Comments for Sample AD29233 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-18-2001 Time: 16:05:42

The GCMS scan, from 35 to 550 amu does not reveal the presence of any unusual compounds, except for bis(2-Ethylhexyl)phthalate at an estimated level of 0.32 ug/L. Also present is Nonadecanol at an estimated level of 0.93 ug/L and a fit of 93 out of 100. its presence is probably due to laboratory contamination.
The Field Blank, AD29228, associated with this sample was clean. The recovery for 1 of the 43 compounds in the LCS Standard was above its acceptance range.

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 12/18/2001 Time: 15:43:02

Sample: AD29233
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/18/01 15:42 Ended: 12/18/01 15:42 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		111		5.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1001\29233.D Vial: 15
Acq On : 11 Dec 2001 12:23 am Operator: 209 GALOS
Sample : gc/ms scan 12/3 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 14:43 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.67	152	874501	20.00	ug/l	-0.03
10) Naphthalene-d8	15.28	136	3386483	20.00	ug/l	-0.03
17) Acenaphthene-d10	20.55	164	1695322	20.00	ug/l	-0.03
29) Phenanthrene-d10	24.97	188	2451902	20.00	ug/l	-0.02
38) Chrysene-d12	33.01	240	1531426	20.00	ug/l	-0.03
44) Perylene-d12	37.10	264	1047575	20.00	ug/l	-0.02
System Monitoring Compounds						
37) 2,4-DDD	30.05	235	161975	5.55	ug/mL	-0.02
Spiked Amount 5.000			Recovery = 111.00%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.25	74	209	N.D.		
3) bis(2-Chloroethyl)ether	11.11	93	284	N.D.		
4) 1,3-Dichlorobenzene	11.59	146	651	N.D.		
5) 1,4-Dichlorobenzene	11.72	146	820	N.D.		
6) 1,2-Dichlorobenzene	12.24	146	458	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	13.32	117	208	N.D.		
11) Nitrobenzene	12.96	77	302	N.D.		
12) Isophorone	14.05	82	392	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	15.33	128	5190	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	19.97	163	340	N.D.		
21) 2,6-Dinitrotoluene	0.00	165	0	N.D.	d	
22) Acenaphthylene	20.10	152	373	N.D.		
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	21.14	165	218	N.D.		
25) Diethylphthalate	22.07	149	2540	N.D.		
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
27) Fluorene	22.18	166	322	N.D.		
28) Azobenzen/ 1,2-Diphenylhyd	22.69	77	355	N.D.		

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

Quantitation Report (QT Reviewed)

