NYC 9/11 Public Portal Document

Comments for Sample AD29135 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-18-2001 Time: 14:36:29

The GCMS scan, from 35 to 550 amu does not reveal the presence of any unusual compounds. 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: 14:32:32

Sample: AD29135
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/18/01 13:58 Ended: 12/18/01 13:58 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		96		5.0

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1001\29135.D Vial: 22
Acq On : 11 Dec 2001 7:12 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 15:31 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	972434	20.00	ug/l	-0.03
10) Naphthalene-d8	15.28	136	3689814	20.00	ug/l	-0.03
17) Acenaphthene-d10	20.56	164	1841392	20.00	ug/l	-0.02
29) Phenanthrene-d10	24.97	188	2717091	20.00	ug/l	-0.02
38) Chrysene-d12	33.00	240	1740798	20.00	ug/l	-0.03
44) Perylene-d12	37.10	264	1206421	20.00	ug/l	-0.02
System Monitoring Compounds						
37) 2,4-DDD	30.05	235	155055	4.79	ug/mL	-0.02
Spiked Amount 5.000			Recovery = 95.80%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.48	74	178	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	12.97	77	189	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	15.33	128	2940	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	21.04	165	406	N.D.		
25) Diethylphthalate	22.08	149	1609	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

NYC-WTC_000036066

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Data File : C:\HPCHEM\1\DATA\DEC1001\29135.D Vial: 22
Acq On : 11 Dec 2001 7:12 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 15:31 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	737	N.D.	
34)	Anthracene	25.04	178	737	N.D.	
35)	Di-n-butylphthalate	26.99	149	32025	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	33.00	228	4022	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.30	149	6111	N.D.	
43)	Chrysene	33.00	228	4022	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	37.10	252	4617	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

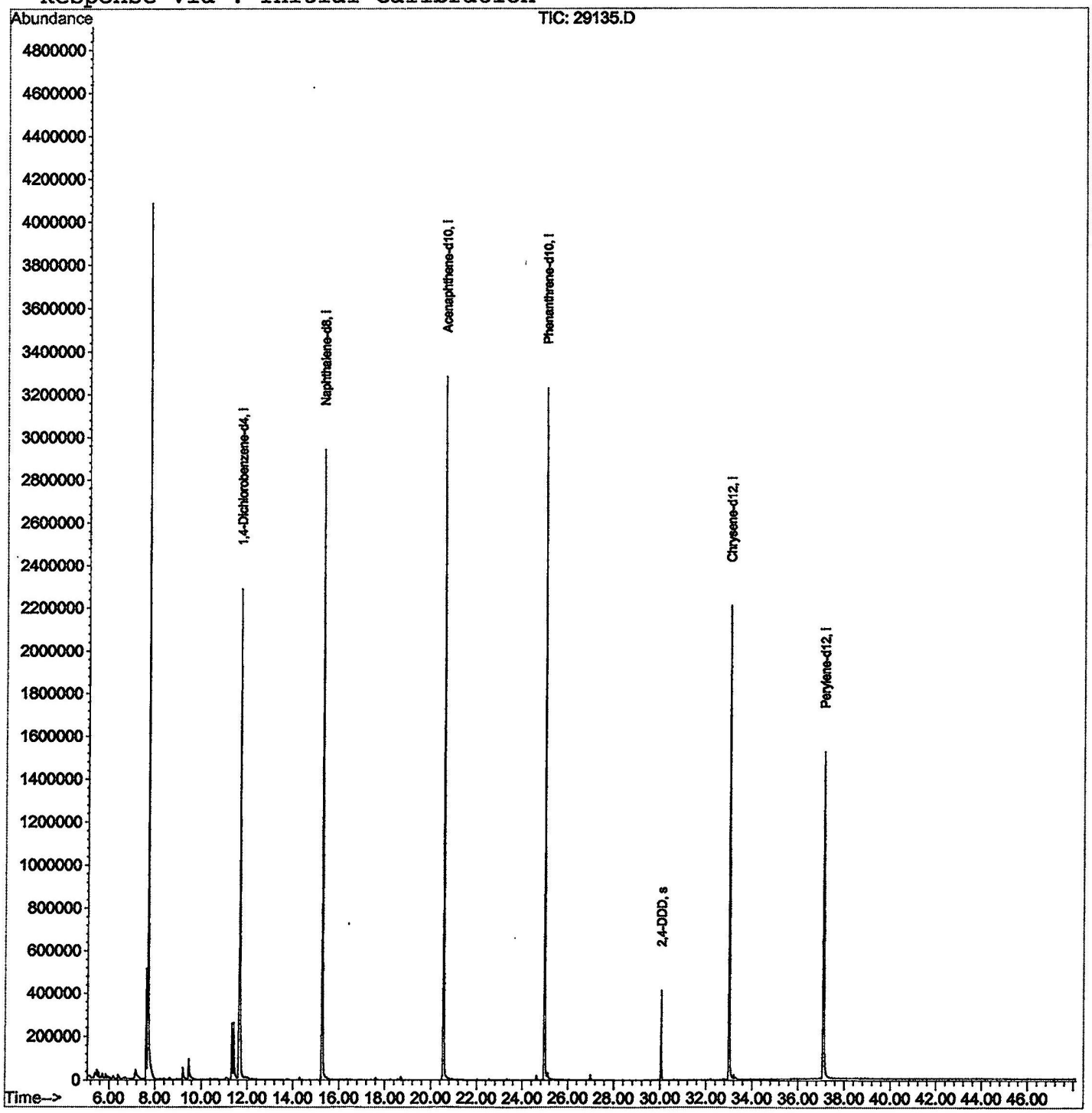
NYC-WTC_000036067

NYC 9/11 Public Portal Document

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29135.D Vial: 22
Acq On : 11 Dec 2001 7:12 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 15:31 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



