Email

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/09/2002 Time: 15:19:10

Sample: AE05515
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/9/02 15:18 Ended: 4/9/02 15:18 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		90		5.0

3/5/02 Vanilla 07130/21950

Something is here Oil? prob not bleed.

Comments for Sample AE05515 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-09-2002 Time: 15:23:55

The GCMS scan, from 35 to 550 amu, reveals the presence of many halogenated compounds from 7.5 minutes to 16.5 minutes, at low levels, and with poor fits.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR0102\5515.D Vial: 6
Acq On : 1 Apr 2002 4:11 pm Operator:
Sample : gc/ms scan 3/11 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 2 8:45 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 29 10:31:28 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.25	152	622568	20.00	ug/l	-0.10
10) Naphthalene-d8	15.88	136	2329665	20.00	ug/l	-0.11
17) Acenaphthene-d10	21.20	164	1299749	20.00	ug/l	-0.11
29) Phenanthrene-d10	25.63	188	1839885	20.00	ug/l	-0.13
38) Chrysene-d12	33.69	240	927725	20.00	ug/l	-0.15
44) Perylene-d12	37.94	264	507719	20.00	ug/l	-0.18
System Monitoring Compounds						
37) 2,4-DDD	30.71	235	82965	4.49	ug/mL	0.21
Spiked Amount 5.000			Recovery = 89.80%			
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	12.29	146	184	N.D.		
5) 1,4-Dichlorobenzene	12.29	146	184	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	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	15.93	128	284	N.D.		
16) Hexachlorobutadiene	16.49	225	196	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	21.55	165	187	N.D.		
25) Diethylphthalate	22.67	149	573	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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Acq On : 1 Apr 2002 4:11 pm Operator:
Sample : gc/ms scan 3/11 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
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Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 29 10:31:28 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	25.63	178	522	N.D.	
34)	Anthracene	25.63	178	522	N.D.	
35)	Di-n-butylphthalate	27.61	149	7226	N.D.	
36)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	30.00	202	113	N.D.	
40)	Butylbenzylphthalate	32.14	149	214	N.D.	
41)	Benzo(a)anthracene	33.70	228	3349	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.91	149	1864	N.D.	
43)	Chrysene	33.77	228	1573	N.D.	
45)	Di-n-Octylphthalate	35.67	149	577	N.D.	
46)	Benzo(b)fluoranthene	36.76	252	1148	N.D.	
47)	Benzo(k)fluoranthene	36.82	252	1349	N.D.	
48)	Benzo(a)pyrene	37.73	252	426	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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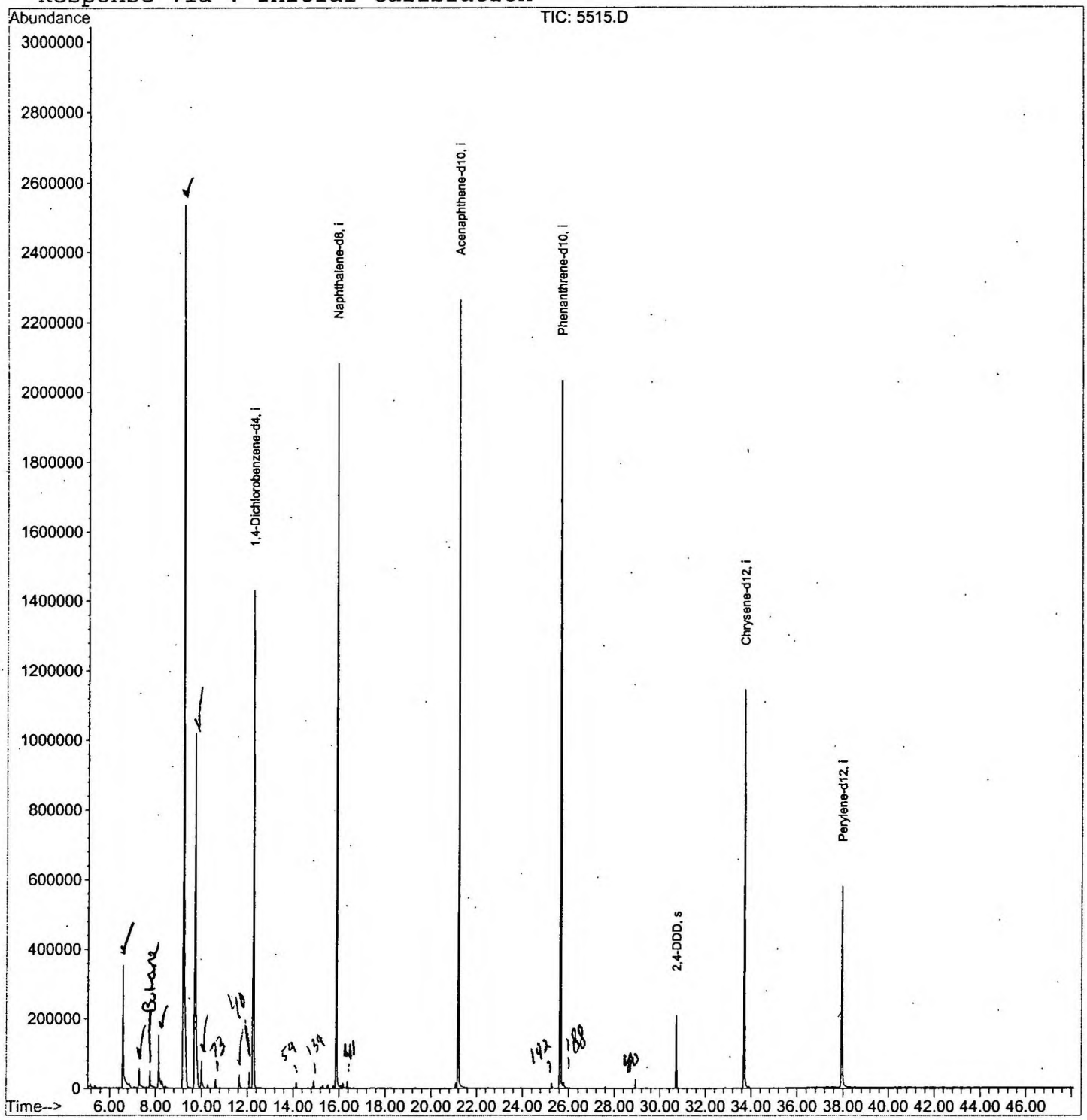
Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR0102\5515.D Vial: 6
Acq On : 1 Apr 2002 4:11 pm Operator:
Sample : gc/ms scan 3/11 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 2 8:45 2002 Quant Results File: GCMS0308.RES

