

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042319\
 Data File : VW010096.D
 Acq On : 23 Apr 2019 12:42
 Operator : SY/VA
 Sample : K2455-03RE
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHQ5RE

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	2.349	69	73	79	rBV	36371	58680	0.07%	0.028%
2	2.892	157	162	172	rVB3	26208	66306	0.08%	0.032%
3	3.843	316	318	320	rBV3	1546	1226	0.00%	0.001%
4	4.001	335	344	355	rBV	82495	217244	0.27%	0.104%
5	4.129	359	365	368	rBV4	2304	5165	0.01%	0.002%
6	4.239	381	383	385	rVB3	1195	753	0.00%	0.000%
7	4.361	401	403	404	rVV2	1163	910	0.00%	0.000%
8	4.404	404	410	415	rVV4	3385	8164	0.01%	0.004%
9	4.471	418	421	424	rBV4	966	1087	0.00%	0.001%
10	4.513	426	428	430	rVB3	865	934	0.00%	0.000%
11	4.812	473	477	479	rBV4	1003	1190	0.00%	0.001%
12	4.910	484	493	503	rVV3	16271	51509	0.06%	0.025%
13	5.202	540	541	545	rVB2	826	839	0.00%	0.000%
14	5.263	547	551	553	rVV4	579	862	0.00%	0.000%
15	5.361	566	567	570	rBV2	1087	930	0.00%	0.000%
16	5.531	592	595	597	rBV3	948	1073	0.00%	0.001%
17	5.592	602	605	608	rVB3	792	892	0.00%	0.000%
18	5.623	608	610	614	rBV4	738	1210	0.00%	0.001%
19	5.672	616	618	620	rBV2	670	742	0.00%	0.000%
20	5.818	641	642	645	rVV2	1013	791	0.00%	0.000%
21	5.934	651	661	669	rVV6	4666	13584	0.02%	0.007%
22	6.025	673	676	679	rVB4	992	1227	0.00%	0.001%
23	6.104	683	689	690	rBV3	799	1333	0.00%	0.001%
24	6.336	725	727	730	rVB2	860	900	0.00%	0.000%
25	6.385	733	735	740	rBV2	1060	1388	0.00%	0.001%
26	6.501	751	754	756	rVB3	817	867	0.00%	0.000%
27	6.525	756	758	762	rVB4	604	822	0.00%	0.000%
28	6.659	778	780	784	rBV2	1080	1177	0.00%	0.001%
29	6.738	791	793	797	rVB4	641	869	0.00%	0.000%
30	6.848	808	811	813	rVB3	931	965	0.00%	0.000%
31	6.879	813	816	817	rBV	899	749	0.00%	0.000%
32	6.897	817	819	823	rBV4	873	1276	0.00%	0.001%
33	6.958	826	829	831	rBV4	1047	1338	0.00%	0.001%
34	7.086	838	850	859	rBV2	18589	59529	0.07%	0.029%

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Integration Parameters: LSCINT.P

Integrator: RTE
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 Title : VOC Analysis

35	7.287	880	883	887	rVB4	1136	1351	0.00%	0.001%
36	7.324	887	889	892	rVB3	962	849	0.00%	0.000%
37	7.360	892	895	897	rBV3	699	864	0.00%	0.000%
38	7.513	917	920	921	rBV2	1116	941	0.00%	0.000%
39	7.549	923	926	931	rVB5	1181	1922	0.00%	0.001%
40	7.647	931	942	953	rBV	114063	273931	0.34%	0.131%
41	7.775	961	963	968	rVB5	646	990	0.00%	0.000%
42	7.878	979	980	982	rBV2	1356	734	0.00%	0.000%
43	7.933	985	989	990	rBV3	898	886	0.00%	0.000%
44	7.958	992	993	995	rVB2	1802	946	0.00%	0.000%
45	8.000	995	1000	1001	rBV4	1363	1899	0.00%	0.001%
46	8.031	1004	1005	1009	rBV4	880	961	0.00%	0.000%
47	8.147	1020	1024	1025	rVV3	1155	919	0.00%	0.000%
48	8.275	1034	1045	1061	rBV2	209508	633516	0.78%	0.304%
49	8.842	1130	1138	1147	rBV	220431	443846	0.55%	0.213%
50	8.933	1151	1153	1156	rVB3	2385	2045	0.00%	0.001%
51	9.275	1202	1209	1217	rVB	154433	307269	0.38%	0.147%
52	9.366	1223	1224	1226	rBV2	2016	1371	0.00%	0.001%
53	10.037	1327	1334	1342	rBV	75874	142530	0.18%	0.068%
54	10.323	1374	1381	1388	rBV	276265	496835	0.61%	0.238%
55	10.384	1388	1391	1395	rVB3	9605	15866	0.02%	0.008%
56	10.579	1418	1423	1433	rVB	51029	91455	0.11%	0.044%
57	10.927	1475	1480	1489	rVB	75610	129424	0.16%	0.062%
58	11.634	1591	1596	1603	rVB	308960	507179	0.63%	0.243%
59	11.835	1625	1629	1639	rVB2	106770	201274	0.25%	0.097%
60	12.177	1678	1685	1694	rBV3	239291	494319	0.61%	0.237%
61	12.445	1717	1729	1763	rVB	463834	3497363	4.33%	1.678%
62	12.695	1765	1770	1775	rVB2	105051	168217	0.21%	0.081%
63	12.878	1784	1800	1802	rBV5	1335707	3635297	4.50%	1.744%
64	13.115	1833	1839	1849	rVB3	307749	632030	0.78%	0.303%
65	13.256	1852	1862	1866	rBV	2489691	4242566	5.25%	2.036%
66	13.304	1866	1870	1874	rVV	3419429	5907165	7.31%	2.835%
67	13.353	1875	1878	1889	rVB2	1845199	3600985	4.46%	1.728%
68	13.475	1890	1898	1908	rVB4	438262	1738107	2.15%	0.834%
69	13.591	1908	1917	1921	rBV2	1093263	2070827	2.56%	0.994%
70	13.627	1921	1923	1931	rVB	478305	640189	0.79%	0.307%
71	13.719	1933	1938	1939	rBV2	179663	242854	0.30%	0.117%

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Integration Parameters: LSCINT.P

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72	13.762	1940	1945	1948	rBV2	558455	892339	1.10%	0.428%
73	13.859	1956	1961	1968	rBV4	205032	458507	0.57%	0.220%
74	13.944	1968	1975	1983	rBV	7155302	12052674	14.92%	5.784%
75	14.012	1983	1986	1988	rBV	150650	186446	0.23%	0.089%
76	14.097	1997	2000	2004	rVB	389114	561759	0.70%	0.270%
77	14.146	2004	2008	2014	rVB	455759	867340	1.07%	0.416%
78	14.237	2014	2023	2028	rBV	1792494	2832778	3.51%	1.359%
79	14.292	2028	2032	2036	rVB	319371	444527	0.55%	0.213%
80	14.341	2037	2040	2045	rVB	184653	275005	0.34%	0.132%
81	14.426	2045	2054	2056	rBV	555080	934892	1.16%	0.449%
82	14.463	2056	2060	2065	rVV3	1112345	1859503	2.30%	0.892%
83	14.511	2065	2068	2071	rVV2	301624	524571	0.65%	0.252%
84	14.560	2071	2076	2082	rVB2	1222894	2050685	2.54%	0.984%
85	14.694	2093	2098	2101	rBV	382437	611889	0.76%	0.294%
86	14.731	2102	2104	2109	rVB2	244959	298709	0.37%	0.143%
87	14.798	2109	2115	2122	rBV3	1108297	2313955	2.86%	1.110%
88	14.877	2122	2128	2135	rVB	2478112	3920305	4.85%	1.881%
89	14.963	2135	2142	2149	rVB	3409712	5826758	7.21%	2.796%
90	15.060	2153	2158	2163	rBV2	289161	556018	0.69%	0.267%
91	15.182	2173	2178	2185	rBV4	162240	415489	0.51%	0.199%
92	15.377	2202	2210	2220	rVB2	41363234	80801208	100.00%	38.774%
93	15.475	2221	2226	2232	rVB2	452988	799505	0.99%	0.384%
94	15.560	2237	2240	2249	rVB	140380	237918	0.29%	0.114%
95	15.664	2252	2257	2261	rBV2	115344	225202	0.28%	0.108%
96	15.975	2301	2308	2314	rBV3	159827	417717	0.52%	0.200%
97	16.389	2369	2376	2378	rBV2	141528	298793	0.37%	0.143%
98	16.450	2378	2386	2400	rVV	19110332	40999229	50.74%	19.674%
99	16.572	2401	2406	2410	rVV	62469	133292	0.16%	0.064%
100	16.651	2411	2419	2431	rVB	7119969	15954798	19.75%	7.656%

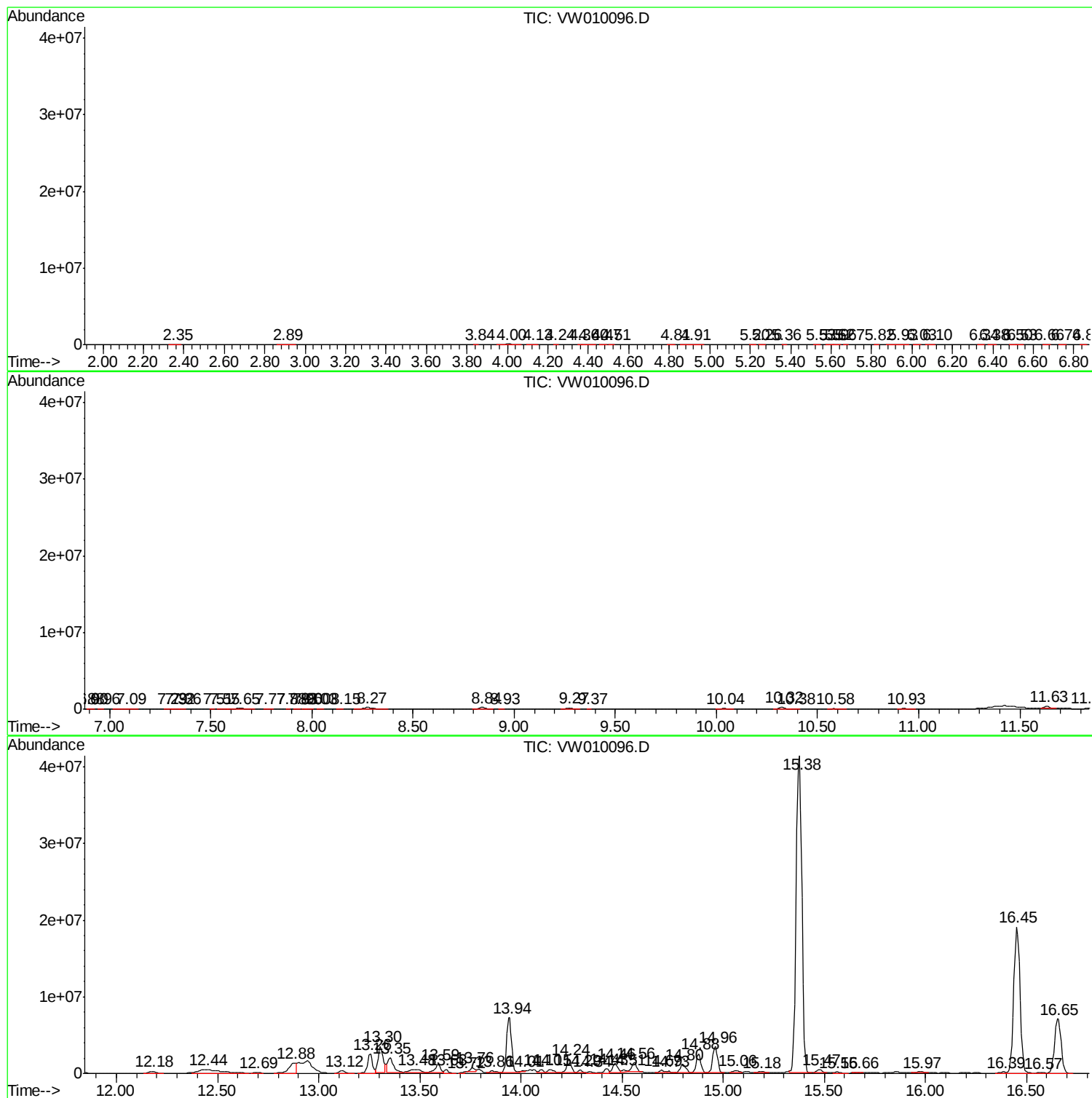
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Instrument :
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ClientSampleId :
GAHQ5RE

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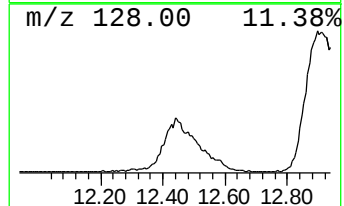
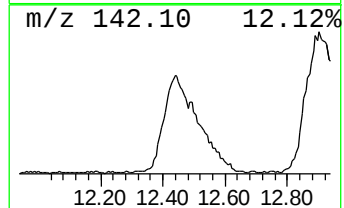
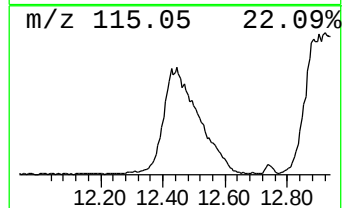
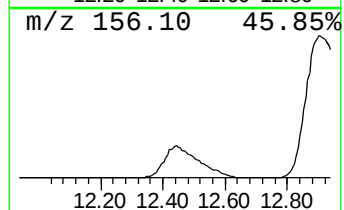
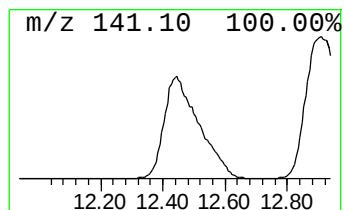
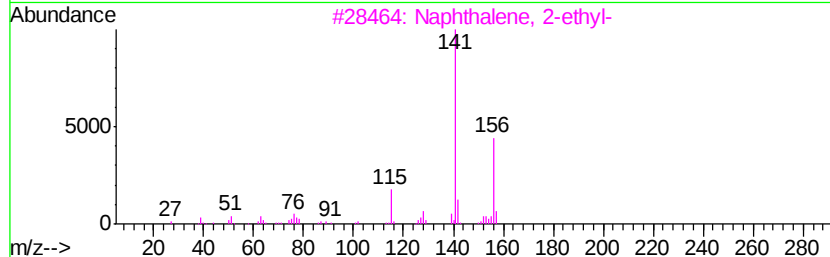
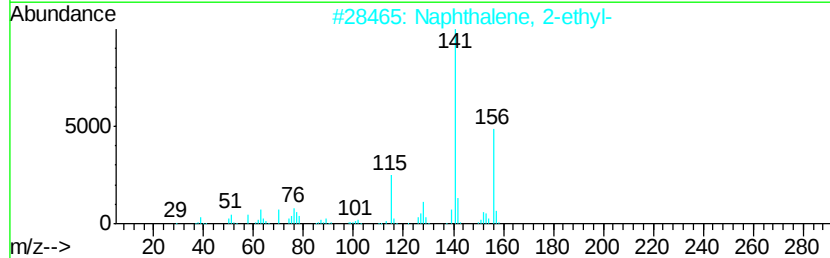
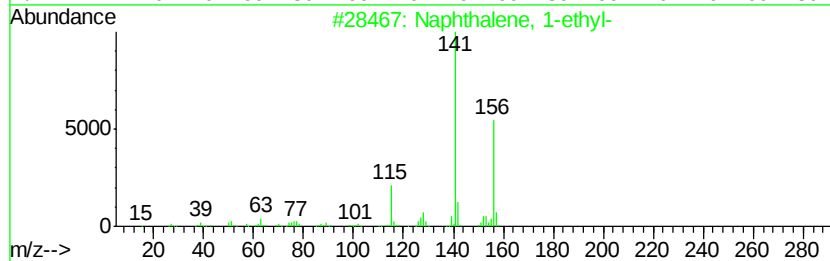
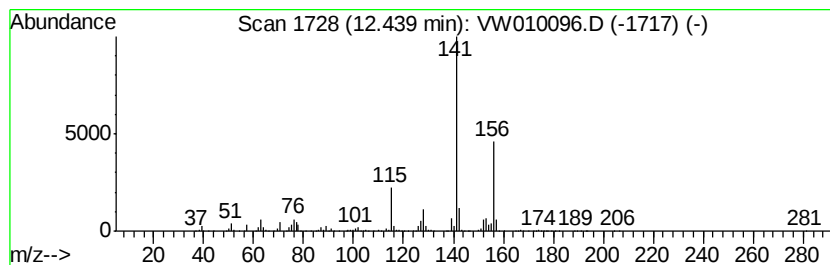
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	172.39 ug/L	3497360	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
4		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93



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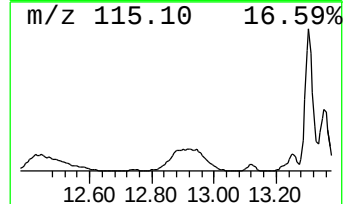
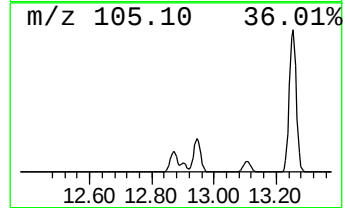
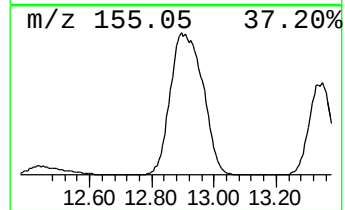
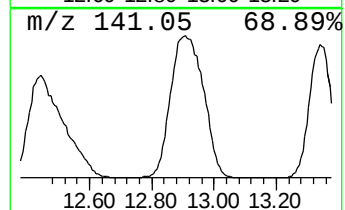
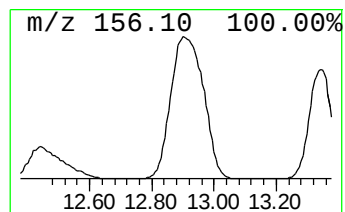
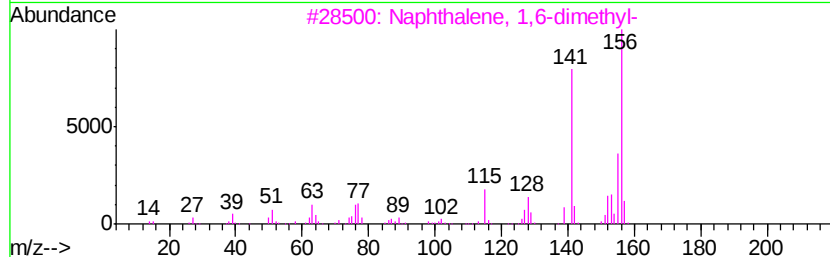
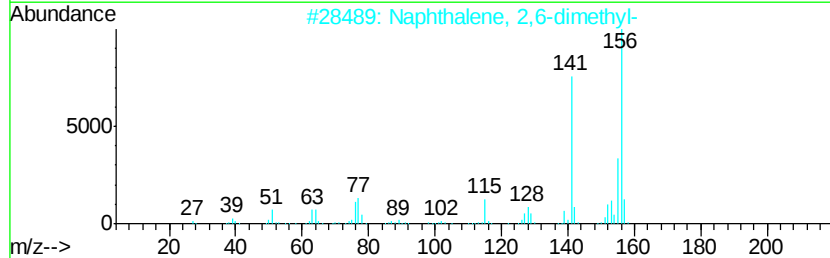
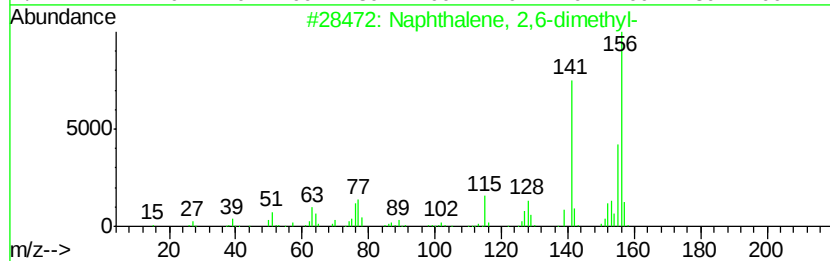
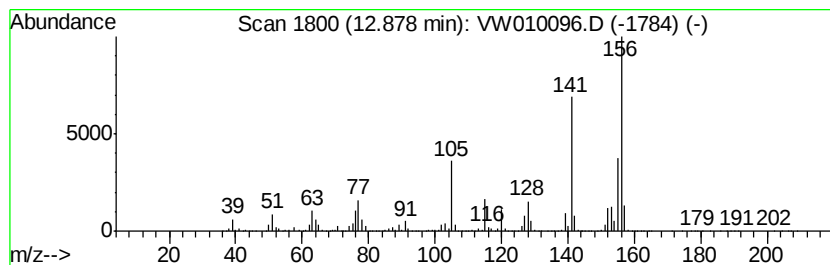
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Quant Title : VOC Analysis

