User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/01/2002 Time: 12:18:24

Sample: AE04129
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/1/02 12:16 Ended: 4/1/02 12:16 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		84		5.0

New Bolton
2/19/2
34350

Comments for Sample AE04129 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-01-2002 Time: 12:18:30

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\4129.D Vial: 25
Acq On : 23 Mar 2002 7:44 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 9:50 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	422803	20.00	ug/l	-0.09
10) Naphthalene-d8	15.90	136	1634750	20.00	ug/l	-0.10
17) Acenaphthene-d10	21.22	164	899042	20.00	ug/l	-0.10
29) Phenanthrene-d10	25.66	188	1340458	20.00	ug/l	-0.11
38) Chrysene-d12	33.72	240	829848	20.00	ug/l	-0.13
44) Perylene-d12	37.97	264	477725	20.00	ug/l	-0.15
System Monitoring Compounds						
37) 2,4-DDD	30.74	235	77670	4.21 ~~7.08~~	ug/mL	0.24
Spiked Amount 5.000			Recovery =	~~141.60%~~ 84%		
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	13.48	77	237	N.D.		
12) Isophorone	0.00	82	0	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	0.00	128	0	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	383	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

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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	388	N.D.	
34)	Anthracene	25.66	178	388	N.D.	
35)	Di-n-butylphthalate	27.62	149	12611	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	2009	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.93	149	1908	N.D.	
43)	Chrysene	33.72	228	2009	N.D.	
45)	Di-n-Octylphthalate	0.00	149	0	N.D.	
46)	Benzo(b)fluoranthene	36.79	252	179	N.D.	
47)	Benzo(k)fluoranthene	36.86	252	384	N.D.	
48)	Benzo(a)pyrene	37.98	252	2013	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.	

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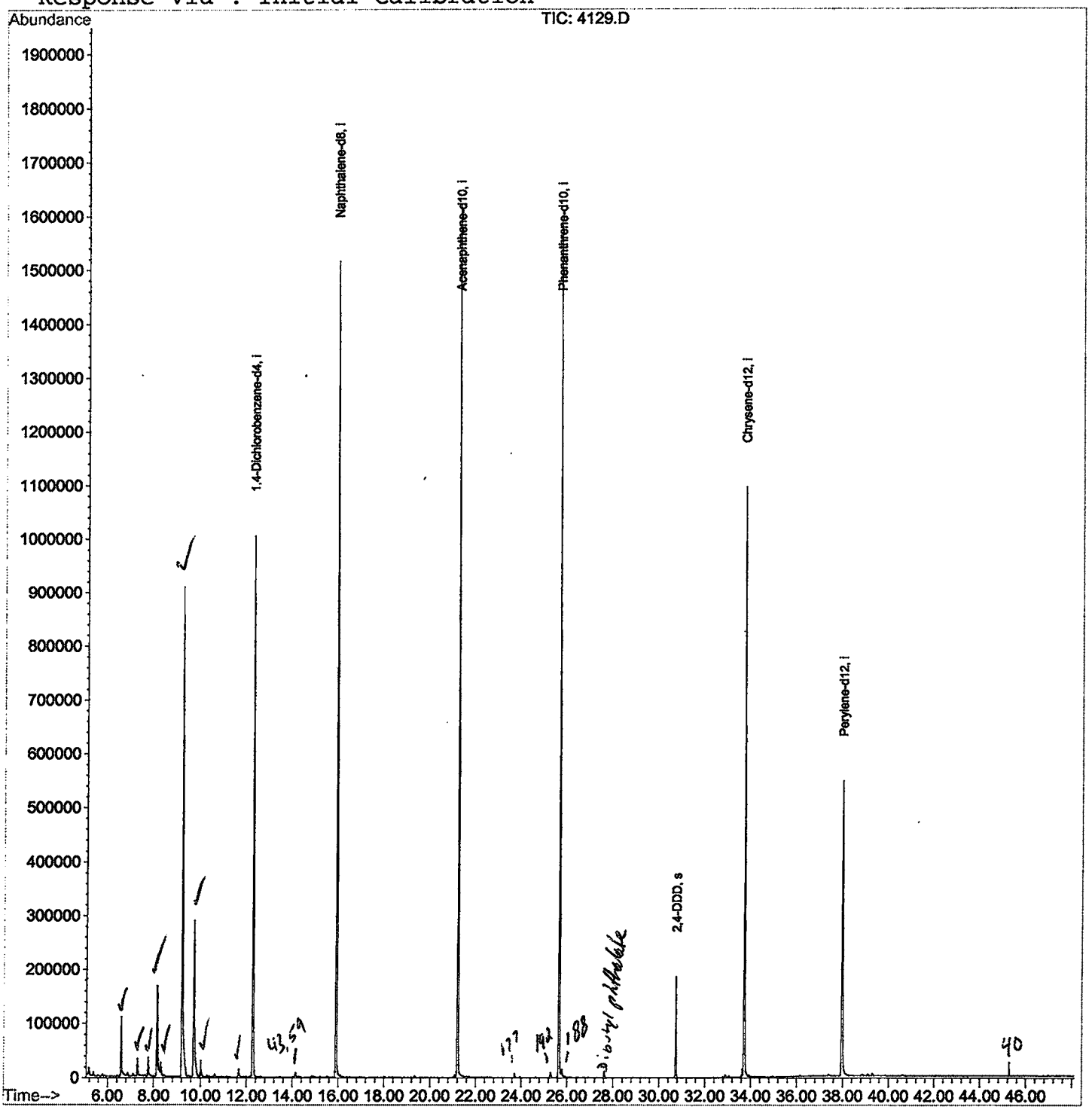


LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAR2202\4129.D Vial: 25
Acq On : 23 Mar 2002 7:44 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

