User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 01/03/2002 Time: 09:08:25

Sample: AD28172
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/3/02 09:06 Ended: 1/3/02 09:06 Analyst: MG
Page: 1

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

omments for Sample AD28172 - Analysis $GCMS

Vestchester Dept. of Labs & Research
ser: Galos, Marie
ate: 01-03-2002 Time: 09:08:40

scan of the extract prepared for the 508 analysis, from 35-550 amu using a
ıass spectrometer, does not reveal the presence of non-target compounds.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC2101\28172.D Vial: 38
Acq On : 22 Dec 2001 2:53 pm Operator: GALOS
Sample : gcms unknown 11/26 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 28 9:01 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	11.79	152	774012	20.00	ng/uL	-0.15
19) Naphthalene-d8	15.39	136	3084212	20.00	ng/uL	-0.15
31) Acenaphthene-d10	20.68	164	1358295	20.00	ng/uL	-0.15
49) Phenanthrene-d10	25.08	188	2059899m	20.00	ng/uL	-0.16
59) Chrysene-d12	33.08	240	1459912	20.00	ng/uL	-0.16
68) Perylene-d12	37.16	264	930973	20.00	ng/uL	-0.18
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	11.79	132	377	0.01	ng/uL	0.37
Spiked Amount 75.000	Range 34 - 84		Recovery =	0.01%#		
7) 1,2-Dichlorobenzene-d4	0.00	152	0	0.00	ng/uL	
Spiked Amount 50.000	Range 26 - 73		Recovery =	0.00%#		
20) Nitrobenzene-d5	0.00	82	0	0.00	ng/uL	
Spiked Amount 50.000	Range 55 - 98		Recovery =	0.00%#		
32) 2-Fluorobiphenyl	18.82	172	1801	0.02	ng/uL	0.00
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.		

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

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Compound	R.T.	QIon	Response	Conc Unit	Qvalue
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.	
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	0.00	128	0	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.	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	25.08	178	275	N.D.	
56) Anthracene	25.08	178	275	N.D.	
57) Di-n-butylphthalate	27.08	149	15980	N.D.	
58) Fluoranthene	0.00	202	0	N.D.	
60) 3,3'-Dichlorobenzidine	0.00	252	0	N.D.	

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Last Update : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration
DataAcq Meth : NP112701

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
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	33.08	228	3077	N.D.	
66) Bis(2-ethylhexyl)phthalate	33.35	149	2647	N.D.	
67) Chrysene	33.08	228	3077	N.D.	
69) Di-n-Octylphthalate	0.00	149	0	N.D.	
70) Benzo(b)fluoranthene	0.00	252	0	N.D.	
71) Benzo(k)fluoranthene	0.00	252	0	N.D.	
72) Benzo(a)pyrene	37.16	252	2974	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

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Sample : gcms unknown 11/26 Inst : GC/MS Ins
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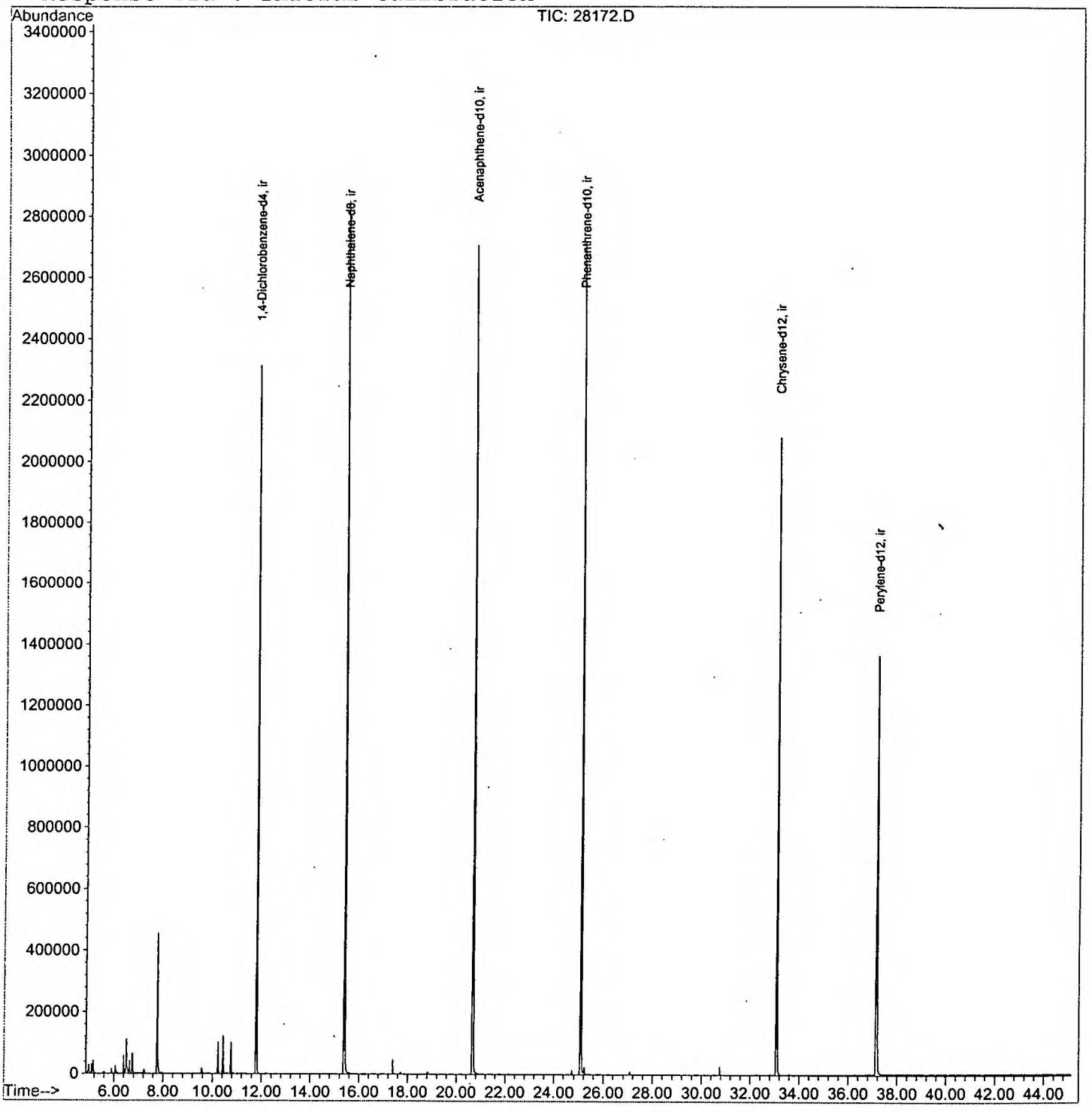
Quant Time: Dec 28 9:01 2001 Quant Results File: NP112701.RES

