User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 12/04/2001 Time: 14:37:01

Sample: AD26321
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/4/01 14:36 Ended: 12/4/01 14:36 Analyst: MG
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		see comment

Comments for Sample AD26321 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Galos, Marie
Date: 12-04-2001 Time: 14:37:11

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.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV3001\26321.D Vial: 31
Acq On : 1 Dec 2001 3:30 pm Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 4 12:40 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	11.88	152	995078	20.00	ng/uL	-0.05
19) Naphthalene-d8	15.50	136	3815167	20.00	ng/uL	-0.05
31) Acenaphthene-d10	20.77	164	1758233	20.00	ng/uL	-0.05
49) Phenanthrene-d10	25.18	188	2506768	20.00	ng/uL	-0.06
59) Chrysene-d12	33.19	240	1538674	20.00	ng/uL	-0.06
68) Perylene-d12	37.28	264	1087064	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	12.13	152	729	0.02	ng/uL	-0.33
Spiked Amount 50.000	Range 26 - 73		Recovery =	0.04%#		
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	1862	0.02	ng/uL	0.09
Spiked Amount 50.000	Range 42 - 78		Recovery =	0.04%#		
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	0.00	45	0	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)

Data File : C:\HPCHEM\1\DATA\NOV3001\26321.D Vial: 31
Acq On : 1 Dec 2001 3:30 pm Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
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
23)	2-Nitrophenol	0.00	139	0	N.D.	
24)	2,4-Dimethylphenol	0.00	107	0	N.D.	
25)	bis(2-Chloroethoxy)methane	0.00	93	0	N.D.	
26)	2,4-Dichlorophenol	0.00	162	0	N.D.	
27)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
28)	Naphthalene	15.55	128	476	N.D.	
29)	Hexachlorobutadiene	0.00	225	0	N.D.	
30)	4-Chloro-3-methylphenol	0.00	107	0	N.D.	
34)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
35)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
36)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
37)	2-Chloronaphthalene	0.00	162	0	N.D.	
38)	Dimethylphthalate	0.00	163	0	N.D.	
39)	2,6-Dinitrotoluene	0.00	165	0	N.D.	d
40)	Acenaphthylene	0.00	152	0	N.D.	
41)	Acenaphthene	0.00	153	0	N.D.	
42)	2,4-Dinitrophenol	0.00	184	0	N.D.	
43)	4-Nitrophenol	0.00	65	0	N.D.	
44)	2,4-Dinitrotoluene	0.00	165	0	N.D.	
45)	Diethylphthalate	0.00	149	0	N.D.	
46)	4-Chlorophenylphenylether	0.00	204	0	N.D.	
47)	Fluorene	0.00	166	0	N.D.	
48)	Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.	
50)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
51)	N-Nitrosodiphenylamine	0.00	169	0	N.D.	
52)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
53)	Hexachlorobenzene	0.00	284	0	N.D.	
54)	Pentachlorophenol	0.00	266	0	N.D.	
55)	Phenanthrene	25.25	178	276	N.D.	
56)	Anthracene	25.25	178	276	N.D.	
57)	Di-n-butylphthalate	27.17	149	39180	N.D.	
58)	Fluoranthene	0.00	202	0	N.D.	
60)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.	
61)	Benzidine	0.00	184	0	N.D.	
63)	Pyrene	0.00	202	0	N.D.	
64)	Butylbenzylphthalate	0.00	149	0	N.D.	
65)	Benzo(a)anthracene	33.19	228	3175	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.45	149	6941	N.D.	
67)	Chrysene	33.19	228	3175	N.D.	
69)	Di-n-Octylphthalate	0.00	149	0	N.D.	
70)	Benzo(b)fluoranthene	0.00	252	0	N.D.	

