User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/30/2002 Time: 09:18:53

Sample: AE11420
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/30/02 09:18 Ended: 5/30/02 09:18 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		85		10.0

Comments for Sample AE11420 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-30-2002 Time: 09:19:19

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 3 of the 43 compounds in the LCS Standard were low.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052002\11420.D Vial: 10
Acq On : 20 May 2002 8:37 pm Operator: Mclean
Sample : 5/16 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 23 10:47:04 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.94	152	6271818	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	24857367	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	13604709	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	20034923	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	14686898	40.00	ug/L	0.00
43) Perylene-d12	34.71	264	9398321	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2798451	33.88	ug/L	0.00
Spiked Amount 40.000			Recovery = 84.70%			
Target Compounds						Qvalue
2) n-nitros-dimethyl amine	0.00	74	0	N.D.	d	
3) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
4) 1,3-Dichlorobenzene	9.77	146	33422	N.D.		
5) 1,4-Dichlorobenzene	9.98	146	36779	N.D.		
6) 1,2-Dichlorobenzene	10.36	146	27390	N.D.		
7) 2,2'oxybis(1-Chloropropane	0.00	45	0	N.D.		
8) N-nitroso-di-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	12.94	93	4174	N.D.		
14) 1,2,4-Trichlorobenzene	13.30	180	16451	N.D.		
15) Napthalene	13.48	128	57949	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) 2-Chloronaphthalene	0.00	162	0	N.D.		
19) Dimethylphthalate	0.00	163	0	N.D.		
20) 2,6-Dinitrotoluene	0.00	165	0	N.D.		
21) Acenapthylene	0.00	152	0	N.D.		
22) Acenapthalene	0.00	153	0	N.D.		
23) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
24) Diethylphthalate	0.00	149	0	N.D.		
25) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
26) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	20.54	77	46935	N.D.		
30) Nnitrosodiphenylamine	20.54	169	54575	N.D.		
31) 4-Bromophenyl-phenylether	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	25.08	149	20237	N.D.		

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

Quantitation Report (QT Reviewed)

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Sample : 5/16 eh Inst : Instrumen
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Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Fluoroanthene	0.00	202	0	N.D.	
38)	Pyrene	0.00	202	0	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	30.81	228	44479	N.D.	
41)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
42)	Chrysene	0.00	228	0	N.D.	
44)	Di-n-octylphthalate	0.00	149	0	N.D.	
45)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
46)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
47)	Benzo(a)pyrene	0.00	252	0	N.D.	
48)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
49)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
50)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

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

Quantitation Report (QT Reviewed)

