User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/17/2002 Time: 15:38:08

Sample: AE06304
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/17/02 15:37 Ended: 4/17/02 15:37 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		91		5.0

Comments for Sample AE06304 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-17-2002 Time: 15:38:20

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020408\6304.D Vial: 12
Acq On : 8 Apr 2002 9:07 pm Operator: McLean
Sample : 3/18 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Apr 09 15:14:07 2002 Quant Results File: SCANAPR0902.R

Quant Method : C:\MSDCHEM\1...\SCANAPR0902.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Last Update : Tue Apr 09 15:05:54 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.67	152	7030118	20.00	ug/l	0.00
10) Naphthalene-d8	15.79	136	25964412	20.00	ug/l	0.00
17) Acenaphthene-d10	23.68	164	14880558	20.00	ug/l	0.01
31) Phenanthrene-d10	30.93	188	24035882	20.00	ug/l	0.02
39) Chrysene-d12	39.11	240	17628128	20.00	ug/l	0.00
45) Perylene-d12	42.31	264	9131535	20.00	ug/l	0.00
System Monitoring Compounds						
28) TCMX	0.00	207	0	0.00	ug/l	
Spiked Amount 5.000			Recovery =	0.00%		
38) 2,4-DDD	36.62	235	→ 426135	1.58	ug/ml	0.00
Spiked Amount 5.000			Recovery =	31.60%		
Target Compounds						Qvalue
2) N-nitrosodimethylamine	0.00	74	0	N.D.		
3) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
4) 1.3-Dichlorbenzene	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-Chloropropane	0.00	45	0	N.D.		
8) N-Nitroso-di-n-propylamine	0.00	43	0	N.D.		
9) Hexachloroethane	0.00	119	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) Acenaphthylene	0.00	152	0	N.D.		
21) Dimethyl phthalate	0.00	163	0	N.D.		
22) 2,6-Dinitrotoluene	0.00	77	0	N.D.	d	
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
25) Fluorene	0.00	166	0	N.D.		
26) Diethyl phthalate	0.00	149	0	N.D.		
27) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
29) N-Nitrosodiphenylamine	0.00	168	0	N.D.		
30) Azobenzene	0.00	77	0	N.D.		
32) Hexachlorobenzene	0.00	284	0	N.D.		
33) 4-Bromophenyl-phenylether	0.00	248	0	N.D.		

4,5315 = 91% Qvalue

(#) = qualifier out of range (m) = manual integration
6304.D SCANAPR0902.M Tue Apr 09 15:14:47 2002 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020408\6304.D Vial: 12
Acq On : 8 Apr 2002 9:07 pm Operator: McLean
Sample : 3/18 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Apr 09 15:14:07 2002 Quant Results File: SCANAPR0902.R

Quant Method : C:\MSDCHEM\1...\SCANAPR0902.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Last Update : Tue Apr 09 15:05:54 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN1

