

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041919\
 Data File : VW010071.D
 Acq On : 19 Apr 2019 18:09
 Operator : SY/VA
 Sample : K2455-20
 Misc : 5.09G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHS0

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\SOM2WLM041519S.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	1.965	7	10	18	rVB4	9256	18561	0.03%	0.010%
2	2.154	38	41	44	rBV2	4884	7227	0.01%	0.004%
3	2.269	57	60	62	rBV4	2796	3092	0.01%	0.002%
4	2.361	69	75	90	rBV	80930	237485	0.42%	0.133%
5	2.623	112	118	120	rBV6	8086	14631	0.03%	0.008%
6	2.885	154	161	179	rVB	83345	260868	0.46%	0.146%
7	3.464	254	256	260	rVB4	2853	2929	0.01%	0.002%
8	3.501	260	262	263	rBV2	2502	2372	0.00%	0.001%
9	4.013	333	346	360	rBV2	235312	858846	1.50%	0.481%
10	4.397	400	409	416	rBV2	7151	21530	0.04%	0.012%
11	4.495	422	425	430	rVB4	2143	2999	0.01%	0.002%
12	4.659	444	452	453	rBV2	5380	7284	0.01%	0.004%
13	4.678	453	455	460	rVB3	5117	7003	0.01%	0.004%
14	4.903	480	492	493	rBV2	46540	92876	0.16%	0.052%
15	5.184	534	538	542	rVV4	1118	2157	0.00%	0.001%
16	5.537	593	596	601	rBV5	1266	2486	0.00%	0.001%
17	5.927	649	660	670	rBV2	15807	48714	0.09%	0.027%
18	7.080	839	849	861	rBV	86944	251007	0.44%	0.140%
19	7.256	871	878	889	rVB	15389	39773	0.07%	0.022%
20	7.543	920	925	931	rVB7	2571	4893	0.01%	0.003%
21	7.640	931	941	956	rVB	497096	1170795	2.05%	0.655%
22	7.939	986	990	992	rBV4	2029	3078	0.01%	0.002%
23	8.268	1034	1044	1060	rBV2	893019	2668080	4.67%	1.493%
24	8.384	1060	1063	1068	rVB7	1618	2894	0.01%	0.002%
25	8.628	1098	1103	1107	rVB7	1107	2380	0.00%	0.001%
26	8.841	1126	1138	1147	rBV	931609	1836259	3.21%	1.028%
27	9.073	1170	1176	1184	rVB6	8801	19569	0.03%	0.011%
28	9.274	1199	1209	1220	rBV	646809	1298773	2.27%	0.727%
29	9.652	1266	1271	1272	rBV4	4304	4423	0.01%	0.002%
30	9.756	1281	1288	1296	rVB5	5578	12680	0.02%	0.007%
31	9.890	1302	1310	1319	rBV5	12336	30499	0.05%	0.017%
32	10.030	1324	1333	1342	rBV	328758	608155	1.06%	0.340%
33	10.244	1364	1368	1373	rBV2	7252	11091	0.02%	0.006%
34	10.323	1373	1381	1388	rBV	1263179	2166846	3.79%	1.213%

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Integration Parameters: LSCINT.P

Integrator: RTE
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Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
 Title : VOC Analysis

35	10.390	1388	1392	1403	rVB	33676	62207	0.11%	0.035%
36	10.475	1403	1406	1407	rVB2	2392	2098	0.00%	0.001%
37	10.500	1407	1410	1413	rBV5	2738	3673	0.01%	0.002%
38	10.579	1413	1423	1435	rBV	218449	382818	0.67%	0.214%
39	10.701	1438	1443	1450	rVB	9768	17715	0.03%	0.010%
40	10.774	1450	1455	1458	rVB7	3027	4300	0.01%	0.002%
41	10.853	1462	1468	1472	rBV7	4056	7274	0.01%	0.004%
42	10.926	1473	1480	1488	rBV	366523	617101	1.08%	0.345%
43	11.067	1501	1503	1508	rVB6	5722	9132	0.02%	0.005%
44	11.109	1508	1510	1514	rVB5	3303	2824	0.00%	0.002%
45	11.347	1545	1549	1550	rBV4	2173	2272	0.00%	0.001%
46	11.627	1588	1595	1606	rVB	1278598	2198644	3.85%	1.230%
47	11.841	1623	1630	1635	rBV3	18612	42127	0.07%	0.024%
48	12.012	1656	1658	1662	rBV5	3181	4356	0.01%	0.002%
49	12.042	1662	1663	1668	rVB5	3846	4015	0.01%	0.002%
50	12.176	1677	1685	1692	rBV3	29503	61033	0.11%	0.034%
51	12.341	1709	1712	1713	rBV3	5985	5236	0.01%	0.003%
52	12.609	1751	1756	1762	rBV	17829	33211	0.06%	0.019%
53	12.694	1762	1770	1778	rBV	457852	757646	1.33%	0.424%
54	12.780	1780	1784	1787	rBV6	13870	25646	0.04%	0.014%
55	12.865	1792	1798	1799	rBV2	51885	69421	0.12%	0.039%
56	12.944	1806	1811	1822	rVB2	136864	284876	0.50%	0.159%
57	13.109	1831	1838	1844	rBV3	24721	59387	0.10%	0.033%
58	13.170	1844	1848	1851	rBV6	14151	25580	0.04%	0.014%
59	13.255	1856	1862	1866	rBV	184769	324392	0.57%	0.182%
60	13.304	1866	1870	1874	rVV	146491	253016	0.44%	0.142%
61	13.353	1876	1878	1885	rVB4	46657	71328	0.12%	0.040%
62	13.444	1890	1893	1898	rVB5	35356	59584	0.10%	0.033%
63	13.560	1906	1912	1928	rVB3	1182428	2313120	4.05%	1.295%
64	13.755	1940	1944	1946	rBV	81728	104826	0.18%	0.059%
65	13.792	1946	1950	1954	rVB2	406996	548789	0.96%	0.307%
66	13.859	1954	1961	1969	rVB2	1009172	2338227	4.09%	1.309%
67	13.944	1970	1975	1979	rBV2	162964	291651	0.51%	0.163%
68	14.017	1983	1987	1988	rBV	168644	223997	0.39%	0.125%
69	14.042	1988	1991	1997	rVV2	231628	419167	0.73%	0.235%
70	14.103	1997	2001	2004	rVB	437435	573862	1.00%	0.321%
71	14.145	2004	2008	2014	rVB2	263754	452849	0.79%	0.253%

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Integration Parameters: LSCINT.P

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72	14.237	2014	2023	2028	rBV	1600654	2743454	4.80%	1.535%
73	14.286	2028	2031	2036	rVB2	344028	501699	0.88%	0.281%
74	14.340	2036	2040	2044	rVB2	196441	286860	0.50%	0.161%
75	14.389	2044	2048	2050	rBV2	254416	398793	0.70%	0.223%
76	14.420	2050	2053	2057	rVV	796477	1251479	2.19%	0.700%
77	14.462	2057	2060	2064	rVV	1395737	1879482	3.29%	1.052%
78	14.505	2064	2067	2071	rVV	544030	729910	1.28%	0.408%
79	14.560	2071	2076	2081	rVV4	1184352	2029345	3.55%	1.136%
80	14.609	2081	2084	2087	rVB3	197426	254871	0.45%	0.143%
81	14.645	2087	2090	2094	rVB	212492	266868	0.47%	0.149%
82	14.694	2094	2098	2100	rBV2	383742	614817	1.08%	0.344%
83	14.731	2100	2104	2109	rVB3	1112257	1722367	3.01%	0.964%
84	14.798	2109	2115	2121	rBV2	2093759	4228077	7.40%	2.366%
85	14.871	2121	2127	2136	rVB6	1028798	2439726	4.27%	1.365%
86	14.956	2136	2141	2147	rBV	2090294	3495966	6.12%	1.956%
87	15.072	2156	2160	2164	rBV3	452288	679811	1.19%	0.380%
88	15.182	2173	2178	2184	rBV3	772489	1725413	3.02%	0.966%
89	15.322	2197	2201	2204	rBV4	599201	1060634	1.86%	0.594%
90	15.371	2204	2209	2216	rVB	8441970	14589412	25.52%	8.165%
91	15.474	2222	2226	2231	rBV2	512350	806480	1.41%	0.451%
92	15.560	2237	2240	2248	rVB	1223797	1966417	3.44%	1.100%
93	15.663	2251	2257	2262	rVV3	664239	1460956	2.56%	0.818%
94	15.730	2263	2268	2277	rVB6	527770	1411097	2.47%	0.790%
95	15.852	2281	2288	2294	rVV2	619537	1538426	2.69%	0.861%
96	15.968	2300	2307	2313	rBV3	906727	2397577	4.19%	1.342%
97	16.175	2334	2341	2346	rBV8	225464	591876	1.04%	0.331%
98	16.383	2367	2375	2378	rBV3	446497	1156666	2.02%	0.647%
99	16.450	2378	2386	2394	rBV	26767637	57159321	100.00%	31.988%
100	16.657	2410	2420	2431	rVB	19635139	44920752	78.59%	25.139%

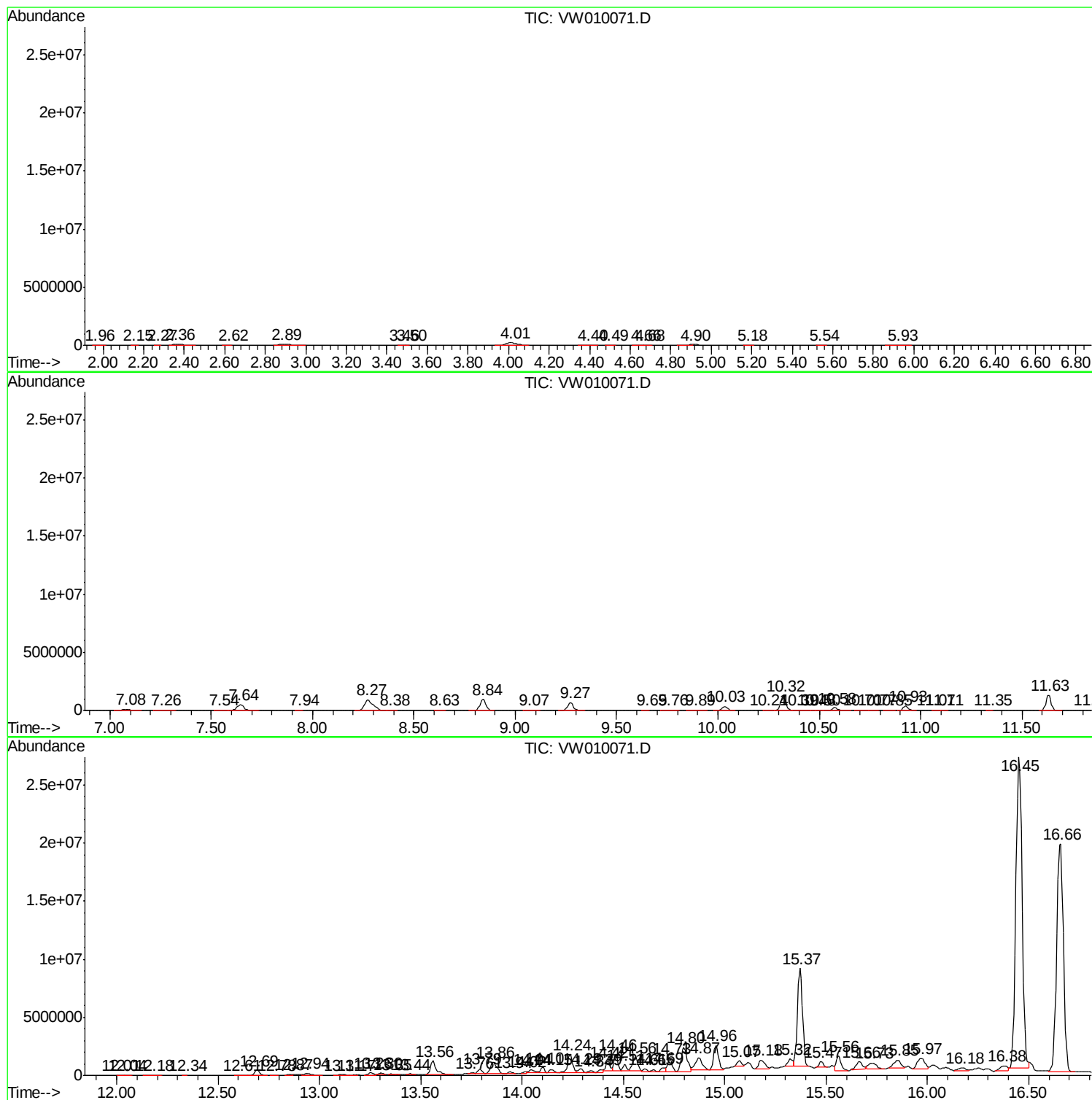
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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



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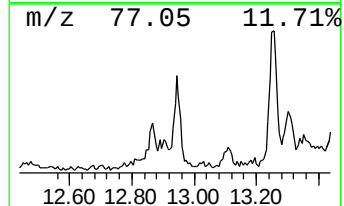
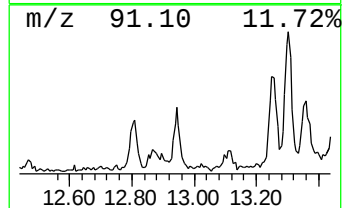
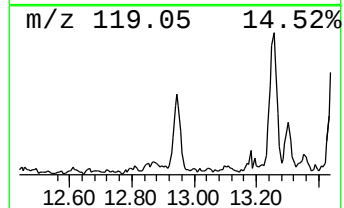
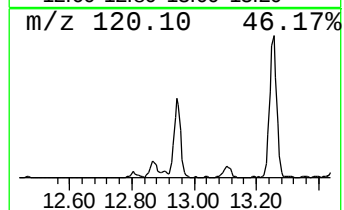
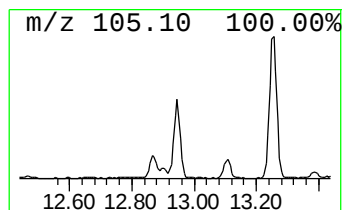
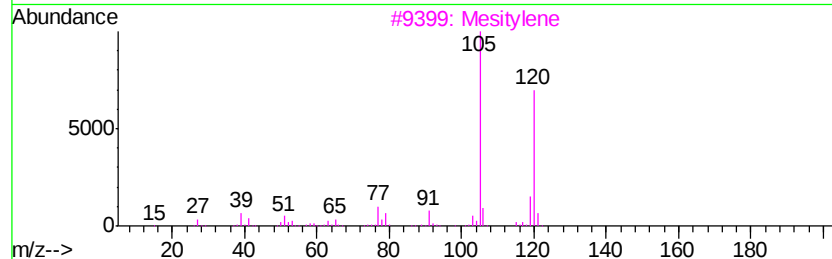
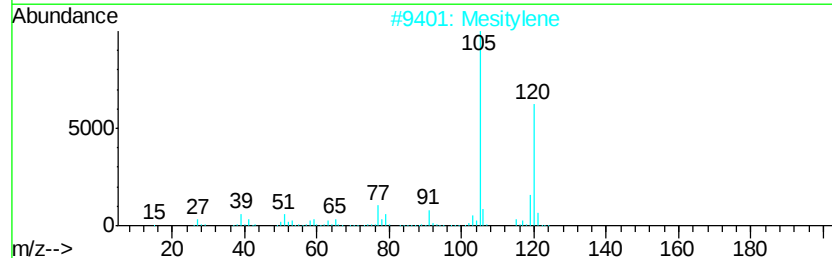
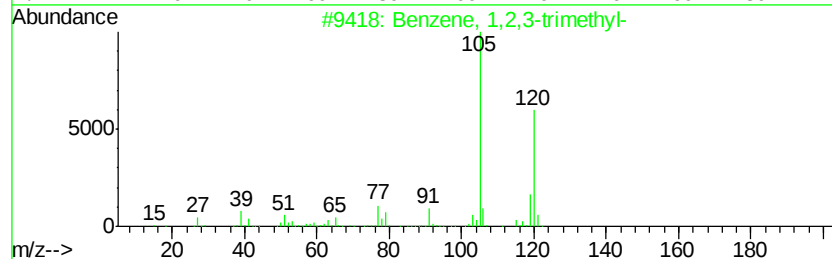
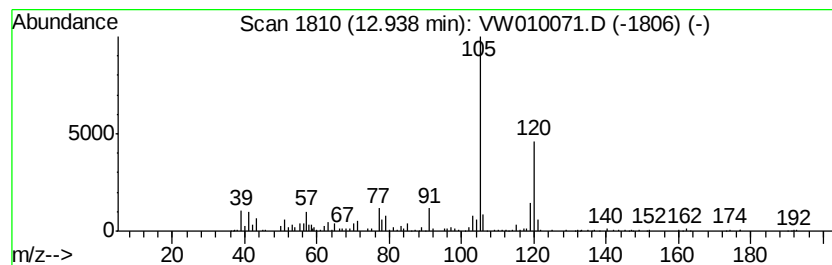
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 2 Mesitylene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	3.08 ug/L	284876	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2		Mesitylene	120	C9H12	000108-67-8	95
3		Mesitylene	120	C9H12	000108-67-8	94
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91



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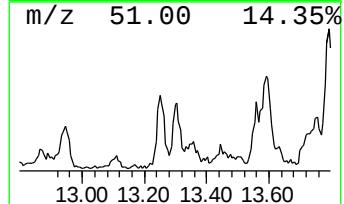
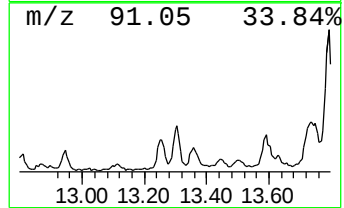
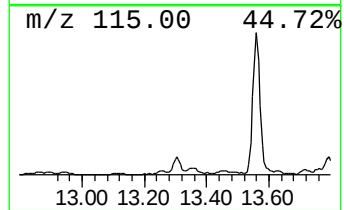
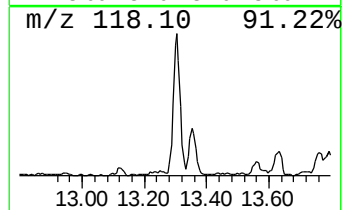
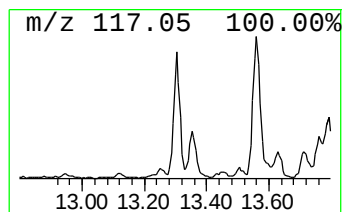
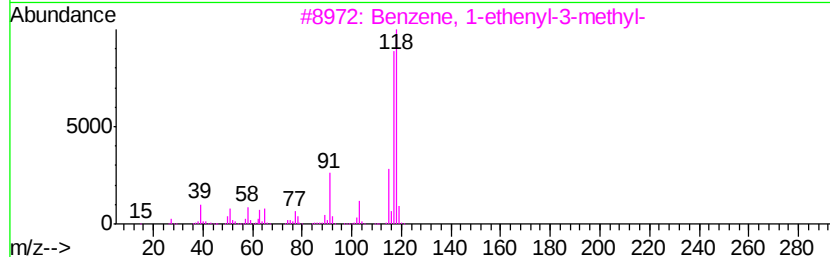
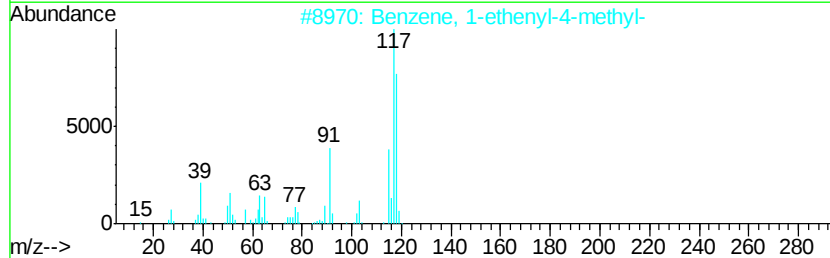
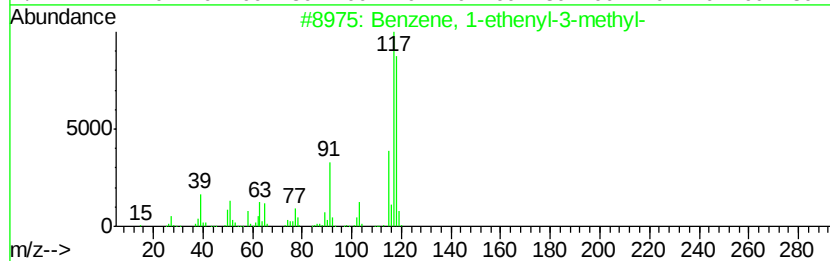
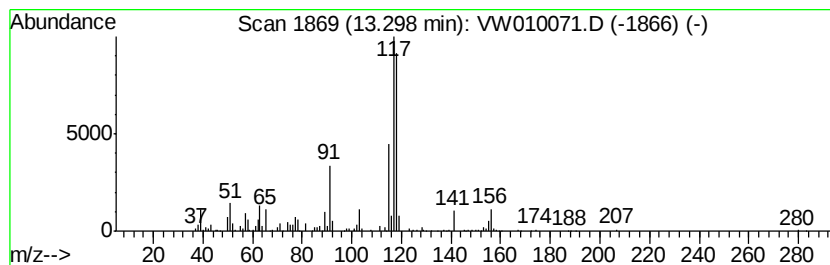
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Quant Title : VOC Analysis