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Acq On : 11 Dec 2001 12:23 am Operator: 209 GALOS
Sample : gc/ms scan 12/3 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 14:43 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30)	N-Nitrosodiphenylamine	22.61	168	102	N.D.	
31)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
32)	Hexachlorobenzene	0.00	284	0	N.D.	
33)	Phenanthrene	25.04	178	3319	N.D.	
34)	Anthracene	25.18	178	1050	N.D.	
35)	Di-n-butylphthalate	26.98	149	34711	N.D.	
36)	Fluoranthene	28.66	202	1311	N.D.	
39)	Pyrene	29.33	202	1221	N.D.	
40)	Butylbenzylphthalate	31.50	149	514	N.D.	
41)	Benzo(a)anthracene	33.01	228	4852	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.29	149	29799	0.32 ug/l	97
43)	Chrysene	33.09	228	815	N.D.	
45)	Di-n-Octylphthalate	35.03	149	529	N.D.	
46)	Benzo(b)fluoranthene	36.14	252	827	N.D.	
47)	Benzo(k)fluoranthene	36.08	252	466	N.D.	
48)	Benzo(a)pyrene	37.10	252	3935	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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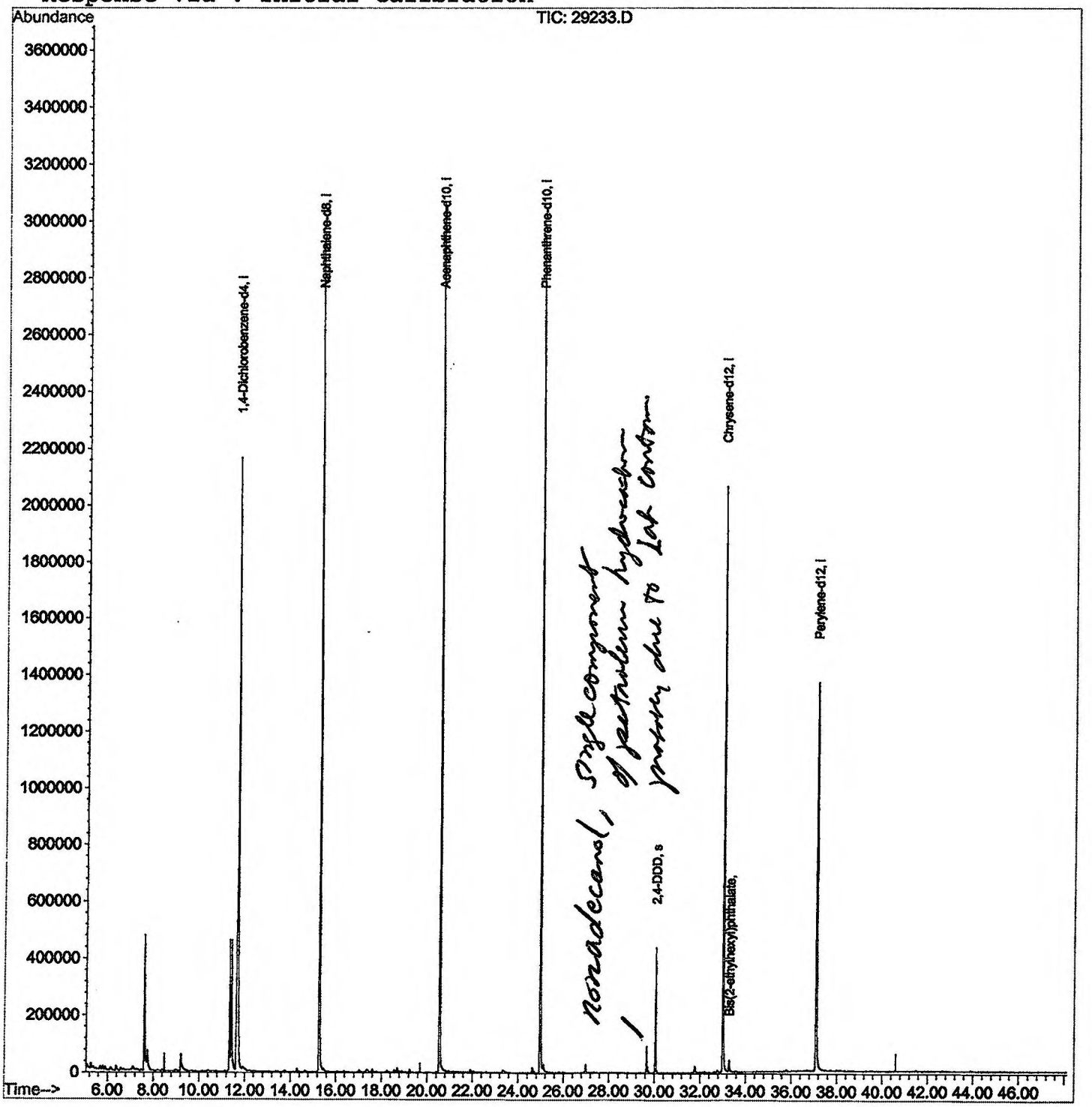
Acq On : 11 Dec 2001 12:23 am Operator: 209 GALOS
Sample : gc/ms scan 12/3 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 14 14:43 2001 Quant Results File: GCMS1126.RES

Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Dec 14 12:19:30 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29233.D Vial: 15
Acq On : 11 Dec 2001 12:23 am Operator: 209 GALOS
Sample : gc/ms scan 12/3 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS1126.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

