Comments for Sample AD29139 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-17-2001 Time: 12:48:48

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds, except for the presence of di-n-butylphthalate at an estimated level of 0.26 ug/L. It is also present in the Laboratory Blank at 2.72 ug/L.
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: 12/17/2001 Time: 12:47:42

Sample: AD29139
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/17/01 12:42 Ended: 12/17/01 12:42 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds				
2	Surr_2,4-DDD		114		5.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1001\29139.D Vial: 11
Acq On : 10 Dec 2001 8:30 pm Operator: 209 GALOS
Sample : gc/ms scan 11/30 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 12 15:16 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	860010	20.00	ug/l	-0.03
10) Naphthalene-d8	15.28	136	3293532	20.00	ug/l	-0.03
17) Acenaphthene-d10	20.55	164	1654161	20.00	ug/l	-0.03
29) Phenanthrene-d10	24.97	188	2337046	20.00	ug/l	-0.02
38) Chrysene-d12	33.00	240	1428320	*20.00	ug/l	-0.03
44) Perylene-d12	37.10	264	976501	20.00	ug/l	-0.02
System Monitoring Compounds						
37) 2,4-DDD	30.05	235	158925	5.71	ug/mL	-0.02
Spiked Amount 5.000			Recovery = 114.20%			
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	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	15.32	128	1571	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.	d	
22) Acenaphthylene	0.00	152	0	N.D.		
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	21.06	165	221	N.D.		
25) Diethylphthalate	22.06	149	604	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 : 10 Dec 2001 8:30 pm Operator: 209 GALOS
Sample : gc/ms scan 11/30 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 12 15:16 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

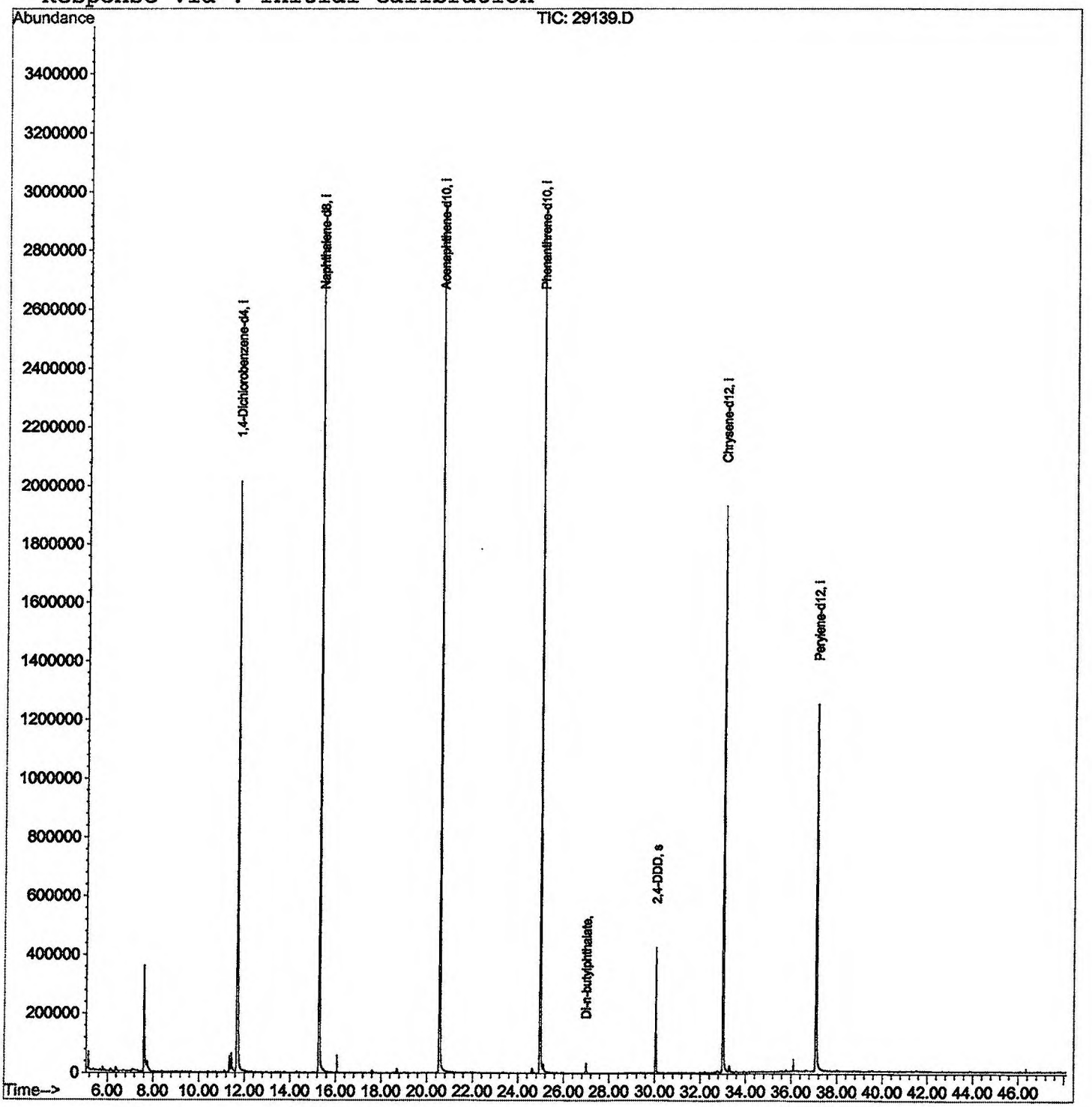
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
31)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
32)	Hexachlorobenzene	0.00	284	0	N.D.	
33)	Phenanthrene	25.04	178	272	N.D.	
34)	Anthracene	25.04	178	272	N.D.	
35)	Di-n-butylphthalate	26.98	149	42129	0.26 ug/l #	99
36)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	0.00	202	0	N.D.	
40)	Butylbenzylphthalate	31.48	149	223	N.D.	
41)	Benzo(a)anthracene	33.00	228	3404	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.29	149	15161	N.D.	
43)	Chrysene	33.00	228	3404	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	37.11	252	3955	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