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\DEC2101\28172.D Vial: 38
Acq On : 22 Dec 2001 2:53 pm Operator: GALOS
Sample : gcms unknown 11/26 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

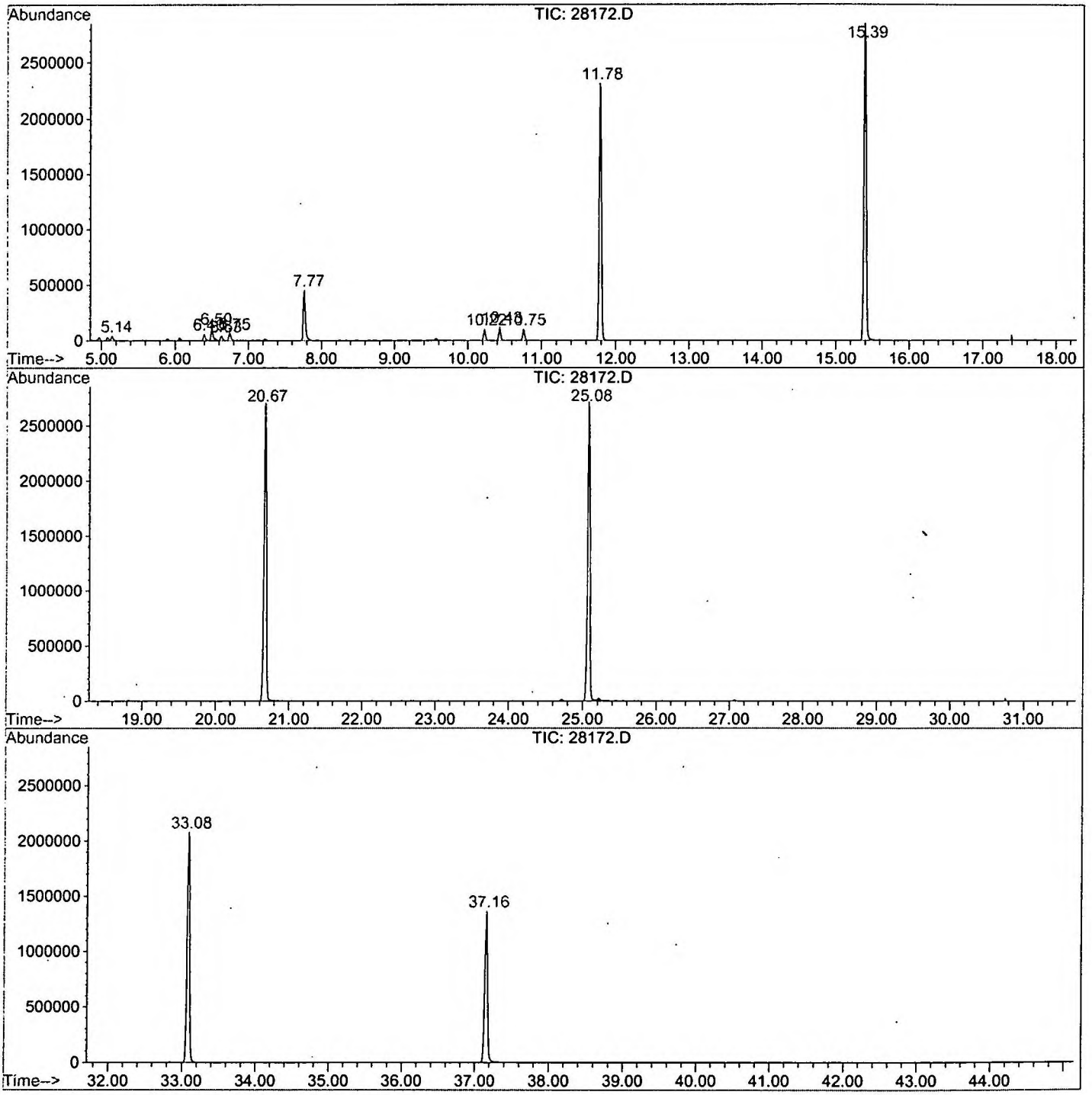
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	5.143	30	33	43	rVB	44093	83684	1.32%	0.247%
2	6.399	166	170	176	rBV	60464	108798	1.72%	0.322%
3	6.500	176	181	185	rBV	111229	207796	3.28%	0.614%
4	6.628	192	195	203	rVB	41589	82800	1.31%	0.245%
5	6.747	203	208	216	rBV	66561	138623	2.19%	0.410%
6	7.765	315	319	330	rBV	454427	923792	14.59%	2.731%
7	10.223	583	587	594	rBB	103668	180549	2.85%	0.534%
8	10.434	605	610	619	rBB	123515	213085	3.36%	0.630%
9	10.755	641	645	652	rBV	103391	190673	3.01%	0.564%
10	11.782	752	757	767	rBV	2314467	4865643	76.84%	14.385%
11	15.395	1144	1151	1168	rBV	2852177	6332531	100.00%	18.722%
12	20.668	1719	1726	1739	rBV	2706354	6146913	97.07%	18.173%
13	25.078	2200	2207	2218	rBV2	2714030	5905580	93.26%	17.460%
14	33.084	3073	3080	3093	rBV2	2081170	4830183	76.28%	14.281%
15	37.155	3516	3524	3541	rBV2	1362548	3612957	57.05%	10.682%

