

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
 Data File : VW018137.D
 Acq On : 15 Feb 2021 15:52
 Operator : SY/VA
 Sample : M1370-11RE
 Misc : 5.74G/10ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBGY7RE

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\SOM2WLM012921S.M

Title : VOC Analysis

Signal : TIC: VW018137.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.959	5	9	27	rVB4	47283	114828	10.81%	1.320%
2	2.355	65	74	87	rVB	60001	124046	11.68%	1.426%
3	2.898	154	163	178	rVB	46028	120737	11.37%	1.388%
4	3.306	222	230	234	rBV5	787	1616	0.15%	0.019%
5	3.391	237	244	253	rVB4	3151	8536	0.80%	0.098%
6	3.867	313	322	326	rBV4	728	2010	0.19%	0.023%
7	4.025	336	348	356	rBV	111137	350965	33.05%	4.035%
8	4.117	356	363	385	rVB	151455	414834	39.07%	4.769%
9	4.385	395	407	421	rVB	25081	76450	7.20%	0.879%
10	4.928	482	496	517	rVB3	9395	37183	3.50%	0.427%
11	5.781	628	636	644	rBV4	1609	5142	0.48%	0.059%
12	5.940	654	662	663	rBV	2766	5044	0.48%	0.058%
13	7.080	839	849	857	rBV	27426	77851	7.33%	0.895%
14	7.171	859	864	878	rVB	9123	26073	2.46%	0.300%
15	7.537	918	924	928	rBV5	643	1176	0.11%	0.014%
16	7.647	931	942	957	rBV	192332	469813	44.25%	5.401%
17	8.275	1035	1045	1065	rBV2	359113	1061764	100.00%	12.206%
18	8.482	1071	1079	1086	rVB2	1617	3696	0.35%	0.042%
19	8.567	1086	1093	1100	rVB5	751	1935	0.18%	0.022%
20	8.701	1108	1115	1127	rVB5	4556	11273	1.06%	0.130%
21	8.842	1129	1138	1149	rBV	443740	855061	80.53%	9.830%
22	9.073	1173	1176	1182	rBV3	1054	1777	0.17%	0.020%
23	9.274	1200	1209	1224	rBV	230320	477164	44.94%	5.485%
24	9.463	1235	1240	1246	rVB3	1380	2606	0.25%	0.030%
25	9.762	1282	1289	1295	rBV3	3227	6025	0.57%	0.069%
26	9.847	1297	1303	1307	rVV2	3120	6025	0.57%	0.069%
27	9.896	1307	1311	1315	rVV2	3945	7214	0.68%	0.083%
28	9.939	1315	1318	1325	rVV6	1154	2549	0.24%	0.029%
29	10.036	1326	1334	1342	rVV	112516	199815	18.82%	2.297%
30	10.128	1346	1349	1354	rVB2	852	1303	0.12%	0.015%
31	10.213	1357	1363	1365	rBV3	1542	2652	0.25%	0.030%
32	10.250	1365	1369	1373	rVV2	2996	5337	0.50%	0.061%
33	10.323	1373	1381	1387	rVV	480997	849139	79.97%	9.762%
34	10.390	1387	1392	1402	rVB	63353	112642	10.61%	1.295%
35	10.506	1402	1411	1416	rVB5	2959	6080	0.57%	0.070%
36	10.579	1416	1423	1433	rBV	64272	111181	10.47%	1.278%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
 Title : VOC Analysis

37	10.701	1439	1443	1449	rVB3	1945	3033	0.29%	0.035%
38	10.762	1449	1453	1460	rVB5	1144	2166	0.20%	0.025%
39	10.920	1472	1479	1491	rBV	98448	174390	16.42%	2.005%
40	11.012	1491	1494	1498	rVV4	2585	3347	0.32%	0.038%
41	11.067	1501	1503	1512	rVB2	2399	4347	0.41%	0.050%
42	11.195	1517	1524	1527	rBV4	1140	2656	0.25%	0.031%
43	11.225	1527	1529	1536	rVB5	720	1228	0.12%	0.014%
44	11.408	1555	1559	1560	rBV2	919	979	0.09%	0.011%
45	11.469	1566	1569	1574	rVB3	1070	1688	0.16%	0.019%
46	11.536	1577	1580	1588	rVB6	1043	2031	0.19%	0.023%
47	11.628	1588	1595	1605	rBV	442841	759980	71.58%	8.737%
48	11.731	1605	1612	1616	rBV2	4757	7958	0.75%	0.091%
49	11.829	1620	1628	1642	rVB4	11191	35385	3.33%	0.407%
50	12.018	1654	1659	1662	rBV4	840	1498	0.14%	0.017%
51	12.134	1666	1678	1681	rBV9	3713	11354	1.07%	0.131%
52	12.237	1693	1695	1702	rVB5	1843	2909	0.27%	0.033%
53	12.365	1702	1716	1721	rBV3	13585	29689	2.80%	0.341%
54	12.463	1726	1732	1738	rVV	24847	42226	3.98%	0.485%
55	12.524	1738	1742	1748	rVV4	4829	8164	0.77%	0.094%
56	12.573	1748	1750	1752	rVV3	763	963	0.09%	0.011%
57	12.609	1752	1756	1760	rVV	3259	5429	0.51%	0.062%
58	12.695	1763	1770	1780	rVV2	152373	359489	33.86%	4.133%
59	12.774	1780	1783	1787	rVV4	3300	5574	0.52%	0.064%
60	12.804	1787	1788	1793	rVB4	2183	2283	0.22%	0.026%
61	12.865	1793	1798	1800	rBV2	3854	6015	0.57%	0.069%
62	12.920	1800	1807	1821	rVV4	34109	107325	10.11%	1.234%
63	13.042	1821	1827	1844	rVB2	42574	93229	8.78%	1.072%
64	13.207	1846	1854	1858	rBV	22221	37854	3.57%	0.435%
65	13.249	1858	1861	1867	rVB4	10031	16261	1.53%	0.187%
66	13.371	1874	1881	1882	rBV3	4469	7440	0.70%	0.086%
67	13.396	1882	1885	1888	rVV3	7143	11502	1.08%	0.132%
68	13.438	1888	1892	1897	rVV	15296	31089	2.93%	0.357%
69	13.499	1898	1902	1905	rVV	21287	33304	3.14%	0.383%
70	13.554	1905	1911	1921	rVV	263763	453503	42.71%	5.213%
71	13.652	1921	1927	1934	rVB	33257	52786	4.97%	0.607%
72	13.761	1940	1945	1947	rBV6	2084	3497	0.33%	0.040%
73	13.853	1953	1960	1972	rVB	197927	342192	32.23%	3.934%
74	13.993	1979	1983	1984	rBV3	2503	3340	0.31%	0.038%
75	14.017	1985	1987	1988	rBV2	2147	1787	0.17%	0.021%
76	14.133	2001	2006	2010	rVB	26353	40304	3.80%	0.463%

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 Title : VOC Analysis

77	14.182	2010	2014	2022	rVB2	22593	41216	3.88%	0.474%
78	14.322	2034	2037	2042	rBV6	3145	6065	0.57%	0.070%
79	14.432	2050	2055	2063	rVB4	10833	25261	2.38%	0.290%
80	14.493	2063	2065	2068	rBV3	1799	2772	0.26%	0.032%
81	14.566	2074	2077	2081	rVB3	3297	4868	0.46%	0.056%
82	14.621	2081	2086	2090	rBV3	6817	14037	1.32%	0.161%
83	14.786	2110	2113	2114	rBV3	3407	3876	0.37%	0.045%
84	14.889	2125	2130	2137	rVB5	13779	23501	2.21%	0.270%
85	14.956	2139	2141	2145	rVB4	1613	1602	0.15%	0.018%
86	15.011	2148	2150	2154	rVV4	1306	1819	0.17%	0.021%
87	15.072	2154	2160	2172	rVB10	7616	24717	2.33%	0.284%
88	15.182	2172	2178	2187	rBV4	9266	19716	1.86%	0.227%
89	15.389	2205	2212	2219	rBV4	3427	9181	0.86%	0.106%
90	15.487	2222	2228	2241	rVB2	8745	21299	2.01%	0.245%
91	15.584	2241	2244	2246	rBV4	938	1104	0.10%	0.013%
92	15.639	2248	2253	2259	rVB9	2649	5756	0.54%	0.066%
93	15.718	2263	2266	2271	rBV6	929	1778	0.17%	0.020%
94	15.792	2273	2278	2284	rBV6	5347	10488	0.99%	0.121%
95	15.981	2300	2309	2314	rBV2	12678	26649	2.51%	0.306%
96	16.224	2347	2349	2353	rBV4	1809	2405	0.23%	0.028%
97	16.432	2377	2383	2391	rVB6	15984	36322	3.42%	0.418%
98	16.523	2391	2398	2404	rBV	33211	76705	7.22%	0.882%
99	16.688	2419	2425	2431	rVB5	21156	46271	4.36%	0.532%
100	16.755	2432	2436	2441	rBV8	9108	19685	1.85%	0.226%

