

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040319\
 Data File : VW009681.D
 Acq On : 04 Apr 2019 03:11
 Operator : SY/VA
 Sample : K2188-03
 Misc : 3.18G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF650

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 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	1.995	11	15	28	rVB2	28888	76081	3.55%	0.484%
2	2.160	35	42	48	rBV4	7421	19076	0.89%	0.121%
3	2.233	48	54	55	rBV6	3370	6728	0.31%	0.043%
4	2.355	67	74	87	rBV	166063	375508	17.54%	2.391%
5	2.495	95	97	100	rBV4	2421	2573	0.12%	0.016%
6	2.562	106	108	110	rBV3	2849	2852	0.13%	0.018%
7	2.587	110	112	114	rVV3	2175	2077	0.10%	0.013%
8	2.891	155	162	179	rVB	120312	339139	15.84%	2.159%
9	3.025	181	184	189	rVV7	5138	7425	0.35%	0.047%
10	3.263	220	223	226	rBV4	2940	4166	0.19%	0.027%
11	3.379	238	242	251	rVB3	10533	26985	1.26%	0.172%
12	3.574	272	274	278	rVV4	4309	5264	0.25%	0.034%
13	3.848	313	319	328	rVB8	6056	16378	0.77%	0.104%
14	4.013	334	346	359	rBV	240363	852626	39.83%	5.429%
15	4.373	392	405	407	rBV2	25795	61554	2.88%	0.392%
16	4.909	481	493	513	rBV3	46943	194705	9.09%	1.240%
17	5.415	570	576	577	rBV5	2346	3744	0.17%	0.024%
18	5.940	651	662	672	rVB3	12913	42488	1.98%	0.271%
19	6.275	712	717	719	rBV4	2269	3833	0.18%	0.024%
20	6.982	822	833	839	rBV10	1802	5795	0.27%	0.037%
21	7.074	839	848	860	rBV	54356	163581	7.64%	1.042%
22	7.531	915	923	930	rBV5	3244	8471	0.40%	0.054%
23	7.640	930	941	955	rBV	389079	926314	43.27%	5.898%
24	7.921	983	987	990	rBV4	2126	4100	0.19%	0.026%
25	8.146	1020	1024	1030	rBV7	2354	3367	0.16%	0.021%
26	8.275	1035	1045	1061	rBV2	698703	2140890	100.00%	13.632%
27	8.409	1063	1067	1072	rVV6	1426	2529	0.12%	0.016%
28	8.561	1081	1092	1097	rBV10	7539	21459	1.00%	0.137%
29	8.695	1108	1114	1124	rVB7	9249	22987	1.07%	0.146%
30	8.841	1127	1138	1148	rBV	633356	1259874	58.85%	8.022%
31	9.000	1160	1164	1166	rBV4	1642	2587	0.12%	0.016%
32	9.037	1166	1170	1171	rVV3	4453	6002	0.28%	0.038%
33	9.073	1171	1176	1181	rVV7	6629	16380	0.77%	0.104%
34	9.140	1183	1187	1194	rVB4	8554	15374	0.72%	0.098%

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 Title : VOC Analysis

35	9.274	1199	1209	1219	rBV	461777	957502	44.72%	6.097%
36	9.658	1269	1272	1275	rBV5	2298	3635	0.17%	0.023%
37	9.738	1282	1285	1287	rBV4	1863	2501	0.12%	0.016%
38	9.847	1295	1303	1309	rBV5	10056	23579	1.10%	0.150%
39	9.890	1309	1310	1317	rVB7	2590	4068	0.19%	0.026%
40	9.957	1317	1321	1325	rVB6	2958	4947	0.23%	0.031%
41	10.030	1325	1333	1341	rBV	106086	198140	9.26%	1.262%
42	10.097	1341	1344	1347	rBV5	3550	4837	0.23%	0.031%
43	10.323	1374	1381	1387	rBV	887637	1548953	72.35%	9.863%
44	10.384	1387	1391	1397	rVB	110681	193824	9.05%	1.234%
45	10.494	1403	1409	1416	rBV2	23062	49663	2.32%	0.316%
46	10.579	1416	1423	1429	rBV	69292	126266	5.90%	0.804%
47	10.640	1429	1433	1439	rBV	13976	27630	1.29%	0.176%
48	10.701	1439	1443	1447	rBV4	7469	13069	0.61%	0.083%
49	10.926	1473	1480	1490	rBV	208357	395719	18.48%	2.520%
50	11.055	1499	1501	1502	rBV2	4577	2755	0.13%	0.018%
51	11.073	1502	1504	1506	rVV3	4397	4165	0.19%	0.027%
52	11.335	1545	1547	1550	rBV4	4251	3358	0.16%	0.021%
53	11.414	1556	1560	1564	rVB3	19356	27964	1.31%	0.178%
54	11.542	1577	1581	1586	rBV8	7483	15265	0.71%	0.097%
55	11.628	1588	1595	1606	rVV	682509	1187302	55.46%	7.560%
56	11.731	1606	1612	1619	rVB	178446	289752	13.53%	1.845%
57	11.841	1621	1630	1639	rVB3	138930	279995	13.08%	1.783%
58	11.975	1646	1652	1659	rBV3	15698	37951	1.77%	0.242%
59	12.073	1662	1668	1672	rVV4	45910	90372	4.22%	0.575%
60	12.115	1672	1675	1679	rVV4	46808	78795	3.68%	0.502%
61	12.164	1679	1683	1693	rVB	52834	95805	4.48%	0.610%
62	12.243	1693	1696	1698	rBV4	4757	7141	0.33%	0.045%
63	12.347	1707	1713	1718	rBV9	13585	34084	1.59%	0.217%
64	12.566	1745	1749	1754	rBV	84894	121382	5.67%	0.773%
65	12.652	1759	1763	1765	rVV	72474	98775	4.61%	0.629%
66	12.694	1765	1770	1779	rVB	220931	417319	19.49%	2.657%
67	12.804	1786	1788	1791	rBV4	7475	8167	0.38%	0.052%
68	12.877	1794	1800	1801	rBV3	45255	79708	3.72%	0.508%
69	13.127	1833	1841	1846	rVB2	109092	174409	8.15%	1.111%
70	13.194	1848	1852	1856	rBV5	7565	11339	0.53%	0.072%
71	13.249	1856	1861	1866	rBV	45214	76977	3.60%	0.490%

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72	13.347	1871	1877	1879	rBV7	18111	37258	1.74%	0.237%
73	13.450	1890	1894	1898	rBV3	54408	98090	4.58%	0.625%
74	13.499	1898	1902	1906	rVV3	55557	96421	4.50%	0.614%
75	13.560	1906	1912	1921	rVB	400819	644684	30.11%	4.105%
76	13.761	1940	1945	1954	rBV2	60051	117049	5.47%	0.745%
77	13.853	1954	1960	1972	rVV	306200	556138	25.98%	3.541%
78	13.975	1977	1980	1984	rBV2	16040	24456	1.14%	0.156%
79	14.206	2014	2018	2030	rVB4	27141	76689	3.58%	0.488%
80	14.334	2035	2039	2045	rVV9	16661	28747	1.34%	0.183%
81	14.438	2051	2056	2064	rVB3	39254	81861	3.82%	0.521%
82	14.499	2064	2066	2068	rBV3	4807	4688	0.22%	0.030%
83	14.554	2071	2075	2081	rVB8	12539	23392	1.09%	0.149%
84	14.694	2093	2098	2101	rBV2	19255	31348	1.46%	0.200%
85	14.804	2109	2116	2121	rBV6	25932	58369	2.73%	0.372%
86	14.865	2122	2126	2130	rVB4	33811	52840	2.47%	0.336%
87	14.944	2137	2139	2140	rBV2	5999	5130	0.24%	0.033%
88	15.023	2149	2152	2154	rBV4	7870	11051	0.52%	0.070%
89	15.072	2154	2160	2166	rVV6	43194	92582	4.32%	0.590%
90	15.182	2173	2178	2182	rBV6	13524	20779	0.97%	0.132%
91	15.237	2183	2187	2193	rVB2	38897	64143	3.00%	0.408%
92	15.334	2199	2203	2206	rBV4	15390	23230	1.09%	0.148%
93	15.444	2217	2221	2224	rBV	20957	31046	1.45%	0.198%
94	15.651	2251	2255	2263	rVB10	15426	36875	1.72%	0.235%
95	15.737	2266	2269	2274	rVB7	13577	22343	1.04%	0.142%
96	15.810	2278	2281	2282	rBV3	5208	6381	0.30%	0.041%
97	15.962	2304	2306	2311	rBV5	6339	6301	0.29%	0.040%
98	16.297	2356	2361	2369	rVB	31466	56989	2.66%	0.363%
99	16.438	2381	2384	2389	rBV6	10155	20786	0.97%	0.132%
100	16.651	2412	2419	2422	rBV9	12719	35156	1.64%	0.224%

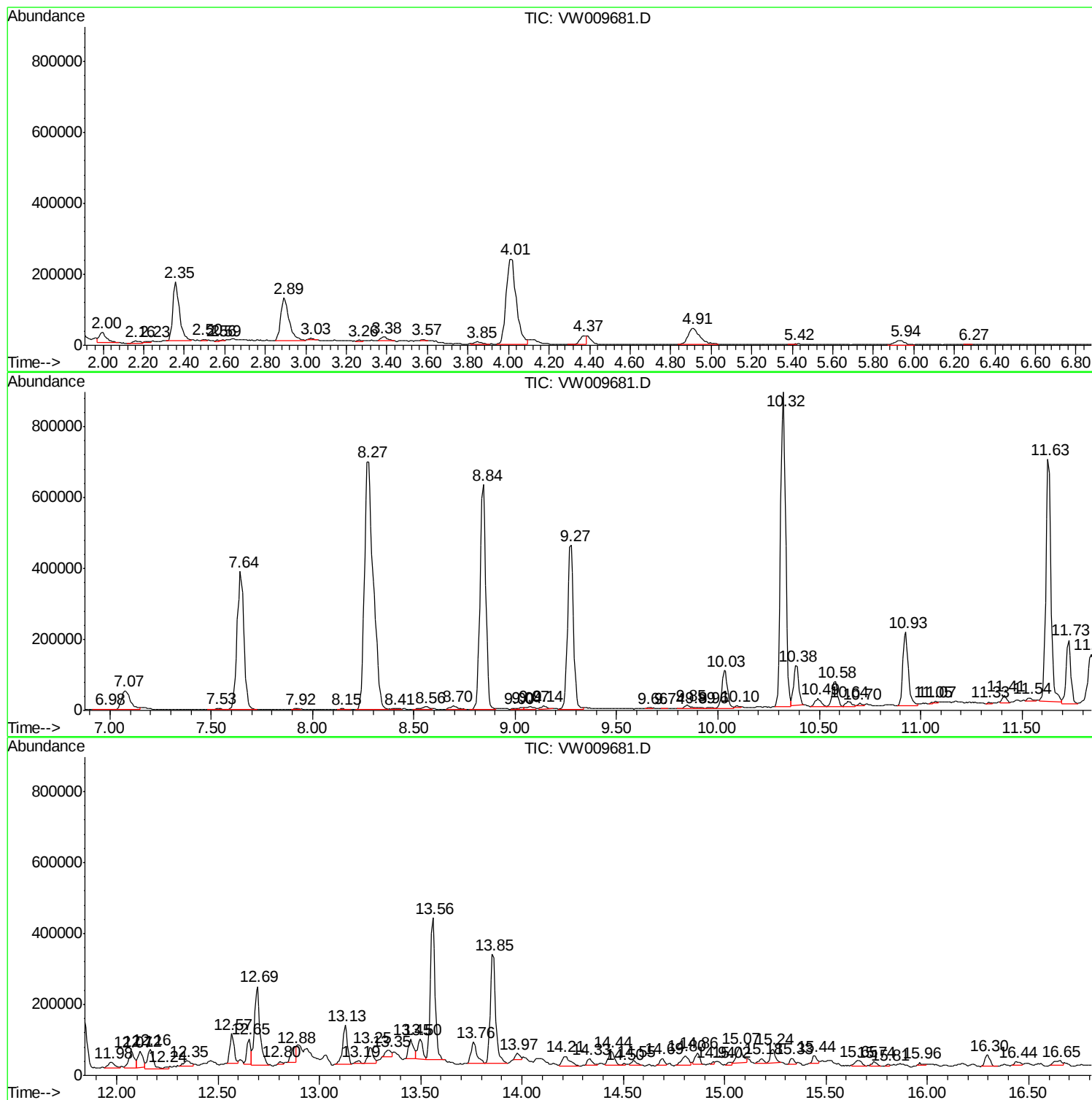
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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