Sum of corrected areas: 33823607

28172.D NP112701.M Fri Dec 28 09:08:07 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC2101\28172.D
Operator : GALOS
Acquired : 22 Dec 2001 2:53 pm using AcqMethod NP112701
Instrument : GC/MS Ins
Sample Name: gcms unknown 11/26
Misc Info :
Vial Number: 38
Quant File :NP112701.RES (RTE Integrator)



28172.D NP112701.M Fri Dec 28 09:08:09 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC2101\28172.D
Acq On : 22 Dec 2001 2:53 pm
Sample : gcms unknown 11/26
Misc :
MS Integration Params: LSCINT.P

Vial: 38
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

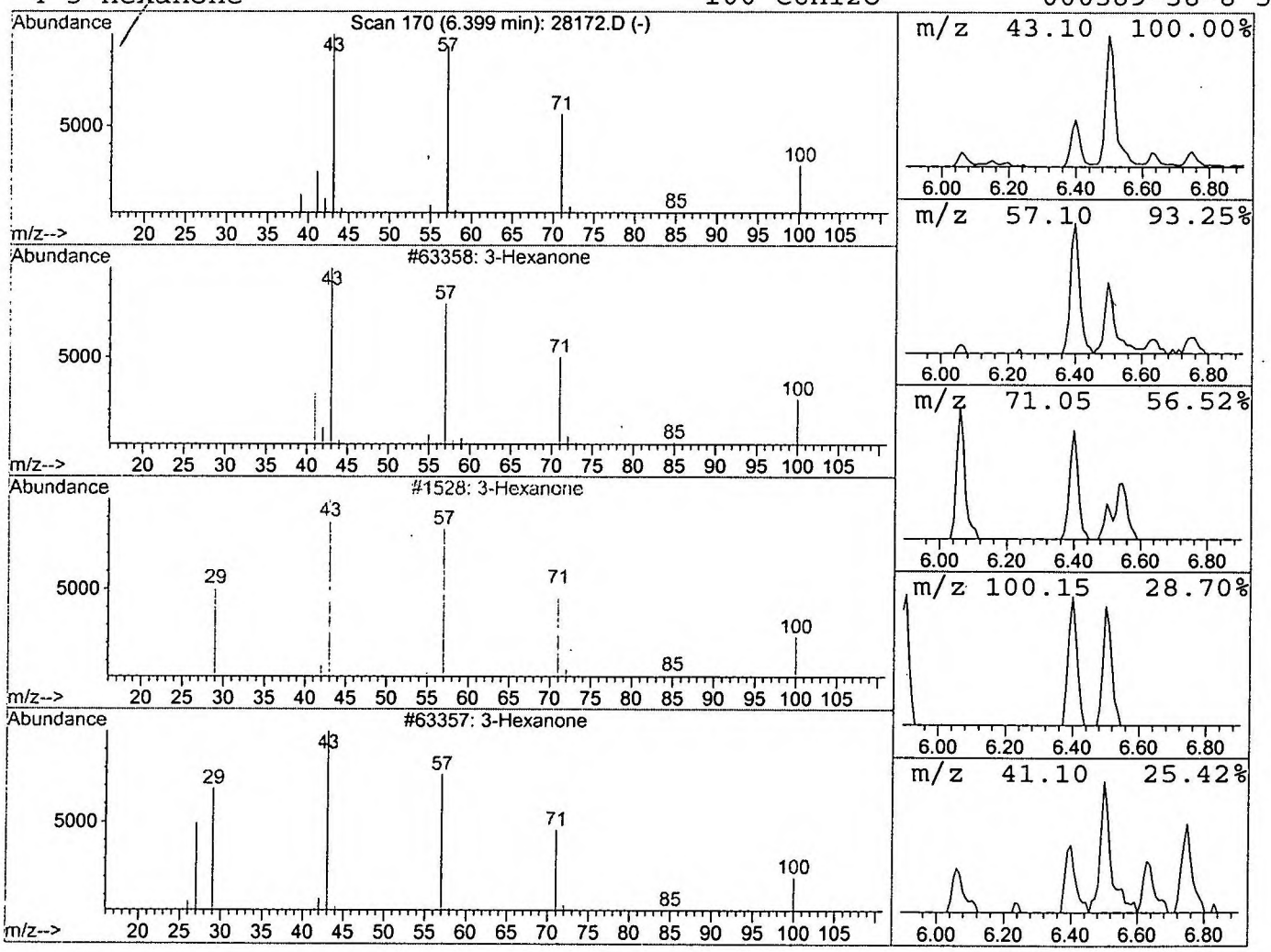
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 3-Hexanone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	0.45 ng/uL	108798	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone	100	C6H12O	000589-38-8	91
2	3-Hexanone	100	C6H12O	000589-38-8	91
3	3-Hexanone	100	C6H12O	000589-38-8	91
4	3-Hexanone	100	C6H12O	000589-38-8	53