Method : C:\HPCHEM\1\METHODS\GCMS0403.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu Apr 04 09:06:35 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\APR0102\5515.D Vial: 6
Acq On : 1 Apr 2002 4:11 pm Operator:
Sample : gc/ms scan 3/11 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0403.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

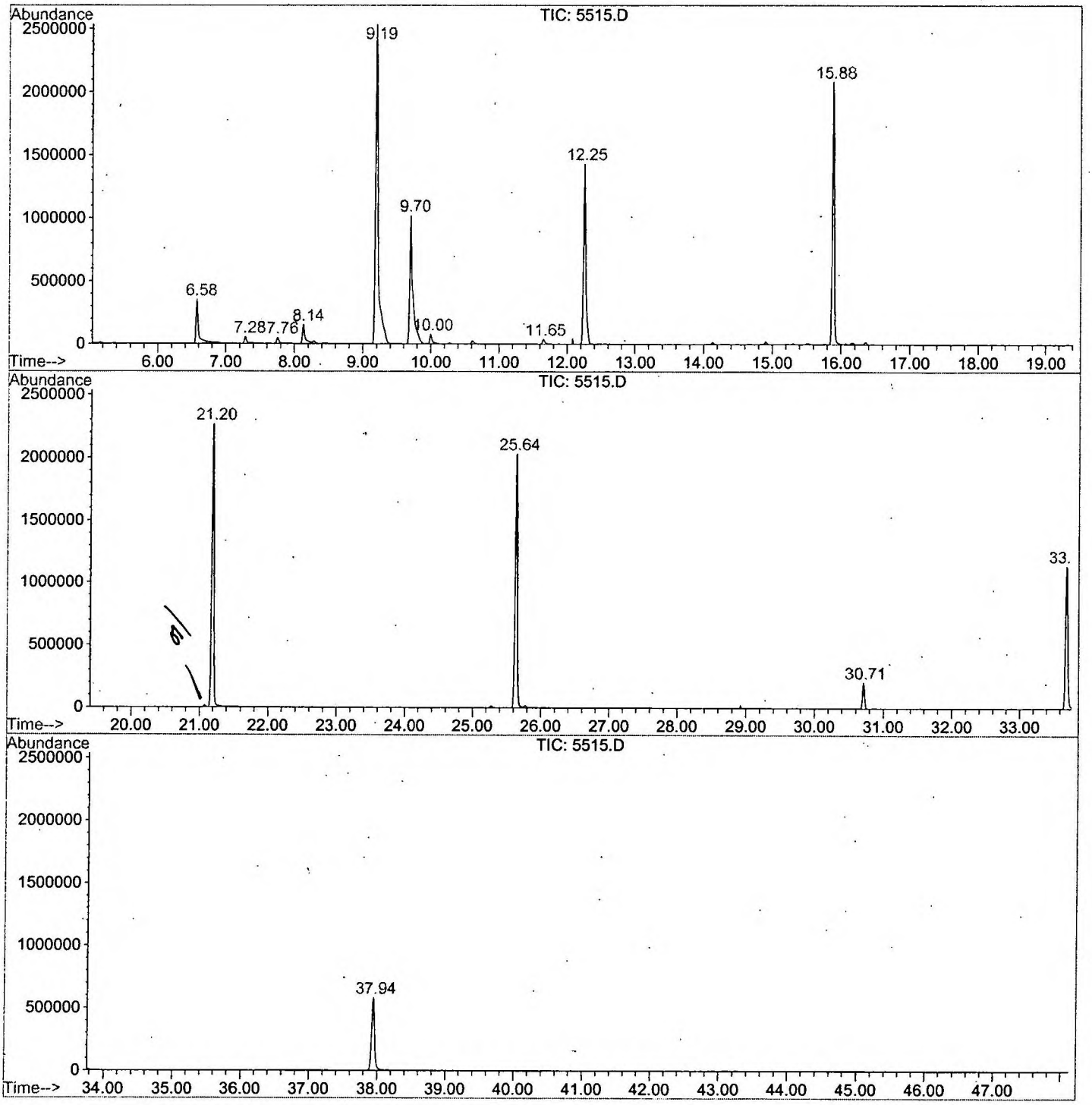
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	6.576	162	167	182	rBV	352255	859216	12.10%	2.485%
2	7.283	239	244	253	rBV	55527	128362	1.81%	0.371%
3	7.760	291	296	308	rBV	48577	127228	1.79%	0.368%
4	8.136	332	337	350	rBV	151164	405640	5.71%	1.173%
5	9.192	446	452	480	rBV	2534222	7102985	100.00%	20.540%
6	9.697	499	507	529	rBV	1018848	3418213	48.12%	9.885%
7	10.000	535	540	554	rVB	77625	198906	2.80%	0.575%
8	11.652	715	720	729	rBV	38672	99316	1.40%	0.287%
9	12.249	780	785	802	rVB	1428853	3378514	47.56%	9.770%
10	15.885	1175	1181	1199	rBV	2083109	4408202	62.06%	12.747%
11	21.200	1753	1760	1772	rBV	2263222	4948650	69.67%	14.310%
12	25.643	2237	2244	2254	rBV2	2034557	4645690	65.40%	13.434%
13	30.711	2791	2796	2804	rVB	209083	409637	5.77%	1.185%
14	33.694	3114	3121	3137	rBV2	1145325	2705431	38.09%	7.823%
15	37.945	3575	3584	3596	rBV2	578407	1745285	24.57%	5.047%

Sum of corrected areas: 34581275

5515.D GCMS0403.M Thu Apr 04 13:52:36 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\APR0102\5515.D
Operator :
Acquired : 1 Apr 2002 4:11 pm using AcqMethod GCMS0308
Instrument : GC/MS 209
Sample Name: gc/ms scan 3/11
Misc Info :
Vial Number: 6
Quant File :GCMS0308.RES (RTE Integrator)



5515.D GCMS0403.M Thu Apr 04 13:52:42 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR0102\5515.D Vial: 6
Acq On : 1 Apr 2002 4:11 pm Operator:
Sample : gc/ms scan 3/11 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