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

Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	43.89 ug/L	3635300	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 98
2		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 98
3		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 98
4		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97
5		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97



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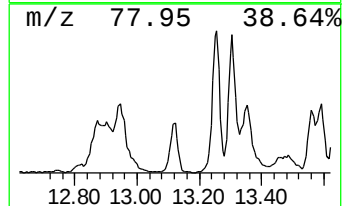
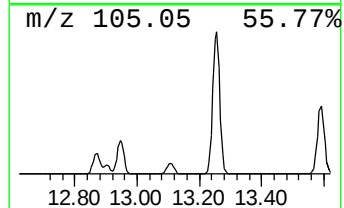
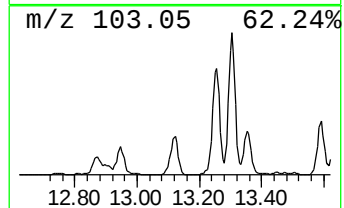
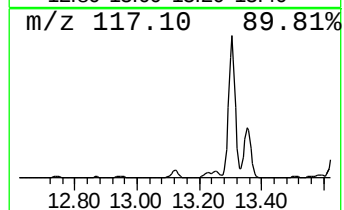
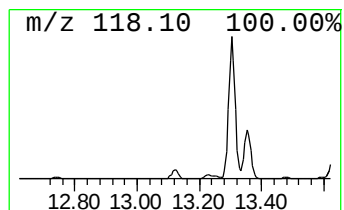
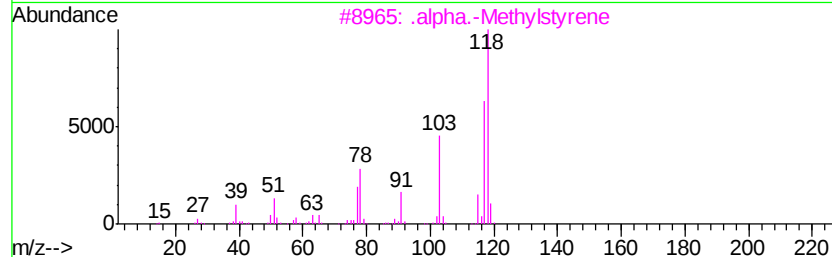
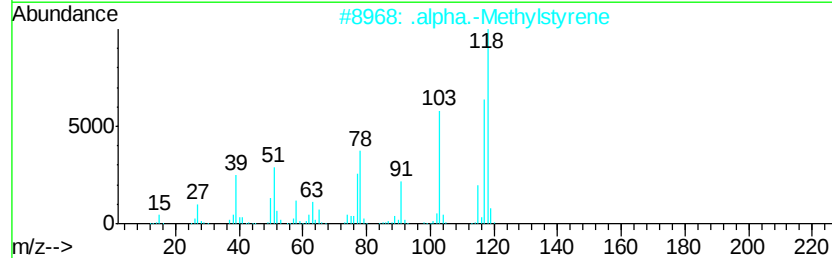
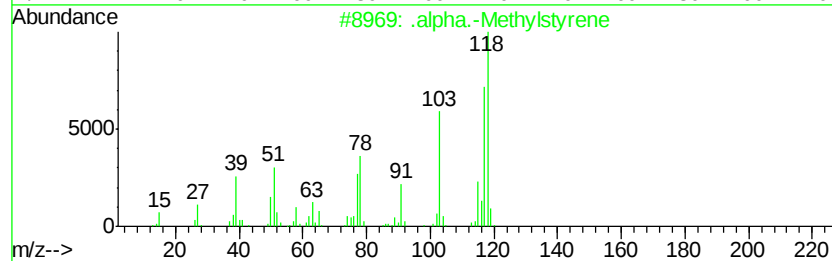
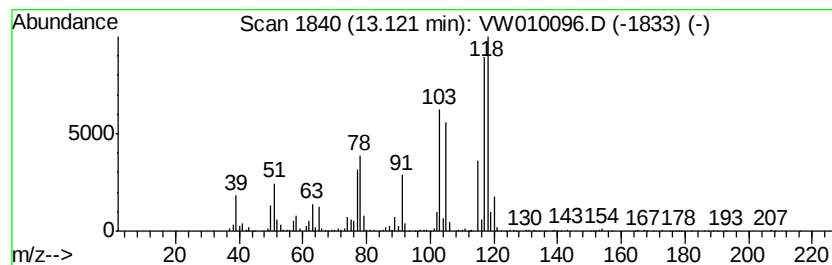
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Quant Title : VOC Analysis

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

Peak Number 4 .alpha.-Methylstyrene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	7.63 ug/L	632030	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.alpha.-Methylstyrene	118	C9H10	000098-83-9	89
2		.alpha.-Methylstyrene	118	C9H10	000098-83-9	76
3		.alpha.-Methylstyrene	118	C9H10	000098-83-9	64
4		Benzene, 1-propenyl-	118	C9H10	000637-50-3	50
5		Benzene, 2-propenyl-	118	C9H10	000300-57-2	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ5RE

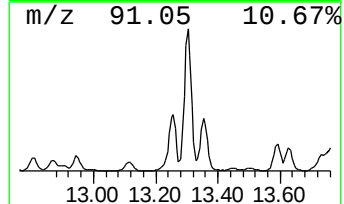
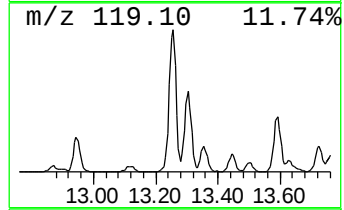
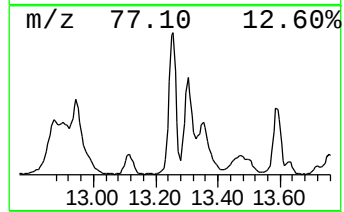
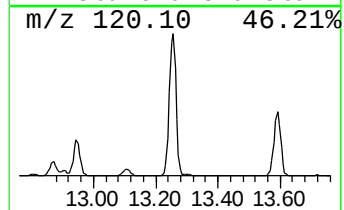
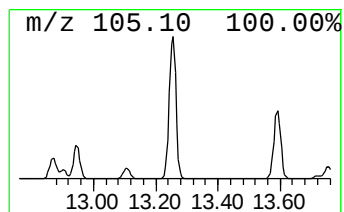
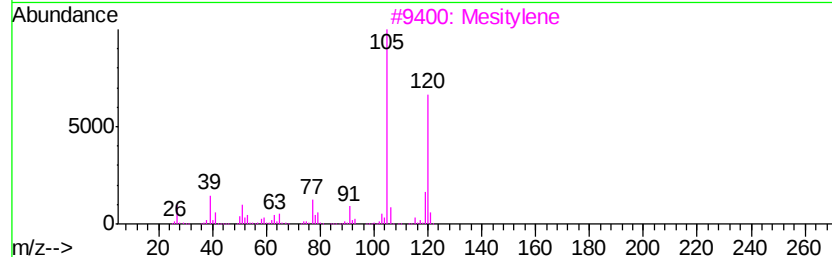
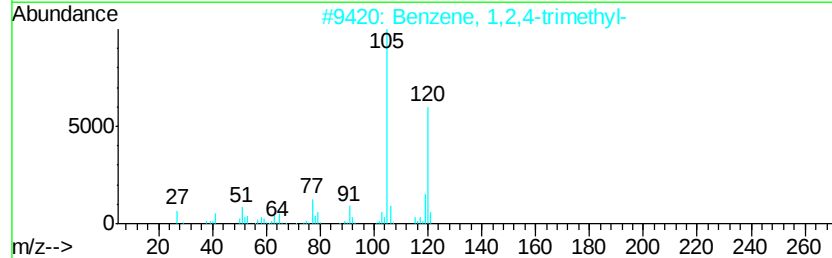
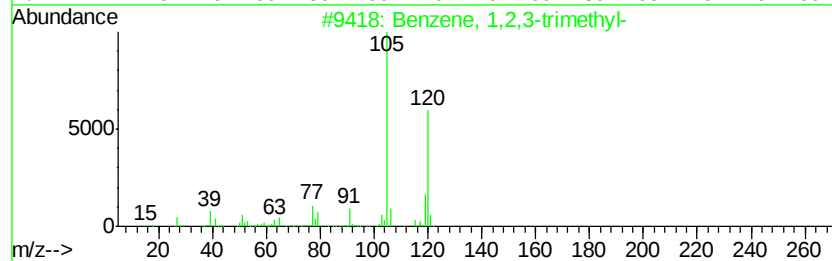
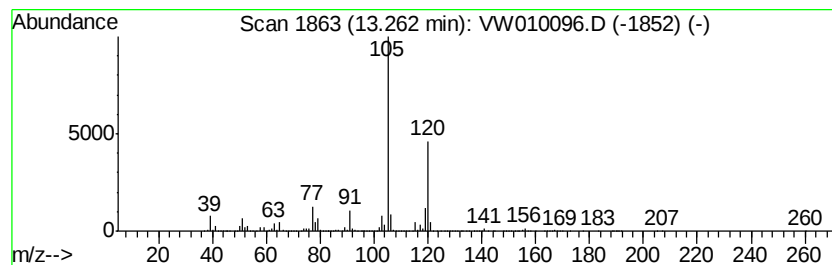
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Quant Title : VOC Analysis

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

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	51.22 ug/L	4242570	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		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3		Mesitylene	120	C9H12	000108-67-8	94
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ5RE

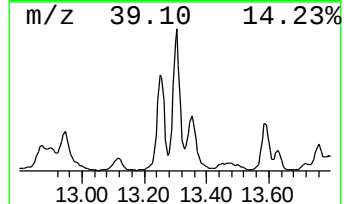
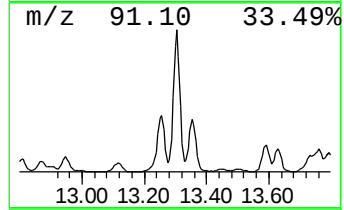
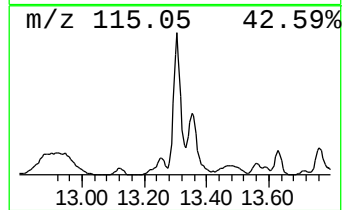
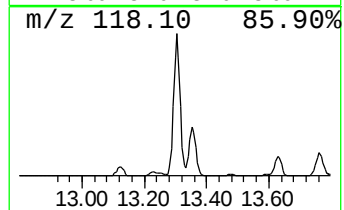
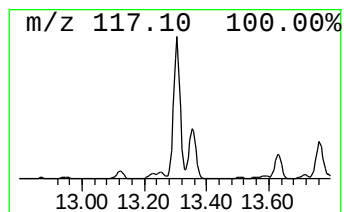
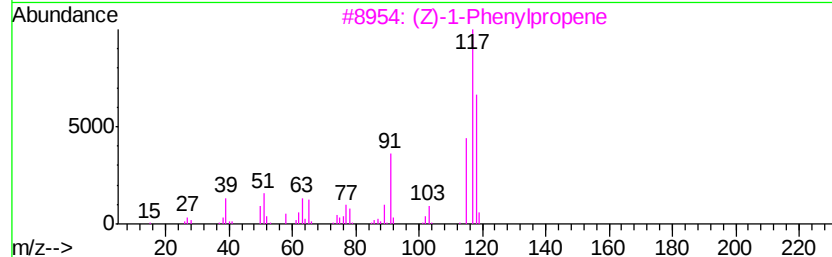
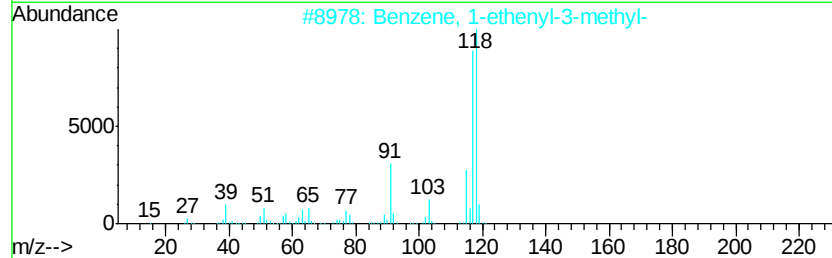
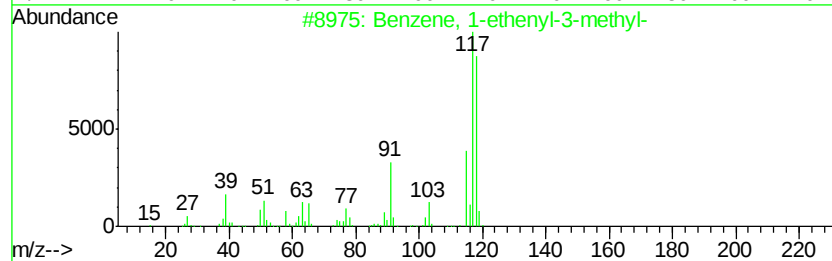
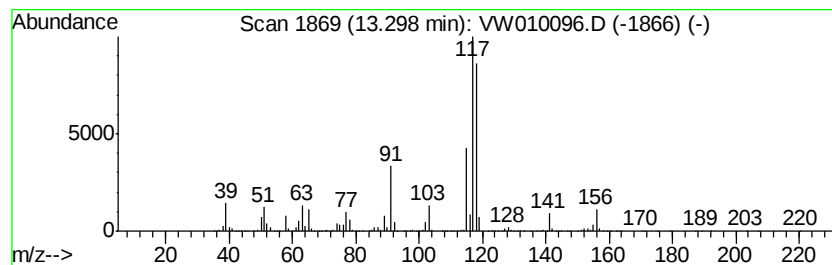
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Quant Title : VOC Analysis

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

Peak Number 6 Benzene, 1-ethenyl-3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	71.31 ug/L	5907170	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-3-methyl-	118	C9H10	000100-80-1	95
3		(Z)-1-Phenylpropene	118	C9H10	000766-90-5	94
4		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
5		Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	92



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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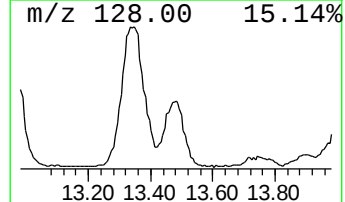
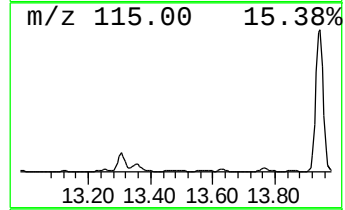
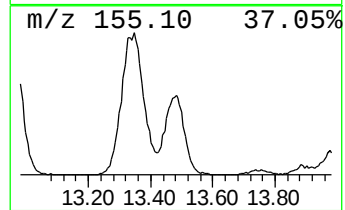
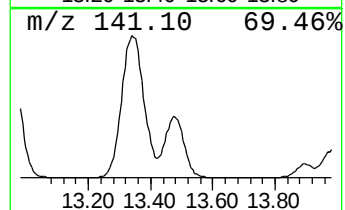
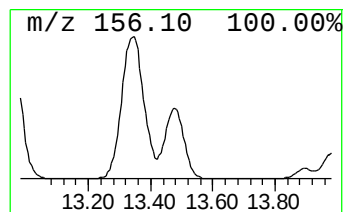
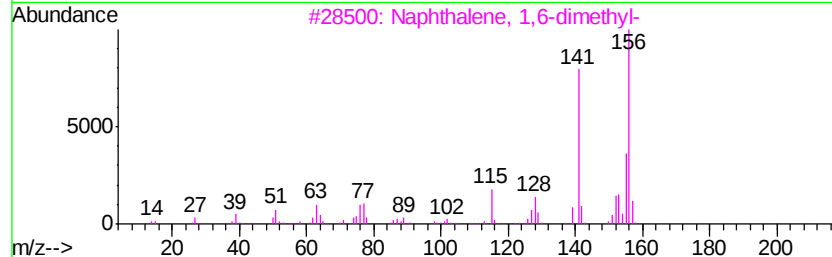
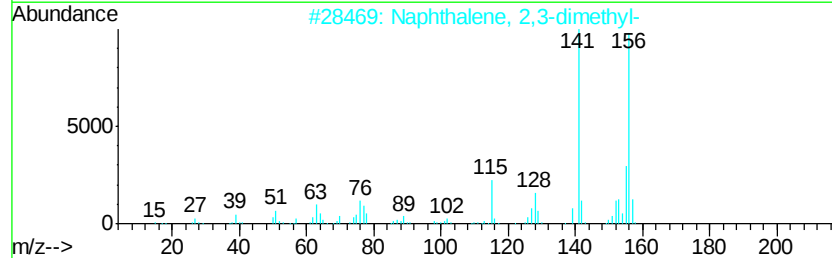
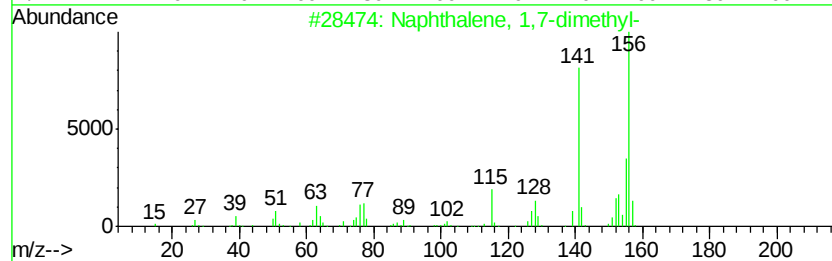
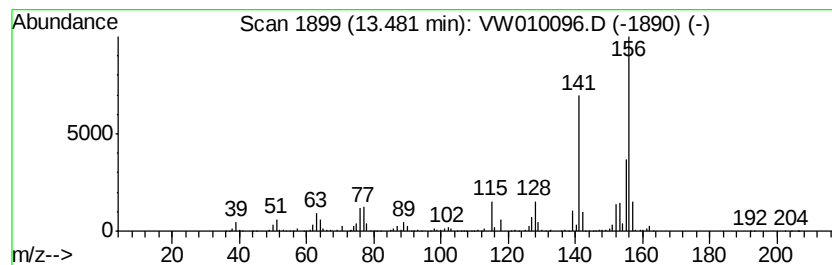
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Quant Title : VOC Analysis

