User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 01/02/2002 Time: 12:07:28

Sample: AD27872
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/2/02 12:06 Ended: 1/2/02 12:06 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 AD27872 - Analysis $GCMS

/estchester Dept. of Labs & Research
ser: Galos, Marie
ate: 01-02-2002 Time: 12:07:49

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\DEC1901\27872.D Vial: 4
Acq On : 20 Dec 2001 6:53 pm Operator: GALOS
Sample : gcms unknown 11/20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 21 9:39 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	11.86	152	1097727	20.00	ng/uL	-0.08
19) Naphthalene-d8	15.47	136	4341652	20.00	ng/uL	-0.08
31) Acenaphthene-d10	20.75	164	1913429	20.00	ng/uL	-0.07
49) Phenanthrene-d10	25.16	188	2864006	20.00	ng/uL	-0.08
59) Chrysene-d12	33.17	240	2022892	20.00	ng/uL	-0.08
68) Perylene-d12	37.25	264	1067307	20.00	ng/uL	-0.09
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	11.87	132	794	0.01	ng/uL	0.44
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	18.90	172	2189	0.02	ng/uL	0.07
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	30.03	244	4263	0.04	ng/uL	-0.10
Spiked Amount 50.000	Range 58 - 98		Recovery =	0.08%#		
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

Quantitation Report (QT Reviewed)

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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.	
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	22.24	149	4677	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	22.78	169	291	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	25.35	178	759	N.D.	
56) Anthracene	25.35	178	759	N.D.	
57) Di-n-butylphthalate	27.14	149	27692	N.D.	
58) Fluoranthene	28.82	202	12416	N.D.	
60) 3,3'-Dichlorobenzidine	33.15	252	1290	N.D.	

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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
61) Benzidine	0.00	184	0	N.D.	
63) Pyrene	29.49	202	14563	N.D.	
64) Butylbenzylphthalate	31.63	149	8954	N.D.	
65) Benzo(a)anthracene	33.23	228	14570	N.D.	
66) Bis(2-ethylhexyl)phthalate	33.42	149	19494	N.D.	
67) Chrysene	33.23	228	14570	N.D.	
69) Di-n-Octylphthalate	35.15	149	18084	N.D.	
70) Benzo(b)fluoranthene	36.17	252	9625	N.D.	
71) Benzo(k)fluoranthene	36.23	252	10511	N.D.	
72) Benzo(a)pyrene	37.06	252	6700	N.D.	
73) Indeno(1,2,3-cd)pyrene	40.93	276	2500	N.D.	
74) Dibenz(a,h)anthracene	41.00	278	1448	N.D.	
75) Benzo(g,h,i)perylene	42.00	276	2352	N.D.	