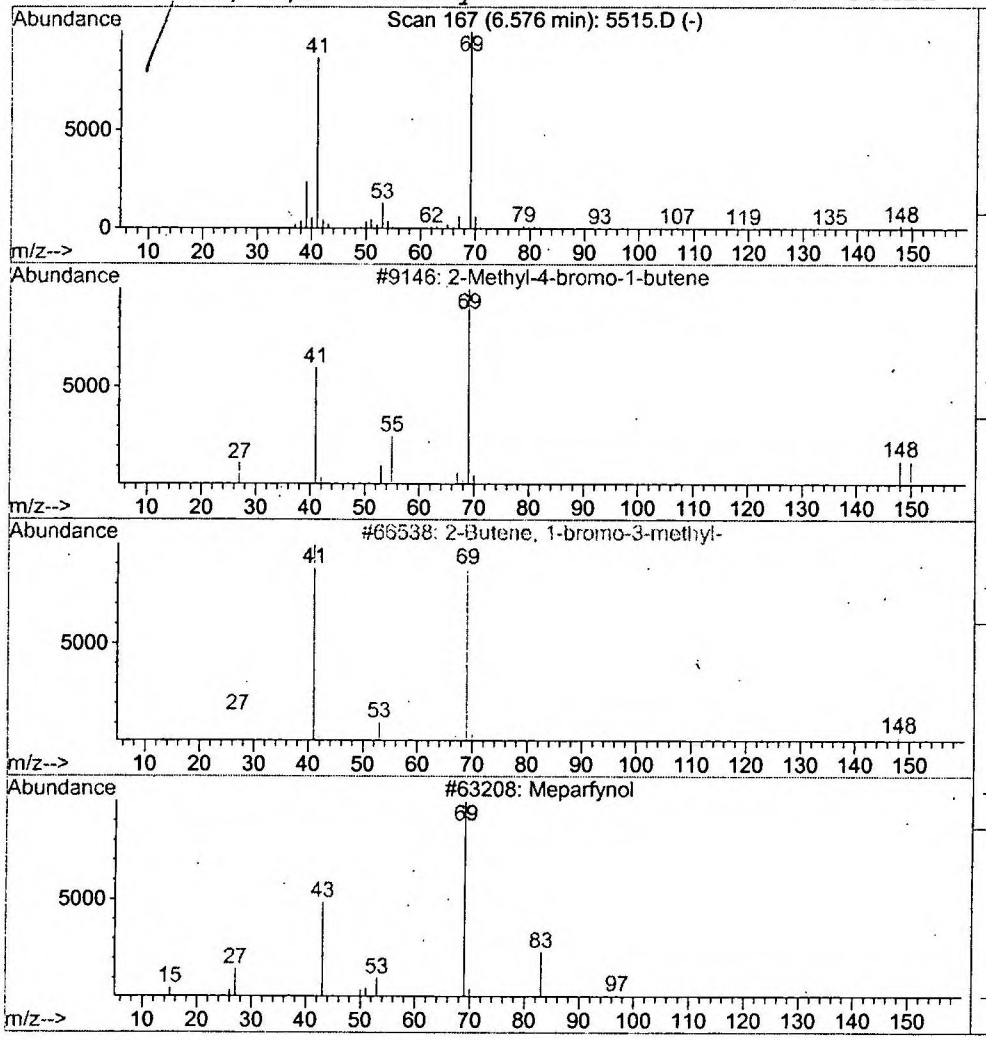
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

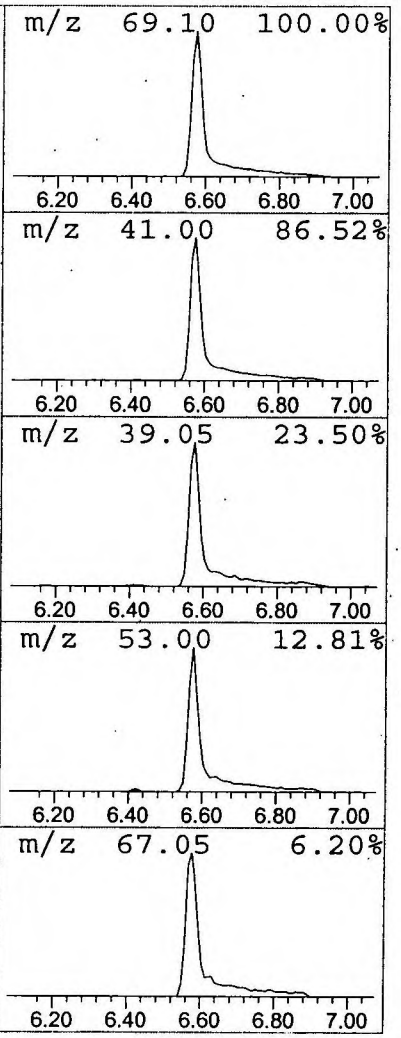
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	5.09 ug/l	859216	1,4-Dichlorobenzene-d4	12.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-4-bromo-1-butene	148	C5H9Br	020038-12-4	64
2	2-Butene, 1-bromo-3-methyl-	148	C5H9Br	000870-63-3	50
3	Meparfynol	98	C6H10O	000077-75-8	45
4	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	43





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR0102\5515.D Vial: 6
Acq On : 1 Apr 2002 4:11 pm Operator:
Sample : gc/ms scan 3/11 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