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

Peak Number 4 Benzene, 1-ethenyl-3-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	2.73 ug/L	253016	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2		Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
3		Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	95
4		Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
5		Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94



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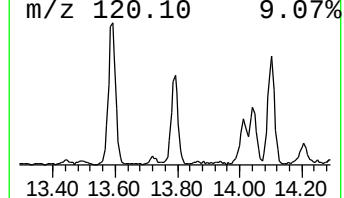
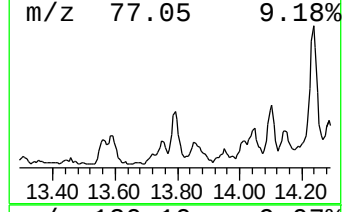
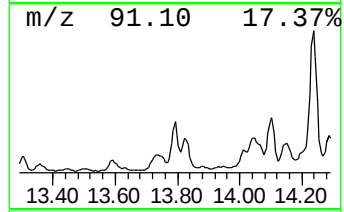
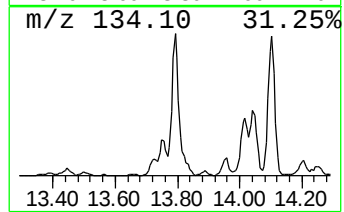
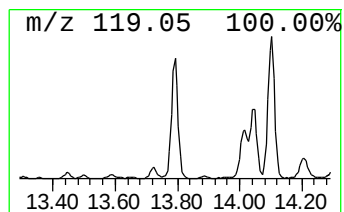
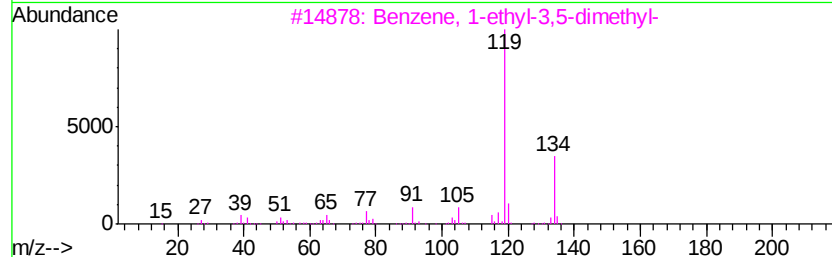
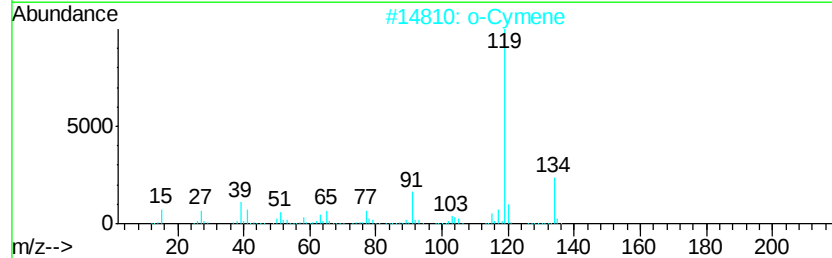
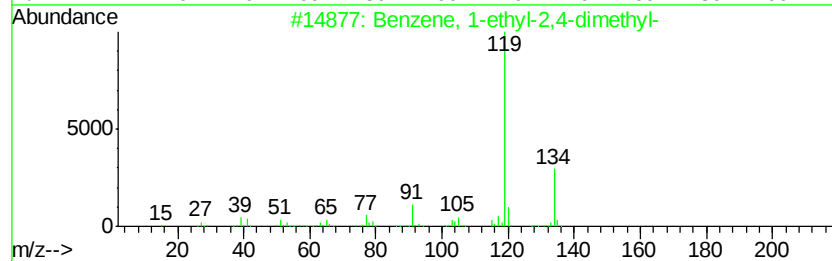
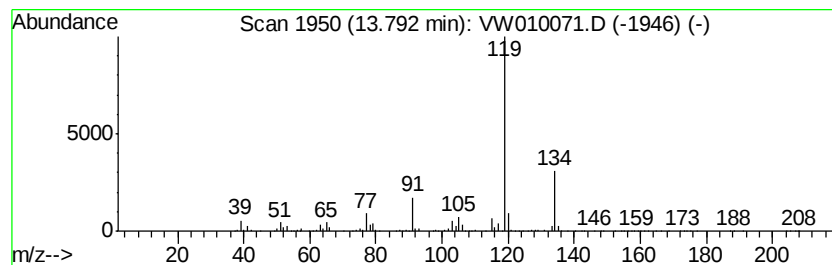
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 5 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	5.93 ug/L	548789	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
2		o-Cymene	134	C10H14	000527-84-4	91
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS0

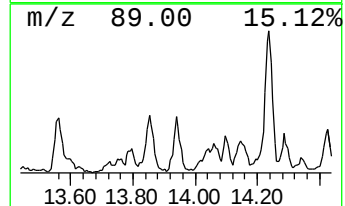
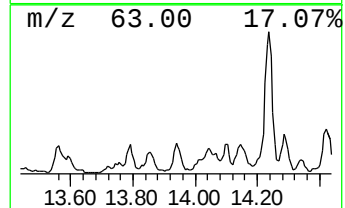
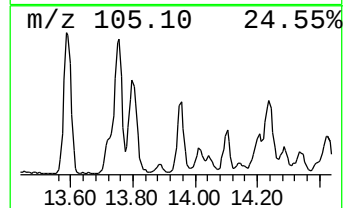
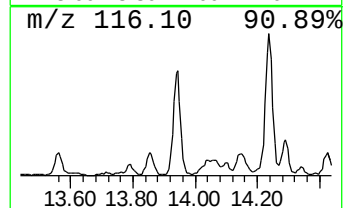
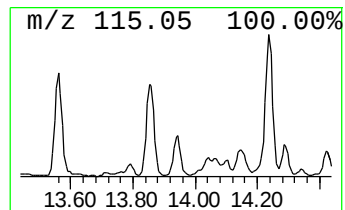
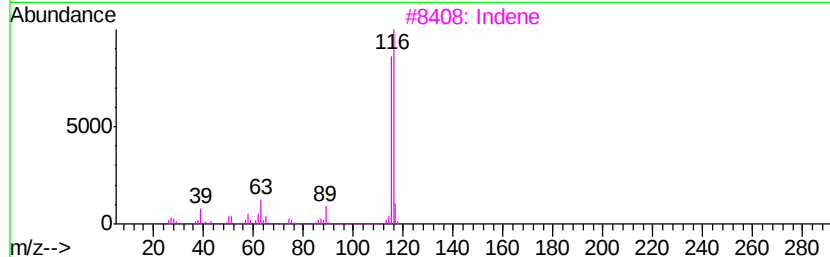
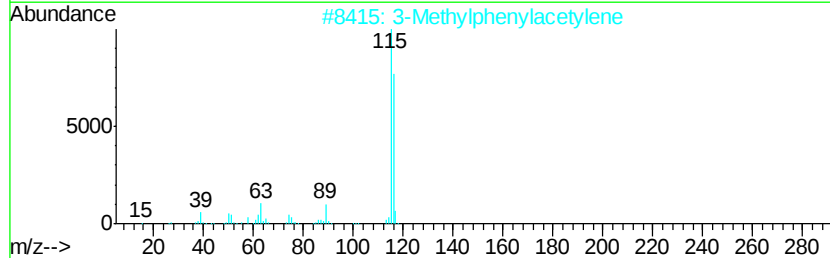
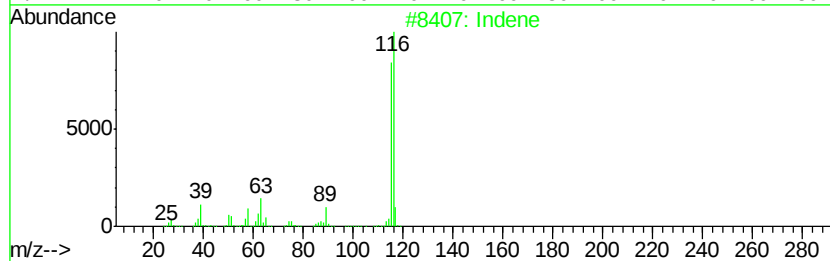
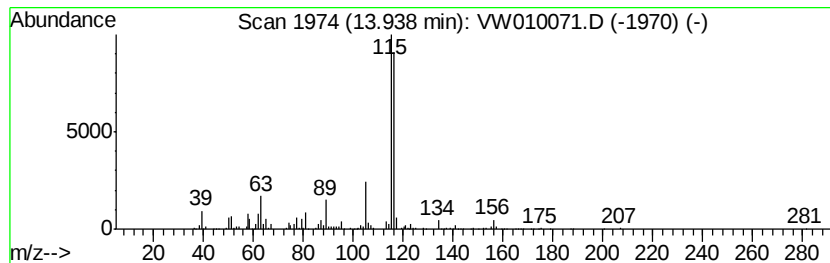
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Quant Title : VOC Analysis

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

Peak Number 6 Indene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	3.15 ug/L	291651	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indene	116	C9H8	000095-13-6	95
2		3-Methylphenylacetylene	116	C9H8	000766-82-5	94
3		Indene	116	C9H8	000095-13-6	94
4		Benzene, 1-propynyl-	116	C9H8	000673-32-5	81
5		Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS0

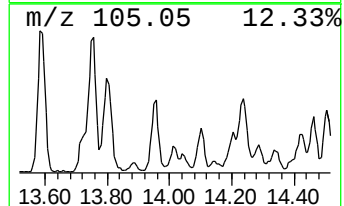
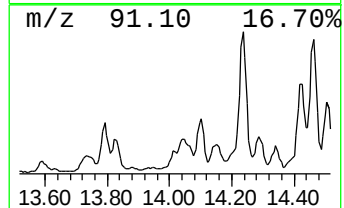
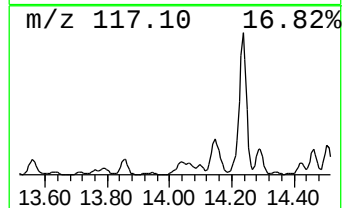
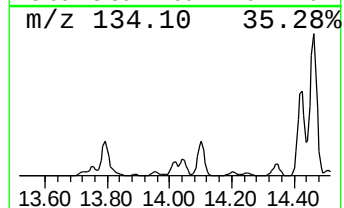
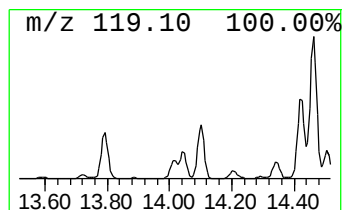
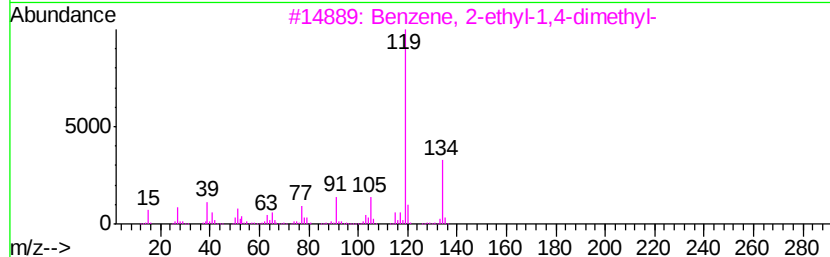
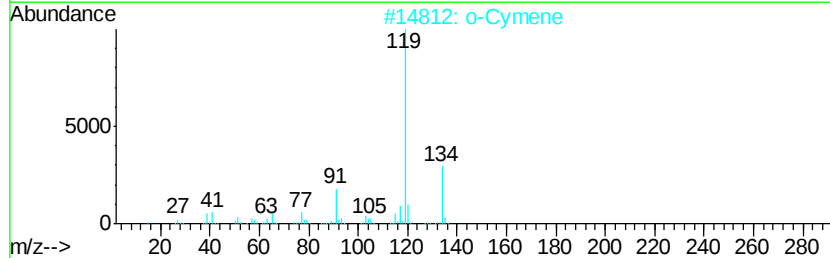
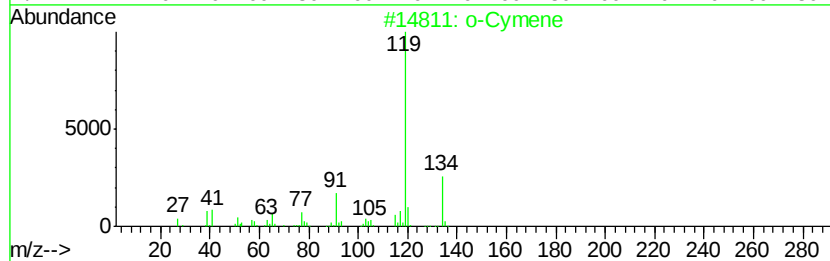
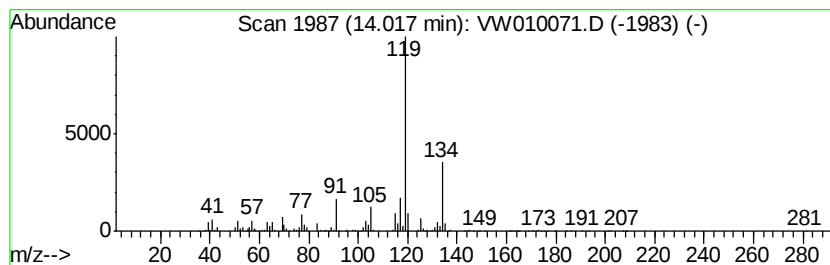
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Quant Title : VOC Analysis

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

Peak Number 7 o-Cymene Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	2.42 ug/L	223997	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	93
2		o-Cymene	134	C10H14	000527-84-4	93
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleID :
GAHS0

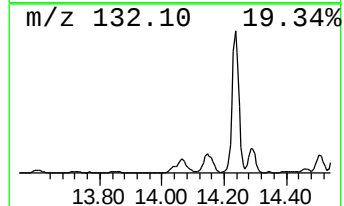
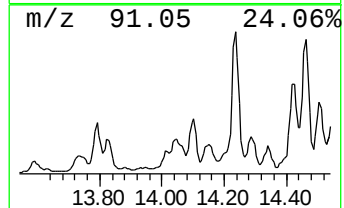
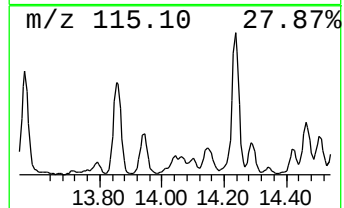
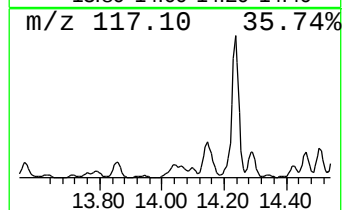
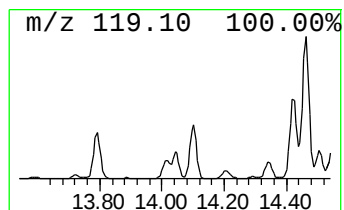
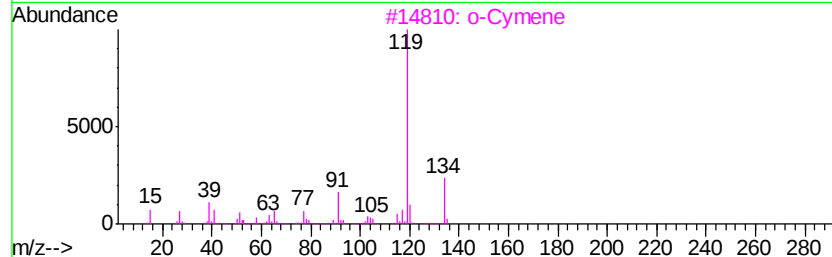
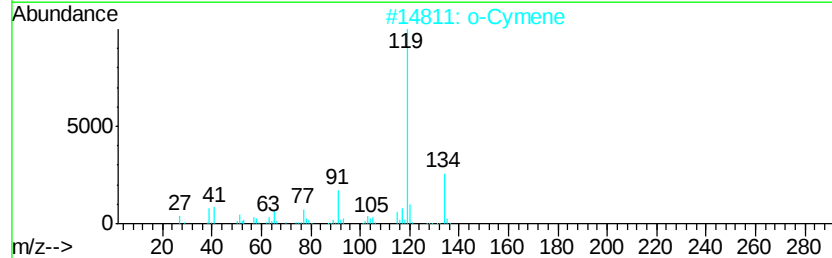
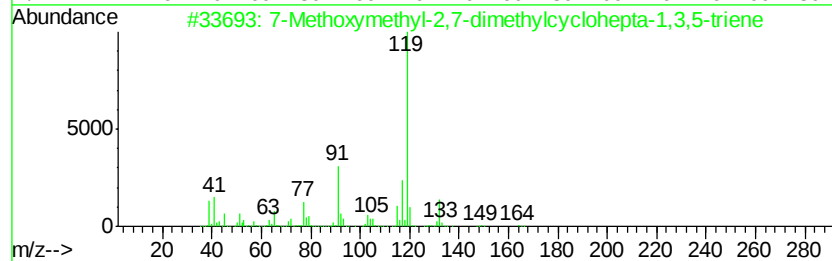
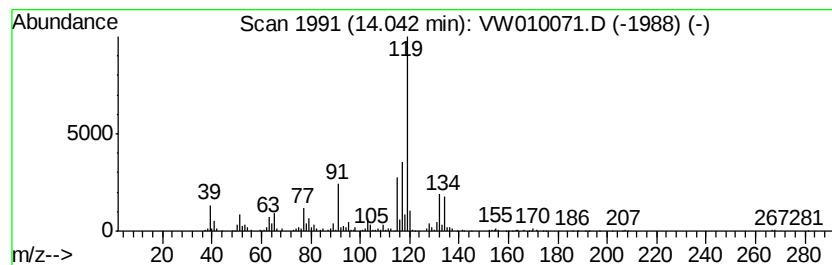
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Quant Title : VOC Analysis

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

Peak Number 8 7-Methoxymethyl-2,7-dimethy... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	4.53 ug/L	419167	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7-Methoxymethyl-2,7-dimethylcyclo...	164	C11H16O	073992-48-0	64
2		o-Cymene	134	C10H14	000527-84-4	53
3		o-Cymene	134	C10H14	000527-84-4	53
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	53
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
GAHS0