NYC-WTC_000036068

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LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29135.D Vial: 22
Acq On : 11 Dec 2001 7:12 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	5.390	32	38	43	rBV5	24125	93317	1.06%	0.185%
2	7.162	224	231	246	rBV3	38962	187816	2.13%	0.372%
3	7.603	275	279	284	rBV	512330	1030211	11.67%	2.040%
4	7.694	284	289	319	rVB	4080860	8825658	100.00%	17.473%
5	9.209	450	454	466	rBV	54050	172885	1.96%	0.342%
6	9.475	479	483	495	rBV	94232	282000	3.20%	0.558%
7	11.321	681	684	690	rBV	255864	556084	6.30%	1.101%
8	11.403	690	693	710	rVV	257470	684250	7.75%	1.355%
9	11.669	713	722	741	rVV2	2279717	6142156	69.59%	12.160%
10	15.268	1107	1114	1132	rBV	2941653	6992277	79.23%	13.843%
11	20.556	1681	1690	1708	rBV	3283856	7537663	85.41%	14.923%
12	24.972	2164	2171	2183	rBV2	3228981	7200817	81.59%	14.256%
13	25.119	2183	2187	2197	rVB	28593	93316	1.06%	0.185%
14	30.048	2719	2724	2735	rBV	414211	834951	9.46%	1.653%
15	33.004	3040	3046	3065	rBV2	2208858	5461408	61.88%	10.812%
16	37.099	3484	3492	3510	rBV2	1518052	4416671	50.04%	8.744%

Sum of corrected areas: 50511480

29135.D GCMS1126.M Fri Dec 14 16:04:42 2001

NYC-WTC_000036069

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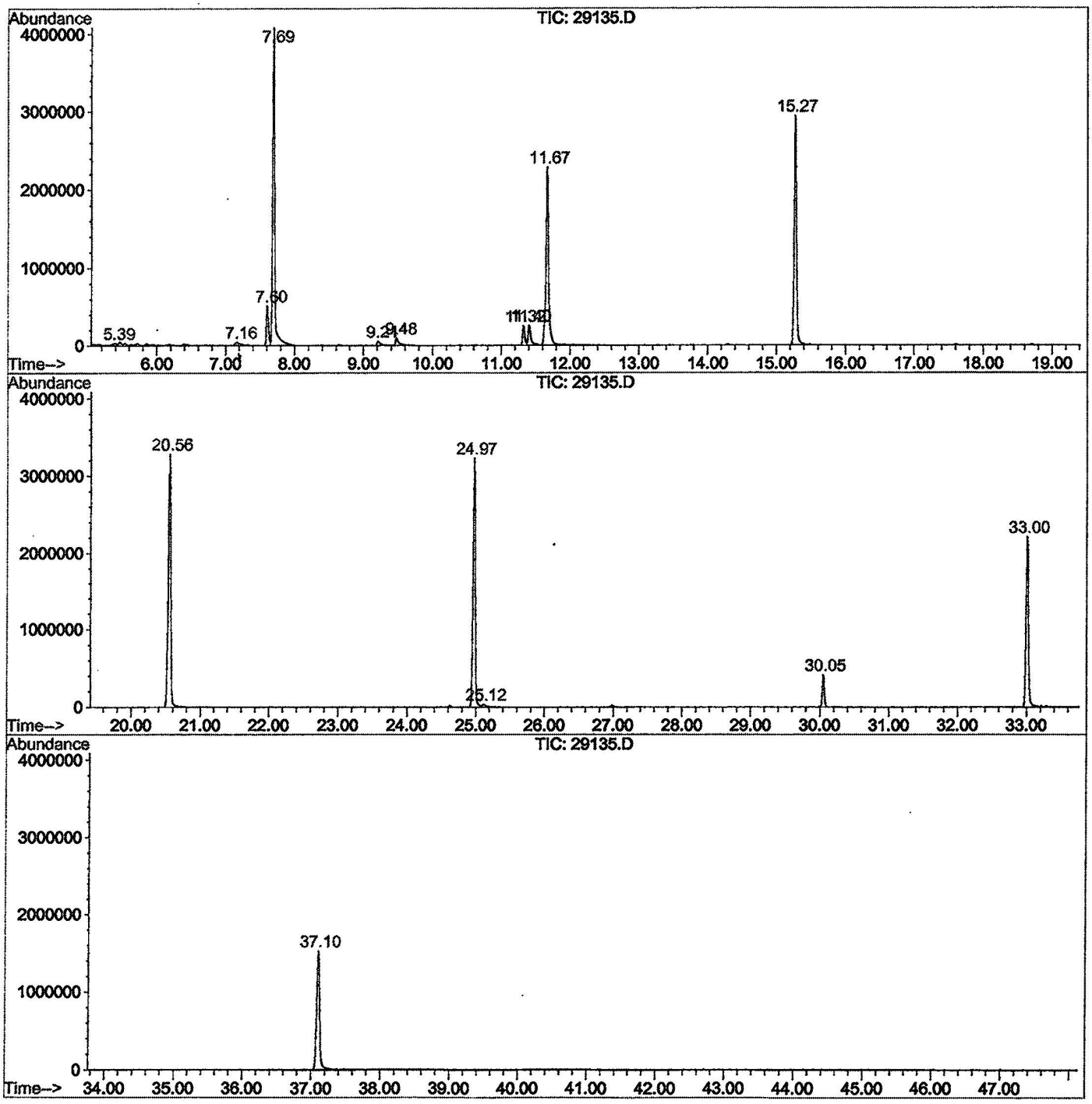
LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC1001\29135.D
Operator : 209 GALOS
Acquired : 11 Dec 2001 7:12 am using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: gc/ms scan 12/3
Misc Info :
Vial Number: 22
Quant File :GCMS1126.RES (RTE Integrator)



