User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 12/10/2001 Time: 14:58:03

Sample: AD26538
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/10/01 14:57 Ended: 12/10/01 14:57 Analyst: MG
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		see comment

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0601\26538.D Vial: 13
Acq On : 6 Dec 2001 9:06 pm Operator: GALOS
Sample : gc/ms unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 7 10:13 2001 Quant Results File: NP112701.RES

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Last Update : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration
DataAcq Meth : NP112701

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.89	152	895417	20.00	ng/uL	-0.04
19) Naphthalene-d8	15.50	136	3371587	20.00	ng/uL	-0.04
31) Acenaphthene-d10	20.77	164	1519700	20.00	ng/uL	-0.05
49) Phenanthrene-d10	25.18	188	2163732	20.00	ng/uL	-0.06
59) Chrysene-d12	33.18	240	1415469	20.00	ng/uL	-0.06
68) Perylene-d12	37.27	264	906980	20.00	ng/uL	-0.06
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ng/uL	
Spiked Amount 75.000	Range 18 - 42		Recovery =	0.00%#		
5) Phenol-d5	0.00	99	0	0.00	ng/uL	
Spiked Amount 75.000	Range 19 - 32		Recovery =	0.00%#		
6) 2-Chlorophenol-d4	0.00	132	0	0.00	ng/uL	
Spiked Amount 75.000	Range 34 - 84		Recovery =	0.00%#		
7) 1,2-Dichlorobenzene-d4	12.27	152	297	0.01	ng/uL	-0.19
Spiked Amount 50.000	Range 26 - 73		Recovery =	0.02%#		
20) Nitrobenzene-d5	0.00	82	0	0.00	ng/uL	
Spiked Amount 50.000	Range 55 - 98		Recovery =	0.00%#		
32) 2-Fluorobiphenyl	18.92	172	1418	0.01	ng/uL	0.08
Spiked Amount 50.000	Range 42 - 78		Recovery =	0.02%#		
33) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng/uL	
Spiked Amount 75.000	Range 45 - 96		Recovery =	0.00%#		
62) Terphenyl-d14	0.00	244	0	0.00	ng/uL	
Spiked Amount 50.000	Range 58 - 98		Recovery =	0.00%#		
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitrosodimethylamine	0.00	74	0	N.D.		
8) Phenol	0.00	94	0	N.D.		
9) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
10) 2-Chlorophenol	0.00	128	0	N.D.		
11) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
12) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
13) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
14) 2-Methylphenol	0.00	108	0	N.D.		
15) 2,2'-oxybis(1-Chloropropan	12.90	45	1682	N.D.		
16) 3&4-Methylphenol	0.00	108	0	N.D.		
17) N-Nitrosodi-n-propylamine	0.00	70	0	N.D.		
18) Hexachloroethane	0.00	117	0	N.D.		
21) Nitrobenzene	0.00	77	0	N.D.		
22) Isophorone	0.00	82	0	N.D.		

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

Quantitation Report (QT Reviewed)

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Acq On : 6 Dec 2001 9:06 pm Operator: GALOS
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Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
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Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Last Update : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration
DataAcq Meth : NP112701

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
72)	Benzo(a)pyrene	37.27	252	2539	N.D.	
73)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
74)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
75)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

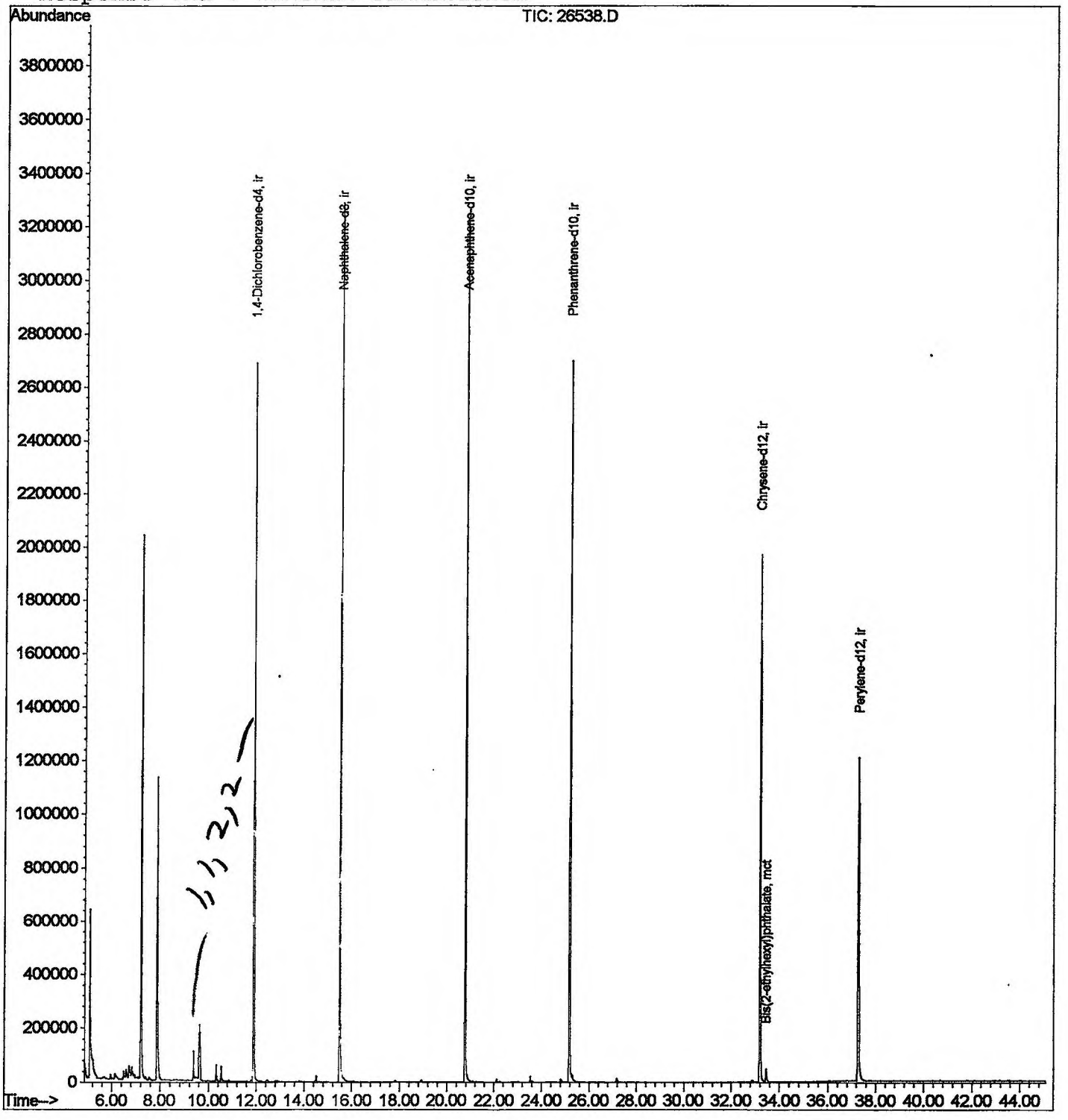
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DEC0601\26538.D
Acq On : 6 Dec 2001 9:06 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 7 10:13 2001

