

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
 Data File : VW018190.D
 Acq On : 17 Feb 2021 16:36
 Operator : SY/VA
 Sample : M1414-09RE
 Misc : 5.72G/10ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBGX5RE

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M

Title : VOC Analysis

Signal : TIC: VW018190.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.160	38	42	48	rBV5	2114	4780	0.51%	0.076%
2	2.355	68	74	87	rVB	48514	98754	10.53%	1.566%
3	2.495	94	97	103	rBV2	2431	4881	0.52%	0.077%
4	2.812	147	149	150	rBV2	439	396	0.04%	0.006%
5	2.898	154	163	178	rVV	47609	125263	13.36%	1.986%
6	3.367	235	240	241	rBV	228	392	0.04%	0.006%
7	3.538	264	268	269	rBV2	421	424	0.05%	0.007%
8	3.684	285	292	306	rBV4	2569	6442	0.69%	0.102%
9	4.025	335	348	360	rBV2	97662	319729	34.11%	5.070%
10	4.379	404	406	408	rBV2	410	366	0.04%	0.006%
11	4.922	485	495	508	rBV2	4244	15468	1.65%	0.245%
12	5.787	627	637	638	rBV5	745	1499	0.16%	0.024%
13	5.940	654	662	673	rBV5	2029	5556	0.59%	0.088%
14	6.891	811	818	819	rVV3	375	523	0.06%	0.008%
15	6.982	826	833	839	rBV5	891	1959	0.21%	0.031%
16	7.074	839	848	873	rBV2	23178	78867	8.41%	1.251%
17	7.531	918	923	924	rBV3	660	708	0.08%	0.011%
18	7.653	932	943	957	rBV	193883	475774	50.75%	7.545%
19	7.878	978	980	985	rVV2	223	338	0.04%	0.005%
20	7.958	985	993	1000	rVV4	6492	16489	1.76%	0.261%
21	8.037	1000	1006	1015	rVV4	4375	11101	1.18%	0.176%
22	8.275	1034	1045	1064	rVV2	328823	937413	100.00%	14.865%
23	8.476	1069	1078	1092	rBV2	20211	54473	5.81%	0.864%
24	8.708	1110	1116	1120	rBV4	460	708	0.08%	0.011%
25	8.842	1129	1138	1155	rBV	251918	493538	52.65%	7.826%
26	9.079	1174	1177	1179	rBV2	288	369	0.04%	0.006%
27	9.275	1199	1209	1217	rBV	254990	512891	54.71%	8.133%
28	9.451	1232	1238	1246	rVB3	2084	5336	0.57%	0.085%
29	9.707	1277	1280	1283	rBV3	288	402	0.04%	0.006%
30	9.756	1283	1288	1296	rVB4	4719	8478	0.90%	0.134%
31	9.854	1297	1304	1307	rBV2	6711	12067	1.29%	0.191%
32	10.037	1325	1334	1343	rBV	56051	104047	11.10%	1.650%
33	10.207	1358	1362	1365	rBV2	1023	1656	0.18%	0.026%
34	10.250	1365	1369	1373	rVV2	1116	1896	0.20%	0.030%
35	10.323	1373	1381	1389	rVV	334429	595283	63.50%	9.440%
36	10.390	1389	1392	1398	rVV2	3185	5042	0.54%	0.080%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
 Title : VOC Analysis

37	10.579	1416	1423	1431	rVB2	18991	32657	3.48%	0.518%
38	10.658	1434	1436	1439	rBV2	295	373	0.04%	0.006%
39	10.707	1439	1444	1447	rVV	1747	2858	0.30%	0.045%
40	10.738	1447	1449	1457	rVB4	1632	2875	0.31%	0.046%
41	10.927	1473	1480	1490	rBV	80110	138945	14.82%	2.203%
42	11.018	1490	1495	1499	rVV3	1725	2804	0.30%	0.044%
43	11.055	1499	1501	1509	rVB4	1448	2706	0.29%	0.043%
44	11.140	1512	1515	1517	rBV2	424	473	0.05%	0.008%
45	11.177	1519	1521	1522	rBV	426	447	0.05%	0.007%
46	11.469	1566	1569	1573	rVB2	756	1152	0.12%	0.018%
47	11.536	1573	1580	1585	rBV4	1344	2132	0.23%	0.034%
48	11.628	1587	1595	1605	rBV	147400	252523	26.94%	4.004%
49	11.731	1608	1612	1615	rVB4	409	596	0.06%	0.009%
50	11.817	1620	1626	1632	rBV3	5855	10545	1.12%	0.167%
51	11.866	1632	1634	1636	rBV3	446	314	0.03%	0.005%
52	11.933	1640	1645	1655	rVB5	2137	3600	0.38%	0.057%
53	12.055	1658	1665	1669	rBV2	900	1569	0.17%	0.025%
54	12.097	1669	1672	1674	rBV3	658	790	0.08%	0.013%
55	12.134	1676	1678	1680	rBV3	757	601	0.06%	0.010%
56	12.170	1682	1684	1689	rVB4	1013	1292	0.14%	0.020%
57	12.231	1692	1694	1701	rVB5	552	894	0.10%	0.014%
58	12.298	1701	1705	1708	rBV4	1573	2443	0.26%	0.039%
59	12.365	1710	1716	1720	rVB3	5406	9700	1.03%	0.154%
60	12.432	1722	1727	1728	rBV4	1937	3408	0.36%	0.054%
61	12.463	1728	1732	1737	rVB3	6084	10967	1.17%	0.174%
62	12.530	1737	1743	1749	rBV3	9370	20654	2.20%	0.328%
63	12.609	1750	1756	1763	rVB3	10378	23206	2.48%	0.368%
64	12.695	1763	1770	1778	rBV	161432	299780	31.98%	4.754%
65	12.780	1778	1784	1788	rBV3	11042	19020	2.03%	0.302%
66	12.951	1800	1812	1819	rBV	78417	154033	16.43%	2.443%
67	13.048	1820	1828	1839	rVB	245426	420643	44.87%	6.670%
68	13.207	1844	1854	1859	rBV	27943	48554	5.18%	0.770%
69	13.298	1868	1869	1877	rVB5	1974	3023	0.32%	0.048%
70	13.469	1891	1897	1906	rBV3	15151	28526	3.04%	0.452%
71	13.554	1906	1911	1917	rBV2	40027	65922	7.03%	1.045%
72	13.652	1922	1927	1934	rVB	12262	19019	2.03%	0.302%
73	13.707	1934	1936	1940	rVB4	1502	1670	0.18%	0.026%
74	13.762	1941	1945	1948	rBV5	904	1723	0.18%	0.027%
75	13.804	1949	1952	1953	rBV2	920	909	0.10%	0.014%
76	13.853	1954	1960	1972	rVB	69852	122253	13.04%	1.939%

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Title : VOC Analysis

77	14.066	1991	1995	2009	rVB2	7874	18942	2.02%	0.300%
78	14.200	2010	2017	2022	rBV4	9803	21335	2.28%	0.338%
79	14.255	2022	2026	2034	rVB8	3918	9392	1.00%	0.149%
80	14.341	2034	2040	2051	rBV	29684	69636	7.43%	1.104%
81	14.524	2064	2070	2073	rBV4	12793	21504	2.29%	0.341%
82	14.572	2073	2078	2084	rVB	205293	303280	32.35%	4.809%
83	14.652	2085	2091	2094	rVV3	25524	47940	5.11%	0.760%
84	14.682	2094	2096	2102	rVV2	25673	39571	4.22%	0.628%
85	14.743	2102	2106	2108	rVV	9605	15581	1.66%	0.247%
86	14.774	2108	2111	2118	rVB	26018	41298	4.41%	0.655%
87	14.883	2124	2129	2132	rBV4	5554	10523	1.12%	0.167%
88	14.926	2132	2136	2143	rVB	24851	39202	4.18%	0.622%
89	15.005	2145	2149	2153	rVB6	2171	3647	0.39%	0.058%
90	15.072	2153	2160	2166	rBV6	5291	12710	1.36%	0.202%
91	15.401	2210	2214	2219	rVB3	2724	4544	0.48%	0.072%
92	15.493	2222	2229	2237	rBV2	4162	10309	1.10%	0.163%
93	15.566	2239	2241	2242	rBV2	1063	928	0.10%	0.015%
94	15.718	2263	2266	2267	rBV3	479	446	0.05%	0.007%
95	15.798	2274	2279	2284	rVB6	2338	4314	0.46%	0.068%
96	15.840	2284	2286	2288	rBV3	459	365	0.04%	0.006%
97	15.938	2300	2302	2303	rBV2	648	581	0.06%	0.009%
98	15.981	2304	2309	2314	rVB2	4996	9059	0.97%	0.144%
99	16.493	2389	2393	2394	rBV4	1283	1577	0.17%	0.025%
100	16.706	2426	2428	2430	rBV3	422	455	0.05%	0.007%

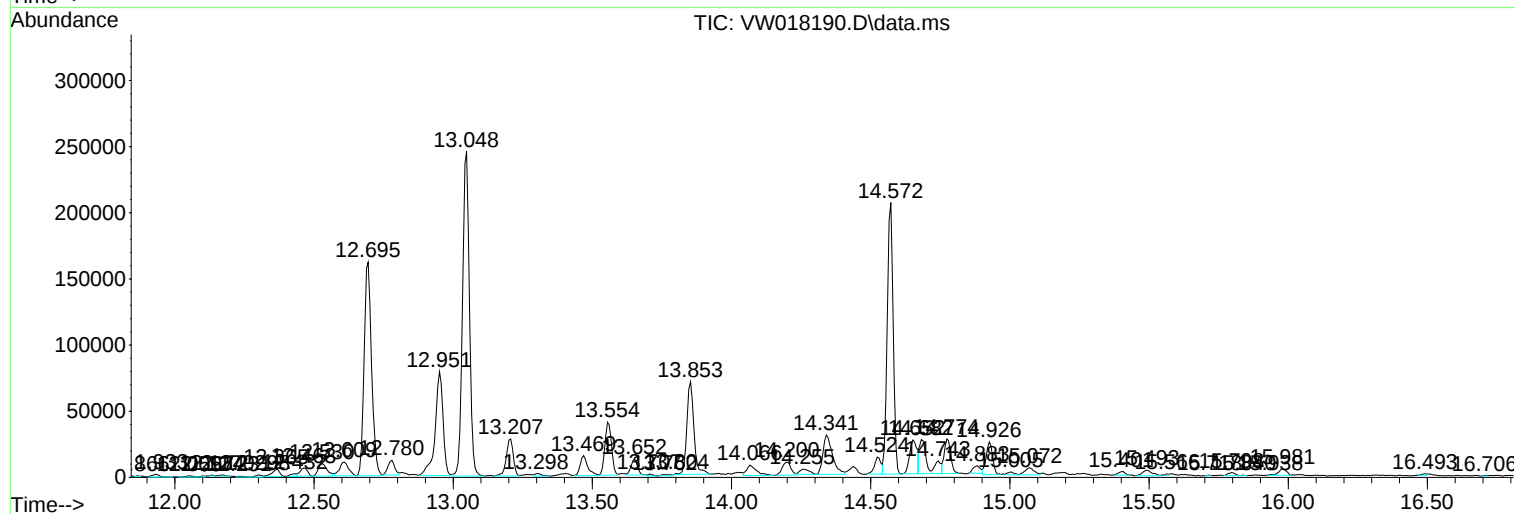
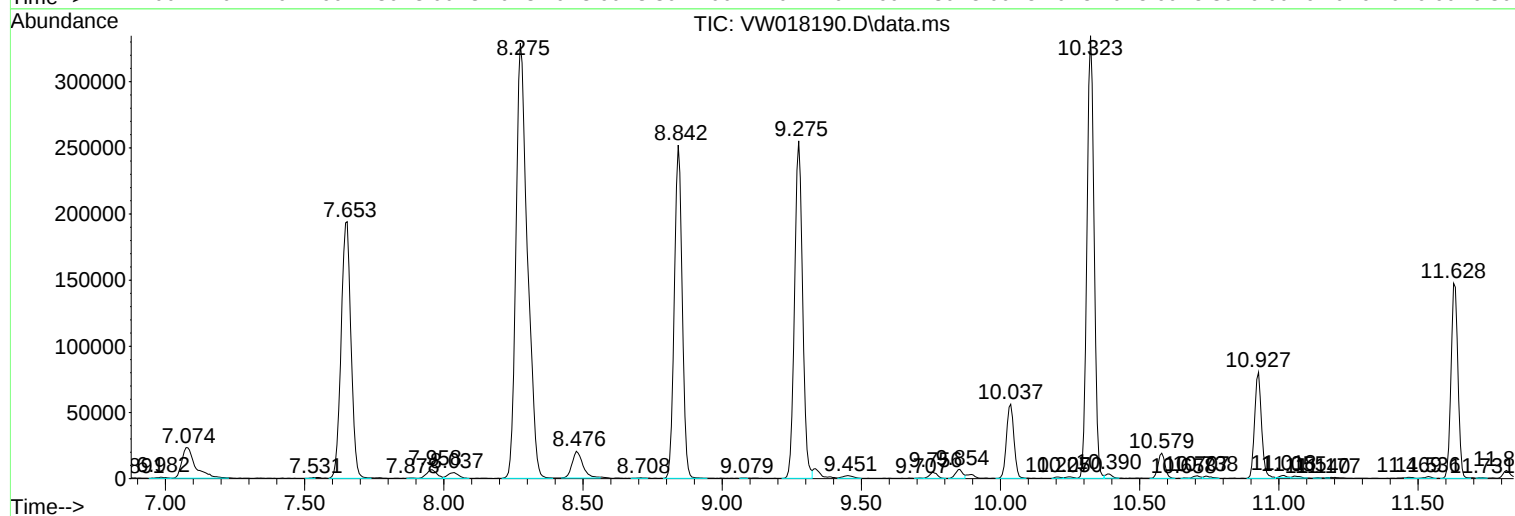
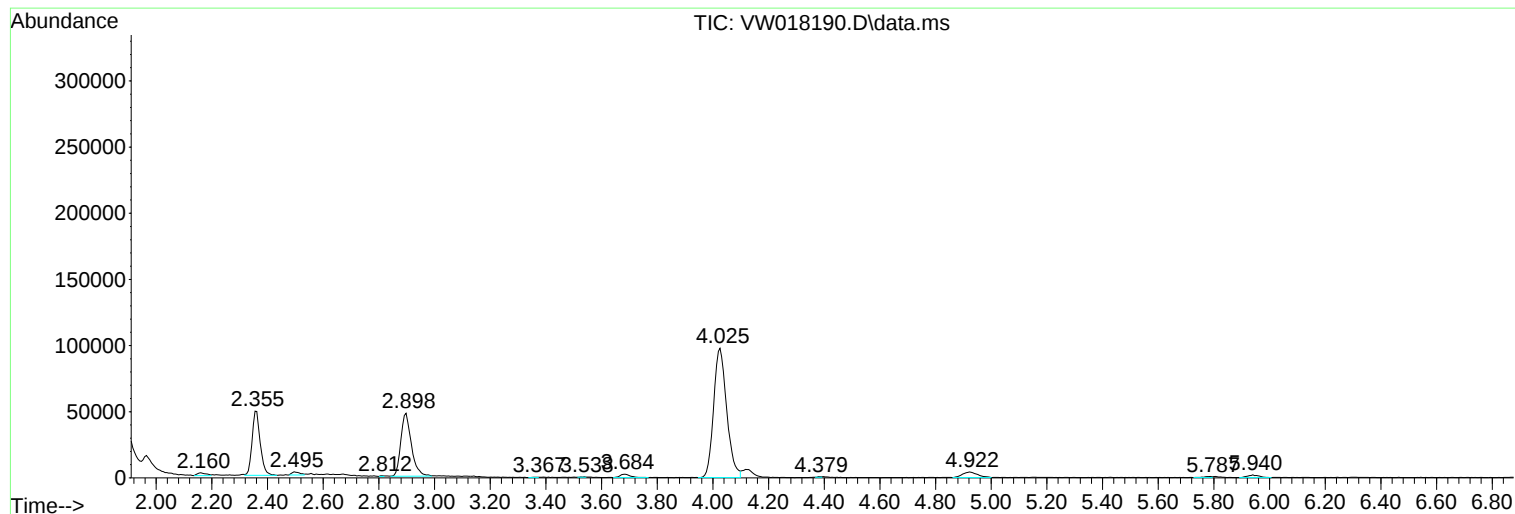
Sum of corrected areas: 6306046