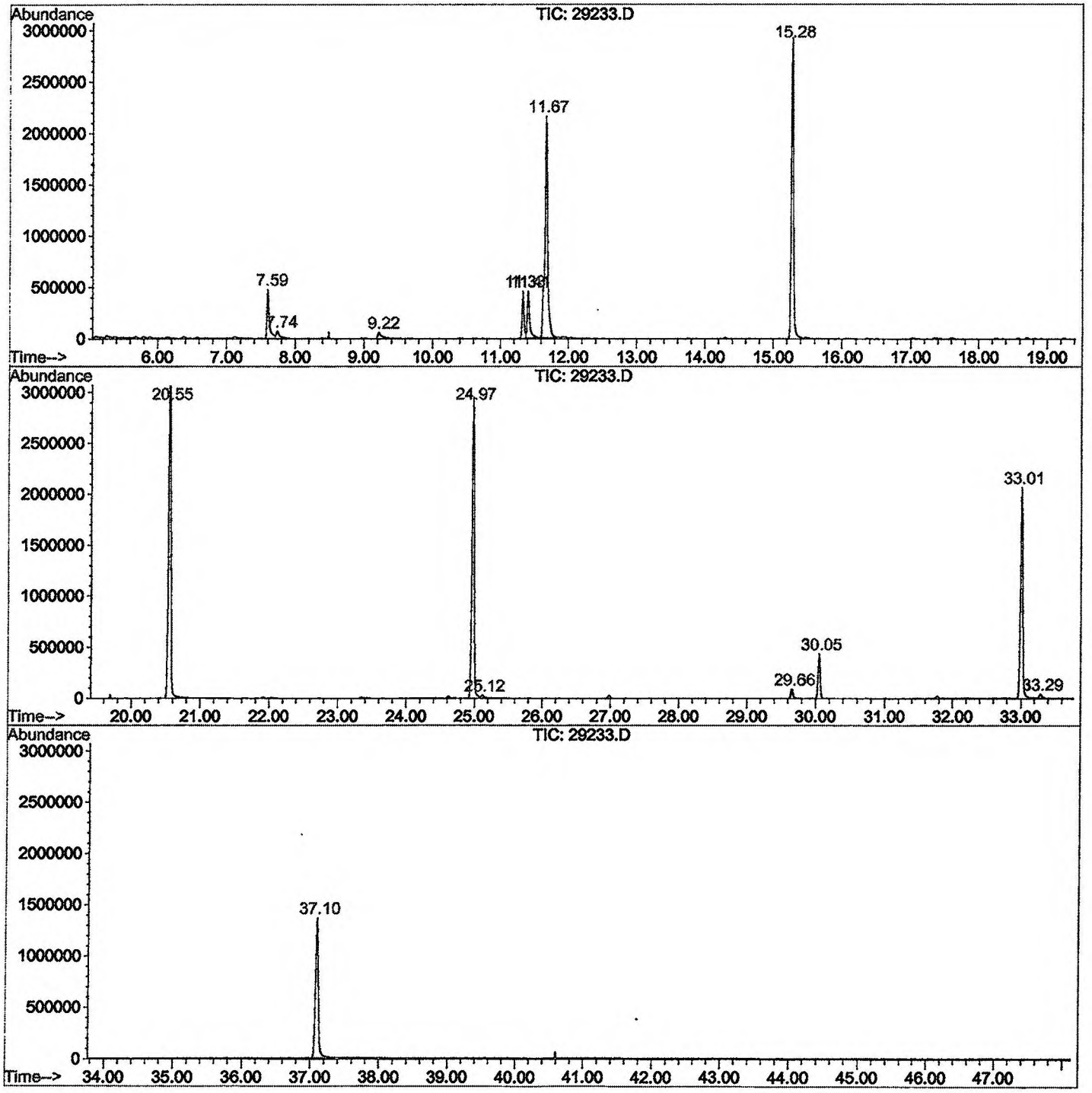
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.594	274	278	290	rBV	474998	1134654	16.36%	2.869%
2	7.741	290	294	309	rVB	69554	235995	3.40%	0.597%
3	9.219	451	455	467	rBV	60260	216970	3.13%	0.549%
4	11.331	681	685	690	rBV	457949	915180	13.20%	2.314%
5	11.413	690	694	714	rVB	455343	1139482	16.43%	2.882%
6	11.670	714	722	740	rBV2	2159216	6118412	88.23%	15.472%
7	15.278	1109	1115	1131	rBV	2922814	6399172	92.28%	16.182%
8	20.548	1683	1689	1707	rBV	3068782	6934628	100.00%	17.536%
9	24.973	2164	2171	2183	rBV2	2949661	6496463	93.68%	16.428%
10	25.120	2183	2187	2197	rVB	26588	83241	1.20%	0.210%
11	29.664	2675	2682	2694	rBV	92981	222480	3.21%	0.563%
12	30.049	2717	2724	2733	rBV	437264	885751	12.77%	2.240%
13	33.005	3038	3046	3061	rBV2	2063146	4804098	69.28%	12.149%
14	33.290	3071	3077	3084	rBV	39686	102513	1.48%	0.259%
15	37.100	3483	3492	3518	rBV2	1364334	3855455	55.60%	9.750%

Sum of corrected areas: 39544494

29233.D GCMS1126.M Fri Dec 14 16:12:32 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC1001\29233.D
Operator : 209 GALOS
Acquired : 11 Dec 2001 12:23 am using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: gc/ms scan 12/3
Misc Info :
Vial Number: 15
Quant File :GCMS1126.RES (RTE Integrator)



29233.D GCMS1126.M Fri Dec 14 16:12:38 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29233.D
Acq On : 11 Dec 2001 12:23 am
Sample : gc/ms scan 12/3
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

