LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040619\
Data File : VW009752.D
Acq On : 06 Apr 2019 02:57
Operator : SY/VA
Sample : K2188-03RE
Misc : 2.55G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF650RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\SOM2WLM040319S.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.952	6	8	9	rBV2	4117	3614	0.19%	0.028%
2	1.995	11	15	28	rVB	23168	57049	2.95%	0.444%
3	2.153	36	41	48	rBV3	16779	41445	2.14%	0.323%
4	2.355	68	74	87	rBV	118189	257661	13.31%	2.007%
5	2.891	155	162	179	rVB	98798	279121	14.42%	2.175%
6	3.842	316	318	323	rBV6	1995	2470	0.13%	0.019%
7	4.013	335	346	359	rBV2	204423	705889	36.47%	5.500%
8	4.373	394	405	418	rVV2	36145	124090	6.41%	0.967%
9	4.482	422	423	430	rBV6	1031	1558	0.08%	0.012%
10	4.677	452	455	457	rBV3	1152	1590	0.08%	0.012%
11	4.720	460	462	467	rBV3	870	1611	0.08%	0.013%
12	4.909	478	493	508	rBV2	42112	169091	8.74%	1.317%
13	5.129	526	529	531	rVV3	1148	1461	0.08%	0.011%
14	5.452	580	582	585	rVB4	1056	1333	0.07%	0.010%
15	5.781	628	636	640	rBV5	2855	7381	0.38%	0.058%
16	5.927	649	660	671	rBV4	9111	29237	1.51%	0.228%
17	6.275	714	717	723	rBV5	1244	2428	0.13%	0.019%
18	6.616	768	773	776	rBV6	1004	1742	0.09%	0.014%
19	6.878	814	816	819	rBV3	1056	1477	0.08%	0.012%
20	6.982	828	833	835	rBV4	1654	2113	0.11%	0.016%
21	7.079	838	849	857	rBV	56590	163876	8.47%	1.277%
22	7.512	916	920	921	rVV2	1827	2347	0.12%	0.018%
23	7.537	921	924	931	rVV6	3359	6227	0.32%	0.049%
24	7.640	931	941	955	rVB	352450	845770	43.69%	6.589%
25	7.744	955	958	962	rBV5	966	1380	0.07%	0.011%
26	7.921	983	987	988	rVB3	1059	1242	0.06%	0.010%
27	8.152	1021	1025	1032	rVB9	1616	3621	0.19%	0.028%
28	8.274	1034	1045	1061	rBV2	640512	1935679	100.00%	15.081%
29	8.390	1061	1064	1068	rVB5	2035	2850	0.15%	0.022%
30	8.555	1083	1091	1099	rBV5	8909	21382	1.10%	0.167%
31	8.695	1106	1114	1124	rVB5	6774	20196	1.04%	0.157%
32	8.841	1128	1138	1148	rBV	545421	1078360	55.71%	8.402%
33	9.036	1163	1170	1171	rVV5	5392	9076	0.47%	0.071%
34	9.073	1173	1176	1183	rVV5	11186	23971	1.24%	0.187%

LSC Area Percent Report

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Sample : K2188-03RE
Misc : 2.55G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF650RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\SOM2WLM040319S.M
Title : VOC Analysis

35	9.140	1183	1187	1195	rVB7	5656	11176	0.58%	0.087%
36	9.274	1199	1209	1224	rBV	425804	882098	45.57%	6.872%
37	9.658	1267	1272	1281	rBV8	2617	6268	0.32%	0.049%
38	9.847	1299	1303	1307	rBV5	5166	8771	0.45%	0.068%
39	9.957	1318	1321	1325	rVB4	2588	3904	0.20%	0.030%
40	10.030	1326	1333	1340	rBV	59891	113290	5.85%	0.883%
41	10.091	1340	1343	1346	rBV5	2739	3382	0.17%	0.026%
42	10.213	1360	1363	1366	rVB4	1645	2117	0.11%	0.016%
43	10.323	1373	1381	1387	rBV	763909	1331017	68.76%	10.370%
44	10.384	1387	1391	1402	rVV	77348	146181	7.55%	1.139%
45	10.493	1403	1409	1416	rVB3	22279	48323	2.50%	0.376%
46	10.579	1416	1423	1428	rBV	48029	82693	4.27%	0.644%
47	10.646	1429	1434	1438	rVB3	14823	25129	1.30%	0.196%
48	10.707	1440	1444	1447	rVV4	4082	7311	0.38%	0.057%
49	10.731	1447	1448	1454	rVB5	2837	3298	0.17%	0.026%
50	10.859	1459	1469	1474	rBV6	16762	33711	1.74%	0.263%
51	10.926	1474	1480	1489	rBV	196824	342970	17.72%	2.672%
52	11.079	1500	1505	1508	rVB7	3084	5765	0.30%	0.045%
53	11.182	1520	1522	1526	rVB5	1025	1302	0.07%	0.010%
54	11.298	1539	1541	1545	rVV4	1245	1714	0.09%	0.013%
55	11.414	1554	1560	1565	rVB5	13142	23632	1.22%	0.184%
56	11.475	1568	1570	1573	rVV5	3307	3280	0.17%	0.026%
57	11.542	1577	1581	1584	rVV6	4693	8863	0.46%	0.069%
58	11.633	1588	1596	1605	rVV	563567	991112	51.20%	7.722%
59	11.731	1606	1612	1618	rVV	113784	192750	9.96%	1.502%
60	11.841	1620	1630	1642	rVV2	109485	231773	11.97%	1.806%
61	11.932	1642	1645	1646	rVV3	3130	3503	0.18%	0.027%
62	11.975	1647	1652	1657	rVV5	15095	29571	1.53%	0.230%
63	12.072	1663	1668	1671	rVV3	14941	27201	1.41%	0.212%
64	12.115	1671	1675	1679	rVV2	32387	57189	2.95%	0.446%
65	12.170	1679	1684	1689	rVV	28705	47688	2.46%	0.372%
66	12.255	1694	1698	1705	rVB8	1303	3460	0.18%	0.027%
67	12.341	1707	1712	1726	rVB8	7638	20232	1.05%	0.158%
68	12.463	1726	1732	1738	rBV10	4518	9665	0.50%	0.075%
69	12.572	1744	1750	1754	rBV	52953	79619	4.11%	0.620%
70	12.652	1759	1763	1765	rBV2	36794	51662	2.67%	0.402%
71	12.694	1765	1770	1784	rVB	210196	371161	19.17%	2.892%

LSC Area Percent Report

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Misc : 2.55G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF650RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\SOM2WLM040319S.M
Title : VOC Analysis

72	12.810	1784	1789	1794	rBV3	6768	13751	0.71%	0.107%
73	12.871	1794	1799	1801	rBV4	21781	35757	1.85%	0.279%
74	13.030	1817	1825	1832	rVB2	24071	54305	2.81%	0.423%
75	13.127	1833	1841	1848	rVV2	66353	120843	6.24%	0.941%
76	13.194	1848	1852	1855	rVV5	6390	10851	0.56%	0.085%
77	13.255	1856	1862	1874	rVB2	27684	57829	2.99%	0.451%
78	13.383	1879	1883	1885	rBV4	4186	6830	0.35%	0.053%
79	13.450	1889	1894	1898	rBV2	25025	41232	2.13%	0.321%
80	13.499	1898	1902	1906	rVB	22124	27946	1.44%	0.218%
81	13.560	1906	1912	1920	rBV	300517	492118	25.42%	3.834%
82	13.718	1934	1938	1940	rBV5	3047	4883	0.25%	0.038%
83	13.761	1940	1945	1953	rVV2	41130	80421	4.15%	0.627%
84	13.859	1954	1961	1973	rVB	255532	454806	23.50%	3.543%
85	13.981	1973	1981	1984	rBV8	20324	40509	2.09%	0.316%
86	14.017	1984	1987	1991	rVB6	12707	17404	0.90%	0.136%
87	14.212	2014	2019	2032	rVB2	20014	56427	2.92%	0.440%
88	14.334	2034	2039	2046	rVB8	12043	21492	1.11%	0.167%
89	14.438	2050	2056	2063	rBV2	28953	62679	3.24%	0.488%
90	14.554	2070	2075	2081	rVB10	5387	13250	0.68%	0.103%
91	14.694	2093	2098	2102	rBV7	12054	19542	1.01%	0.152%
92	14.810	2110	2117	2122	rBV7	13282	28920	1.49%	0.225%
93	14.865	2122	2126	2133	rVB4	21755	35890	1.85%	0.280%
94	14.956	2139	2141	2142	rBV2	2853	1933	0.10%	0.015%
95	15.072	2155	2160	2165	rVB6	23689	42342	2.19%	0.330%
96	15.236	2182	2187	2194	rVB5	26666	46020	2.38%	0.359%
97	15.322	2199	2201	2202	rBV2	2970	2154	0.11%	0.017%
98	15.444	2218	2221	2226	rVB3	11664	14739	0.76%	0.115%
99	15.663	2254	2257	2261	rVB6	3662	4757	0.25%	0.037%
100	15.956	2302	2305	2309	rBV5	2871	4533	0.23%	0.035%

Sum of corrected areas: 12835282

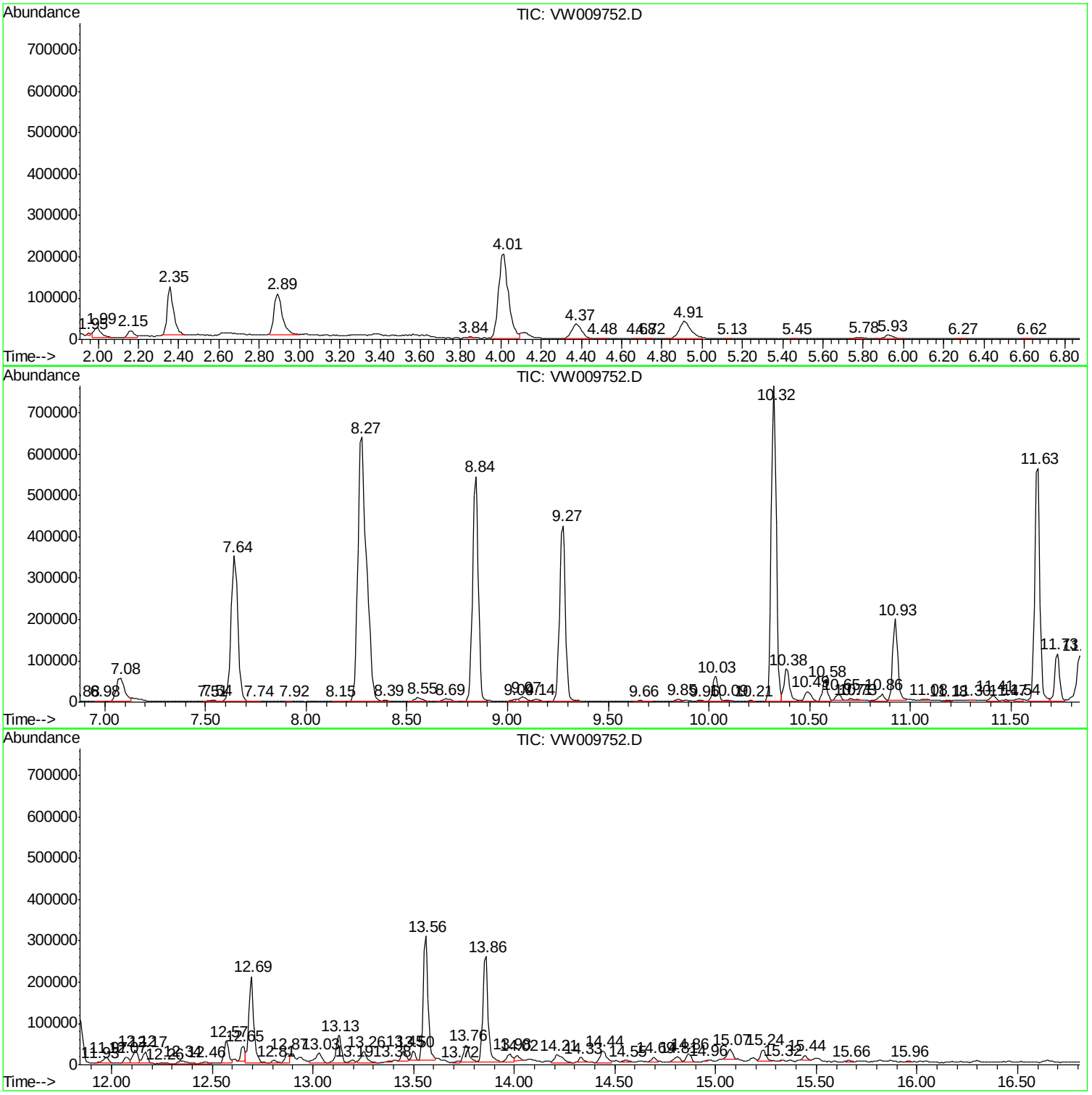
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
Data File : VW009752.D
Acq On : 06 Apr 2019 02:57
Operator : SY/VA
Sample : K2188-03RE
Misc : 2.55G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF650RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
Data File : VW009752.D
Acq On : 06 Apr 2019 02:57
Operator : SY/VA
Sample : K2188-03RE
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF650RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