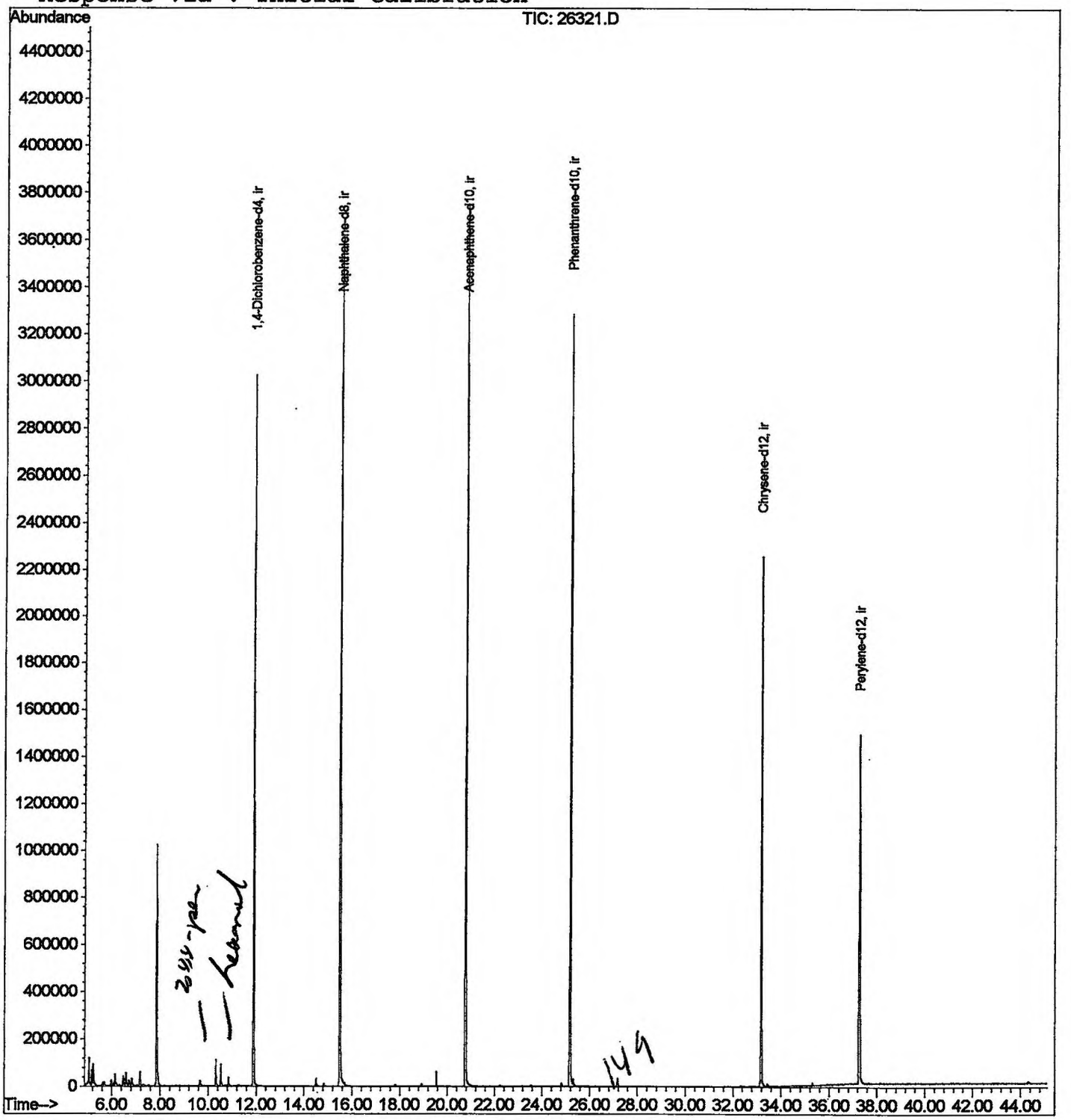
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV3001\26321.D
Acq On : 1 Dec 2001 3:30 pm
Sample : gc/ms unknown 11/3
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 4 12:40 2001

Vial: 31
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 : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\NOV3001\26321.D Vial: 31
Acq On : 1 Dec 2001 3:30 pm Operator: GALOS
Sample : gc/ms unknown 11/3 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

