

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031419\
 Data File : VW009180.D
 Acq On : 14 Mar 2019 20:09
 Operator : SY/VA
 Sample : K1794-13RE
 Misc : 4.21G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF5N2RE

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\SOM2WLM031419S.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	2.154	39	41	48	rVB3	12742	19521	0.70%	0.125%
2	2.361	69	75	88	rBV	100209	252435	9.09%	1.616%
3	2.892	155	162	178	rBV	105250	288271	10.38%	1.845%
4	3.855	316	320	321	rBV3	2417	2795	0.10%	0.018%
5	4.019	332	347	361	rBV	184834	627763	22.60%	4.018%
6	4.202	368	377	386	rBV2	57864	167438	6.03%	1.072%
7	4.660	448	452	455	rBV5	2032	3318	0.12%	0.021%
8	4.714	460	461	466	rVB4	1487	1903	0.07%	0.012%
9	4.916	482	494	510	rBV3	24651	104823	3.77%	0.671%
10	5.257	546	550	553	rBV5	915	1381	0.05%	0.009%
11	5.361	563	567	570	rBV5	897	1427	0.05%	0.009%
12	5.519	589	593	596	rBV4	1179	1890	0.07%	0.012%
13	5.739	627	629	631	rBV3	1345	1424	0.05%	0.009%
14	5.769	631	634	637	rVV4	1904	2635	0.09%	0.017%
15	5.800	637	639	645	rVB5	1097	1512	0.05%	0.010%
16	5.928	649	660	669	rBV6	12022	38054	1.37%	0.244%
17	6.336	726	727	732	rVB4	1203	1610	0.06%	0.010%
18	6.379	732	734	738	rBV3	1728	2061	0.07%	0.013%
19	6.592	767	769	772	rBV4	1098	1489	0.05%	0.010%
20	6.940	825	826	830	rBV3	1626	1471	0.05%	0.009%
21	6.970	830	831	834	rBV2	1429	1489	0.05%	0.010%
22	7.080	841	849	854	rBV2	39063	110998	4.00%	0.710%
23	7.421	903	905	908	rBV4	1251	1560	0.06%	0.010%
24	7.452	908	910	914	rVB4	1639	1716	0.06%	0.011%
25	7.647	931	942	954	rBV	295741	693273	24.96%	4.437%
26	7.763	958	961	964	rVV4	1285	1518	0.05%	0.010%
27	7.799	964	967	972	rVB4	2078	3404	0.12%	0.022%
28	7.860	972	977	979	rBV5	2247	4320	0.16%	0.028%
29	7.921	983	987	988	rBV3	1394	1747	0.06%	0.011%
30	8.110	1016	1018	1022	rVB3	1854	2001	0.07%	0.013%
31	8.147	1022	1024	1026	rBV2	1740	1756	0.06%	0.011%
32	8.275	1033	1045	1062	rBV2	530248	1609143	57.94%	10.299%
33	8.403	1065	1066	1070	rVB3	1994	2105	0.08%	0.013%
34	8.452	1070	1074	1076	rBV3	1398	1985	0.07%	0.013%

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Integration Parameters: LSCINT.P

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35	8.634	1103	1104	1108	rVB3	1871	1380	0.05%	0.009%
36	8.677	1108	1111	1112	rBV3	1928	2089	0.08%	0.013%
37	8.842	1129	1138	1146	rBV	462724	919987	33.13%	5.888%
38	9.086	1176	1178	1182	rVB4	1423	1697	0.06%	0.011%
39	9.195	1193	1196	1197	rBV3	1378	1564	0.06%	0.010%
40	9.275	1200	1209	1219	rBV	361418	739165	26.61%	4.731%
41	9.549	1253	1254	1259	rVB5	1506	1962	0.07%	0.013%
42	9.592	1259	1261	1264	rBV3	1726	1996	0.07%	0.013%
43	10.037	1323	1334	1341	rBV	110490	204934	7.38%	1.312%
44	10.128	1345	1349	1355	rBV7	3882	6595	0.24%	0.042%
45	10.213	1358	1363	1365	rBV4	2087	2887	0.10%	0.018%
46	10.323	1370	1381	1388	rBV	666708	1165383	41.96%	7.459%
47	10.390	1388	1392	1398	rVB3	4244	7750	0.28%	0.050%
48	10.488	1405	1408	1412	rVB5	1526	1784	0.06%	0.011%
49	10.573	1417	1422	1429	rVV	80222	141782	5.11%	0.907%
50	10.707	1437	1444	1450	rVB2	20065	36817	1.33%	0.236%
51	10.927	1473	1480	1492	rBV3	140630	304455	10.96%	1.949%
52	11.012	1492	1494	1497	rVV3	2141	2343	0.08%	0.015%
53	11.067	1497	1503	1513	rVV	59194	111074	4.00%	0.711%
54	11.347	1547	1549	1553	rVV5	1331	1878	0.07%	0.012%
55	11.445	1560	1565	1569	rVB2	9654	15535	0.56%	0.099%
56	11.555	1581	1583	1586	rVB4	1456	1471	0.05%	0.009%
57	11.634	1588	1596	1605	rVV	546404	949505	34.19%	6.077%
58	11.731	1605	1612	1619	rVB2	128942	227885	8.21%	1.459%
59	11.847	1626	1631	1633	rBV5	3281	6101	0.22%	0.039%
60	12.024	1659	1660	1663	rVB2	1870	1743	0.06%	0.011%
61	12.164	1680	1683	1685	rBV4	2112	2978	0.11%	0.019%
62	12.244	1691	1696	1703	rVB6	3263	6787	0.24%	0.043%
63	12.372	1705	1717	1725	rBV2	51332	110060	3.96%	0.704%
64	12.469	1725	1733	1742	rBV	730143	1209254	43.54%	7.740%
65	12.609	1751	1756	1763	rVB	26963	48062	1.73%	0.308%
66	12.719	1763	1774	1784	rBV2	1451590	2777250	100.00%	17.776%
67	12.841	1793	1794	1798	rBV3	1399	1404	0.05%	0.009%
68	12.939	1804	1810	1817	rBV2	36844	65331	2.35%	0.418%
69	13.030	1817	1825	1833	rBV	502959	831275	29.93%	5.321%
70	13.213	1851	1855	1860	rVV8	5385	8587	0.31%	0.055%
71	13.249	1860	1861	1863	rVV2	3091	2694	0.10%	0.017%

