

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050119\
 Data File : VW010253.D
 Acq On : 01 May 2019 19:40
 Operator : SY/VA
 Sample : K2604-10
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAJ84

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\SOM2WLM042919S.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	2.160	36	42	52	rBV	26283	78198	0.33%	0.091%
2	2.361	69	75	89	rVB	69425	171089	0.72%	0.199%
3	2.891	155	162	177	rVB	60278	179996	0.76%	0.209%
4	3.842	316	318	321	rBV3	1118	1651	0.01%	0.002%
5	4.013	333	346	360	rBV2	143442	516939	2.17%	0.600%
6	4.391	401	408	409	rBV	6903	10455	0.04%	0.012%
7	4.525	428	430	433	rVB3	868	939	0.00%	0.001%
8	4.647	448	450	454	rVB4	995	1089	0.00%	0.001%
9	4.812	473	477	480	rVB3	1096	1632	0.01%	0.002%
10	4.915	482	494	502	rBV4	11199	43783	0.18%	0.051%
11	5.171	531	536	541	rBV6	1285	2889	0.01%	0.003%
12	5.543	592	597	598	rBV4	1032	1257	0.01%	0.001%
13	5.659	614	616	619	rBV2	1037	1080	0.00%	0.001%
14	5.891	650	654	655	rBV2	932	1180	0.00%	0.001%
15	5.934	655	661	662	rBV3	1466	2437	0.01%	0.003%
16	6.055	680	681	685	rVB3	1071	1139	0.00%	0.001%
17	6.196	702	704	706	rBV2	814	931	0.00%	0.001%
18	6.580	766	767	772	rBV2	540	950	0.00%	0.001%
19	6.891	815	818	819	rBV2	1327	1331	0.01%	0.002%
20	7.080	841	849	858	rBV	66708	186463	0.78%	0.216%
21	7.183	864	866	870	rVB5	1806	2362	0.01%	0.003%
22	7.311	883	887	889	rBV4	816	1092	0.00%	0.001%
23	7.647	929	942	952	rBV	330657	821836	3.46%	0.954%
24	7.842	971	974	979	rBV4	1125	1697	0.01%	0.002%
25	7.945	986	991	992	rBV3	2290	2918	0.01%	0.003%
26	8.025	1000	1004	1007	rBV3	595	969	0.00%	0.001%
27	8.275	1032	1045	1061	rBV2	579604	1809906	7.61%	2.101%
28	8.616	1098	1101	1102	rBV	1316	1388	0.01%	0.002%
29	8.689	1107	1113	1120	rVB6	1331	3356	0.01%	0.004%
30	8.842	1128	1138	1147	rBV	713777	1378907	5.80%	1.601%
31	8.909	1147	1149	1152	rVB4	1460	1277	0.01%	0.001%
32	9.031	1165	1169	1170	rBV3	1523	1971	0.01%	0.002%
33	9.091	1170	1179	1186	rVB8	9750	24545	0.10%	0.028%
34	9.274	1199	1209	1220	rBV	453436	913362	3.84%	1.060%

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35	9.591	1259	1261	1265	rVV3	811	1149	0.00%	0.001%
36	9.665	1265	1273	1279	rVV6	3121	7690	0.03%	0.009%
37	9.750	1284	1287	1289	rVV3	1383	1982	0.01%	0.002%
38	9.811	1294	1297	1301	rVB2	895	1411	0.01%	0.002%
39	9.884	1304	1309	1317	rBV5	3476	8435	0.04%	0.010%
40	10.036	1325	1334	1344	rBV	209171	386680	1.63%	0.449%
41	10.250	1364	1369	1373	rVB6	2408	3731	0.02%	0.004%
42	10.323	1373	1381	1387	rBV	727135	1265981	5.33%	1.470%
43	10.384	1387	1391	1400	rVB	221149	392854	1.65%	0.456%
44	10.500	1405	1410	1412	rBV4	839	1494	0.01%	0.002%
45	10.579	1416	1423	1430	rBV	137527	247533	1.04%	0.287%
46	10.707	1439	1444	1449	rVB4	7622	14187	0.06%	0.016%
47	10.762	1449	1453	1454	rBV3	1344	1477	0.01%	0.002%
48	10.774	1454	1455	1458	rVB2	1178	938	0.00%	0.001%
49	10.859	1463	1469	1474	rBV2	37978	67664	0.28%	0.079%
50	10.927	1474	1480	1491	rVB	285322	465700	1.96%	0.541%
51	11.079	1499	1505	1512	rVB7	4166	10265	0.04%	0.012%
52	11.164	1515	1519	1521	rBV4	942	1631	0.01%	0.002%
53	11.231	1527	1530	1533	rVB5	1461	1433	0.01%	0.002%
54	11.262	1533	1535	1540	rBV4	1172	1610	0.01%	0.002%
55	11.634	1588	1596	1606	rVV	876383	1506048	6.34%	1.749%
56	11.731	1608	1612	1617	rVV2	11995	22746	0.10%	0.026%
57	11.841	1623	1630	1639	rVV2	55931	115447	0.49%	0.134%
58	11.908	1639	1641	1645	rVB4	1289	1673	0.01%	0.002%
59	11.993	1653	1655	1657	rBV3	1071	939	0.00%	0.001%
60	12.042	1662	1663	1669	rVB5	2196	2456	0.01%	0.003%
61	12.170	1676	1684	1693	rBV2	1625552	2850265	11.99%	3.309%
62	12.353	1706	1714	1724	rBV2	9625	30961	0.13%	0.036%
63	12.609	1751	1756	1761	rBV2	25670	43516	0.18%	0.051%
64	12.694	1763	1770	1776	rVV	322733	526304	2.21%	0.611%
65	12.871	1793	1799	1800	rBV	81525	119339	0.50%	0.139%
66	12.902	1800	1804	1807	rVV	360115	571145	2.40%	0.663%
67	12.944	1807	1811	1819	rVB	1518289	2257803	9.50%	2.621%
68	13.103	1831	1837	1845	rBV	858507	1429701	6.02%	1.660%
69	13.255	1857	1862	1864	rBV	140059	204301	0.86%	0.237%
70	13.304	1864	1870	1875	rVV	2872866	4358105	18.34%	5.060%
71	13.353	1875	1878	1886	rVB	609999	974204	4.10%	1.131%

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72	13.444	1889	1893	1897	rVB	63293	90927	0.38%	0.106%
73	13.499	1900	1902	1906	rVB	62856	75692	0.32%	0.088%
74	13.591	1906	1917	1931	rVB3	2703709	5472643	23.02%	6.354%
75	13.719	1934	1938	1940	rBV2	94176	139908	0.59%	0.162%
76	13.761	1940	1945	1949	rBV	1091350	1825662	7.68%	2.120%
77	13.853	1955	1960	1968	rBV	506198	979965	4.12%	1.138%
78	13.938	1968	1974	1984	rVB	3651359	6009811	25.28%	6.978%
79	14.036	1986	1990	1994	rBV2	200356	356326	1.50%	0.414%
80	14.103	1997	2001	2004	rVB	169326	227685	0.96%	0.264%
81	14.158	2004	2010	2014	rBV	186996	357157	1.50%	0.415%
82	14.237	2014	2023	2028	rVV2	682227	1275635	5.37%	1.481%
83	14.341	2036	2040	2044	rVB	170875	250119	1.05%	0.290%
84	14.389	2044	2048	2049	rBV2	62344	74261	0.31%	0.086%
85	14.420	2049	2053	2056	rVV	321130	488253	2.05%	0.567%
86	14.462	2056	2060	2064	rVV2	580791	963920	4.06%	1.119%
87	14.505	2064	2067	2071	rVV	325662	469454	1.98%	0.545%
88	14.560	2071	2076	2080	rVB3	319958	502606	2.11%	0.584%
89	14.694	2094	2098	2102	rBV	100784	150019	0.63%	0.174%
90	14.798	2109	2115	2122	rBV2	964699	1903164	8.01%	2.210%
91	14.877	2122	2128	2135	rVB2	900766	1533007	6.45%	1.780%
92	14.956	2135	2141	2152	rBV	2611326	4294317	18.07%	4.986%
93	15.066	2154	2159	2163	rBV3	167418	315559	1.33%	0.366%
94	15.182	2173	2178	2183	rBV3	105423	220700	0.93%	0.256%
95	15.322	2196	2201	2203	rBV3	226475	398356	1.68%	0.463%
96	15.371	2203	2209	2220	rVB	13527693	23768718	100.00%	27.596%
97	15.474	2221	2226	2239	rVB3	192119	515217	2.17%	0.598%
98	15.974	2301	2308	2313	rBV3	233971	580900	2.44%	0.674%
99	16.450	2379	2386	2393	rBV	2138020	4338351	18.25%	5.037%
100	16.651	2411	2419	2429	rVB	2070656	4482603	18.86%	5.204%

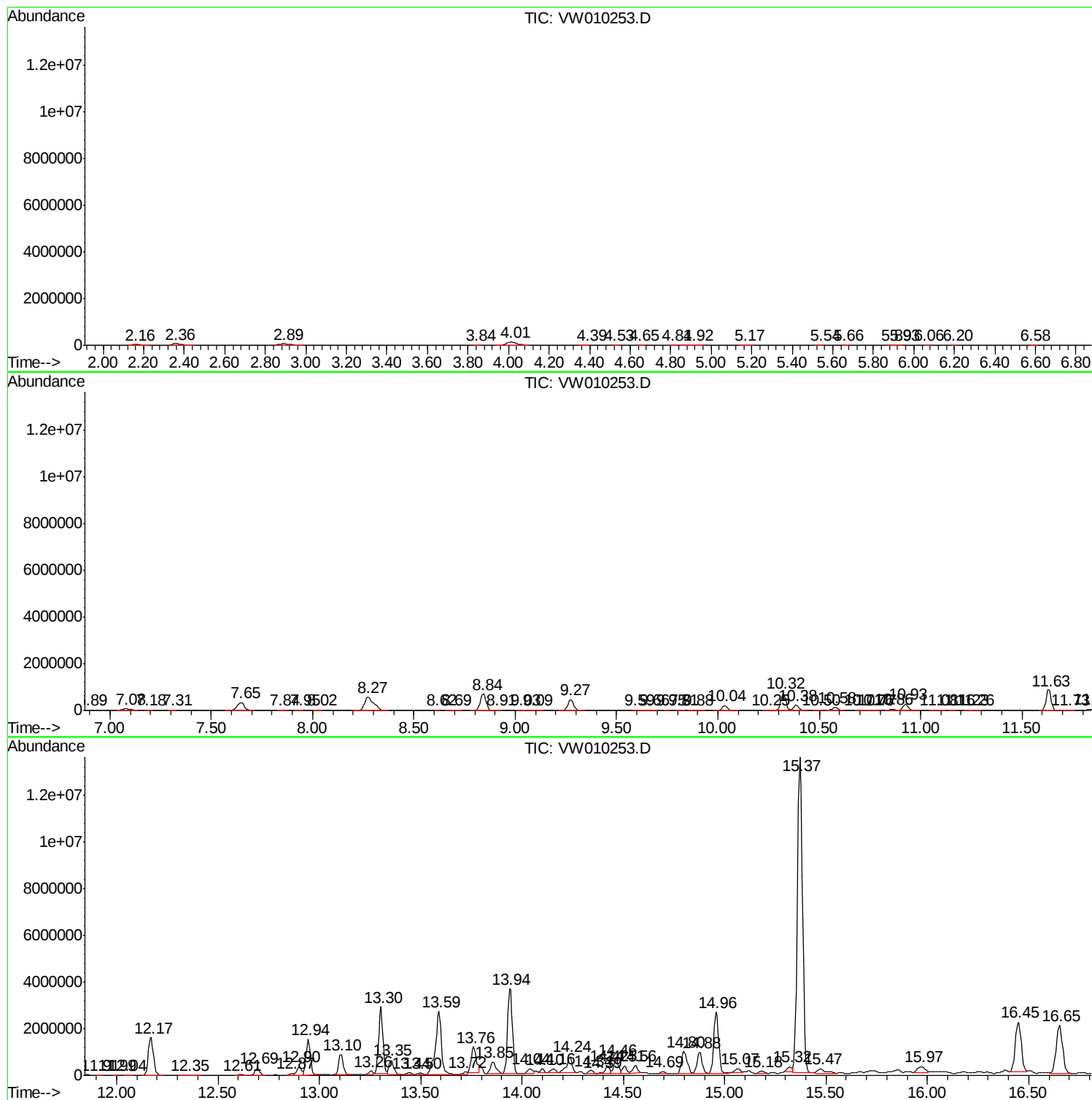
Sum of corrected areas: 86130747

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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



