User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 02/25/2002 Time: 11:08:14

Sample: AE01043
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 2/25/02 11:07 Ended: 2/25/02 11:07 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		105		5.0

Comments for Sample AE01043 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 02-25-2002 Time: 11:08:17

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 14 of the 43 compounds in the LCS Standard were below their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\FEB1502\1043.D Vial: 29
Acq On : 16 Feb 2002 8:32 pm Operator: 209 GALOS
Sample : gc/ms scan 1/17 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 20 14:08 2002 Quant Results File: GCMS0208.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 13 11:43:23 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0208

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.33	152	244443	20.00	ug/l	-0.02
10) Naphthalene-d8	15.97	136	918853	20.00	ug/l	-0.02
17) Acenaphthene-d10	21.29	164	507245	20.00	ug/l	-0.02
29) Phenanthrene-d10	25.73	188	720421	20.00	ug/l	-0.03
38) Chrysene-d12	33.80	240	457969	20.00	ug/l	-0.04
44) Perylene-d12	38.08	264	306367	20.00	ug/l	-0.04
System Monitoring Compounds						
37) 2,4-DDD	30.81	235	37821	5.23	ug/mL	0.31
Spiked Amount 5.000			Recovery = 104.60%			
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	13.53	77	101	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	16.04	128	635	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	0.00	149	0	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

Data File : C:\HPCHEM\1\DATA\FEB1502\1043.D Vial: 29
Acq On : 16 Feb 2002 8:32 pm Operator: 209 GALOS
Sample : gc/ms scan 1/17 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 20 14:08 2002 Quant Results File: GCMS0208.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 13 11:43:23 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0208

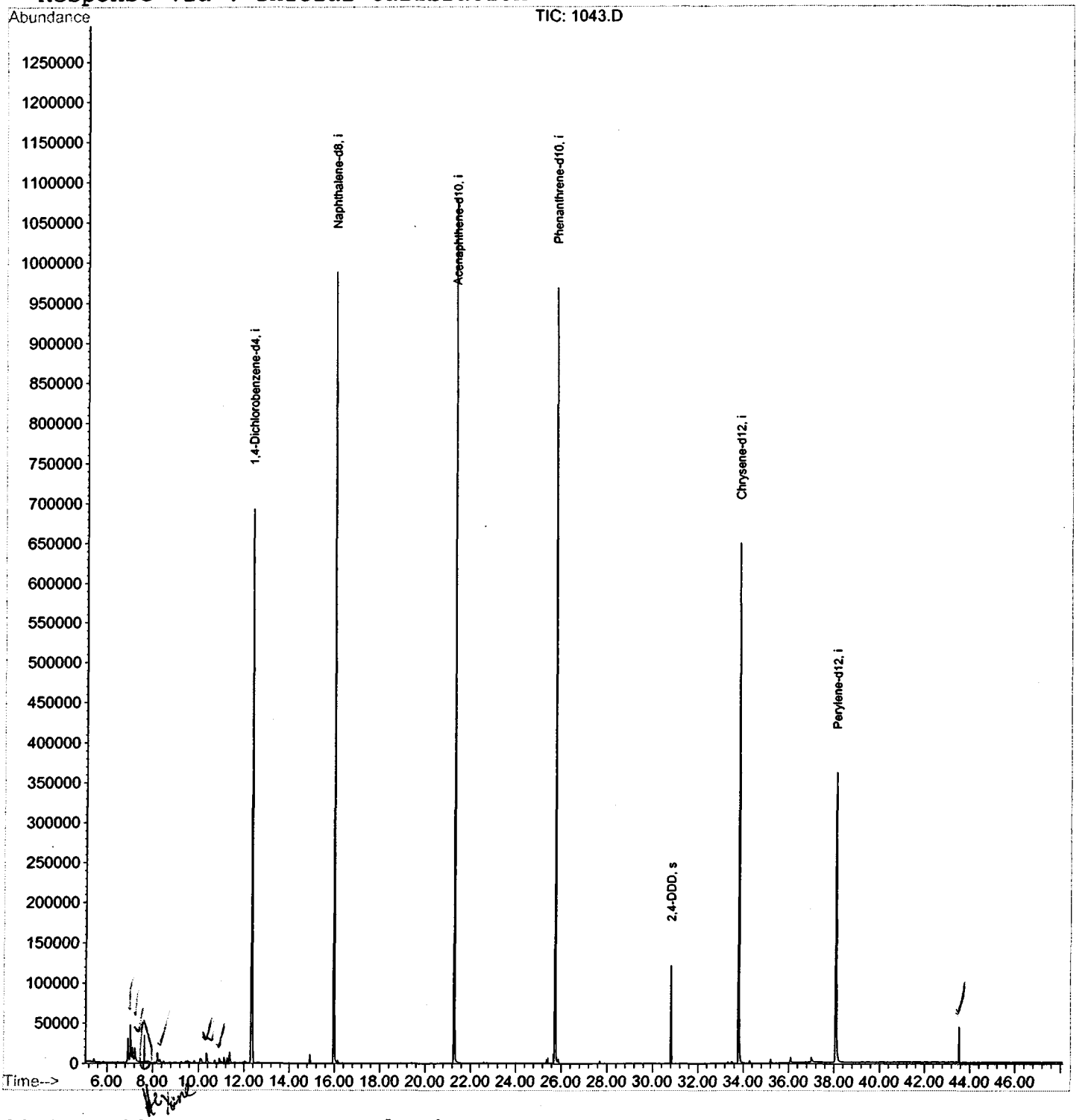
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
31)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
32)	Hexachlorobenzene	0.00	284	0	N.D.	
33)	Phenanthrene	25.73	178	113	N.D.	
34)	Anthracene	0.00	178	0	N.D.	
35)	Di-n-butylphthalate	27.70	149	4791	N.D.	
36)	Fluoranthene	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	33.80	228	1206	N.D.	
42)	Bis(2-ethylhexyl)phthalate	34.00	149	653	N.D.	
43)	Chrysene	33.80	228	1206	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	38.08	252	1319	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

Data File : C:\HPCHEM\1\DATA\FEB1502\1043.D
Acq On : 16 Feb 2002 8:32 pm
Sample : gc/ms scan 1/17
Misc :
MS Integration Params: GOOFY.P
Quant Time: Feb 20 14:08 2002