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72	13.292	1865	1868	1877	rVB6	9417	18984	0.68%	0.122%
73	13.390	1877	1884	1885	rBV5	6095	11940	0.43%	0.076%
74	13.414	1885	1888	1892	rVV5	10041	17154	0.62%	0.110%
75	13.475	1892	1898	1906	rVV3	65242	141552	5.10%	0.906%
76	13.560	1906	1912	1923	rVB	367847	608308	21.90%	3.893%
77	13.719	1934	1938	1941	rBV6	3456	4192	0.15%	0.027%
78	13.853	1952	1960	1968	rBV	329421	535910	19.30%	3.430%
79	14.005	1980	1985	1989	rBV8	2963	5820	0.21%	0.037%
80	14.072	1990	1996	2002	rVB	9579	17724	0.64%	0.113%
81	14.164	2006	2011	2012	rBV5	2728	4024	0.14%	0.026%
82	14.274	2023	2029	2034	rBV9	5220	11367	0.41%	0.073%
83	14.310	2034	2035	2037	rBV2	1554	1511	0.05%	0.010%
84	14.432	2053	2055	2058	rVV3	1706	2412	0.09%	0.015%
85	14.469	2060	2061	2065	rVB4	2244	2137	0.08%	0.014%
86	14.615	2082	2085	2086	rBV2	1274	1381	0.05%	0.009%
87	14.670	2092	2094	2096	rBV3	1846	1657	0.06%	0.011%
88	14.700	2096	2099	2102	rVV5	3007	4026	0.14%	0.026%
89	14.737	2102	2105	2111	rVV8	2920	6000	0.22%	0.038%
90	14.822	2117	2119	2124	rBV5	1193	2070	0.07%	0.013%
91	15.072	2154	2160	2167	rBV	170712	305511	11.00%	1.955%
92	15.200	2179	2181	2186	rVB5	2309	3260	0.12%	0.021%
93	15.450	2217	2222	2226	rVB5	4805	7524	0.27%	0.048%
94	15.499	2228	2230	2236	rVB5	2155	2661	0.10%	0.017%
95	15.737	2263	2269	2274	rBV8	6821	12984	0.47%	0.083%
96	15.810	2278	2281	2283	rVB4	1881	2072	0.07%	0.013%
97	15.956	2302	2305	2306	rBV3	1261	1381	0.05%	0.009%
98	16.151	2334	2337	2342	rVB6	1497	2805	0.10%	0.018%
99	16.200	2342	2345	2346	rBV3	1887	1814	0.07%	0.012%
100	16.377	2371	2374	2377	rBV4	1381	2017	0.07%	0.013%

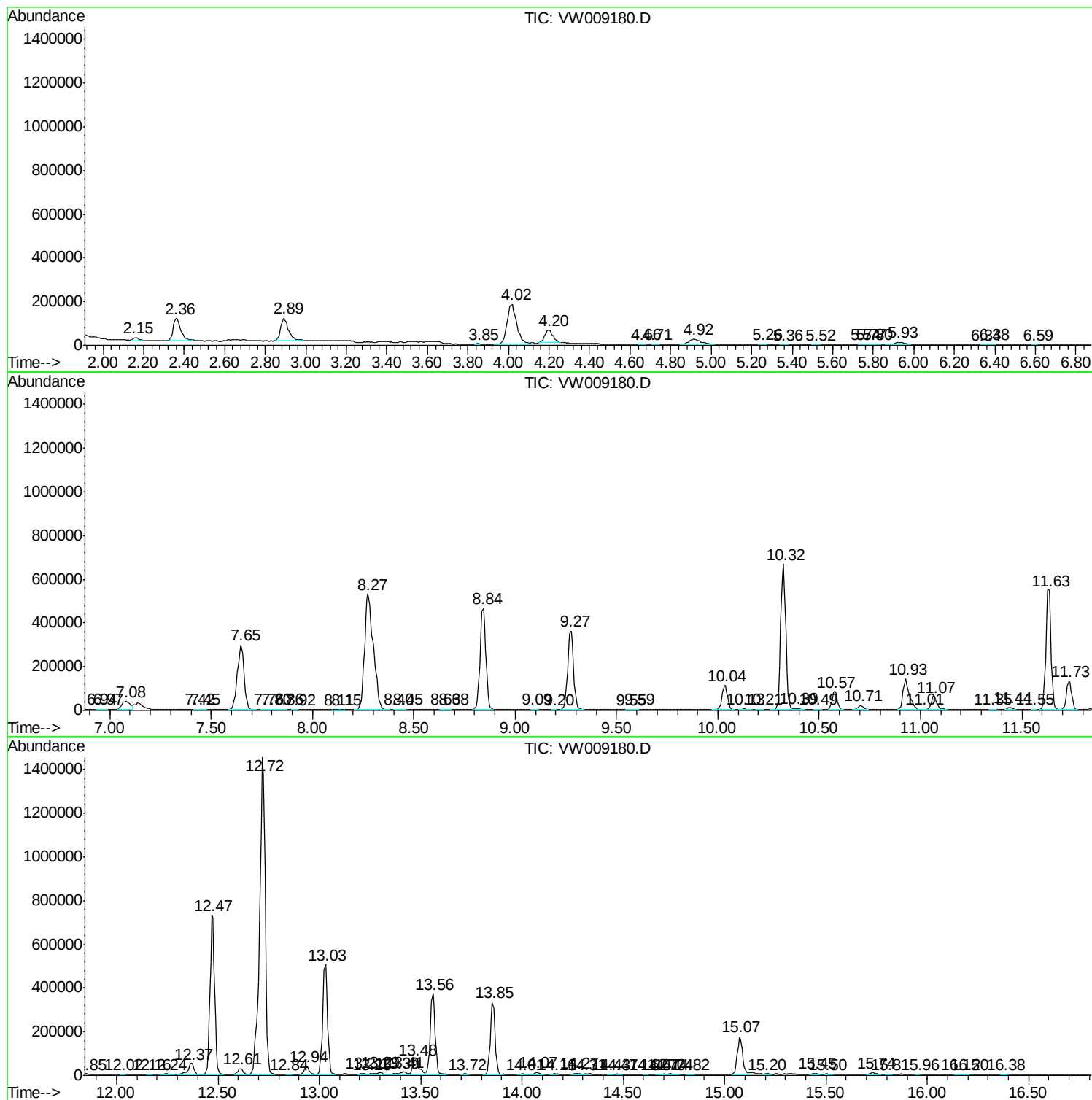
Sum of corrected areas: 15623878

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Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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



