

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042319\
 Data File : VW010098.D
 Acq On : 23 Apr 2019 14:36
 Operator : SY/VA
 Sample : K2456-16
 Misc : 5.03G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHN6

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	2.166	38	43	46	rBV3	8173	15922	0.05%	0.011%
2	2.349	69	73	82	rVB	20619	37972	0.11%	0.025%
3	3.623	280	282	285	rVB4	2087	2240	0.01%	0.001%
4	3.666	285	289	290	rBV3	1274	1804	0.01%	0.001%
5	3.684	290	292	293	rVV2	1406	1121	0.00%	0.001%
6	3.715	296	297	302	rBV5	1081	1388	0.00%	0.001%
7	4.007	336	345	356	rVB3	52051	134823	0.38%	0.090%
8	4.123	359	364	372	rVB	6905	16925	0.05%	0.011%
9	4.361	399	403	405	rBV3	878	1425	0.00%	0.001%
10	4.672	452	454	459	rBV3	918	1357	0.00%	0.001%
11	4.909	483	493	501	rBV2	13321	40678	0.12%	0.027%
12	5.885	649	653	654	rBV3	1018	1220	0.00%	0.001%
13	5.921	654	659	661	rBV3	2971	4585	0.01%	0.003%
14	6.001	671	672	675	rBV2	1115	1094	0.00%	0.001%
15	6.635	773	776	780	rBV2	837	1108	0.00%	0.001%
16	6.799	801	803	806	rBV3	851	1065	0.00%	0.001%
17	7.080	841	849	859	rBV2	18441	50565	0.14%	0.034%
18	7.647	931	942	952	rBV	71532	180623	0.51%	0.120%
19	8.037	1004	1006	1009	rVB2	1508	1423	0.00%	0.001%
20	8.275	1035	1045	1060	rVV3	137030	421148	1.20%	0.280%
21	8.494	1078	1081	1083	rVB4	1186	1479	0.00%	0.001%
22	8.677	1108	1111	1114	rBV4	1164	1452	0.00%	0.001%
23	8.842	1128	1138	1148	rBV	149948	303352	0.86%	0.202%
24	8.921	1148	1151	1154	rVV3	1192	1451	0.00%	0.001%
25	9.037	1168	1170	1173	rVV3	1190	1244	0.00%	0.001%
26	9.067	1173	1175	1176	rVV2	1687	1446	0.00%	0.001%
27	9.086	1176	1178	1182	rVB4	2054	1819	0.01%	0.001%
28	9.275	1201	1209	1219	rVV	102292	211394	0.60%	0.141%
29	9.348	1219	1221	1225	rVV4	1257	1452	0.00%	0.001%
30	9.677	1273	1275	1281	rVB3	1383	2137	0.01%	0.001%
31	9.750	1283	1287	1288	rBV3	1216	1509	0.00%	0.001%
32	9.774	1289	1291	1295	rVB3	1745	1614	0.00%	0.001%
33	9.823	1295	1299	1301	rBV3	809	1066	0.00%	0.001%
34	9.890	1301	1310	1315	rBV6	3842	8063	0.02%	0.005%

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 Title : VOC Analysis

35	9.951	1318	1320	1323	rVB2	1054	1075	0.00%	0.001%
36	10.037	1326	1334	1342	rBV2	49201	95379	0.27%	0.063%
37	10.256	1367	1370	1373	rVV4	1754	2122	0.01%	0.001%
38	10.323	1373	1381	1388	rVV	166973	298724	0.85%	0.199%
39	10.390	1388	1392	1400	rVV	13302	23921	0.07%	0.016%
40	10.451	1400	1402	1405	rVB4	1424	1666	0.00%	0.001%
41	10.488	1405	1408	1409	rBV3	1300	1469	0.00%	0.001%
42	10.530	1411	1415	1417	rBV4	1197	1505	0.00%	0.001%
43	10.579	1417	1423	1431	rVV	35016	60487	0.17%	0.040%
44	10.707	1442	1444	1448	rVB3	3167	3081	0.01%	0.002%
45	10.854	1463	1468	1469	rBV5	3415	4505	0.01%	0.003%
46	10.927	1473	1480	1487	rBV	61031	107720	0.31%	0.072%
47	11.073	1502	1504	1509	rVB6	2334	3579	0.01%	0.002%
48	11.305	1540	1542	1545	rBV2	1332	1670	0.00%	0.001%
49	11.341	1547	1548	1551	rBV3	1876	1955	0.01%	0.001%
50	11.408	1557	1559	1563	rVB5	2497	2606	0.01%	0.002%
51	11.634	1588	1596	1605	rBV	215063	374899	1.07%	0.249%
52	11.780	1618	1620	1621	rBV	3141	1793	0.01%	0.001%
53	11.835	1624	1629	1638	rVB2	28835	54515	0.16%	0.036%
54	12.176	1677	1685	1695	rVB4	119901	254870	0.73%	0.170%
55	12.323	1707	1709	1711	rVB3	1712	1168	0.00%	0.001%
56	12.347	1711	1713	1716	rBV4	1784	1881	0.01%	0.001%
57	12.603	1753	1755	1756	rBV2	4061	2837	0.01%	0.002%
58	12.695	1764	1770	1775	rBV	76148	128577	0.37%	0.086%
59	12.804	1786	1788	1792	rVB2	4744	5568	0.02%	0.004%
60	12.871	1792	1799	1802	rBV	189238	321403	0.92%	0.214%
61	12.945	1806	1811	1819	rVB	777039	1222002	3.48%	0.813%
62	13.109	1831	1838	1845	rBV	286471	511673	1.46%	0.340%
63	13.256	1852	1862	1866	rBV	1988245	3144237	8.96%	2.092%
64	13.304	1866	1870	1875	rVV	1937880	2931448	8.36%	1.950%
65	13.353	1875	1878	1886	rVB	390633	646333	1.84%	0.430%
66	13.445	1889	1893	1898	rBV	78479	116708	0.33%	0.078%
67	13.499	1899	1902	1907	rVB	47791	77081	0.22%	0.051%
68	13.591	1907	1917	1932	rBV2	1688373	3081529	8.78%	2.050%
69	13.719	1933	1938	1941	rBV3	308781	550084	1.57%	0.366%
70	13.755	1941	1944	1947	rVV2	637022	1064104	3.03%	0.708%
71	13.792	1947	1950	1956	rVB2	1509088	2230011	6.36%	1.484%

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72	13.859	1956	1961	1969	rBV4	200785	526933	1.50%	0.351%
73	13.944	1969	1975	1981	rBV2	1258532	2096868	5.98%	1.395%
74	14.042	1982	1991	1997	rBV2	1116793	3385558	9.65%	2.252%
75	14.103	1997	2001	2004	rVV	1069239	1506779	4.29%	1.002%
76	14.146	2004	2008	2014	rVB	980738	1835682	5.23%	1.221%
77	14.237	2014	2023	2028	rBV	5756110	9384274	26.75%	6.243%
78	14.292	2028	2032	2036	rVB	1230678	1818675	5.18%	1.210%
79	14.341	2036	2040	2045	rVB	536120	783506	2.23%	0.521%
80	14.426	2046	2054	2057	rBV	2274163	3911921	11.15%	2.603%
81	14.463	2057	2060	2064	rVV	3501965	5245915	14.95%	3.490%
82	14.505	2064	2067	2071	rVV	1209074	1753889	5.00%	1.167%
83	14.560	2071	2076	2081	rVB3	2290290	3666437	10.45%	2.439%
84	14.646	2087	2090	2094	rVB	217593	264194	0.75%	0.176%
85	14.694	2094	2098	2101	rBV	623688	964834	2.75%	0.642%
86	14.731	2101	2104	2109	rVB2	577703	864272	2.46%	0.575%
87	14.798	2109	2115	2122	rBV3	3879238	8072290	23.01%	5.370%
88	14.877	2123	2128	2136	rVV4	1639651	3732922	10.64%	2.483%
89	14.956	2136	2141	2149	rVB	8763380	14651286	41.76%	9.747%
90	15.072	2156	2160	2163	rBV3	462419	667316	1.90%	0.444%
91	15.182	2173	2178	2184	rBV3	687755	1570222	4.48%	1.045%
92	15.322	2198	2201	2205	rVV4	668044	1031686	2.94%	0.686%
93	15.371	2206	2209	2215	rVB	1078176	1747997	4.98%	1.163%
94	15.481	2223	2227	2231	rVB2	298190	451054	1.29%	0.300%
95	15.560	2237	2240	2248	rVB	827516	1297658	3.70%	0.863%
96	15.664	2253	2257	2262	rVV	363367	673460	1.92%	0.448%
97	15.975	2301	2308	2314	rBV3	756854	1886974	5.38%	1.255%
98	16.383	2370	2375	2379	rBV	391026	802902	2.29%	0.534%
99	16.450	2379	2386	2394	rVV	10582096	21840965	62.25%	14.530%
100	16.657	2411	2420	2431	rVB	15812882	35084033	100.00%	23.341%

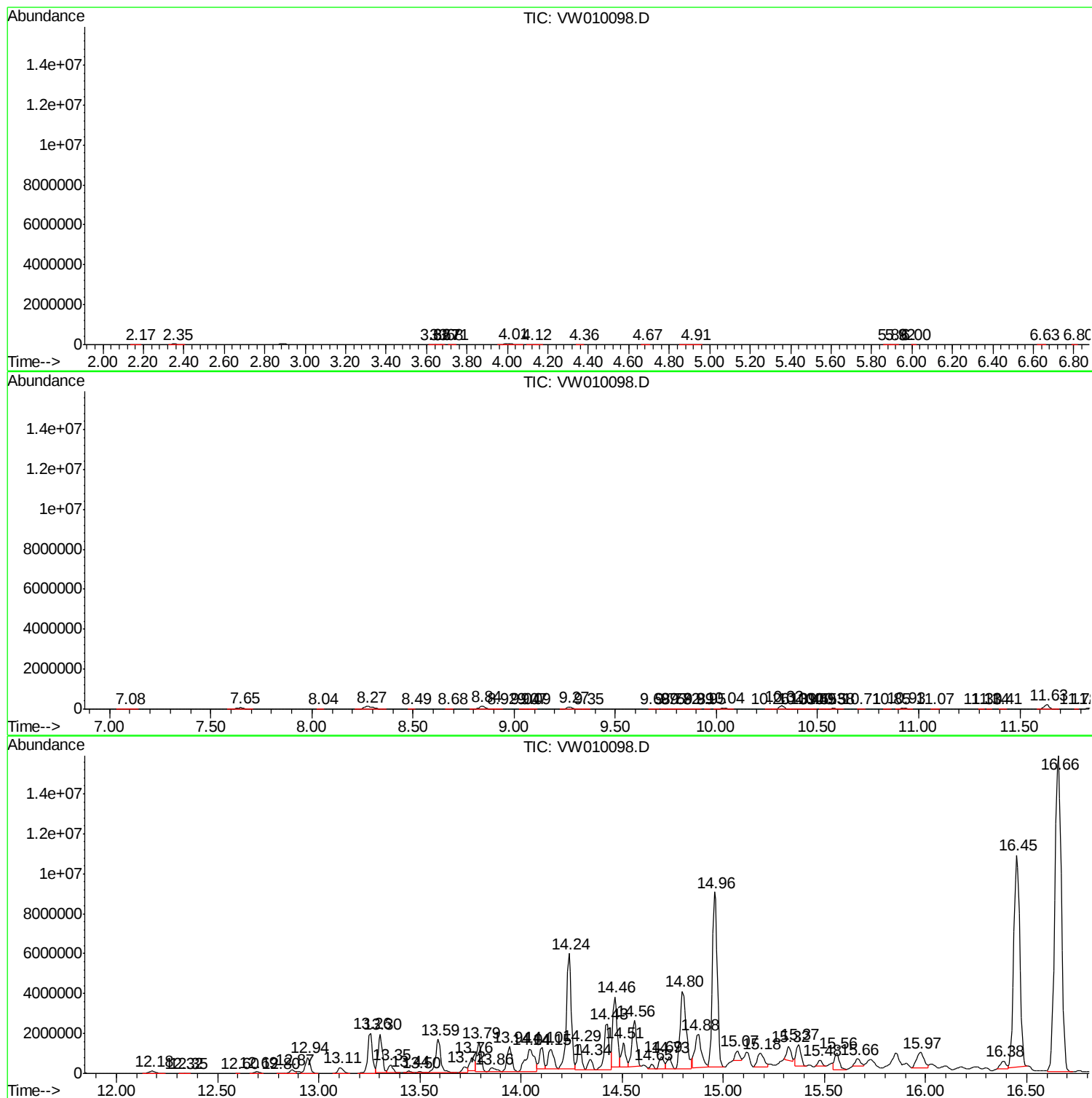
Sum of corrected areas: 150312651

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Instrument :
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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



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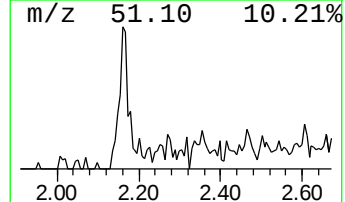
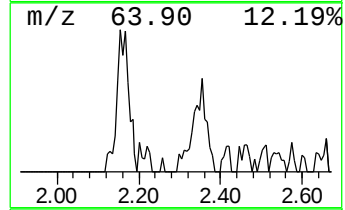
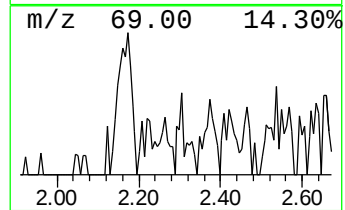
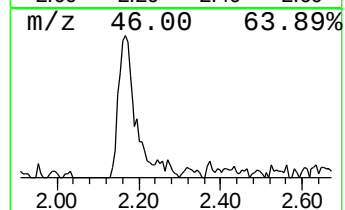
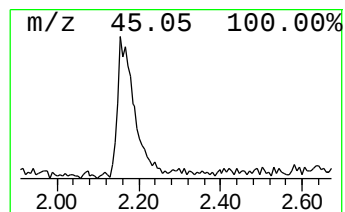
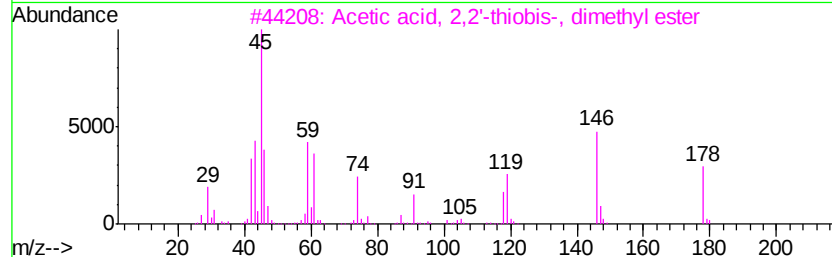
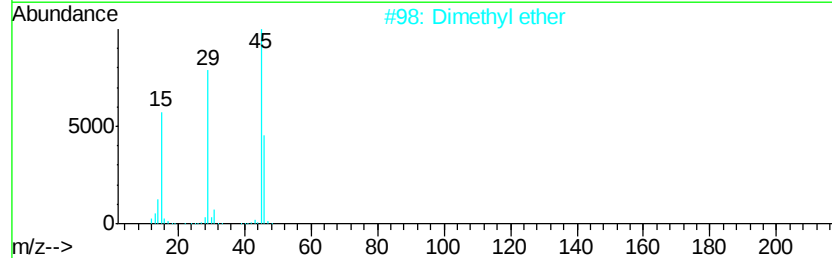
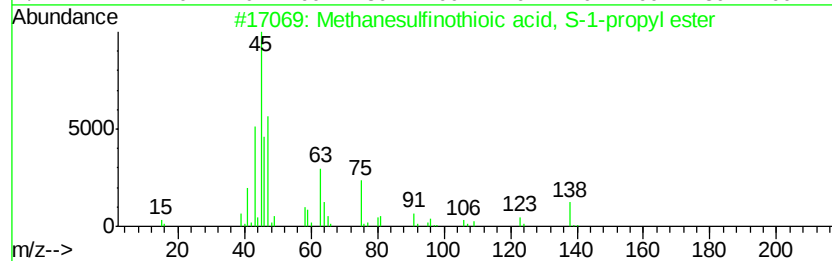
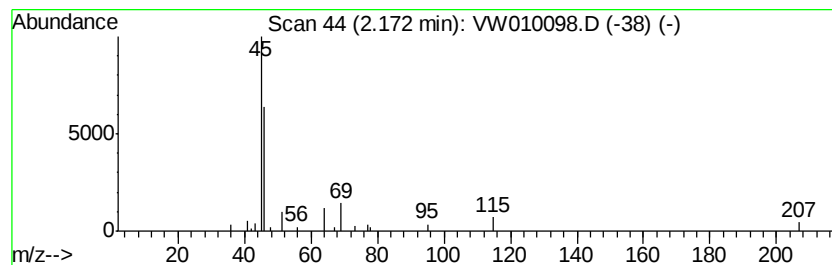
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 1 unknown-01 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	1.31 ug/L	15922	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methanesulfinothioic acid, S-1-p...	138	C4H10S2	1000322-32-0	36
2		Dimethyl ether	46	C2H6O	000115-10-6	9
3		Acetic acid, 2,2'-thiobis-, dime...	178	C6H10O4S	016002-29-2	9
4		Dimethyl ether	46	C2H6O	000115-10-6	7
5		Ethanol	46	C2H6O	000064-17-5	5