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC2101\28172.D
Acq On : 22 Dec 2001 2:53 pm
Sample : gcms unknown 11/26
Misc :
MS Integration Params: LSCINT.P

Vial: 38
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

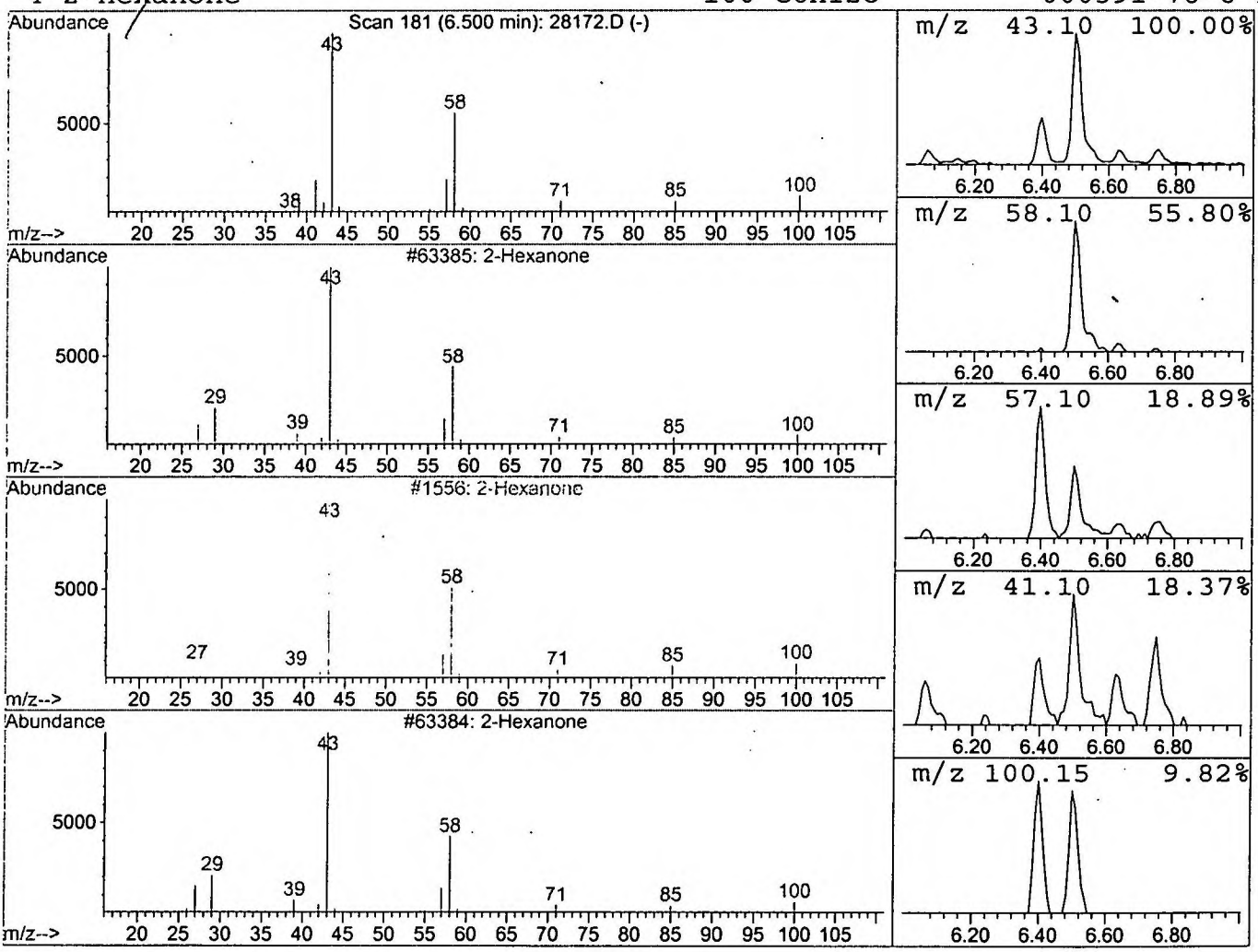
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Hexanone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	0.85 ng/uL	207796	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone	100	C6H12O	000591-78-6	91
2	2-Hexanone	100	C6H12O	000591-78-6	91
3	2-Hexanone	100	C6H12O	000591-78-6	91
4	2-Hexanone	100	C6H12O	000591-78-6	91



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC2101\28172.D Vial: 38
Acq On : 22 Dec 2001 2:53 pm Operator: GALOS
Sample : gcms unknown 11/26 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