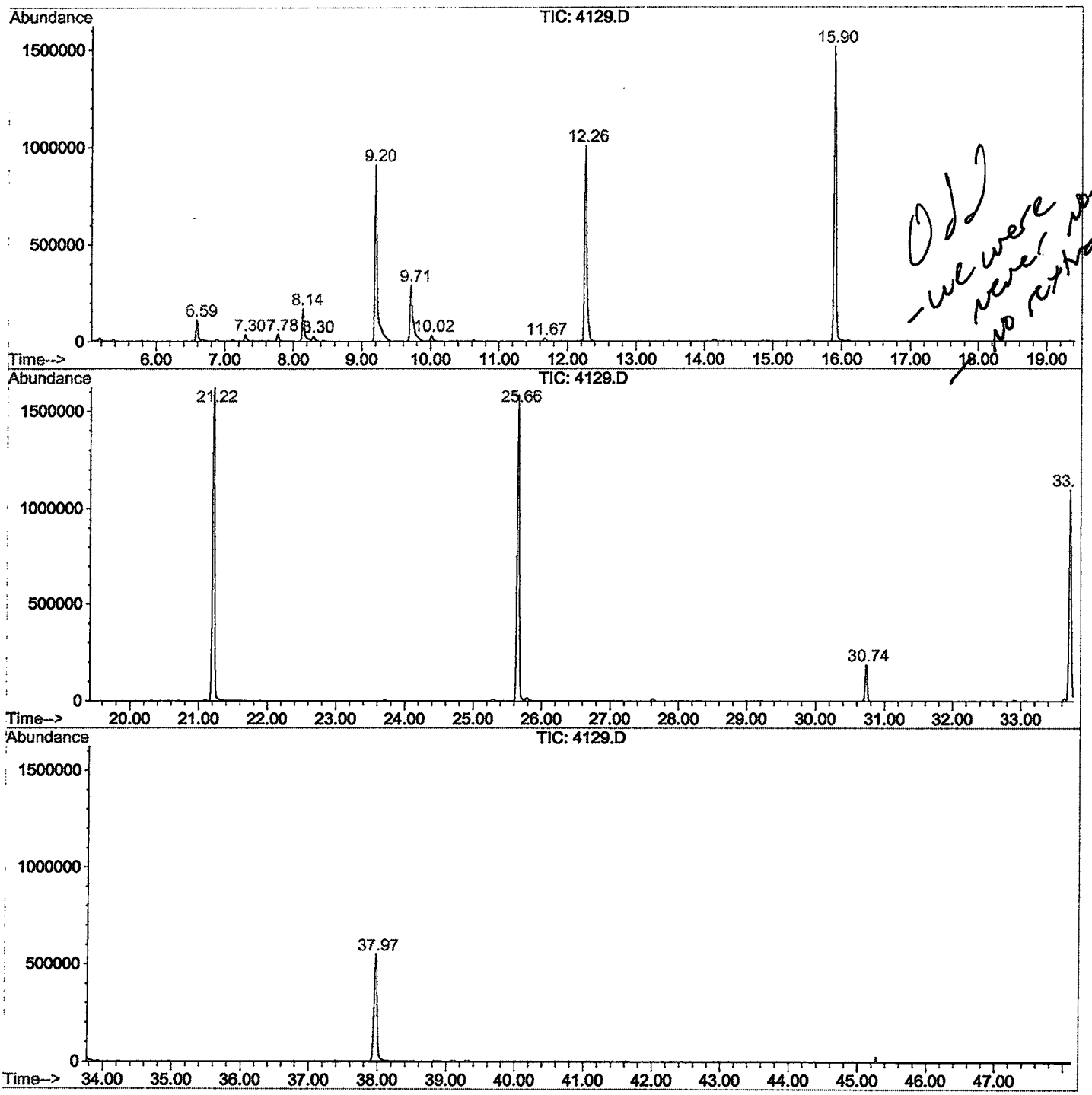
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	6.591	163	168	175	rBV	110191	223654	6.46%	1.077%
2	7.298	241	245	254	rBV	33066	73587	2.13%	0.354%
3	7.775	292	297	309	rBV	35204	83817	2.42%	0.403%
4	8.143	332	337	350	rBV	167431	394300	11.40%	1.898%
5	8.299	350	354	366	rVB	25700	62238	1.80%	0.300%
6	9.198	447	452	478	rBV	908737	2265560	65.49%	10.905%
7	9.712	501	508	530	rBV	289405	890129	25.73%	4.285%
8	10.015	536	541	554	rVB	30248	70086	2.03%	0.337%
9	11.668	716	721	728	rBV2	15546	38516	1.11%	0.185%
10	12.265	780	786	804	rVB	1004465	2311563	66.82%	11.127%
11	15.900	1176	1182	1200	rBV	1515134	3092890	89.40%	14.888%
12	21.215	1754	1761	1774	rBV	1622066	3459553	100.00%	16.653%
13	25.659	2238	2245	2256	rBV	1581844	3347937	96.77%	16.116%
14	30.735	2792	2798	2804	rBV	186365	386269	11.17%	1.859%
15	33.719	3116	3123	3142	rVB	1094709	2419540	69.94%	11.647%
16	37.969	3577	3586	3604	rBV2	545564	1654986	47.84%	7.966%

Sum of corrected areas: 20774625

4129.D GCMS0308.M Wed Mar 27 10:05:58 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAR2202\4129.D
Operator :
Acquired : 23 Mar 2002 7:44 pm using AcqMethod GCMS0308
Instrument : GC/MS 209
Sample Name: gc/ms scan 2/25
Misc Info :
Vial Number: 25
Quant File :GCMS0308.RES (RTE Integrator)



4129.D GCMS0308.M Wed Mar 27 10:06:05 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2202\4129.D Vial: 25
Acq On : 23 Mar 2002 7:44 pm Operator:
Sample : gc/ms scan 2/25 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