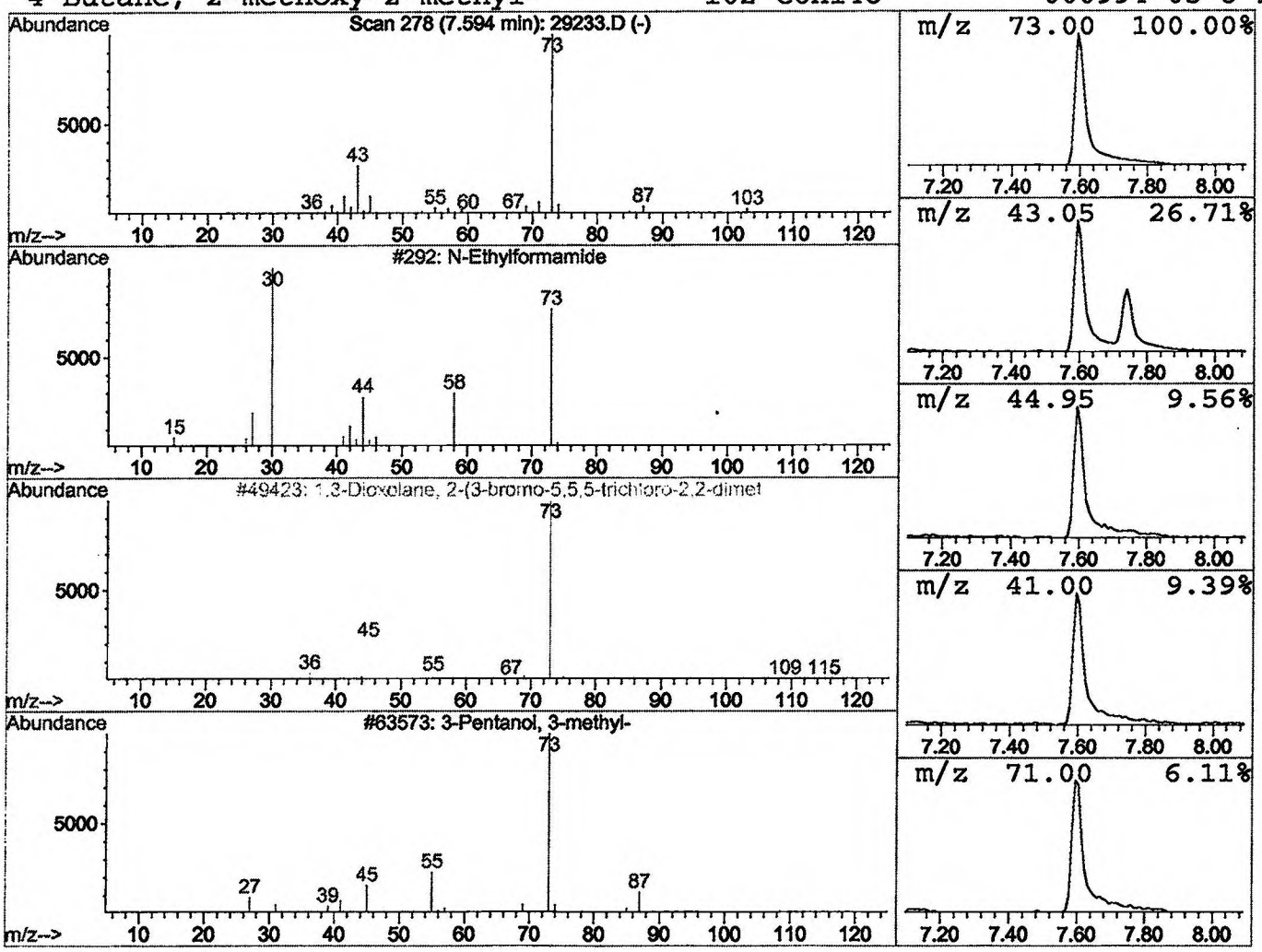
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 N-Ethylformamide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	3.71 ug/l	1134650	1,4-Dichlorobenzene-d4	11.67

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	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9
4	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29233.D
Acq On : 11 Dec 2001 12:23 am
Sample : gc/ms scan 12/3
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

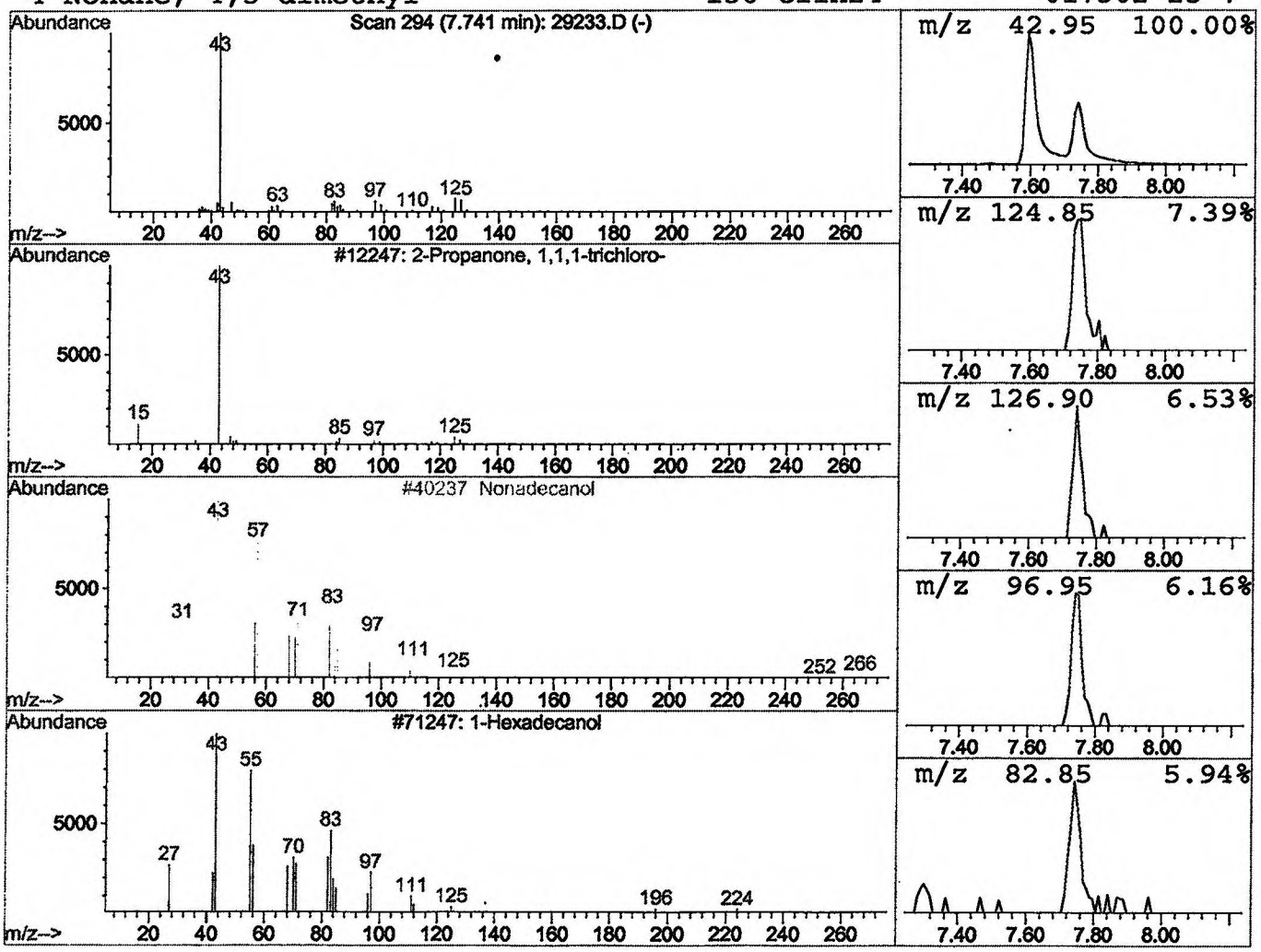
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Propanone, 1,1,1-trichloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	0.77 ug/l	235995	1,4-Dichlorobenzene-d4	11.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1,1-trichloro-	160	C3H3Cl3O	000918-00-3	40
2	Nonadecanol	284	C19H40O	052783-43-4	9
3	1-Hexadecanol	242	C16H34O	036653-82-4	9
4	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	7



