

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040319\
 Data File : VW009671.D
 Acq On : 03 Apr 2019 21:17
 Operator : SY/VA
 Sample : K2119-19
 Misc : 4.91G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF5B6

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\SOM2WLM040319S.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.958	6	9	13	rBV5	2615	4089	0.00%	0.001%
2	2.160	37	42	48	rBV3	9756	21393	0.01%	0.003%
3	2.361	68	75	87	rBV	123248	289866	0.15%	0.041%
4	2.891	155	162	177	rVB	109897	311885	0.16%	0.044%
5	3.806	310	312	315	rBV3	1044	1262	0.00%	0.000%
6	3.861	315	321	324	rBV5	3037	6041	0.00%	0.001%
7	4.013	332	346	359	rBV	229537	788791	0.40%	0.111%
8	4.336	397	399	400	rBV2	1789	1673	0.00%	0.000%
9	4.385	400	407	417	rVB4	9844	32045	0.02%	0.005%
10	4.495	423	425	429	rVB4	1164	1284	0.00%	0.000%
11	4.909	481	493	494	rBV	38419	83433	0.04%	0.012%
12	5.415	573	576	579	rBV5	1621	1567	0.00%	0.000%
13	5.738	626	629	632	rBV3	1105	1649	0.00%	0.000%
14	5.793	635	638	643	rVB6	2286	3819	0.00%	0.001%
15	5.933	651	661	669	rBV6	12346	36532	0.02%	0.005%
16	6.135	692	694	699	rVB5	879	1302	0.00%	0.000%
17	6.598	768	770	773	rVB	1412	1275	0.00%	0.000%
18	6.897	810	819	830	rBV7	6644	19896	0.01%	0.003%
19	7.073	838	848	858	rBV	67026	187401	0.09%	0.026%
20	7.506	916	919	921	rVV2	1645	2555	0.00%	0.000%
21	7.640	931	941	954	rBV	386593	922550	0.47%	0.130%
22	7.799	965	967	972	rVB4	1139	1569	0.00%	0.000%
23	7.939	986	990	992	rBV4	1427	2213	0.00%	0.000%
24	8.061	1008	1010	1015	rVB5	1563	2229	0.00%	0.000%
25	8.274	1033	1045	1060	rBV2	716441	2127685	1.08%	0.299%
26	8.622	1097	1102	1104	rBV4	1558	2119	0.00%	0.000%
27	8.841	1129	1138	1149	rBV	608202	1189855	0.60%	0.167%
28	9.073	1172	1176	1184	rVB8	5977	12761	0.01%	0.002%
29	9.274	1198	1209	1217	rBV	497300	1013396	0.51%	0.143%
30	9.603	1261	1263	1266	rVB3	1441	1353	0.00%	0.000%
31	9.658	1270	1272	1278	rVB6	1979	2541	0.00%	0.000%
32	9.756	1282	1288	1289	rBV3	2923	4091	0.00%	0.001%
33	9.884	1305	1309	1316	rVB7	5159	10692	0.01%	0.002%
34	9.945	1317	1319	1324	rBV5	2085	2442	0.00%	0.000%

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 Title : VOC Analysis

35	10.030	1326	1333	1347	rBV	267945	479184	0.24%	0.067%
36	10.207	1359	1362	1364	rBV3	2083	2426	0.00%	0.000%
37	10.323	1373	1381	1390	rBV	994414	1732154	0.88%	0.244%
38	10.487	1404	1408	1416	rVB6	5947	13342	0.01%	0.002%
39	10.579	1416	1423	1433	rBV	179650	313282	0.16%	0.044%
40	10.664	1433	1437	1440	rBV3	9841	14212	0.01%	0.002%
41	10.762	1448	1453	1456	rBV5	8765	17834	0.01%	0.003%
42	10.926	1473	1480	1491	rBV	275088	481774	0.24%	0.068%
43	11.103	1507	1509	1512	rBV4	3345	3666	0.00%	0.001%
44	11.176	1516	1521	1526	rVB2	30005	45643	0.02%	0.006%
45	11.231	1526	1530	1534	rVB3	10408	17738	0.01%	0.002%
46	11.286	1534	1539	1544	rBV6	6869	16547	0.01%	0.002%
47	11.512	1570	1576	1579	rBV5	9550	18847	0.01%	0.003%
48	11.634	1588	1596	1605	rBV	796760	1379648	0.70%	0.194%
49	11.871	1631	1635	1639	rBV	35595	52097	0.03%	0.007%
50	11.975	1648	1652	1655	rBV5	3786	6305	0.00%	0.001%
51	12.048	1658	1664	1671	rVB8	10858	30232	0.02%	0.004%
52	12.140	1671	1679	1685	rBV4	34740	94729	0.05%	0.013%
53	12.255	1694	1698	1702	rVB	26364	37032	0.02%	0.005%
54	12.304	1702	1706	1707	rBV3	20641	27847	0.01%	0.004%
55	12.341	1708	1712	1715	rVV2	38248	70423	0.04%	0.010%
56	12.383	1716	1719	1727	rVB	46522	85459	0.04%	0.012%
57	12.560	1745	1748	1751	rVB3	8069	10419	0.01%	0.001%
58	12.615	1751	1757	1762	rVB4	27365	52418	0.03%	0.007%
59	12.694	1762	1770	1777	rBV	387036	669273	0.34%	0.094%
60	12.786	1780	1785	1792	rVB5	49598	106762	0.05%	0.015%
61	12.859	1792	1797	1799	rBV3	17720	31507	0.02%	0.004%
62	12.896	1800	1803	1805	rBV	17799	24201	0.01%	0.003%
63	12.993	1816	1819	1824	rVB3	26739	36283	0.02%	0.005%
64	13.085	1830	1834	1836	rBV4	15908	24609	0.01%	0.003%
65	13.182	1845	1850	1860	rVB9	33468	80599	0.04%	0.011%
66	13.560	1906	1912	1923	rBV	588078	986083	0.50%	0.139%
67	13.652	1925	1927	1932	rVV3	13044	14819	0.01%	0.002%
68	13.725	1934	1939	1943	rVB2	42018	65302	0.03%	0.009%
69	13.853	1948	1960	1970	rBV	612605	1369227	0.69%	0.193%
70	13.950	1973	1976	1985	rVB	81001	162234	0.08%	0.023%
71	14.103	1995	2001	2006	rVB	612123	935411	0.47%	0.132%

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72	14.164	2007	2011	2013	rBV	55397	87617	0.04%	0.012%
73	14.206	2013	2018	2024	rVB4	275382	513935	0.26%	0.072%
74	14.273	2024	2029	2033	rBV3	124520	231504	0.12%	0.033%
75	14.347	2033	2041	2044	rBV2	345692	705042	0.36%	0.099%
76	14.389	2044	2048	2050	rBV2	690425	1016608	0.51%	0.143%
77	14.420	2050	2053	2061	rVB2	1611939	2651914	1.34%	0.373%
78	14.505	2062	2067	2070	rBV	526928	910861	0.46%	0.128%
79	14.572	2070	2078	2082	rBV	1345044	2899664	1.47%	0.408%
80	14.645	2087	2090	2095	rVB	695881	1005318	0.51%	0.141%
81	14.706	2095	2100	2102	rBV5	680176	1144166	0.58%	0.161%
82	14.743	2102	2106	2110	rVB3	877852	1232578	0.62%	0.173%
83	14.798	2110	2115	2122	rBV4	7672520	17613503	8.92%	2.478%
84	14.865	2122	2126	2131	rVB	5666223	8604916	4.36%	1.211%
85	14.962	2137	2142	2147	rBV	6548997	9784947	4.96%	1.377%
86	15.035	2149	2154	2155	rBV3	3550610	5135619	2.60%	0.723%
87	15.072	2156	2160	2163	rVV	10713069	16198702	8.20%	2.279%
88	15.115	2163	2167	2172	rVV2	10070358	18314696	9.28%	2.577%
89	15.176	2172	2177	2187	rVB3	20559351	46332991	23.47%	6.518%
90	15.273	2187	2193	2198	rBV3	11382040	21970943	11.13%	3.091%
91	15.334	2198	2203	2211	rVB4	9029771	16831733	8.52%	2.368%
92	15.432	2213	2219	2222	rBV	14173566	25823087	13.08%	3.633%
93	15.474	2223	2226	2230	rBV	8906764	14004843	7.09%	1.970%
94	15.663	2250	2257	2263	rBV3	10101014	23190774	11.75%	3.263%
95	15.743	2266	2270	2274	rVB	4386387	7494188	3.80%	1.054%
96	15.877	2288	2292	2298	rVB	35603168	61553424	31.17%	8.660%
97	15.956	2301	2305	2311	rVB2	9295160	16676451	8.45%	2.346%
98	16.188	2334	2343	2353	rBV2	31974260	75886238	38.43%	10.676%
99	16.462	2381	2388	2405	rVB5	63575064	197447353	100.00%	27.778%
100	16.657	2412	2420	2428	rBV	42116158	98927441	50.10%	13.918%

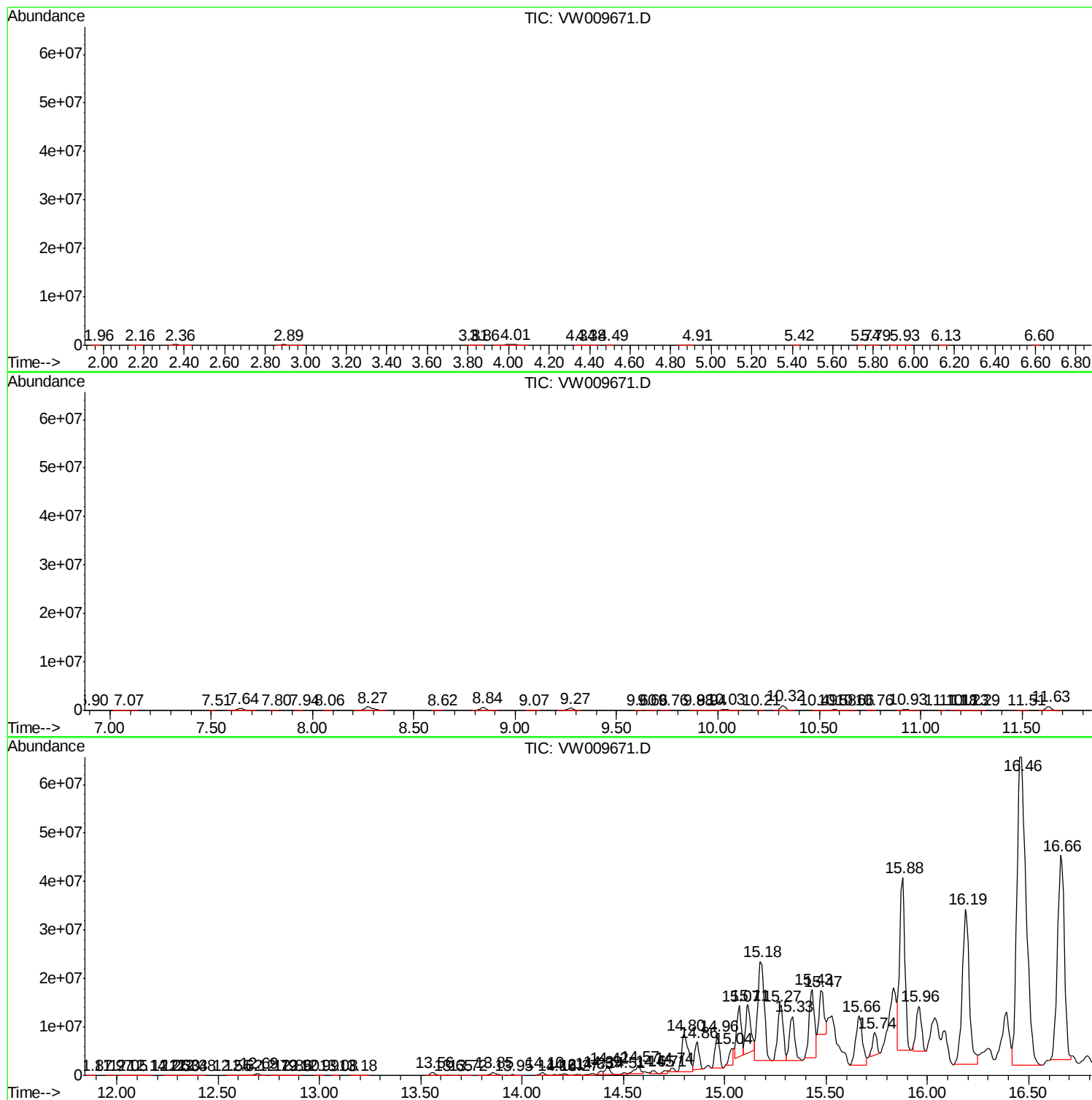
Sum of corrected areas: 710793878

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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



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Instrument :
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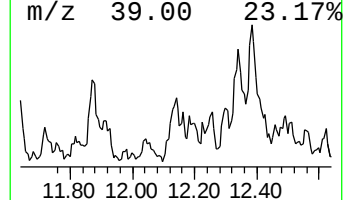
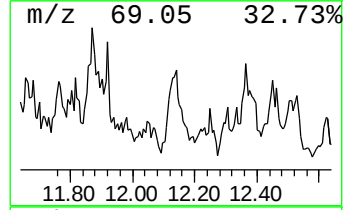
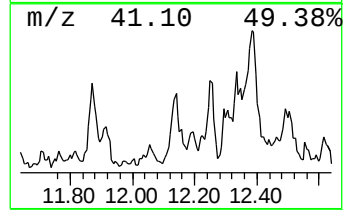
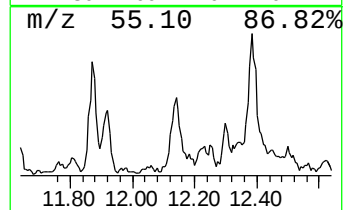
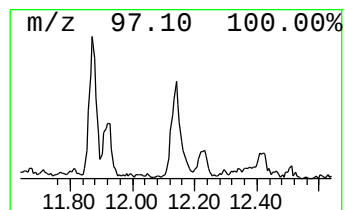
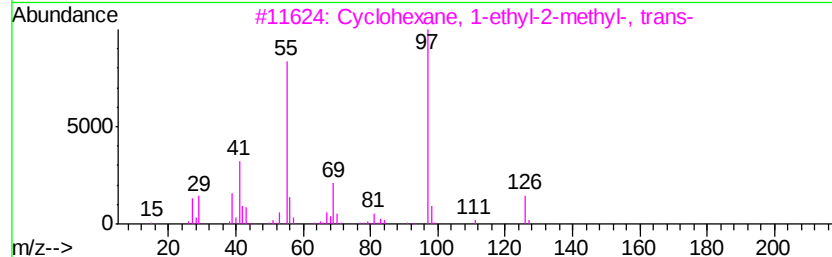
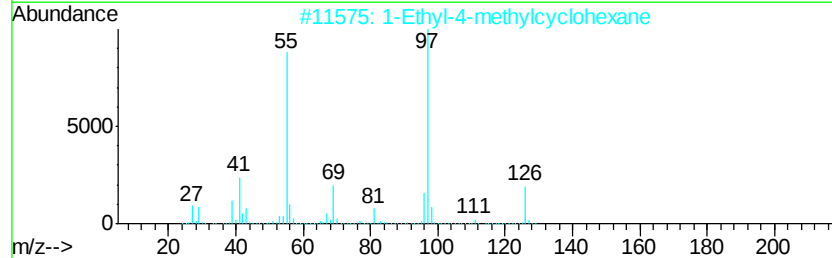
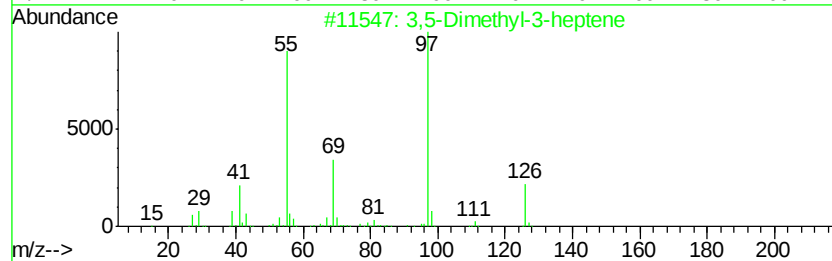
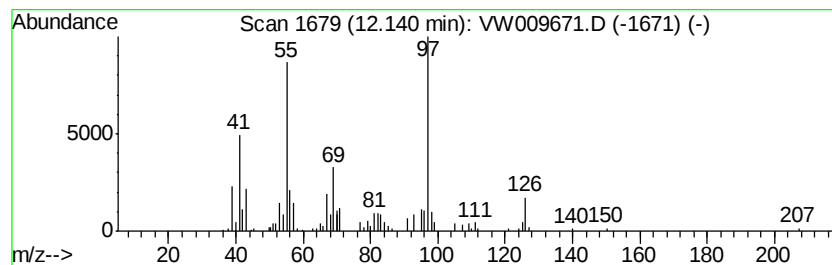
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Cyclic12.14 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	1.72 ug/L	94729	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	64
2		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	64
3		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	64
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	62



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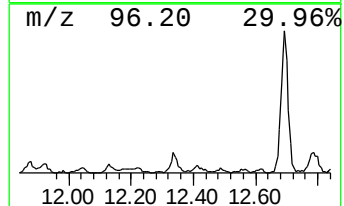
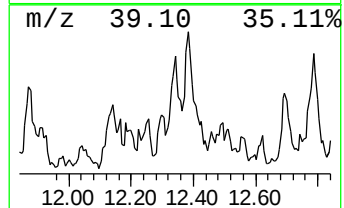
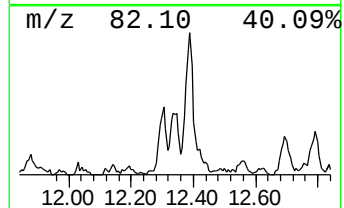
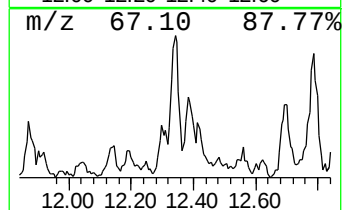
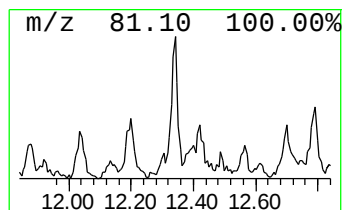
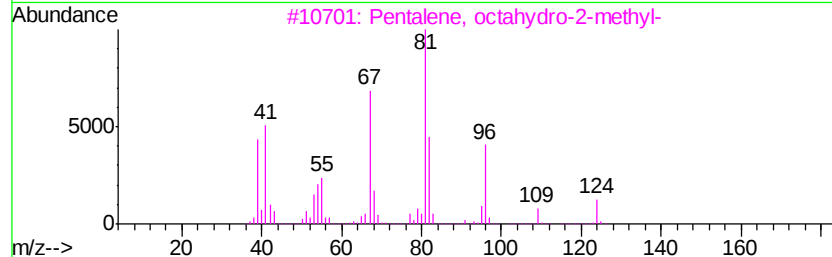
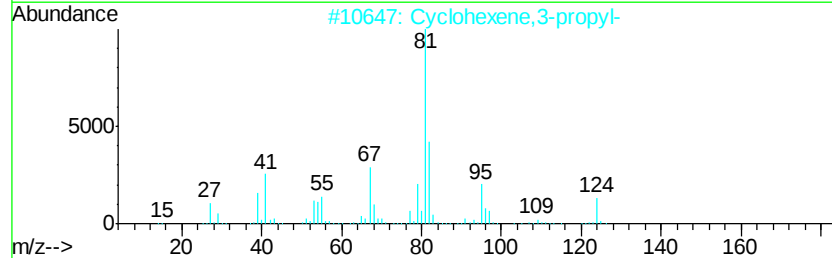
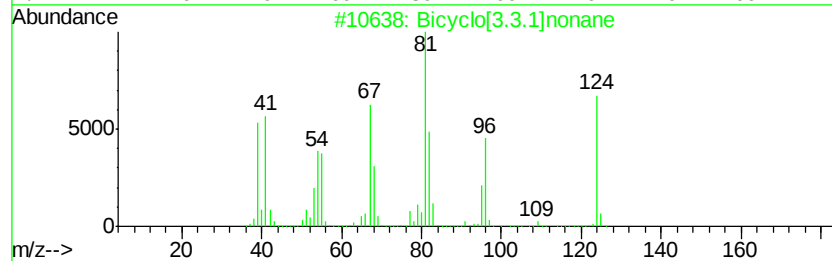
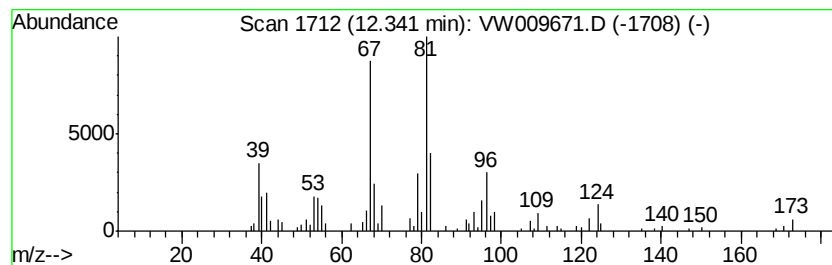
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Quant Title : VOC Analysis