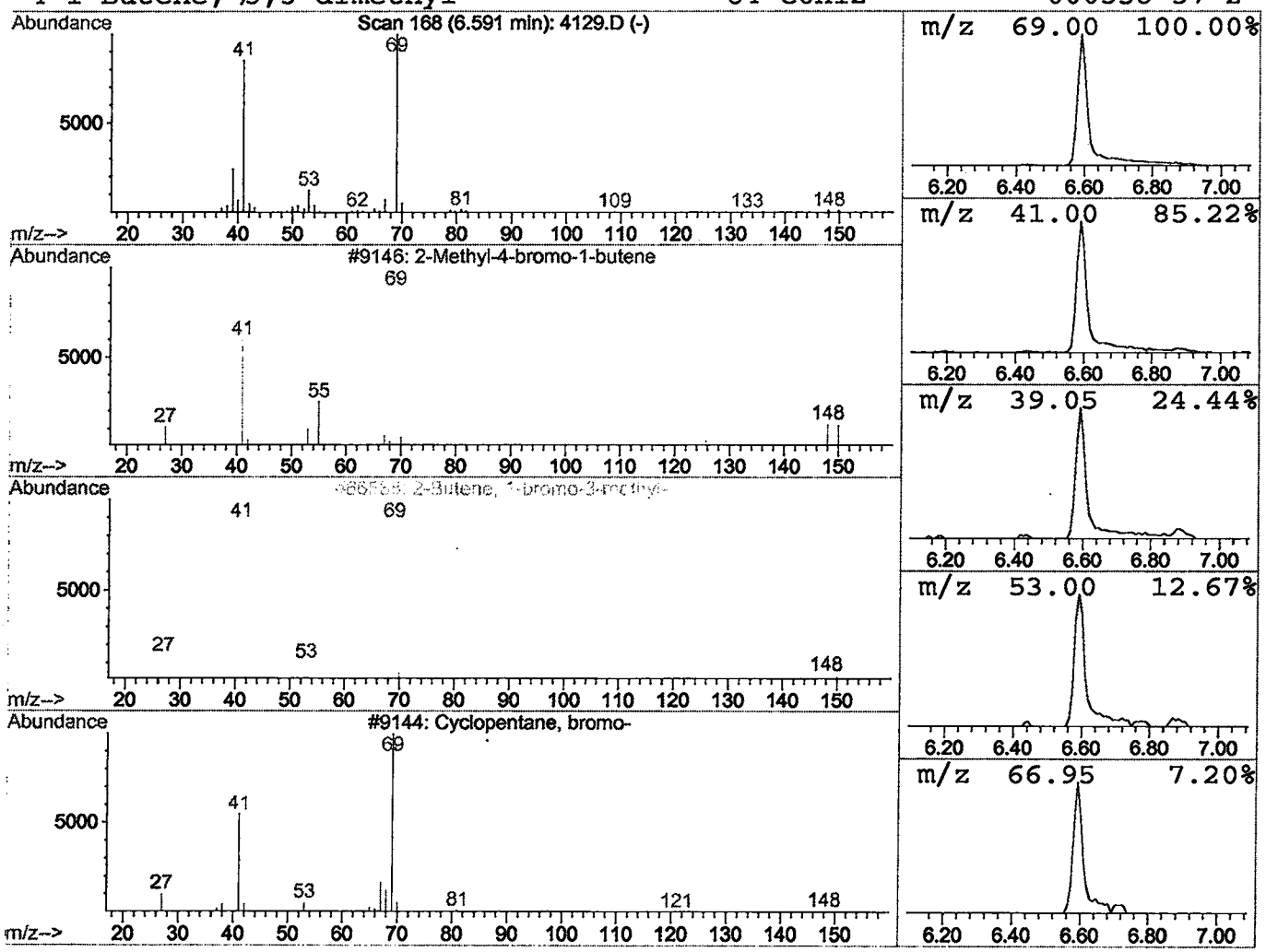
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	1.94 ug/l	223654	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	78
2	2-Butene, 1-bromo-3-methyl-	148	C5H9Br	000870-63-3	74
3	Cyclopentane, bromo-	148	C5H9Br	000137-43-9	45
4	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	43



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2202\4129.D Vial: 25
Acq On : 23 Mar 2002 7:44 pm Operator:
Sample : gc/ms scan 2/25 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

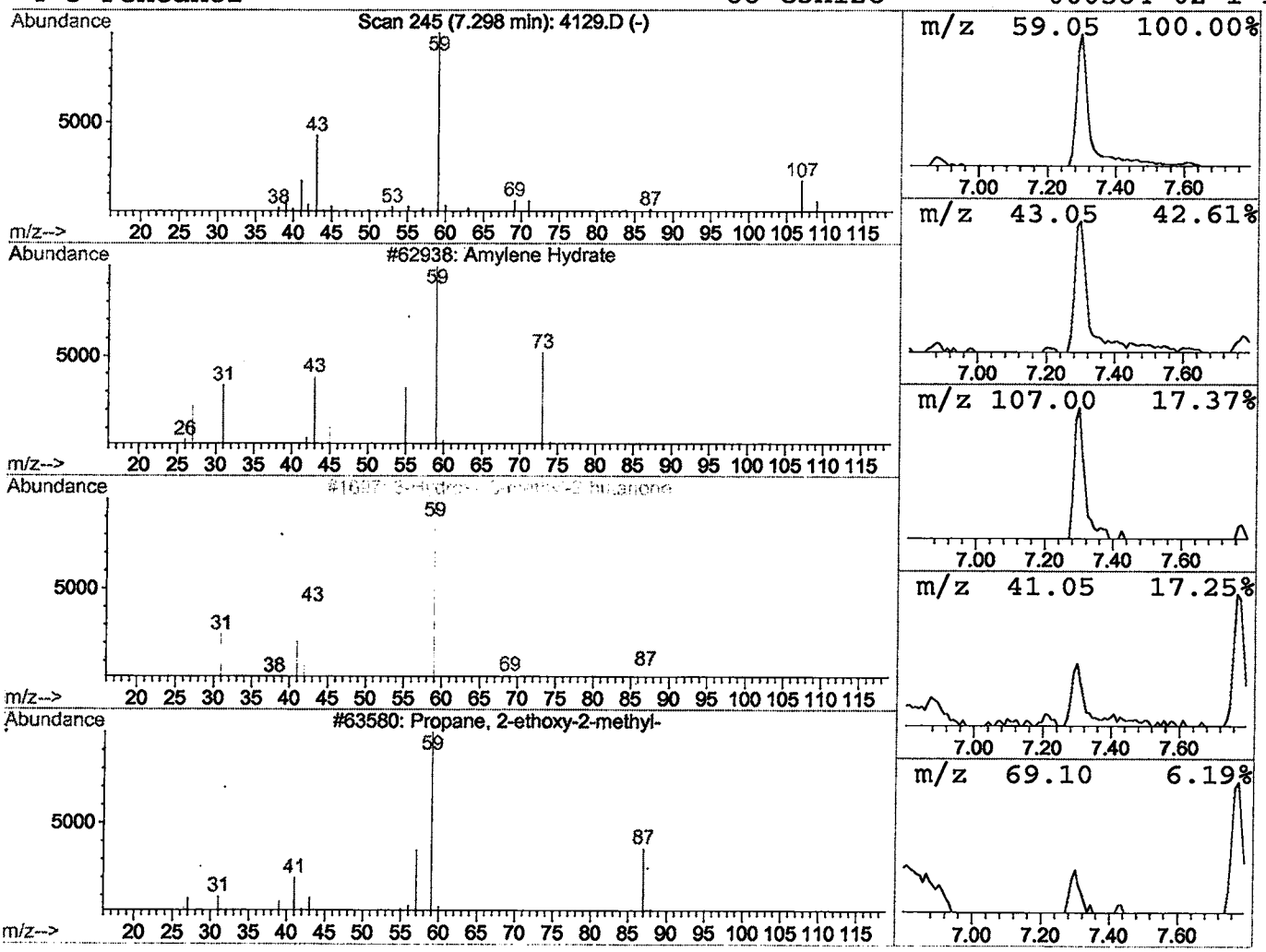
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Amylene Hydrate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.30	0.64 ug/l	73587	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene Hydrate	88	C5H12O	000075-85-4	39
2	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	38
3	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	36
4	3-Pentanol	88	C5H12O	000584-02-1	36