Data File : C:\HPCHEM\1\DATA\DEC1001\29139.D Vial: 11
Acq On : 10 Dec 2001 8:30 pm Operator: 209 GALOS
Sample : gc/ms scan 11/30 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 12 15:16 2001 Quant Results File: GCMS1126.RES

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



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29139.D Vial: 11
Acq On : 10 Dec 2001 8:30 pm Operator: 209 GALOS
Sample : gc/ms scan 11/30 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

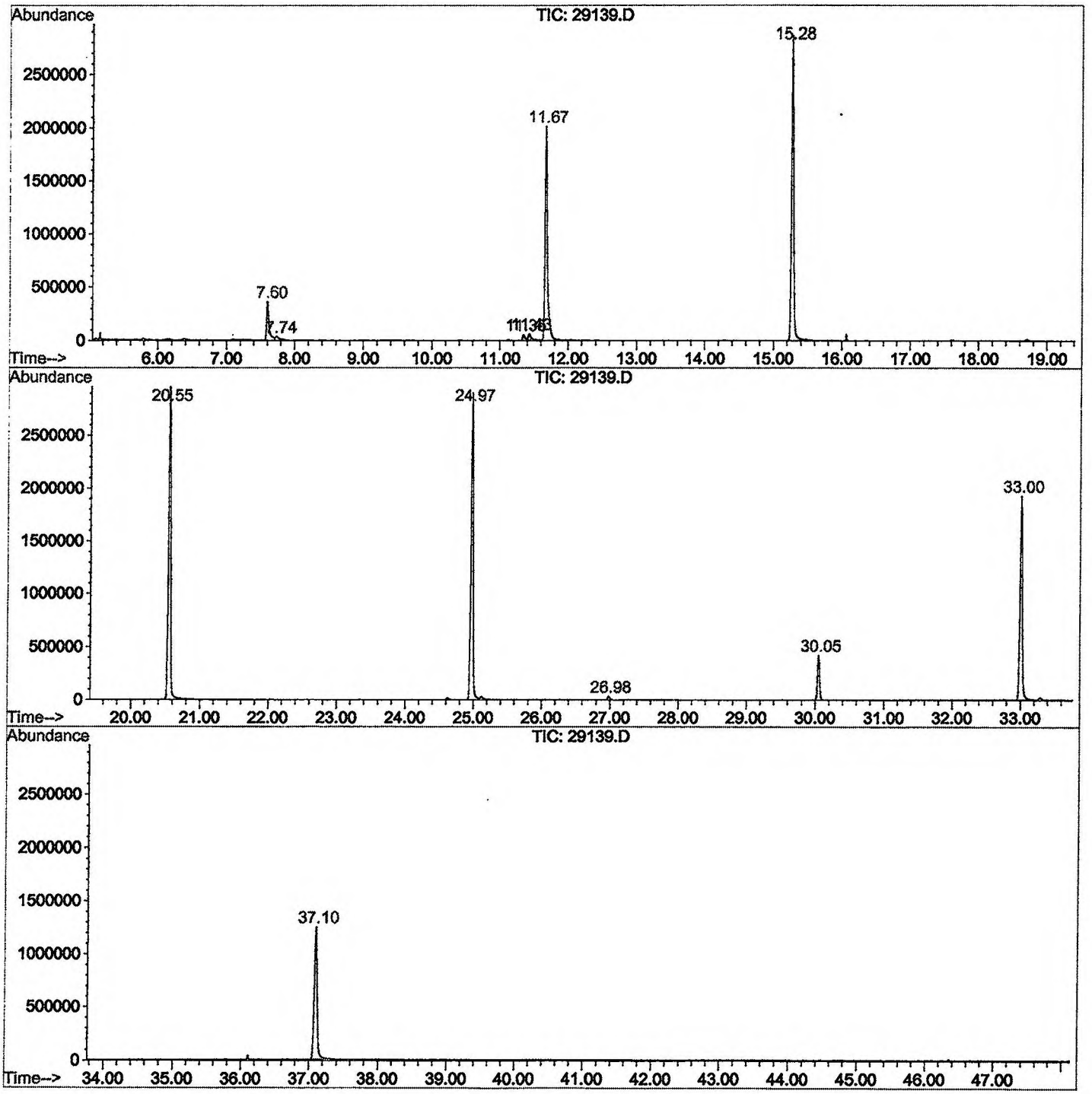
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.602	275	279	291	rBV	357946	922766	13.67%	2.684%
2	7.740	291	294	312	rVB	35480	143721	2.13%	0.418%
3	11.348	683	687	692	rBV	53849	122883	1.82%	0.357%
4	11.430	692	696	705	rVB	57722	151076	2.24%	0.439%
5	11.669	716	722	740	rBV	2011337	4863166	72.07%	14.144%
6	15.277	1109	1115	1133	rBV	2862210	6228143	92.29%	18.113%
7	20.546	1683	1689	1713	rBV	2963659	6748113	100.00%	19.626%
8	24.971	2164	2171	2183	rBV2	2905188	6214519	92.09%	18.074%
9	26.982	2386	2390	2407	rBV	32840	73033	1.08%	0.212%
10	30.048	2718	2724	2731	rBV	425062	860568	12.75%	2.503%
11	33.004	3039	3046	3059	rBV2	1926625	4470568	66.25%	13.002%
12	37.099	3484	3492	3512	rBV2	1245417	3585473	53.13%	10.428%

Sum of corrected areas: 34384029

29139.D GCMS1126.M Wed Dec 12 16:06:46 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC1001\29139.D
Operator : 209 GALOS
Acquired : 10 Dec 2001 8:30 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: gc/ms scan 11/30
Misc Info :
Vial Number: 11
Quant File :GCMS1126.RES (RTE Integrator)



29139.D GCMS1126.M Wed Dec 12 16:06:52 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29139.D
Acq On : 10 Dec 2001 8:30 pm
Sample : gc/ms scan 11/30
Misc :
MS Integration Params: LSCINT.P