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

Peak Number 3 Bicyclo[3.3.1]nonane Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.34	1.28 ug/L	70423	Chlorobenzene-d5		11.63	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	68
2		Cyclohexene,3-propyl-	124	C9H16	003983-06-0	52
3		Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	52
4		Bicyclo[2.2.1]heptane, 2-ethyl-	124	C9H16	002146-41-0	49
5		Cyclohexene,3-propyl-	124	C9H16	003983-06-0	49



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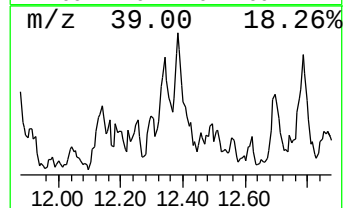
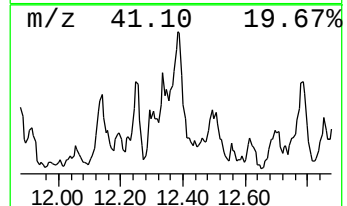
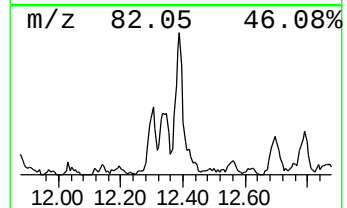
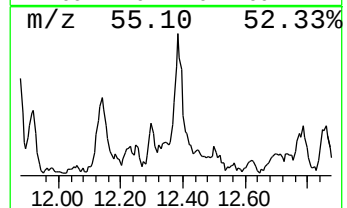
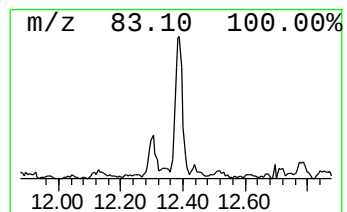
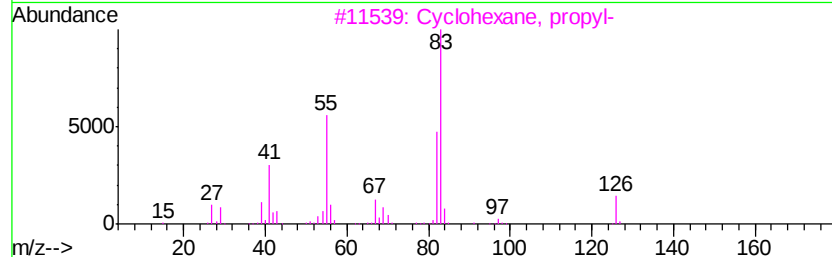
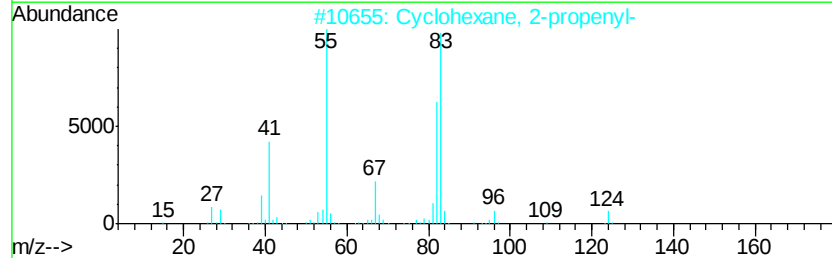
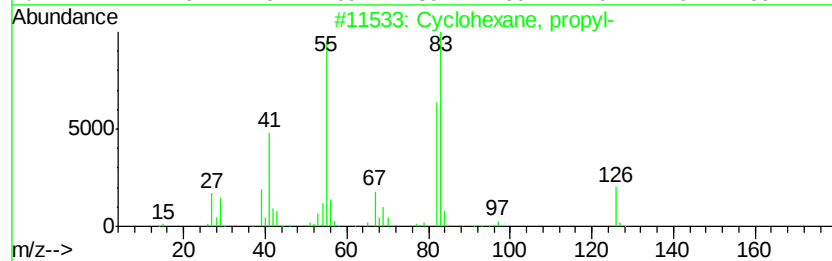
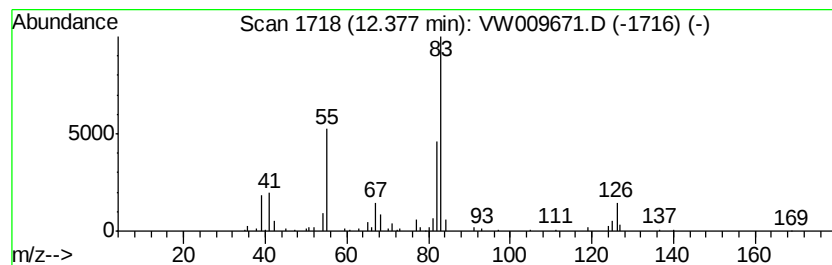
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 Quant Title : VOC Analysis

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

 Peak Number 4 (DEL) Alkane: Cyclic12.38 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	1.55 ug/L	85459	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, propyl-	126	C9H18	001678-92-8	86
2		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	80
3		Cyclohexane, propyl-	126	C9H18	001678-92-8	78
4		Cyclohexane, propyl-	126	C9H18	001678-92-8	78
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

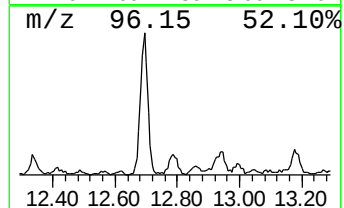
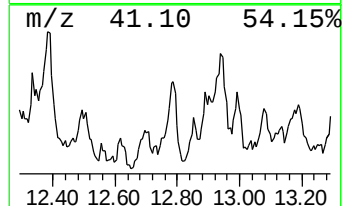
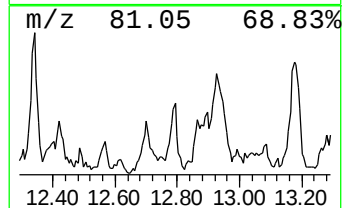
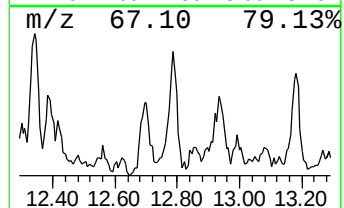
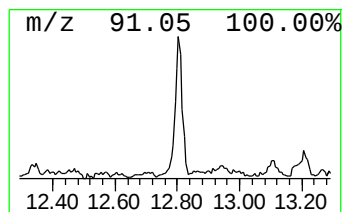
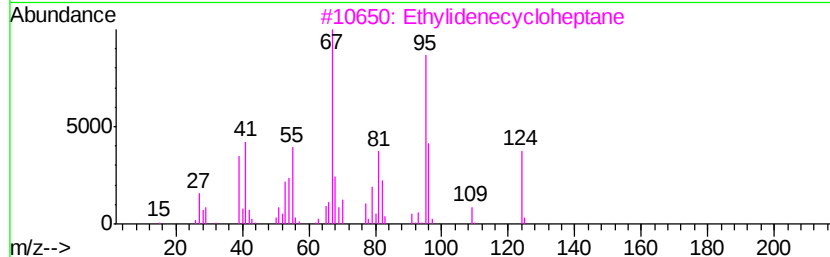
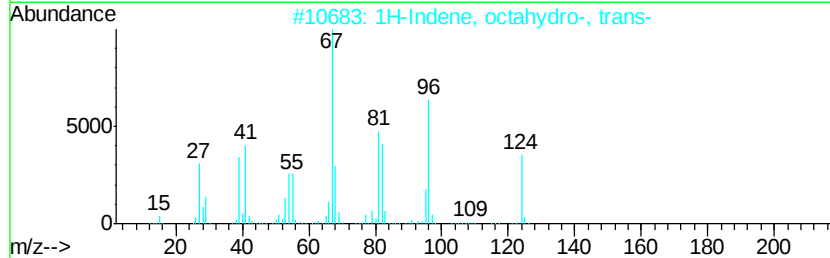
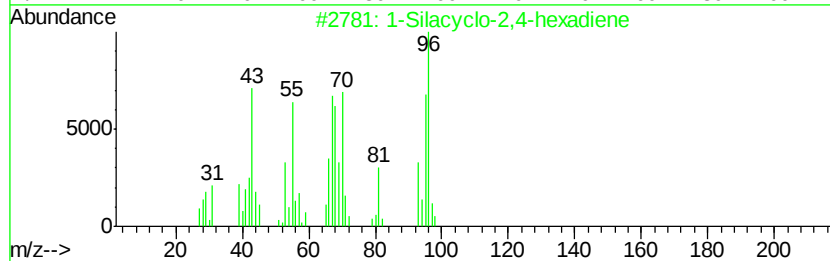
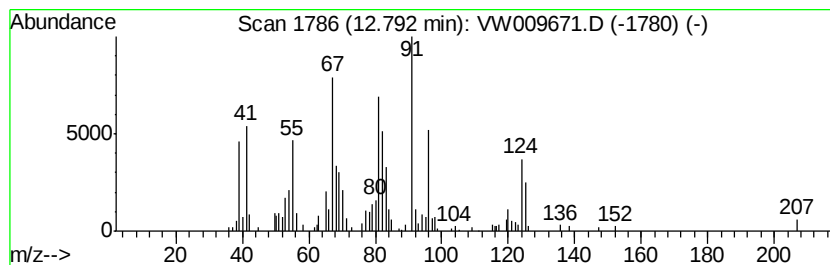
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 6 unknown-01 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	2.71 ug/L	106762	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Silacvclo-2,4-hexadiene	96 C5H8Si	052023-17-3	49
2	1H-Indene, octahydro-, trans-	124 C9H16	003296-50-2	45
3	Ethylidenecycloheptane	124 C9H16	010494-87-8	43
4	3-Heptyne	96 C7H12	002586-89-2	38
5	Cyclopentane, (2-methyl-1-propen...	124 C9H16	053366-57-7	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
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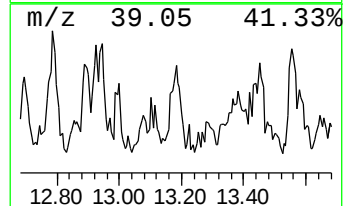
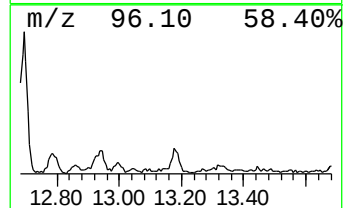
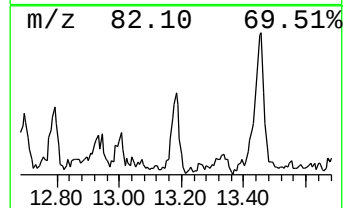
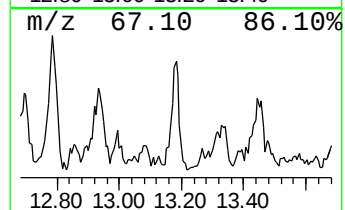
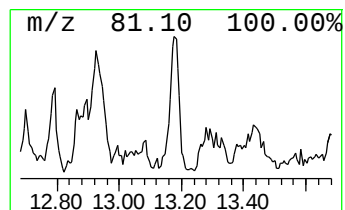
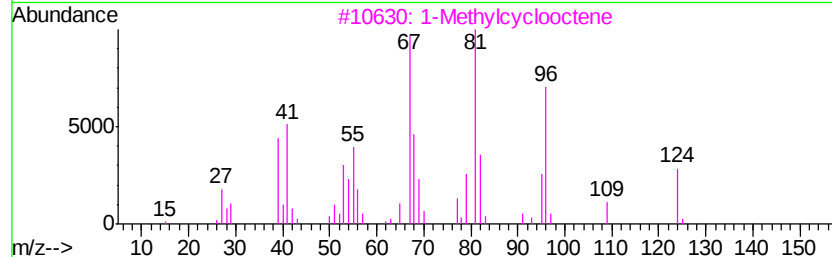
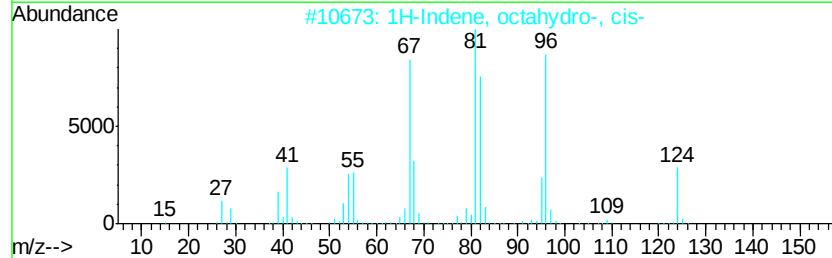
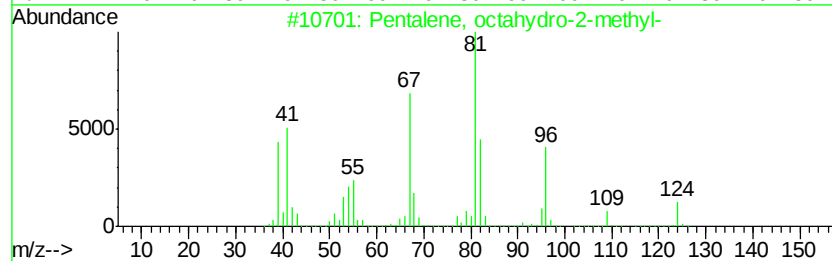
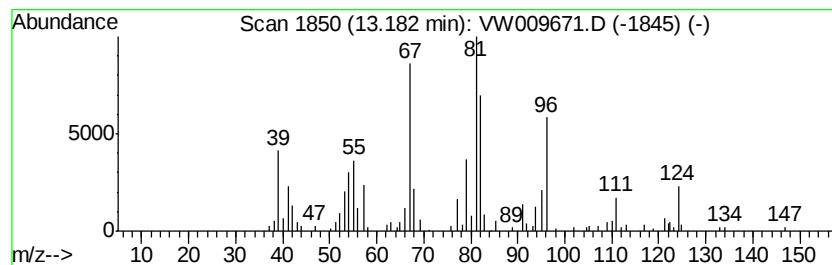
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Quant Title : VOC Analysis

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

Peak Number 7 Pentalene, octahydro-2-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	2.04 ug/L	80599	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	87
2		1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	76
3		1-Methylcyclooctene	124	C9H16	000933-11-9	72
4		3,4-Heptadiene	96	C7H12	002454-31-1	70
5		1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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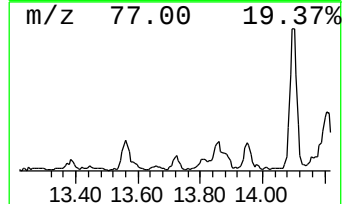
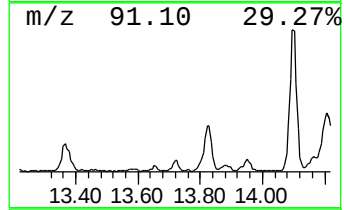
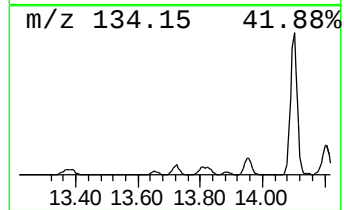
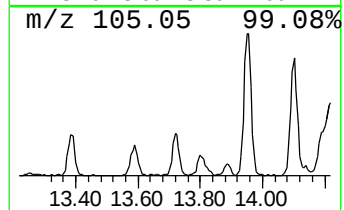
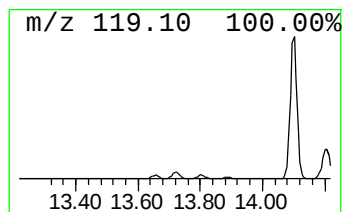
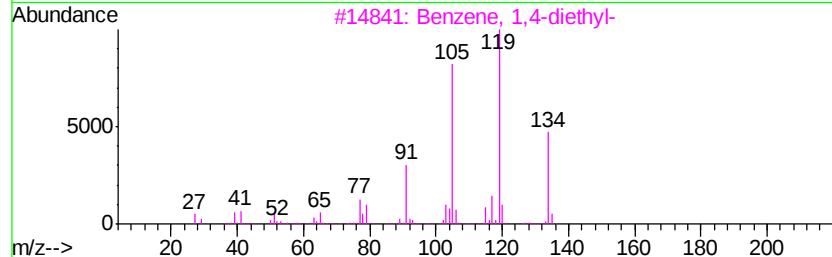
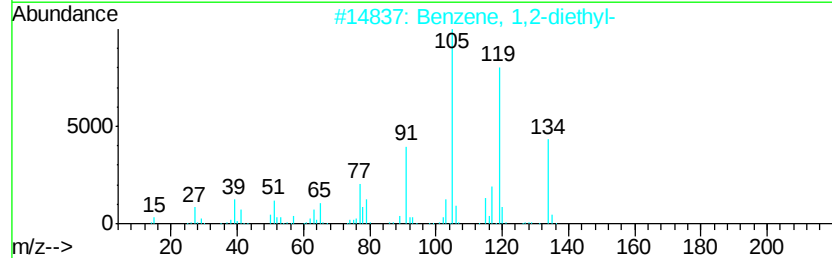
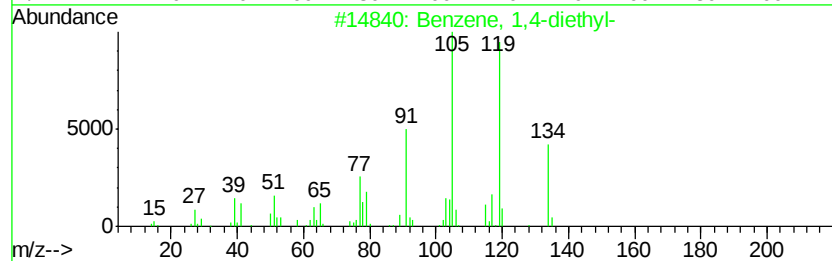
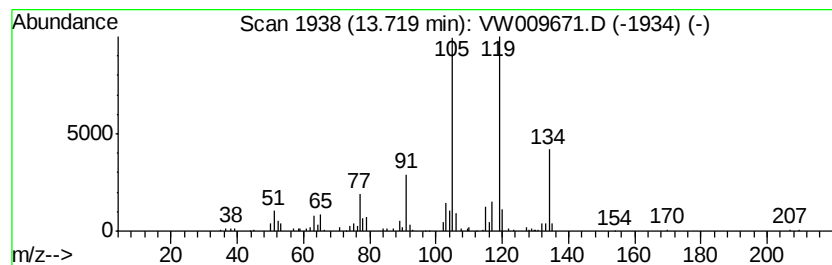
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Quant Title : VOC Analysis