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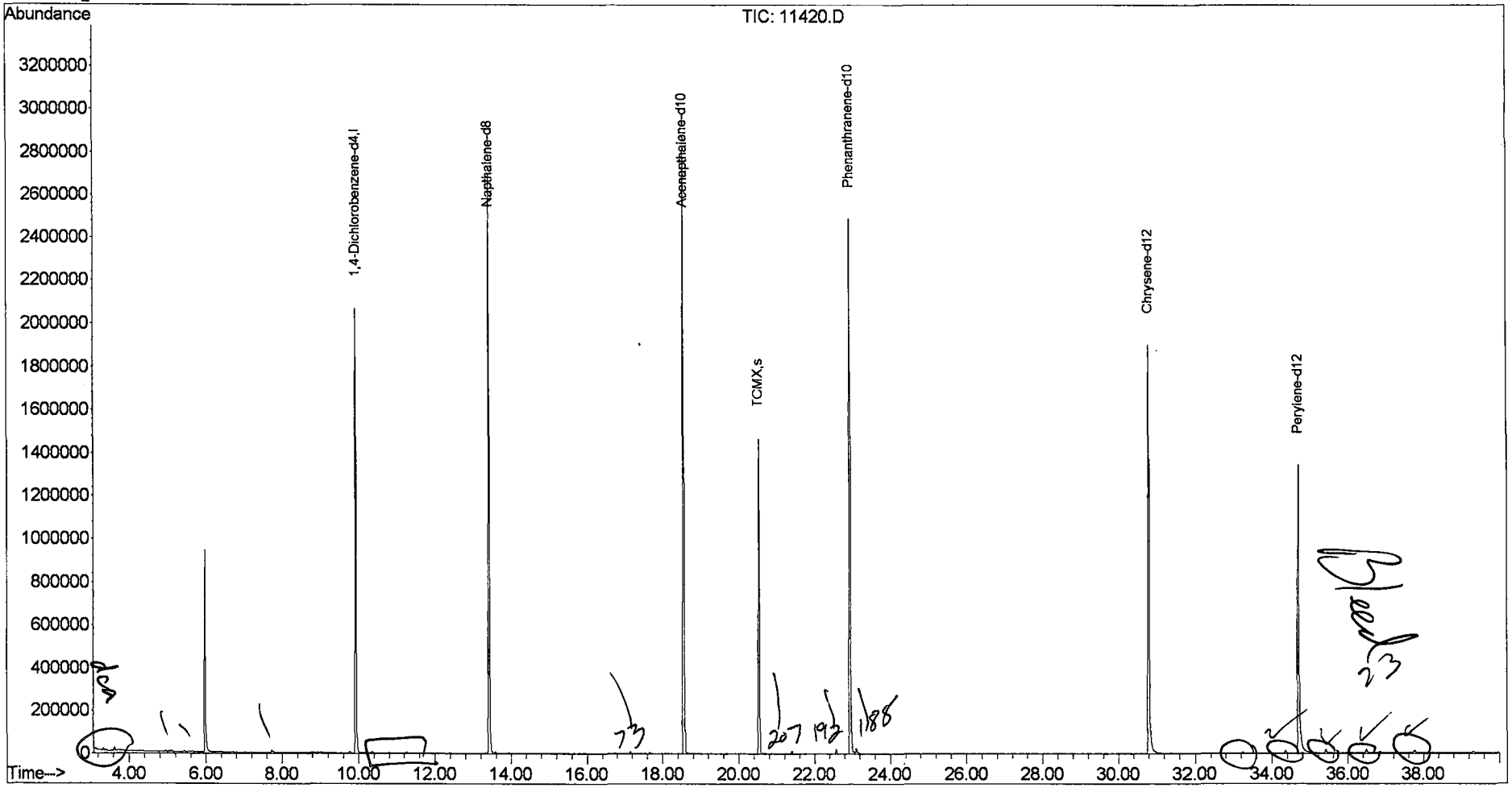
Acq On : 20 May 2002 8:37 pm Operator: Mclean
Sample : 5/16 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 23 10:47 2002 Quant Results File: 050102.RES

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\052002\11420.D
Acq On : 20 May 2002 8:37 pm
Sample : 5/16 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 10
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan

Signal : TIC

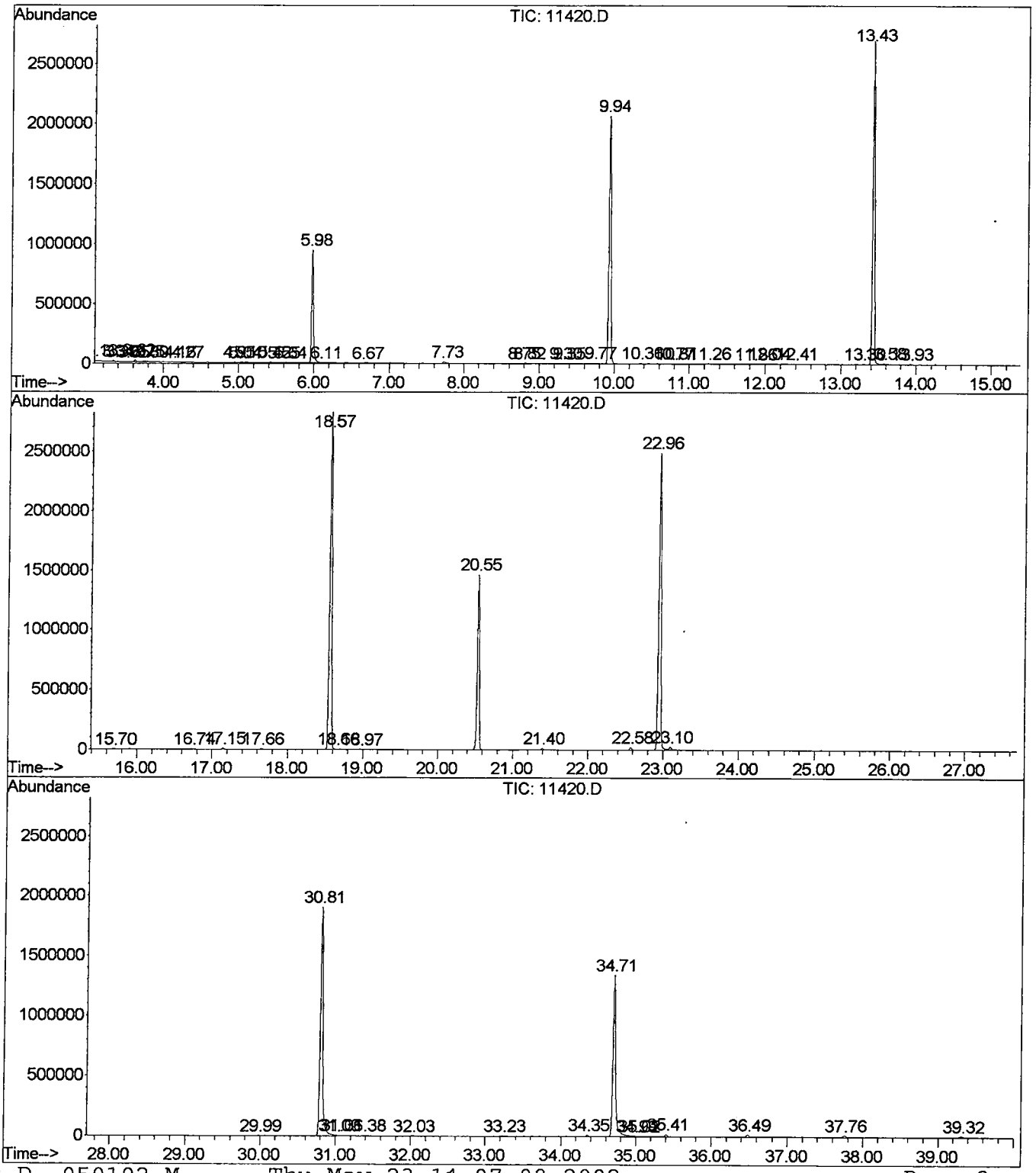
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.126	3	8	17	BV 3	4881	94644	0.17%	0.029%
2	3.338	39	44	49	PV 3	9509	141111	0.25%	0.043%
3	3.391	49	53	63	VV 9	3013	77960	0.14%	0.024%
4	3.549	75	80	86	PV 8	2536	53951	0.10%	0.016%
5	3.626	86	93	103	VV 3	16933	313037	0.56%	0.094%
6	3.749	103	114	121	VV 5	7396	290057	0.52%	0.087%
7	3.802	121	123	129	VV 6	3544	81342	0.15%	0.025%
8	4.166	181	185	196	VV 7	3049	91306	0.16%	0.028%
9	4.266	196	202	206	VV 4	3121	64606	0.12%	0.019%
10	4.954	315	319	329	VV 3	5821	90950	0.16%	0.027%
11	5.036	329	333	340	PV 6	4106	100567	0.18%	0.030%
12	5.101	340	344	353	VV 7	6407	154109	0.28%	0.046%
13	5.424	392	399	407	VV 2	5432	133079	0.24%	0.040%
14	5.553	415	421	425	PV 7	2858	58956	0.11%	0.018%
15	5.635	430	435	450	VV 9	4098	130132	0.23%	0.039%
16	5.976	484	493	515	VV	919215	16297695	29.22%	4.914%
17	6.111	515	516	521	VV 4	3576	50971	0.09%	0.015%
18	6.663	606	610	612	PV 4	1829	25432	0.05%	0.008%
19	7.727	787	791	809	VV 3	12108	328308	0.59%	0.099%
20	8.743	958	964	971	PV 5	2372	60035	0.11%	0.018%
21	8.820	971	977	985	VV 3	3680	88819	0.16%	0.027%
22	9.302	1055	1059	1065	VV 4	2854	67745	0.12%	0.020%
23	9.354	1065	1068	1077	VV 5	3134	67627	0.12%	0.020%
24	9.766	1126	1138	1147	VV 2	7004	137762	0.25%	0.042%
25	9.936	1154	1167	1189	VV	2059074	38254537	68.60%	11.534%
26	10.353	1230	1238	1249	VV 6	6669	146634	0.26%	0.044%
27	10.770	1301	1309	1312	VV 4	1742	25693	0.05%	0.008%
28	10.806	1312	1315	1326	VV 7	2291	51513	0.09%	0.016%
29	11.258	1382	1392	1396	PV 5	4902	71433	0.13%	0.022%
30	11.863	1492	1495	1502	VV 4	1762	26130	0.05%	0.008%
31	12.034	1520	1524	1536	VV 4	2278	45948	0.08%	0.014%
32	12.410	1581	1588	1596	PV 2	3309	55613	0.10%	0.017%
33	13.303	1734	1740	1746	VV 4	3975	64320	0.12%	0.019%
34	13.432	1750	1762	1778	PV	2710184	51069947	91.57%	15.398%
35	13.579	1778	1787	1794	VV 2	8411	172149	0.31%	0.052%
36	13.932	1842	1847	1852	PV 3	5527	74807	0.13%	0.023%
37	15.700	2142	2148	2158	VV 4	2308	49750	0.09%	0.015%