Vial: 29
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: GCMS0208.RES

Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Feb 13 11:43:23 2002
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\FEB1502\1043.D Vial: 29
Acq On : 16 Feb 2002 8:32 pm Operator: 209 GALOS
Sample : gc/ms scan 1/17 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0208.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

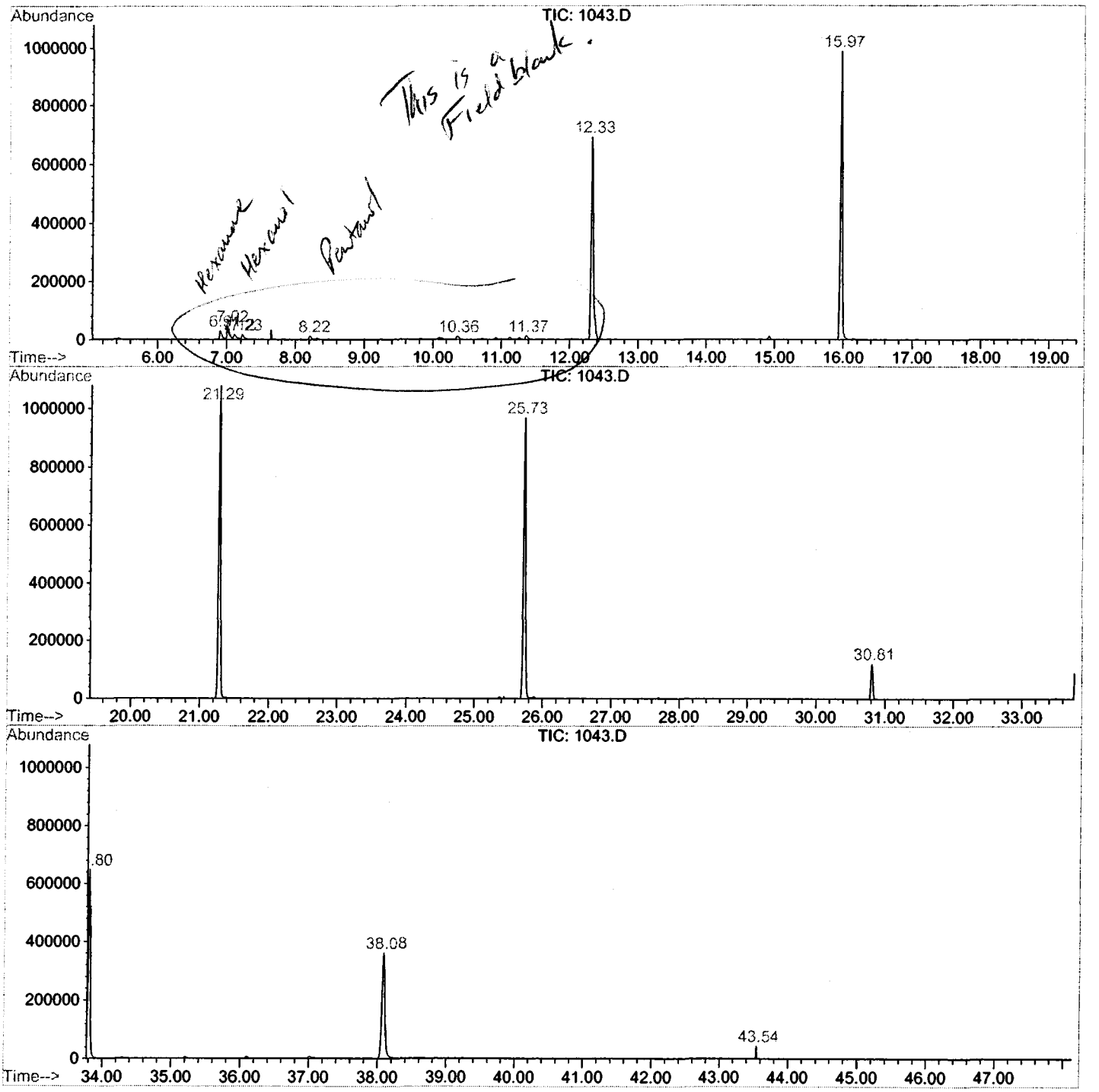
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	6.913	200	204	212	rBV	29520	65662	3.09%	0.614%
2	7.023	212	216	223	rVV	45906	100412	4.72%	0.939%
3	7.115	223	226	235	rVV	17205	45559	2.14%	0.426%
4	7.225	235	238	248	rVB	16517	39664	1.87%	0.371%
5	8.217	342	346	353	rBV	12327	28111	1.32%	0.263%
6	10.356	576	579	593	rVB	11872	31923	1.50%	0.299%
7	11.375	686	690	697	rBV	13207	33998	1.60%	0.318%
8	12.329	789	794	806	rVB	692988	1584758	74.57%	14.825%
9	15.974	1185	1191	1206	rBV	988280	1921751	90.43%	17.978%
10	21.289	1763	1770	1782	rBV	1079759	2125166	100.00%	19.881%
11	25.733	2248	2254	2265	rBV2	969317	2011062	94.63%	18.813%
12	30.809	2802	2807	2812	rBV	122330	226967	10.68%	2.123%
13	33.802	3126	3133	3144	rBV	649955	1394147	65.60%	13.042%
14	38.080	3591	3599	3611	rBV2	360719	1055548	49.67%	9.875%
15	43.543	4193	4194	4196	rBV	44241	24828	1.17%	0.232%

Sum of corrected areas: 10689556

1043.D GCMS0208.M Wed Feb 20 14:28:51 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\FEB1502\1043.D
Operator : 209 GALOS
Acquired : 16 Feb 2002 8:32 pm using AcqMethod GCMS0208
Instrument : GC/MS 209
Sample Name: gc/ms scan 1/17
Misc Info :
Vial Number: 29
Quant File :GCMS0208.RES (RTE Integrator)



1043.D GCMS0208.M Wed Feb 20 14:28:57 2002

Data File : C:\HPCHEM\1\DATA\FEB1502\1043.D Vial: 29
Acq On : 16 Feb 2002 8:32 pm Operator: 209 GALOS
Sample : gc/ms scan 1/17 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