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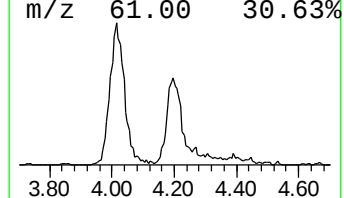
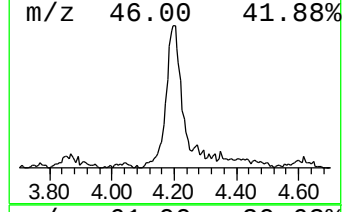
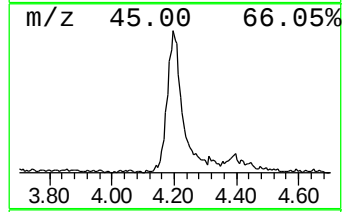
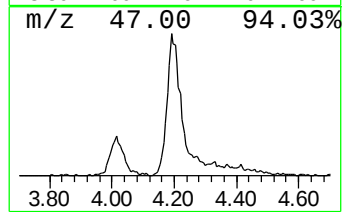
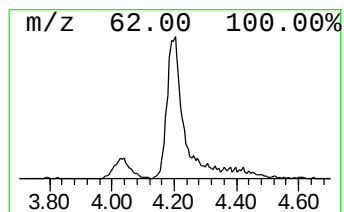
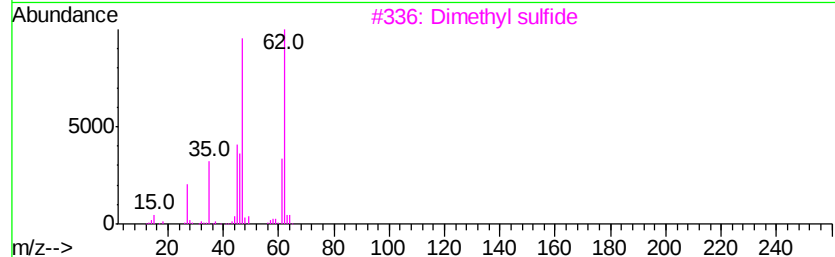
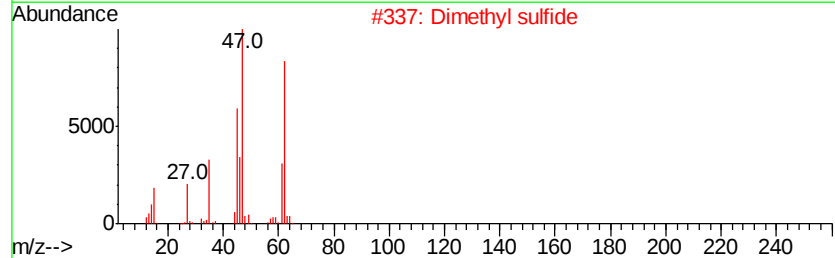
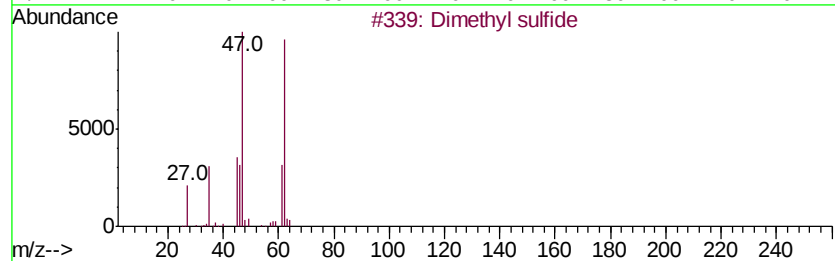
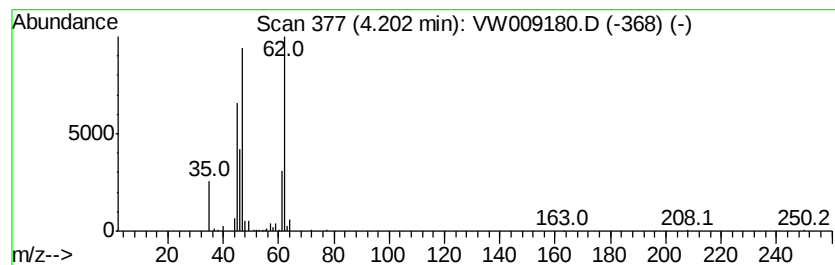
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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

Peak Number 1 Dimethyl sulfide Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.20	4.55 ug/L	167438	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dimethyl sulfide	62	C2H6S	000075-18-3	91
2		Dimethyl sulfide	62	C2H6S	000075-18-3	91
3		Dimethyl sulfide	62	C2H6S	000075-18-3	91
4		Dimethyl sulfide	62	C2H6S	000075-18-3	91
5		Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	64



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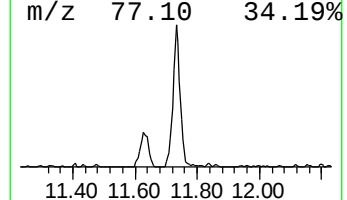
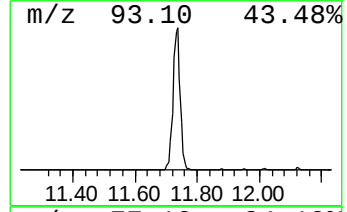
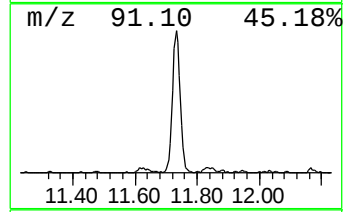
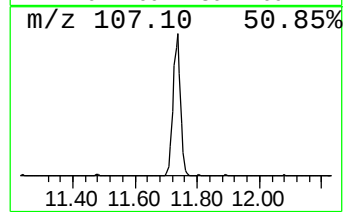
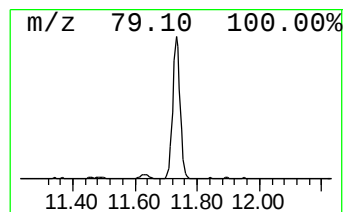
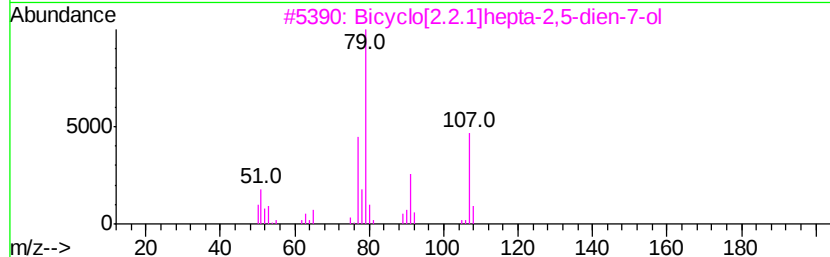
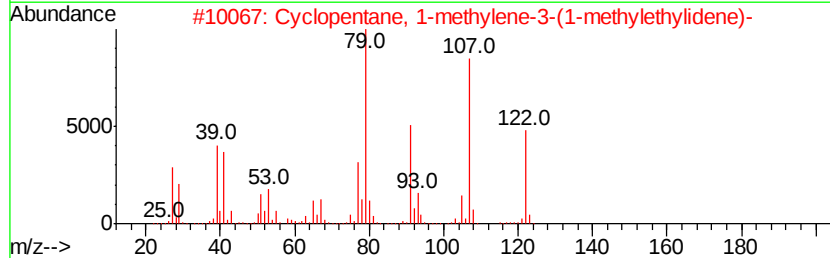
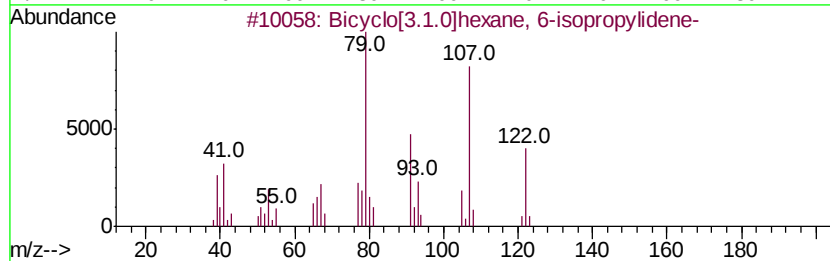
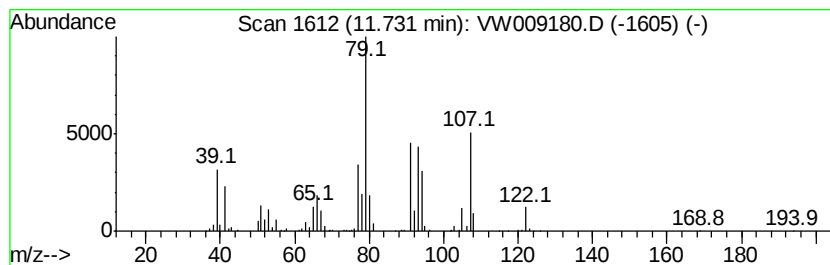
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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