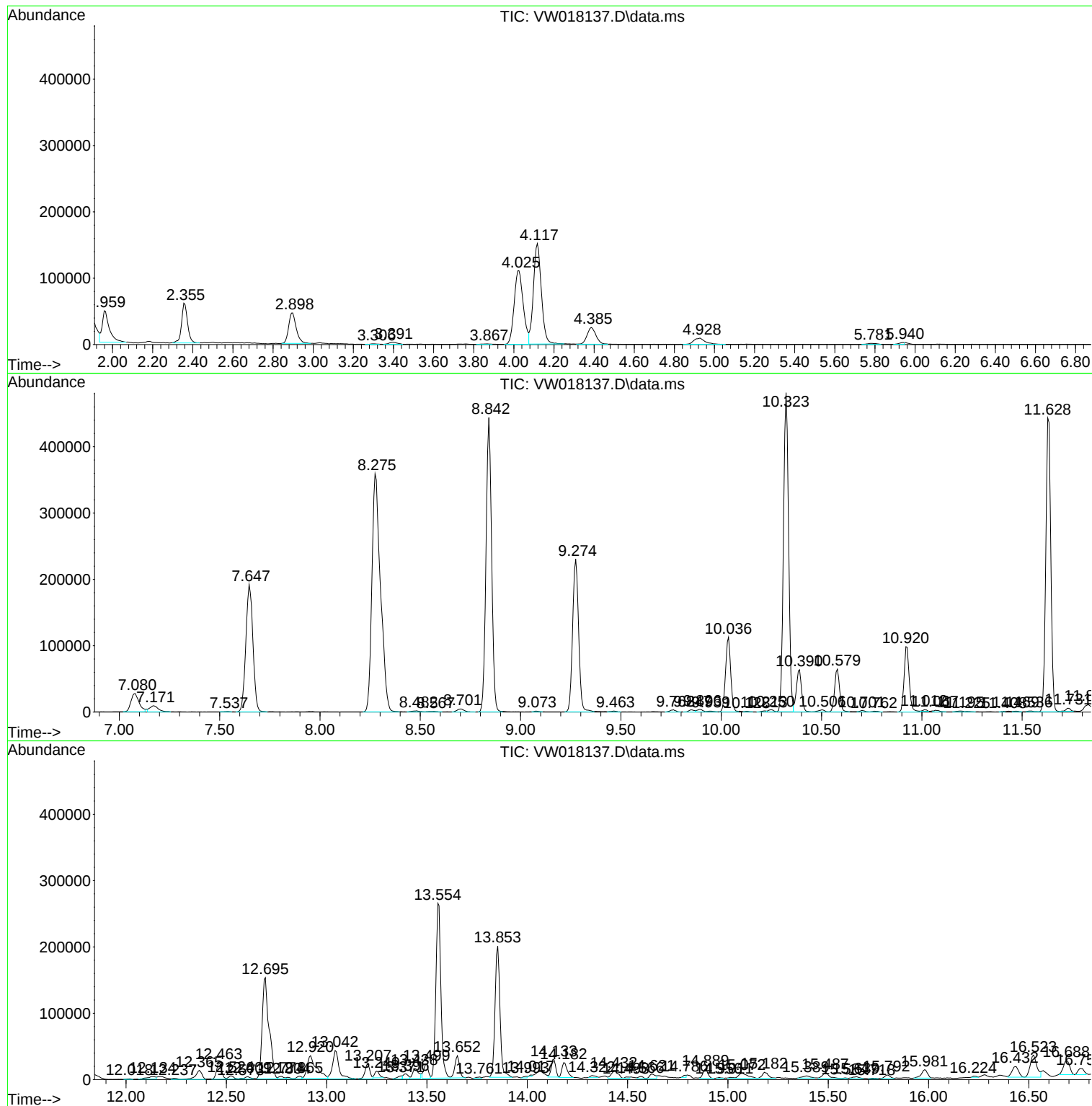
Sum of corrected areas: 8698829

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Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
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Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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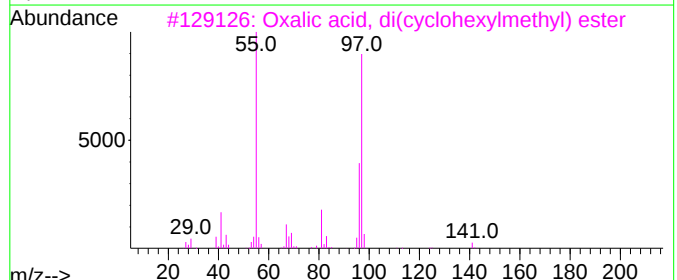
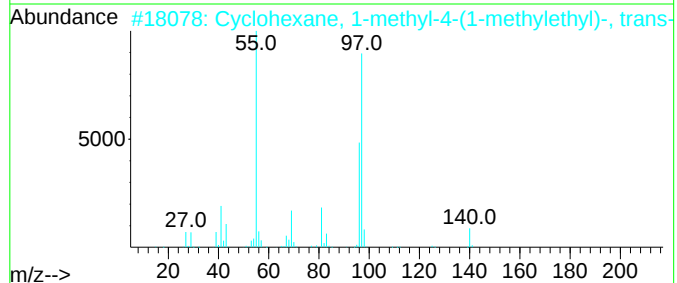
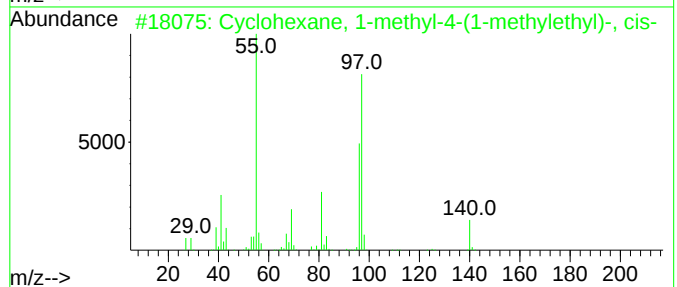
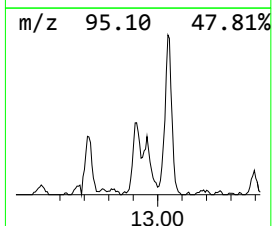
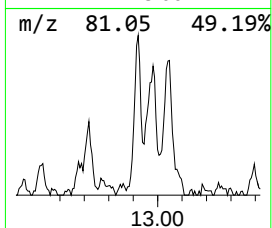
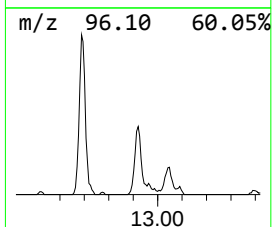
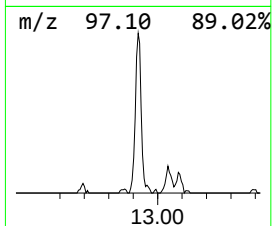
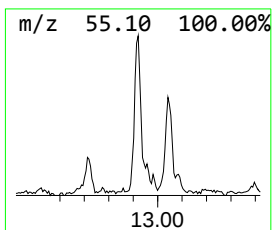
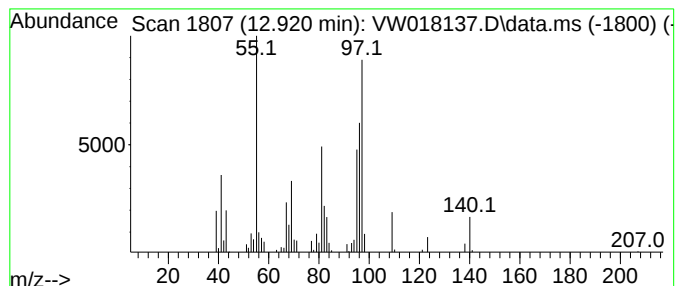
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Cyclic12.920 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.920	5.92 ug/L	107325	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	53
2			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	52
3			Oxalic acid, di(cyclohexylmethyl...	282	C16H26O4	1000309-68-5	50
4			m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	50
5			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	49



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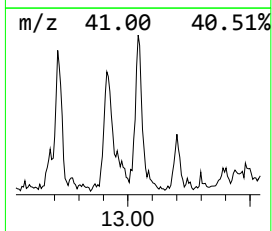
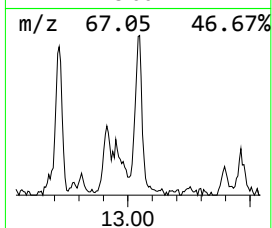
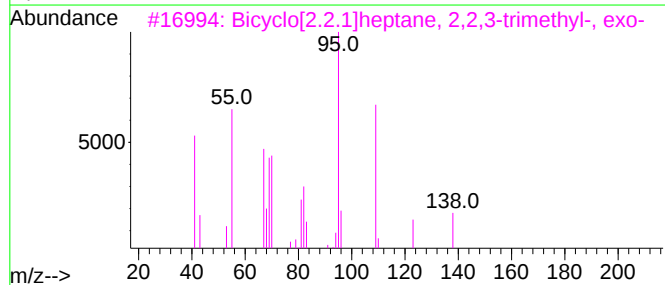
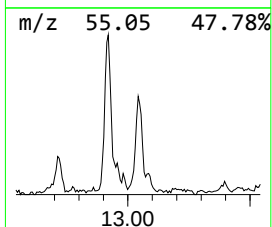
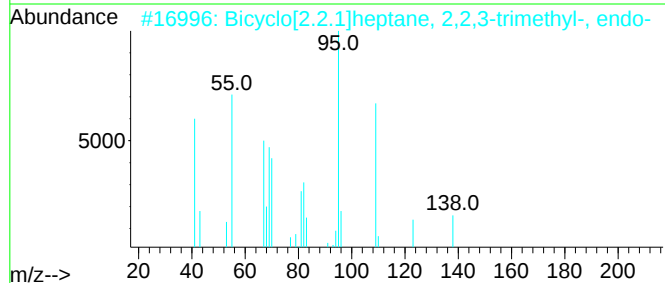
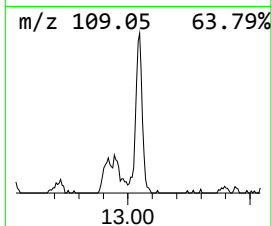
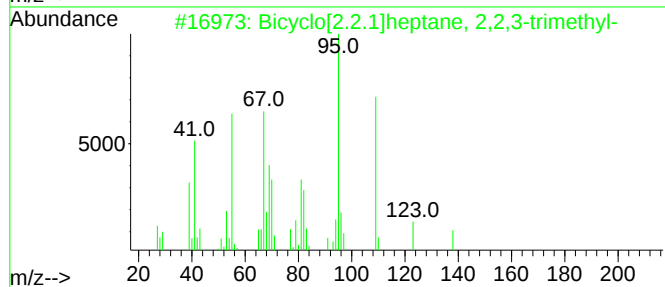
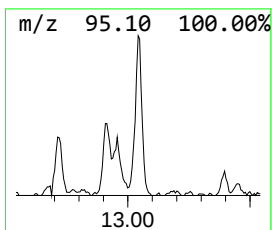
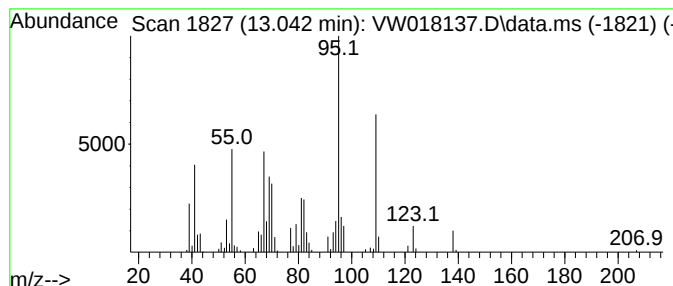
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.042	5.14 ug/L	93229	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	98
2			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	94
3			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	91
4			Bicyclo[2.2.1]heptane, 1,7,7-tri...	138	C10H18	000464-15-3	58
5			Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	013828-34-7	53