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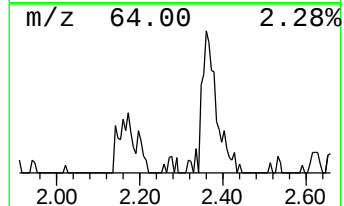
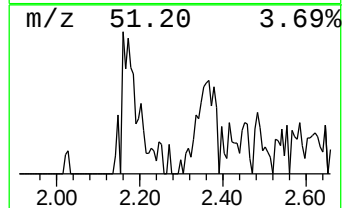
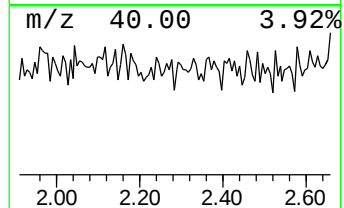
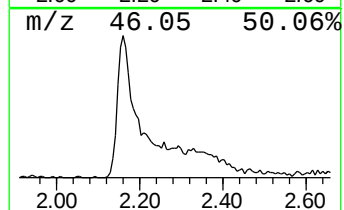
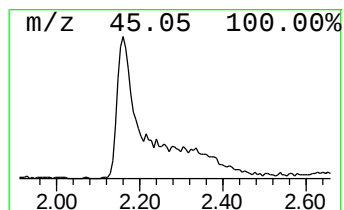
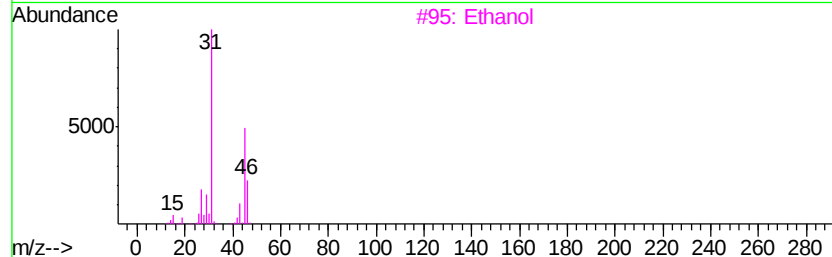
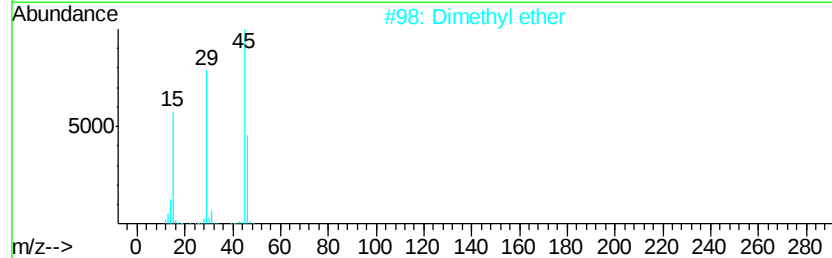
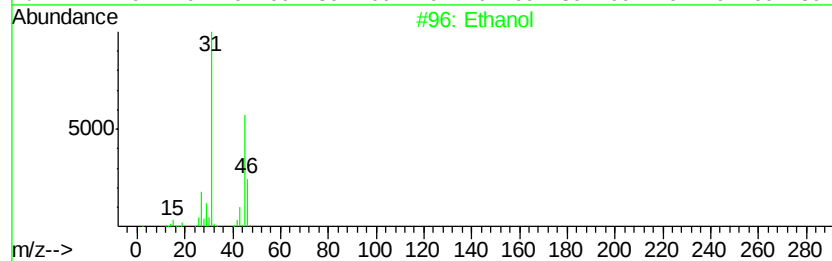
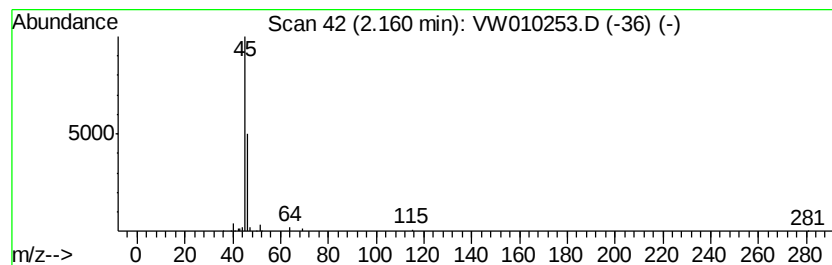
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 1 Dimethyl ether Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	1.42 ug/L	78198	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanol	46	C2H6O	000064-17-5	9
2		Dimethyl ether	46	C2H6O	000115-10-6	9
3		Ethanol	46	C2H6O	000064-17-5	9
4		Dimethyl ether	46	C2H6O	000115-10-6	9
5		Hydrazine, methyl-	46	CH6N2	000060-34-4	7



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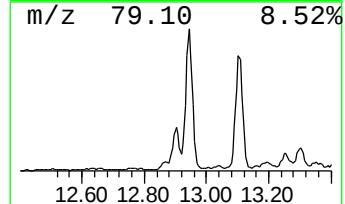
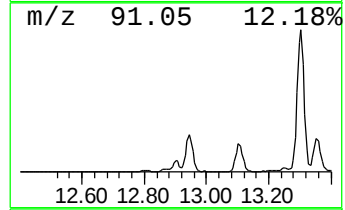
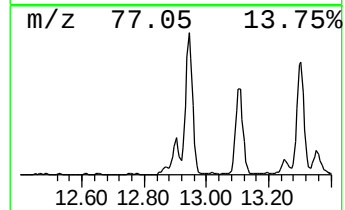
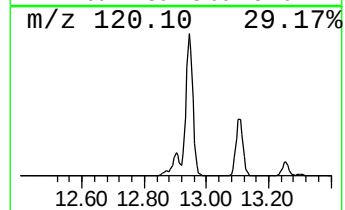
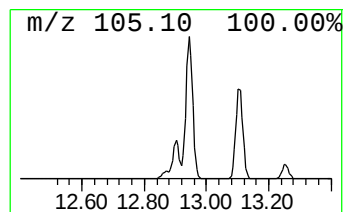
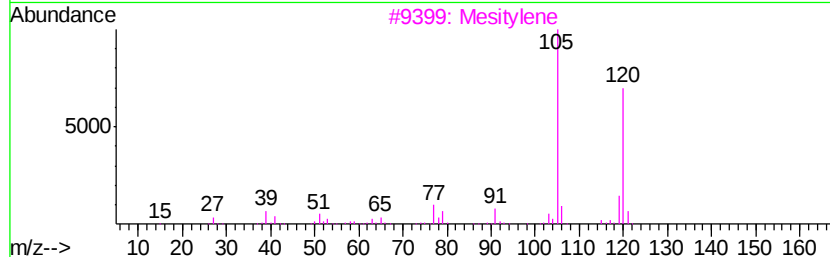
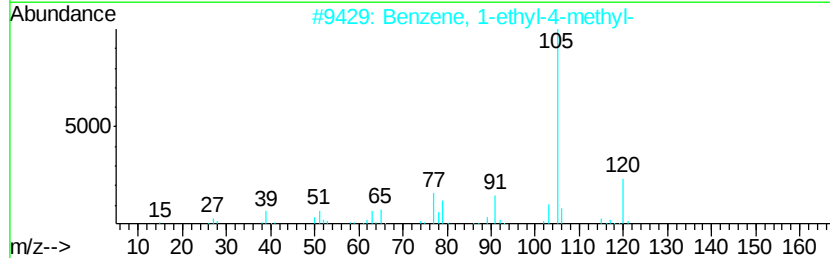
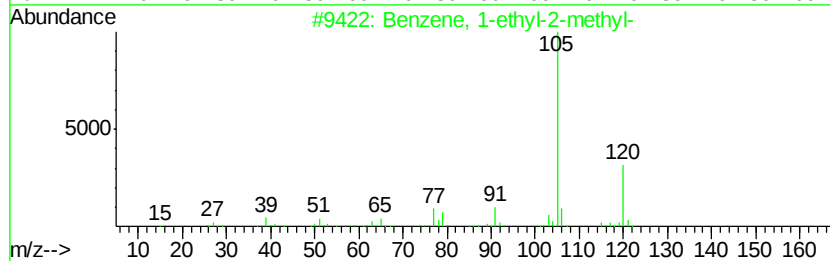
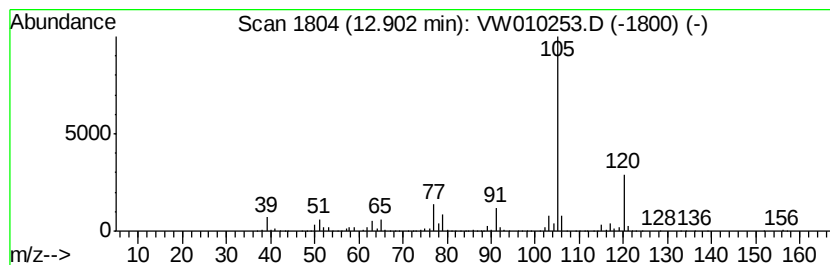
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Quant Title : VOC Analysis

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

Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	2.61 ug/L	571145	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	94
2		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3		Mesitylene	120	C9H12	000108-67-8	91
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



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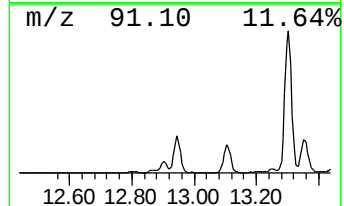
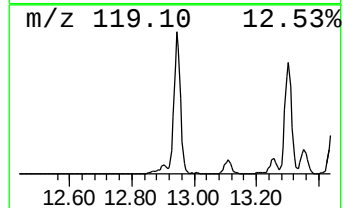
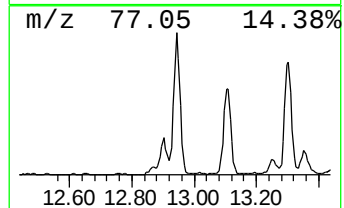
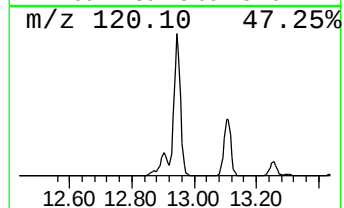
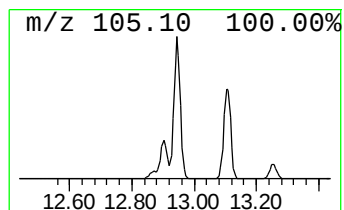
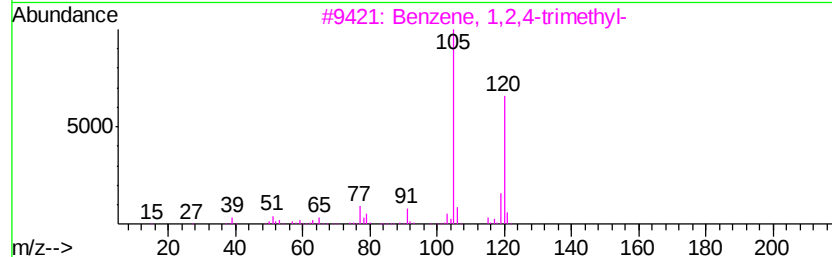
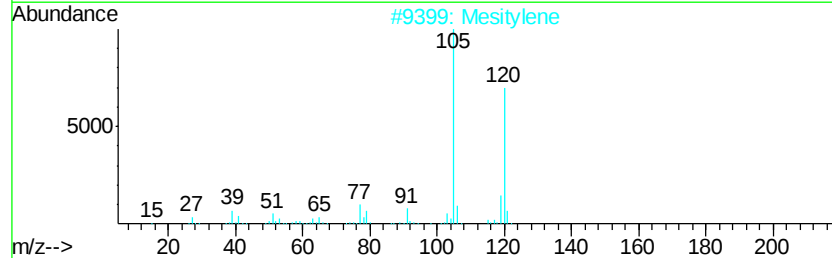
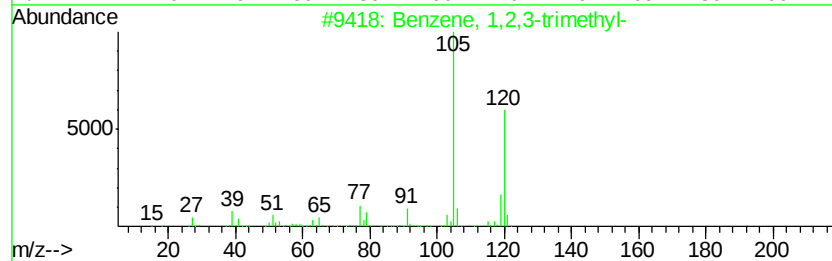
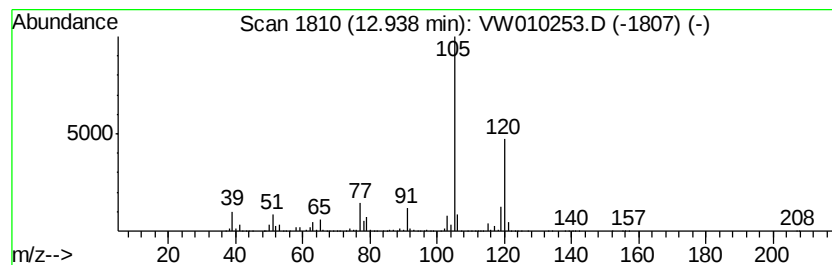
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TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	10.31 ug/L	2257800	1,4-Dichlorobenzene-d4	13.56