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

Peak Number 8 Naphthalene, 1,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	20.98 ug/L	1738110	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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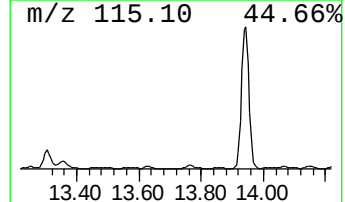
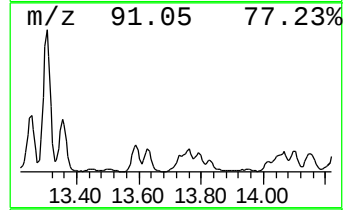
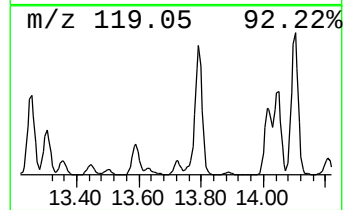
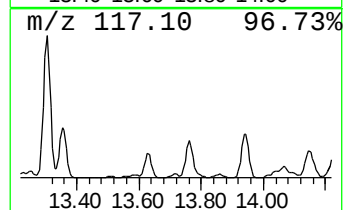
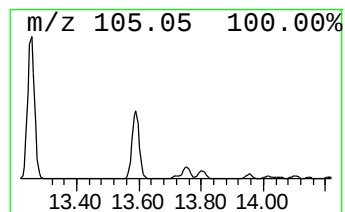
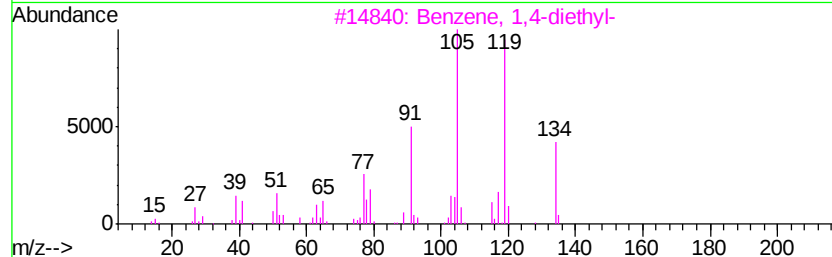
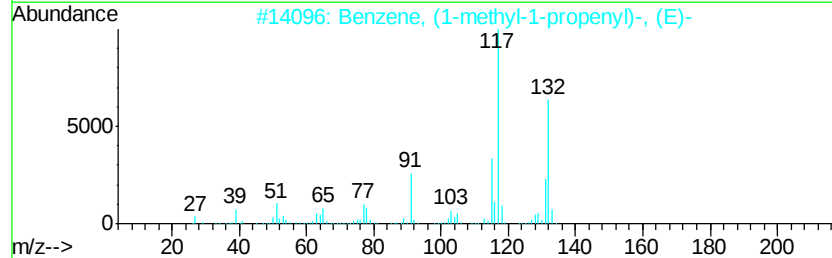
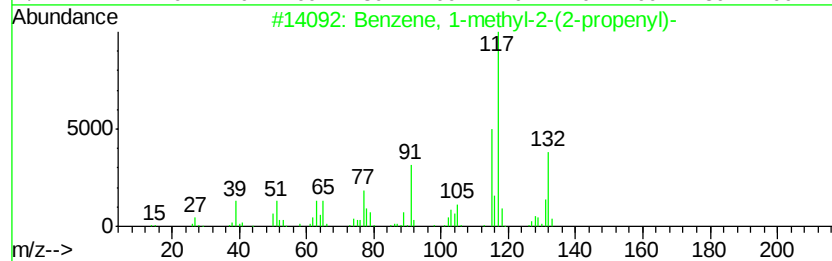
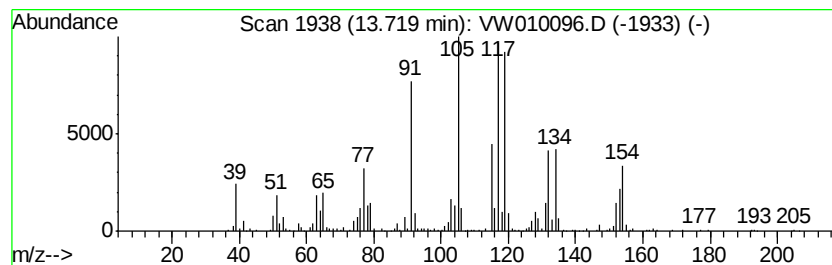
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Quant Title : VOC Analysis

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

Peak Number 10 Benzene, 1-methyl-2-(2-prop... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	2.93 ug/L	242854	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
2		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	81
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	46
5		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
 Data File : VW010096.D
 Acq On : 23 Apr 2019 12:42
 Operator : SY/VA
 Sample : K2455-03RE
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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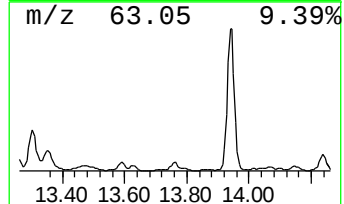
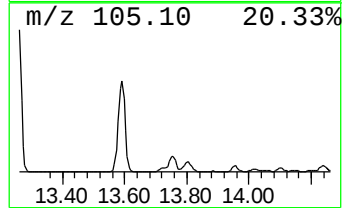
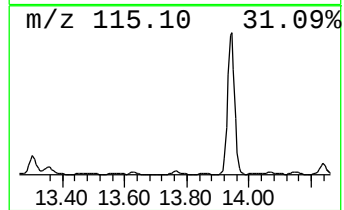
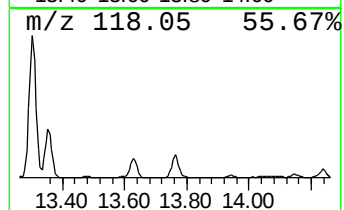
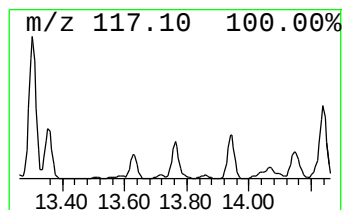
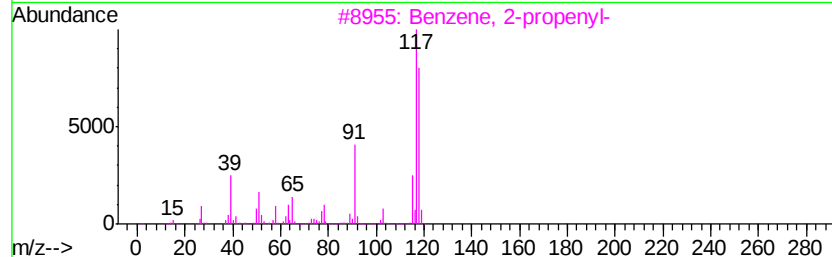
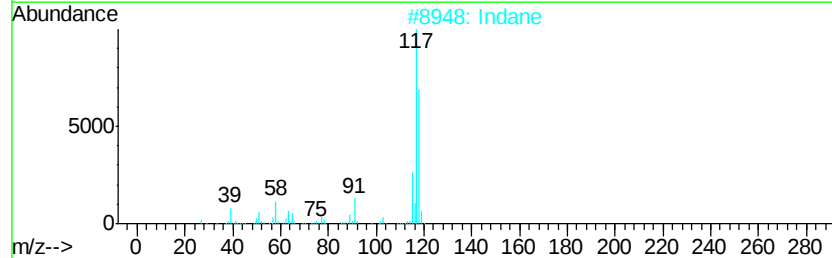
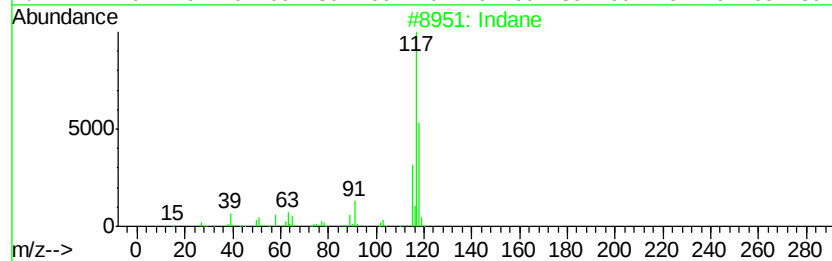
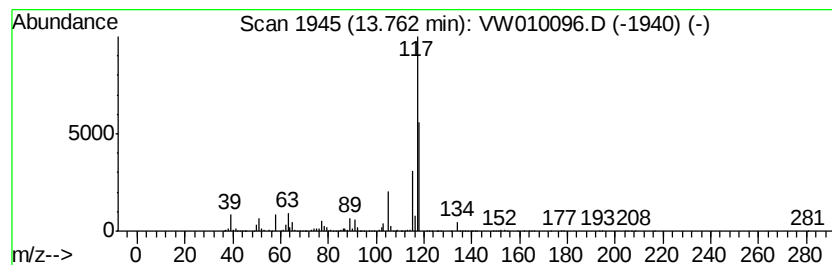
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 Quant Title : VOC Analysis

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

 Peak Number 11 Indane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	10.77 ug/L	892339	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indane	118	C9H10	000496-11-7	68
2		Indane	118	C9H10	000496-11-7	62
3		Benzene, 2-propenyl-	118	C9H10	000300-57-2	59
4		Benzene, 1-propenyl-	118	C9H10	000637-50-3	58
5		Indane	118	C9H10	000496-11-7	55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ5RE

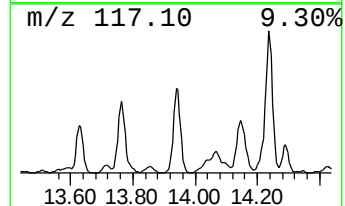
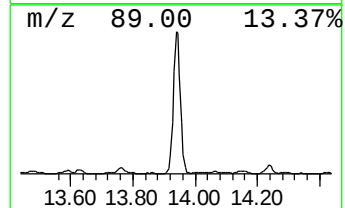
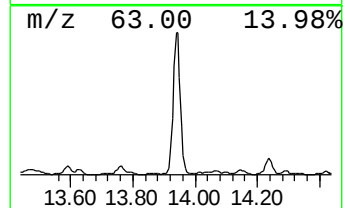
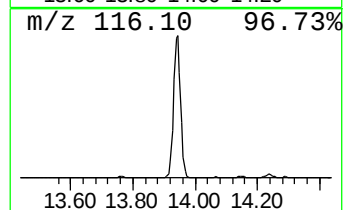
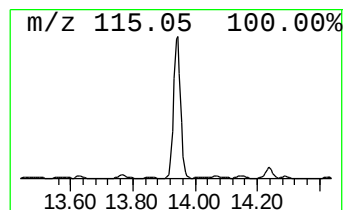
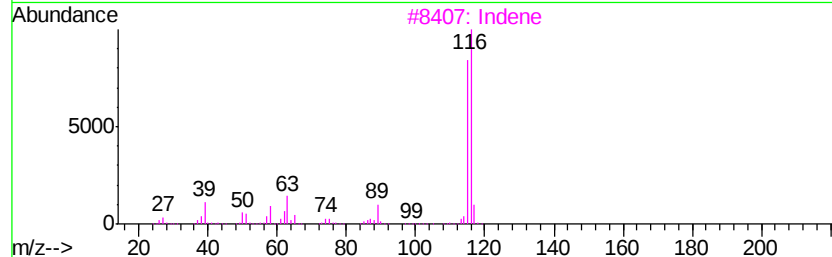
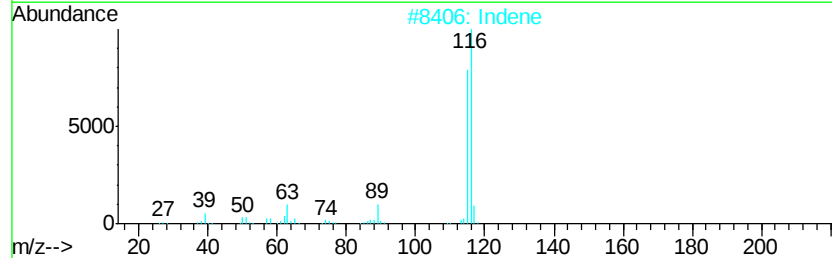
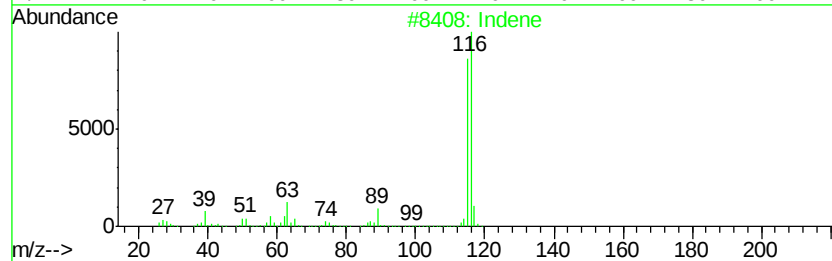
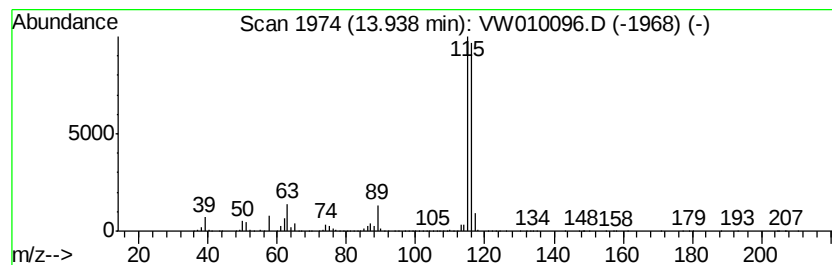
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Quant Title : VOC Analysis

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

Peak Number 12 Indene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	145.51 ug/L	12052700	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indene	116	C9H8	000095-13-6	97
2		Indene	116	C9H8	000095-13-6	97
3		Indene	116	C9H8	000095-13-6	96
4		Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5		3-Methylphenylacetylene	116	C9H8	000766-82-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ5RE

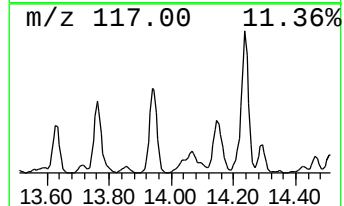
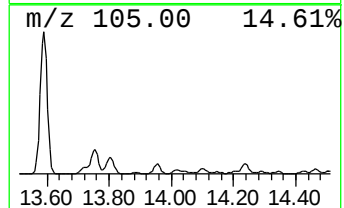
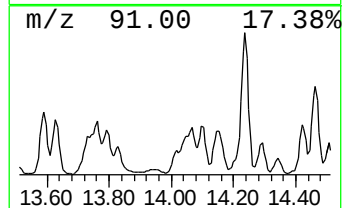
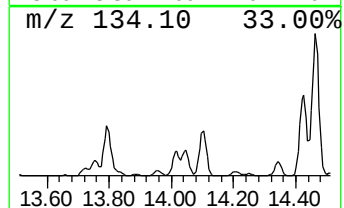
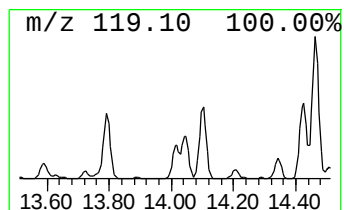
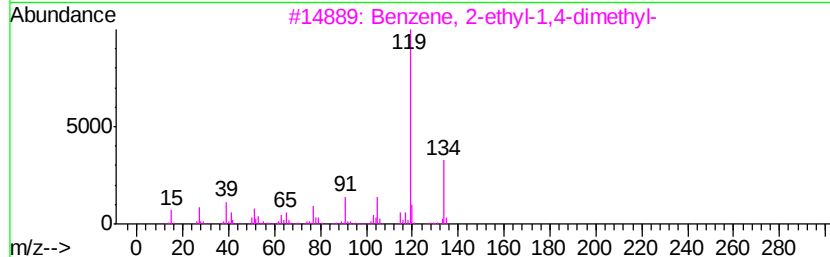
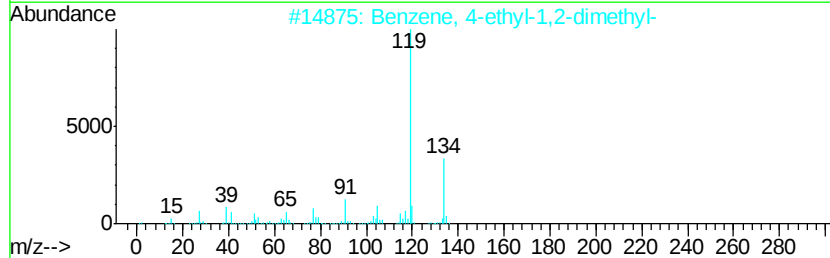
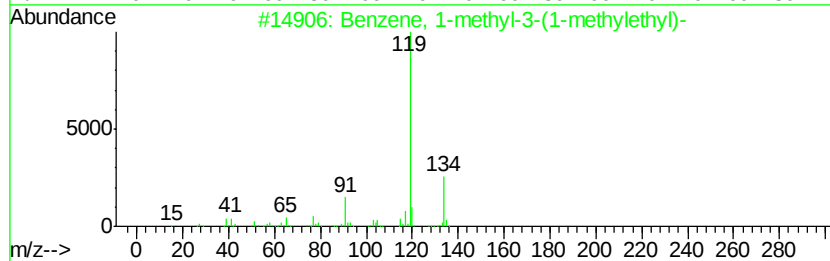
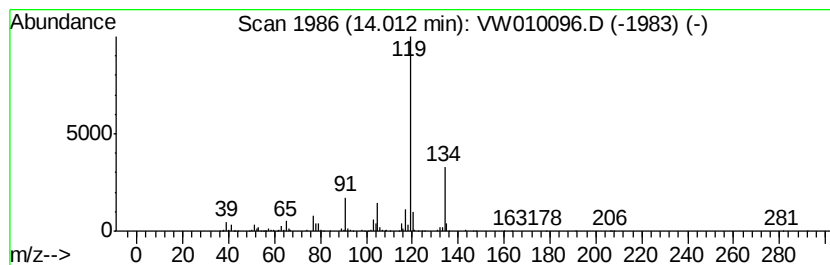
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Quant Title : VOC Analysis

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

Peak Number 13 Benzene, 1-methyl-3-(1-meth... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	2.25 ug/L	186446	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
2		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	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 : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ5RE

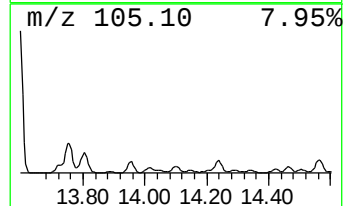
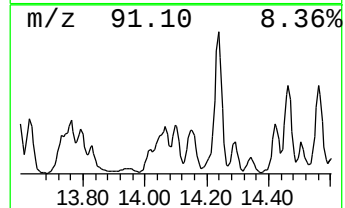
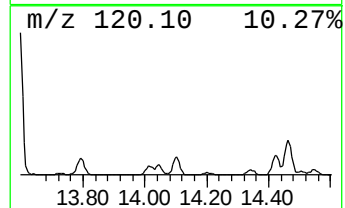
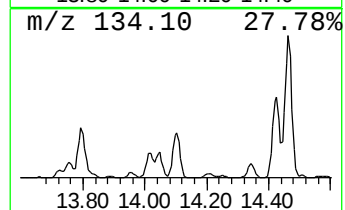
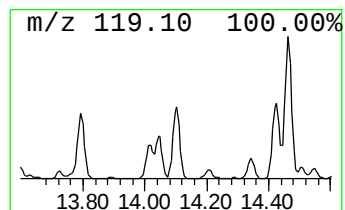
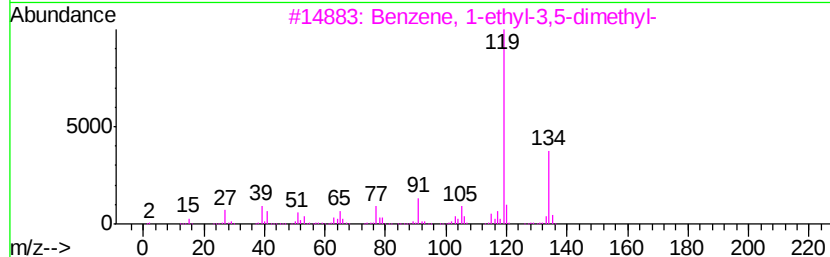
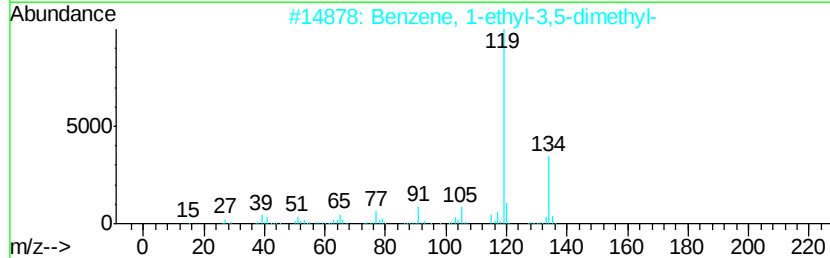
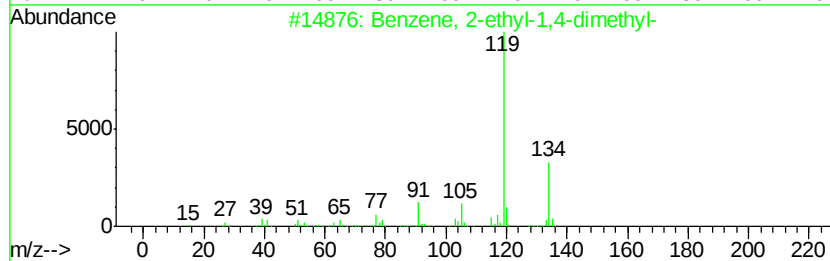
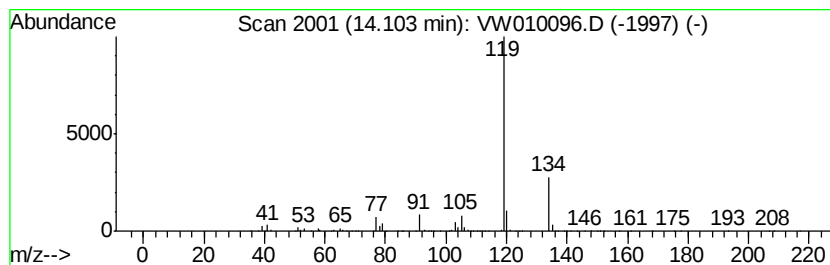
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Quant Title : VOC Analysis