Vial: 13
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: NP112701.RES

Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Last Update : Fri Dec 07 09:59:59 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC0601\26538.D Vial: 13
Acq On : 6 Dec 2001 9:06 pm Operator: GALOS
Sample : gc/ms unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/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

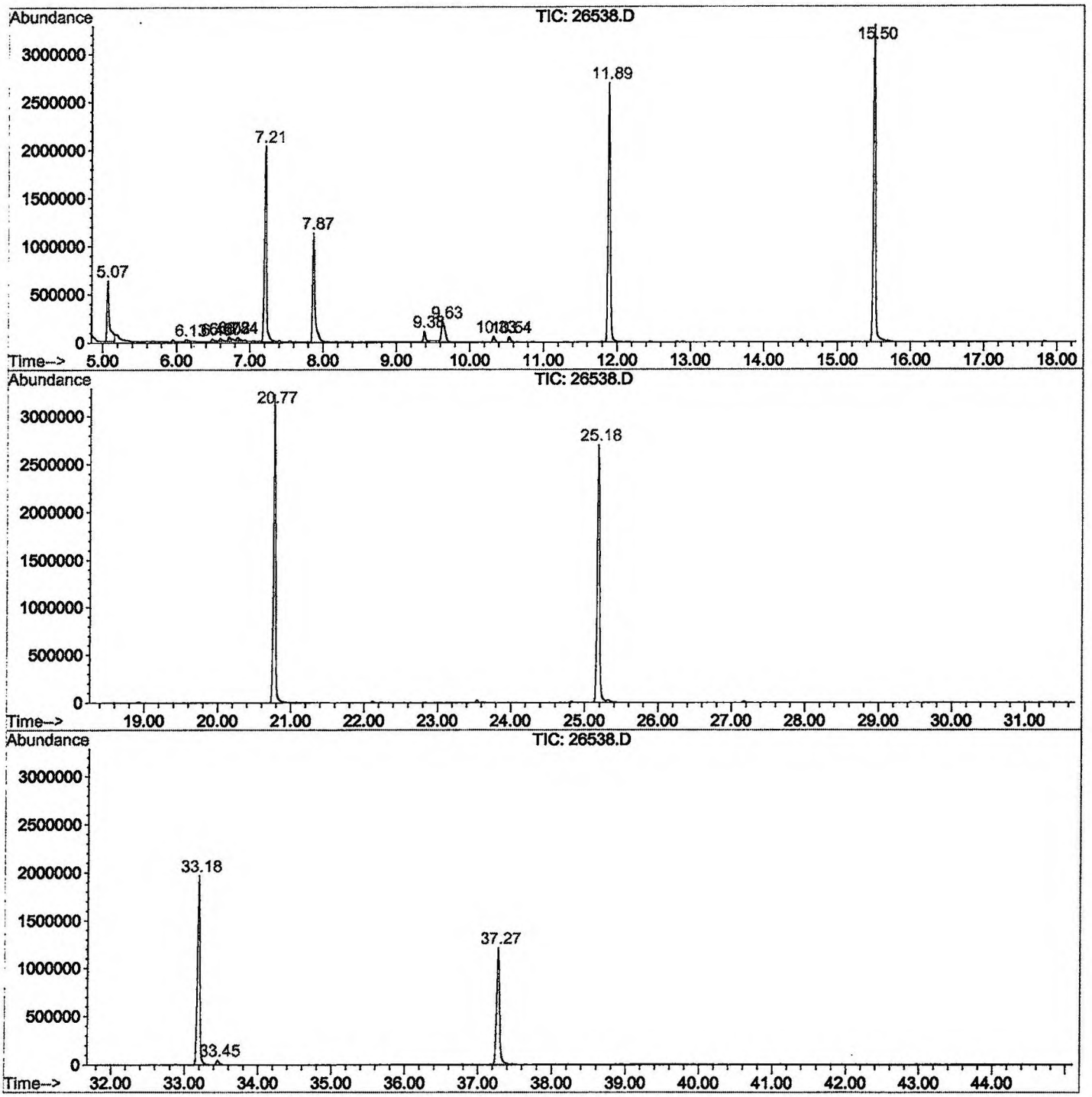
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	5.069	21	25	35	rBV	628009	1470278	21.47%	3.440%
2	6.132	137	141	148	rBV	22059	74391	1.09%	0.174%
3	6.490	175	180	188	rBV	31525	99390	1.45%	0.233%
4	6.600	188	192	201	rVB	30191	73174	1.07%	0.171%
5	6.719	201	205	208	rBV	45112	103771	1.52%	0.243%
6	6.839	214	218	225	rVB	33191	81449	1.19%	0.191%
7	7.215	253	259	276	rVB	2031629	3997927	58.37%	9.354%
8	7.866	326	330	347	rBV	1130085	2462588	35.95%	5.762%
9	9.379	490	495	503	rBV	110171	234532	3.42%	0.549%
10	9.626	517	522	536	rVB2	206612	748252	10.92%	1.751%
11	10.332	595	599	608	rBV	61478	128602	1.88%	0.301%
12	10.543	618	622	630	rBV	56397	119273	1.74%	0.279%
13	11.891	763	769	788	rBV	2690272	5575415	81.40%	13.045%
14	15.504	1157	1163	1181	rBV	3289334	6849139	100.00%	16.025%
15	20.768	1731	1737	1762	rBV	3227320	6737964	98.38%	15.764%
16	25.179	2212	2218	2230	rBV2	2698862	6058770	88.46%	14.175%
17	33.184	3085	3091	3105	rBV2	1968566	4486513	65.50%	10.497%
18	33.450	3116	3120	3131	rVB	48268	127435	1.86%	0.298%
19	37.274	3529	3537	3561	rBV2	1205468	3312600	48.37%	7.750%