29135.D GCMS1126.M Fri Dec 14 16:04:49 2001

NYC-WTC_000036070

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29135.D
Acq On : 11 Dec 2001 7:12 am
Sample : gc/ms scan 12/3
Misc :
MS Integration Params: LSCINT.P

Vial: 22
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

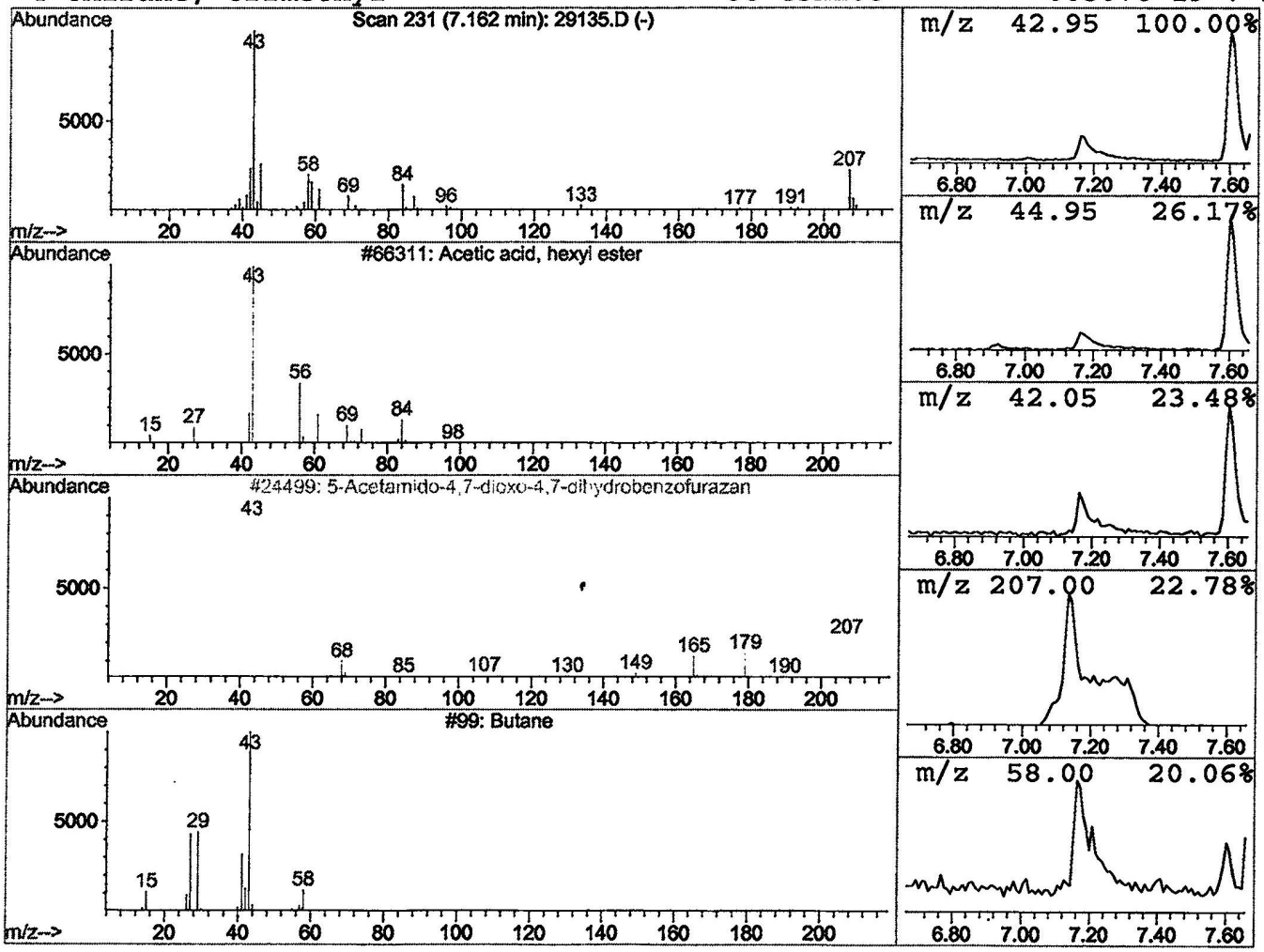
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Acetic acid, hexyl ester Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	0.61 ug/l	187816	1,4-Dichlorobenzene-d4	11.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, hexyl ester	144	C8H16O2	000142-92-7	10
2	5-Acetamido-4,7-dioxo-4,7-dihydrobe	207	C8H5N3O4	000000-00-0	10
3	Butane	58	C4H10	000106-97-8	9
4	Oxirane, trimethyl-	86	C5H10O	005076-19-7	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29135.D
Acq On : 11 Dec 2001 7:12 am
Sample : gc/ms scan 12/3
Misc :
MS Integration Params: LSCINT.P