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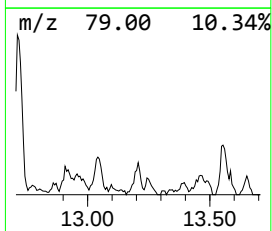
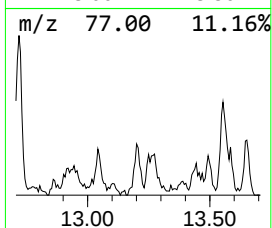
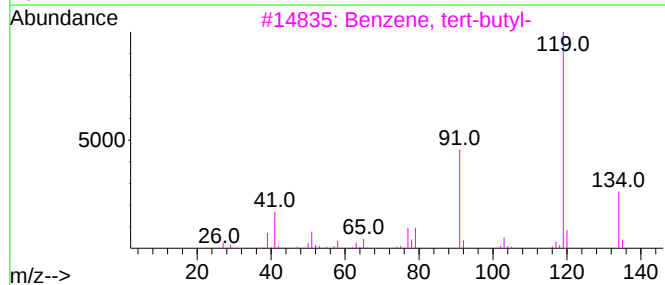
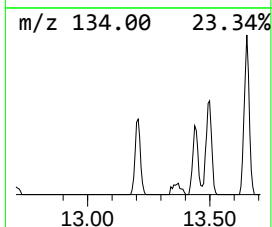
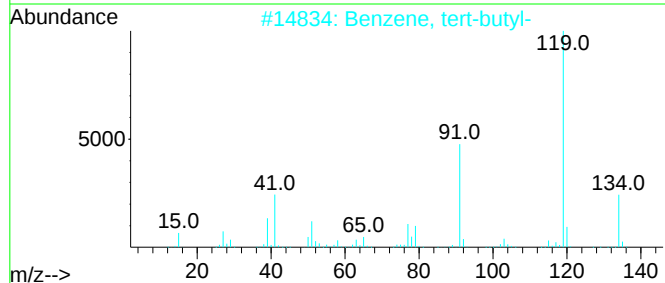
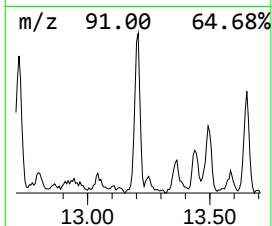
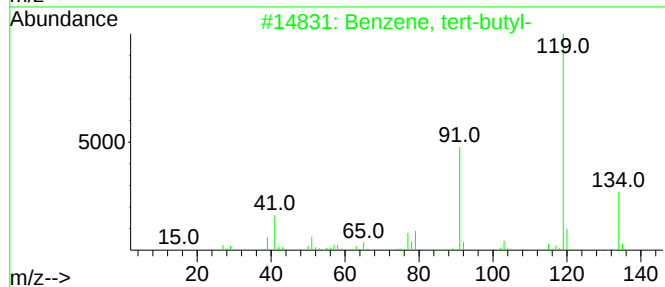
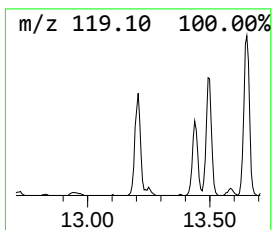
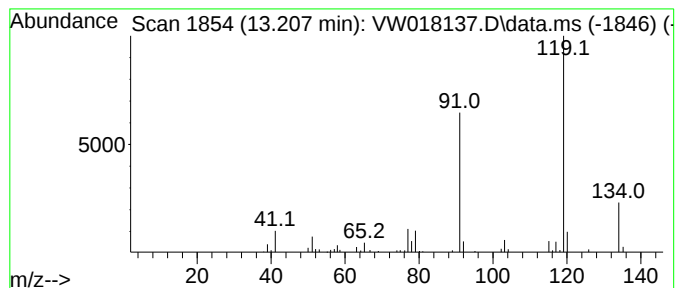
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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

Peak Number 5 Benzene, tert-butyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.207	2.09 ug/L	37854	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, tert-butyl-	134	C10H14	000098-06-6	94
2			Benzene, tert-butyl-	134	C10H14	000098-06-6	94
3			Benzene, tert-butyl-	134	C10H14	000098-06-6	91
4			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	86
5			p-Cymene	134	C10H14	000099-87-6	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018137.D
Acq On : 15 Feb 2021 15:52
Operator : SY/VA
Sample : M1370-11RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY7RE

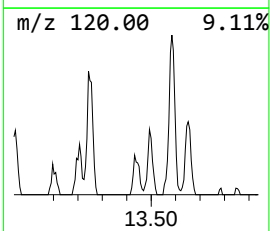
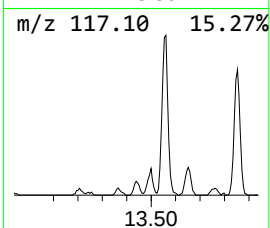
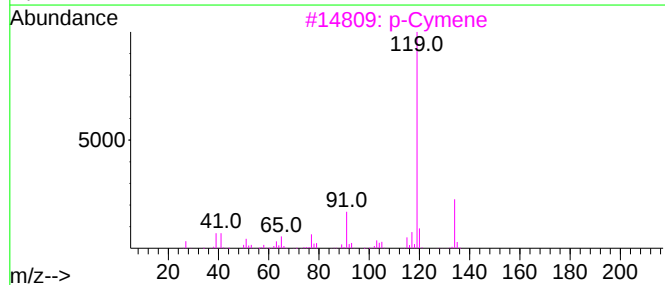
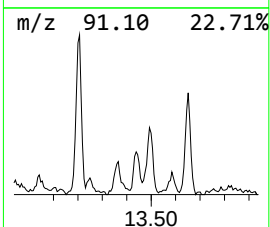
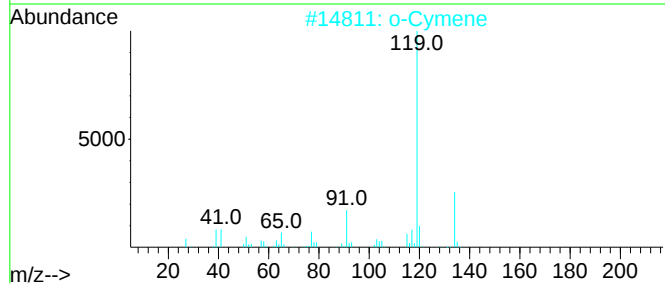
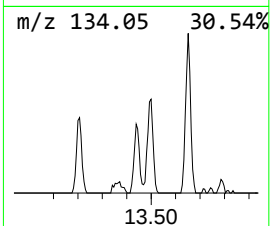
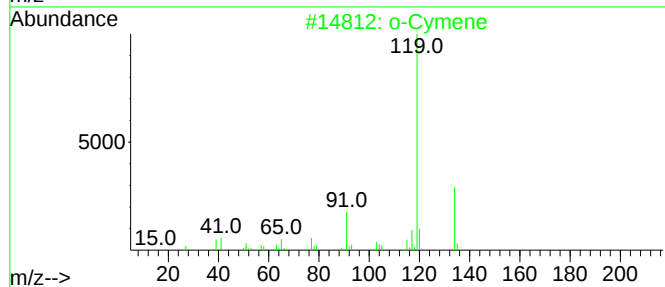
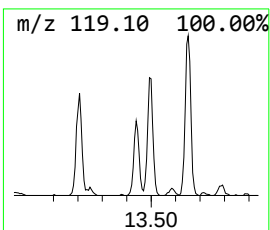
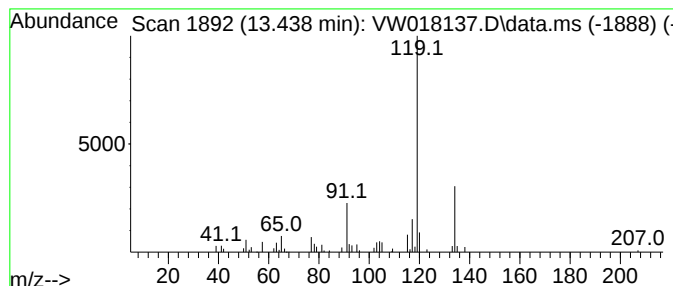
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Quant Title : VOC Analysis

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

Peak Number 6 o-Cymene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.438	1.71 ug/L	31089	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	97
2			o-Cymene	134	C10H14	000527-84-4	95
3			p-Cymene	134	C10H14	000099-87-6	93
4			o-Cymene	134	C10H14	000527-84-4	91
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018137.D
Acq On : 15 Feb 2021 15:52
Operator : SY/VA
Sample : M1370-11RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY7RE