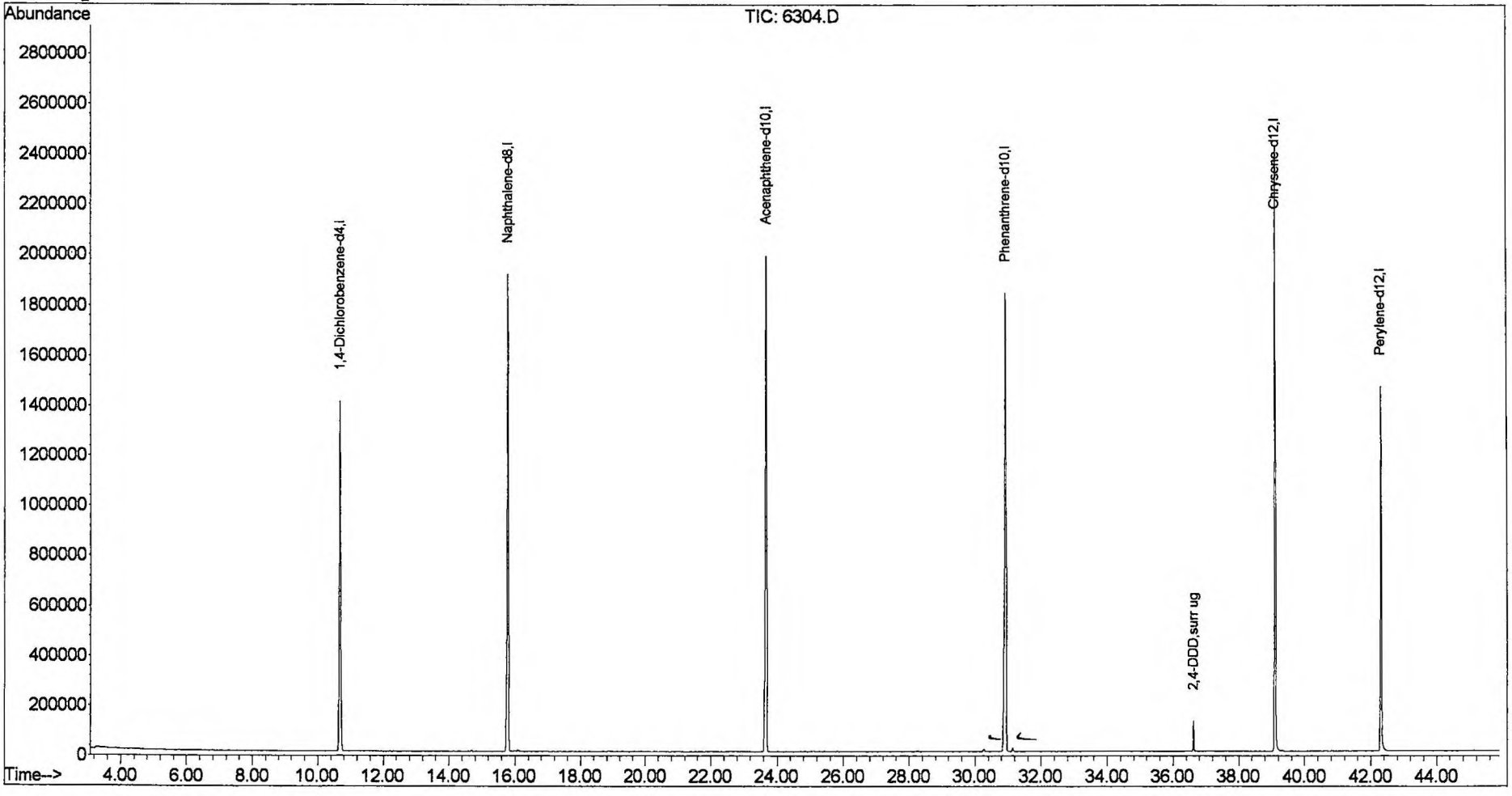
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
34) Phenanthrene	0.00	178	0	N.D.	
35) Anthracene	0.00	178	0	N.D.	
36) Di-n-butylphthalate	0.00	149	0	N.D.	
37) Fluoranthene	0.00	202	0	N.D.	
40) Pyrene	0.00	202	0	N.D.	
41) Buthylbenzylphthalate	0.00	149	0	N.D.	
42) Benz(a)anthracene	0.00	228	0	N.D.	d
43) Chrysene	0.00	228	0	N.D.	d
44) Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
46) Di-n-Octyl phthalate	0.00	149	0	N.D.	
47) Benzo(b)fluoranthene	0.00	252	0	N.D.	
48) Benzo(k)fluoranthene	0.00	252	0	N.D.	
49) Benzo(a)pyrene	0.00	252	0	N.D.	d
50) Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
51) Dibenz(a,h)anthracene	0.00	278	0	N.D.	
52) Benzo(ghi)perylene	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020408\6304.D Vial: 12
Acq On : 8 Apr 2002 9:07 pm Operator: McLean
Sample : 3/18 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Apr 9 15:14 2002 Quant Results File: SCANAPR0902.RES