Vial: 11
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

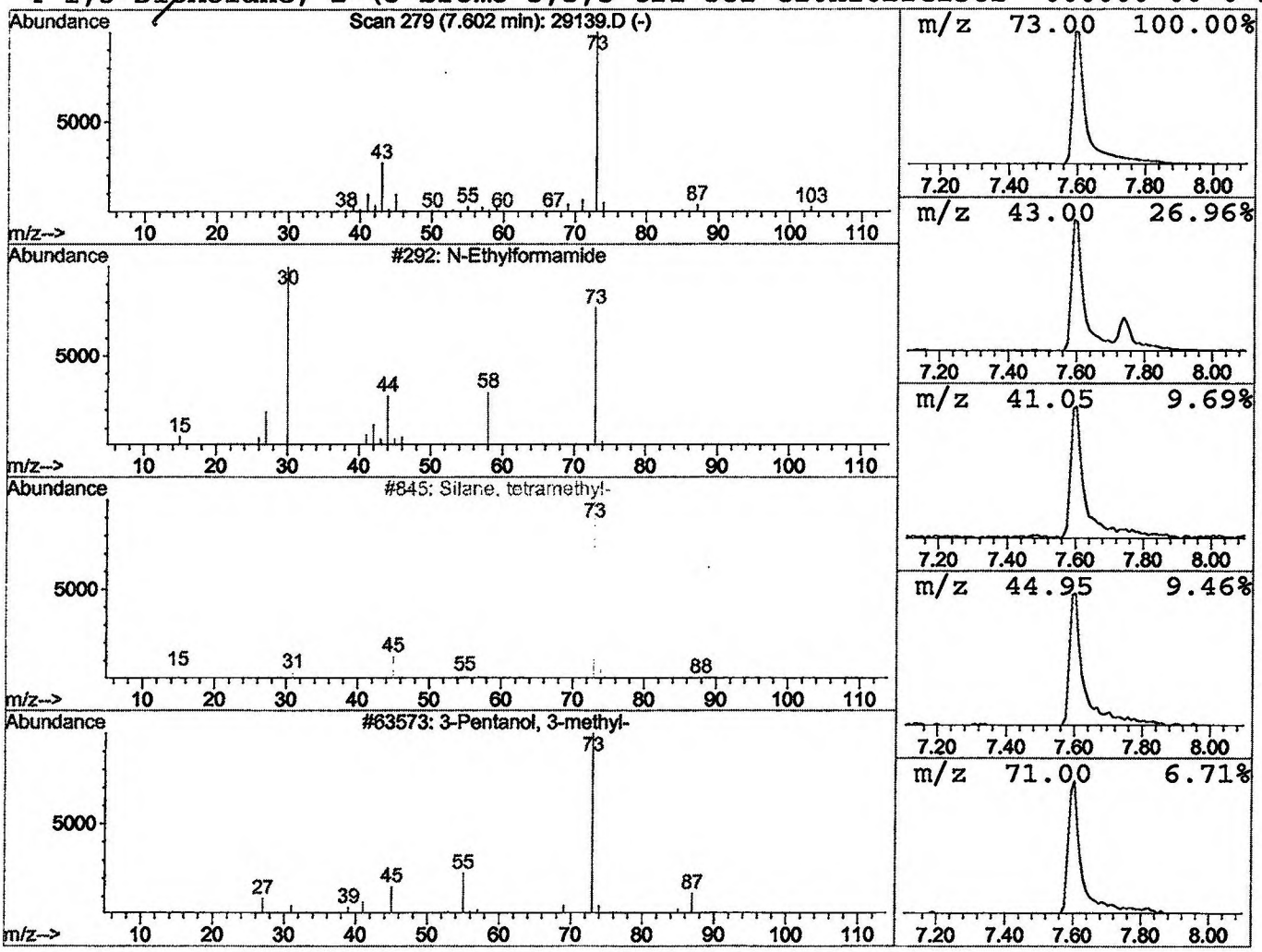
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 N-Ethylformamide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	3.79 ug/l	922766	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	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
3	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9
4	1,3-Dioxolane, 2-(3-bromo-5,5,5-tri	352	C10H16BrCl3O2	000000-00-0	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29139.D
Acq On : 10 Dec 2001 8:30 pm
Sample : gc/ms scan 11/30
Misc :
MS Integration Params: LSCINT.P