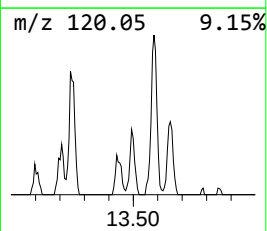
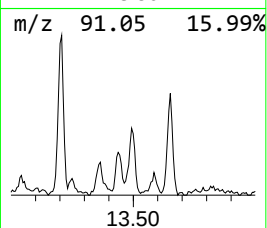
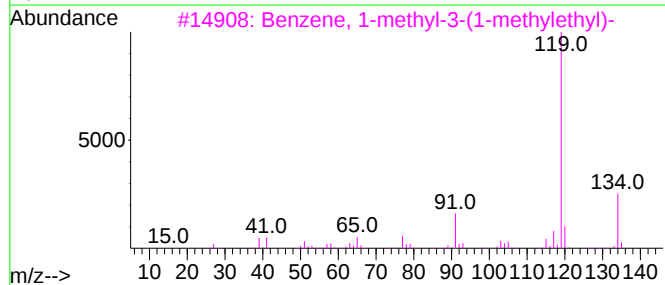
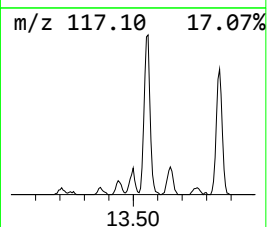
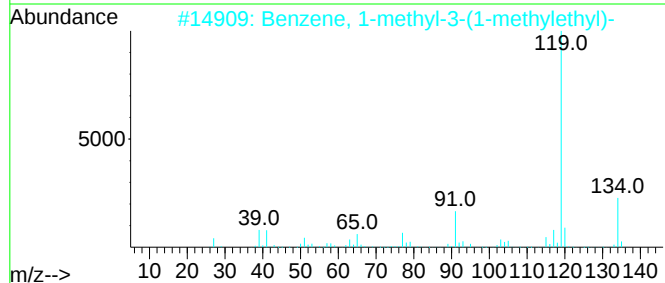
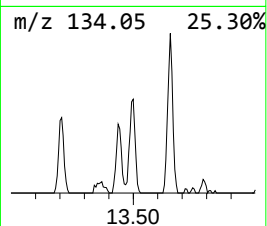
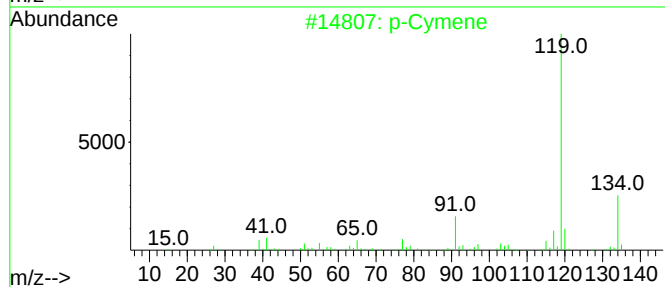
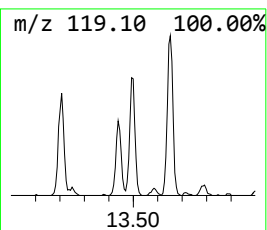
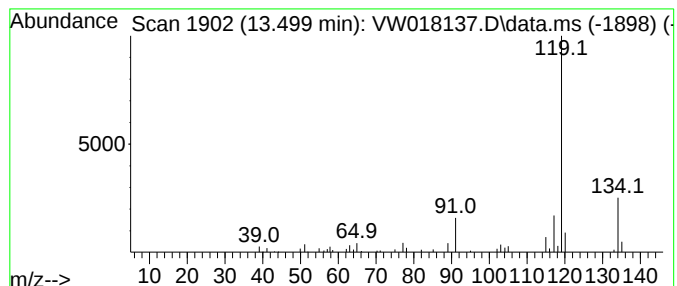
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Quant Title : VOC Analysis

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

Peak Number 7 p-Cymene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.499	1.84 ug/L	33304	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			p-Cymene	134	C10H14	000099-87-6	91
2			Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	91
3			Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	91
4			Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	90
5			o-Cymene	134	C10H14	000527-84-4	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018137.D
Acq On : 15 Feb 2021 15:52
Operator : SY/VA
Sample : M1370-11RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY7RE

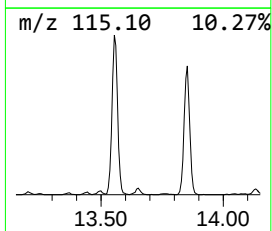
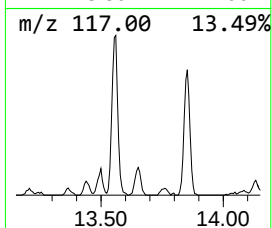
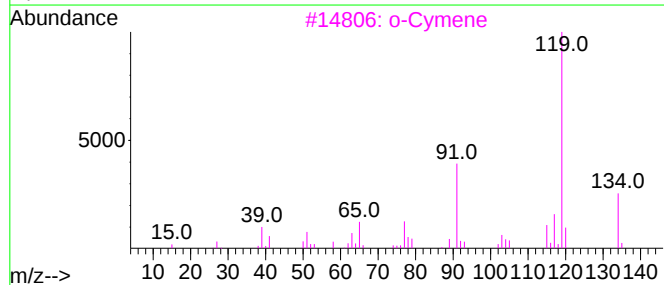
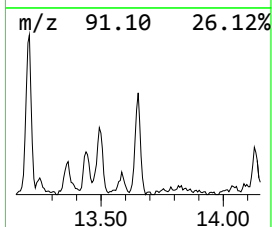
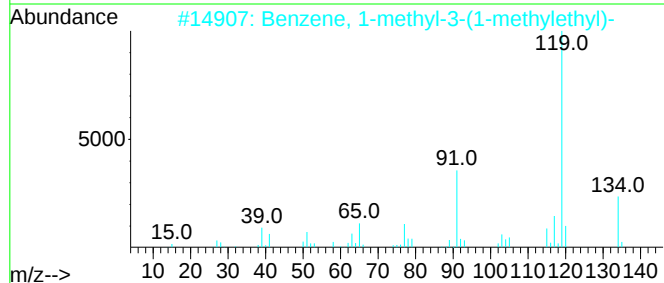
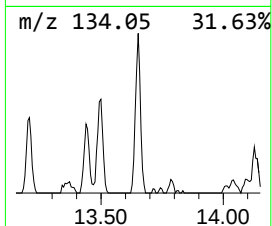
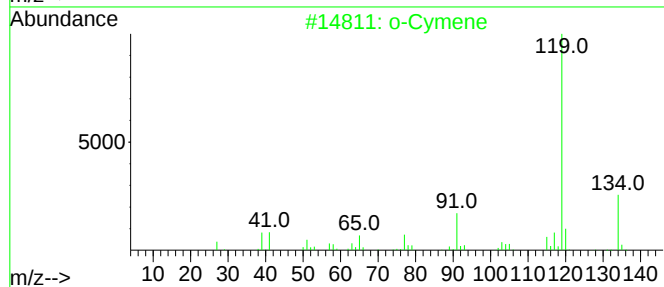
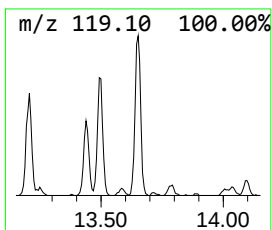
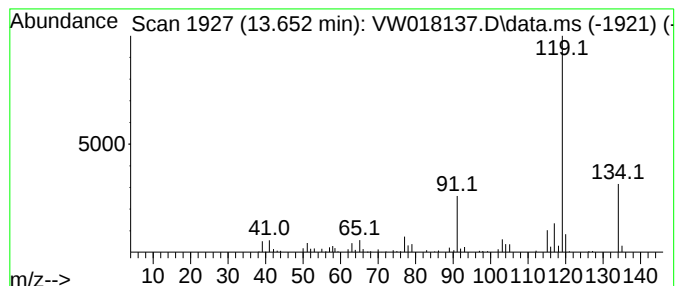
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Quant Title : VOC Analysis

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

Peak Number 8 Benzene, 1-methyl-3-(1-meth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.652	2.91 ug/L	52786	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	94
2			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3			o-Cymene	134	C10H14	000527-84-4	94
4			p-Cymene	134	C10H14	000099-87-6	94
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018137.D
Acq On : 15 Feb 2021 15:52
Operator : SY/VA
Sample : M1370-11RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY7RE

