

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
 Data File : VW018469.D
 Acq On : 26 Mar 2021 14:29
 Operator : SY/VA
 Sample : M1816-07
 Misc : 5.91G/10ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3M5

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\SOM2WLM031921S.M

Title : VOC Analysis

Signal : TIC: VW018469.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.154	37	41	42	rBV2	3246	3326	0.20%	0.017%
2	2.355	69	74	86	rVB	114303	215417	12.90%	1.126%
3	2.892	156	162	176	rVB	89134	217858	13.05%	1.139%
4	3.257	220	222	231	rVB4	815	1181	0.07%	0.006%
5	3.324	231	233	234	rBV	917	622	0.04%	0.003%
6	3.385	242	243	247	rVB3	828	818	0.05%	0.004%
7	3.855	318	320	326	rBV4	525	862	0.05%	0.005%
8	4.019	335	347	361	rBV	165902	499282	29.90%	2.610%
9	4.221	378	380	383	rBV4	549	694	0.04%	0.004%
10	4.391	397	408	412	rBV3	2423	7001	0.42%	0.037%
11	4.775	468	471	474	rVB3	741	659	0.04%	0.003%
12	4.812	474	477	480	rBV3	497	597	0.04%	0.003%
13	4.916	484	494	508	rBV4	17982	64281	3.85%	0.336%
14	5.129	526	529	531	rBV2	682	615	0.04%	0.003%
15	5.391	569	572	574	rBV2	637	740	0.04%	0.004%
16	5.428	574	578	580	rBV5	1226	1530	0.09%	0.008%
17	5.495	585	589	593	rVB4	833	1207	0.07%	0.006%
18	5.934	652	661	671	rVB7	5513	17202	1.03%	0.090%
19	6.098	686	688	689	rBV	639	664	0.04%	0.003%
20	6.184	699	702	703	rBV	618	658	0.04%	0.003%
21	6.446	741	745	746	rBV2	741	672	0.04%	0.004%
22	6.860	807	813	814	rBV2	1765	2667	0.16%	0.014%
23	6.879	814	816	821	rVV6	1488	2599	0.16%	0.014%
24	6.921	821	823	827	rVB2	1103	1223	0.07%	0.006%
25	7.086	840	850	871	rBV2	36438	124271	7.44%	0.650%
26	7.299	883	885	891	rVB4	606	932	0.06%	0.005%
27	7.513	916	920	922	rBV3	713	739	0.04%	0.004%
28	7.537	922	924	930	rVB4	710	1117	0.07%	0.006%
29	7.647	930	942	956	rBV	264695	649592	38.90%	3.396%
30	7.775	962	963	968	rVB3	771	804	0.05%	0.004%
31	7.860	970	977	982	rBV7	1320	3138	0.19%	0.016%
32	7.927	982	988	996	rVB4	4532	12318	0.74%	0.064%
33	8.031	998	1005	1015	rVB5	5836	16198	0.97%	0.085%
34	8.153	1019	1025	1033	rVB5	8032	17952	1.07%	0.094%
35	8.275	1033	1045	1063	rBV2	487445	1482680	88.78%	7.751%
36	8.409	1063	1067	1068	rVV3	3140	3541	0.21%	0.019%

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Integration Parameters: LSCINT.P

Integrator: RTE

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Min Area: 0 % of largest Peak

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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\SOM2WLM031921S.M
 Title : VOC Analysis

