LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
Data File : VW006210.D
Acq On : 19 Oct 2018 08:13
Operator : VA/AP
Sample : J5195-03
Misc : 4.87G/5ML/MSVOA_W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-101818-A

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.147	356	368	378	rBV2	9640	30855	8.37%	0.951%
2	4.915	481	494	507	rBV2	8599	28249	7.66%	0.871%
3	7.153	849	861	876	rBV2	11167	35866	9.72%	1.106%
4	7.884	971	981	986	rBV	75882	180106	48.83%	5.552%
5	7.951	986	992	1001	rVB	142479	311946	84.57%	9.617%
6	8.311	1041	1051	1065	rBV	68599	153837	41.71%	4.743%
7	8.500	1077	1082	1088	rVV6	1562	3864	1.05%	0.119%
8	8.848	1128	1139	1151	rBV	184482	368848	100.00%	11.371%
9	9.335	1206	1219	1226	rBV	10654	26630	7.22%	0.821%
10	9.616	1256	1265	1271	rVB3	2185	4735	1.28%	0.146%
11	9.756	1283	1288	1295	rVB5	3940	7780	2.11%	0.240%
12	9.853	1299	1304	1308	rBV3	2684	4973	1.35%	0.153%
13	10.091	1336	1343	1347	rBV5	2406	5880	1.59%	0.181%
14	10.207	1355	1362	1367	rBV5	3834	7540	2.04%	0.232%
15	10.329	1374	1382	1391	rBV	195055	362545	98.29%	11.177%
16	10.451	1398	1402	1404	rBV3	2866	3973	1.08%	0.122%
17	10.500	1404	1410	1411	rBV2	6350	10264	2.78%	0.316%
18	10.664	1433	1437	1442	rBV2	12769	21570	5.85%	0.665%
19	10.762	1447	1453	1459	rVB4	10923	25778	6.99%	0.795%
20	10.847	1464	1467	1472	rVB5	2840	4626	1.25%	0.143%
21	10.939	1476	1482	1487	rVB4	3302	5354	1.45%	0.165%
22	11.024	1487	1496	1498	rBV6	3828	8907	2.41%	0.275%
23	11.109	1506	1510	1512	rBV4	5172	7487	2.03%	0.231%
24	11.146	1512	1516	1518	rVV5	7612	13344	3.62%	0.411%
25	11.183	1518	1522	1526	rVV	19081	33297	9.03%	1.026%
26	11.231	1526	1530	1536	rVV	20742	38100	10.33%	1.175%
27	11.292	1536	1540	1542	rVV4	4304	6545	1.77%	0.202%
28	11.335	1542	1547	1553	rVB3	7882	14237	3.86%	0.439%
29	11.439	1558	1564	1572	rVB5	11123	24042	6.52%	0.741%
30	11.518	1572	1577	1580	rBV2	3540	6056	1.64%	0.187%
31	11.554	1580	1583	1589	rVB7	2809	4466	1.21%	0.138%
32	11.634	1589	1596	1603	rBV	171506	291052	78.91%	8.973%
33	11.725	1608	1611	1615	rBV2	6744	10079	2.73%	0.311%
34	11.774	1615	1619	1622	rVB2	5791	7281	1.97%	0.224%

LSC Area Percent Report

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ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-101818-A

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Title : SW846 8260

35	11.817	1622	1626	1629	rBV5	5652	10926	2.96%	0.337%
36	11.878	1632	1636	1640	rBV5	9686	15986	4.33%	0.493%
37	11.975	1648	1652	1657	rVB6	3048	4350	1.18%	0.134%
38	12.042	1657	1663	1668	rBV3	5805	11832	3.21%	0.365%
39	12.140	1673	1679	1687	rBV4	15514	44273	12.00%	1.365%
40	12.310	1701	1707	1708	rBV3	5995	9651	2.62%	0.298%
41	12.347	1708	1713	1717	rVV3	21445	43048	11.67%	1.327%
42	12.390	1717	1720	1724	rVB	7851	13070	3.54%	0.403%
43	12.469	1729	1733	1739	rVB	11381	19198	5.20%	0.592%
44	12.621	1752	1758	1766	rBV2	104800	176918	47.97%	5.454%
45	12.701	1766	1771	1777	rVV3	7836	15093	4.09%	0.465%
46	12.786	1780	1785	1793	rVB3	18240	42259	11.46%	1.303%
47	12.871	1793	1799	1803	rBV8	6442	15478	4.20%	0.477%
48	12.950	1805	1812	1818	rVV6	11615	26231	7.11%	0.809%
49	13.085	1829	1834	1844	rBV8	7697	17130	4.64%	0.528%
50	13.182	1844	1850	1859	rVB8	9135	29791	8.08%	0.918%
51	13.261	1859	1863	1867	rBV4	7149	13041	3.54%	0.402%
52	13.389	1878	1884	1888	rBV3	9068	17559	4.76%	0.541%
53	13.450	1889	1894	1898	rVB5	6564	13164	3.57%	0.406%
54	13.566	1907	1913	1921	rVB	82441	141446	38.35%	4.361%
55	13.725	1932	1939	1943	rBV4	8647	18369	4.98%	0.566%
56	13.804	1948	1952	1954	rBV3	4024	6172	1.67%	0.190%
57	13.883	1960	1965	1971	rBV3	22182	39440	10.69%	1.216%
58	13.993	1979	1983	1984	rBV4	3376	4271	1.16%	0.132%
59	14.103	1994	2001	2009	rVB3	26175	48114	13.04%	1.483%
60	14.164	2009	2011	2014	rBV4	2965	4135	1.12%	0.127%
61	14.212	2014	2019	2025	rVB2	25492	43641	11.83%	1.345%
62	14.267	2025	2028	2036	rVB8	7124	17339	4.70%	0.535%
63	14.347	2036	2041	2045	rBV4	6984	12508	3.39%	0.386%
64	14.395	2045	2049	2051	rBV5	8856	14091	3.82%	0.434%
65	14.426	2051	2054	2059	rVB3	14989	23592	6.40%	0.727%
66	14.511	2064	2068	2070	rBV3	5934	9414	2.55%	0.290%
67	14.548	2071	2074	2082	rVB9	7581	15065	4.08%	0.464%
68	14.706	2096	2100	2103	rBV4	6022	10678	2.89%	0.329%
69	14.743	2103	2106	2111	rVB7	6592	9560	2.59%	0.295%
70	14.804	2111	2116	2123	rBV4	18574	45102	12.23%	1.390%
71	14.865	2123	2126	2132	rVB4	5064	8807	2.39%	0.272%

LSC Area Percent Report

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Misc : 4.87G/5ML/MSVOA_W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-101818-A

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Title : SW846 8260

72	14.975	2140	2144	2147	rBV6	4172	7617	2.07%	0.235%
73	15.072	2156	2160	2164	rBV5	12190	19872	5.39%	0.613%
74	15.188	2174	2179	2184	rVB5	10097	19954	5.41%	0.615%
75	15.255	2186	2190	2198	rVB6	15369	27742	7.52%	0.855%
76	15.346	2198	2205	2212	rVB6	6040	17432	4.73%	0.537%
77	15.426	2212	2218	2220	rBV7	6665	14386	3.90%	0.443%
78	15.578	2239	2243	2250	rVB5	8562	17055	4.62%	0.526%
79	15.749	2266	2271	2278	rVB6	18822	38854	10.53%	1.198%