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

Peak Number 8 Benzene, 1,4-diethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	1.66 ug/L	65302	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91
4		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	91
5		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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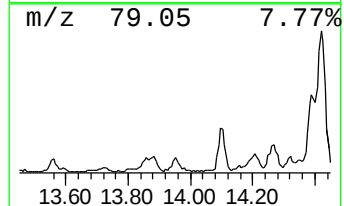
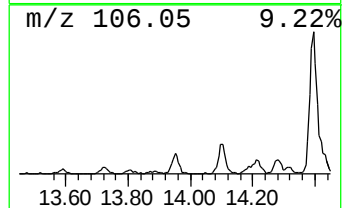
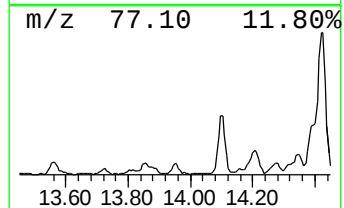
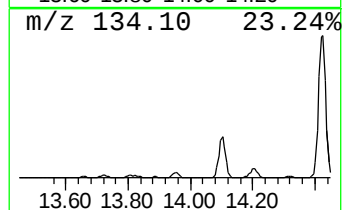
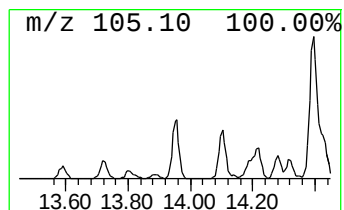
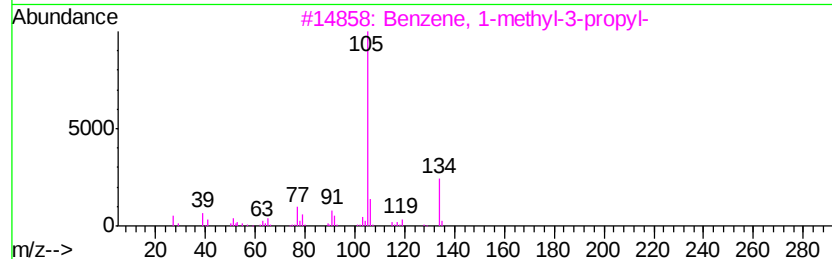
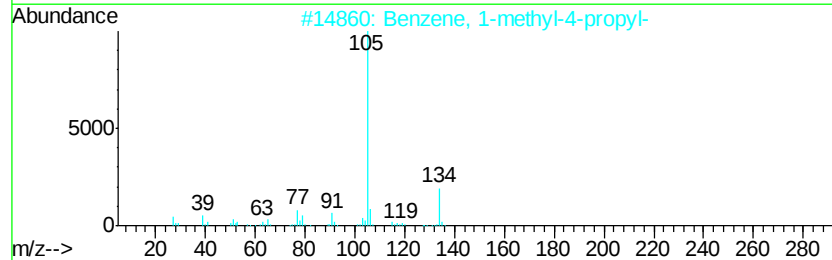
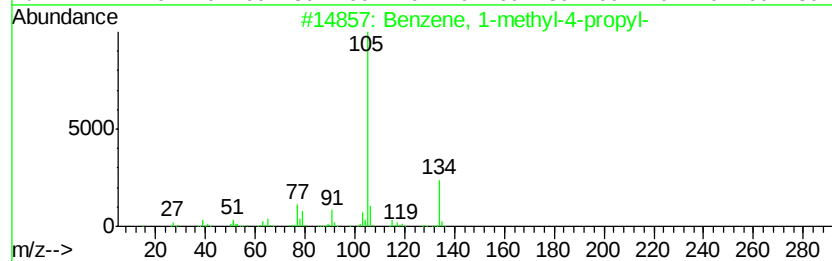
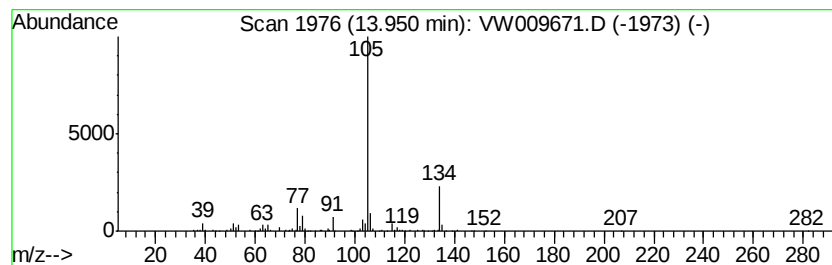
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Quant Title : VOC Analysis

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

Peak Number 9 Benzene, 1-methyl-4-propyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	4.11 ug/L	162234	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	93
2		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
3		Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	90
4		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
5		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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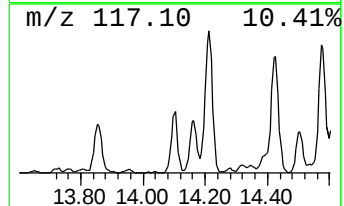
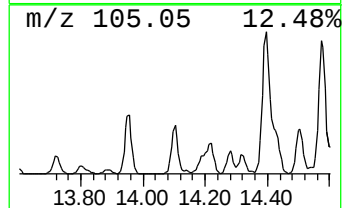
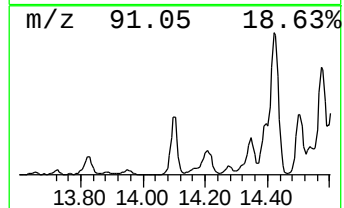
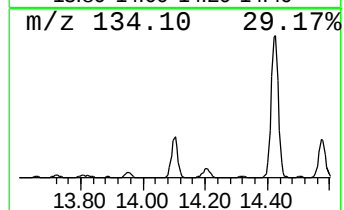
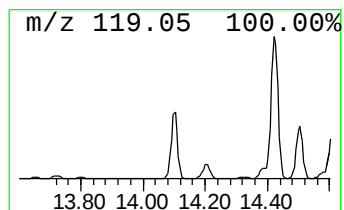
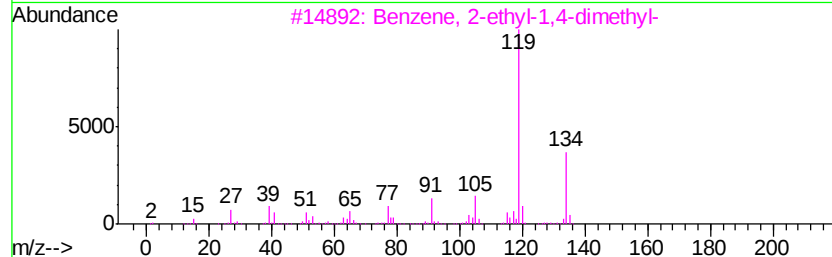
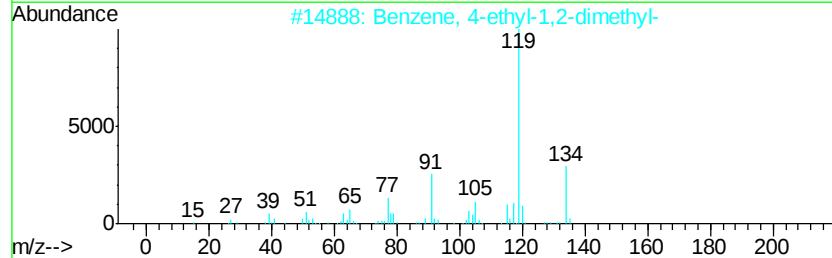
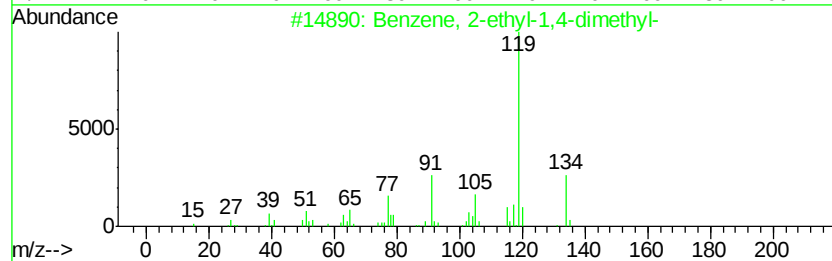
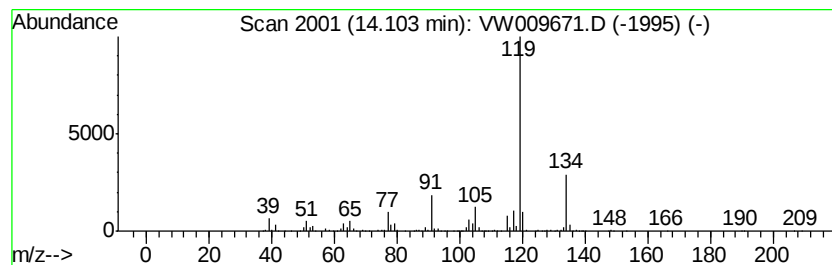
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Quant Title : VOC Analysis

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

Peak Number 10 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	23.72 ug/L	935411	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	96
2		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5		o-Cymene	134	C10H14	000527-84-4	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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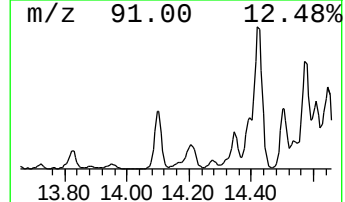
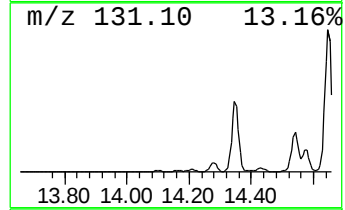
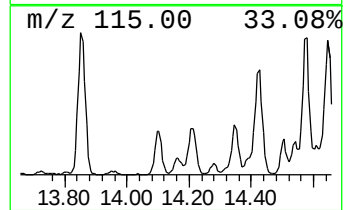
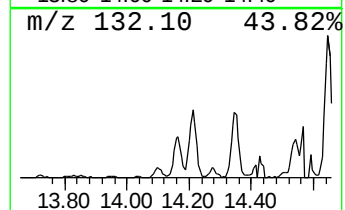
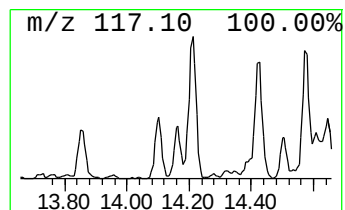
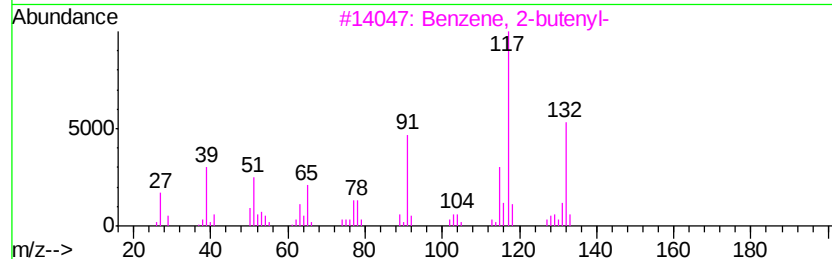
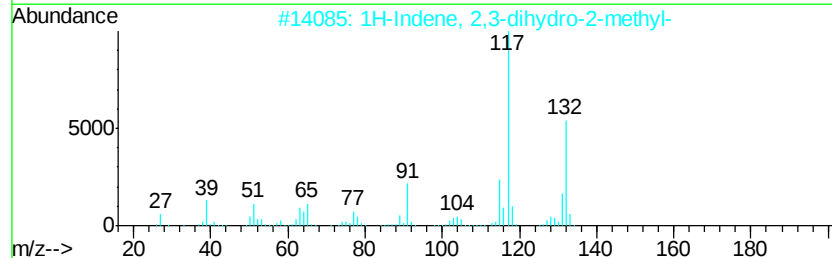
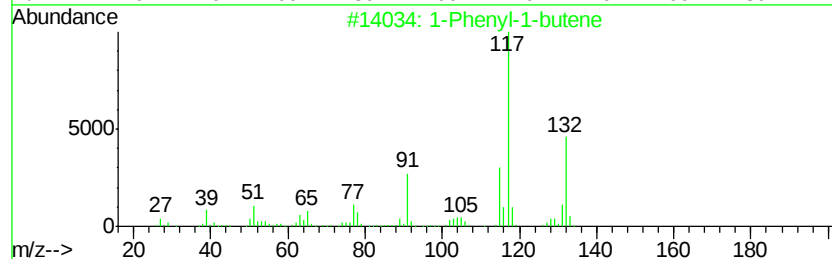
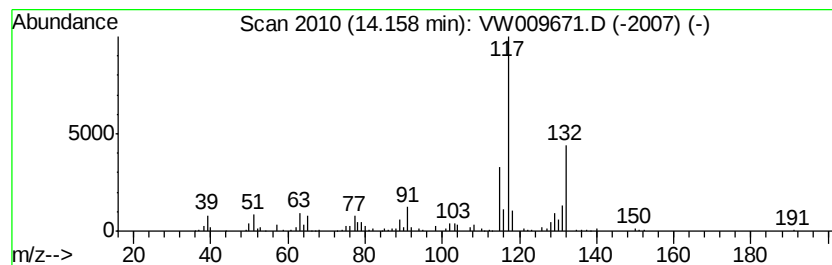
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Quant Title : VOC Analysis

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

Peak Number 11 1-Phenyl-1-butene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	2.22 ug/L	87617	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
2		1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87
3		Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
4		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	86
5		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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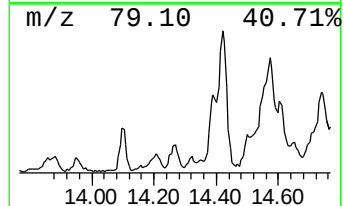
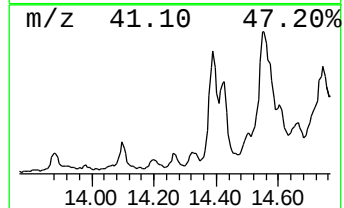
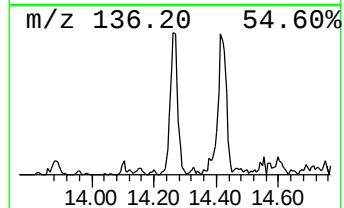
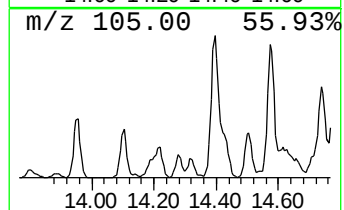
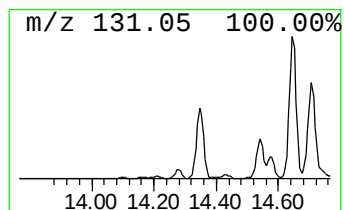
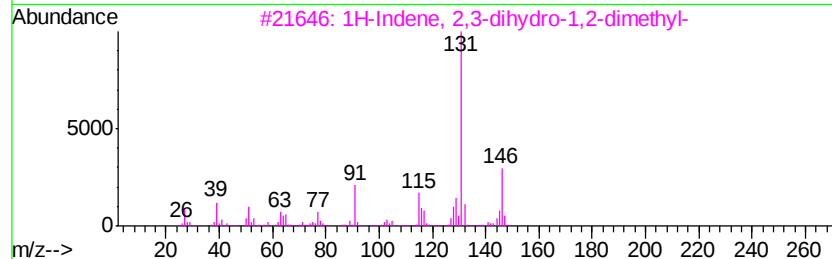
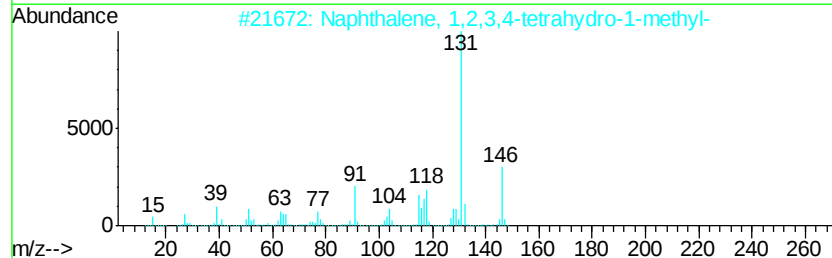
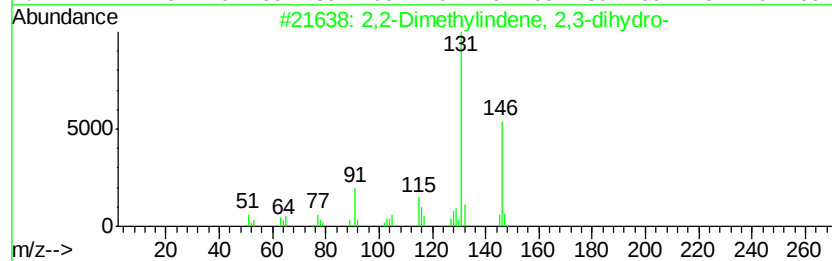
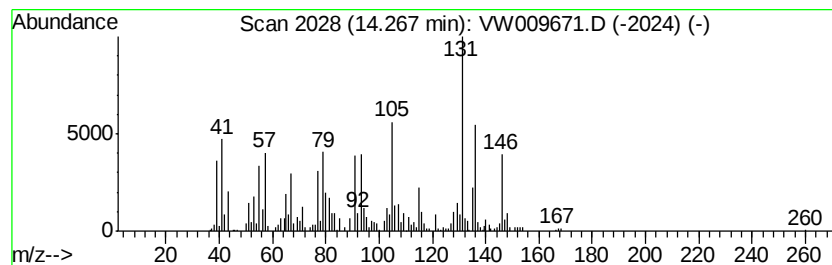
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Quant Title : VOC Analysis

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

Peak Number 13 2,2-Dimethylindene, 2,3-dih... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	5.87 ug/L	231504	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	93
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	90
3		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
4		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	89
5		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	89



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5B6

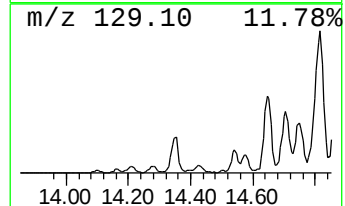
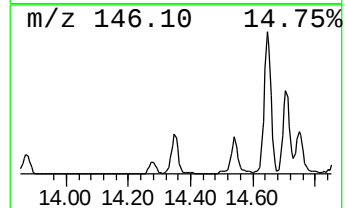
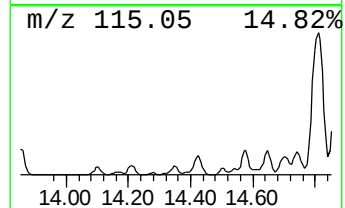
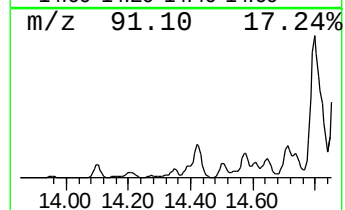
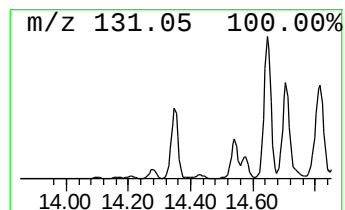
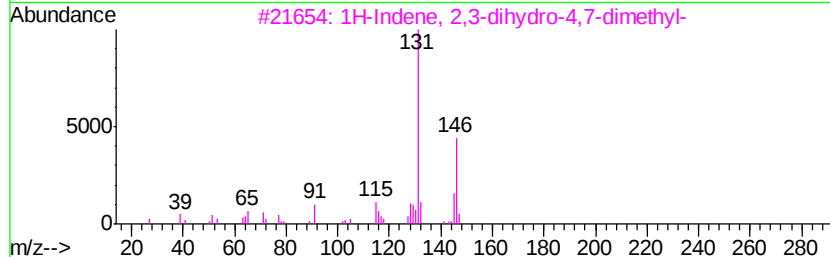
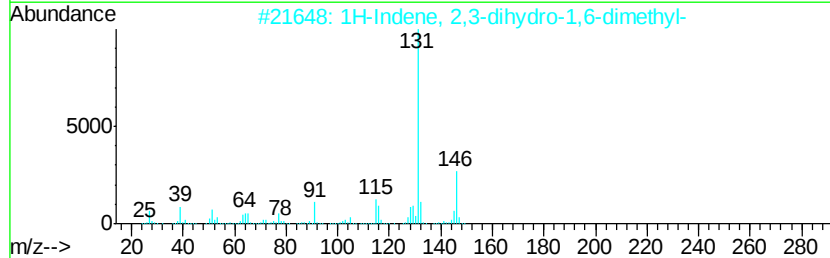
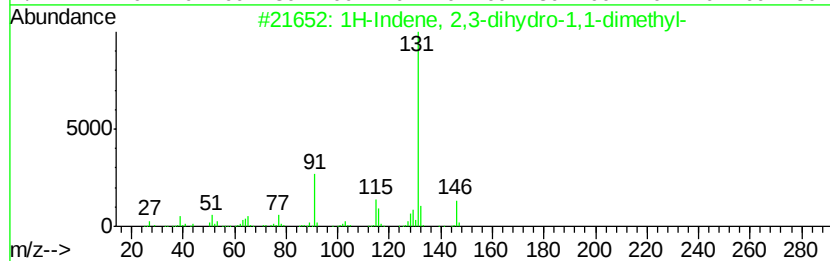
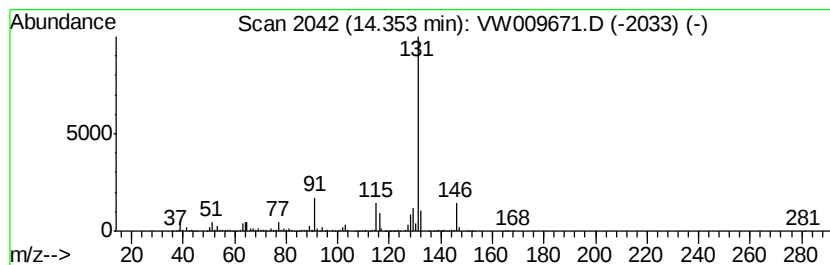
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Quant Title : VOC Analysis