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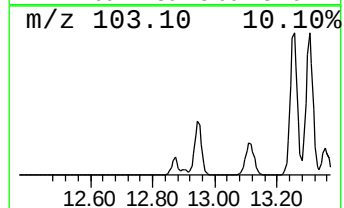
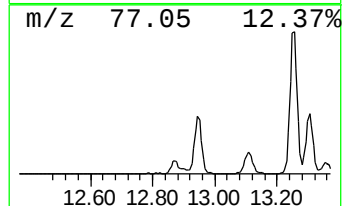
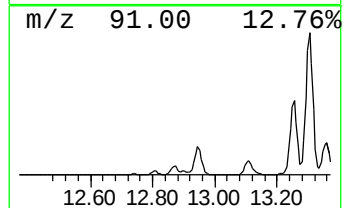
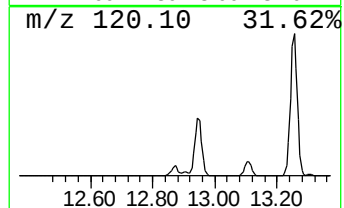
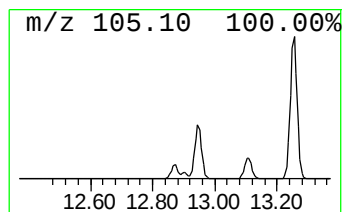
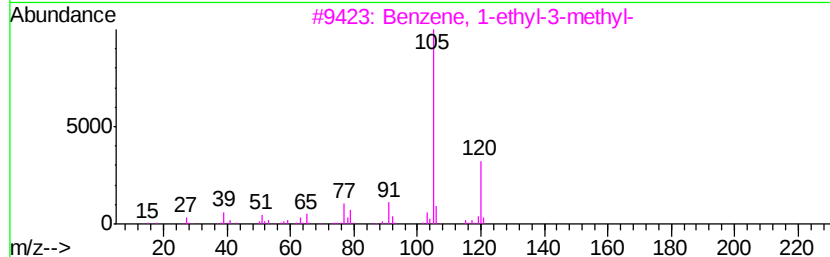
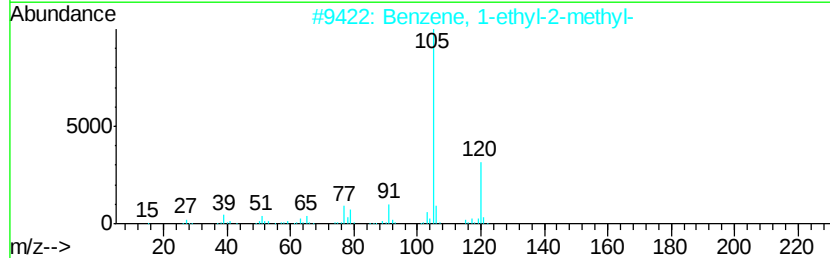
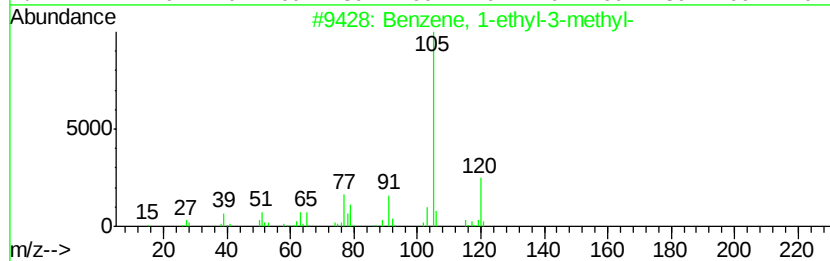
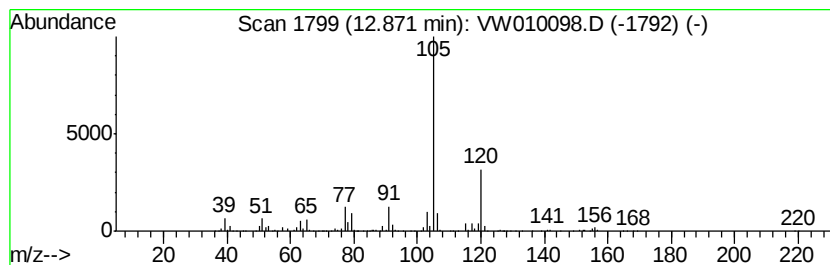
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	2.61 ug/L	321403	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91



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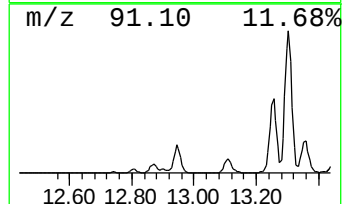
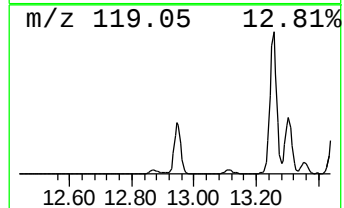
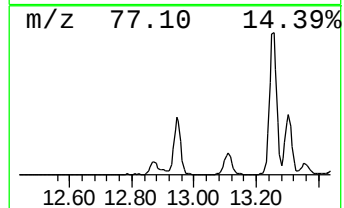
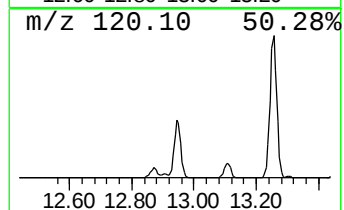
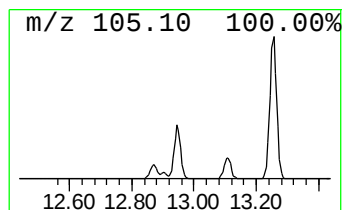
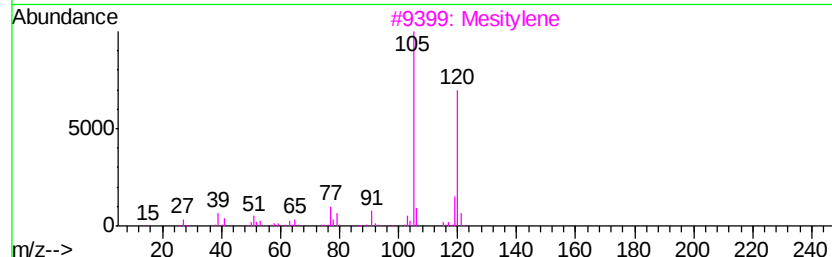
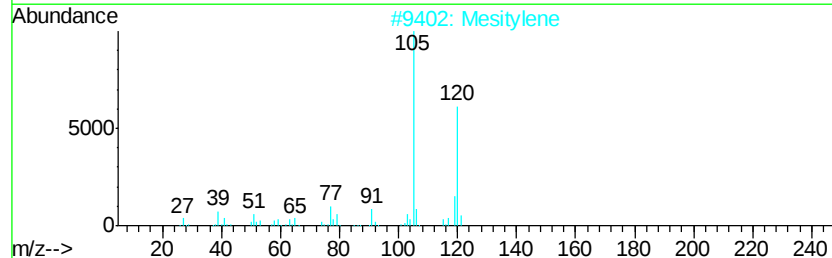
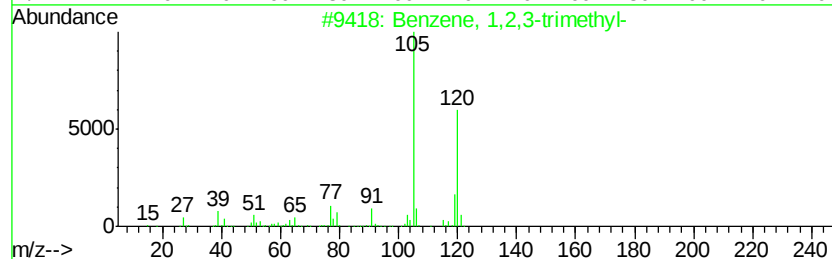
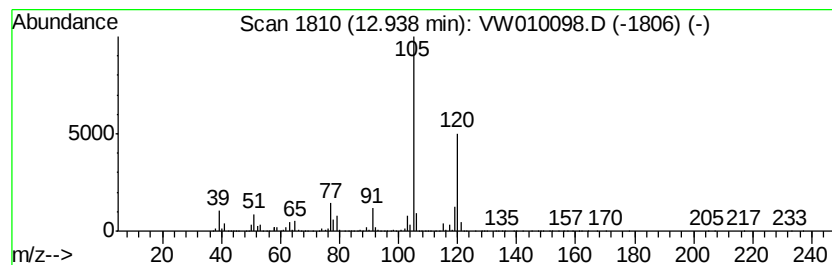
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	9.91 ug/L	1222000	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	97
3		Mesitylene	120	C9H12	000108-67-8	95
4		Mesitylene	120	C9H12	000108-67-8	95
5		Mesitylene	120	C9H12	000108-67-8	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

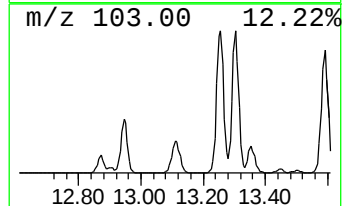
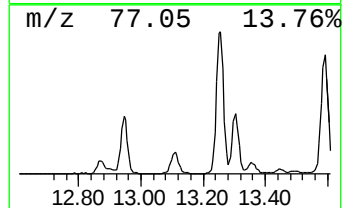
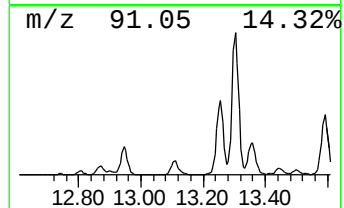
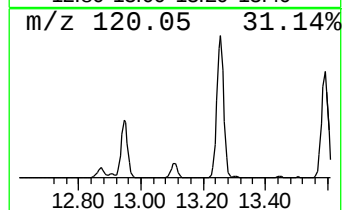
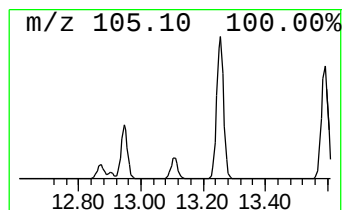
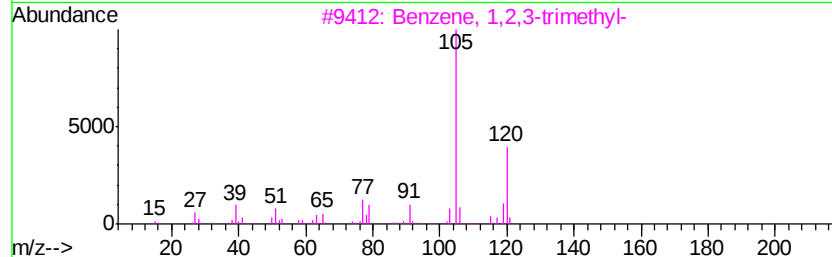
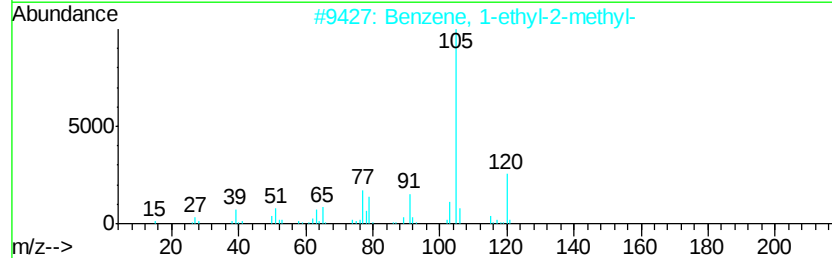
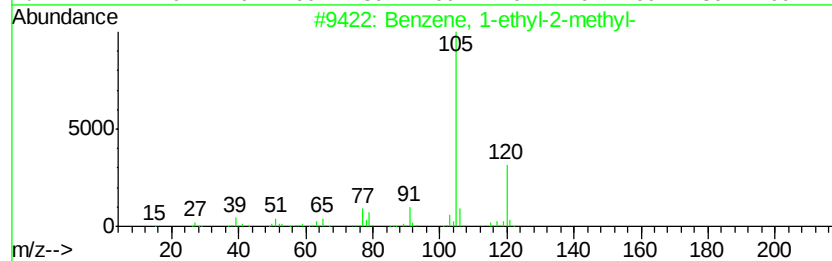
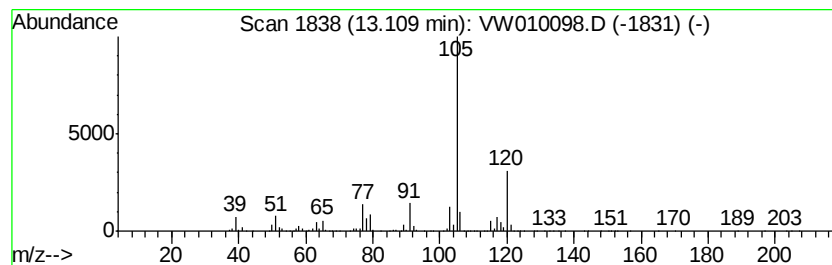
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Quant Title : VOC Analysis

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

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	4.15 ug/L	511673	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

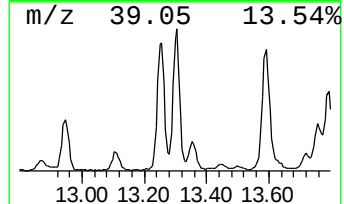
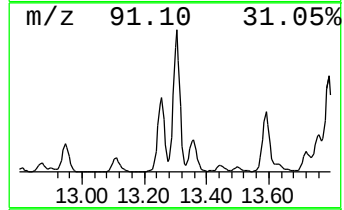
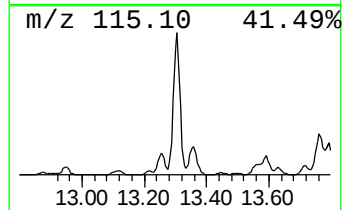
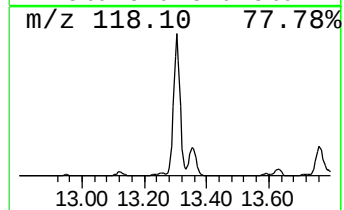
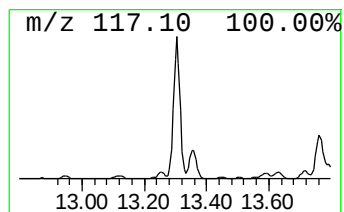
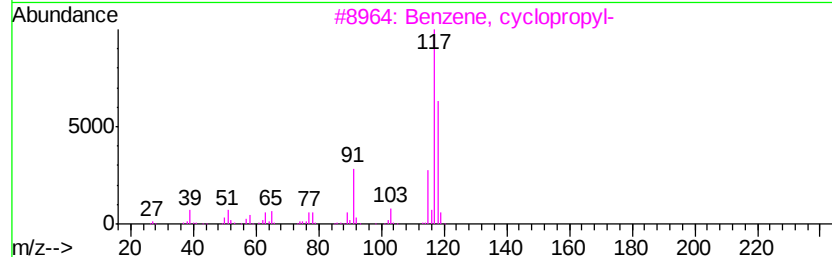
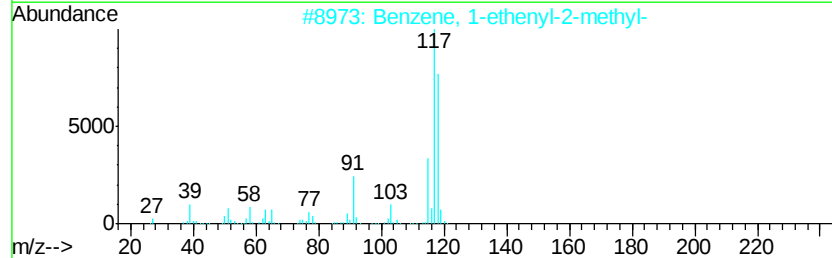
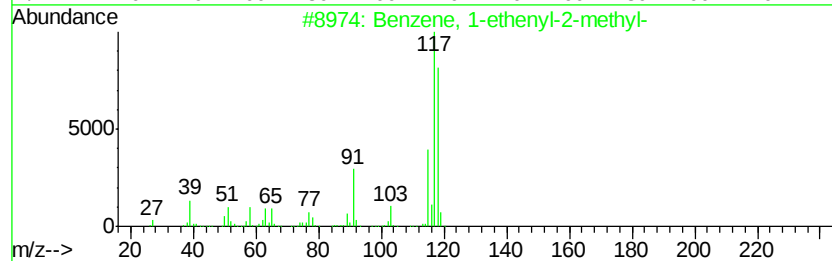
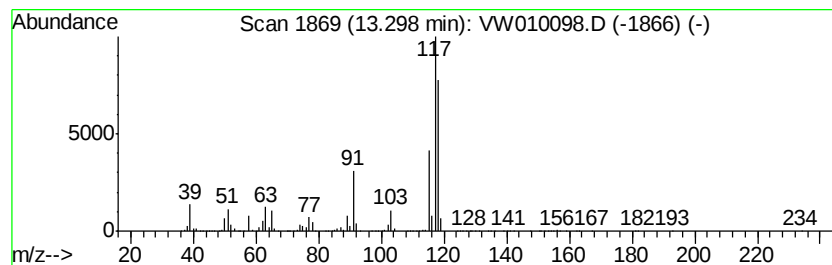
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Quant Title : VOC Analysis

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

Peak Number 7 Benzene, 1-ethenyl-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	23.78 ug/L	2931450	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	95
2		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
3		Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	022250-74-4	92
5		Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	92



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

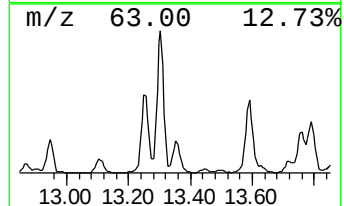
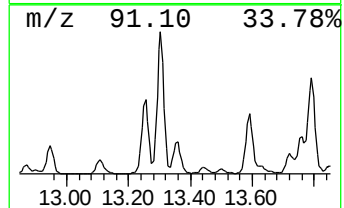
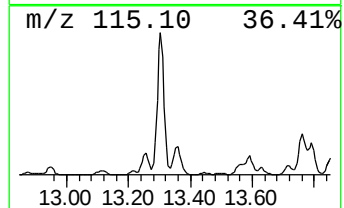
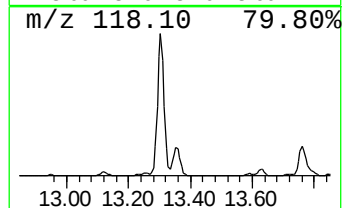
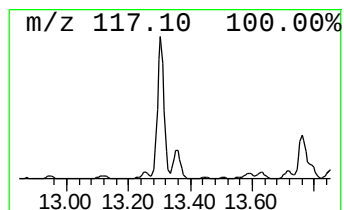
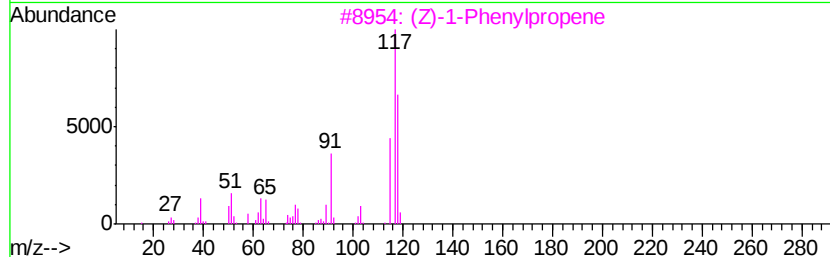
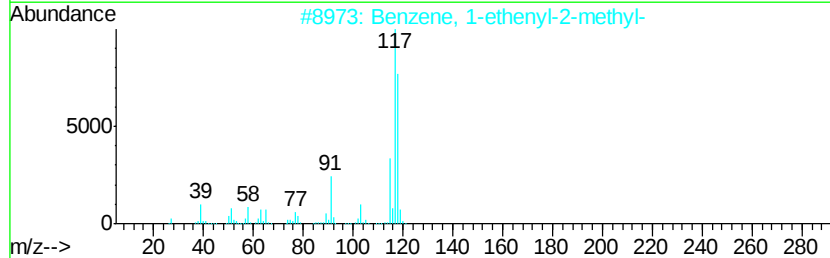
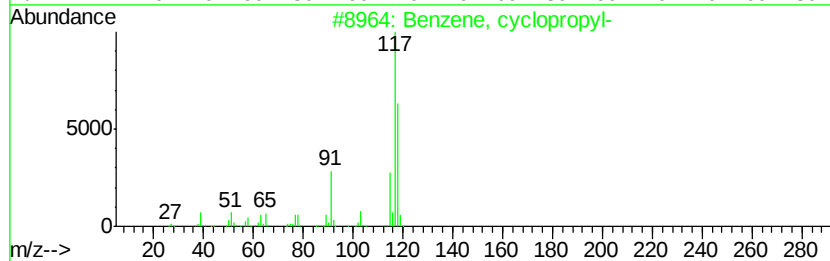
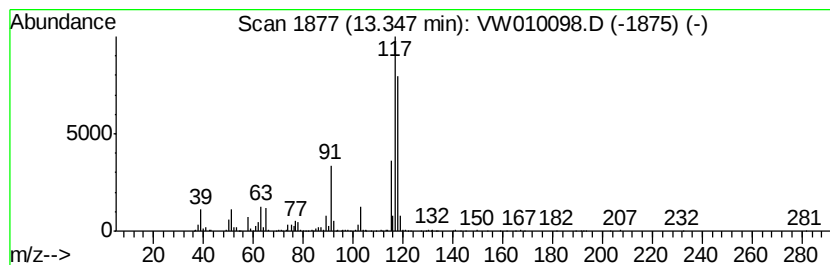
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Quant Title : VOC Analysis