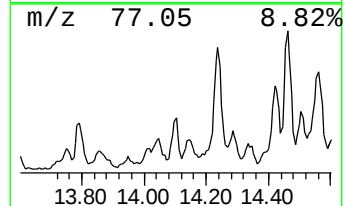
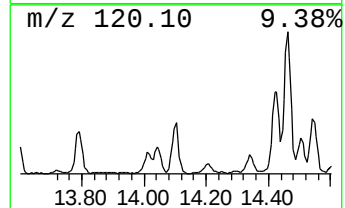
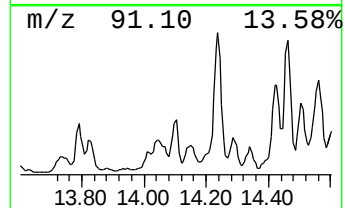
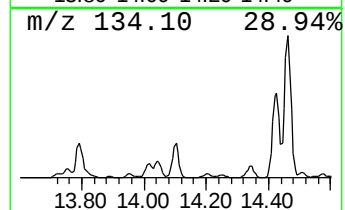
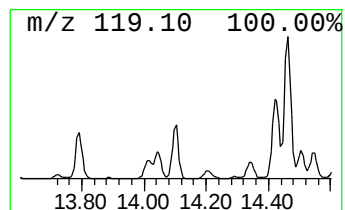
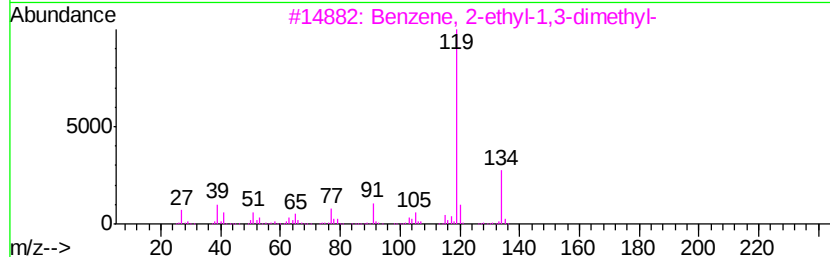
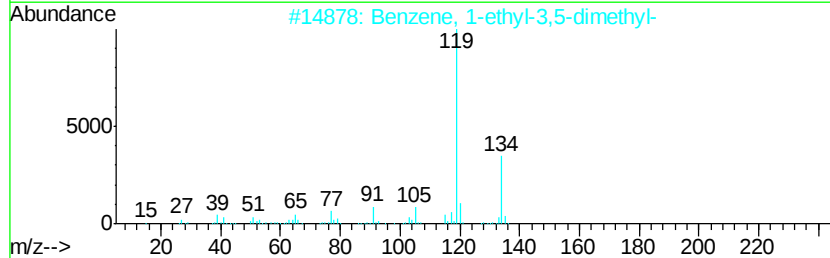
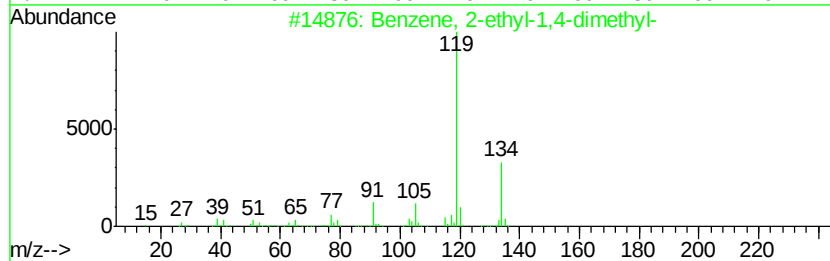
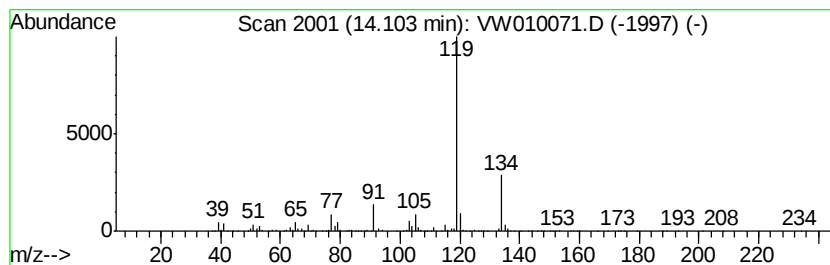
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Quant Title : VOC Analysis

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

Peak Number 9 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	6.20 ug/L	573862	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
2		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS0

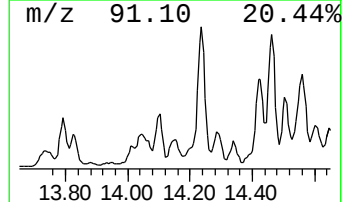
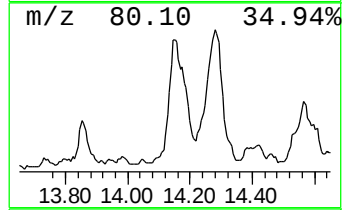
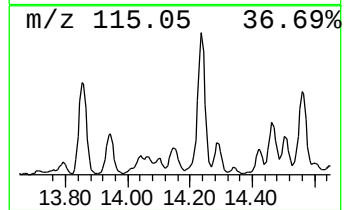
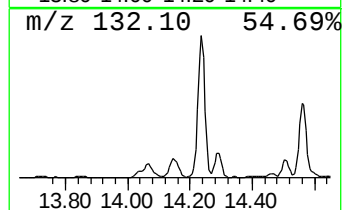
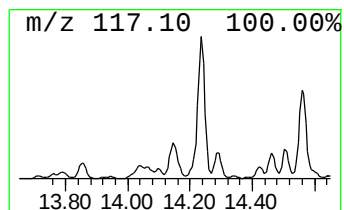
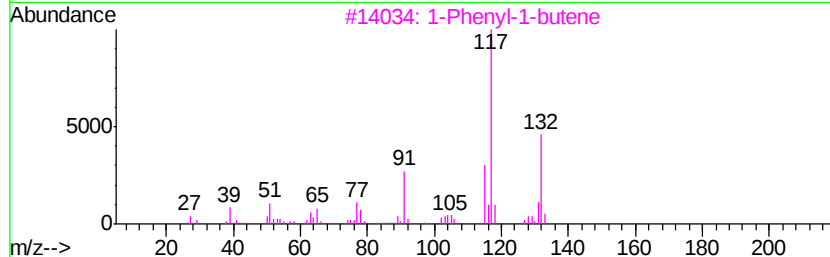
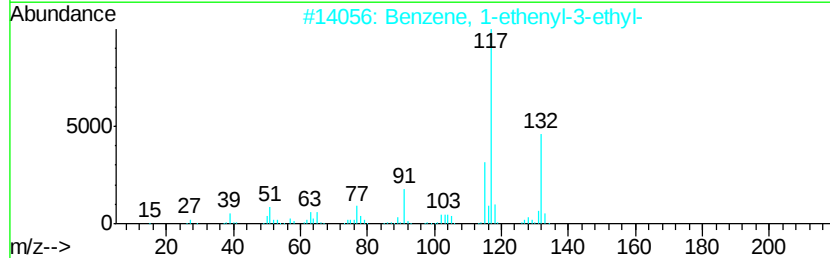
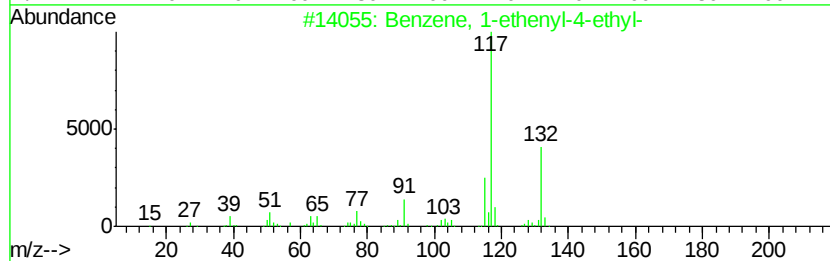
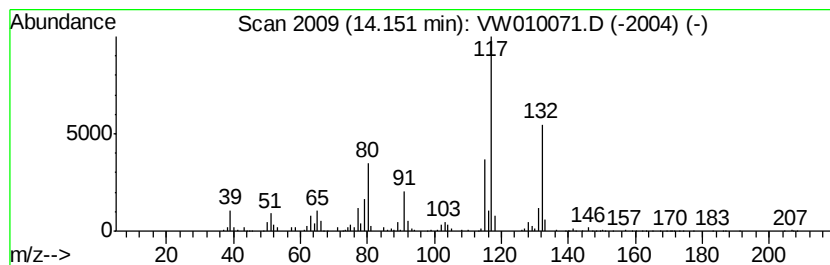
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Quant Title : VOC Analysis

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

Peak Number 10 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	4.89 ug/L	452849	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	95
2		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	94
3		1-Phenyl-1-butene	132	C10H12	000824-90-8	91
4		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
5		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS0

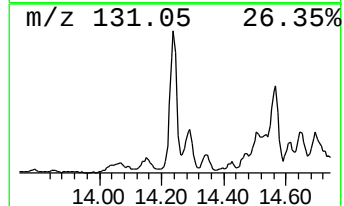
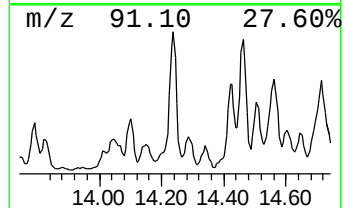
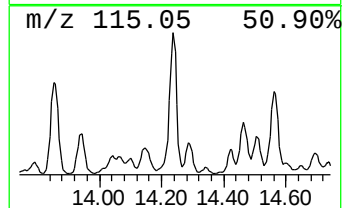
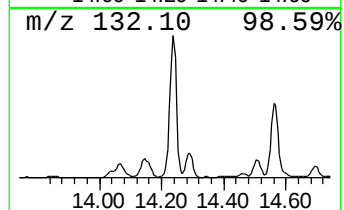
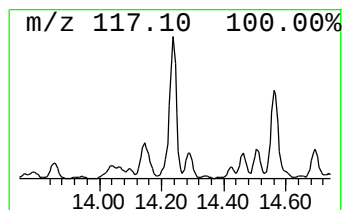
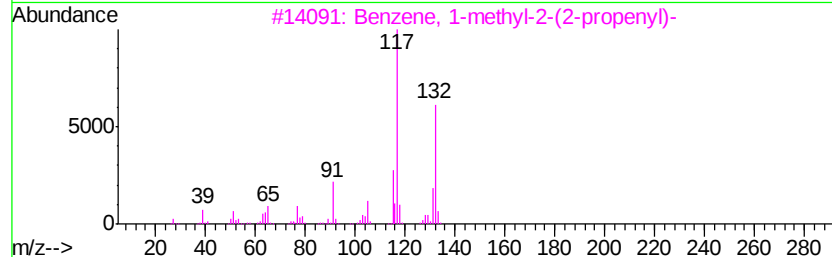
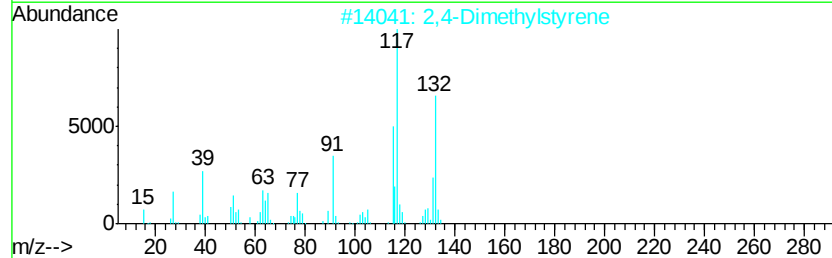
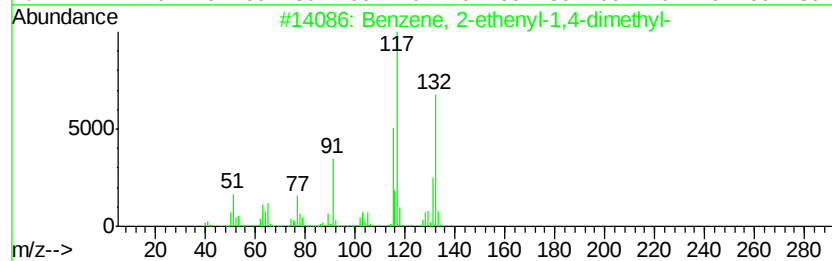
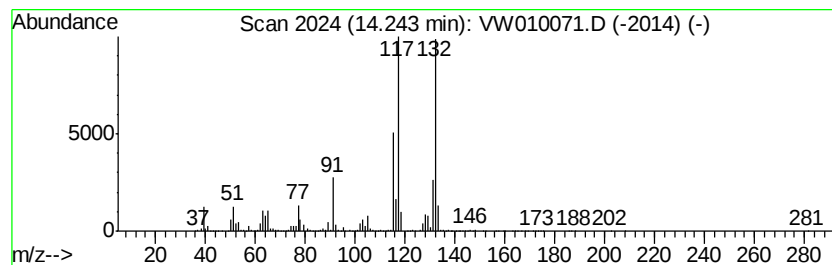
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Quant Title : VOC Analysis

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

Peak Number 11 Benzene, 1-methyl-2-(2-prop... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	29.65 ug/L	2743450	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
2		2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
3		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	95
4		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
5		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

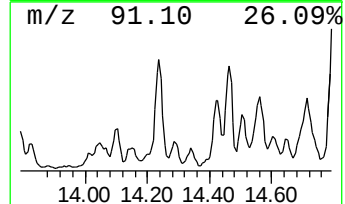
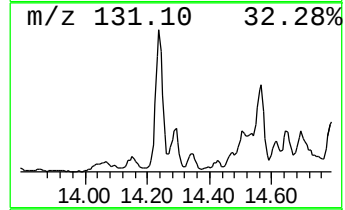
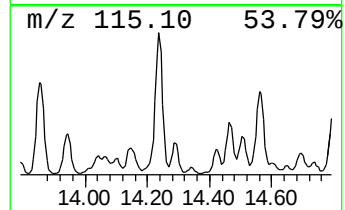
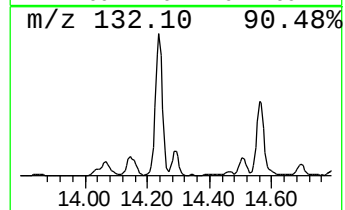
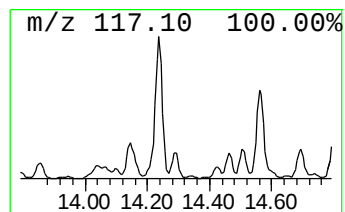
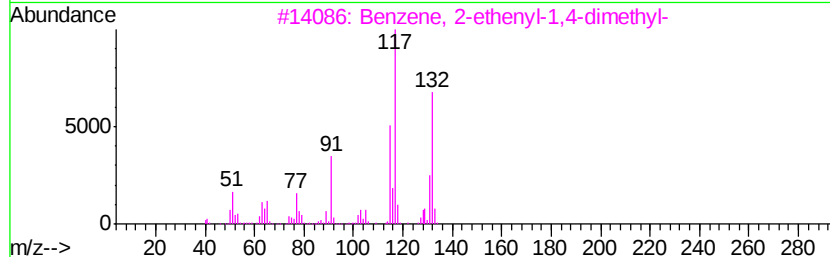
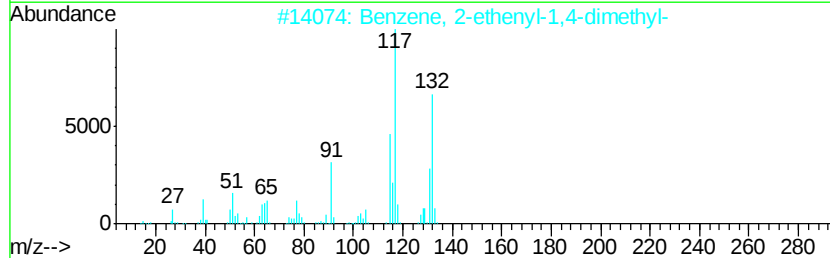
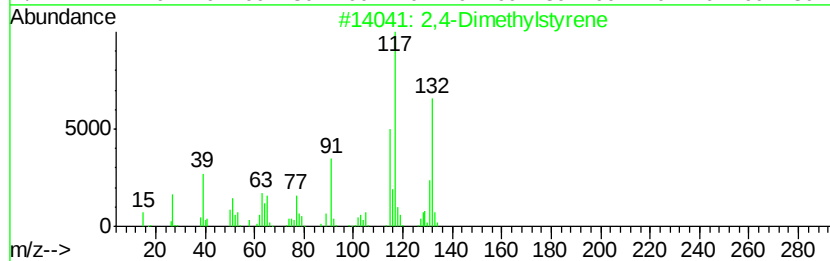
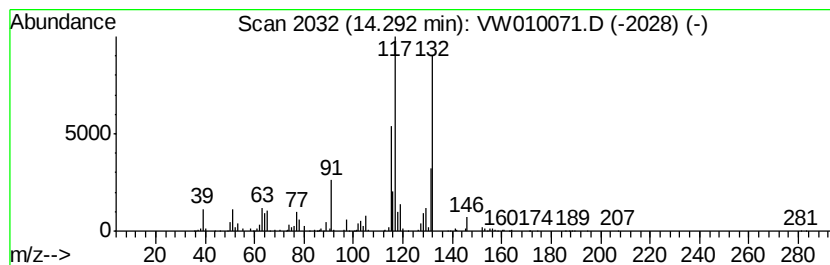
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ClientSampleId :
GAHS0

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 12 2,4-Dimethylstyrene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	5.42 ug/L	501699	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2,4-Dimethylstvrene		132 C10H12	002234-20-0 96
2	Benzene, 2-ethenyl-1,4-dimethyl-		132 C10H12	002039-89-6 96
3	Benzene, 2-ethenyl-1,4-dimethyl-		132 C10H12	002039-89-6 95
4	Benzene, 2-ethenyl-1,3-dimethyl-		132 C10H12	002039-90-9 93
5	Benzene, 2-ethenyl-1,3-dimethyl-		132 C10H12	002039-90-9 93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