Sum of corrected areas: 42741463

26538.D NP112701.M Fri Dec 07 14:46:59 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0601\26538.D
Operator : GALOS
Acquired : 6 Dec 2001 9:06 pm using AcqMethod NP112701
Instrument : GC/MS Ins
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 13
Quant File :NP112701.RES (RTE Integrator)



26538.D NP112701.M Fri Dec 07 14:47:02 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\26538.D
Acq On : 6 Dec 2001 9:06 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 13
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

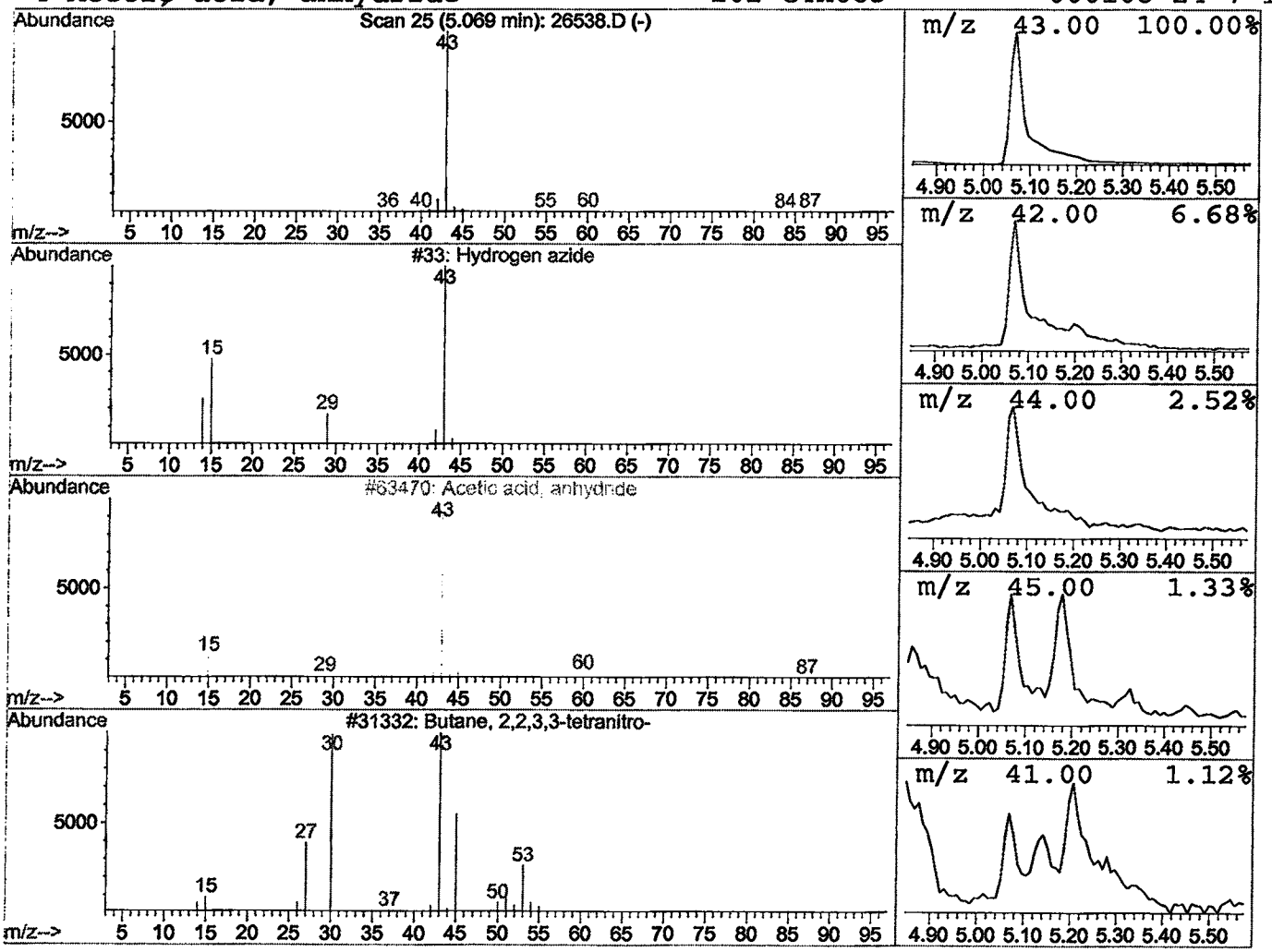
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Hydrogen azide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	5.27 ng/uL	1470280	1,4-Dichlorobenzene-d4	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrogen azide	43	HN3	007782-79-8	4
2	Acetic acid, anhydride	102	C4H6O3	000108-24-7	2
3	Butane, 2,2,3,3-tetranitro-	238	C4H6N4O8	020919-97-5	1
4	Acetic acid, anhydride	102	C4H6O3	000108-24-7	1