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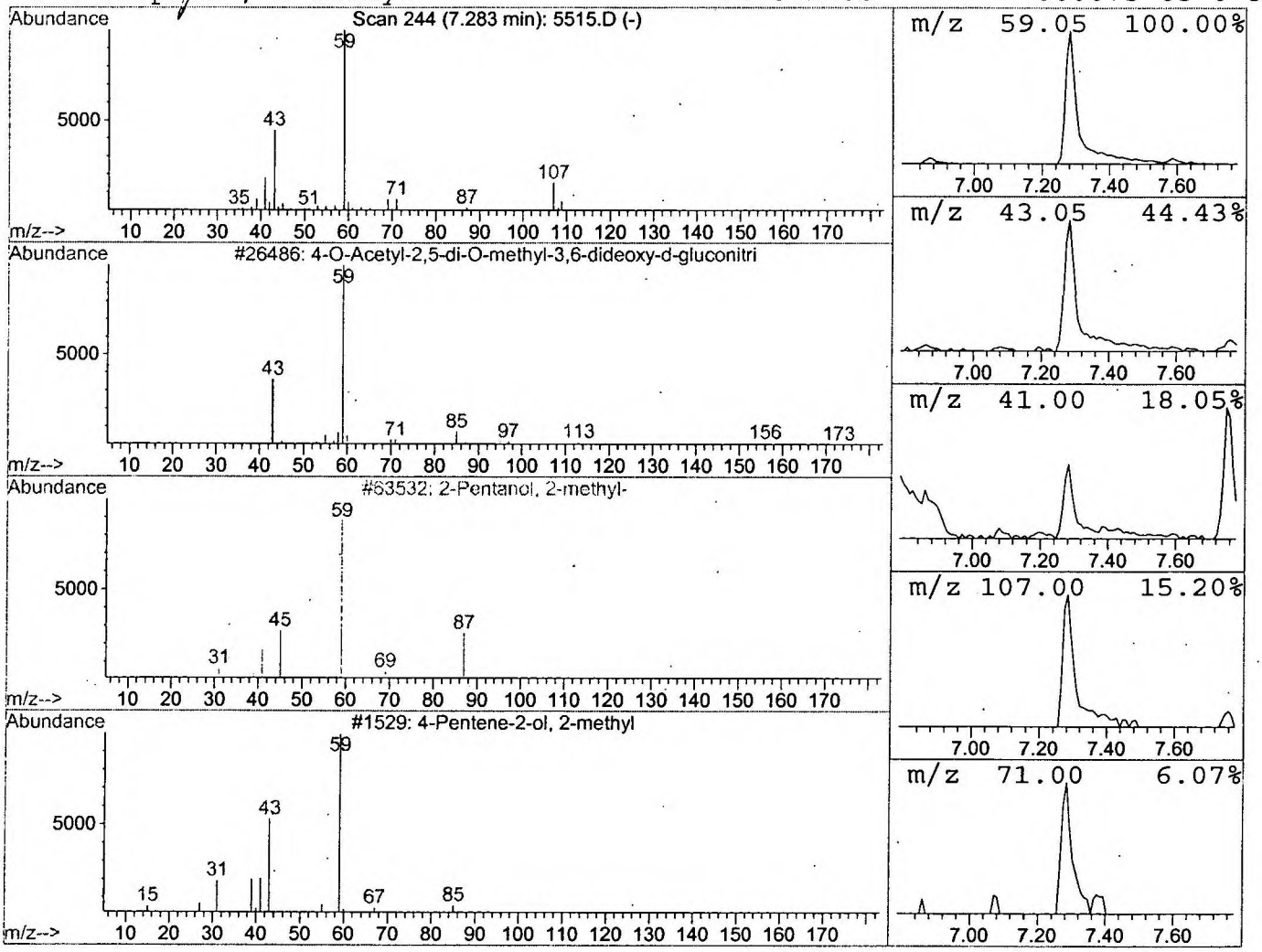
Peak Number 2 4-O-Acetyl-2,5-di-O-methyl-3,6 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.28	0.76 ug/l	128362	1,4-Dichlorobenzene-d4	12.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-O-Acetyl-2,5-di-O-methyl-3,6-dide	215	C10H17NO4	000000-00-0	38
2	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	38
3	4-Pentene-2-ol, 2-methyl	100	C6H12O	000624-97-5	36
4	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	36



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR0102\5515.D Vial: 6
Acq On : 1 Apr 2002 4:11 pm Operator:
Sample : gc/ms scan 3/11 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

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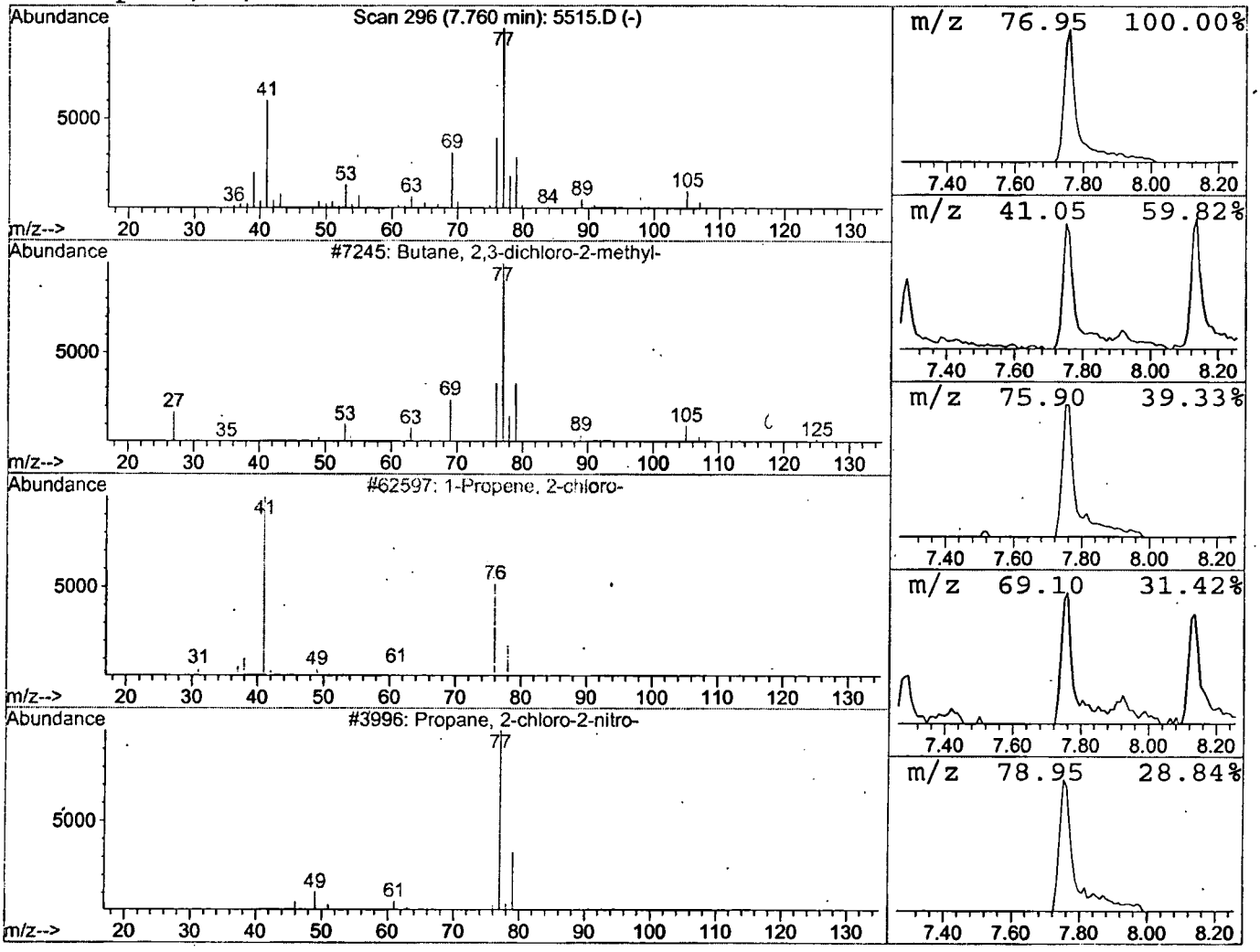
Peak Number 3 Butane, 2,3-dichloro-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	0.75 ug/l	127228	1,4-Dichlorobenzene-d4	12.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dichloro-2-methyl-	140	C5H10Cl2	000507-45-9	83
2	1-Propene, 2-chloro-	76	C3H5Cl	000557-98-2	9
3	Propane, 2-chloro-2-nitro-	123	C3H6ClNO2	000594-71-8	9
4	Propane, 1,1-dichloro-	112	C3H6Cl2	000078-99-9	9