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

Peak Number 14 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	17.87 ug/L	705042	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	95
2		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
3		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
4		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
5		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5B6

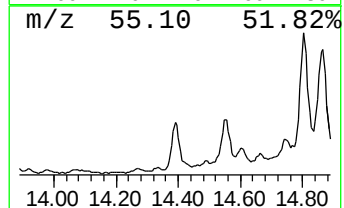
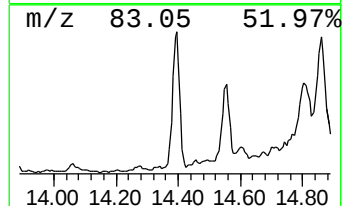
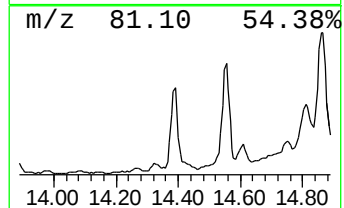
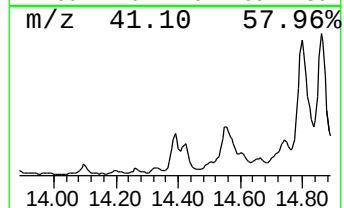
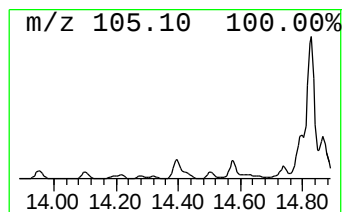
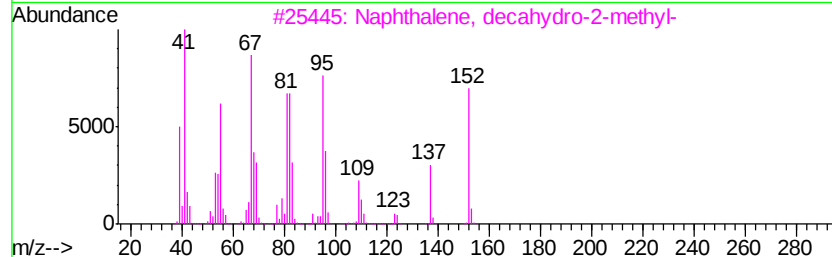
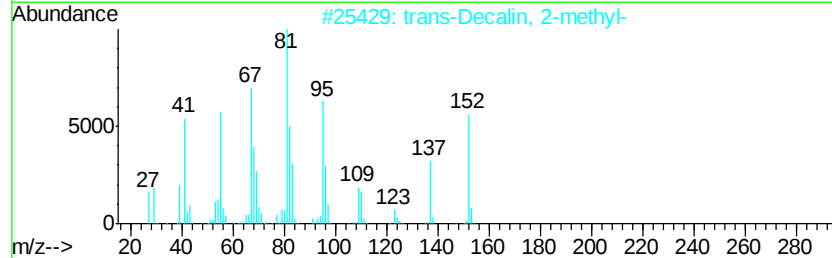
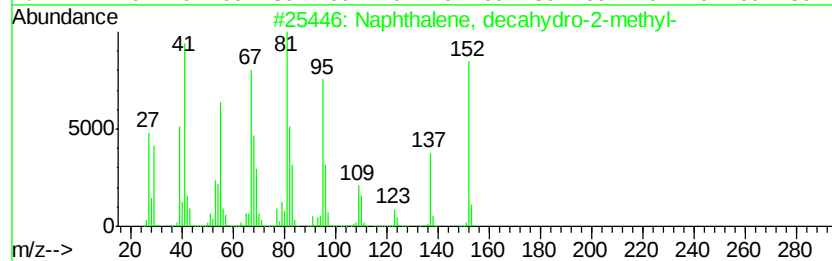
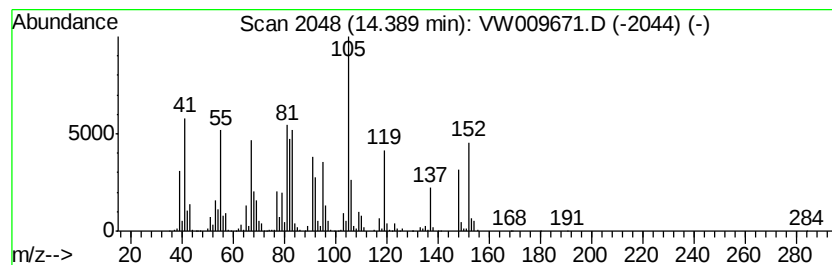
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Quant Title : VOC Analysis

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

Peak Number 15 Naphthalene, decahydro-2-me... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	25.77 ug/L	1016610	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	89
2		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	87
3		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	41
4		1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	41
5		Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5B6

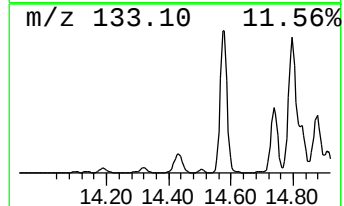
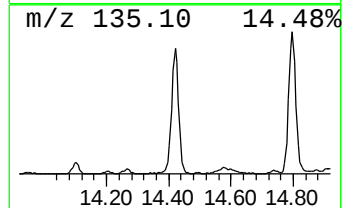
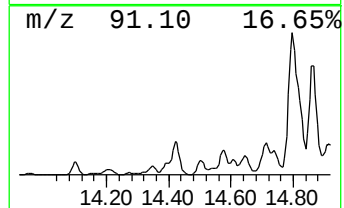
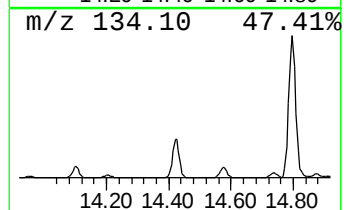
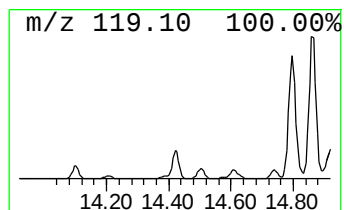
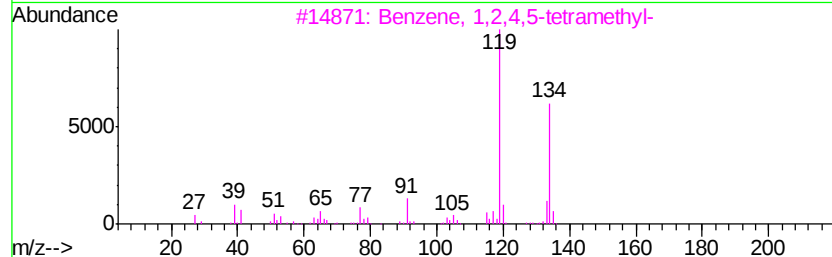
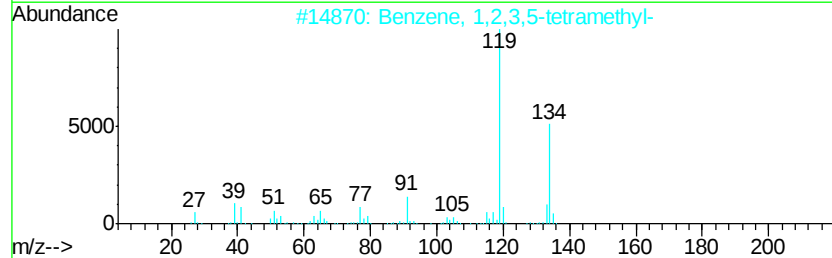
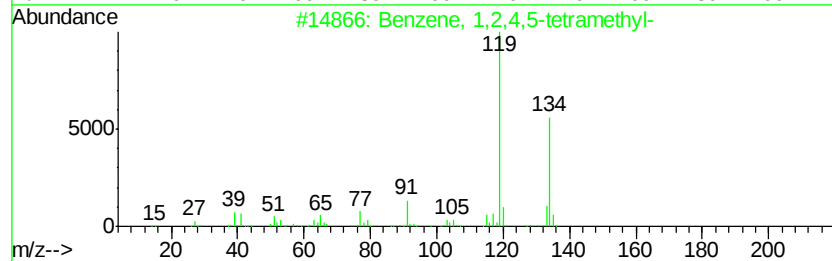
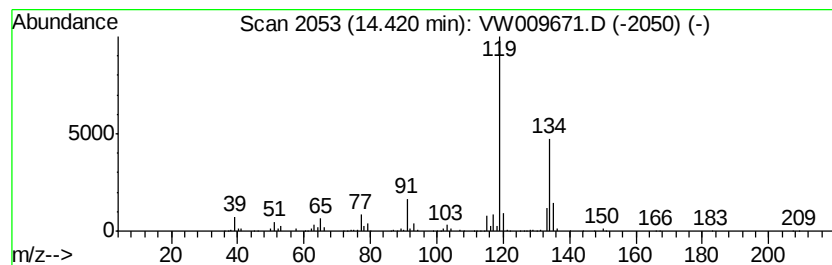
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Quant Title : VOC Analysis

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

Peak Number 16 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	67.23 ug/L	2651910	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5B6

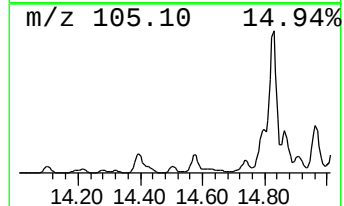
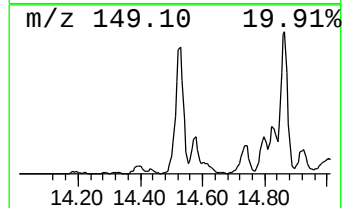
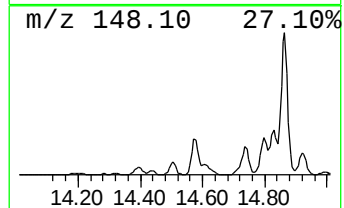
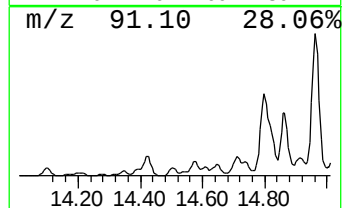
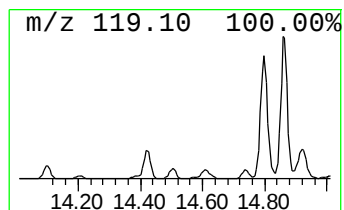
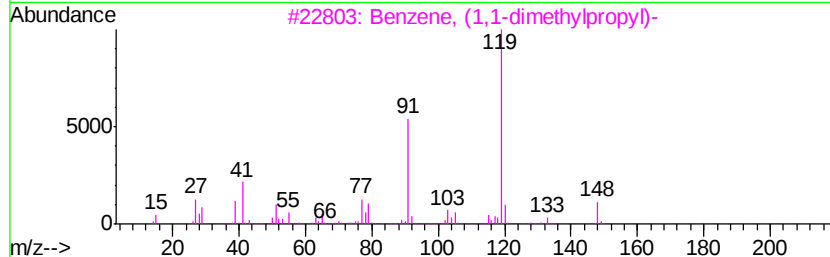
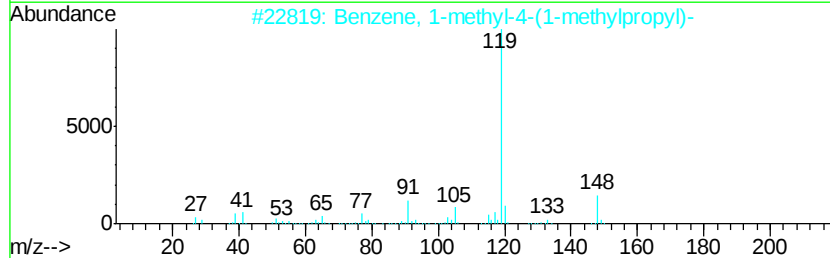
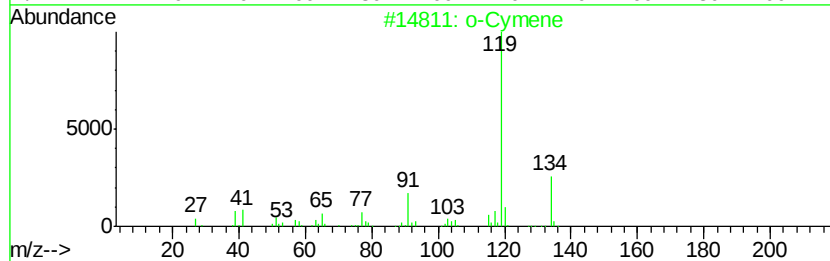
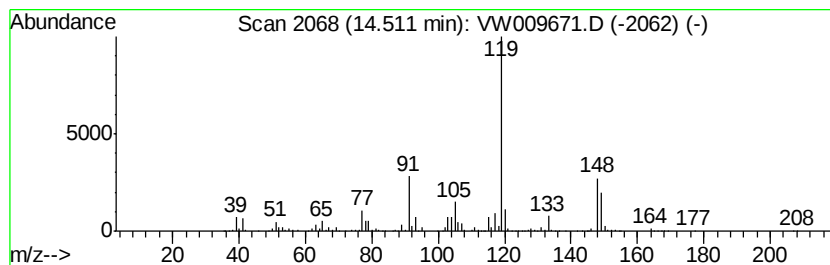
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Quant Title : VOC Analysis

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

Peak Number 17 o-Cymene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	23.09 ug/L	910861	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	92
2		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	90
3		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	80
4		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	80
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5B6

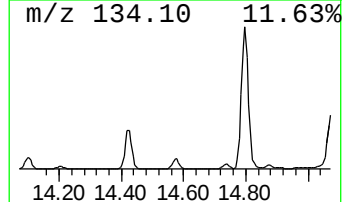
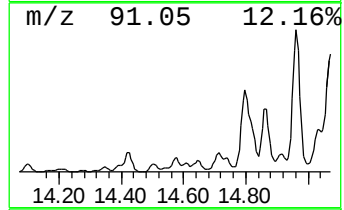
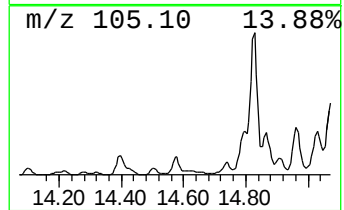
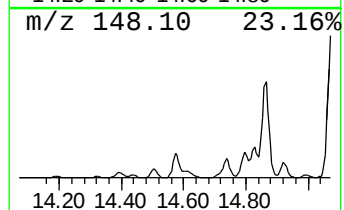
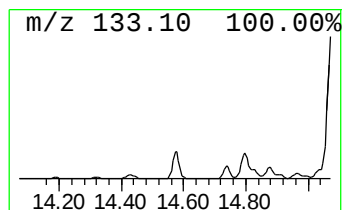
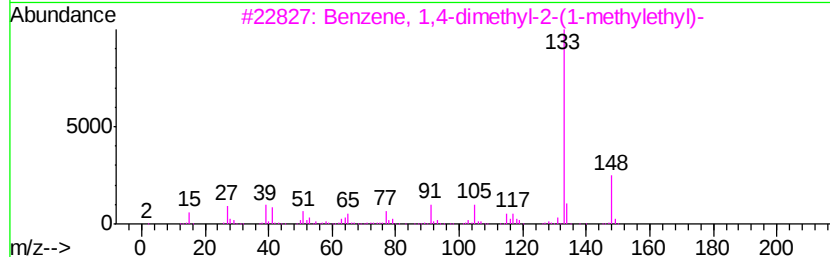
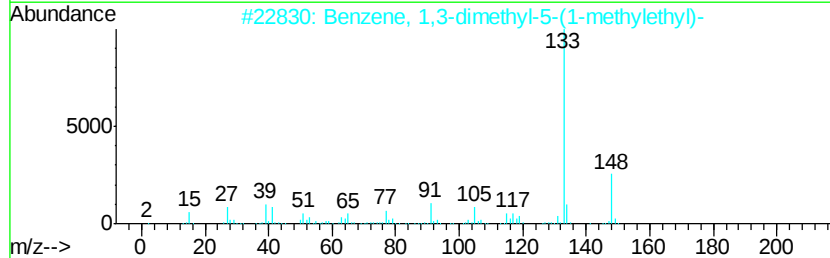
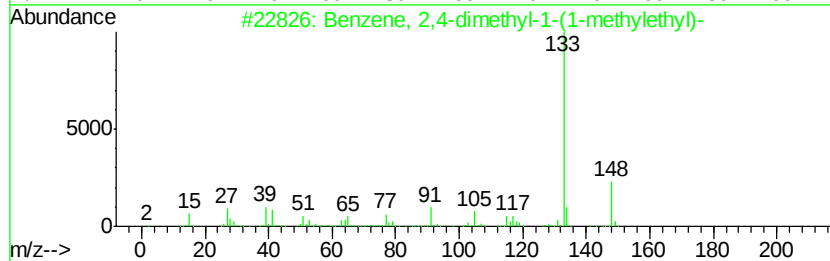
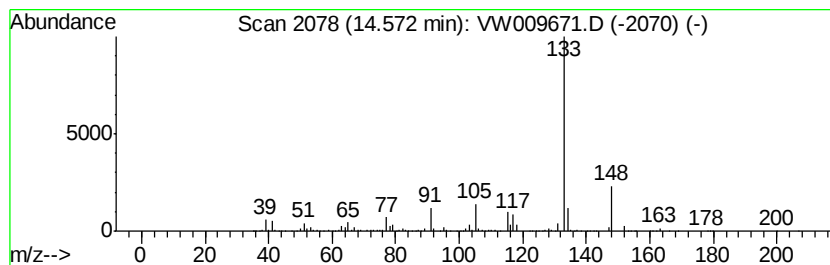
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Quant Title : VOC Analysis

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

Peak Number 18 Benzene, 2,4-dimethyl-1-(1-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	73.51 ug/L	2899660	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2,4-dimethyl-1-(1-methyl-...	148	C11H16	004706-89-2	91
2		Benzene, 1,3-dimethyl-5-(1-methyl-...	148	C11H16	004706-90-5	91
3		Benzene, 1,4-dimethyl-2-(1-methyl-...	148	C11H16	004132-72-3	91
4		Benzene, pentamethyl-	148	C11H16	000700-12-9	91
5		3,4-Dimethylcumene	148	C11H16	1000370-34-1	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5B6