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29233.D
Acq On : 11 Dec 2001 12:23 am
Sample : gc/ms scan 12/3
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

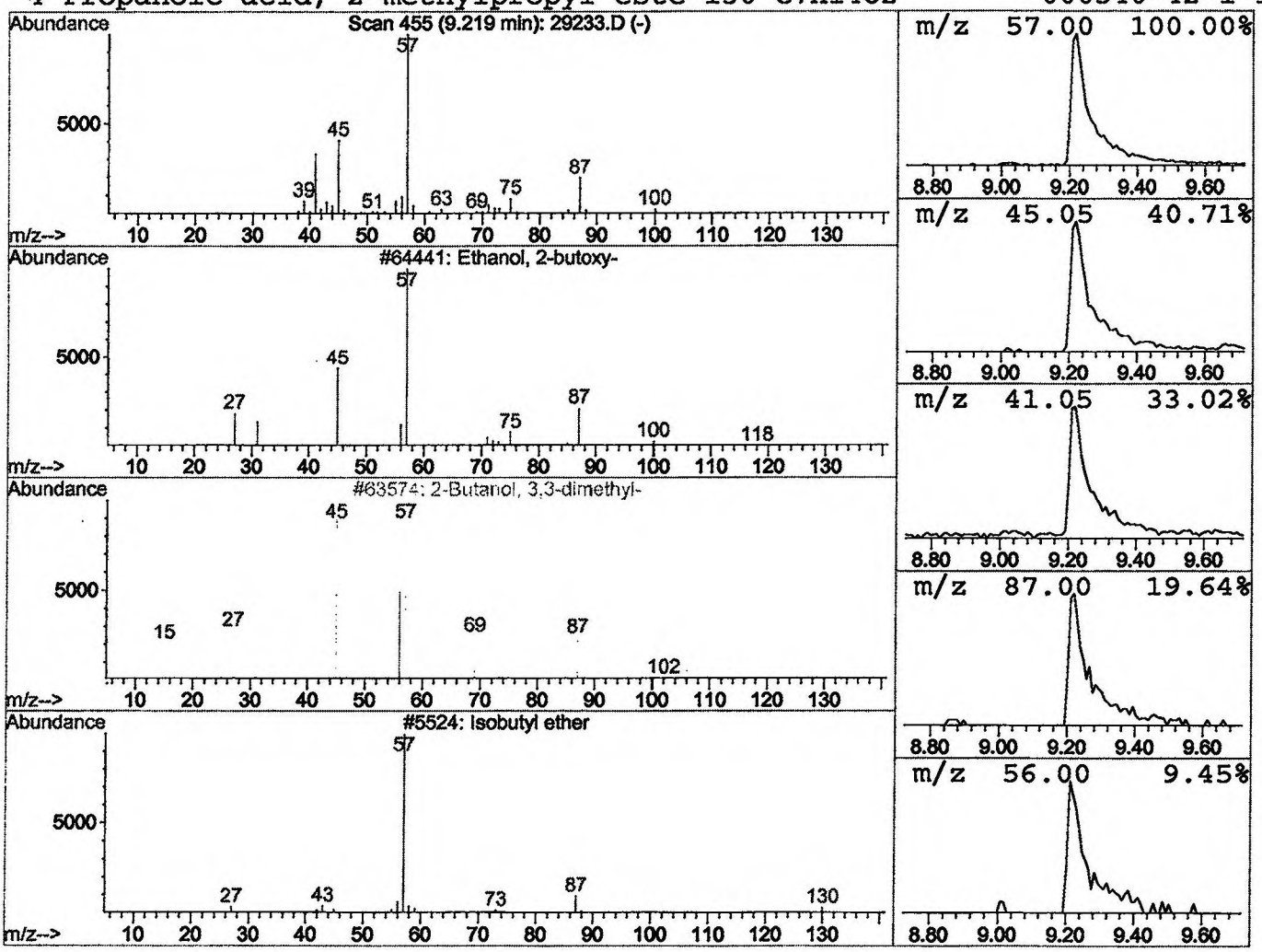
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Ethanol, 2-butoxy- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	0.71 ug/l	216970	1,4-Dichlorobenzene-d4	11.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	83
2	2-Butanol, 3,3-dimethyl-	102	C6H14O	000464-07-3	17
3	Isobutyl ether	130	C8H18O	000628-55-7	17
4	Propanoic acid, 2-methylpropyl este	130	C7H14O2	000540-42-1	12