Library Search Compound Report

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Acq On : 1 Apr 2002 4:11 pm Operator:
Sample : gc/ms scan 3/11 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

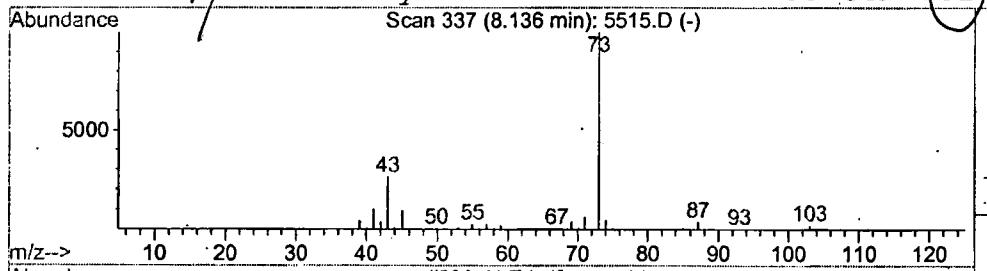
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

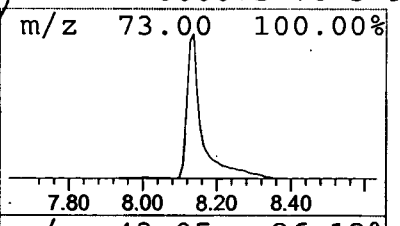
****

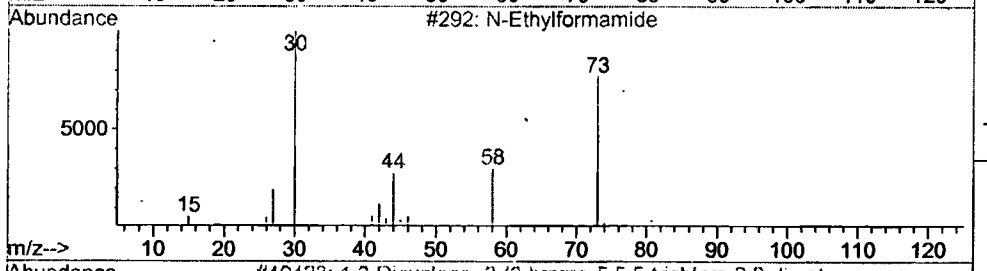
Peak Number 4 N-Ethylformamide Concentration Rank 4

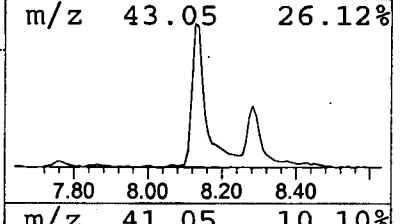
R.T.	EstConc	Area	Relative to ISTD	R.T.
8:14	2.40 ug/l	405640	1,4-Dichlorobenzene-d4	12.25

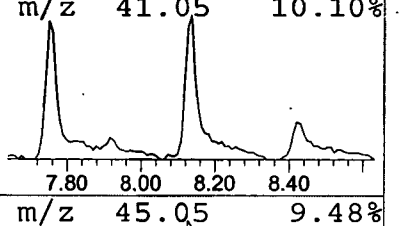
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Ethylformamide	73	C3H7NO	000627-45-2	9
2	1,3-Dioxolane, 2-(3-bromo-5,5,5-tri	352	C10H16BrCl3O2	000000-00-0	9
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9

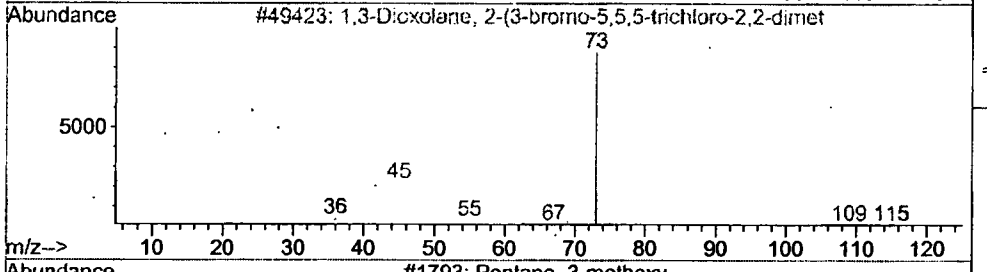


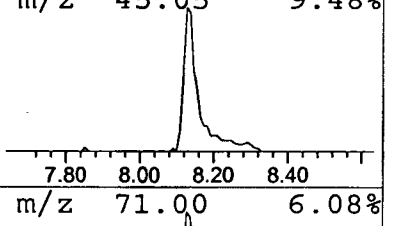


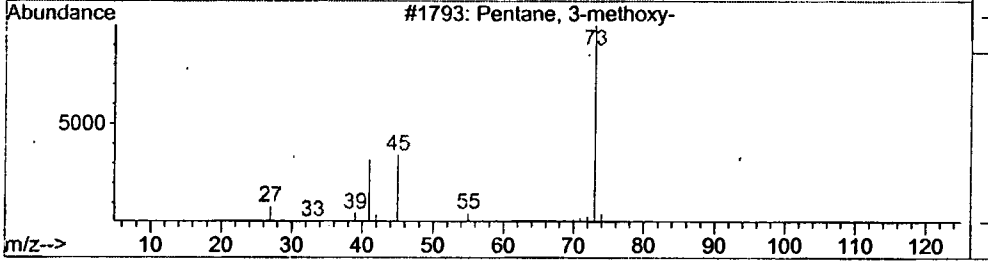


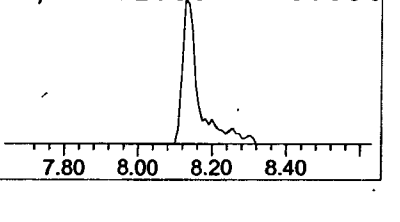












Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR0102\5515.D Vial: 6
Acq On : 1 Apr 2002 4:11 pm Operator:
Sample : gc/ms scan 3/11 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