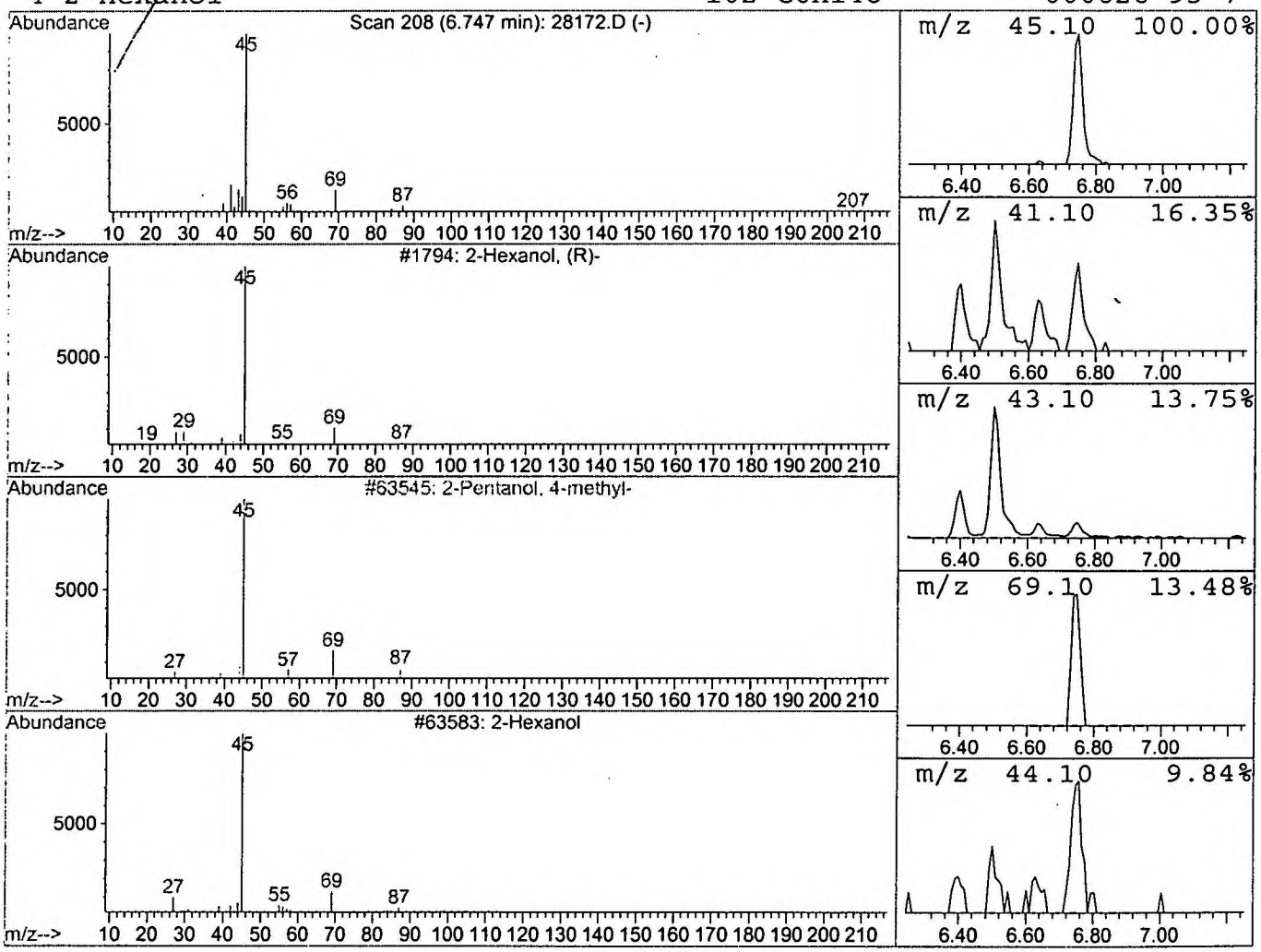
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 2-Hexanol, (R)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	0.57 ng/uL	138623	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol, (R)-	102	C6H14O	026549-24-6	83
2	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	83
3	2-Hexanol	102	C6H14O	000626-93-7	83
4	2-Hexanol	102	C6H14O	000626-93-7	78