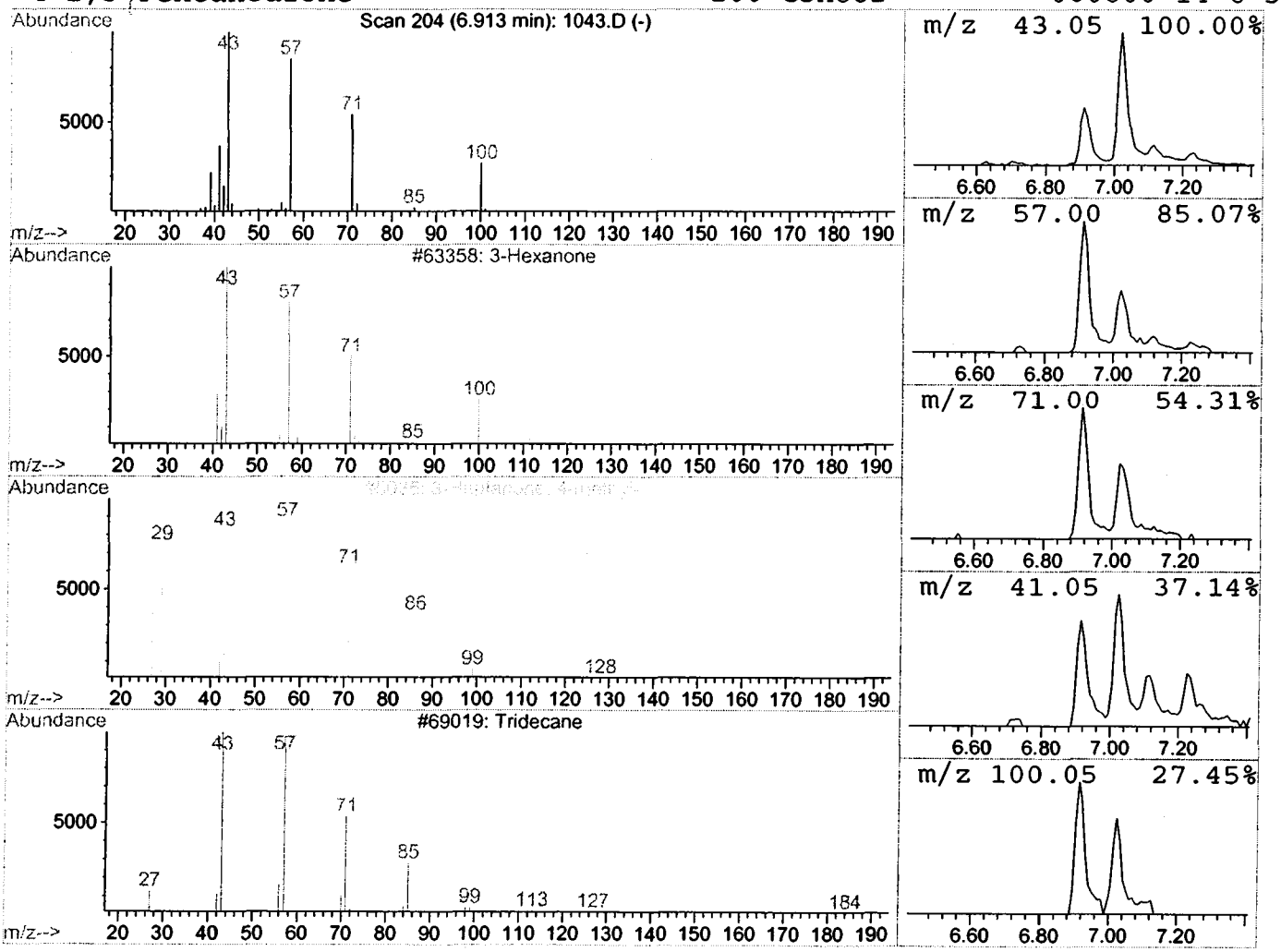
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 3-Hexanone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.91	0.83 ug/l	65662	1,4-Dichlorobenzene-d4	12.33