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Instrument :
MSVOA_W
ClientSampleId :
DBGX5RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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



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Instrument :
MSVOA_W
ClientSampleId :
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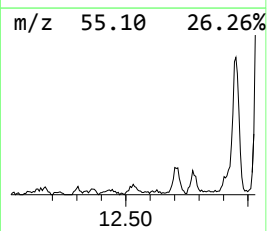
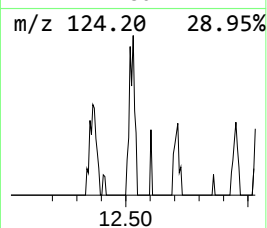
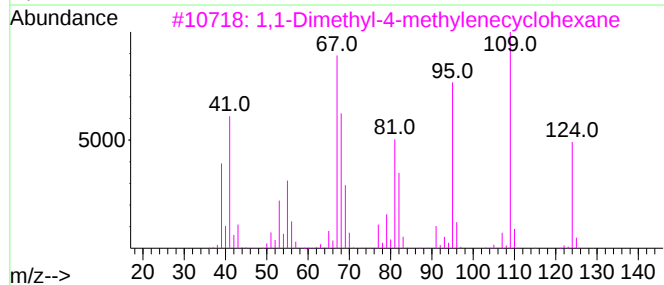
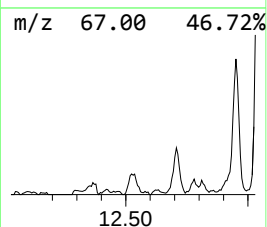
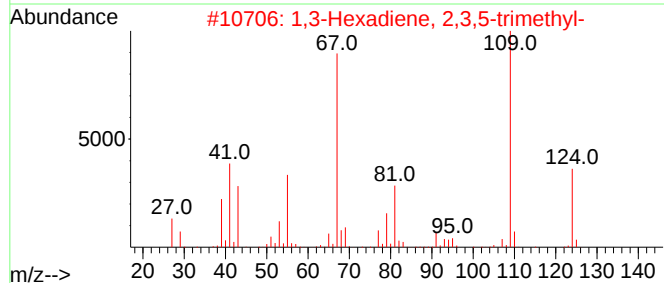
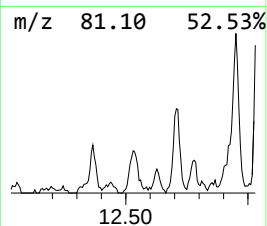
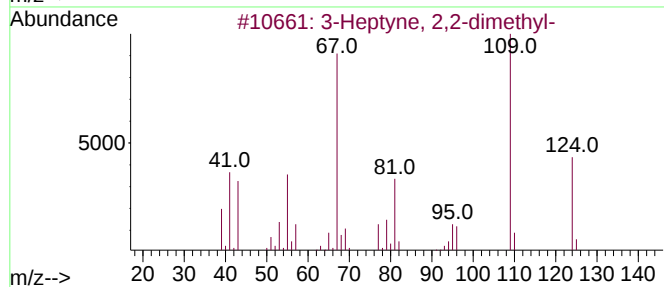
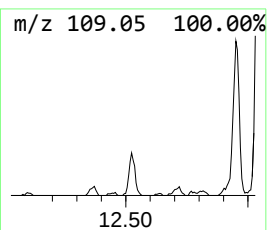
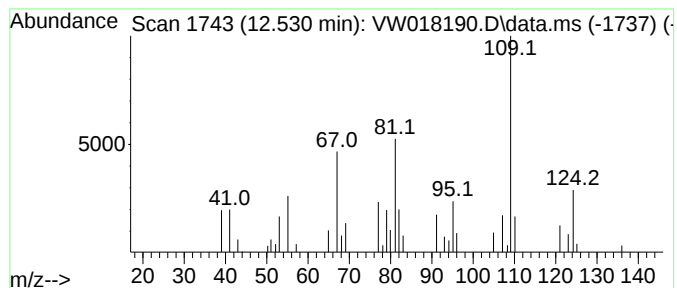
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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

Peak Number 3 3-Heptyne, 2,2-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.530	2.04 ug/L	20654	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Heptyne, 2,2-dimethyl-	124	C9H16	029022-29-5	53
2			1,3-Hexadiene, 2,3,5-trimethyl-	124	C9H16	061142-34-5	52
3			1,1-Dimethyl-4-methylenecyclohexane	124	C9H16	006007-96-1	47
4			Bicyclo[2.2.2]octane, 1-bromo-	188	C8H13Br	007697-09-8	47
5			2-Cyclopenten-1-one, 3,4,5-trime...	124	C8H12O	055683-21-1	43



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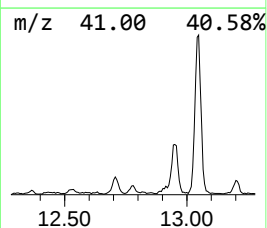
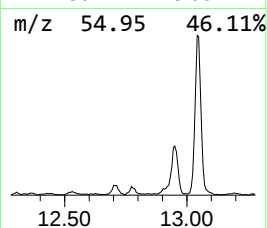
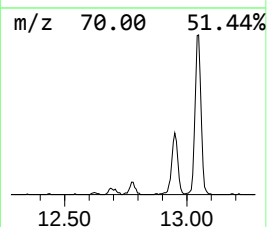
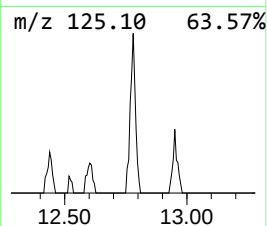
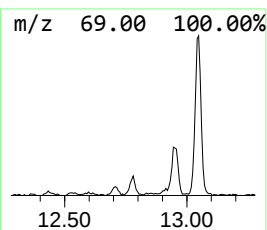
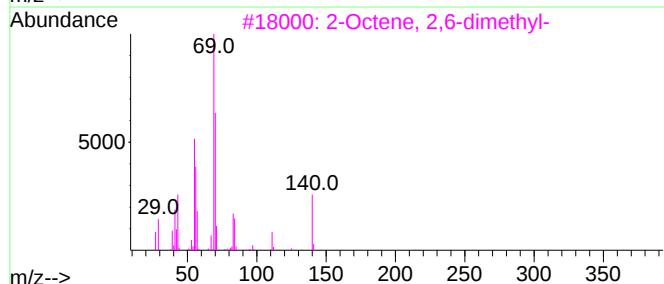
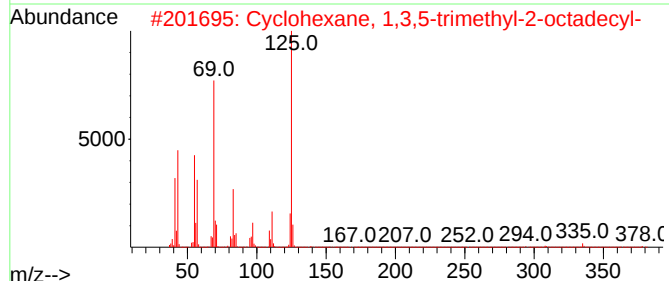
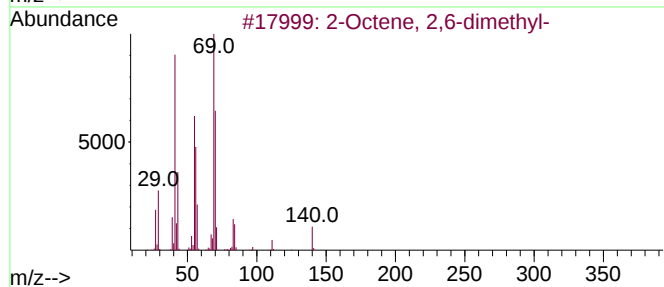
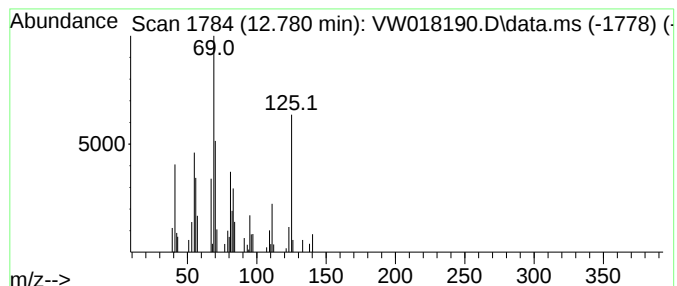
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TIC Integration Parameters: LSCINT.P

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	7.21 ug/L	19020	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	55
2			Cyclohexane, 1,3,5-trimethyl-2-o...	378	C27H54	055282-34-3	50
3			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	49
4			Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	47
5			1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	43



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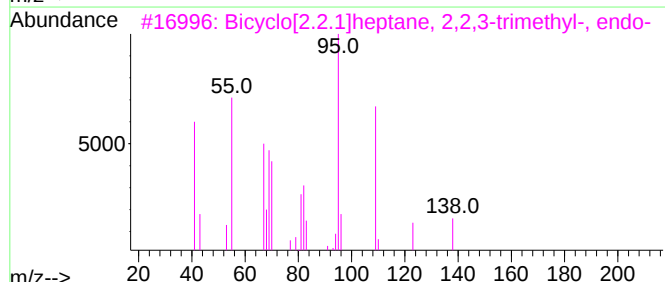
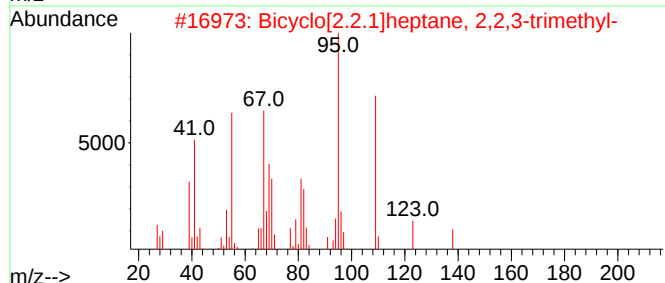
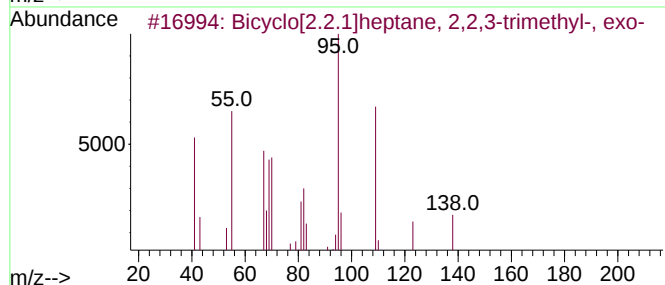
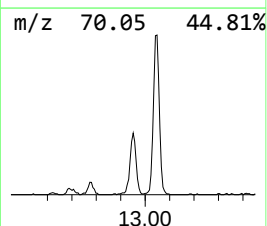
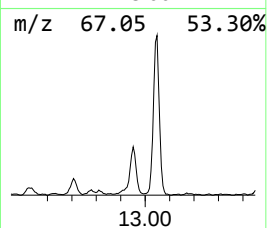
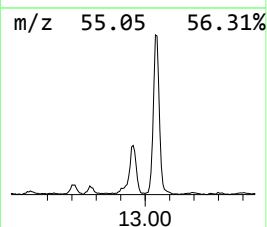
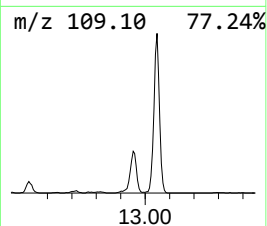
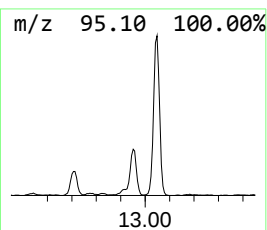
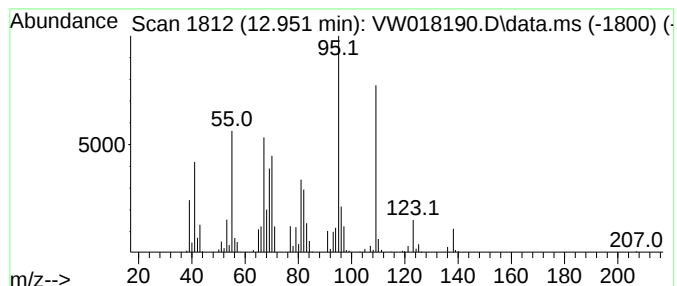
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Quant Title : VOC Analysis