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

Quantitation Report

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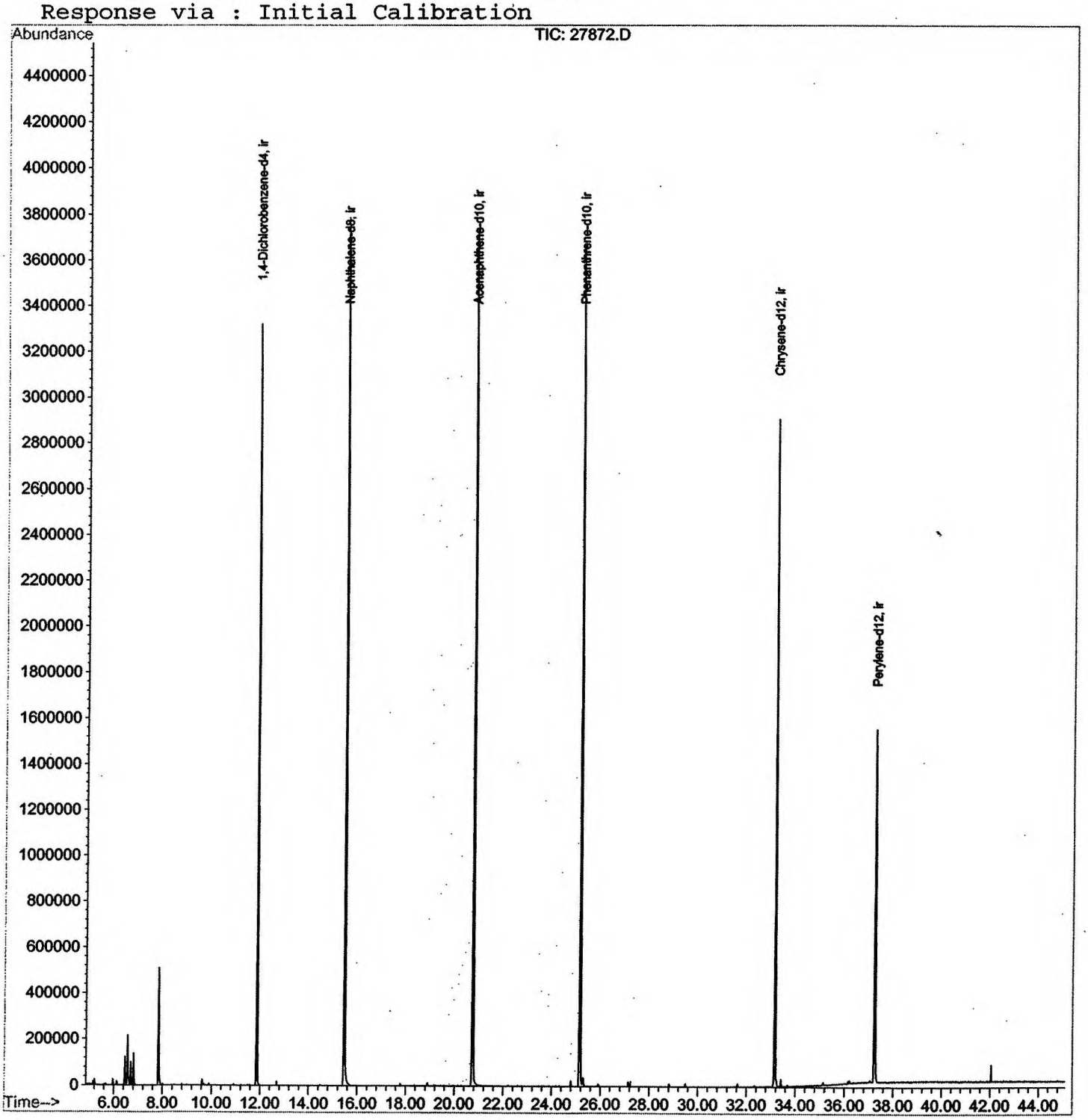
Acq On : 20 Dec 2001 6:53 pm Operator: GALOS
Sample : gcms unknown 11/20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 21 9:39 2001 Quant Results File: NP112701.RES

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\DEC1901\27872.D Vial: 4
Acq On : 20 Dec 2001 6:53 pm Operator: GALOS
Sample : gcms unknown 11/20 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