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\26538.D Vial: 13
Acq On : 6 Dec 2001 9:06 pm Operator: GALOS
Sample : gc/ms unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

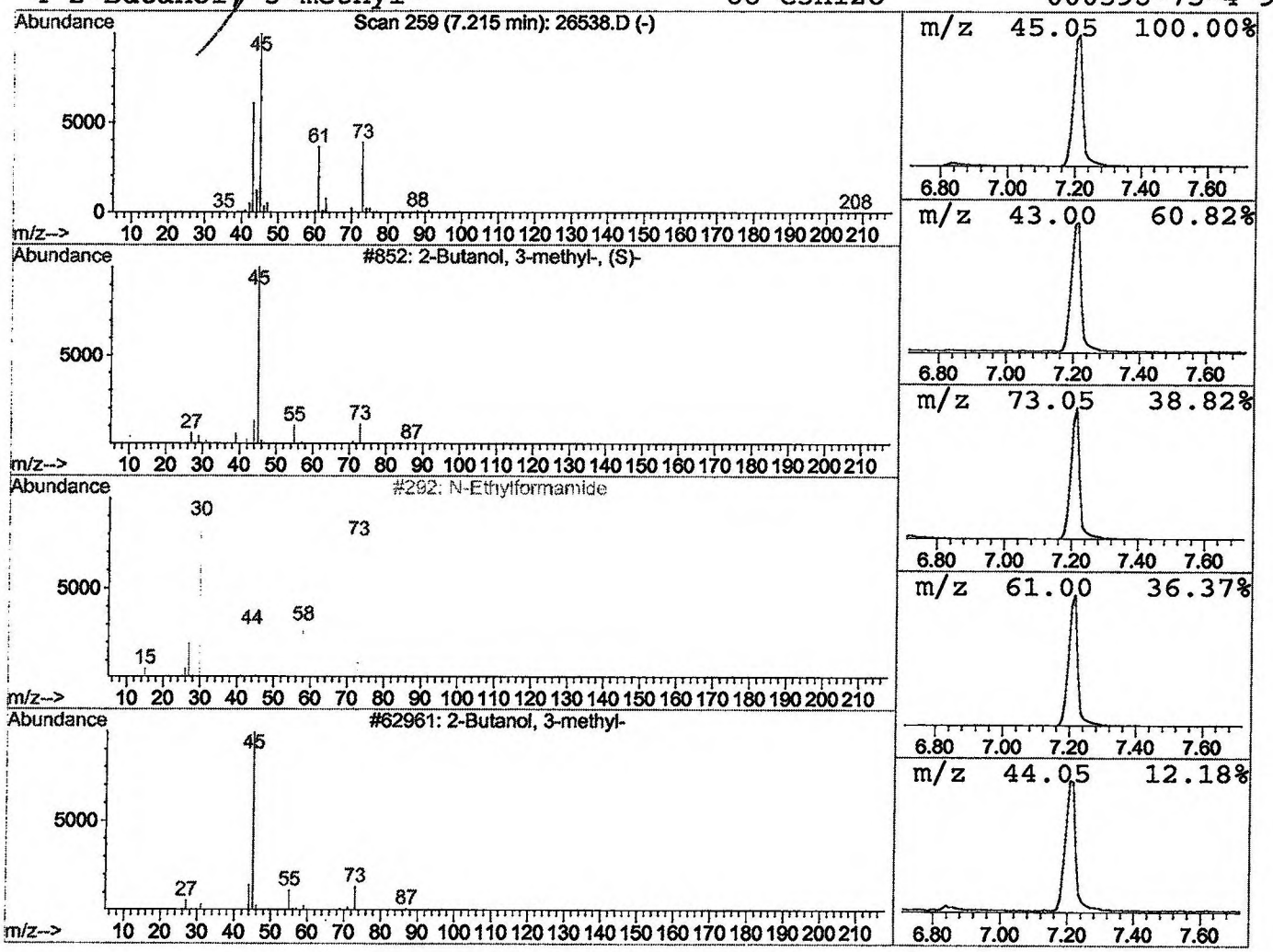
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Butanol, 3-methyl-, (S)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	14.34 ng/uL	3997930	1,4-Dichlorobenzene-d4	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 3-methyl-, (S)-	88	C5H12O	001517-66-4	42
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	2-Butanol, 3-methyl-	88	C5H12O	000598-75-4	9
4	2-Butanol, 3-methyl-	88	C5H12O	000598-75-4	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\26538.D Vial: 13
Acq On : 6 Dec 2001 9:06 pm Operator: GALOS
Sample : gc/ms unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