Peak Number 4 Bicyclo[3.1.0]hexane, 6-iso... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	6.00 ug/L	227885	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Bicyclo[3.1.0]hexane, 6-isopropyl...	122	C9H14	024524-58-1	74
2		Cyclopentane, 1-methylene-3-(1-m...	122	C9H14	073913-74-3	68
3		Bicyclo[2.2.1]hepta-2,5-dien-7-ol	108	C7H8O	000822-80-0	52
4		2-Methylenebicyclo[2.1.1]hexane	94	C7H10	005164-65-8	49
5		Tricyclo[4.1.0.0(2,7)]heptane	94	C7H10	000287-13-8	49



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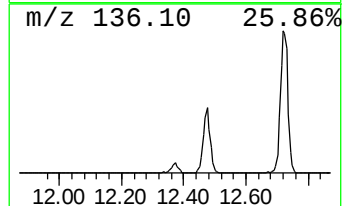
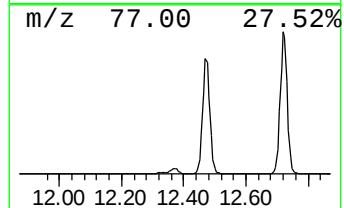
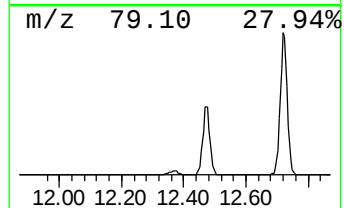
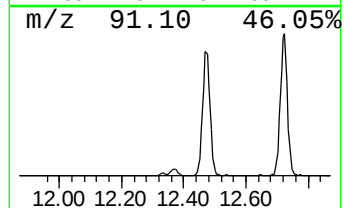
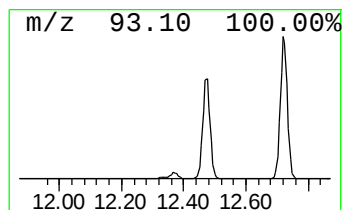
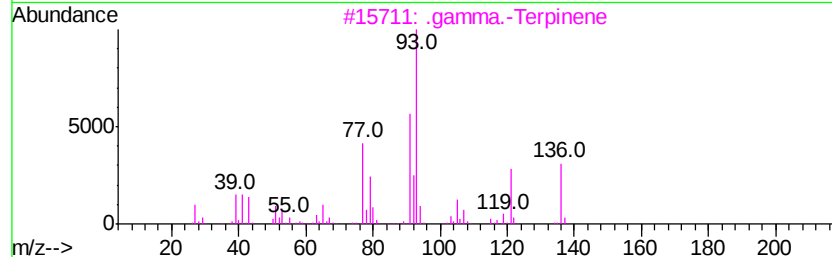
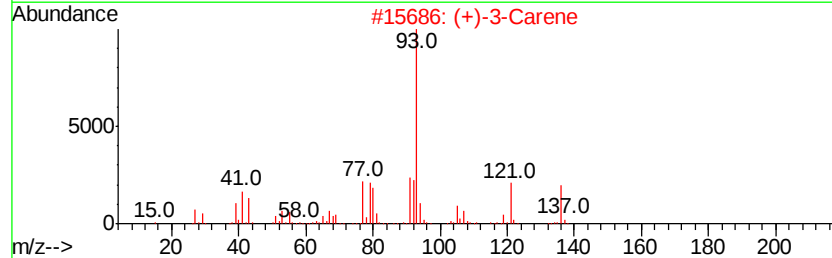
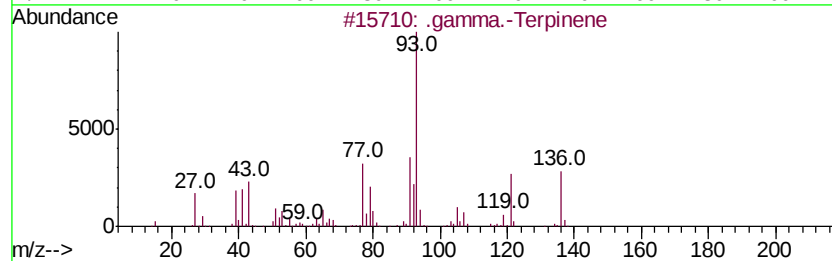
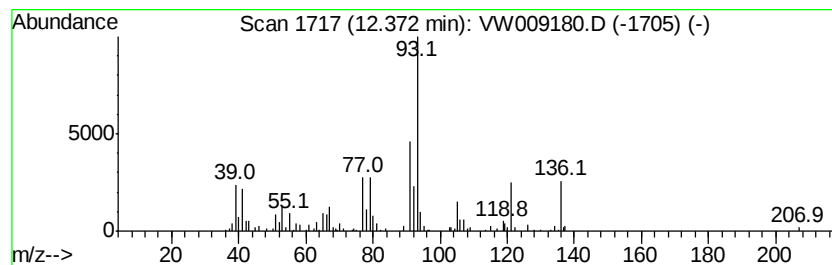
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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