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW050119\
Data File : VW010253.D
Acq On : 01 May 2019 19:40
Operator : SY/VA
Sample : K2604-10
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

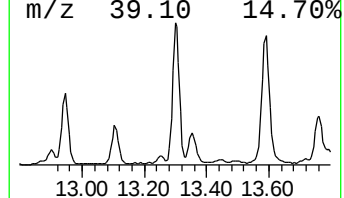
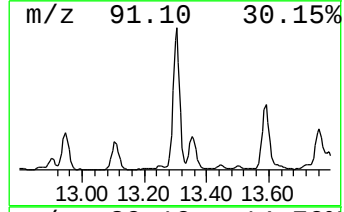
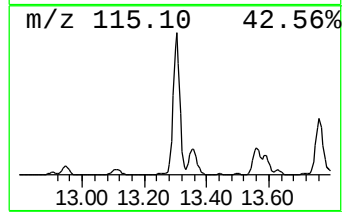
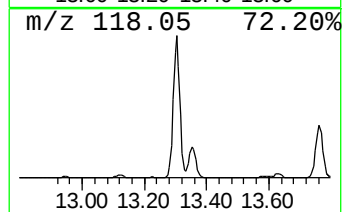
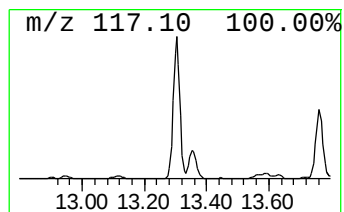
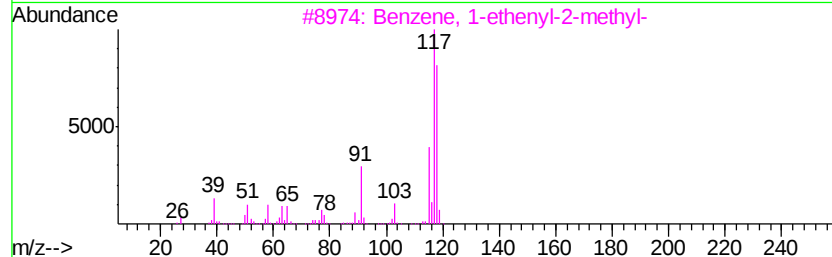
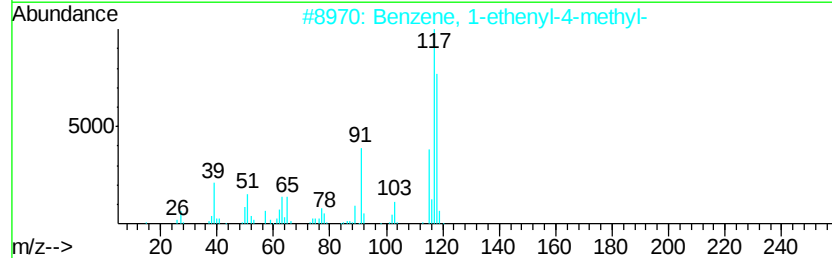
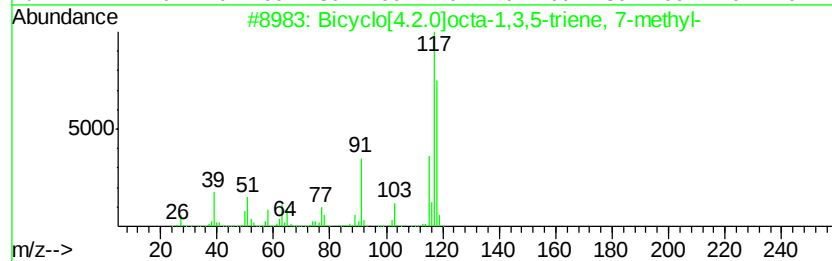
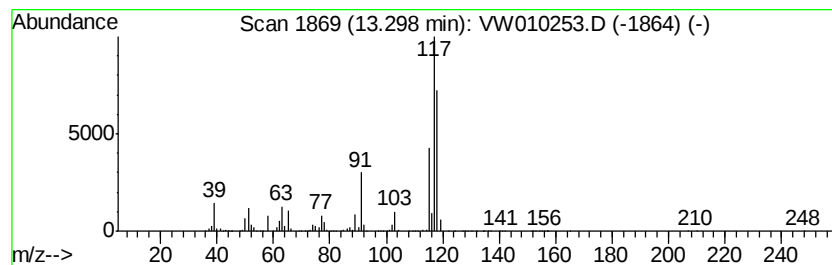
Instrument :
MSVOA_W
ClientSampleId :
GAJ84

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 6 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	19.91 ug/L	4358110	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Bicyclo[4.2.0]octa-1,3,5-triene,...	118 C9H10	055337-80-9 96
2		Benzene, 1-ethenyl-4-methyl-	118 C9H10	000622-97-9 95
3		Benzene, 1-ethenyl-2-methyl-	118 C9H10	000611-15-4 95
4		Benzene, cyclopropyl-	118 C9H10	000873-49-4 94
5		Benzene, 1-ethenyl-2-methyl-	118 C9H10	000611-15-4 94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW050119\
Data File : VW010253.D
Acq On : 01 May 2019 19:40
Operator : SY/VA
Sample : K2604-10
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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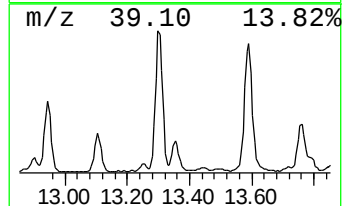
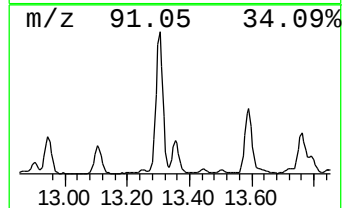
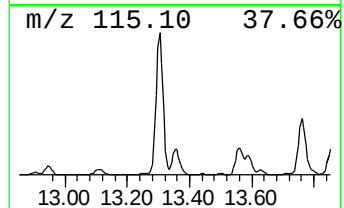
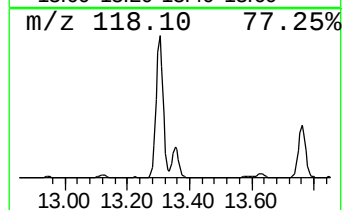
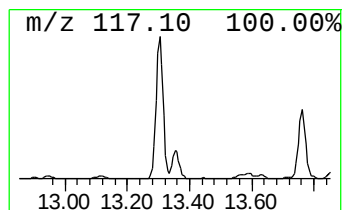
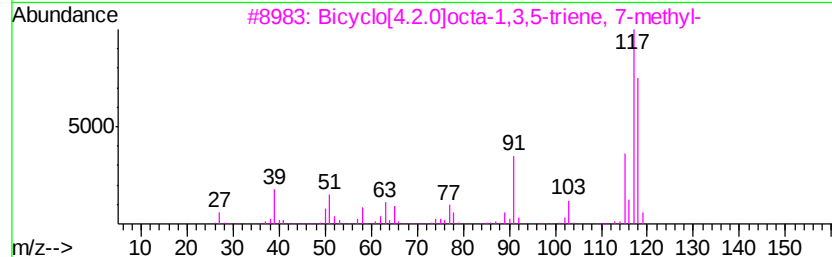
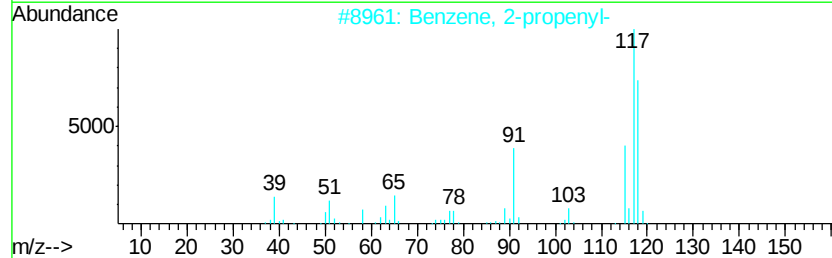
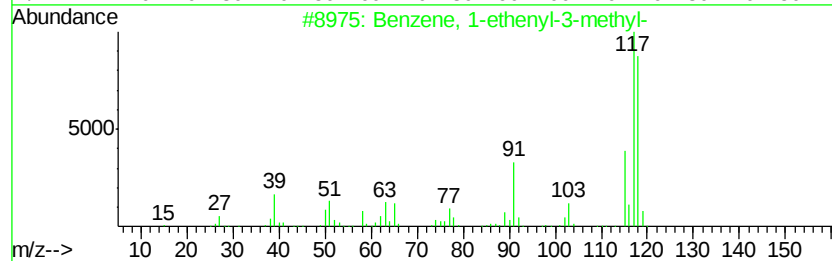
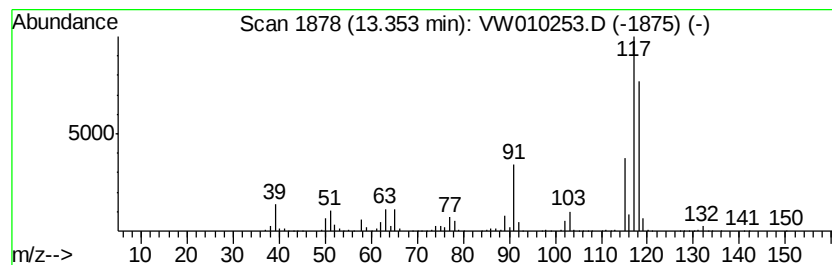
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Quant Title : VOC Analysis

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

Peak Number 7 Benzene, 1-ethenyl-3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	4.45 ug/L	974204	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, 2-propenyl-	118	C9H10	000300-57-2	95
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	95
4		Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
5		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW050119\
Data File : VW010253.D
Acq On : 01 May 2019 19:40
Operator : SY/VA
Sample : K2604-10
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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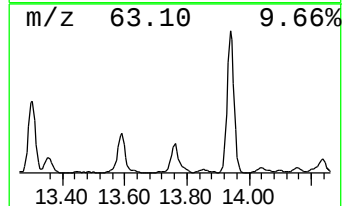
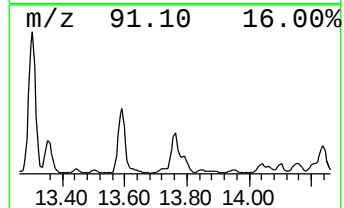
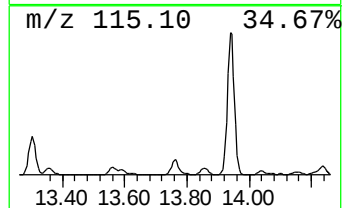
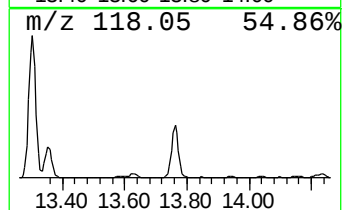
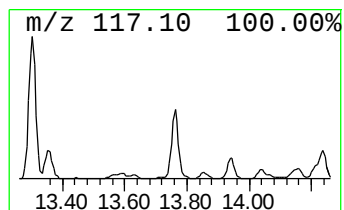
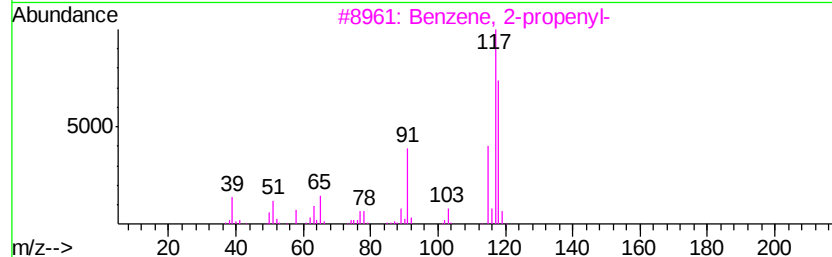
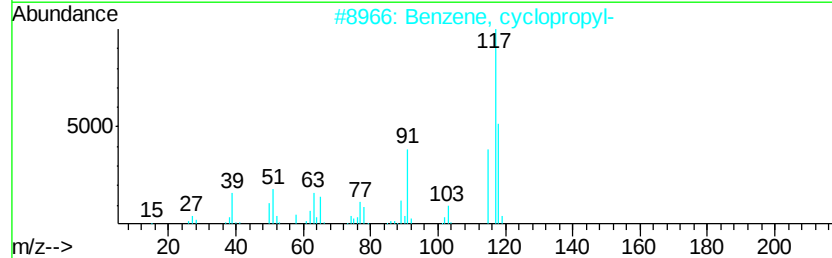
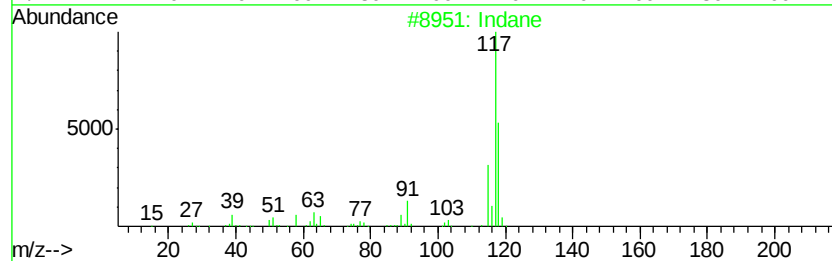
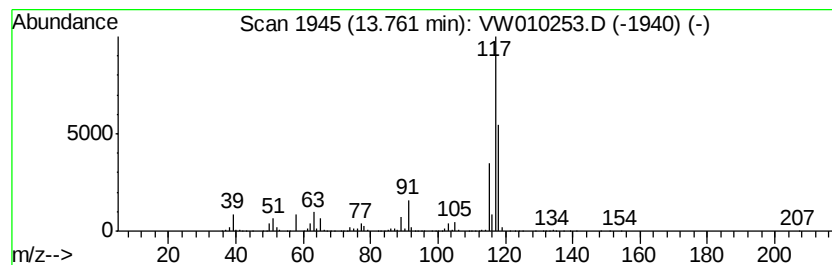
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Quant Title : VOC Analysis