Sum of corrected areas: 3243766

LSC Report - Integrated Chromatogram

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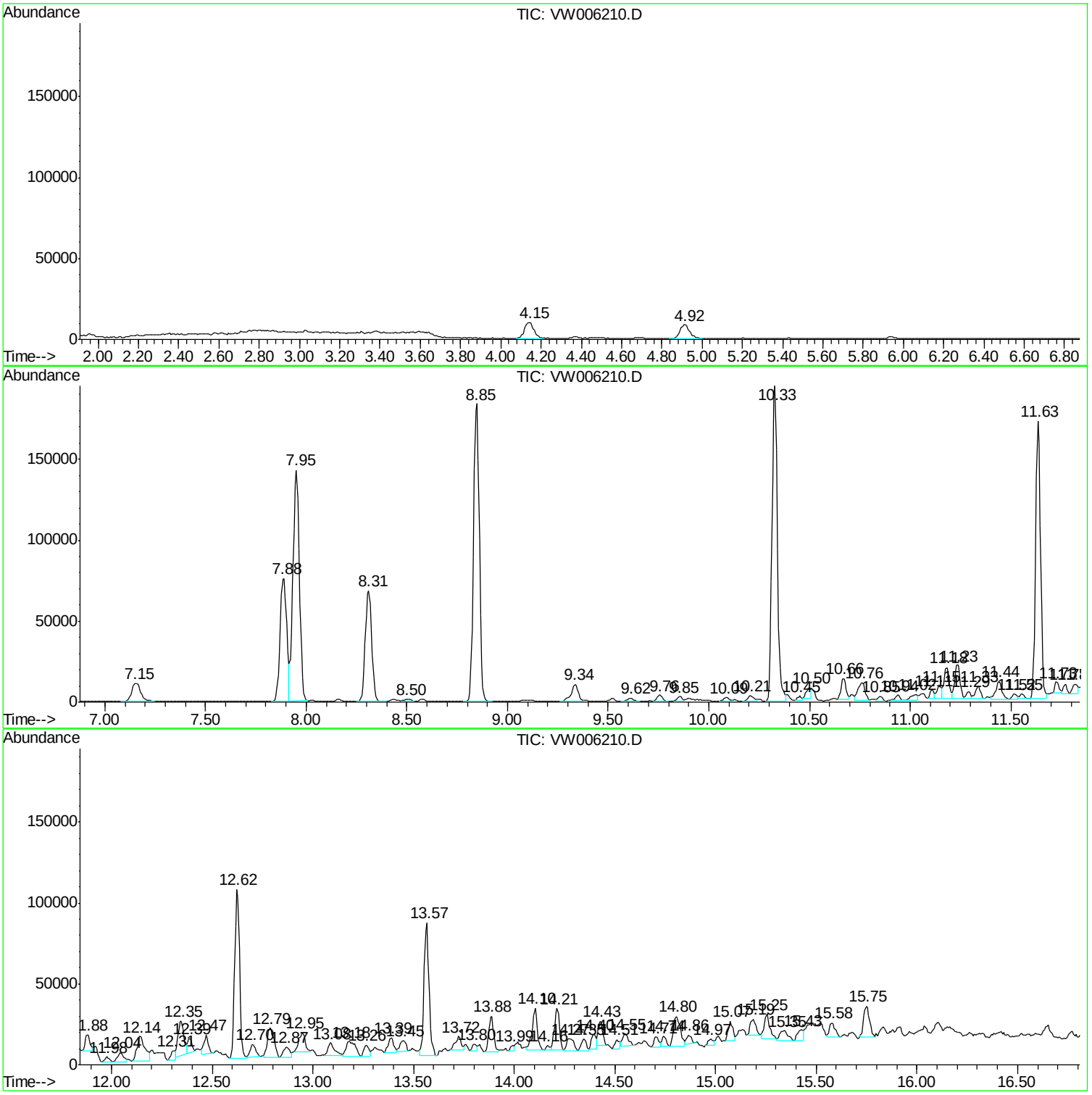
Misc : 4.87G/5ML/MSVOA_W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-101818-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
Data File : VW006210.D
Acq On : 19 Oct 2018 08:13
Operator : VA/AP
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ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-101818-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260

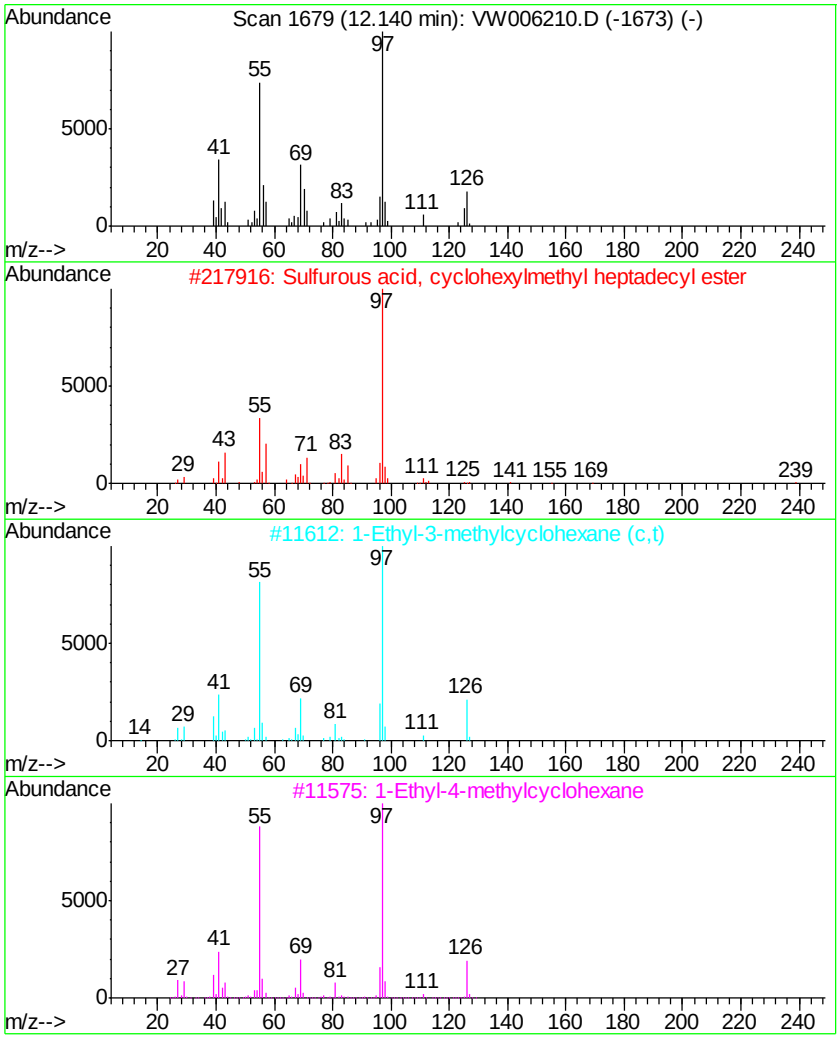
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