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

Peak Number 14 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	6.78 ug/L	561759	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, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	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 : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ5RE

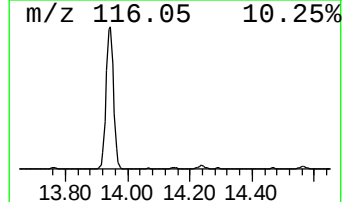
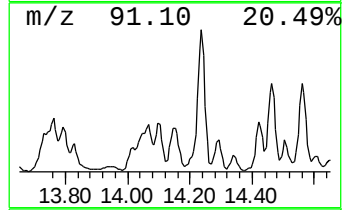
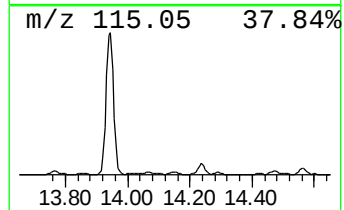
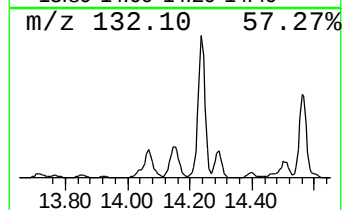
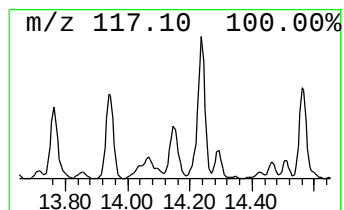
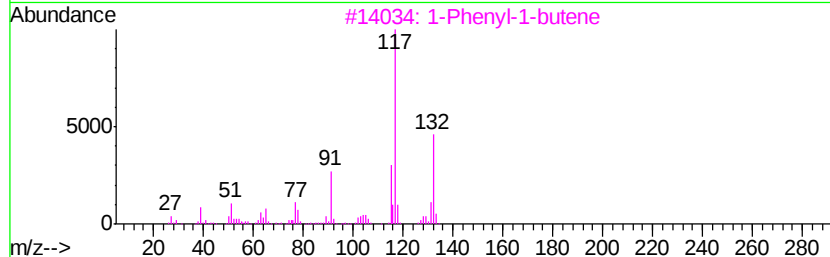
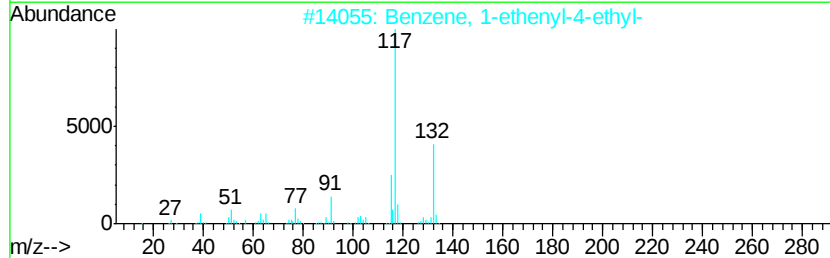
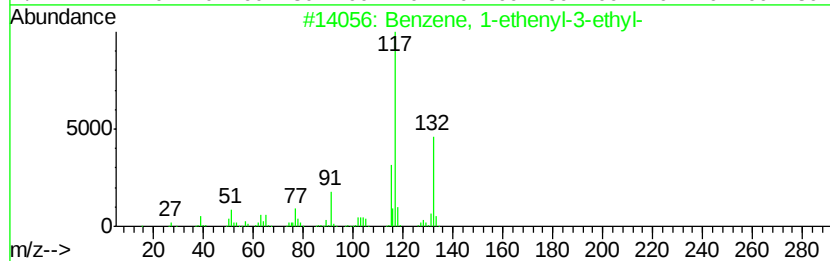
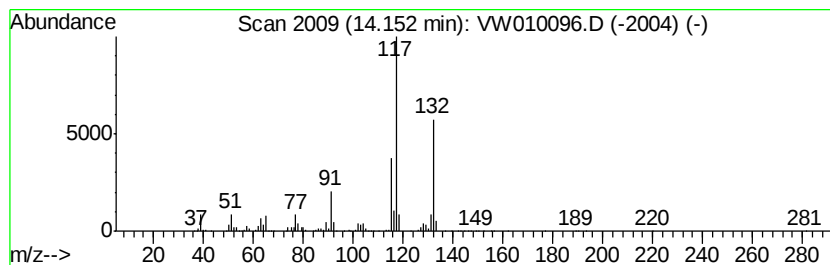
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Quant Title : VOC Analysis

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

Peak Number 15 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	10.47 ug/L	867340	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	96
2		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	95
3		1-Phenyl-1-butene	132	C10H12	000824-90-8	94
4		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	91
5		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ5RE

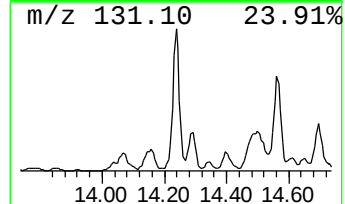
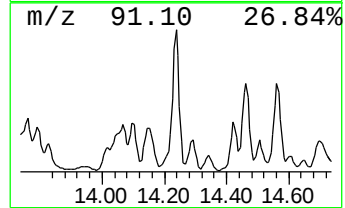
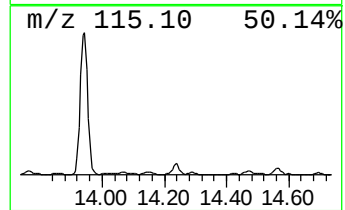
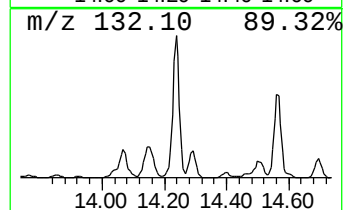
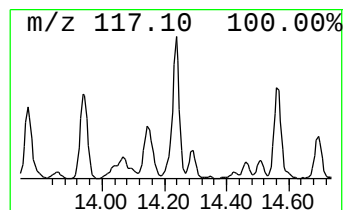
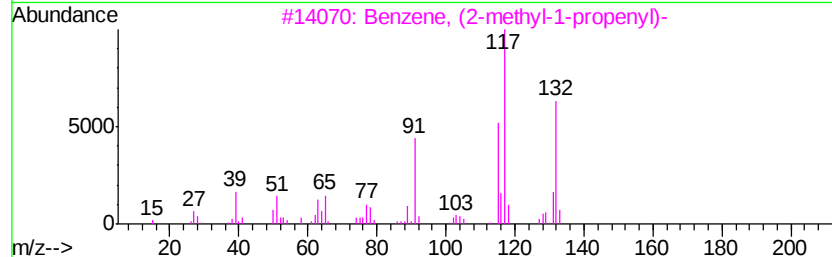
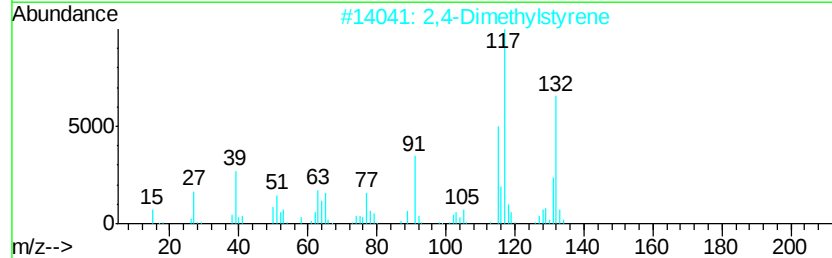
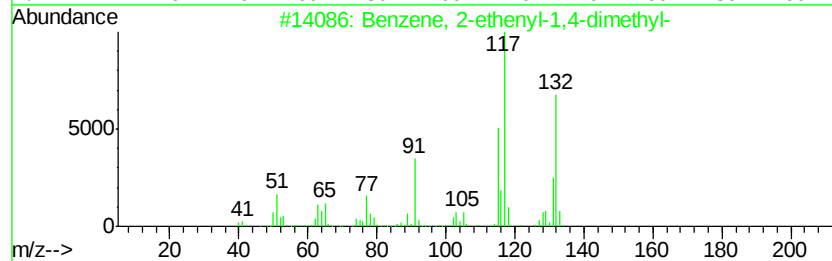
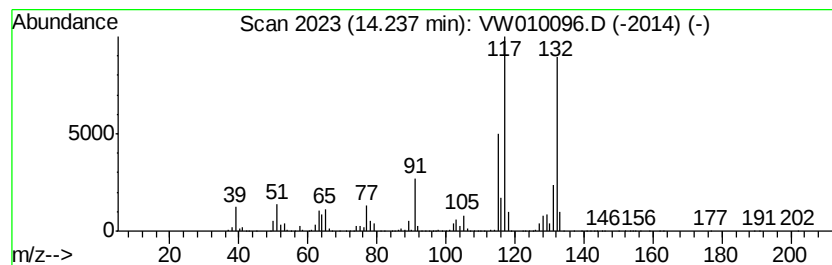
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Quant Title : VOC Analysis

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

Peak Number 16 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	34.20 ug/L	2832780	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	97
3		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	96
4		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	95
5		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ5RE

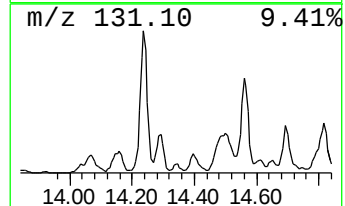
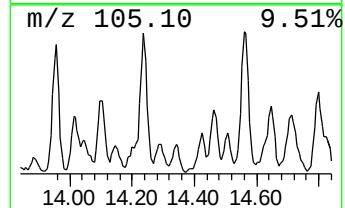
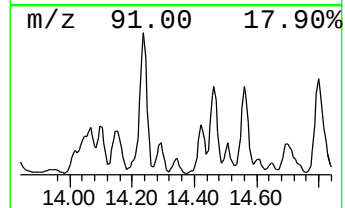
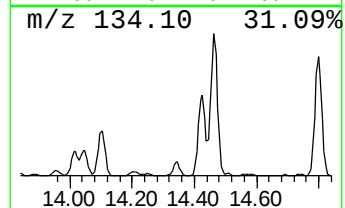
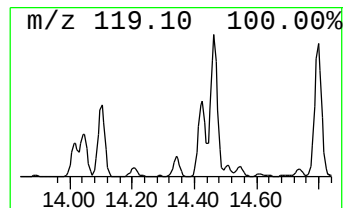
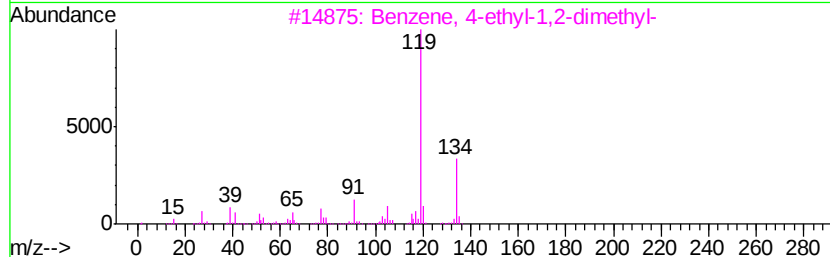
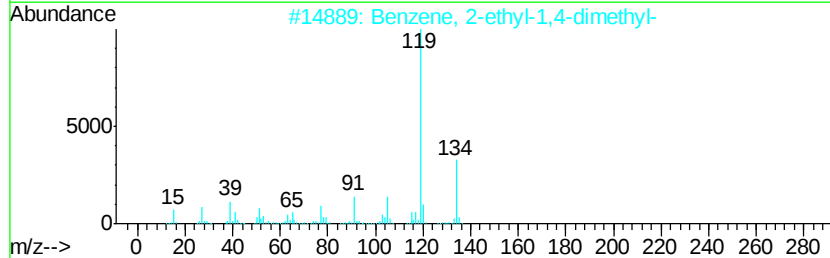
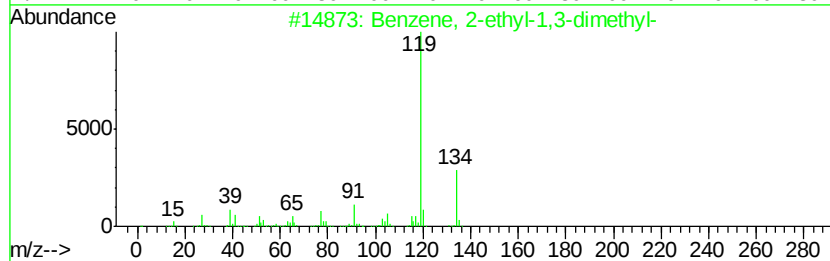
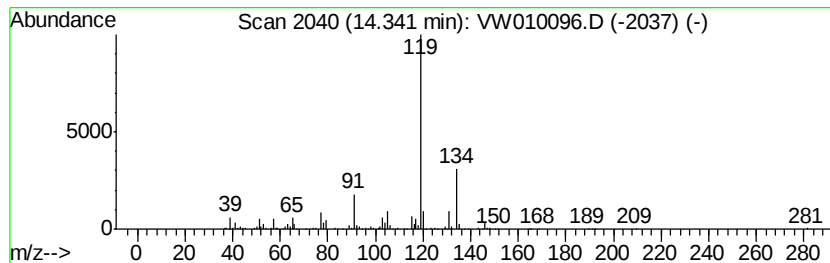
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Quant Title : VOC Analysis

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

Peak Number 18 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	3.32 ug/L	275005	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ5RE

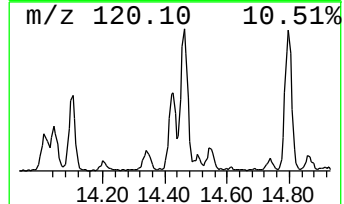
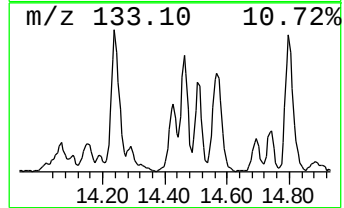
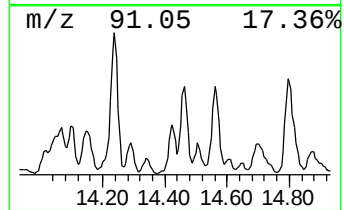
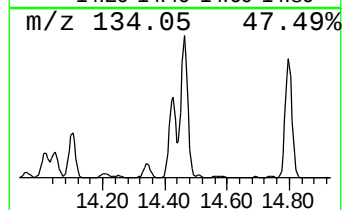
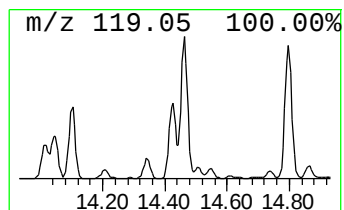
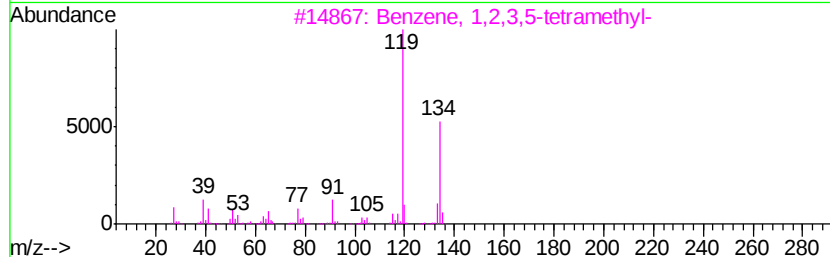
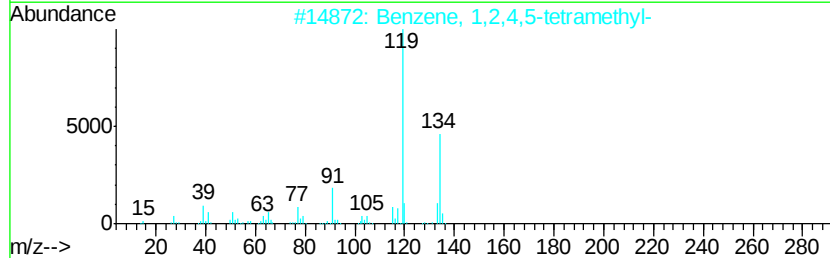
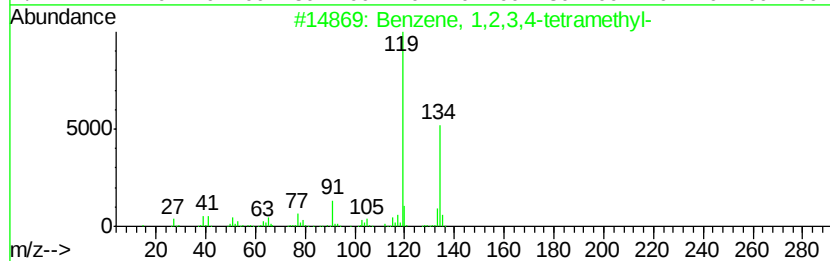
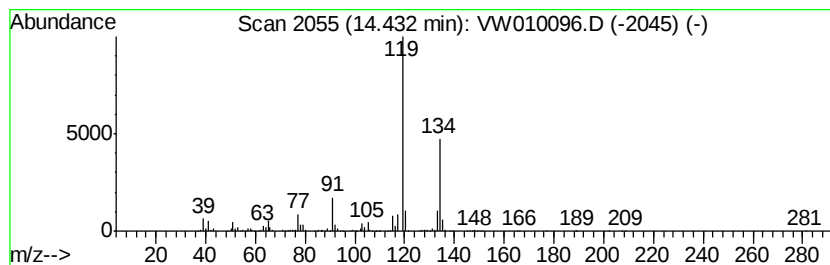
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Quant Title : VOC Analysis

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

Peak Number 19 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	11.29 ug/L	934892	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, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ5RE