Method : C:\MSDCHEM\1\METHODS\SCANAPR0902.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Last Update : Tue Apr 09 15:05:54 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\020408\6304.D Vial: 12
Acq On : 8 Apr 2002 9:07 pm Operator: McLean
Sample : 3/18 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Method : C:\MSDCHEM\1\METHODS\SCANAPR0902.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan

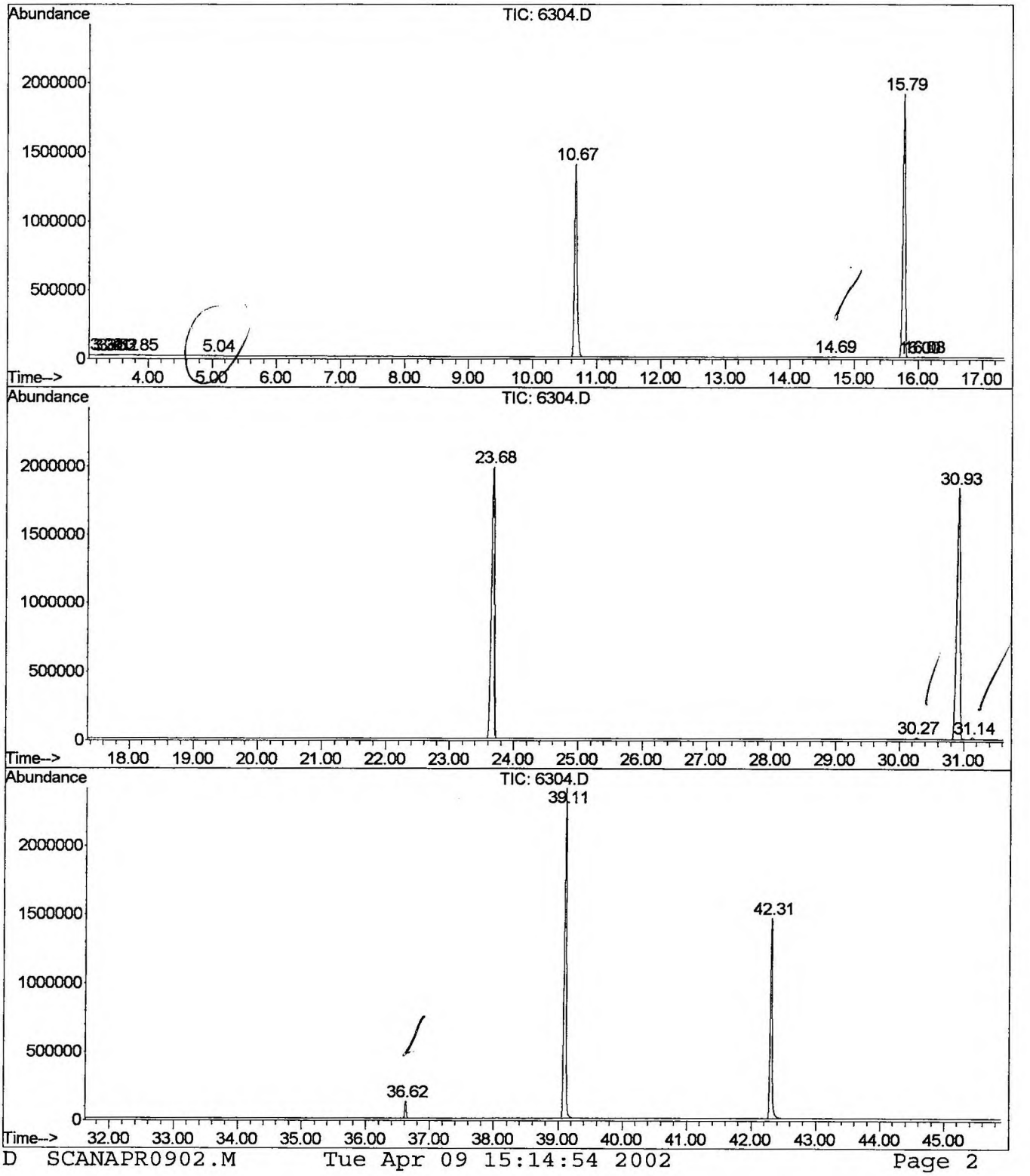
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.291	20	36	45	PV 7	7527	402689	0.65%	0.136%
2	3.349	45	46	54	VV 4	5466	172156	0.28%	0.058%
3	3.414	54	57	72	VV 4	5389	254831	0.41%	0.086%
4	3.514	72	74	79	VV 2	4981	100103	0.16%	0.034%
5	3.849	128	131	138	VV 5	3873	85763	0.14%	0.029%
6	5.041	329	334	338	PV 3	1669	26720	0.04%	0.009%
7	10.670	1276	1292	1313	PV	1393052	39248168	63.27%	13.213%
8	14.689	1960	1976	1986	VV 3	4521	130544	0.21%	0.044%
9	15.788	2146	2163	2176	PV	1883203	50966898	82.16%	17.158%
10	15.999	2189	2199	2206	VV 2	3371	76853	0.12%	0.026%
11	16.076	2206	2212	2231	VV 2	6417	195263	0.31%	0.066%
12	23.685	3487	3507	3519	VV	1979921	60149381	96.96%	20.249%
13	30.265	4617	4627	4638	VV 3	10141	266345	0.43%	0.090%
14	30.929	4718	4740	4756	BV 2	1821404	62036088	100.00%	20.885%
15	31.135	4765	4775	4787	PV 2	13403	319029	0.51%	0.107%
16	36.623	5702	5709	5716	VV	123092	1944627	3.13%	0.655%
17	39.114	6121	6133	6159	PV	2372889	50348288	81.16%	16.950%
18	42.316	6661	6678	6710	PV 2	1460946	30317925	48.87%	10.207%