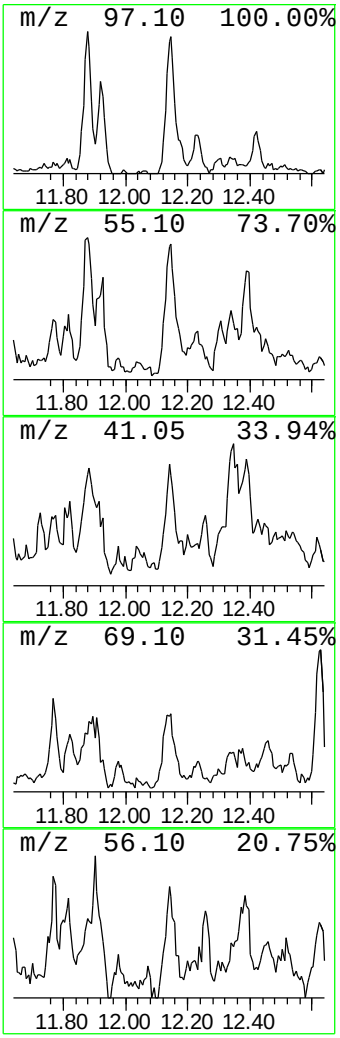
****

Peak Number 1 Sulfurous acid, cyclohexylm... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	7.61 ug/l	44273	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	64
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	62
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	62
4	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	58
5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	58





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Operator : VA/AP
Sample : J5195-03
Misc : 4.87G/5ML/MSVOA_W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-101818-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260

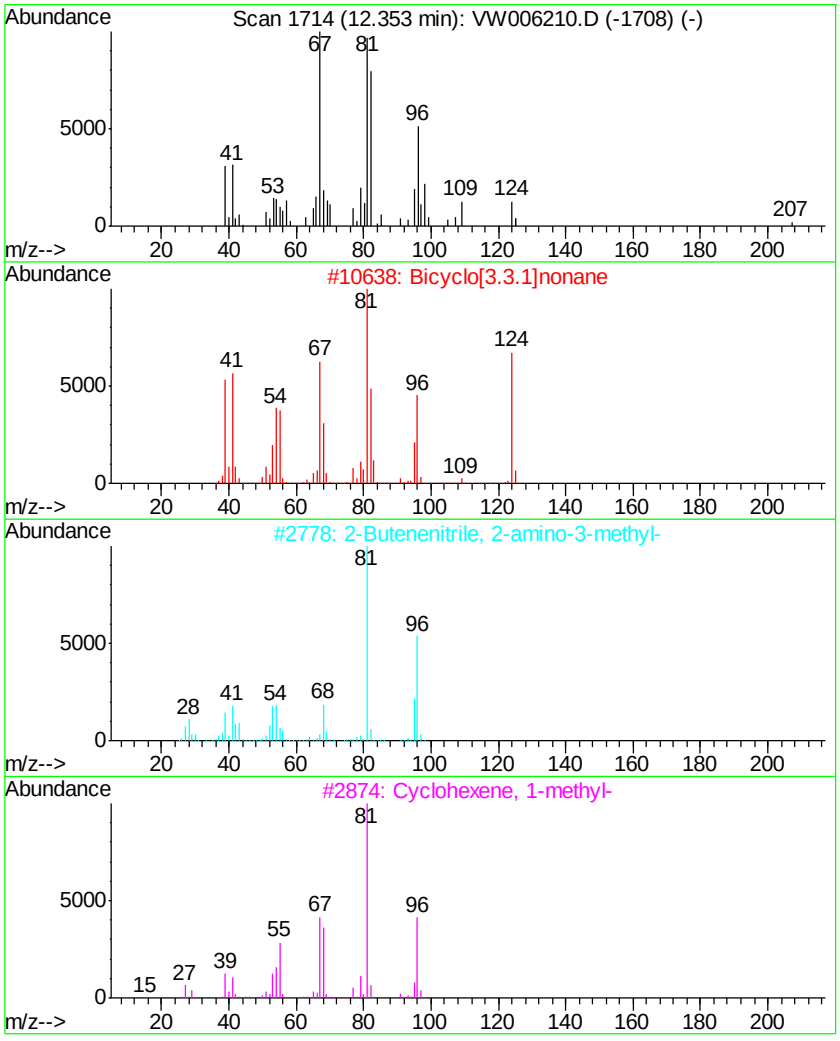
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

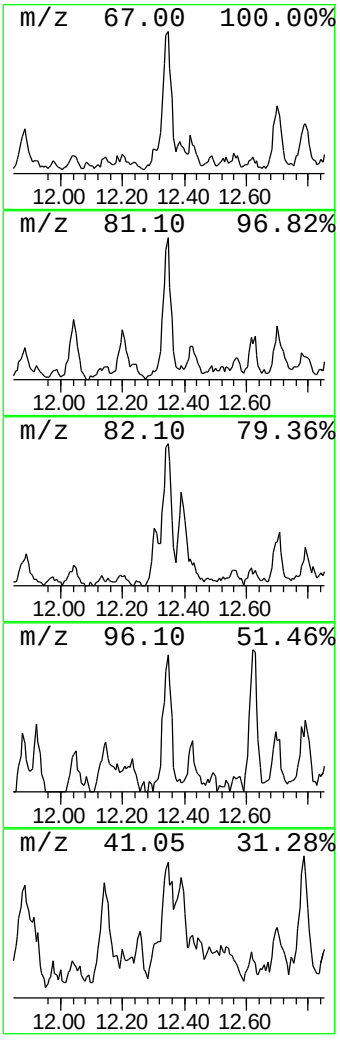
****

Peak Number 2 Bicyclo[3.3.1]nonane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	7.40 ug/l	43048	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	64
2	2-Butenenitrile, 2-amino-3-methyl-	96	C5H8N2	1000196-28-0	50
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	49
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	46
5	1-Ethylcyclopentene	96	C7H12	002146-38-5	43