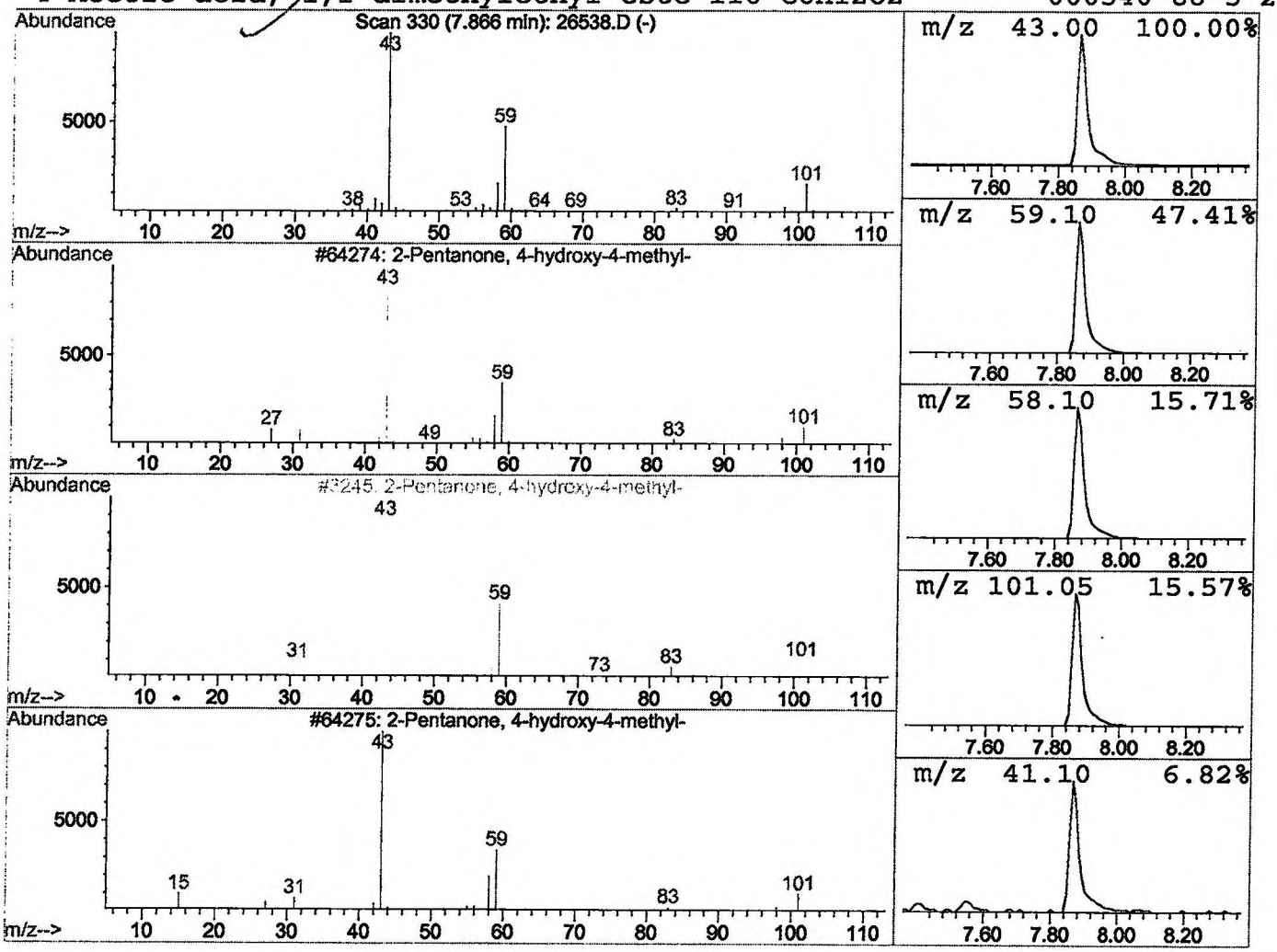
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.87	8.83 ng/uL	2462590	1,4-Dichlorobenzene-d4	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	43
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
4	Acetic acid, 1,1-dimethylethyl este	116	C6H12O2	000540-88-5	28



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\26538.D Vial: 13
Acq On : 6 Dec 2001 9:06 pm Operator: GALOS
Sample : gc/ms unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