Sum of corrected areas: 297041670

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\020408\6304.D
Operator : McLean
Acquired : 8 Apr 2002 9:07 pm using AcqMethod 508SCAN1
Instrument : Instrumen
Sample Name: 3/18
Misc Info :
Vial Number: 12
Quant File :SCANAPR0902.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020408\6304.D
Acq On : 8 Apr 2002 9:07 pm
Sample : 3/18
Misc :
MS Integration Params: LSCINT.e

Vial: 12
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

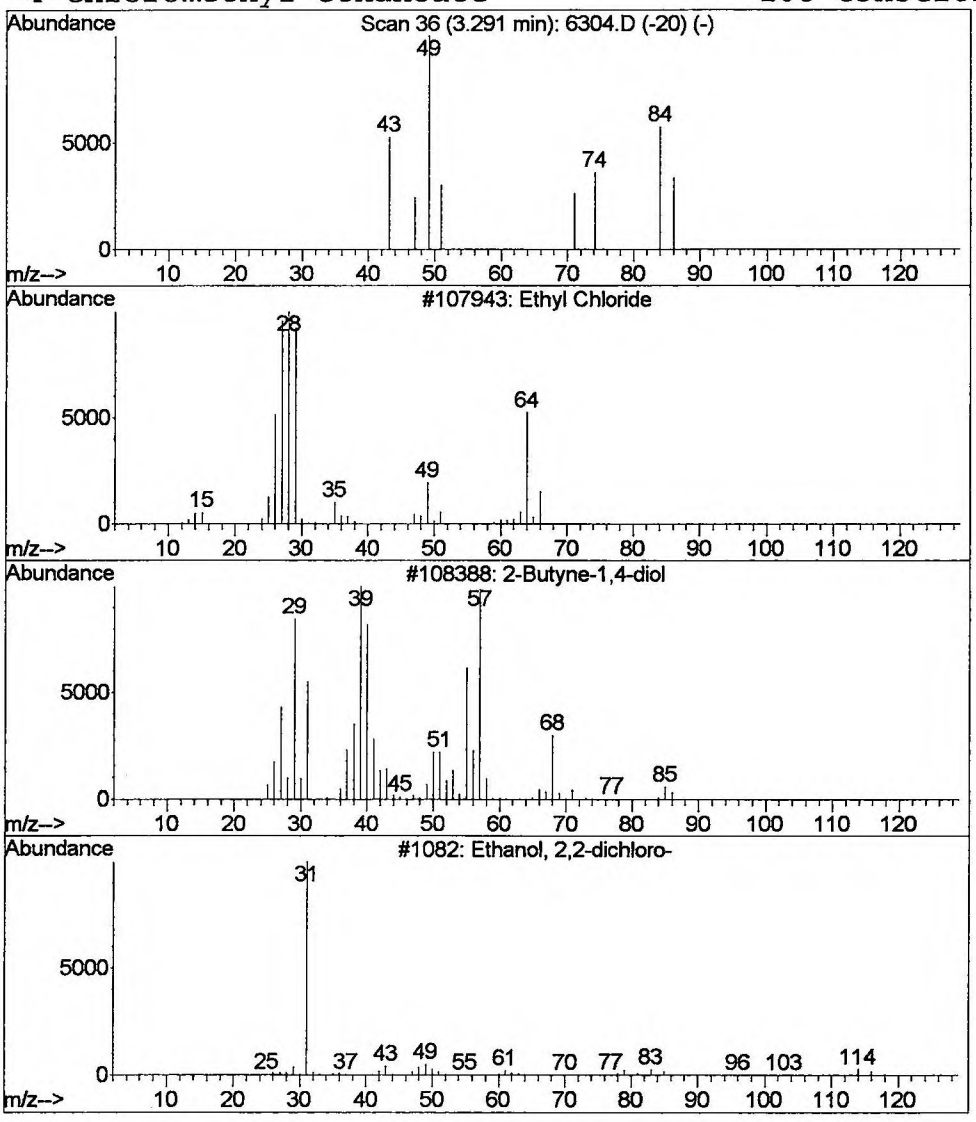
Quant Method : C:\MSDCHEM\1...\SCANAPR0902.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