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ClientSampled :
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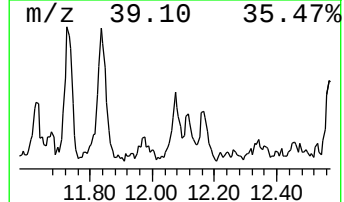
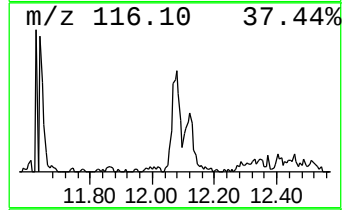
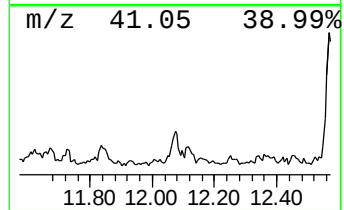
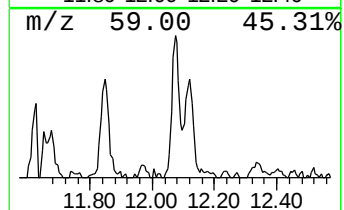
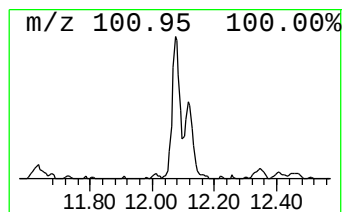
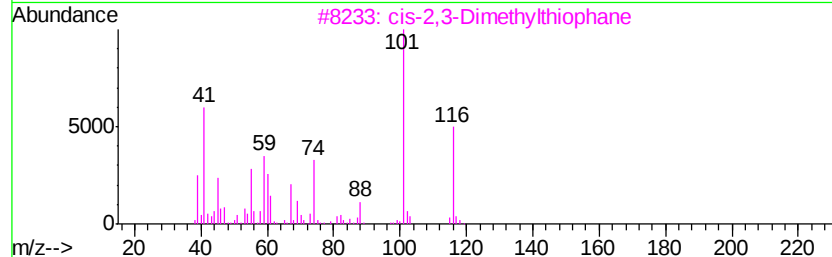
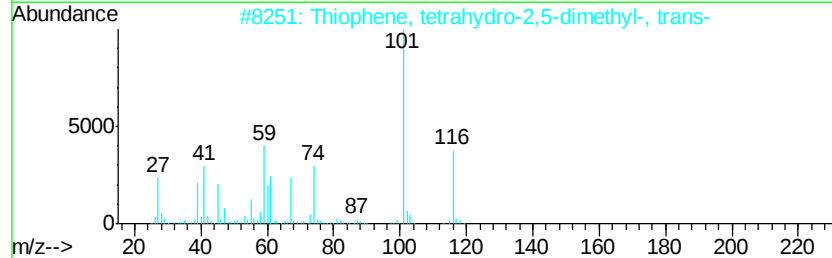
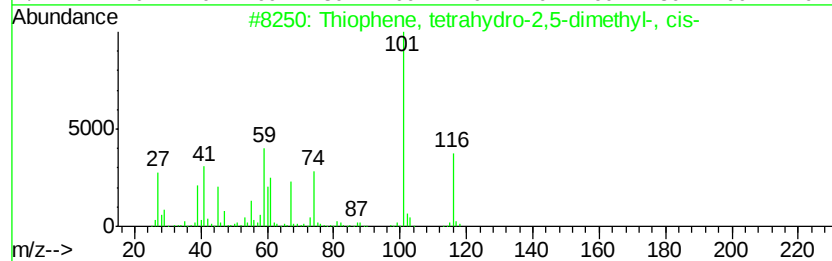
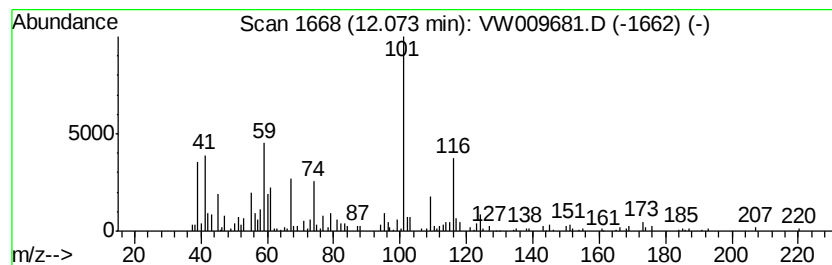
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 3 Thiophene, tetrahydro-2,5-d... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	1.90 ug/L	90372	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-13-7	96
2		Thiophene, tetrahydro-2,5-dimeth...	116	C6H12S	005161-14-8	96
3		cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	62
4		trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	62
5		Thiazole, 4,5-dihydro-4-methyl-2...	116	C4H8N2S	010416-81-6	49



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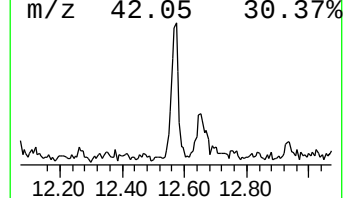
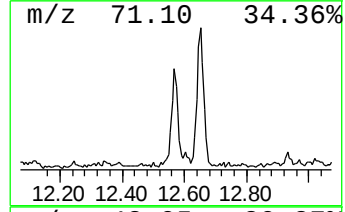
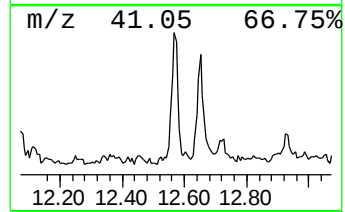
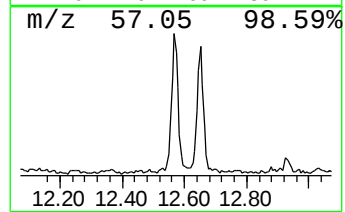
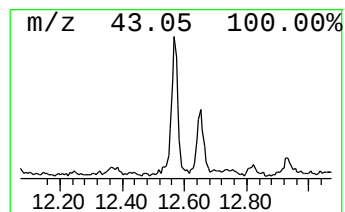
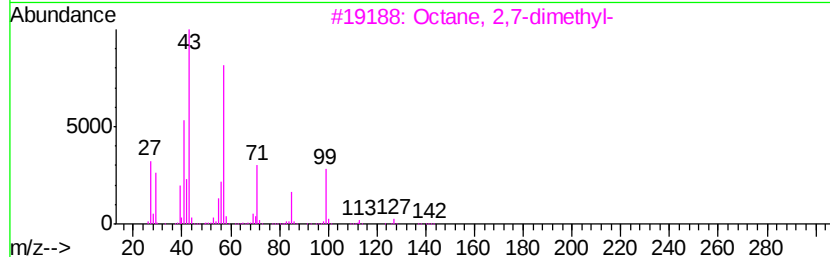
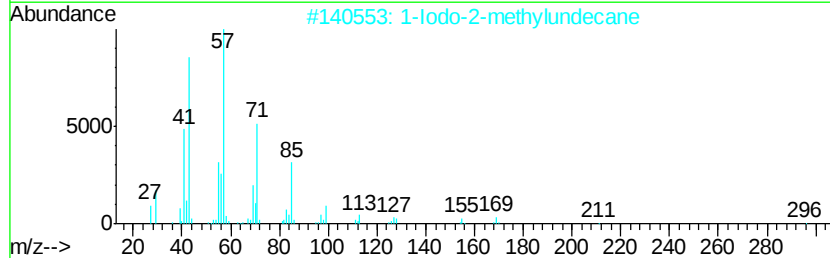
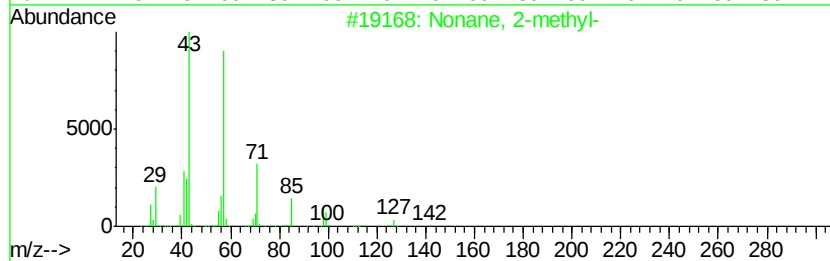
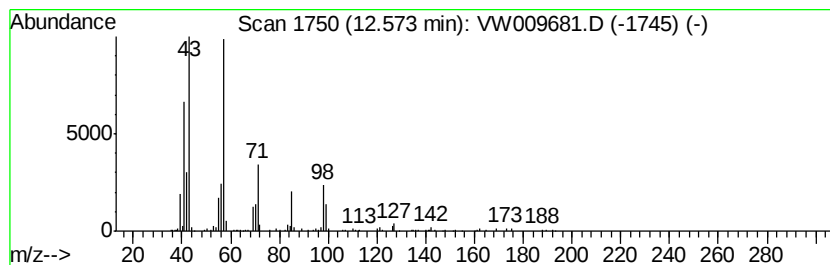
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Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	2.56 ug/L	121382	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 2-methyl-	142	C10H22	000871-83-0	90
2		1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	59
3		Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	53
4		Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	53
5		Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	53