Vial: 22
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

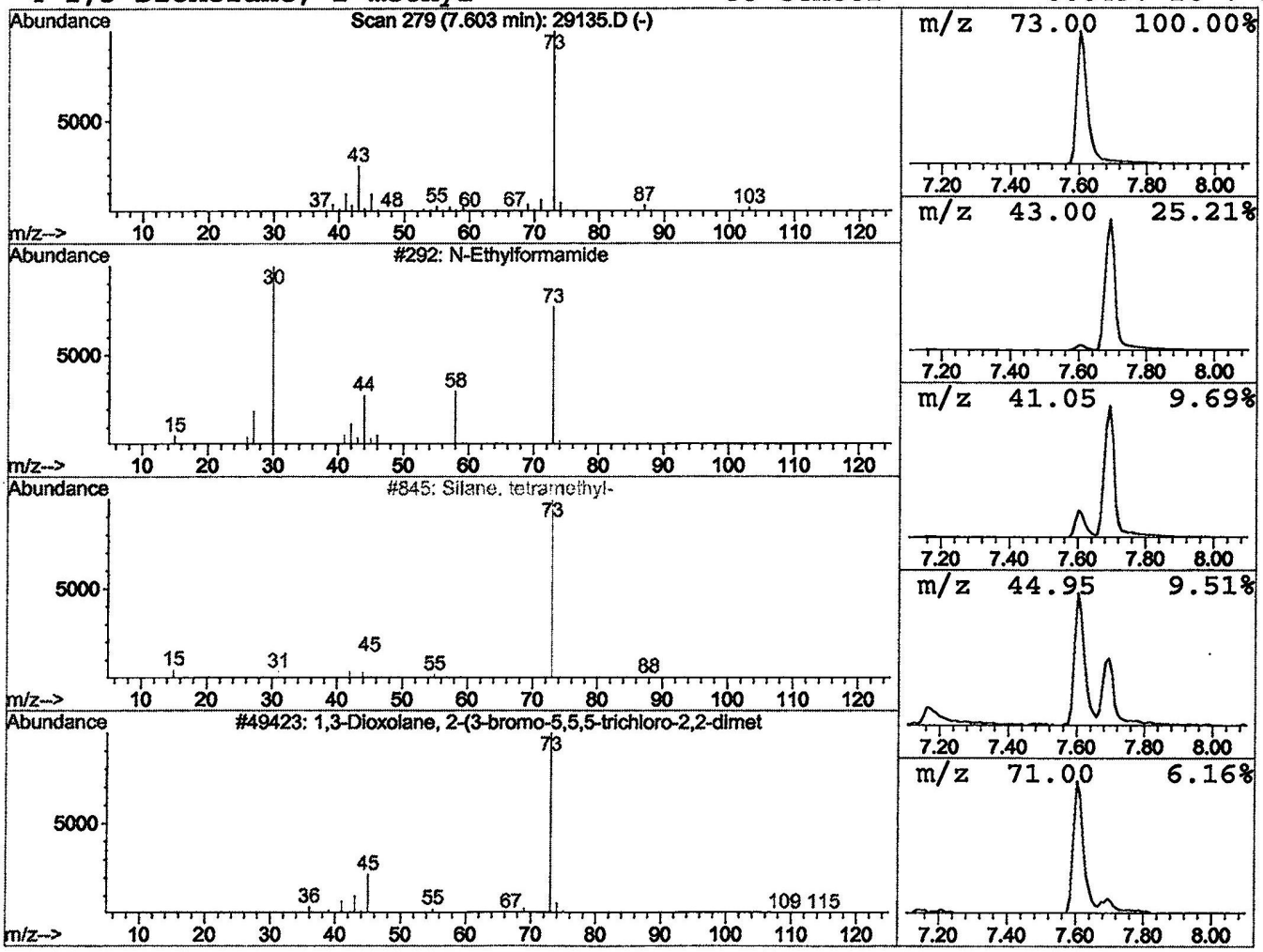
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 N-Ethylformamide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	3.35 ug/l	1030210	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	1,3-Dioxolane, 2-(3-bromo-5,5,5-tri	352	C10H16BrCl3O2	000000-00-0	9
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	5



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29135.D
Acq On : 11 Dec 2001 7:12 am
Sample : gc/ms scan 12/3
Misc :
MS Integration Params: LSCINT.P