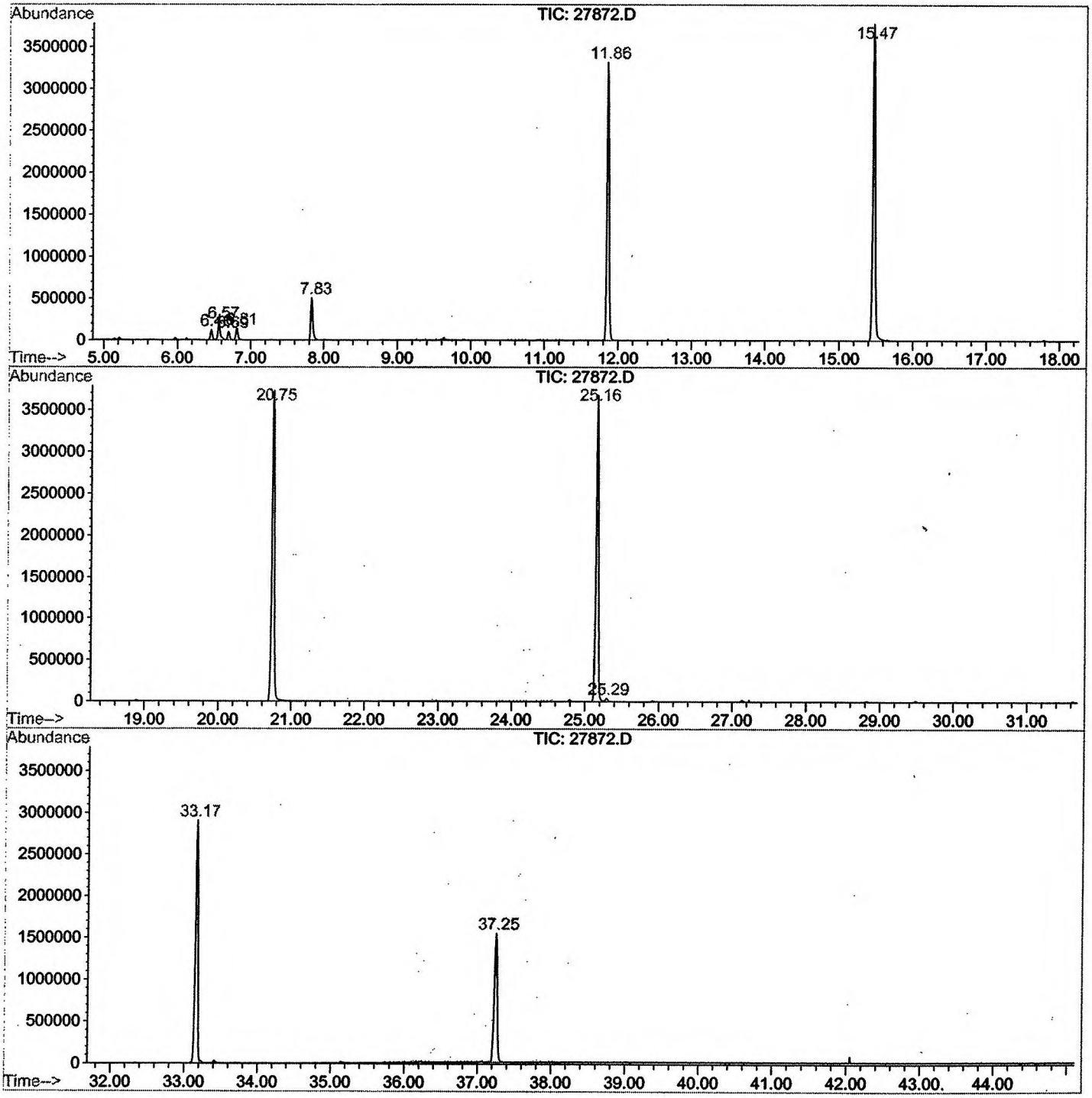
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	6.465	172	177	182	rBV	122338	226827	2.54%	0.493%
2	6.565	184	188	197	rVV	215274	455109	5.10%	0.990%
3	6.694	197	202	209	rVV	101248	193876	2.17%	0.422%
4	6.813	209	215	225	rVB	138709	281963	3.16%	0.613%
5	7.831	322	326	338	rBV	509100	1015560	11.39%	2.208%
6	11.857	760	765	779	rVB	3318039	6830095	76.60%	14.852%
7	15.470	1152	1159	1177	rBV	3786108	8917140	100.00%	19.390%
8	20.752	1726	1735	1755	rBV	3728118	8648328	96.99%	18.805%
9	25.162	2207	2216	2227	rBV2	3674456	8241258	92.42%	17.920%
10	25.291	2227	2230	2240	rVB	38234	91795	1.03%	0.200%
11	33.168	3076	3089	3094	rBV2	2907127	6818527	76.47%	14.827%
12	37.249	3526	3534	3543	rBV2	1533658	4268255	47.87%	9.281%

Sum of corrected areas: 45988733

27872.D NP112701.M Fri Dec 21 09:56:43 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC1901\27872.D
Operator : GALOS
Acquired : 20 Dec 2001 6:53 pm using AcqMethod NP112701
Instrument : GC/MS Ins
Sample Name: gcms unknown 11/20
Misc Info :
Vial Number: 4
Quant File :NP112701.RES (RTE Integrator)



27872.D NP112701.M Fri Dec 21 09:56:46 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1901\27872.D Vial: 4
Acq On : 20 Dec 2001 6:53 pm Operator: GALOS
Sample : gcms unknown 11/20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

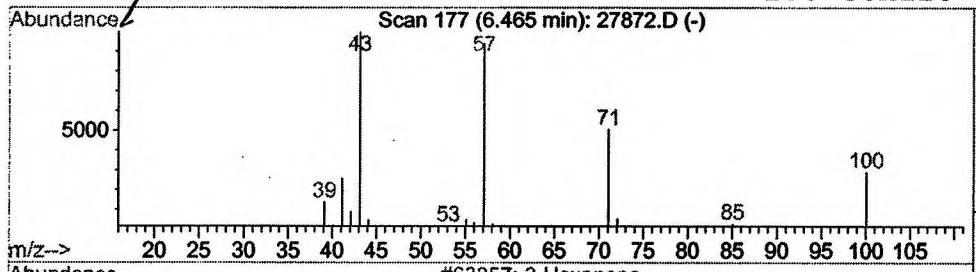
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

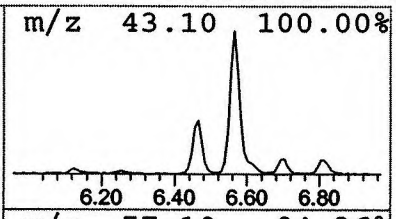
****

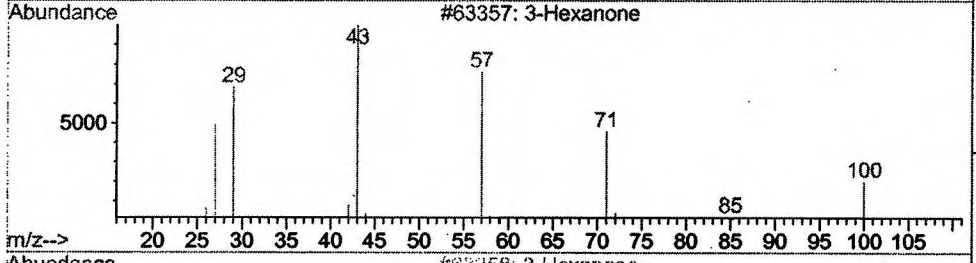
Peak Number 1 3-Hexanone Concentration Rank 4