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

Peak Number 6 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.951	58.41 ug/L	154033	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	97
2			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	96
3			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	90
4			Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	50
5			1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	41



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018190.D
Acq On : 17 Feb 2021 16:36
Operator : SY/VA
Sample : M1414-09RE
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGX5RE

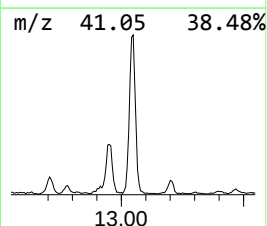
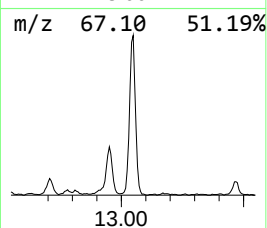
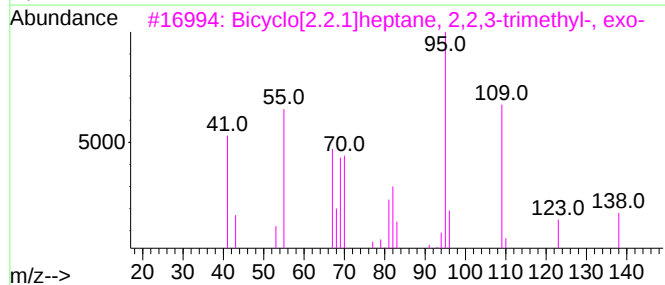
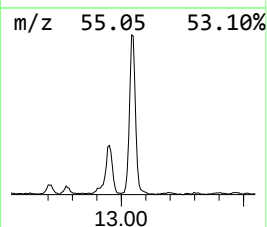
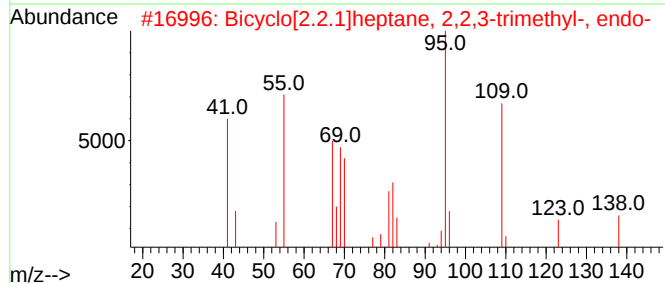
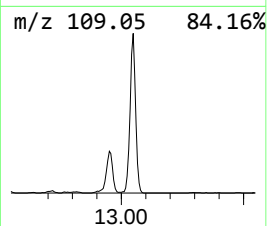
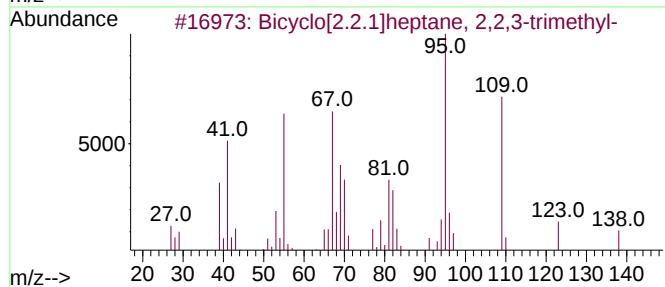
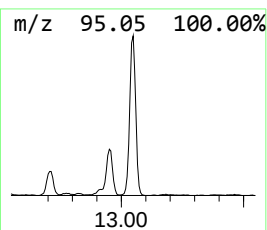
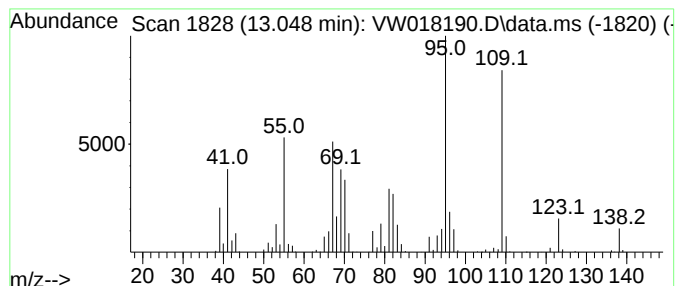
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Quant Title : VOC Analysis

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

Peak Number 7 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.048	159.52 ug/L	420643	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	96
2			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	95
3			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	60
4			1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	45
5			Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018190.D
Acq On : 17 Feb 2021 16:36
Operator : SY/VA
Sample : M1414-09RE
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGX5RE

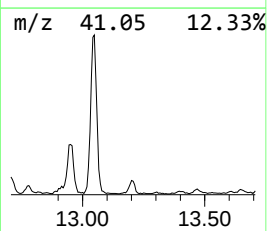
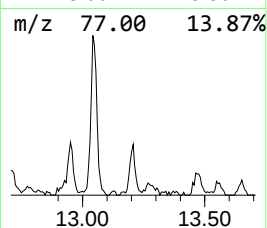
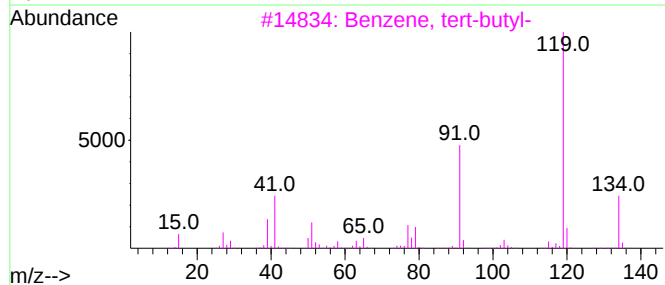
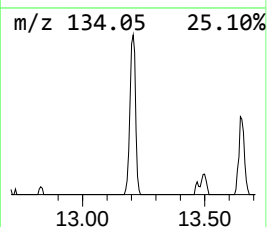
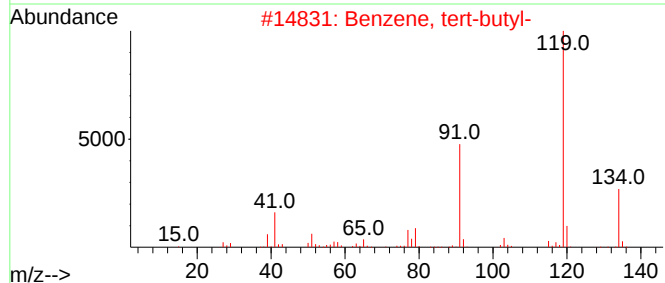
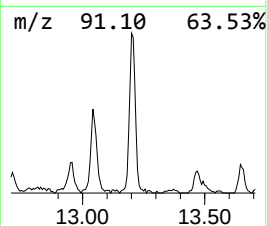
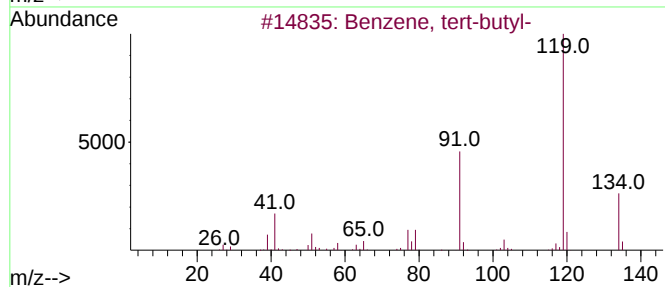
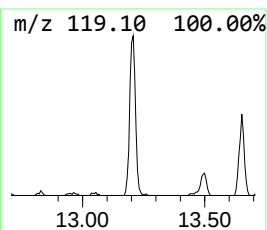
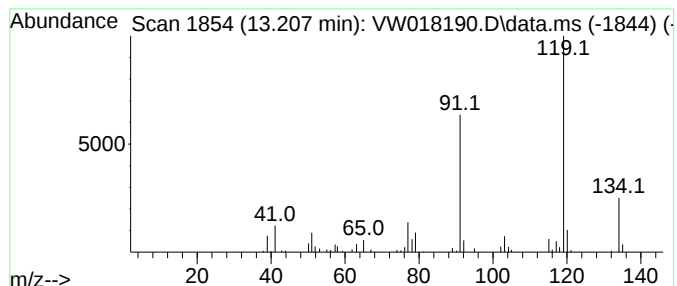
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Quant Title : VOC Analysis

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

Peak Number 8 Benzene, tert-butyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.207	18.41 ug/L	48554	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, tert-butyl-	134	C10H14	000098-06-6	91
2			Benzene, tert-butyl-	134	C10H14	000098-06-6	91
3			Benzene, tert-butyl-	134	C10H14	000098-06-6	91
4			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
5			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018190.D
Acq On : 17 Feb 2021 16:36
Operator : SY/VA
Sample : M1414-09RE
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGX5RE

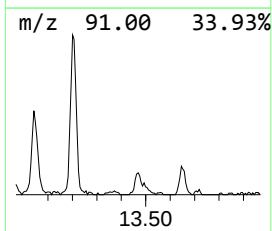
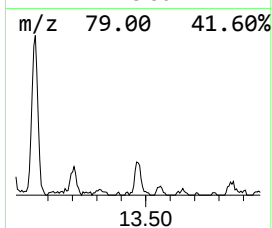
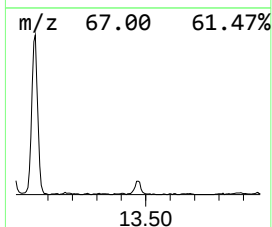
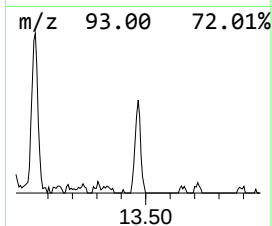
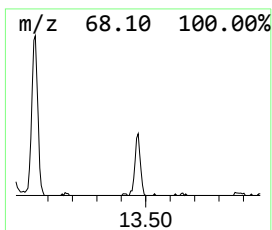
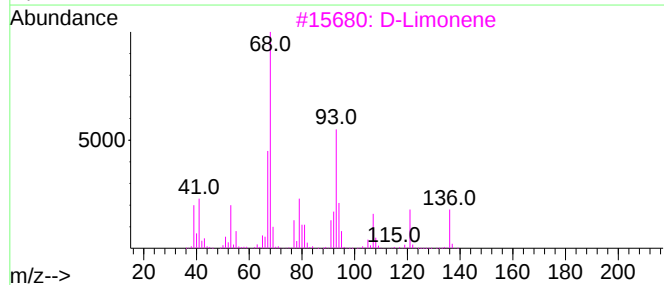
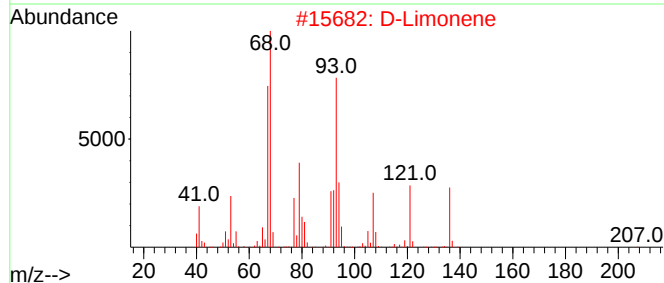
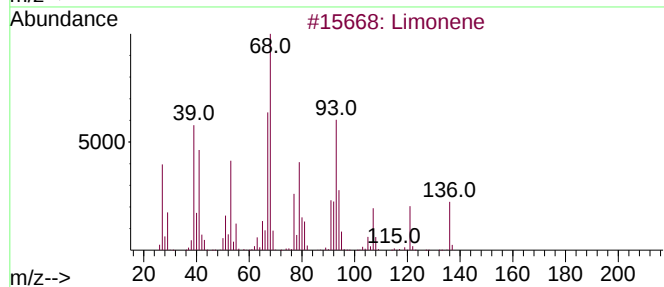
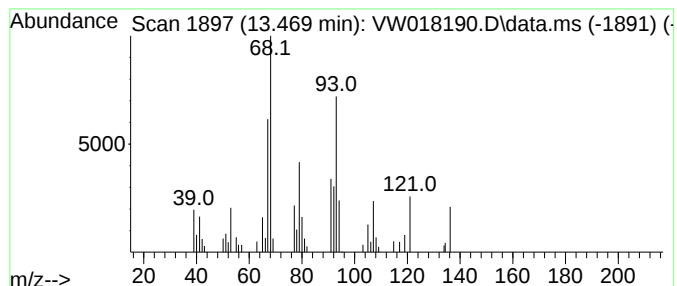
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Quant Title : VOC Analysis