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

Peak Number 8 Benzene, cyclopropyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	5.24 ug/L	646333	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, cvclopropyl-	118	C9H10	000873-49-4	94
2		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
3		(Z)-1-Phenylpropene	118	C9H10	000766-90-5	93
4		Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	93
5		Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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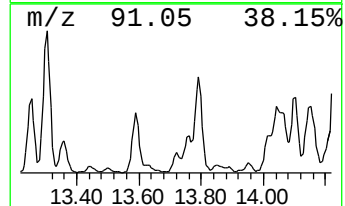
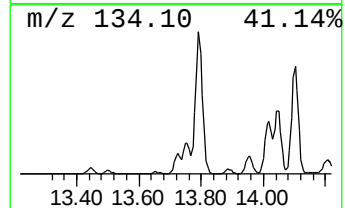
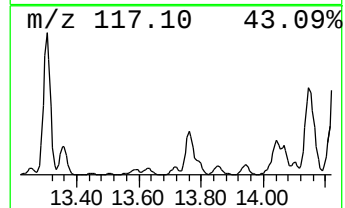
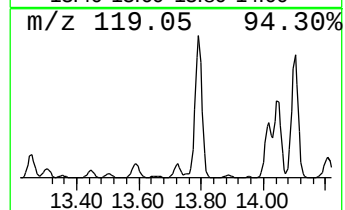
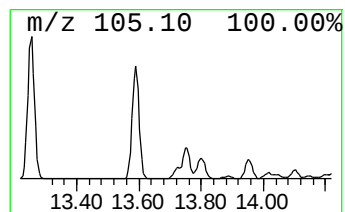
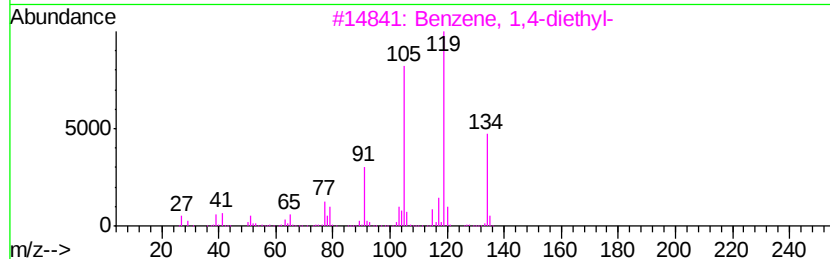
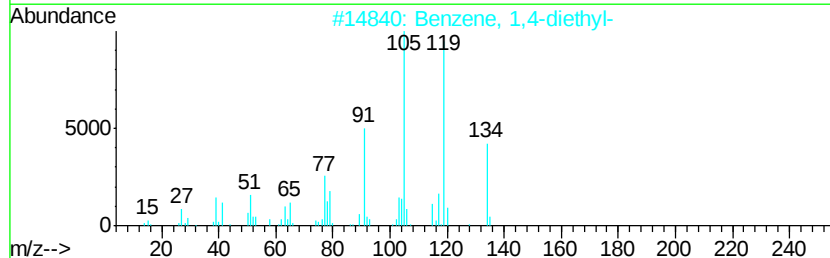
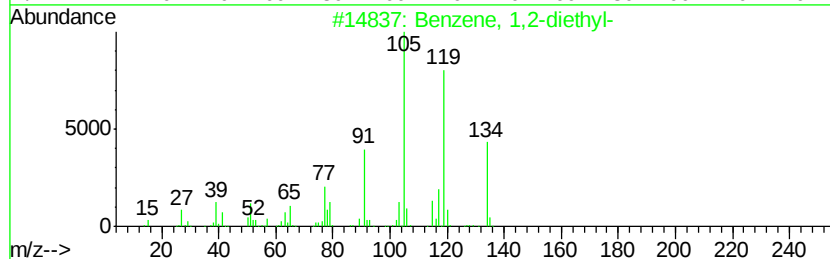
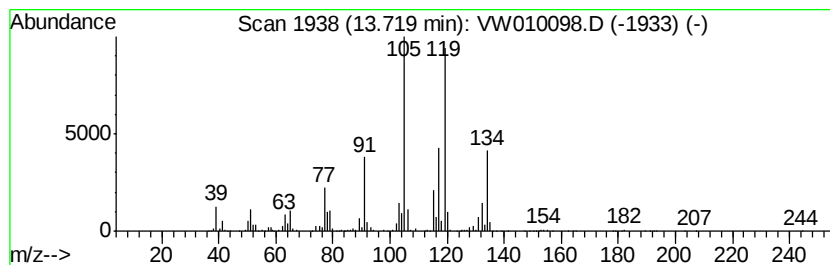
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Quant Title : VOC Analysis

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

Peak Number 9 Benzene, 1,2-diethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	4.46 ug/L	550084	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
2		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	92
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	76
4		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	76
5		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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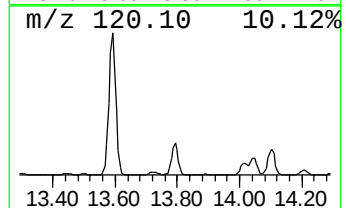
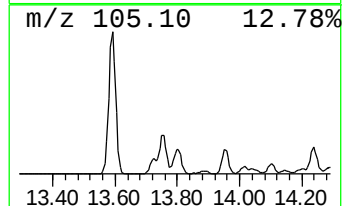
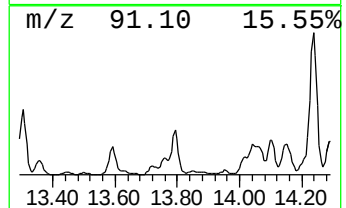
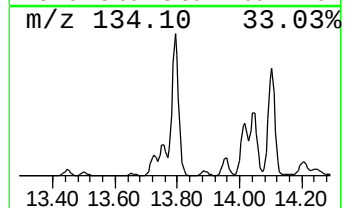
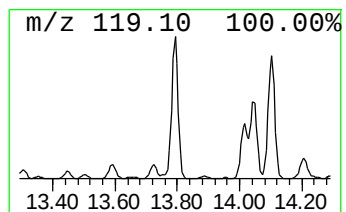
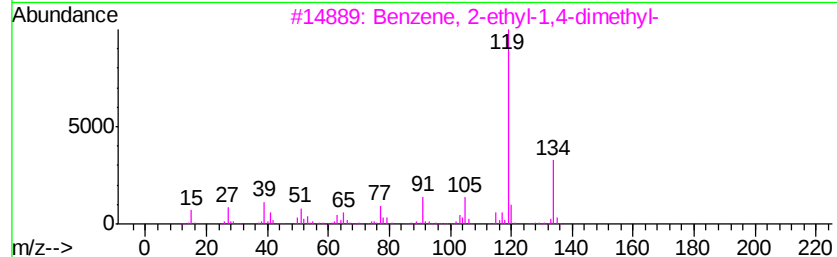
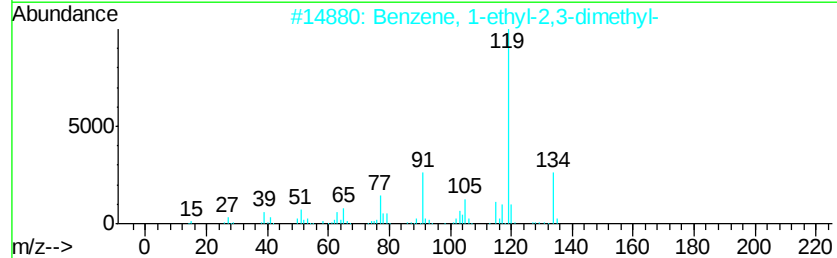
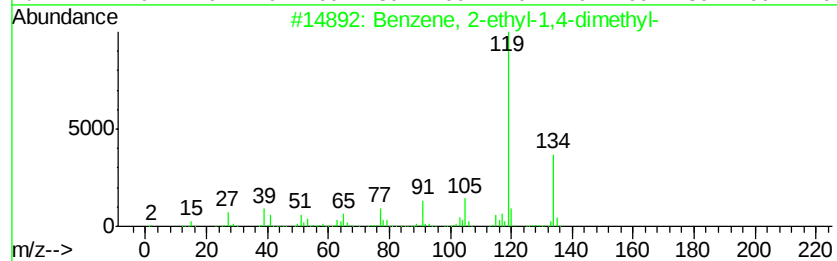
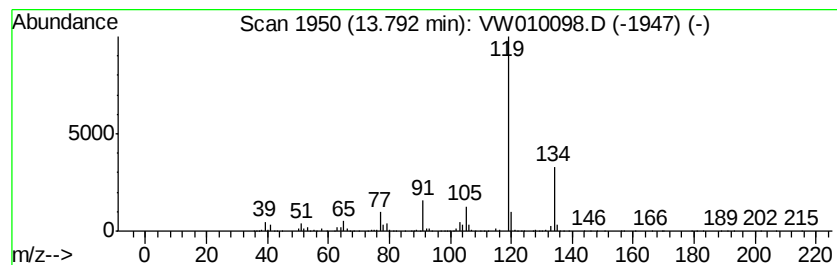
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Quant Title : VOC Analysis

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

Peak Number 11 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	18.09 ug/L	2230010	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-2,3-dimethyl-	134	C10H14	000933-98-2	91
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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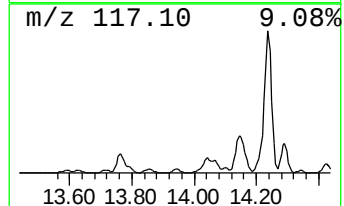
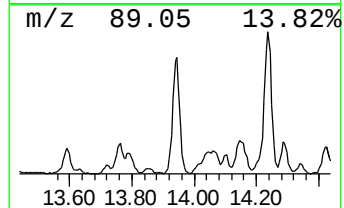
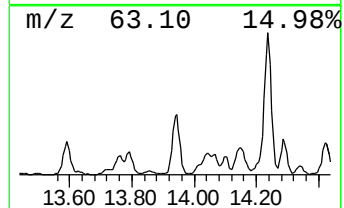
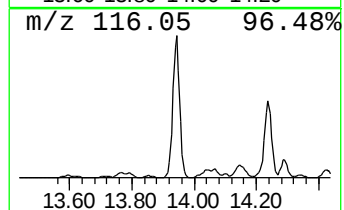
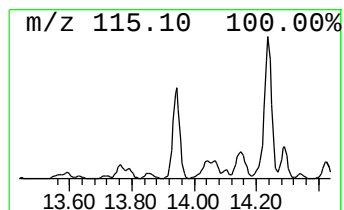
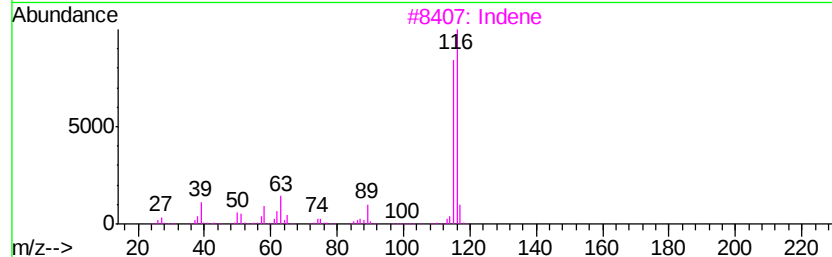
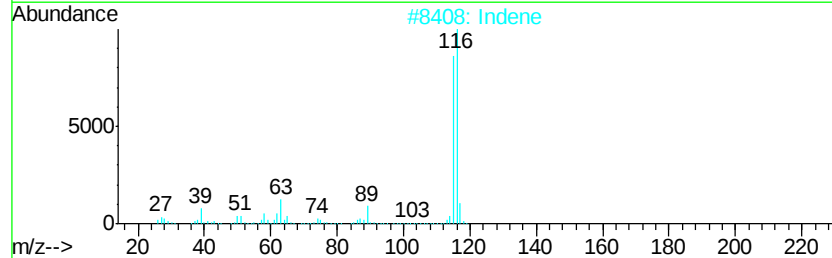
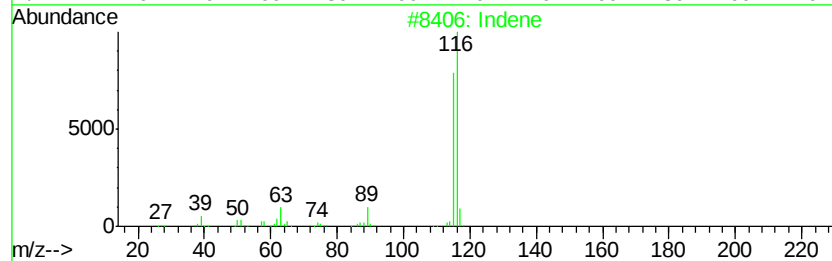
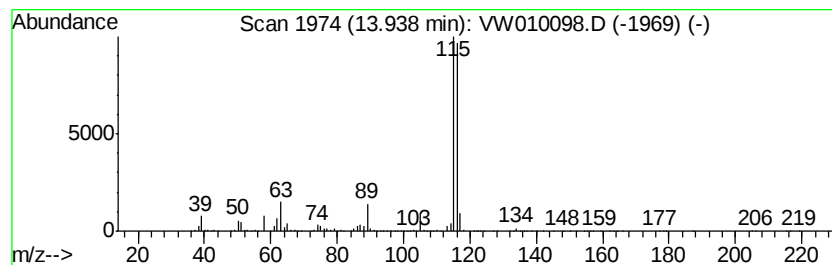
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Quant Title : VOC Analysis

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

Peak Number 12 Indene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	17.01 ug/L	2096870	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indene	116	C9H8	000095-13-6	95
2		Indene	116	C9H8	000095-13-6	94
3		Indene	116	C9H8	000095-13-6	94
4		Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
5		3-Methylphenylacetylene	116	C9H8	000766-82-5	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

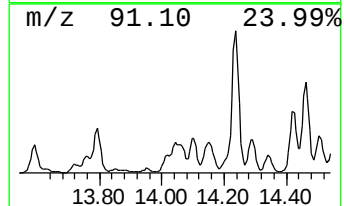
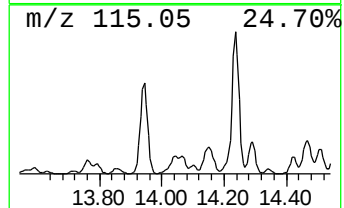
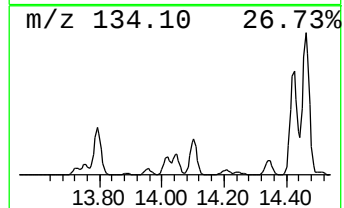
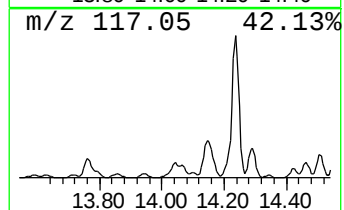
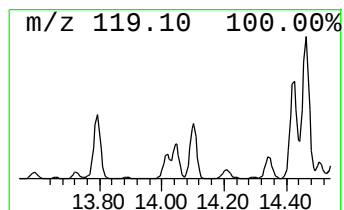
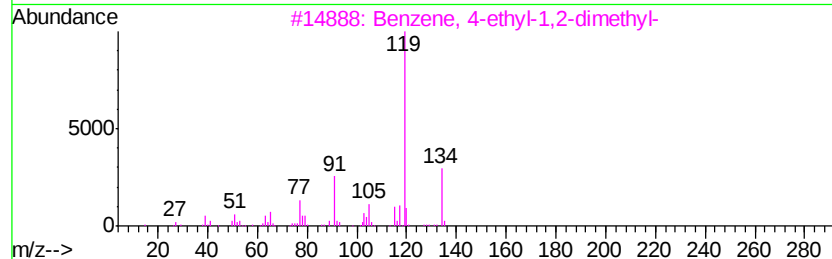
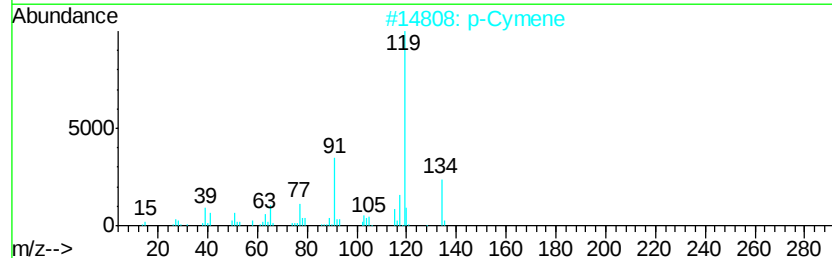
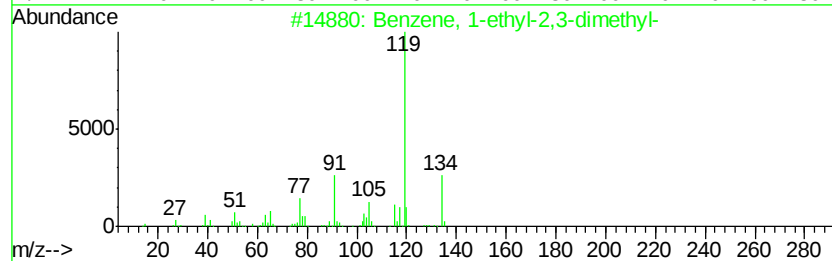
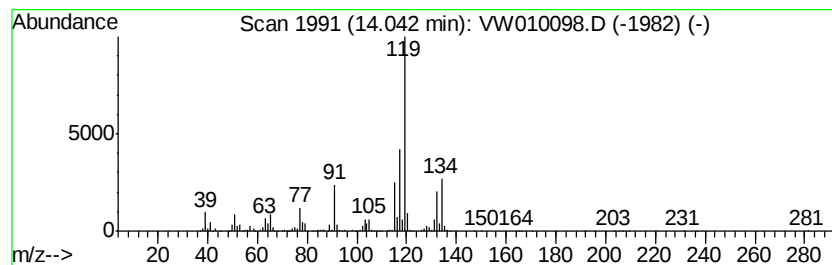
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Quant Title : VOC Analysis

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

Peak Number 13 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	27.47 ug/L	3385560	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	60
2		p-Cymene	134	C10H14	000099-87-6	60
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	60
4		o-Cymene	134	C10H14	000527-84-4	60
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