Vial: 22
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

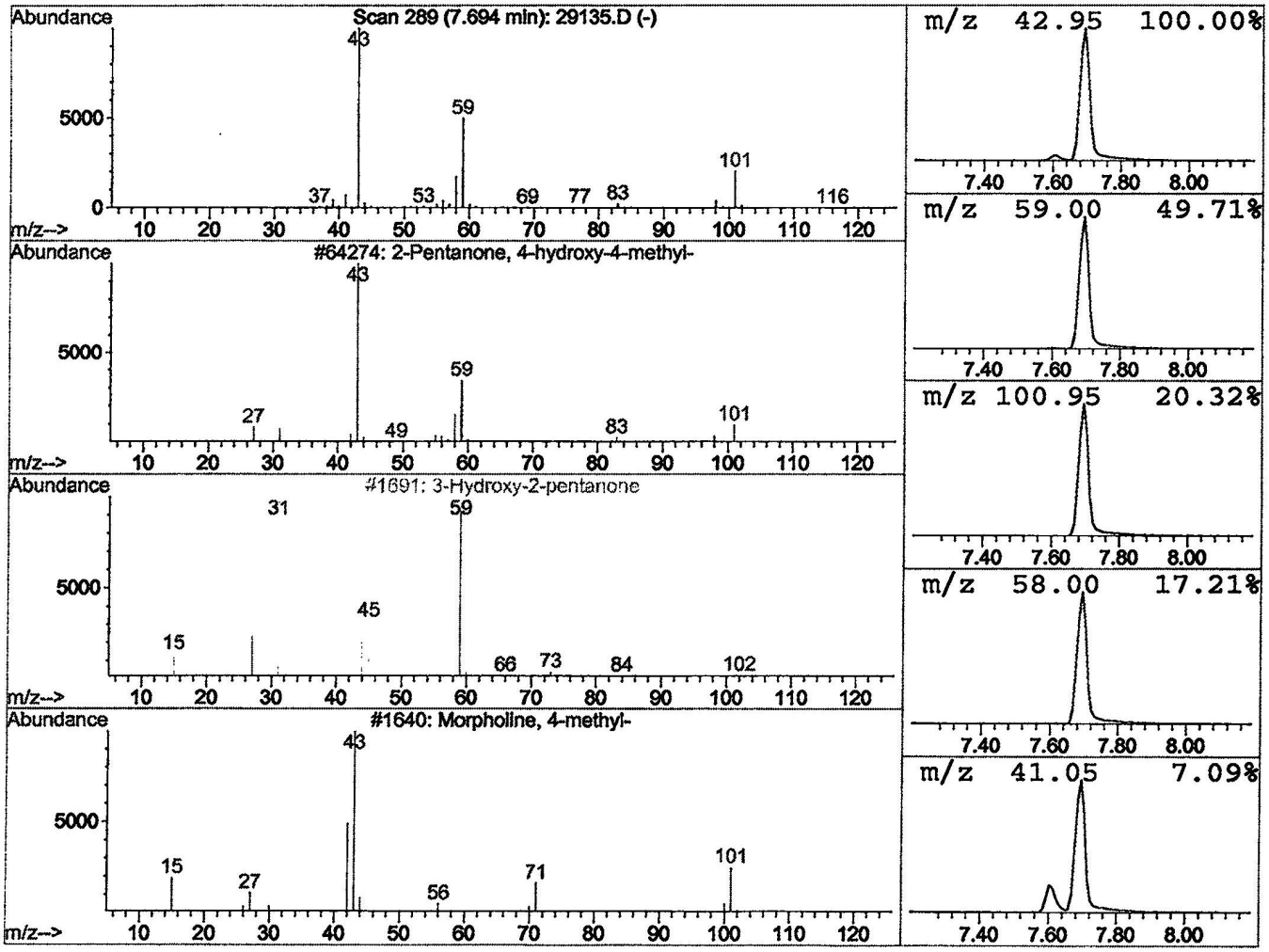
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	28.74 ug/l	8825660	1,4-Dichlorobenzene-d4	11.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	3-Hydroxy-2-pentanone	102	C5H10O2	003142-66-3	9
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	Acetone	58	C3H6O	000067-64-1	9



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Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29135.D
Acq On : 11 Dec 2001 7:12 am
Sample : gc/ms scan 12/3
Misc :
MS Integration Params: LSCINT.P

Vial: 22
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

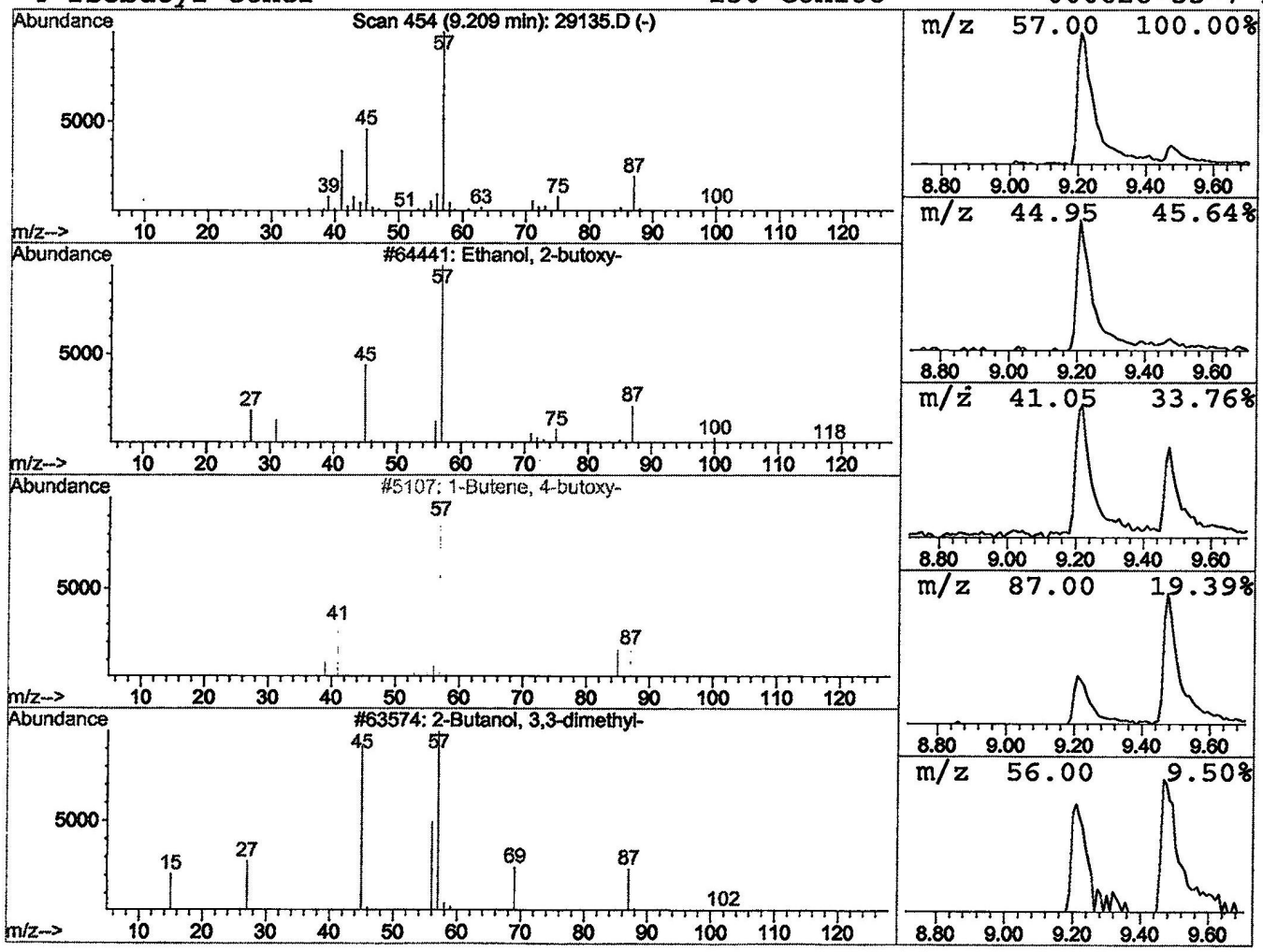
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Ethanol, 2-butoxy- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	0.56 ug/l	172885	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	1-Butene, 4-butoxy-	128	C8H16O	034061-76-2	23
3	2-Butanol, 3,3-dimethyl-	102	C6H14O	000464-07-3	17
4	Isobutyl ether	130	C8H18O	000628-55-7	12