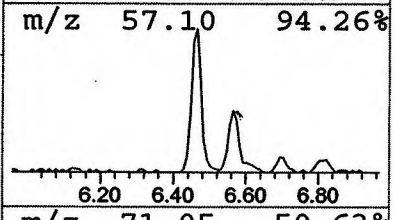
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	0.66 ng/uL	226827	1,4-Dichlorobenzene-d4	11.86

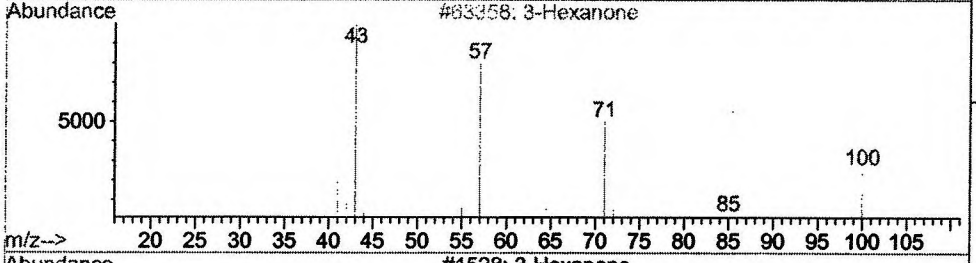
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone	100	C6H12O	000589-38-8	91
2	3-Hexanone	100	C6H12O	000589-38-8	91
3	3-Hexanone	100	C6H12O	000589-38-8	87
4	3-Hexanone	100	C6H12O	000589-38-8	53

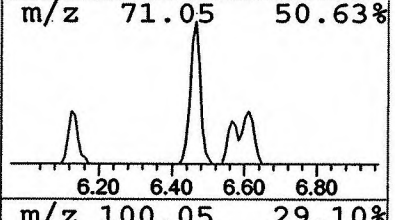


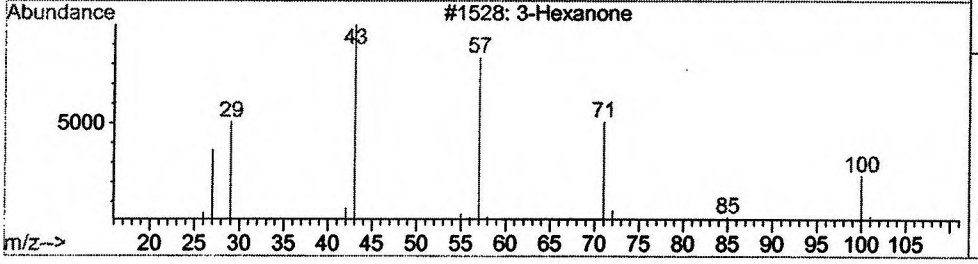


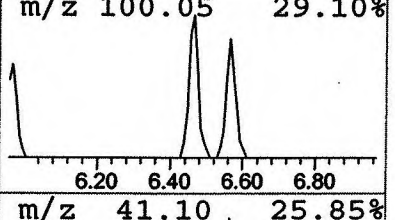


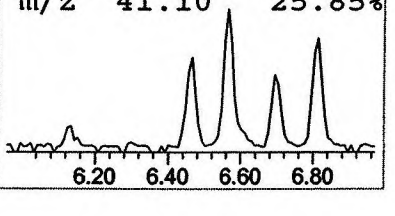












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Acq On : 20 Dec 2001 6:53 pm Operator: GALOS
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Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

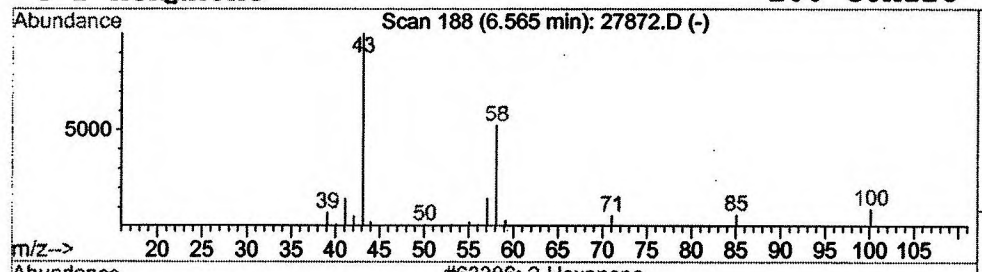
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