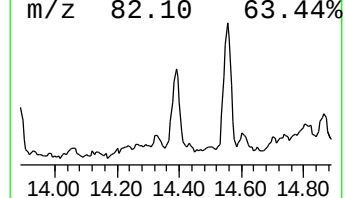
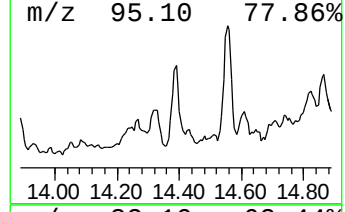
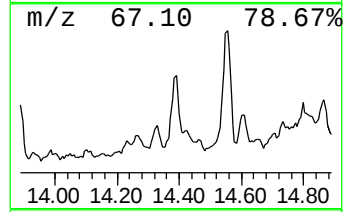
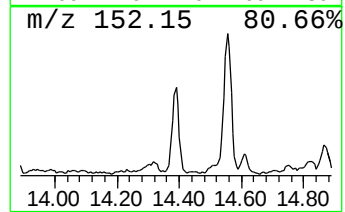
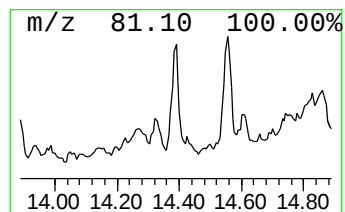
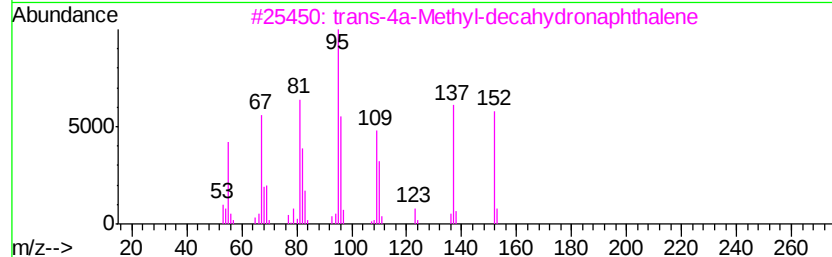
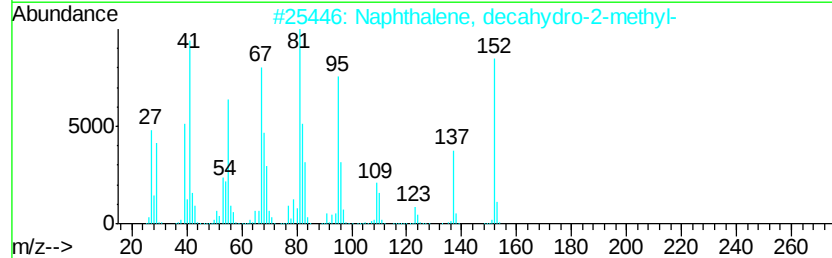
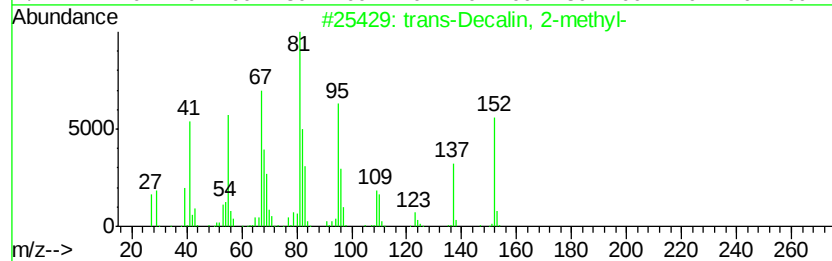
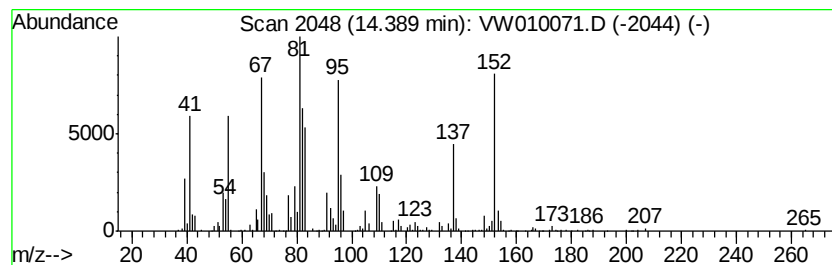
Instrument :
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ClientSampleId :
GAHS0

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 14 trans-Decalin, 2-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.39	4.31 ug/L	398793	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	94
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	93
3	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	86
4	Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	72
5	Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS0

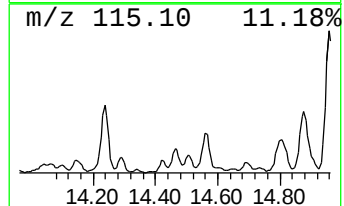
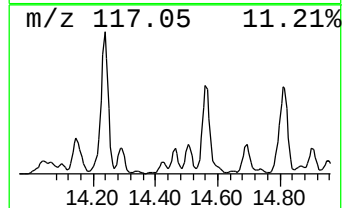
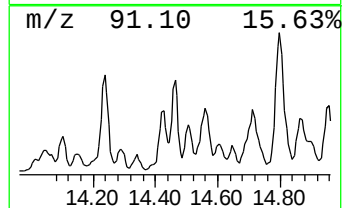
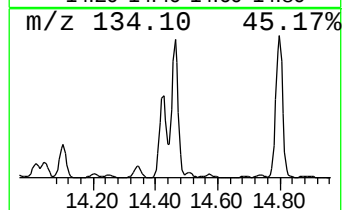
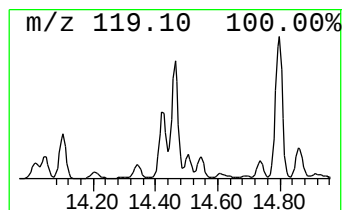
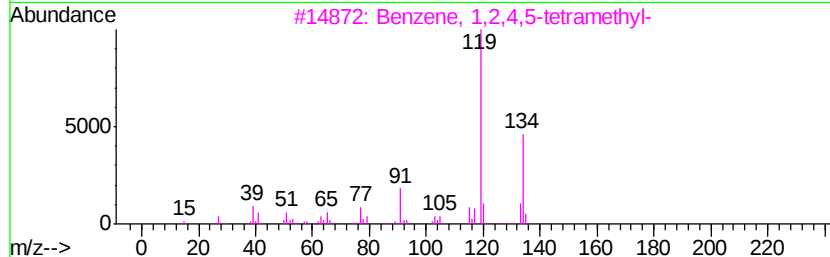
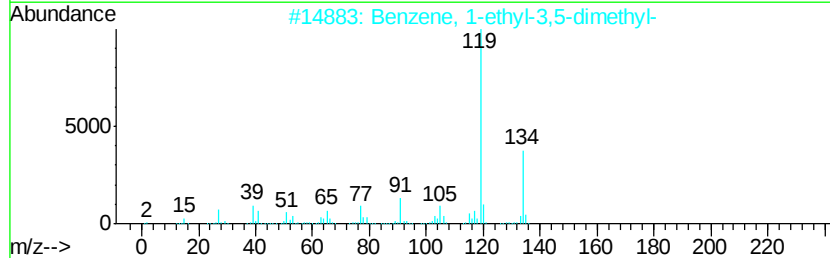
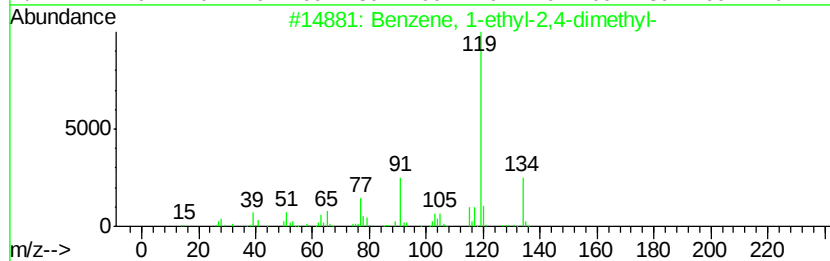
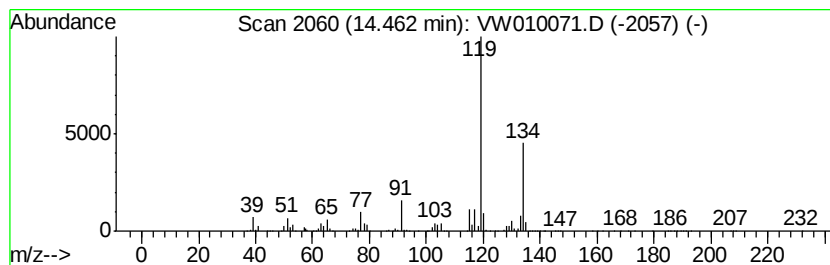
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Quant Title : VOC Analysis

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

Peak Number 16 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	20.31 ug/L	1879480	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
2		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS0

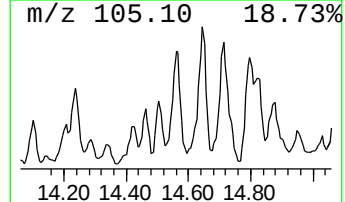
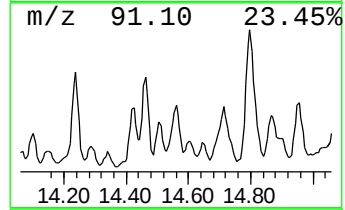
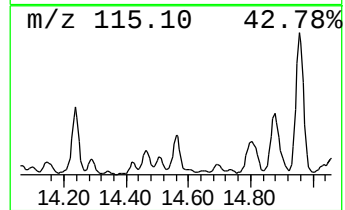
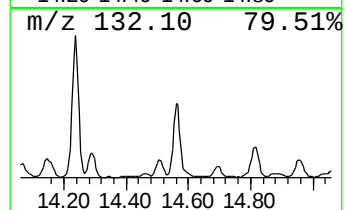
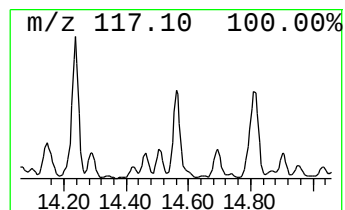
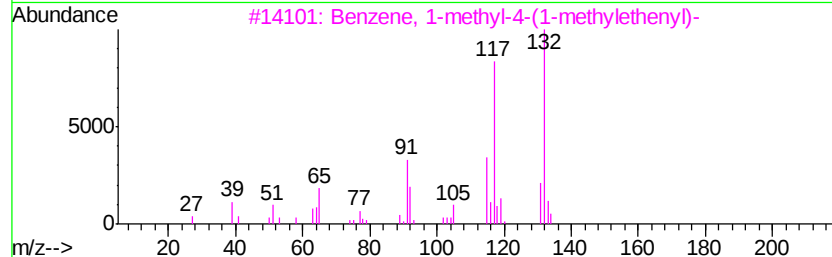
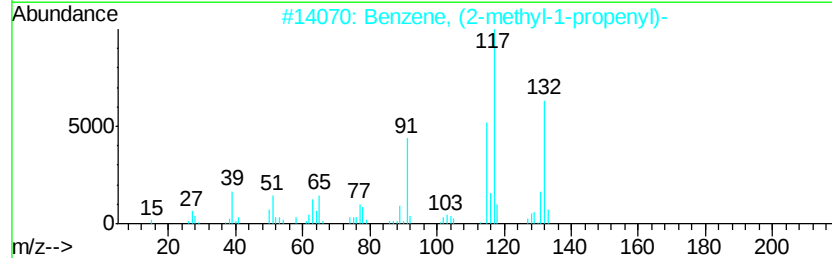
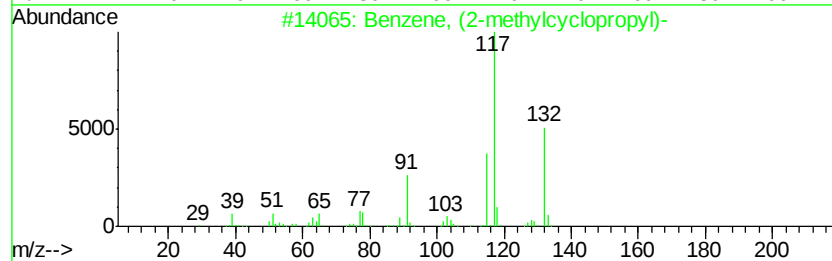
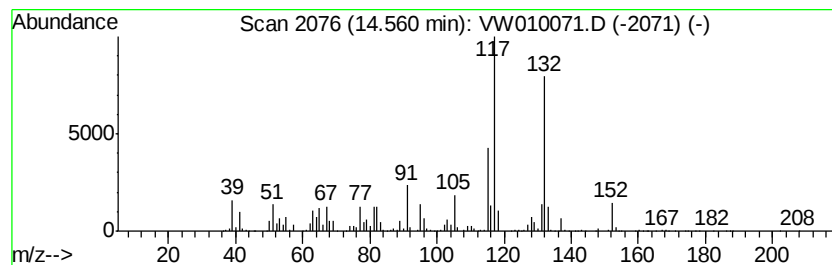
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Quant Title : VOC Analysis

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

Peak Number 18 Benzene, (2-methylcycloprop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	21.93 ug/L	2029350	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	95
2		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	93
3		Benzene, 1-methyl-4-(1-methylethyl)-	132	C10H12	001195-32-0	93
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	93
5		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS0

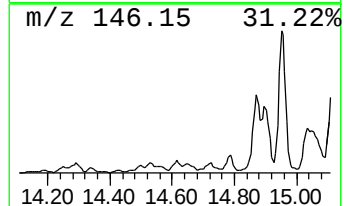
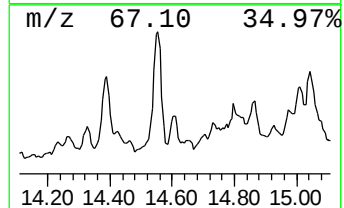
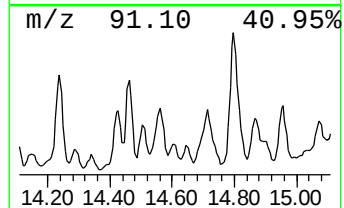
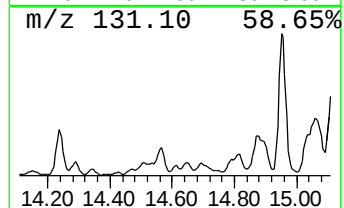
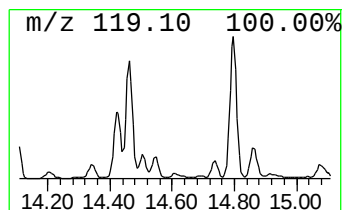
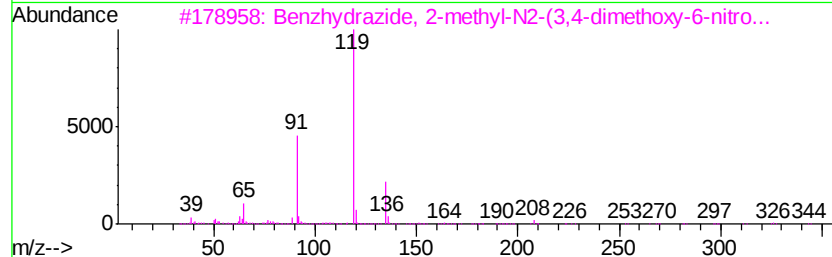
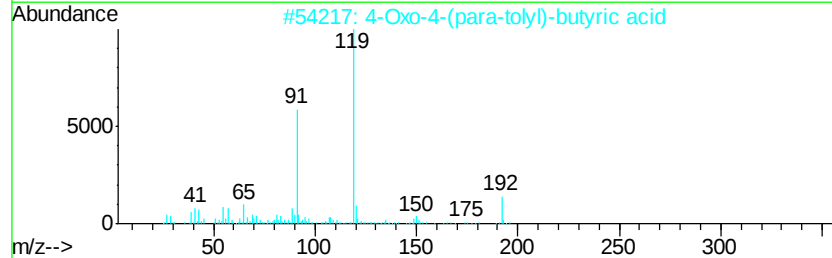
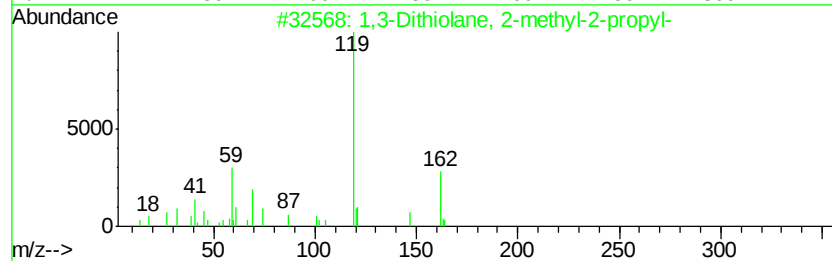
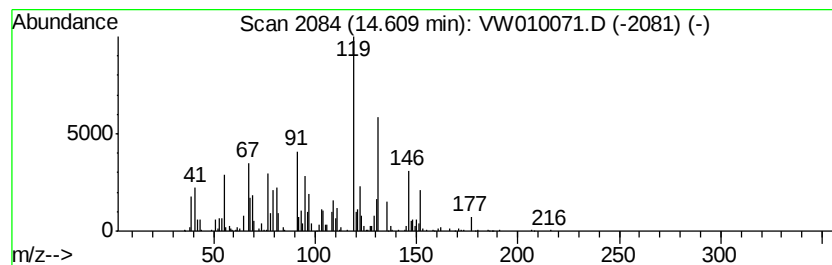
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Quant Title : VOC Analysis

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

Peak Number 19 unknown-01 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	2.75 ug/L	254871	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Dithiolane, 2-methyl-2-propyl-	162	C7H14S2	057230-59-8	22
2			4-Oxo-4-(para-tolyl)-butyric acid	192	C11H12O3	004619-20-9	22
3			Benzhydrazide, 2-methyl-N2-(3,4-...	343	C17H17N3O5	304479-92-3	22
4			Benzoic acid, 3-methyl-, methyl ...	150	C9H10O2	000099-36-5	18
5			N-(m-Toluoyl)glycine	193	C10H11NO3	027115-49-7	14



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS0

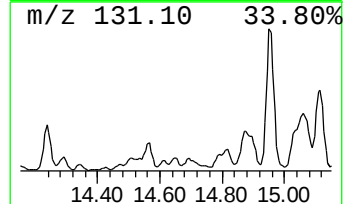
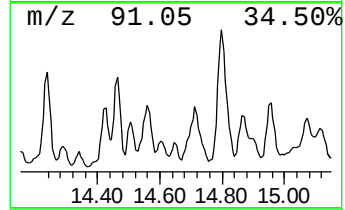
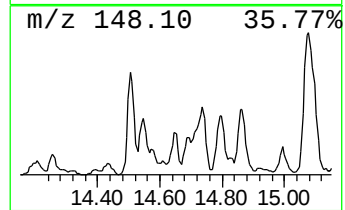
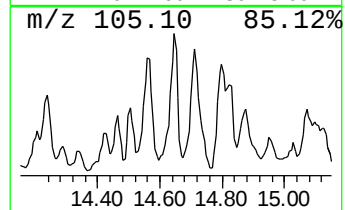
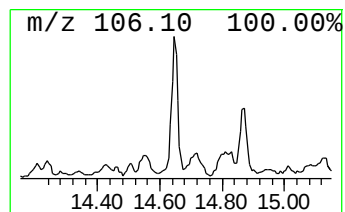
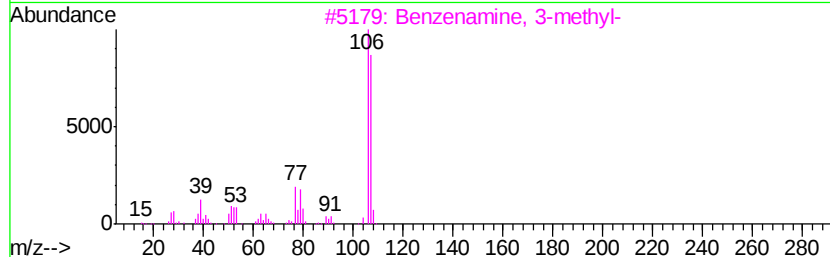
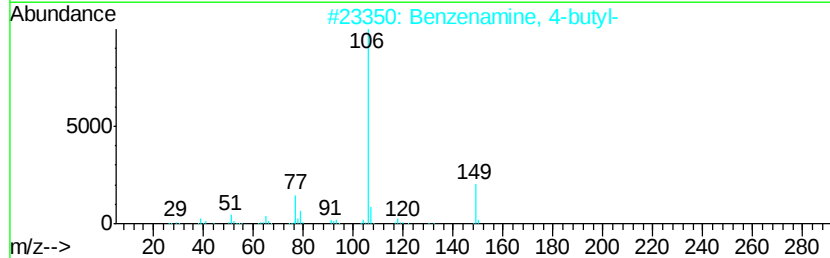
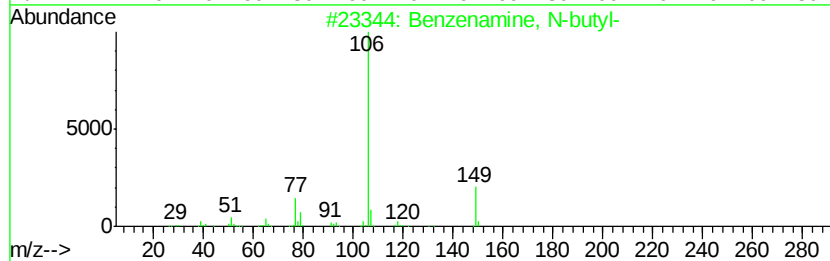
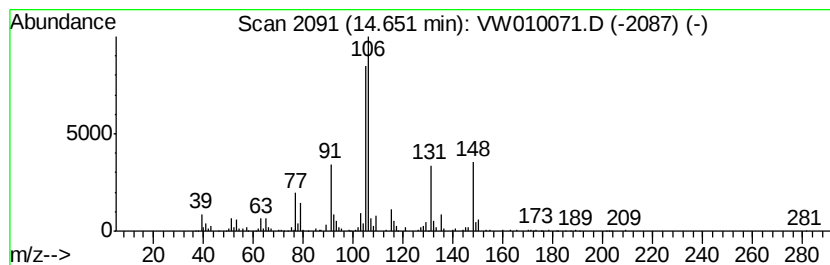
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Quant Title : VOC Analysis