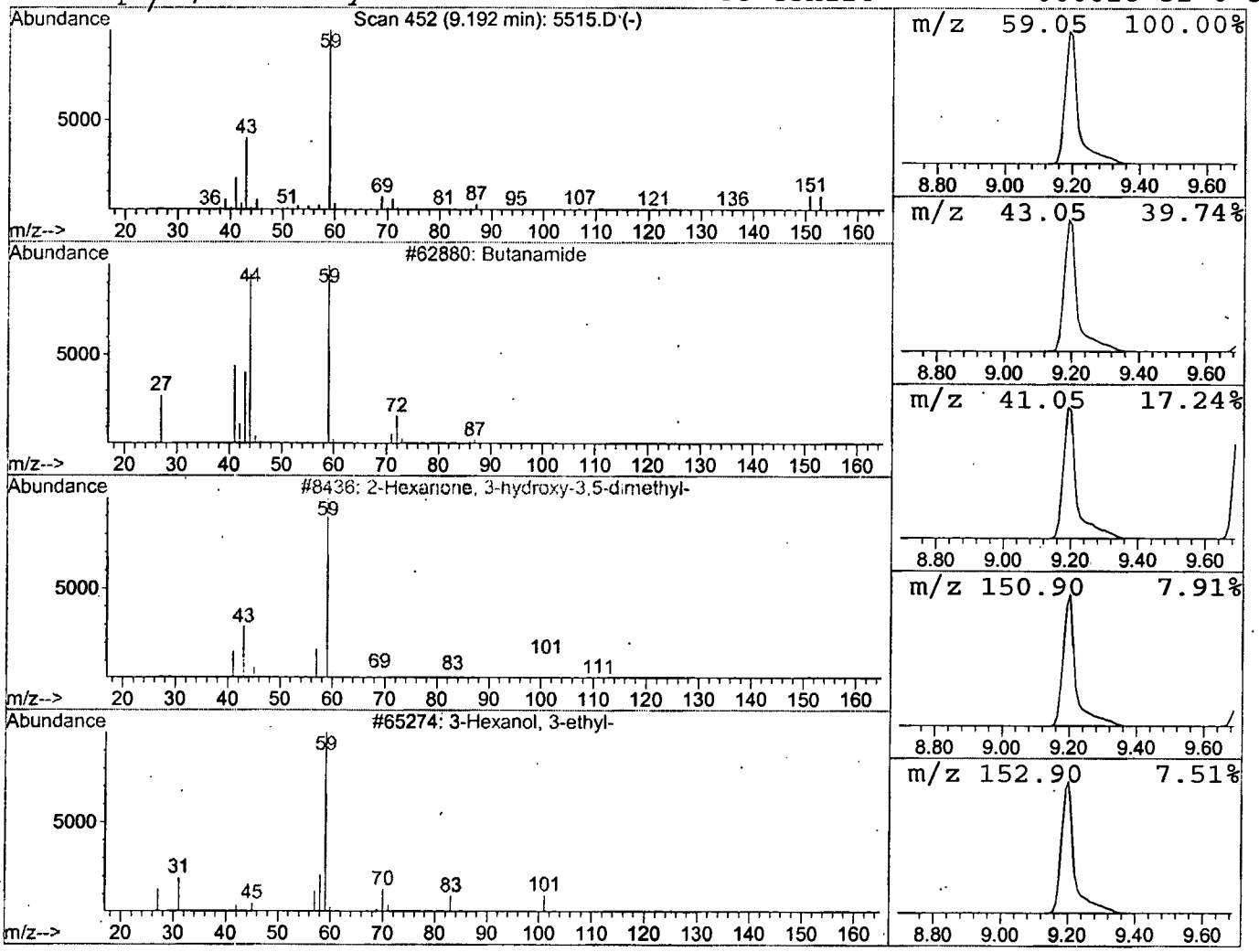
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Butanamide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	42.05 ug/l	7102990	1,4-Dichlorobenzene-d4	12.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanamide	87	C4H9NO	000541-35-5	72
2	2-Hexanone, 3-hydroxy-3,5-dimethyl-	144	C8H16O2	006321-14-8	39
3	3-Hexanol, 3-ethyl-	130	C8H18O	000597-76-2	38
4	Propane, 1-ethoxy-	88	C5H12O	000628-32-0	38



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR0102\5515.D Vial: 6
Acq On : 1 Apr 2002 4:11 pm Operator:
Sample : gc/ms scan 3/11 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