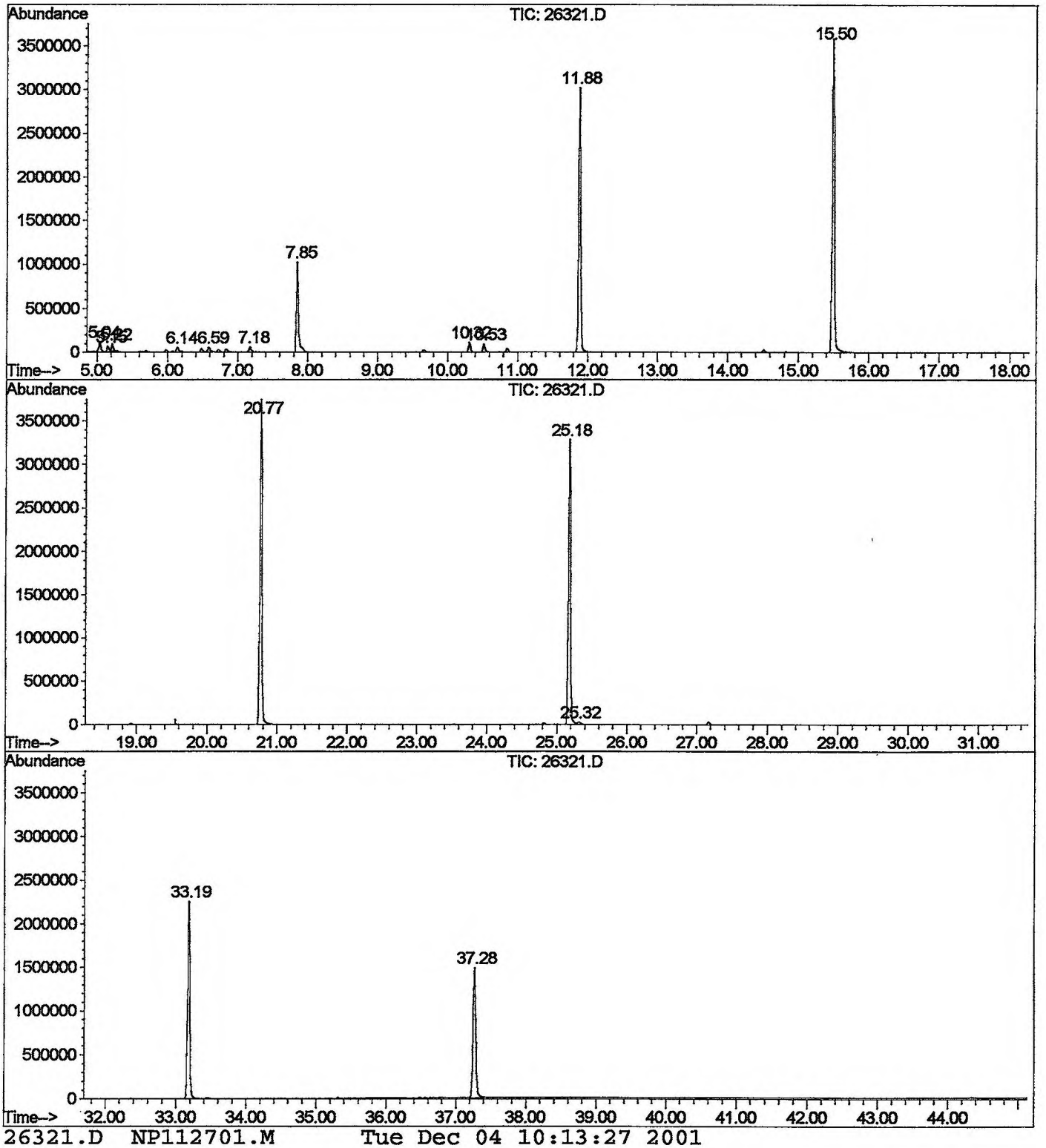
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	5.043	16	22	31	rVB	116411	245200	3.19%	0.604%
2	5.153	31	34	38	rBV	63913	111792	1.45%	0.275%
3	5.217	38	41	46	rVB	82721	142071	1.85%	0.350%
4	6.143	137	142	146	rBV	52075	106647	1.39%	0.263%
5	6.593	187	191	201	rVB	53655	120504	1.57%	0.297%
6	7.180	249	255	262	rBV	58865	120579	1.57%	0.297%
7	7.849	324	328	343	rVB	1023172	2046879	26.61%	5.040%
8	10.316	593	597	604	rBV	111953	211211	2.75%	0.520%
9	10.527	614	620	629	rBV	93148	180667	2.35%	0.445%
10	11.884	762	768	781	rBV	3022180	6026597	78.35%	14.838%
11	15.497	1156	1162	1179	rBV	3590107	7617196	99.03%	18.755%
12	20.770	1731	1737	1754	rBV	3749795	7691706	100.00%	18.938%
13	25.181	2212	2218	2229	rBV2	3281801	6983016	90.79%	17.193%
14	25.318	2229	2233	2244	rVB	28280	78787	1.02%	0.194%
15	33.186	3084	3091	3105	rBV2	2253459	4899562	63.70%	12.063%
16	37.276	3529	3537	3551	rBV2	1481471	4032650	52.43%	9.929%

Sum of corrected areas: 40615064

26321.D NP112701.M Tue Dec 04 10:13:26 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV3001\26321.D
Operator : GALOS
Acquired : 1 Dec 2001 3:30 pm using AcqMethod NP112701
Instrument : GC/MS Ins
Sample Name: gc/ms unknown 11/3
Misc Info :
Vial Number: 31
Quant File :NP112701.RES (RTE Integrator)



26321.D NP112701.M Tue Dec 04 10:13:27 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV3001\26321.D
Acq On : 1 Dec 2001 3:30 pm
Sample : gc/ms unknown 11/3
Misc :
MS Integration Params: LSCINT.P