Peak Number 5 .gamma.-Terpinene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	2.90 ug/L	110060	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		.gamma.-Terpinene	136	C10H16	000099-85-4	93
2		(+)-3-Carene	136	C10H16	000498-15-7	91
3		.gamma.-Terpinene	136	C10H16	000099-85-4	91
4		.gamma.-Terpinene	136	C10H16	000099-85-4	90
5		3-Carene	136	C10H16	013466-78-9	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031419\
Data File : VW009180.D
Acq On : 14 Mar 2019 20:09
Operator : SY/VA
Sample : K1794-13RE
Misc : 4.21G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5N2RE

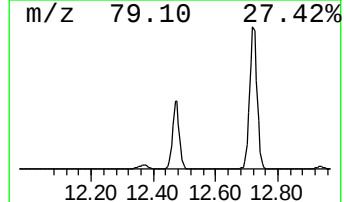
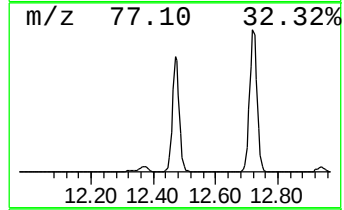
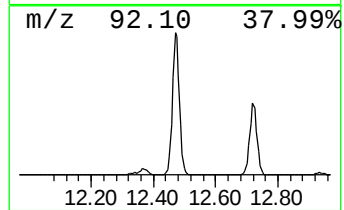
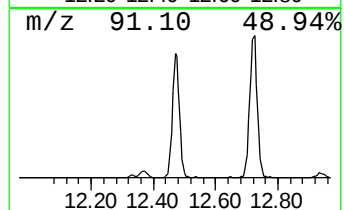
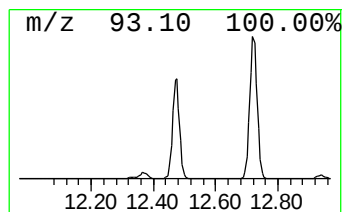
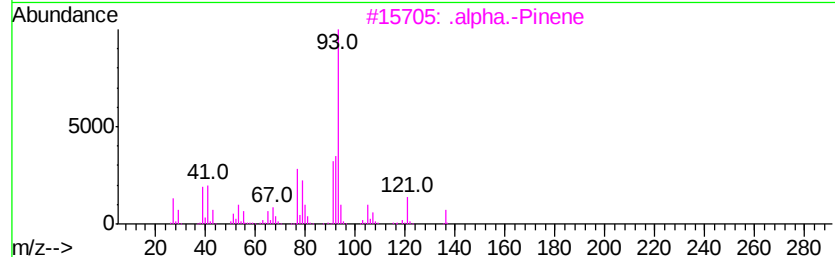
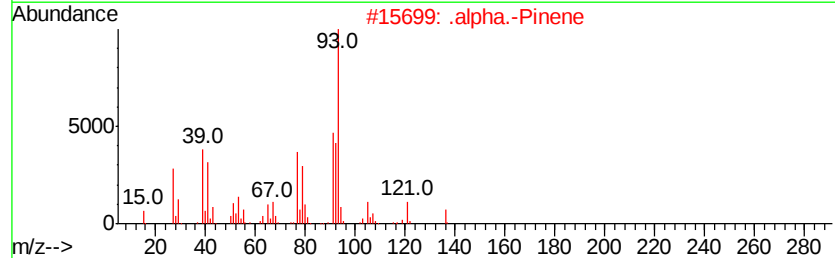
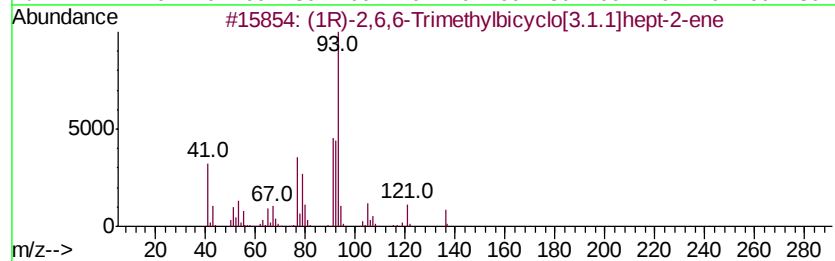
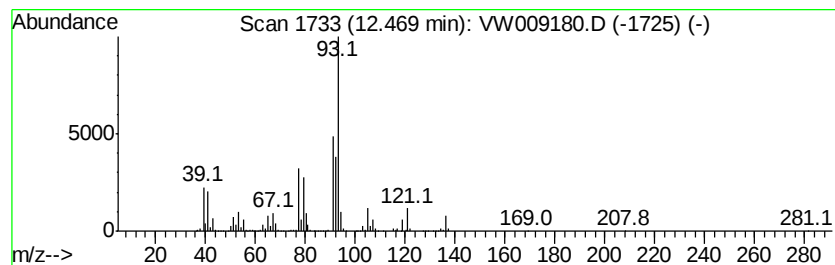
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Quant Title : VOC Analysis

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

Peak Number 6 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	31.84 ug/L	1209250	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	136	C10H16	007785-70-8	96
2		.alpha.-Pinene	136	C10H16	000080-56-8	95
3		.alpha.-Pinene	136	C10H16	000080-56-8	94
4		Bicyclo[3.1.1]hept-2-ene, 3,6,6-trimethyl-	136	C10H16	004889-83-2	91
5		(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	136	C10H16	007785-70-8	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031419\
Data File : VW009180.D
Acq On : 14 Mar 2019 20:09
Operator : SY/VA
Sample : K1794-13RE
Misc : 4.21G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5N2RE