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

Peak Number 9 Limonene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.469	10.82 ug/L	28526	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Limonene	136	C10H16	000138-86-3	95
2			D-Limonene	136	C10H16	005989-27-5	93
3			D-Limonene	136	C10H16	005989-27-5	90
4			Limonene	136	C10H16	000138-86-3	87
5			D-Limonene	136	C10H16	005989-27-5	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018190.D
Acq On : 17 Feb 2021 16:36
Operator : SY/VA
Sample : M1414-09RE
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGX5RE

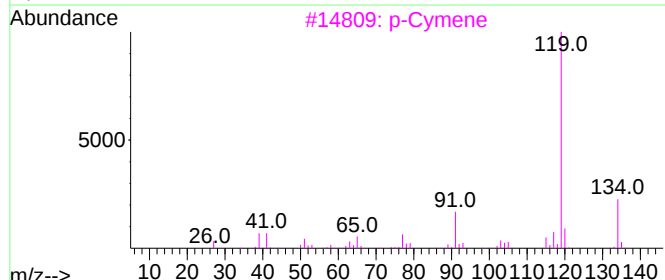
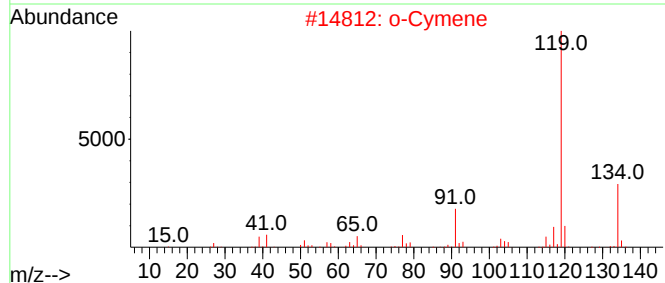
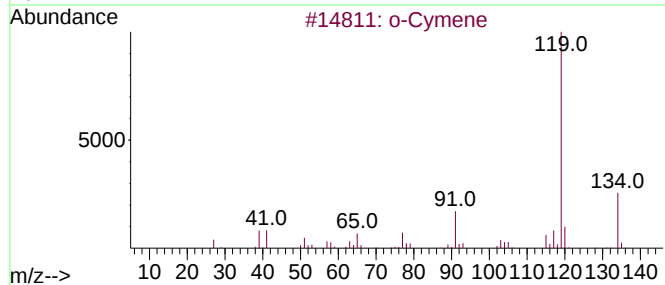
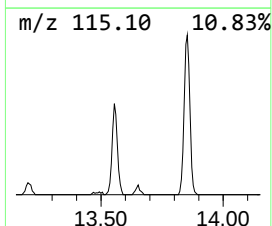
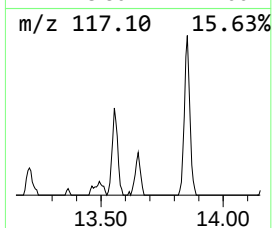
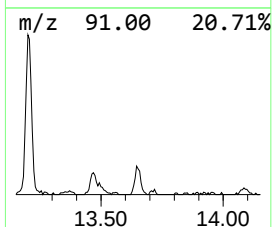
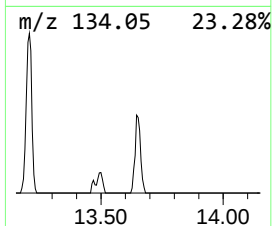
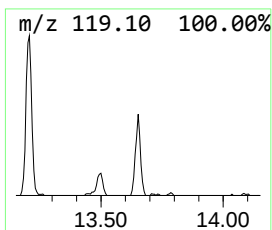
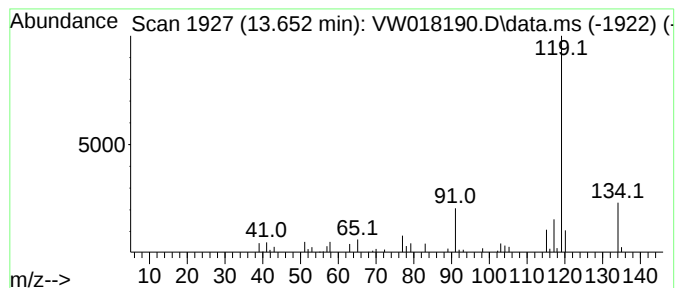
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Quant Title : VOC Analysis

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

Peak Number 10 o-Cymene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.652	7.21 ug/L	19019	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		o-Cymene	134	C10H14	000527-84-4	94
2		o-Cymene	134	C10H14	000527-84-4	94
3		p-Cymene	134	C10H14	000099-87-6	94
4		p-Cymene	134	C10H14	000099-87-6	91
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018190.D
Acq On : 17 Feb 2021 16:36
Operator : SY/VA
Sample : M1414-09RE
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGX5RE

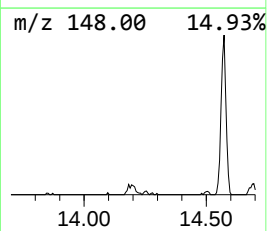
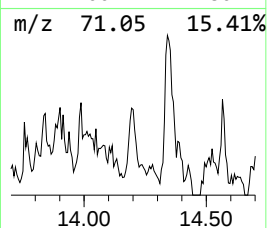
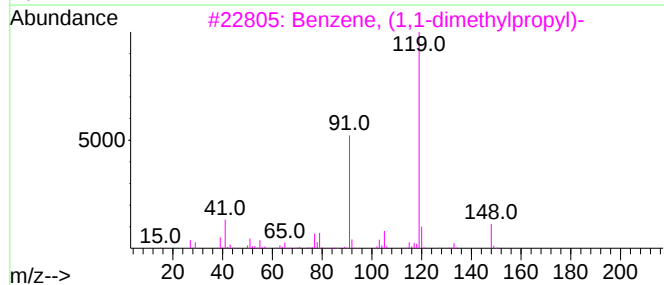
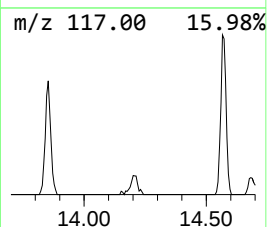
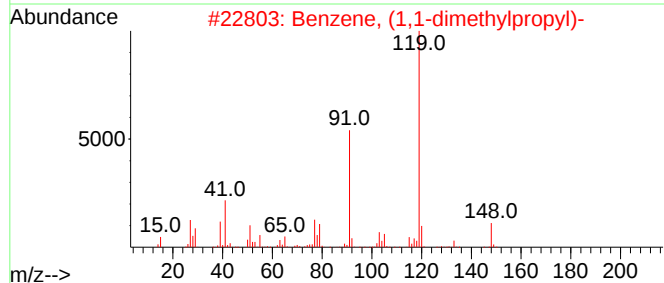
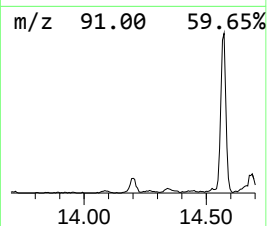
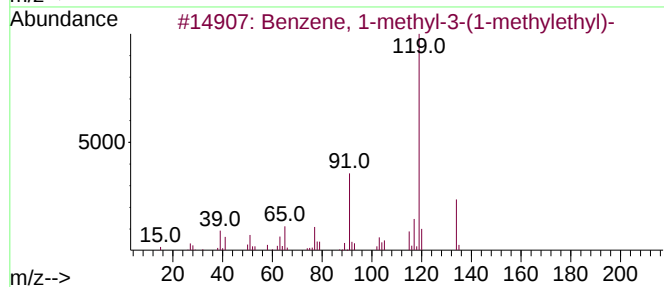
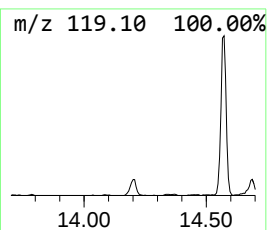
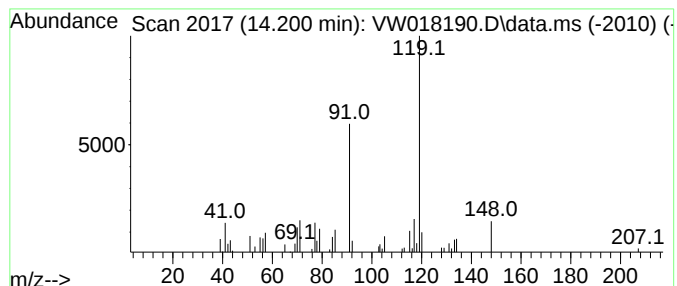
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Quant Title : VOC Analysis

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

Peak Number 12 Benzene, 1-methyl-3-(1-meth... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.201	8.09 ug/L	21335	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	76
2			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	76
3			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	70
4			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	68
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018190.D
Acq On : 17 Feb 2021 16:36
Operator : SY/VA
Sample : M1414-09RE
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DBGX5RE

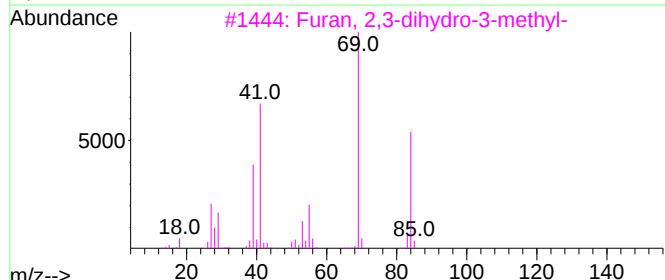
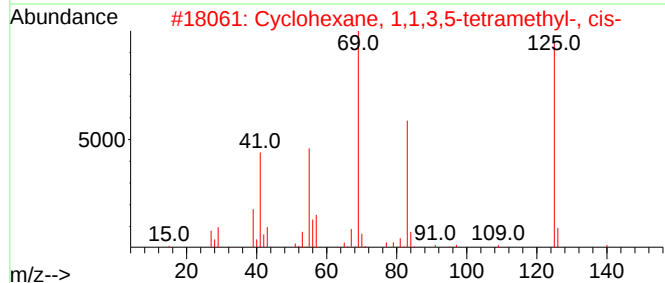
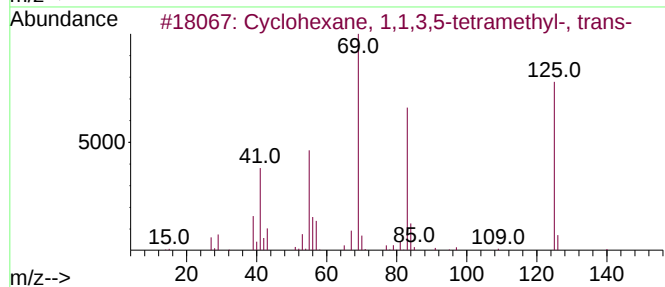
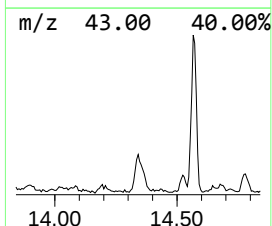
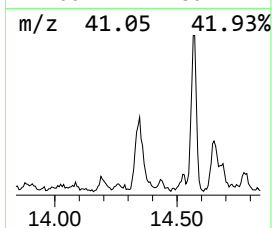
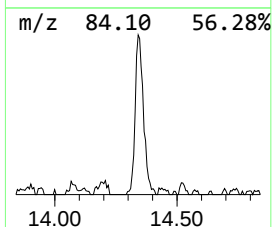
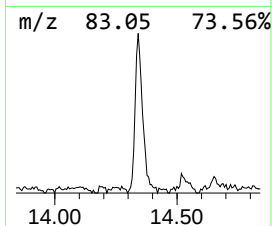
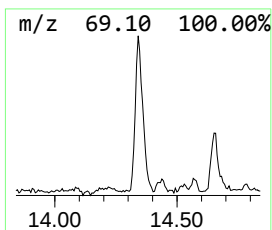
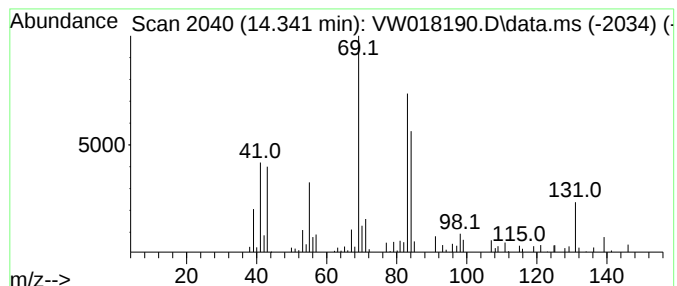
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Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Cyclic14.341 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.341	26.41 ug/L	69636	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	50
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	50
3			Furan, 2,3-dihydro-3-methyl-	84	C5H8O	001708-27-6	43
4			1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	38
5			1,5-Diazabicyclo[3.1.0]hexane	84	C4H8N2	013090-31-8	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018190.D
Acq On : 17 Feb 2021 16:36
Operator : SY/VA
Sample : M1414-09RE
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGX5RE