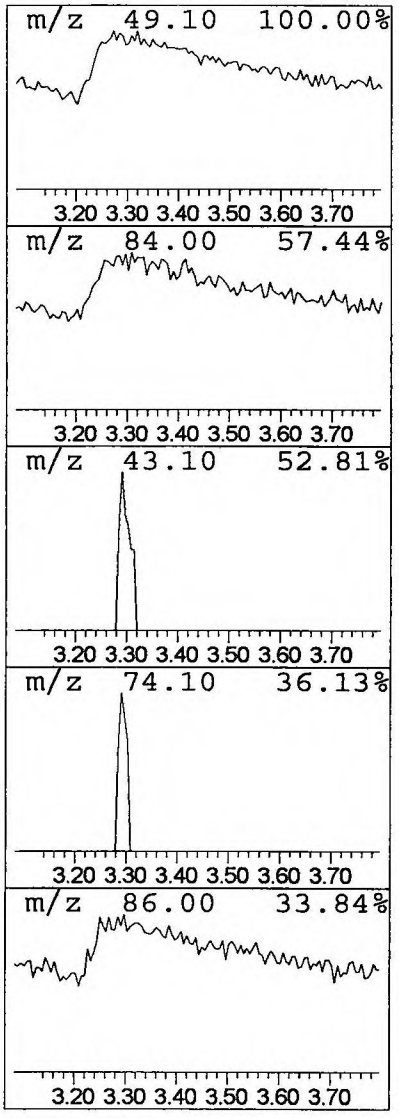
****

Peak Number 1 Ethyl Chloride Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.29	0.21 ug/l	402689	1,4-Dichlorobenzene-d4	10.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Chloride	64	C2H5Cl	000075-00-3	4
2	2-Butyne-1,4-diol	86	C4H6O2	000110-65-6	3
3	Ethanol, 2,2-dichloro-	114	C2H4Cl2O	000598-38-9	2
4	Chloromethyl ethanoate	108	C3H5ClO2	1000143-34-6	2





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020408\6304.D Vial: 12
Acq On : 8 Apr 2002 9:07 pm Operator: McLean
Sample : 3/18 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