37	8.482	1072	1079	1089	rVV	28763	75805	4.54%	0.396%
38	8.573	1092	1094	1099	rVB3	1174	1584	0.09%	0.008%
39	8.683	1108	1112	1115	rBV5	737	1383	0.08%	0.007%
40	8.842	1127	1138	1149	rBV	674454	1320126	79.05%	6.901%
41	9.086	1170	1178	1181	rBV7	3130	6541	0.39%	0.034%
42	9.147	1185	1188	1196	rVB3	2559	4351	0.26%	0.023%
43	9.275	1200	1209	1216	rBV	338795	687635	41.17%	3.595%
44	9.384	1223	1227	1234	rVB3	21598	40145	2.40%	0.210%
45	9.470	1234	1241	1245	rBV3	4793	9623	0.58%	0.050%
46	9.579	1254	1259	1260	rBV3	4056	6059	0.36%	0.032%
47	9.756	1281	1288	1298	rBV	52506	110672	6.63%	0.579%
48	9.890	1303	1310	1317	rVV	70277	151929	9.10%	0.794%
49	9.957	1318	1321	1322	rVV2	14113	17940	1.07%	0.094%
50	9.988	1323	1326	1329	rVV2	29195	50100	3.00%	0.262%
51	10.037	1329	1334	1339	rVV	193284	350103	20.96%	1.830%
52	10.098	1339	1344	1357	rVB2	55752	139802	8.37%	0.731%
53	10.250	1361	1369	1374	rBV	69106	118488	7.09%	0.619%
54	10.323	1374	1381	1392	rBV	744913	1319478	79.01%	6.898%
55	10.445	1398	1401	1404	rBV4	5172	5940	0.36%	0.031%
56	10.488	1404	1408	1411	rBV5	5970	11613	0.70%	0.061%
57	10.579	1417	1423	1433	rBV	124111	227453	13.62%	1.189%
58	10.707	1440	1444	1447	rVB	8878	12460	0.75%	0.065%
59	10.768	1448	1454	1462	rBV7	27091	69110	4.14%	0.361%
60	10.841	1463	1466	1474	rVB	35372	58991	3.53%	0.308%
61	10.927	1474	1480	1488	rBV2	179440	350656	21.00%	1.833%
62	11.036	1493	1498	1507	rVB	67851	135930	8.14%	0.711%
63	11.110	1507	1510	1513	rBV4	11838	17289	1.04%	0.090%
64	11.225	1526	1529	1535	rVB3	22446	35292	2.11%	0.184%
65	11.335	1543	1547	1551	rBV2	39731	69047	4.13%	0.361%
66	11.408	1551	1559	1571	rVB2	139099	351176	21.03%	1.836%
67	11.512	1571	1576	1586	rBV	151798	255016	15.27%	1.333%
68	11.628	1587	1595	1602	rBV	943749	1670035	100.00%	8.730%
69	11.695	1602	1606	1610	rVB2	56934	80513	4.82%	0.421%
70	11.878	1630	1636	1640	rBV2	79168	135835	8.13%	0.710%
71	12.067	1663	1667	1671	rBV3	45348	69474	4.16%	0.363%
72	12.134	1674	1678	1684	rVV3	64370	107030	6.41%	0.560%
73	12.250	1694	1697	1701	rVB	78565	109052	6.53%	0.570%
74	12.506	1732	1739	1742	rBV6	62911	163933	9.82%	0.857%
75	12.591	1747	1753	1759	rVV3	197511	489957	29.34%	2.561%
76	12.652	1759	1763	1765	rVV	96407	137513	8.23%	0.719%

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77	12.695	1765	1770	1776	rVV	291721	495664	29.68%	2.591%
78	12.756	1776	1780	1790	rVB5	44757	131913	7.90%	0.690%
79	12.926	1804	1808	1816	rBV5	89859	211538	12.67%	1.106%
80	13.292	1865	1868	1873	rVB2	55381	81296	4.87%	0.425%
81	13.408	1883	1887	1890	rBV2	69712	101518	6.08%	0.531%
82	13.481	1897	1899	1902	rBV2	45158	50212	3.01%	0.262%
83	13.554	1906	1911	1917	rVV	959768	1493805	89.45%	7.809%
84	13.749	1940	1943	1947	rVB	101991	143970	8.62%	0.753%
85	13.798	1948	1951	1954	rVB2	50601	62350	3.73%	0.326%
86	13.853	1954	1960	1968	rBV2	676639	1266592	75.84%	6.621%
87	14.201	2012	2017	2022	rBV5	96816	171495	10.27%	0.897%
88	14.383	2045	2047	2050	rBV2	41823	55681	3.33%	0.291%
89	14.457	2056	2059	2062	rVB	70485	82344	4.93%	0.430%
90	14.499	2062	2066	2069	rBV	210988	299116	17.91%	1.564%
91	14.639	2085	2089	2093	rVB	131749	175011	10.48%	0.915%
92	14.688	2093	2097	2098	rBV4	57446	80862	4.84%	0.423%
93	14.725	2100	2103	2108	rVB2	172146	252299	15.11%	1.319%
94	14.786	2108	2113	2120	rBV4	142694	345217	20.67%	1.805%
95	15.060	2154	2158	2171	rVV2	182618	452835	27.12%	2.367%
96	15.176	2172	2177	2185	rVB4	150709	327113	19.59%	1.710%
97	15.322	2197	2201	2205	rBV4	72792	142200	8.51%	0.743%
98	15.469	2220	2225	2230	rBV4	83618	166496	9.97%	0.870%
99	15.651	2252	2255	2261	rVB2	71427	124647	7.46%	0.652%
100	16.011	2310	2314	2321	rVB4	37190	84395	5.05%	0.441%