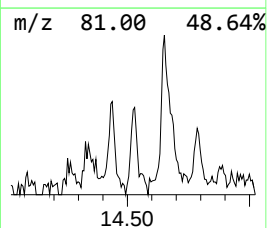
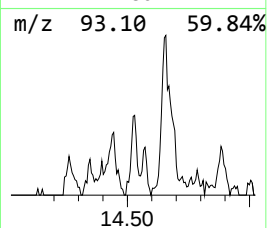
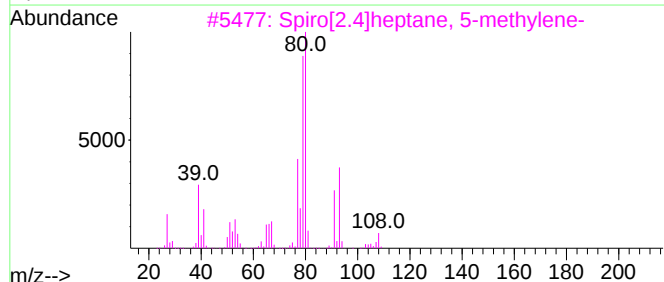
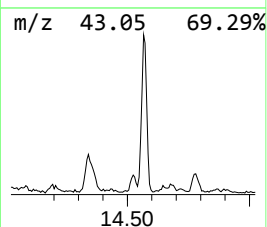
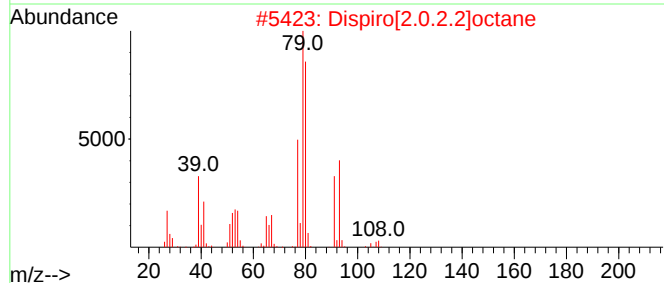
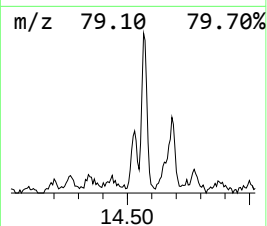
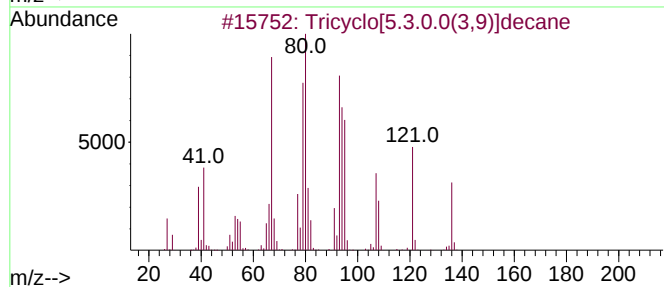
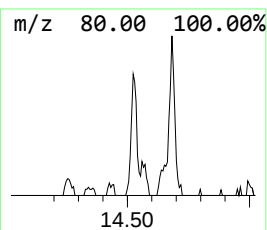
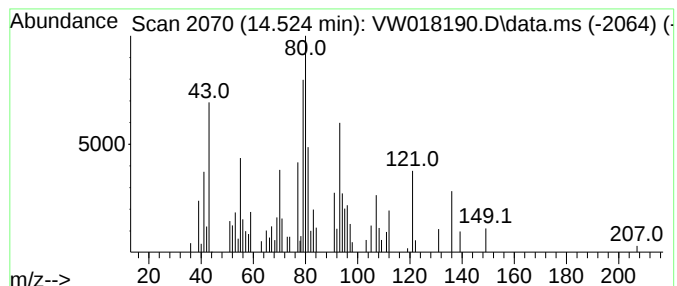
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Quant Title : VOC Analysis

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

Peak Number 15 Tricyclo[5.3.0.0(3,9)]decane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.524	8.16 ug/L	21504	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tricyclo[5.3.0.0(3,9)]decane	136	C10H16	053130-27-1	83
2			Dispiro[2.0.2.2]octane	108	C8H12	021426-37-9	81
3			Spiro[2.4]heptane, 5-methylene-	108	C8H12	037745-07-6	74
4			4-(Aminomethyl)pyridine	108	C6H8N2	003731-53-1	49
5			3-Pyridinemethanamine	108	C6H8N2	003731-52-0	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018190.D
Acq On : 17 Feb 2021 16:36
Operator : SY/VA
Sample : M1414-09RE
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGX5RE

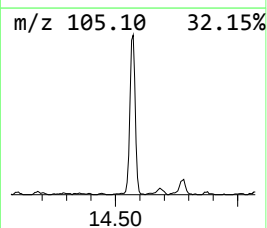
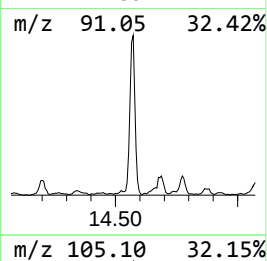
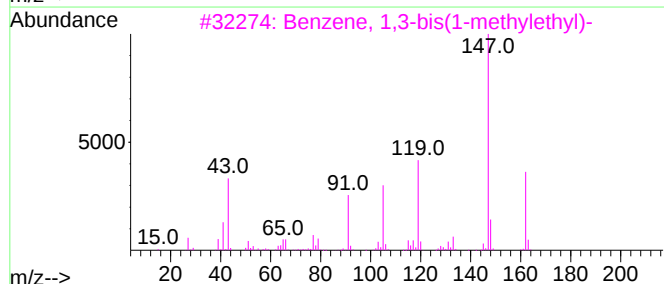
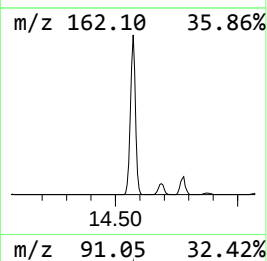
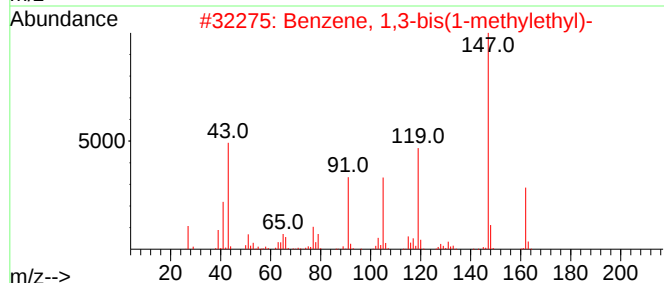
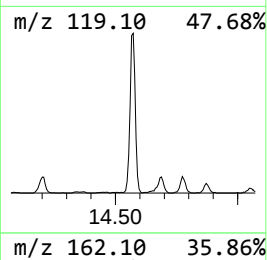
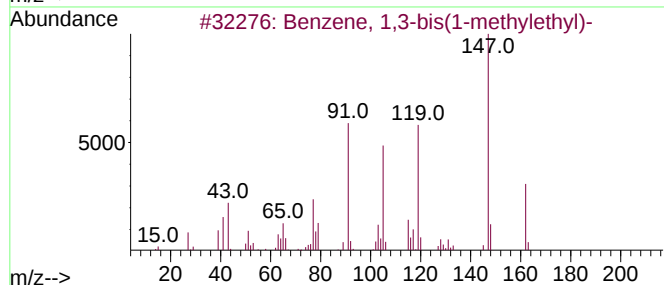
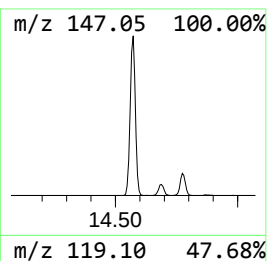
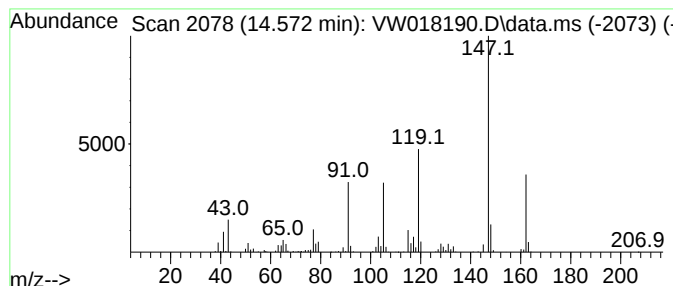
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Quant Title : VOC Analysis

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

Peak Number 16 Benzene, 1,3-bis(1-methylet... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.572	115.02 ug/L	303280	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-bis(1-methylethyl)-	162	C12H18	000099-62-7	97
2			Benzene, 1,3-bis(1-methylethyl)-	162	C12H18	000099-62-7	94
3			Benzene, 1,3-bis(1-methylethyl)-	162	C12H18	000099-62-7	94
4			Benzene, 1,3-bis(1-methylethyl)-	162	C12H18	000099-62-7	94
5			4-t-Butyl-o-xylene	162	C12H18	007397-06-0	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018190.D
Acq On : 17 Feb 2021 16:36
Operator : SY/VA
Sample : M1414-09RE
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGX5RE

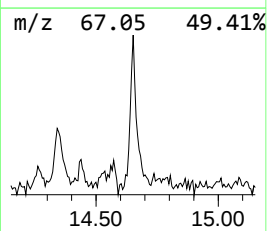
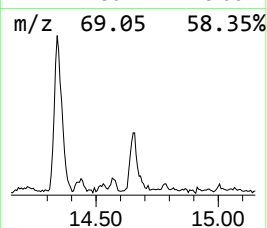
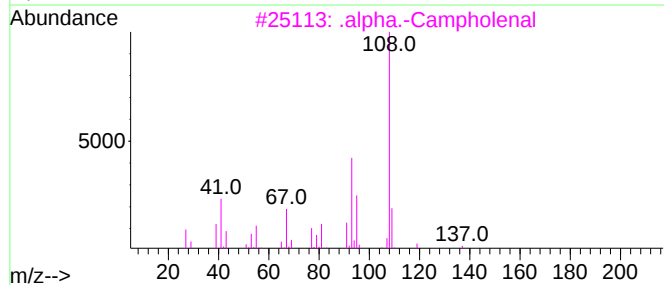
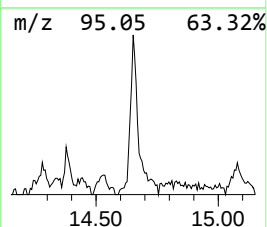
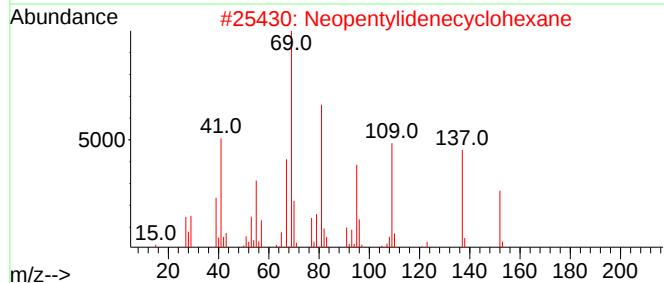
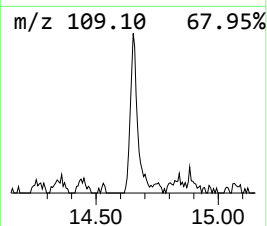
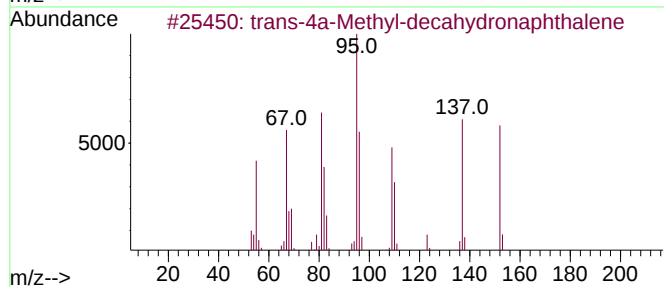
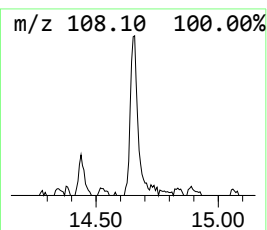
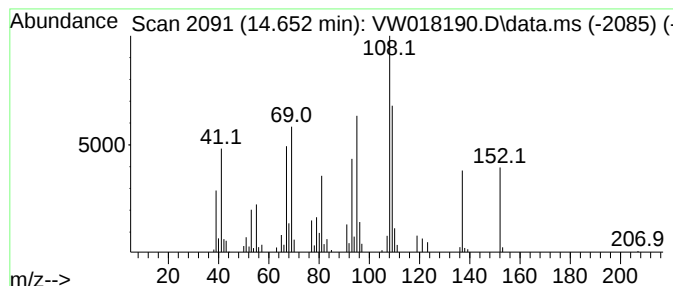
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Quant Title : VOC Analysis

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

Peak Number 17 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.652	18.18 ug/L	47940	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	45
2		Neopentylidenecyclohexane	152	C11H20	039546-80-0	43
3		.alpha.-Campholenal	152	C10H16O	004501-58-0	38
4		Acetaldehyde, (3,3-dimethylcyclo...	152	C10H16O	026532-25-2	38
5		Ethanol, 2-(3-methylphenoxy)-	152	C9H12O2	013605-19-1	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018190.D
Acq On : 17 Feb 2021 16:36
Operator : SY/VA
Sample : M1414-09RE
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGX5RE