NYC-WTC_000036074

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29135.D
Acq On : 11 Dec 2001 7:12 am
Sample : gc/ms scan 12/3
Misc :
MS Integration Params: LSCINT.P

Vial: 22
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

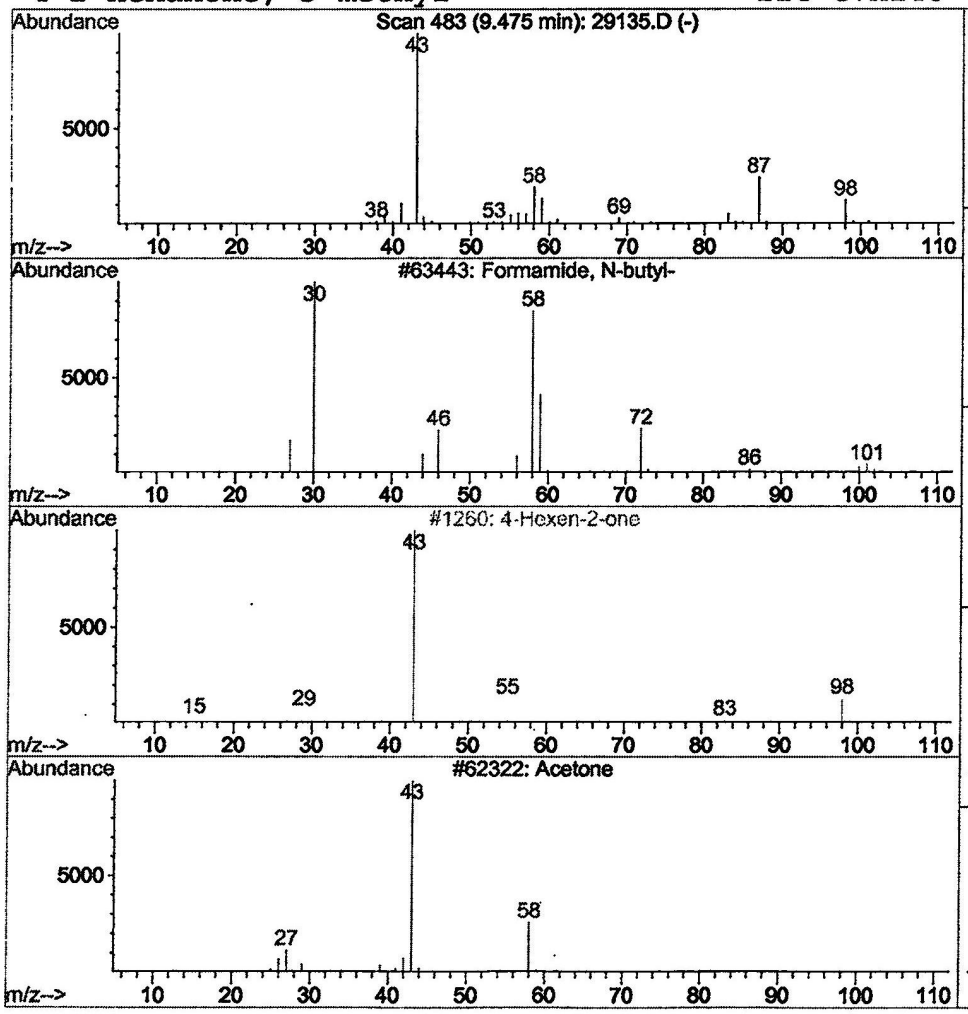
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