Library Search Compound Report

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Acq On : 22 Dec 2001 2:53 pm Operator: GALOS
Sample : gcms unknown 11/26 Inst : GC/MS Ins
Misc : Multiplr: 1.00
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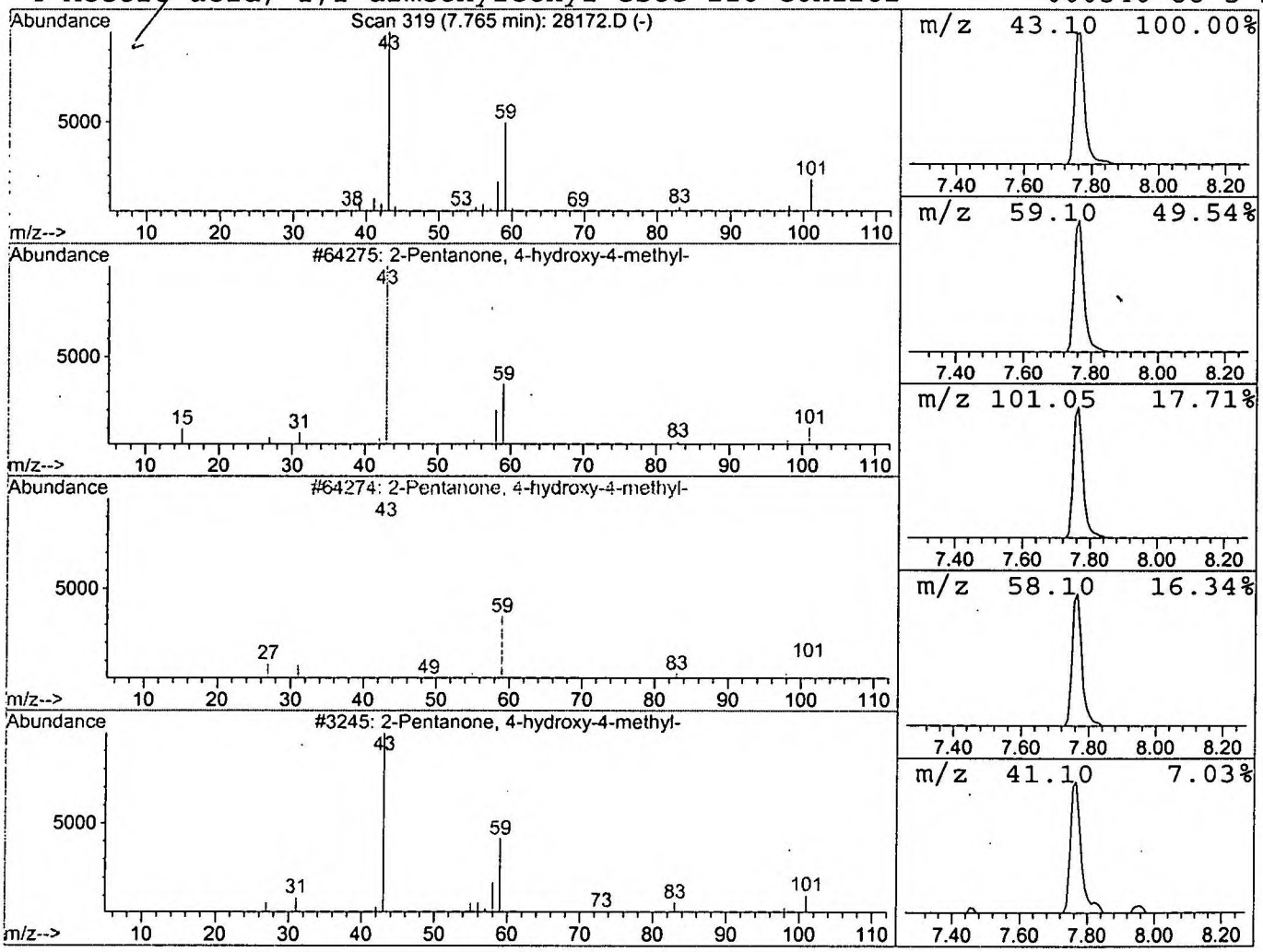
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	3.80 ng/uL	923792	1,4-Dichlorobenzene-d4	11.79

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	53
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	43
4	Acetic acid, 1,1-dimethylethyl este	116	C6H12O2	000540-88-5	28



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Sample : gcms unknown 11/26
Misc :
MS Integration Params: LSCINT.P

Vial: 38
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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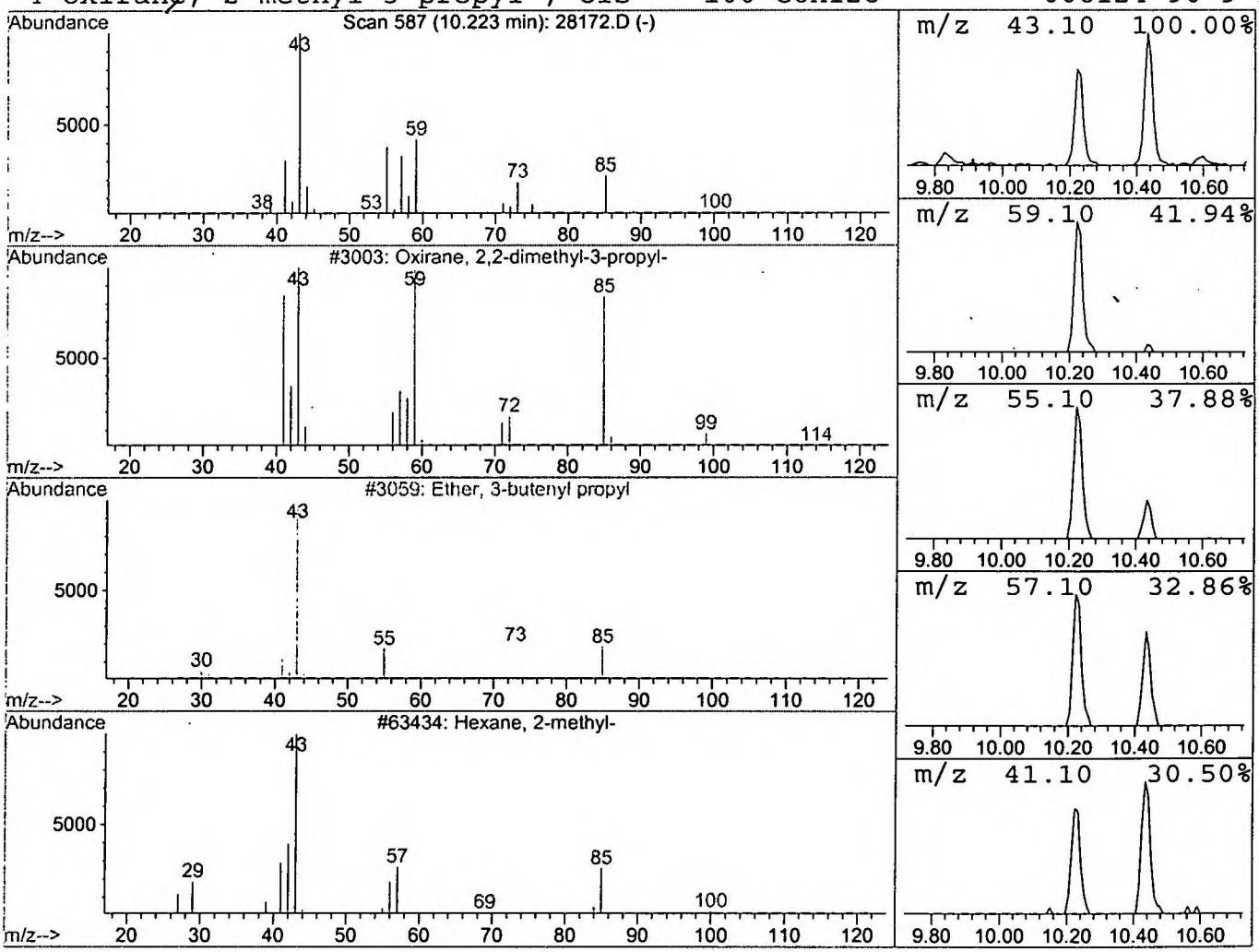
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	0.74 ng/uL	180549	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2,2-dimethyl-3-propyl-	114	C7H14O	017612-35-0	20
2	Ether, 3-butenyl propyl	114	C7H14O	034061-75-1	16
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	12
4	Oxirane, 2-methyl-3-propyl-, cis-	100	C6H12O	006124-90-9	10