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

Peak Number 8 Indane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	8.34 ug/L	1825660	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane		118	C9H10	000496-11-7	91
2	Benzene, cyclopropyl-		118	C9H10	000873-49-4	81
3	Benzene, 2-propenyl-		118	C9H10	000300-57-2	72
4	Indane		118	C9H10	000496-11-7	64
5	Benzene, 1-ethenyl-2-methyl-		118	C9H10	000611-15-4	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW050119\
Data File : VW010253.D
Acq On : 01 May 2019 19:40
Operator : SY/VA
Sample : K2604-10
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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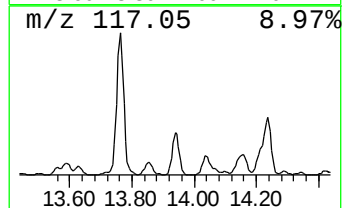
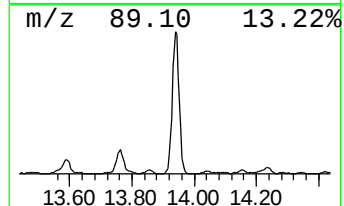
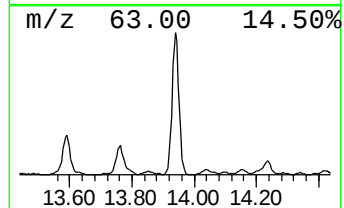
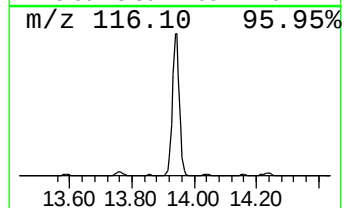
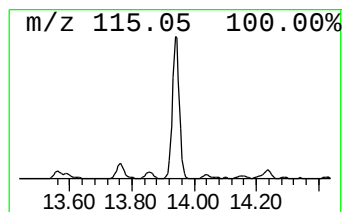
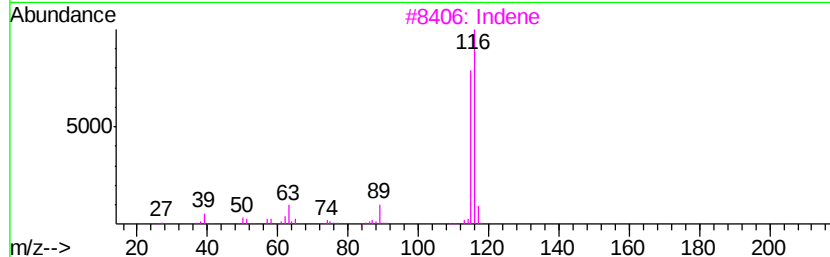
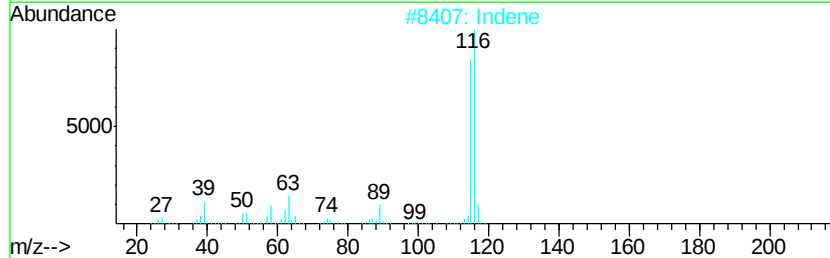
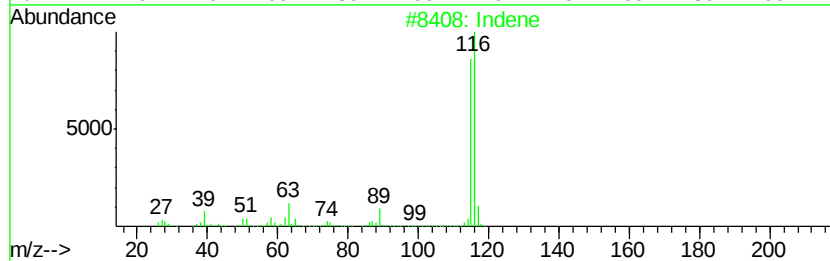
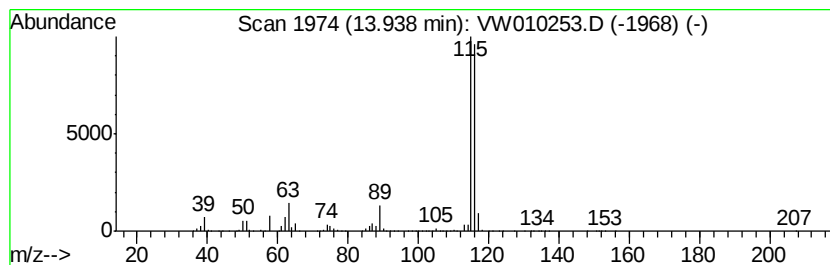
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Quant Title : VOC Analysis

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

Peak Number 9 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	27.45 ug/L	6009810	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene		116	C9H8	000095-13-6	96
2	Indene		116	C9H8	000095-13-6	96
3	Indene		116	C9H8	000095-13-6	95
4	3-Methylphenylacetylene		116	C9H8	000766-82-5	91
5	Benzene, 1-propynyl-		116	C9H8	000673-32-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW050119\
Data File : VW010253.D
Acq On : 01 May 2019 19:40
Operator : SY/VA
Sample : K2604-10
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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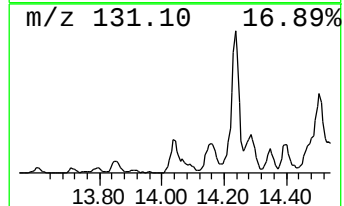
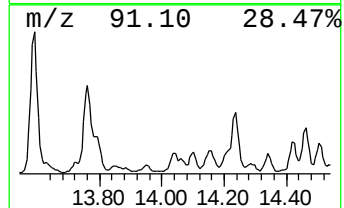
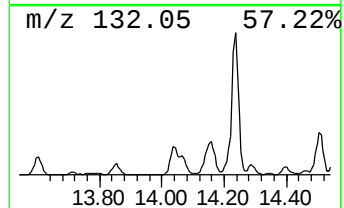
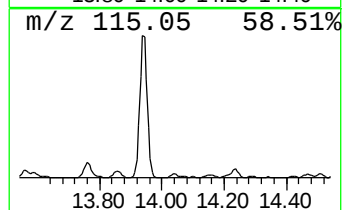
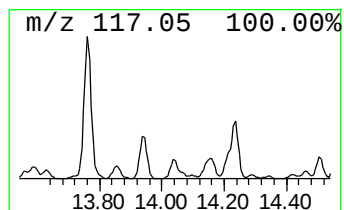
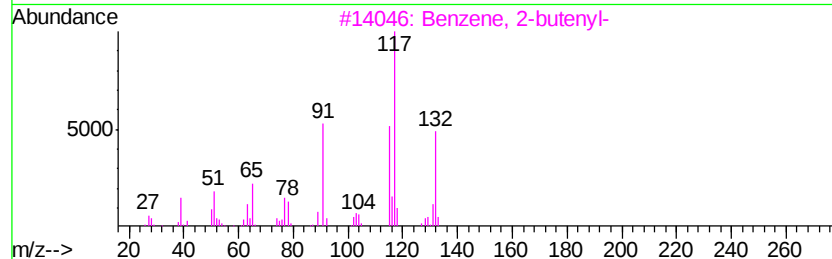
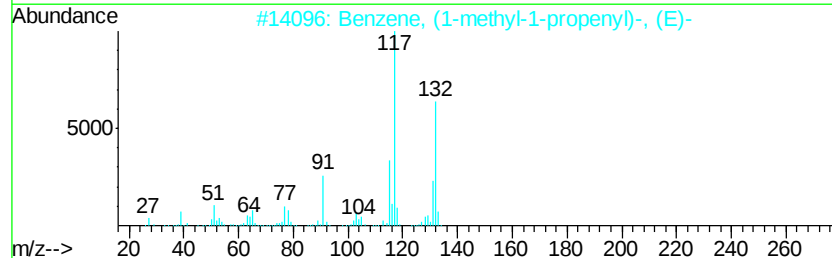
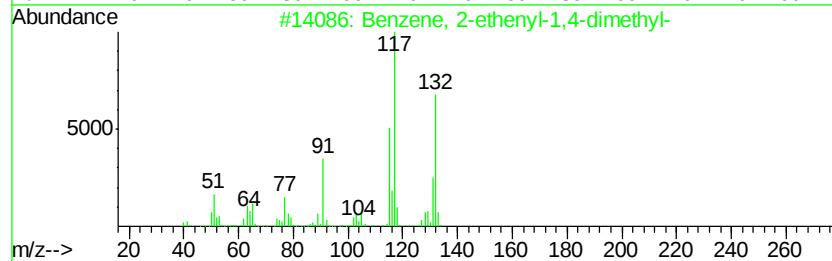
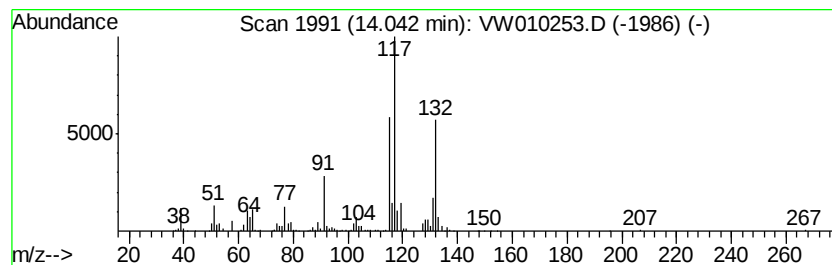
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Quant Title : VOC Analysis