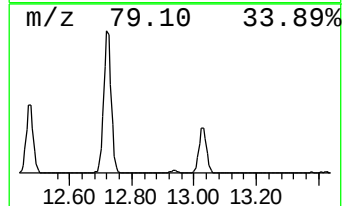
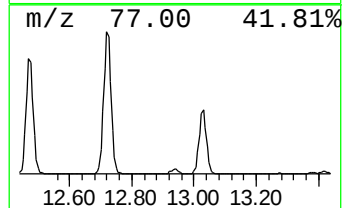
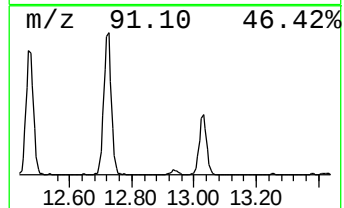
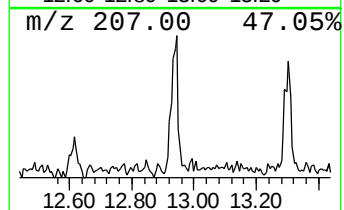
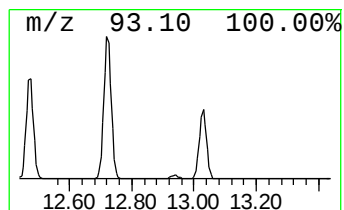
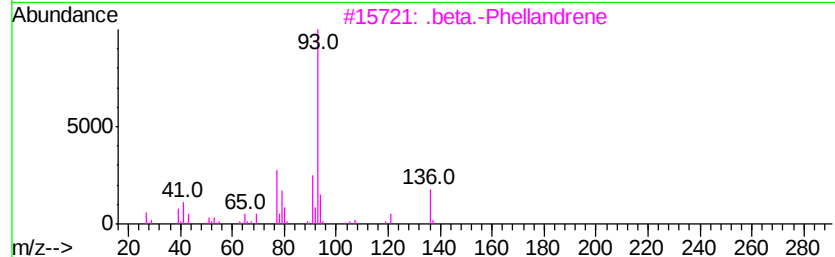
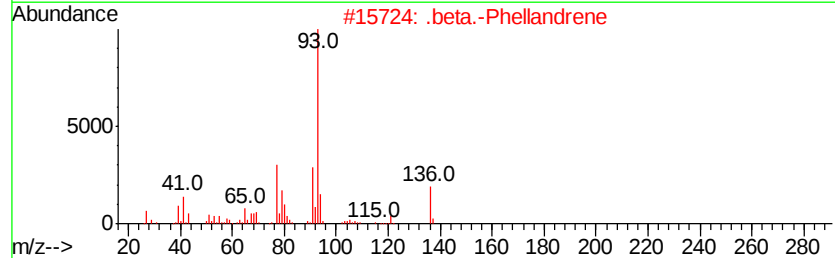
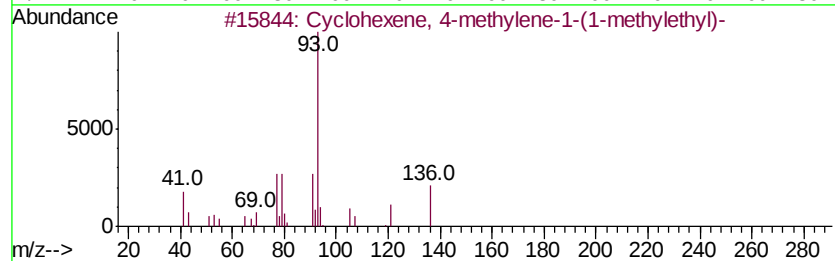
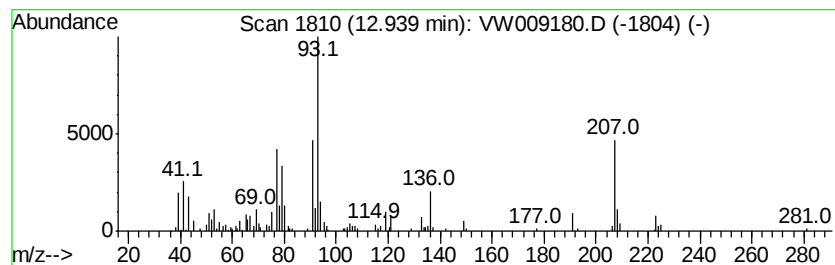
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Quant Title : VOC Analysis

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

Peak Number 8 Cyclohexene, 4-methylene-1-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	2.68 ug/L	65331	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	70
2		.beta.-Phellandrene	136	C10H16	000555-10-2	70
3		.beta.-Phellandrene	136	C10H16	000555-10-2	70
4		Bicyclo[3.1.0]hex-2-ene, 4-methy...	136	C10H16	028634-89-1	70
5		Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031419\
Data File : VW009180.D
Acq On : 14 Mar 2019 20:09
Operator : SY/VA
Sample : K1794-13RE
Misc : 4.21G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

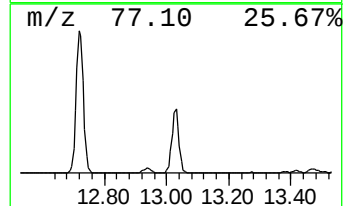
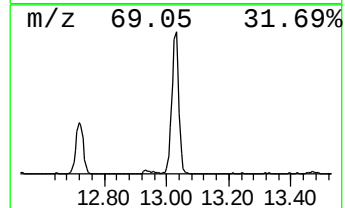
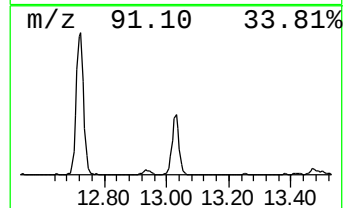
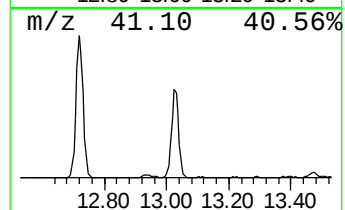
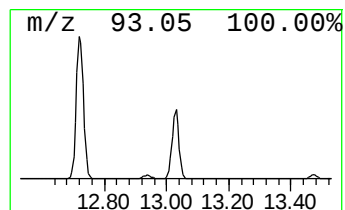
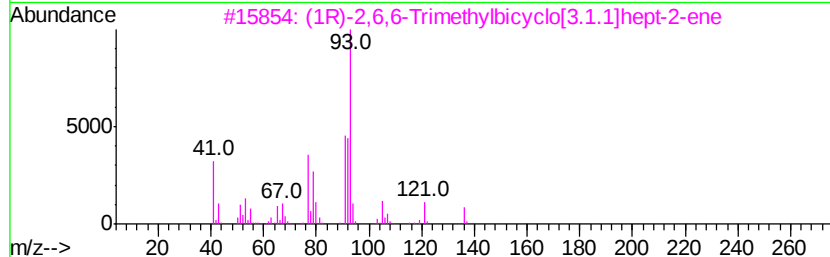
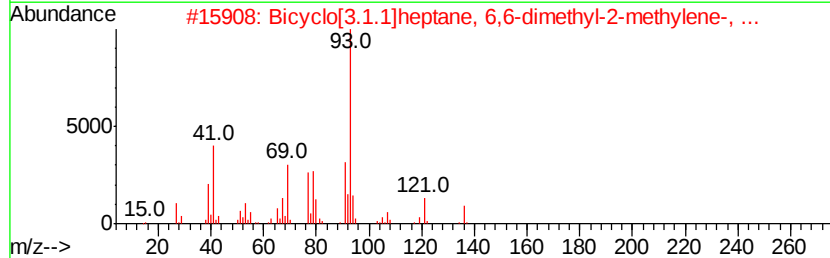
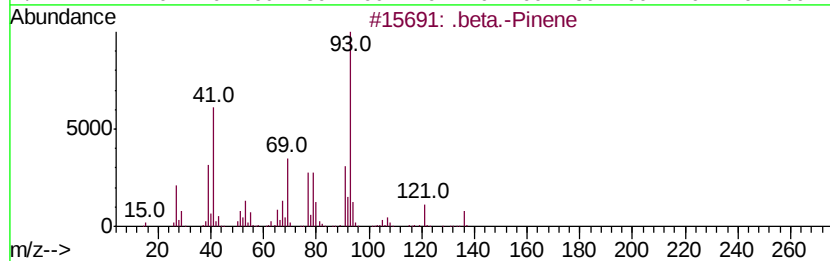
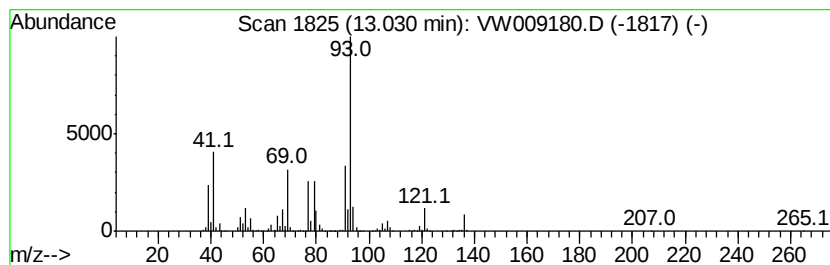
Instrument :
MSVOA_W
ClientSampleId :
BF5N2RE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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