Library Search Compound Report

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Acq On : 22 Dec 2001 2:53 pm Operator: GALOS
Sample : gcms unknown 11/26 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

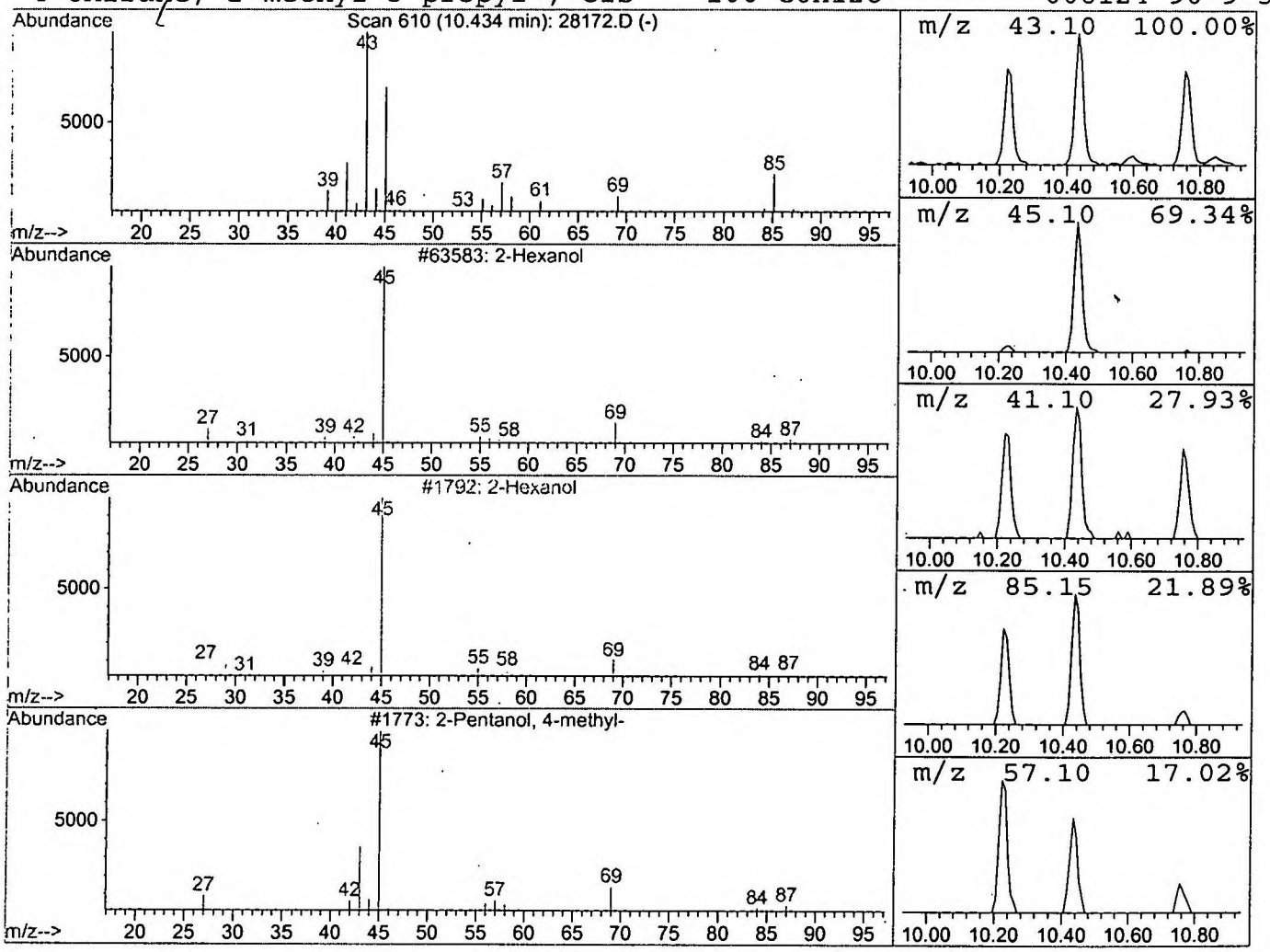
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 2-Hexanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	0.88 ng/uL	213085	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	38
2	2-Hexanol	102	C6H14O	000626-93-7	38
3	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	37
4	Oxirane, 2-methyl-3-propyl-, cis-	100	C6H12O	006124-90-9	36