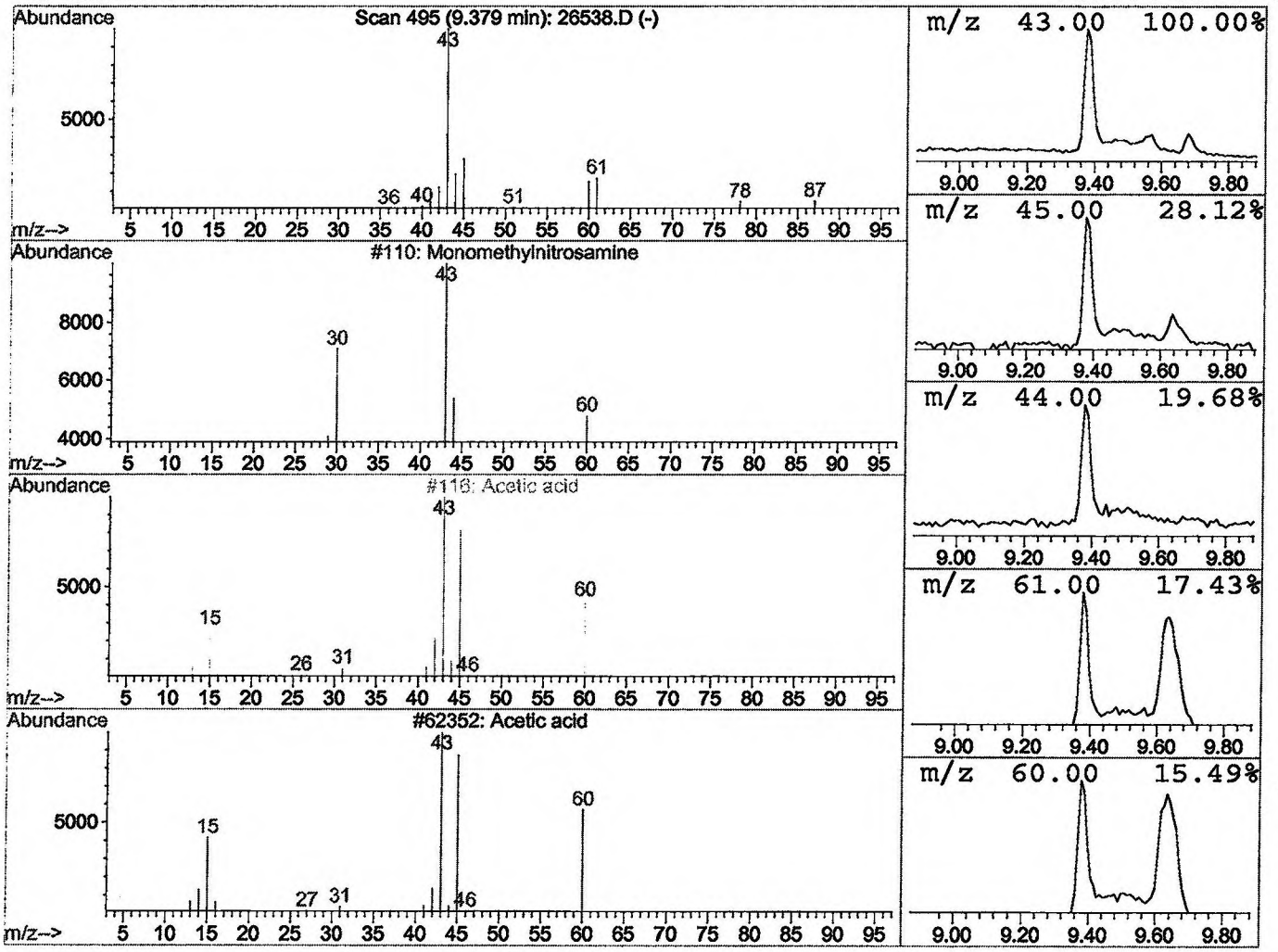
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Monomethylnitrosamine Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.38	0.84 ng/uL	234532	1,4-Dichlorobenzene-d4	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Monomethylnitrosamine	60	CH4N2O	000000-00-0	7
2	Acetic acid	60	C2H4O2	000064-19-7	7
3	Acetic acid	60	C2H4O2	000064-19-7	4
4	Acetic acid	60	C2H4O2	000064-19-7	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\26538.D Vial: 13
Acq On : 6 Dec 2001 9:06 pm Operator: GALOS
Sample : gc/ms unknown Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

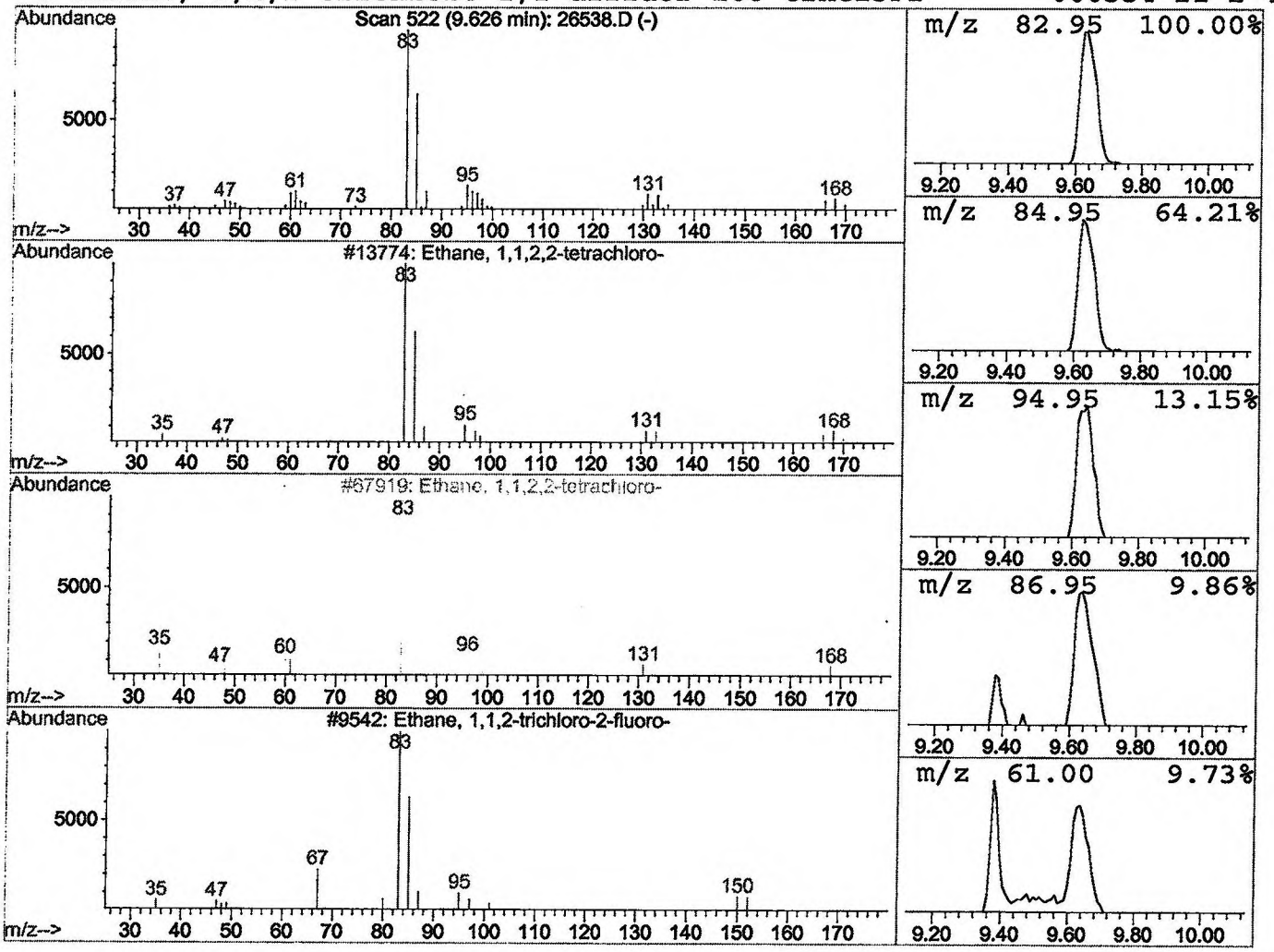
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Ethane, 1,1,2,2-tetrachloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	2.68 ng/uL	748252	1,4-Dichlorobenzene-d4	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	95
2	Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	93
3	Ethane, 1,1,2-trichloro-2-fluoro-	150	C2H2Cl3F	000359-28-4	72
4	Ethane, 1,2,2-trichloro-1,1-difluor	168	C2HCl3F2	000354-21-2	49