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

Peak Number 20 unknown-02 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	2.88 ug/L	266868	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzenamine, N-butyl-	149	C10H15N	001126-78-9	38
2			Benzenamine, 4-butyl-	149	C10H15N	000104-13-2	38
3			Benzenamine, 3-methyl-	107	C7H9N	000108-44-1	38
4			Benzene, (1-cyclohexylethyl)-	188	C14H20	004413-16-5	37
5			Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

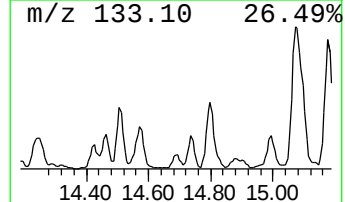
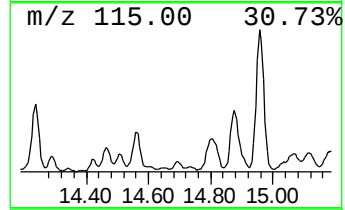
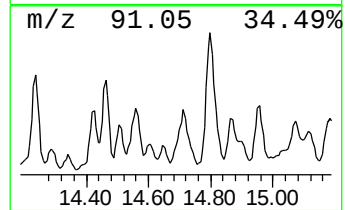
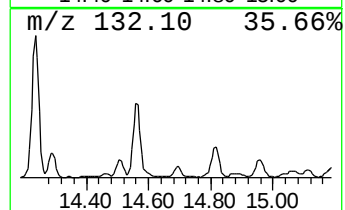
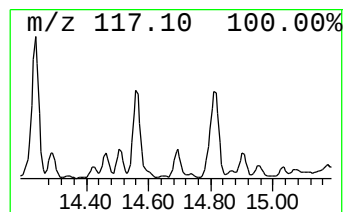
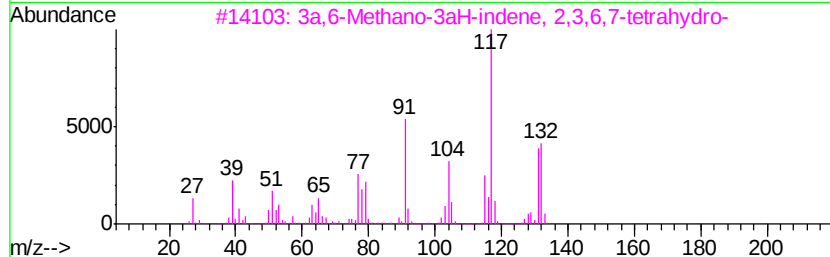
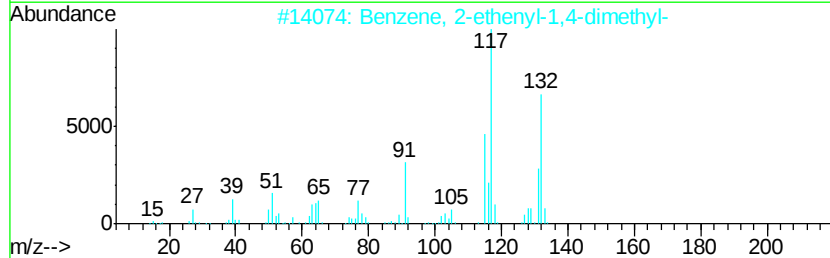
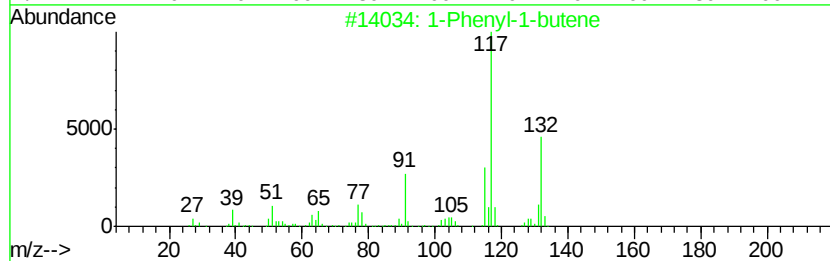
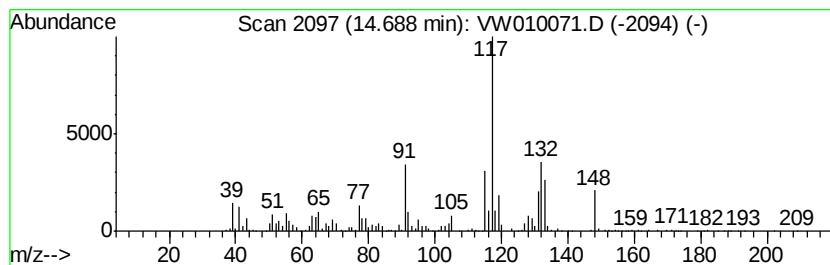
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 21 1-Phenyl-1-butene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	6.64 ug/L	614817	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Phenyl-1-butene	132 C10H12	000824-90-8	92
2	Benzene, 2-ethenyl-1,4-dimethyl-	132 C10H12	002039-89-6	86
3	3a,6-Methano-3aH-indene, 2,3,6,7...	132 C10H12	098640-29-0	76
4	1H-Indene, 2,3-dihydro-5-methyl-	132 C10H12	000874-35-1	70
5	3-Phenylbut-1-ene	132 C10H12	000934-10-1	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS0

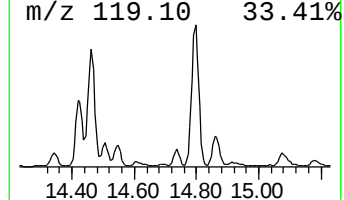
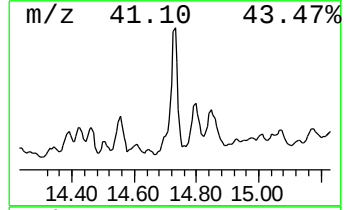
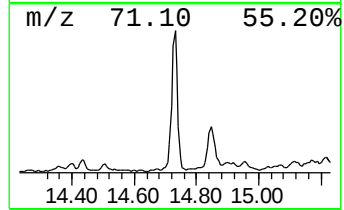
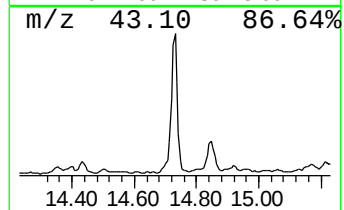
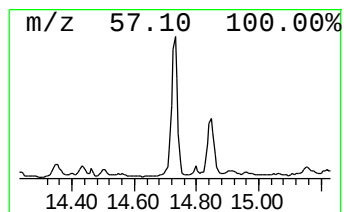
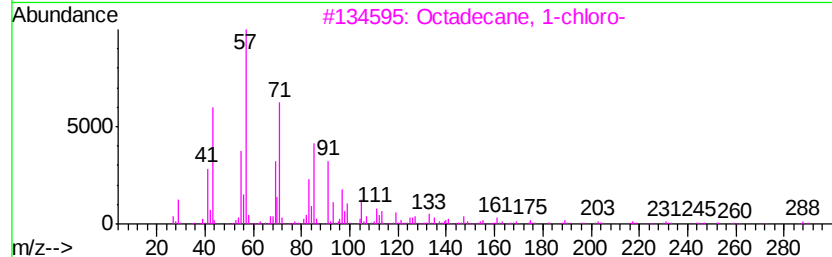
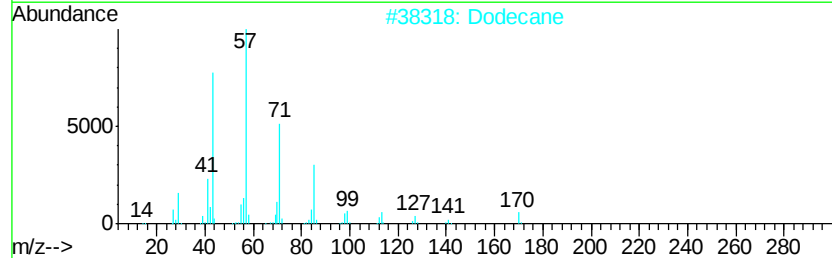
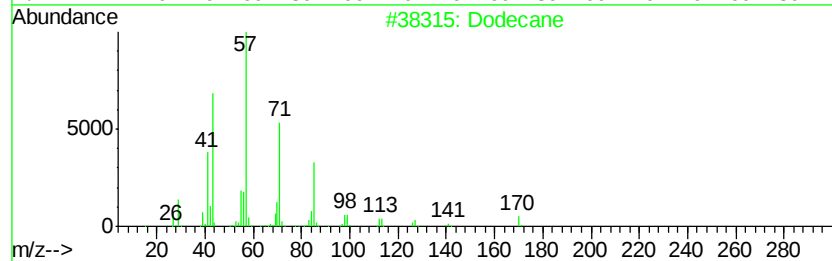
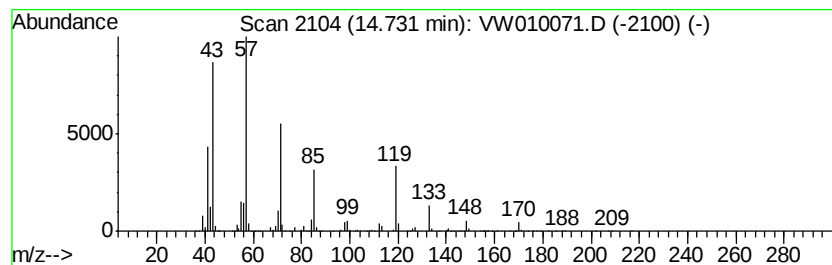
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Quant Title : VOC Analysis

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	18.62 ug/L	1722370	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	94
2		Dodecane	170	C12H26	000112-40-3	86
3		Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	53
4		Hexadecane	226	C16H34	000544-76-3	52
5		Tridecane	184	C13H28	000629-50-5	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS0

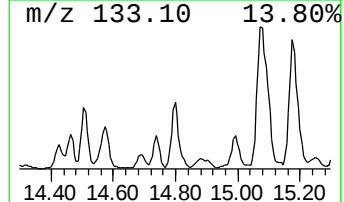
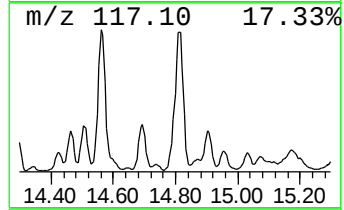
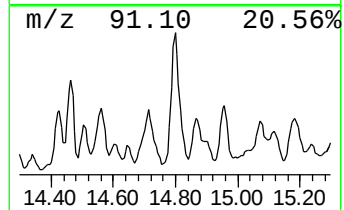
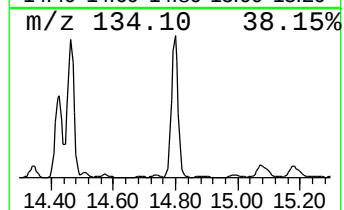
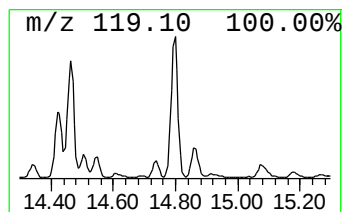
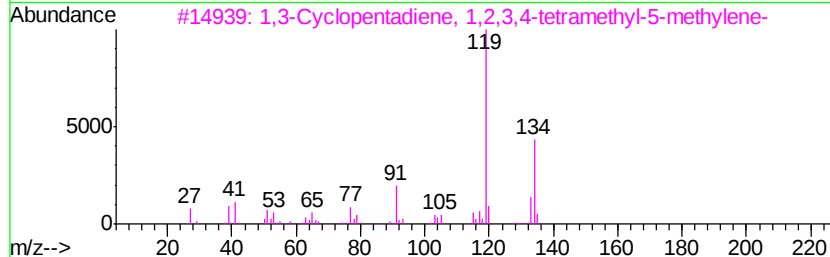
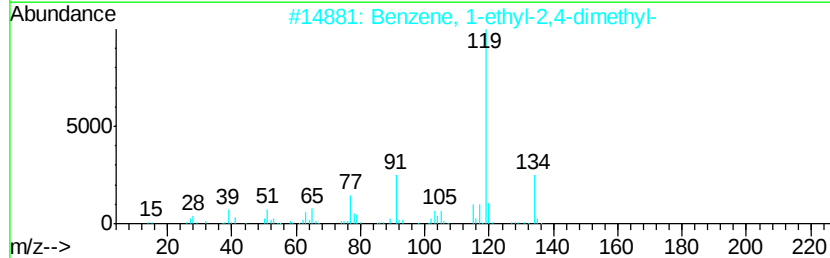
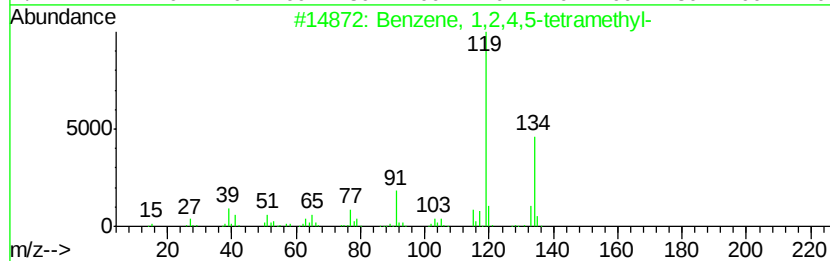
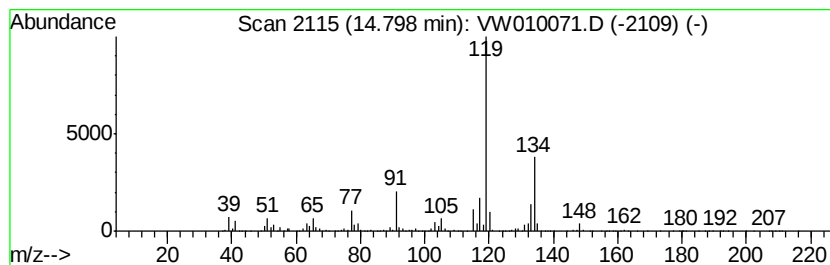
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Quant Title : VOC Analysis

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

Peak Number 23 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	45.70 ug/L	4228080	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
3		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
4		p-Cymene	134	C10H14	000099-87-6	90
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS0

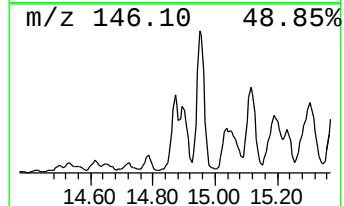
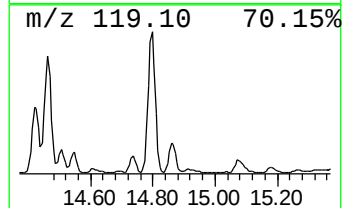
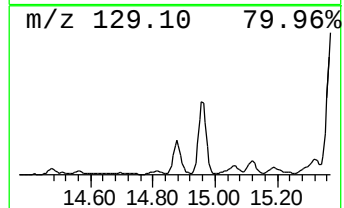
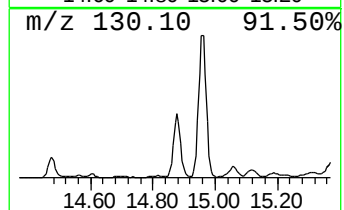
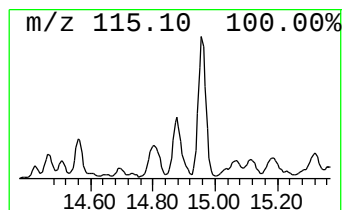
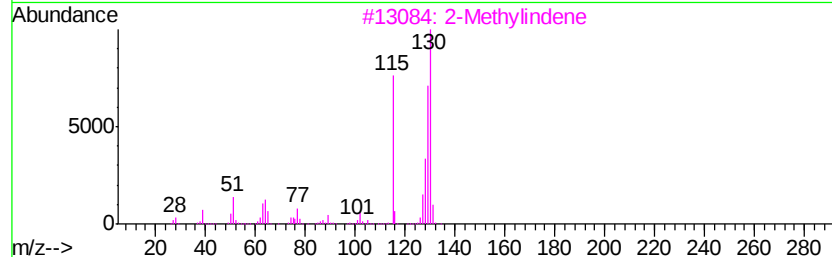
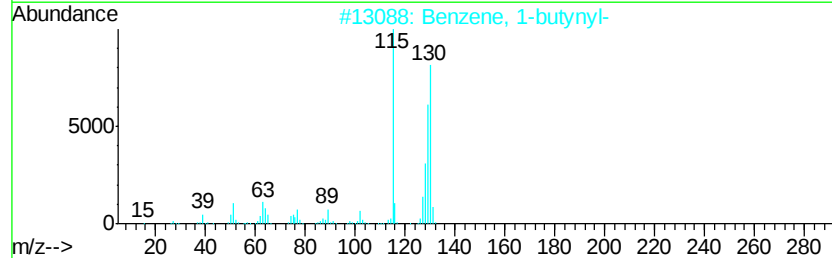
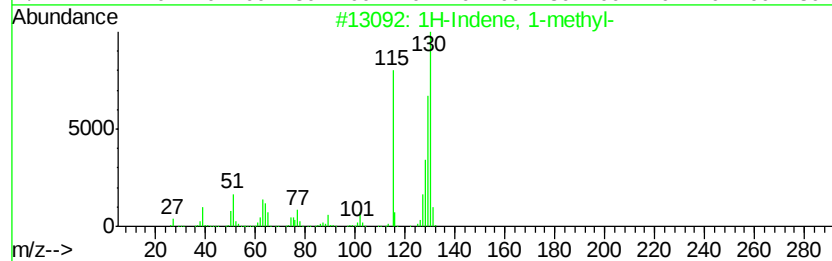
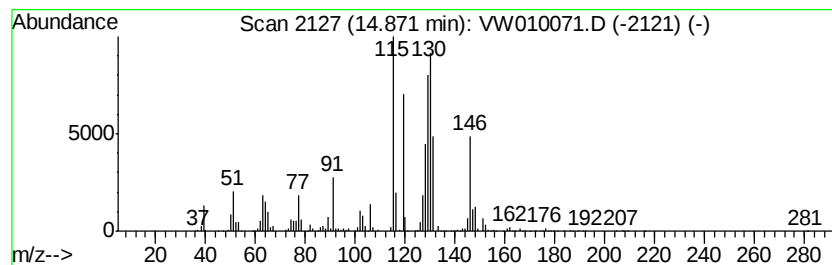
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Quant Title : VOC Analysis

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

Peak Number 24 1H-Indene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	26.37 ug/L	2439730	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	87
2		Benzene, 1-butynyl-	130	C10H10	000622-76-4	70
3		2-Methylindene	130	C10H10	002177-47-1	55
4		Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	55
5		1H-Indene, 3-methyl-	130	C10H10	000767-60-2	55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS0