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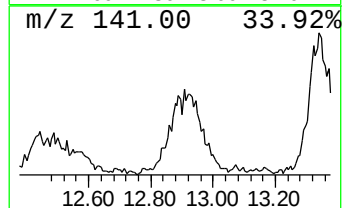
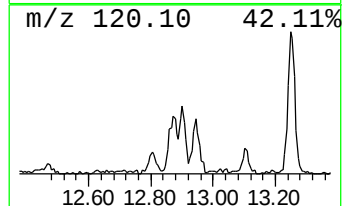
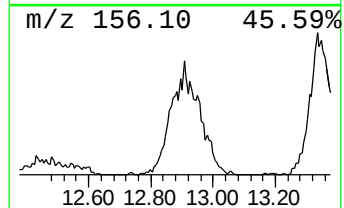
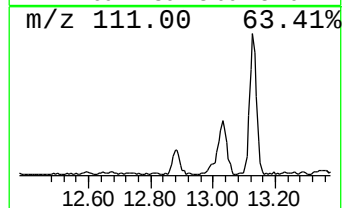
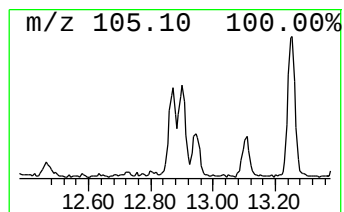
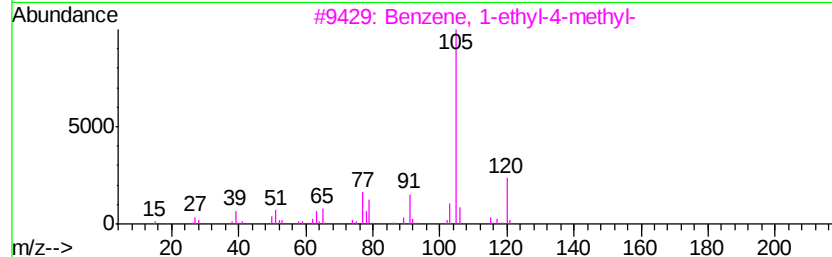
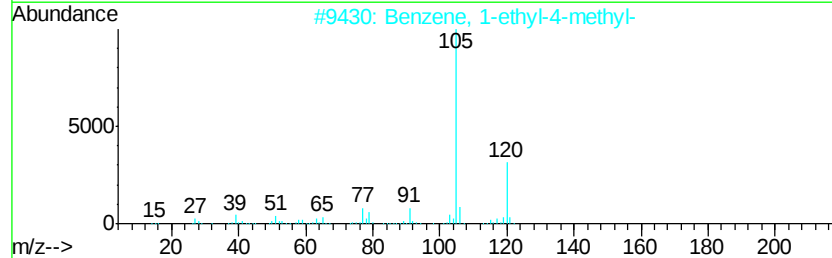
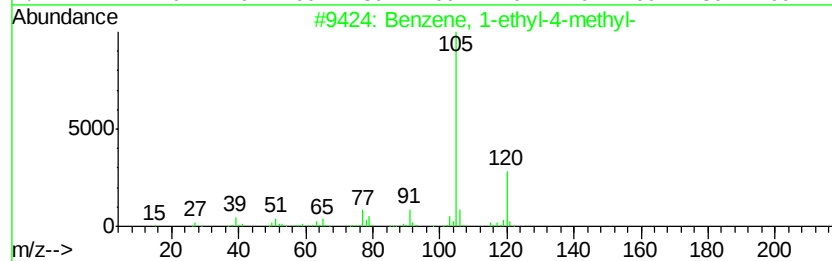
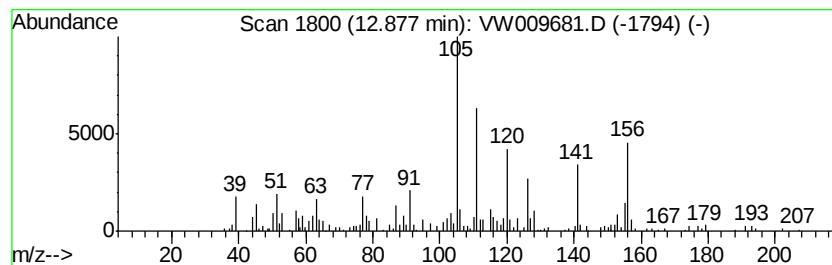
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Quant Title : VOC Analysis

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

Peak Number 5 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	3.09 ug/L	79708	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	30
2		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	30
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	30
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	30
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009681.D
Acq On : 04 Apr 2019 03:11
Operator : SY/VA
Sample : K2188-03
Misc : 3.18G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

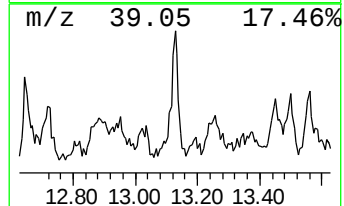
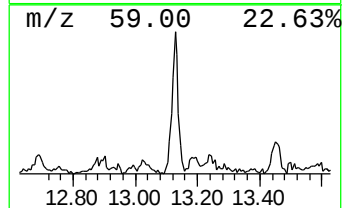
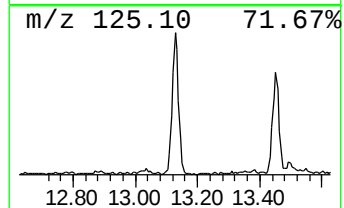
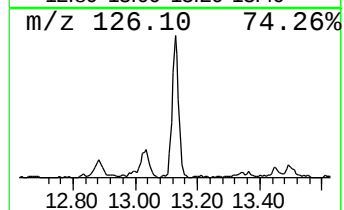
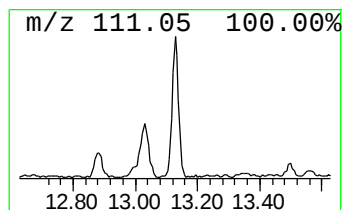
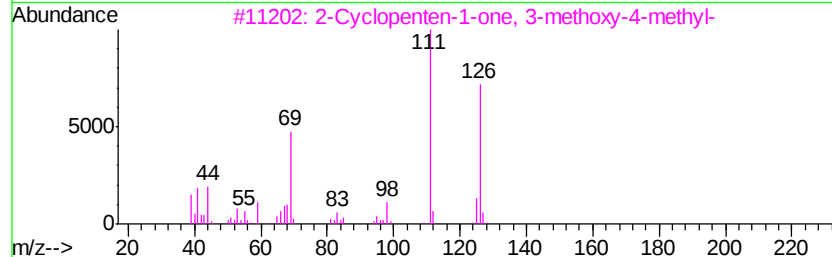
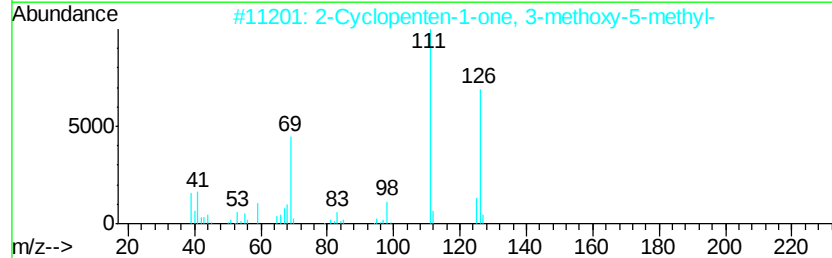
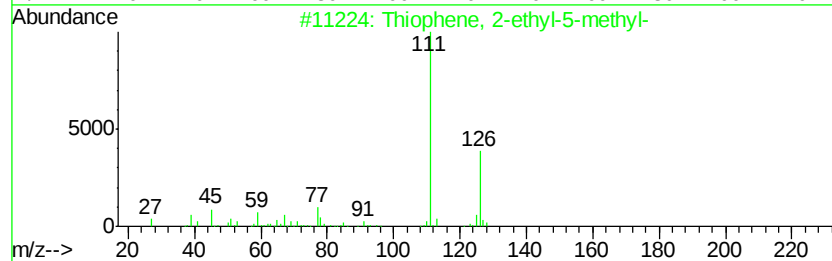
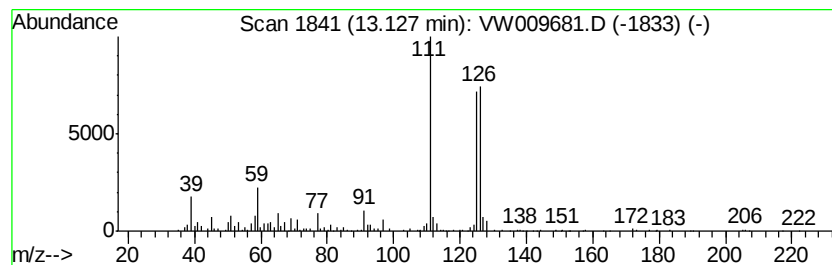
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 6 Thiophene, 2-ethyl-5-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.13	6.76 ug/L	174409	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	64
2	2-Cyclopenten-1-one, 3-methoxy-5...	126	C7H10O2	007180-60-1	59
3	2-Cyclopenten-1-one, 3-methoxy-4...	126	C7H10O2	007180-61-2	59
4	Ethanone, 1-(3-thienyl)-	126	C6H6OS	001468-83-3	58
5	Benzene, 1-fluoro-4-methoxy-	126	C7H7FO	000459-60-9	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009681.D
Acq On : 04 Apr 2019 03:11
Operator : SY/VA
Sample : K2188-03
Misc : 3.18G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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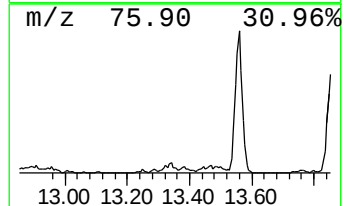
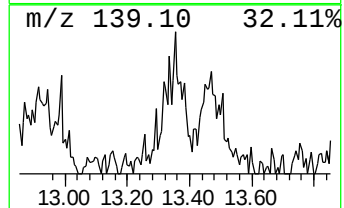
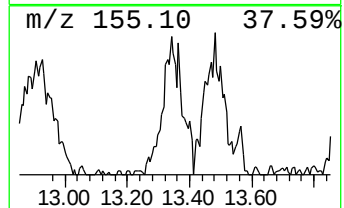
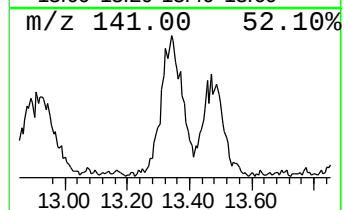
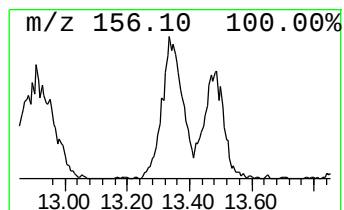
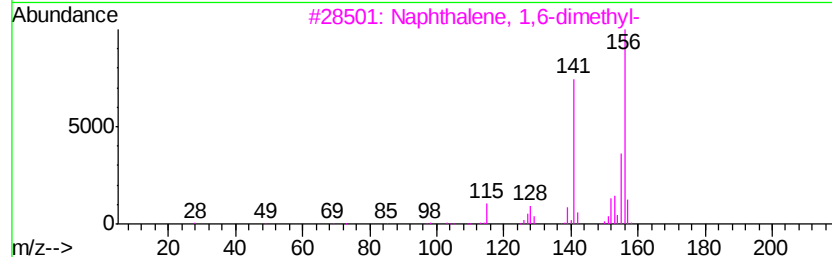
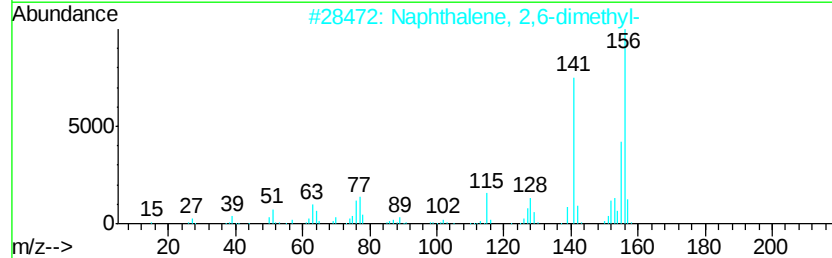
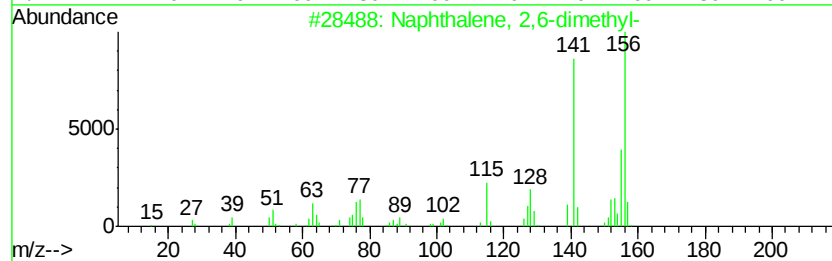
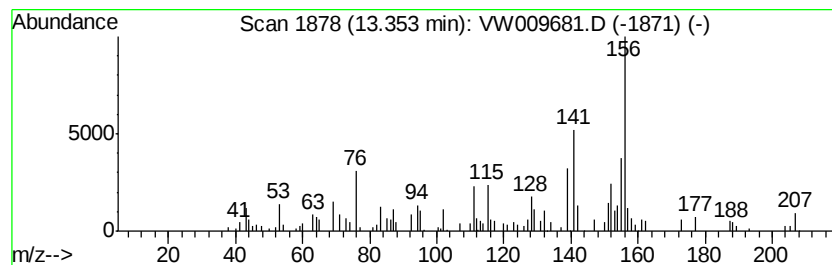
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Quant Title : VOC Analysis