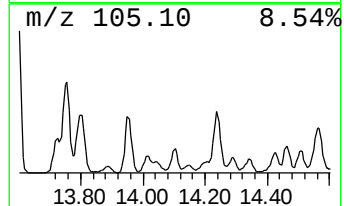
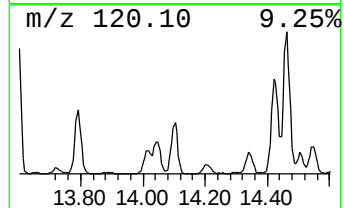
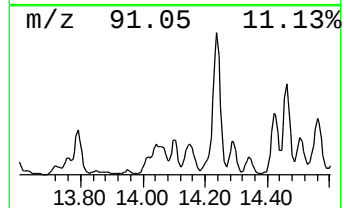
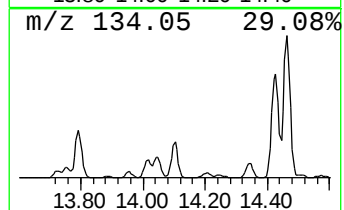
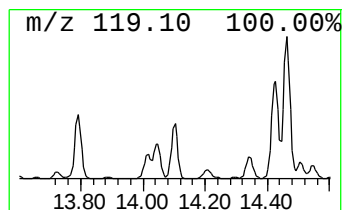
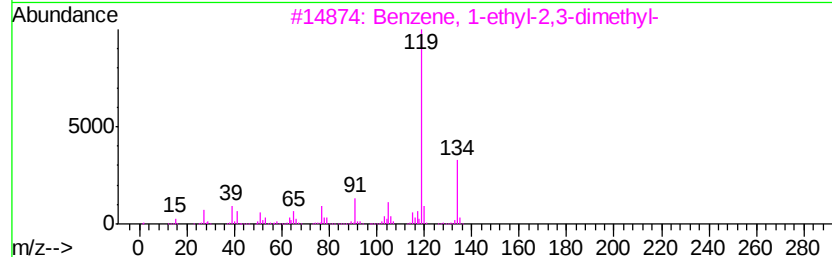
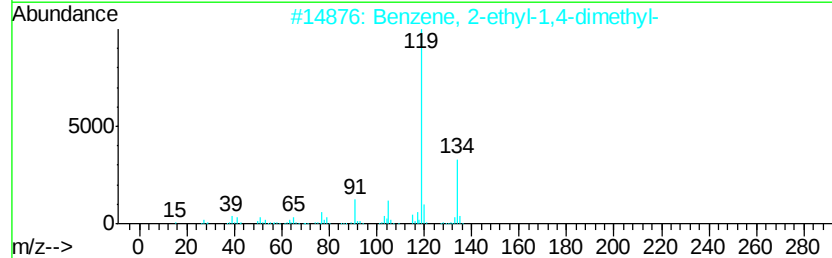
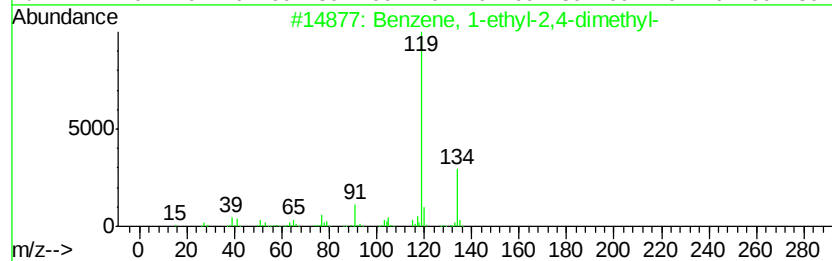
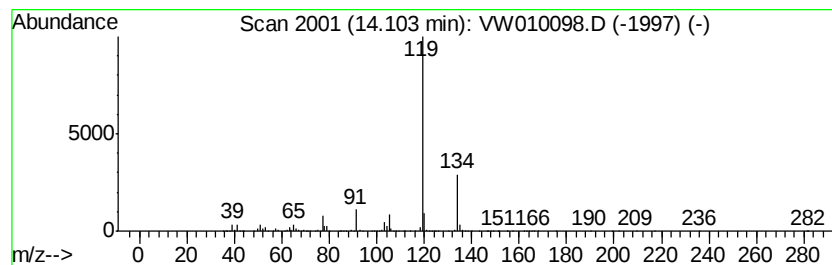
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Quant Title : VOC Analysis

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

Peak Number 14 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	12.22 ug/L	1506780	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		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

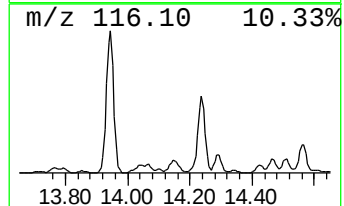
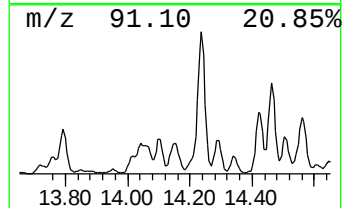
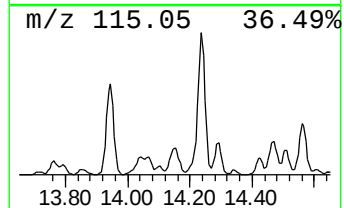
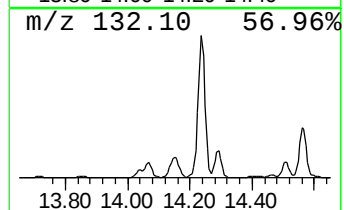
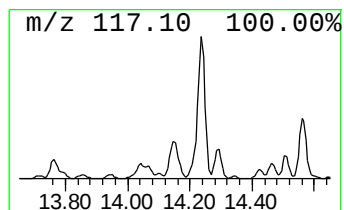
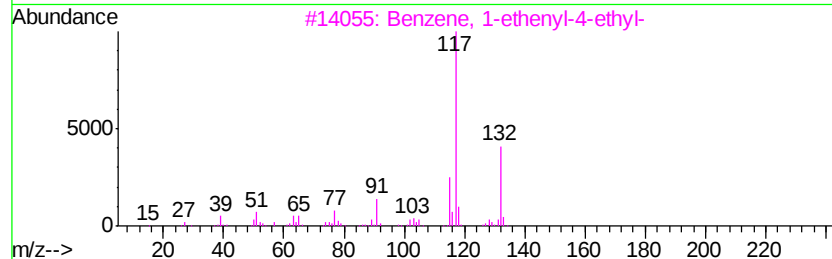
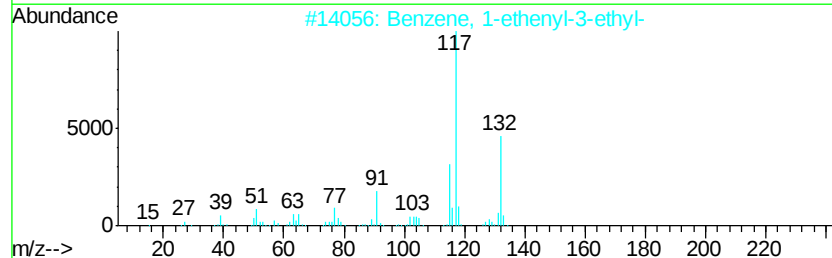
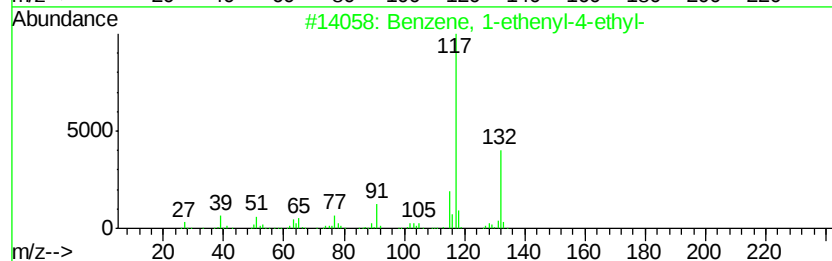
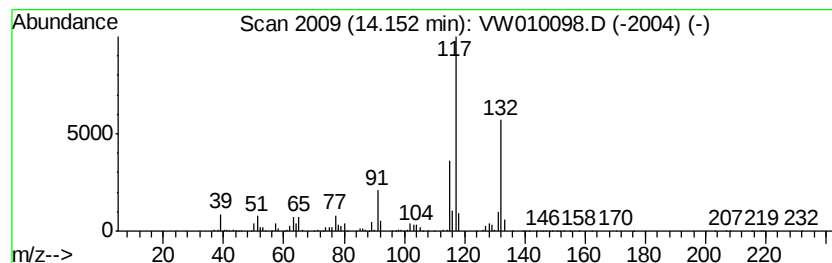
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Quant Title : VOC Analysis

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

Peak Number 15 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	14.89 ug/L	1835680	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	94
2		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	94
3		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	91
4		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	91
5		Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

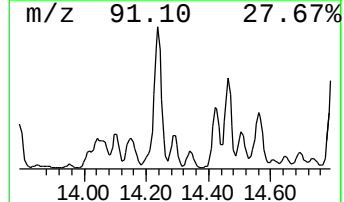
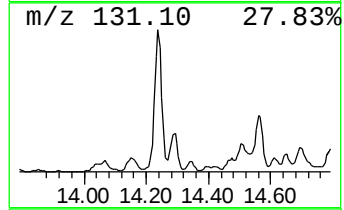
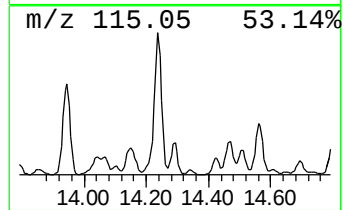
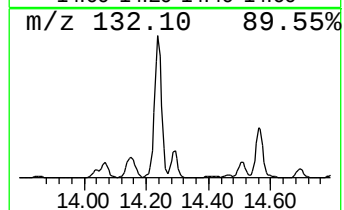
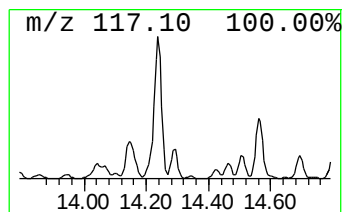
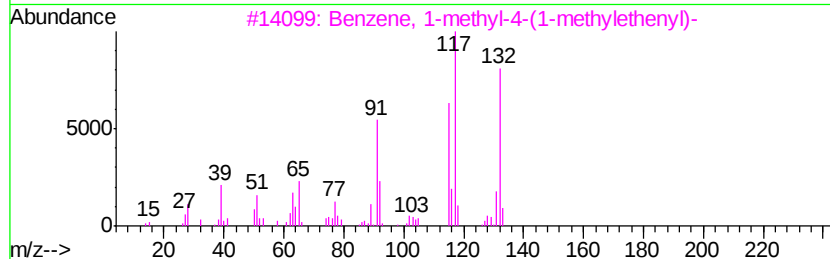
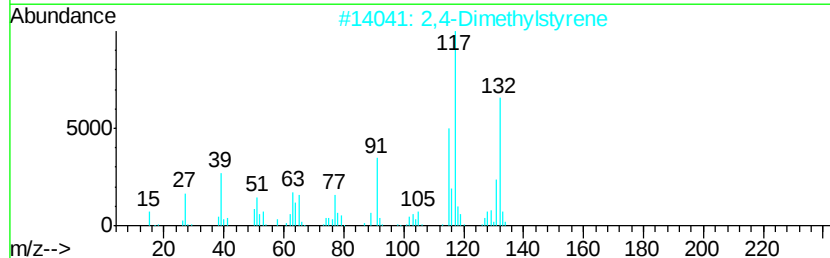
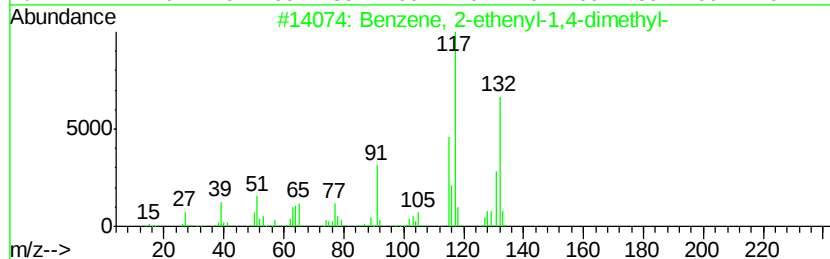
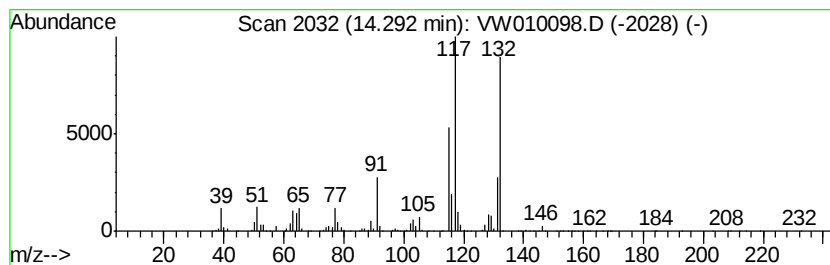
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Quant Title : VOC Analysis

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

Peak Number 17 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	14.75 ug/L	1818680	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-4-(1-methyleth...	132	C10H12	001195-32-0	94
4		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
5		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

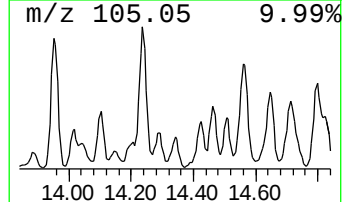
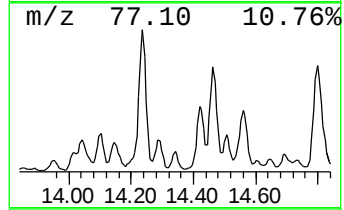
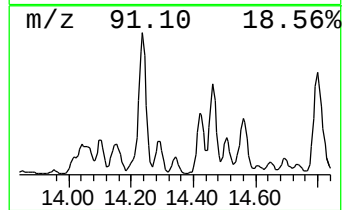
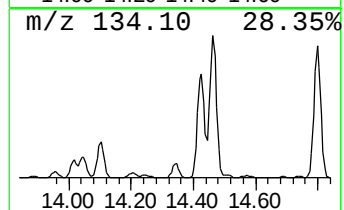
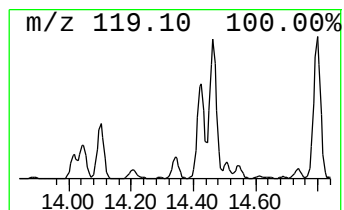
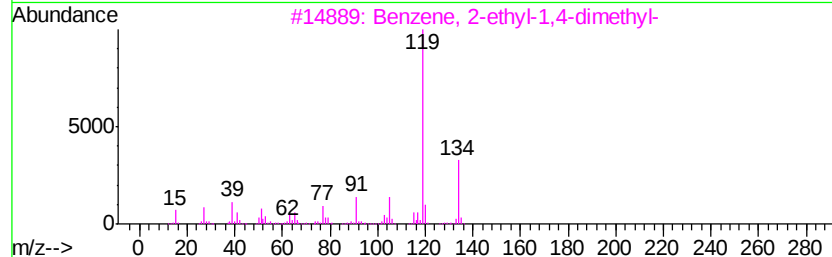
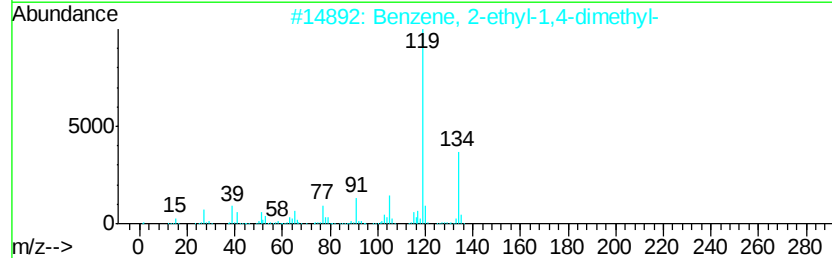
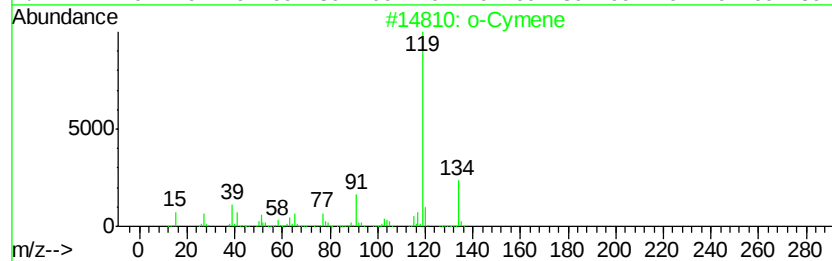
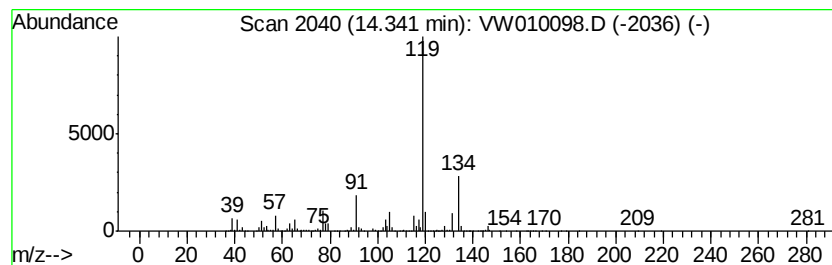
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Quant Title : VOC Analysis

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

Peak Number 18 o-Cymene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	6.36 ug/L	783506	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	94
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
5		p-Cymene	134	C10H14	000099-87-6	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

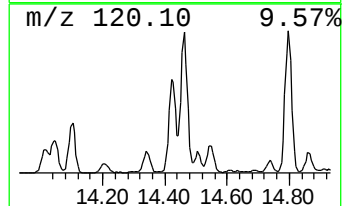
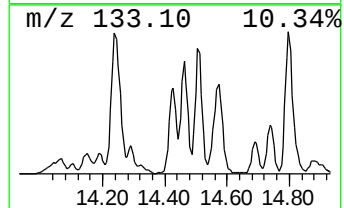
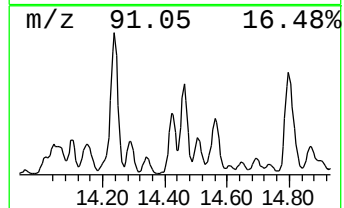
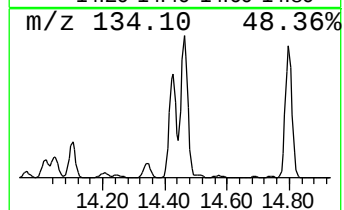
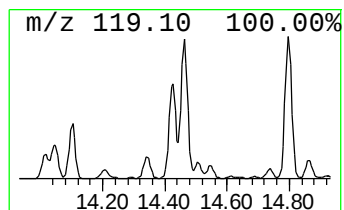
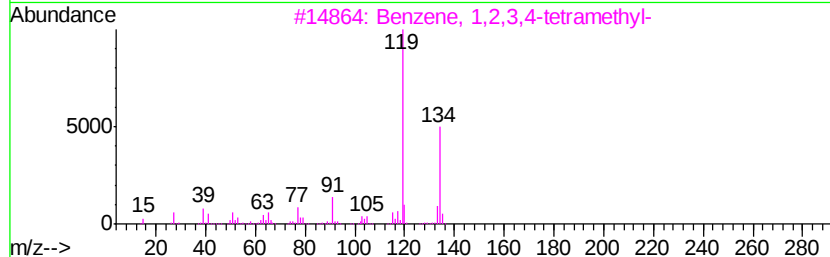
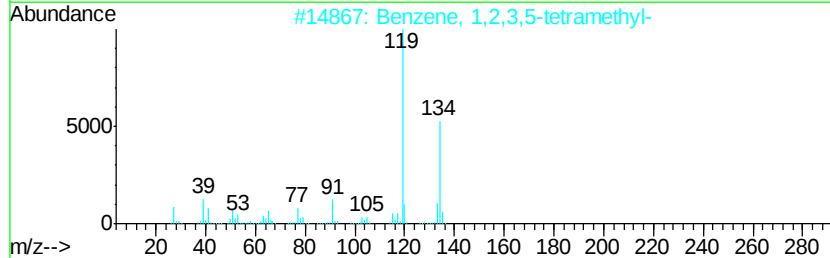
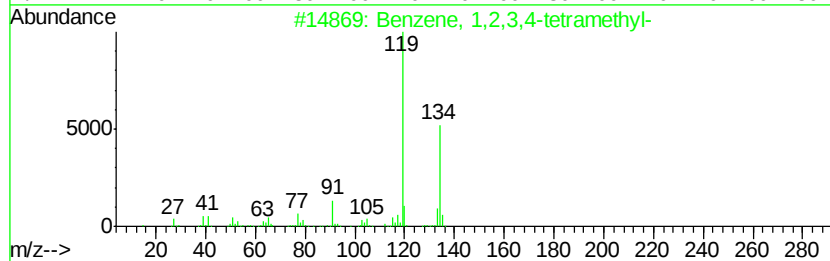
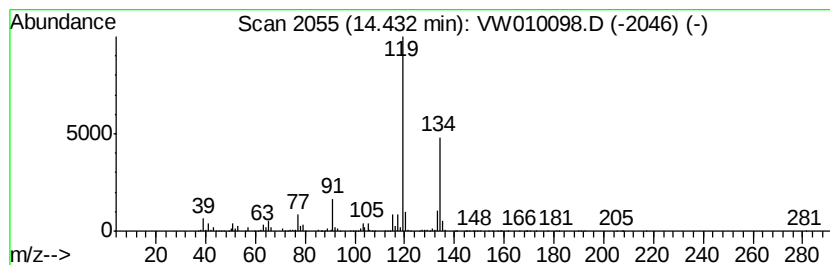
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Quant Title : VOC Analysis