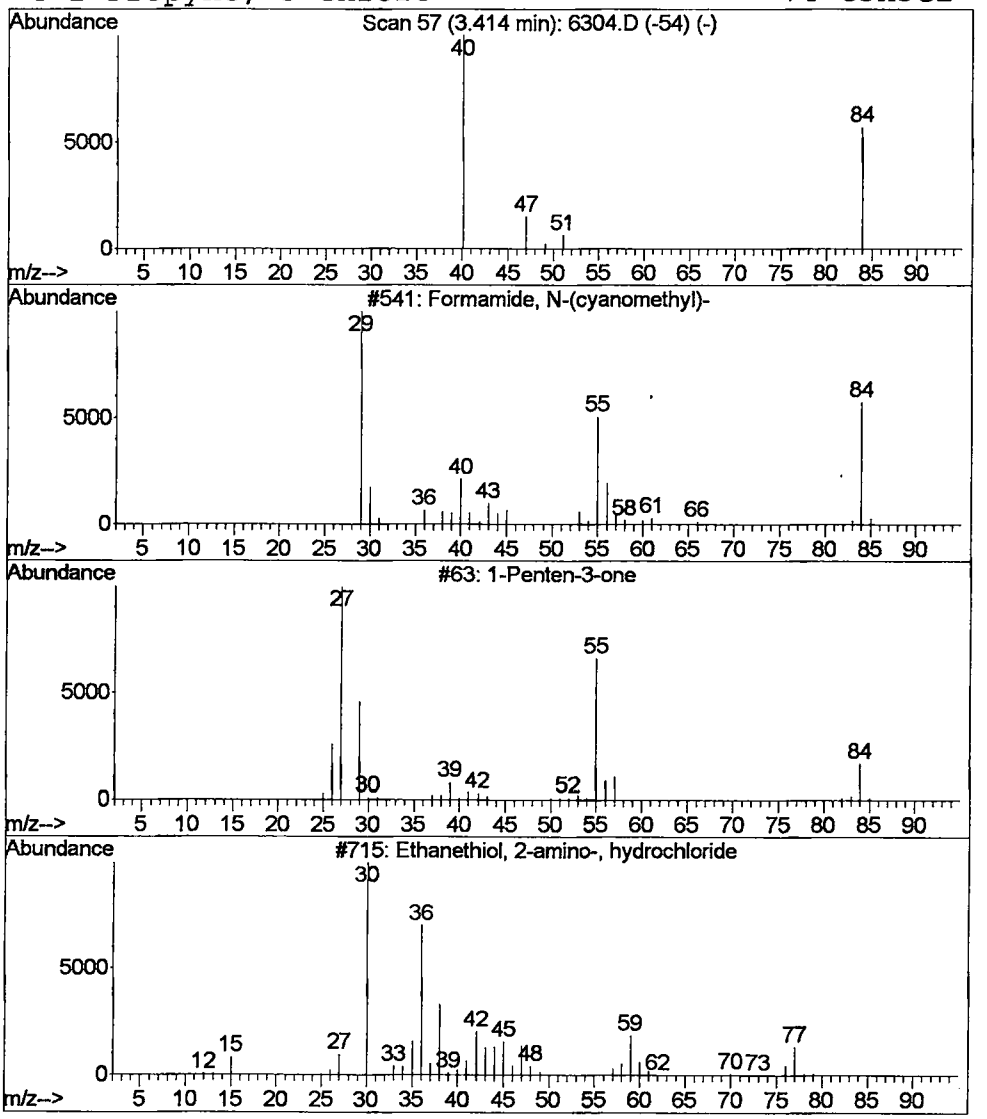
Quant Method : C:\MSDCHEM\1...\SCANAPR0902.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