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\26538.D
Acq On : 6 Dec 2001 9:06 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 13
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

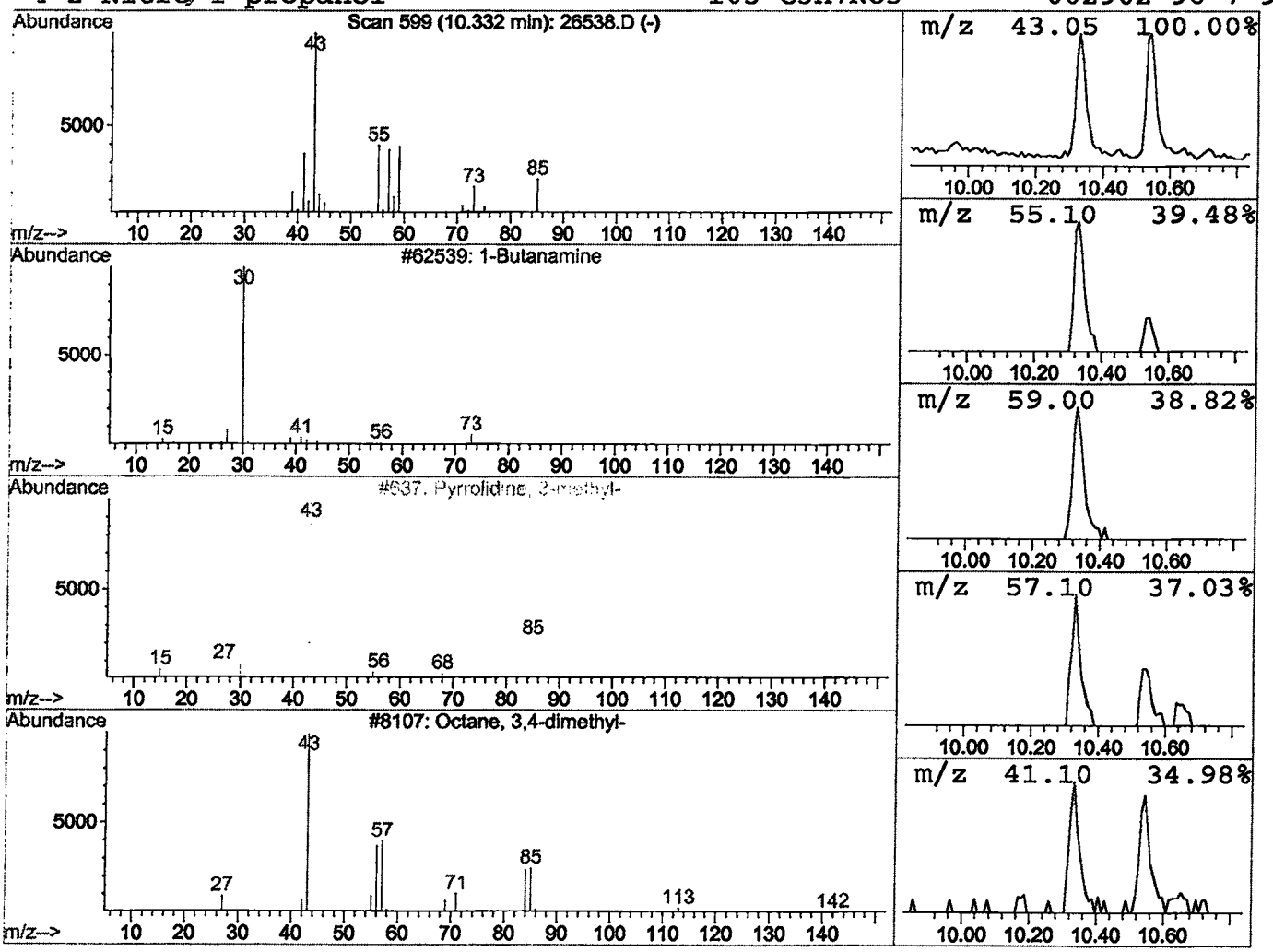
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 1-Butanamine Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	0.46 ng/uL	128602	1,4-Dichlorobenzene-d4	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanamine	73	C4H11N	000109-73-9	9
2	Pyrrolidine, 3-methyl-	85	C5H11N	034375-89-8	9
3	Octane, 3,4-dimethyl-	142	C10H22	015869-92-8	9
4	2-Nitro-1-propanol	105	C3H7NO3	002902-96-7	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0601\26538.D
Acq On : 6 Dec 2001 9:06 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 13
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