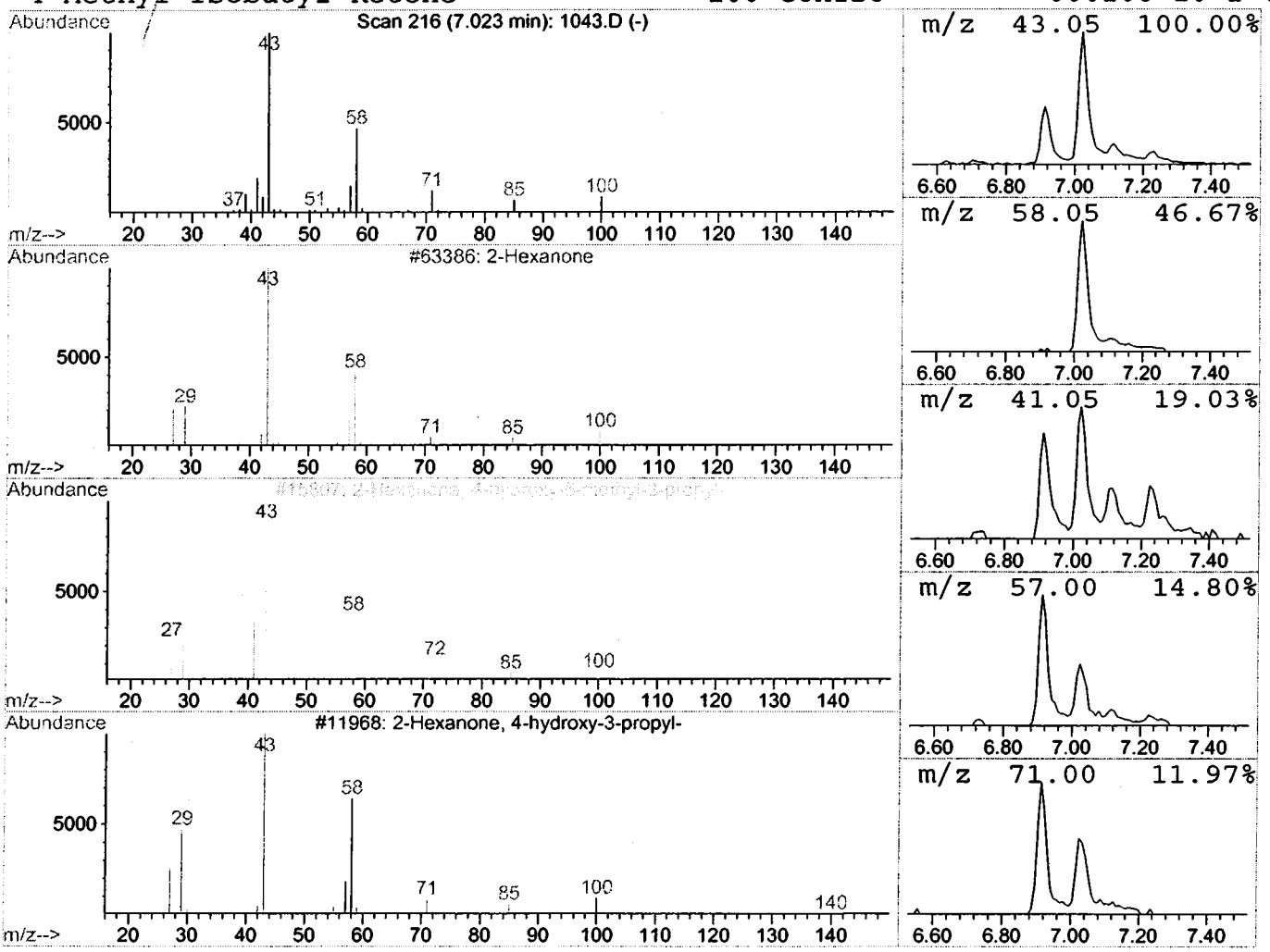
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone	100	C6H12O	000589-38-8	91
2	3-Heptanone, 4-methyl-	128	C8H16O	006137-11-7	38
3	Tridecane	184	C13H28	000629-50-5	38
4	2,3-Pentanedione	100	C5H8O2	000600-14-6	35



```
Data File : C:\HPCHEM\1\DATA\FEB1502\1043.D              Vial: 29
Acq On    : 16 Feb 2002    8:32 pm                   Operator: 209  GALOS
Sample    : gc/ms scan 1/17                          Inst    : GC/MS 209
Misc      :                                          Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title        : 209 625/TCLP calibration table
Library      : C:\DATABASE\NBS75K.L
**********************************************************************
Peak Number  2  2-Hexanone                          Concentration Rank  1
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	1.27 ug/l	100412	1,4-Dichlorobenzene-d4	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone	100	C6H12O	000591-78-6	86