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2202\4129.D Vial: 25
Acq On : 23 Mar 2002 7:44 pm Operator:
Sample : gc/ms scan 2/25 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

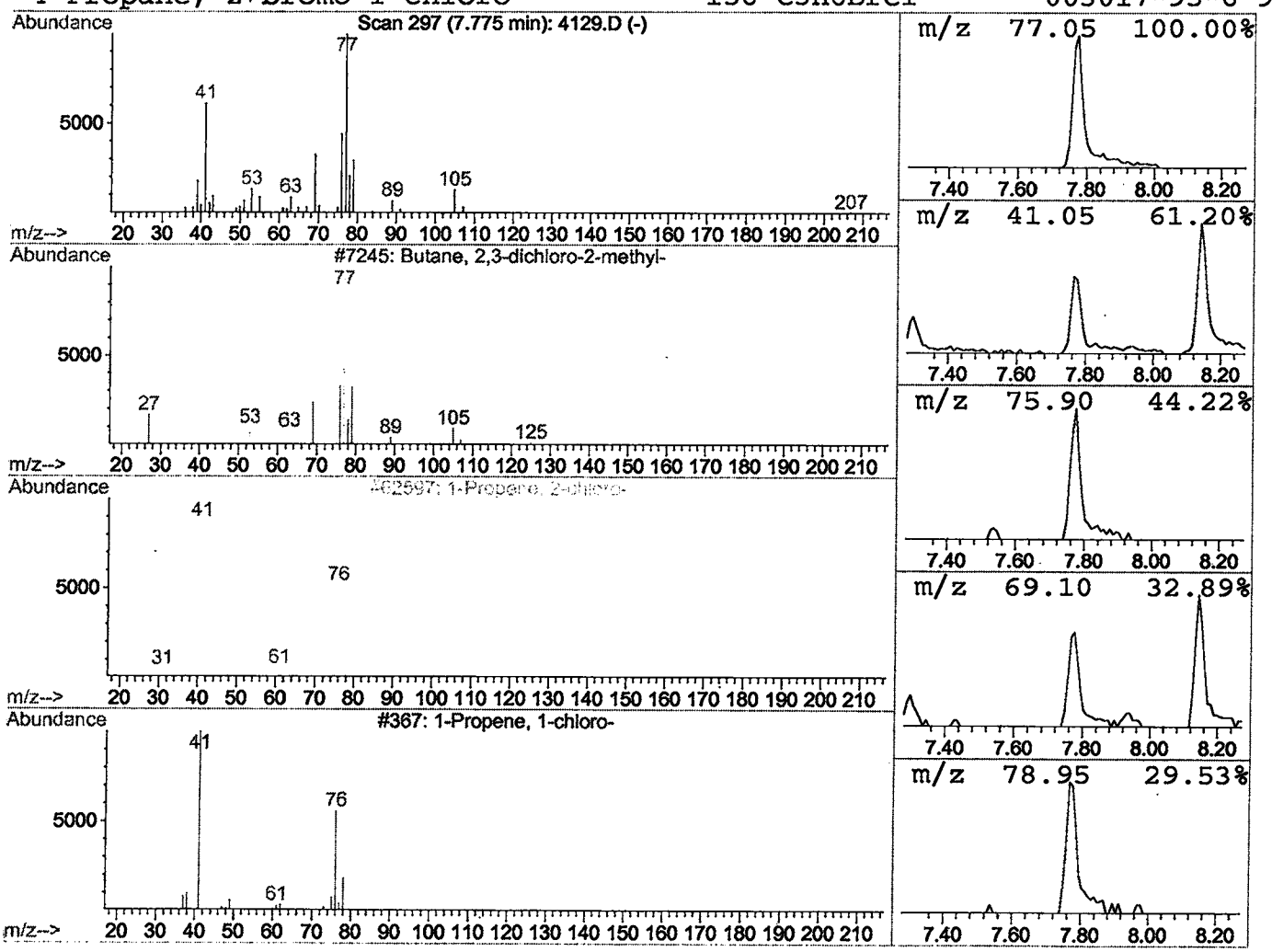
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Butane, 2,3-dichloro-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	0.73 ug/l	83817	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	78
2	1-Propene, 2-chloro-	76	C3H5Cl	000557-98-2	9
3	1-Propene, 1-chloro-	76	C3H5Cl	000590-21-6	9
4	Propane, 2-bromo-1-chloro-	156	C3H6BrCl	003017-95-6	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2202\4129.D
Acq On : 23 Mar 2002 7:44 pm
Sample : gc/ms scan 2/25
Misc :
MS Integration Params: LSCINT.P