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

Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	1.63 ug/L	356326	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	96
2		Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000768-00-3	94
3		Benzene, 2-butenyl-	132	C10H12	001560-06-1	94
4		Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	94
5		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW050119\
Data File : VW010253.D
Acq On : 01 May 2019 19:40
Operator : SY/VA
Sample : K2604-10
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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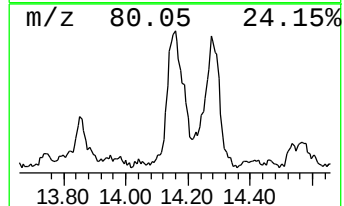
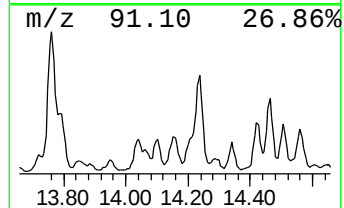
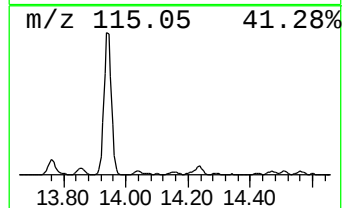
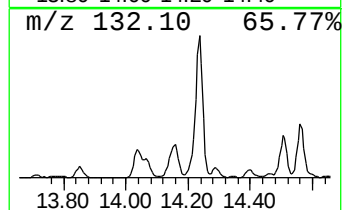
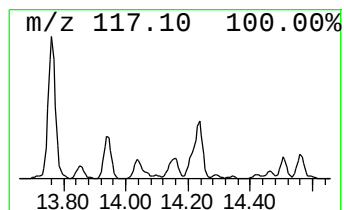
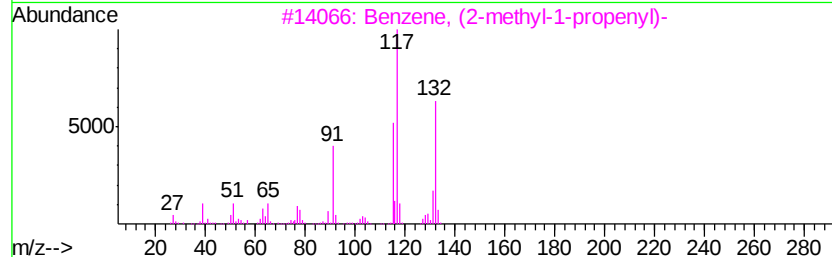
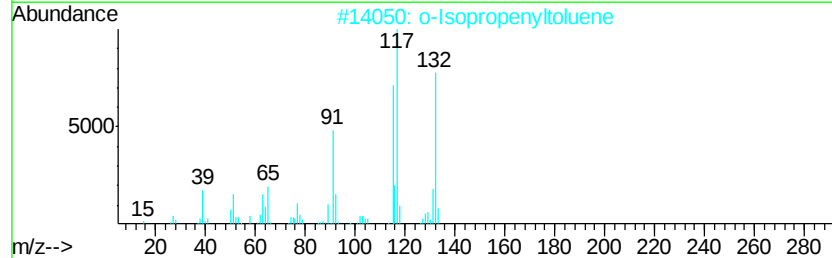
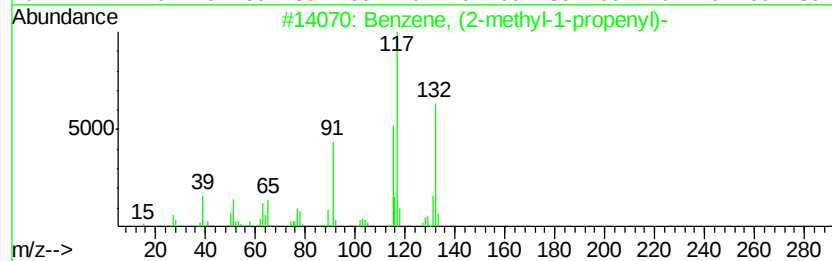
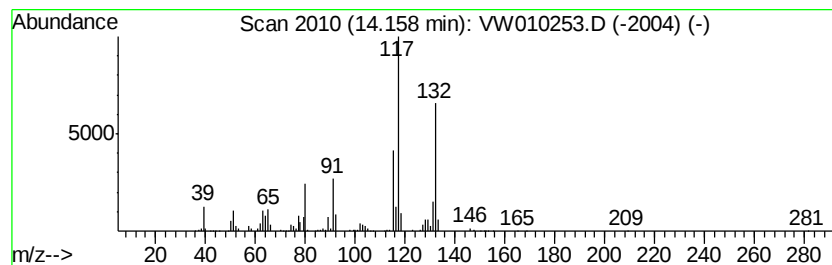
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Quant Title : VOC Analysis

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

Peak Number 11 Benzene, (2-methyl-1-propen... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	1.63 ug/L	357157	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94
2			o-Isopropenyltoluene	132	C10H12	007399-49-7	93
3			Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	93
4			Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	93
5			(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW050119\
Data File : VW010253.D
Acq On : 01 May 2019 19:40
Operator : SY/VA
Sample : K2604-10
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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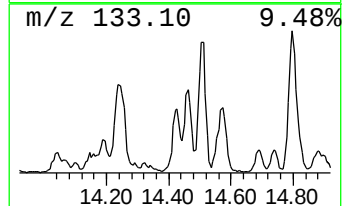
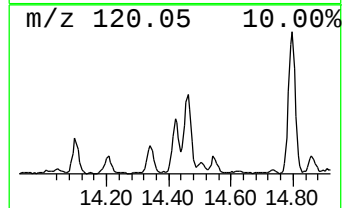
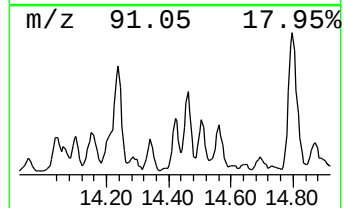
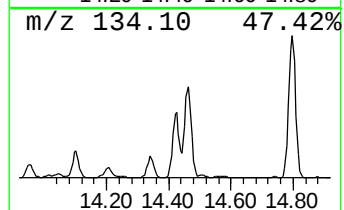
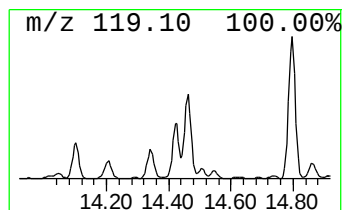
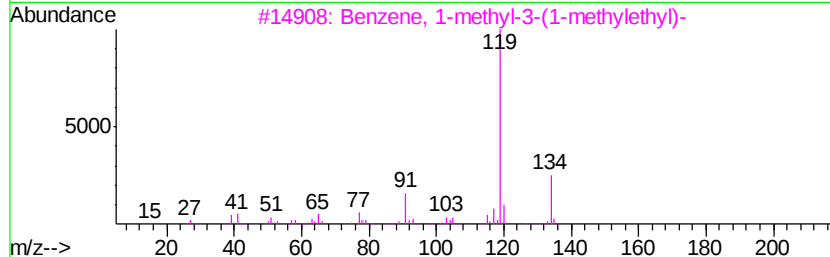
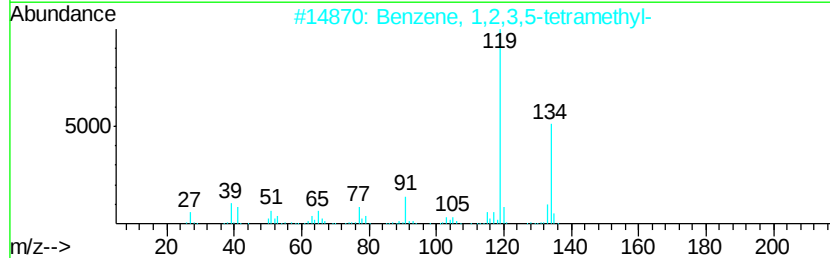
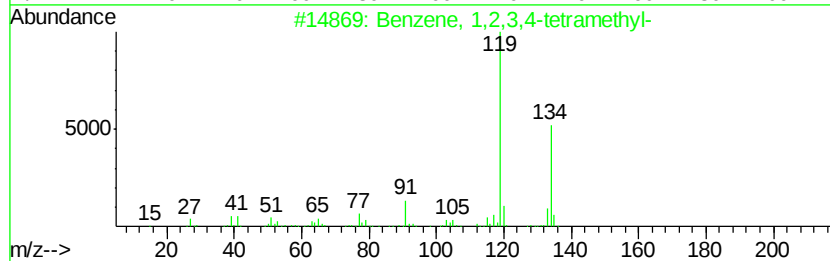
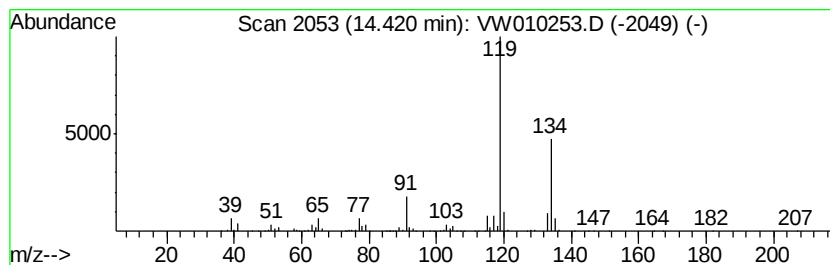
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Quant Title : VOC Analysis

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

Peak Number 13 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	2.23 ug/L	488253	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	94
2		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	91
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW050119\
Data File : VW010253.D
Acq On : 01 May 2019 19:40
Operator : SY/VA
Sample : K2604-10
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ84

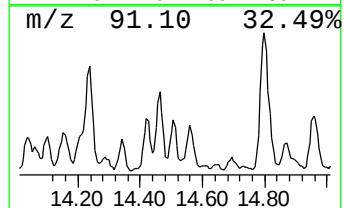
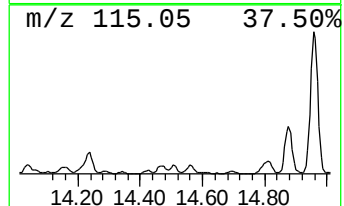
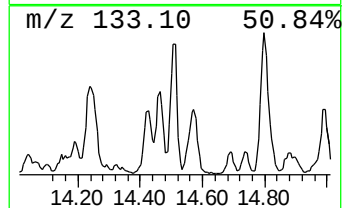
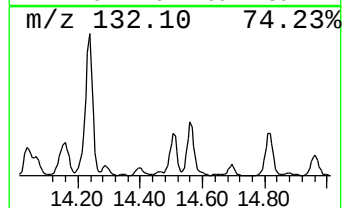
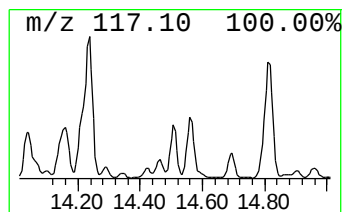
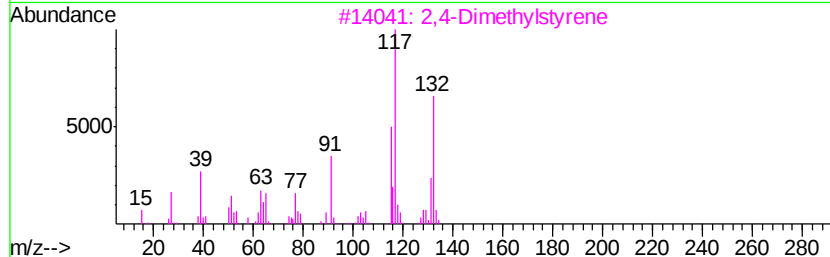
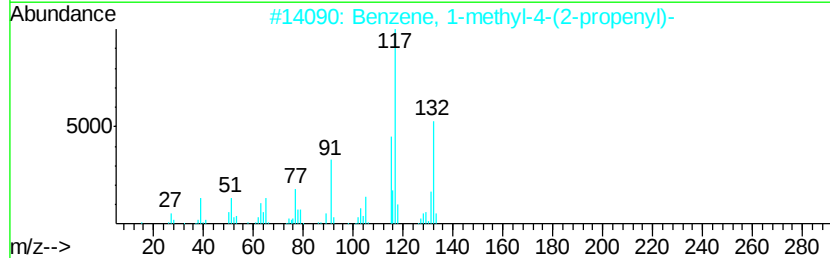
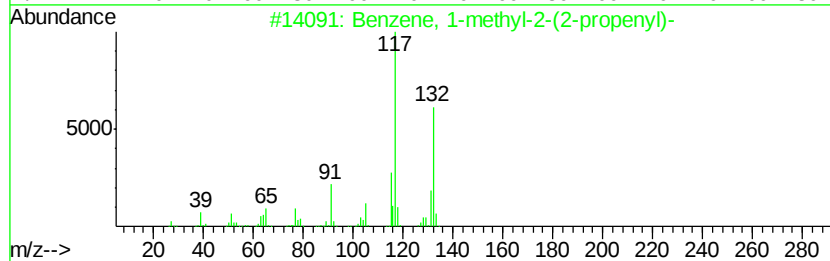
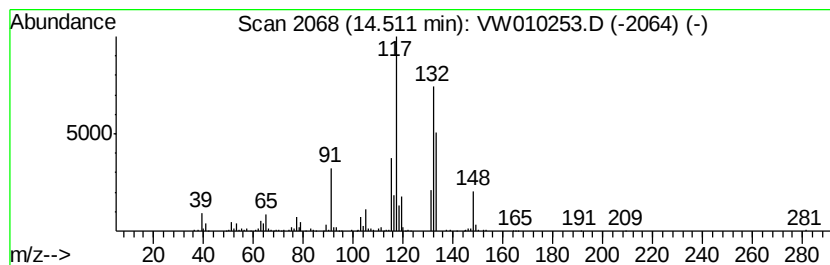
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Quant Title : VOC Analysis

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

Peak Number 15 Benzene, 1-methyl-2-(2-prop... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	2.14 ug/L	469454	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	93
2		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	89
3		2,4-Dimethylstyrene	132	C10H12	002234-20-0	86
4		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
5		Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW050119\
Data File : VW010253.D
Acq On : 01 May 2019 19:40
Operator : SY/VA
Sample : K2604-10
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