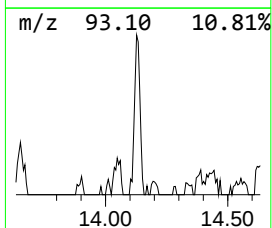
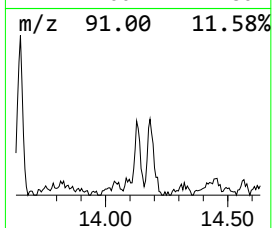
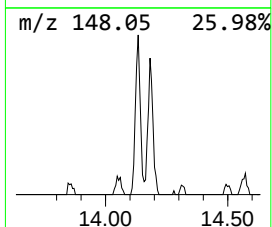
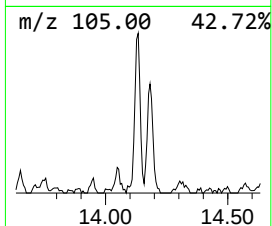
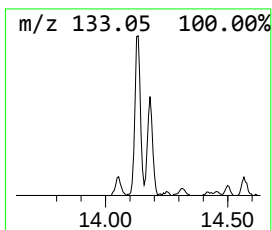
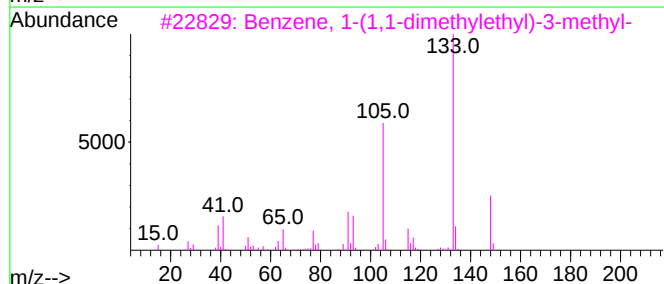
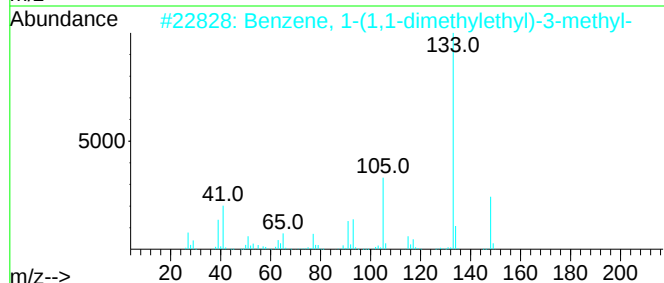
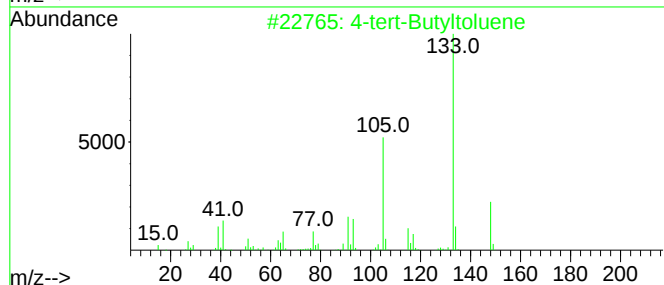
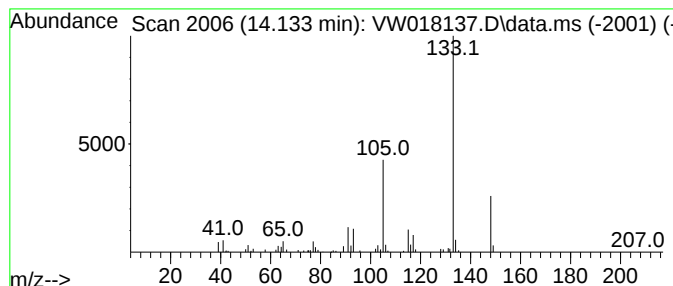
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Quant Title : VOC Analysis

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

Peak Number 9 4-tert-Butyltoluene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.133	2.22 ug/L	40304	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-tert-Butyltoluene	148	C11H16	000098-51-1	94
2			Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	93
3			Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	91
4			2-tert-Butyltoluene	148	C11H16	001074-92-6	91
5			4-tert-Butyltoluene	148	C11H16	000098-51-1	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018137.D
Acq On : 15 Feb 2021 15:52
Operator : SY/VA
Sample : M1370-11RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY7RE

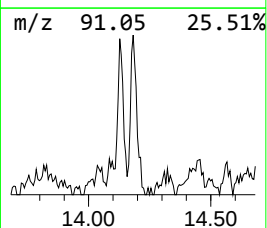
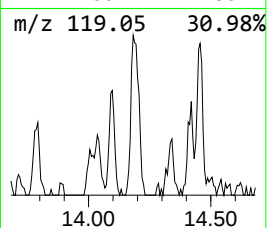
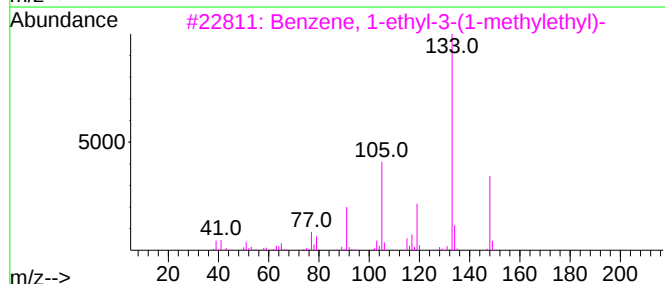
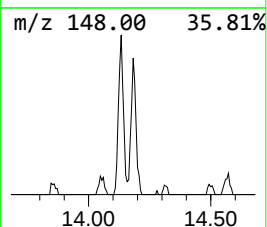
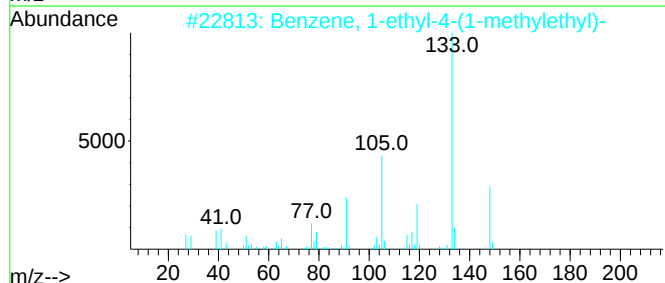
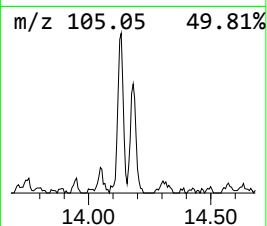
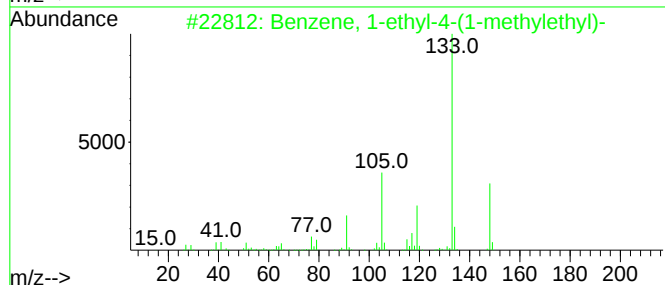
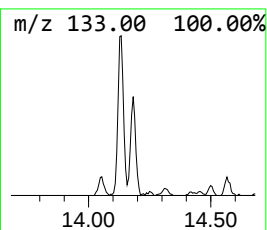
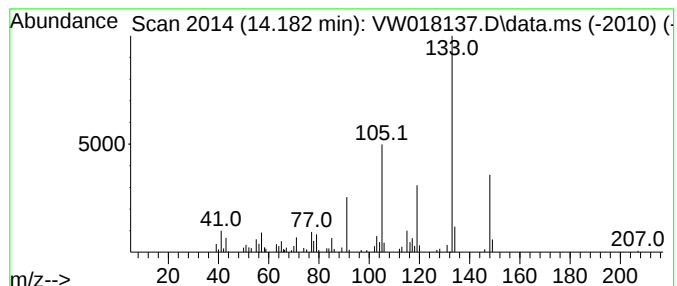
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Quant Title : VOC Analysis

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

Peak Number 10 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.182	2.27 ug/L	41216	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	94
2			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	94
3			Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	94
4			2-tert-Butyltoluene	148	C11H16	001074-92-6	87
5			Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018137.D
Acq On : 15 Feb 2021 15:52
Operator : SY/VA
Sample : M1370-11RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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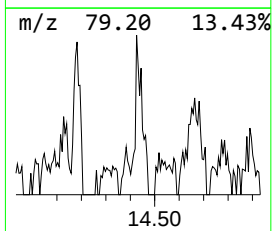
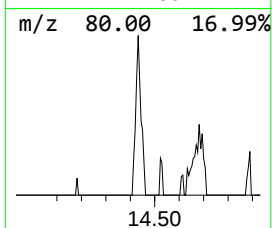
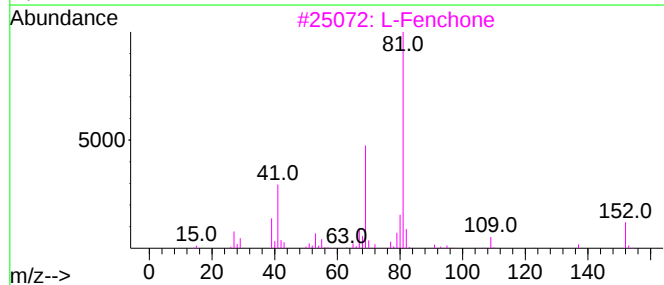
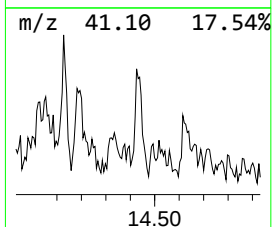
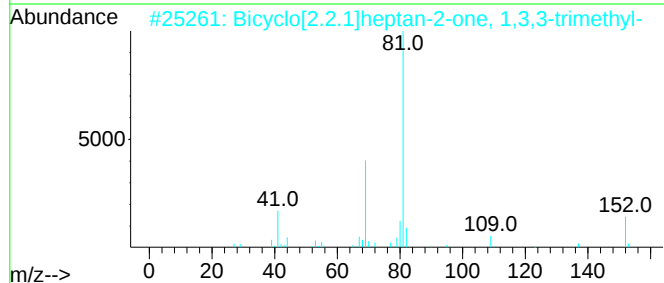
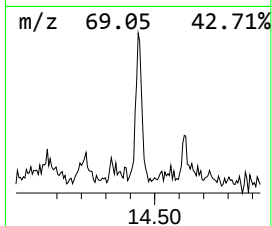
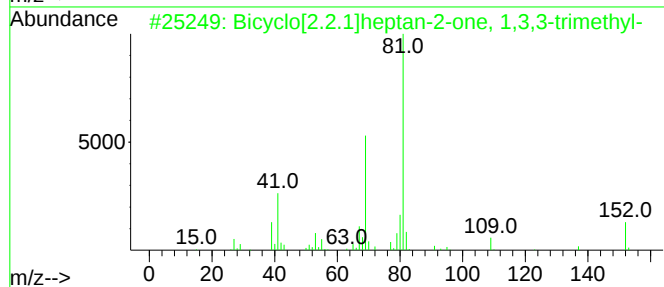
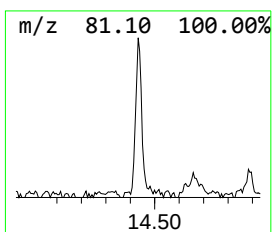
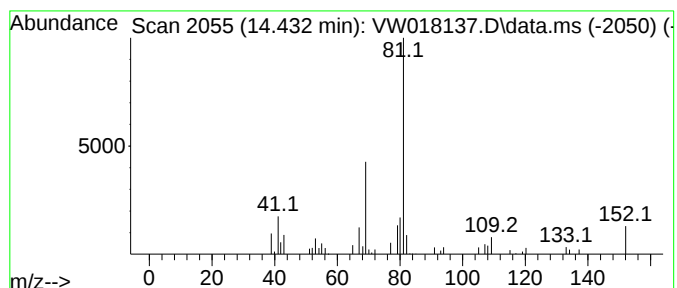
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Quant Title : VOC Analysis