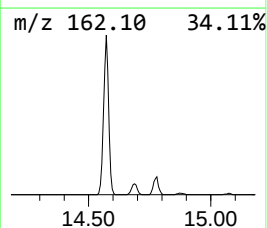
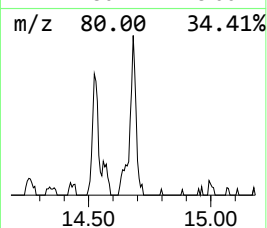
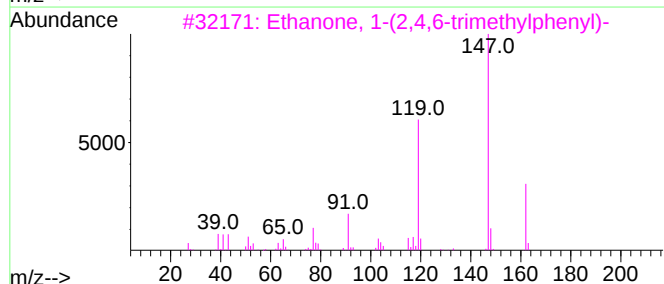
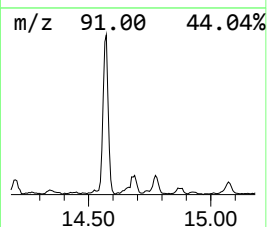
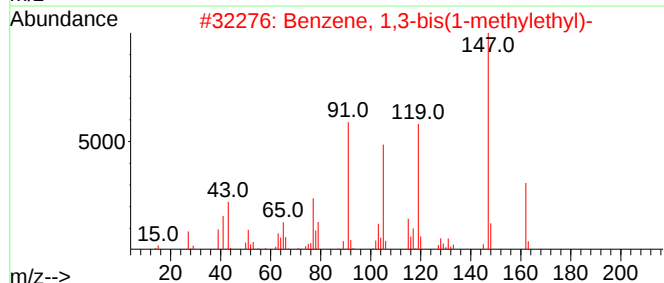
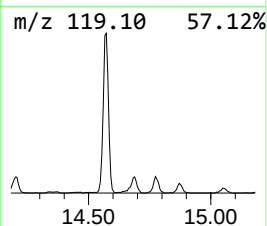
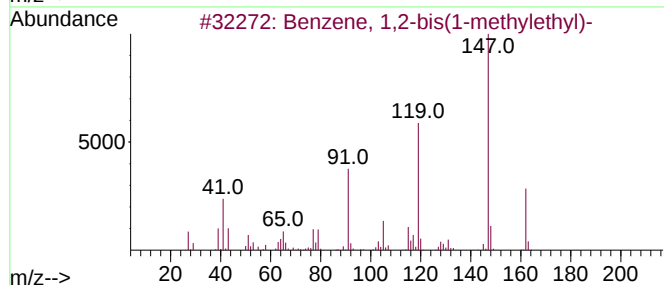
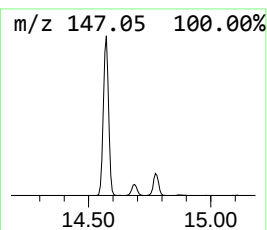
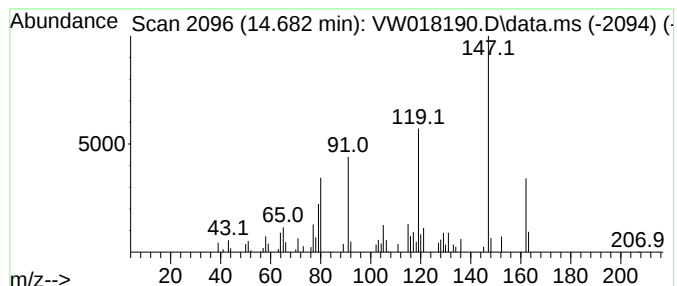
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Quant Title : VOC Analysis

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

Peak Number 18 Benzene, 1,2-bis(1-methylet... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.682	15.01 ug/L	39571	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2-bis(1-methylethyl)-	162	C12H18	000577-55-9	86
2			Benzene, 1,3-bis(1-methylethyl)-	162	C12H18	000099-62-7	70
3			Ethanone, 1-(2,4,6-trimethylphen...	162	C11H14O	001667-01-2	64
4			Benzene, 1-(1,1-dimethylethyl)-3...	162	C12H18	000098-19-1	62
5			4-t-Butyl-o-xylene	162	C12H18	007397-06-0	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018190.D
Acq On : 17 Feb 2021 16:36
Operator : SY/VA
Sample : M1414-09RE
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGX5RE

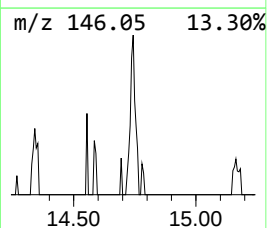
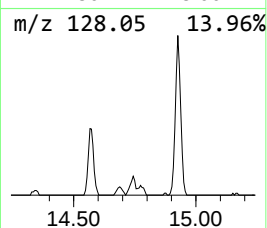
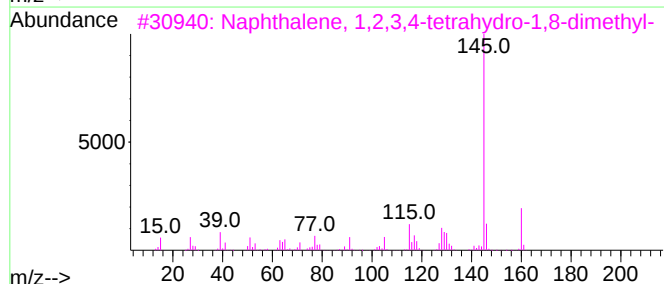
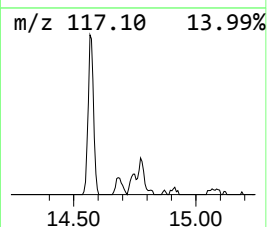
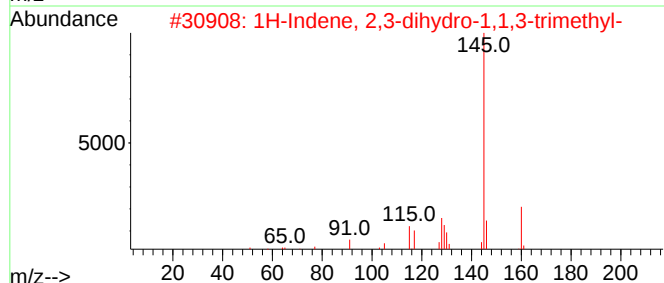
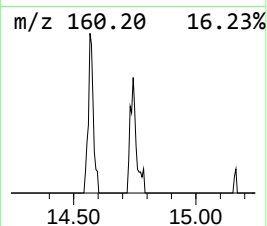
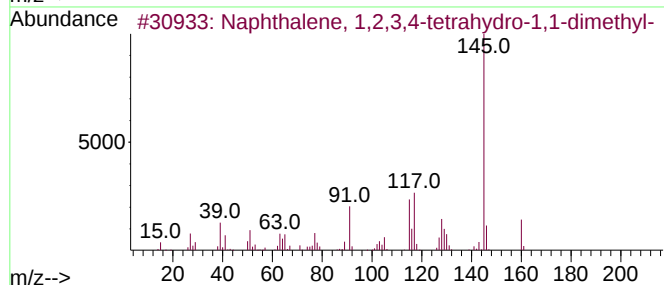
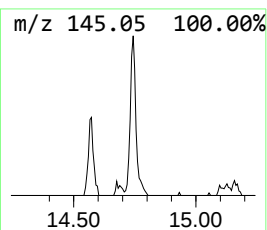
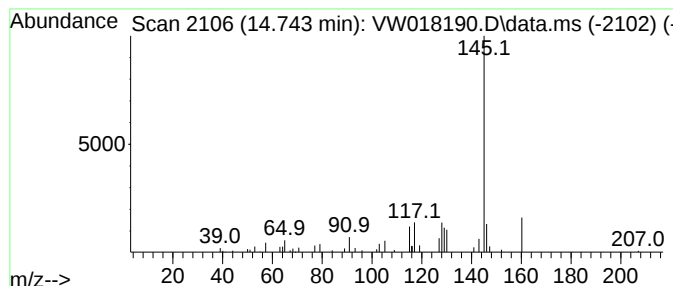
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Quant Title : VOC Analysis

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

Peak Number 19 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.743	5.91 ug/L	15581	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001985-59-7	91
2			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	91
3			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	91
4			1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	90
5			Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018190.D
Acq On : 17 Feb 2021 16:36
Operator : SY/VA
Sample : M1414-09RE
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGX5RE

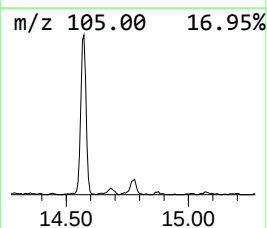
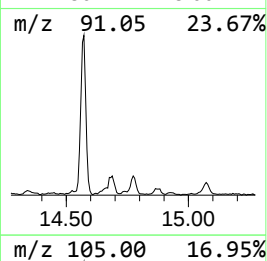
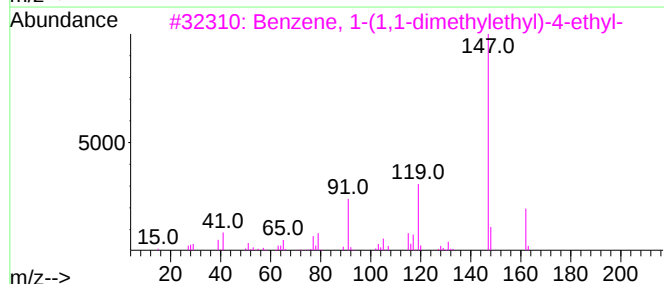
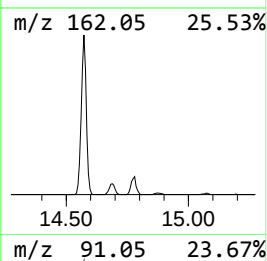
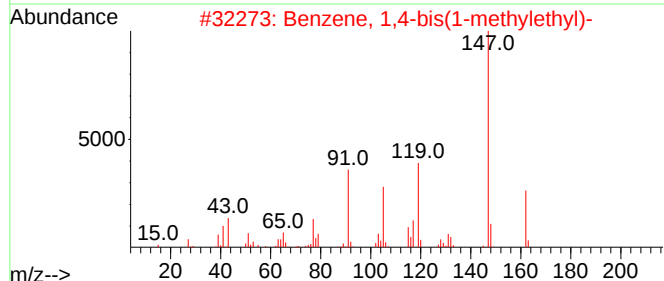
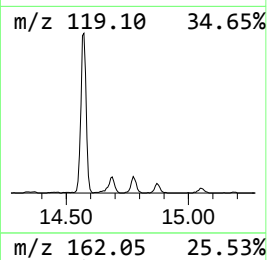
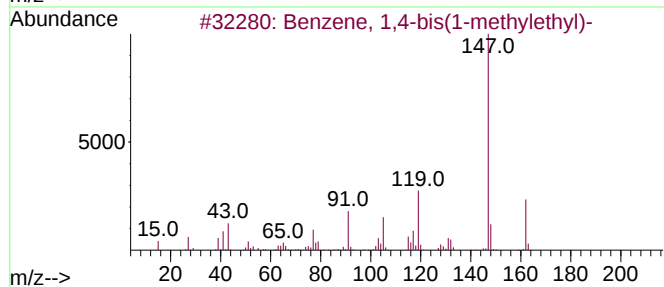
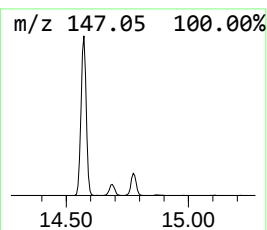
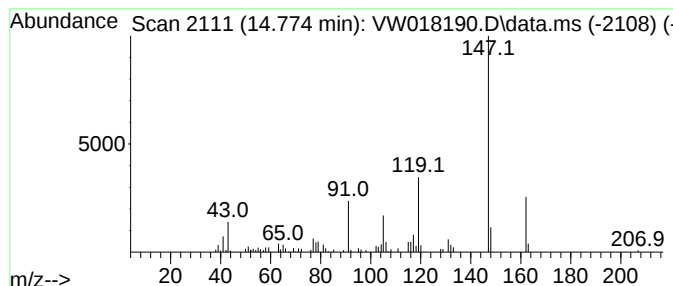
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Quant Title : VOC Analysis

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

Peak Number 20 Benzene, 1,4-bis(1-methylet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.774	15.66 ug/L	41298	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,4-bis(1-methylethyl)-	162	C12H18	000100-18-5	91
2			Benzene, 1,4-bis(1-methylethyl)-	162	C12H18	000100-18-5	91
3			Benzene, 1-(1,1-dimethylethyl)-4...	162	C12H18	007364-19-4	90
4			Benzene, 1,2-bis(1-methylethyl)-	162	C12H18	000577-55-9	90
5			Benzene, 1,4-bis(1-methylethyl)-	162	C12H18	000100-18-5	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018190.D
Acq On : 17 Feb 2021 16:36
Operator : SY/VA
Sample : M1414-09RE
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGX5RE