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ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-101818-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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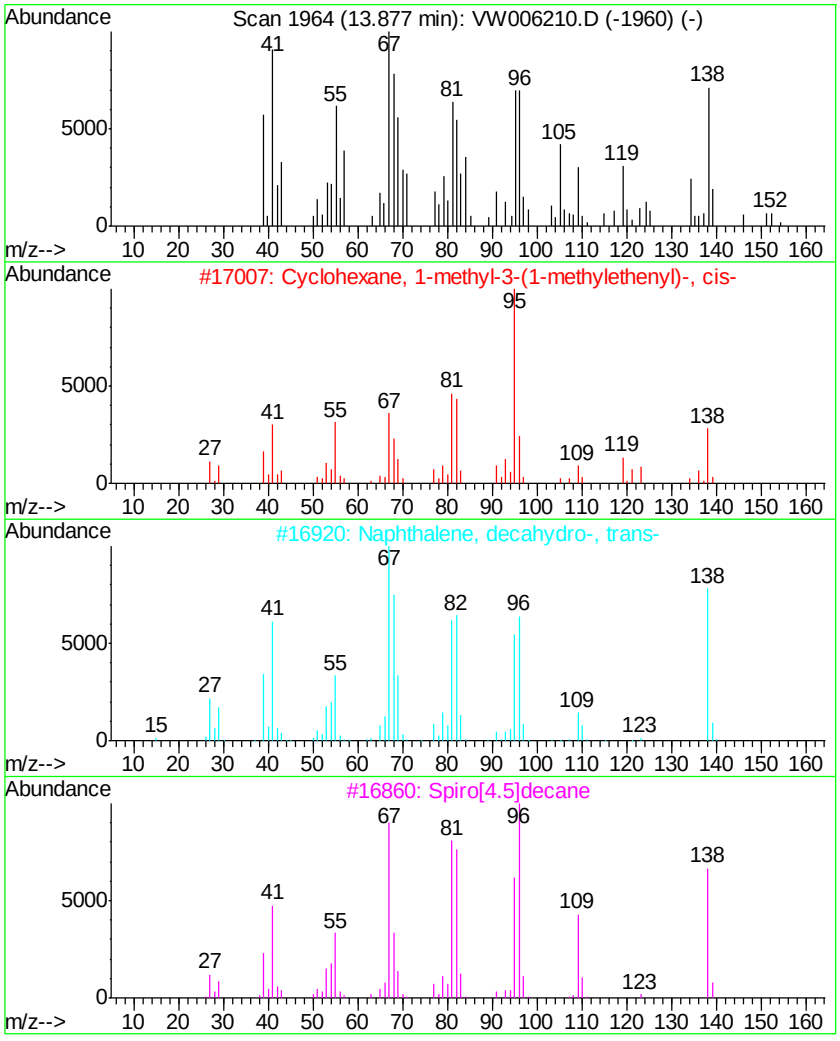
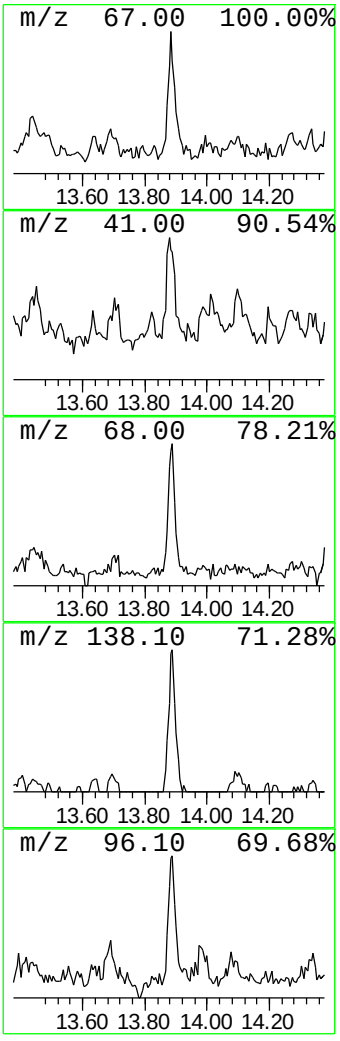
****

Peak Number 3 Cyclohexane, 1-methyl-3-(1-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	13.94 ug/l	39440	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	024399-15-3	93
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	81
3	Spiro[4.5]decane	138	C10H18	000176-63-6	76
4	Naphthalene, decahydro-	138	C10H18	000091-17-8	70
5	Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	013828-34-7	64





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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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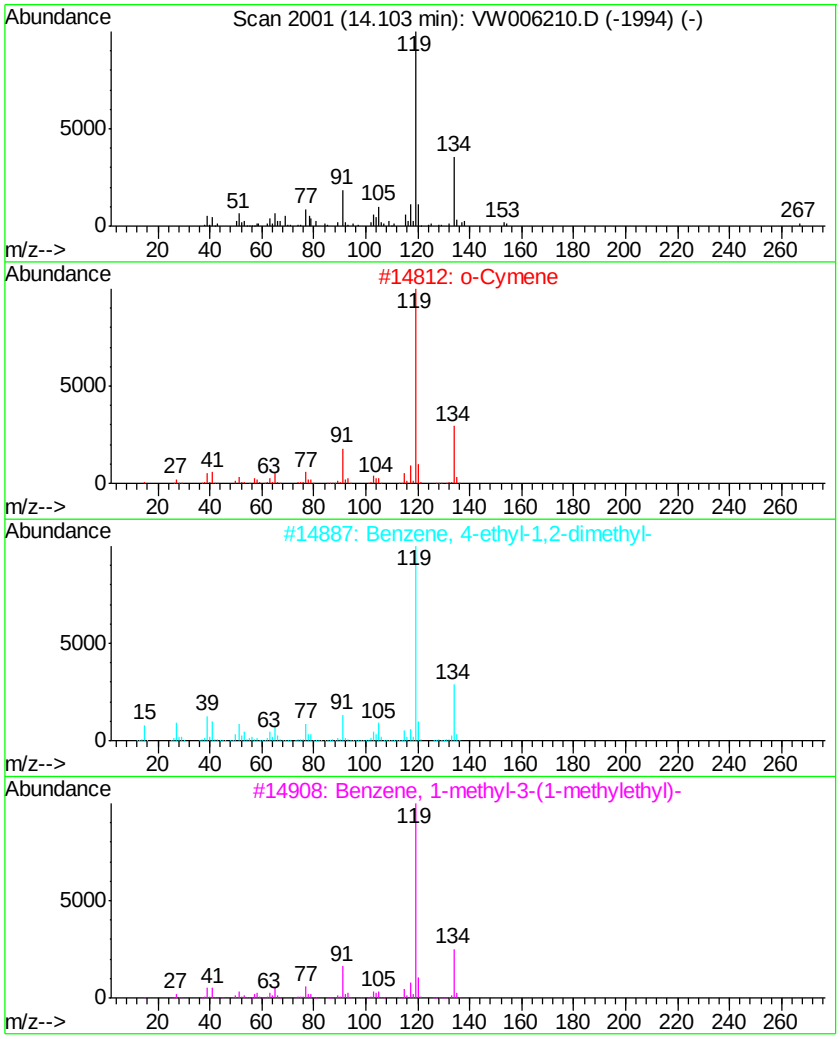
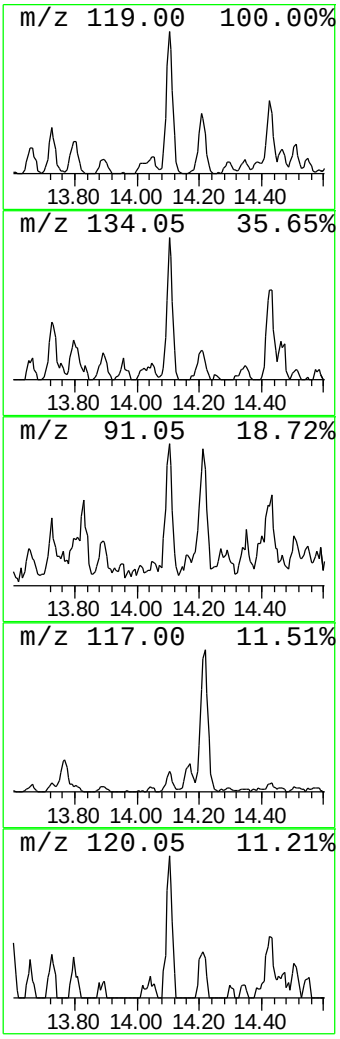
Peak Number 4 o-Cymene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	17.01 ug/l	48114	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93