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

Peak Number 8 Naphthalene, 2,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	1.44 ug/L	37258	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	89
2		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	70
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	70
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	70
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009681.D
Acq On : 04 Apr 2019 03:11
Operator : SY/VA
Sample : K2188-03
Misc : 3.18G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

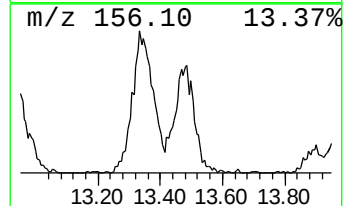
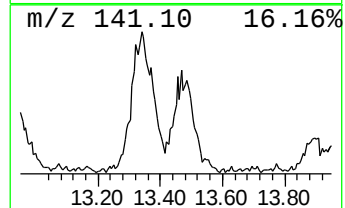
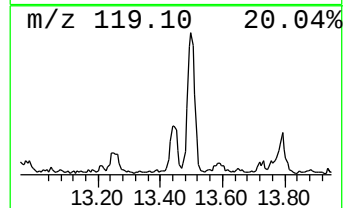
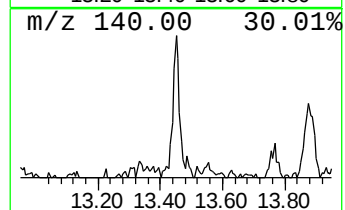
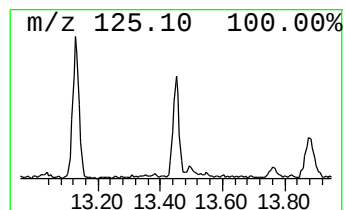
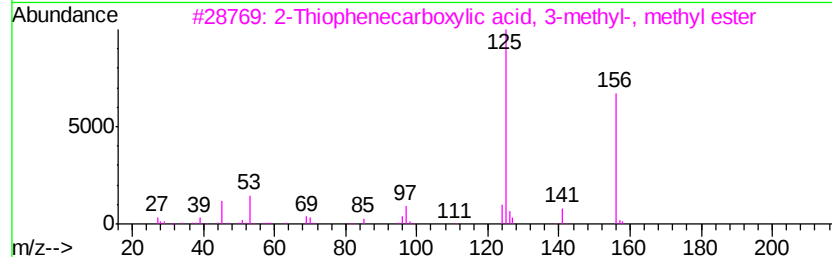
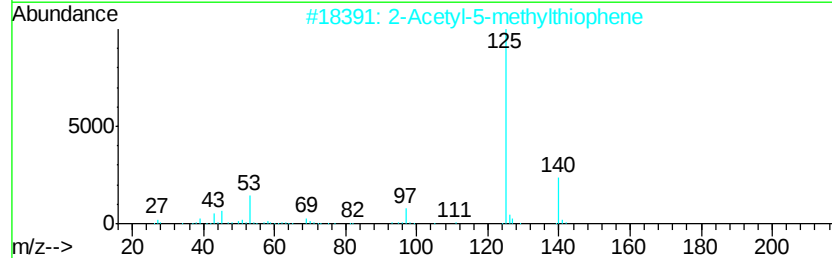
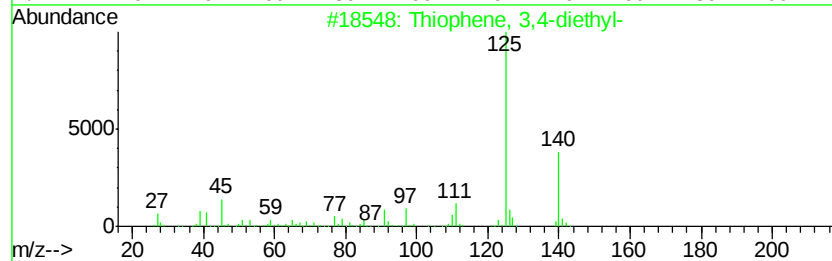
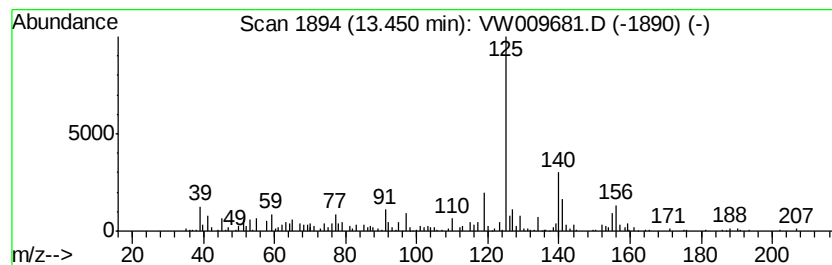
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 9 Thiophene, 3,4-diethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	3.80 ug/L	98090	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Thiophene, 3,4-diethyl-	140 C8H12S	035686-14-7 64
2		2-Acetyl-5-methylthiophene	140 C7H8OS	013679-74-8 50
3		2-Thiophenecarboxylic acid, 3-me...	156 C7H8O2S	081452-54-2 47
4		1H-Pyrazole, 1-(trimethylsilyl)-	140 C6H12N2Si	018156-75-7 47
5		Thiophene, 2-(1,1-dimethylethyl)-	140 C8H12S	001689-78-7 40



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009681.D
Acq On : 04 Apr 2019 03:11
Operator : SY/VA
Sample : K2188-03
Misc : 3.18G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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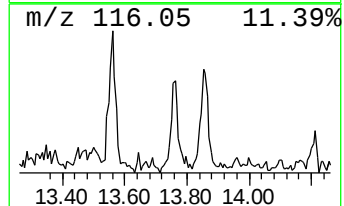
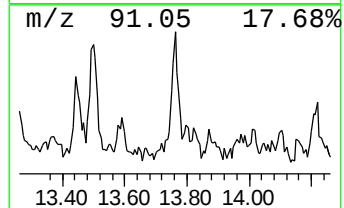
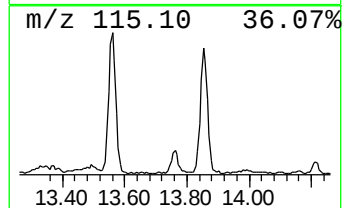
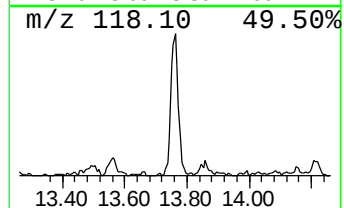
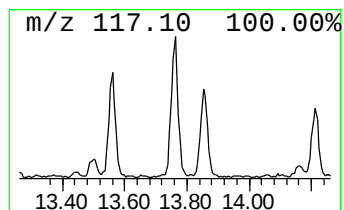
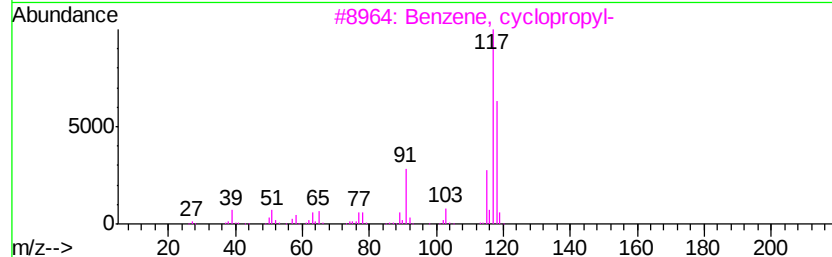
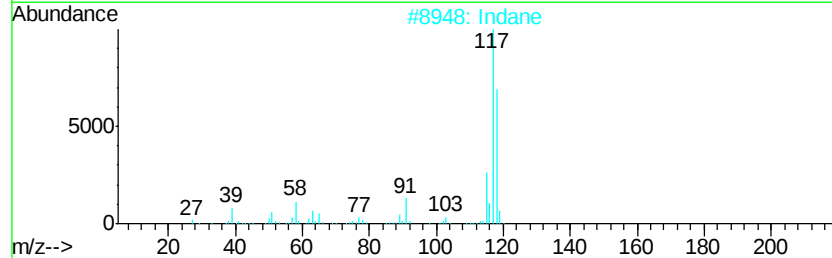
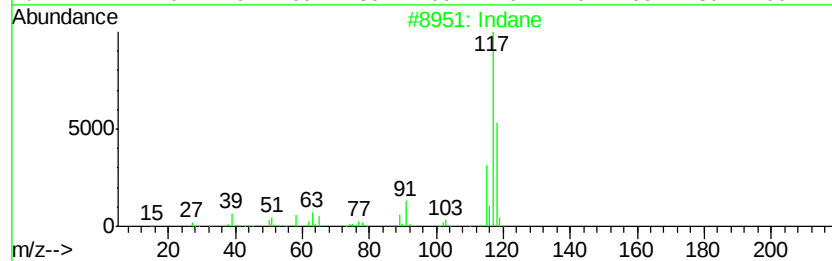
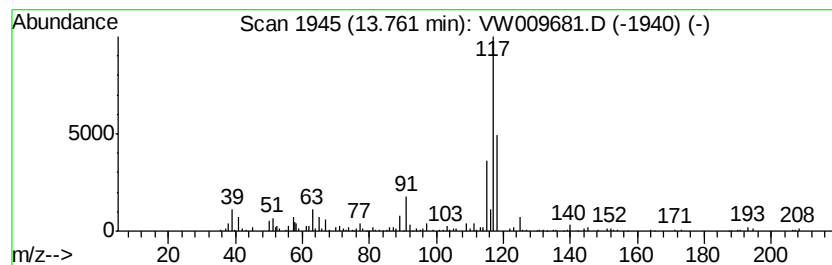
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Quant Title : VOC Analysis