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29233.D
Acq On : 11 Dec 2001 12:23 am
Sample : gc/ms scan 12/3
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

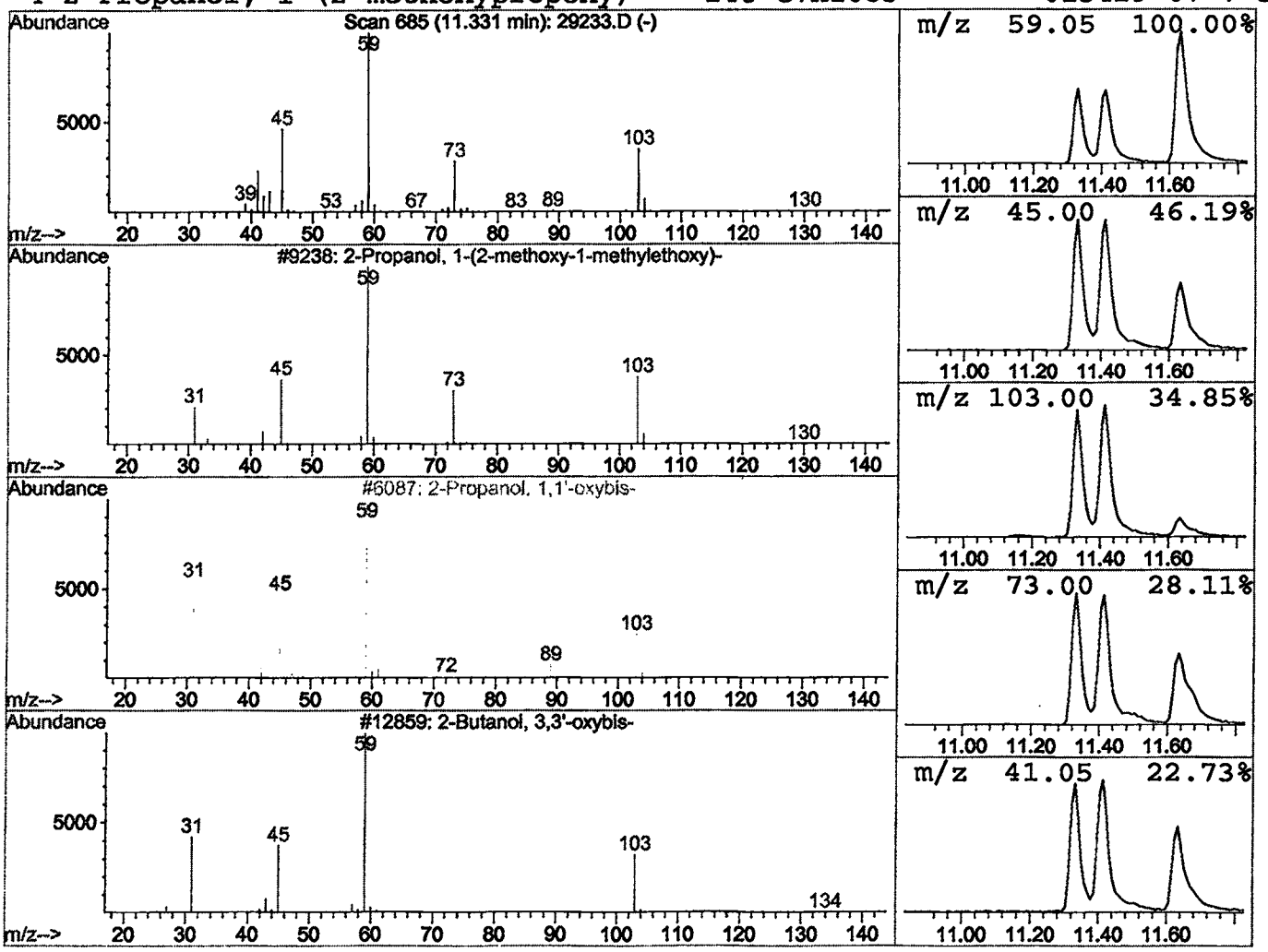
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 2-Propanol, 1-(2-methoxy-1-met Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	2.99 ug/l	915180	1,4-Dichlorobenzene-d4	11.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methylet	148	C7H16O3	020324-32-7	72
2	2-Propanol, 1,1'-oxybis-	134	C6H14O3	000110-98-5	56
3	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	50
4	2-Propanol, 1-(2-methoxypropoxy)-	148	C7H16O3	013429-07-7	50