Library Search Compound Report

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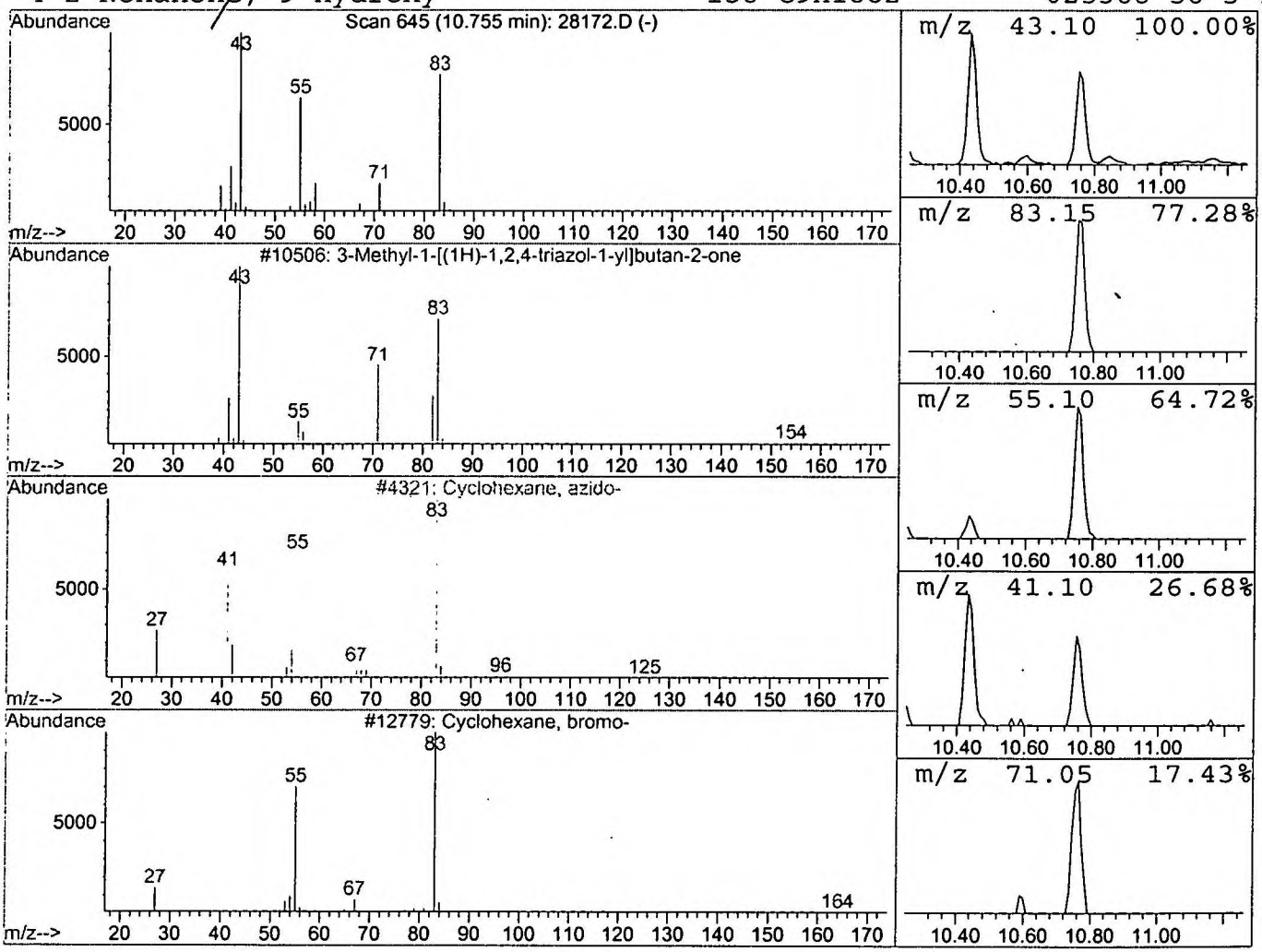
****

Peak Number 7 3-Methyl-1-[(1H)-1,2,4-triazol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	0.78 ng/uL	190673	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-1-[(1H)-1,2,4-triazol-1-yl	153	C7H11N3O	064922-02-7	36
2	Cyclohexane, azido-	125	C6H11N3	019573-22-9	33
3	Cyclohexane, bromo-	162	C6H11Br	000108-85-0	33
4	2-Nonanone, 9-hydroxy-	158	C9H18O2	025368-56-3	10



Tentatively Identified Compound (LSC) summary

Operator ID: GALOS Date Acquired: 22 Dec 2001 2:53 pm
Data File: C:\HPCHEM\1\DATA\DEC2101\28172.D
Name: gcms unknown 11/26
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
3-Hexanone	6.40	0.4	ng/uL	108798	ISTD01	11.79	4865640	20.0
2-Hexanone	6.50	0.9	ng/uL	207796	ISTD01	11.79	4865640	20.0
2-Hexanol, (R)-	6.75	0.6	ng/uL	138623	ISTD01	11.79	4865640	20.0
2-Pentanone, 4-hydro	7.77	3.8	ng/uL	923792	ISTD01	11.79	4865640	20.0
Oxirane, 2,2-dimethy	10.22	0.7	ng/uL	180549	ISTD01	11.79	4865640	20.0
2-Hexanol	10.43	0.9	ng/uL	213085	ISTD01	11.79	4865640	20.0
3-Methyl-1-[(1H)-1,2	10.75	0.8	ng/uL	190673	ISTD01	11.79	4865640	20.0

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