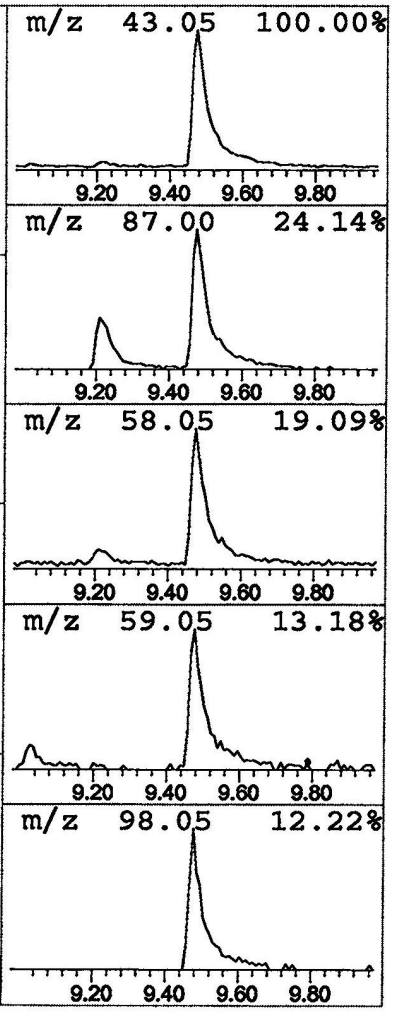
****

Peak Number 5 Formamide, N-butyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	0.92 ug/l	282000	1,4-Dichlorobenzene-d4	11.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Formamide, N-butyl-	101	C5H11NO	000871-71-6	9
2	4-Hexen-2-one	98	C6H10O	025659-22-7	9
3	Acetone	58	C3H6O	000067-64-1	9
4	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	9





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29135.D
Acq On : 11 Dec 2001 7:12 am
Sample : gc/ms scan 12/3
Misc :
MS Integration Params: LSCINT.P

Vial: 22
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

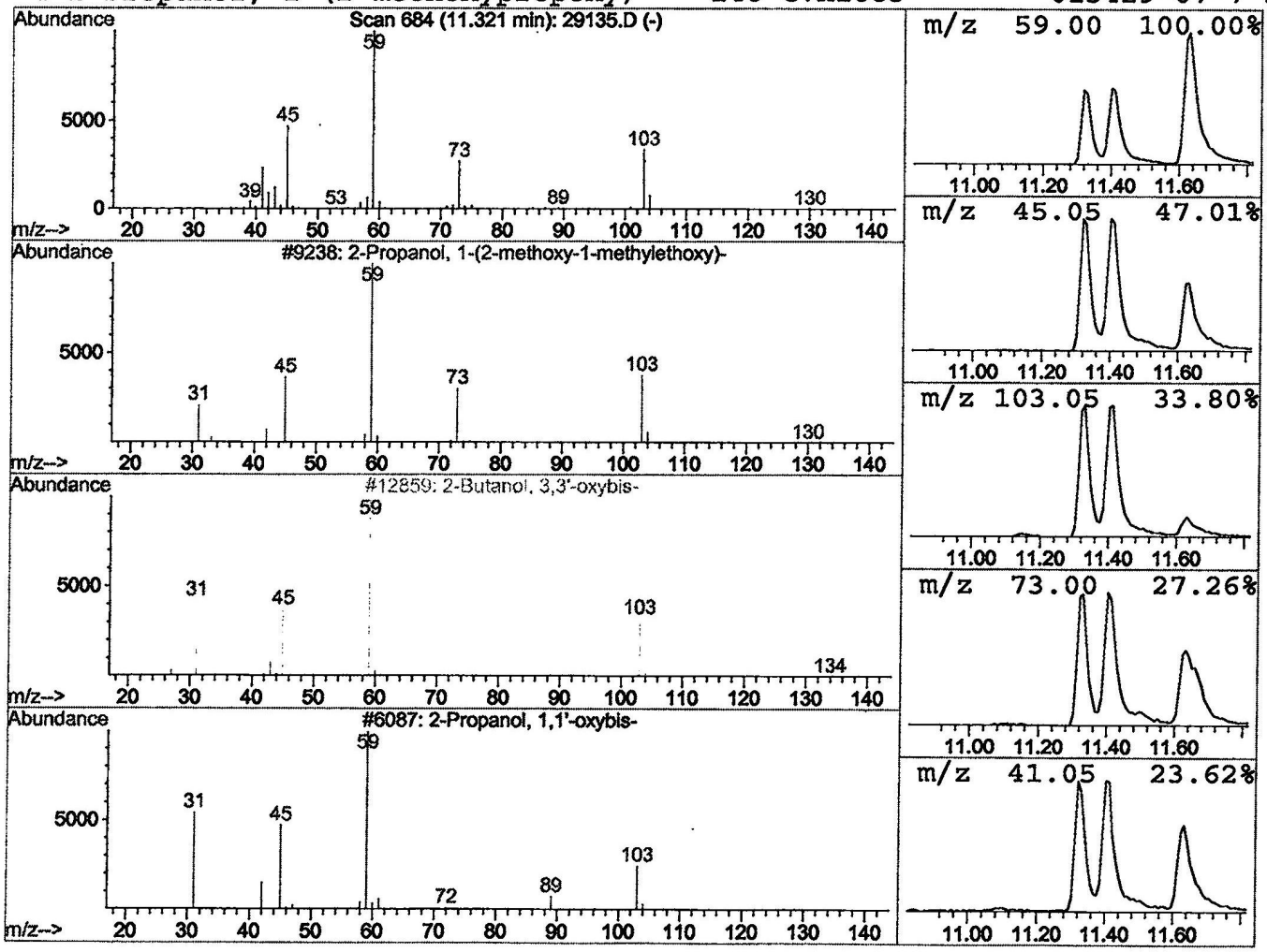
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 2-Propanol, 1-(2-methoxy-1-met Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	1.81 ug/l	556084	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, 1,1'-oxybis-	134	C6H14O3	000110-98-5	50
4	2-Propanol, 1-(2-methoxypropoxy)-	148	C7H16O3	013429-07-7	50