38	16.740	2319	2325	2337	VV	2	4516	91276	0.16%	0.028%
39	17.145	2389	2394	2401	VV	3	10003	153886	0.28%	0.046%
40	17.663	2477	2482	2488	PV	3	5385	78996	0.14%	0.024%
41	18.567	2624	2636	2649	PV		2785402	55768632	100.00%	16.815%
42	18.655	2649	2651	2656	VV	3	3456	63876	0.11%	0.019%
43	18.973	2697	2705	2713	PV	5	1596	36548	0.07%	0.011%
44	20.547	2960	2973	2985	PV		1463386	27983721	50.18%	8.437%
45	21.393	3108	3117	3128	VV	3	13864	216678	0.39%	0.065%
46	22.580	3307	3319	3327	VV	2	22321	403085	0.72%	0.122%
47	22.956	3371	3383	3402	PV	2	2495531	54723607	98.13%	16.500%
48	23.103	3402	3408	3422	VV	2	25010	583340	1.05%	0.176%
49	29.984	4572	4579	4588	VV	2	2156	46480	0.08%	0.014%
50	30.806	4703	4719	4756	PV	2	1885213	45664587	81.88%	13.768%
51	31.029	4756	4757	4761	VV	4	5029	72947	0.13%	0.022%
52	31.059	4761	4762	4766	VV	3	3875	71245	0.13%	0.021%
53	31.376	4809	4816	4823	VV	7	3933	107893	0.19%	0.033%
54	32.028	4921	4927	4933	VV	5	2310	50793	0.09%	0.015%
55	33.233	5123	5132	5147	VV	4	5804	129698	0.23%	0.039%
56	34.355	5316	5323	5332	PV	2	12228	258709	0.46%	0.078%
57	34.708	5371	5383	5430	PV	2	1349580	34540142	61.93%	10.414%
58	34.995	5430	5432	5435	VV	4	4788	68074	0.12%	0.021%
59	35.025	5435	5437	5440	VV	4	3393	47371	0.08%	0.014%
60	35.407	5494	5502	5509	VV	2	17110	368949	0.66%	0.111%
61	36.488	5671	5686	5694	PV	5	15245	369208	0.66%	0.111%
62	37.757	5889	5902	5913	PV	5	11338	351200	0.63%	0.106%
63	39.314	6147	6167	6184	PV	8	8023	304314	0.55%	0.092%