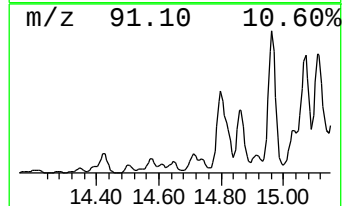
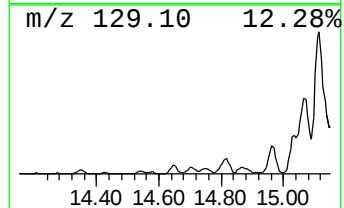
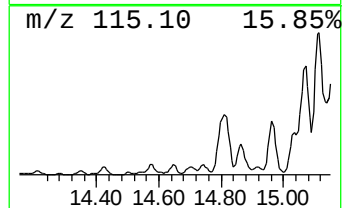
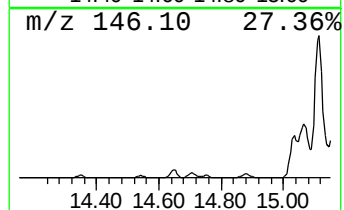
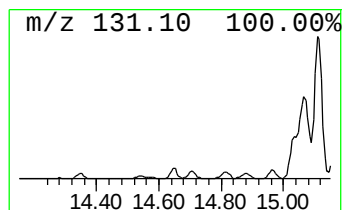
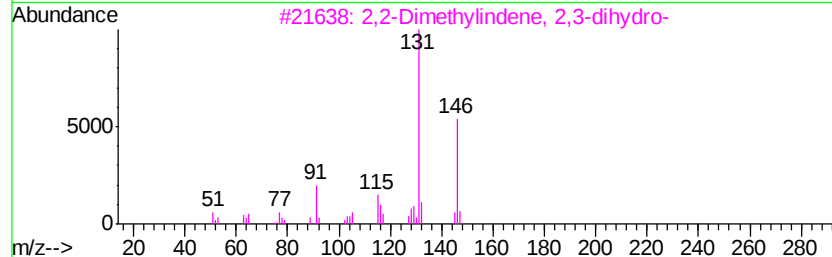
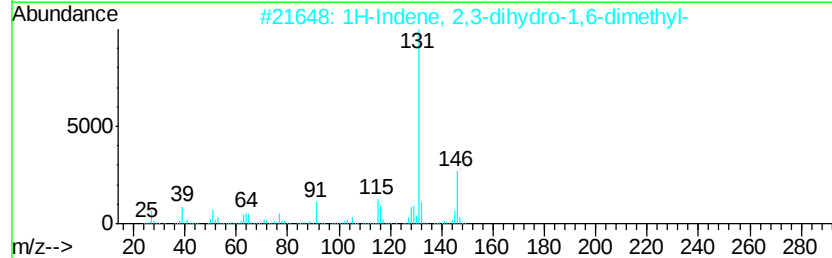
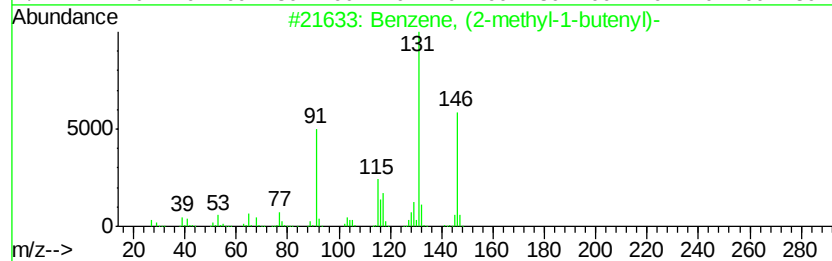
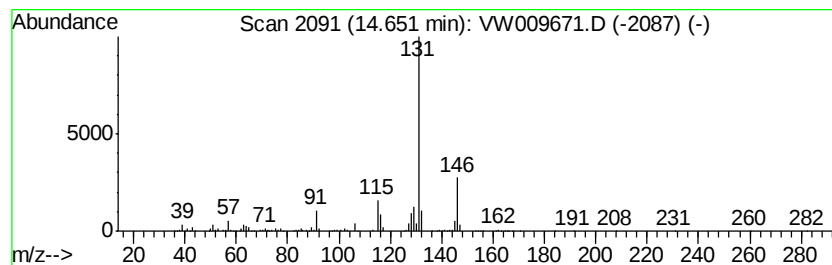
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Quant Title : VOC Analysis

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

Peak Number 19 Benzene, (2-methyl-1-butenyl)- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	25.49 ug/L	1005320	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	94
2		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
3		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
4		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
5		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5B6

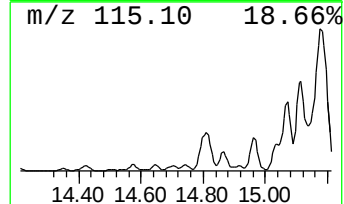
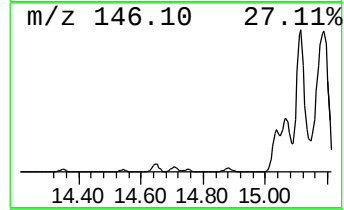
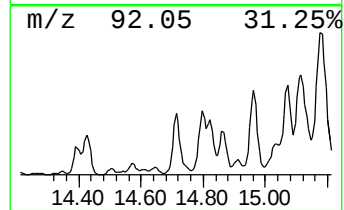
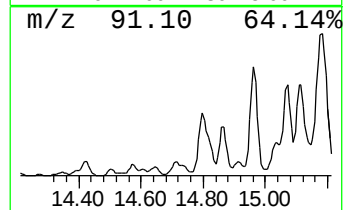
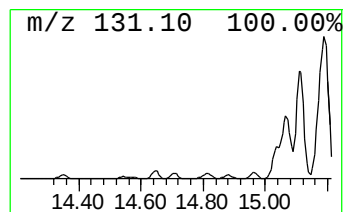
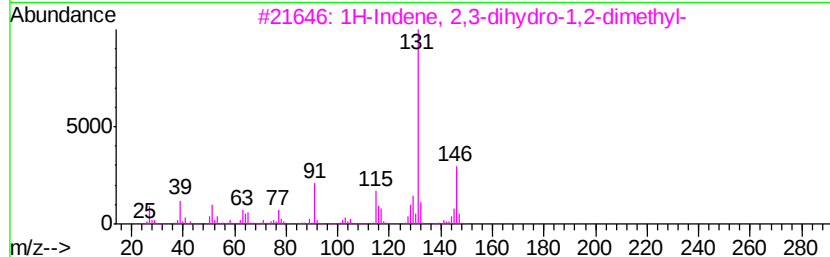
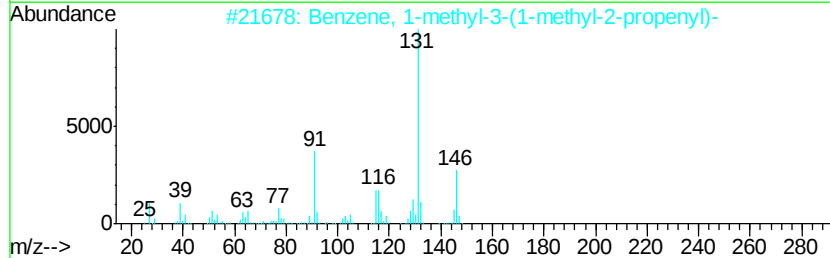
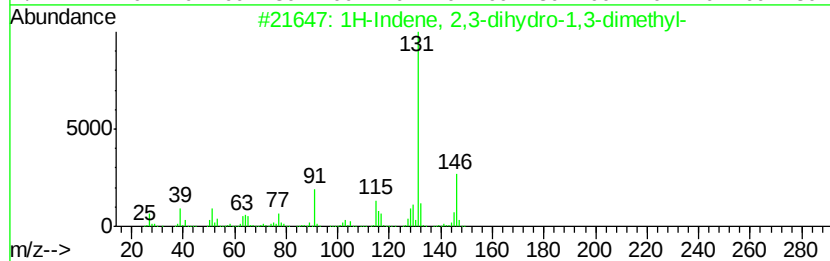
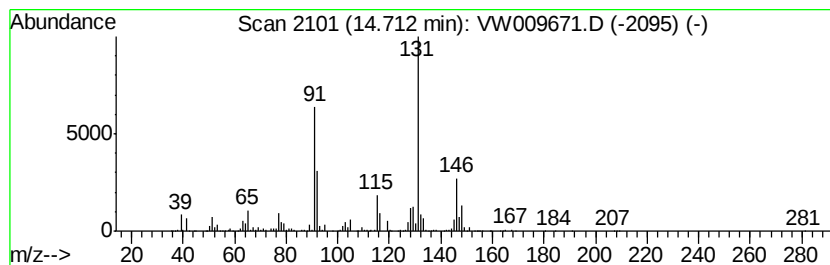
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Quant Title : VOC Analysis

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

Peak Number 20 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	29.01 ug/L	1144170	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	93
2		Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	91
3		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
4		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87
5		1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5B6

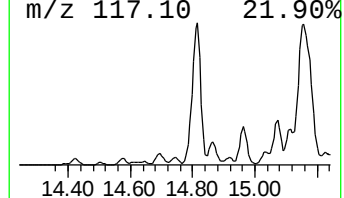
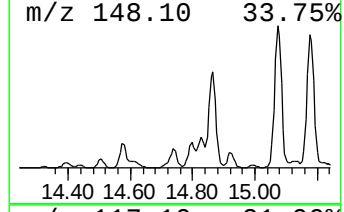
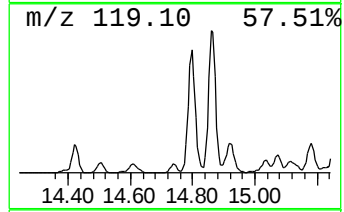
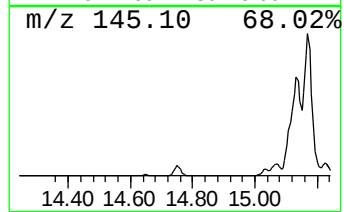
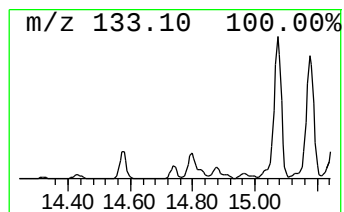
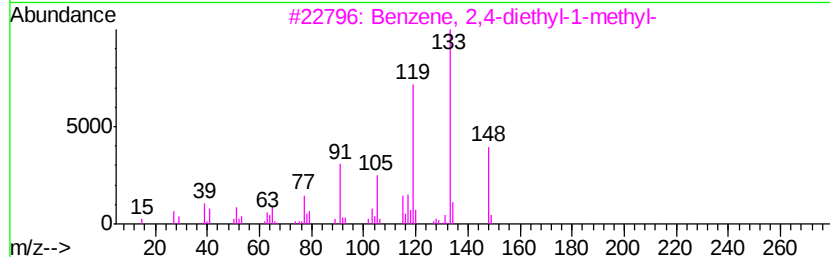
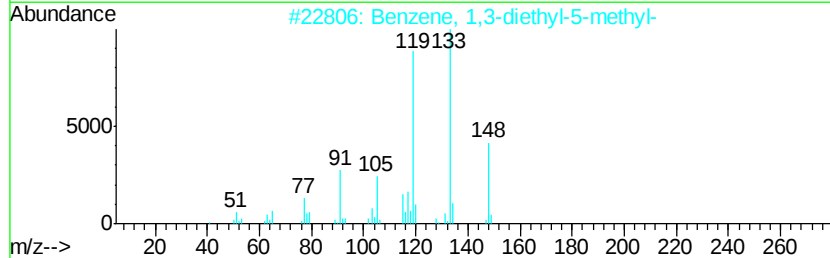
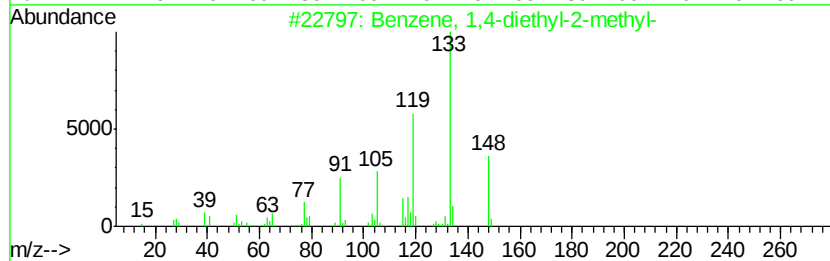
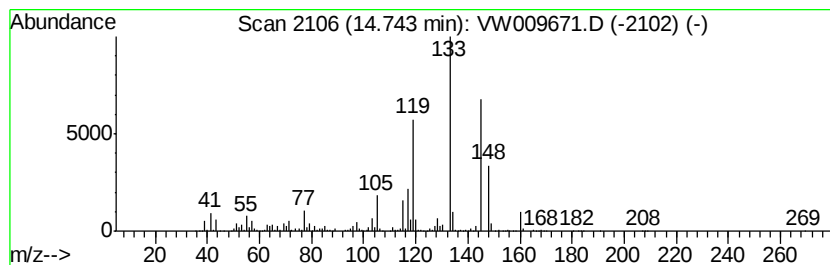
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Quant Title : VOC Analysis

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

Peak Number 21 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	31.25 ug/L	1232580	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	62
2		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	50
3		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	50
4		Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	46
5		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5B6

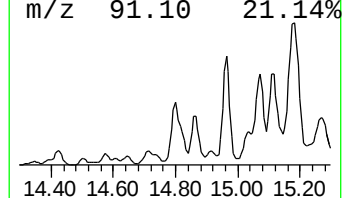
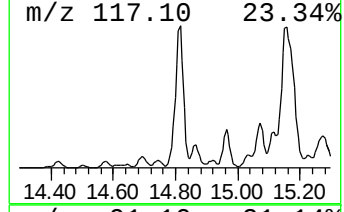
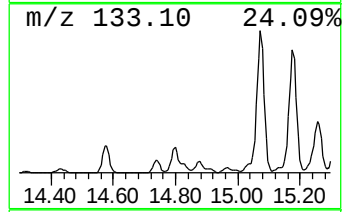
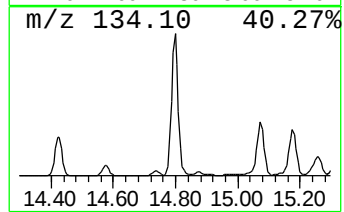
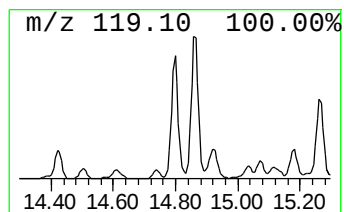
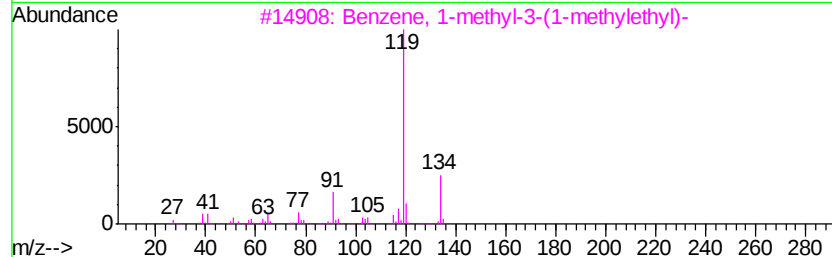
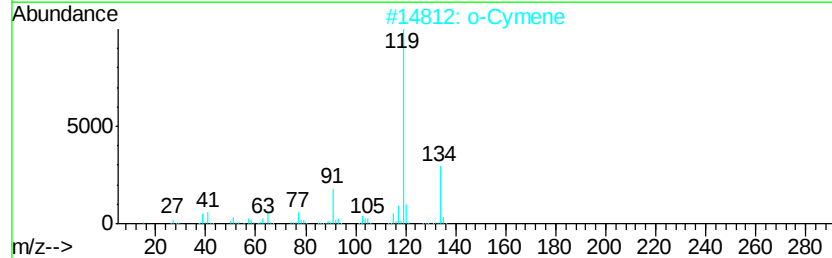
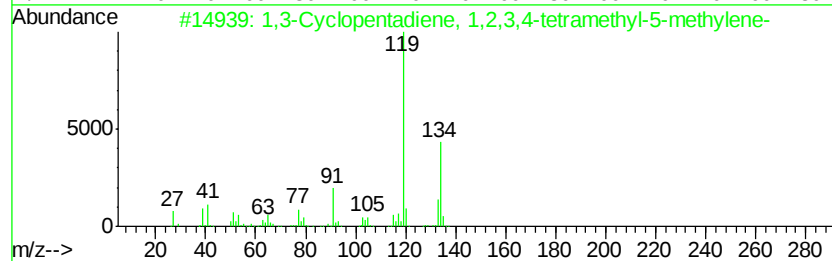
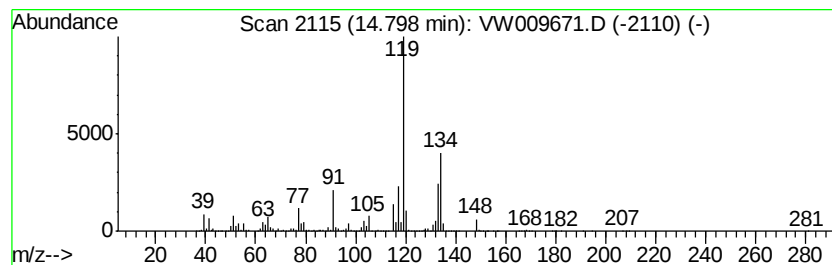
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Quant Title : VOC Analysis

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

Peak Number 22 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	446.55 ug/L	17613500	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	81
2		o-Cymene	134	C10H14	000527-84-4	76
3		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	76
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5B6

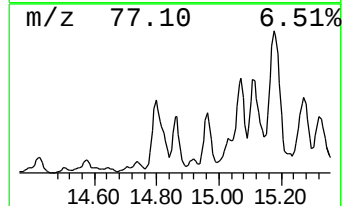
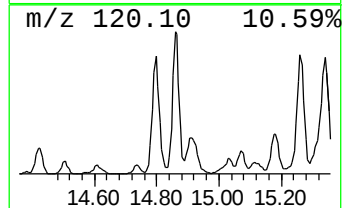
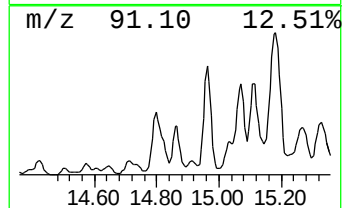
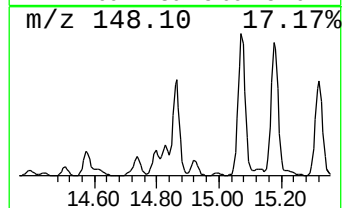
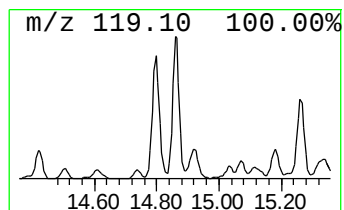
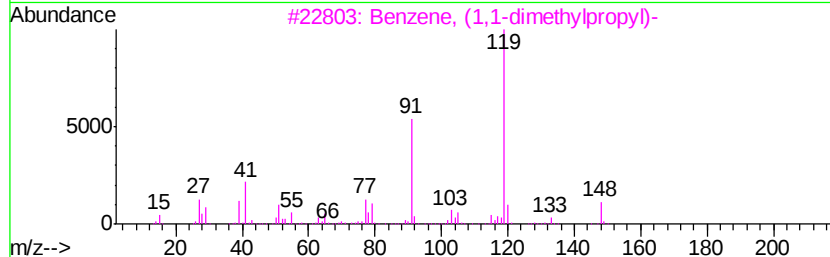
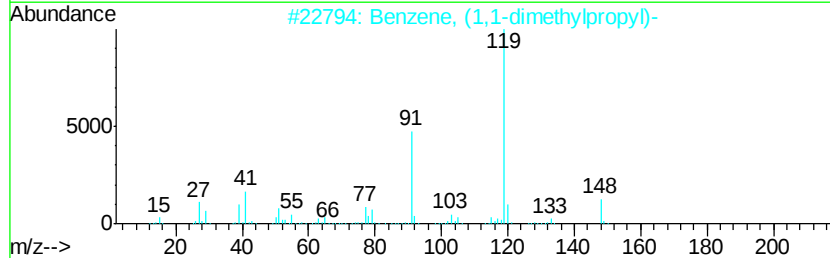
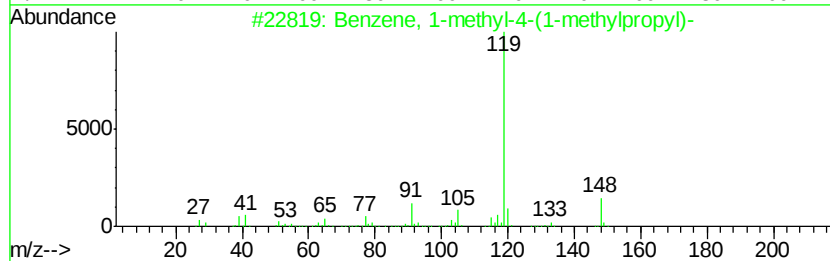
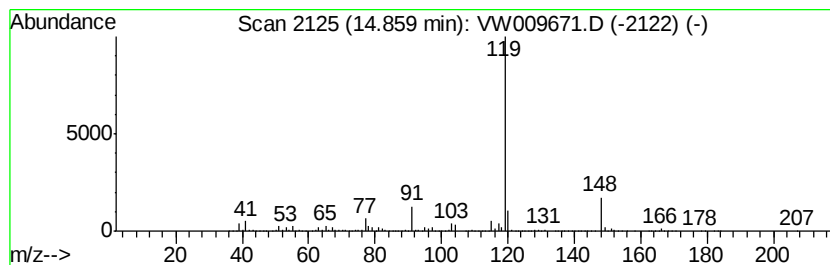
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Quant Title : VOC Analysis

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

Peak Number 23 Benzene, 1-methyl-4-(1-meth... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	218.16 ug/L	8604920	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	90
2		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	80
3		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	80
4		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	80
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5B6