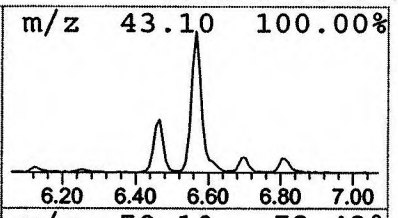
****

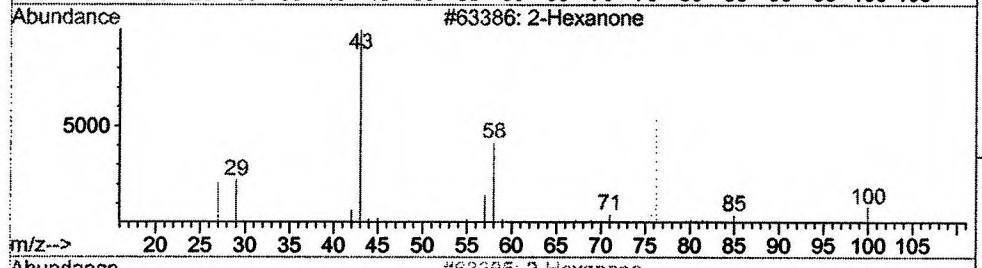
Peak Number 2 2-Hexanone Concentration Rank 2

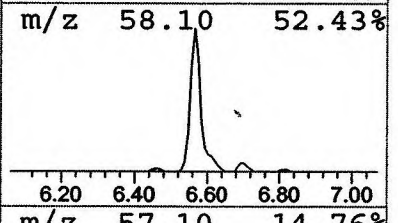
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	1.33 ng/uL	455109	1,4-Dichlorobenzene-d4	11.86

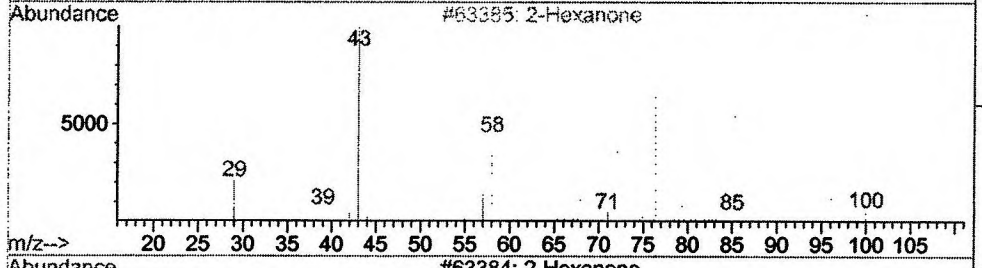
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone	100	C6H12O	000591-78-6	91
2	2-Hexanone	100	C6H12O	000591-78-6	91
3	2-Hexanone	100	C6H12O	000591-78-6	91
4	2-Hexanone	100	C6H12O	000591-78-6	91

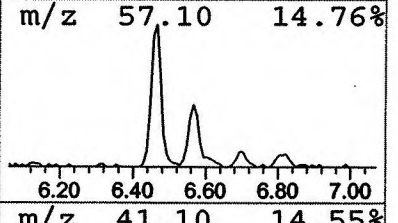


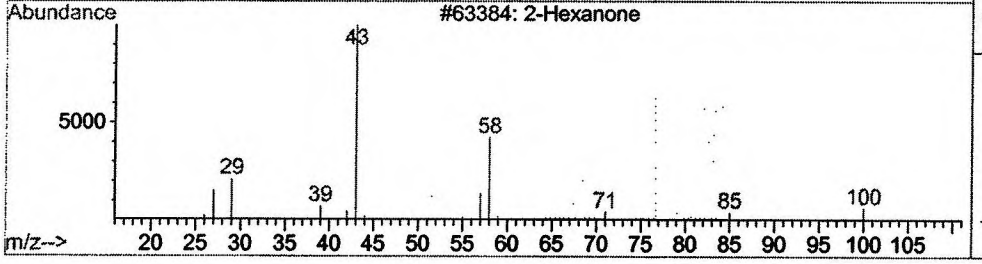


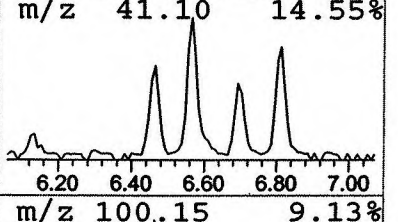


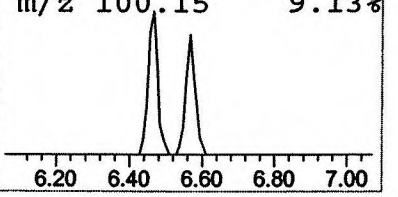












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Acq On : 20 Dec 2001 6:53 pm
Sample : gcms unknown 11/20
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