Vial: 25
Operator:
Inst : GC/MS 209
Multiplr: 1.00

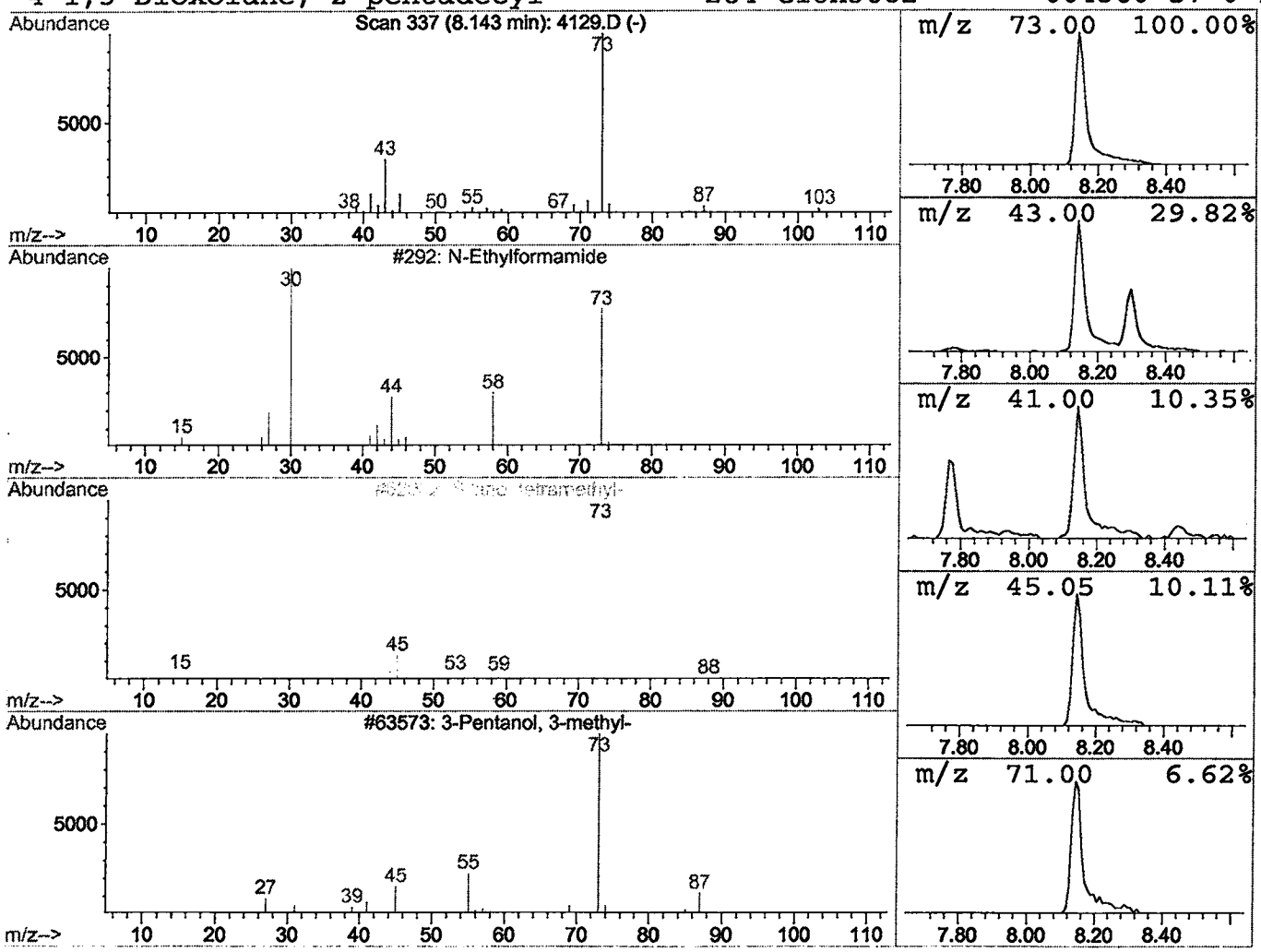
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 N-Ethylformamide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.14	3.41 ug/l	394300	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Ethylformamide	73	C3H7NO	000627-45-2	9
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
3	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9
4	1,3-Dioxolane, 2-pentadecyl-	284	C18H36O2	004360-57-0	9



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Sample : gc/ms scan 2/25 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

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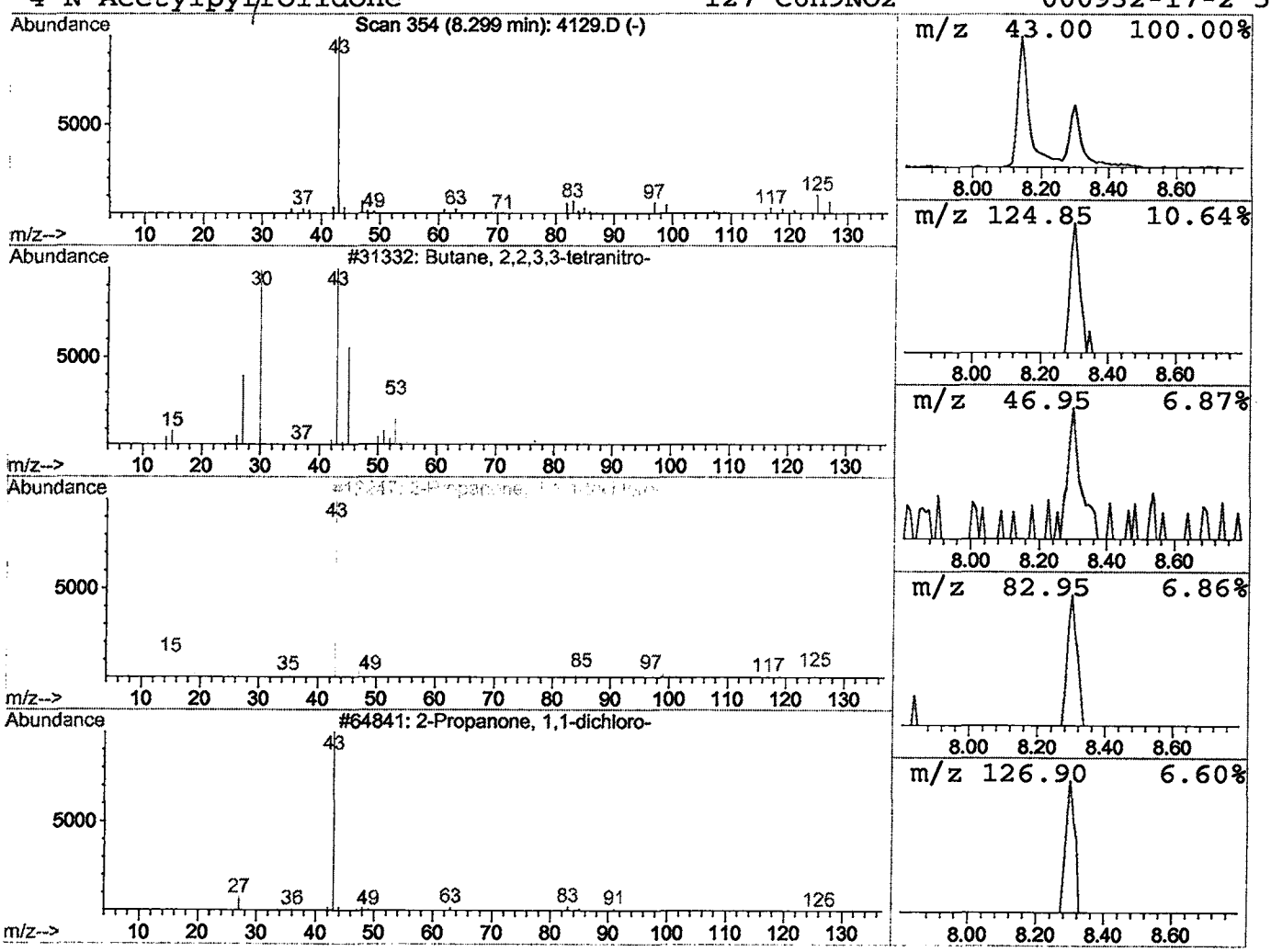
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Butane, 2,2,3,3-tetranitro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.30	0.54 ug/l	62238	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetranitro-	238	C4H6N4O8	020919-97-5	25
2	2-Propanone, 1,1,1-trichloro-	160	C3H3Cl3O	000918-00-3	25
3	2-Propanone, 1,1-dichloro-	126	C3H4Cl2O	000513-88-2	17
4	N-Acetylpyrrolidone	127	C6H9NO2	000932-17-2	5