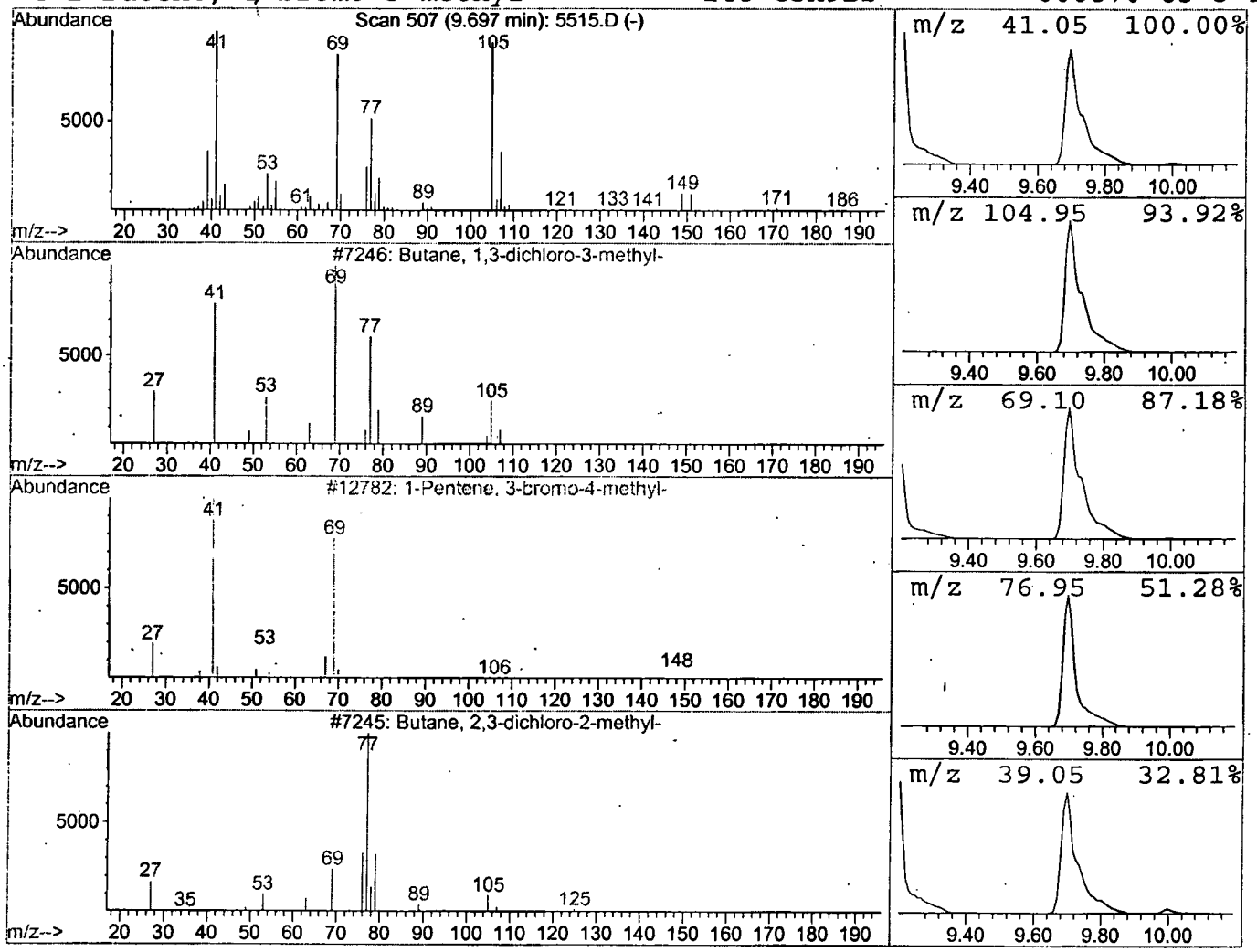
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	20.24 ug/l	3418210	1,4-Dichlorobenzene-d4	12.25

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



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR0102\5515.D Vial: 6
Acq On : 1 Apr 2002 4:11 pm Operator:
Sample : gc/ms scan 3/11 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

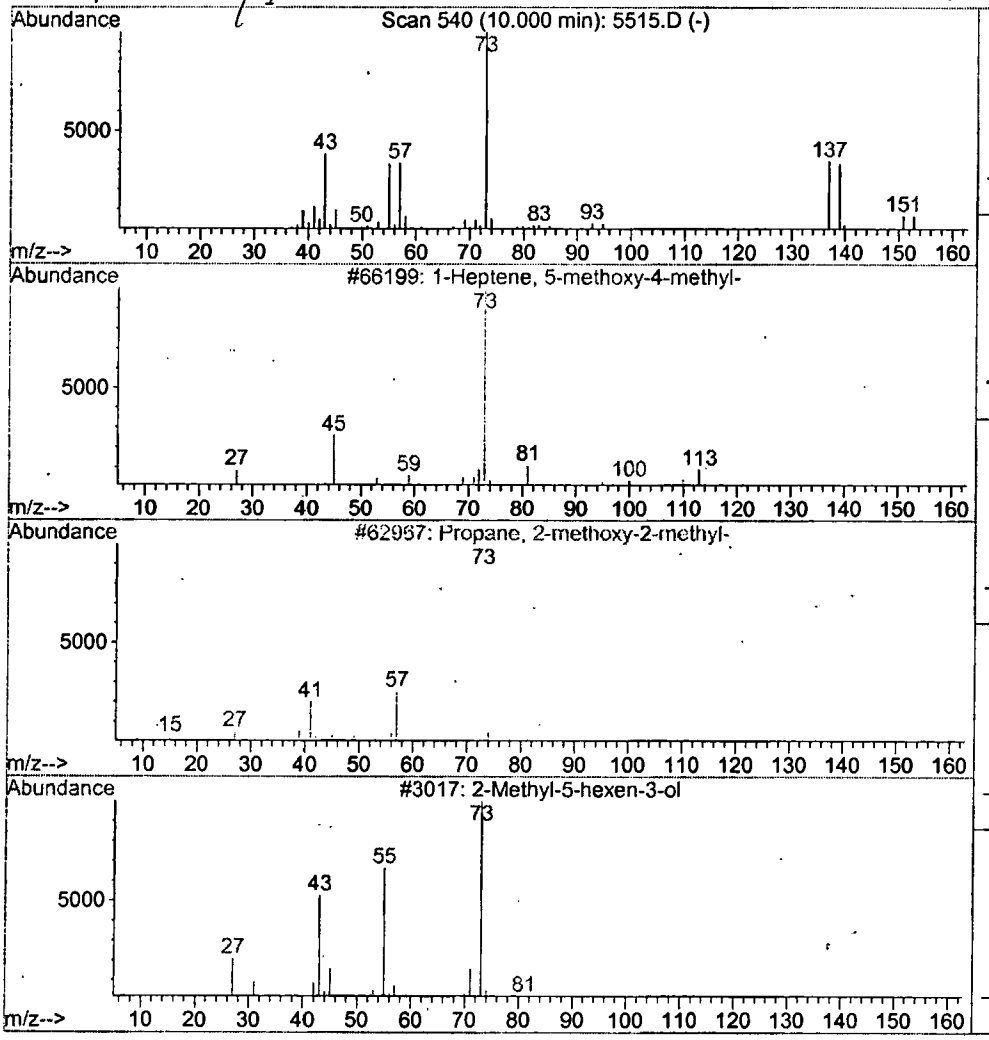
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

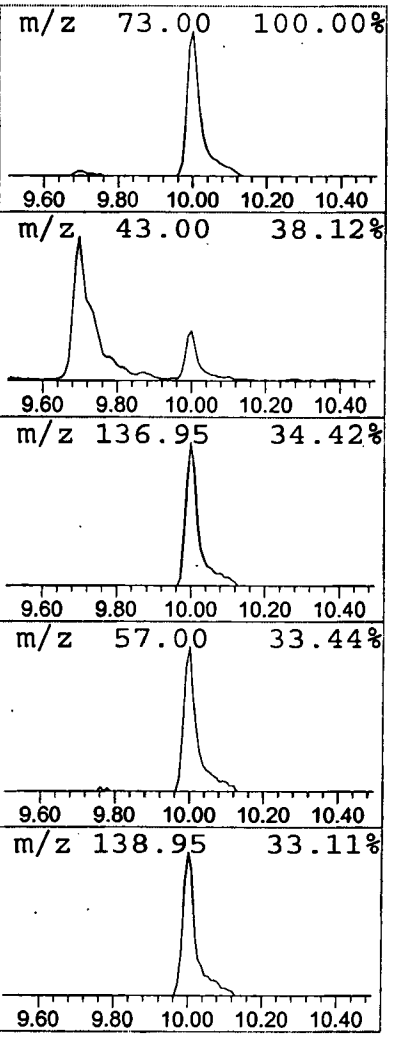
****

Peak Number 7 1-Heptene, 5-methoxy-4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	1.18 ug/l	198906	1,4-Dichlorobenzene-d4	12.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene, 5-methoxy-4-methyl-	142	C9H18O	054004-21-6	9
2	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	9
4	3,5-Dimethyl-5-hexen-3-ol	128	C8H16O	000000-00-0	9