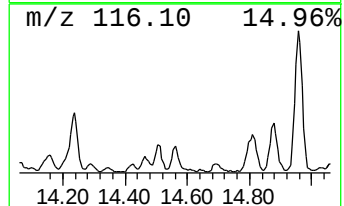
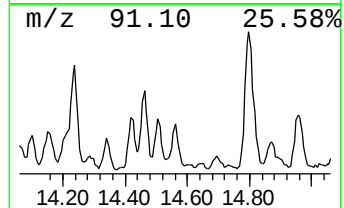
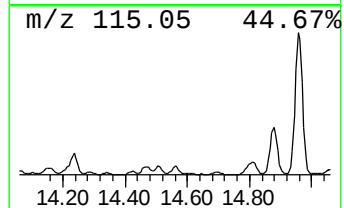
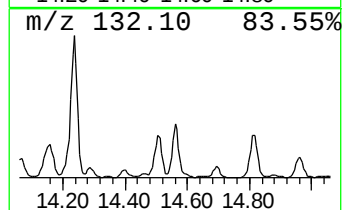
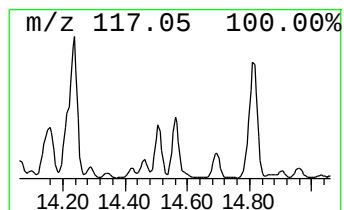
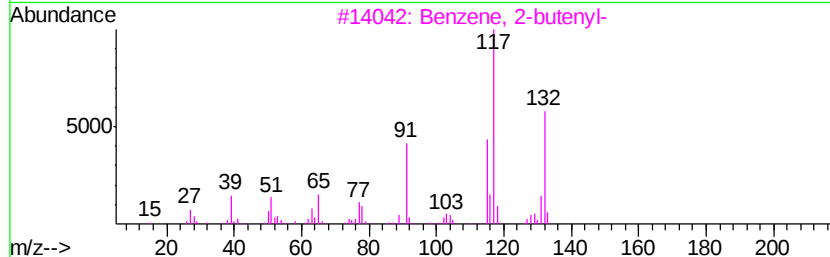
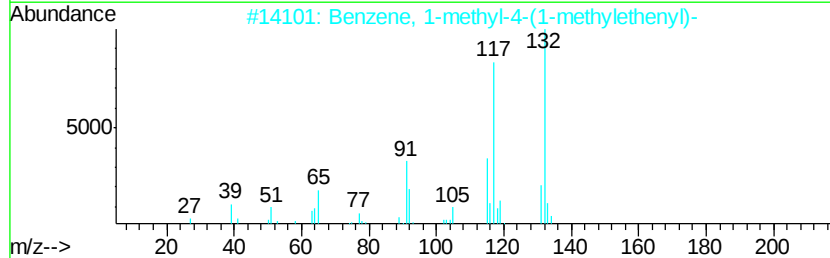
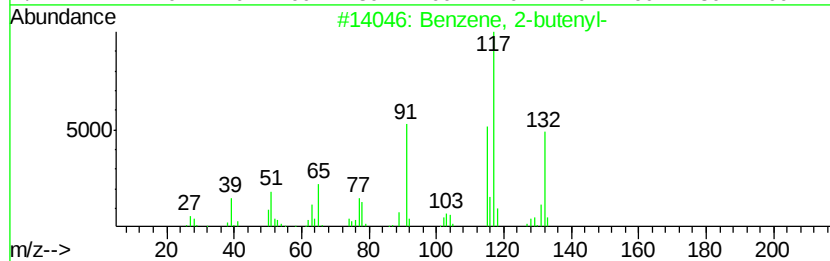
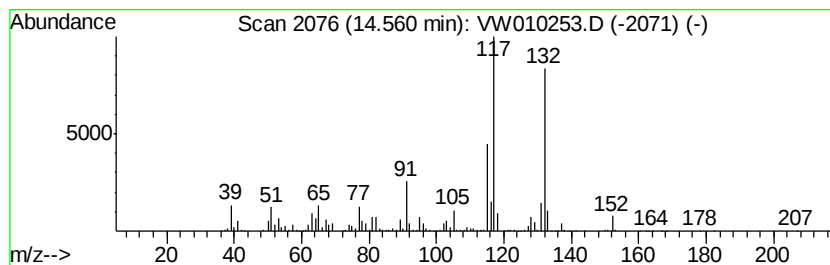
Instrument :
MSVOA_W
ClientSampleId :
GAJ84

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 16 Benzene, 2-butenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	2.30 ug/L	502606	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 2-butenyl-	132 C10H12	001560-06-1 94
2		Benzene, 1-methyl-4-(1-methyleth...	132 C10H12	001195-32-0 94
3		Benzene, 2-butenyl-	132 C10H12	001560-06-1 94
4		Benzene, 1-ethenyl-3,5-dimethyl-	132 C10H12	005379-20-4 93
5		Benzene, 2-ethenyl-1,3-dimethyl-	132 C10H12	002039-90-9 93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW050119\
Data File : VW010253.D
Acq On : 01 May 2019 19:40
Operator : SY/VA
Sample : K2604-10
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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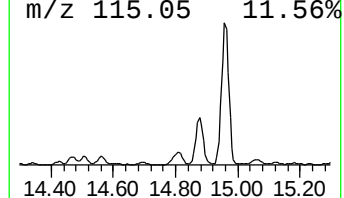
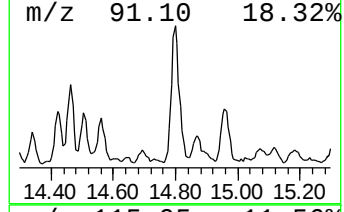
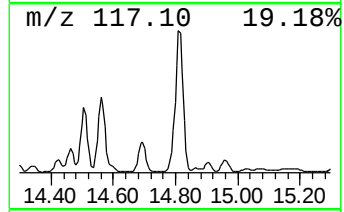
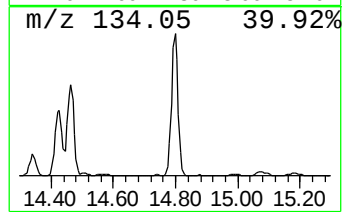
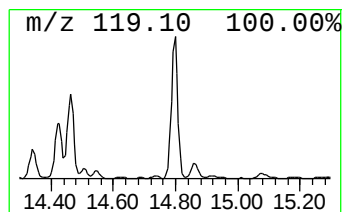
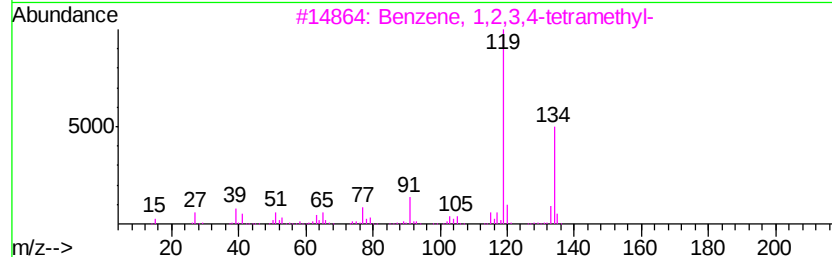
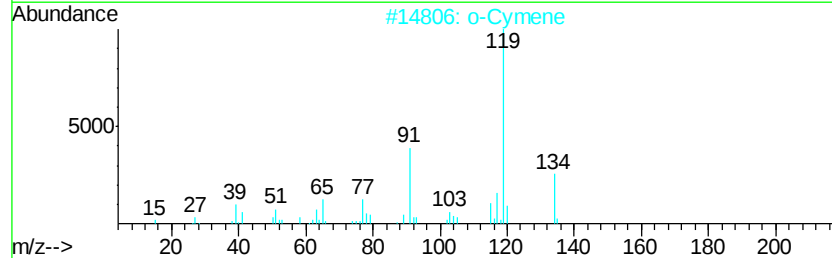
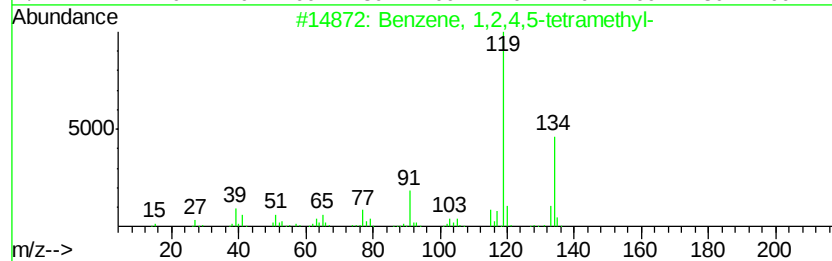
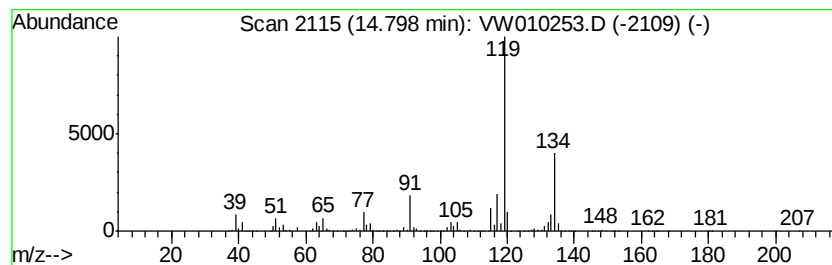
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Quant Title : VOC Analysis

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

Peak Number 17 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	8.69 ug/L	1903160	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		o-Cymene	134	C10H14	000527-84-4	94
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5		p-Cymene	134	C10H14	000099-87-6	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW050119\
Data File : VW010253.D
Acq On : 01 May 2019 19:40
Operator : SY/VA
Sample : K2604-10
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ84

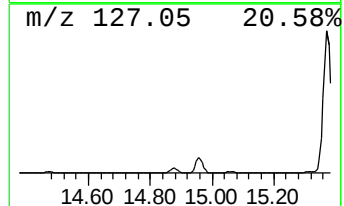
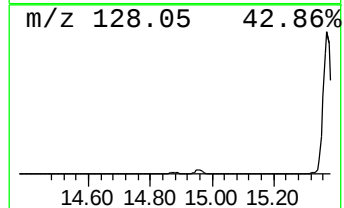
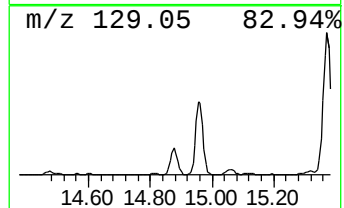
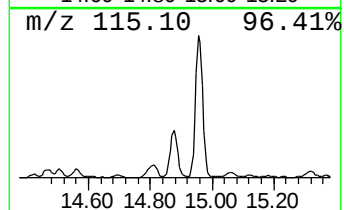
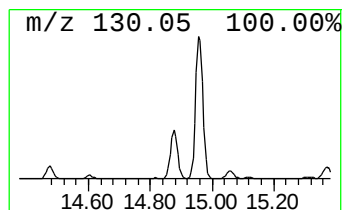
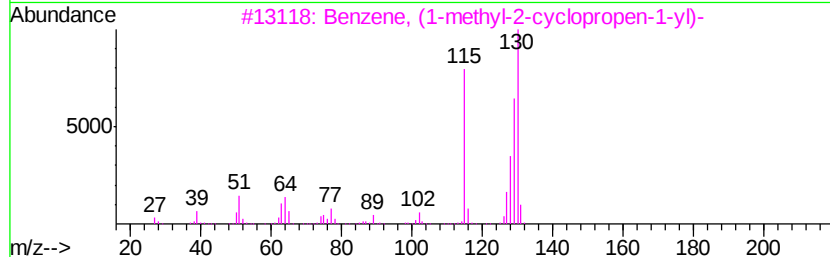
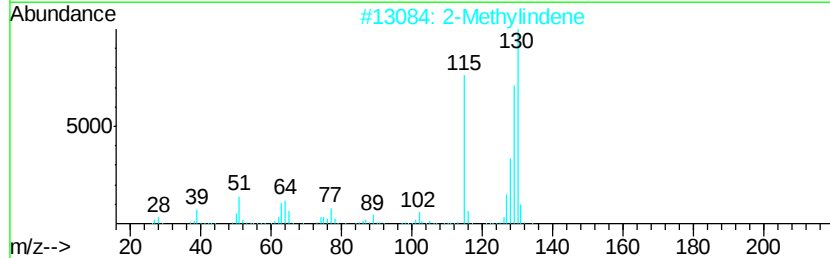
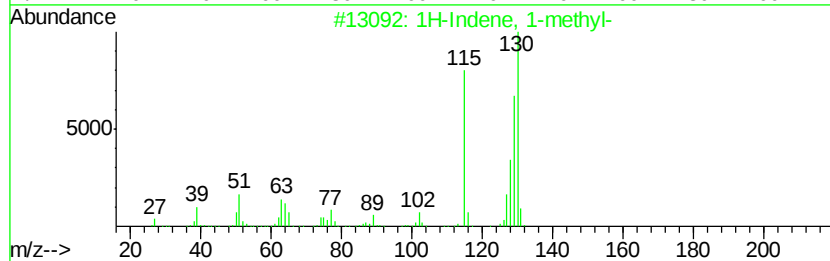
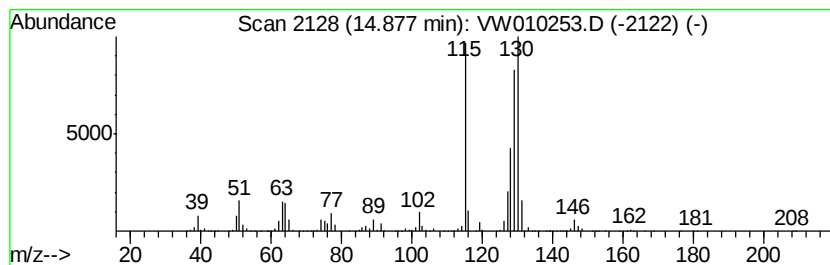
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Quant Title : VOC Analysis

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

Peak Number 18 1H-Indene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	7.00 ug/L	1533010	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		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
5		Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW050119\
Data File : VW010253.D
Acq On : 01 May 2019 19:40
Operator : SY/VA
Sample : K2604-10
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ84