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29233.D
Acq On : 11 Dec 2001 12:23 am
Sample : gc/ms scan 12/3
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

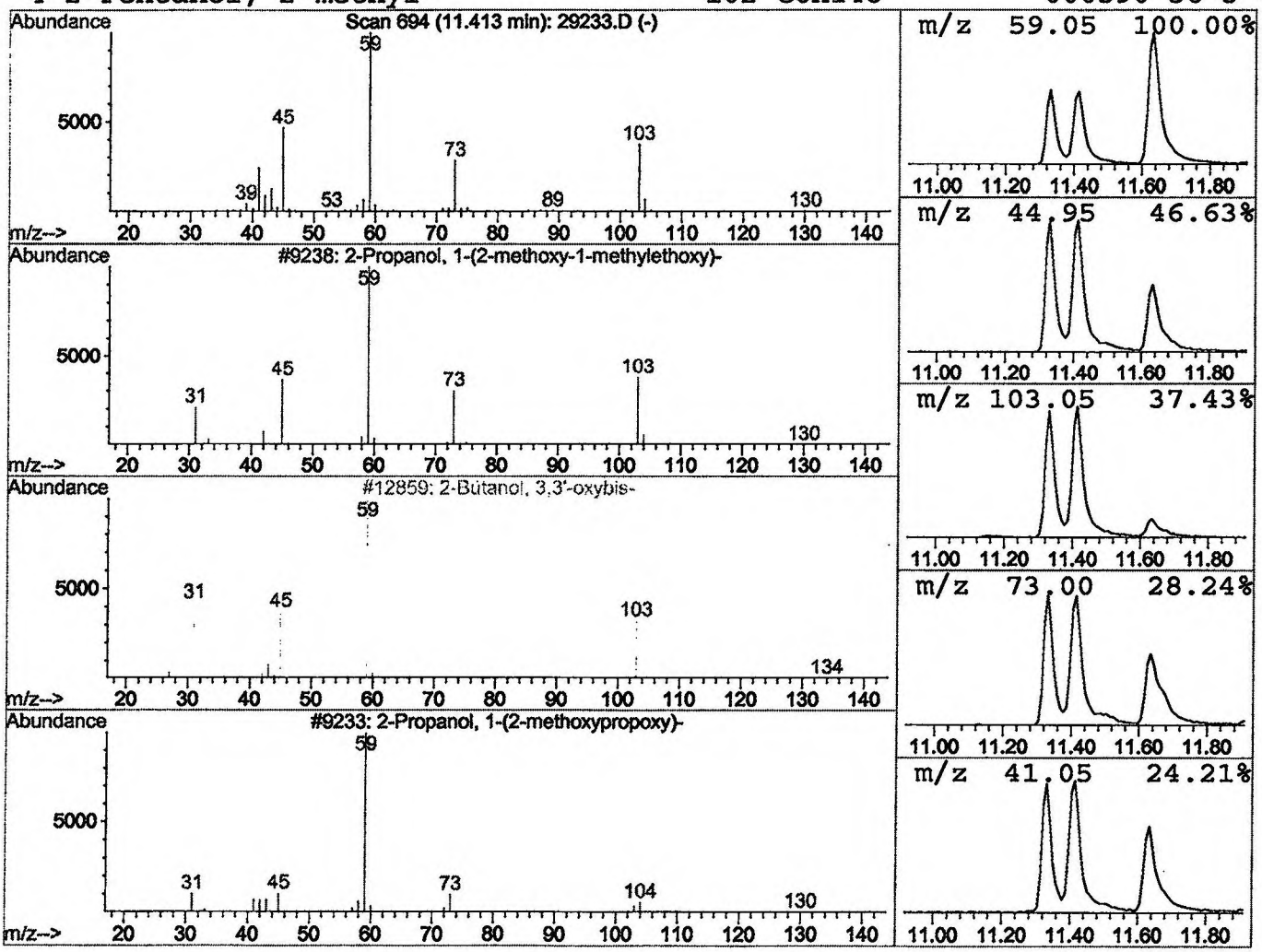
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 2-Propanol, 1-(2-methoxy-1-met Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	3.72 ug/l	1139480	1,4-Dichlorobenzene-d4	11.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methylet	148	C7H16O3	020324-32-7	90
2	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	64
3	2-Propanol, 1-(2-methoxypropoxy)-	148	C7H16O3	013429-07-7	50
4	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	42



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Acq On : 11 Dec 2001 12:23 am
Sample : gc/ms scan 12/3
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