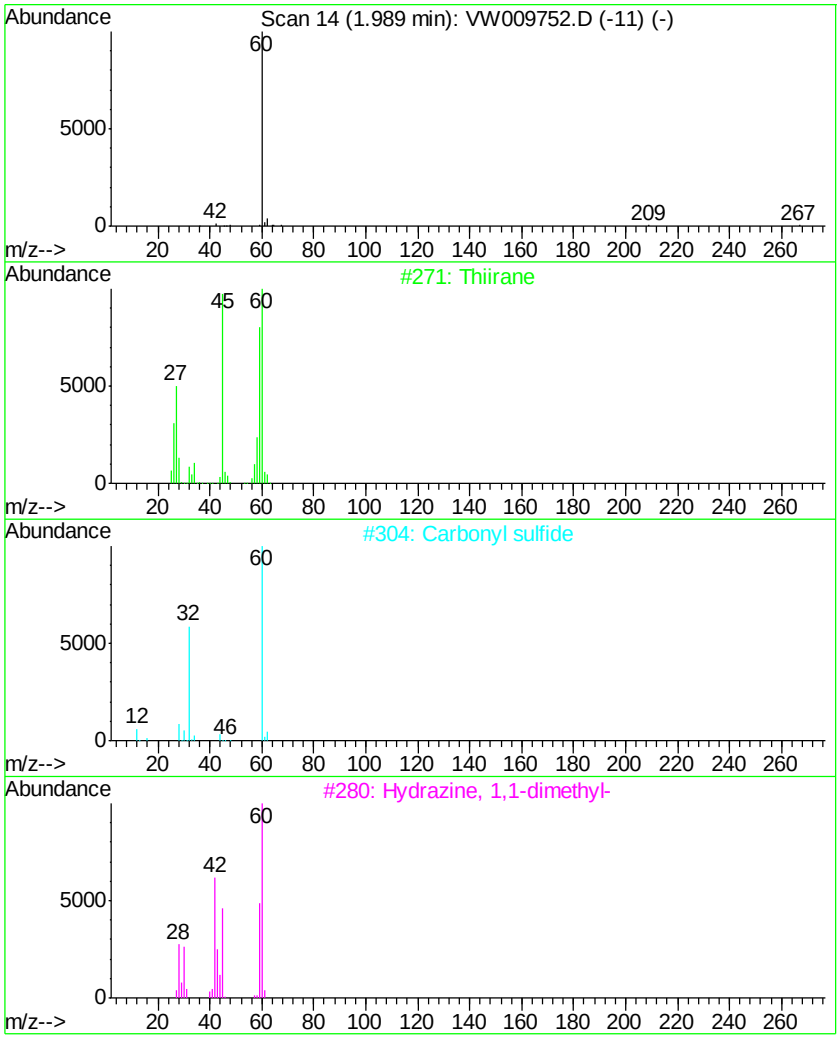
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

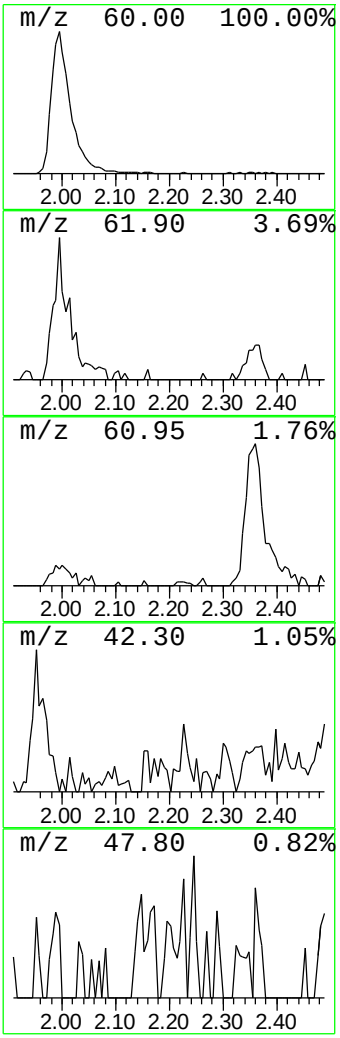
****

Peak Number 1 Carbonyl sulfide Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.99	1.32 ug/L	57049	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiirane	60	C2H4S	000420-12-2	7
2	Carbonyl sulfide	60	COS	000463-58-1	5
3	Hydrazine, 1,1-dimethyl-	60	C2H8N2	000057-14-7	5
4	Ethyne, chloro-	60	C2HCl	000593-63-5	4
5	Carbonyl sulfide	60	COS	000463-58-1	4





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
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Acq On : 06 Apr 2019 02:57
Operator : SY/VA
Sample : K2188-03RE
Misc : 2.55G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF650RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

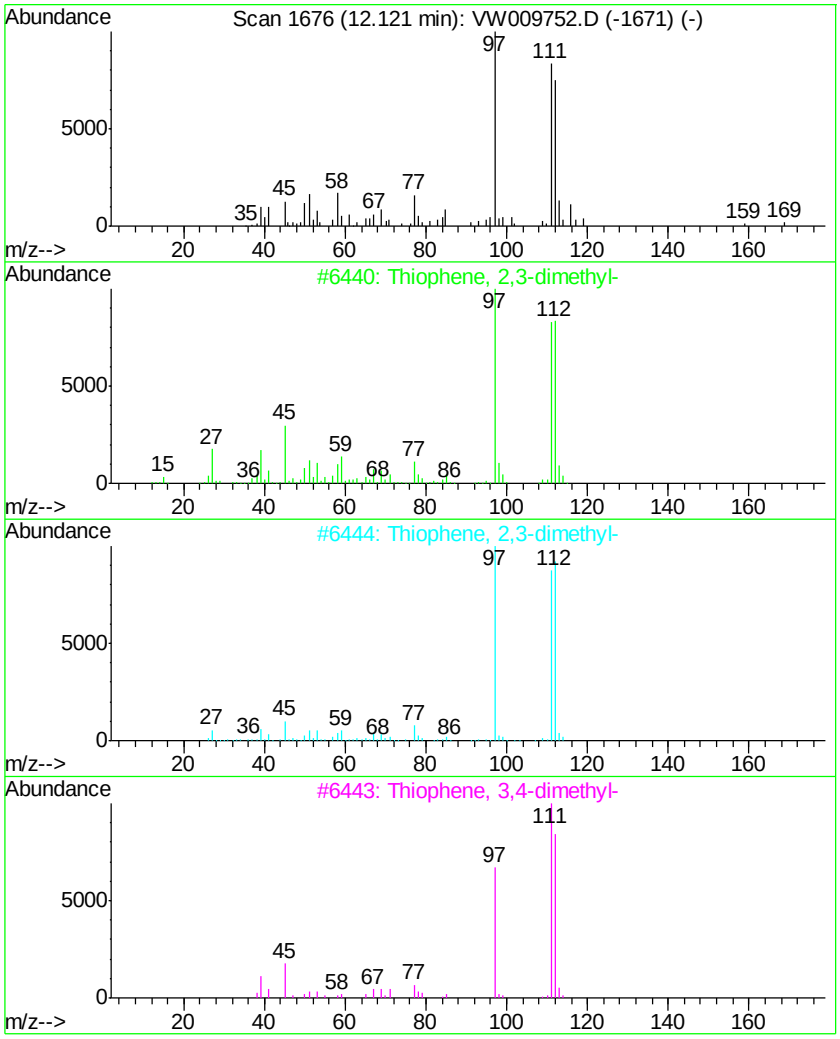
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

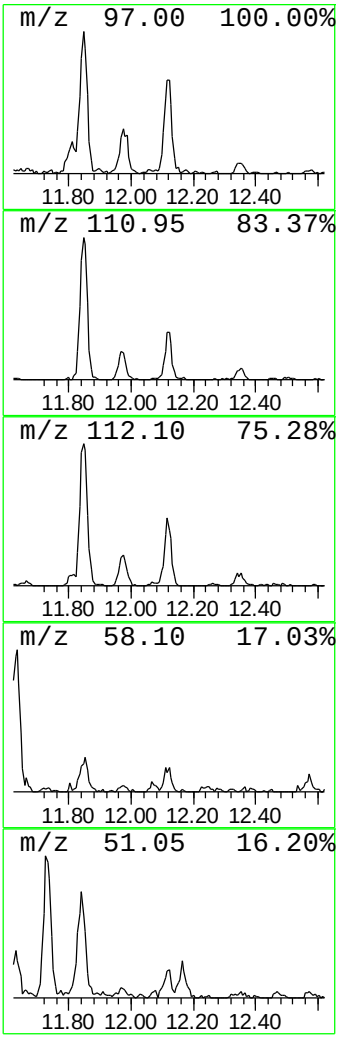
****

Peak Number 3 Thiophene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	1.44 ug/L	57189	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2,3-dimethyl-	112	C6H8S	000632-16-6	90
2	Thiophene, 2,3-dimethyl-	112	C6H8S	000632-16-6	90
3	Thiophene, 3,4-dimethyl-	112	C6H8S	000632-15-5	86
4	Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	64
5	2-Pyrazoline, 1,3,4-trimethyl-	112	C6H12N2	014044-41-8	59





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Instrument : MSVOA_W
ClientSampleId : BF650RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