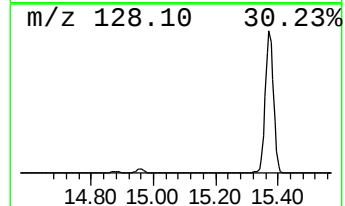
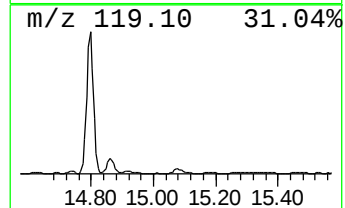
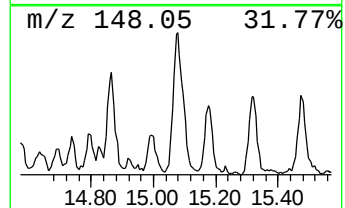
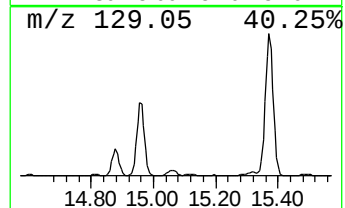
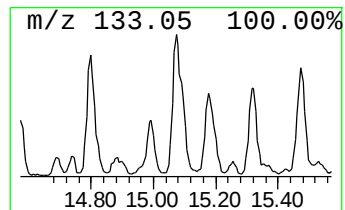
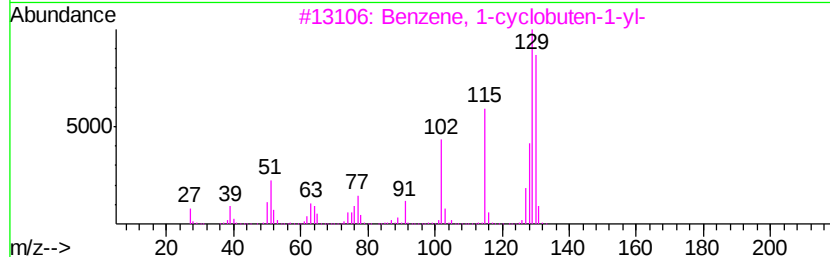
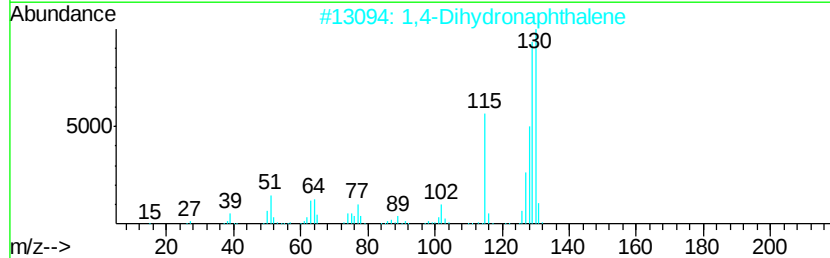
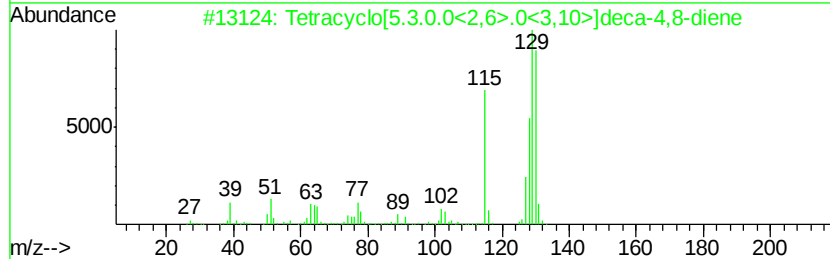
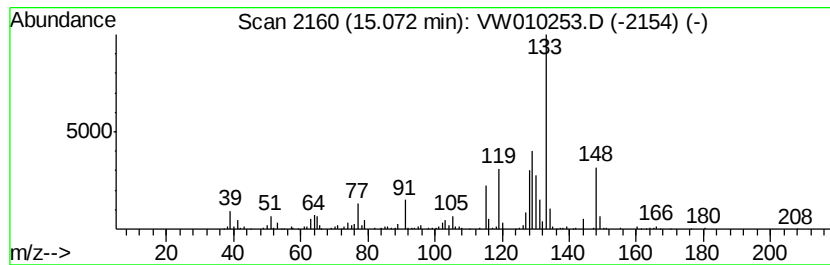
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Quant Title : VOC Analysis

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

Peak Number 20 Tetracyclo[5.3.0.0<2,6>.0<3... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	1.44 ug/L	315559	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	89
2		1,4-Dihydronaphthalene	130	C10H10	000612-17-9	89
3		Benzene, 1-cyclobuten-1-yl-	130	C10H10	003365-26-2	60
4		Benzene, (1-methylene-2-propenyl)-	130	C10H10	002288-18-8	53
5		Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW050119\
Data File : VW010253.D
Acq On : 01 May 2019 19:40
Operator : SY/VA
Sample : K2604-10
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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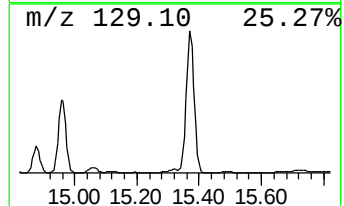
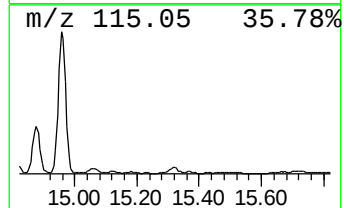
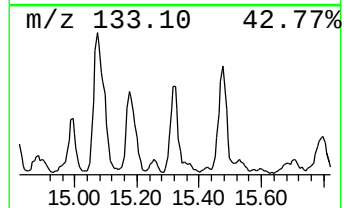
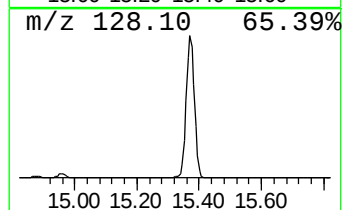
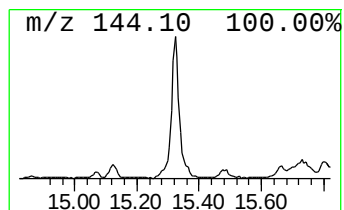
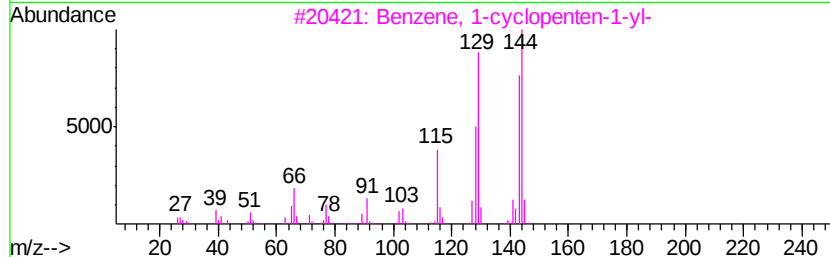
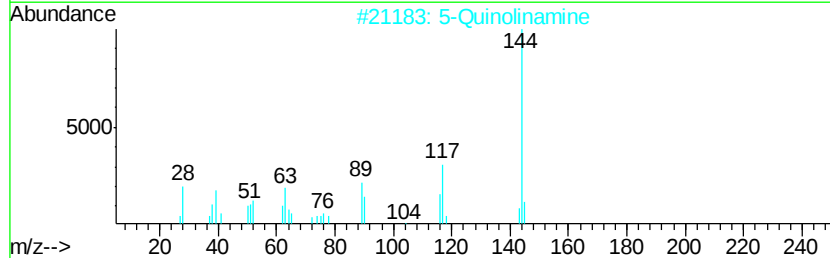
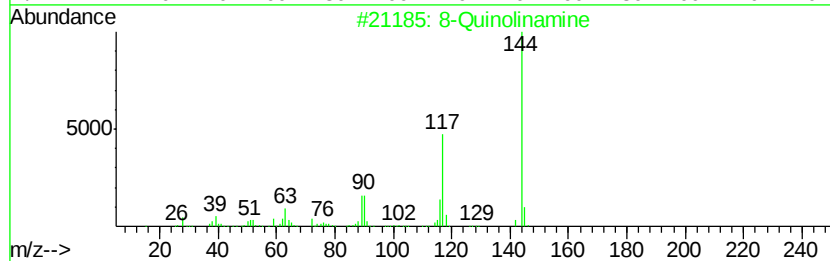
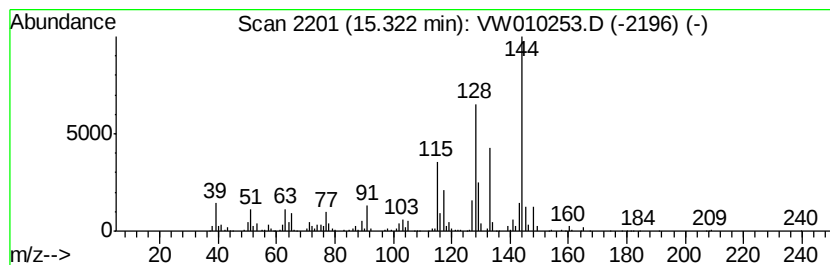
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Quant Title : VOC Analysis

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

Peak Number 21 unknown-01 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	1.82 ug/L	398356	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			8-Quinolinamine	144	C9H8N2	000578-66-5	46
2			5-Quinolinamine	144	C9H8N2	000611-34-7	43
3			Benzene, 1-cyclopenten-1-yl-	144	C11H12	000825-54-7	43
4			1H-Pyrazole, 1-phenyl-	144	C9H8N2	001126-00-7	43
5			1,8-Naphthyridine, 3-methyl-	144	C9H8N2	014759-22-9	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW050119\
Data File : VW010253.D
Acq On : 01 May 2019 19:40
Operator : SY/VA
Sample : K2604-10
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ84

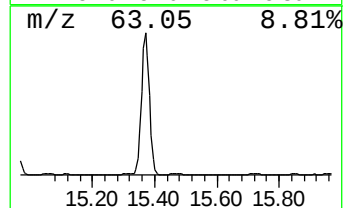
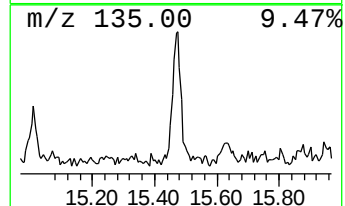
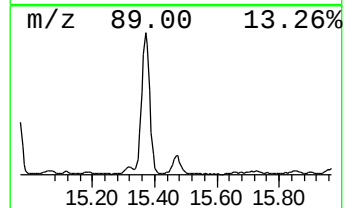
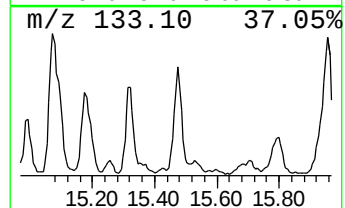
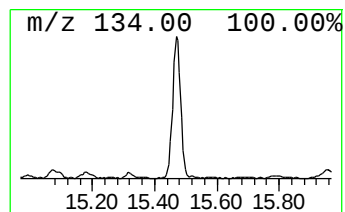
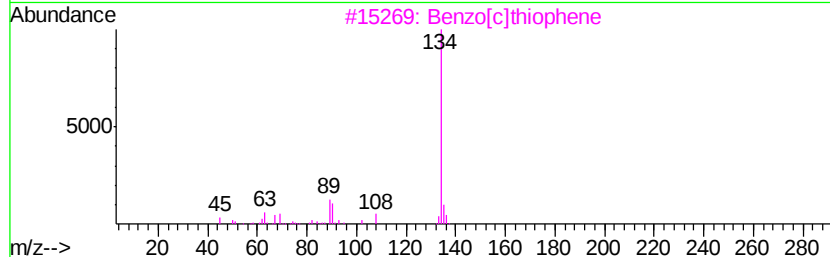
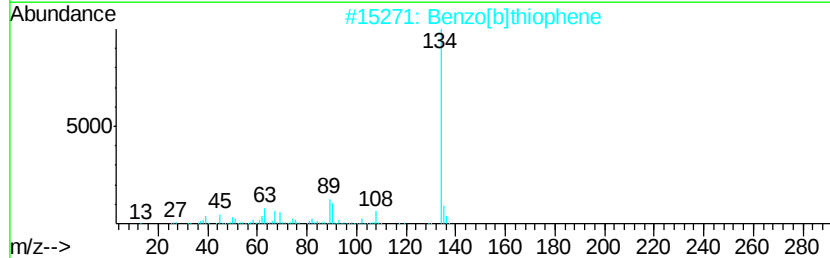
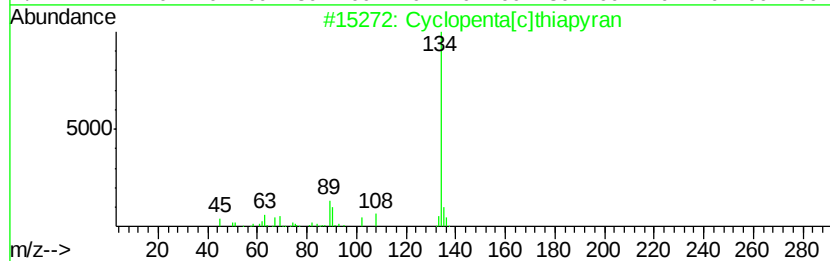
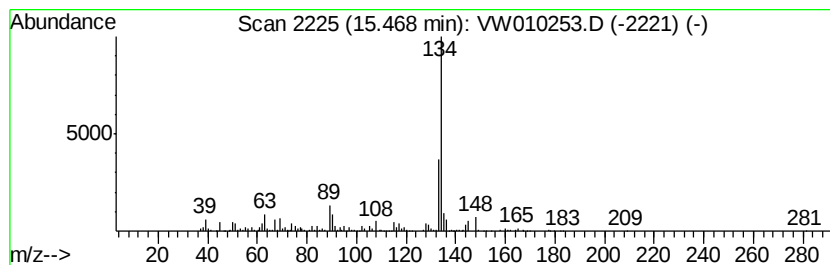
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Quant Title : VOC Analysis

