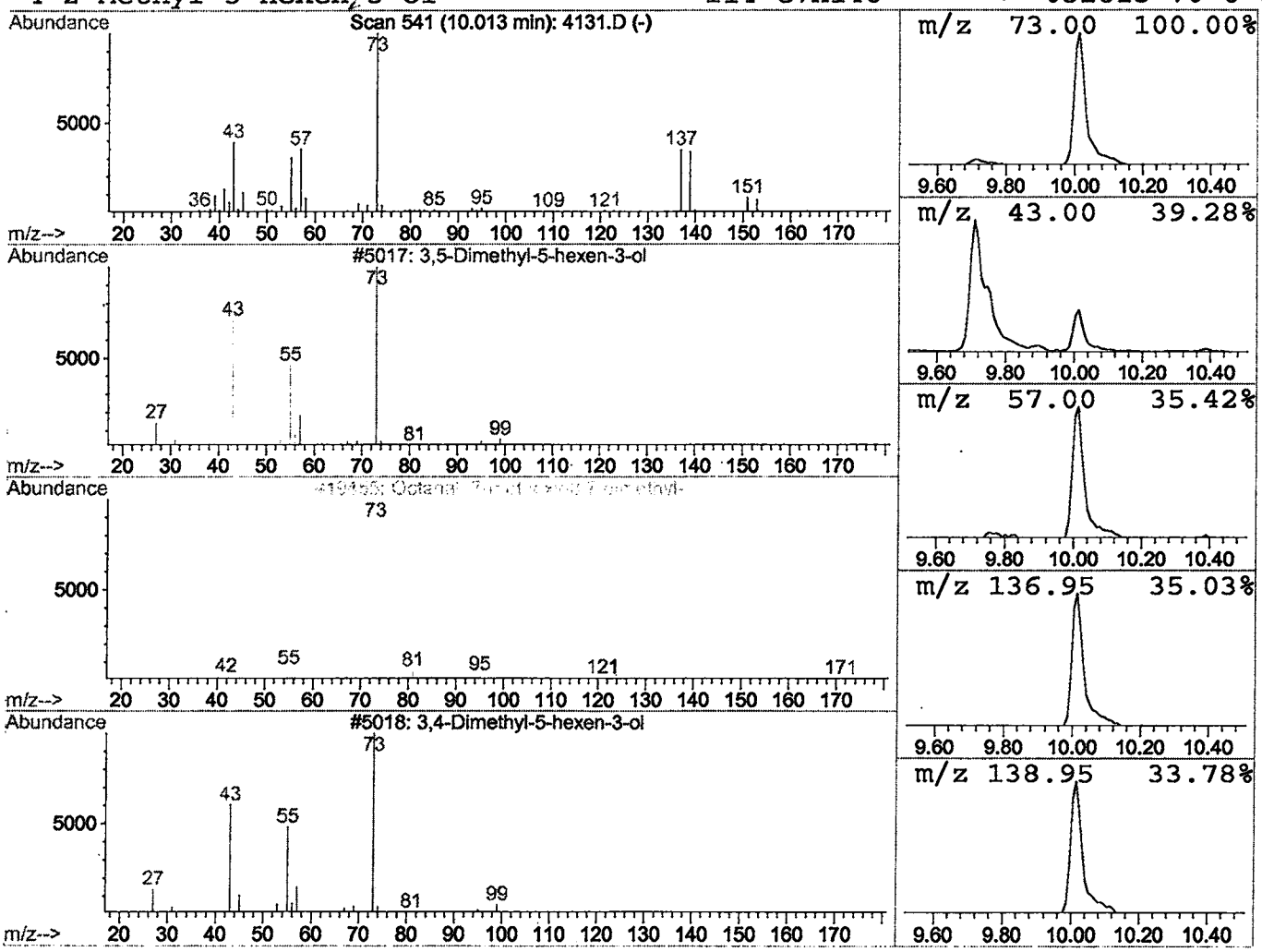
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 7 3,5-Dimethyl-5-hexen-3-ol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	2.05 ug/l	234795	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyl-5-hexen-3-ol	128	C8H16O	000000-00-0	9
2	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	9
3	3,4-Dimethyl-5-hexen-3-ol	128	C8H16O	000000-00-0	9
4	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	8



Library Search Compound Report

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Acq On : 23 Mar 2002 9:42 pm Operator:
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MS Integration Params: LSCINT.P