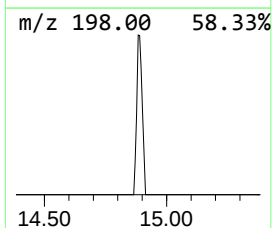
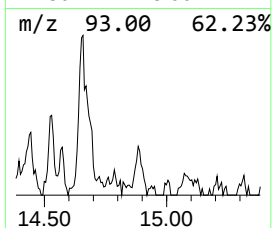
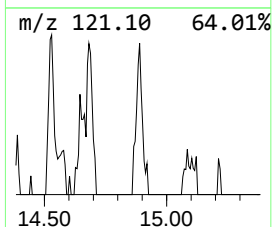
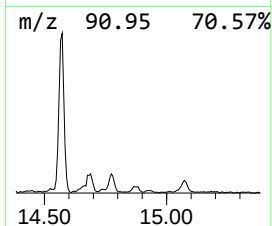
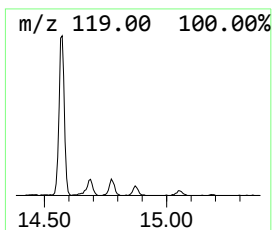
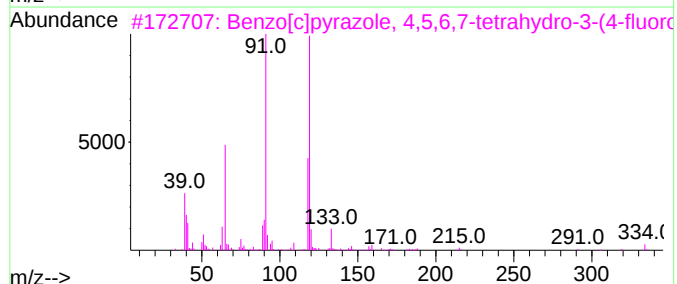
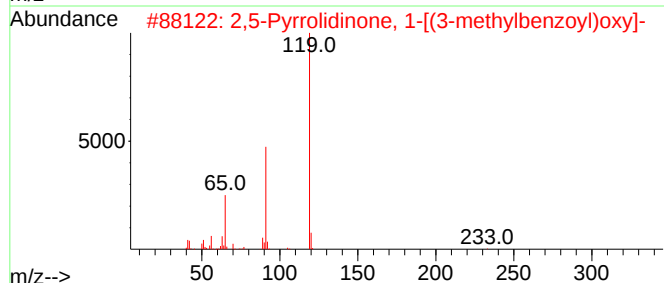
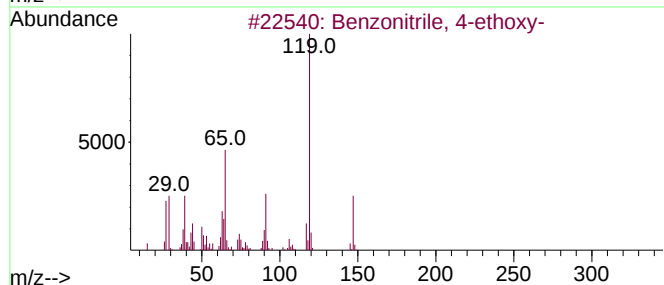
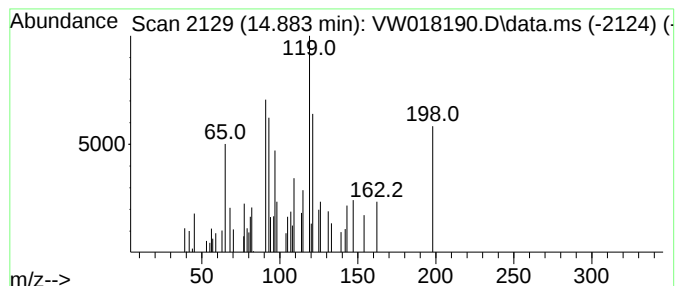
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Quant Title : VOC Analysis

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

Peak Number 21 unknown-02 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.883	3.99 ug/L	10523	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzonitrile, 4-ethoxy-	147	C9H9NO	025117-74-2	47
2			2,5-Pyrrolidinone, 1-[(3-methylb...	233	C12H11NO4	110920-15-5	43
3			Benzo[c]pyrazole, 4,5,6,7-tetra...	334	C21H19FN2O	1000259-20-2	43
4			2,5-Pyrrolidinedione, 1-[(2-meth...	233	C12H11NO4	110920-14-4	37
5			Carbaminic acid, N-phenyl-2-(4-t...	334	C16H18N2O4S	1000295-66-4	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018190.D
Acq On : 17 Feb 2021 16:36
Operator : SY/VA
Sample : M1414-09RE
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGX5RE

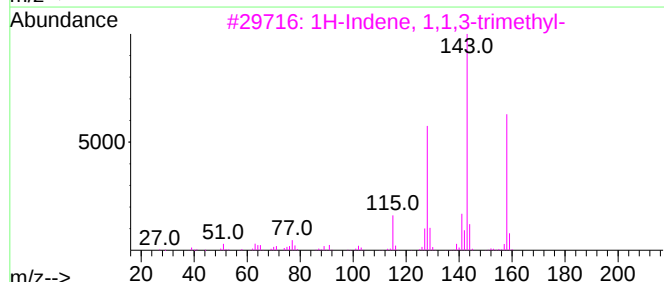
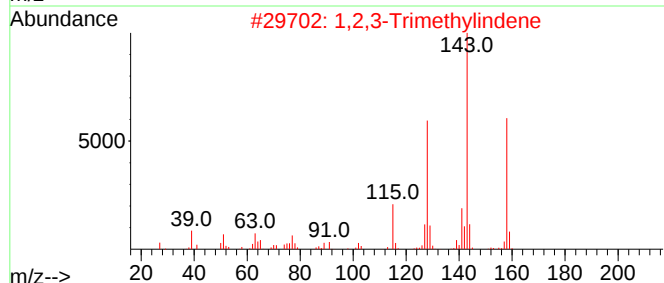
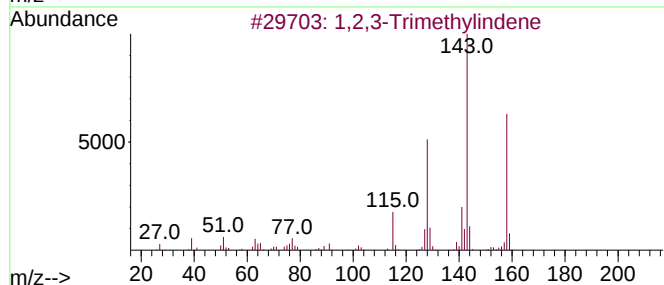
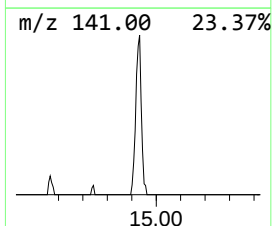
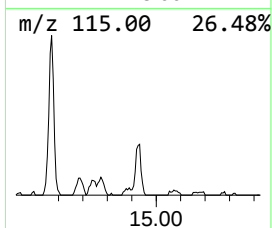
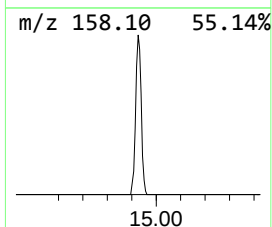
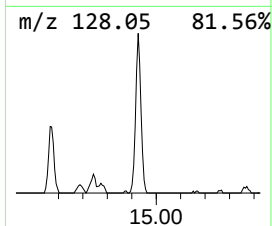
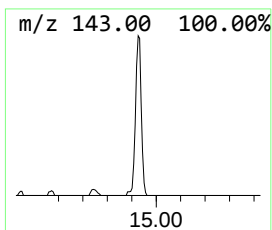
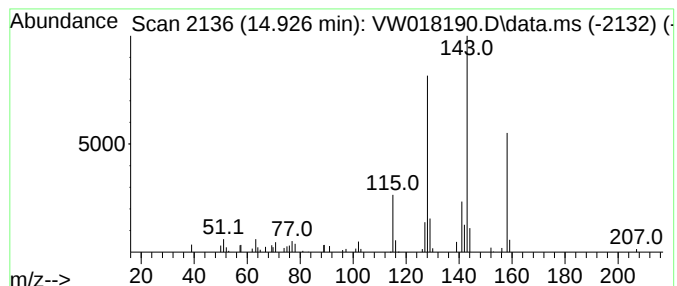
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Quant Title : VOC Analysis

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

Peak Number 22 1,2,3-Trimethylindene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.926	14.87 ug/L	39202	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2,3-Trimethylindene	158	C12H14	004773-83-5	95
2			1,2,3-Trimethylindene	158	C12H14	004773-83-5	94
3			1H-Indene, 1,1,3-trimethyl-	158	C12H14	002177-45-9	91
4			Benzene, 1,4-bis(1-methylethenyl)-	158	C12H14	001605-18-1	90
5			(1-Methylpenta-2,4-dienyl)benzene	158	C12H14	1000210-01-1	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018190.D
Acq On : 17 Feb 2021 16:36
Operator : SY/VA
Sample : M1414-09RE
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGX5RE

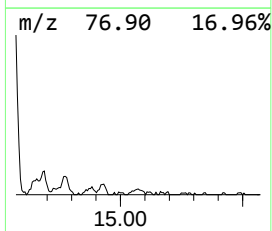
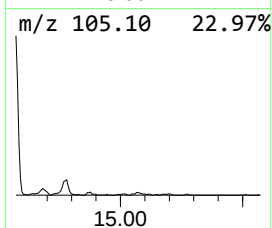
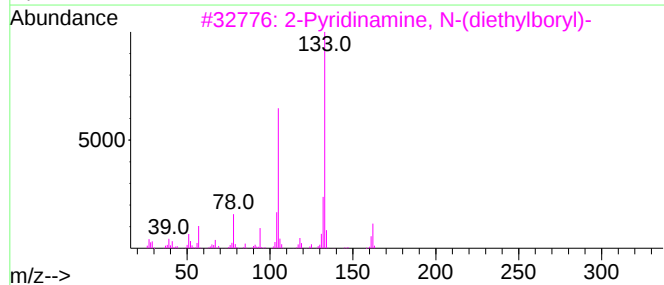
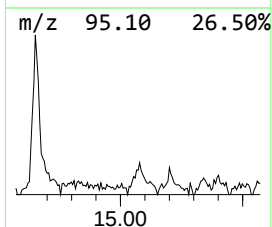
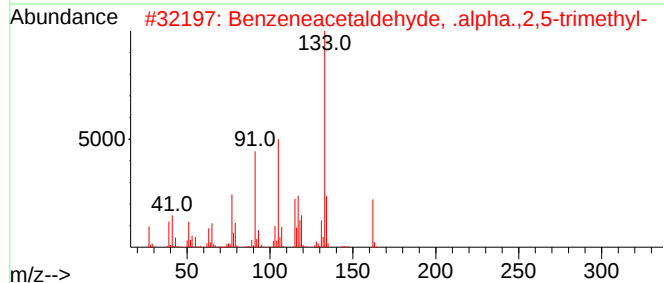
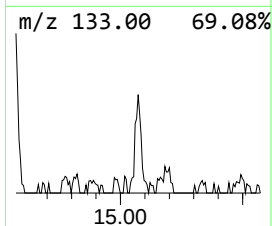
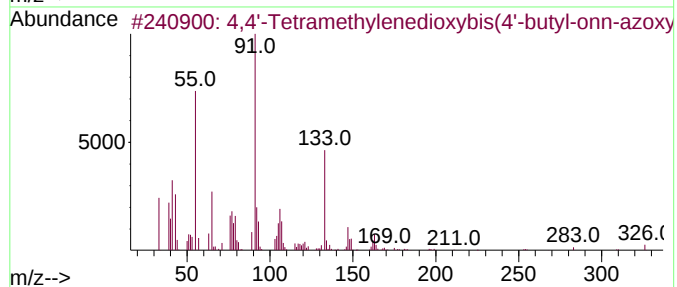
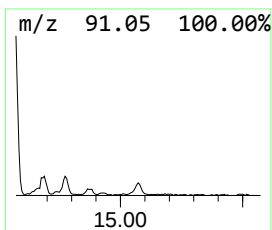
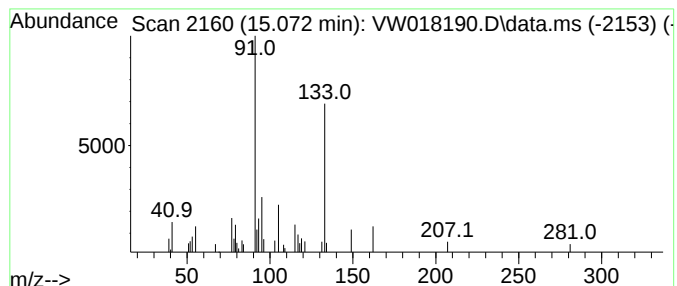
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Quant Title : VOC Analysis

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

Peak Number 24 unknown-03 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.072	4.82 ug/L	12710	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4,4'-Tetramethylenedioxybis(4'-b...	594	C36H42N4O4	1000223-36-7	43
2			Benzeneacetaldehyde, .alpha.,2,5...	162	C11H14O	052417-50-2	43
3			2-Pyridinamine, N-(diethylboryl)-	162	C9H15BN2	066871-24-7	35
4			Benzoic acid, 4-ethyl-, methyl e...	164	C10H12O2	007364-20-7	35
5			1-Penten-3-ol, 1-phenyl-	162	C11H14O	034862-94-7	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018190.D
Acq On : 17 Feb 2021 16:36
Operator : SY/VA
Sample : M1414-09RE
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGX5RE