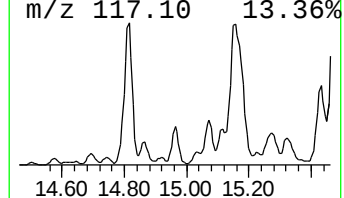
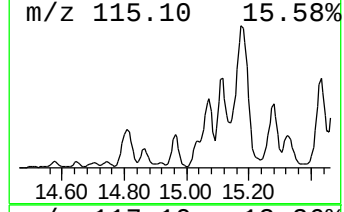
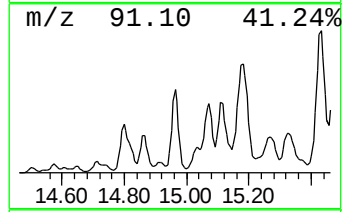
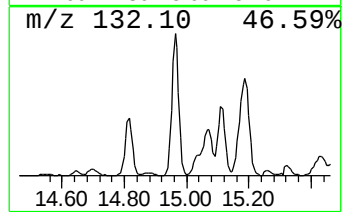
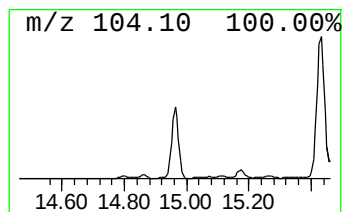
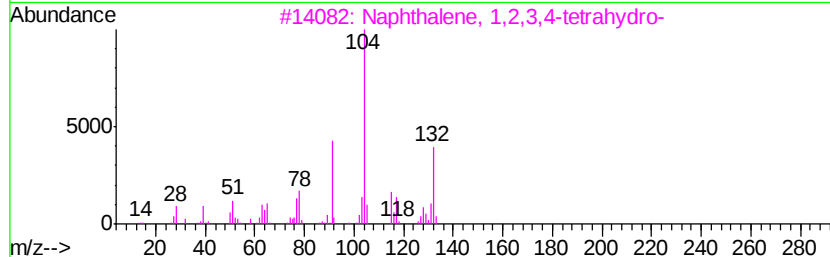
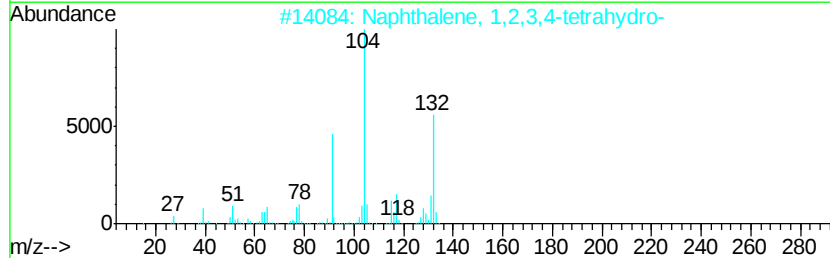
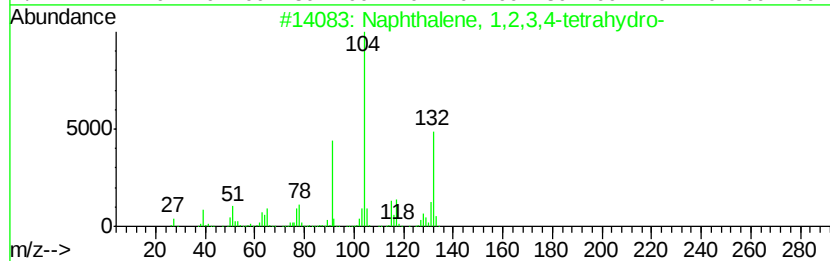
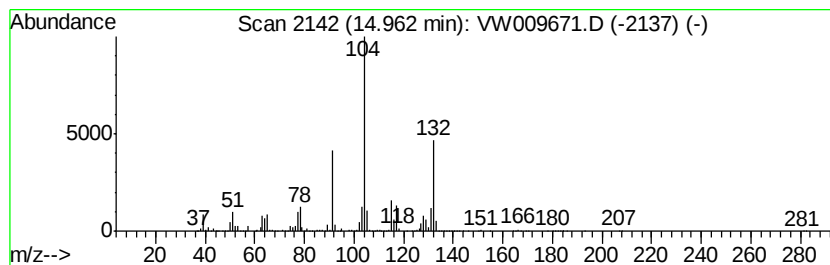
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Quant Title : VOC Analysis

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

Peak Number 24 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	248.08 ug/L	9784950	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	97
2		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
3		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
4		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
5		Benzene, cyclobutyl-	132	C10H12	004392-30-7	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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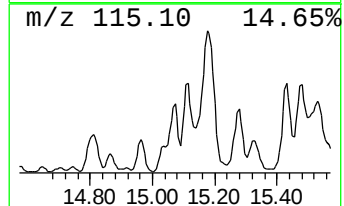
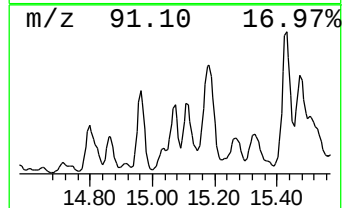
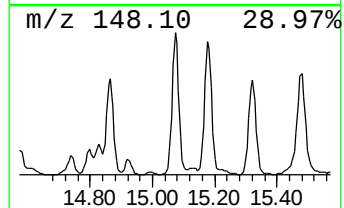
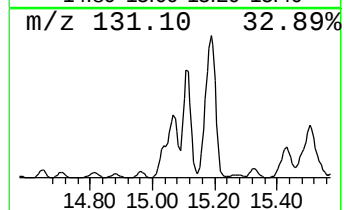
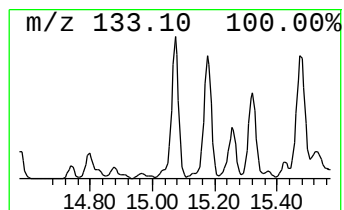
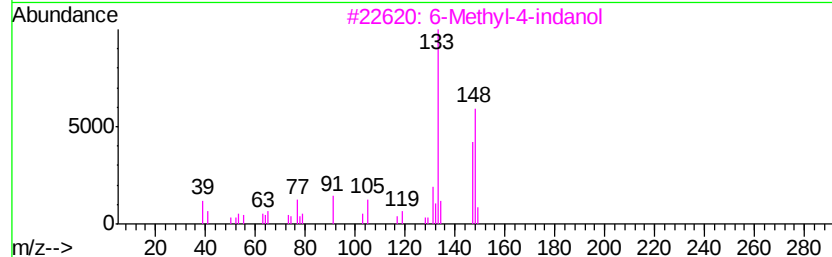
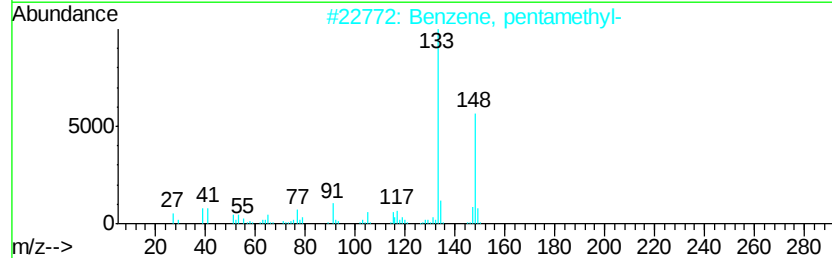
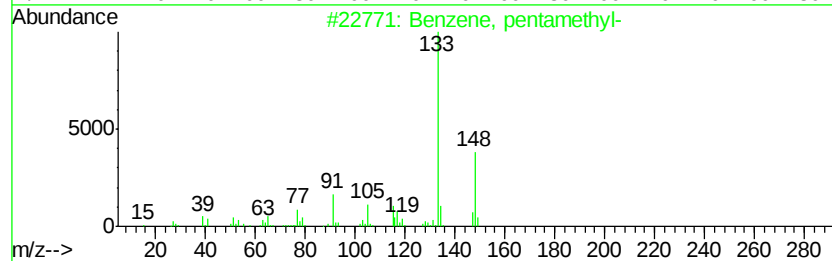
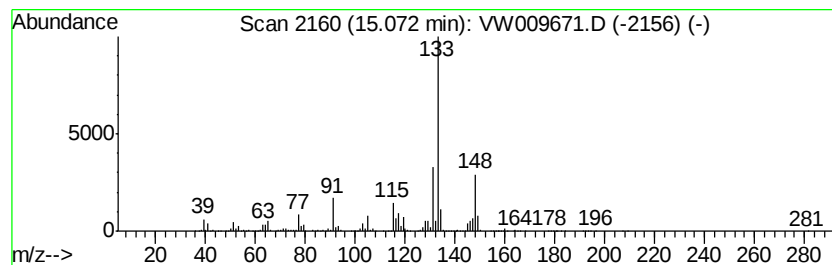
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Quant Title : VOC Analysis

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

Peak Number 26 Benzene, pentamethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	410.68 ug/L	16198700	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
2		Benzene, pentamethyl-	148	C11H16	000700-12-9	74
3		6-Methyl-4-indanol	148	C10H12O	020294-32-0	72
4		Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	68
5		Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	68



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5B6

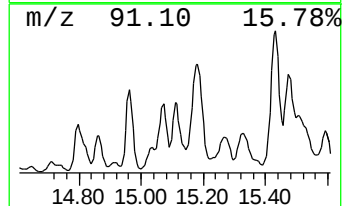
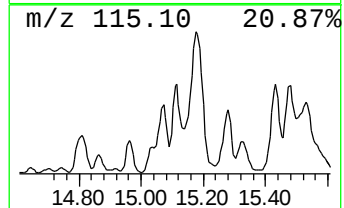
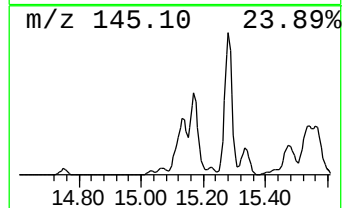
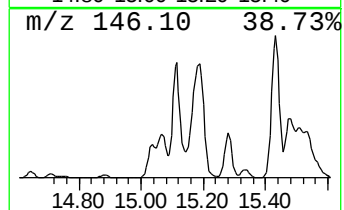
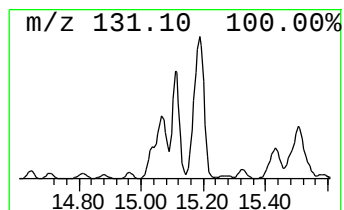
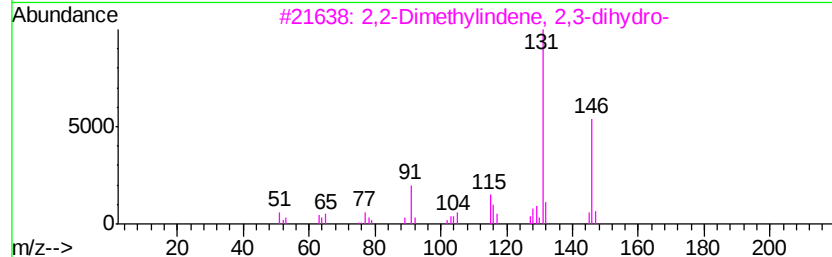
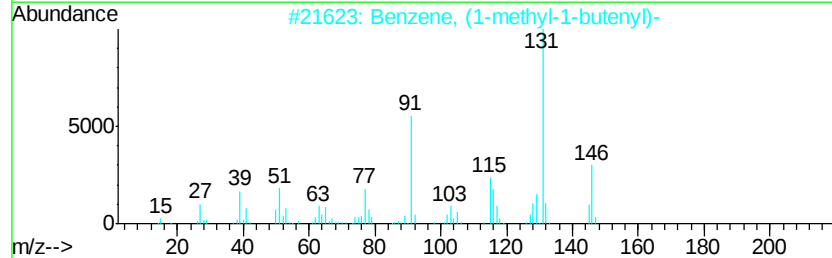
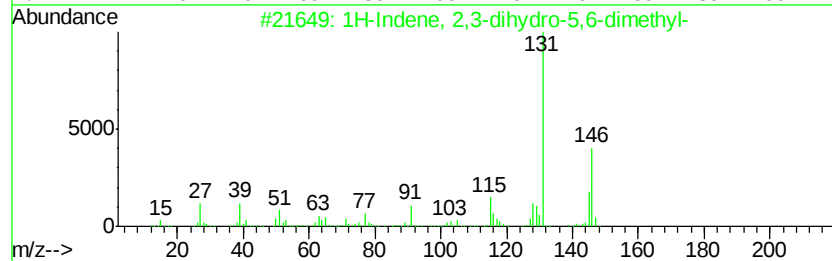
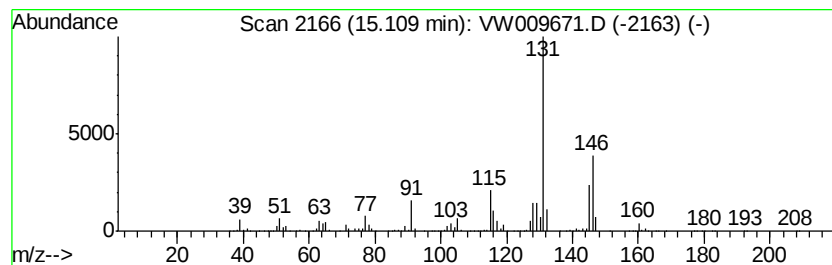
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Quant Title : VOC Analysis

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

Peak Number 27 1H-Indene, 2,3-dihydro-5,6-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	464.33 ug/L	18314700	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	94
2		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	91
3		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
5		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5B6

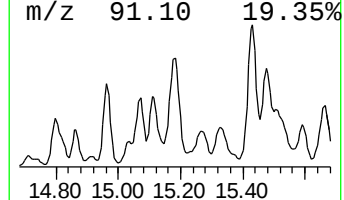
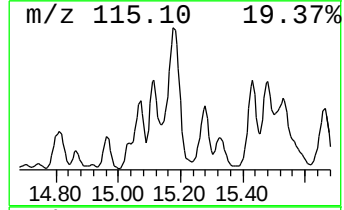
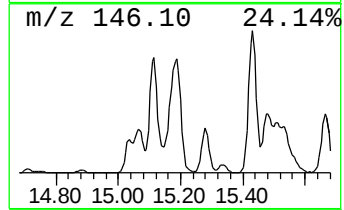
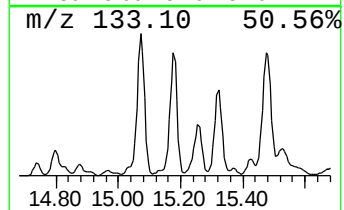
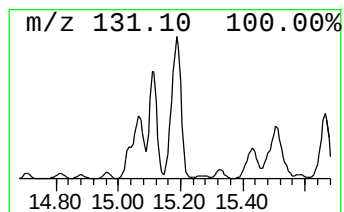
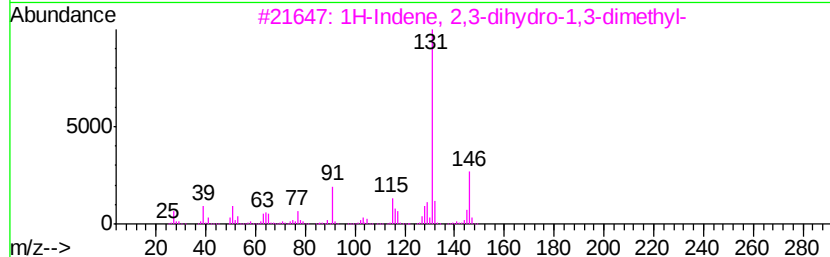
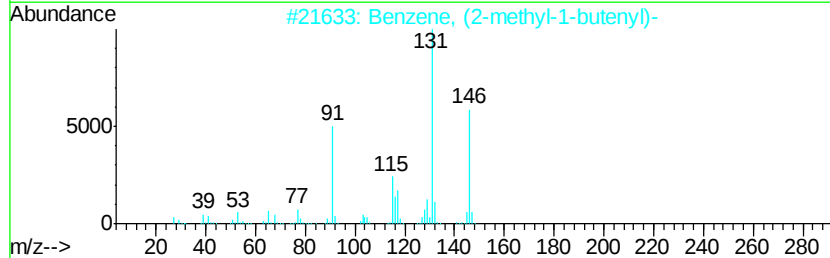
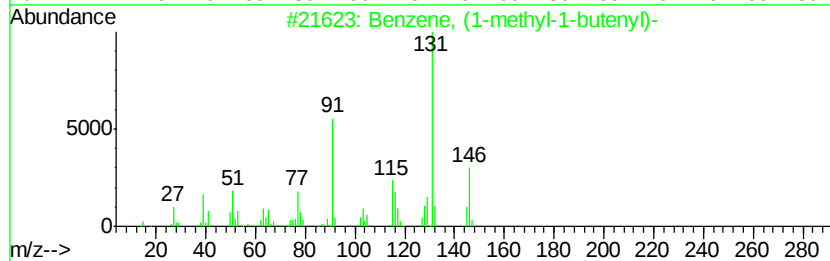
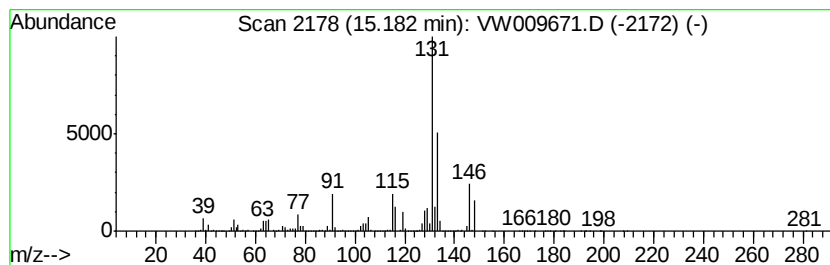
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Quant Title : VOC Analysis

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

Peak Number 28 Benzene, (1-methyl-1-butenyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	1174.67 ug/L	46333000	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	90
2		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	90
3		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	60
4		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	60
5		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5B6

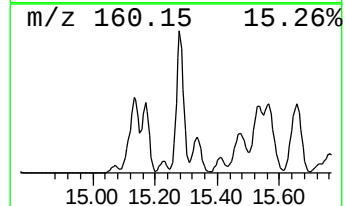
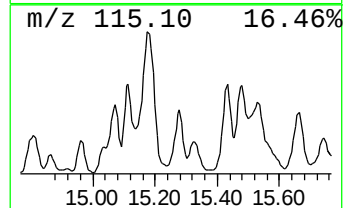
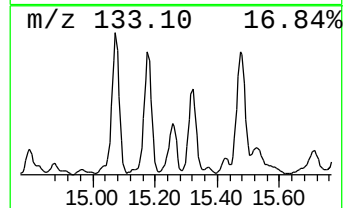
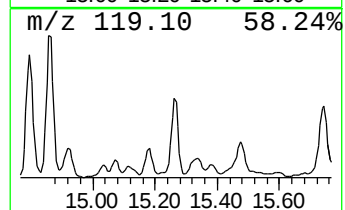
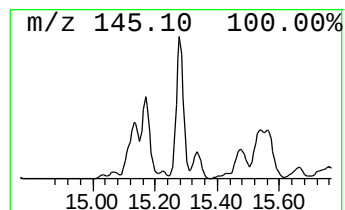
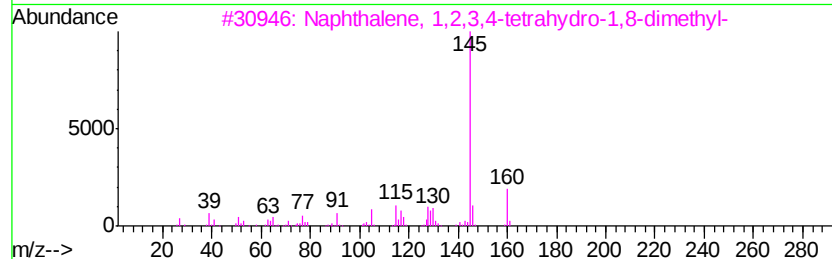
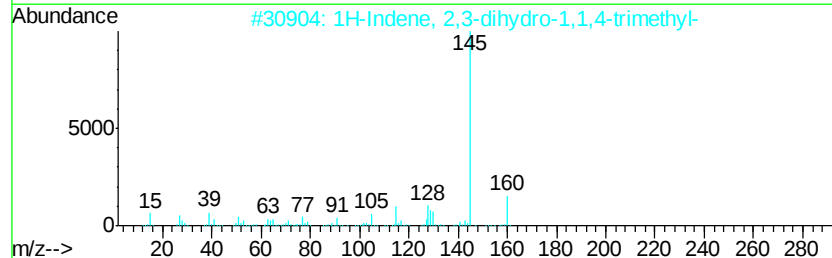
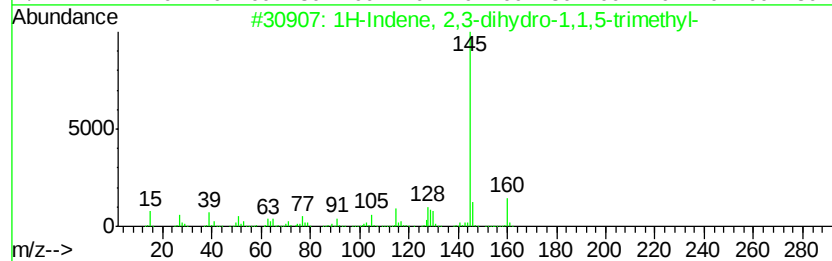
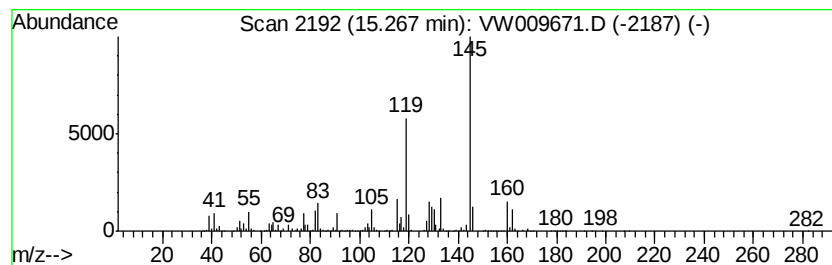
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Quant Title : VOC Analysis

