Comments for Sample AE06051 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-11-2002 Time: 09:14:42

The GCMS scan, from 35 to 550 amu, reveals the presence of dl-2-ethylhexyl chloroformate at an estimated level of 1.2 ug/l and with a fit of 80 out of 100..

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/11/2002 Time: 09:12:24

Sample: AE06051
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/11/02 09:12 Ended: 4/11/02 09:12 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		99		5.0

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\040502\6051.D Vial: 10
Acq On : 6 Apr 2002 3:48 am Operator: Bohlk
Sample : SAMPLE 6051 3/15/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 08 12:06:13 2002 Quant Results File: 5080402.RES

Quant Method : C:\MSDCHEM\1\5973N\5080402.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Mon Apr 08 06:47:22 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.46	152	1264647	20.00	ug/L	-0.01
10) Naphthalene-d8	12.94	136	5649452	20.00	ug/L	0.00
17) Acenaphthene-d10	18.05	164	3185636	20.00	ug/L	0.00
29) Phenanthrene-d10	22.42	188	4522702	20.00	ug/L	0.00
38) Chrysene-d12	30.24	240	3386153	20.00	ug/L	-0.01
44) Perylene-d12	34.11	264	2045017	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD (SURR)	27.36	235	221909	4.94	ug/L	0.00
Spiked Amount 5.000			Recovery = 98.80%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	0.00	74	0	N.D.	d	
3) bis(2-chloroethyl) ether	0.00	93	0	N.D.		
4) 1,3 - Dichlorobenze	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-Chloropr	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	0.00	77	0	N.D.		
12) Isophorone	0.00	82	0	N.D.		
13) bis(2-Chloroethoxy) methan	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Naphthalene	0.00	128	0	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	0.00	165	0	N.D.		
25) Diethylphthalate	0.00	149	0	N.D.	d	
26) 4-Chlorophenyl-phenyl ethe	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.		
30) N-Nitrosodiphenylamine	0.00	169	0	N.D.		
31) 4-Bromophenyl-phenyl ether	0.00	248	0	N.D.		
32) Hexachlorobenzene	0.00	284	0	N.D.		
33) Phenanthrene	0.00	178	0	N.D.		
34) Anthracene	0.00	178	0	N.D.		
35) Di-n-butylphthalate	0.00	149	0	N.D.	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) antracene	0.00	228	0	N.D.	d	
42) Bis (2-ethylhexyl) phthala	30.85	149	61696	0.56	ug/L	93
43) Chrysene	0.00	228	0	N.D.	d	
45) Di-n-Octylphthalate	0.00	149	0	N.D.		
46) Benzo (b) fluoranthene	0.00	252	0	N.D.		

(#) = qualifier out of range (m) = manual integration
6051.D 5080402.M Mon Apr 08 12:13:04 2002 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\040502\6051.D Vial: 10
Acq On : 6 Apr 2002 3:48 am Operator: Bohlk
Sample : SAMPLE 6051 3/15/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 08 12:06:13 2002 Quant Results File: 5080402.RES

Quant Method : C:\MSDCHEM\1\5973N\5080402.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Mon Apr 08 06:47:22 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