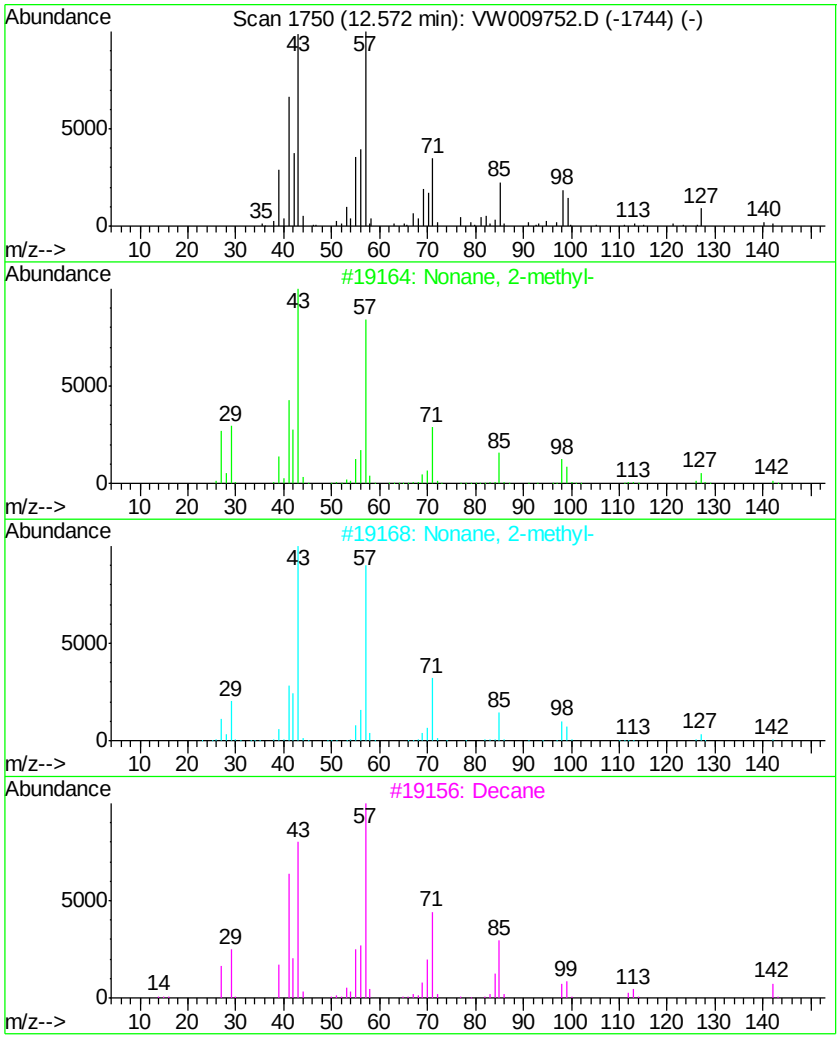
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

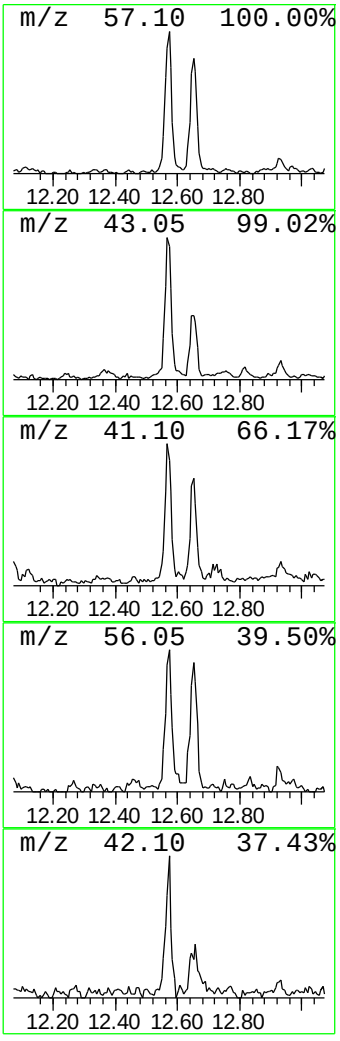
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	2.01 ug/L	79619	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2-methyl-	142	C10H22	000871-83-0	68
2	Nonane, 2-methyl-	142	C10H22	000871-83-0	64
3	Decane	142	C10H22	000124-18-5	59
4	Heptane, 2,2,3,5-tetramethyl-	156	C11H24	061868-42-6	50
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	50





Library Search Compound Report

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Data File : VW009752.D
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF650RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

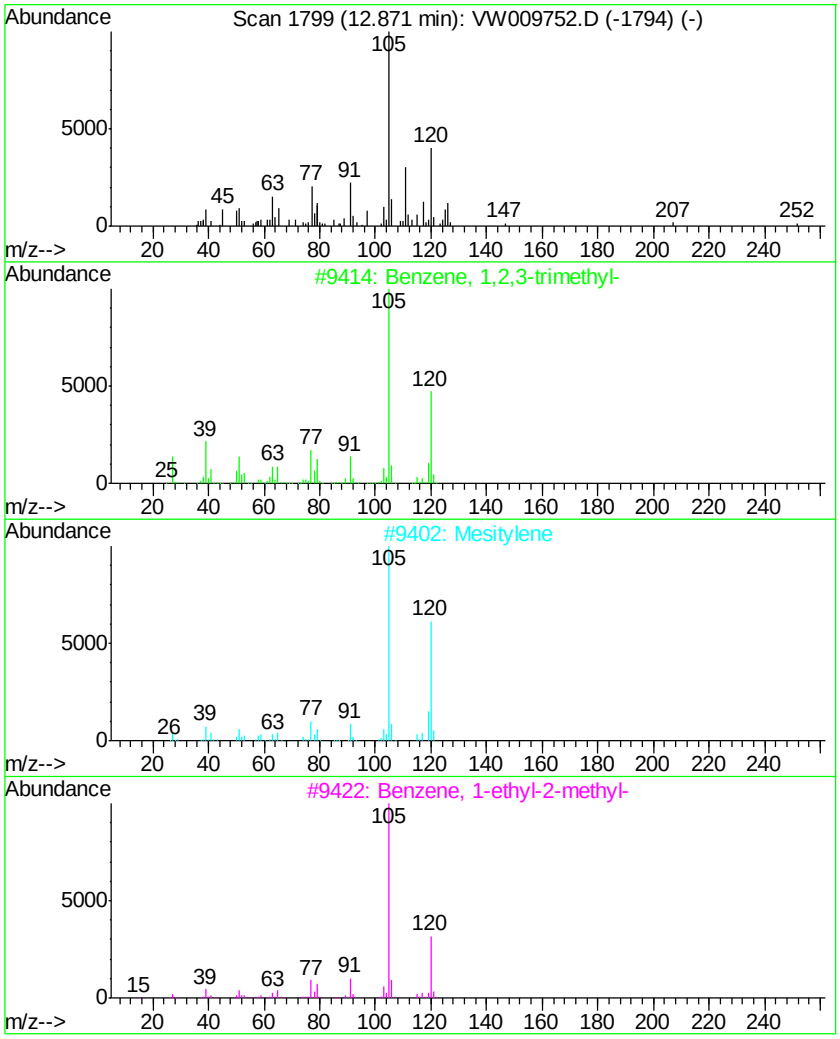
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

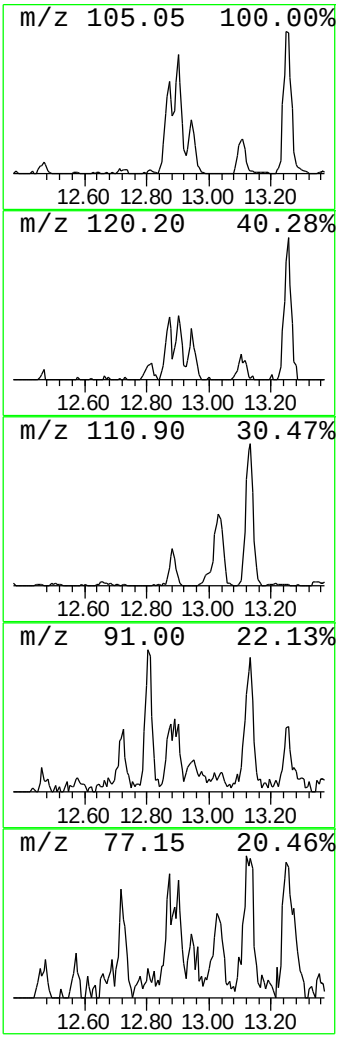
****

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	1.82 ug/L	35757	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	62
2	Mesitylene	120	C9H12	000108-67-8	58
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	58
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	58
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	58





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Acq On : 06 Apr 2019 02:57
Operator : SY/VA
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Misc : 2.55G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF650RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

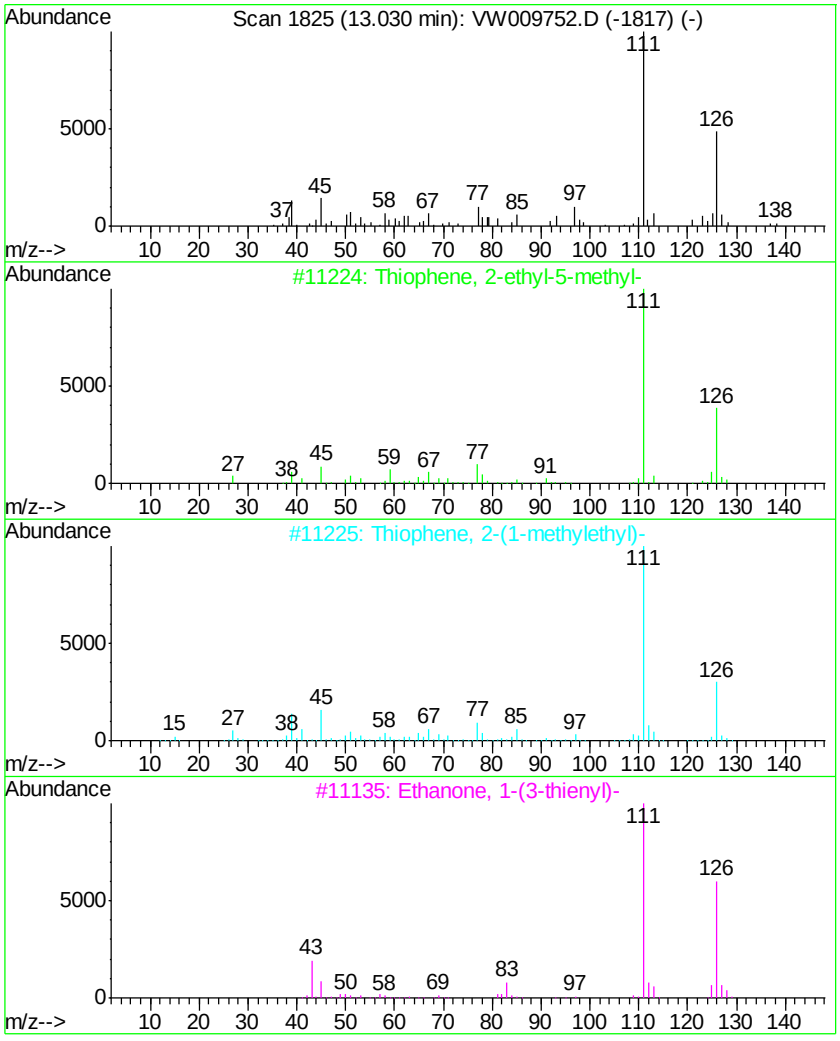
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