Vial: 31
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

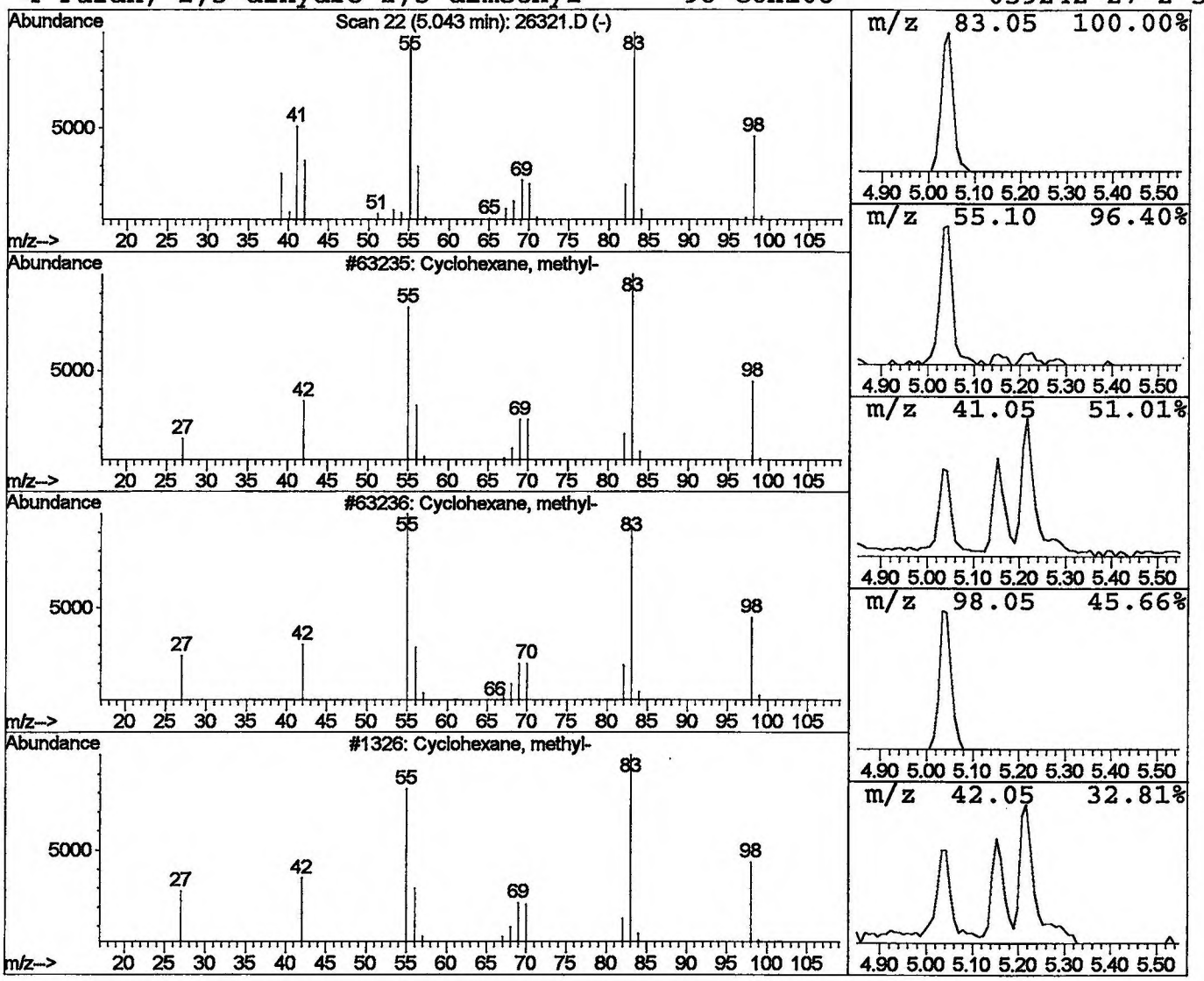
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Cyclohexane, methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.04	0.81 ng/uL	245200	1,4-Dichlorobenzene-d4	11.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	97
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	95
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	95
4	Furan, 2,5-dihydro-2,5-dimethyl-	98	C6H10O	059242-27-2	53



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV3001\26321.D
Acq On : 1 Dec 2001 3:30 pm
Sample : gc/ms unknown 11/3
Misc :
MS Integration Params: LSCINT.P

Vial: 31
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

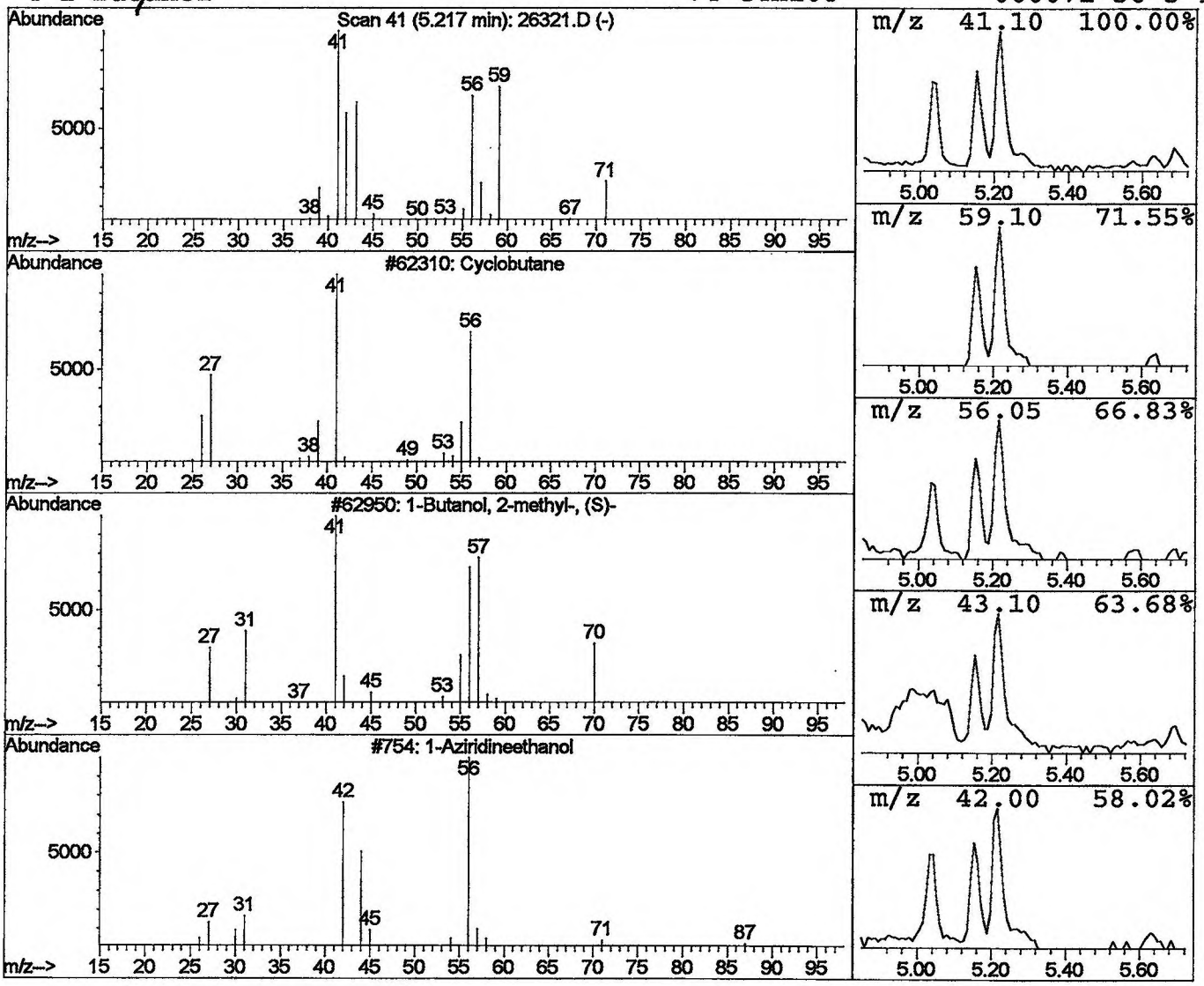
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Cyclobutane — Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	0.47 ng/uL	142071	1,4-Dichlorobenzene-d4	11.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane	56	C4H8	000287-23-0	12
2	1-Butanol, 2-methyl-, (S)-	88	C5H12O	001565-80-6	9
3	1-Aziridineethanol	87	C4H9NO	001072-52-2	9
4	1-Butanol	74	C4H10O	000071-36-3	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV3001\26321.D
Acq On : 1 Dec 2001 3:30 pm
Sample : gc/ms unknown 11/3
Misc :
MS Integration Params: LSCINT.P