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	4.54 ug/L	117049	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indane	118	C9H10	000496-11-7	76
2		Indane	118	C9H10	000496-11-7	64
3		Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
4		1,3-Methanopentalene, 1,2,3,5-te...	118	C9H10	128600-88-4	59
5		Deltacyclene	118	C9H10	007785-10-6	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009681.D
Acq On : 04 Apr 2019 03:11
Operator : SY/VA
Sample : K2188-03
Misc : 3.18G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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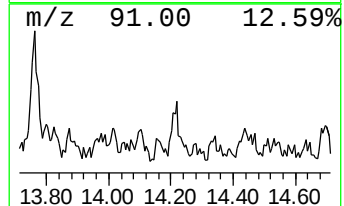
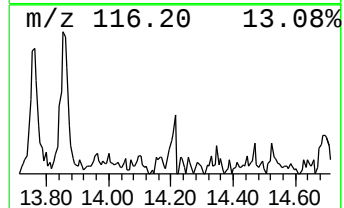
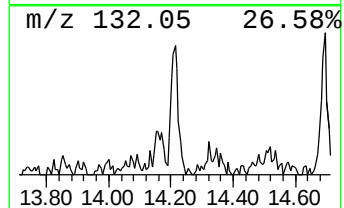
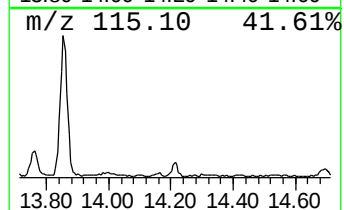
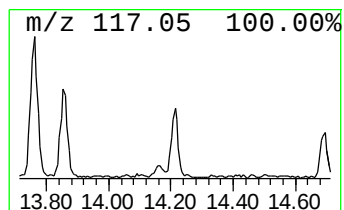
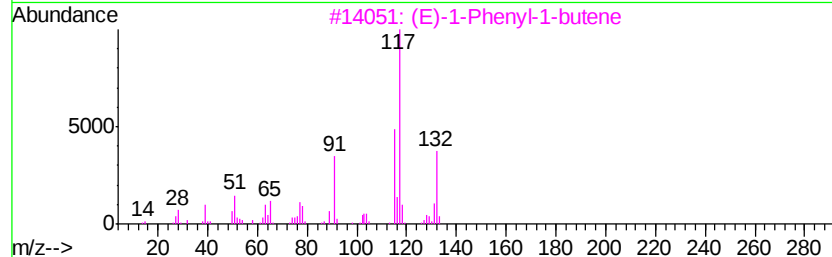
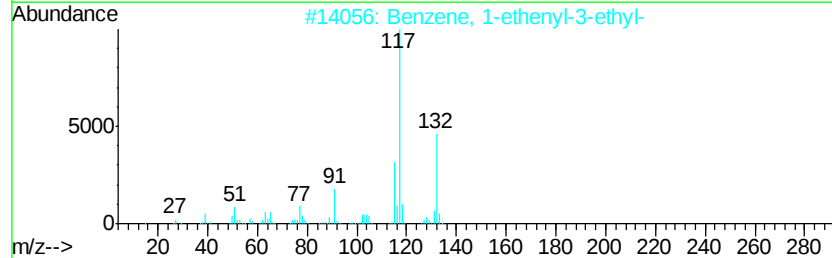
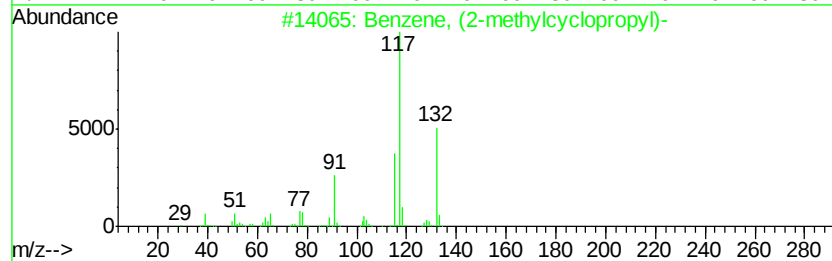
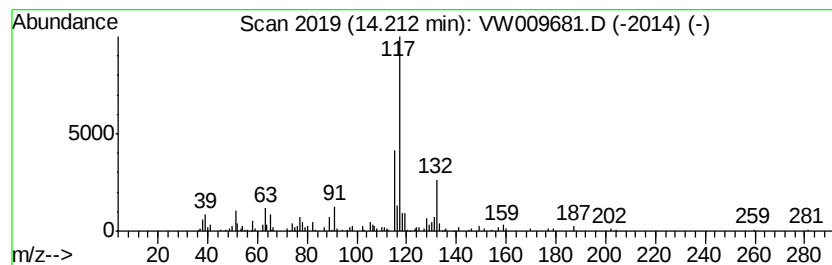
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Quant Title : VOC Analysis

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

Peak Number 12 Benzene, (2-methylcycloprop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	2.97 ug/L	76689	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	64
2		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	62
3		(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	60
4		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	58
5		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009681.D
Acq On : 04 Apr 2019 03:11
Operator : SY/VA
Sample : K2188-03
Misc : 3.18G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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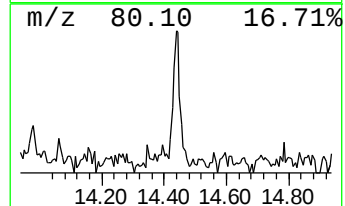
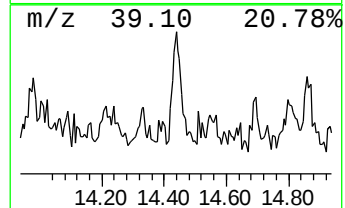
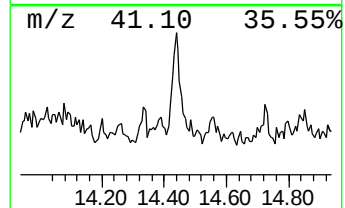
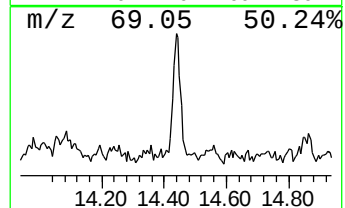
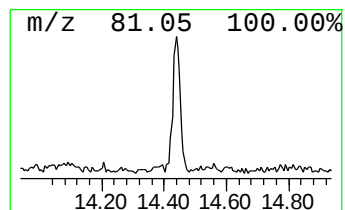
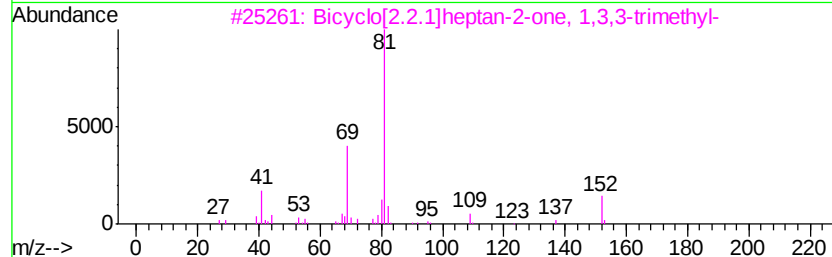
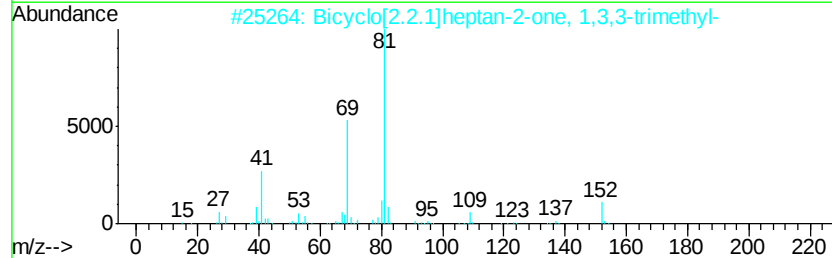
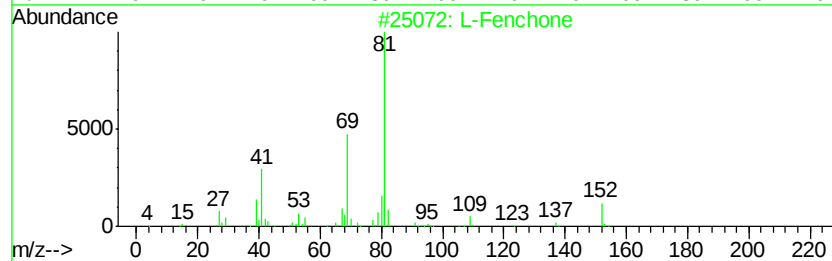
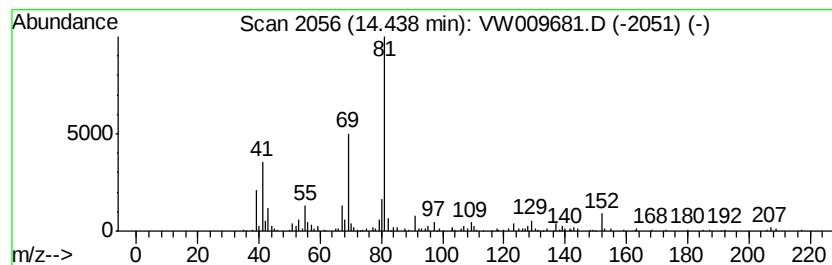
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Quant Title : VOC Analysis

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

Peak Number 13 L-Fenchone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.44	3.17 ug/L	81861	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	L-Fenchone	152	C10H16O	007787-20-4	83
2		Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	80
3		Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	72
4		Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	64
5		1-(4-Methylhexahydrocyclopenta[b...	182	C11H18O2	1000186-82-3	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009681.D
Acq On : 04 Apr 2019 03:11
Operator : SY/VA
Sample : K2188-03
Misc : 3.18G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