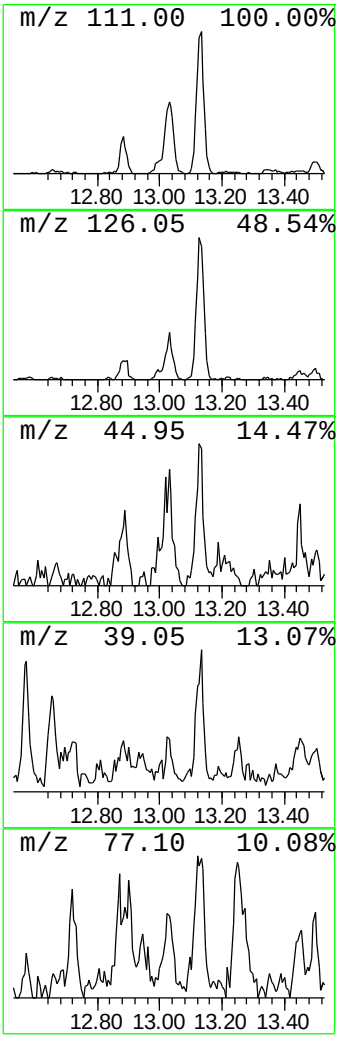
****

Peak Number 6 Thiophene, 2-ethyl-5-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	2.76 ug/L	54305	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-ethyl-5-methyl-	126	C7H10S	040323-88-4	81
2	Thiophene, 2-(1-methylethyl)-	126	C7H10S	004095-22-1	64
3	Ethanone, 1-(3-thienyl)-	126	C6H6OS	001468-83-3	59
4	Ethanone, 1-(2-thienyl)-	126	C6H6OS	000088-15-3	53
5	Ethanone, 1-(3-thienyl)-	126	C6H6OS	001468-83-3	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
Data File : VW009752.D
Acq On : 06 Apr 2019 02:57
Operator : SY/VA
Sample : K2188-03RE
Misc : 2.55G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF650RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

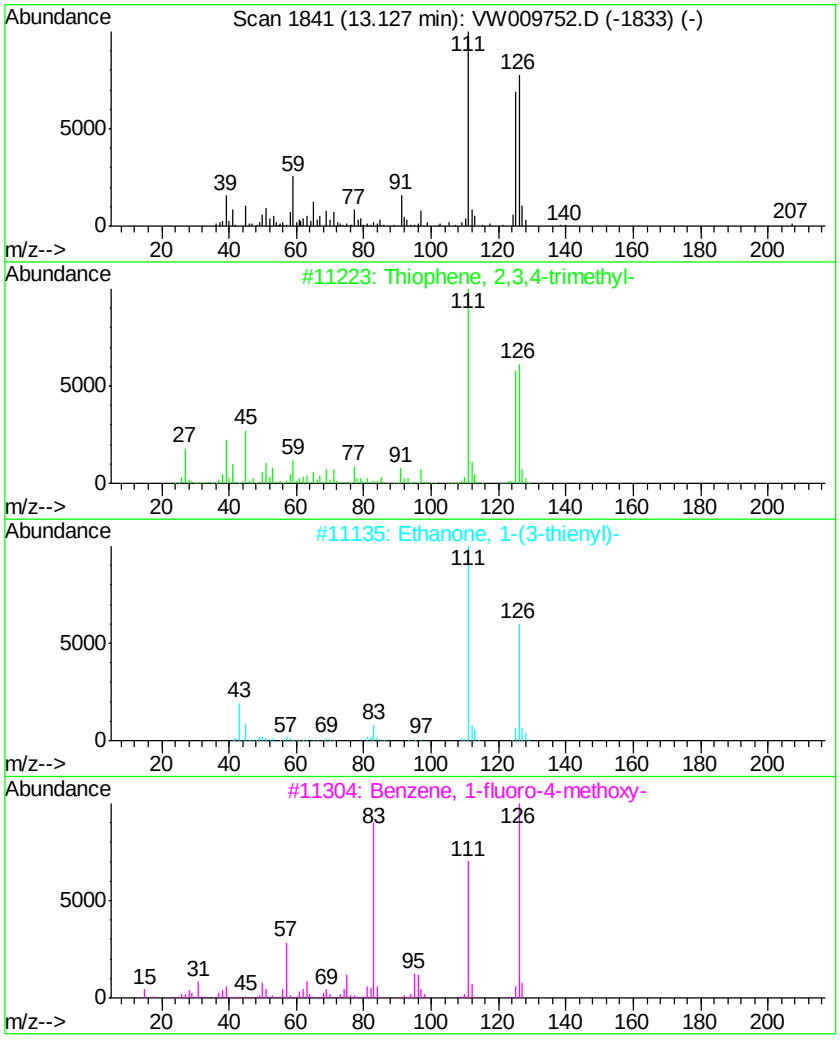
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

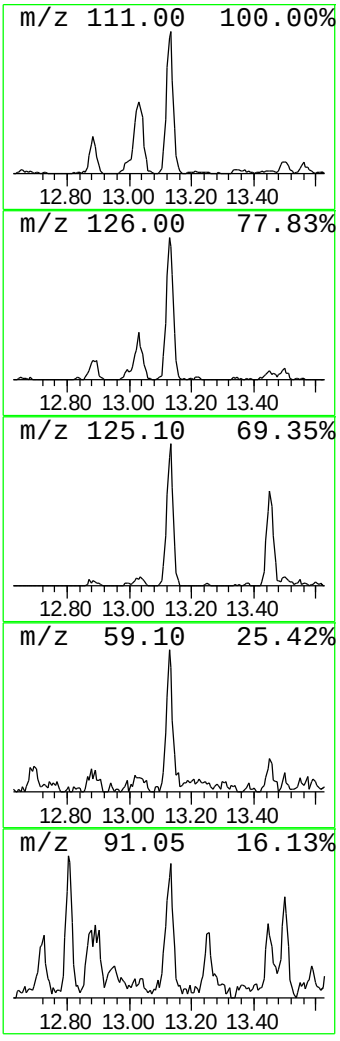
****

Peak Number 7 Thiophene, 2,3,4-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	6.14 ug/L	120843	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2,3,4-trimethyl-	126	C7H10S	001795-04-6	80
2	Ethanone, 1-(3-thienyl)-	126	C6H6OS	001468-83-3	62
3	Benzene, 1-fluoro-4-methoxy-	126	C7H7FO	000459-60-9	53
4	Ethanone, 1-(3-thienyl)-	126	C6H6OS	001468-83-3	53
5	1-Heptanone, 1-(2-thienyl)-	196	C11H16OS	030711-40-1	53





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Data File : VW009752.D
Acq On : 06 Apr 2019 02:57
Operator : SY/VA
Sample : K2188-03RE
Misc : 2.55G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF650RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

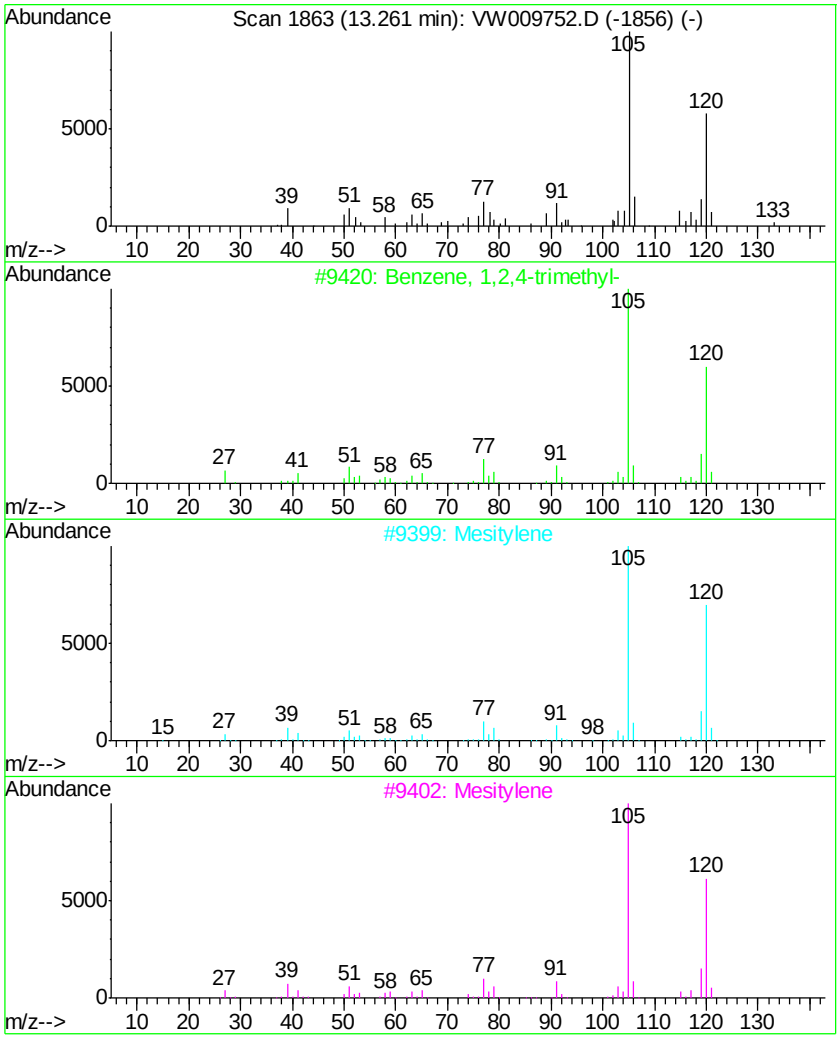
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

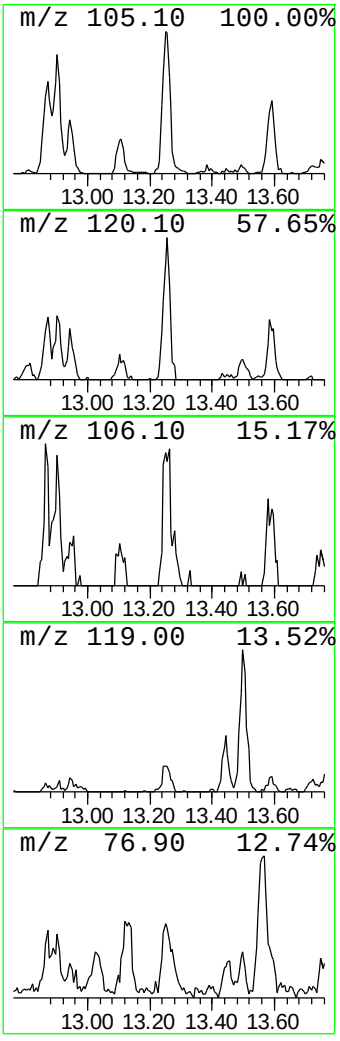
****

Peak Number 8 Benzene, 1,2,4-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	2.94 ug/L	57829	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
2	Mesitylene	120	C9H12	000108-67-8	90
3	Mesitylene	120	C9H12	000108-67-8	90
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





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Acq On : 06 Apr 2019 02:57
Operator : SY/VA
Sample : K2188-03RE
Misc : 2.55G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF650RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