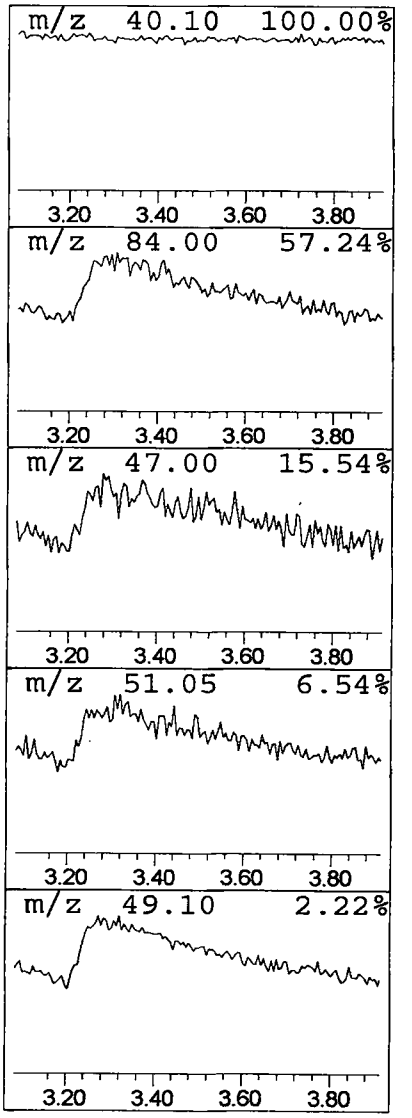
****

Peak Number 2 Formamide, N-(cyanomethyl)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.41	0.13 ug/l	254831	1,4-Dichlorobenzene-d4	10.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Formamide, N-(cyanomethyl)-	84	C3H4N2O	005018-27-9	2
2	1-Penten-3-one	84	C5H8O	001629-58-9	1
3	Ethanethiol, 2-amino-, hydrochlo...	113	C2H8ClNS	000156-57-0	1
4	1-Propyne, 3-chloro-	74	C3H3Cl	000624-65-7	1





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\020408\6304.D
Acq On : 8 Apr 2002 9:07 pm
Sample : 3/18
Misc :
MS Integration Params: LSCINT.e

Vial: 12
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

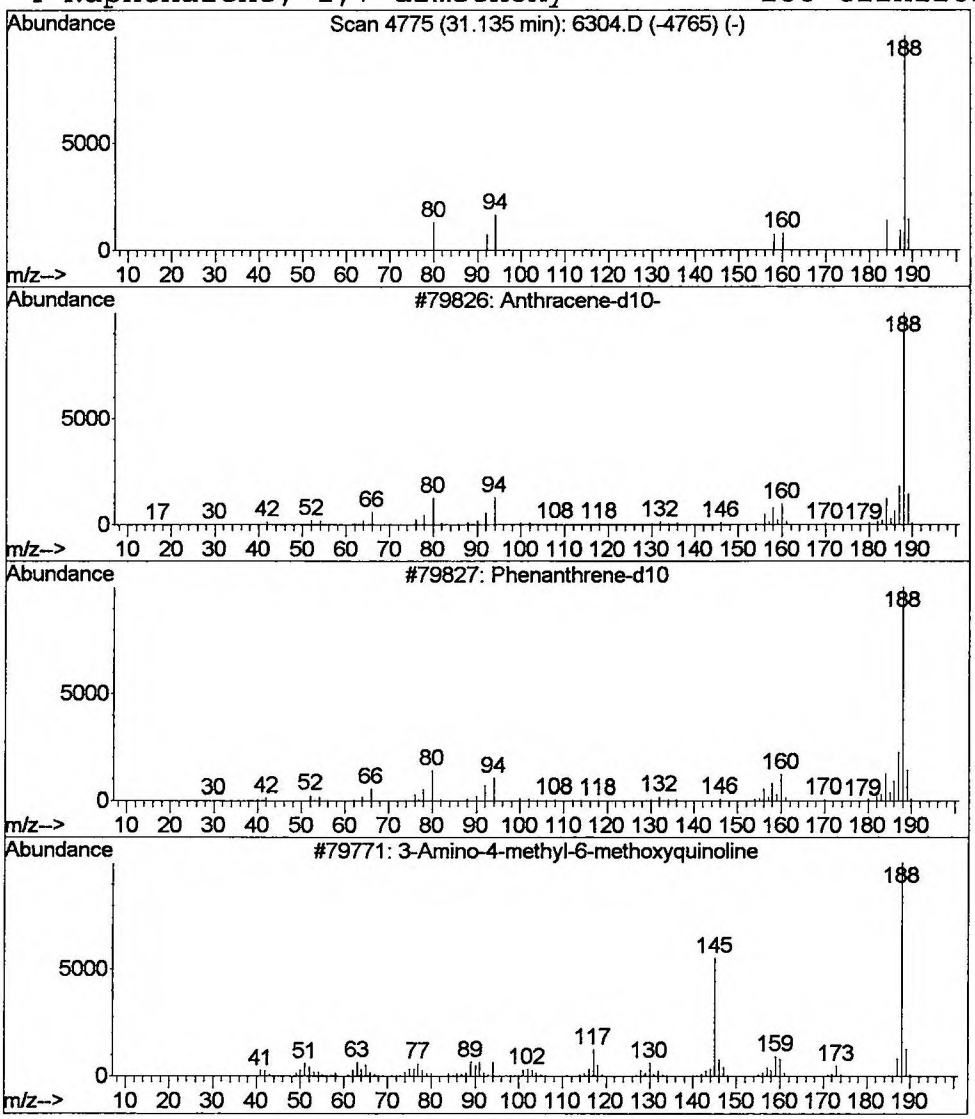
Quant Method : C:\MSDCHEM\1...\SCANAPR0902.M (Chemstation Integrator)
Title : Method 508 GC/MS Scan
Library : C:\DATABASE\nist98.l