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ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-101818-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260

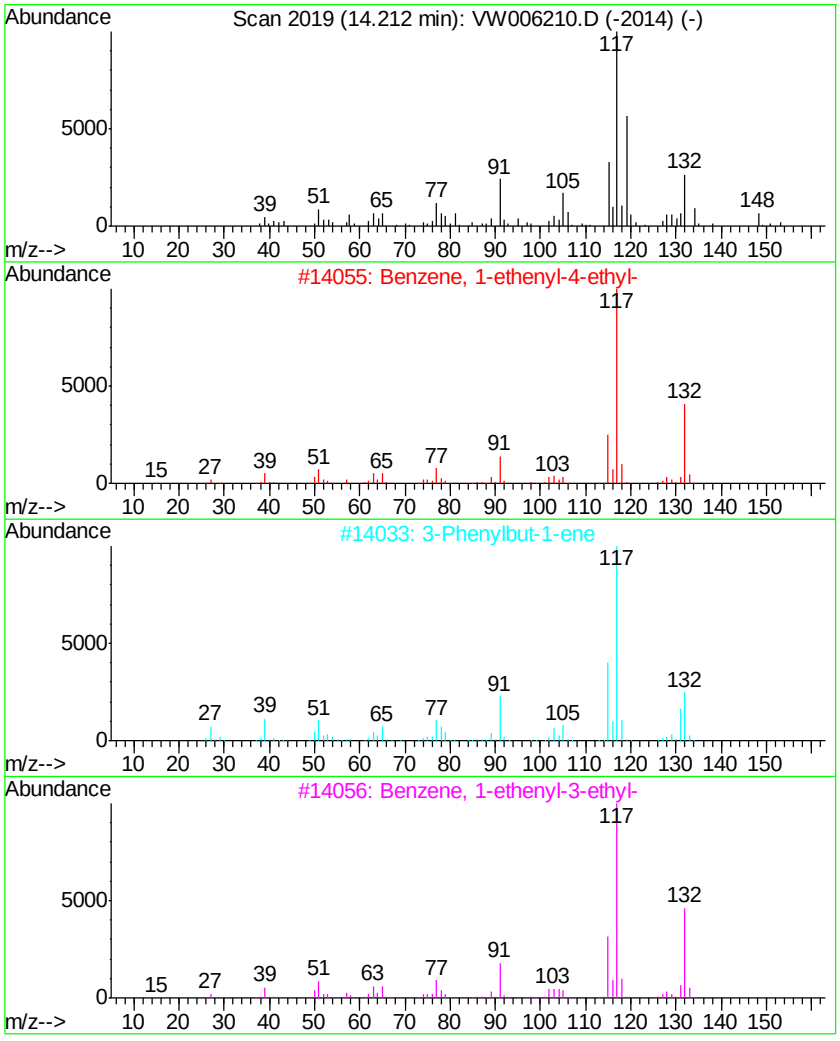
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

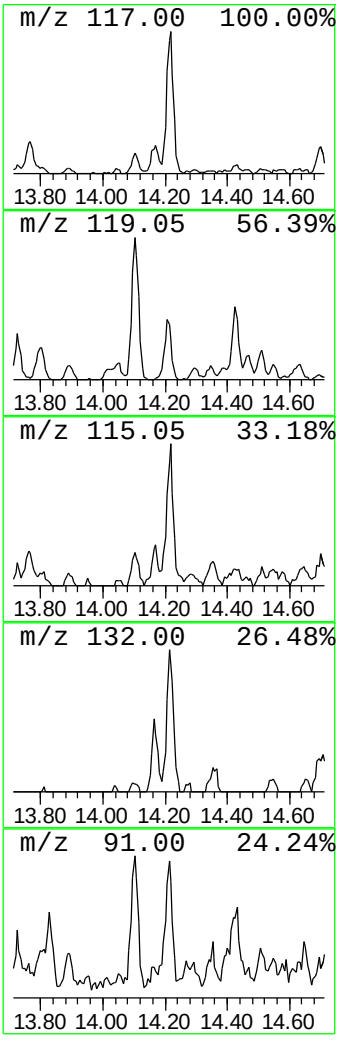
****

Peak Number 5 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	15.43 ug/l	43641	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	64
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	62
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	62
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	60





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ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-101818-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260

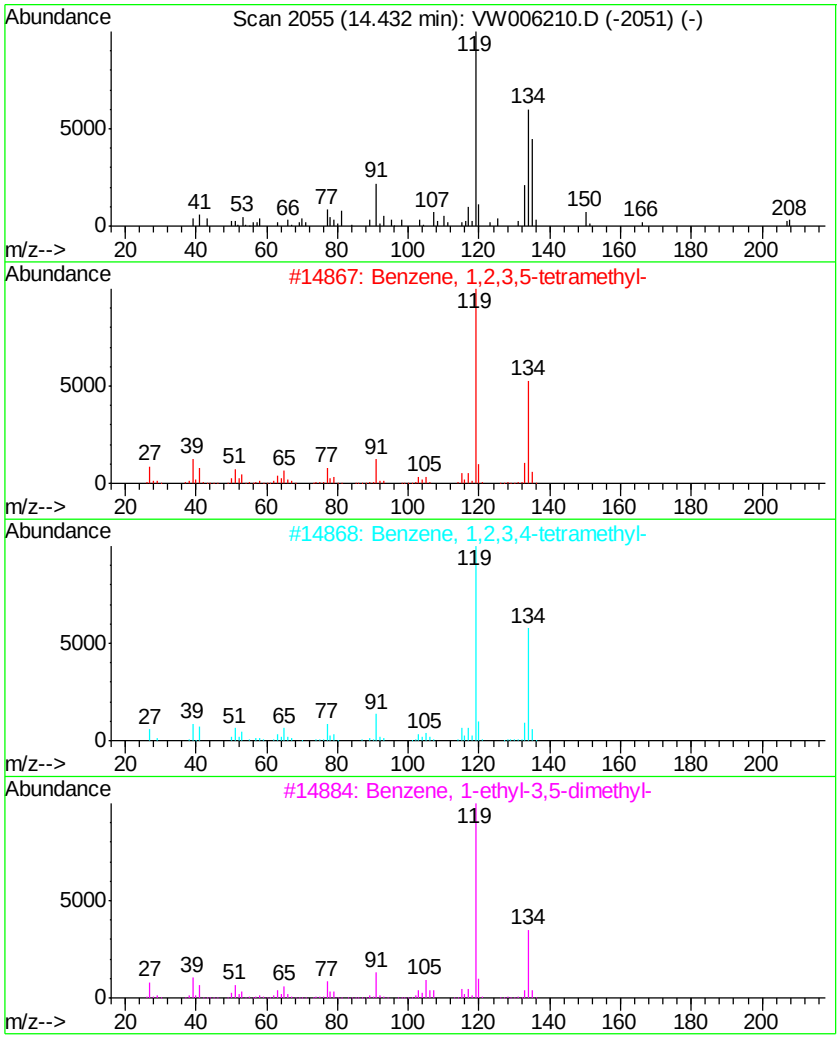
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