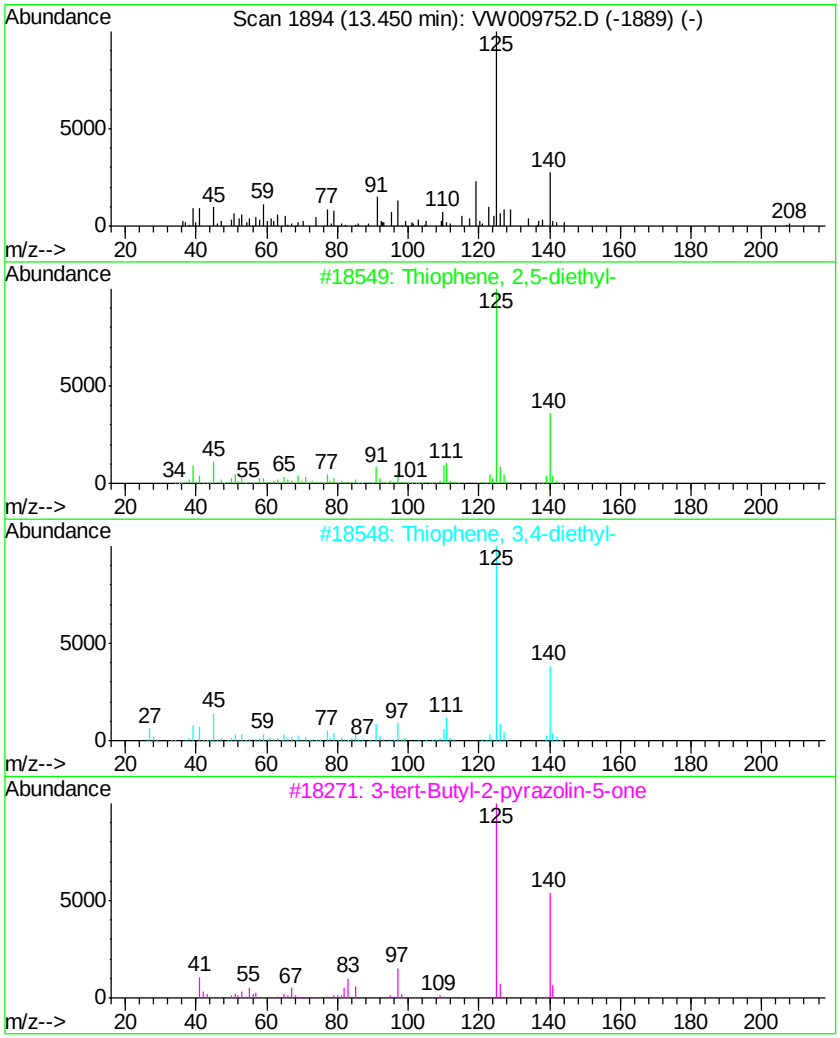
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

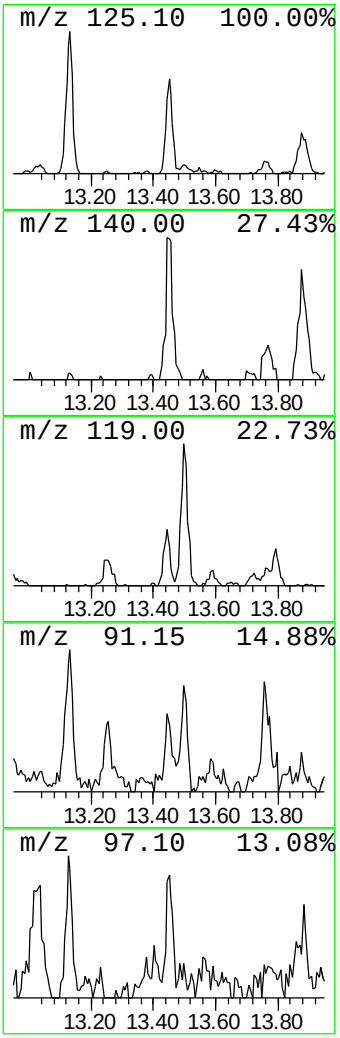
****

Peak Number 9 Thiophene, 2,5-diethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	2.09 ug/L	41232	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2,5-diethyl-	140	C8H12S	005069-23-8	58
2	Thiophene, 3,4-diethyl-	140	C8H12S	035686-14-7	58
3	3-tert-Butyl-2-pyrazolin-5-one	140	C7H12N2O	029211-68-5	52
4	Thiophene, 3-(1,1-dimethylethyl)-	140	C8H12S	001689-79-8	50
5	Thiophene, 2-(1,1-dimethylethyl)-	140	C8H12S	001689-78-7	50





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Data File : VW009752.D
Acq On : 06 Apr 2019 02:57
Operator : SY/VA
Sample : K2188-03RE
Misc : 2.55G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF650RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

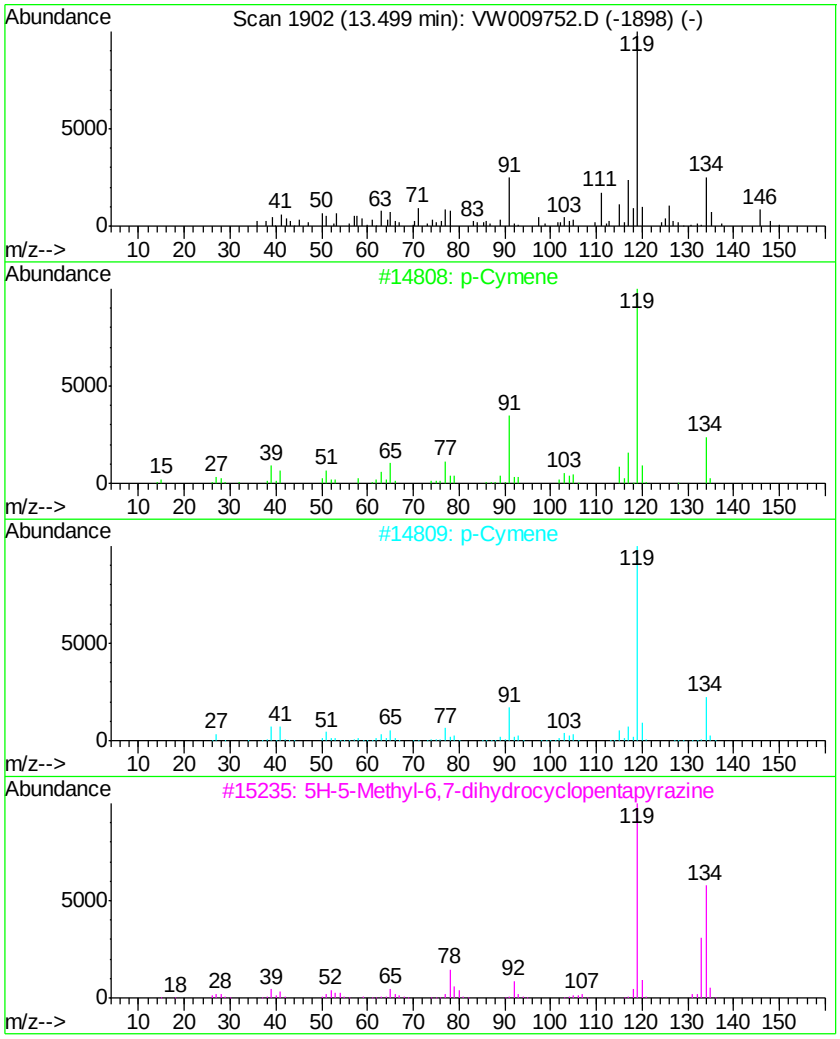
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

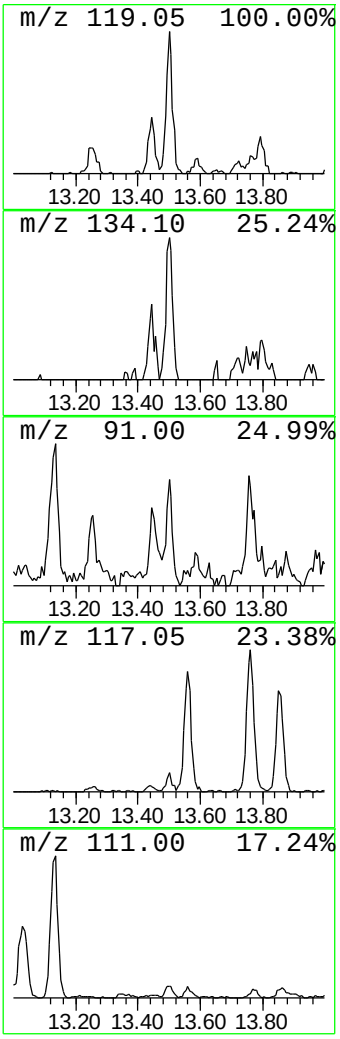
****

Peak Number 10 p-Cymene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	1.42 ug/L	27946	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	62
2	p-Cymene	134	C10H14	000099-87-6	58
3	5H-5-Methyl-6,7-dihydrocyclopent...	134	C8H10N2	023747-48-0	53
4	o-Cymene	134	C10H14	000527-84-4	52
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	52





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Data File : VW009752.D
Acq On : 06 Apr 2019 02:57
Operator : SY/VA
Sample : K2188-03RE
Misc : 2.55G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF650RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

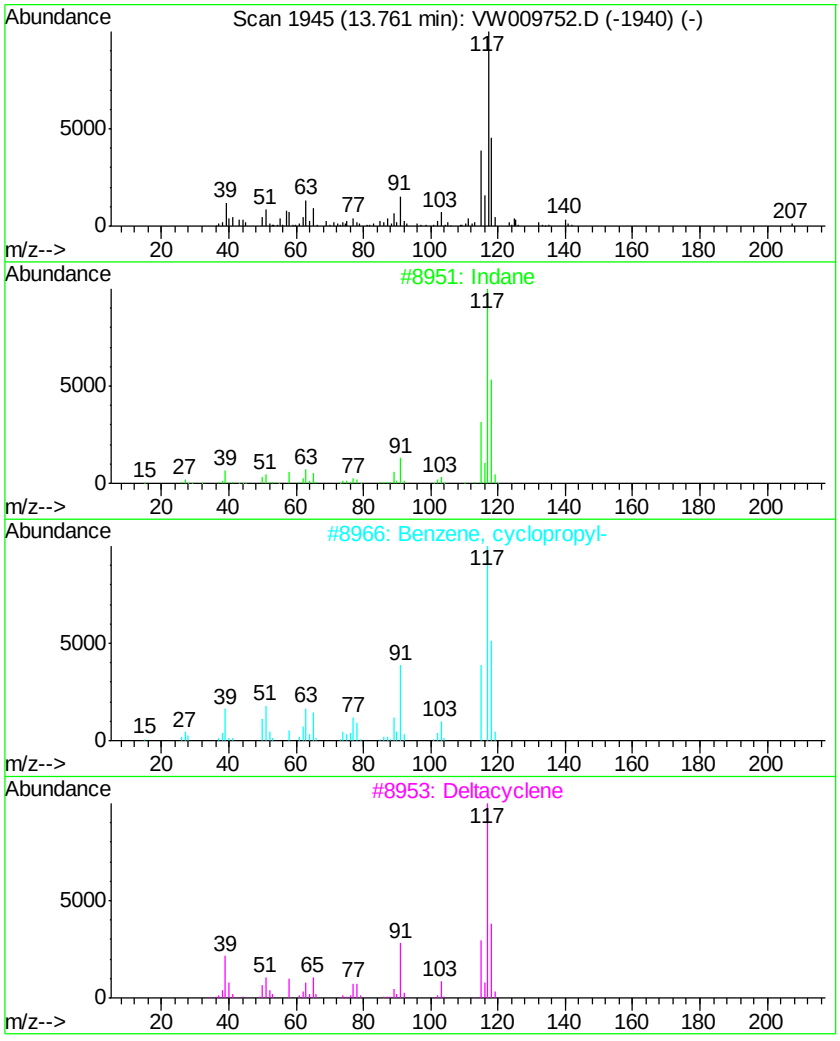
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