Vial: 11
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

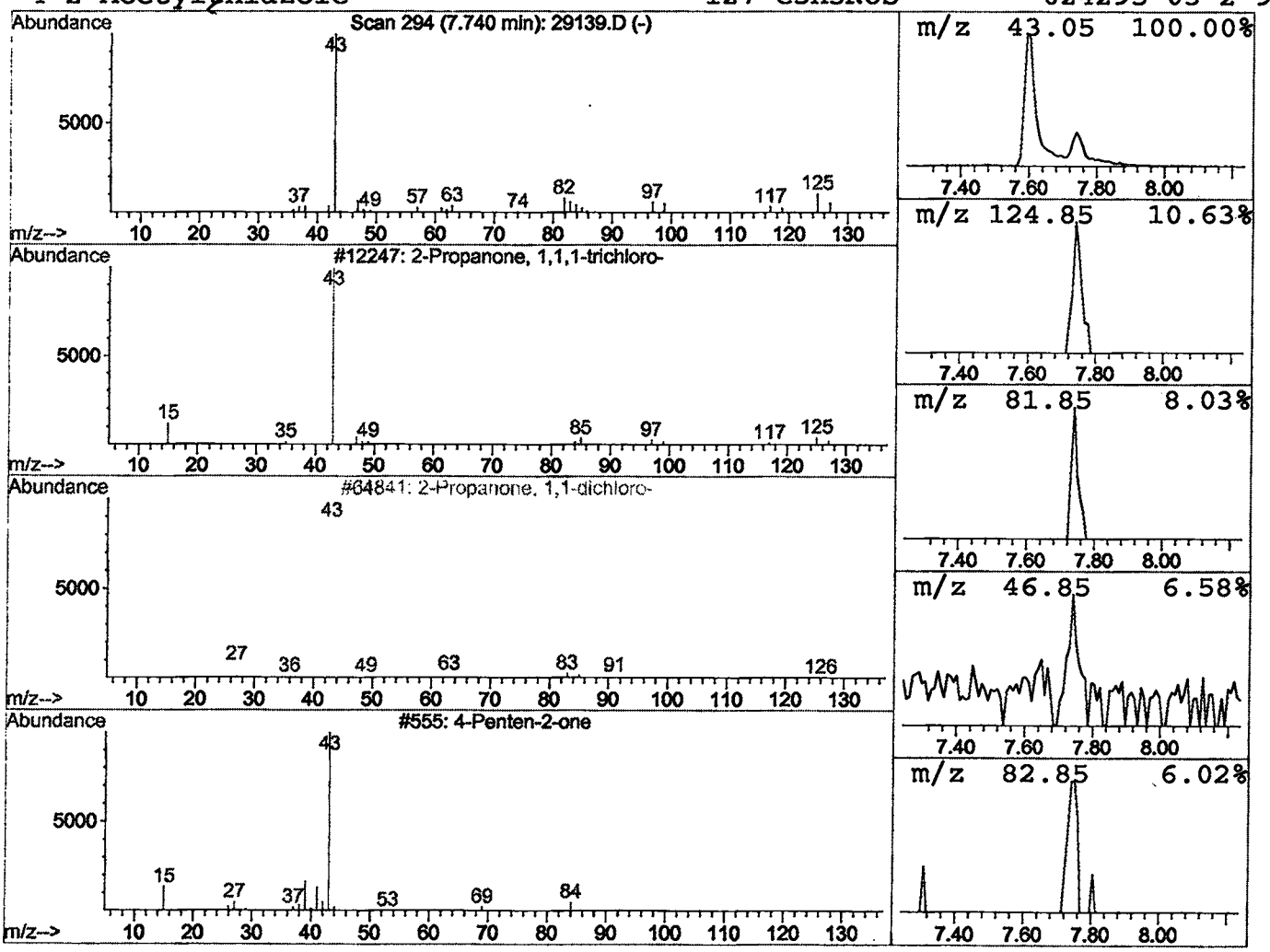
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Propanone, 1,1,1-trichloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	0.59 ug/l	143721	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	28
2	2-Propanone, 1,1-dichloro-	126	C3H4Cl2O	000513-88-2	12
3	4-Penten-2-one	84	C5H8O	013891-87-7	9
4	2-Acetylthiazole	127	C5H5NOS	024295-03-2	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29139.D
Acq On : 10 Dec 2001 8:30 pm
Sample : gc/ms scan 11/30
Misc :
MS Integration Params: LSCINT.P