2	2-Hexanone, 4-hydroxy-5-methyl-3-pr	172	C10H20O2	061141-74-0	64
3	2-Hexanone, 4-hydroxy-3-propyl-	158	C9H18O2	062338-17-4	50
4	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	47



Data File : C:\HPCHEM\1\DATA\FEB1502\1043.D
Acq On : 16 Feb 2002 8:32 pm
Sample : gc/ms scan 1/17
Misc :
MS Integration Params: LSCINT.P

Vial: 29
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

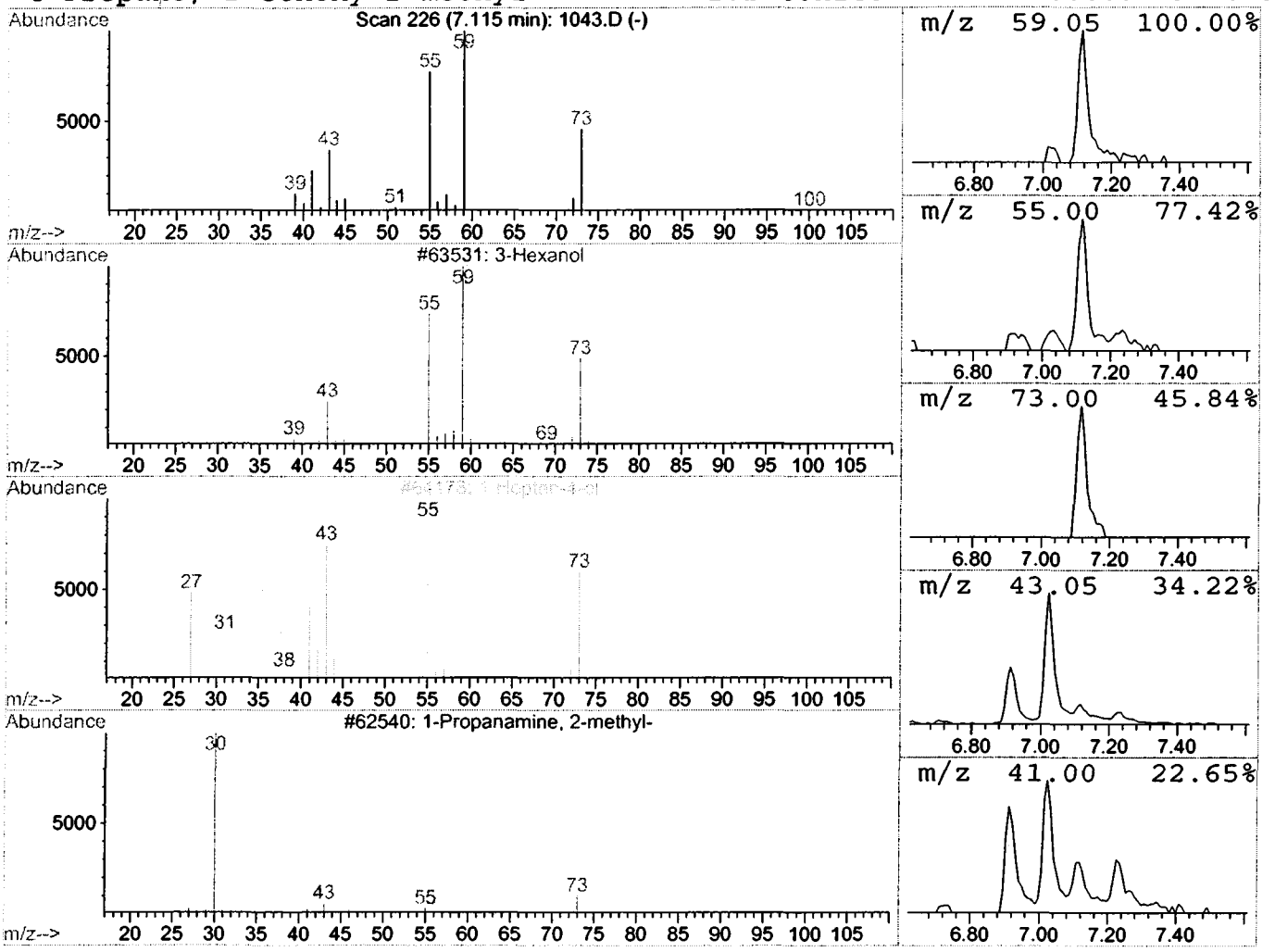
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 3-Hexanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	0.57 ug/l	45559	1,4-Dichlorobenzene-d4	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol	102	C6H14O	000623-37-0	83
2	1-Hepten-4-ol	114	C7H14O	003521-91-3	10
3	1-Propanamine, 2-methyl-	73	C4H11N	000078-81-9	9
4	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	9



Data File : C:\HPCHEM\1\DATA\FEB1502\1043.D
Acq On : 16 Feb 2002 8:32 pm
Sample : gc/ms scan 1/17
Misc :
MS Integration Params: LSCINT.P

Vial: 29