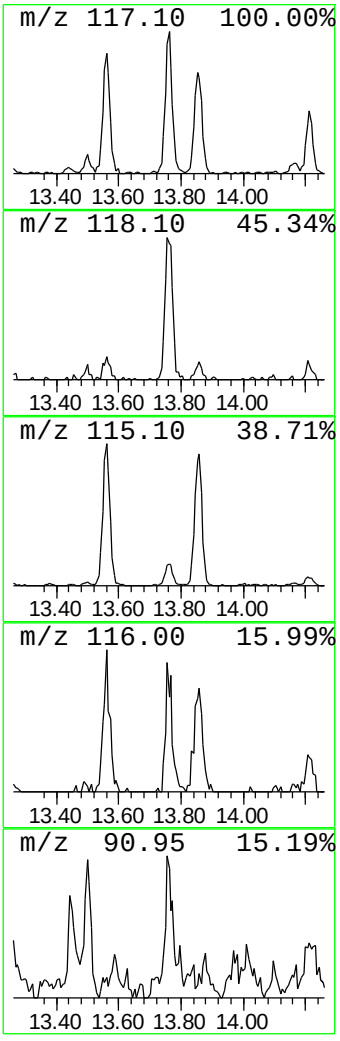
****

Peak Number 11 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	4.09 ug/L	80421	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	70
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
3	Deltacyclene	118	C9H10	007785-10-6	62
4	Deltacyclene	118	C9H10	007785-10-6	58
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	53





Library Search Compound Report

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Data File : VW009752.D
Acq On : 06 Apr 2019 02:57
Operator : SY/VA
Sample : K2188-03RE
Misc : 2.55G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF650RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

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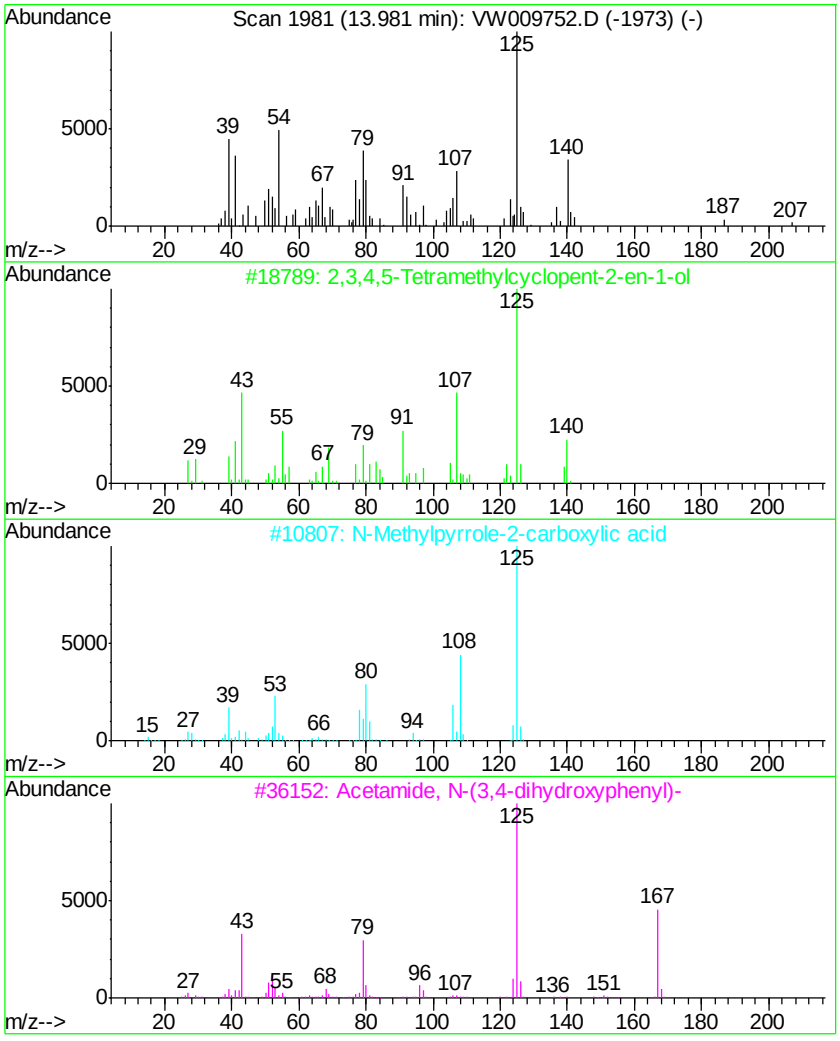
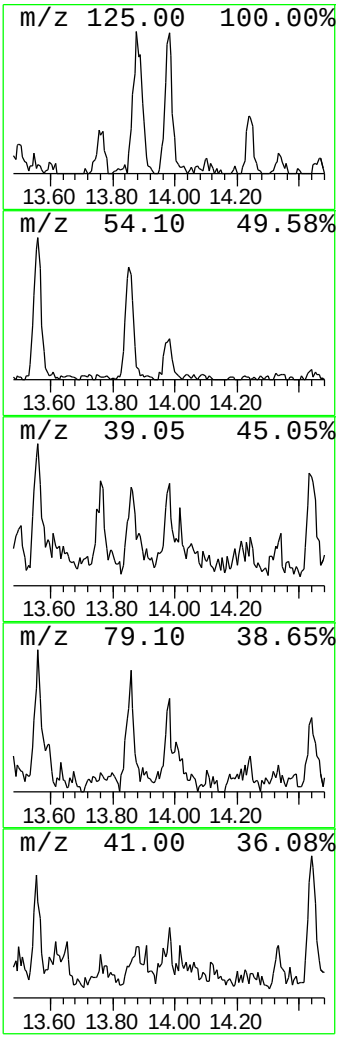
Peak Number 12 2,3,4,5-Tetramethylcyclopen... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	2.06 ug/L	40509	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4,5-Tetramethylcyclopent-2-e...	140	C9H16O	082061-20-9	64
2	N-Methylpyrrole-2-carboxylic acid	125	C6H7NO2	006973-60-0	43
3	Acetamide, N-(3,4-dihydroxyphenyl)-	167	C8H9NO3	037519-14-5	43
4	2(1H)-Pyridinethione, 5-methyl-	125	C6H7NS	018368-58-6	38
5	Furan-2-carboxylic acid, 5-ethyl-	140	C7H8O3	1000311-16-3	38





Library Search Compound Report

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Data File : VW009752.D
Acq On : 06 Apr 2019 02:57
Operator : SY/VA
Sample : K2188-03RE
Misc : 2.55G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF650RE

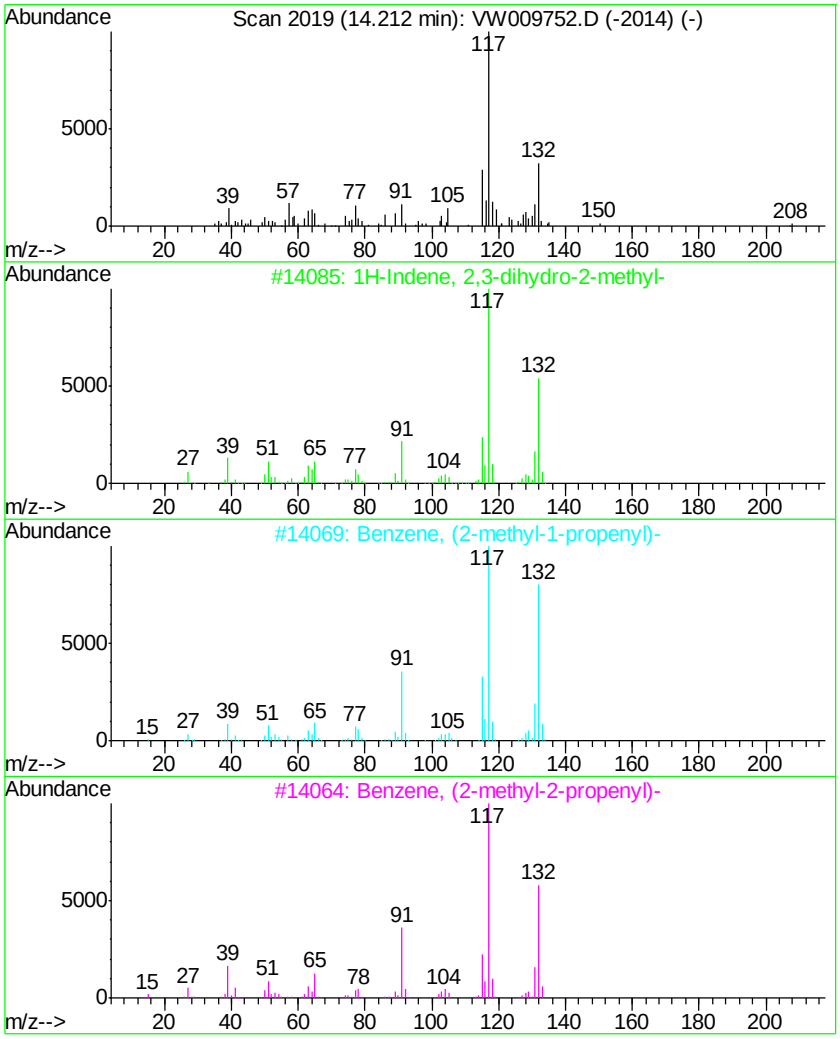
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

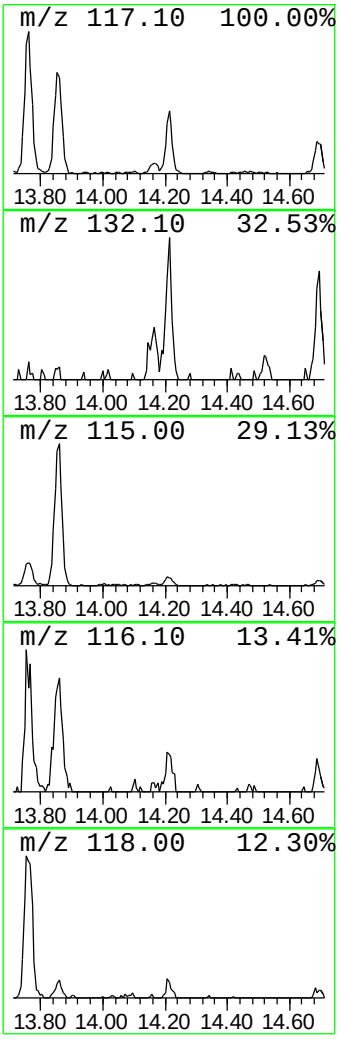
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1H-Indene, 2,3-dihydro-2-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	2.87 ug/L	56427	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	90
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	87
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	87
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87





Library Search Compound Report

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Data File : VW009752.D
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Operator : SY/VA
Sample : K2188-03RE
Misc : 2.55G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF650RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