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Title : 209 625/TCLP calibration table
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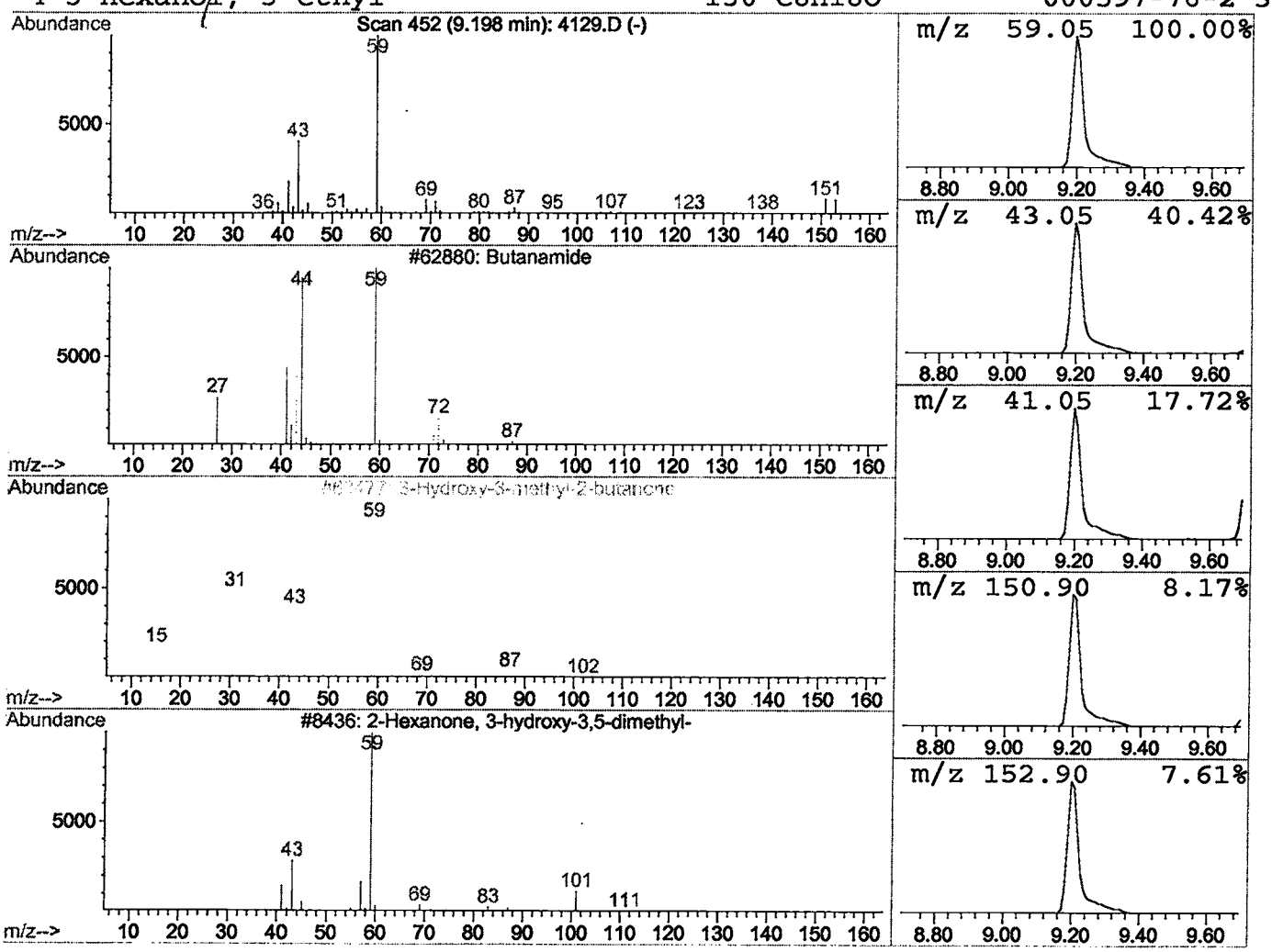
Peak Number 6 Butanamide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	19.60 ug/l	2265560	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanamide	87	C4H9NO	000541-35-5	72
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	40
4	3-Hexanol, 3-ethyl-	130	C8H18O	000597-76-2	39