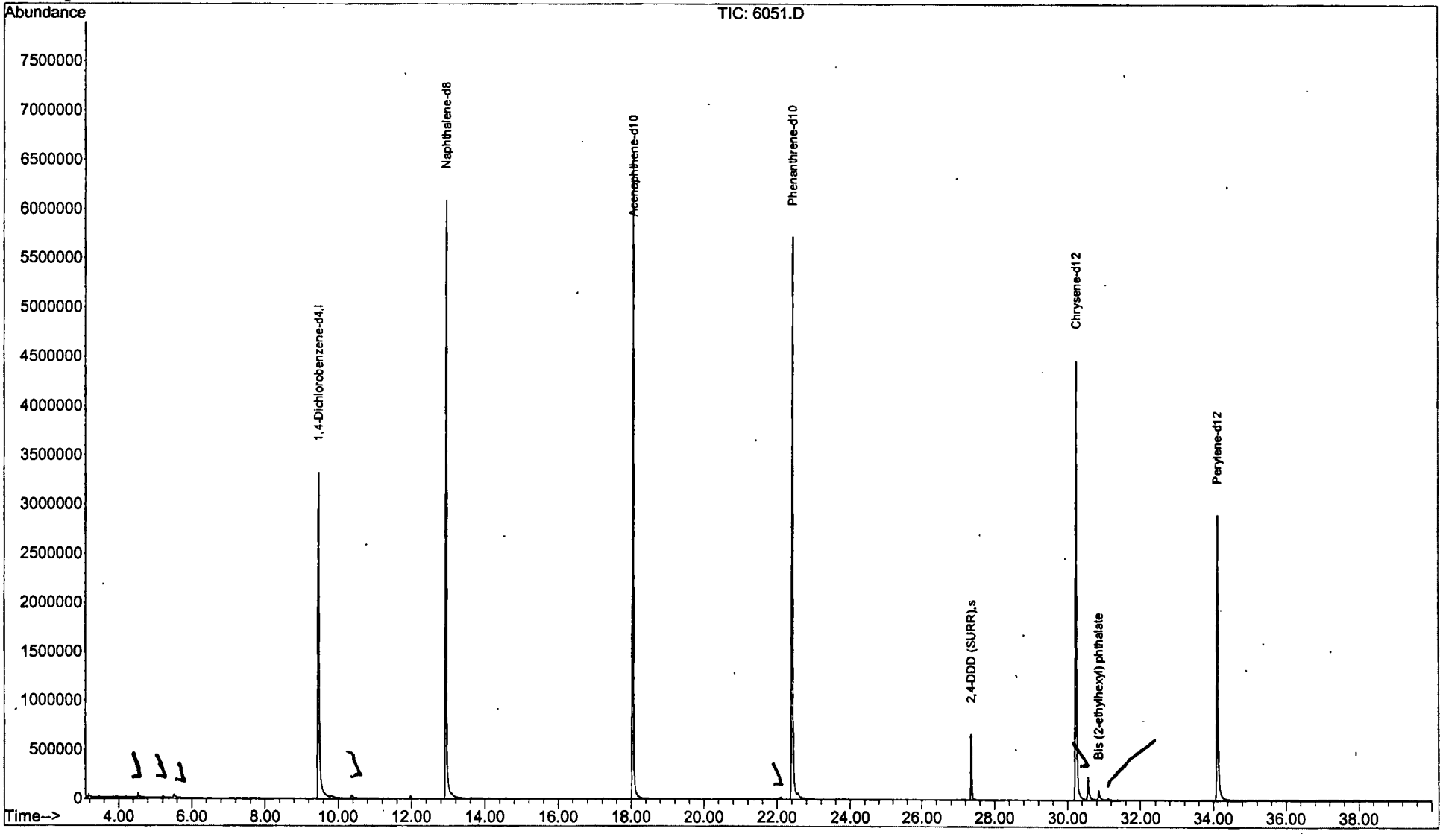
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
47) Benzo (k) fluoranthene	0.00	252	0	N.D.	
48) Benzo (a) pyrene	0.00	252	0	N.D. d	
49) Indeno (1,2,3-cd) pyrene	0.00	276	0	N.D.	
50) Dibenz (a,h) anthracene	0.00	278	0	N.D.	
51) Benzo (g,h,i) perylene	0.00	276	0	N.D.	