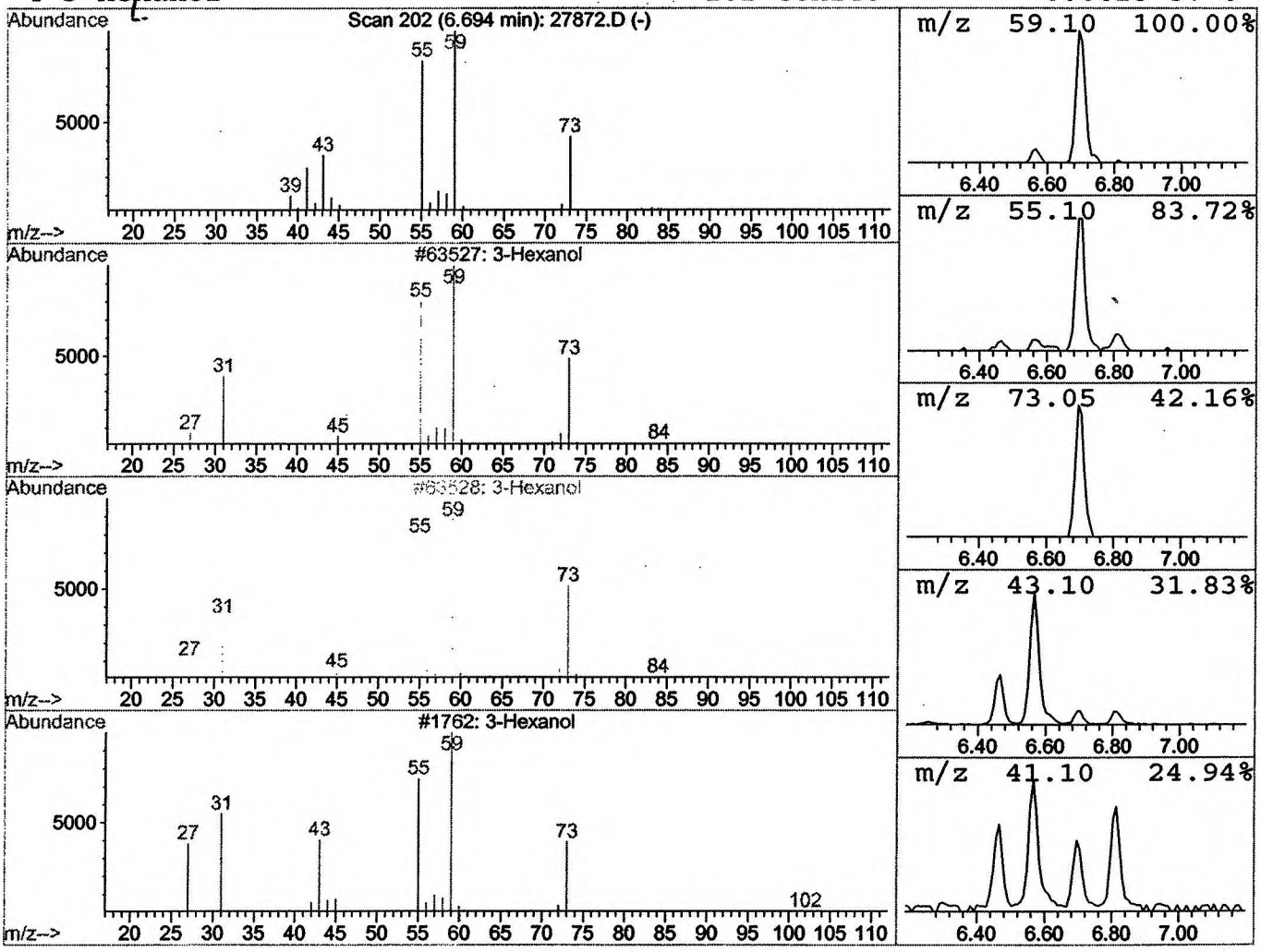
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 3-Hexanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	0.57 ng/uL	193876	1,4-Dichlorobenzene-d4	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol	102	C6H14O	000623-37-0	83
2	3-Hexanol	102	C6H14O	000623-37-0	83
3	3-Hexanol	102	C6H14O	000623-37-0	83
4	3-Hexanol	102	C6H14O	000623-37-0	83