Vial: 31
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
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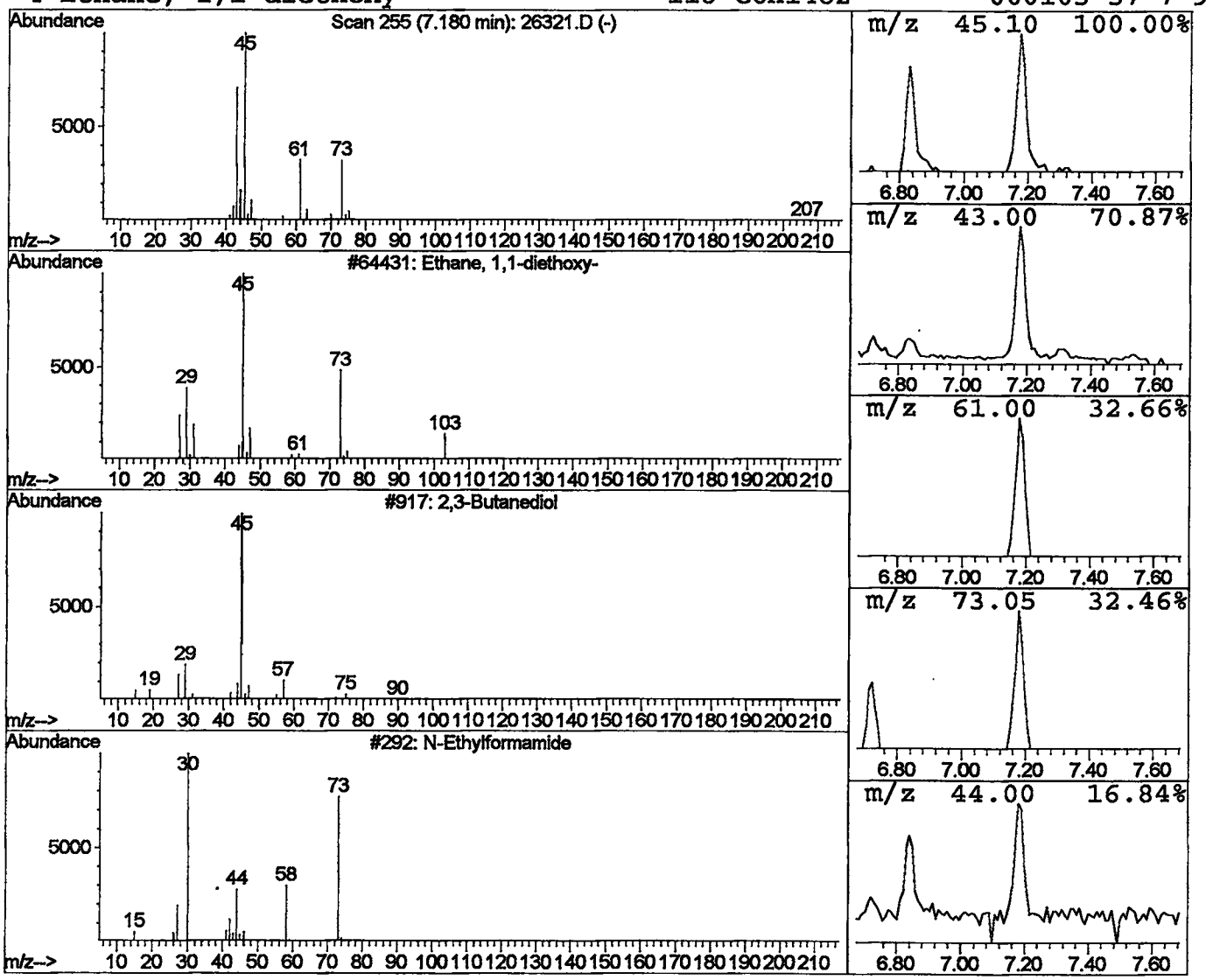
****