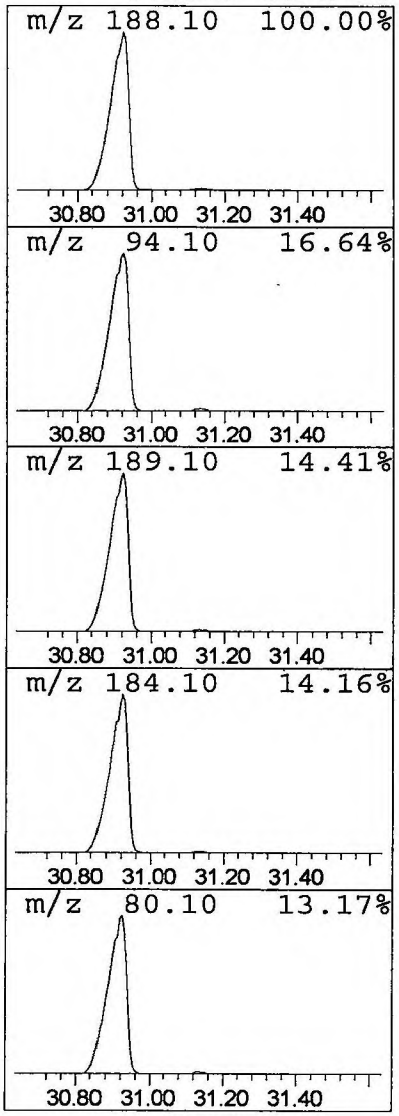
****

Peak Number 3 Anthracene-d10- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.14	0.10 ug/l	319029	Phenanthrene-d10	30.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-d10-	188	C14D10	001719-06-8	86
2	Phenanthrene-d10	188	C14D10	001517-22-2	78
3	3-Amino-4-methyl-6-methoxyquinoline	188	C11H12N2O	1000213-71-3	45
4	Naphthalene, 1,7-dimethoxy-	188	C12H12O2	005309-18-2	45





Tentatively Identified Compound (LSC) summary

Operator ID: McLean Date Acquired: 8 Apr 2002 9:07 pm
Data File: C:\MSDCHEM\1\DATA\020408\6304.D
Name: 3/18
Misc:
Method: C:\MSDCHEM\1\METHODS\SCANAPR0902.M (Chemstation Integrator)
Title: Method 508 GC/MS Scan
Library Searched: C:\DATABASE\nist98.l

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Ethyl Chloride	3.29	0.2	ug/l	402689	1	10.67	39248200	20.0
Formamide, N-(cya...	3.41	0.1	ug/l	254831	1	10.67	39248200	20.0
Anthracene-d10-	31.14	0.1	ug/l	319029	4	30.93	62036100	20.0