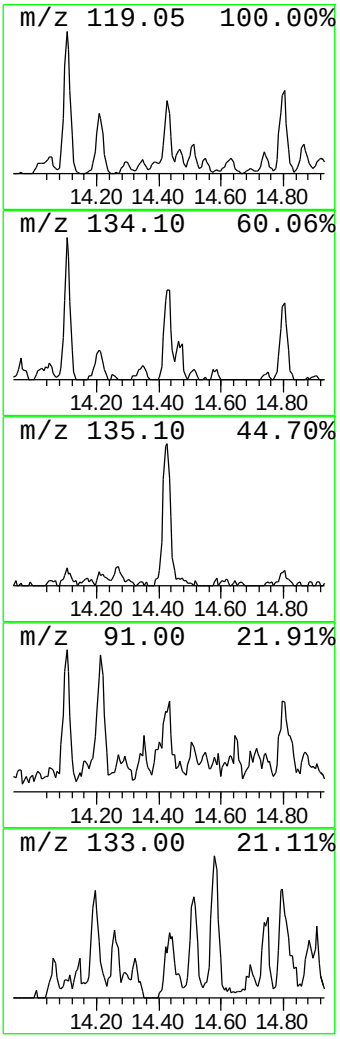
****

Peak Number 6 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	8.34 ug/l	23592	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	62
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	62
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	62
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
Data File : VW006210.D
Acq On : 19 Oct 2018 08:13
Operator : VA/AP
Sample : J5195-03
Misc : 4.87G/5ML/MSVOA_W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-101818-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260

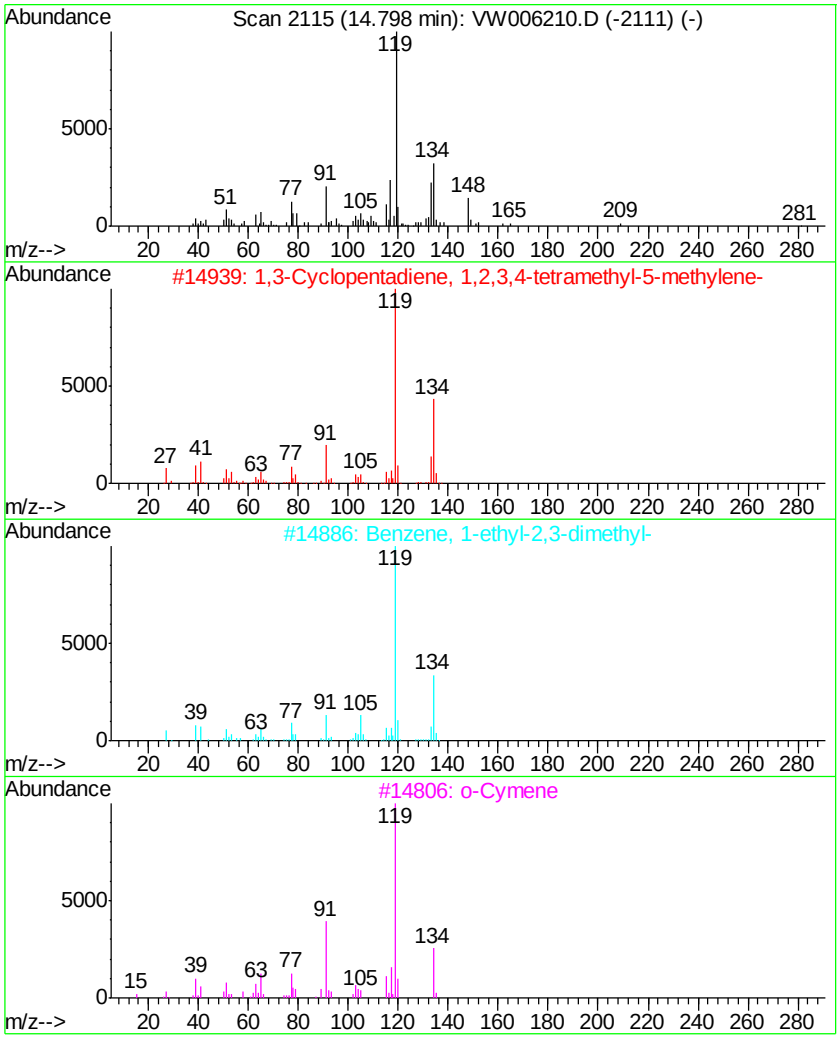
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

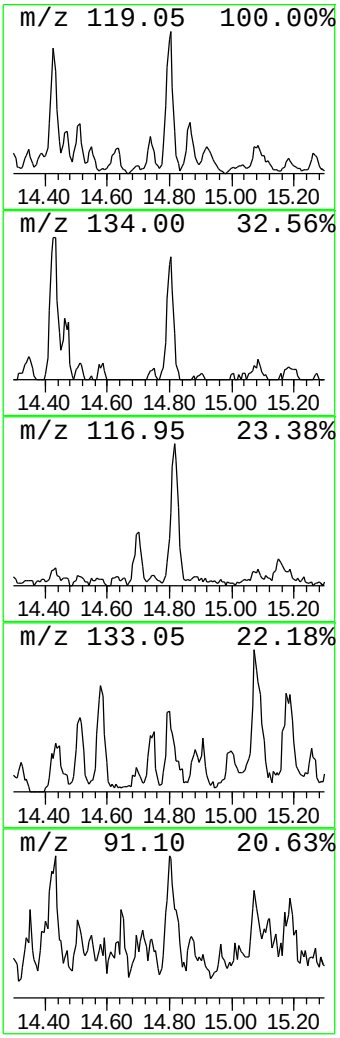
****

Peak Number 7 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	15.94 ug/l	45102	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	76
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	76
3	o-Cymene	134	C10H14	000527-84-4	76
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	76
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
Data File : VW006210.D
Acq On : 19 Oct 2018 08:13
Operator : VA/AP
Sample : J5195-03
Misc : 4.87G/5ML/MSVOA_W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-101818-A