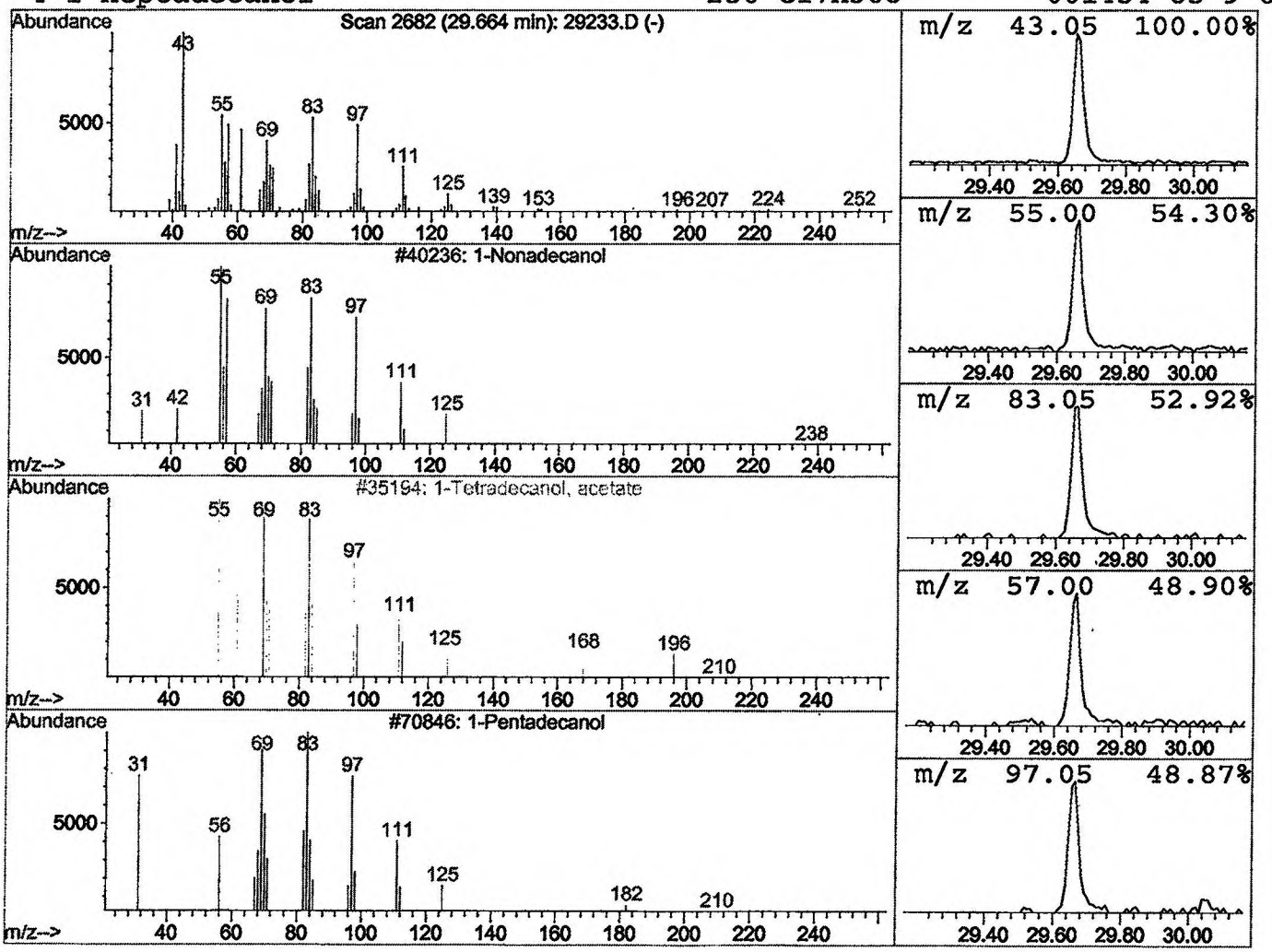
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 1-Nonadecanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.66	0.93 ug/l	222480	Chrysene-d12	33.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecanol	284	C19H40O	001454-84-8	93
2	1-Tetradecanol, acetate	256	C16H32O2	000638-59-5	83
3	1-Pentadecanol	228	C15H32O	000629-76-5	81
4	1-Heptadecanol	256	C17H36O	001454-85-9	64



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 11 Dec 2001 12:23 am
Data File: C:\HPCHEM\1\DATA\DEC1001\29233.D
Name: gc/ms scan 12/3
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS1126.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
N-Ethylformamide	7.59	3.7	ug/l	1134650	ISTD01	11.67	6118410	20.0
2-Propanone, 1,1,1-t	7.74	0.8	ug/l	235995	ISTD01	11.67	6118410	20.0
Ethanol, 2-butoxy-	9.22	0.7	ug/l	216970	ISTD01	11.67	6118410	20.0
2-Propanol, 1-(2-met	11.33	3.0	ug/l	915180	ISTD01	11.67	6118410	20.0
2-Propanol, 1-(2-met	11.41	3.7	ug/l	1139480	ISTD01	11.67	6118410	20.0
1-Nonadecanol	29.66	0.9	ug/l	222480	ISTD05	33.01	4804100	20.0

29233.D GCMS1126.M Fri Dec 14 16:13:12 2001