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR0102\5515.D Vial: 6
Acq On : 1 Apr 2002 4:11 pm Operator:
Sample : gc/ms scan 3/11 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

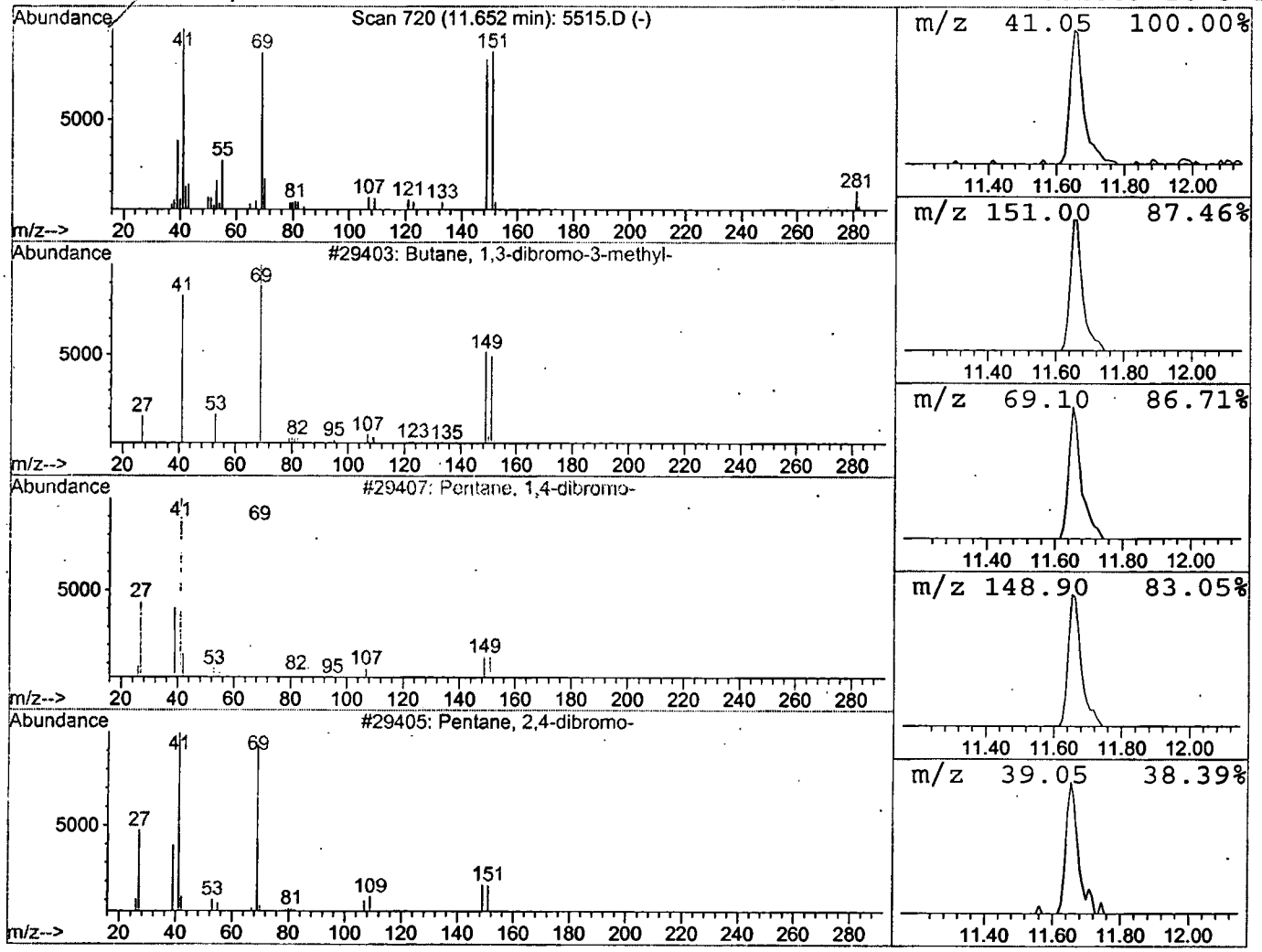
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	0.59 ug/l	99316	1,4-Dichlorobenzene-d4	12.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 1,3-dibromo-3-methyl-	228	C5H10Br2	024443-15-0	43
2	Pentane, 1,4-dibromo-	228	C5H10Br2	000626-87-9	35
3	Pentane, 2,4-dibromo-	228	C5H10Br2	019398-53-9	25
4	2-Pentene, 4-bromo-	148	C5H9Br	001809-26-3	16



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 1 Apr 2002 4:11 pm
Data File: C:\HPCHEM\1\DATA\APR0102\5515.D
Name: gc/ms scan 3/11
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	6.58	5.1	ug/l	859216	ISTD01	12.25	3378510	20.0
4-O-Acetyl-2,5-di-O-	7.28	0.8	ug/l	128362	ISTD01	12.25	3378510	20.0
Butane, 2,3-dichloro	7.76	0.8	ug/l	127228	ISTD01	12.25	3378510	20.0
N-Ethylformamide	8.14	2.4	ug/l	405640	ISTD01	12.25	3378510	20.0
Butanamide	9.19	42.0	ug/l	7102990	ISTD01	12.25	3378510	20.0
Butane, 1,3-dichloro	9.70	20.2	ug/l	3418210	ISTD01	12.25	3378510	20.0
1-Heptene, 5-methoxy	10.00	1.2	ug/l	198906	ISTD01	12.25	3378510	20.0
Butane, 1,3-dibromo-	11.65	0.6	ug/l	99316	ISTD01	12.25	3378510	20.0

5515.D GCMS0403.M Thu Apr 04 13:53:21 2002