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

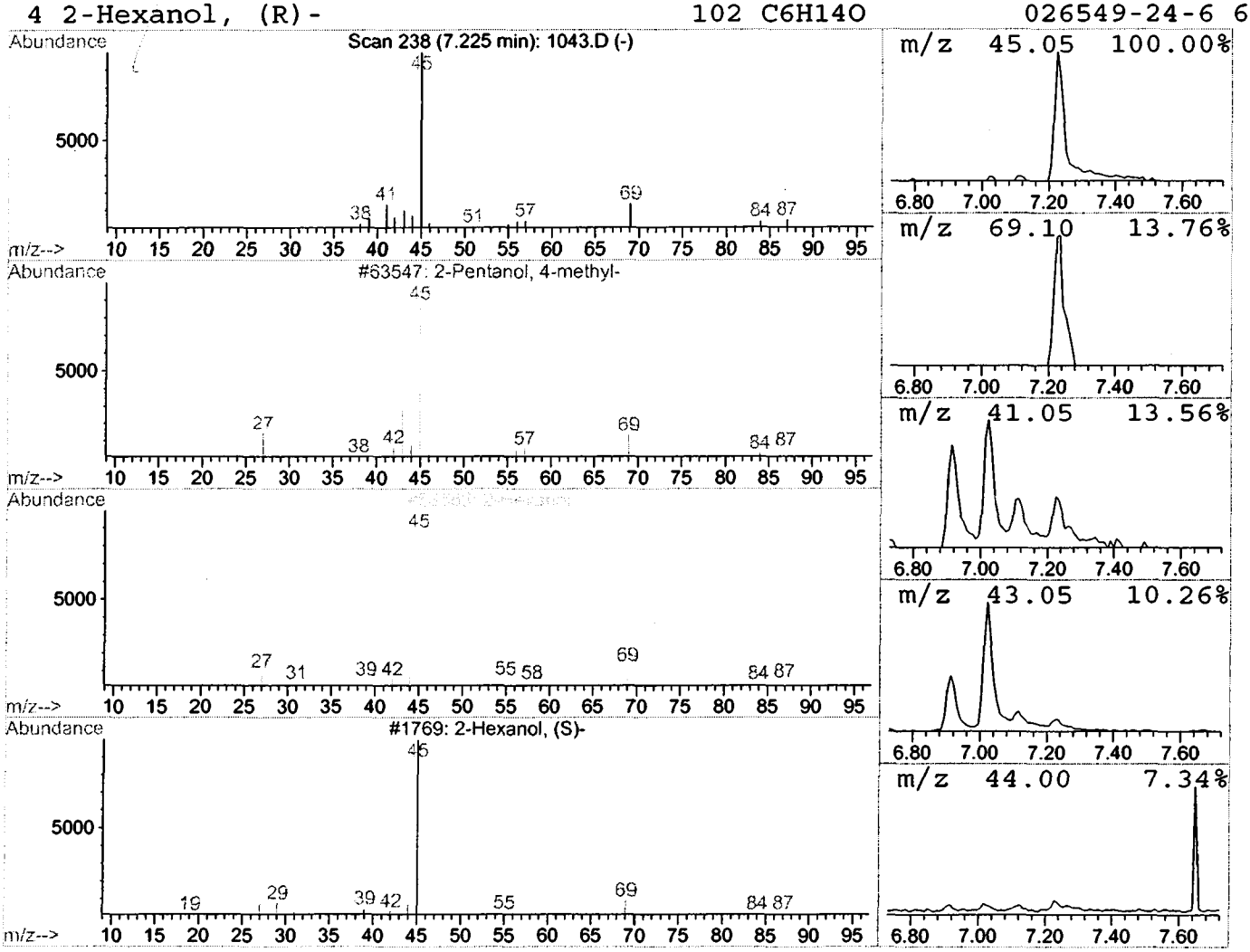
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 2-Pentanol, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.23	0.50 ug/l	39664	1,4-Dichlorobenzene-d4	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	83
2	2-Hexanol	102	C6H14O	000626-93-7	83
3	2-Hexanol, (S)-	102	C6H14O	052019-78-0	64
4	2-Hexanol, (R)-	102	C6H14O	026549-24-6	64



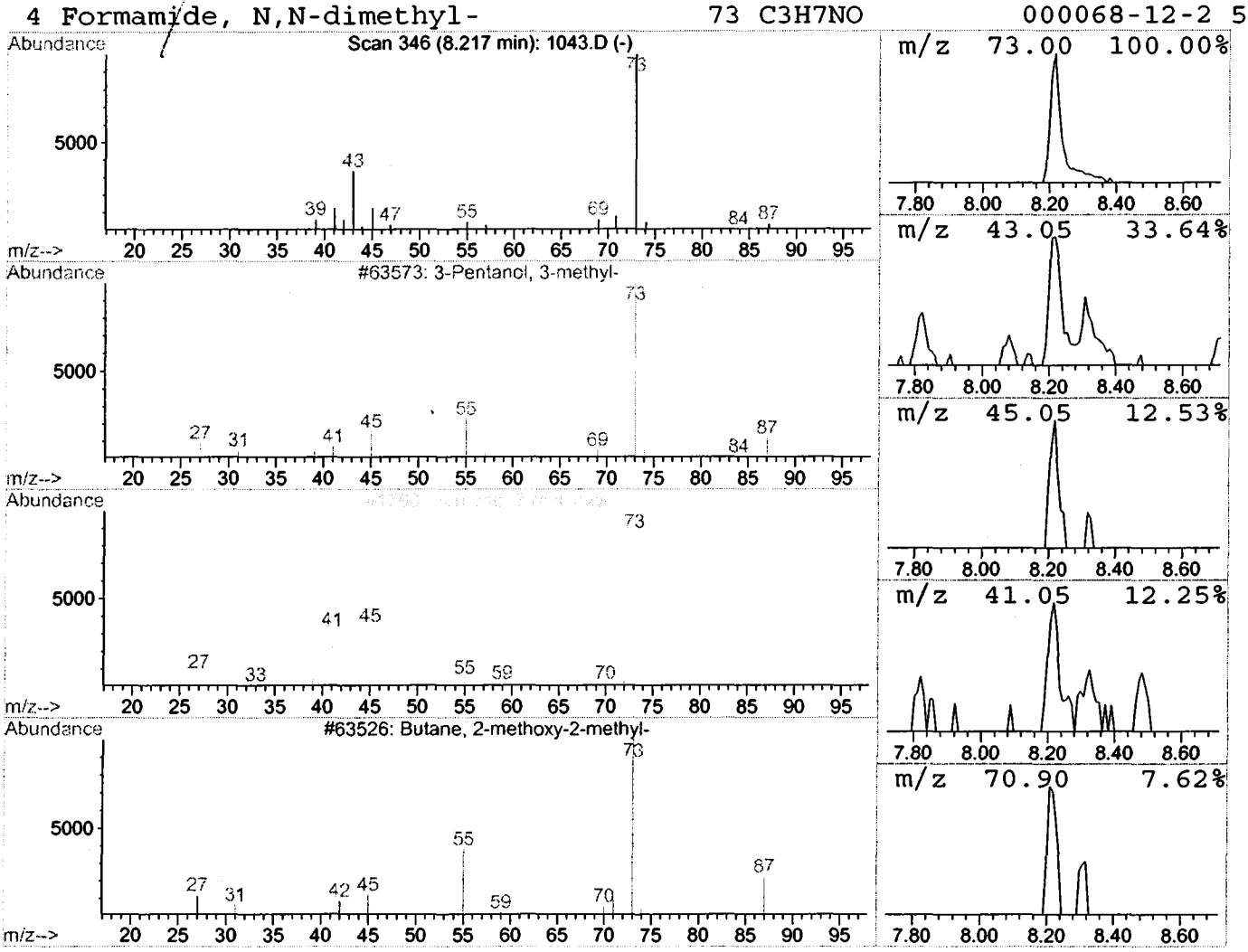
```
Data File : C:\HPCHEM\1\DATA\FEB1502\1043.D              Vial: 29
Acq On    : 16 Feb 2002    8:32 pm                   Operator: 209  GALOS
Sample    : gc/ms scan 1/17                          Inst    : GC/MS 209
Misc      :                                          Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title        : 209 625/TCLP calibration table
Library      : C:\DATABASE\NBS75K.L
```