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

Peak Number 19 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	31.74 ug/L	3911920	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

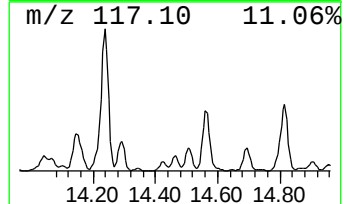
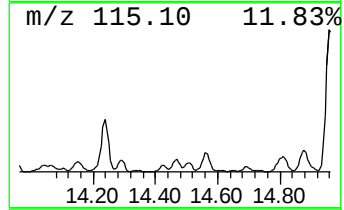
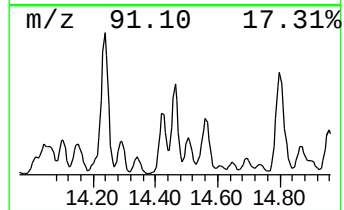
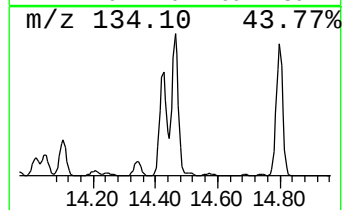
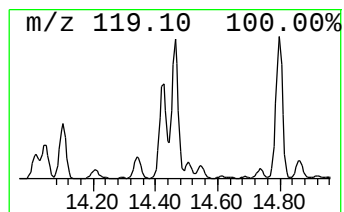
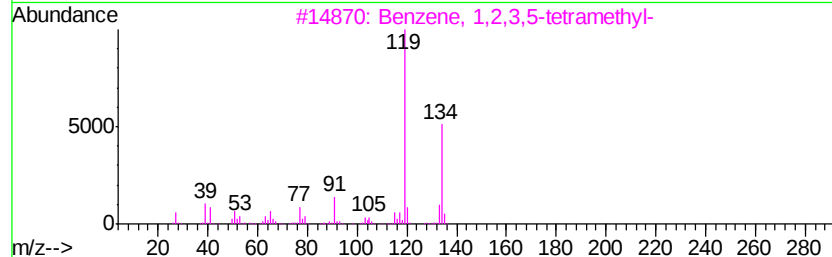
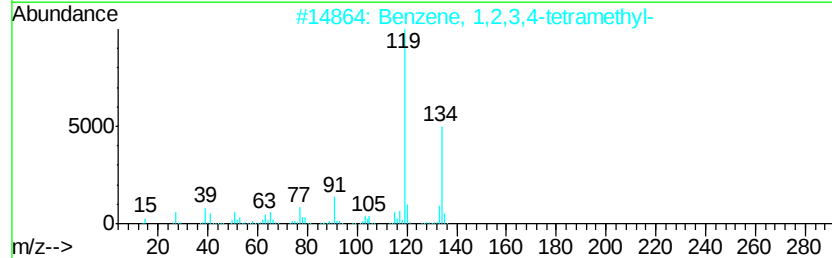
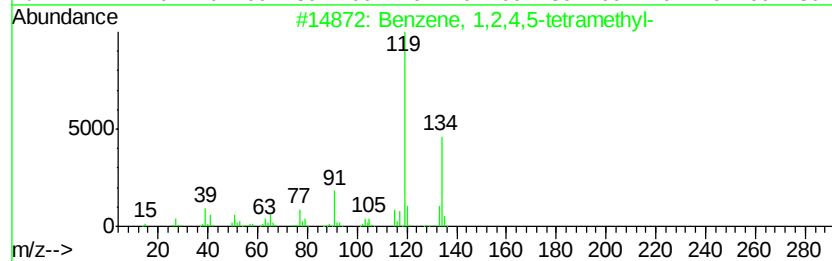
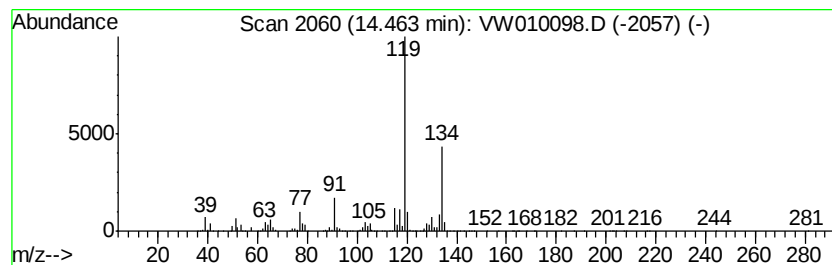
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Quant Title : VOC Analysis

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

Peak Number 20 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	42.56 ug/L	5245920	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	95
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

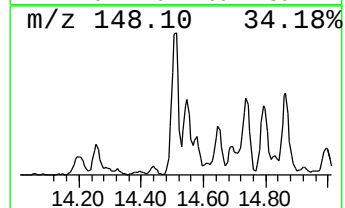
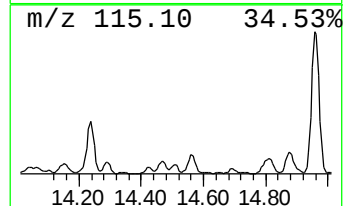
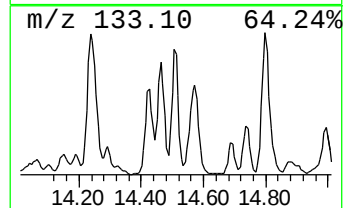
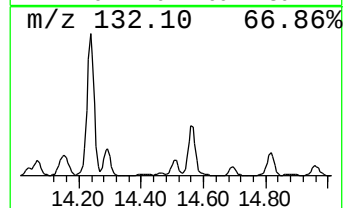
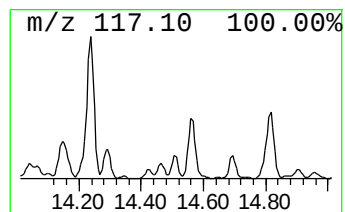
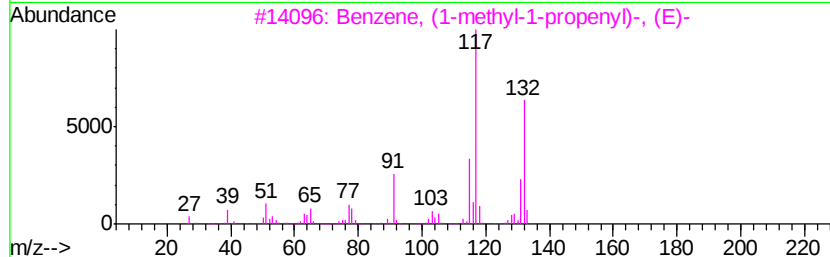
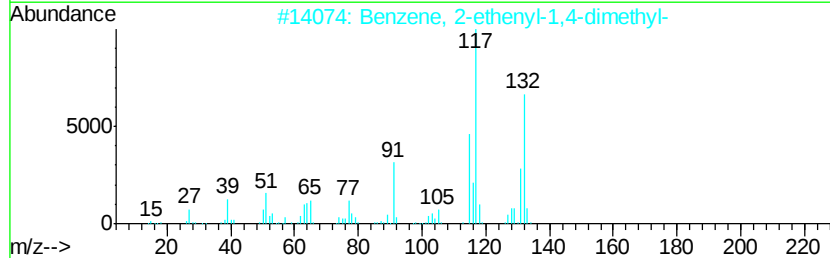
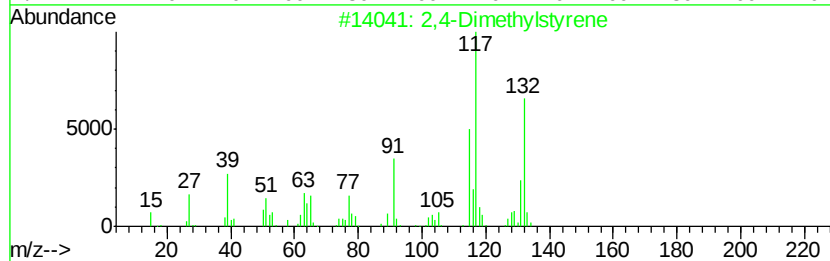
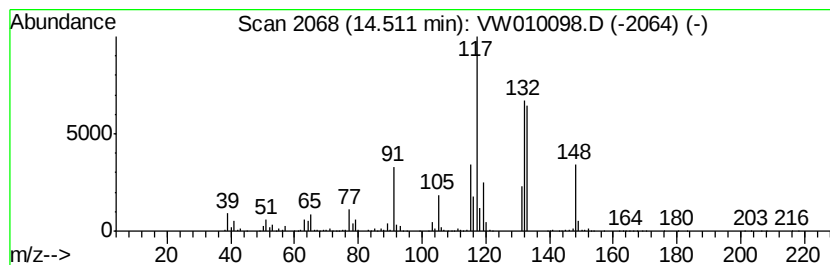
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Quant Title : VOC Analysis

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

Peak Number 21 2,4-Dimethylstyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	14.23 ug/L	1753890	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4-Dimethylstvrene	132	C10H12	002234-20-0	86
2		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
3		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	70
4		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	70
5		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

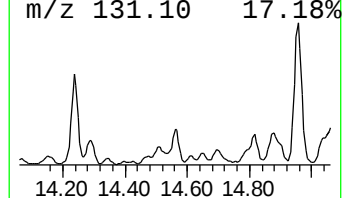
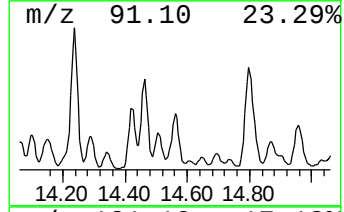
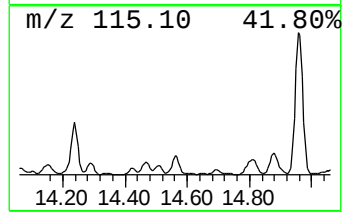
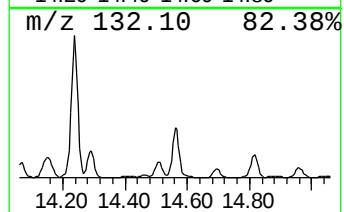
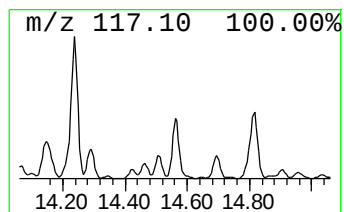
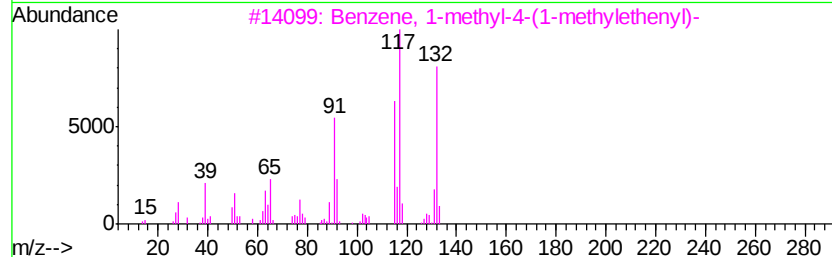
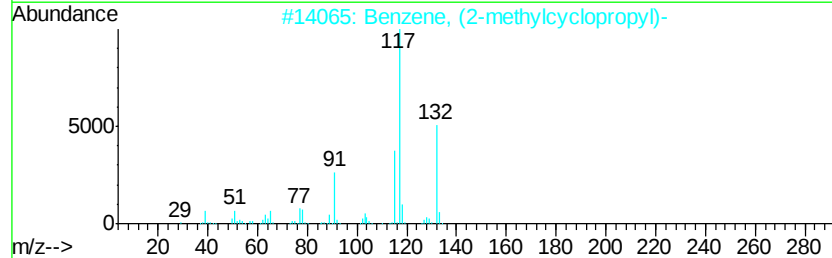
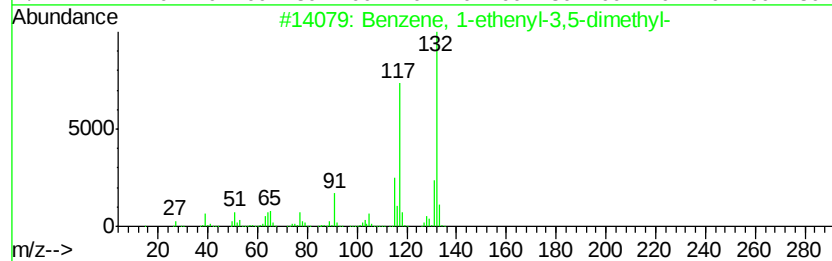
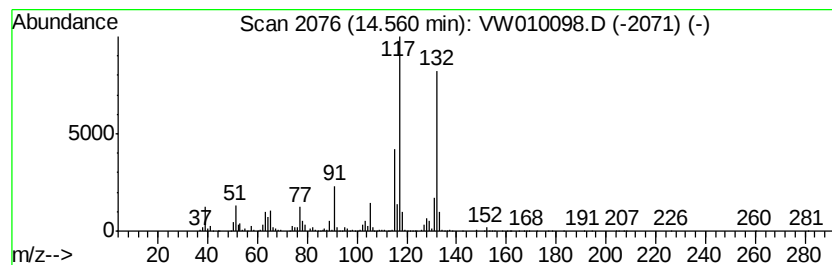
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Quant Title : VOC Analysis

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

Peak Number 22 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	29.75 ug/L	3666440	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	96
2		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	95
3		Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	94
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	94
5		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

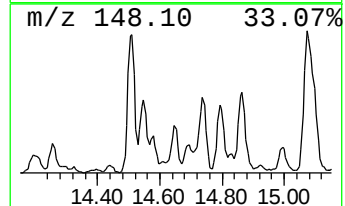
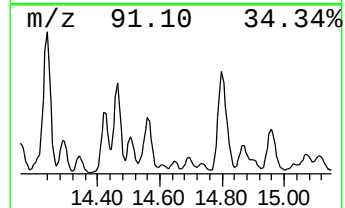
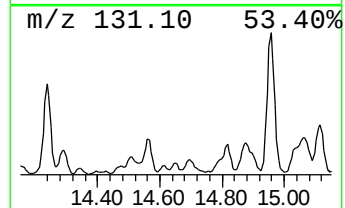
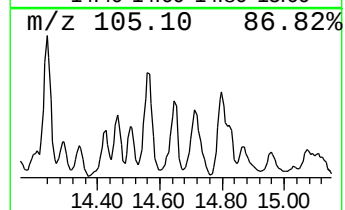
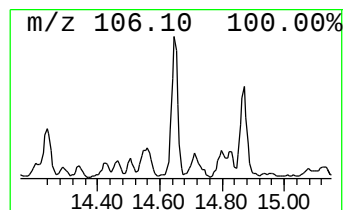
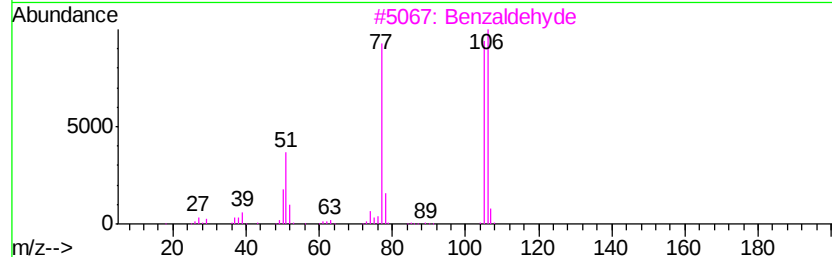
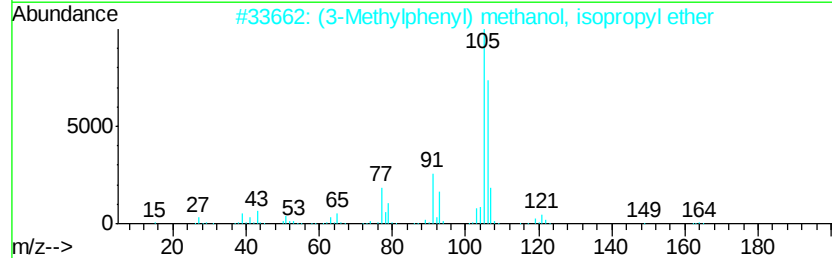
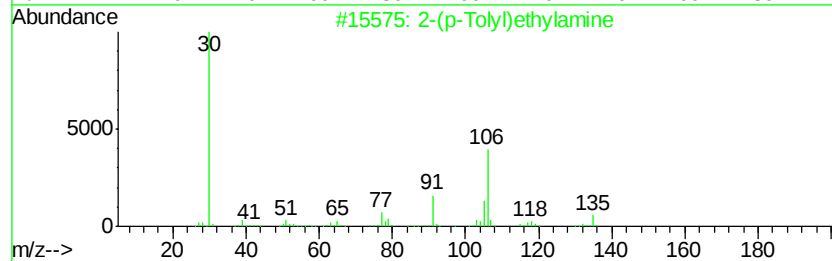
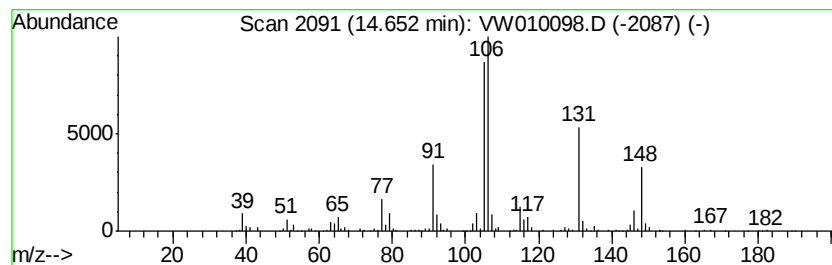
Instrument :
MSVOA_W
ClientSampleId :
GAHN6