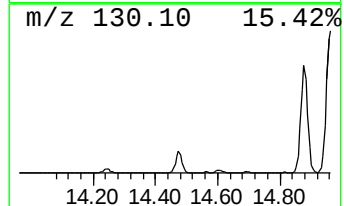
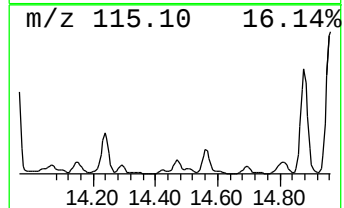
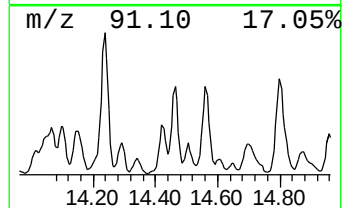
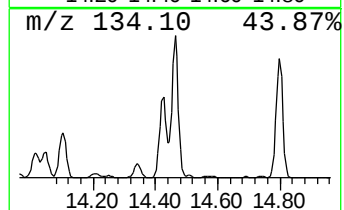
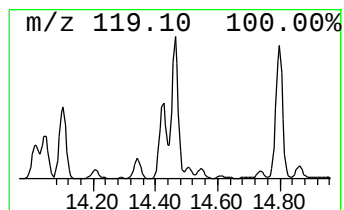
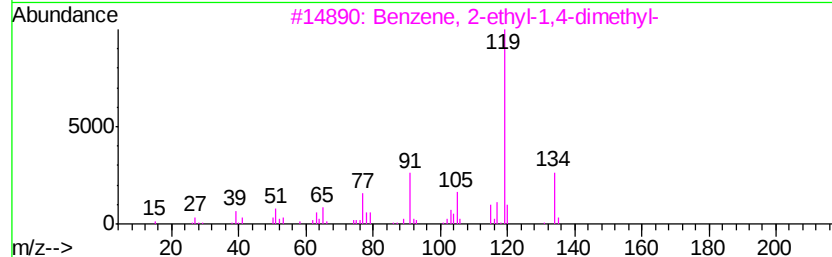
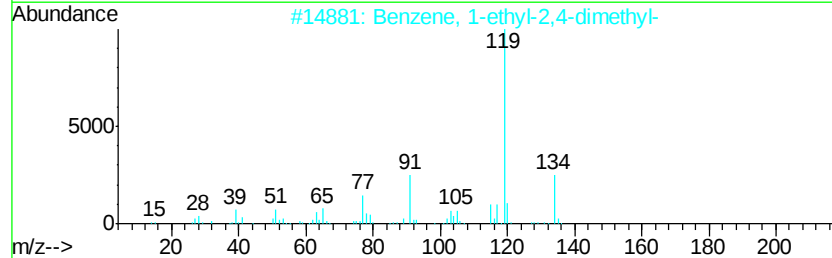
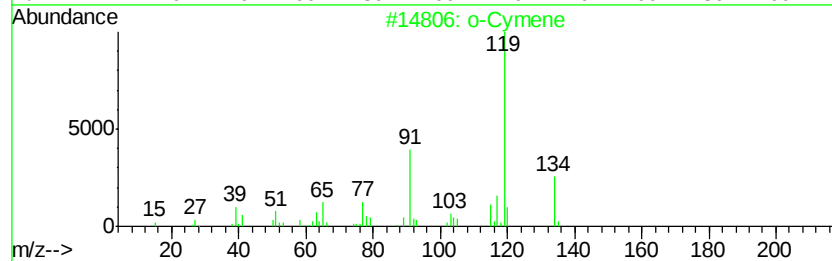
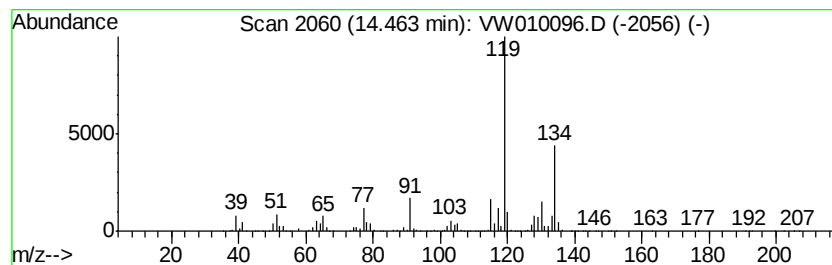
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Quant Title : VOC Analysis

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

Peak Number 20 o-Cymene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	22.45 ug/L	1859500	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, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
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, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

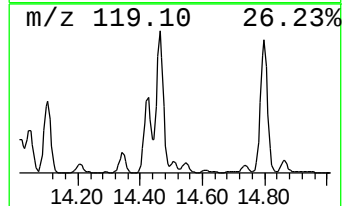
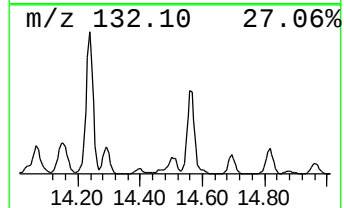
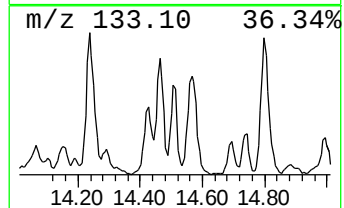
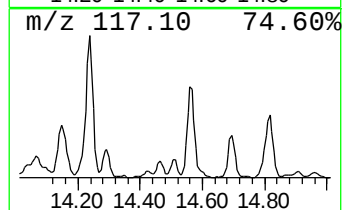
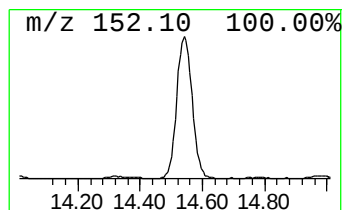
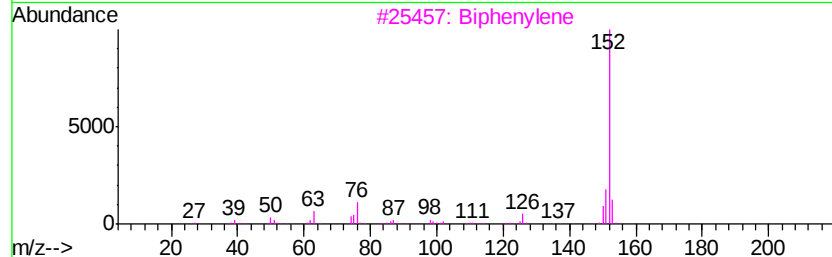
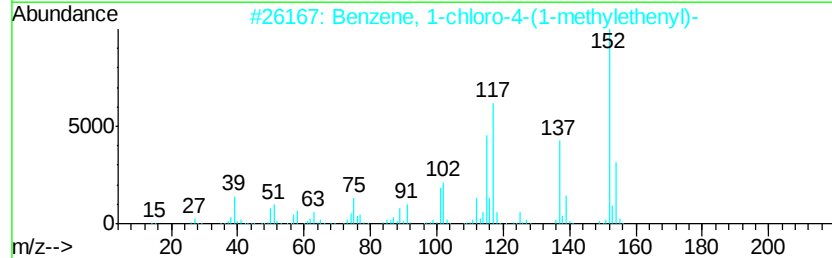
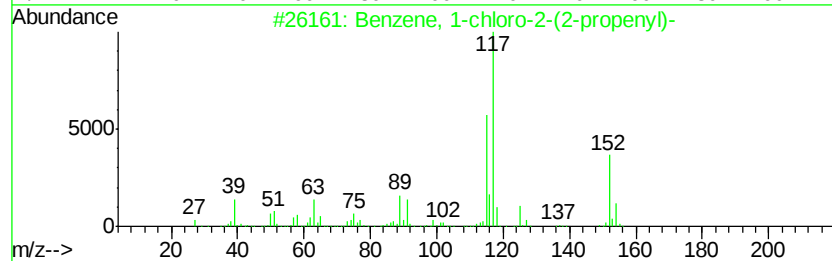
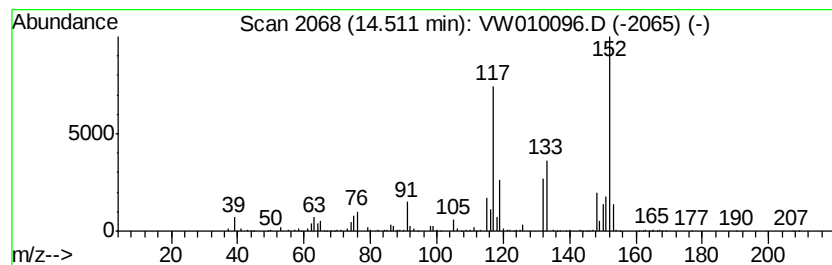
Instrument :
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ClientSampleId :
GAHQ5RE

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 Benzene, 1-chloro-2-(2-prop... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	6.33 ug/L	524571	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-chloro-2-(2-propenyl)-	152 C9H9Cl	001587-07-1 50
2		Benzene, 1-chloro-4-(1-methyleth...	152 C9H9Cl	001712-70-5 50
3		Biphenylene	152 C12H8	000259-79-0 42
4		Acenaphthylene	152 C12H8	000208-96-8 38
5		Biphenylene	152 C12H8	000259-79-0 38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ5RE

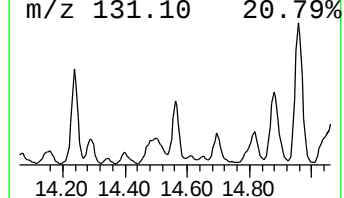
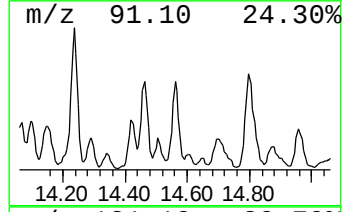
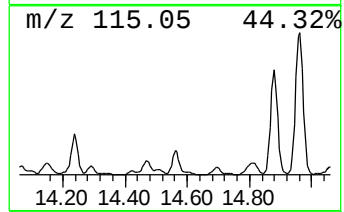
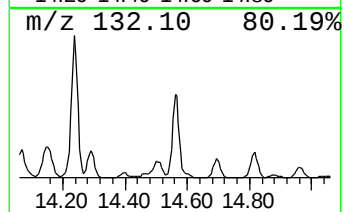
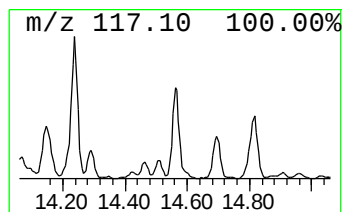
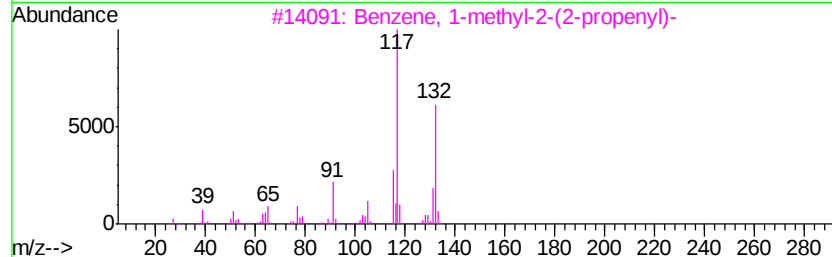
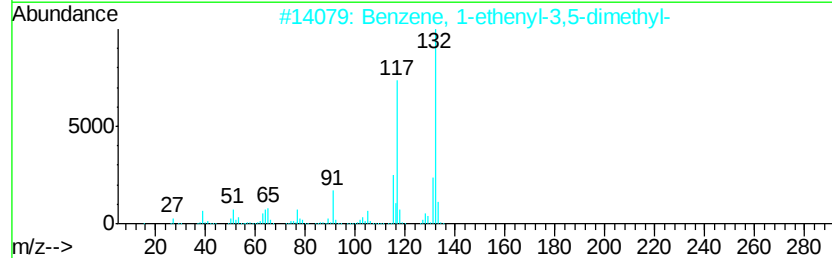
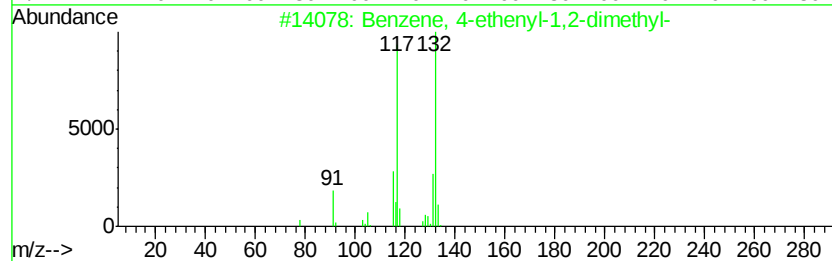
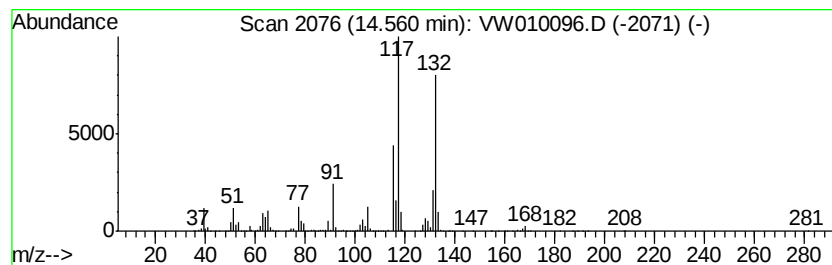
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Quant Title : VOC Analysis

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

Peak Number 22 Benzene, 4-ethenyl-1,2-dime... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	24.76 ug/L	2050690	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	97
2		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	96
3		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	95
4		Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	94
5		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ5RE

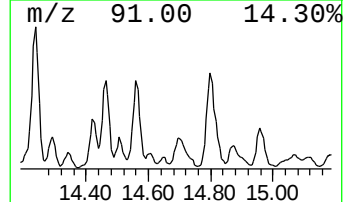
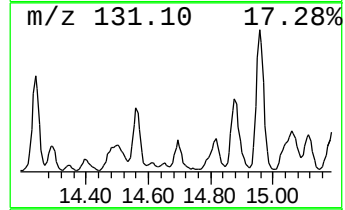
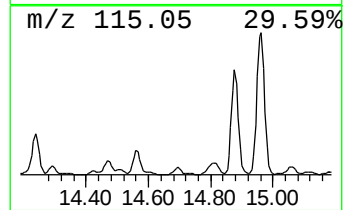
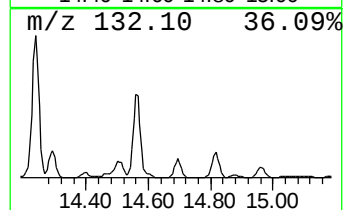
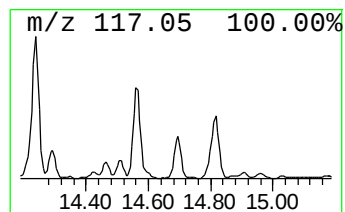
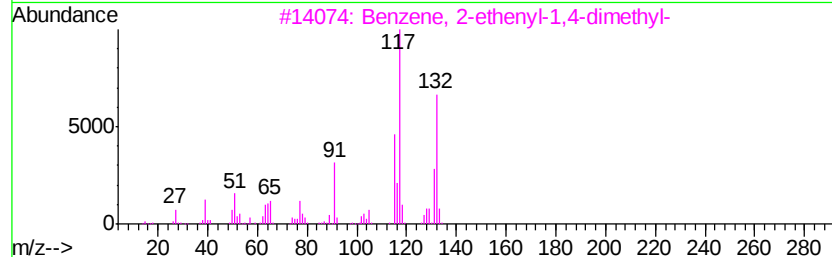
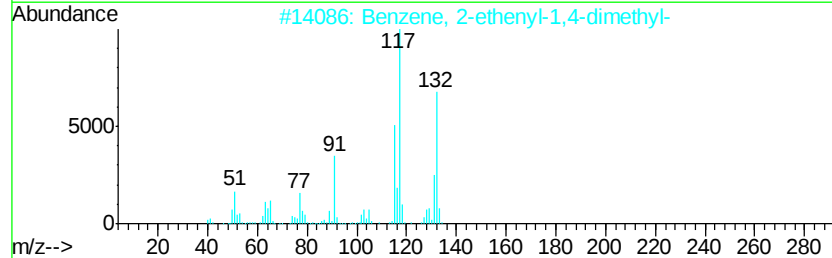
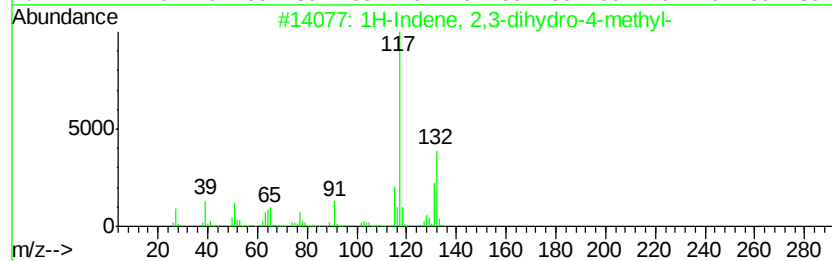
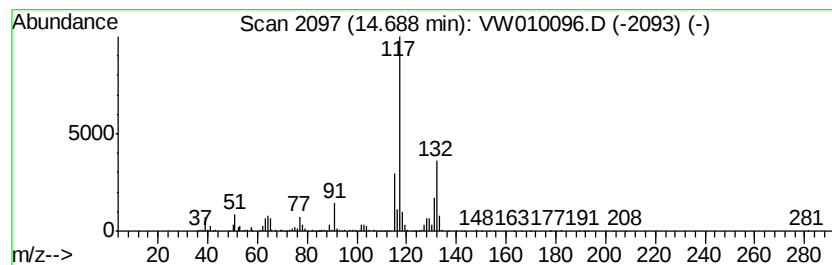
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Quant Title : VOC Analysis

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

Peak Number 23 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	7.39 ug/L	611889	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
2			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
3			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
4			3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
5			1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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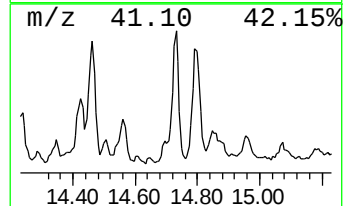
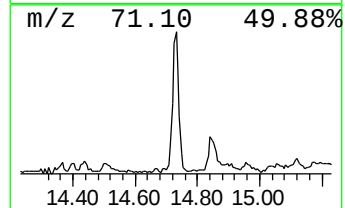
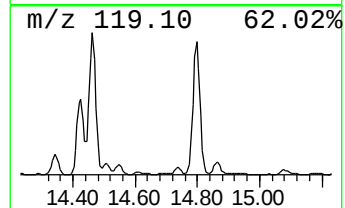
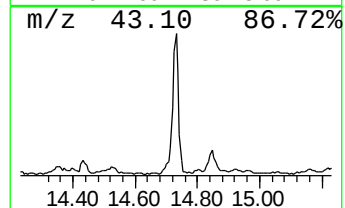
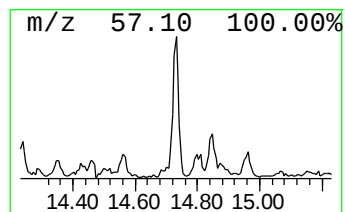
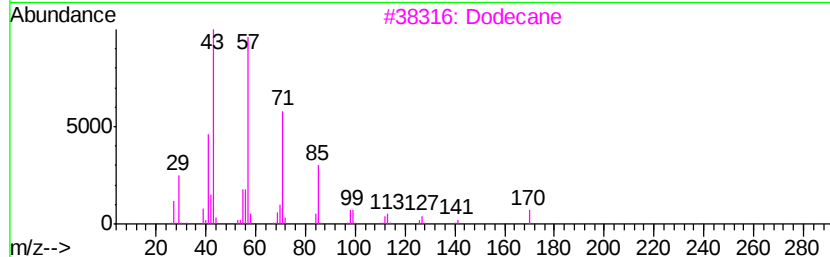
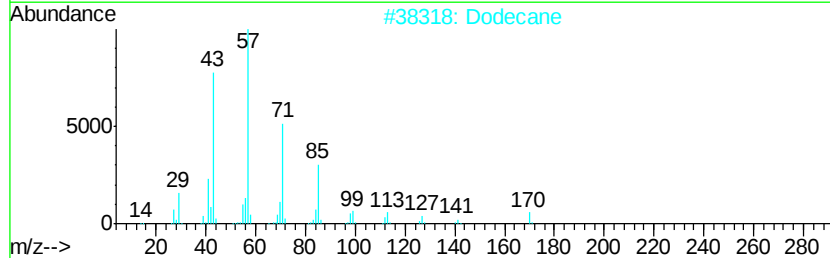
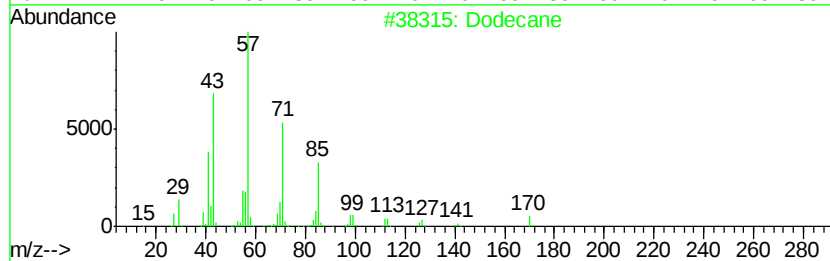
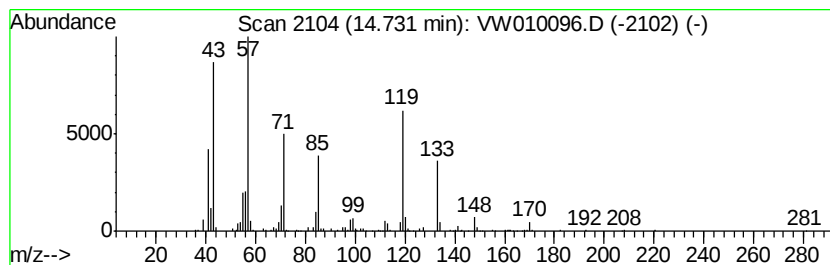
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Quant Title : VOC Analysis