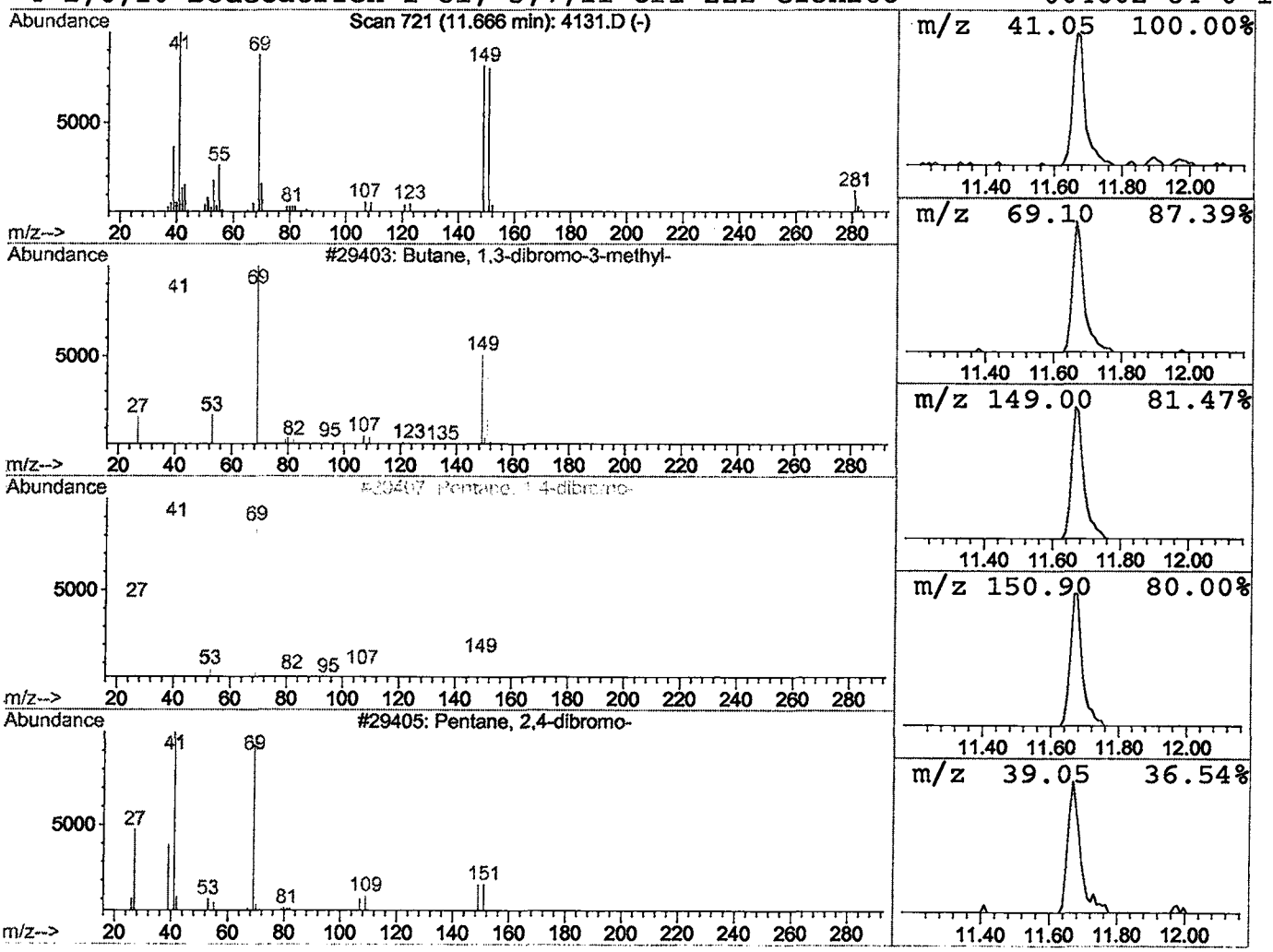
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 8 Butane, 1,3-dibromo-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	1.15 ug/l	132112	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 1,3-dibromo-3-methyl-	228	C5H10Br2	024443-15-0	50
2	Pentane, 1,4-dibromo-	228	C5H10Br2	000626-87-9	27
3	Pentane, 2,4-dibromo-	228	C5H10Br2	019398-53-9	12
4	2,6,10-Dodecatrien-1-ol, 3,7,11-tri	222	C15H26O	004602-84-0	12



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 23 Mar 2002 9:42 pm
Data File: C:\HPCHEM\1\DATA\MAR2202\4131.D
Name: gc/ms scan 2/25
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0308.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
2-Methyl-4-bromo-1-b	6.59	13.8	ug/l	1583100	ISTD01	12.26	2296160	20.0
3-Hydroxy-3-methyl-2	7.30	1.3	ug/l	145804	ISTD01	12.26	2296160	20.0
Butane, 2,3-dichloro	7.77	1.4	ug/l	164554	ISTD01	12.26	2296160	20.0
Silane, tetramethyl-	8.14	3.0	ug/l	342494	ISTD01	12.26	2296160	20.0
Butanamide	9.21	76.5	ug/l	8788030	ISTD01	12.26	2296160	20.0
Butane, 1,3-dichloro	9.71	40.2	ug/l	4616940	ISTD01	12.26	2296160	20.0
3,5-Dimethyl-5-hexen	10.01	2.0	ug/l	234795	ISTD01	12.26	2296160	20.0
Butane, 1,3-dibromo-	11.67	1.2	ug/l	132112	ISTD01	12.26	2296160	20.0

4131.D GCMS0308.M Wed Mar 27 10:10:17 2002