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 23 2-(p-Tolyl)ethylamine Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	2.14 ug/L	264194	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		2-(p-Tolyl)ethylamine	135 C9H13N	003261-62-9 50
2		(3-Methylphenyl) methanol, isopr...	164 C11H16O	1000374-58-3 47
3		Benzaldehyd	106 C7H6O	000100-52-7 46
4		1-Hexen-4-ol, 3-methyl-5-phenyl-	190 C13H18O	1000196-46-1 43
5		Benzenamine, 4-butyl-	149 C10H15N	000104-13-2 43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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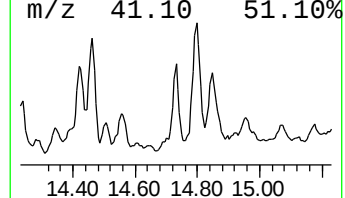
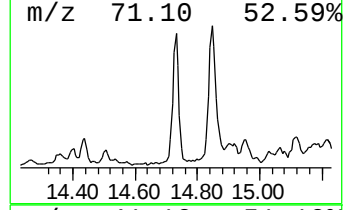
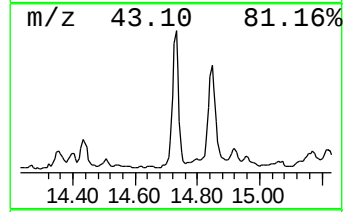
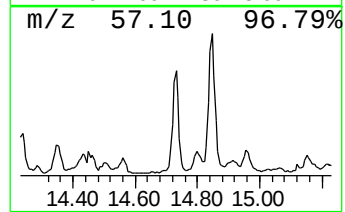
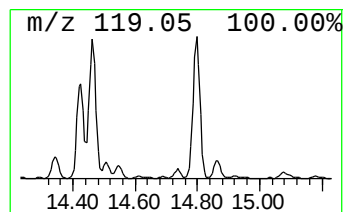
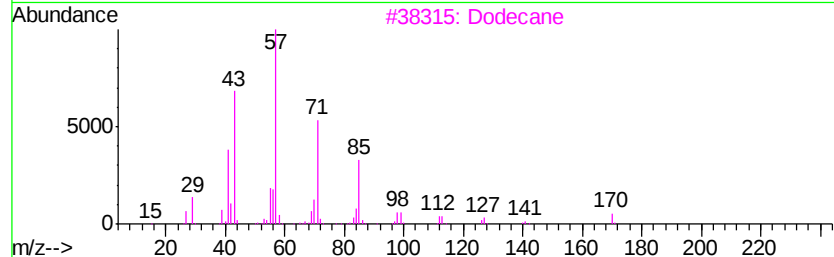
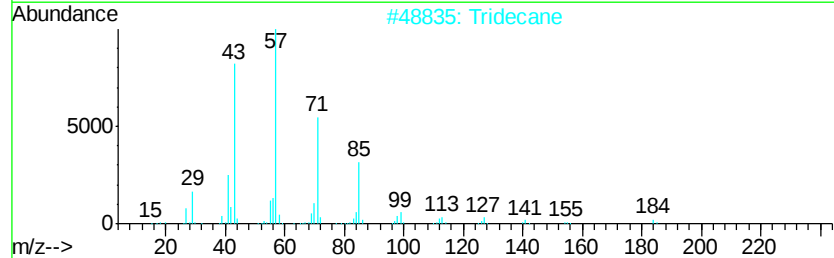
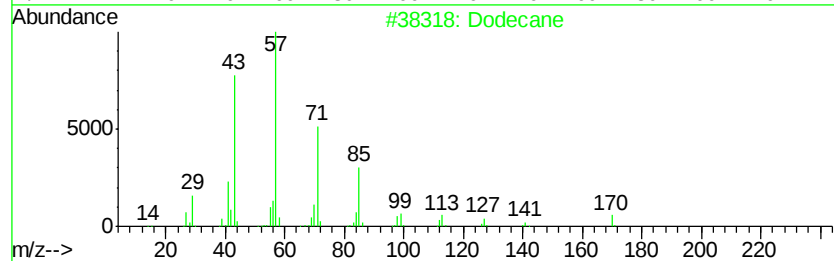
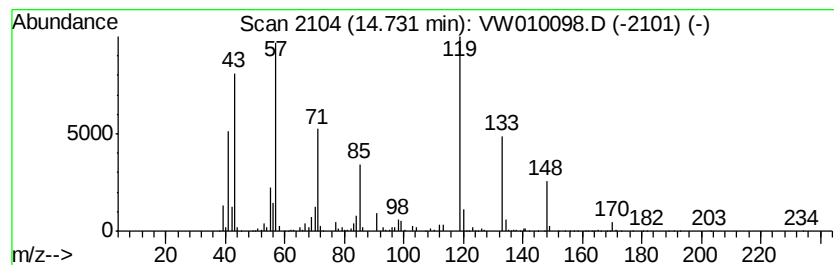
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Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	7.01 ug/L	864272	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	51
2		Tridecane	184	C13H28	000629-50-5	25
3		Dodecane	170	C12H26	000112-40-3	25
4		Tetradecane	198	C14H30	000629-59-4	25
5		Tridecane	184	C13H28	000629-50-5	22



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

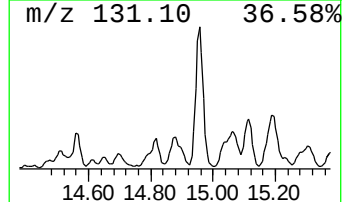
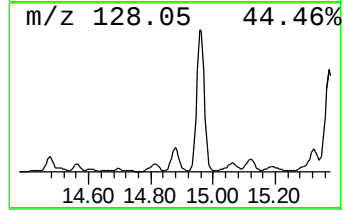
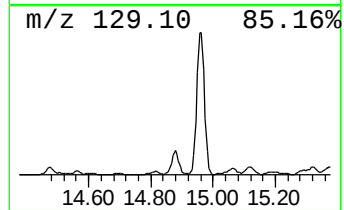
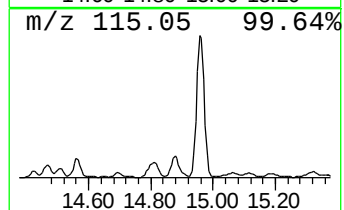
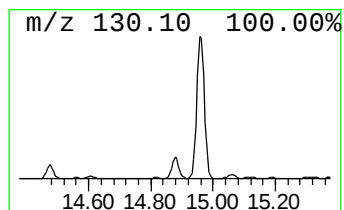
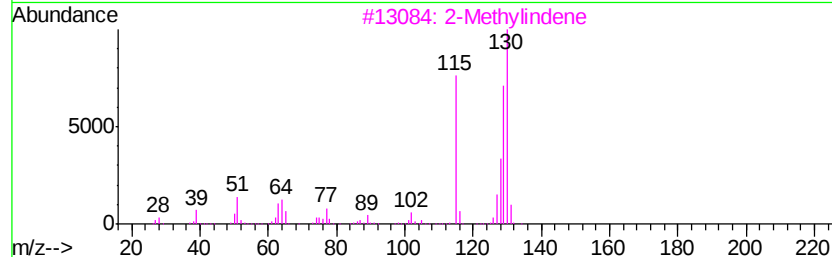
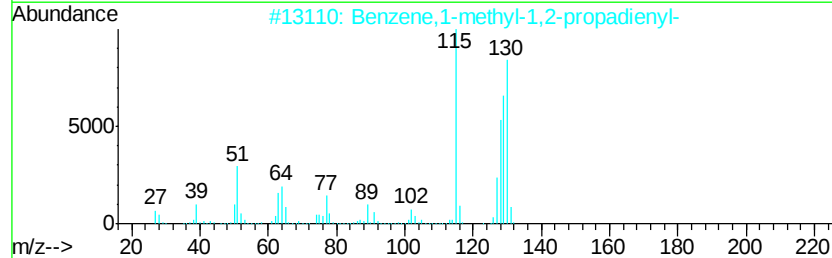
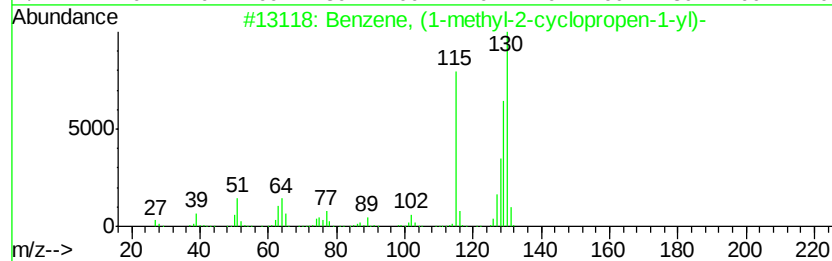
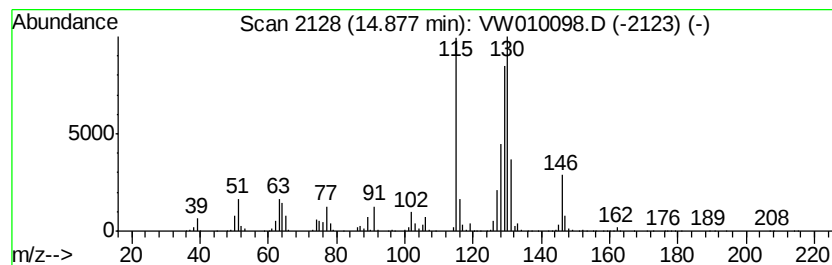
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Quant Title : VOC Analysis

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

Peak Number 27 Benzene, (1-methyl-2-cyclop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	30.28 ug/L	3732920	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	94
2		Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
3		2-Methylindene	130	C10H10	002177-47-1	93
4		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	93
5		Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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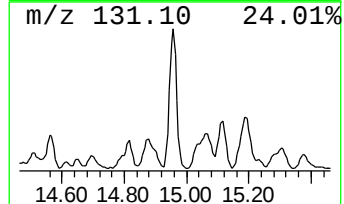
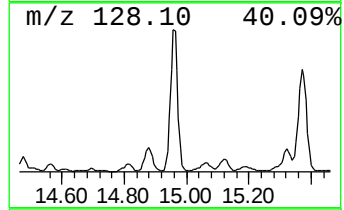
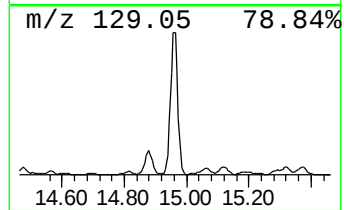
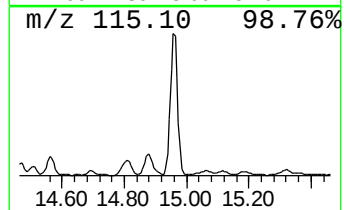
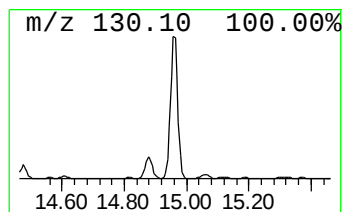
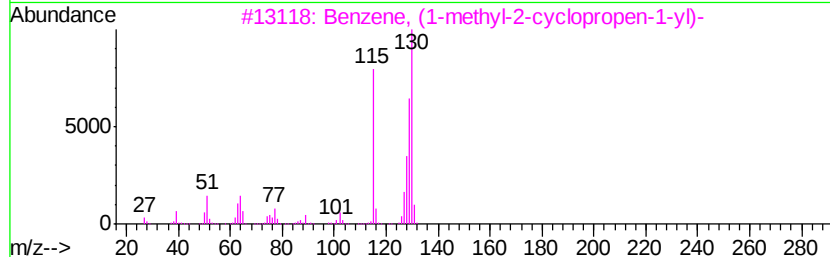
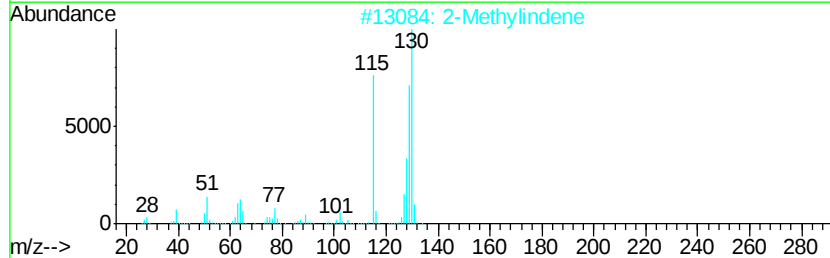
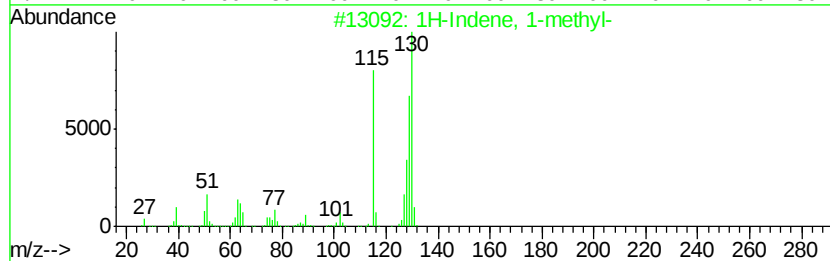
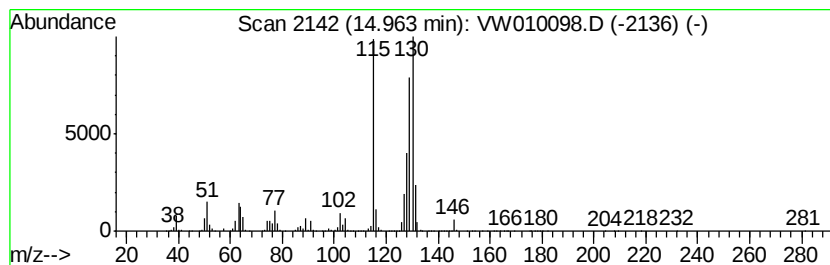
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Quant Title : VOC Analysis

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

Peak Number 28 1H-Indene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	118.86 ug/L	14651300	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	96
2		2-Methylindene	130	C10H10	002177-47-1	95
3		Benzene, (1-methyl-2-cyclopropen-1-yl)-	130	C10H10	065051-83-4	95
4		Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
5		Benzene, 1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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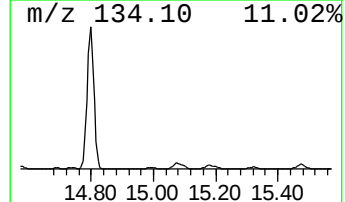
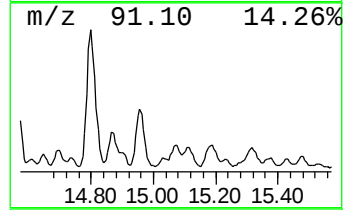
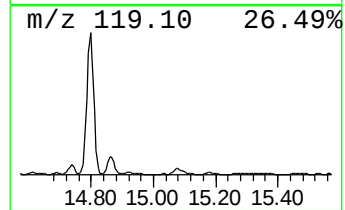
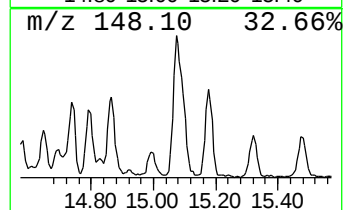
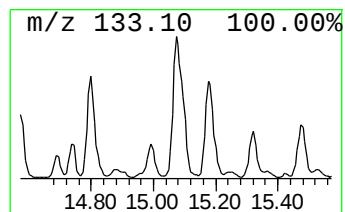
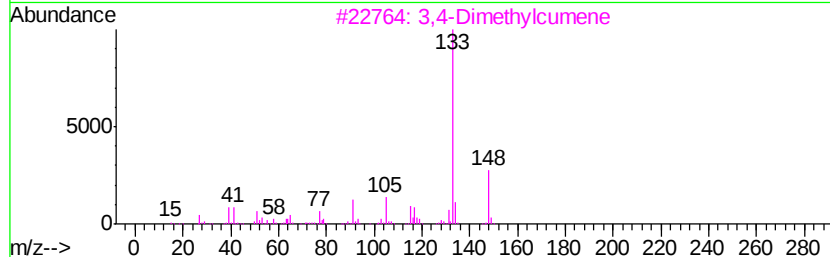
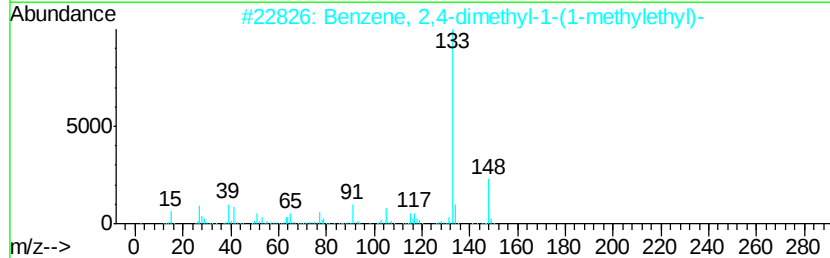
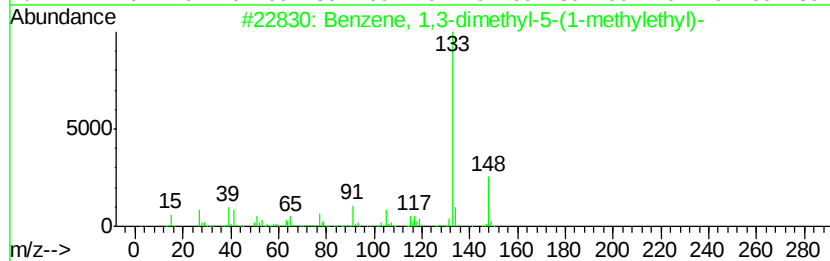
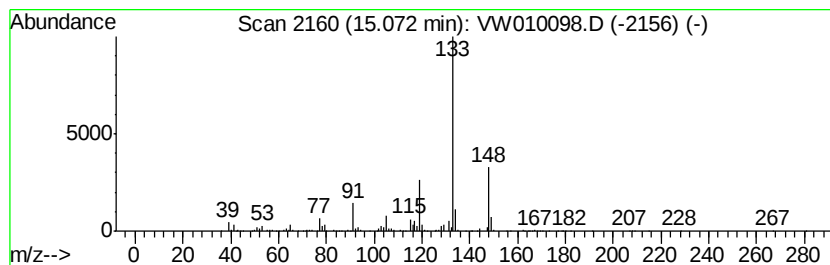
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Quant Title : VOC Analysis

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

Peak Number 29 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	5.41 ug/L	667316	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	87
2		Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	87
3		3,4-Dimethylcumene	148	C11H16	1000370-34-1	87
4		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	86
5		Benzene, pentamethyl-	148	C11H16	000700-12-9	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