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	3.61 ug/L	298709	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane			170	C12H26	000112-40-3	83
2	Dodecane			170	C12H26	000112-40-3	50
3	Dodecane			170	C12H26	000112-40-3	49
4	Tetradecane			198	C14H30	000629-59-4	49
5	Tridecane			184	C13H28	000629-50-5	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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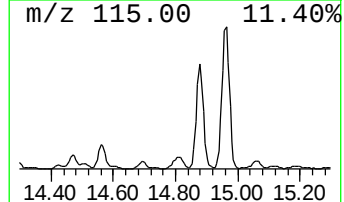
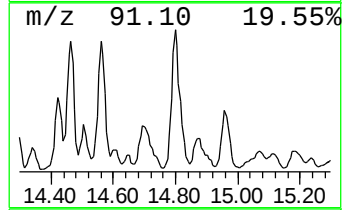
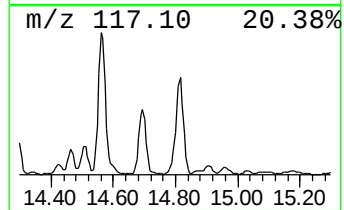
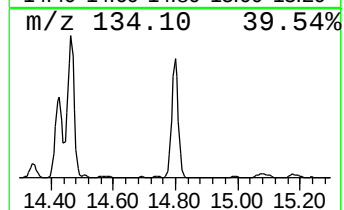
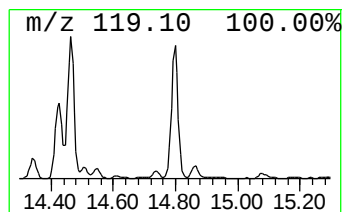
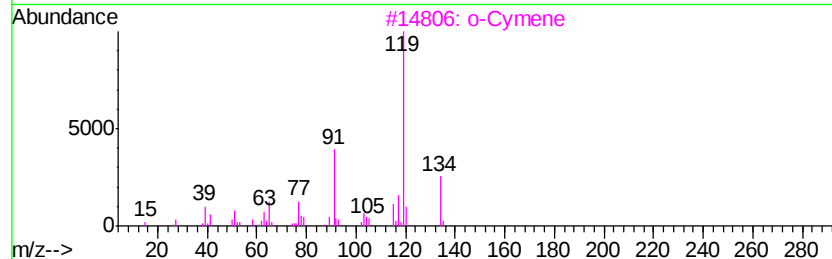
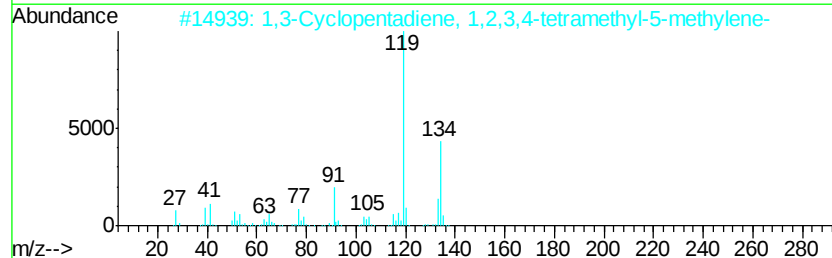
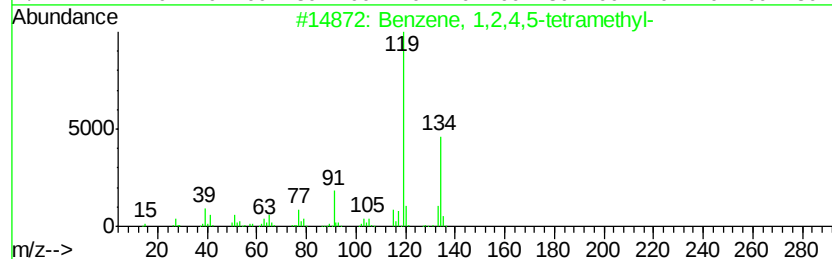
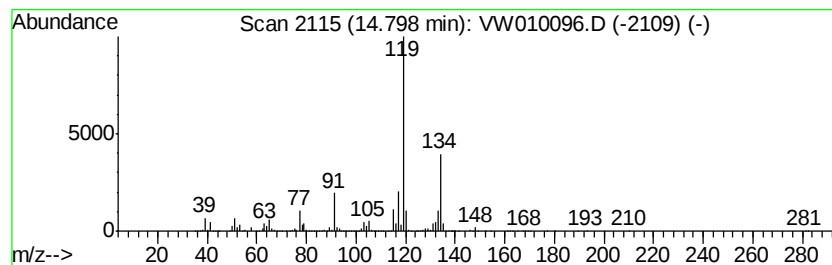
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Quant Title : VOC Analysis

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

Peak Number 25 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	27.94 ug/L	2313960	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		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
3		o-Cymene	134	C10H14	000527-84-4	90
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ5RE

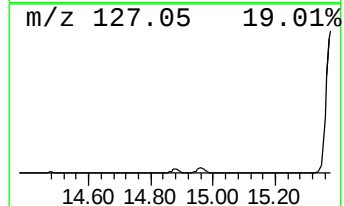
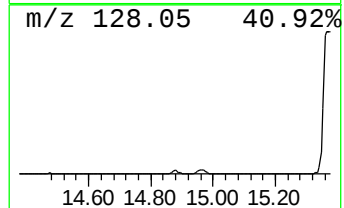
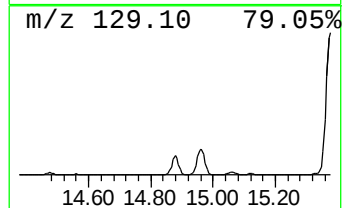
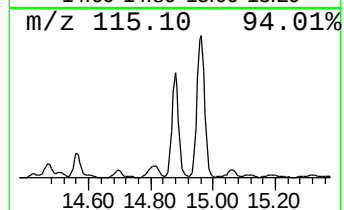
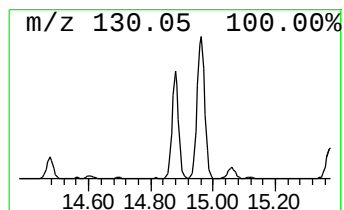
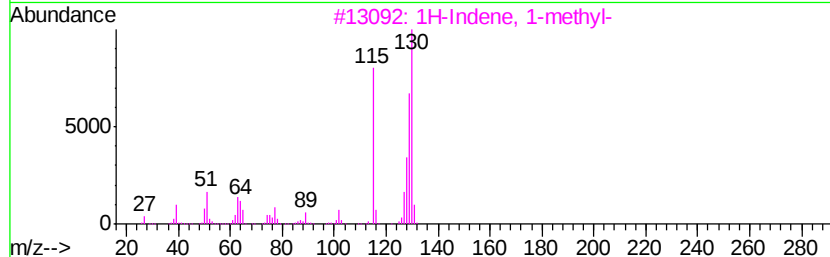
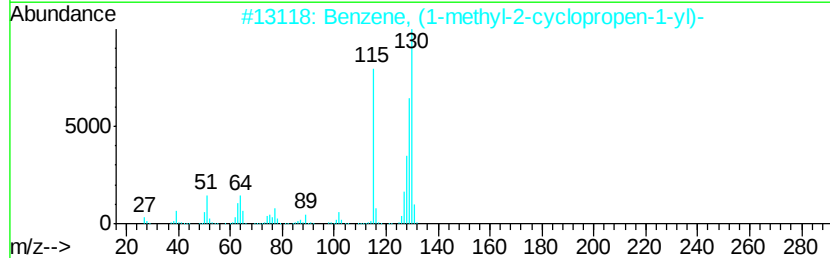
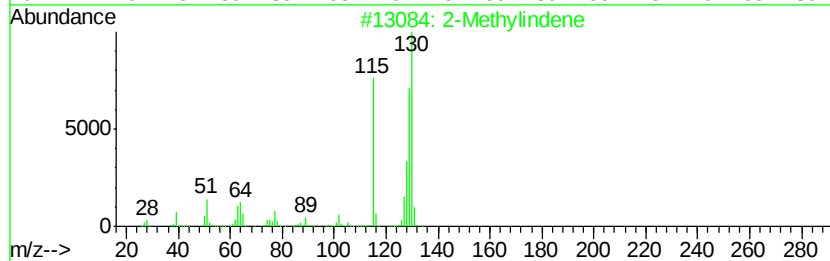
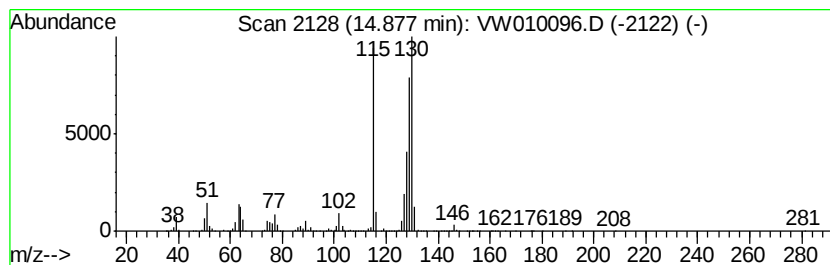
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Quant Title : VOC Analysis

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

Peak Number 26 2-Methylindene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	47.33 ug/L	3920310	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Methylindene	130	C10H10	002177-47-1	97
2		Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
3		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4		1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
5		Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ5RE

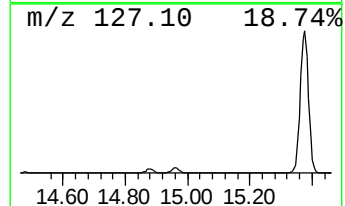
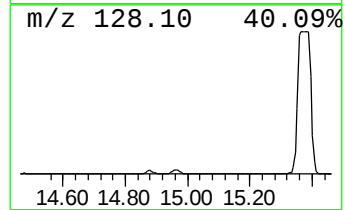
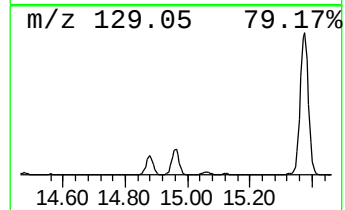
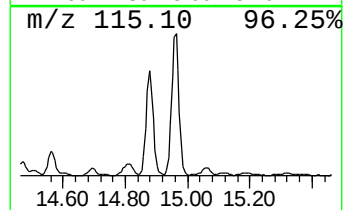
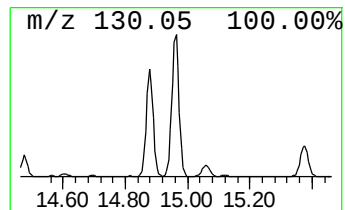
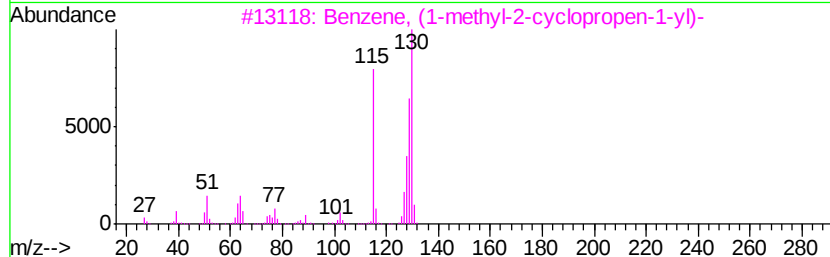
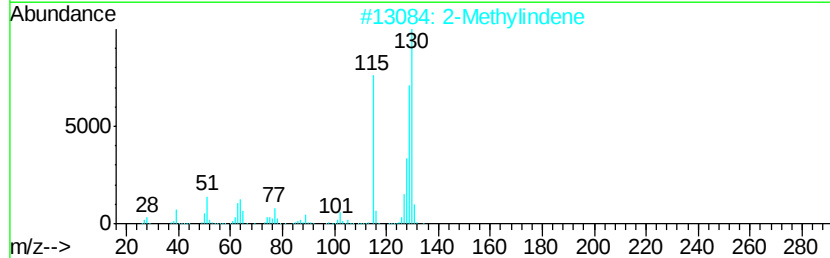
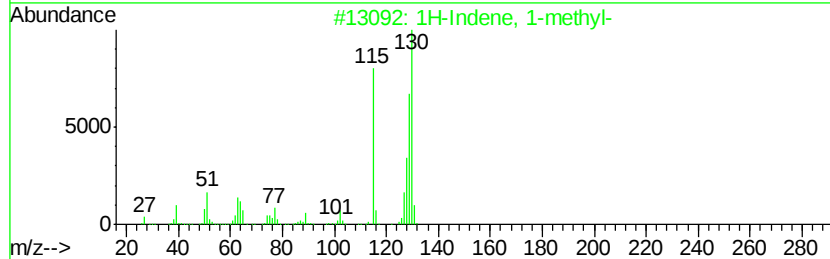
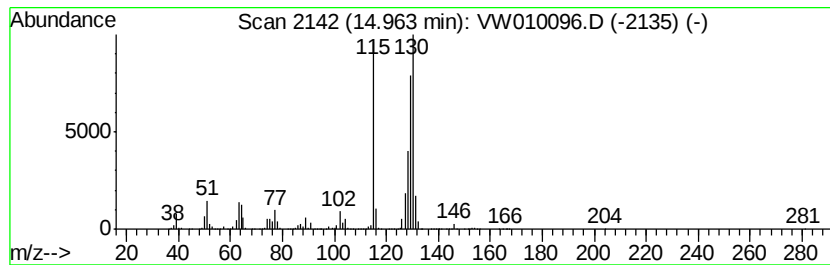
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Quant Title : VOC Analysis

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

Peak Number 27 1H-Indene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	70.34 ug/L	5826760	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	96
3		Benzene, (1-methyl-2-cyclopropen-1-yl)-	130	C10H10	065051-83-4	95
4		Benzene, 1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
5		1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ5RE

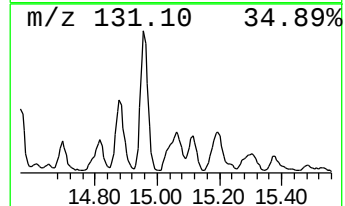
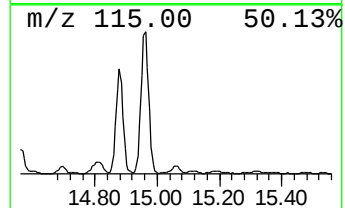
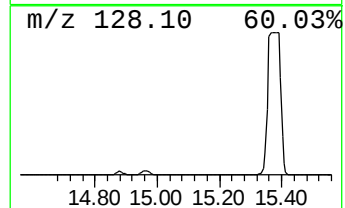
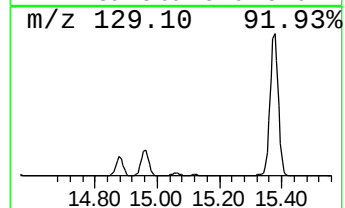
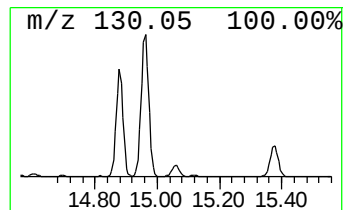
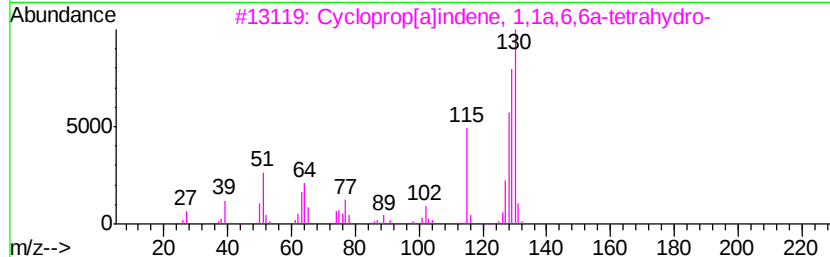
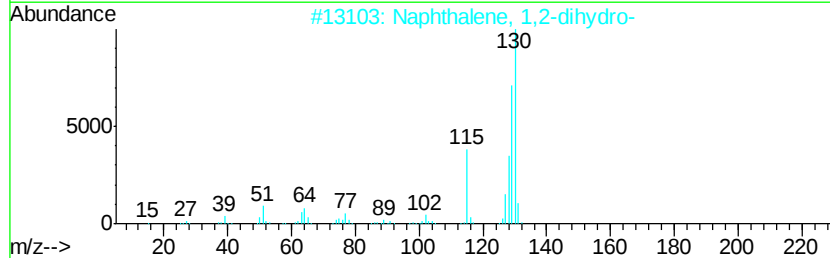
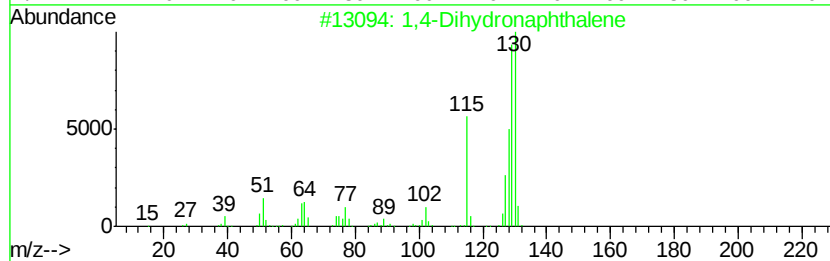
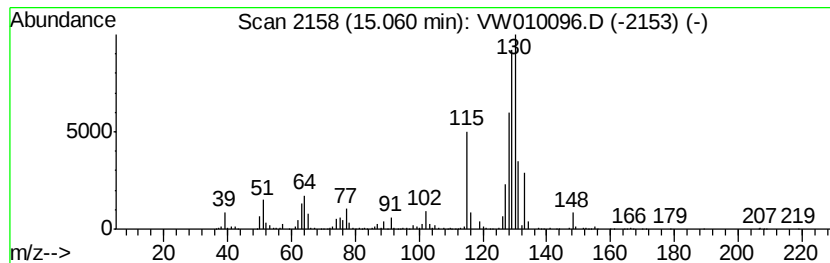
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Quant Title : VOC Analysis