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

Peak Number 11 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.432	1.39 ug/L	25261	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	83
2			Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	80
3			L-Fenchone	152	C10H16O	007787-20-4	80
4			Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	74
5			Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018137.D
Acq On : 15 Feb 2021 15:52
Operator : SY/VA
Sample : M1370-11RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY7RE

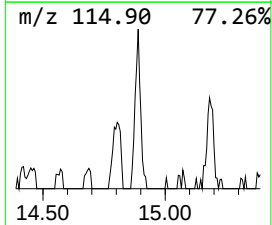
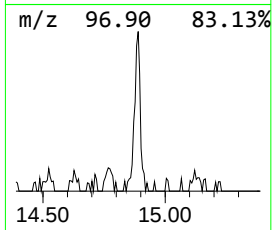
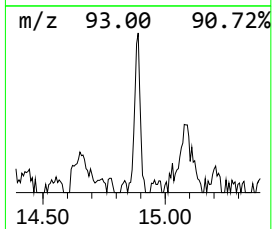
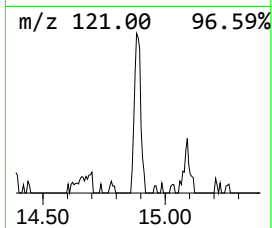
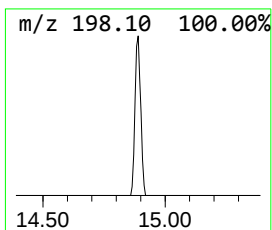
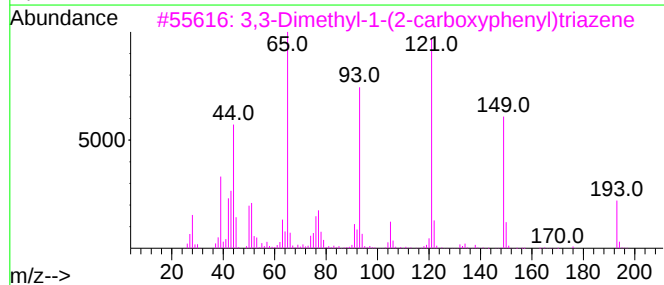
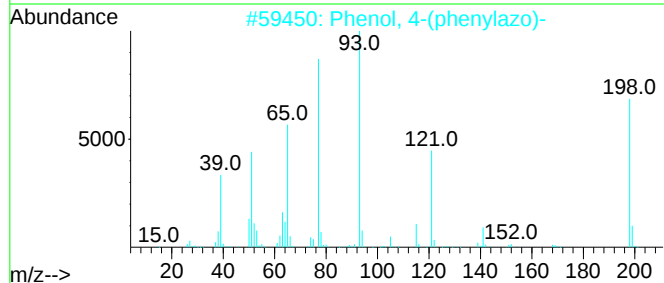
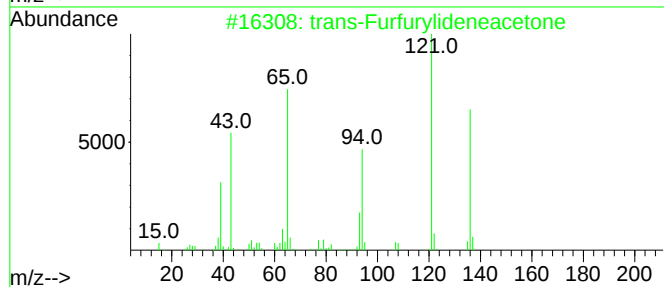
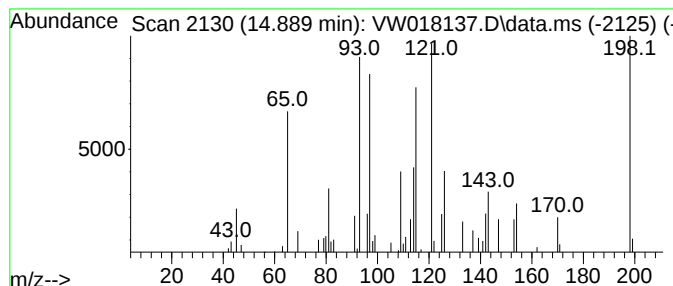
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Quant Title : VOC Analysis

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

Peak Number 12 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.889	1.30 ug/L	23501	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-Furfurylideneacetone	136	C8H8O2	041438-24-8	12
2			Phenol, 4-(phenylazo)-	198	C12H10N2O	001689-82-3	12
3			3,3-Dimethyl-1-(2-carboxyphenyl)...	193	C9H11N3O2	020119-28-2	12
4			Mandelic acid, 4-hydroxy-3-methoxy-	198	C9H10O5	000055-10-7	12
5			N-.beta.-Hydroxyethylsalicylalde...	180	C9H12N2O2	086547-03-7	10



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018137.D
Acq On : 15 Feb 2021 15:52
Operator : SY/VA
Sample : M1370-11RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY7RE

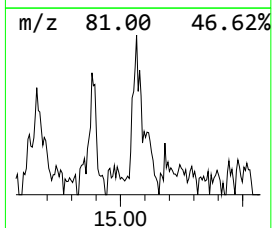
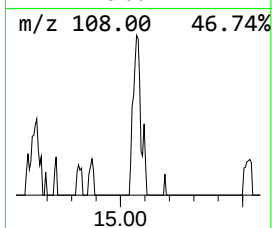
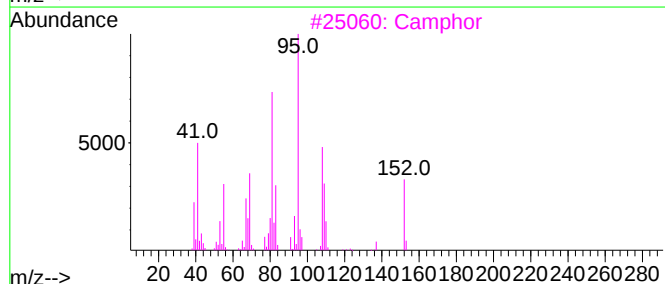
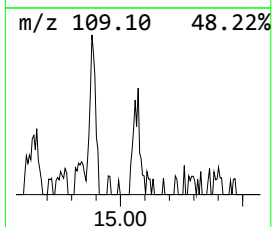
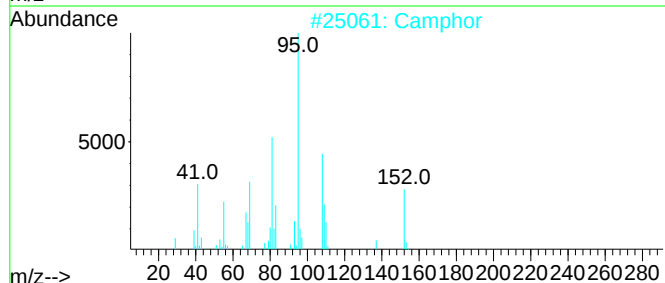
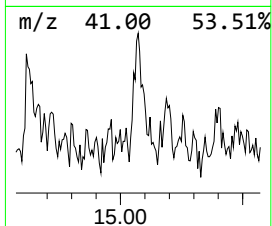
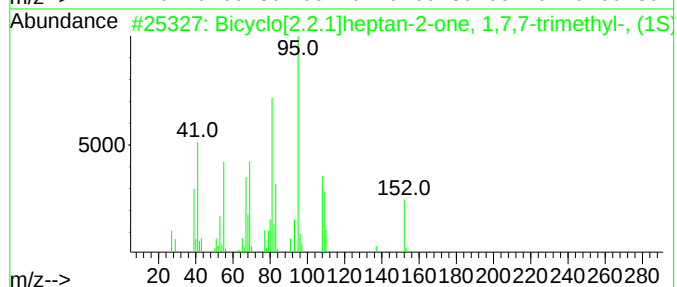
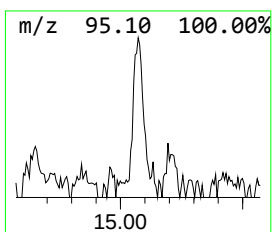
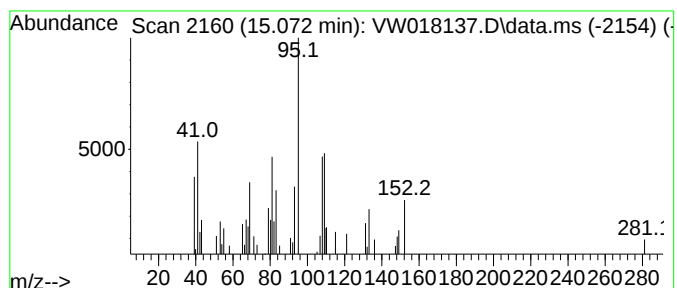
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Quant Title : VOC Analysis