Sum of corrected areas: 331663933

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\052002\11420.D
Operator : Mclean
Acquired : 20 May 2002 8:37 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/16 eh
Misc Info :
Vial Number: 10
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052002\11420.D Vial: 10
Acq On : 20 May 2002 8:37 pm Operator: Mclean
Sample : 5/16 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

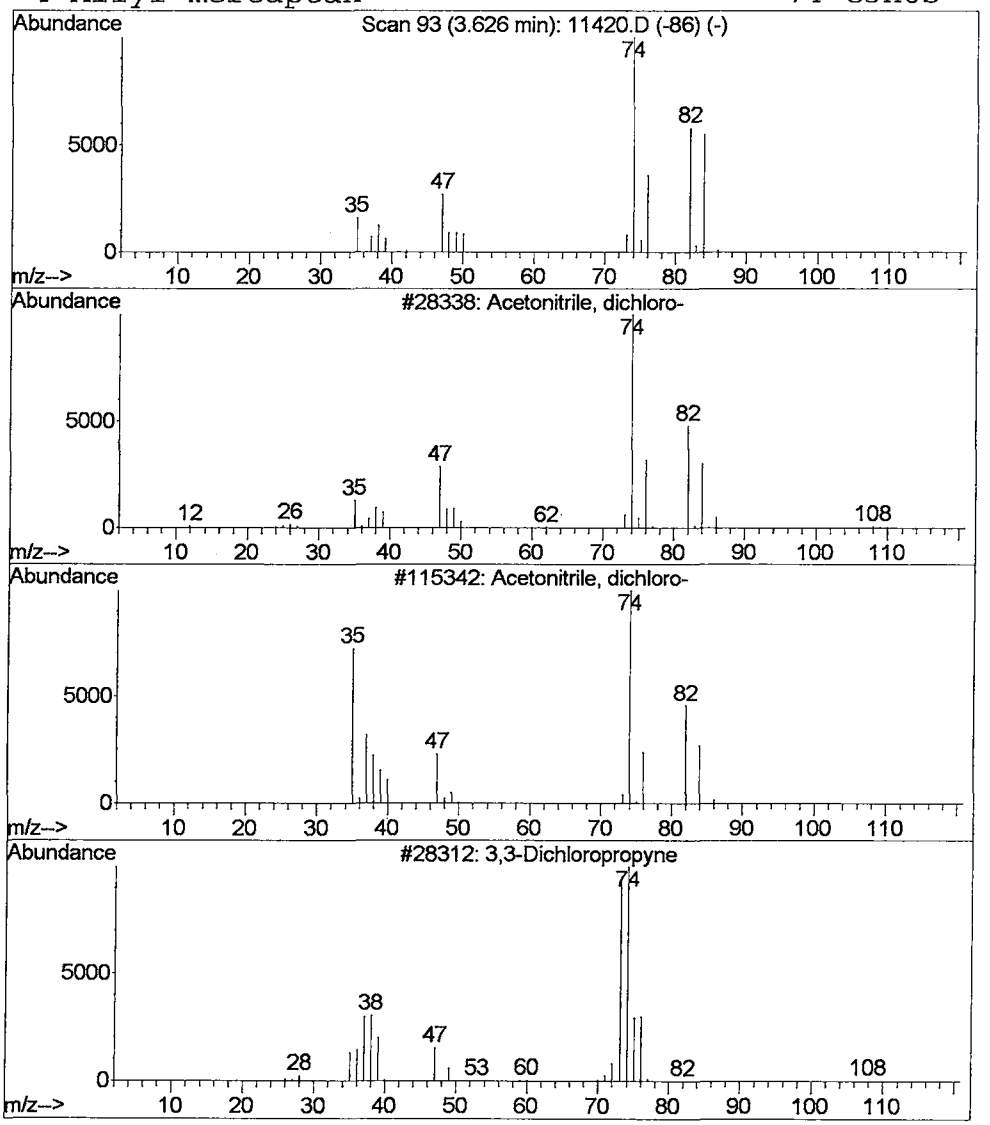
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