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\040502\6051.D Vial: 10
Acq On : 6 Apr 2002 3:48 am Operator: Bohlk
Sample : SAMPLE 6051 3/15/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 8 12:12 2002 Quant Results File: 5080402.RES

Method : C:\MSDCHEM\1\5973N\5080402.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Mon Apr 08 06:47:22 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\040502\6051.D Vial: 10
Acq On : 6 Apr 2002 3:48 am Operator: Bohlk
Sample : SAMPLE 6051 3/15/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\5973N\5080402.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
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

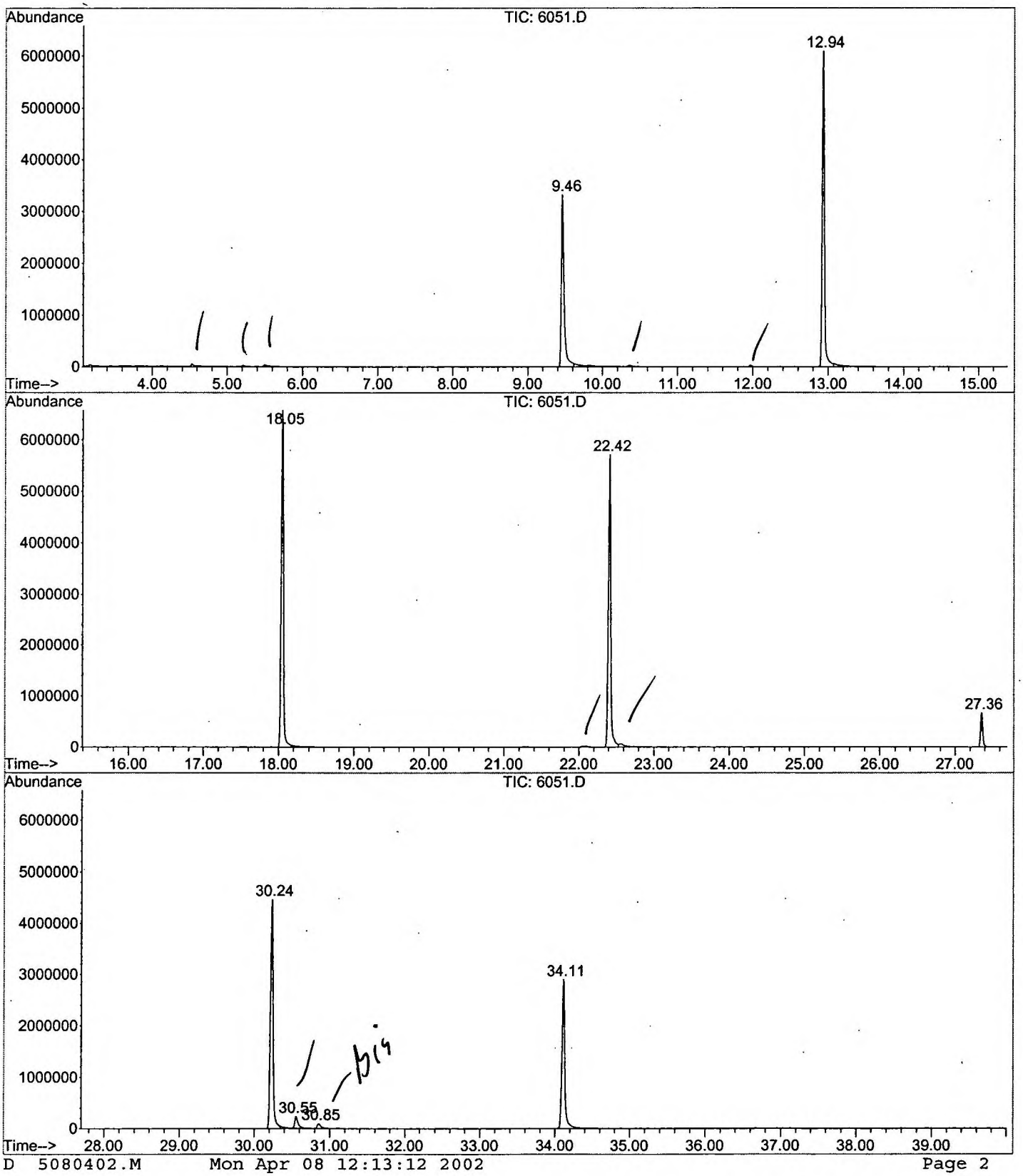
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.460	1079	1086	1113	rBV	3319658	8521852	62.33%	12.389%
2	12.938	1669	1678	1701	rBV	6088439	12436115	90.96%	18.080%
3	18.050	2538	2548	2568	rBV	6579013	13672548	100.00%	19.877%
4	22.416	3281	3291	3310	rBV2	5715379	13169077	96.32%	19.145%
5	27.357	4125	4132	4142	rBV	666190	1318302	9.64%	1.917%
6	30.236	4610	4622	4640	rBV2	4466663	10842942	79.30%	15.764%
7	30.553	4668	4676	4691	rBV2	230506	654099	4.78%	0.951%
8	30.853	4720	4727	4742	rBV2	93951	294199	2.15%	0.428%
9	34.114	5271	5282	5310	rBV2	2898330	7875058	57.60%	11.449%