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1901\27872.D
Acq On : 20 Dec 2001 6:53 pm
Sample : gcms unknown 11/20
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

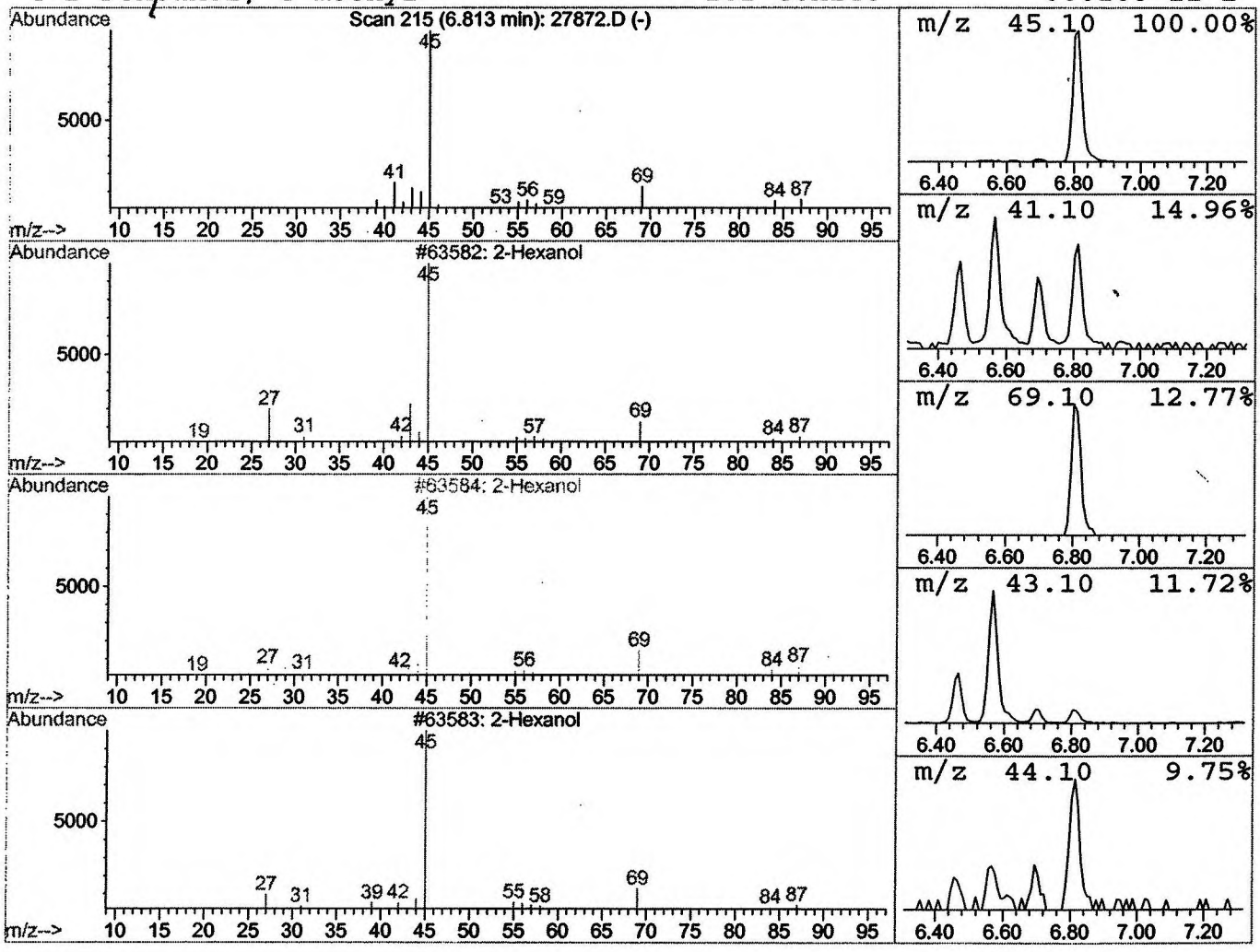
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 2-Hexanol — Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.81	0.83 ng/uL	281963	1,4-Dichlorobenzene-d4	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	83
2	2-Hexanol	102	C6H14O	000626-93-7	83
3	2-Hexanol	102	C6H14O	000626-93-7	83
4	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	74



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1901\27872.D
Acq On : 20 Dec 2001 6:53 pm
Sample : gcms unknown 11/20
Misc :
MS Integration Params: LSCINT.P