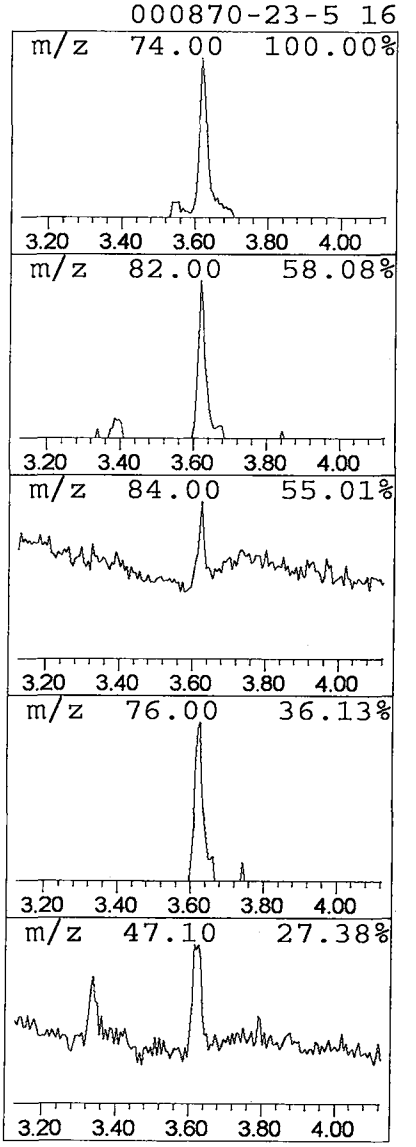
****

Peak Number 1 Acetonitrile, dichloro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	0.33 ug/L	313037	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	86
2	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	45
3	3,3-Dichloropropyne	108	C3H2Cl2	1000222-23-9	23
4	Allyl mercaptan	74	C3H6S	000870-23-5	16