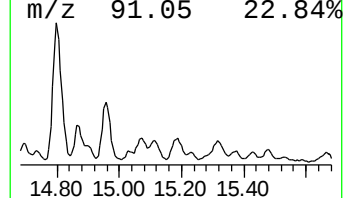
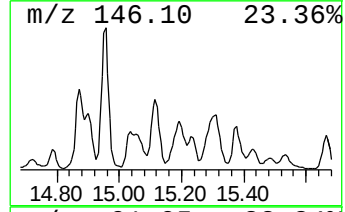
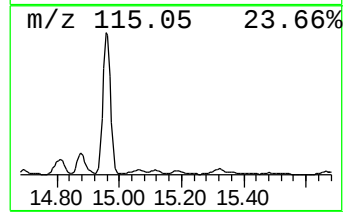
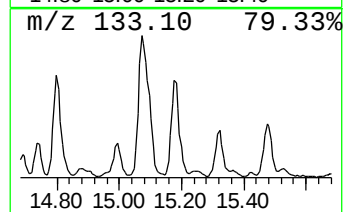
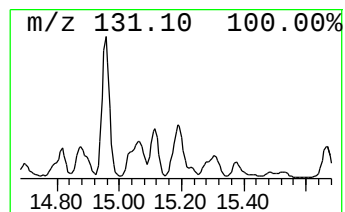
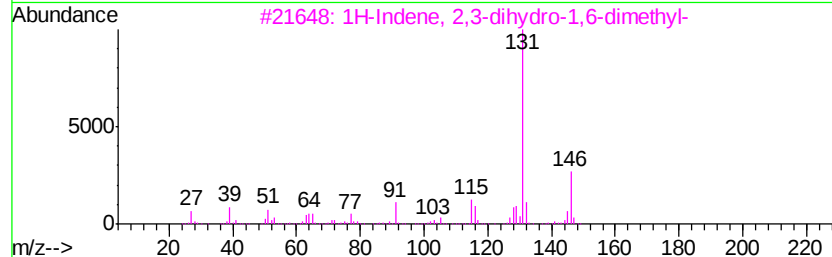
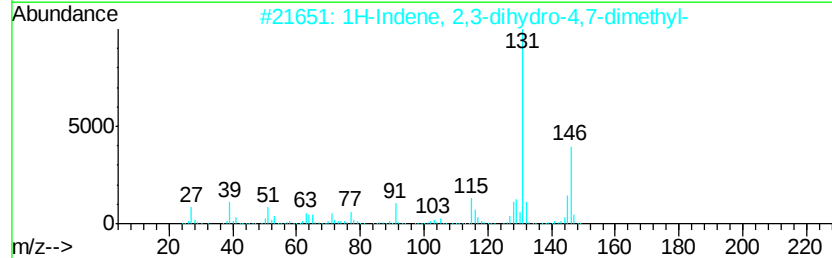
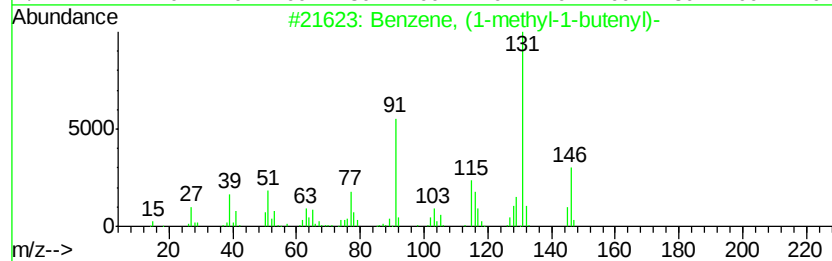
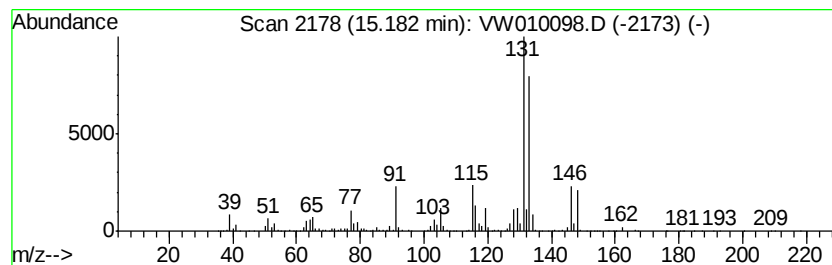
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Quant Title : VOC Analysis

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

Peak Number 30 Benzene, (1-methyl-1-butenyl)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	12.74 ug/L	1570220	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	78
2		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	60
3		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	60
4		Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	60
5		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

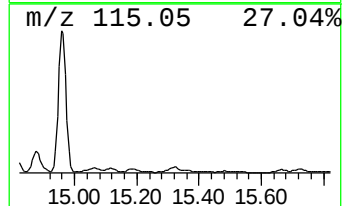
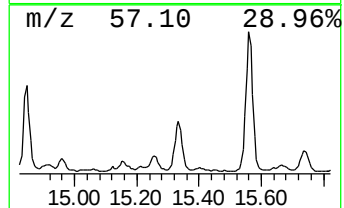
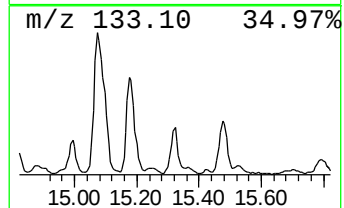
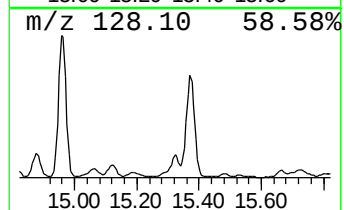
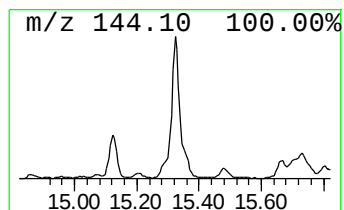
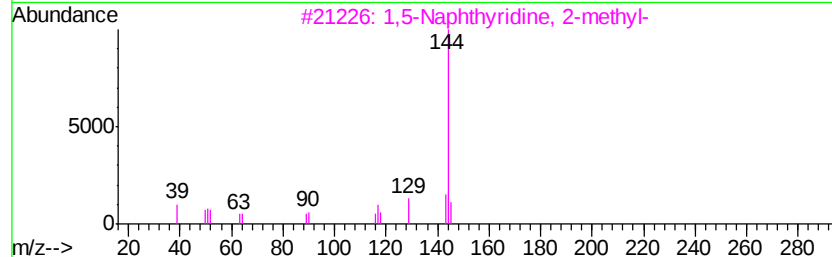
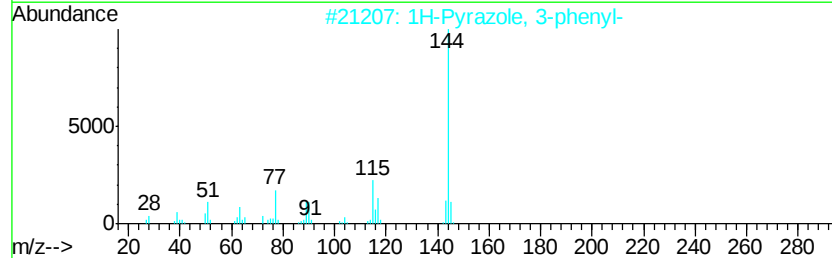
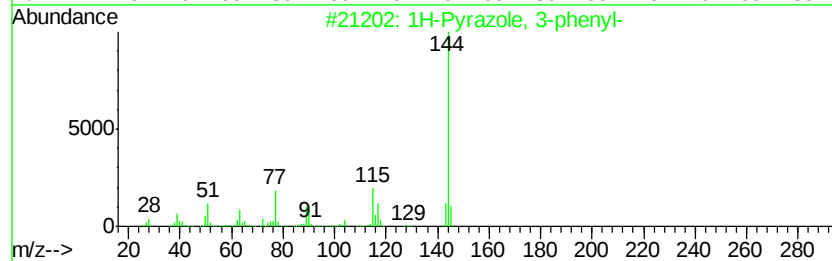
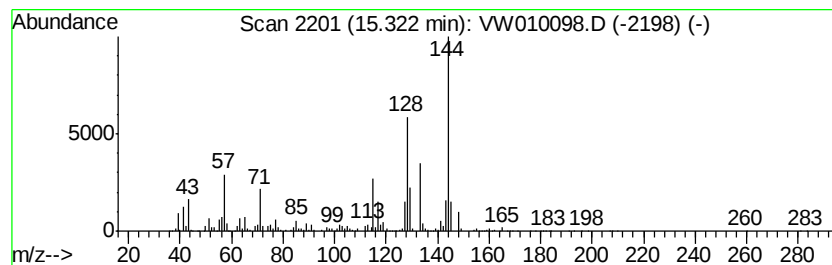
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Quant Title : VOC Analysis

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

Peak Number 31 unknown-02 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	8.37 ug/L	1031690	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Pyrazole, 3-phenyl-	144	C9H8N2	002458-26-6	46
2		1H-Pyrazole, 3-phenyl-	144	C9H8N2	002458-26-6	46
3		1,5-Naphthvridine, 2-methyl-	144	C9H8N2	007675-32-3	43
4		Quinazoline, 4-methyl-	144	C9H8N2	000700-46-9	43
5		3-Quinolinamine	144	C9H8N2	000580-17-6	41



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

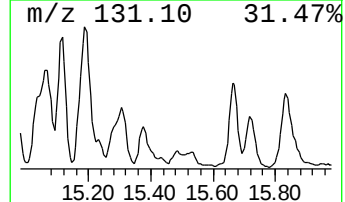
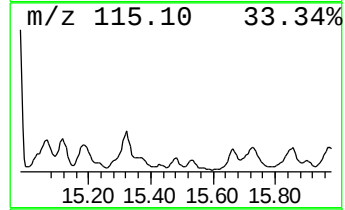
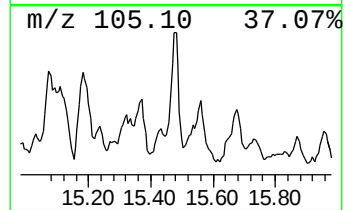
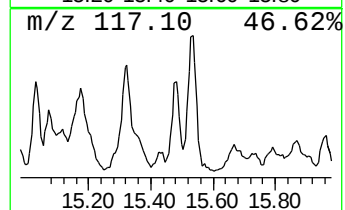
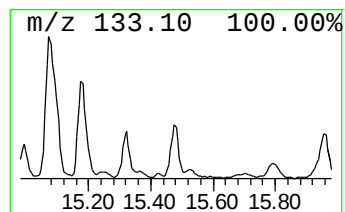
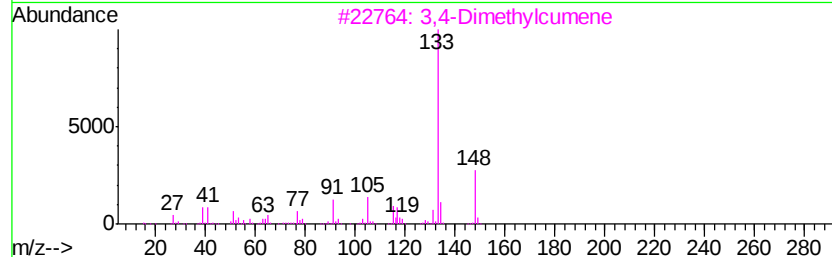
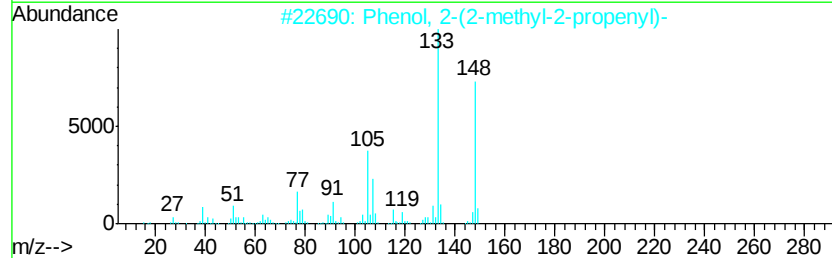
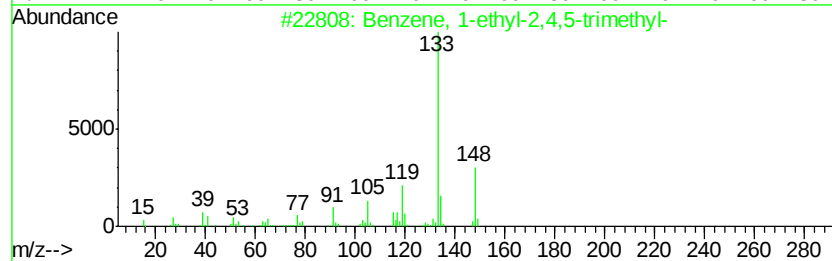
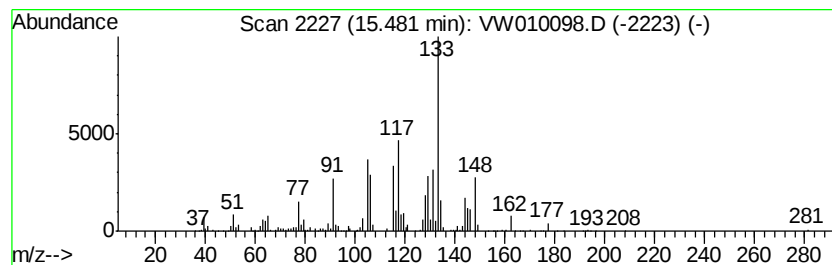
Instrument :
MSVOA_W
ClientSampleId :
GAHN6

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 33 unknown-03 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.48	3.66 ug/L	451054	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-ethyl-2,4,5-trimethyl-	148 C11H16	017851-27-3 43
2		Phenol, 2-(2-methyl-2-propenyl)-	148 C10H12O	020944-88-1 43
3		3,4-Dimethylcumene	148 C11H16	1000370-34-1 43
4		Benzene, 1-ethyl-4-(1-methylethyl)-	148 C11H16	004218-48-8 43
5		Benzene, 1-ethyl-3-(1-methylethyl)-	148 C11H16	004920-99-4 43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

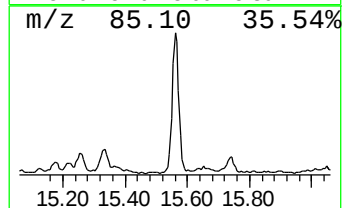
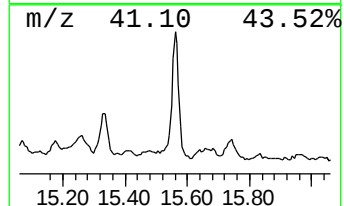
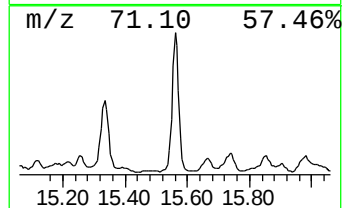
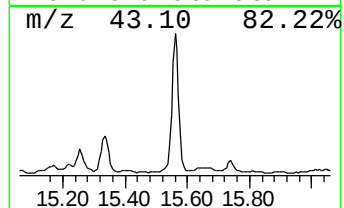
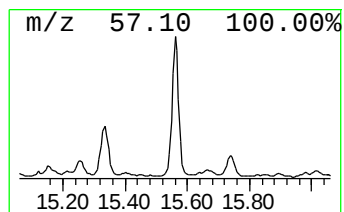
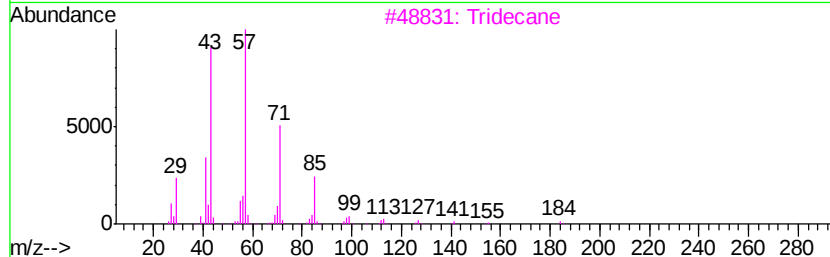
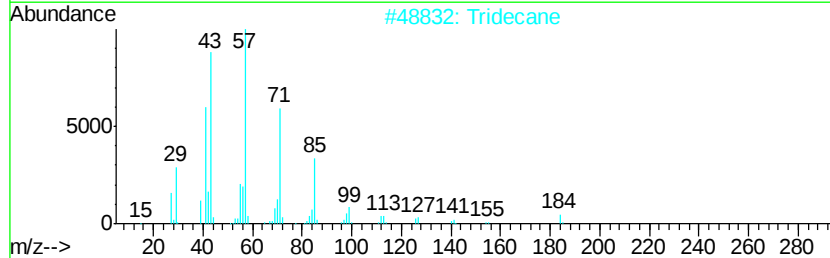
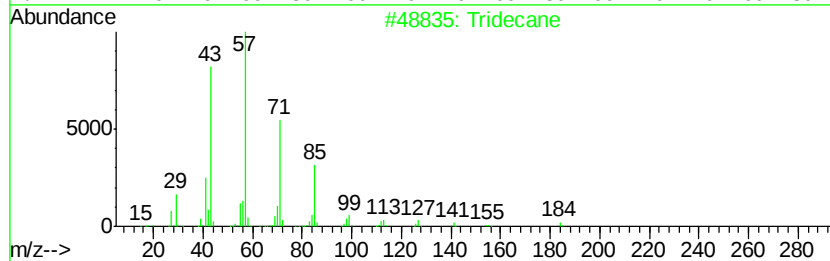
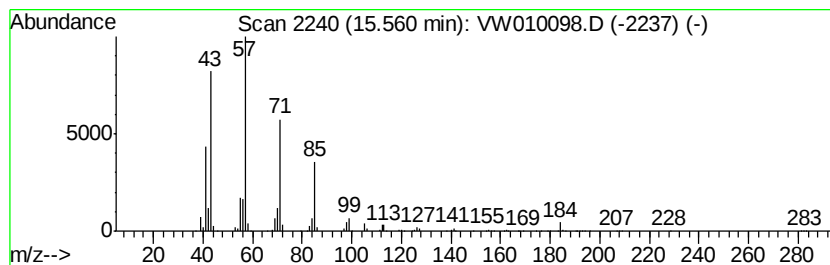
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Quant Title : VOC Analysis

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	10.53 ug/L	1297660	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	94
3		Tridecane	184	C13H28	000629-50-5	90
4		Tetradecane	198	C14H30	000629-59-4	90
5		Hexadecane	226	C16H34	000544-76-3	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