Peak Number 9 .beta.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	34.16 ug/L	831275	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		.beta.-Pinene	136 C10H16	000127-91-3 97
2		Bicyclo[3.1.1]heptane, 6,6-dimet...	136 C10H16	018172-67-3 96
3		(1R)-2,6,6-Trimethylbicyclo[3.1....	136 C10H16	007785-70-8 94
4		Cyclohexene, 4-methylene-1-(1-me...	136 C10H16	000099-84-3 91
5		.alpha.-Pinene	136 C10H16	000080-56-8 91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031419\
Data File : VW009180.D
Acq On : 14 Mar 2019 20:09
Operator : SY/VA
Sample : K1794-13RE
Misc : 4.21G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5N2RE

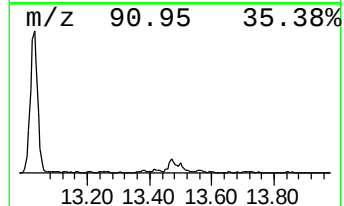
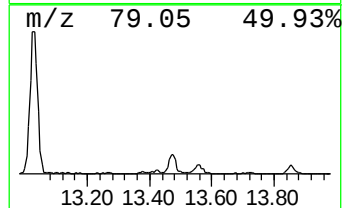
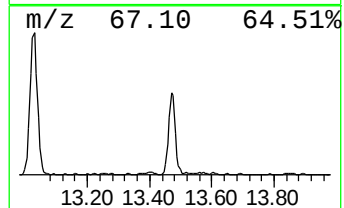
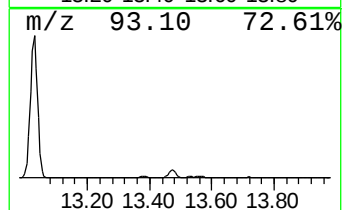
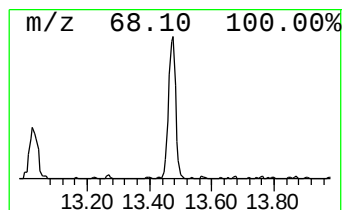
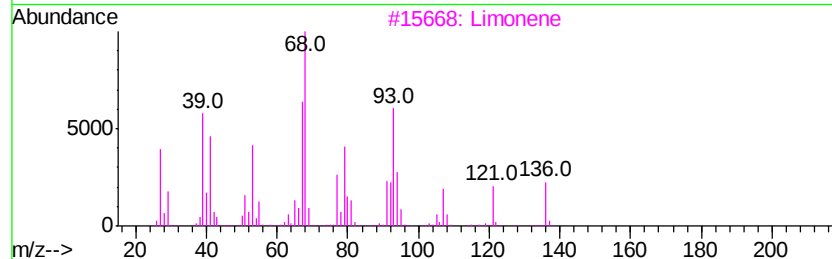
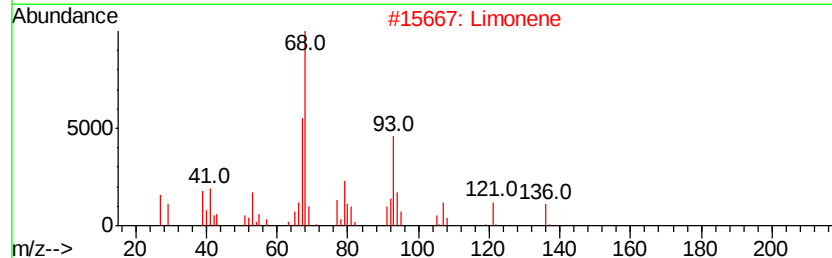
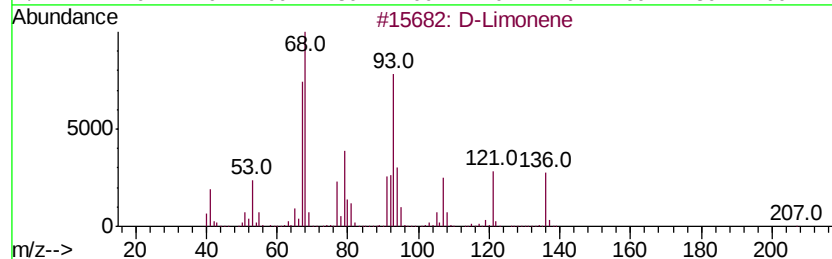
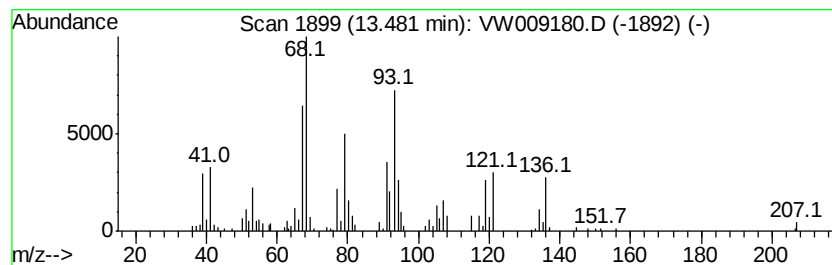
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Quant Title : VOC Analysis