Vial: 11
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

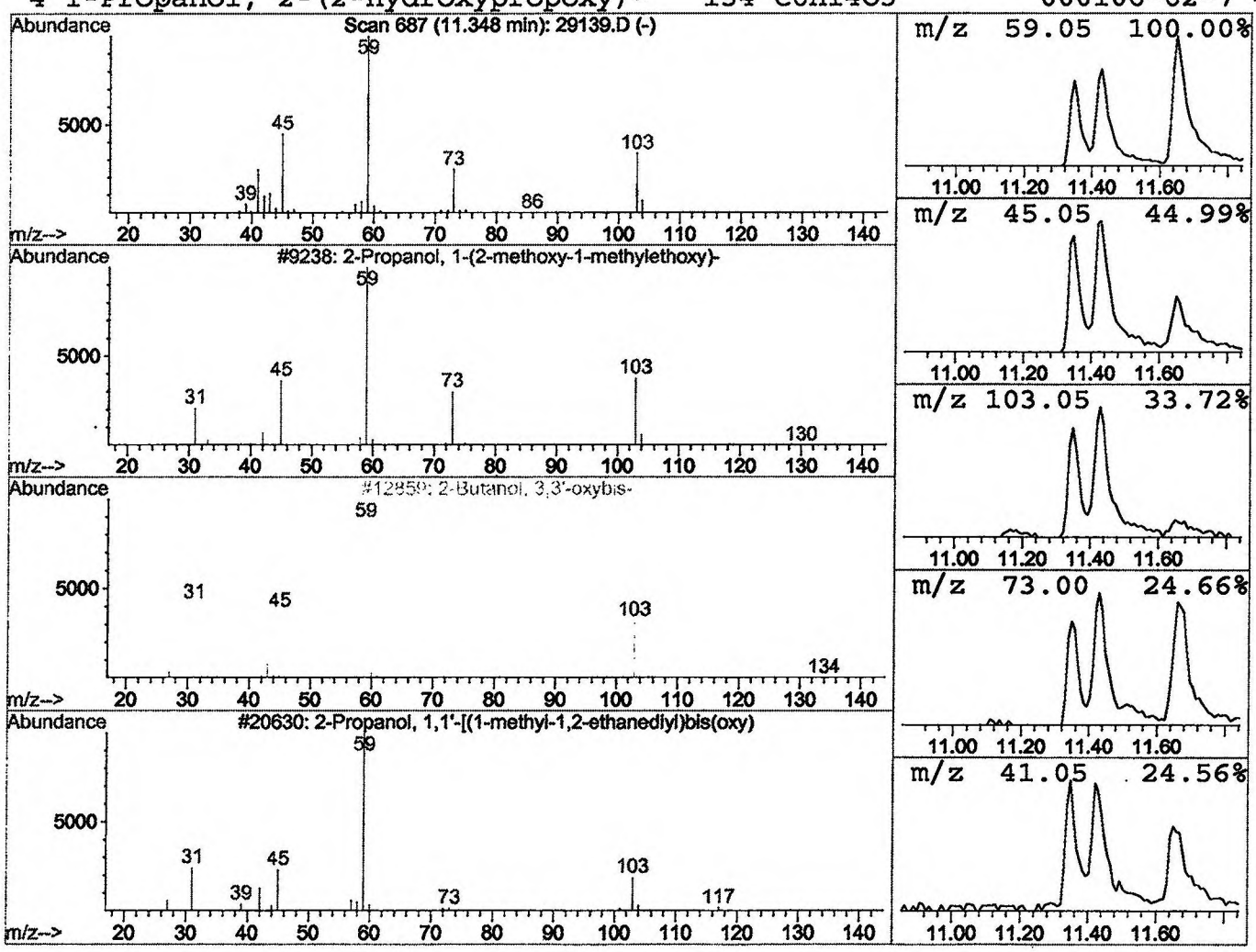
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	0.51 ug/l	122883	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-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	53
3	2-Propanol, 1,1'-[(1-methyl-1,2-eth	192	C9H20O4	001638-16-0	50
4	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	45



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29139.D
Acq On : 10 Dec 2001 8:30 pm
Sample : gc/ms scan 11/30
Misc :
MS Integration Params: LSCINT.P