****

Peak Number 5 3-Pentanol, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	0.35 ug/l	28111	1,4-Dichlorobenzene-d4	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	28
2	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
3	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	9
4	Formamide, N,N-dimethyl-	73	C3H7NO	000068-12-2	5



Data File : C:\HPCHEM\1\DATA\FEB1502\1043.D
Acq On : 16 Feb 2002 8:32 pm
Sample : gc/ms scan 1/17
Misc :
MS Integration Params: LSCINT.P

Vial: 29
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

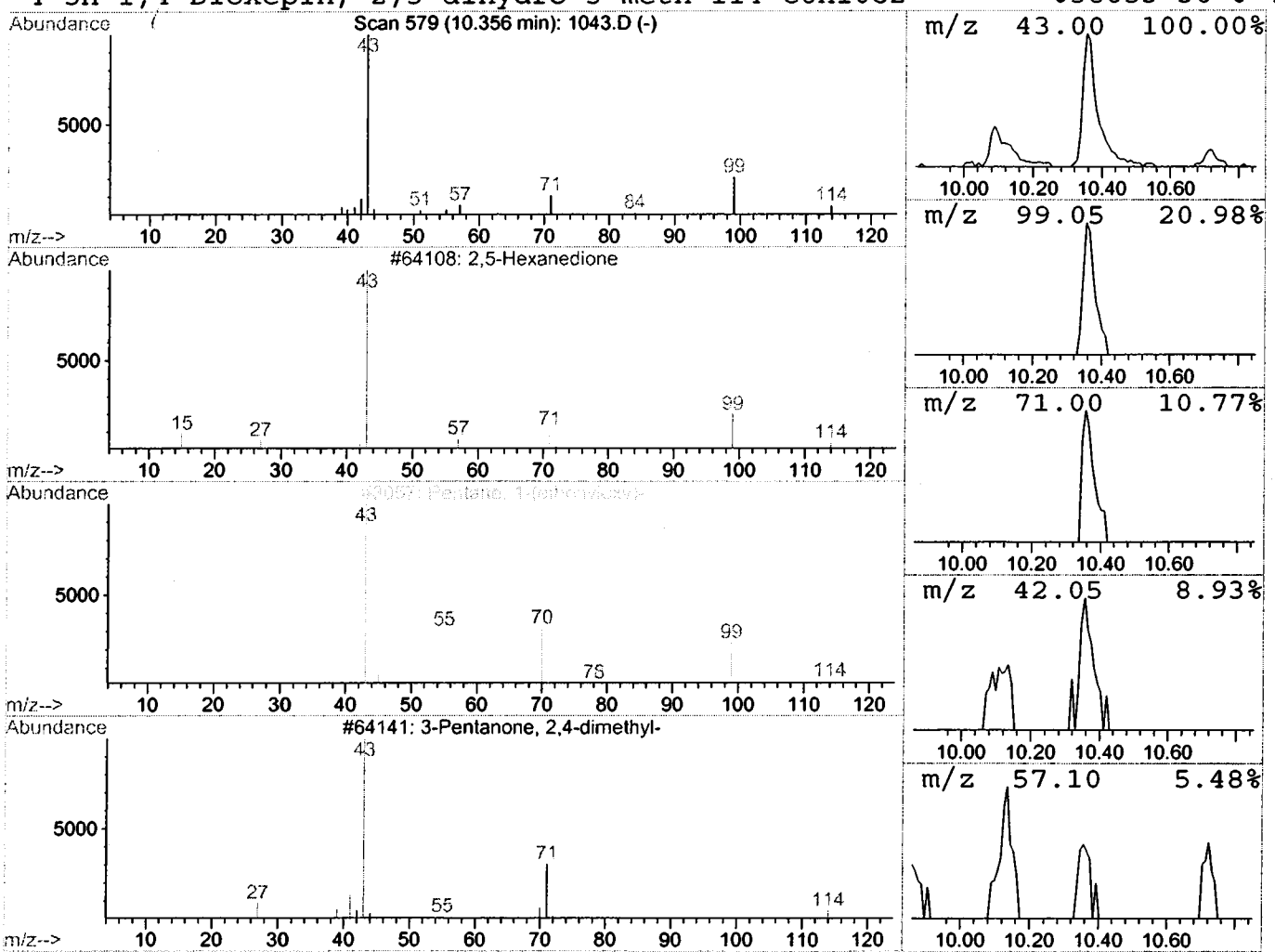
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 2,5-Hexanedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	0.40 ug/l	31923	1,4-Dichlorobenzene-d4	12.33

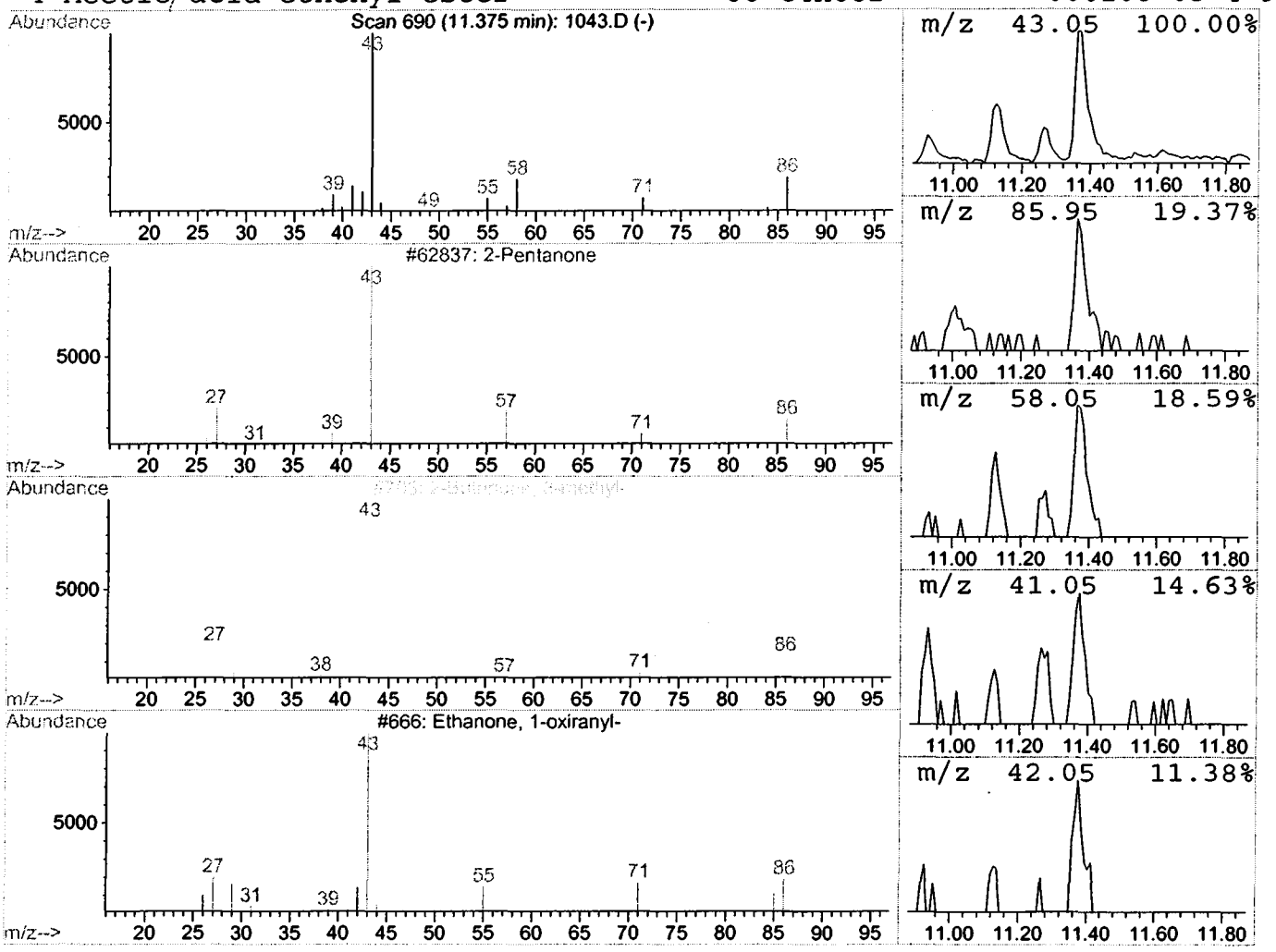
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Hexanedione	114	C6H10O2	000110-13-4	78
2	Pentane, 1-(ethenyloxy)-	114	C7H14O	005363-63-3	39
3	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	9
4	5H-1,4-Dioxepin, 2,3-dihydro-5-meth	114	C6H10O2	038653-36-0	7