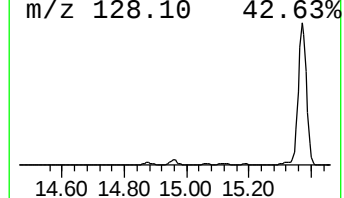
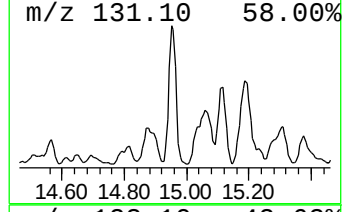
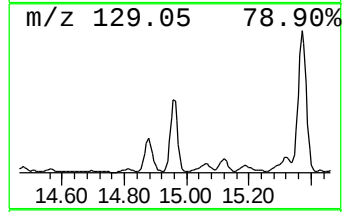
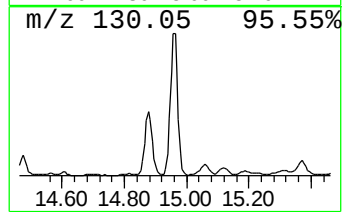
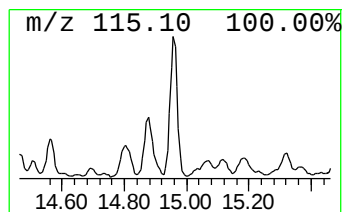
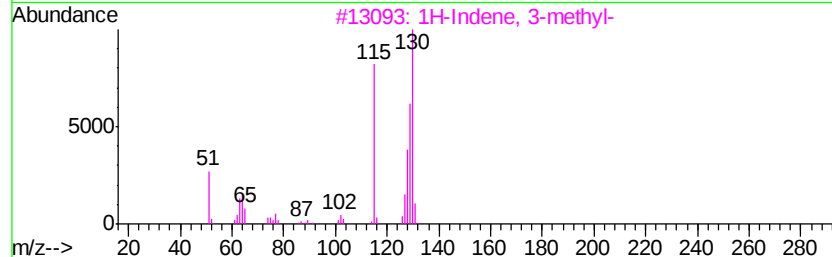
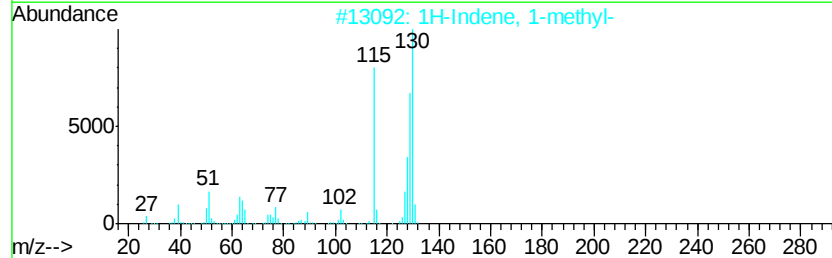
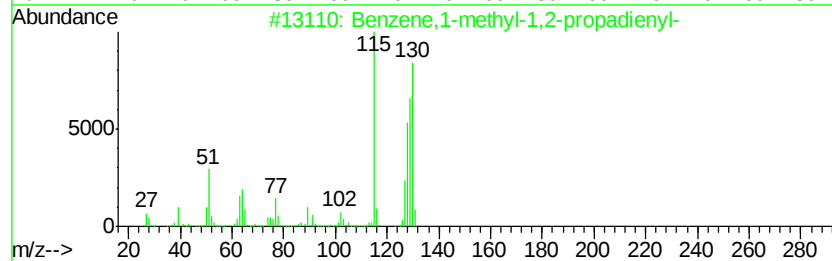
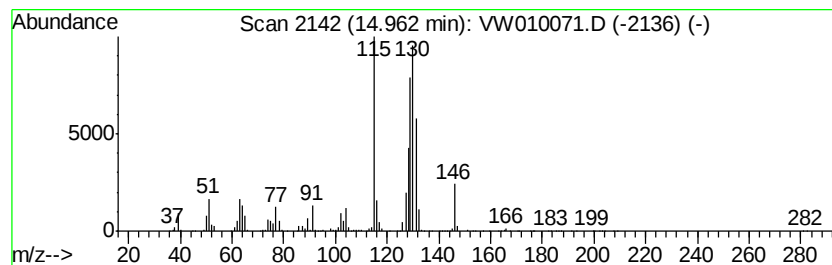
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Quant Title : VOC Analysis

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

Peak Number 25 Benzene,1-methyl-1,2-propad... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	37.78 ug/L	3495970	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	91
2		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	91
3		1H-Indene, 3-methyl-	130	C10H10	000767-60-2	90
4		Cycloprop[alindene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	86
5		Benzene, 1-butynyl-	130	C10H10	000622-76-4	78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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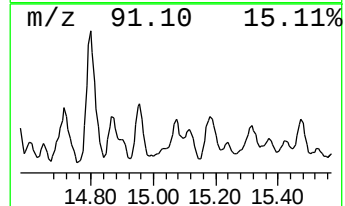
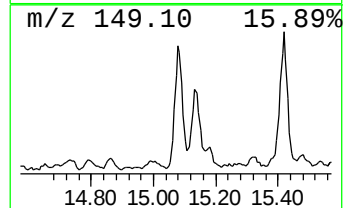
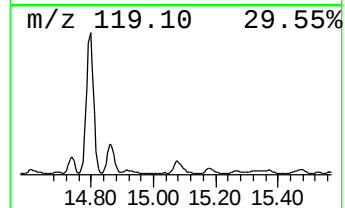
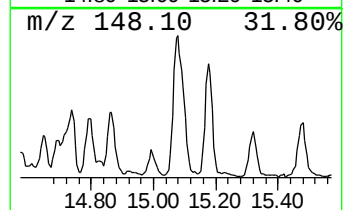
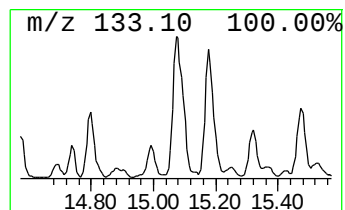
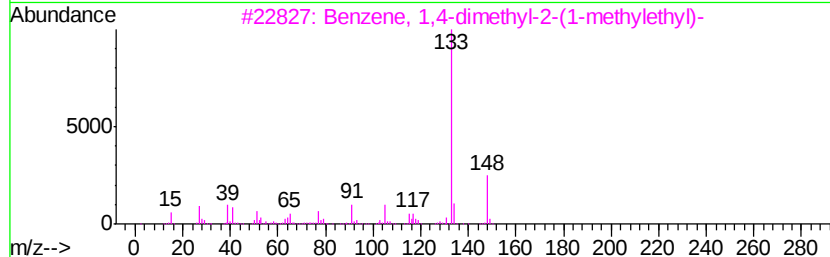
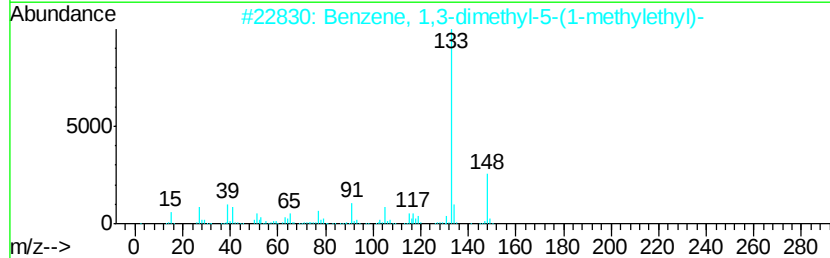
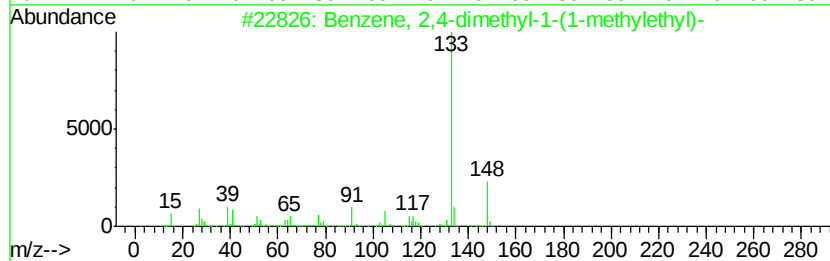
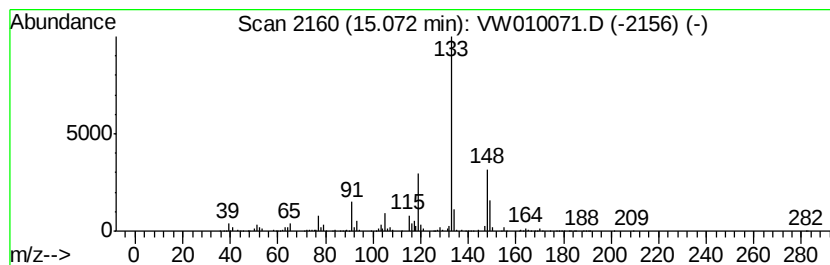
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Quant Title : VOC Analysis

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

Peak Number 26 Benzene, 2,4-dimethyl-1-(1-... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	7.35 ug/L	679811	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	81
2		Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	81
3		Benzene, 1,4-dimethyl-2-(1-methv...	148	C11H16	004132-72-3	74
4		Benzene, pentamethyl-	148	C11H16	000700-12-9	74
5		3,4-Dimethylcumene	148	C11H16	1000370-34-1	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

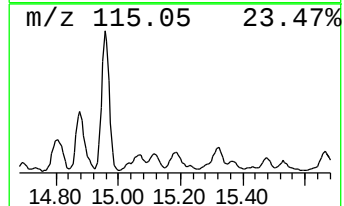
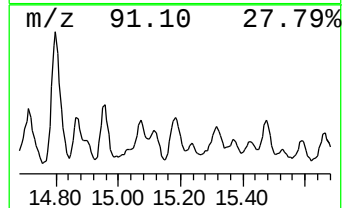
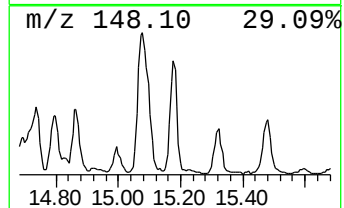
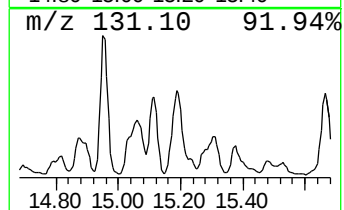
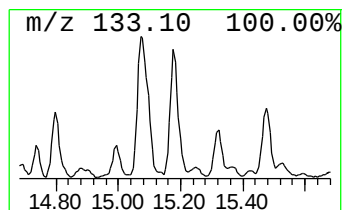
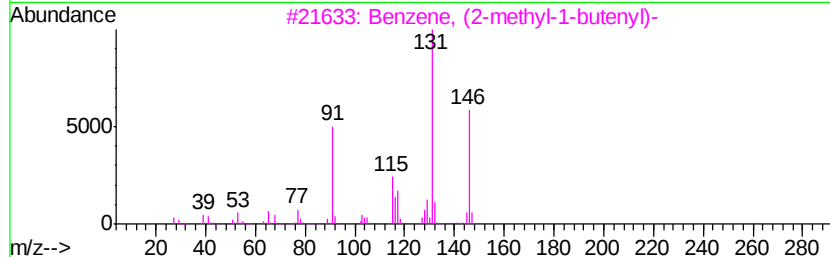
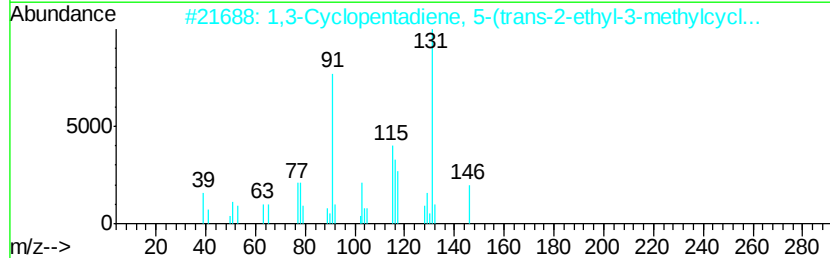
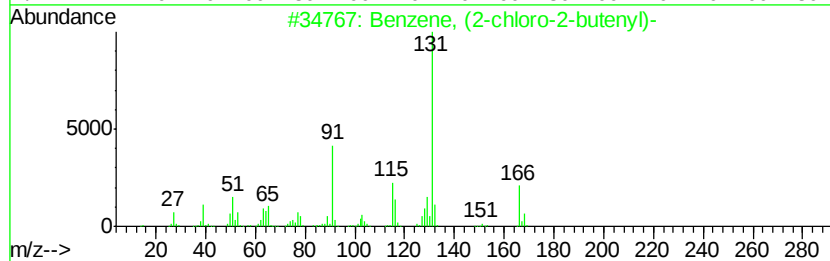
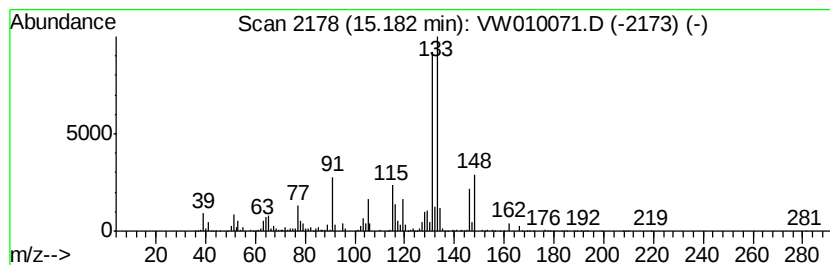
Instrument :
MSVOA_W
ClientSampleId :
GAHS0

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 27 Benzene, (2-chloro-2-butenyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	18.65 ug/L	1725410	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, (2-chloro-2-butenyl)-	166 C10H11Cl	054411-12-0 86
2		1,3-Cyclopentadiene, 5-(trans-2-...	146 C11H14	079209-36-2 64
3		Benzene, (2-methyl-1-butenyl)-	146 C11H14	056253-64-6 64
4		Benzene, (3-methyl-2-butenyl)-	146 C11H14	004489-84-3 64
5		1H-Indene, 2,3-dihydro-1,3-dimet...	146 C11H14	004175-53-5 64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS0

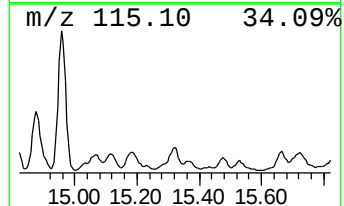
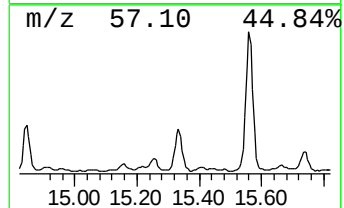
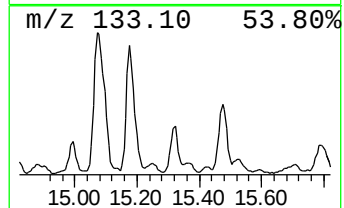
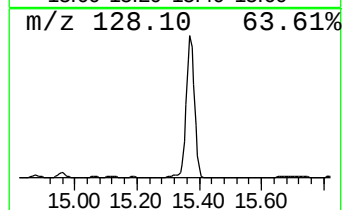
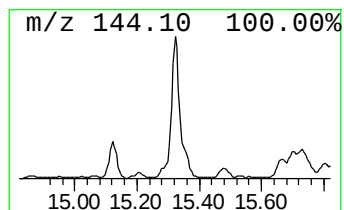
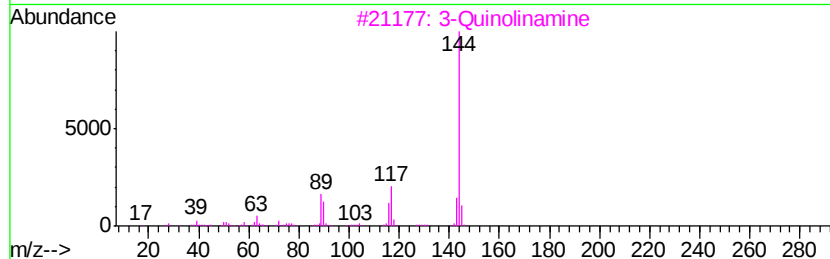
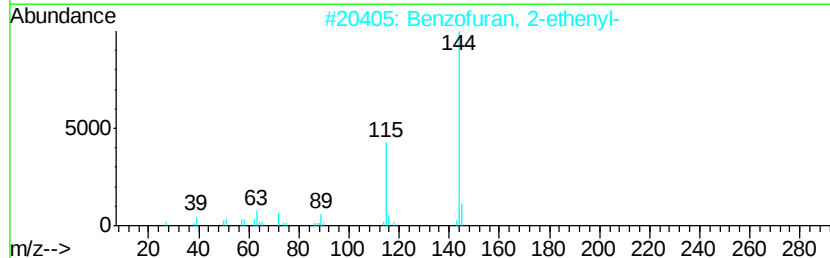
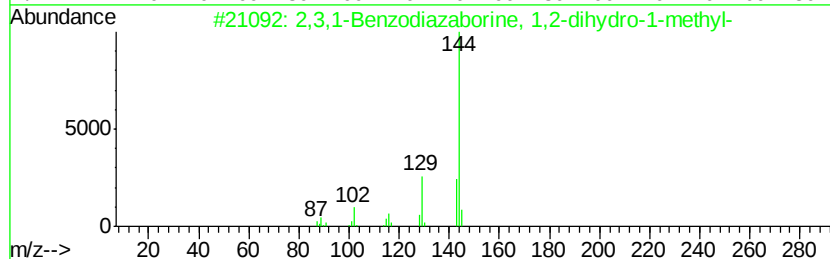
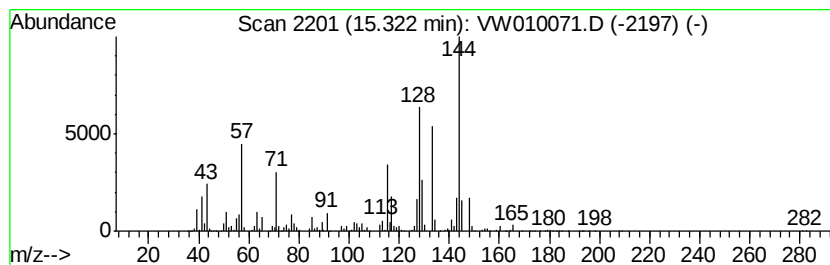
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Quant Title : VOC Analysis

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

Peak Number 28 unknown-03 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	11.46 ug/L	1060630	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,3,1-Benzodiazaborine, 1,2-dihy...	144	C8H9BN2	004885-27-2	43
2		Benzofuran, 2-ethenyl-	144	C10H8O	007522-79-4	38
3		3-Quinolinamine	144	C9H8N2	000580-17-6	30
4		1-Isoquinolinamine	144	C9H8N2	001532-84-9	30
5		8-Quinolinamine	144	C9H8N2	000578-66-5	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS0