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

Peak Number 28 1,4-Dihydronaphthalene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	6.71 ug/L	556018	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
2		Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	94
3		Cycloprop[alindene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93
4		Cycloprop[alindene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93
5		Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ5RE

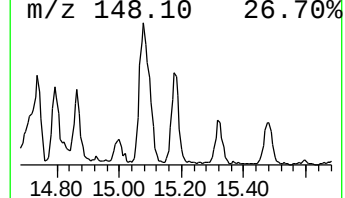
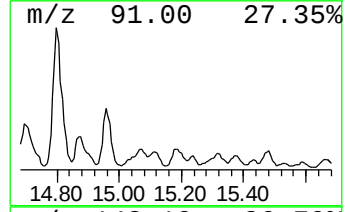
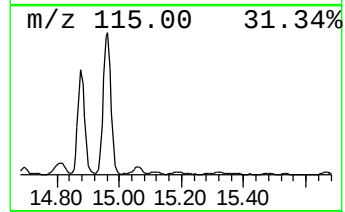
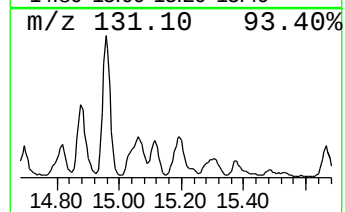
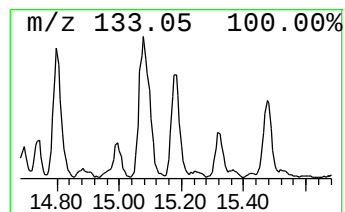
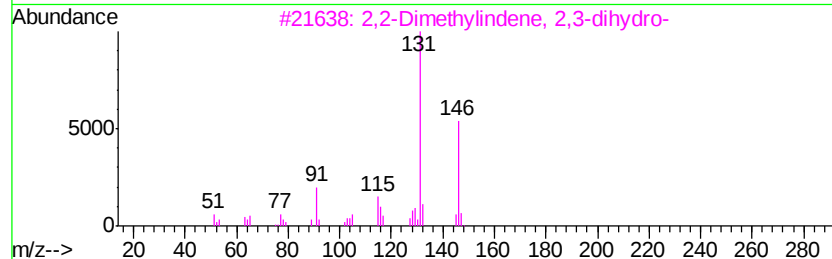
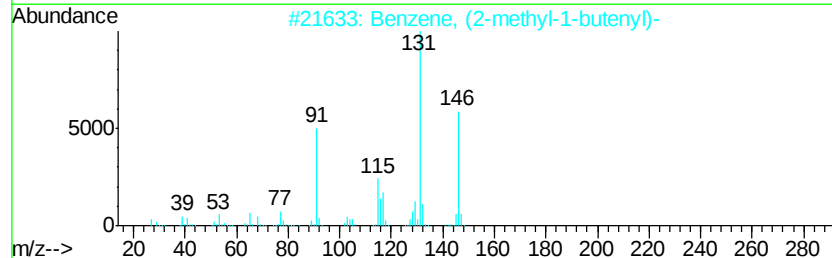
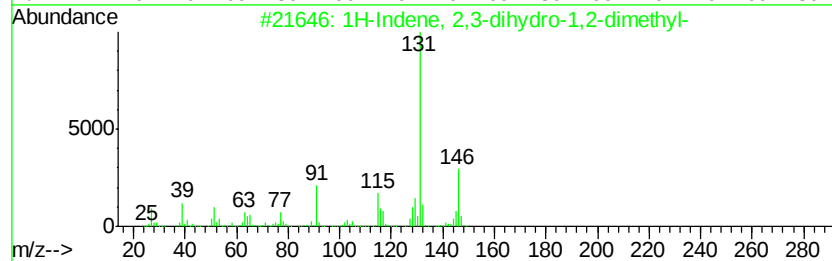
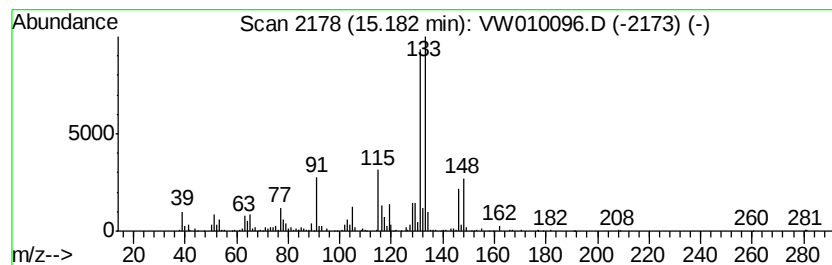
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Quant Title : VOC Analysis

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

Peak Number 29 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	5.02 ug/L	415489	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
2			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	64
3			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	50
4			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	50
5			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ5RE

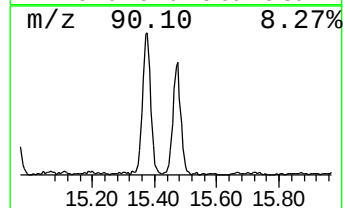
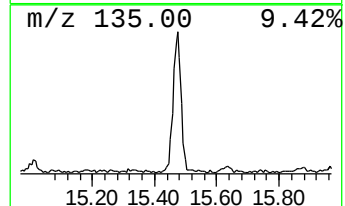
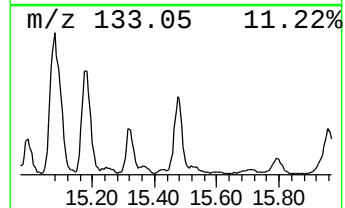
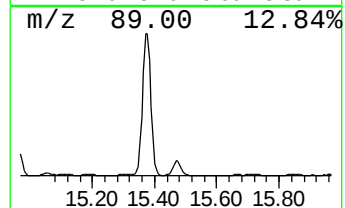
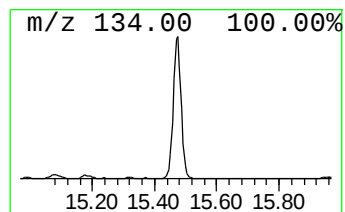
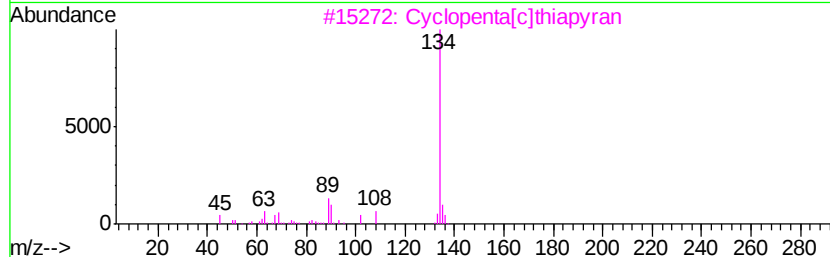
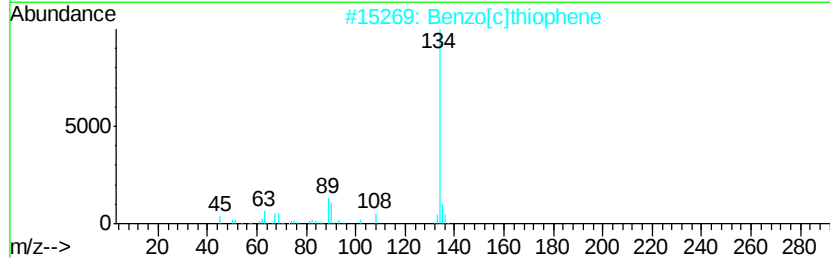
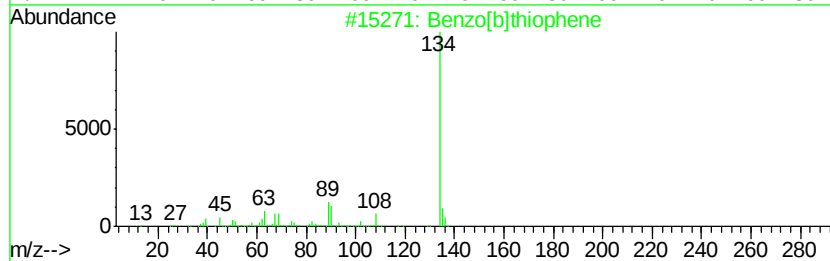
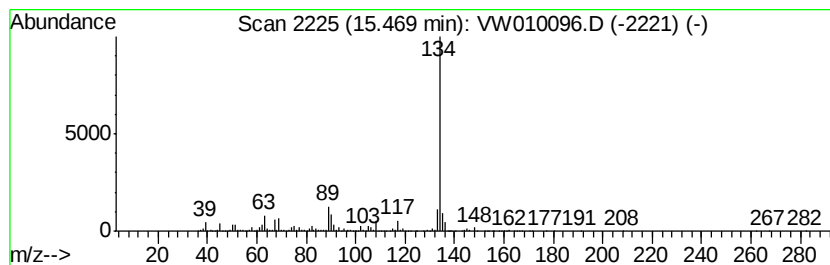
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Quant Title : VOC Analysis

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

Peak Number 31 Benzo[b]thiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	9.65 ug/L	799505	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
2		Benzo[c]thiophene	134	C8H6S	000270-82-6	93
3		Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	87
4		Benzo[b]thiophene	134	C8H6S	000095-15-8	87
5		Benzo[b]thiophene	134	C8H6S	000095-15-8	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
 Data File : VW010096.D
 Acq On : 23 Apr 2019 12:42
 Operator : SY/VA
 Sample : K2455-03RE
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
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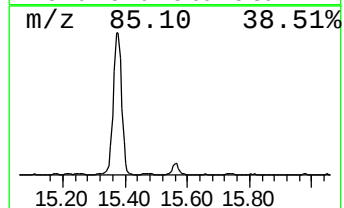
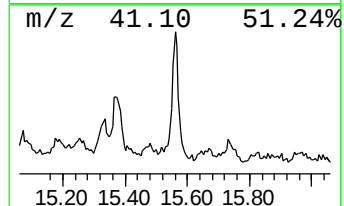
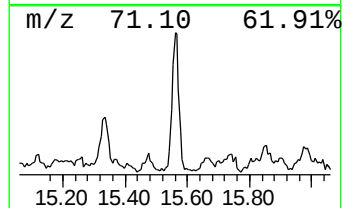
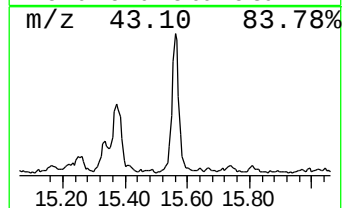
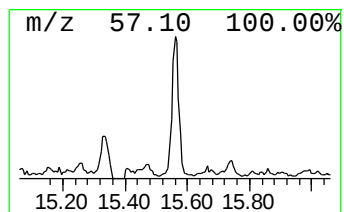
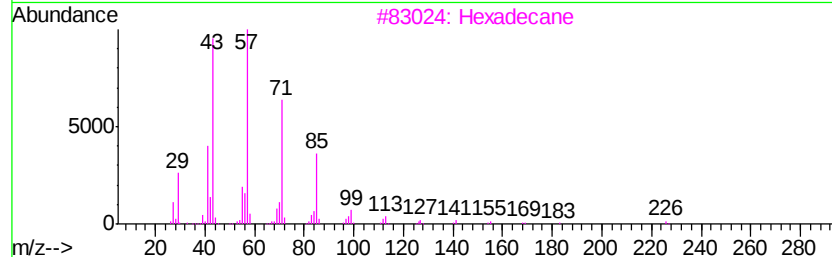
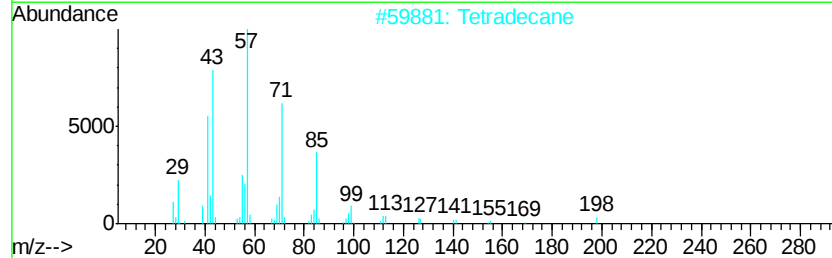
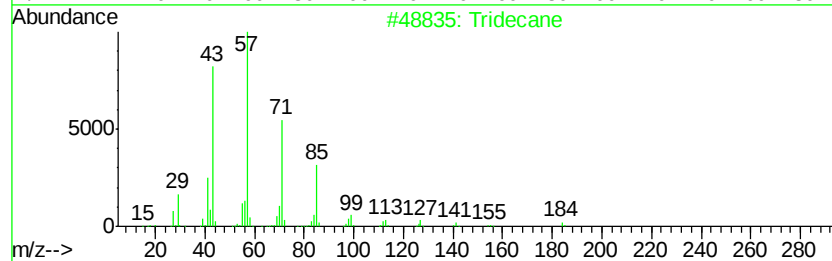
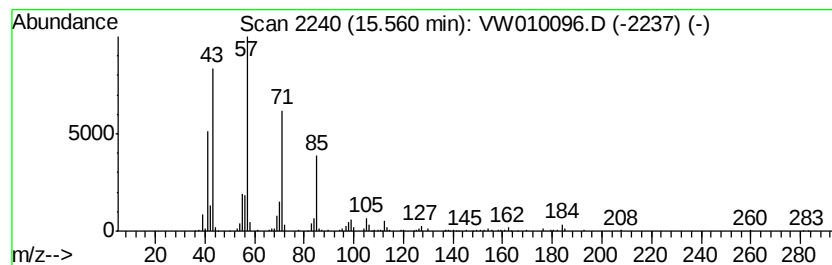
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 Quant Title : VOC Analysis

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

 Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	2.87 ug/L	237918	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	91
2			Tetradecane	198	C14H30	000629-59-4	90
3			Hexadecane	226	C16H34	000544-76-3	90
4			Hexadecane	226	C16H34	000544-76-3	90
5			Decane, 3-methyl-	156	C11H24	013151-34-3	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ5RE

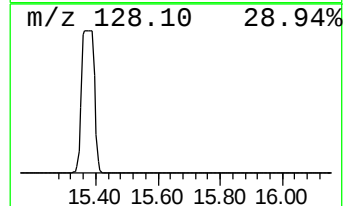
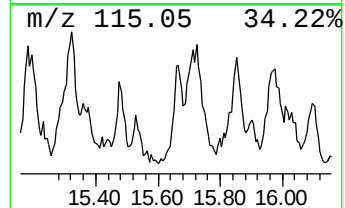
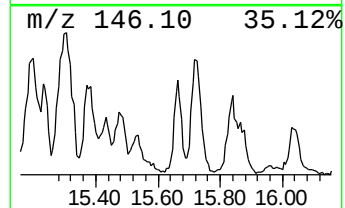
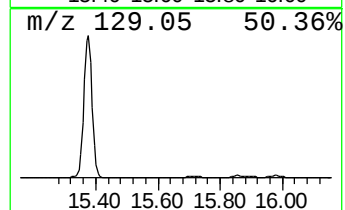
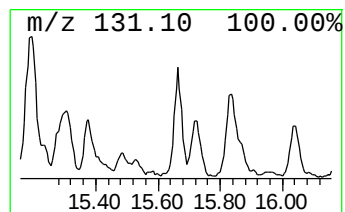
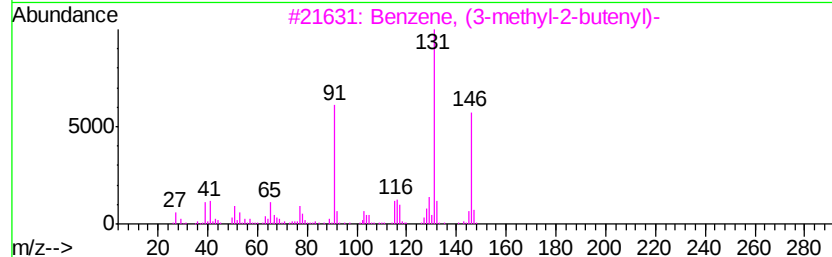
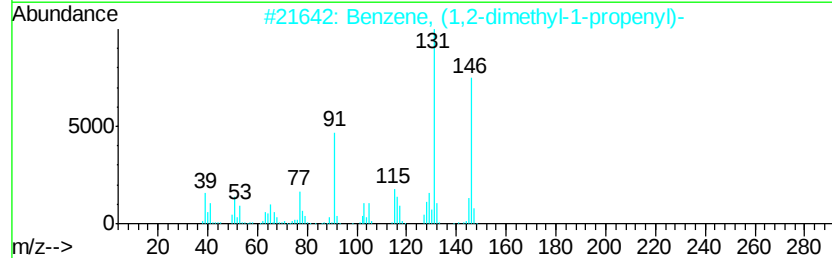
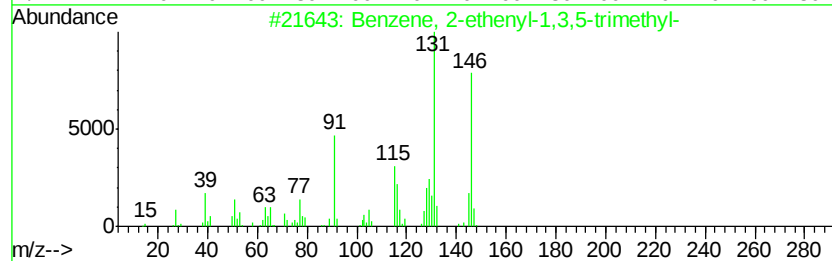
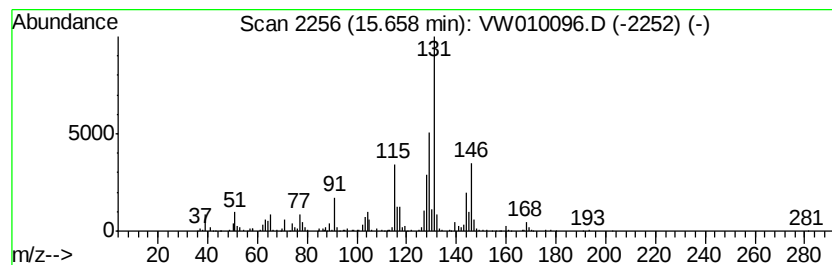
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Quant Title : VOC Analysis

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

Peak Number 33 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	2.72 ug/L	225202	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	72
2		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	70
3		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70
4		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	70
5		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	68