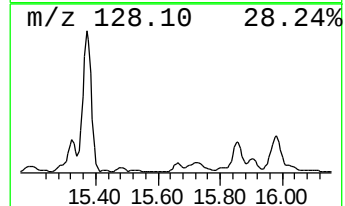
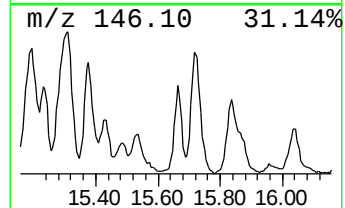
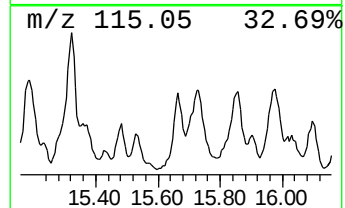
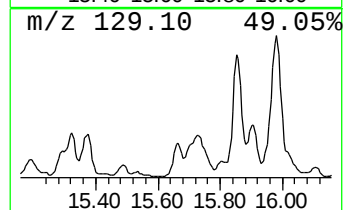
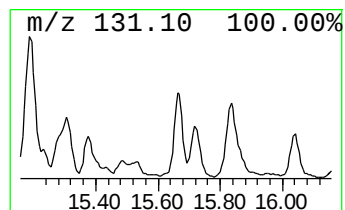
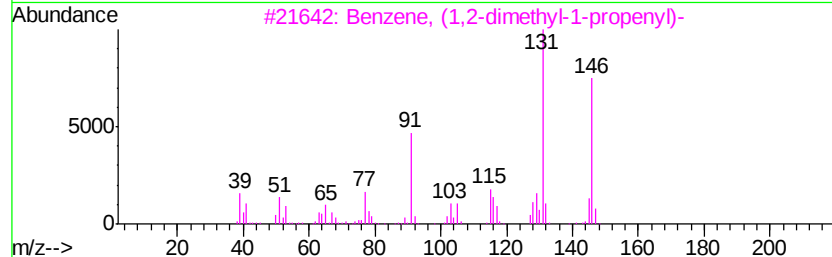
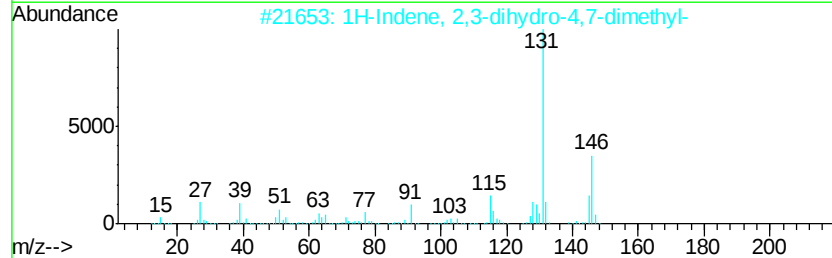
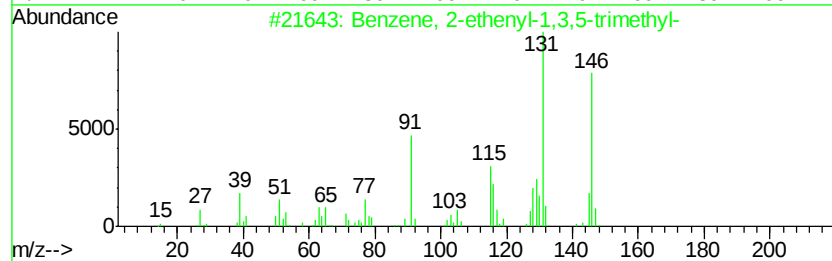
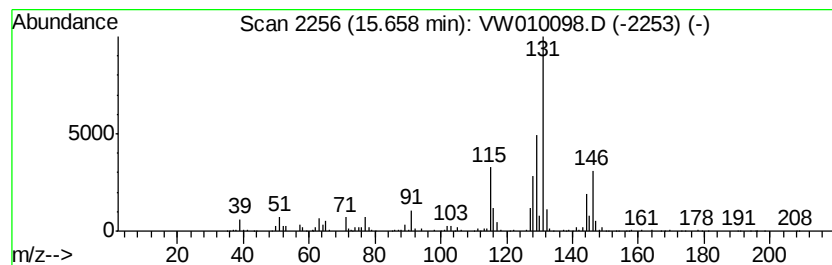
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 35 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	5.46 ug/L	673460	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	59
2		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	58
3		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	58
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	58
5		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

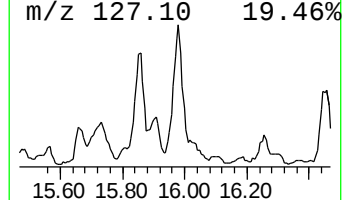
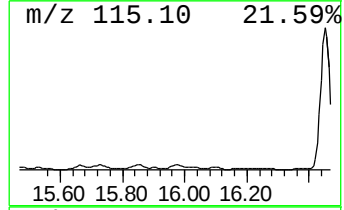
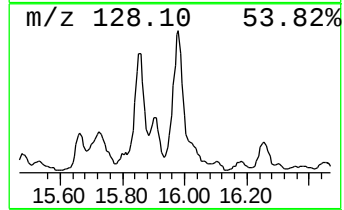
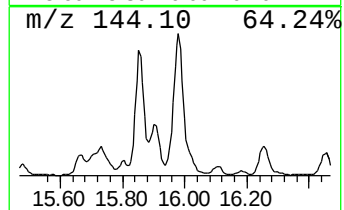
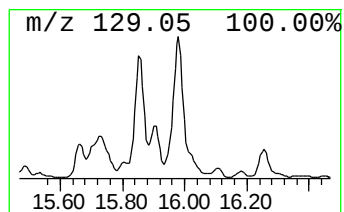
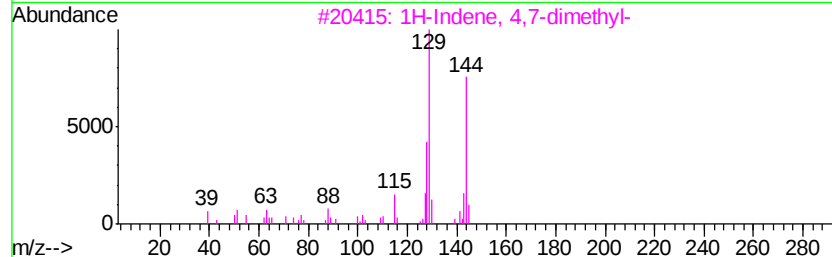
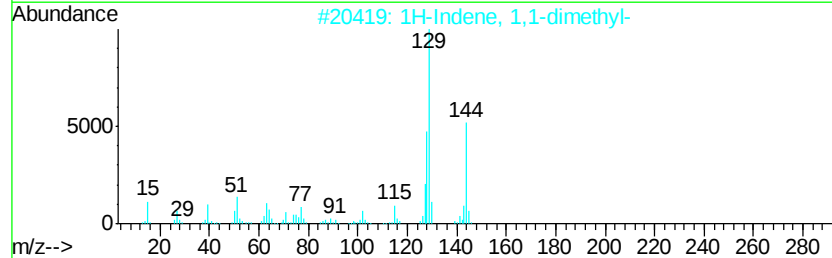
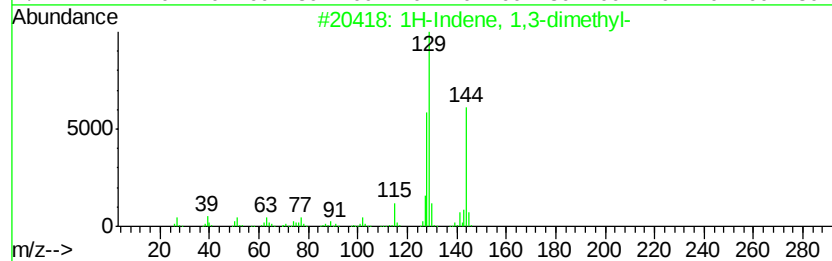
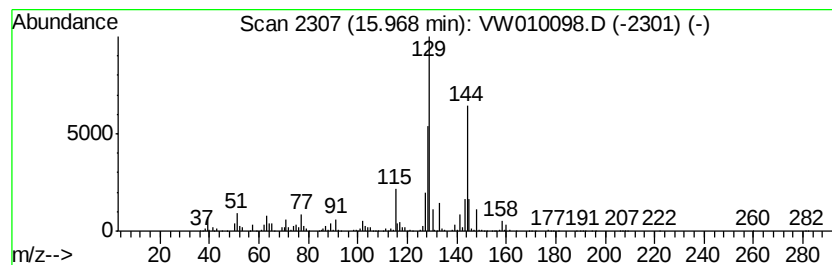
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Quant Title : VOC Analysis

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

Peak Number 36 1H-Indene, 1,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	15.31 ug/L	1886970	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	96
2		1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	94
3		1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	93
4		1H-Cyclopropa[bl]naphthalene, 1a,...	144	C11H12	006571-72-8	91
5		1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

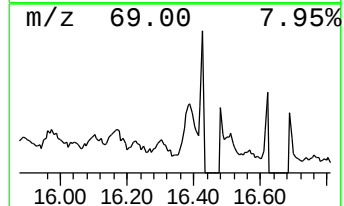
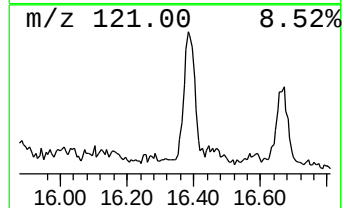
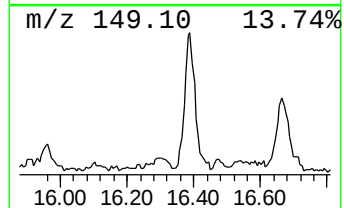
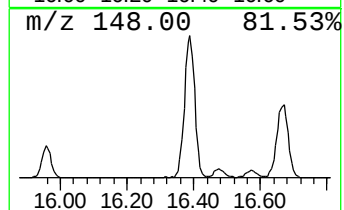
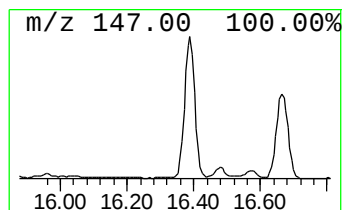
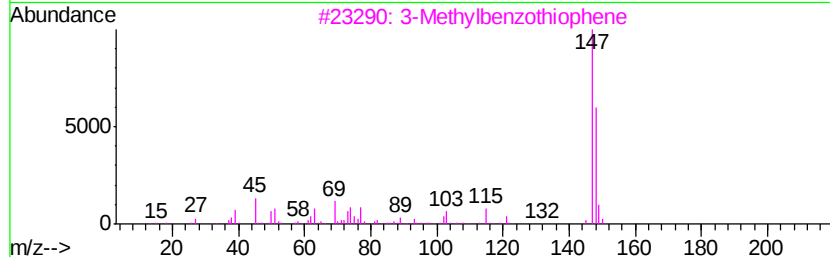
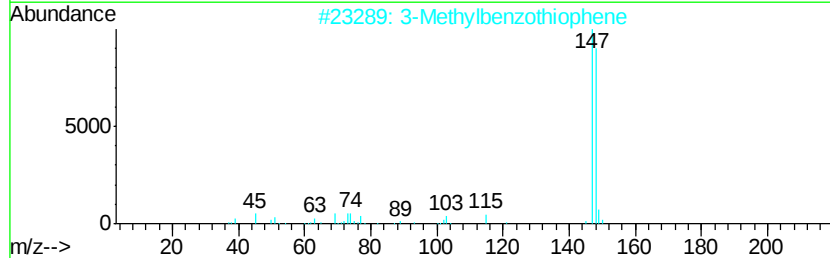
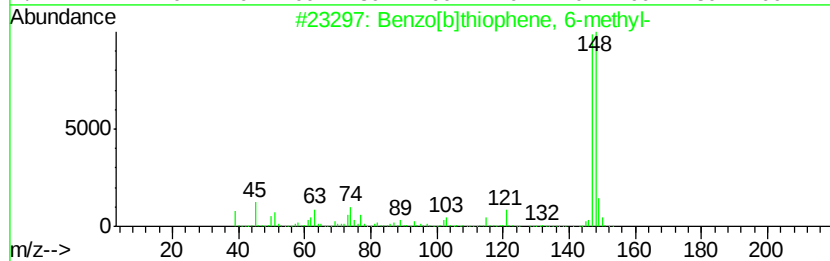
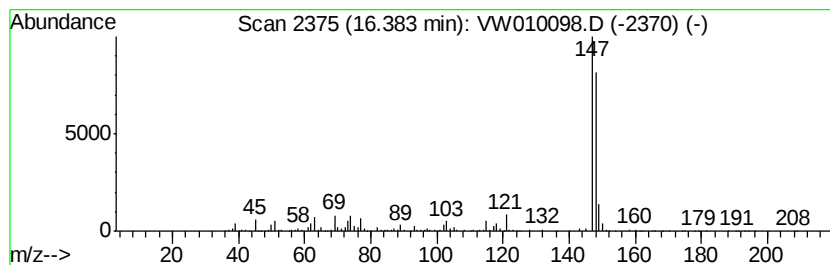
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Quant Title : VOC Analysis

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

Peak Number 37 Benzo[b]thiophene, 6-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	6.51 ug/L	802902	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	94
2			3-Methylbenzothiophene	148	C9H8S	001455-18-1	93
3			3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
4			Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
5			Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010098.D
Acq On : 23 Apr 2019 14:36
Operator : SY/VA
Sample : K2456-16
Misc : 5.03G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHN6

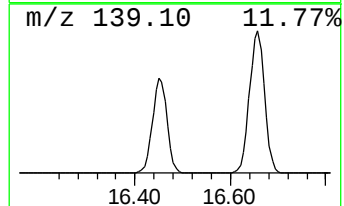
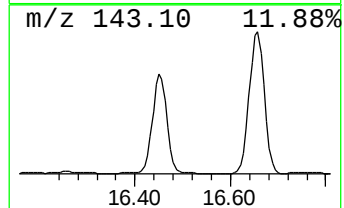
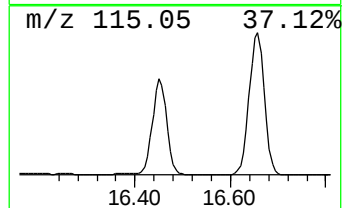
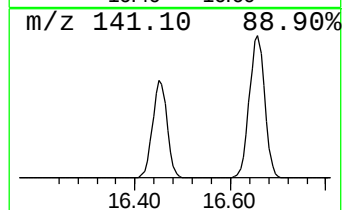
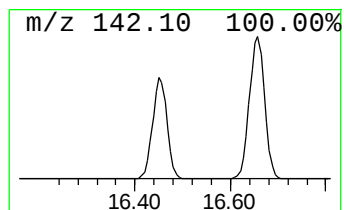
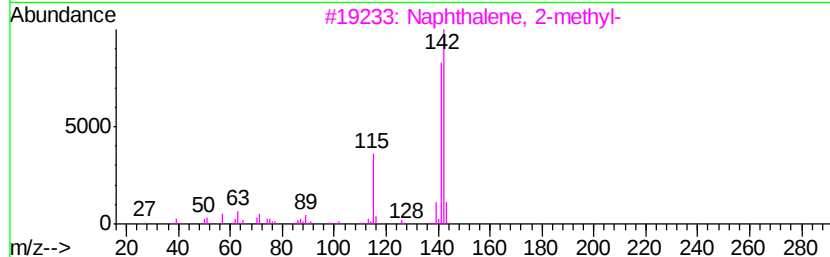
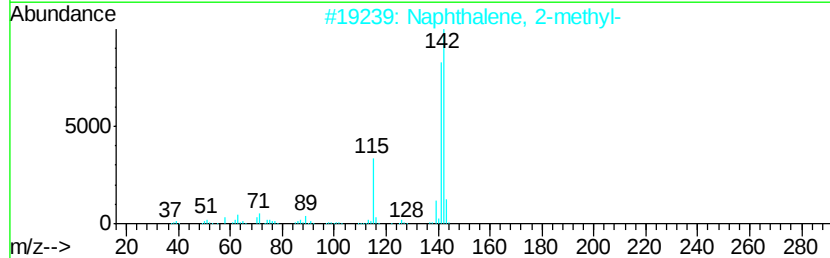
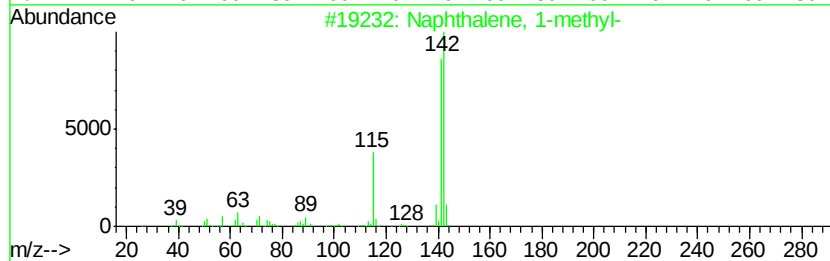
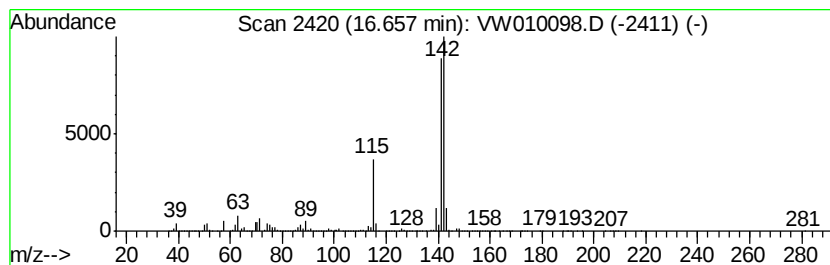
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 39 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	284.63 ug/L	35084000	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042319\
 Data File : VW010098.D
 Acq On : 23 Apr 2019 14:36
 Operator : SY/VA
 Sample : K2456-16
 Misc : 5.03G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHN6

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
unknown-01	2.17	1.3	ug/L	15922	1	8.84	303352	25.0
Benzene, 1-ethyl-...	12.87	2.6	ug/L	321403	3	13.56	3081530	25.0
Benzene, 1,2,3-tr...	12.94	9.9	ug/L	1222000	3	13.56	3081530	25.0
Benzene, 1-ethyl-...	13.11	4.2	ug/L	511673	3	13.56	3081530	25.0
Benzene, 1-etheny...	13.30	23.8	ug/L	2931450	3	13.56	3081530	25.0
Benzene, cyclopro...	13.35	5.2	ug/L	646333	3	13.56	3081530	25.0
Benzene, 1,2-diet...	13.72	4.5	ug/L	550084	3	13.56	3081530	25.0
Benzene, 2-ethyl-...	13.79	18.1	ug/L	2230010	3	13.56	3081530	25.0
Indene	13.94	17.0	ug/L	2096870	3	13.56	3081530	25.0
Benzene, 1-ethyl-...	14.04	27.5	ug/L	3385560	3	13.56	3081530	25.0
Benzene, 1-ethyl-...	14.10	12.2	ug/L	1506780	3	13.56	3081530	25.0
Benzene, 1-etheny...	14.15	14.9	ug/L	1835680	3	13.56	3081530	25.0
Benzene, 2-etheny...	14.29	14.8	ug/L	1818680	3	13.56	3081530	25.0
o-Cymene	14.34	6.4	ug/L	783506	3	13.56	3081530	25.0
Benzene, 1,2,3,4-...	14.43	31.7	ug/L	3911920	3	13.56	3081530	25.0
Benzene, 1,2,4,5-...	14.46	42.6	ug/L	5245920	3	13.56	3081530	25.0
2,4-Dimethylstyrene	14.51	14.2	ug/L	1753890	3	13.56	3081530	25.0
Benzene, 1-etheny...	14.56	29.8	ug/L	3666440	3	13.56	3081530	25.0
2-(p-Tolyl)ethyla...	14.65	2.1	ug/L	264194	3	13.56	3081530	25.0
(DEL) Alkane: Str...	14.73	7.0	ug/L	864272	3	13.56	3081530	25.0
Benzene, (1-methy...	14.88	30.3	ug/L	3732920	3	13.56	3081530	25.0
1H-Indene, 1-methyl-	14.96	118.9	ug/L	14651300	3	13.56	3081530	25.0
Benzene, 1,3-dime...	15.07	5.4	ug/L	667316	3	13.56	3081530	25.0
Benzene, (1-methy...	15.18	12.7	ug/L	1570220	3	13.56	3081530	25.0
unknown-02	15.32	8.4	ug/L	1031690	3	13.56	3081530	25.0
unknown-03	15.48	3.7	ug/L	451054	3	13.56	3081530	25.0
(DEL) Alkane: Str...	15.56	10.5	ug/L	1297660	3	13.56	3081530	25.0
Benzene, 2-etheny...	15.66	5.5	ug/L	673460	3	13.56	3081530	25.0
1H-Indene, 1,3-di...	15.97	15.3	ug/L	1886970	3	13.56	3081530	25.0
Benzo[b]thiophene...	16.38	6.5	ug/L	802902	3	13.56	3081530	25.0
Naphthalene, 1-me...	16.66	284.6	ug/L	35084000	3	13.56	3081530	25.0