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\052002\11420.D
Acq On : 20 May 2002 8:37 pm
Sample : 5/16 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 10
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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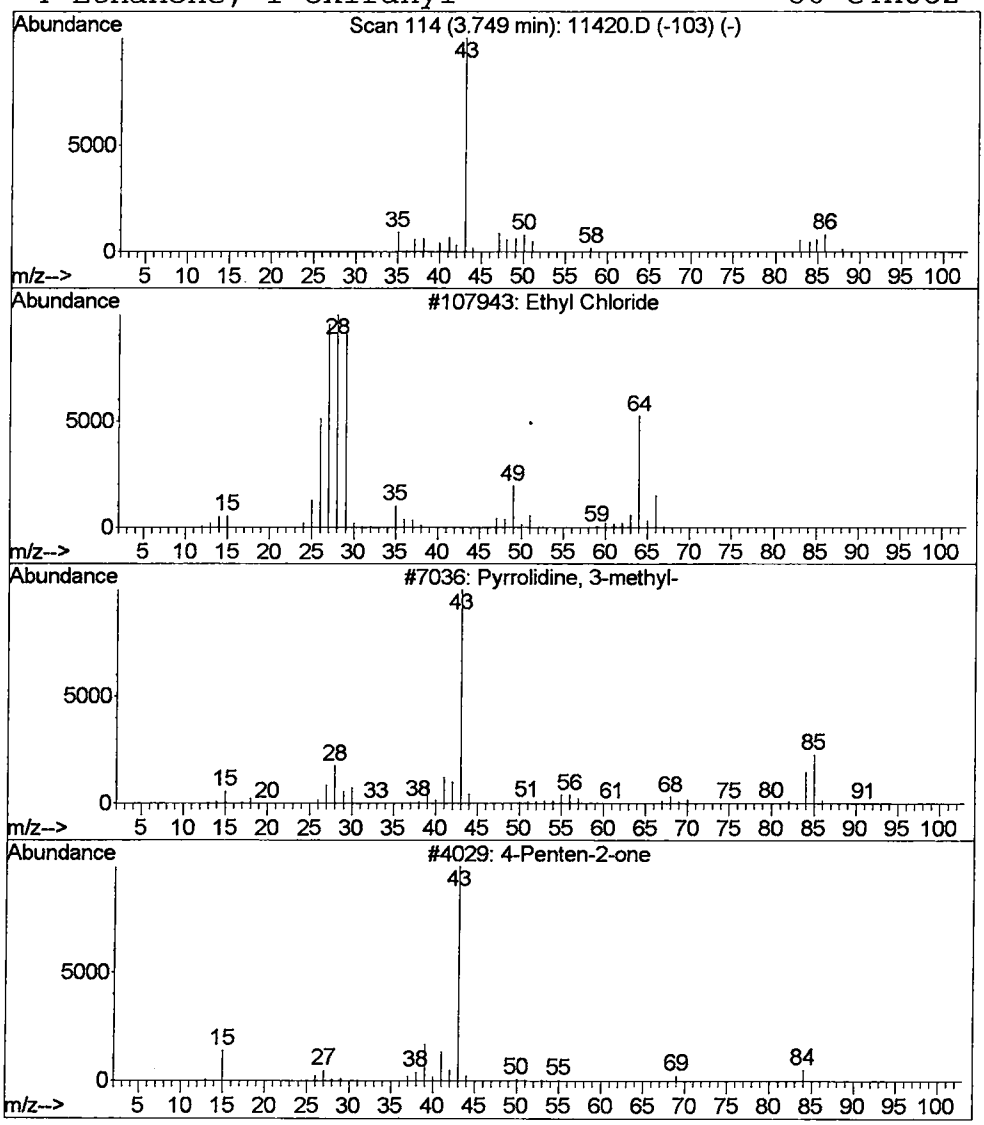
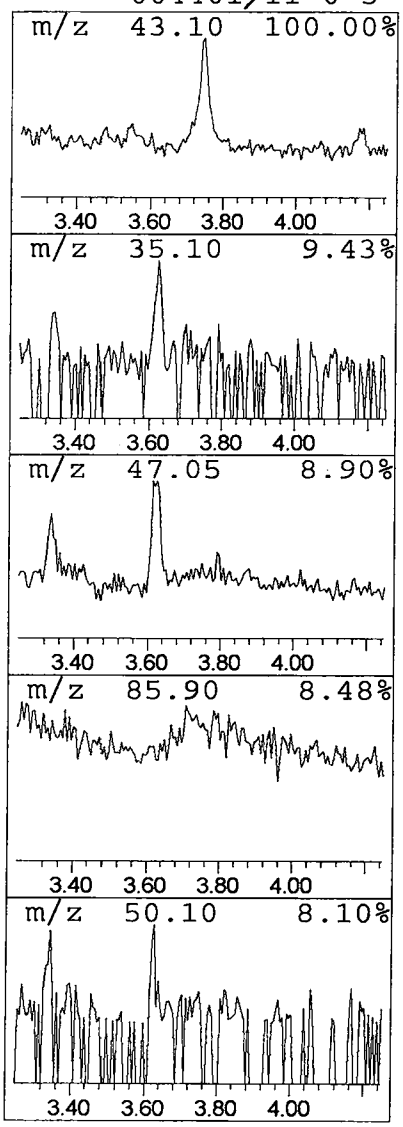
Peak Number 2 Ethyl Chloride Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	0.30 ug/L	290057	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Chloride	64	C2H5Cl	000075-00-3	10
2	Pyrrolidine, 3-methyl-	85	C5H11N	034375-89-8	5
3	4-Penten-2-one	84	C5H8O	013891-87-7	5
4	Ethanone, 1-oxiranyl-	86	C4H6O2	004401-11-0	5





Library Search Compound Report

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Acq On : 20 May 2002 8:37 pm Operator: Mclean
Sample : 5/16 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	17.04 ug/L	16297700	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	90
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	78
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
4	Acetone	58	C3H6O	000067-64-1	32