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

Peak Number 29 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	557.03 ug/L	21970900	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	94
2		1H-Indene, 2,3-dihydro-1,1,4-tri...	160	C12H16	016204-72-1	94
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	87
4		1H-Indene, 2,3-dihydro-1,1,6-tri...	160	C12H16	014276-95-0	81
5		1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5B6

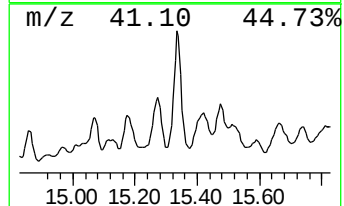
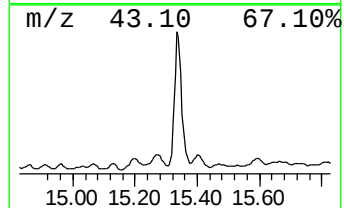
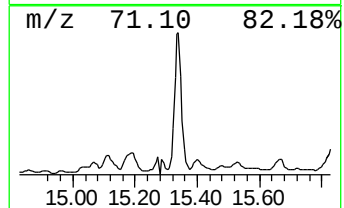
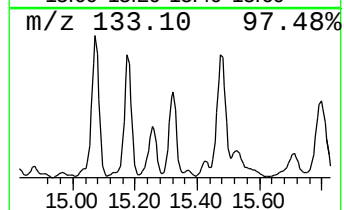
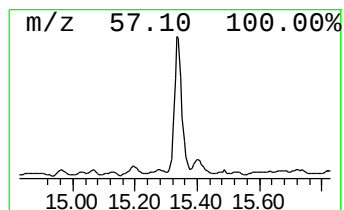
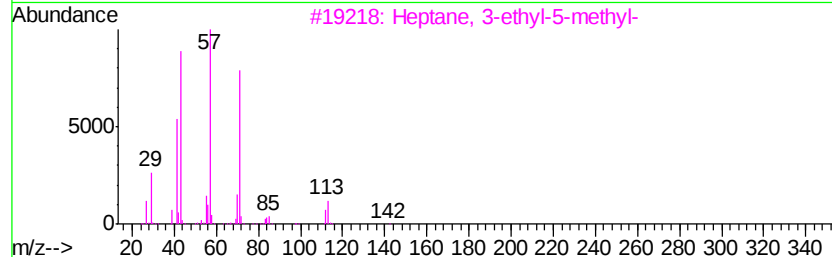
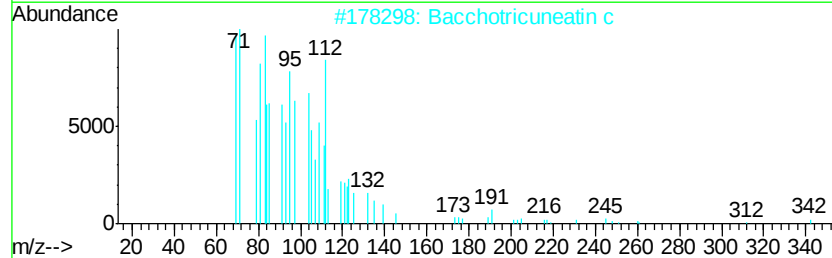
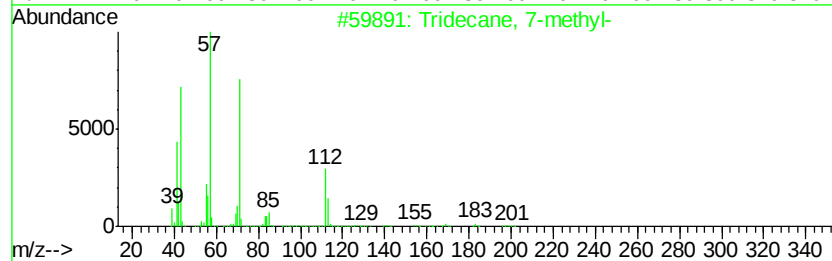
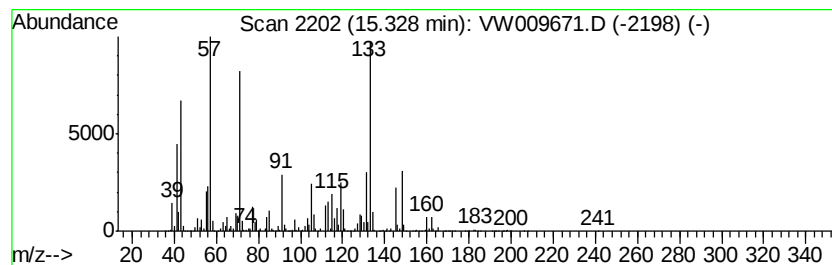
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Quant Title : VOC Analysis

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	426.73 ug/L	16831700	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 7-methyl-	198	C14H30	026730-14-3	55
2		Bacchotricuneatin c	342	C20H22O5	066563-30-2	53
3		Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	49
4		Nonane, 3-methyl-	142	C10H22	005911-04-6	47
5		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5B6

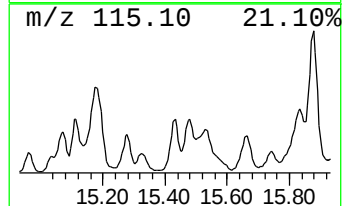
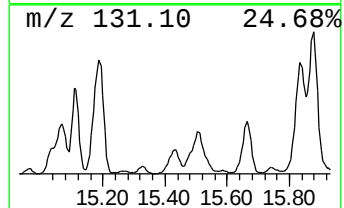
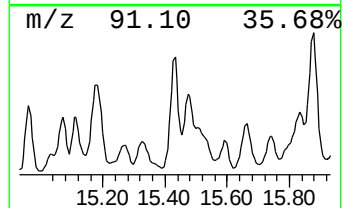
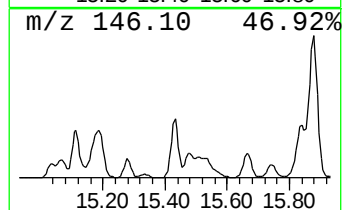
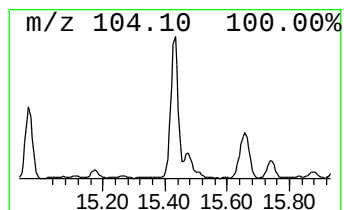
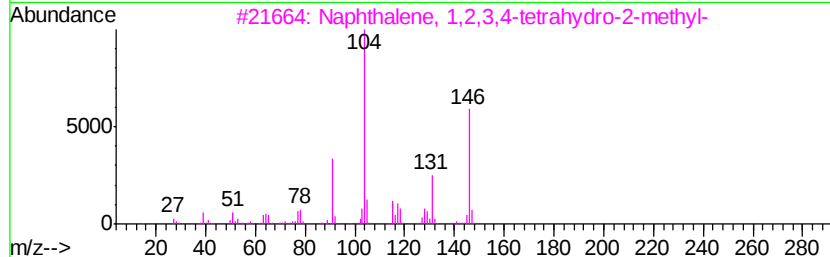
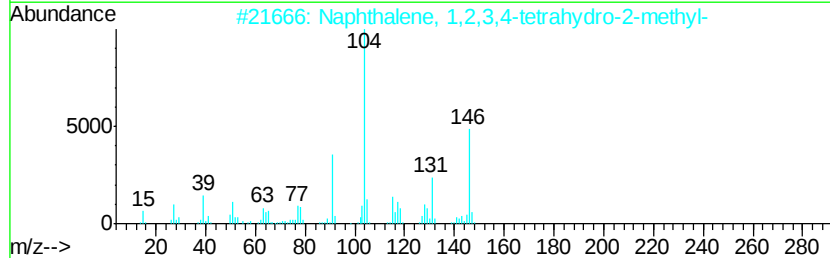
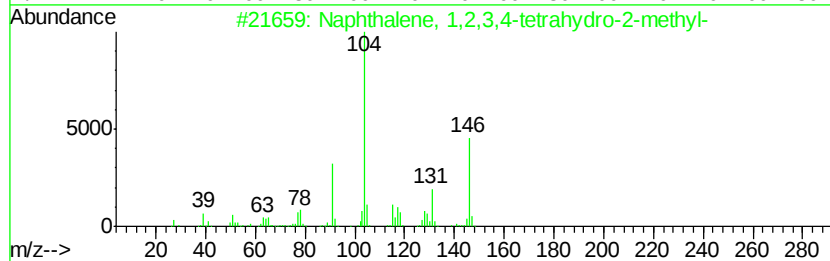
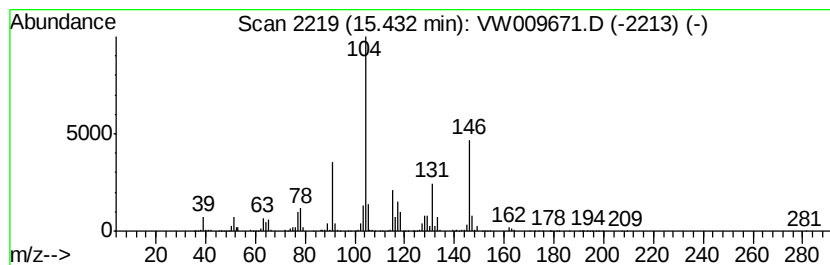
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Quant Title : VOC Analysis

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

Peak Number 31 Naphthalene, 1,2,3,4-tetra... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	654.69 ug/L	25823100	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	93
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	93
3		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	90
4		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	87
5		Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	68



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5B6

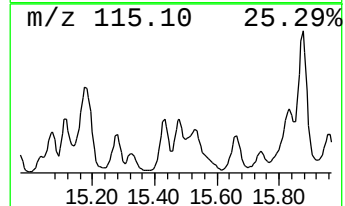
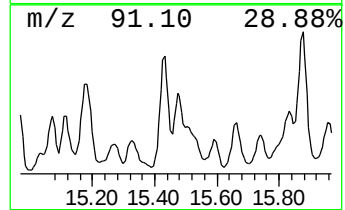
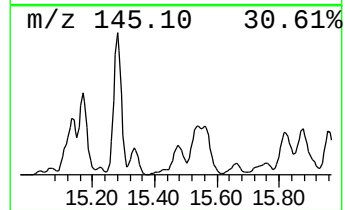
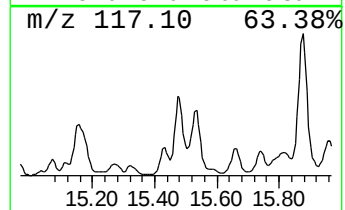
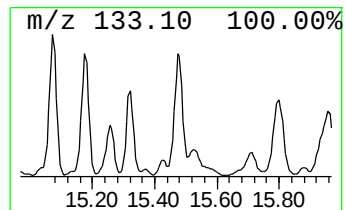
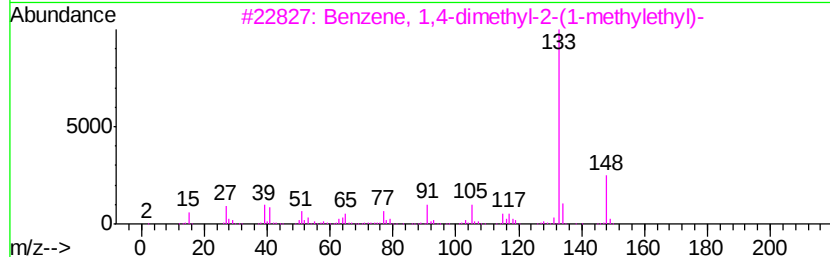
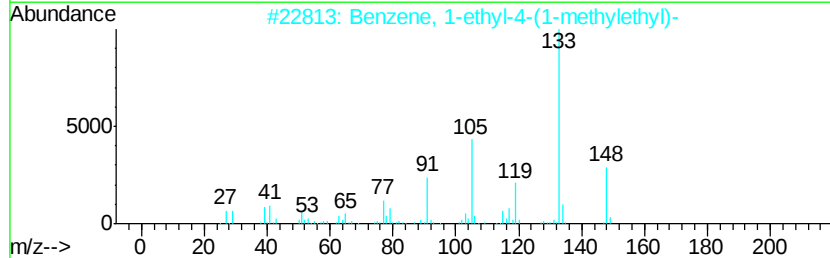
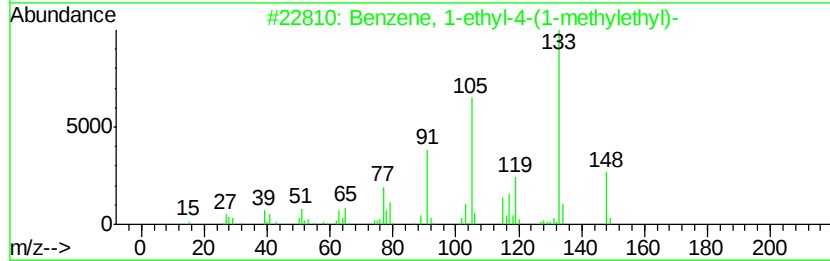
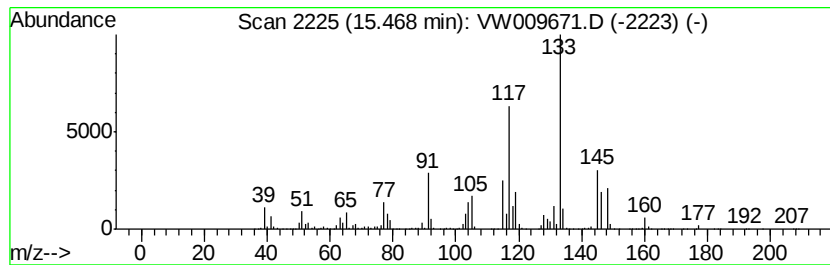
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Quant Title : VOC Analysis

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

Peak Number 32 unknown-02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	355.06 ug/L	14004800	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	49
2		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	46
3		Benzene, 1,4-dimethyl-2-(1-methv...	148	C11H16	004132-72-3	43
4		Benzoxazole, 2-methyl-	133	C8H7NO	000095-21-6	38
5		3,4-Dimethylcumene	148	C11H16	1000370-34-1	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5B6

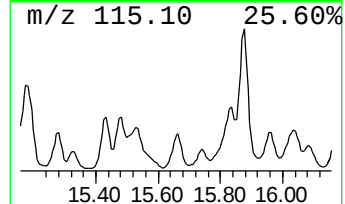
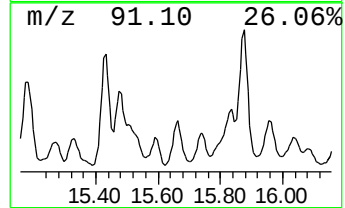
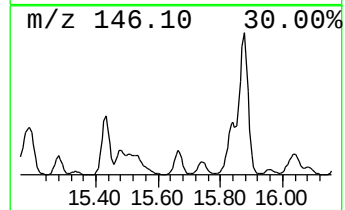
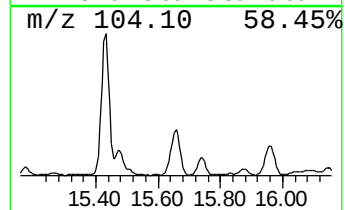
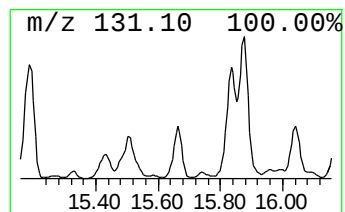
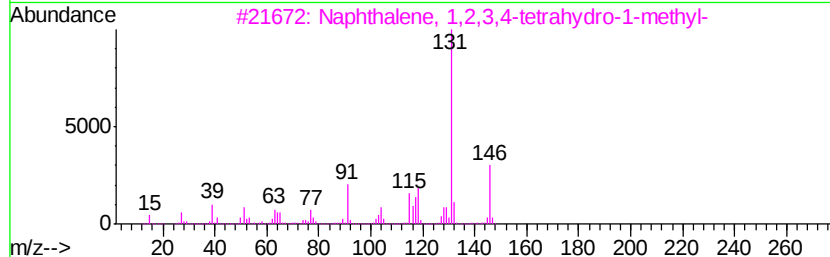
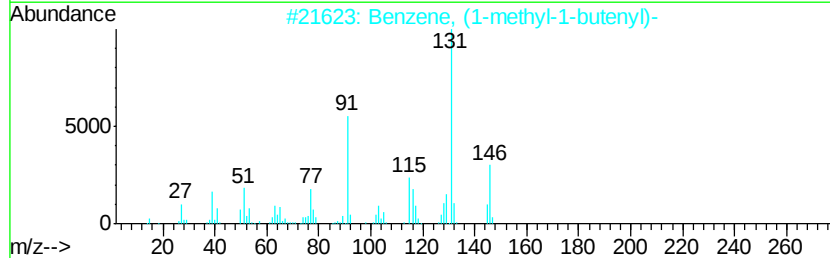
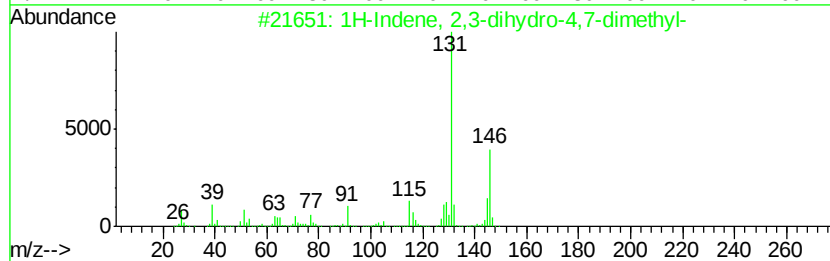
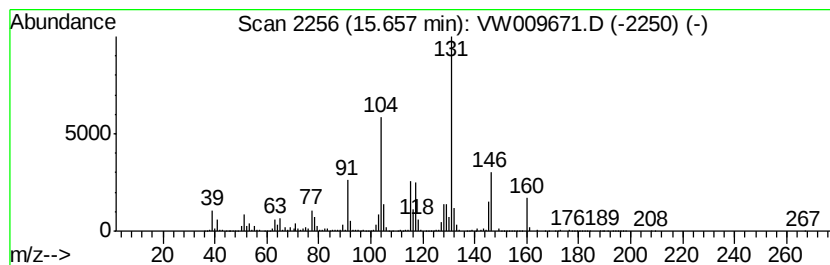
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 33 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	587.95 ug/L	23190800	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	83
2		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	83
3		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	76
4		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	70
5		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5B6