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

Peak Number 10 D-Limonene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	5.82 ug/L	141552	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	D-Limonene	136	C10H16	005989-27-5	95
2		Limonene	136	C10H16	000138-86-3	89
3		Limonene	136	C10H16	000138-86-3	87
4		Limonene	136	C10H16	000138-86-3	78
5		D-Limonene	136	C10H16	005989-27-5	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031419\
Data File : VW009180.D
Acq On : 14 Mar 2019 20:09
Operator : SY/VA
Sample : K1794-13RE
Misc : 4.21G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

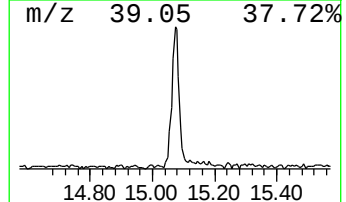
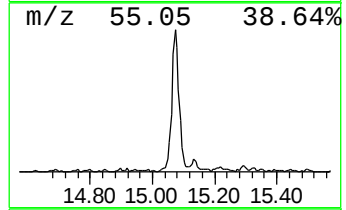
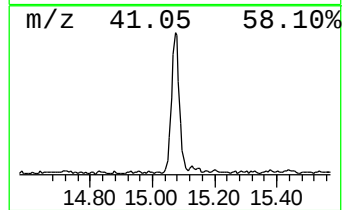
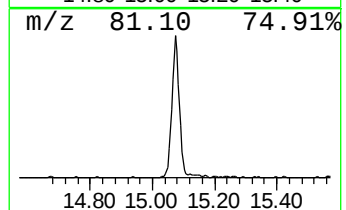
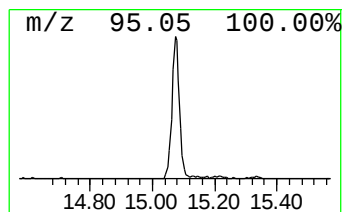
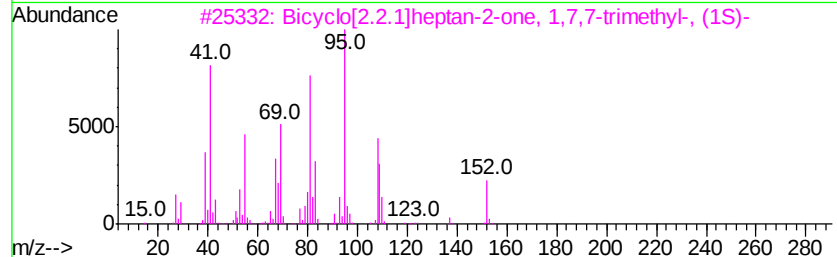
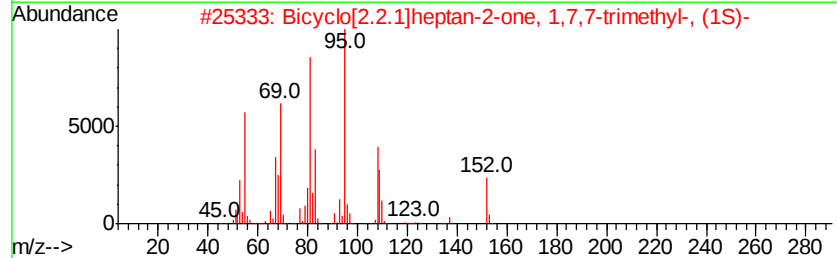
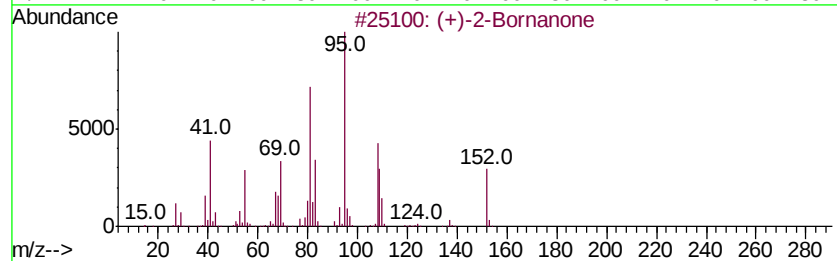
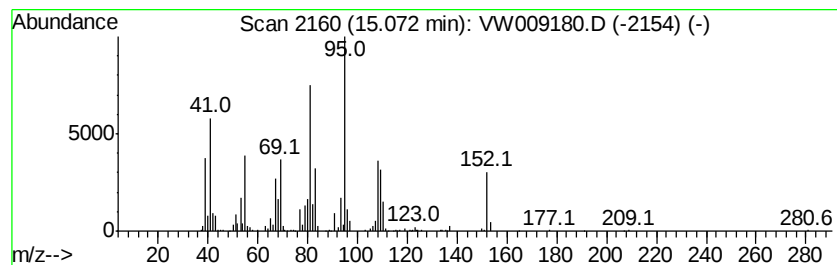
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis

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

Peak Number 11 (+)-2-Bornanone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	12.56 ug/L	305511	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		(+)-2-Bornanone	152 C10H16O	000464-49-3 97
2		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152 C10H16O	000464-48-2 97
3		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152 C10H16O	000464-48-2 96
4		Camphor	152 C10H16O	000076-22-2 96
5		(+)-2-Bornanone	152 C10H16O	000464-49-3 95



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031419\
Data File : VW009180.D
Acq On : 14 Mar 2019 20:09
Operator : SY/VA
Sample : K1794-13RE
Misc : 4.21G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5N2RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.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
Dimethyl sulfide	4.20	4.5	ug/L	167438	1	8.84	919987	25.0
Bicyclo[3.1.0]hex...	11.73	6.0	ug/L	227885	2	11.63	949505	25.0
.gamma.-Terpinene	12.37	2.9	ug/L	110060	2	11.63	949505	25.0
(1R)-2,6,6-Trimet...	12.47	31.8	ug/L	1209250	2	11.63	949505	25.0
Cyclohexene, 4-me...	12.94	2.7	ug/L	65331	3	13.56	608308	25.0
.beta.-Pinene	13.03	34.2	ug/L	831275	3	13.56	608308	25.0
D-Limonene	13.48	5.8	ug/L	141552	3	13.56	608308	25.0
(+)-2-Bornanone	15.07	12.6	ug/L	305511	3	13.56	608308	25.0