Peak Number 3 Ethane, 1,1-diethoxy- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	0.40 ng/uL	120579	1,4-Dichlorobenzene-d4	11.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1-diethoxy-	118	C6H14O2	000105-57-7	39
2	2,3-Butanediol	90	C4H10O2	000513-85-9	33
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	Ethane, 1,1-diethoxy-	118	C6H14O2	000105-57-7	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV3001\26321.D
Acq On : 1 Dec 2001 3:30 pm
Sample : gc/ms unknown 11/3
Misc :
MS Integration Params: LSCINT.P

Vial: 31
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

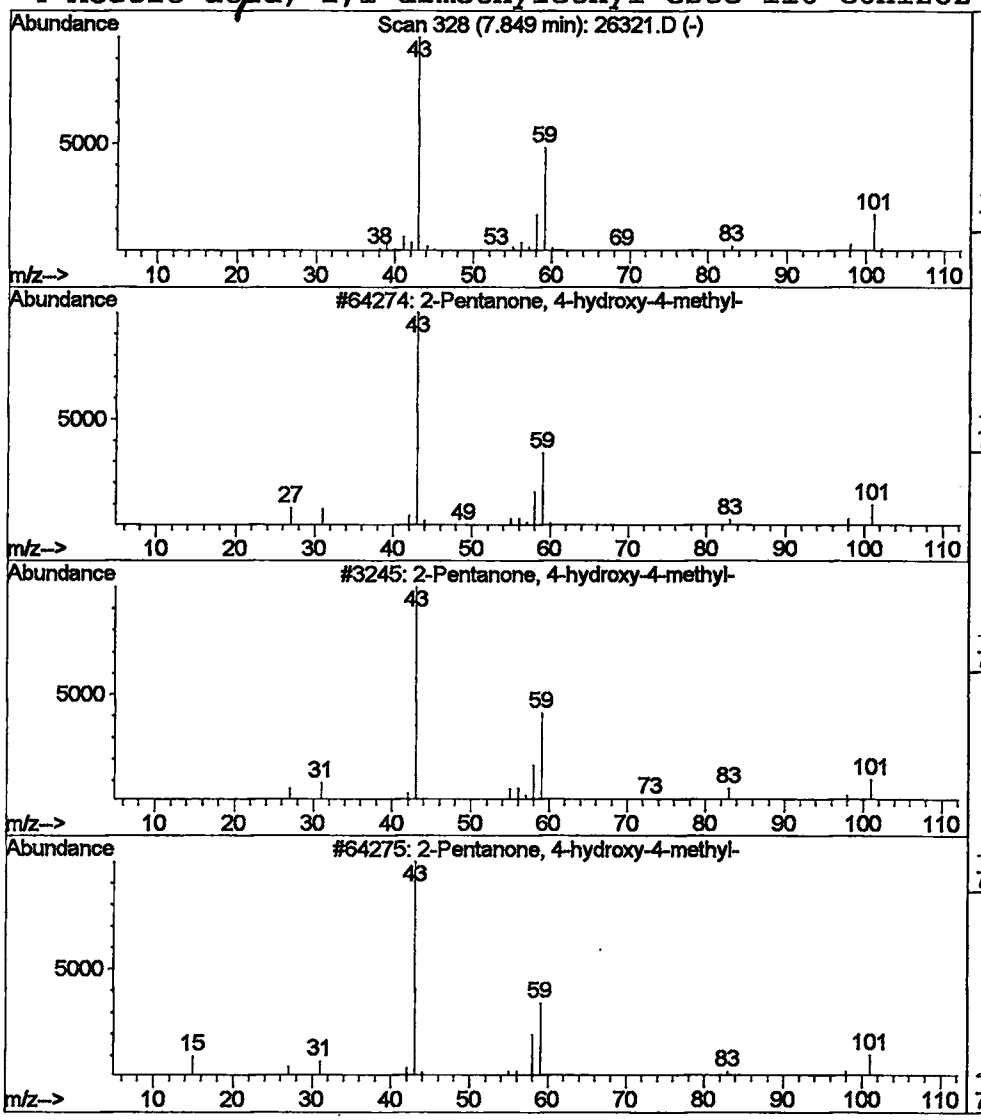
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

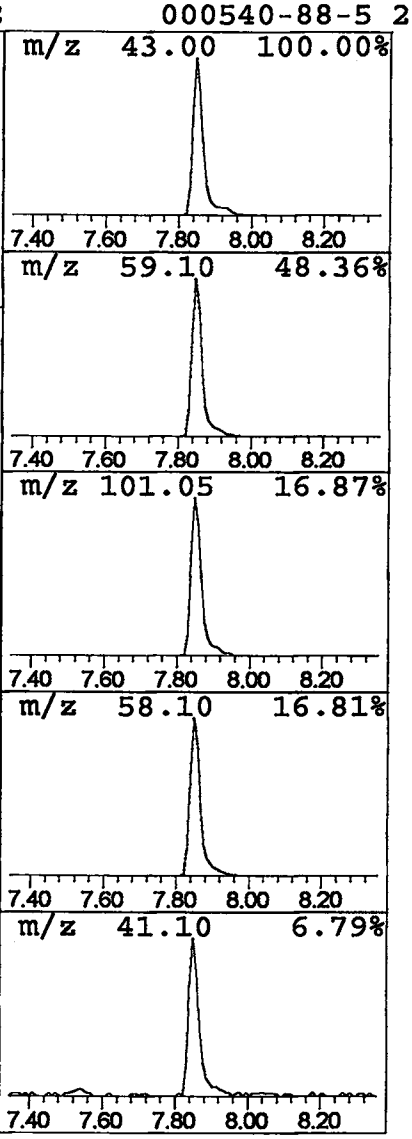
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.85	6.79 ng/uL	2046880	1,4-Dichlorobenzene-d4	11.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
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