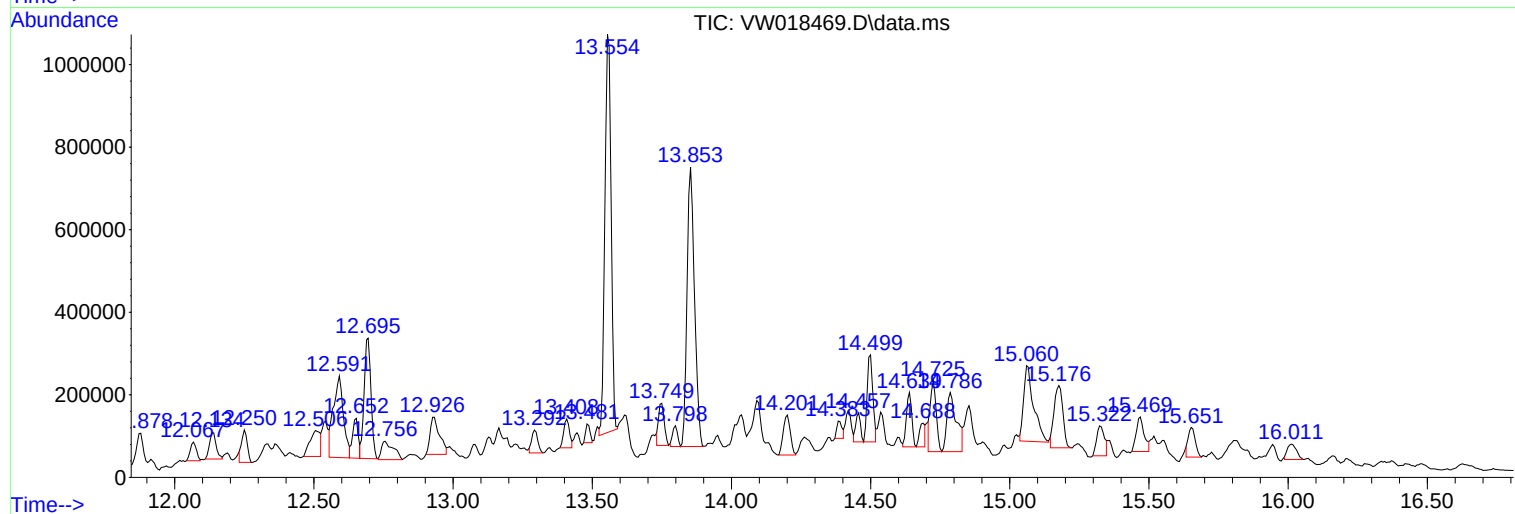
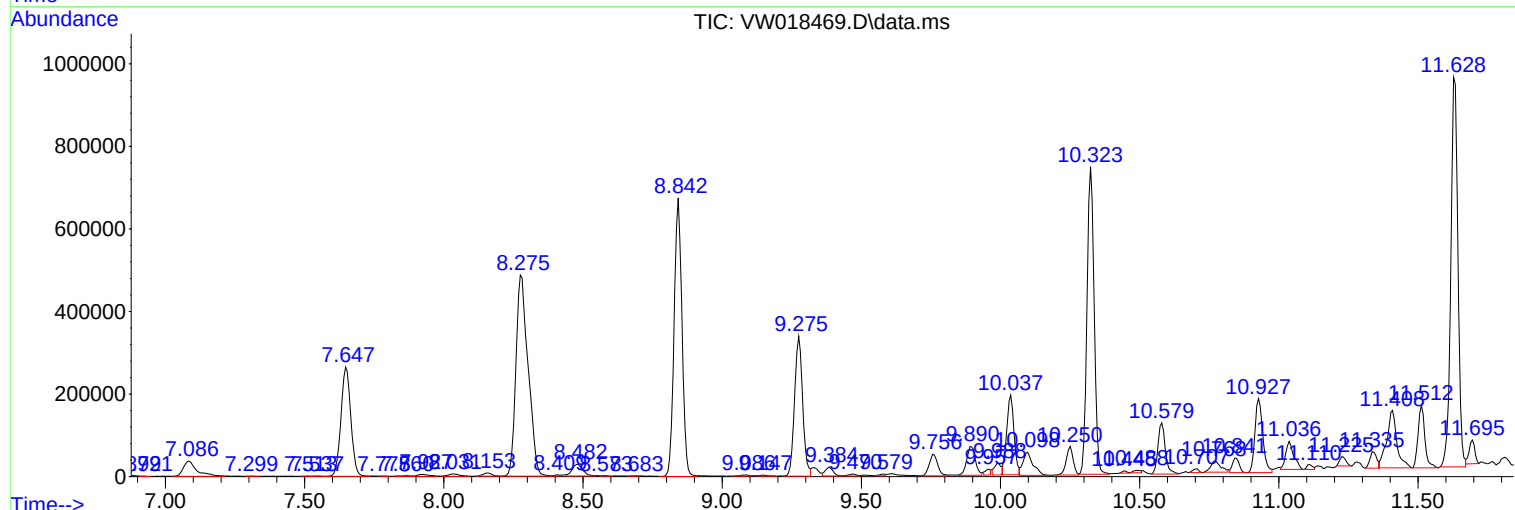
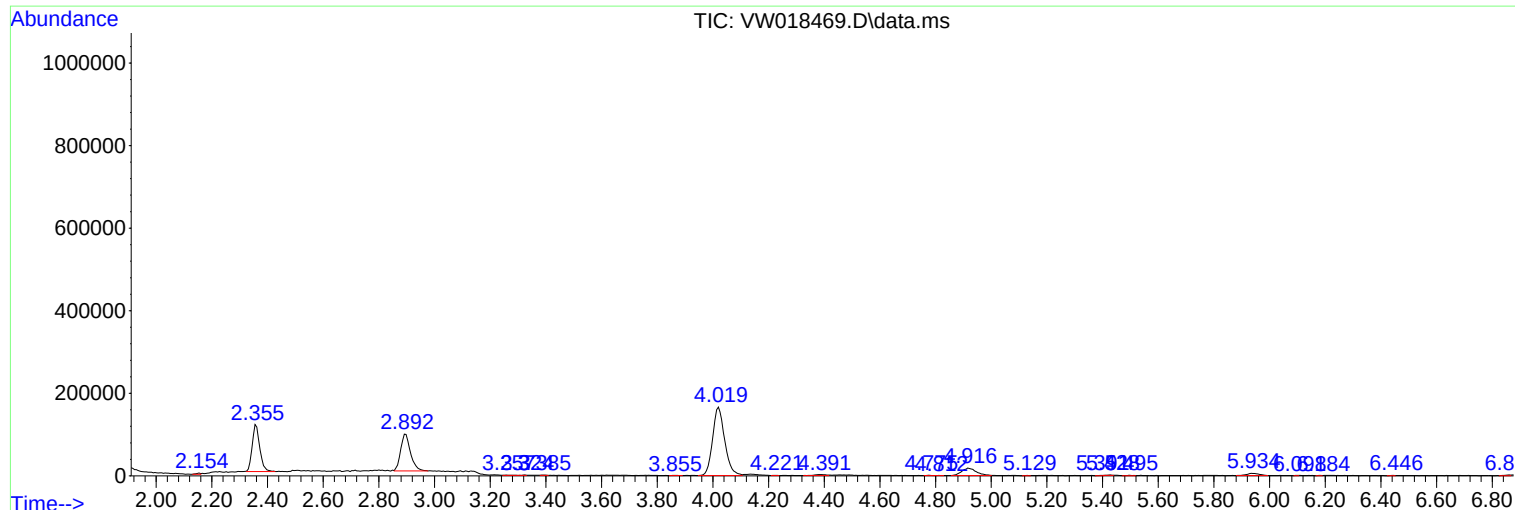
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Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis