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ClientSampleId :
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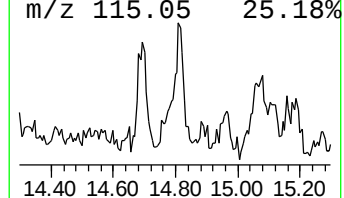
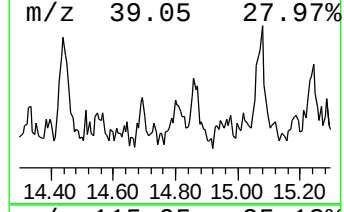
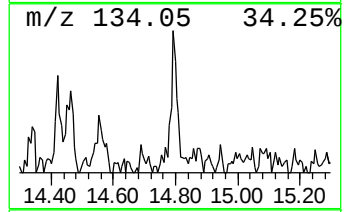
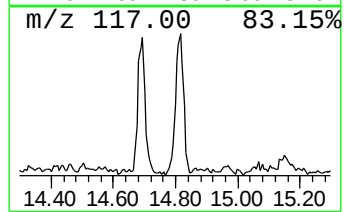
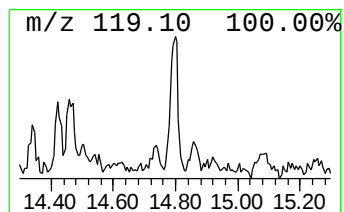
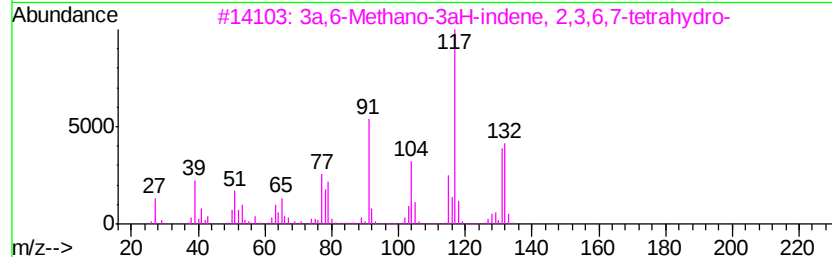
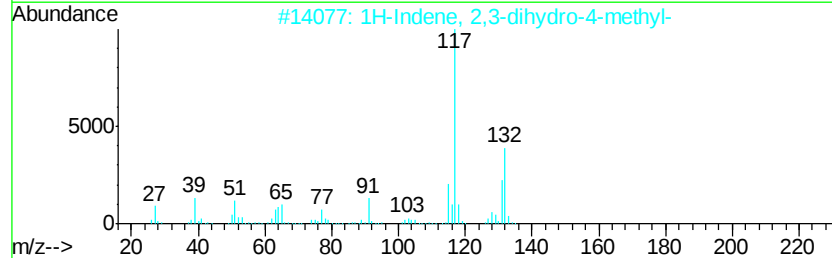
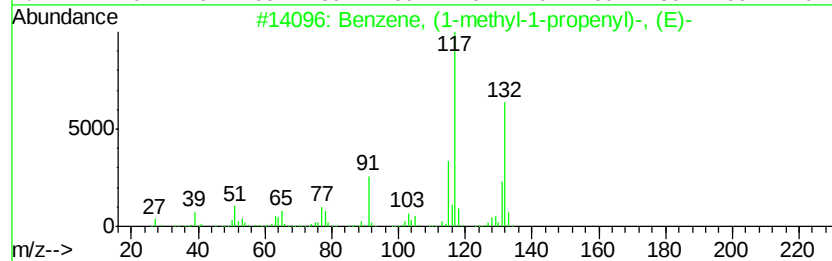
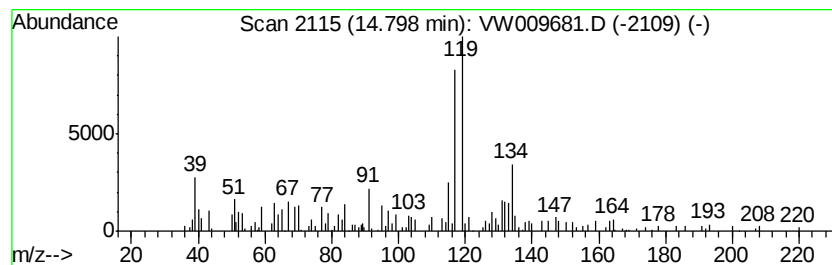
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Quant Title : VOC Analysis

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

Peak Number 14 Benzene, (1-methyl-1-propen... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	2.26 ug/L	58369	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	60
2		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	58
3		3a,6-Methano-3aH-indene, 2,3,6,7...	132	C10H12	098640-29-0	58
4		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	58
5		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009681.D
Acq On : 04 Apr 2019 03:11
Operator : SY/VA
Sample : K2188-03
Misc : 3.18G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF650

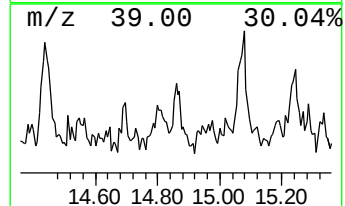
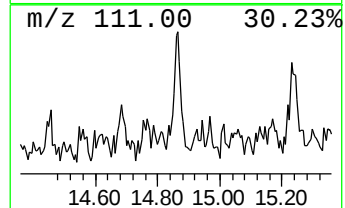
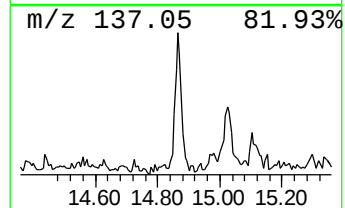
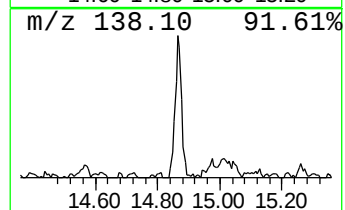
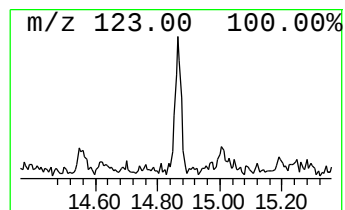
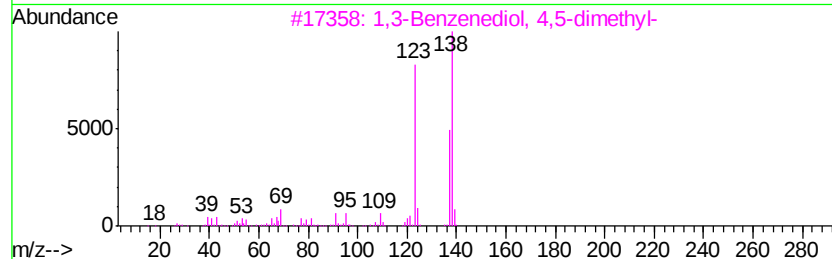
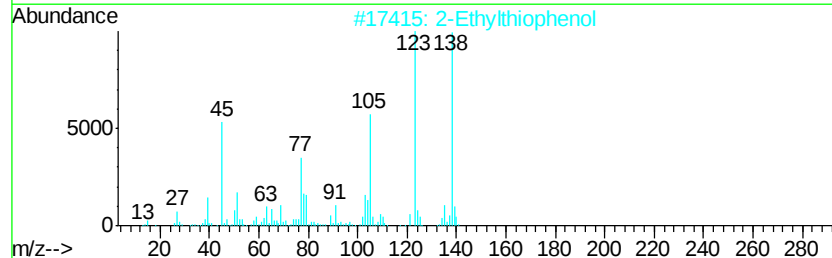
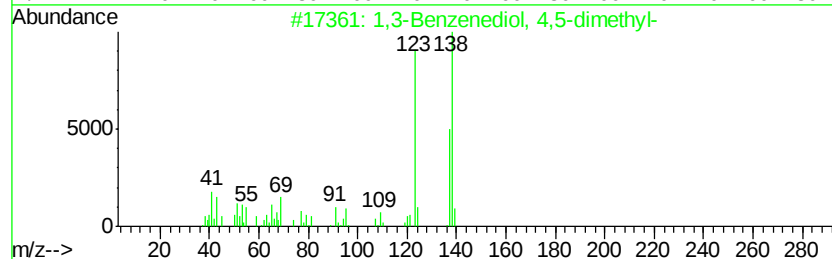
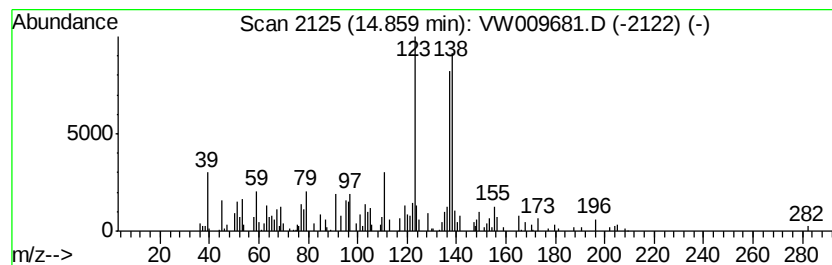
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Quant Title : VOC Analysis

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

Peak Number 15 1,3-Benzenediol, 4,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	2.05 ug/L	52840	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3-Benzenediol, 4,5-dimethyl-	138	C8H10O2	000527-55-9	58
2		2-Ethylthiophenol	138	C8H10S	1000343-65-4	53
3		1,3-Benzenediol, 4,5-dimethyl-	138	C8H10O2	000527-55-9	52
4		Benzaldehyde, 2,4-dihydroxy-	138	C7H6O3	000095-01-2	50
5		Benzene, 2-fluoro-1,3,5-trimethyl-	138	C9H11F	000392-69-8	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009681.D
Acq On : 04 Apr 2019 03:11
Operator : SY/VA
Sample : K2188-03
Misc : 3.18G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
BF650

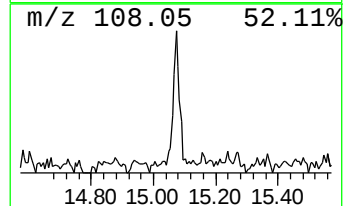
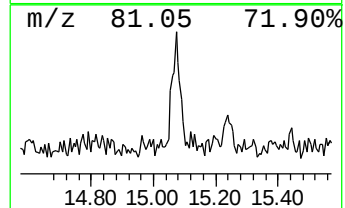
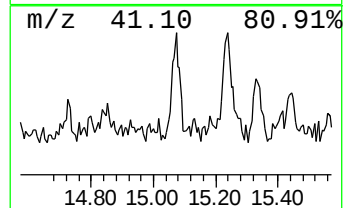
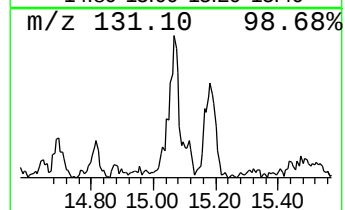
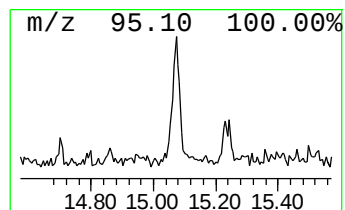
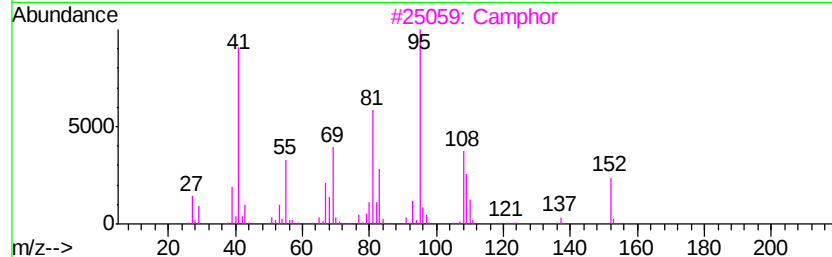
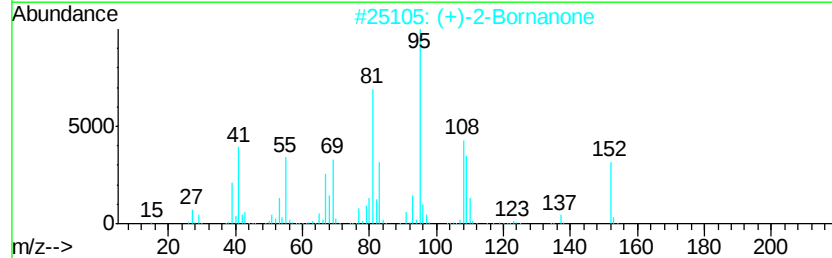
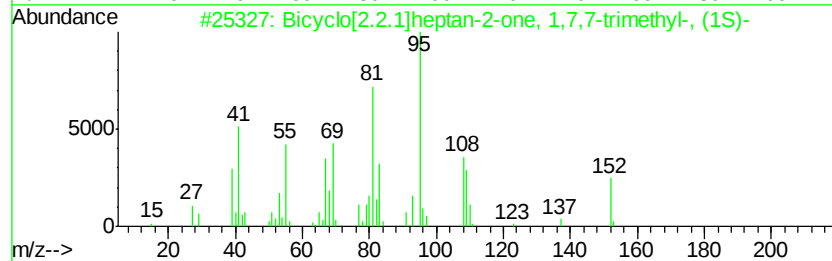
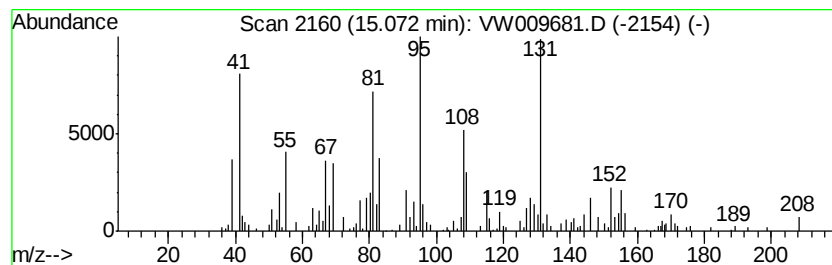
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Quant Title : VOC Analysis