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

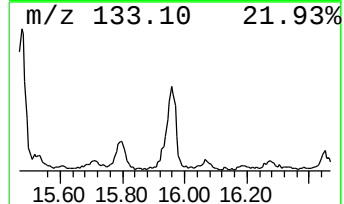
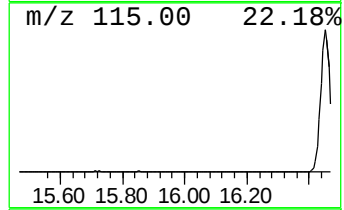
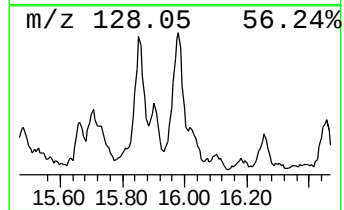
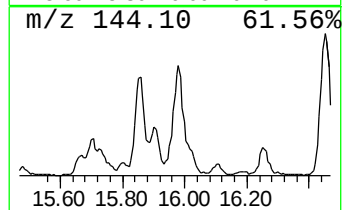
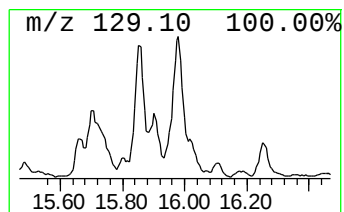
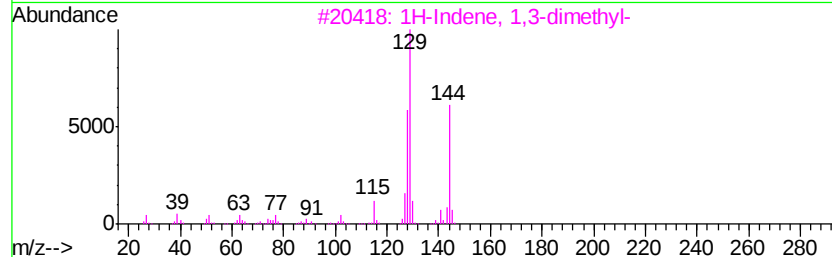
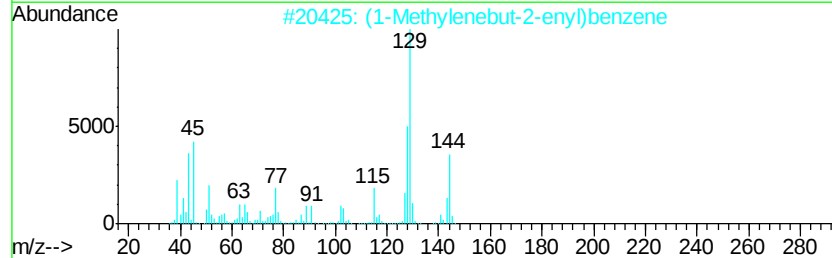
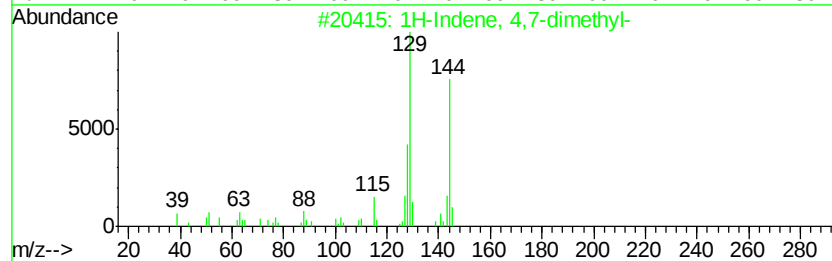
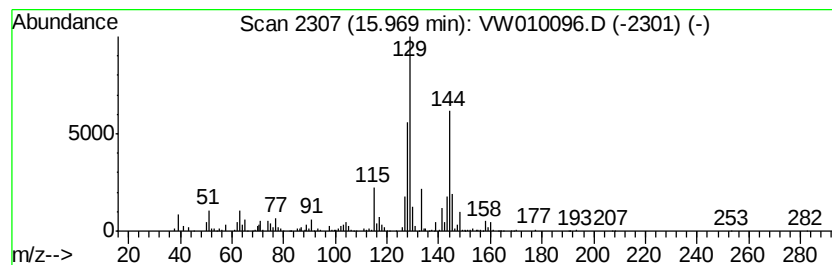
Instrument :
MSVOA_W
ClientSampleId :
GAHQ5RE

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 34 1H-Indene, 4,7-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.97	5.04 ug/L	417717	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	91
2	(1-Methylenebut-2-enyl)benzene	144	C11H12	070588-46-4	91
3	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	90
4	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	90
5	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ5RE

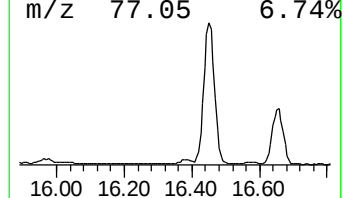
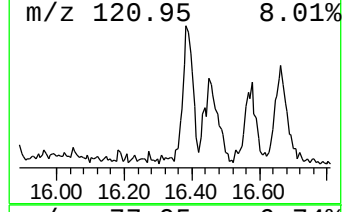
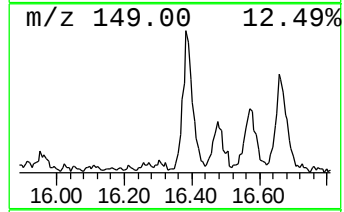
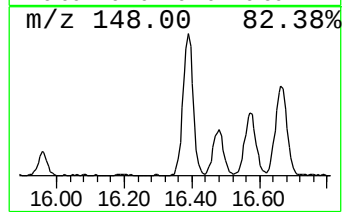
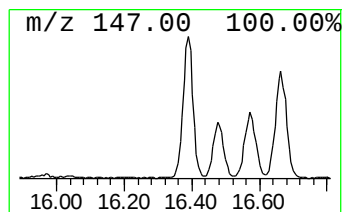
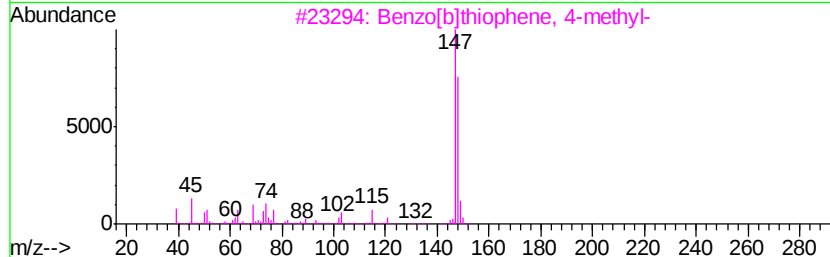
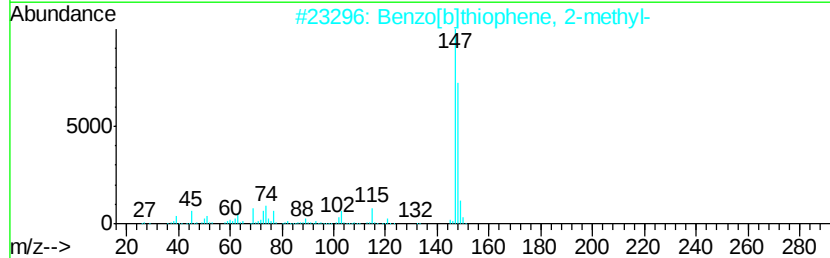
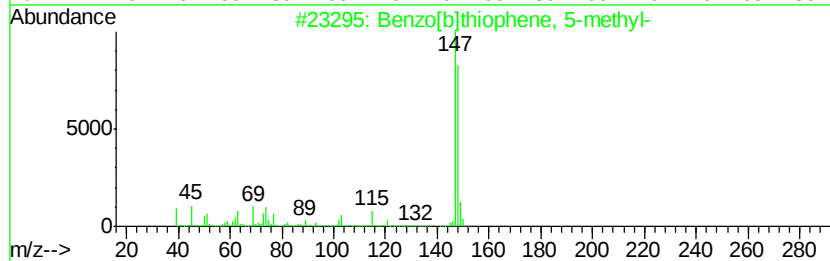
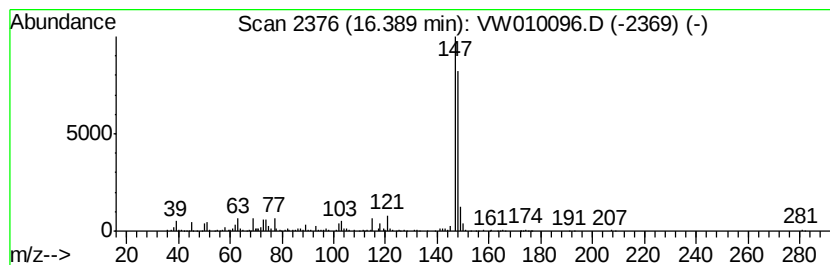
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Quant Title : VOC Analysis

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

Peak Number 35 Benzo[b]thiophene, 5-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	3.61 ug/L	298793	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91
2			Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
3			Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
4			Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
5			3-Methylbenzothiophene	148	C9H8S	001455-18-1	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ5RE

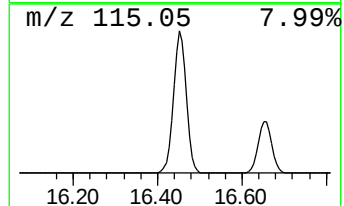
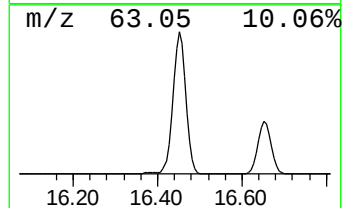
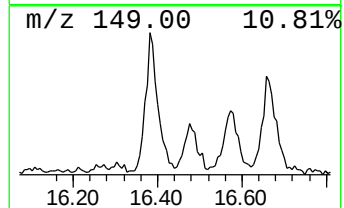
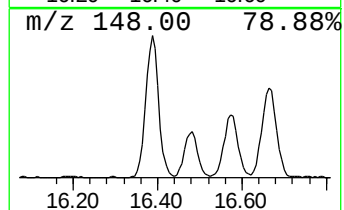
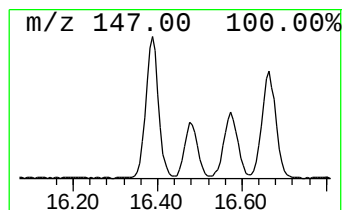
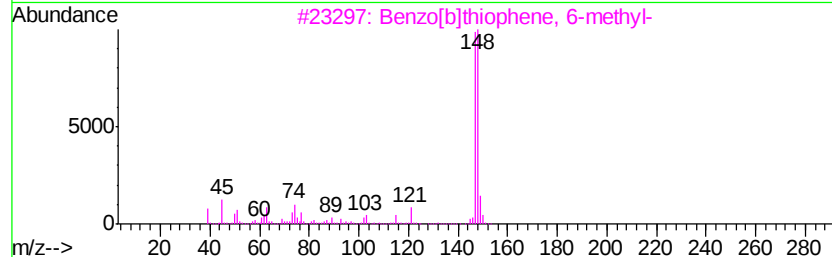
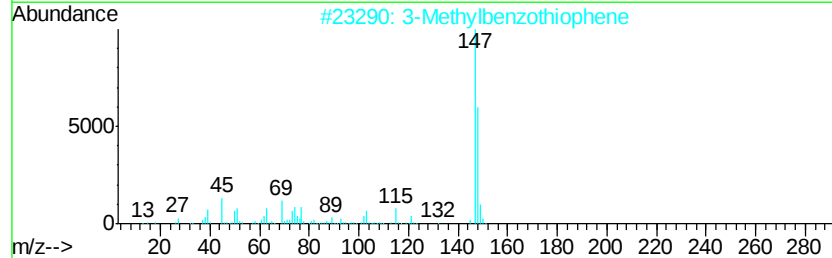
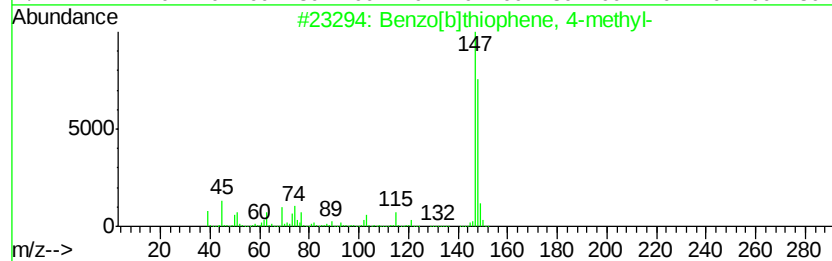
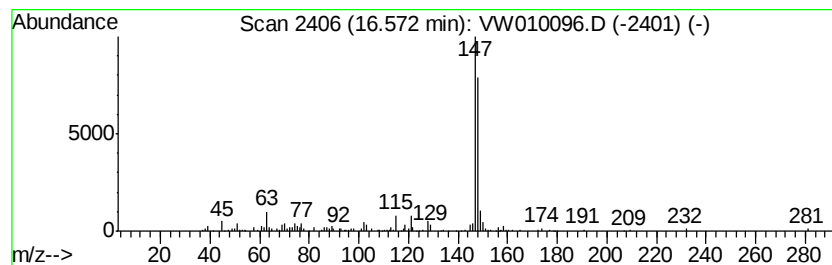
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Quant Title : VOC Analysis

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

Peak Number 37 Benzo[b]thiophene, 4-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	1.61 ug/L	133292	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	90
2			3-Methylbenzothiophene	148	C9H8S	001455-18-1	87
3			Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	86
4			Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	80
5			3-Methylbenzothiophene	148	C9H8S	001455-18-1	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010096.D
Acq On : 23 Apr 2019 12:42
Operator : SY/VA
Sample : K2455-03RE
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHQ5RE

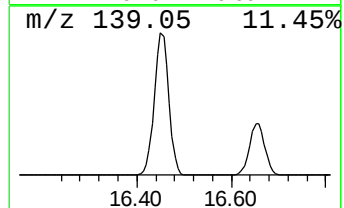
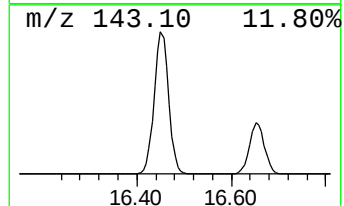
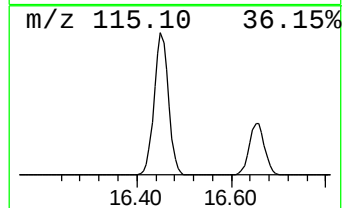
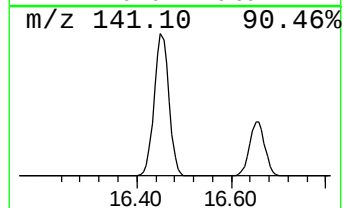
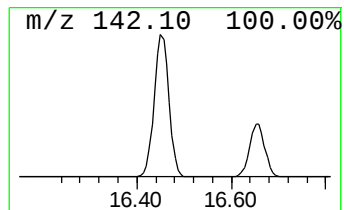
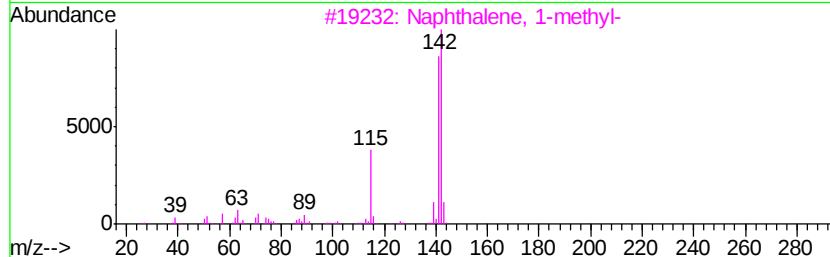
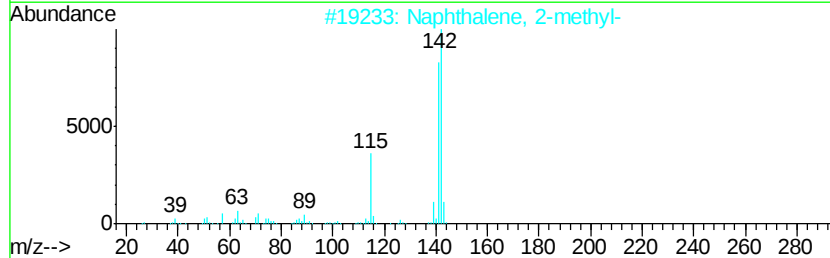
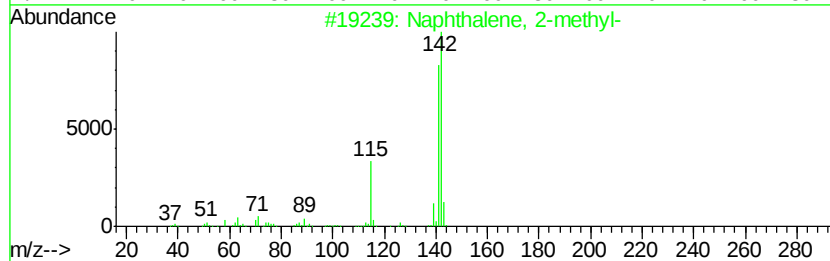
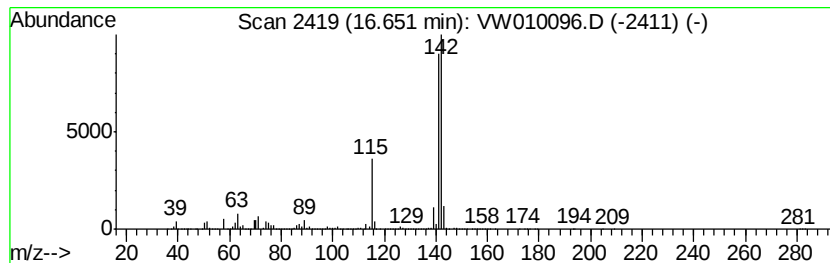
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 38 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	192.61 ug/L	15954800	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	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 : VW010096.D
 Acq On : 23 Apr 2019 12:42
 Operator : SY/VA
 Sample : K2455-03RE
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHQ5RE

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
Naphthalene, 1-et...	12.44	172.4	ug/L	3497360	2	11.63	507179	25.0
Naphthalene, 2,6-...	12.88	43.9	ug/L	3635300	3	13.56	2070830	25.0
.alpha.-Methylsty...	13.12	7.6	ug/L	632030	3	13.56	2070830	25.0
Benzene, 1,2,3-tr...	13.26	51.2	ug/L	4242570	3	13.56	2070830	25.0
Benzene, 1-etheny...	13.30	71.3	ug/L	5907170	3	13.56	2070830	25.0
Naphthalene, 1,7-...	13.48	21.0	ug/L	1738110	3	13.56	2070830	25.0
Benzene, 1-methyl...	13.72	2.9	ug/L	242854	3	13.56	2070830	25.0
Indane	13.76	10.8	ug/L	892339	3	13.56	2070830	25.0
Indene	13.94	145.5	ug/L	12052700	3	13.56	2070830	25.0
Benzene, 1-methyl...	14.01	2.3	ug/L	186446	3	13.56	2070830	25.0
Benzene, 2-ethyl-...	14.10	6.8	ug/L	561759	3	13.56	2070830	25.0
Benzene, 1-etheny...	14.15	10.5	ug/L	867340	3	13.56	2070830	25.0
Benzene, 2-etheny...	14.24	34.2	ug/L	2832780	3	13.56	2070830	25.0
Benzene, 2-ethyl-...	14.34	3.3	ug/L	275005	3	13.56	2070830	25.0
Benzene, 1,2,3,4-...	14.43	11.3	ug/L	934892	3	13.56	2070830	25.0
o-Cymene	14.46	22.4	ug/L	1859500	3	13.56	2070830	25.0
Benzene, 1-chloro...	14.51	6.3	ug/L	524571	3	13.56	2070830	25.0
Benzene, 4-etheny...	14.56	24.8	ug/L	2050690	3	13.56	2070830	25.0
1H-Indene, 2,3-di...	14.69	7.4	ug/L	611889	3	13.56	2070830	25.0
(DEL) Alkane: Str...	14.73	3.6	ug/L	298709	3	13.56	2070830	25.0
Benzene, 1,2,4,5-...	14.80	27.9	ug/L	2313960	3	13.56	2070830	25.0
2-Methylindene	14.88	47.3	ug/L	3920310	3	13.56	2070830	25.0
1H-Indene, 1-methyl-	14.96	70.3	ug/L	5826760	3	13.56	2070830	25.0
1,4-Dihydronaphth...	15.06	6.7	ug/L	556018	3	13.56	2070830	25.0
1H-Indene, 2,3-di...	15.18	5.0	ug/L	415489	3	13.56	2070830	25.0
Benzo[b]thiophene	15.47	9.7	ug/L	799505	3	13.56	2070830	25.0
(DEL) Alkane: Str...	15.56	2.9	ug/L	237918	3	13.56	2070830	25.0
Benzene, 2-etheny...	15.66	2.7	ug/L	225202	3	13.56	2070830	25.0
1H-Indene, 4,7-di...	15.97	5.0	ug/L	417717	3	13.56	2070830	25.0
Benzo[b]thiophene...	16.39	3.6	ug/L	298793	3	13.56	2070830	25.0
Benzo[b]thiophene...	16.57	1.6	ug/L	133292	3	13.56	2070830	25.0
Naphthalene, 1-me...	16.65	192.6	ug/L	15954800	3	13.56	2070830	25.0