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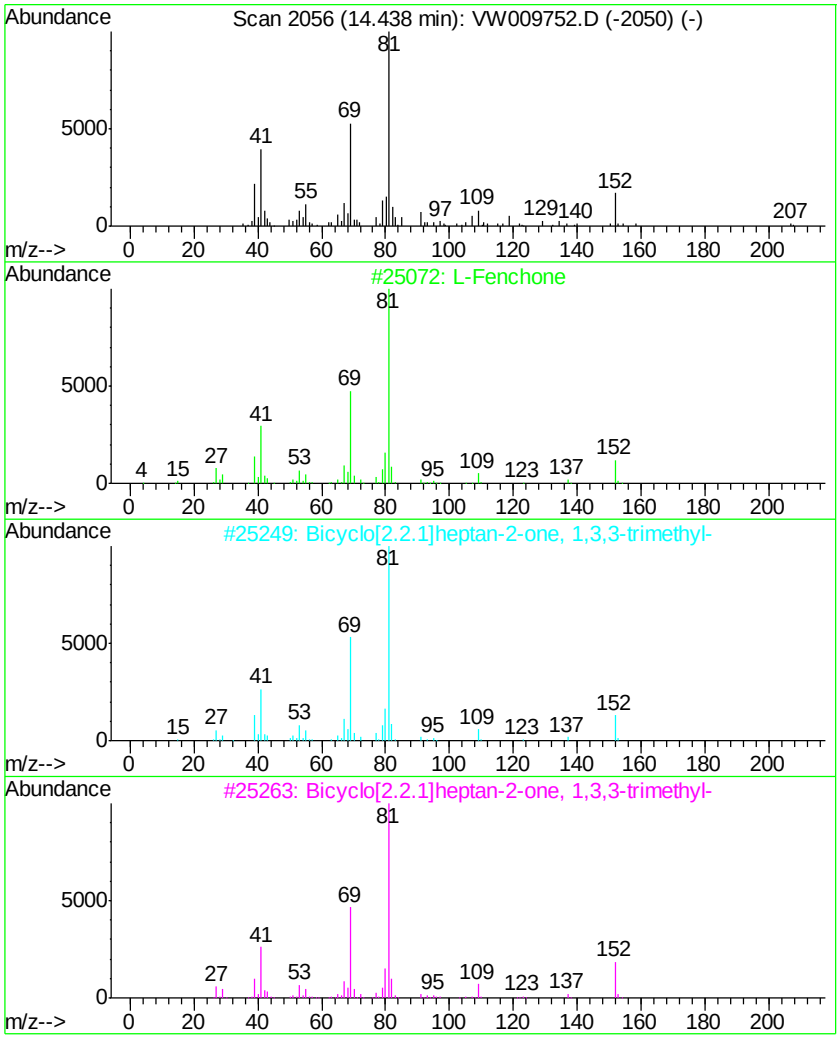
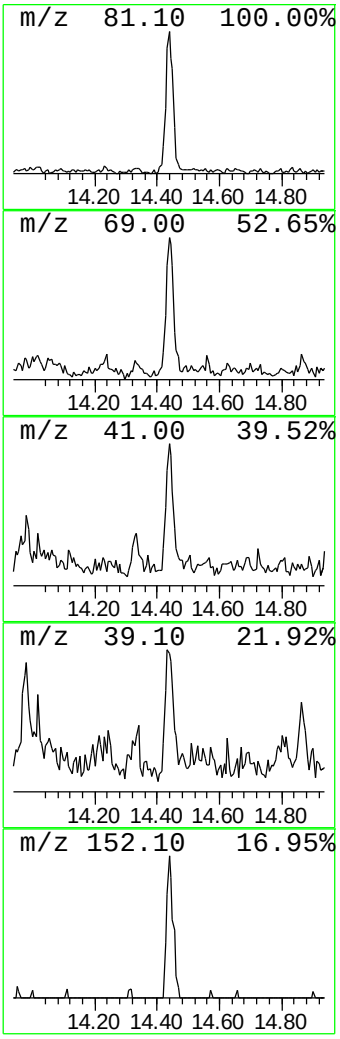
Peak Number 14 L-Fenchone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.44	3.18 ug/L	62679	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	L-Fenchone	152	C10H16O	007787-20-4	87
2	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	87
3	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	87
4	L-Fenchone	152	C10H16O	007787-20-4	83
5	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	81





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Operator : SY/VA
Sample : K2188-03RE
Misc : 2.55G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF650RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

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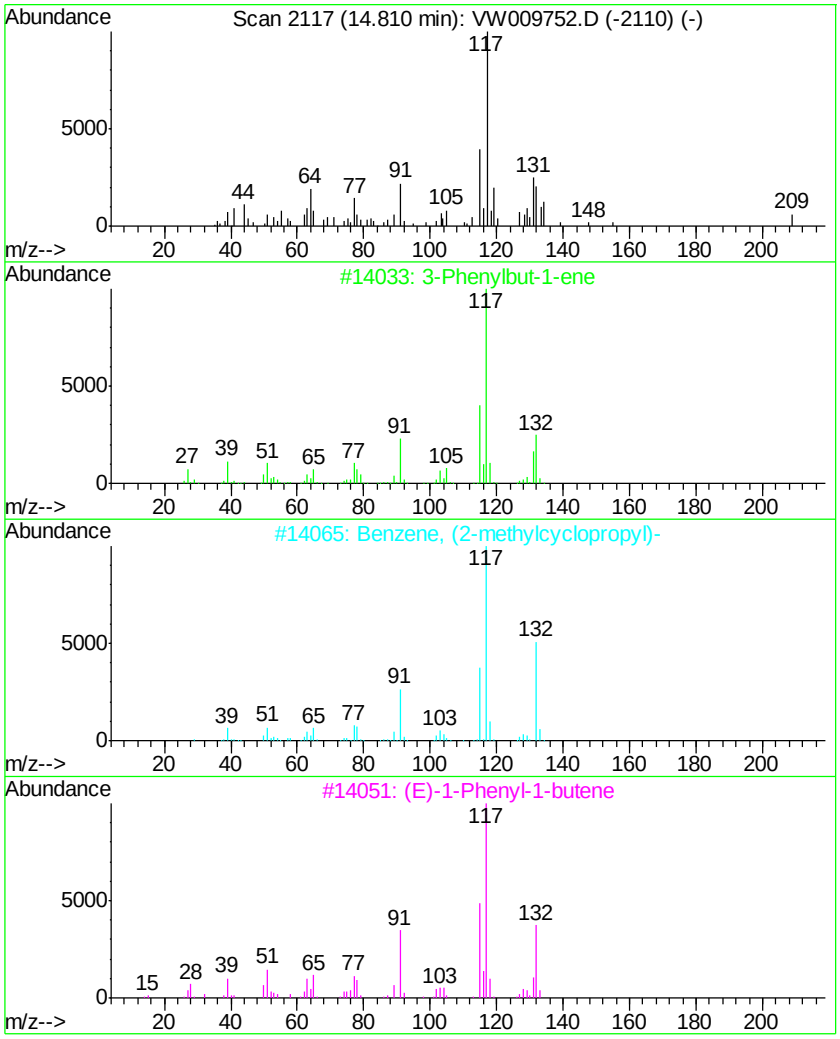
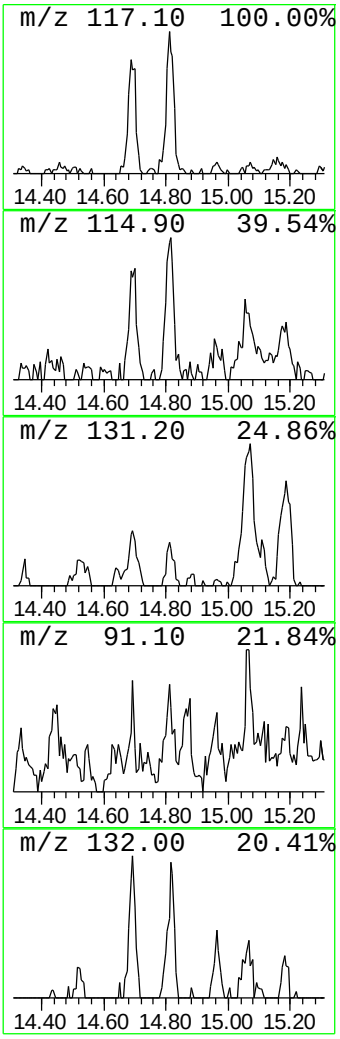
Peak Number 15 3-Phenylbut-1-ene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	1.47 ug/L	28920	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	62
2	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	60
3	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	58
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	58
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	58





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Sample : K2188-03RE
Misc : 2.55G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF650RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

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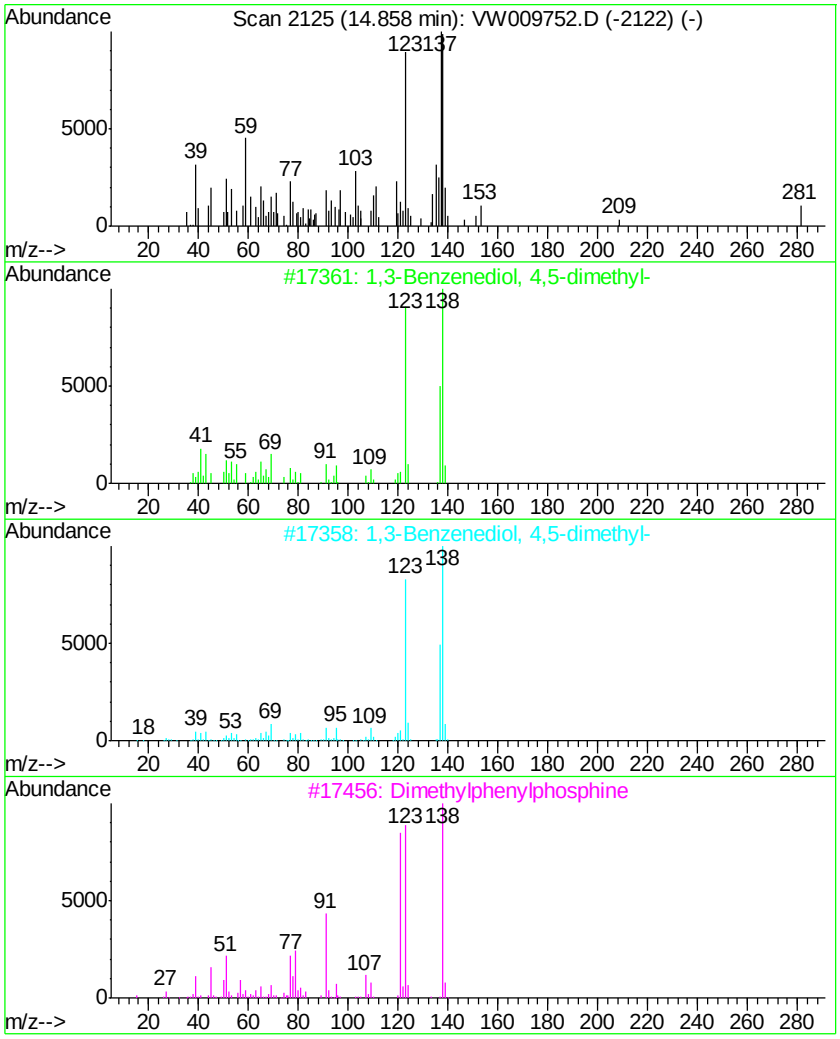
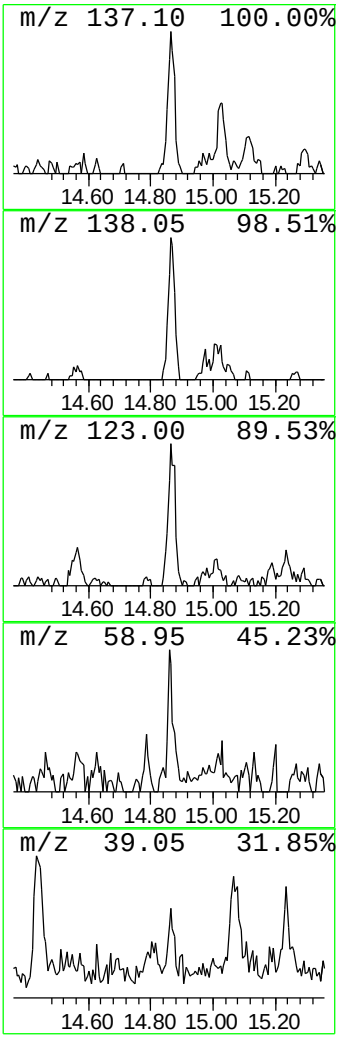
Peak Number 16 unknown-01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	1.82 ug/L	35890	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Benzenediol, 4,5-dimethyl-	138	C8H10O2	000527-55-9	49
2	1,3-Benzenediol, 4,5-dimethyl-	138	C8H10O2	000527-55-9	49
3	Dimethylphenylphosphine	138	C8H11P	000672-66-2	46
4	Benzene, 2-fluoro-1,3,5-trimethyl-	138	C9H11F	000392-69-8	46
5	2-(2,2-Dimethylvinyl)thiophene	138	C8H10S	059311-09-0	46