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

Peak Number 13 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.072	1.36 ug/L	24717	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	52
2			Camphor	152	C10H16O	000076-22-2	52
3			Camphor	152	C10H16O	000076-22-2	52
4			Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	50
5			(+)-2-Bornanone	152	C10H16O	000464-49-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018137.D
Acq On : 15 Feb 2021 15:52
Operator : SY/VA
Sample : M1370-11RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY7RE

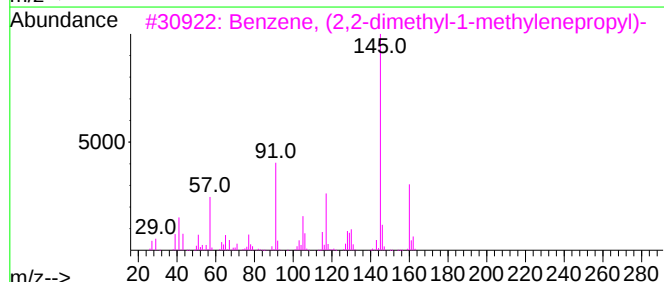
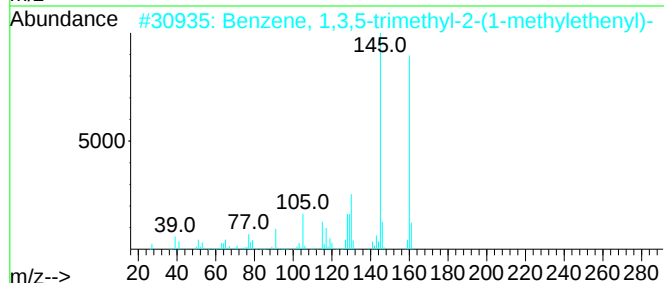
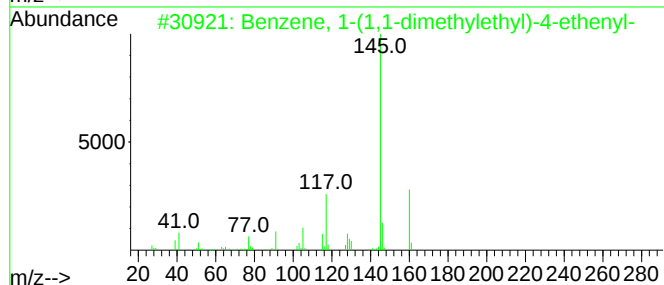
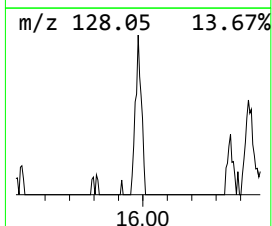
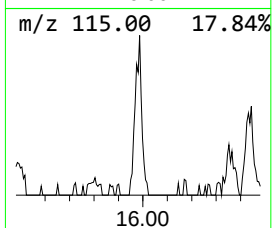
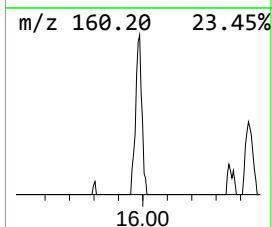
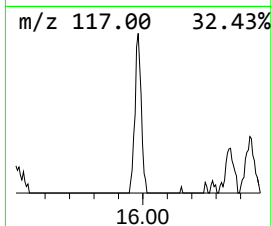
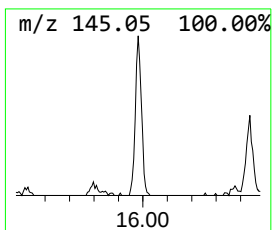
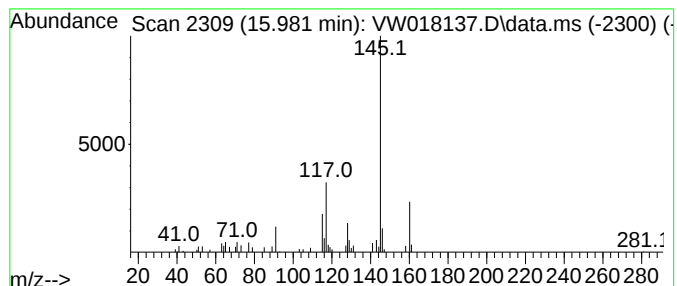
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Quant Title : VOC Analysis

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

Peak Number 14 Benzene, 1-(1,1-dimethyleth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.980	1.47 ug/L	26649	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	87
2			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	81
3			Benzene, (2,2-dimethyl-1-methyle...	160	C12H16	005676-29-9	80
4			Ethanone, 1-(2,3-dihydro-1H-inde...	160	C11H12O	004228-10-8	80
5			Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018137.D
Acq On : 15 Feb 2021 15:52
Operator : SY/VA
Sample : M1370-11RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY7RE

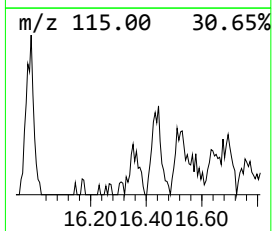
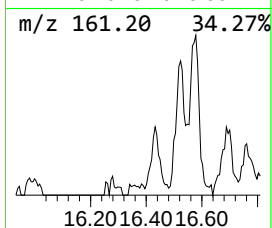
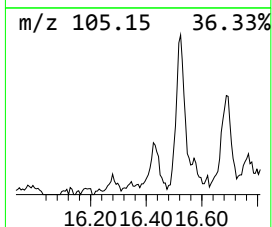
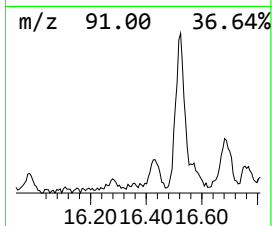
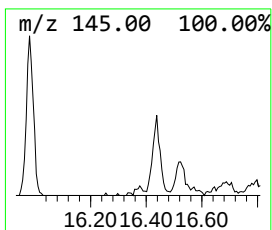
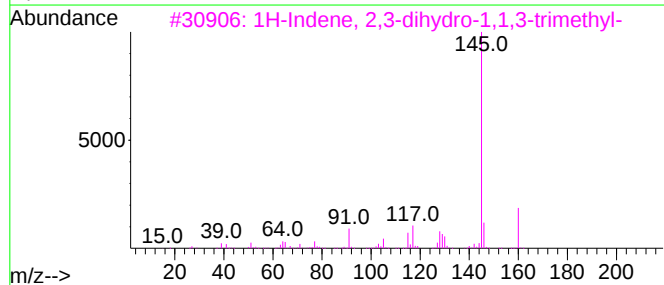
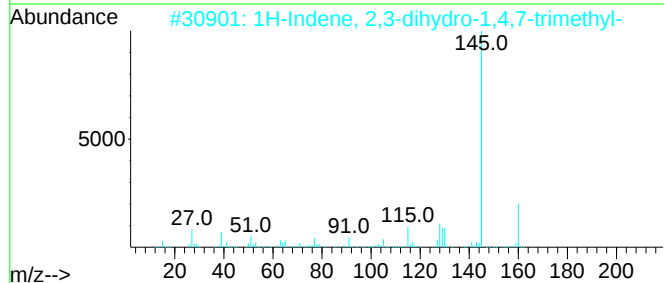
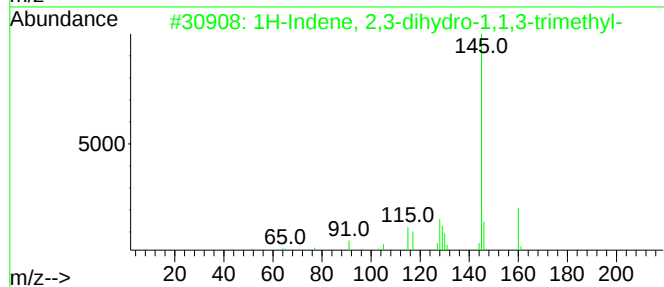
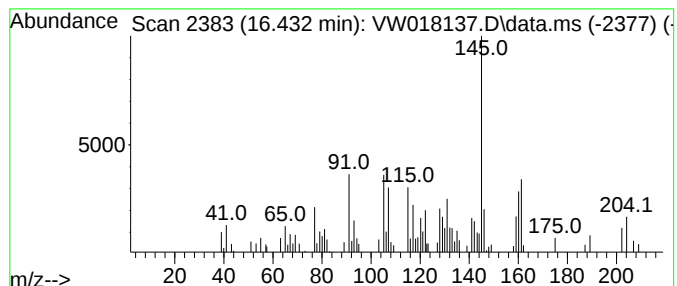
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Quant Title : VOC Analysis

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

Peak Number 15 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.432	2.00 ug/L	36322	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	60
2			1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	50
3			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	49
4			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	49
5			Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018137.D
Acq On : 15 Feb 2021 15:52
Operator : SY/VA
Sample : M1370-11RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY7RE