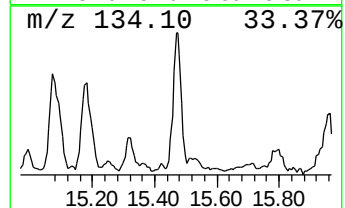
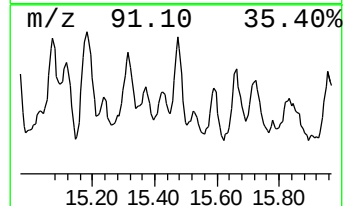
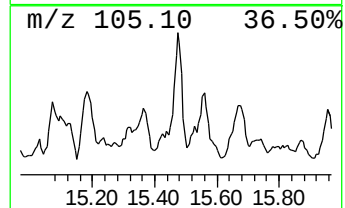
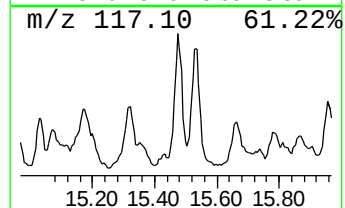
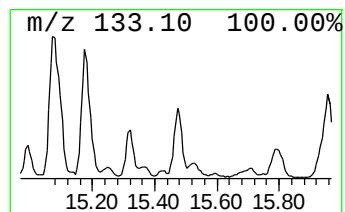
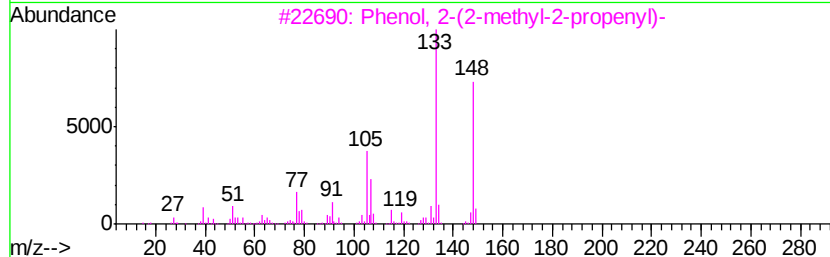
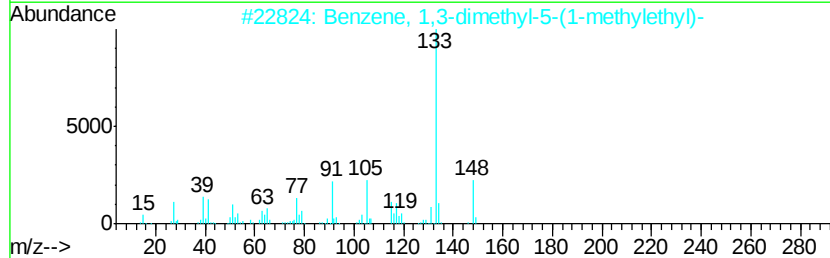
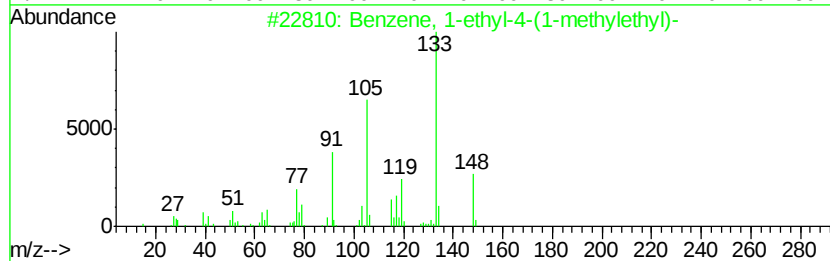
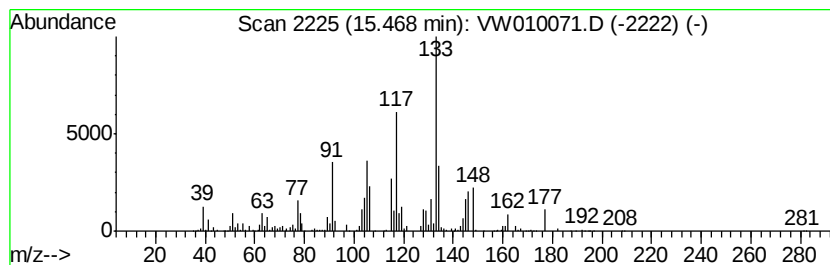
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Quant Title : VOC Analysis

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

Peak Number 30 unknown-04 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	8.72 ug/L	806480	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	43
2		Benzene, 1,3-dimethyl-5-(1-methylethyl)-	148	C11H16	004706-90-5	43
3		Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	38
4		Benzeneacetaldehyde, .alpha.,2,5...	162	C11H14O	052417-50-2	38
5		Pyrazine, 2-methyl-6-(1-propenyl)-	134	C8H10N2	055138-67-5	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS0

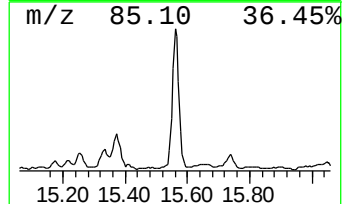
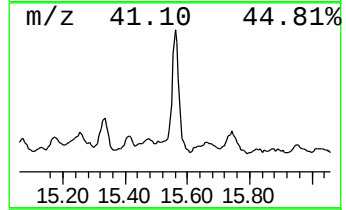
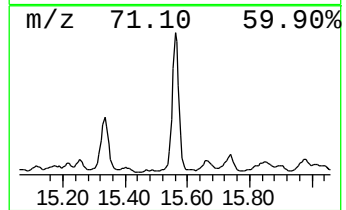
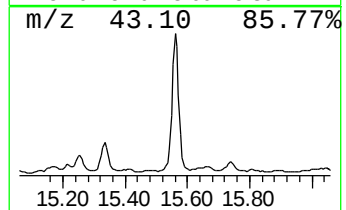
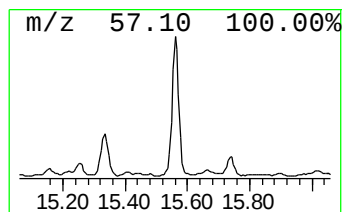
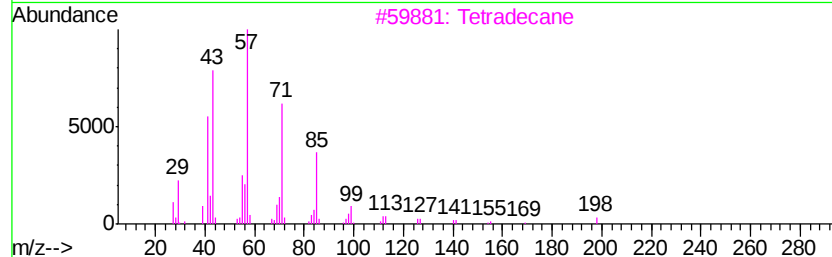
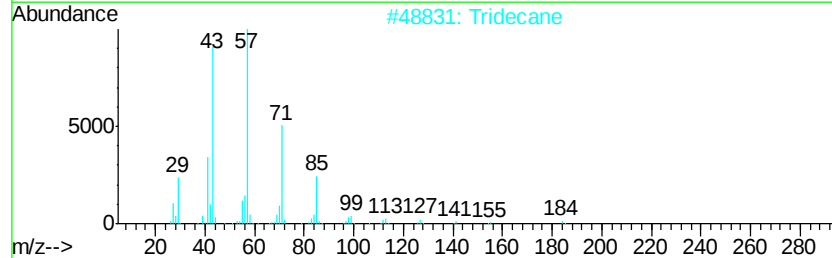
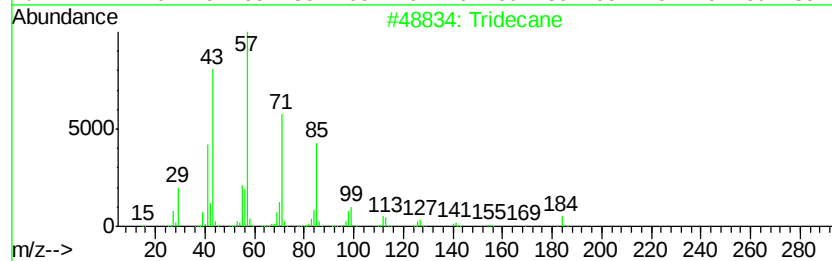
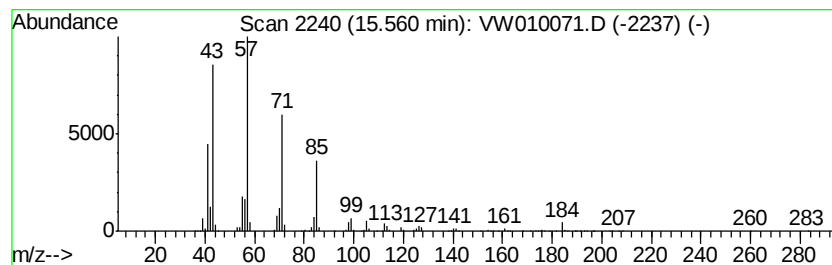
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Quant Title : VOC Analysis

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

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	21.25 ug/L	1966420	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	94
2		Tridecane	184	C13H28	000629-50-5	90
3		Tetradecane	198	C14H30	000629-59-4	90
4		Hexadecane	226	C16H34	000544-76-3	86
5		Hexadecane	226	C16H34	000544-76-3	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS0

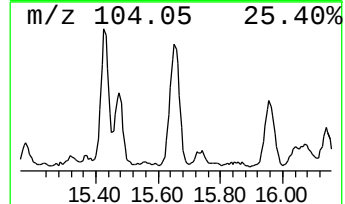
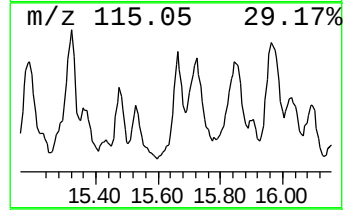
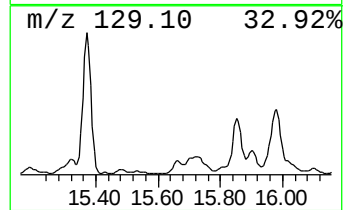
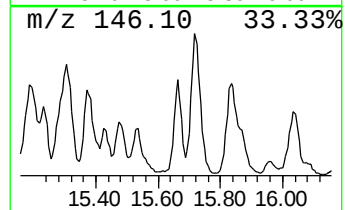
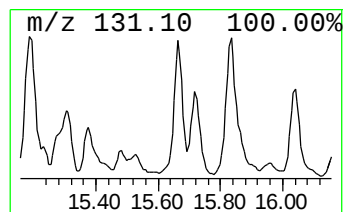
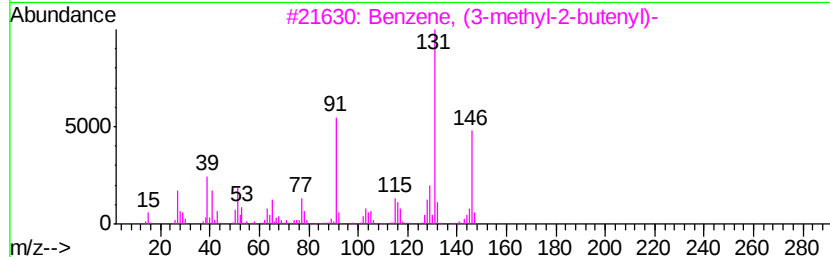
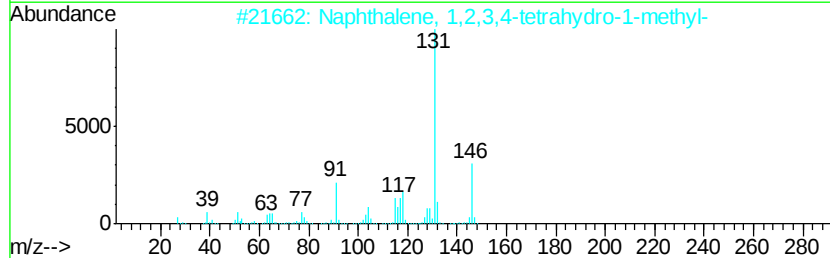
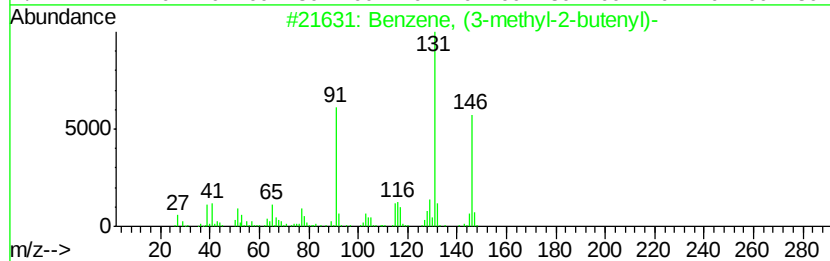
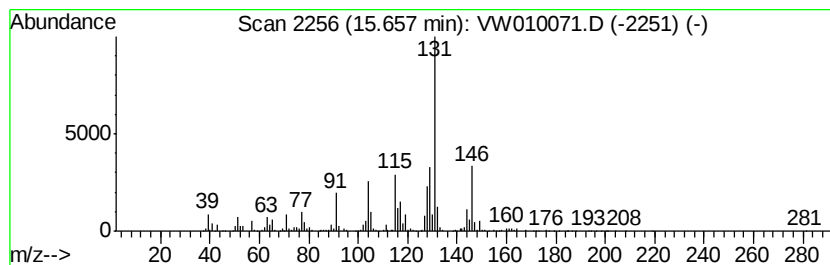
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Quant Title : VOC Analysis

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

Peak Number 32 Benzene, (3-methyl-2-butenyl)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	15.79 ug/L	1460960	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	76
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	76
3		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	72
4		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	70
5		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS0

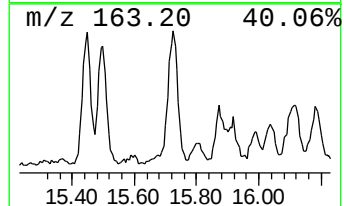
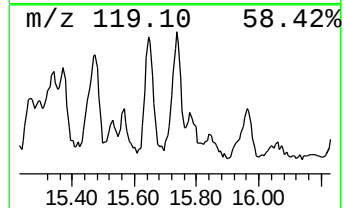
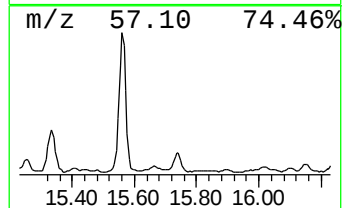
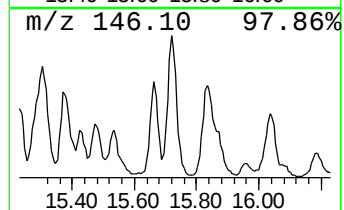
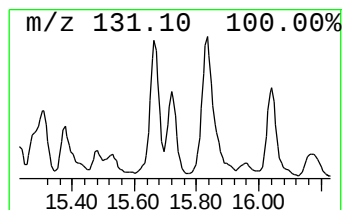
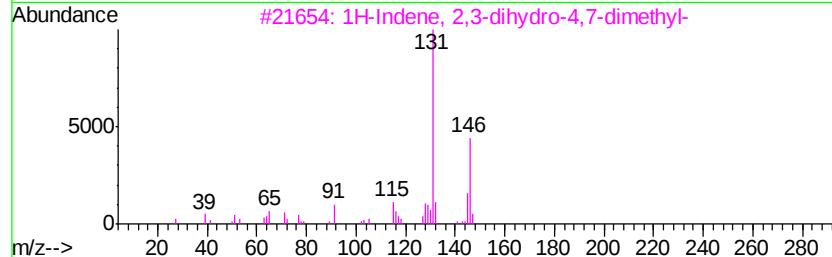
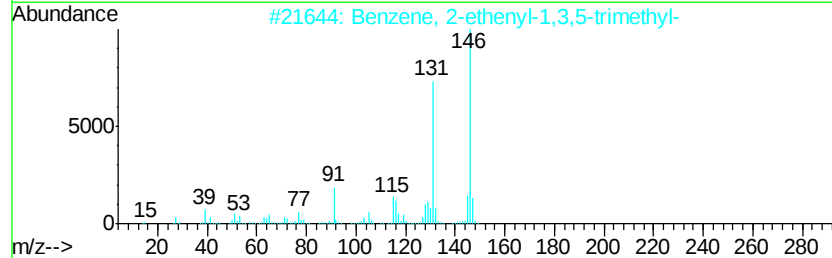
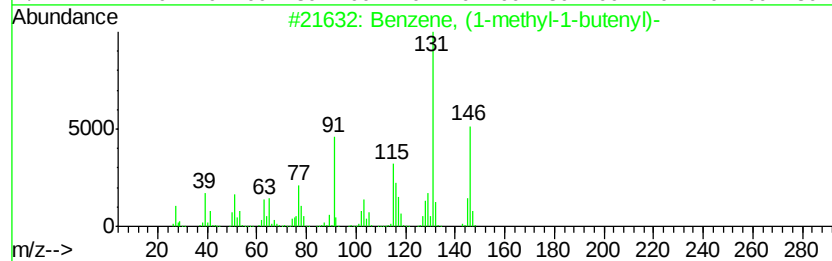
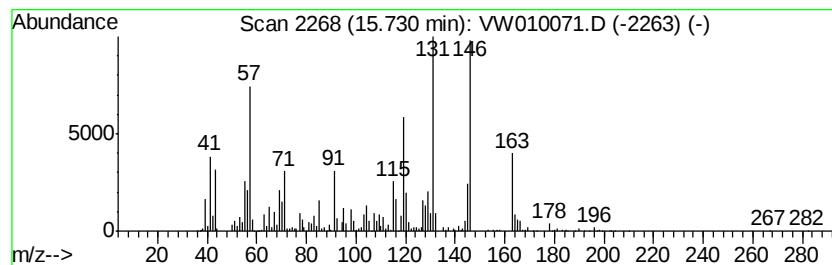
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Quant Title : VOC Analysis

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

Peak Number 33 Benzene, (1-methyl-1-butenyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	15.25 ug/L	1411100	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	64
2		Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	64
3		1H-Indene, 2,3-dihydro-4,7-dimethyl-	146	C11H14	006682-71-9	58
4		Naphthalene, 1,2,3,4-tetrahydro-	146	C11H14	001680-51-9	52
5		Naphthalene, 1,2,3,4-tetrahydro-	146	C11H14	001680-51-9	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS0

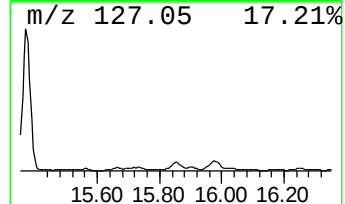
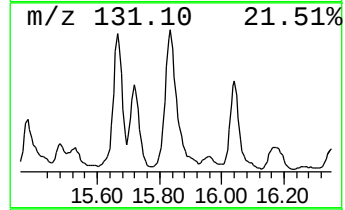
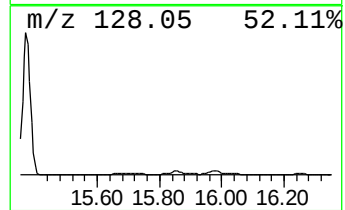
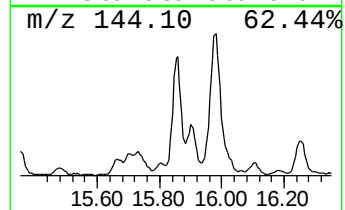
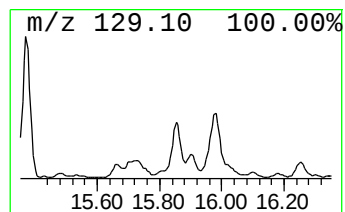
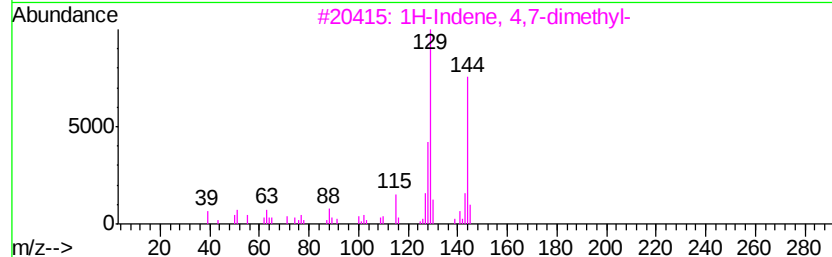
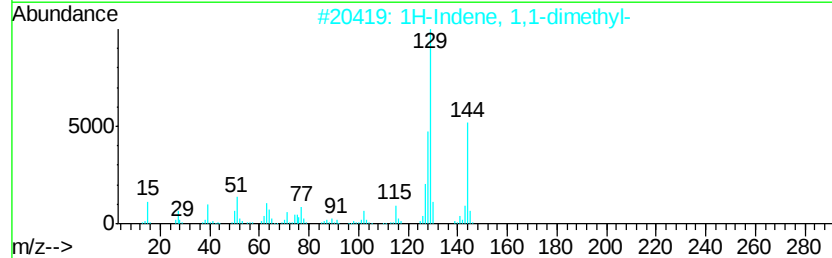
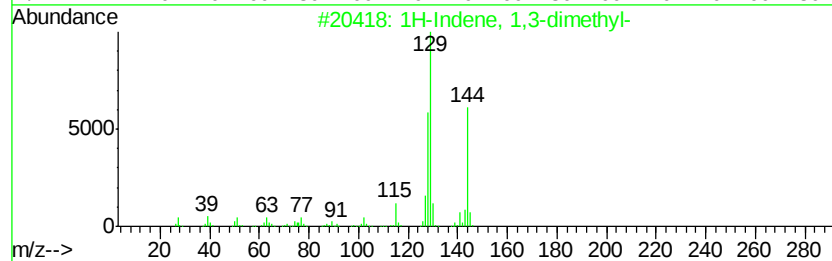
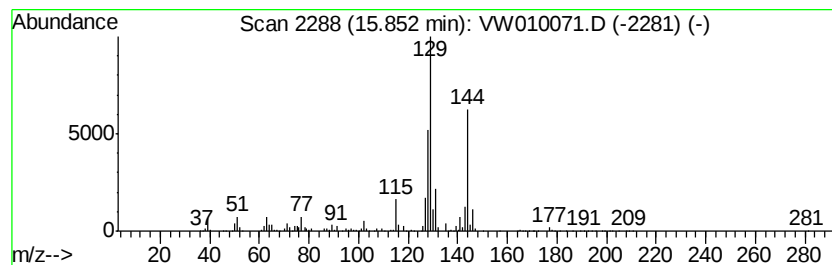
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Quant Title : VOC Analysis