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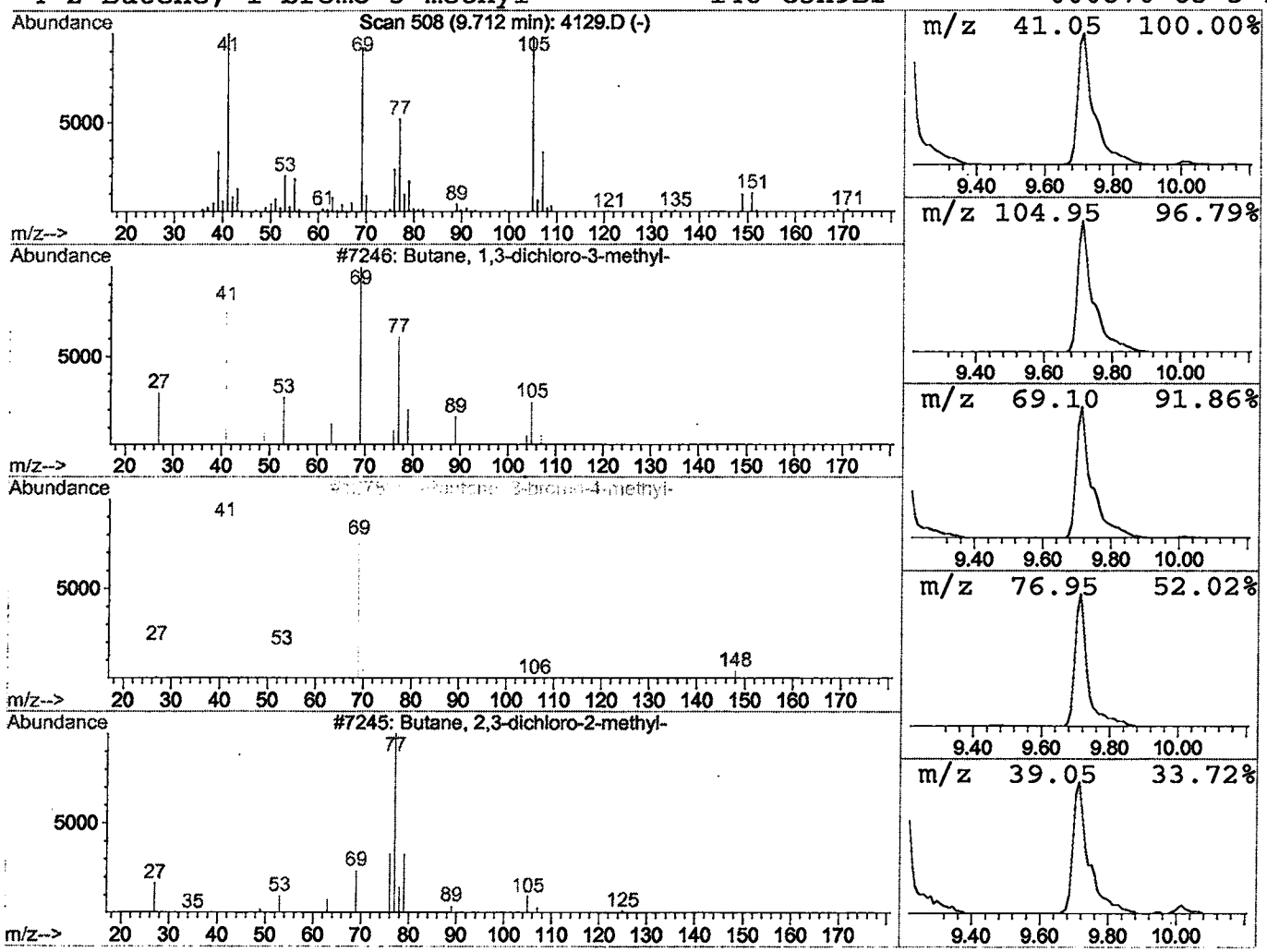
Peak Number 7 Butane, 1,3-dichloro-3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.71	7.70 ug/l	890129	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	Butane, 2,3-dichloro-2-methyl-	140	C5H10Cl2	000507-45-9	22
4	2-Butene, 1-bromo-3-methyl-	148	C5H9Br	000870-63-3	16



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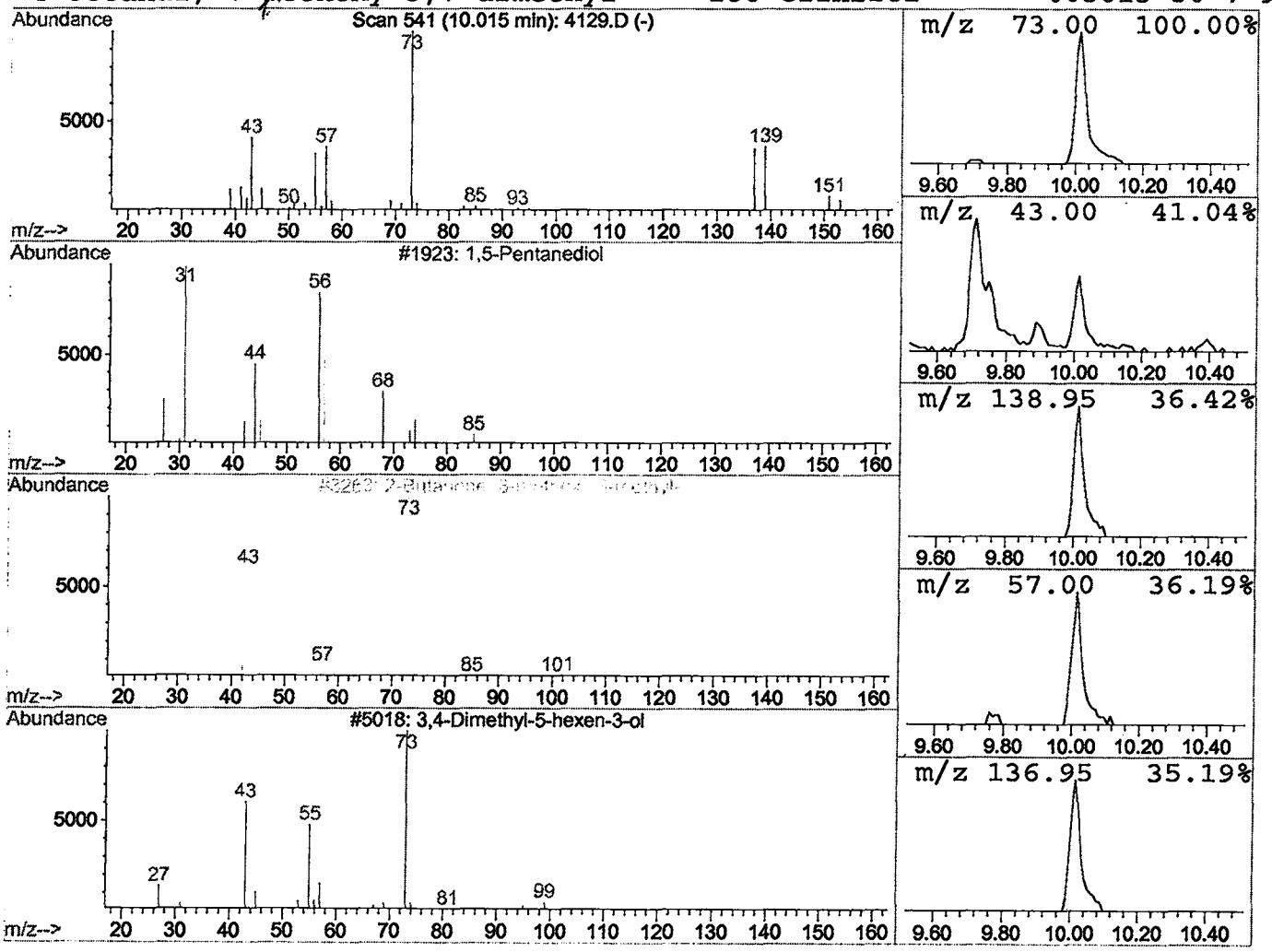
Peak Number 8 1,5-Pentanediol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	0.61 ug/l	70086	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5-Pentanediol	104	C5H12O2	000111-29-5	9
2	2-Butanone, 3-methoxy-3-methyl-	116	C6H12O2	036687-98-6	9
3	3,4-Dimethyl-5-hexen-3-ol	128	C8H16O	000000-00-0	9
4	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	9