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



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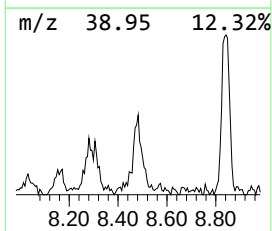
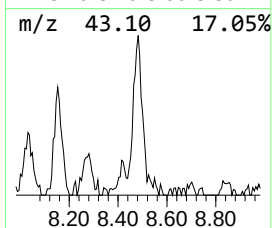
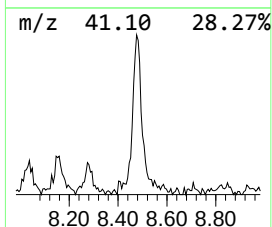
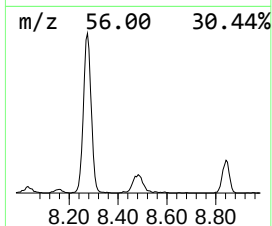
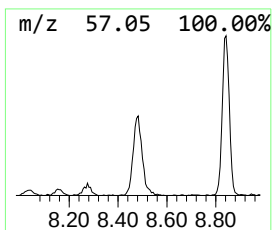
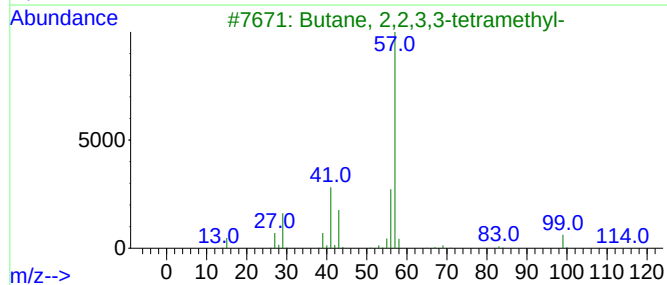
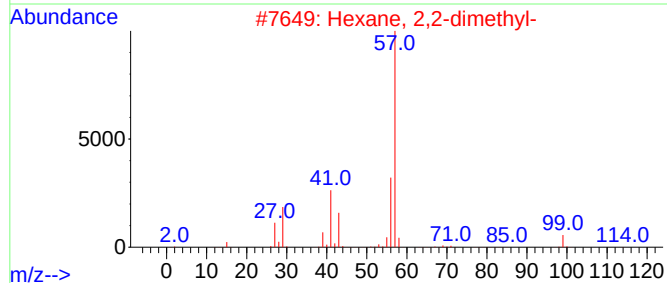
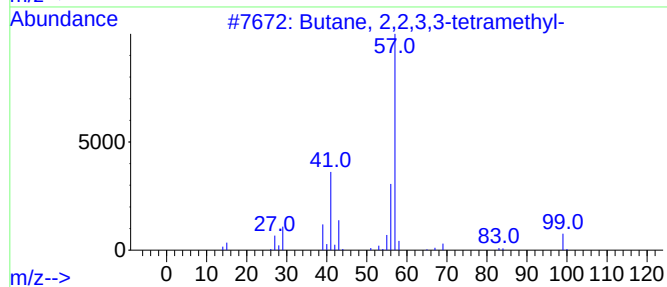
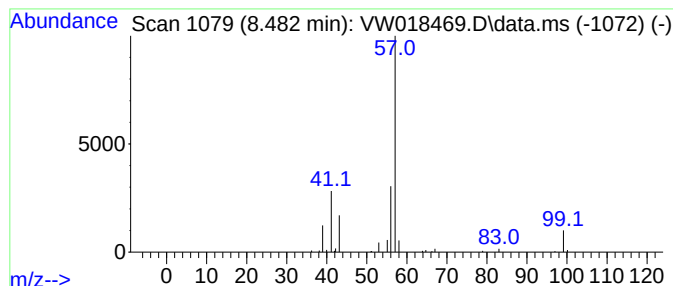
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.482	1.44 ug/L	75805	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
2			Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
3			Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	56
4			Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	56
5			Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	56