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Data File : VW009752.D
Acq On : 06 Apr 2019 02:57
Operator : SY/VA
Sample : K2188-03RE
Misc : 2.55G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF650RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

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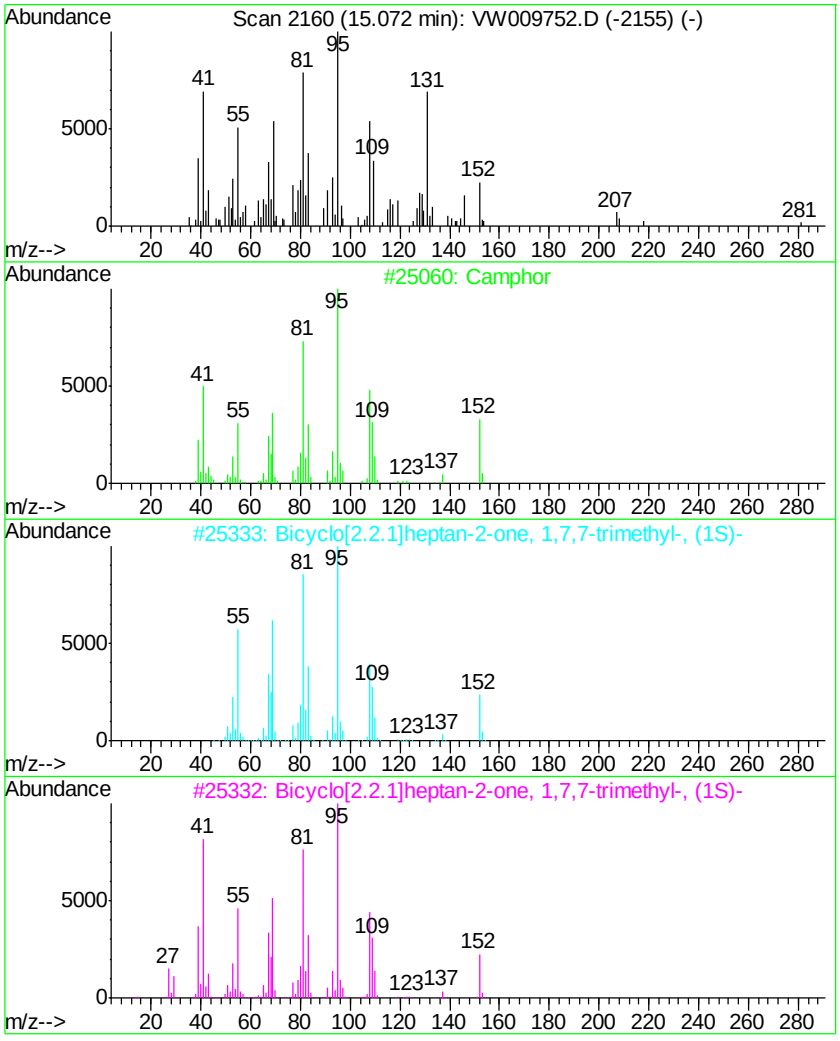
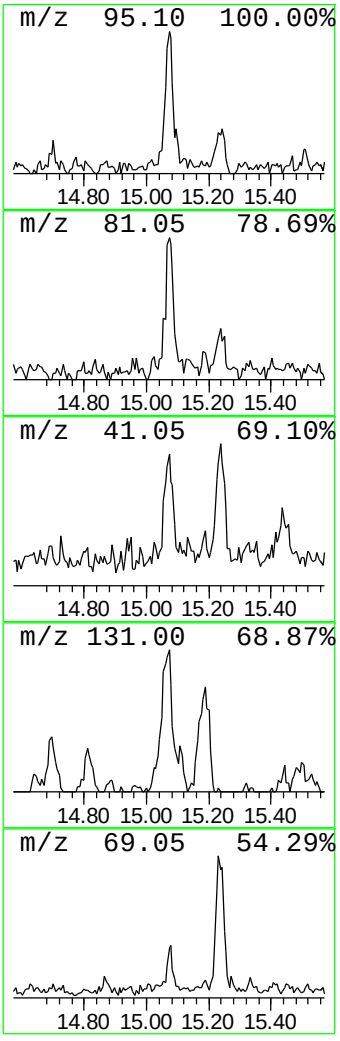
Peak Number 17 Camphor Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	2.15 ug/L	42342	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphor	152	C10H16O	000076-22-2	90
2	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	90
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	89
4	(+)-2-Bornanone	152	C10H16O	000464-49-3	76
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
Data File : VW009752.D
Acq On : 06 Apr 2019 02:57
Operator : SY/VA
Sample : K2188-03RE
Misc : 2.55G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF650RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

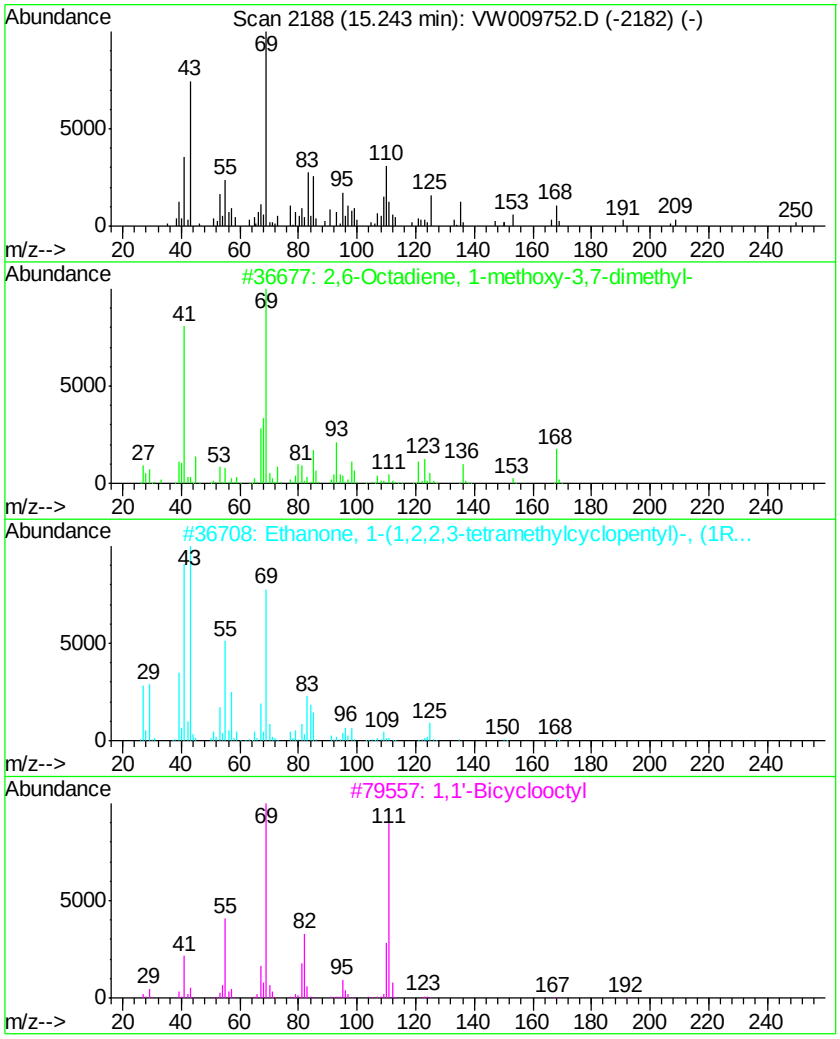
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

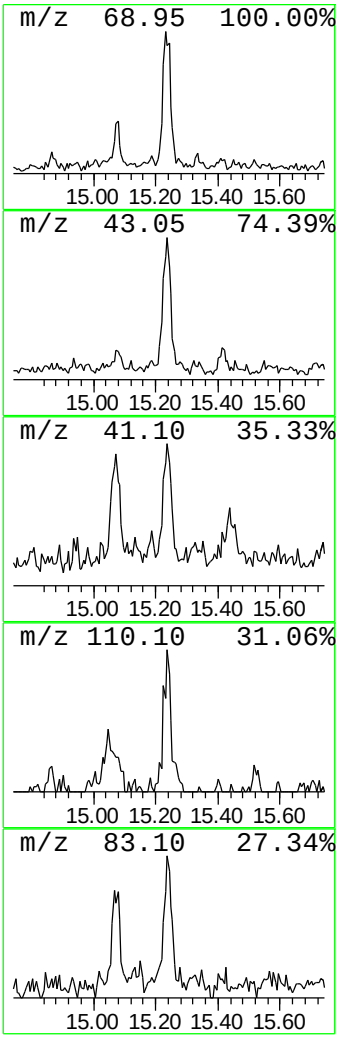
****

Peak Number 18 unknown-02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	2.34 ug/L	46020	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Octadiene, 1-methoxy-3,7-dim...	168	C11H20O	072152-72-8	38
2	Ethanone, 1-(1,2,2,3-tetramethyl...	168	C11H20O	059642-07-8	35
3	1,1'-Bicyclooctyl	222	C16H30	006708-17-4	32
4	Cyclohexane, (1,2-dimethylpropyl)-	154	C11H22	051284-29-8	32
5	2,6-Octadien-1-ol, 3,7-dimethyl-	154	C10H18O	000624-15-7	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040619\
Data File : VW009752.D
Acq On : 06 Apr 2019 02:57
Operator : SY/VA
Sample : K2188-03RE
Misc : 2.55G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BF650RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Carbonyl sulfide	1.99	1.3	ug/L	57049	1	8.84	1078360	25.0
Thiophene, 2,3-di...	12.12	1.4	ug/L	57189	2	11.63	991112	25.0
(DEL) Alkane: Str...	12.57	2.0	ug/L	79619	2	11.63	991112	25.0
Benzene, 1,2,3-tr...	12.87	1.8	ug/L	35757	3	13.56	492118	25.0
Thiophene, 2-ethy...	13.03	2.8	ug/L	54305	3	13.56	492118	25.0
Thiophene, 2,3,4-...	13.13	6.1	ug/L	120843	3	13.56	492118	25.0
Benzene, 1,2,4-tr...	13.26	2.9	ug/L	57829	3	13.56	492118	25.0
Thiophene, 2,5-di...	13.45	2.1	ug/L	41232	3	13.56	492118	25.0
p-Cymene	13.50	1.4	ug/L	27946	3	13.56	492118	25.0
Indane	13.76	4.1	ug/L	80421	3	13.56	492118	25.0
2,3,4,5-Tetrameth...	13.98	2.1	ug/L	40509	3	13.56	492118	25.0
1H-Indene, 2,3-di...	14.21	2.9	ug/L	56427	3	13.56	492118	25.0
L-Fenchone	14.44	3.2	ug/L	62679	3	13.56	492118	25.0
3-Phenylbut-1-ene	14.81	1.5	ug/L	28920	3	13.56	492118	25.0
unknown-01	14.86	1.8	ug/L	35890	3	13.56	492118	25.0
Camphor	15.07	2.1	ug/L	42342	3	13.56	492118	25.0
unknown-02	15.24	2.3	ug/L	46020	3	13.56	492118	25.0