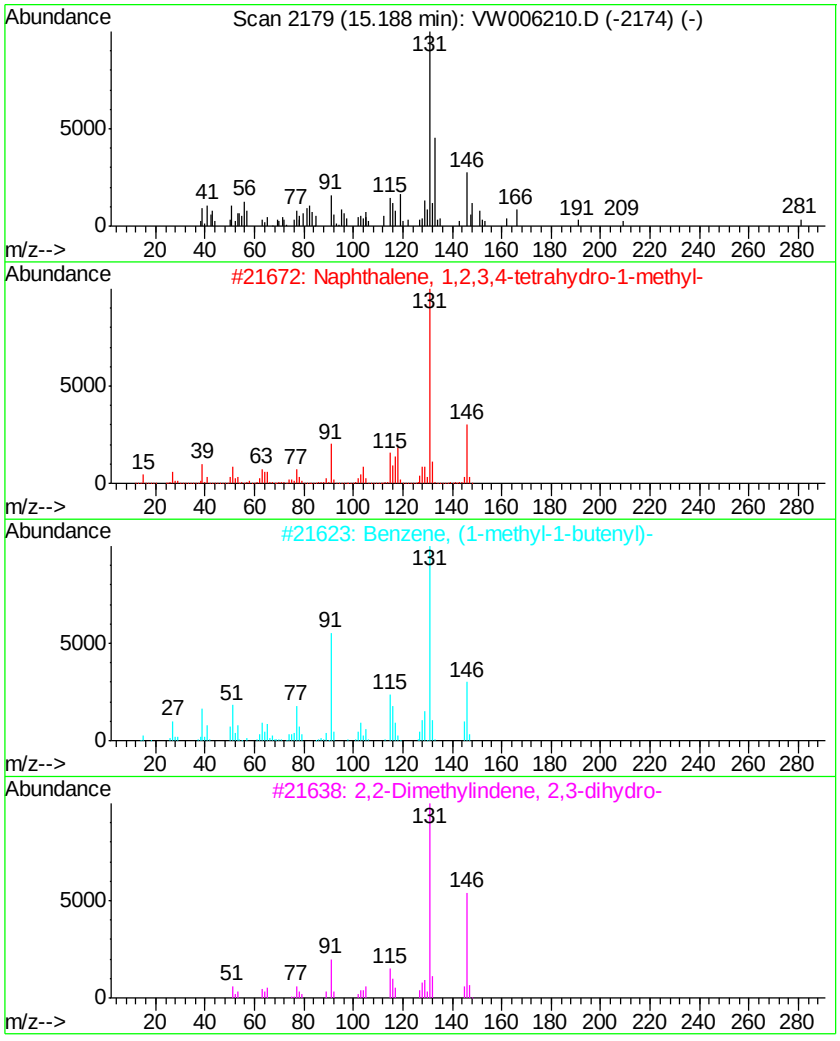
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260

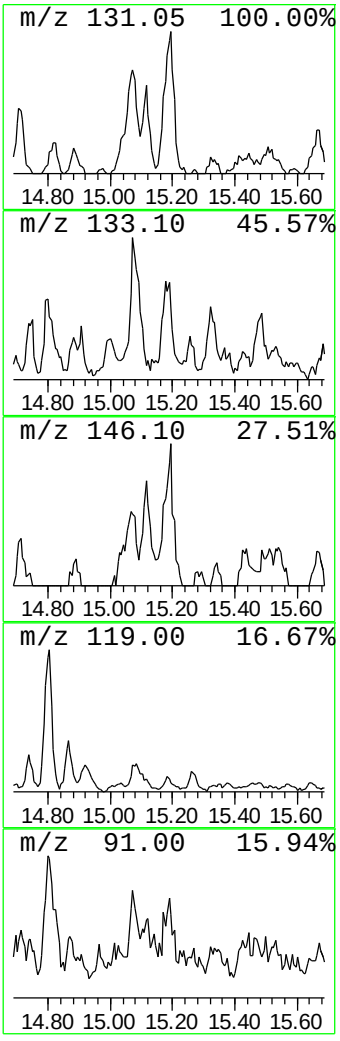
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	7.05 ug/l	19954	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	64
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
Data File : VW006210.D
Acq On : 19 Oct 2018 08:13
Operator : VA/AP
Sample : J5195-03
Misc : 4.87G/5ML/MSVOA_W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-101818-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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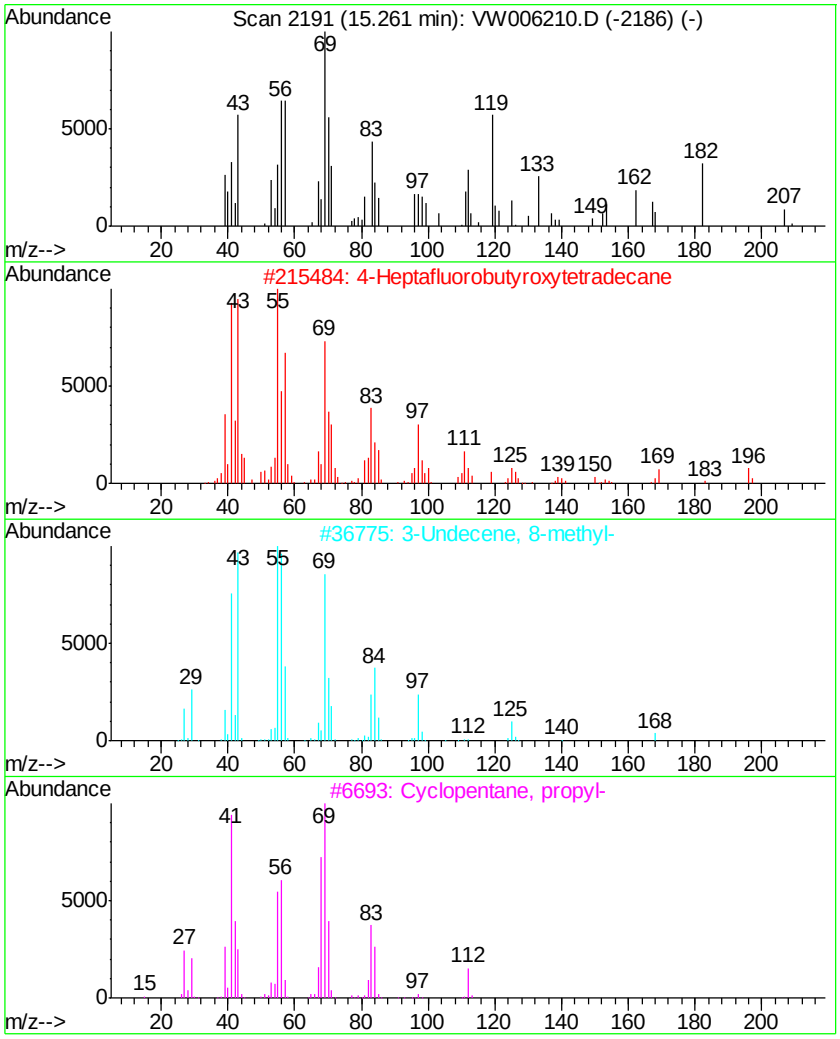
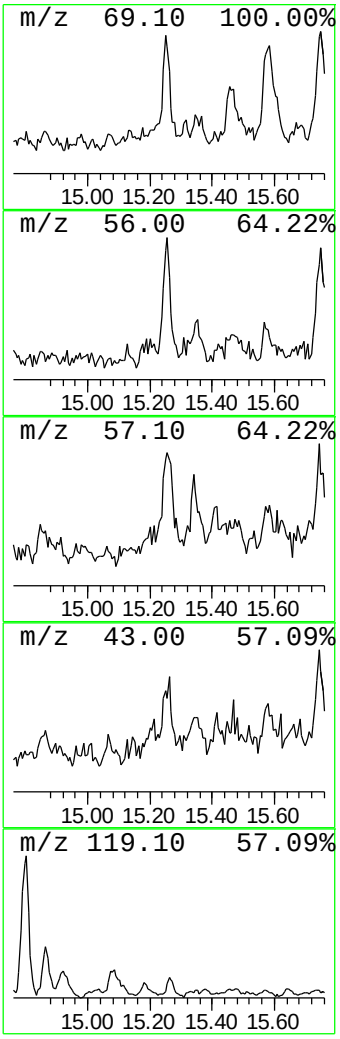
Peak Number 9 4-Heptafluorobutyroxytetrad... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	9.81 ug/l	27742	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptafluorobutyroxytetradecane	410	C18H29F7O2	1000245-49-9	72
2	3-Undecene, 8-methyl-	168	C12H24	1000061-84-4	70
3	Cyclopentane, propyl-	112	C8H16	002040-96-2	64
4	Cyclooctane, methyl-	126	C9H18	001502-38-1	64
5	6-Tridecene, (E)-	182	C13H26	006434-76-0	62