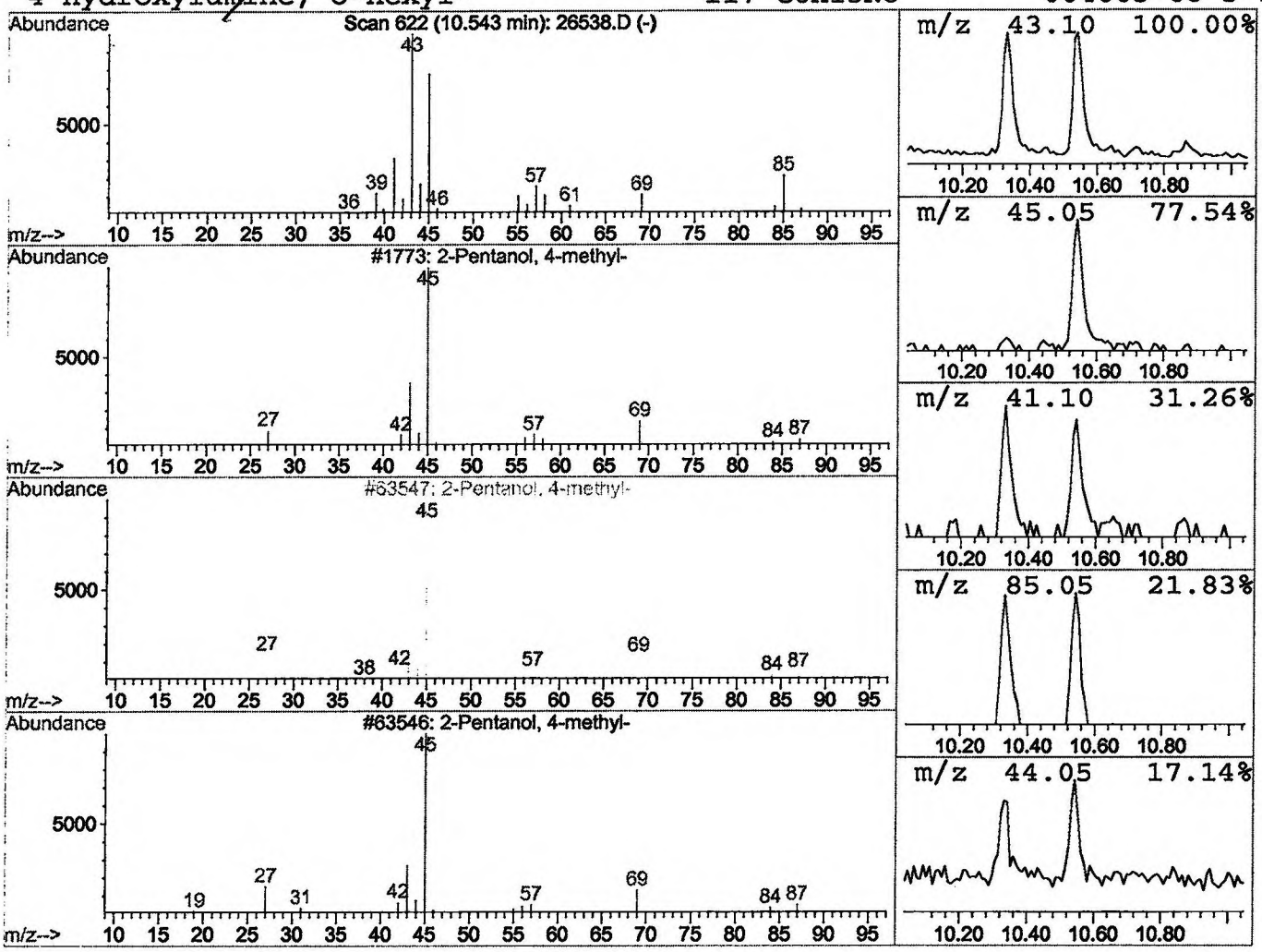
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 7 2-Pentanol, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	0.43 ng/uL	119273	1,4-Dichlorobenzene-d4	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	33
2	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	33
3	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	28
4	Hydroxylamine, O-hexyl-	117	C6H15NO	004665-68-3	12



Tentatively Identified Compound (LSC) summary

Operator ID: GALOS Date Acquired: 6 Dec 2001 9:06 pm
Data File: C:\HPCHEM\1\DATA\DEC0601\26538.D
Name: gc/ms unknown
Misc:
Method: C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title: 208 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Hydrogen azide	5.07	5.3	ng/uL	1470280	ISTD01	11.89	5575420	20.0
2-Butanol, 3-methyl-	7.21	14.3	ng/uL	3997930	ISTD01	11.89	5575420	20.0
2-Pentanone, 4-hydro	7.87	8.8	ng/uL	2462590	ISTD01	11.89	5575420	20.0
Monomethylnitrosamin	9.38	0.8	ng/uL	234532	ISTD01	11.89	5575420	20.0
Ethane, 1,1,2,2-tetr	9.63	2.7	ng/uL	748252	ISTD01	11.89	5575420	20.0
1-Butanamine	10.33	0.5	ng/uL	128602	ISTD01	11.89	5575420	20.0
2-Pentanol, 4-methyl	10.54	0.4	ng/uL	119273	ISTD01	11.89	5575420	20.0

26538.D NP112701.M Fri Dec 07 14:47:18 2001

Comments for Sample AD26538 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-16-2001 Time: 11:29:02

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds, except for the presence of bis(2-Ethylhexyl)phthalate at an estimated level of 0.46 ug/L, and 1,1,2,2-Tetrachloroethane at an estimated level of 2.7 ug/L and with a fit of 95 out of 100.

Comments for Sample AD26538 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-31-2001 Time: 10:21:46

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds, except for the presence of bis(2-Ethylhexyl)phthalate at an estimated level of 0.46 ug/L, and 1,1,2,2-Tetrachloroethane at an estimated level of 2.7 ug/L and with a fit of 95 out of 100. These 2 compounds were also present in the Laboratory Blank at 0.33 ug/L and 2.90 ug/L respectively.