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

Peak Number 16 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	3.59 ug/L	92582	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	91
2		(+)-2-Bornanone	152	C10H16O	000464-49-3	90
3		Camphor	152	C10H16O	000076-22-2	86
4		(+)-2-Bornanone	152	C10H16O	000464-49-3	86
5		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009681.D
Acq On : 04 Apr 2019 03:11
Operator : SY/VA
Sample : K2188-03
Misc : 3.18G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF650

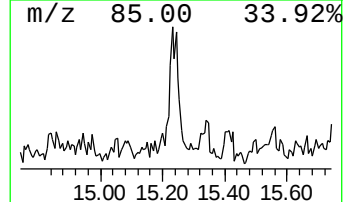
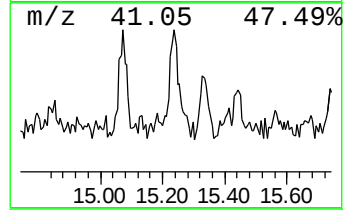
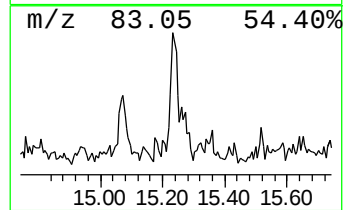
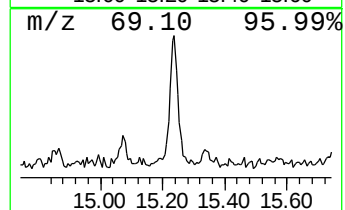
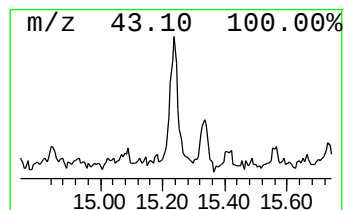
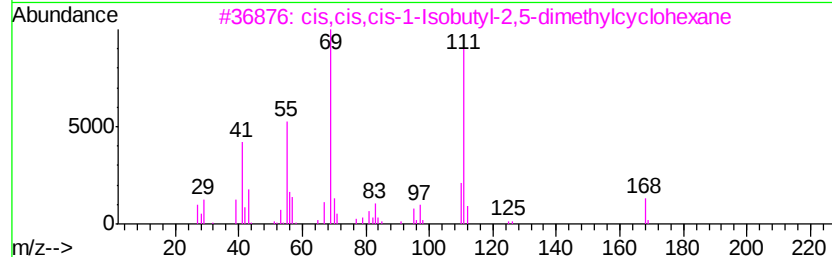
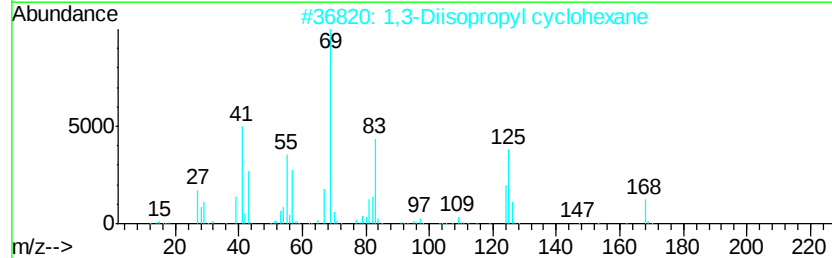
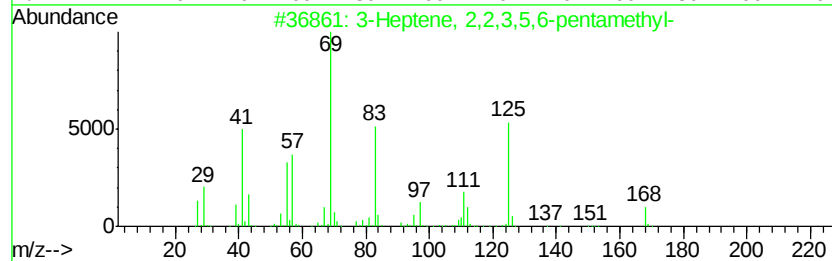
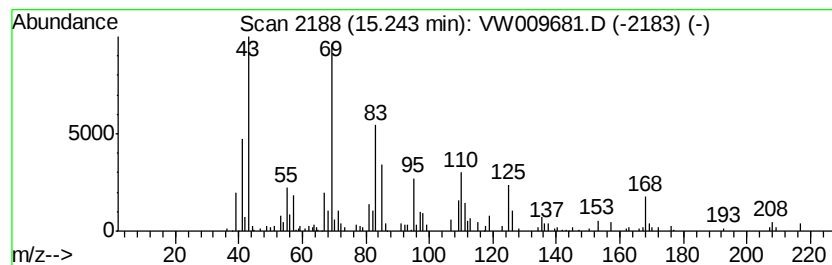
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Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Cyclic15.24 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	2.49 ug/L	64143	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Heptene, 2,2,3,5,6-pentamethyl-	168	C12H24	116164-06-8	58
2		1,3-Diisopropyl cyclohexane	168	C12H24	007045-70-7	50
3		cis,cis,cis-1-Isobutyl-2,5-dimet...	168	C12H24	1000113-60-0	47
4		Cyclohexane, 2-propyl-1,1,3-trim...	168	C12H24	081983-70-2	42
5		4-Hexen-3-one	98	C6H10O	002497-21-4	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009681.D
Acq On : 04 Apr 2019 03:11
Operator : SY/VA
Sample : K2188-03
Misc : 3.18G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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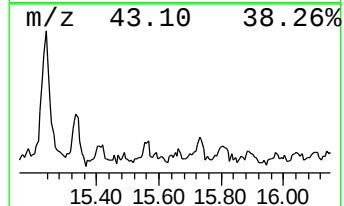
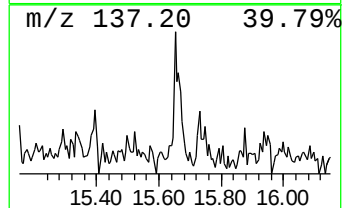
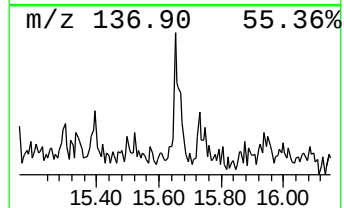
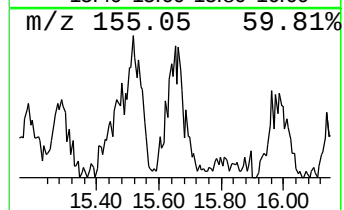
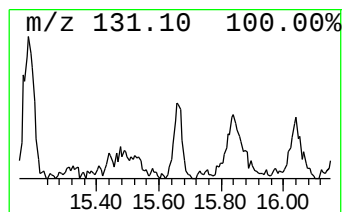
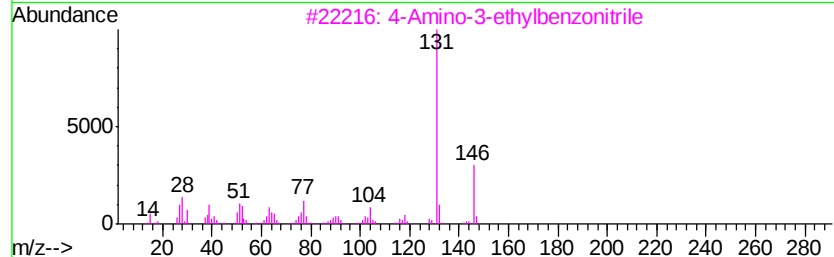
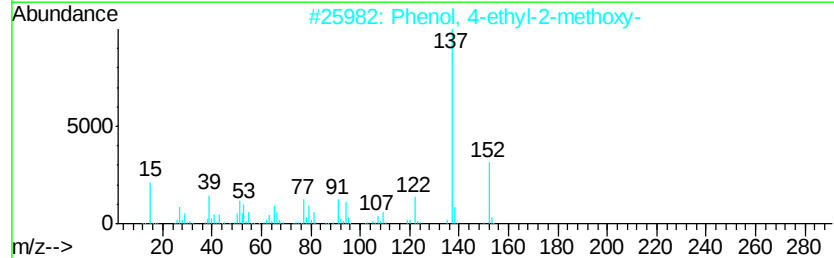
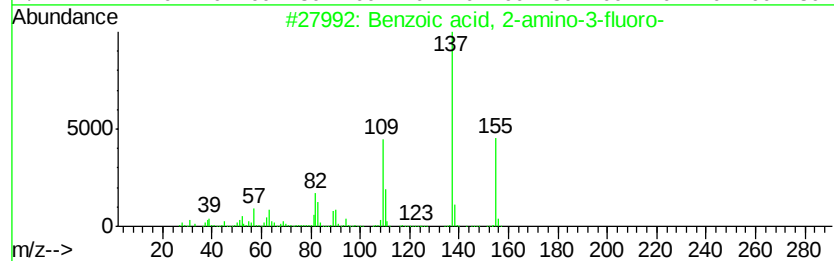
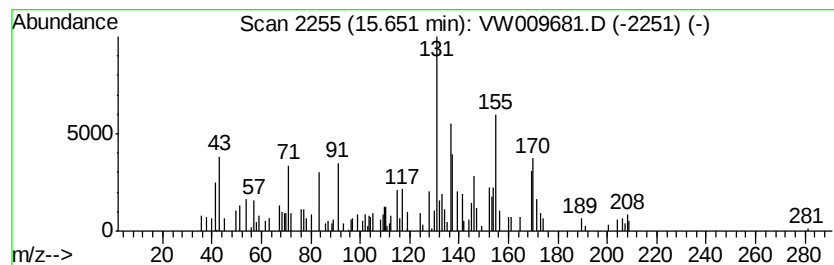
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Quant Title : VOC Analysis