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

Peak Number 23 Cyclopenta[c]thiapyran Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	2.35 ug/L	515217	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	91
2		Benzo[b]thiophene	134	C8H6S	000095-15-8	90
3		Benzo[c]thiophene	134	C8H6S	000270-82-6	90
4		Benzo[b]thiophene	134	C8H6S	000095-15-8	60
5		5,6,7,8-Tetrahydroquinoxaline	134	C8H10N2	034413-35-9	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW050119\
Data File : VW010253.D
Acq On : 01 May 2019 19:40
Operator : SY/VA
Sample : K2604-10
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ84

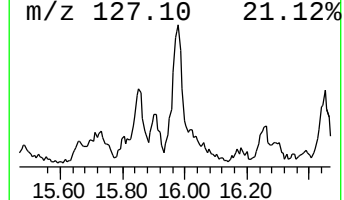
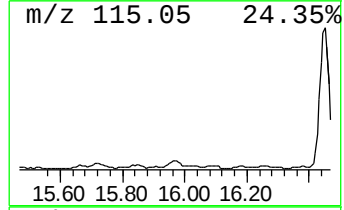
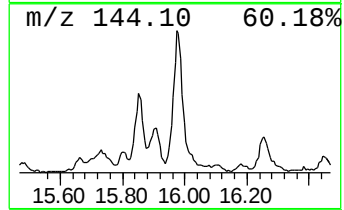
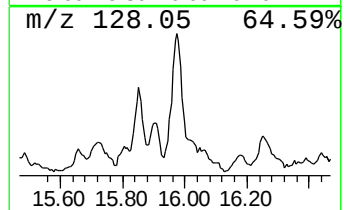
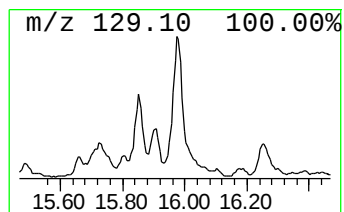
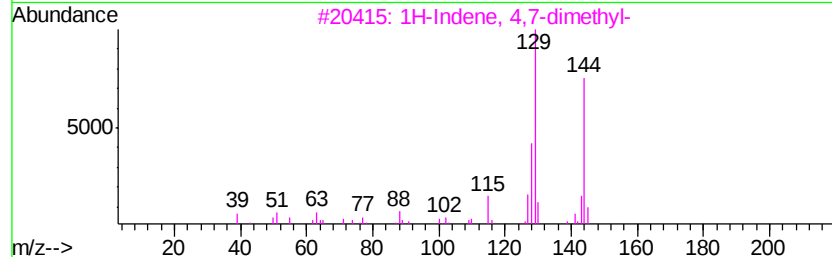
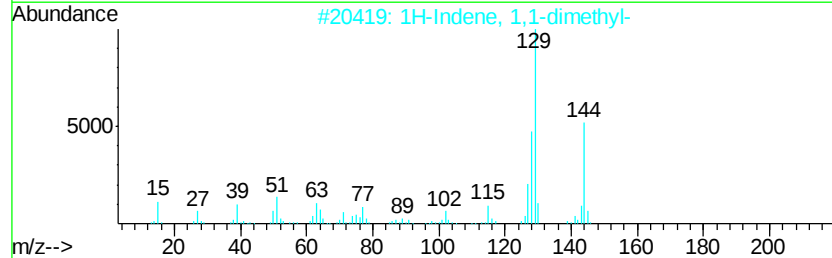
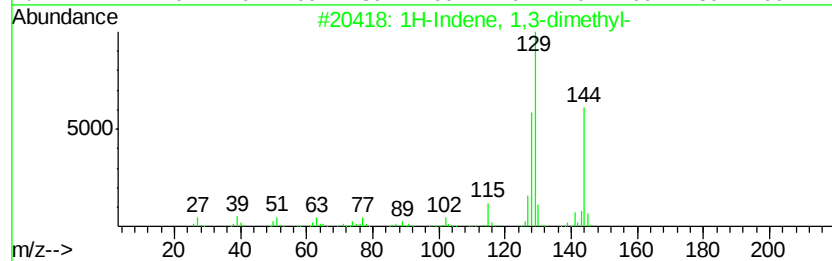
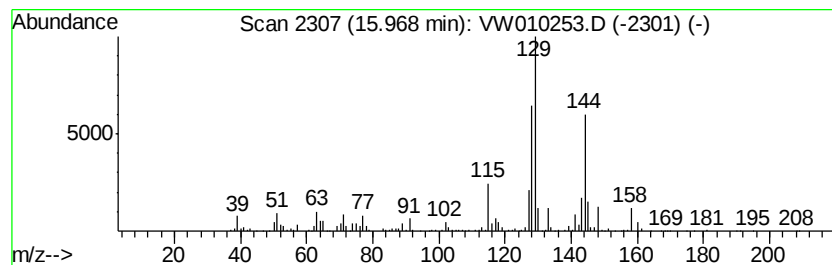
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Quant Title : VOC Analysis

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

Peak Number 24 1H-Indene, 1,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	2.65 ug/L	580900	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	94
2		1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	93
3		1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	91
4		Naphthalene, 1,2-dihydro-6-methyl-	144	C11H12	002717-47-7	87
5		2-Ethyl-1-H-indene	144	C11H12	017059-50-6	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW050119\
Data File : VW010253.D
Acq On : 01 May 2019 19:40
Operator : SY/VA
Sample : K2604-10
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAJ84

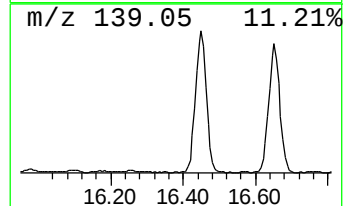
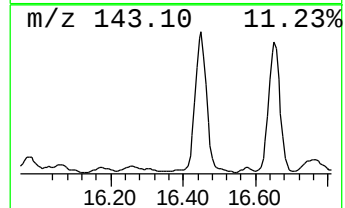
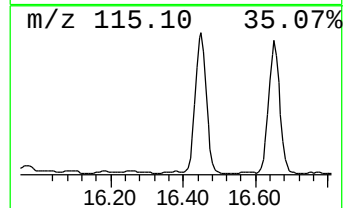
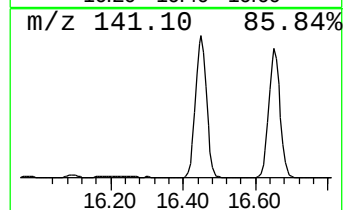
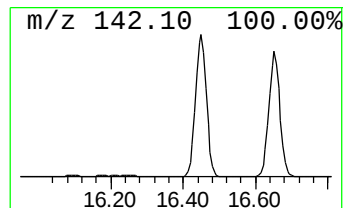
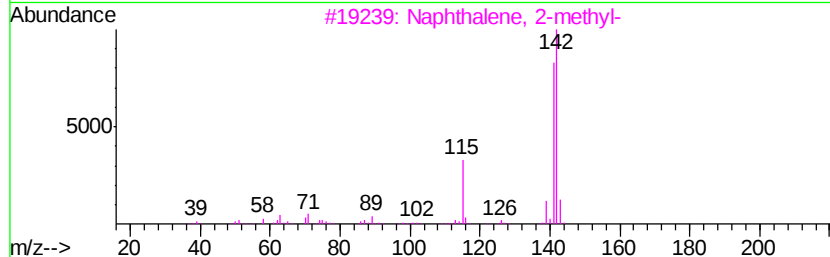
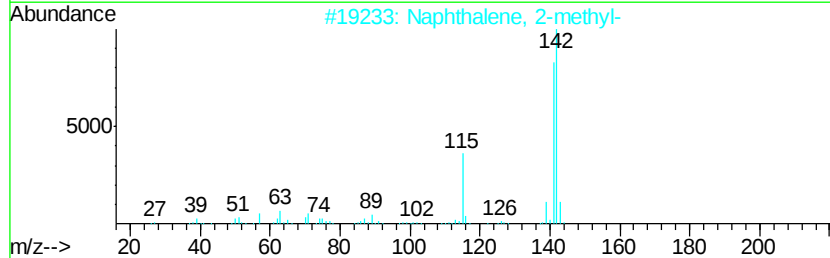
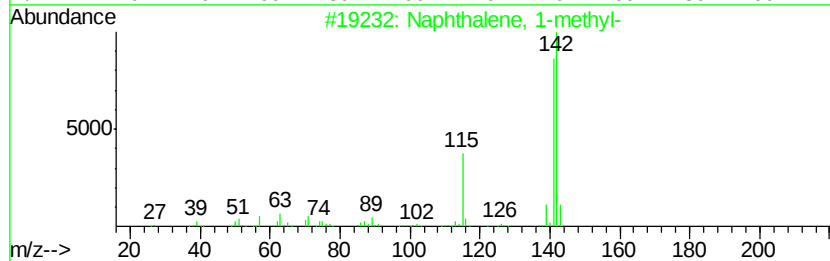
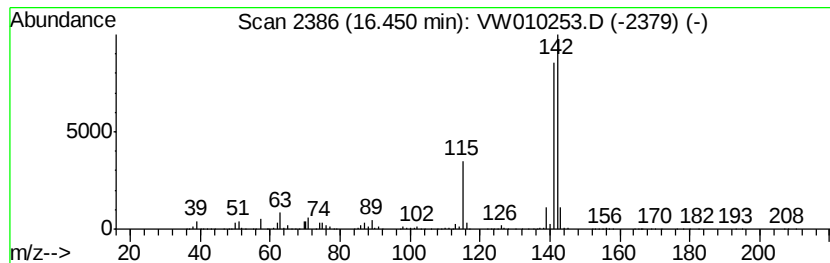
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis

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

Peak Number 25 Naphthalene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	19.82 ug/L	4338350	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		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW050119\
 Data File : VW010253.D
 Acq On : 01 May 2019 19:40
 Operator : SY/VA
 Sample : K2604-10
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAJ84

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
 Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Dimethyl ether	2.16	1.4	ug/L	78198	1	8.84	1378910	25.0
Benzene, 1-ethyl-...	12.90	2.6	ug/L	571145	3	13.56	5472640	25.0
Benzene, 1,2,3-tr...	12.94	10.3	ug/L	2257800	3	13.56	5472640	25.0
Bicyclo[4.2.0]oct...	13.30	19.9	ug/L	4358110	3	13.56	5472640	25.0
Benzene, 1-etheny...	13.35	4.5	ug/L	974204	3	13.56	5472640	25.0
Indane	13.76	8.3	ug/L	1825660	3	13.56	5472640	25.0
Indene	13.94	27.4	ug/L	6009810	3	13.56	5472640	25.0
Benzene, 2-etheny...	14.04	1.6	ug/L	356326	3	13.56	5472640	25.0
Benzene, (2-methy...	14.16	1.6	ug/L	357157	3	13.56	5472640	25.0
Benzene, 1,2,3,4-...	14.42	2.2	ug/L	488253	3	13.56	5472640	25.0
Benzene, 1-methyl...	14.51	2.1	ug/L	469454	3	13.56	5472640	25.0
Benzene, 2-butenyl-	14.56	2.3	ug/L	502606	3	13.56	5472640	25.0
Benzene, 1,2,4,5-...	14.80	8.7	ug/L	1903160	3	13.56	5472640	25.0
1H-Indene, 1-methyl-	14.88	7.0	ug/L	1533010	3	13.56	5472640	25.0
Tetracyclo[5.3.0....	15.07	1.4	ug/L	315559	3	13.56	5472640	25.0
unknown-01	15.32	1.8	ug/L	398356	3	13.56	5472640	25.0
Cyclopenta[c]thia...	15.47	2.4	ug/L	515217	3	13.56	5472640	25.0
1H-Indene, 1,3-di...	15.97	2.6	ug/L	580900	3	13.56	5472640	25.0
Naphthalene, 1-me...	16.45	19.8	ug/L	4338350	3	13.56	5472640	25.0