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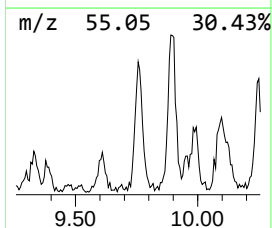
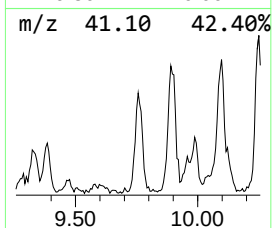
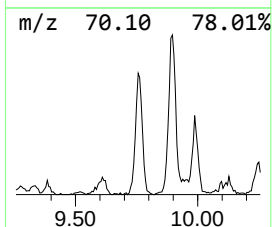
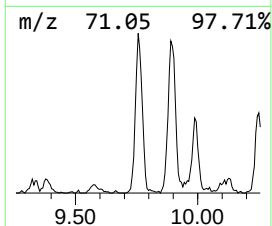
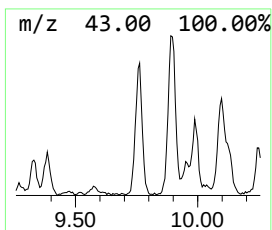
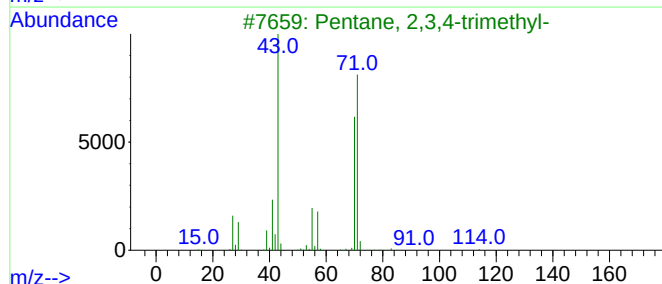
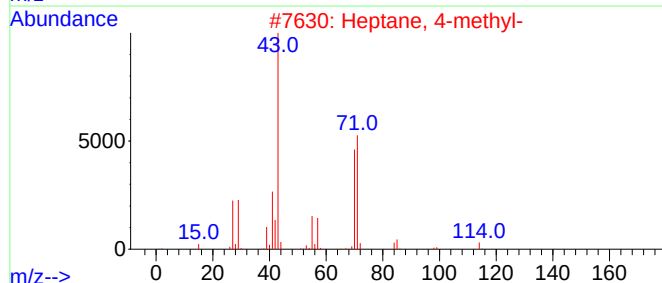
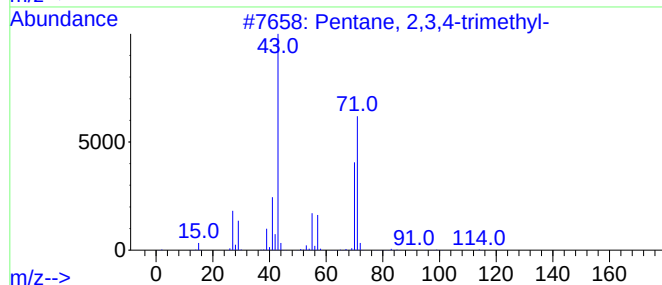
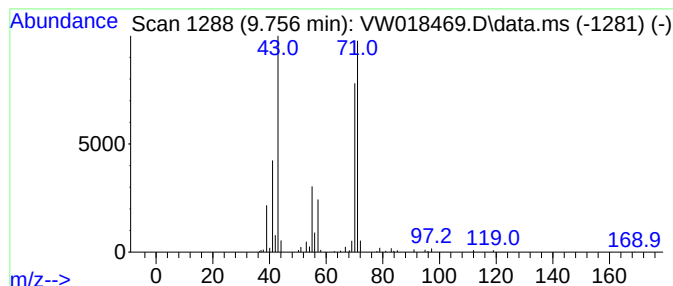
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.756	2.10 ug/L	110672	1,4-Difluorobenzene	8.842

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	83
2		Heptane, 4-methyl-	114	C8H18	000589-53-7	83
3		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	83
4		Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
5		Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	83