Library Search Compound Report

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Sample : gc/ms scan 2/25 Inst : GC/MS 209
Misc : Multiplr: 1.00
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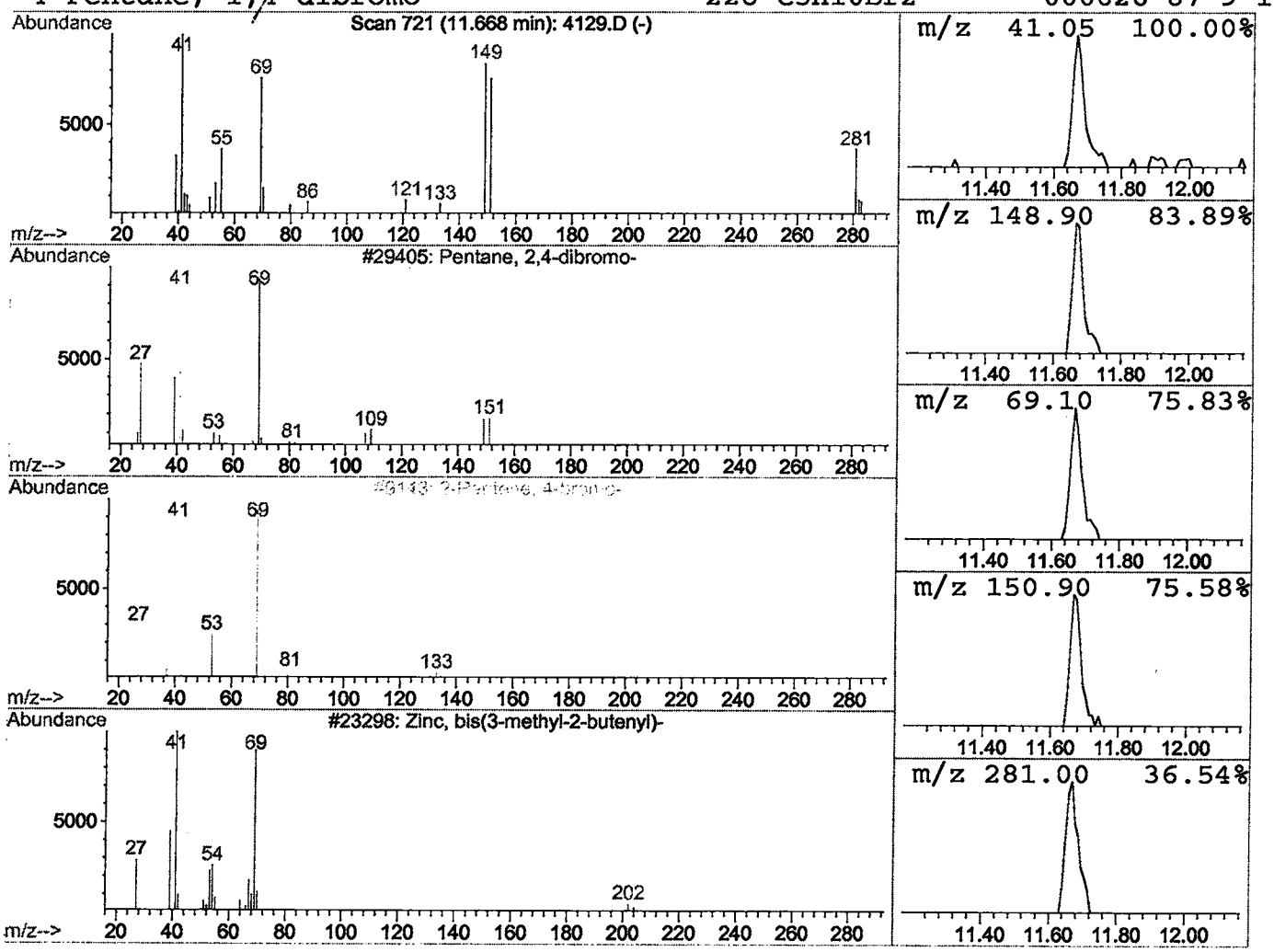
Library : C:\DATABASE\NBS75K.L

****

Peak Number 9 Pentane, 2,4-dibromo- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	0.33 ug/l	38516	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dibromo-	228	C5H10Br2	019398-53-9	12
2	2-Pentene, 4-bromo-	148	C5H9Br	001809-26-3	10
3	Zinc, bis(3-methyl-2-butenyl)-	202	C10H18Zn	066094-28-8	10
4	Pentane, 1,4-dibromo-	228	C5H10Br2	000626-87-9	10



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 23 Mar 2002 7:44 pm
Data File: C:\HPCHEM\1\DATA\MAR2202\4129.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	1.9	ug/l	223654	ISTD01	12.26	2311560	20.0
Amylene Hydrate	7.30	0.6	ug/l	73587	ISTD01	12.26	2311560	20.0
Butane, 2,3-dichloro	7.78	0.7	ug/l	83817	ISTD01	12.26	2311560	20.0
N-Ethylformamide	8.14	3.4	ug/l	394300	ISTD01	12.26	2311560	20.0
Butane, 2,2,3,3-tetr	8.30	0.5	ug/l	62238	ISTD01	12.26	2311560	20.0
Butanamide	9.20	19.6	ug/l	2265560	ISTD01	12.26	2311560	20.0
Butane, 1,3-dichloro	9.71	7.7	ug/l	890129	ISTD01	12.26	2311560	20.0
1,5-Pentanediol	10.02	0.6	ug/l	70086	ISTD01	12.26	2311560	20.0
Pentane, 2,4-dibromo	11.67	0.3	ug/l	38516	ISTD01	12.26	2311560	20.0

4129.D GCMS0308.M Wed Mar 27 10:06:50 2002