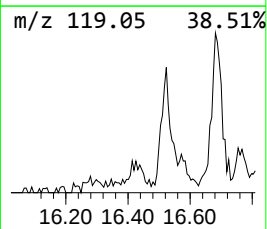
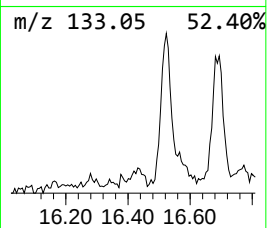
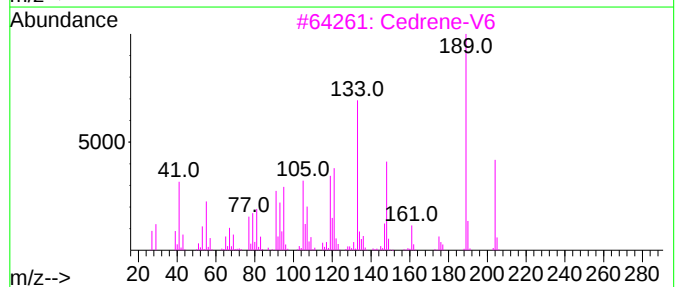
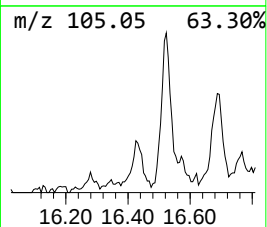
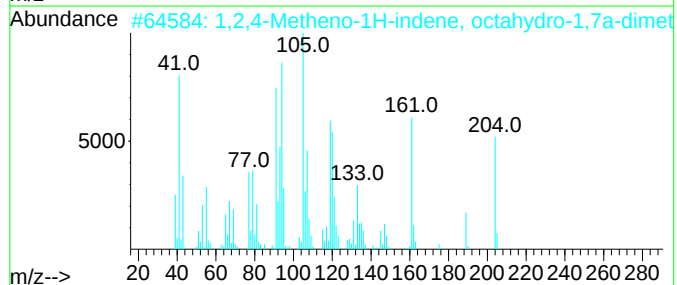
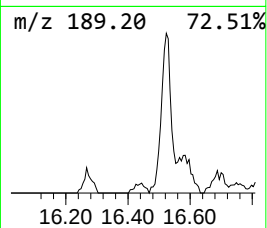
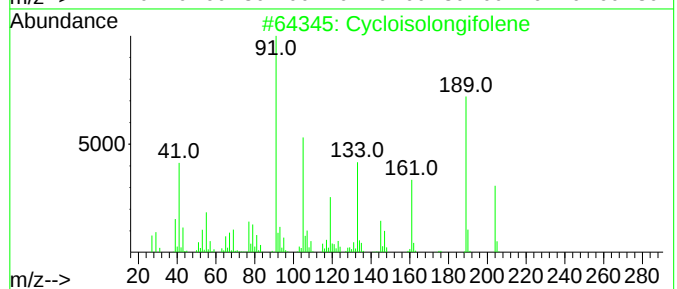
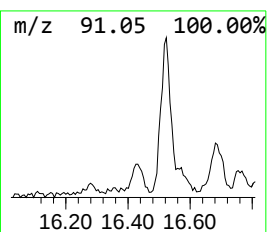
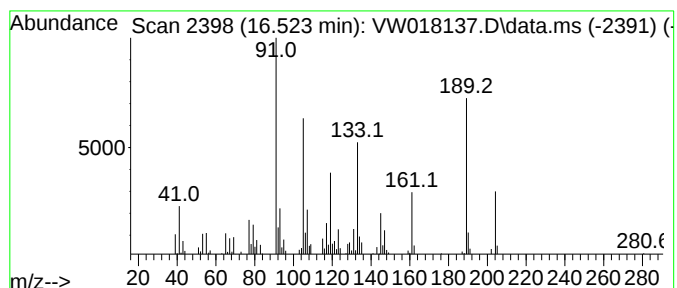
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Quant Title : VOC Analysis

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

Peak Number 16 Cycloisolongifolene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.523	4.23 ug/L	76705	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cycloisolongifolene	204	C15H24	1000151-99-7	96
2			1,2,4-Metheno-1H-indene, octahyd...	204	C15H24	022469-52-9	70
3			Cedrene-V6	204	C15H24	1000162-76-8	70
4			1H-Indene, 2,3,3a,4-tetrahydro-3...	204	C15H24	059742-39-1	49
5			Dihydrocoumarin, 4,4,5,7-tetrame...	204	C13H16O2	040662-14-4	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018137.D
Acq On : 15 Feb 2021 15:52
Operator : SY/VA
Sample : M1370-11RE
Misc : 5.74G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY7RE

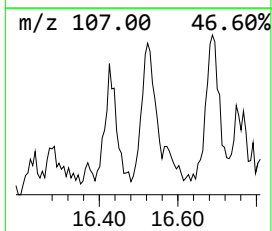
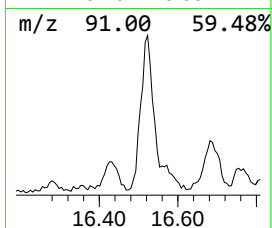
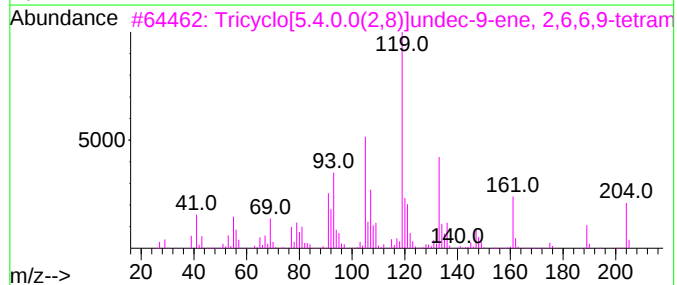
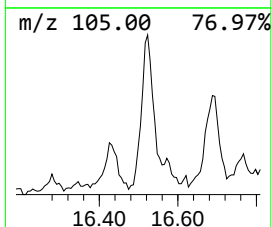
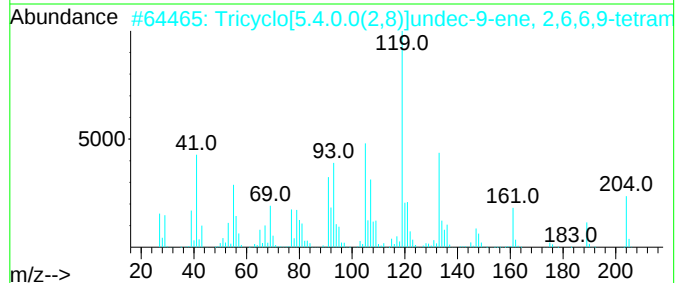
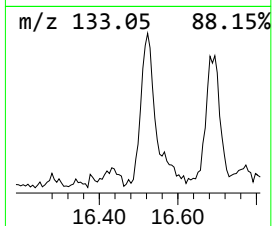
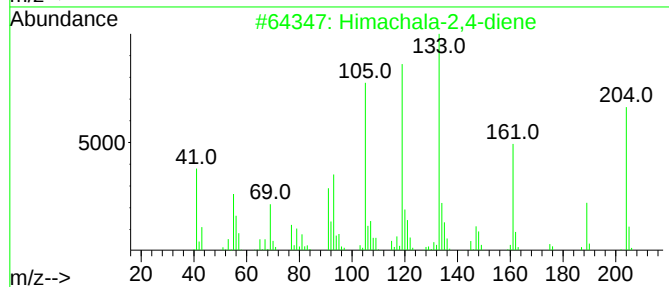
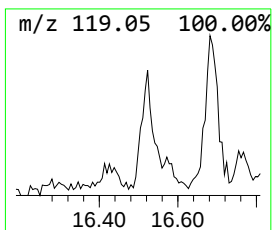
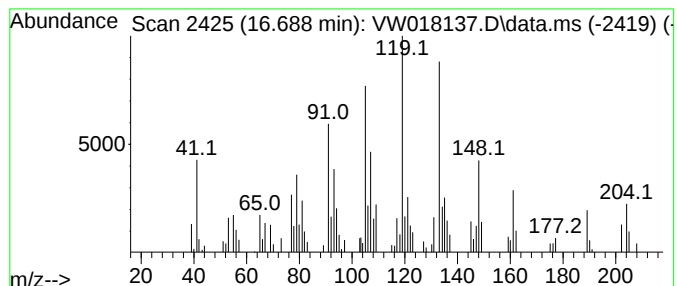
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Quant Title : VOC Analysis

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

Peak Number 17 Himachala-2,4-diene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.688	2.55 ug/L	46271	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Himachala-2,4-diene	204	C15H24	060909-27-5	93
2			Tricyclo[5.4.0.0(2,8)]undec-9-en...	204	C15H24	005989-08-2	50
3			Tricyclo[5.4.0.0(2,8)]undec-9-en...	204	C15H24	005989-08-2	49
4			Di-epi-.alpha.-cedrene	204	C15H24	050894-66-1	46
5			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
 Data File : VW018137.D
 Acq On : 15 Feb 2021 15:52
 Operator : SY/VA
 Sample : M1370-11RE
 Misc : 5.74G/10ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBGY7RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.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
(DEL) Alkane: C...	12.920	5.9	ug/L	107325	3	13.560	453503	25.0
Bicyclo[2.2.1]h...	13.042	5.1	ug/L	93229	3	13.560	453503	25.0
Benzene, tert-b...	13.207	2.1	ug/L	37854	3	13.560	453503	25.0
o-Cymene	13.438	1.7	ug/L	31089	3	13.560	453503	25.0
p-Cymene	13.499	1.8	ug/L	33304	3	13.560	453503	25.0
Benzene, 1-meth...	13.652	2.9	ug/L	52786	3	13.560	453503	25.0
4-tert-Butyltol...	14.133	2.2	ug/L	40304	3	13.560	453503	25.0
Benzene, 1-ethy...	14.182	2.3	ug/L	41216	3	13.560	453503	25.0
Bicyclo[2.2.1]h...	14.432	1.4	ug/L	25261	3	13.560	453503	25.0
unknown-01	14.889	1.3	ug/L	23501	3	13.560	453503	25.0
Bicyclo[2.2.1]h...	15.072	1.4	ug/L	24717	3	13.560	453503	25.0
Benzene, 1-(1,1...	15.980	1.5	ug/L	26649	3	13.560	453503	25.0
1H-Indene, 2,3-...	16.432	2.0	ug/L	36322	3	13.560	453503	25.0
Cycloisolongifo...	16.523	4.2	ug/L	76705	3	13.560	453503	25.0
Himachala-2,4-d...	16.688	2.5	ug/L	46271	3	13.560	453503	25.0