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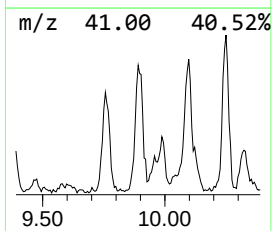
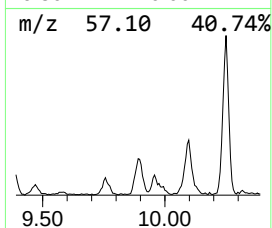
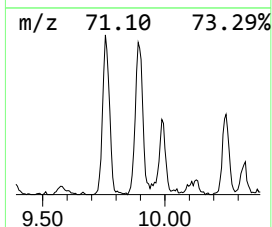
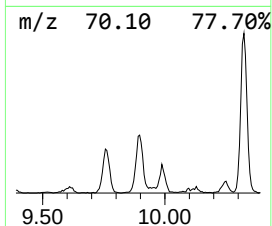
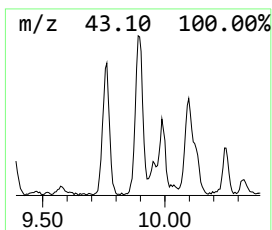
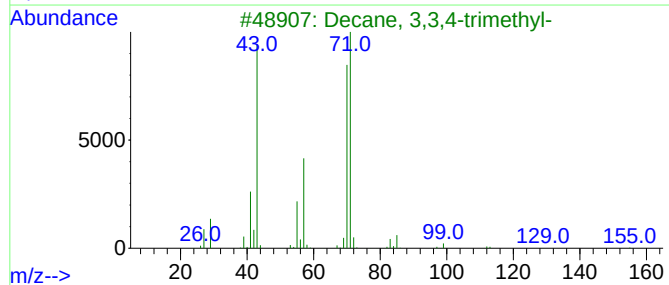
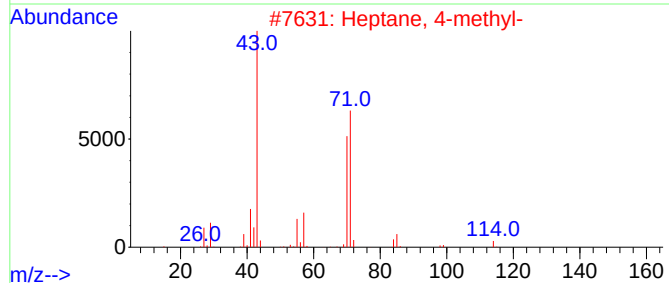
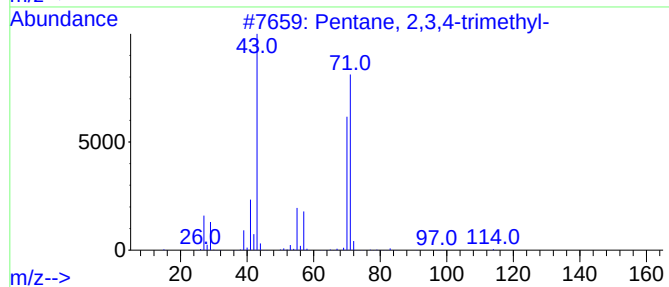
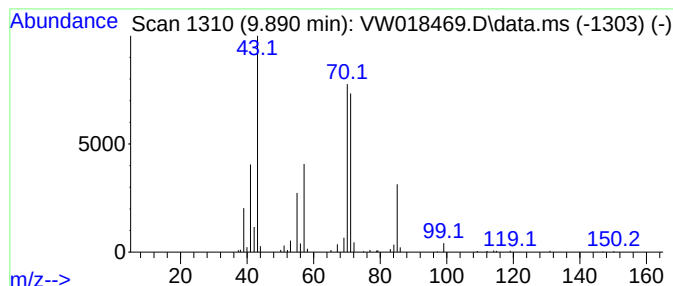
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.890	2.88 ug/L	151929	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	80
2			Heptane, 4-methyl-	114	C8H18	000589-53-7	78
3			Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	72
4			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64
5			Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3M5