Vial: 4
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

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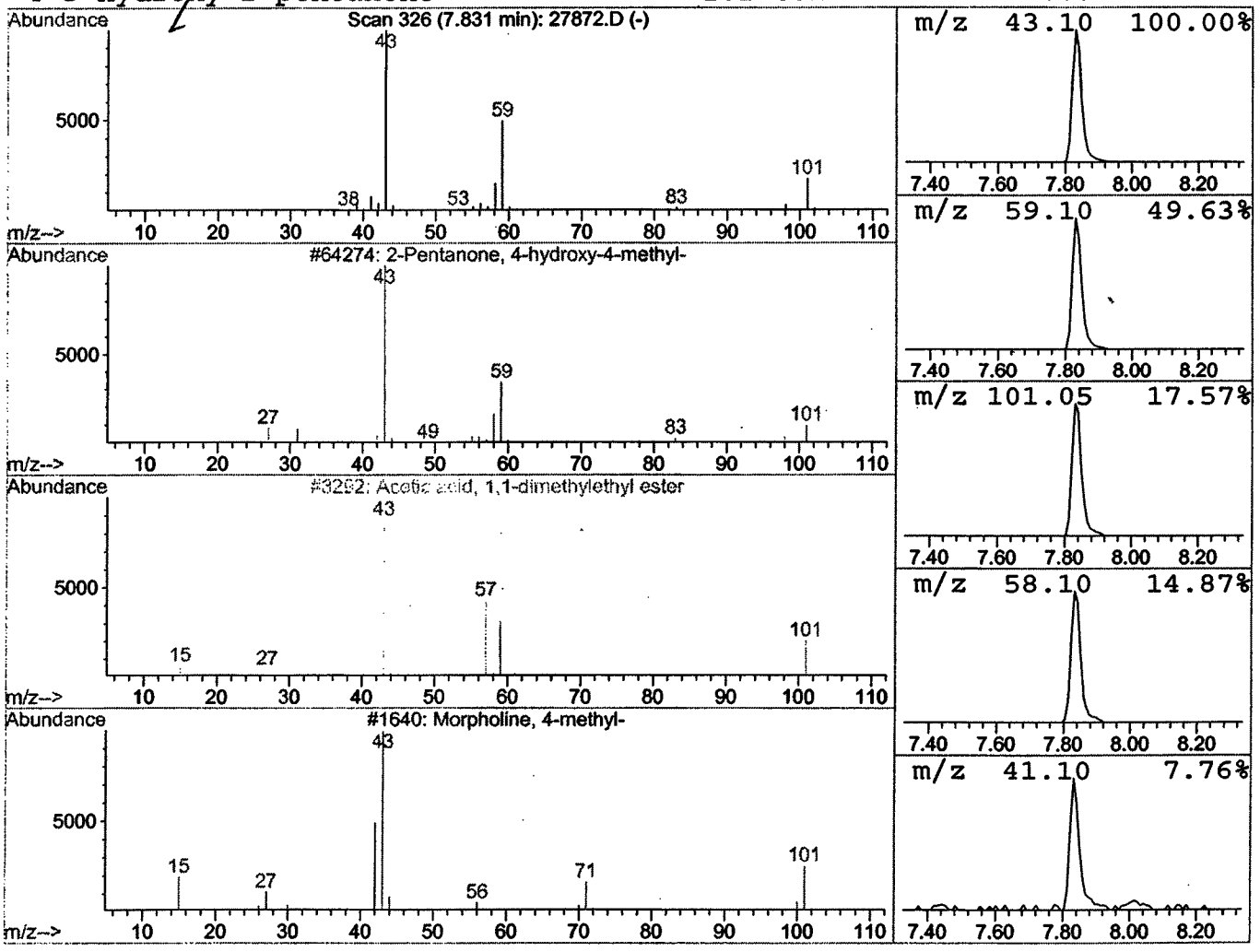
Peak Number 5 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	2.97 ng/uL	1015560	1,4-Dichlorobenzene-d4	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	36
2	Acetic acid, 1,1-dimethylethyl este	116	C6H12O2	000540-88-5	28
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	3-Hydroxy-2-pentanone	102	C5H10O2	003142-66-3	9



Tentatively Identified Compound (LSC) summary

Operator ID: GALOS Date Acquired: 20 Dec 2001 6:53 pm
Data File: C:\HPCHEM\1\DATA\DEC1901\27872.D
Name: gcms unknown 11/20
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	6.46	0.7	ng/uL	226827	ISTD01	11.86	6830100	20.0
2-Hexanone	6.57	1.3	ng/uL	455109	ISTD01	11.86	6830100	20.0
3-Hexanol	6.69	0.6	ng/uL	193876	ISTD01	11.86	6830100	20.0
2-Hexanol	6.81	0.8	ng/uL	281963	ISTD01	11.86	6830100	20.0
2-Pentanone, 4-hydro	7.83	3.0	ng/uL	1015560	ISTD01	11.86	6830100	20.0

27872.D NP112701.M Fri Dec 21 09:56:58 2001