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

Peak Number 18 unknown-02 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	1.43 ug/L	36875	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzoic acid, 2-amino-3-fluoro-	155	C7H6FN02	000825-22-9	27
2			Phenol, 4-ethyl-2-methoxy-	152	C9H12O2	002785-89-9	18
3			4-Amino-3-ethylbenzonitrile	146	C9H10N2	170230-87-2	18
4			.beta.-(2,2-Dimethylcyclopropyl)-	170	C13H14	1000226-03-5	18
5			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	18



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009681.D
Acq On : 04 Apr 2019 03:11
Operator : SY/VA
Sample : K2188-03
Misc : 3.18G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF650

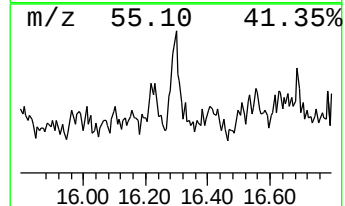
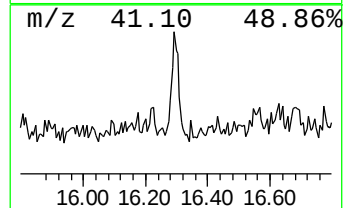
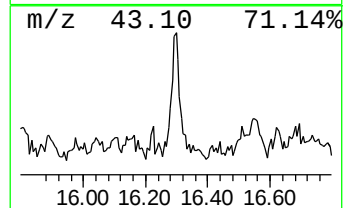
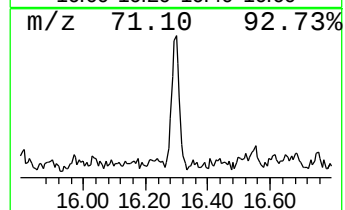
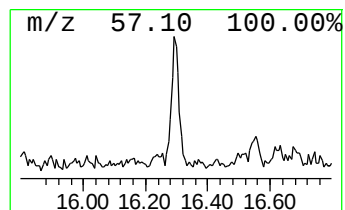
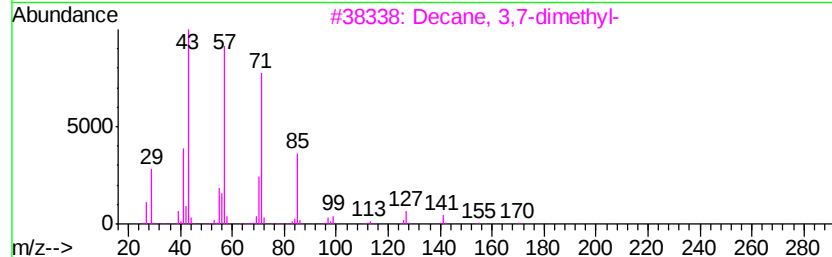
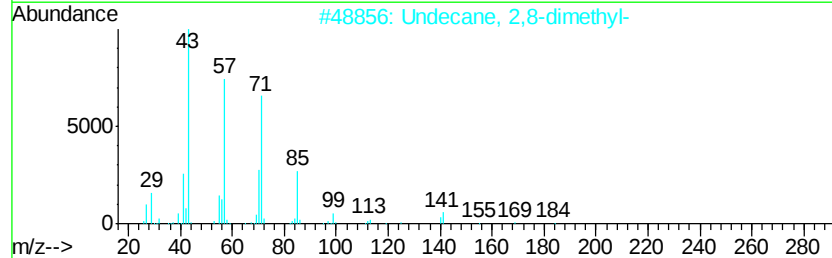
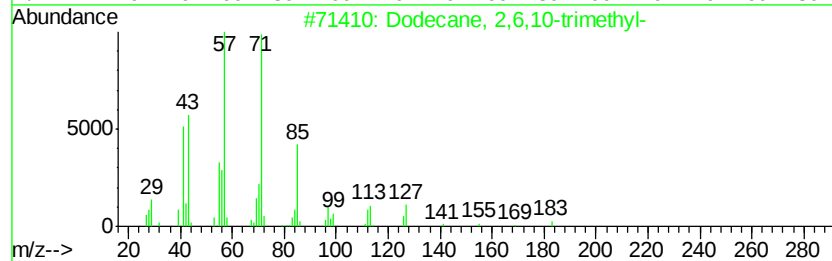
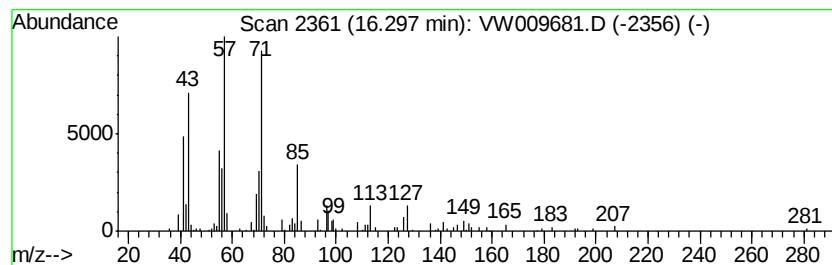
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Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	2.21 ug/L	56989	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
2			Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	59
3			Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	59
4			Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	53
5			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009681.D
Acq On : 04 Apr 2019 03:11
Operator : SY/VA
Sample : K2188-03
Misc : 3.18G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF650

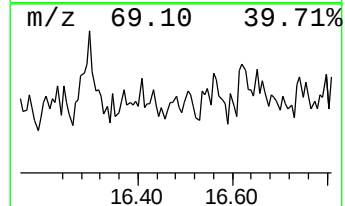
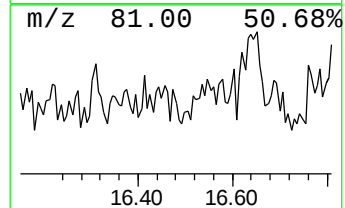
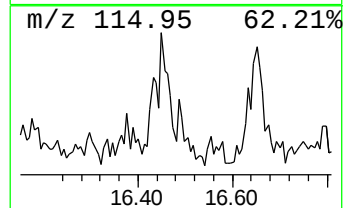
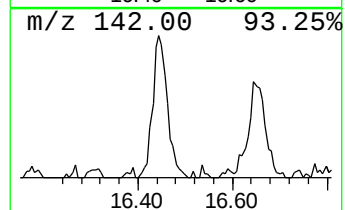
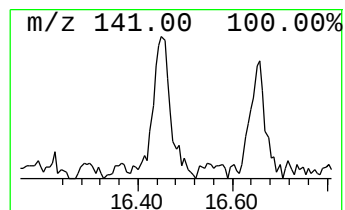
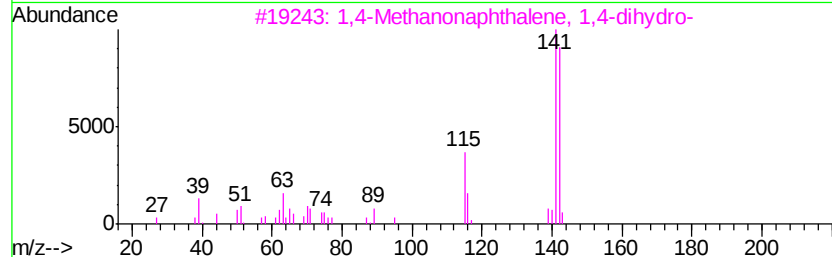
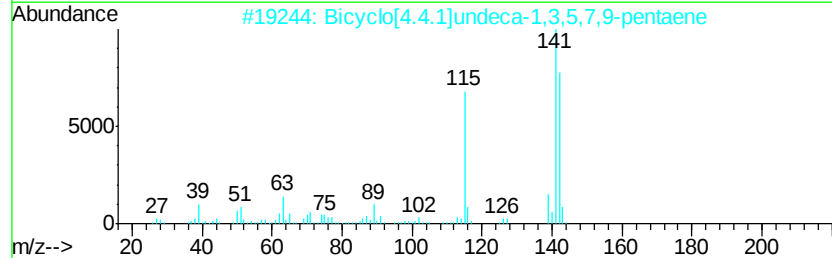
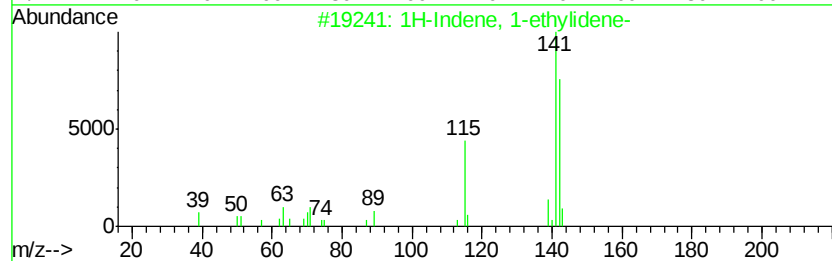
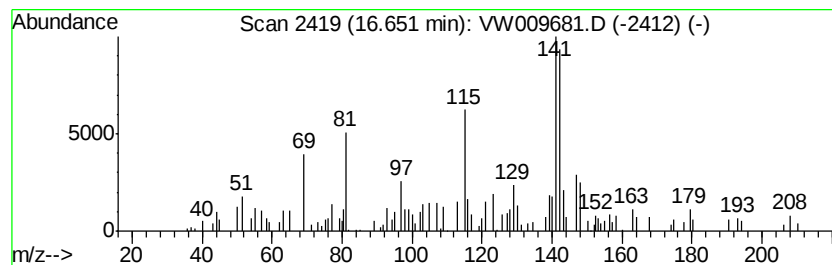
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Quant Title : VOC Analysis

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

Peak Number 20 1H-Indene, 1-ethylidene- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	1.36 ug/L	35156	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	52
2		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	50
3		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	50
4		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	49
5		Benzocycloheptatriene	142	C11H10	000264-09-5	47



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040319\
 Data File : VW009681.D
 Acq On : 04 Apr 2019 03:11
 Operator : SY/VA
 Sample : K2188-03
 Misc : 3.18G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF650

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Thiophene, tetrah...	12.07	1.9	ug/L	90372	2	11.63	1187300	25.0
(DEL) Alkane: Str...	12.57	2.6	ug/L	121382	2	11.63	1187300	25.0
unknown-01	12.88	3.1	ug/L	79708	3	13.56	644684	25.0
Thiophene, 2-ethy...	13.13	6.8	ug/L	174409	3	13.56	644684	25.0
Naphthalene, 2,6-...	13.35	1.4	ug/L	37258	3	13.56	644684	25.0
Thiophene, 3,4-di...	13.45	3.8	ug/L	98090	3	13.56	644684	25.0
Indane	13.76	4.5	ug/L	117049	3	13.56	644684	25.0
Benzene, (2-methy...	14.21	3.0	ug/L	76689	3	13.56	644684	25.0
L-Fenchone	14.44	3.2	ug/L	81861	3	13.56	644684	25.0
Benzene, (1-methy...	14.80	2.3	ug/L	58369	3	13.56	644684	25.0
1,3-Benzenediol, ...	14.86	2.0	ug/L	52840	3	13.56	644684	25.0
Bicyclo[2.2.1]hep...	15.07	3.6	ug/L	92582	3	13.56	644684	25.0
(DEL) Alkane: Cyc...	15.24	2.5	ug/L	64143	3	13.56	644684	25.0
unknown-02	15.65	1.4	ug/L	36875	3	13.56	644684	25.0
(DEL) Alkane: Str...	16.30	2.2	ug/L	56989	3	13.56	644684	25.0
1H-Indene, 1-ethy...	16.65	1.4	ug/L	35156	3	13.56	644684	25.0