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Data File : VW006210.D
Acq On : 19 Oct 2018 08:13
Operator : VA/AP
Sample : J5195-03
Misc : 4.87G/5ML/MSVOA_W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-101818-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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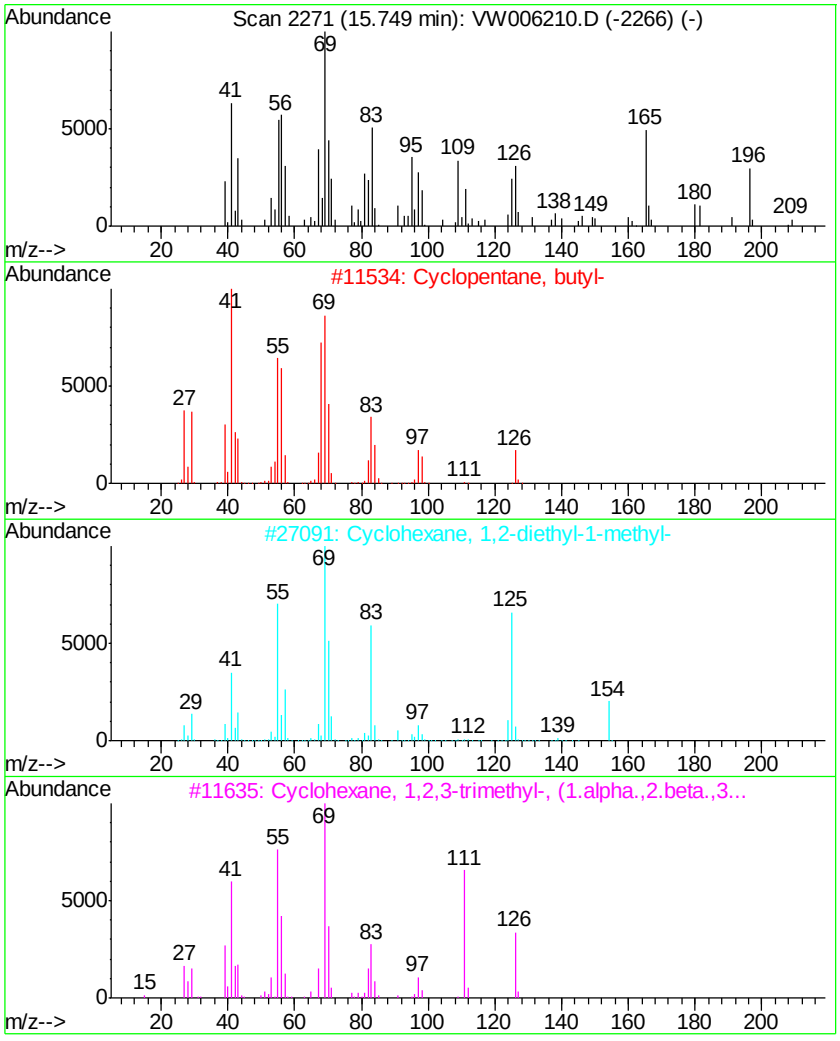
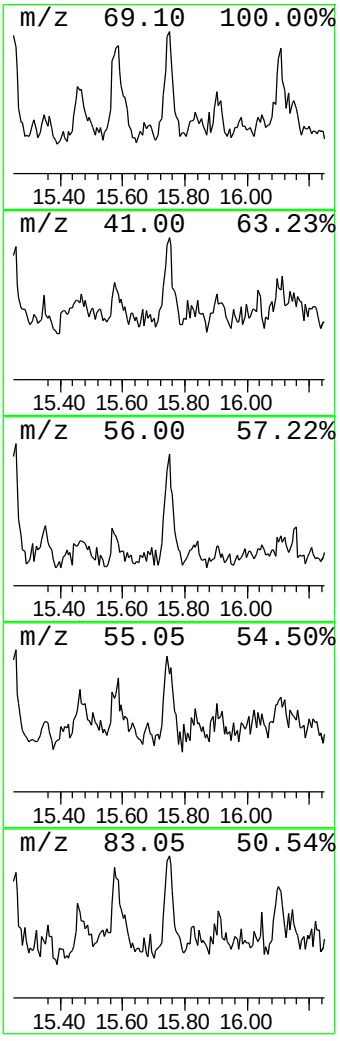
Peak Number 10 Cyclopentane, butyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	13.73 ug/l	38854	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, butyl-	126	C9H18	002040-95-1	53
2	Cyclohexane, 1,2-diethyl-1-methyl-	154	C11H22	061141-79-5	43
3	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	38
4	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	38
5	7-Tetradecene	196	C14H28	010374-74-0	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
Data File : VW006210.D
Acq On : 19 Oct 2018 08:13
Operator : VA/AP
Sample : J5195-03
Misc : 4.87G/5ML/MSVOA_W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JC-02-101818-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfurous acid, c...	12.14	7.6	ug/l	44273	3	11.63	291052	50.0
Bicyclo[3.3.1]nonane	12.35	7.4	ug/l	43048	3	11.63	291052	50.0
Cyclohexane, 1-me...	13.88	13.9	ug/l	39440	4	13.57	141446	50.0
o-Cymene	14.10	17.0	ug/l	48114	4	13.57	141446	50.0
Benzene, 1-etheny...	14.21	15.4	ug/l	43641	4	13.57	141446	50.0
Benzene, 1,2,3,5-...	14.43	8.3	ug/l	23592	4	13.57	141446	50.0
1,3-Cyclopentadie...	14.80	15.9	ug/l	45102	4	13.57	141446	50.0
Naphthalene, 1,2,...	15.19	7.0	ug/l	19954	4	13.57	141446	50.0
4-Heptafluorobuty...	15.26	9.8	ug/l	27742	4	13.57	141446	50.0
Cyclopentane, butyl-	15.75	13.7	ug/l	38854	4	13.57	141446	50.0