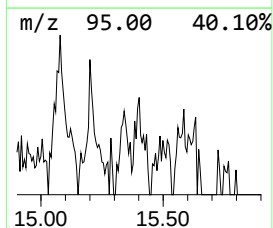
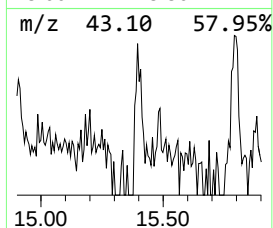
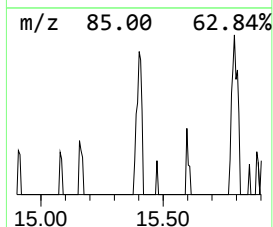
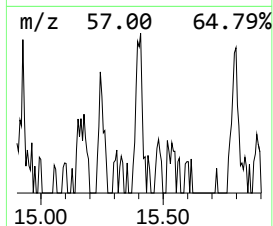
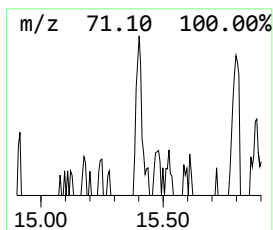
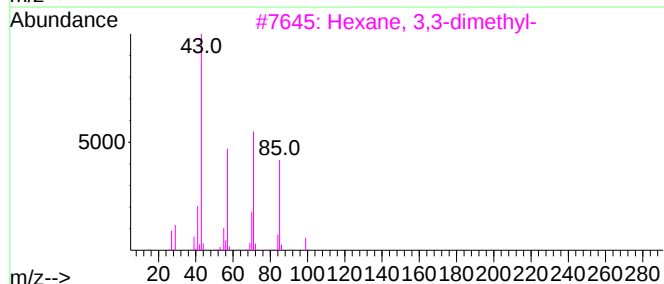
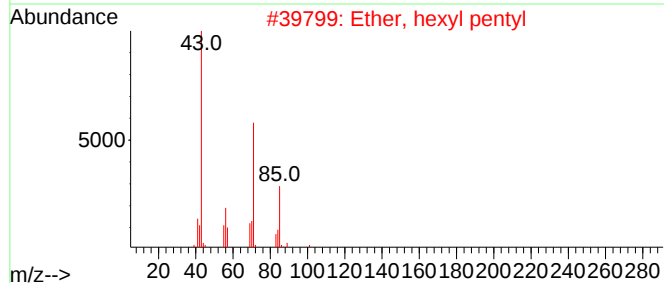
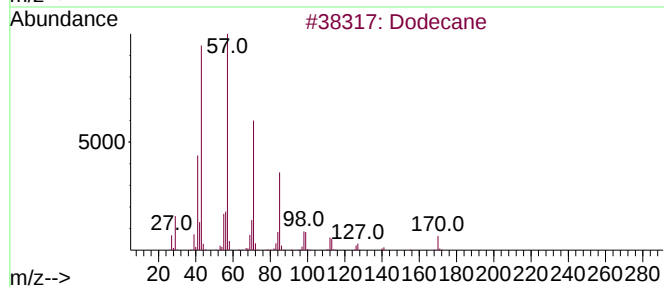
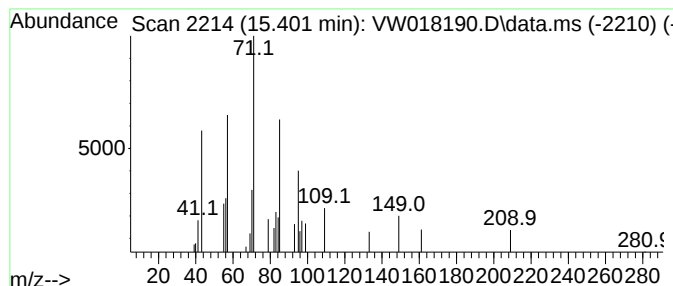
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Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.402	1.72 ug/L	4544	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane	170	C12H26	000112-40-3	43
2			Ether, hexyl pentyl	172	C11H24O	032357-83-8	43
3			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	38
4			Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	37
5			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	37



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018190.D
Acq On : 17 Feb 2021 16:36
Operator : SY/VA
Sample : M1414-09RE
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

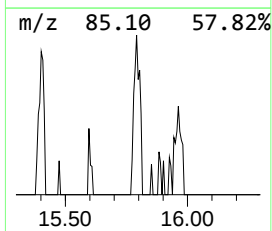
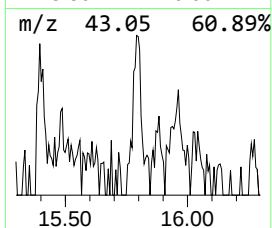
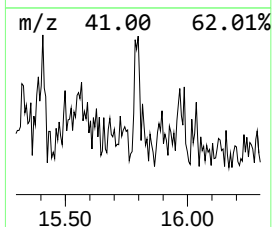
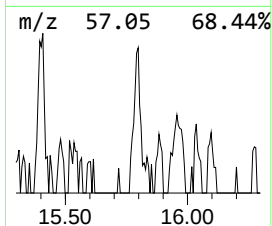
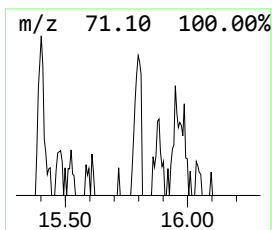
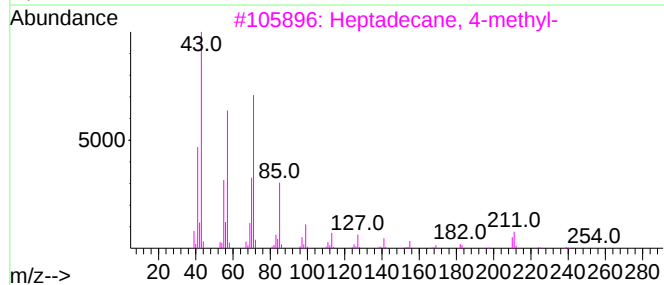
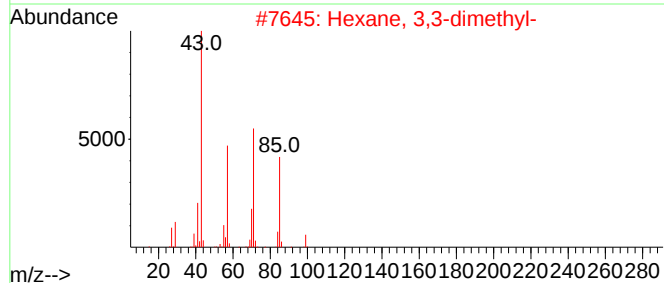
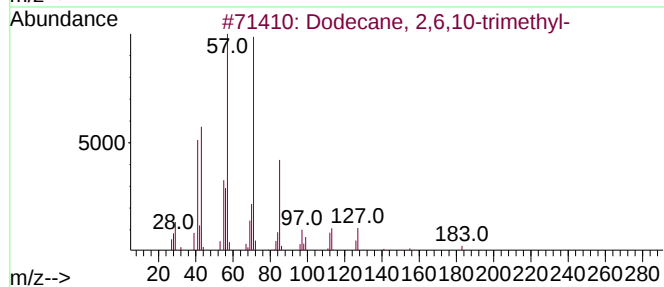
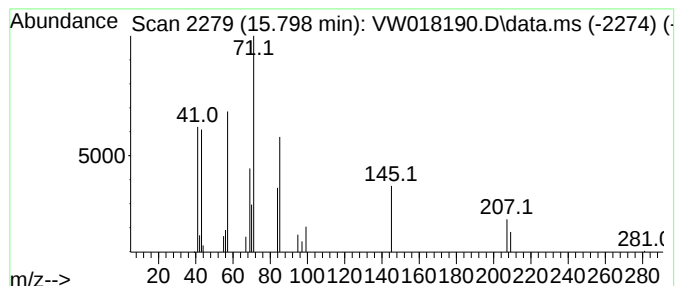
Instrument :
MSVOA_W
ClientSampleId :
DBGX5RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.798	1.64 ug/L	4314	1,4-Dichlorobenzene-d4	13.554	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	47
2	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	43
3	Heptadecane, 4-methyl-	254	C18H38	026429-11-8	40
4	Octadecane, 3-ethyl-5-(2-ethylbu...	366	C26H54	055282-12-7	40
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
Data File : VW018190.D
Acq On : 17 Feb 2021 16:36
Operator : SY/VA
Sample : M1414-09RE
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGX5RE

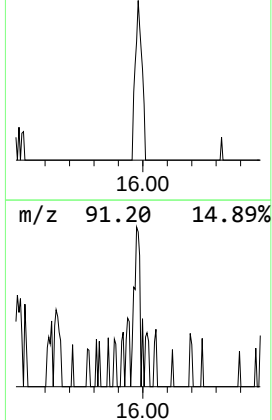
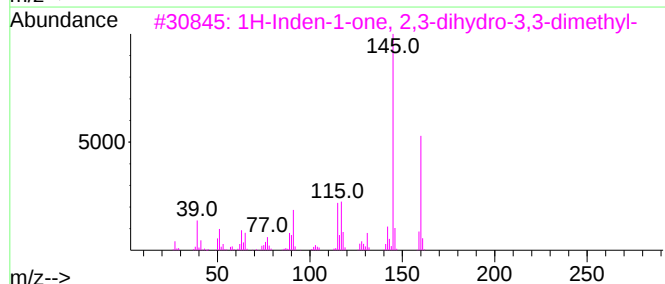
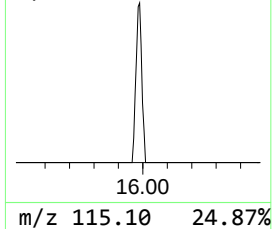
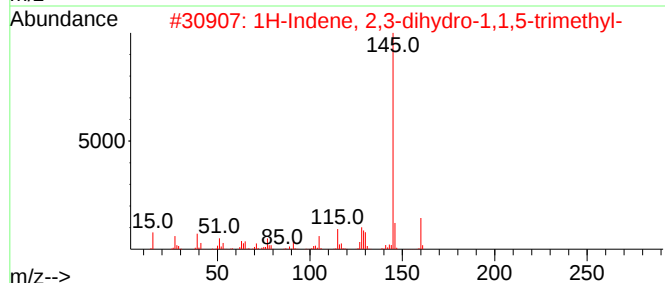
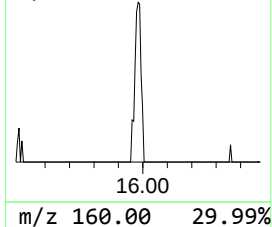
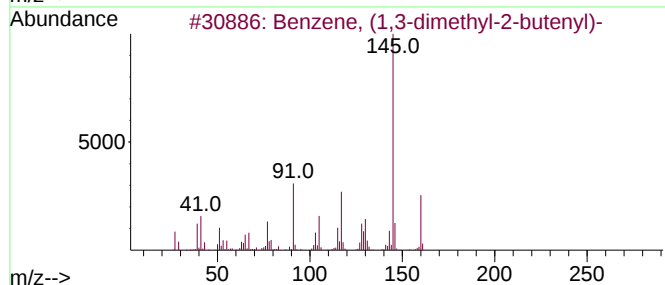
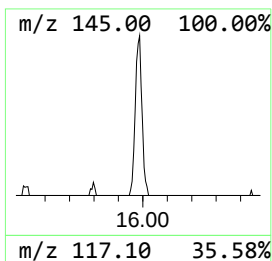
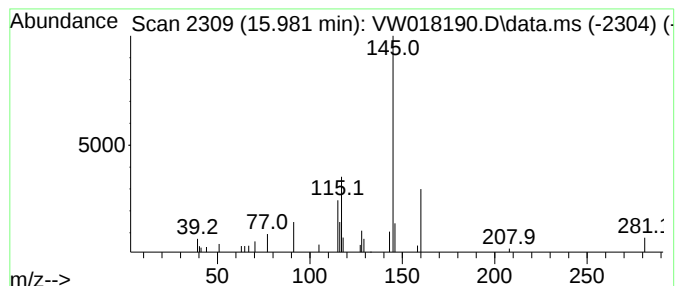
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Quant Title : VOC Analysis

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

Peak Number 28 Benzene, (1,3-dimethyl-2-bu... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.981	3.44 ug/L	9059	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	72
2			1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	72
3			1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	72
4			Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	64
5			Ethanone, 1-[4-(1-methylethenyl)]...	160	C11H12O	005359-04-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
 Data File : VW018190.D
 Acq On : 17 Feb 2021 16:36
 Operator : SY/VA
 Sample : M1414-09RE
 Misc : 5.72G/10ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBGX5RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.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
3-Heptyne, 2,2-...	12.530	2.0	ug/L	20654	2	11.628	252523	25.0
(DEL) Alkane: S...	12.780	7.2	ug/L	19020	3	13.554	65922	25.0
Bicyclo[2.2.1]h...	12.951	58.4	ug/L	154033	3	13.554	65922	25.0
Bicyclo[2.2.1]h...	13.048	159.5	ug/L	420643	3	13.554	65922	25.0
Benzene, tert-b...	13.207	18.4	ug/L	48554	3	13.554	65922	25.0
Limonene	13.469	10.8	ug/L	28526	3	13.554	65922	25.0
o-Cymene	13.652	7.2	ug/L	19019	3	13.554	65922	25.0
Benzene, 1-meth...	14.201	8.1	ug/L	21335	3	13.554	65922	25.0
(DEL) Alkane: C...	14.341	26.4	ug/L	69636	3	13.554	65922	25.0
Tricyclo[5.3.0]...	14.524	8.2	ug/L	21504	3	13.554	65922	25.0
Benzene, 1,3-bi...	14.572	115.0	ug/L	303280	3	13.554	65922	25.0
unknown-01	14.652	18.2	ug/L	47940	3	13.554	65922	25.0
Benzene, 1,2-bi...	14.682	15.0	ug/L	39571	3	13.554	65922	25.0
Naphthalene, 1,...	14.743	5.9	ug/L	15581	3	13.554	65922	25.0
Benzene, 1,4-bi...	14.774	15.7	ug/L	41298	3	13.554	65922	25.0
unknown-02	14.883	4.0	ug/L	10523	3	13.554	65922	25.0
1,2,3-Trimethyl...	14.926	14.9	ug/L	39202	3	13.554	65922	25.0
unknown-03	15.072	4.8	ug/L	12710	3	13.554	65922	25.0
(DEL) Alkane: S...	15.402	1.7	ug/L	4544	3	13.554	65922	25.0
(DEL) Alkane: S...	15.798	1.6	ug/L	4314	3	13.554	65922	25.0
Benzene, (1,3-d...	15.981	3.4	ug/L	9059	3	13.554	65922	25.0