Sum of corrected areas: 68784192

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\040502\6051.D
Operator : Bohlk
Acquired : 6 Apr 2002 3:48 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: SAMPLE 6051 3/15/02
Misc Info :
Vial Number: 10
Quant File :5080402.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\040502\6051.D Vial: 10
Acq On : 6 Apr 2002 3:48 am Operator: Bohlk
Sample : SAMPLE 6051 3/15/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

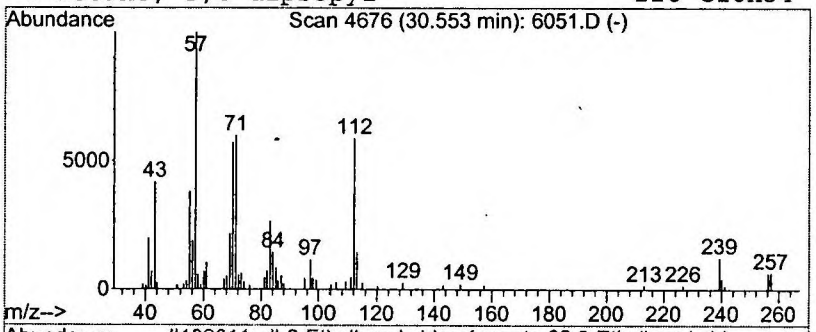
Quant Method : C:\MSDCHEM\1\5973N\5080402.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

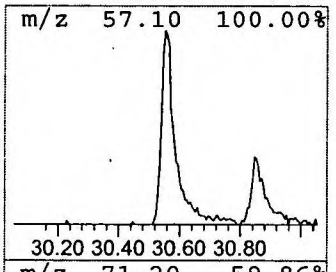
****

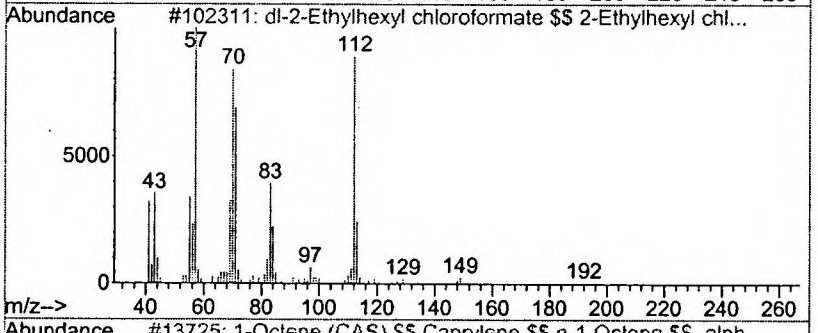
Peak Number 1 dl-2-Ethylhexyl chloroforma... Concentration Rank 1