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Misc :
MS Integration Params: LSCINT.P

Vial: 31
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
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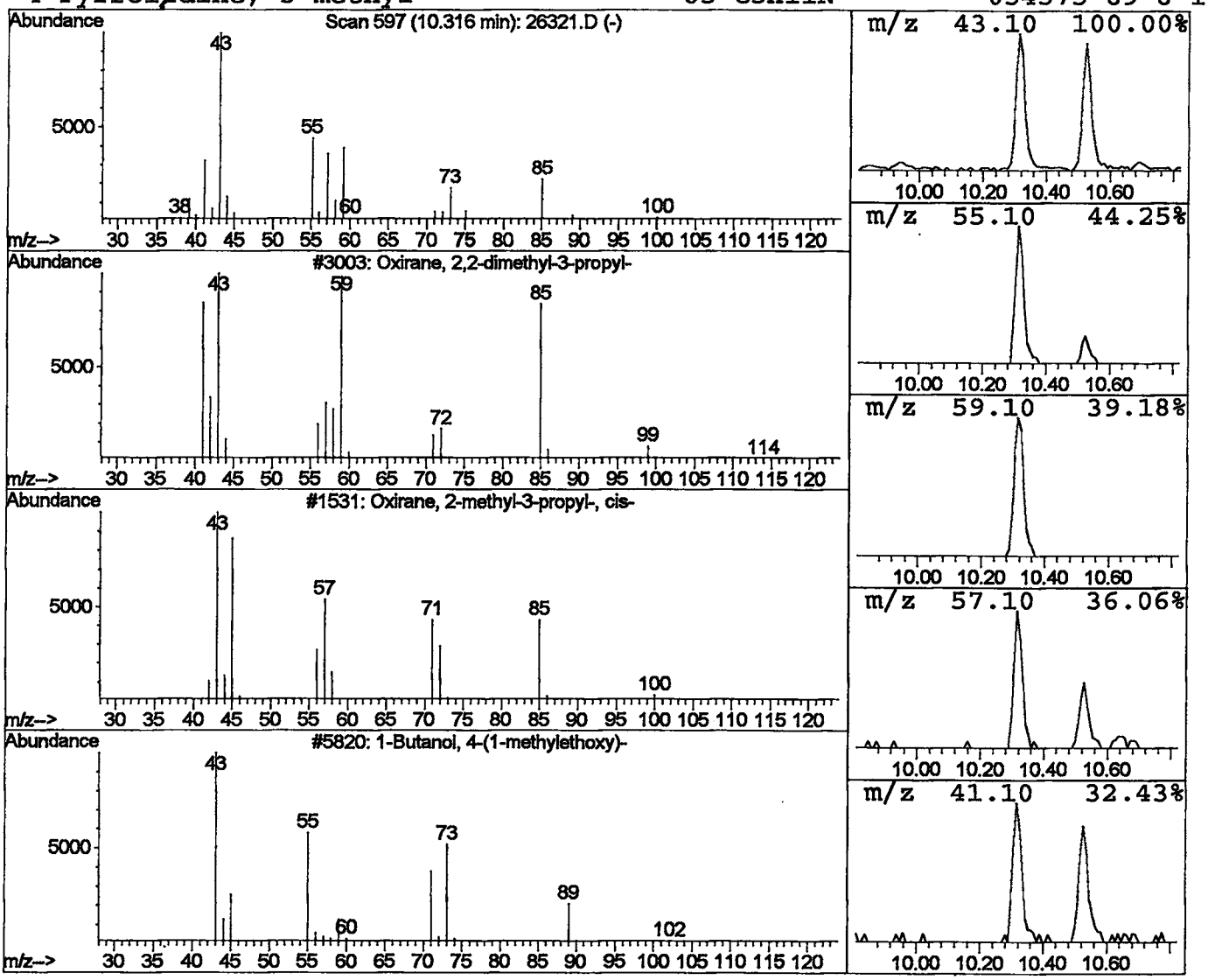
****

Peak Number 5 Oxirane, 2,2-dimethyl-3-propyl Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	0.70 ng/uL	211211	1,4-Dichlorobenzene-d4	11.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2,2-dimethyl-3-propyl-	114	C7H14O	017612-35-0	17
2	Oxirane, 2-methyl-3-propyl-, cis-	100	C6H12O	006124-90-9	12
3	1-Butanol, 4-(1-methylethoxy)-	132	C7H16O2	031600-69-8	12
4	Pyrrolidine, 3-methyl-	85	C5H11N	034375-89-8	10



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Sample : gc/ms unknown 11/3
Misc :
MS Integration Params: LSCINT.P