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

Peak Number 34 1H-Indene, 1,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.85	16.63 ug/L	1538430	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	90
2			1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	87
3			1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	87
4			1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	81
5			Naphthalene, 1,2-dihydro-4-methyl-	144	C11H12	004373-13-1	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
 Data File : VW010071.D
 Acq On : 19 Apr 2019 18:09
 Operator : SY/VA
 Sample : K2455-20
 Misc : 5.09G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHS0

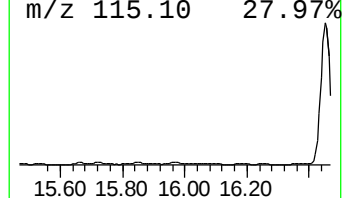
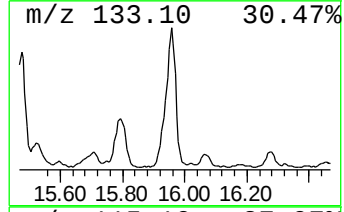
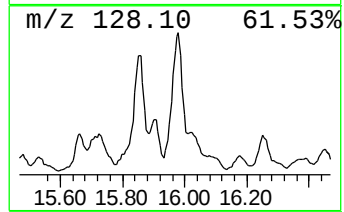
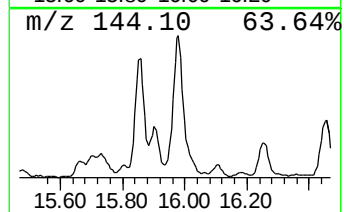
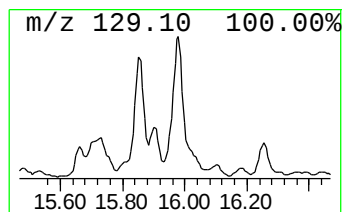
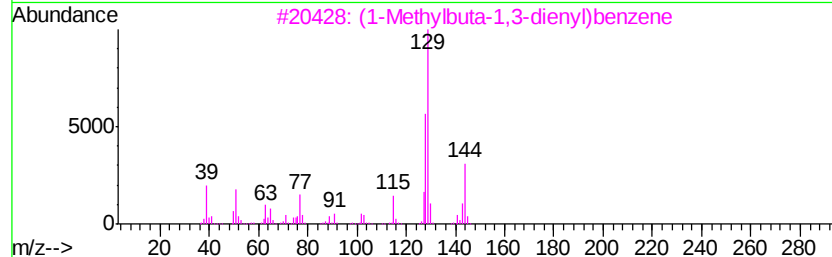
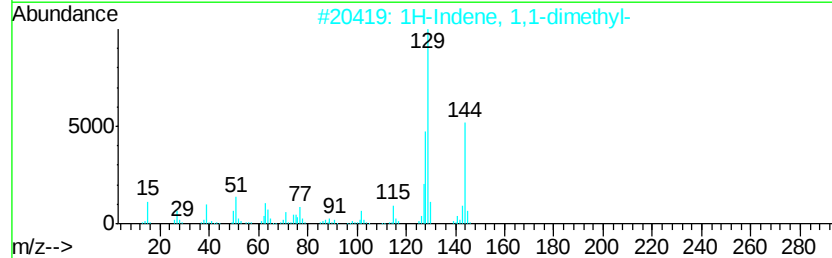
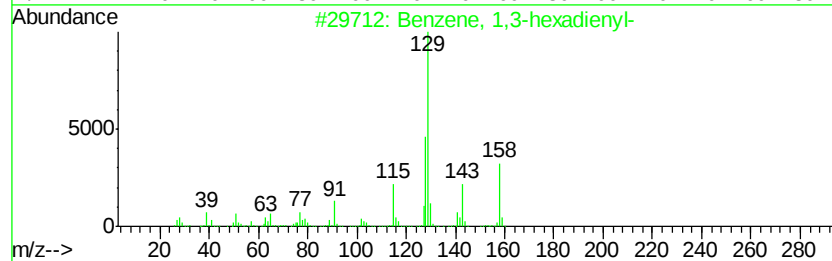
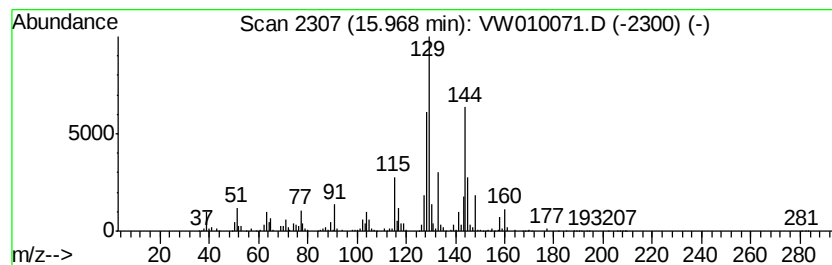
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 Quant Title : VOC Analysis

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

 Peak Number 35 Benzene, 1,3-hexadienyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	25.91 ug/L	2397580	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-hexadienyl-	158	C12H14	041635-77-2	90
2		1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	89
3		(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	76
4		1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	76
5		Benzene, (2-cyclopropylethenyl)-	144	C11H12	1000142-01-6	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

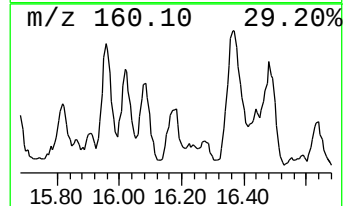
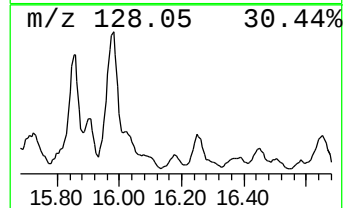
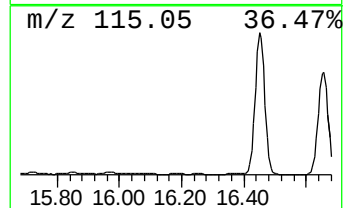
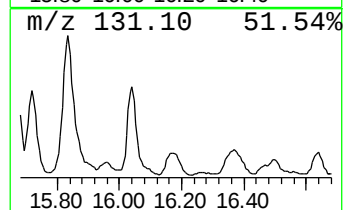
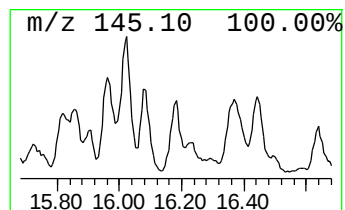
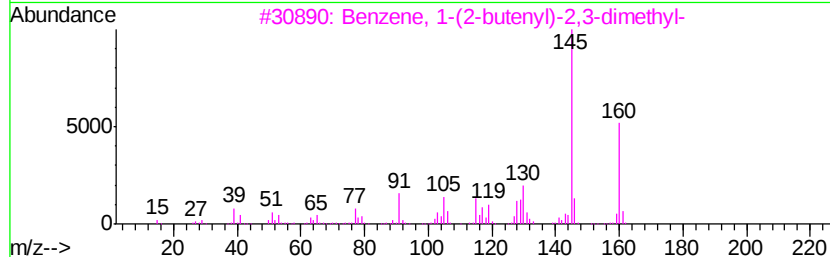
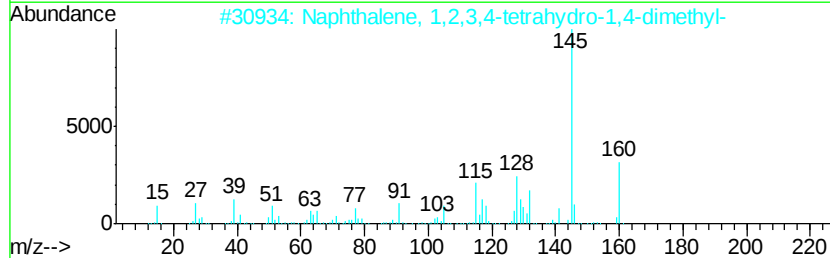
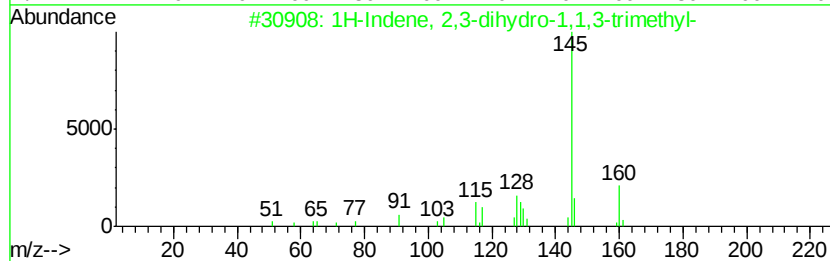
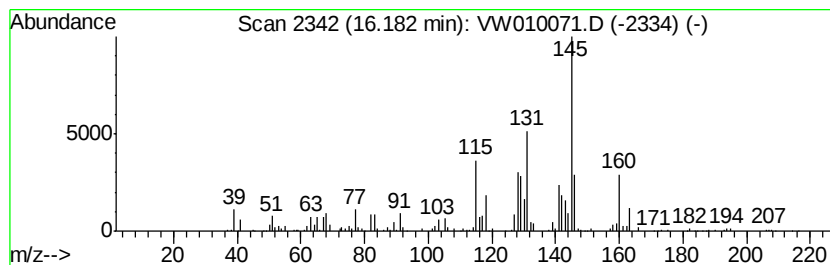
Instrument :
MSVOA_W
ClientSampleId :
GAHS0

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 36 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	6.40 ug/L	591876	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	160 C12H16	002613-76-5	53
2	Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	004175-54-6	49
3	Benzene, 1-(2-butenyl)-2,3-dimet...	160 C12H16	054340-85-1	43
4	Ethanone, 1-(2,3-dihydro-1H-inde...	160 C11H12O	004228-10-8	30
5	1H-Inden-1-one, 2,3-dihydro-3,3-...	160 C11H12O	026465-81-6	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010071.D
Acq On : 19 Apr 2019 18:09
Operator : SY/VA
Sample : K2455-20
Misc : 5.09G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS0

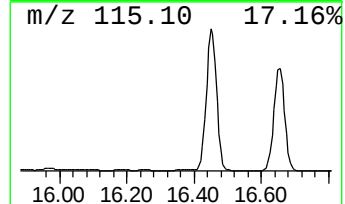
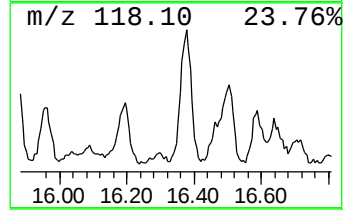
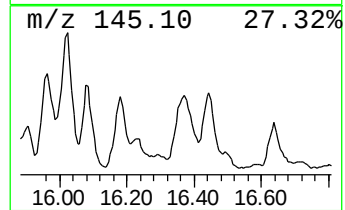
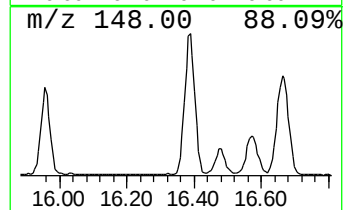
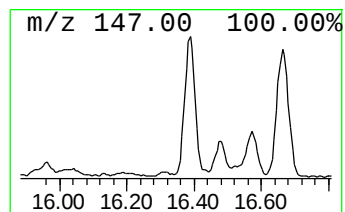
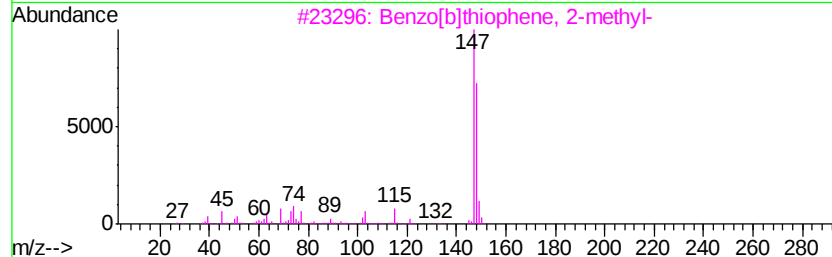
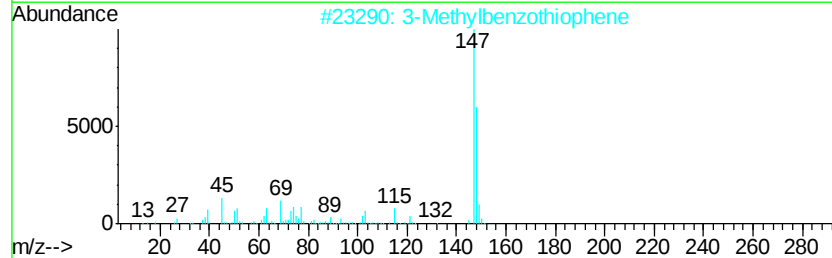
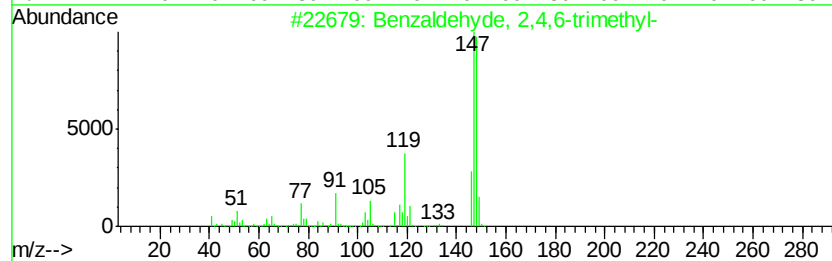
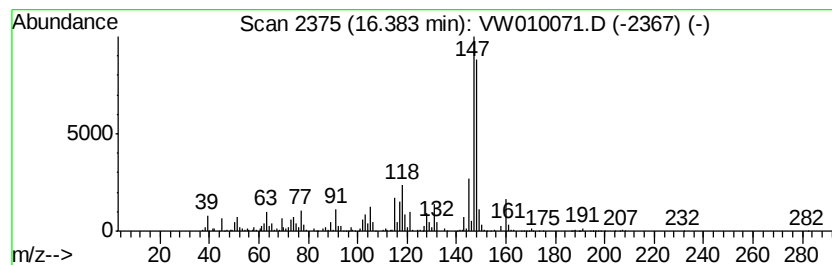
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 37 Benzaldehyde, 2,4,6-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	12.50 ug/L	1156670	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzaldehydve, 2,4,6-trimethyl-	148	C10H12O	000487-68-3	76
2		3-Methylbenzothiophene	148	C9H8S	001455-18-1	70
3		Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	64
4		Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	64
5		Anethole	148	C10H12O	000104-46-1	60



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041919\
 Data File : VW010071.D
 Acq On : 19 Apr 2019 18:09
 Operator : SY/VA
 Sample : K2455-20
 Misc : 5.09G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHS0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.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
Mesitylene	12.94	3.1	ug/L	284876	3	13.56	2313120	25.0
Benzene, 1-etheny...	13.30	2.7	ug/L	253016	3	13.56	2313120	25.0
Benzene, 1-ethyl-...	13.79	5.9	ug/L	548789	3	13.56	2313120	25.0
Indene	13.94	3.1	ug/L	291651	3	13.56	2313120	25.0
o-Cymene	14.02	2.4	ug/L	223997	3	13.56	2313120	25.0
7-Methoxymethyl-2...	14.04	4.5	ug/L	419167	3	13.56	2313120	25.0
Benzene, 2-ethyl-...	14.10	6.2	ug/L	573862	3	13.56	2313120	25.0
Benzene, 1-etheny...	14.15	4.9	ug/L	452849	3	13.56	2313120	25.0
Benzene, 1-methyl...	14.24	29.6	ug/L	2743450	3	13.56	2313120	25.0
2,4-Dimethylstyrene	14.29	5.4	ug/L	501699	3	13.56	2313120	25.0
trans-Decalin, 2-...	14.39	4.3	ug/L	398793	3	13.56	2313120	25.0
Benzene, 1-ethyl-...	14.46	20.3	ug/L	1879480	3	13.56	2313120	25.0
Benzene, (2-methy...	14.56	21.9	ug/L	2029350	3	13.56	2313120	25.0
unknown-01	14.61	2.8	ug/L	254871	3	13.56	2313120	25.0
unknown-02	14.65	2.9	ug/L	266868	3	13.56	2313120	25.0
1-Phenyl-1-butene	14.69	6.6	ug/L	614817	3	13.56	2313120	25.0
(DEL) Alkane: Str...	14.73	18.6	ug/L	1722370	3	13.56	2313120	25.0
Benzene, 1,2,4,5-...	14.80	45.7	ug/L	4228080	3	13.56	2313120	25.0
1H-Indene, 1-methyl-	14.87	26.4	ug/L	2439730	3	13.56	2313120	25.0
Benzene, 1-methyl-...	14.96	37.8	ug/L	3495970	3	13.56	2313120	25.0
Benzene, 2,4-dime...	15.07	7.3	ug/L	679811	3	13.56	2313120	25.0
Benzene, (2-chlor...	15.18	18.6	ug/L	1725410	3	13.56	2313120	25.0
unknown-03	15.32	11.5	ug/L	1060630	3	13.56	2313120	25.0
unknown-04	15.47	8.7	ug/L	806480	3	13.56	2313120	25.0
(DEL) Alkane: Str...	15.56	21.3	ug/L	1966420	3	13.56	2313120	25.0
Benzene, (3-methy...	15.66	15.8	ug/L	1460960	3	13.56	2313120	25.0
Benzene, (1-methy...	15.73	15.3	ug/L	1411100	3	13.56	2313120	25.0
1H-Indene, 1,3-di...	15.85	16.6	ug/L	1538430	3	13.56	2313120	25.0
Benzene, 1,3-hexa...	15.97	25.9	ug/L	2397580	3	13.56	2313120	25.0
1H-Indene, 2,3-di...	16.18	6.4	ug/L	591876	3	13.56	2313120	25.0
Benzaldehyde, 2,4...	16.38	12.5	ug/L	1156670	3	13.56	2313120	25.0