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1001\29135.D
Acq On : 11 Dec 2001 7:12 am
Sample : gc/ms scan 12/3
Misc :
MS Integration Params: LSCINT.P

Vial: 22
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

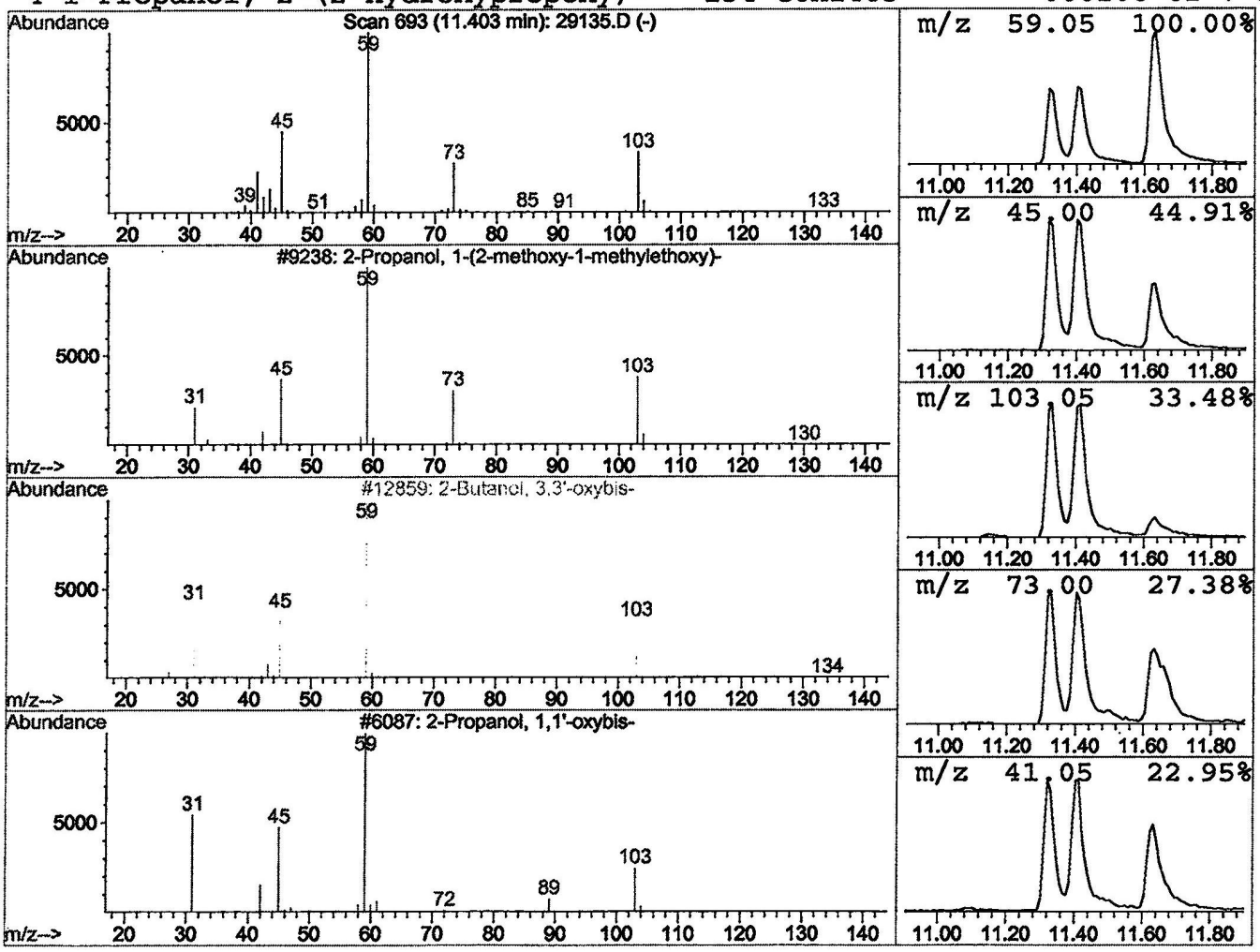
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 7 2-Propanol, 1-(2-methoxy-1-met Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	2.23 ug/l	684250	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	64
3	2-Propanol, 1,1'-oxybis-	134	C6H14O3	000110-98-5	56
4	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	53



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 11 Dec 2001 7:12 am
Data File: C:\HPCHEM\1\DATA\DEC1001\29135.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
Acetic acid, hexyl e	7.16	0.6	ug/l	187816	ISTD01	11.67	6142160	20.0
N-Ethylformamide	7.60	3.4	ug/l	1030210	ISTD01	11.67	6142160	20.0
2-Pentanone, 4-hydro	7.69	28.7	ug/l	8825660	ISTD01	11.67	6142160	20.0
Ethanol, 2-butoxy-	9.21	0.6	ug/l	172885	ISTD01	11.67	6142160	20.0
Formamide, N-butyl-	9.48	0.9	ug/l	282000	ISTD01	11.67	6142160	20.0
2-Propanol, 1-(2-met	11.32	1.8	ug/l	556084	ISTD01	11.67	6142160	20.0
2-Propanol, 1-(2-met	11.40	2.2	ug/l	684250	ISTD01	11.67	6142160	20.0

29135.D GCMS1126.M Fri Dec 14 16:05:25 2001