Vial: 31
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

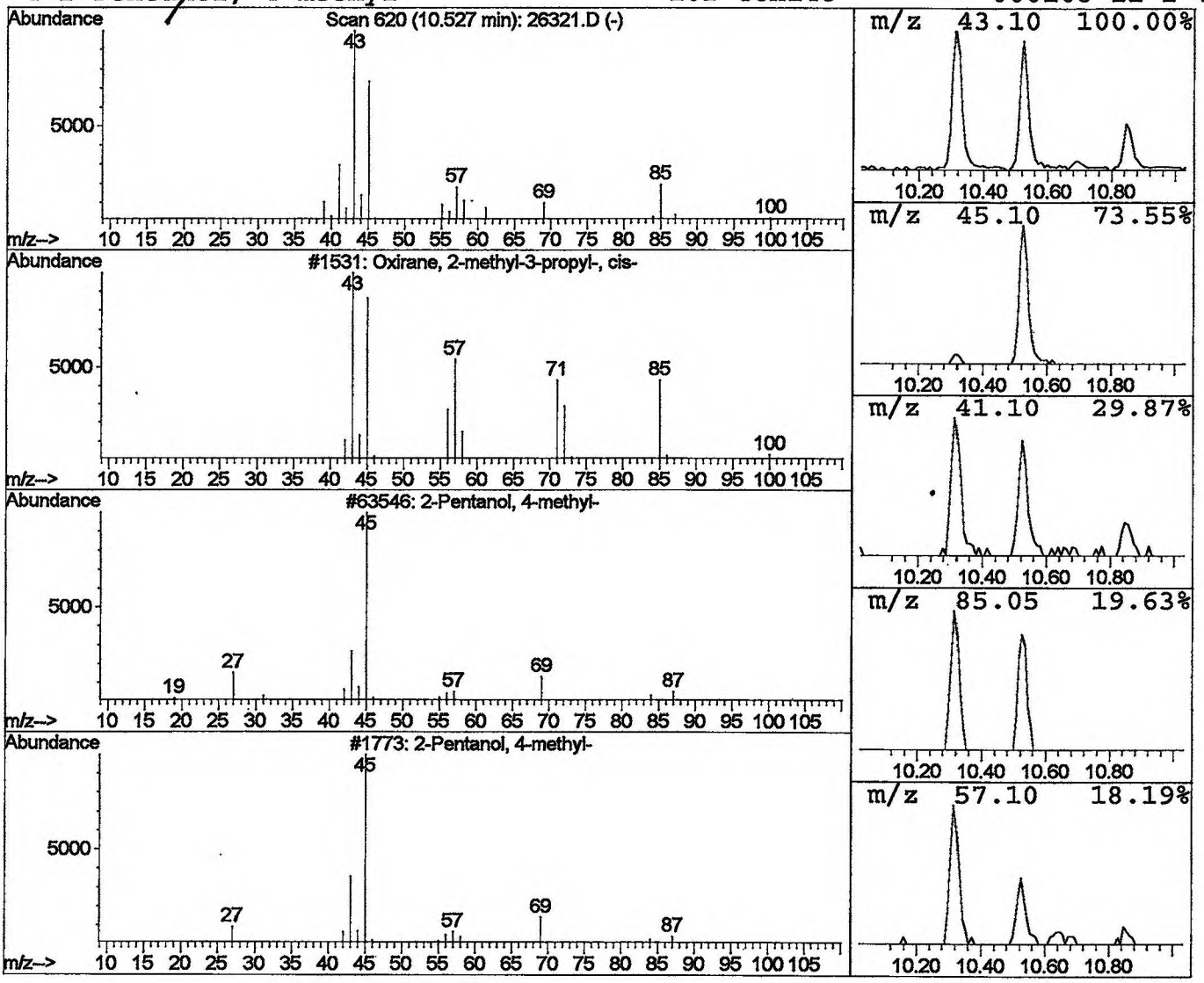
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 Oxirane, 2-methyl-3-propyl-, c Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	0.60 ng/uL	180667	1,4-Dichlorobenzene-d4	11.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2-methyl-3-propyl-, cis-	100	C6H12O	006124-90-9	42
2	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	40
3	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	40
4	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	40



Tentatively Identified Compound (LSC) summary

Operator ID: GALOS Date Acquired: 1 Dec 2001 3:30 pm
Data File: C:\HPCHEM\1\DATA\NOV3001\26321.D
Name: gc/ms unknown 11/3
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
Cyclohexane, methyl-	5.04	0.8	ng/uL	245200	ISTD01	11.88	6026600	20.0
Cyclobutane	5.22	0.5	ng/uL	142071	ISTD01	11.88	6026600	20.0
Ethane, 1,1-diethoxy	7.18	0.4	ng/uL	120579	ISTD01	11.88	6026600	20.0
2-Pentanone, 4-hydro	7.85	6.8	ng/uL	2046880	ISTD01	11.88	6026600	20.0
Oxirane, 2,2-dimethy	10.32	0.7	ng/uL	211211	ISTD01	11.88	6026600	20.0
Oxirane, 2-methyl-3-	10.53	0.6	ng/uL	180667	ISTD01	11.88	6026600	20.0

26321.D NP112701.M Tue Dec 04 10:13:31 2001