```
Data File : C:\HPCHEM\1\DATA\FEB1502\1043.D              Vial: 29
Acq On    : 16 Feb 2002    8:32 pm                   Operator: 209  GALOS
Sample    : gc/ms scan 1/17                          Inst    : GC/MS 209
Misc      :                                          Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title        : 209 625/TCLP calibration table
Library      : C:\DATABASE\NBS75K.L
**********************************************************************
Peak Number  7  2-Pentanone                        Concentration Rank  6
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	0.43 ug/l	33998	1,4-Dichlorobenzene-d4	12.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone	86	C5H10O	000107-87-9	72
2	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	45
3	Ethanone, 1-oxiranyl-	86	C4H6O2	004401-11-0	9
4	Acetic acid ethenyl ester	86	C4H6O2	000108-05-4	9



Data File : C:\HPCHEM\1\DATA\FEB1502\1043.D Vial: 29
Acq On : 16 Feb 2002 8:32 pm Operator: 209 GALOS
Sample : gc/ms scan 1/17 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

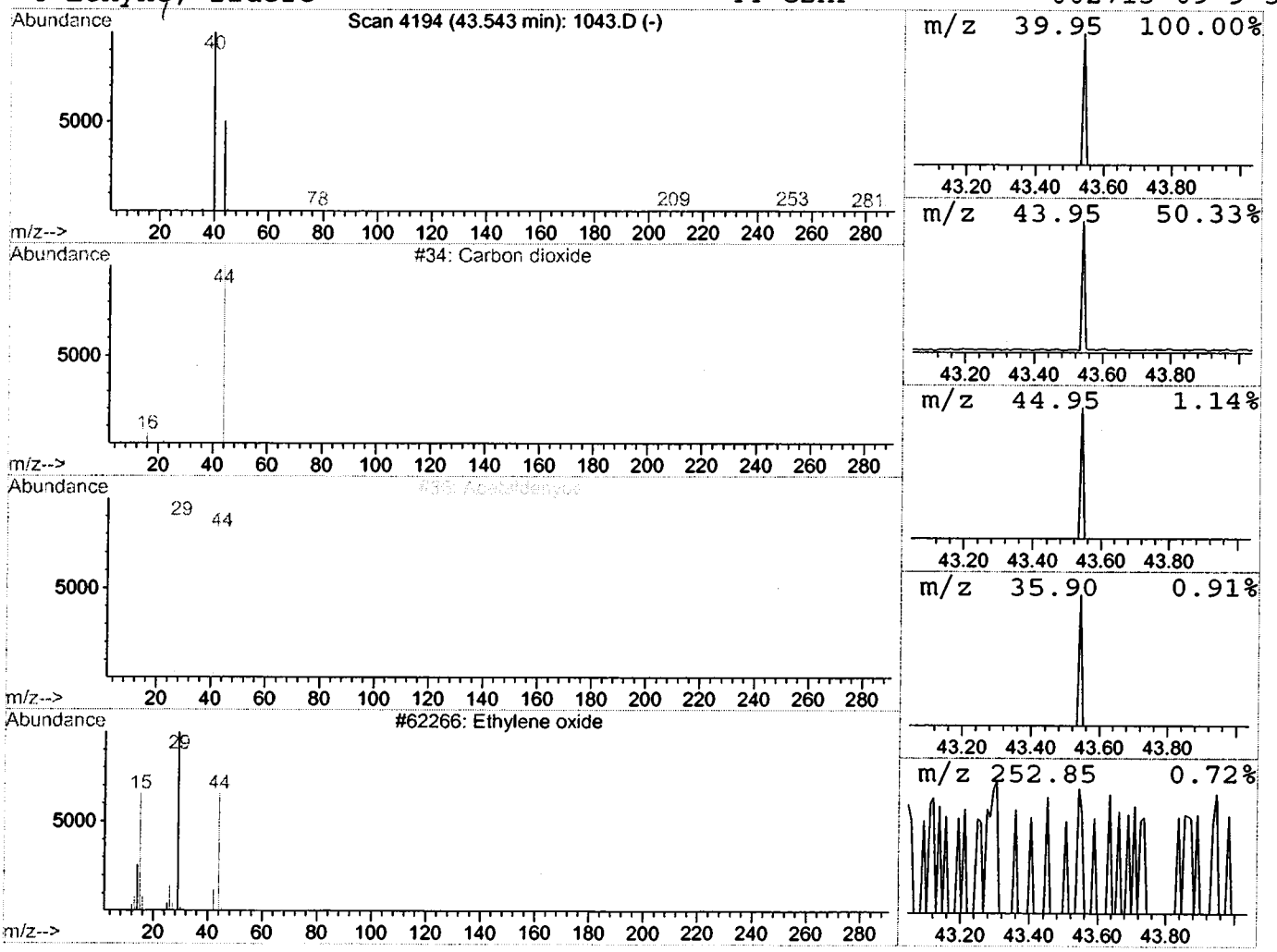
Quant Method : C:\HPCHEM\1\METHODS\GCMS0208.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 8 Carbon dioxide Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
43.54	0.47 ug/l	24828	Perylene-d12	38.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	3
2	Acetaldehyde	44	C2H4O	000075-07-0	3
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Ethyne, fluoro-	44	C2HF	002713-09-9	3



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 16 Feb 2002 8:32 pm
Data File: C:\HPCHEM\1\DATA\FEB1502\1043.D
Name: gc/ms scan 1/17
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0208.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
3-Hexanone	6.91	0.8	ug/l	65662	ISTD01	12.33	1584760	20.0
2-Hexanone	7.02	1.3	ug/l	100412	ISTD01	12.33	1584760	20.0
3-Hexanol	7.12	0.6	ug/l	45559	ISTD01	12.33	1584760	20.0
2-Pentanol, 4-methyl	7.23	0.5	ug/l	39664	ISTD01	12.33	1584760	20.0
3-Pentanol, 3-methyl	8.22	0.4	ug/l	28111	ISTD01	12.33	1584760	20.0
2,5-Hexanedione	10.36	0.4	ug/l	31923	ISTD01	12.33	1584760	20.0
2-Pentanone	11.37	0.4	ug/l	33998	ISTD01	12.33	1584760	20.0
Carbon dioxide	43.54	0.5	ug/l	24828	ISTD06	38.08	1055550	20.0

1043.D GCMS0208.M Wed Feb 20 14:29:38 2002