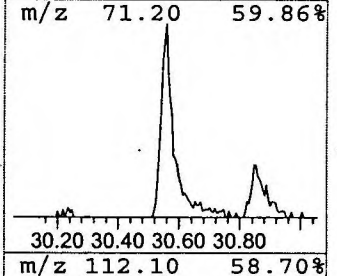
R.T.	EstConc	Area	Relative to ISTD	R.T.
30.55	1.21 ug/L	654099	Chrysene-d12	30.24

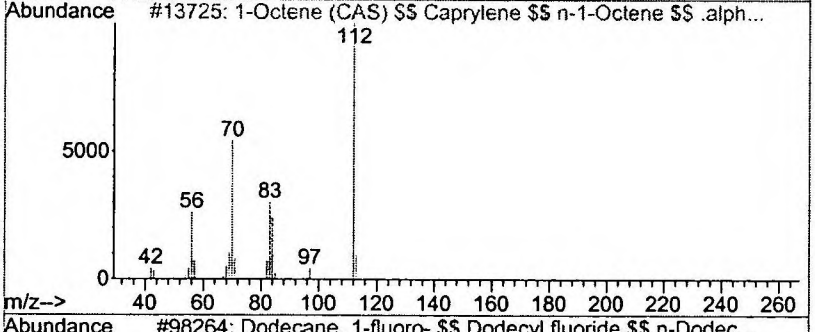
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	dl-2-Ethylhexyl chloroformate $$...	192	C9H17ClO2	024468-13-1	80
2	1-Octene (CAS) $$ Caprylene $$ n...	112	C8H16	000111-66-0	43
3	Dodecane, 1-fluoro- $$ Dodecyl f...	188	C12H25F	000334-68-9	43
4	Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	38

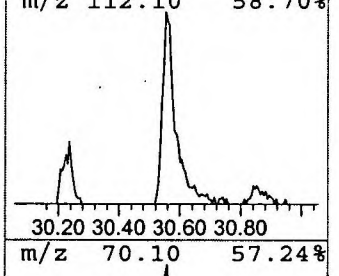


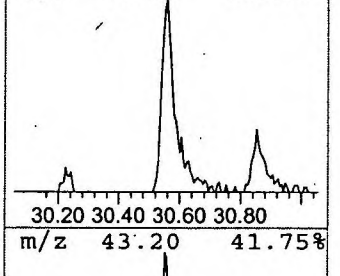


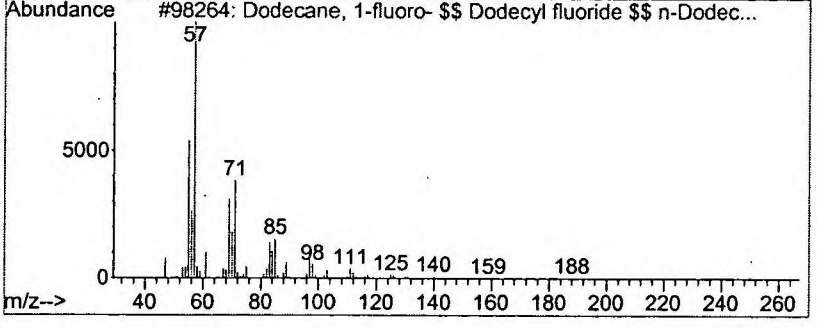


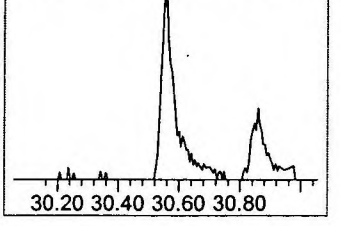












Tentatively Identified Compound (LSC) summary

Operator ID: Bohlk Date Acquired: 6 Apr 2002 3:48 am
Data File: C:\MSDCHEM\1\DATA\040502\6051.D
Name: SAMPLE 6051 3/15/02
Misc:
Method: C:\MSDCHEM\1\5973N\5080402.M (RTE Integrator)
Title: Quantitation For Method 508gcscan
Library Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
dl-2-Ethylhexyl c...	30.55	1.2	ug/L	654099	5	30.24	10842900	20.0