Vial: 11
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

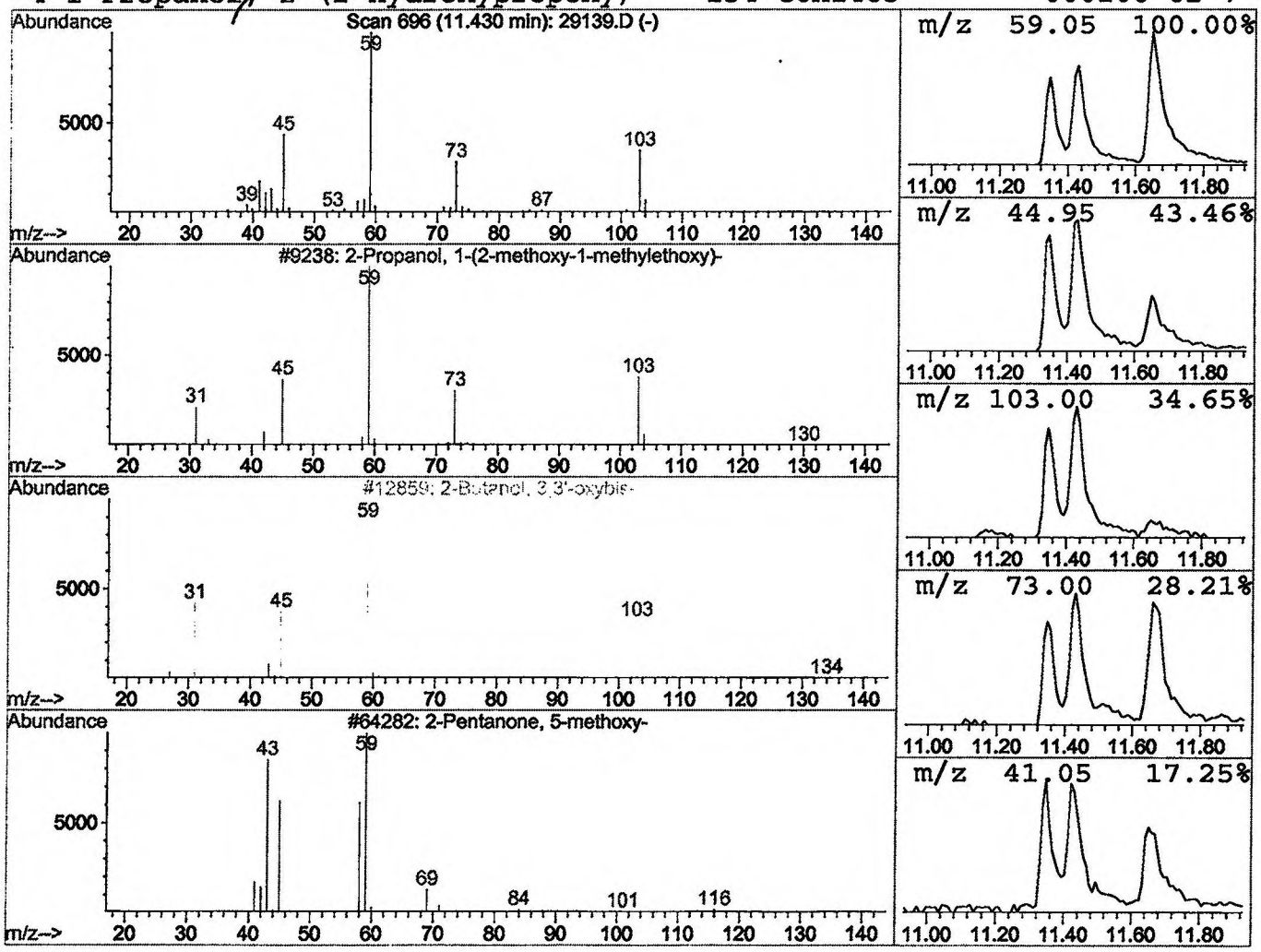
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	0.62 ug/l	151076	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	83
2	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	64
3	2-Pentanone, 5-methoxy-	116	C6H12O2	017429-04-8	53
4	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	45



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 10 Dec 2001 8:30 pm
Data File: C:\HPCHEM\1\DATA\DEC1001\29139.D
Name: gc/ms scan 11/30
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	7.60	3.8	ug/l	922766	ISTD01	11.67	4863170	20.0
2-Propanone, 1,1,1-t	7.74	0.6	ug/l	143721	ISTD01	11.67	4863170	20.0
2-Propanol, 1-(2-met	11.35	0.5	ug/l	122883	ISTD01	11.67	4863170	20.0
2-Propanol, 1-(2-met	11.43	0.6	ug/l	151076	ISTD01	11.67	4863170	20.0

29139.D GCMS1126.M Wed Dec 12 16:07:15 2001