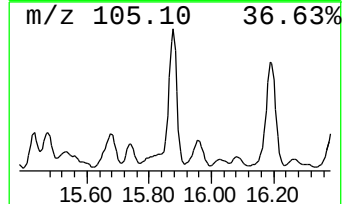
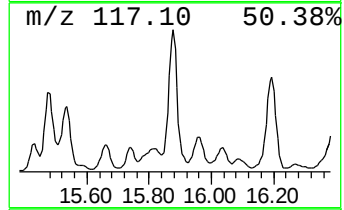
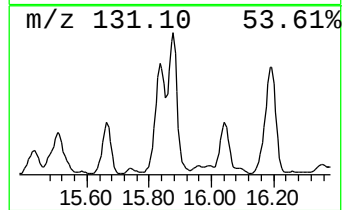
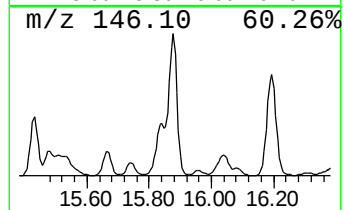
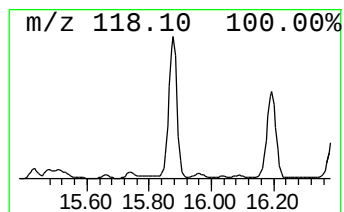
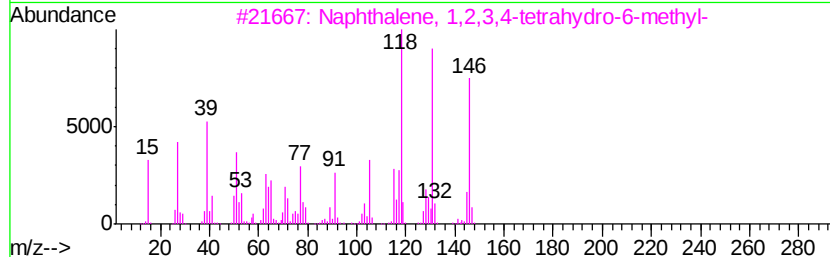
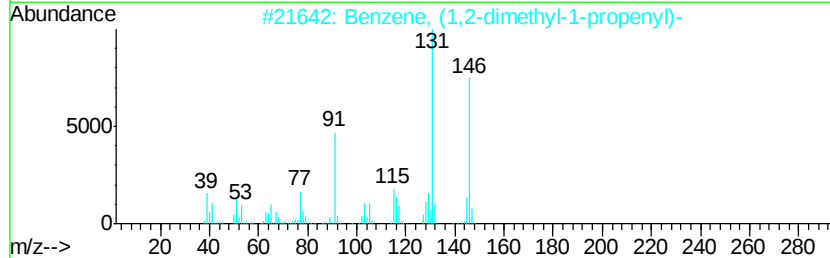
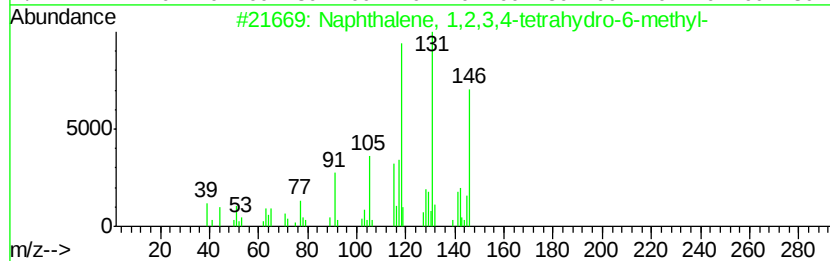
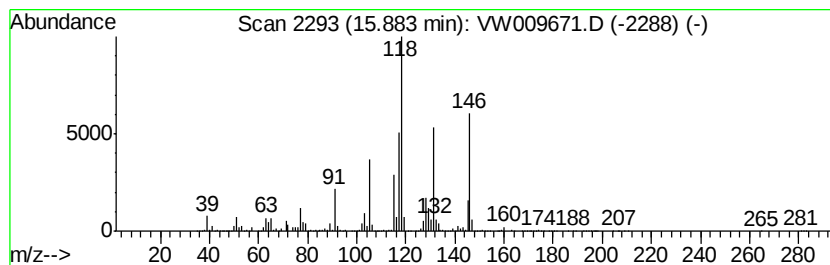
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Quant Title : VOC Analysis

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

Peak Number 35 Naphthalene, 1,2,3,4-tetra... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	1560.55 ug/L	61553400	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	87
2			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	86
3			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	83
4			2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	76
5			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

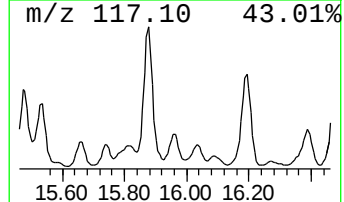
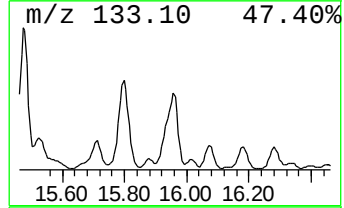
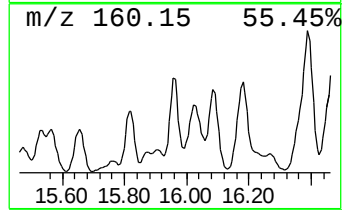
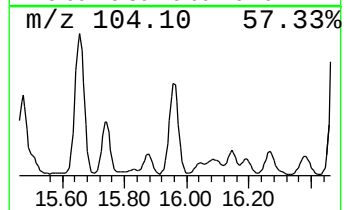
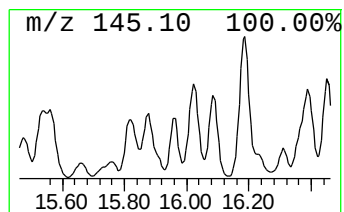
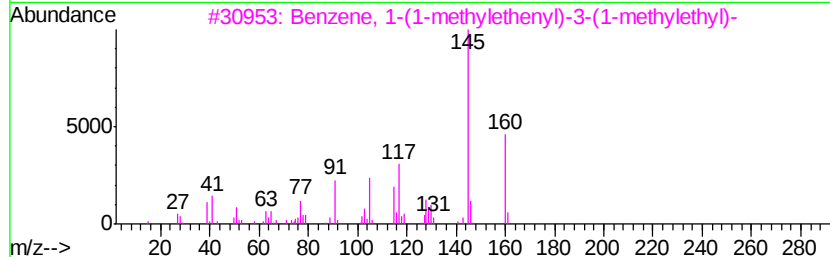
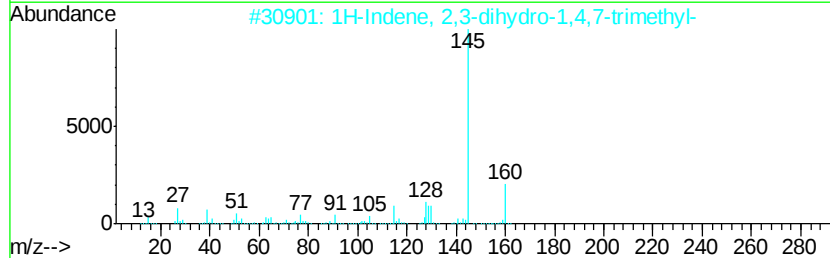
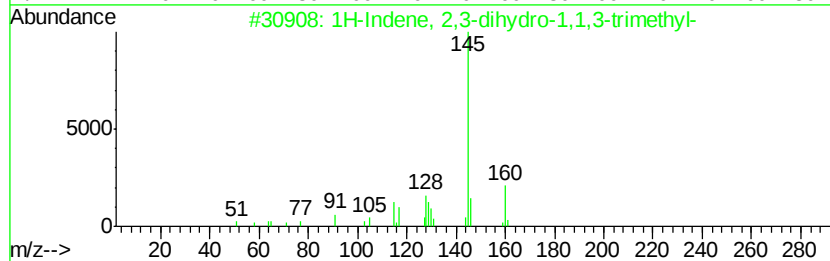
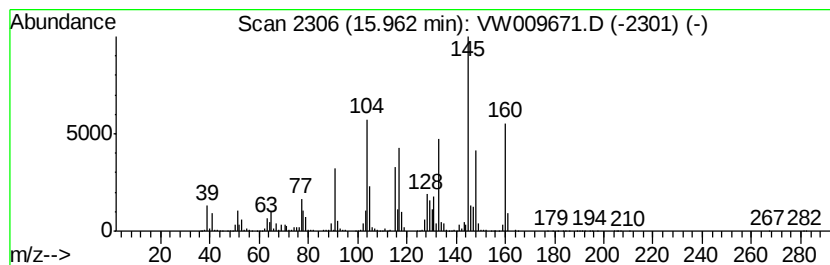
Instrument :
MSVOA_W
ClientSampleId :
BF5B6

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis

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

Peak Number 36 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.96	422.80 ug/L	16676500	1,4-Dichlorobenzene-d4	13.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16		002613-76-5	91
2	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16		054340-87-3	87
3	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16		001129-29-9	78
4	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16		054340-85-1	64
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16		021564-91-0	55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5B6

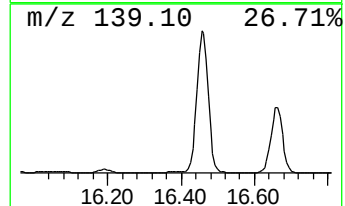
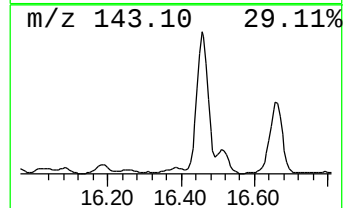
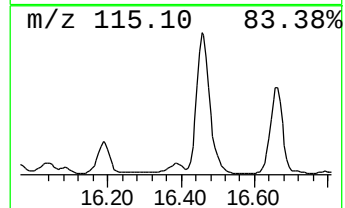
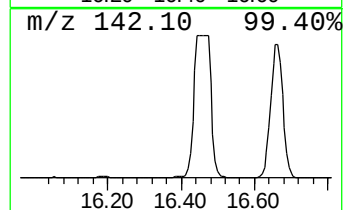
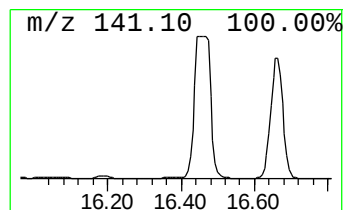
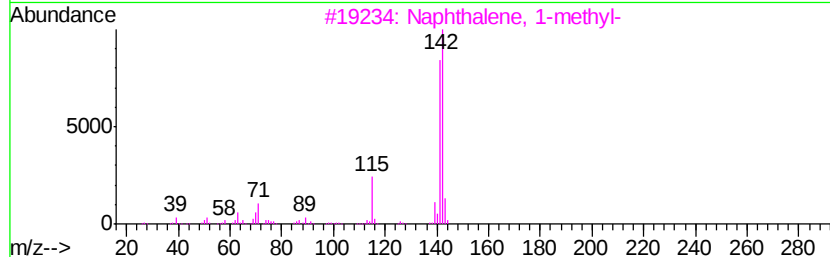
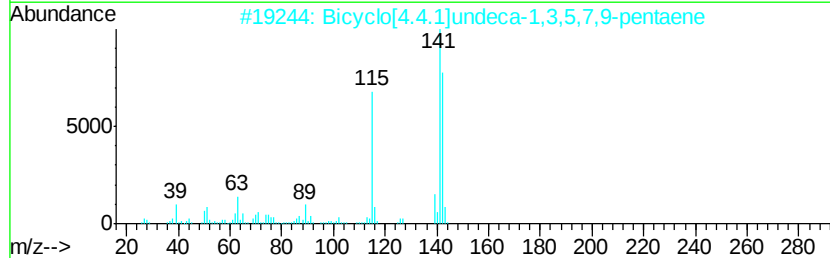
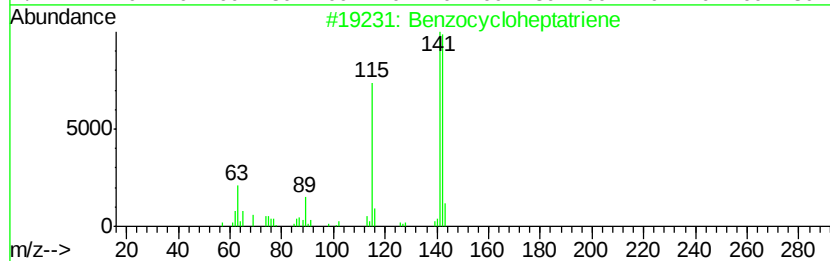
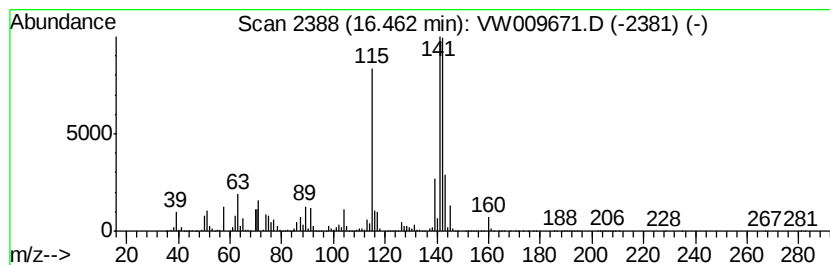
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Quant Title : VOC Analysis

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

Peak Number 38 Benzocycloheptatriene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	5005.85 ug/L	197447000	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzocycloheptatriene	142	C11H10	000264-09-5	96
2		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	95
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90
5		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW040319\
Data File : VW009671.D
Acq On : 03 Apr 2019 21:17
Operator : SY/VA
Sample : K2119-19
Misc : 4.91G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BF5B6

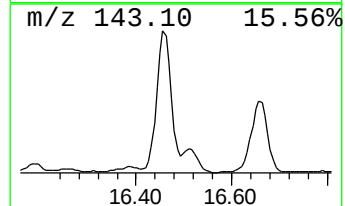
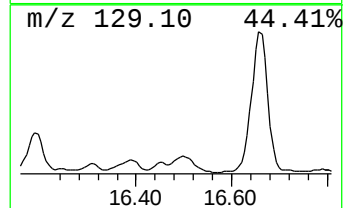
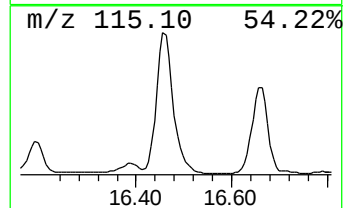
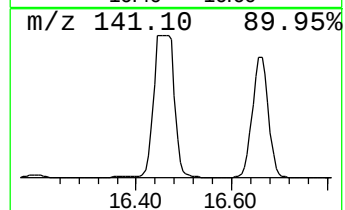
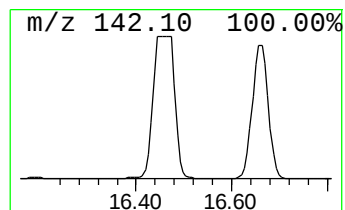
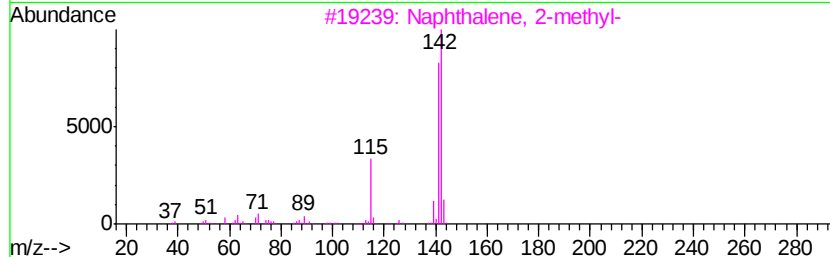
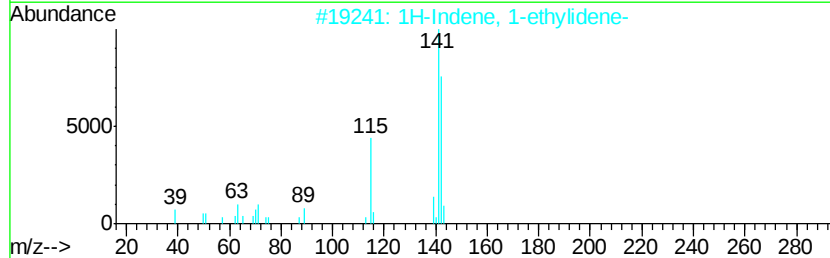
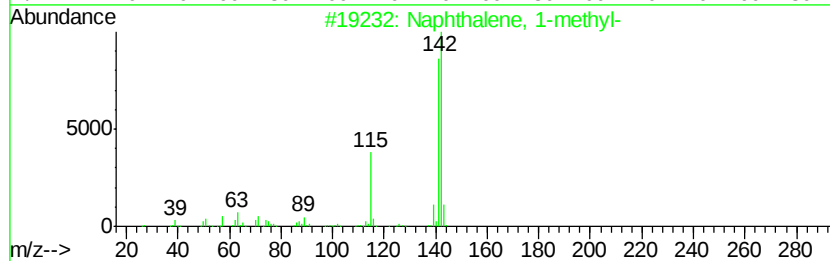
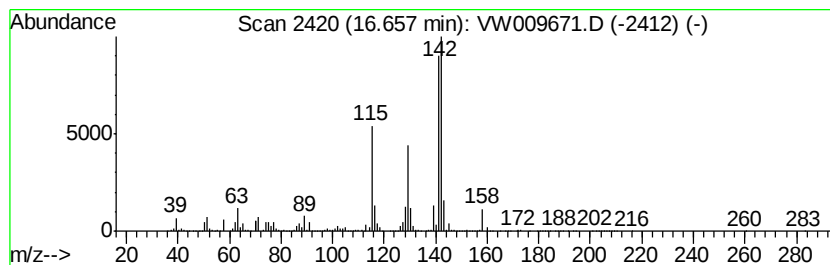
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Quant Title : VOC Analysis

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

Peak Number 39 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	2508.09 ug/L	98927400	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
2		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	89
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	89
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	83
5		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	76



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040319\
 Data File : VW009671.D
 Acq On : 03 Apr 2019 21:17
 Operator : SY/VA
 Sample : K2119-19
 Misc : 4.91G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF5B6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Cyc...	12.14	1.7	ug/L	94729	2	11.63	1379650	25.0
Bicyclo[3.3.1]nonane	12.34	1.3	ug/L	70423	2	11.63	1379650	25.0
(DEL) Alkane: Cyc...	12.38	1.6	ug/L	85459	2	11.63	1379650	25.0
unknown-01	12.79	2.7	ug/L	106762	3	13.56	986083	25.0
Pentalene, octahy...	13.18	2.0	ug/L	80599	3	13.56	986083	25.0
Benzene, 1,4-diet...	13.72	1.7	ug/L	65302	3	13.56	986083	25.0
Benzene, 1-methyl...	13.95	4.1	ug/L	162234	3	13.56	986083	25.0
Benzene, 2-ethyl-...	14.10	23.7	ug/L	935411	3	13.56	986083	25.0
1-Phenyl-1-butene	14.16	2.2	ug/L	87617	3	13.56	986083	25.0
2,2-Dimethylinden...	14.27	5.9	ug/L	231504	3	13.56	986083	25.0
1H-Indene, 2,3-di...	14.35	17.9	ug/L	705042	3	13.56	986083	25.0
Naphthalene, deca...	14.39	25.8	ug/L	1016610	3	13.56	986083	25.0
Benzene, 1,2,4,5-...	14.42	67.2	ug/L	2651910	3	13.56	986083	25.0
o-Cymene	14.51	23.1	ug/L	910861	3	13.56	986083	25.0
Benzene, 2,4-dime...	14.57	73.5	ug/L	2899660	3	13.56	986083	25.0
Benzene, (2-methy...	14.65	25.5	ug/L	1005320	3	13.56	986083	25.0
1H-Indene, 2,3-di...	14.71	29.0	ug/L	1144170	3	13.56	986083	25.0
Benzene, 1,4-diet...	14.74	31.3	ug/L	1232580	3	13.56	986083	25.0
1,3-Cyclopentadie...	14.80	446.6	ug/L	17613500	3	13.56	986083	25.0
Benzene, 1-methyl...	14.86	218.2	ug/L	8604920	3	13.56	986083	25.0
Naphthalene, 1,2,...	14.96	248.1	ug/L	9784950	3	13.56	986083	25.0
Benzene, pentamet...	15.07	410.7	ug/L	16198700	3	13.56	986083	25.0
1H-Indene, 2,3-di...	15.11	464.3	ug/L	18314700	3	13.56	986083	25.0
Benzene, (1-methy...	15.18	1174.7	ug/L	46333000	3	13.56	986083	25.0
1H-Indene, 2,3-di...	15.27	557.0	ug/L	21970900	3	13.56	986083	25.0
(DEL) Alkane: Str...	15.33	426.7	ug/L	16831700	3	13.56	986083	25.0
Naphthalene, 1,2,...	15.43	654.7	ug/L	25823100	3	13.56	986083	25.0
unknown-02	15.47	355.1	ug/L	14004800	3	13.56	986083	25.0
1H-Indene, 2,3-di...	15.66	588.0	ug/L	23190800	3	13.56	986083	25.0
Naphthalene, 1,2,...	15.88	1560.6	ug/L	61553400	3	13.56	986083	25.0
1H-Indene, 2,3-di...	15.96	422.8	ug/L	16676500	3	13.56	986083	25.0
Benzocycloheptatr...	16.46	5005.9	ug/L	197447000	3	13.56	986083	25.0
Naphthalene, 1-me...	16.66	2508.1	ug/L	98927400	3	13.56	986083	25.0