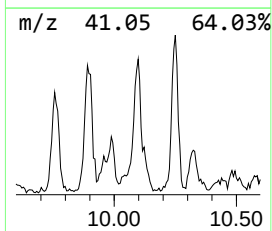
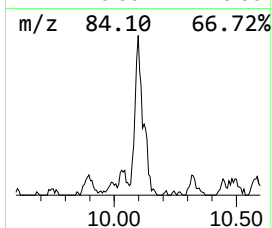
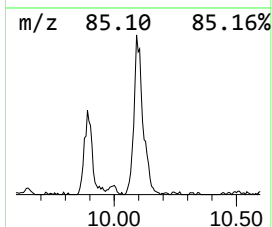
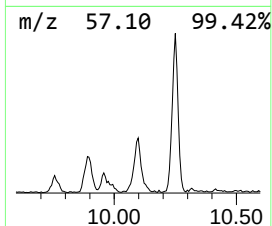
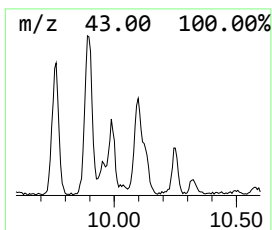
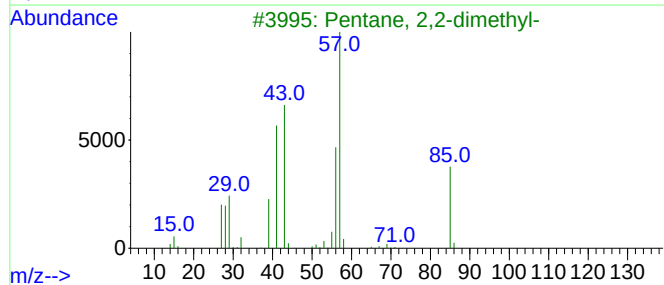
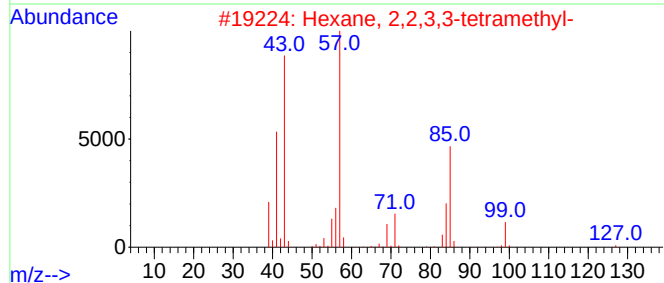
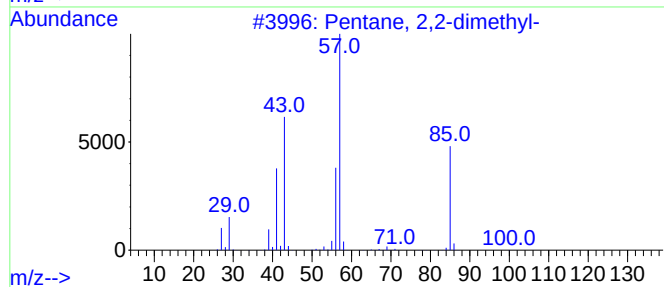
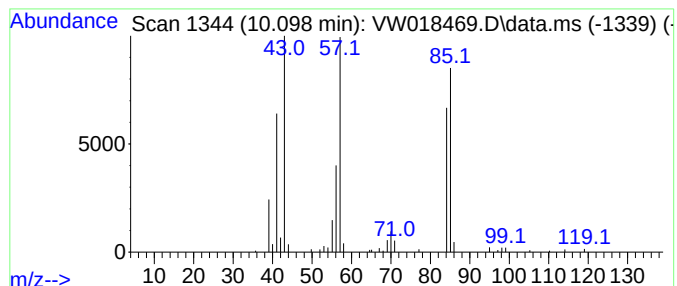
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.098	2.65 ug/L	139802	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59
2			Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	53
3			Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53
4			Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	50
5			Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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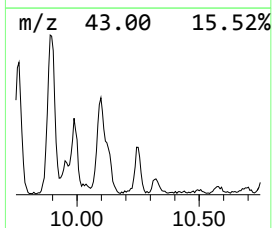
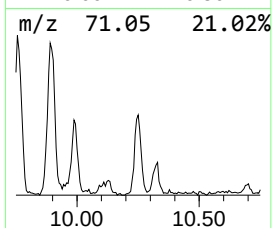
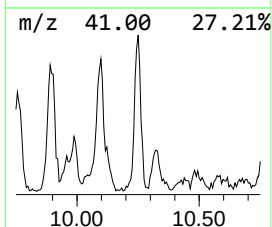
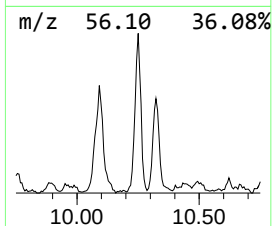
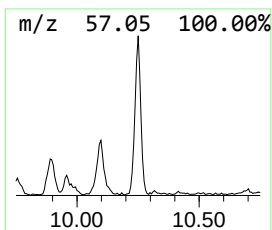
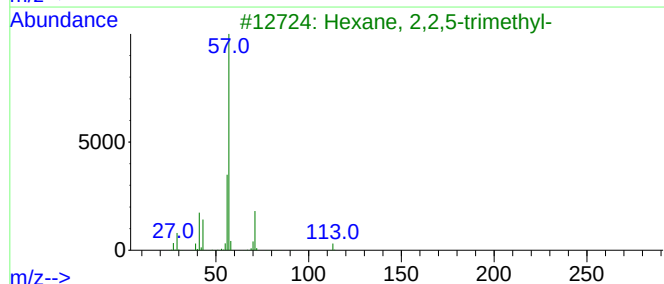
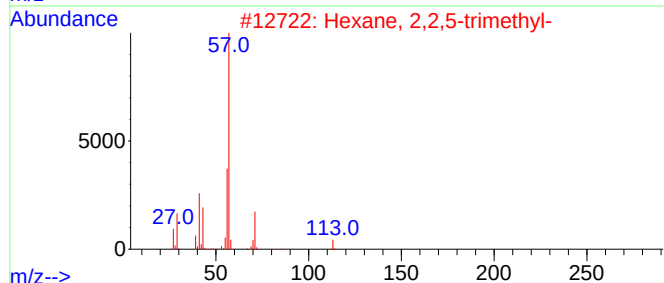
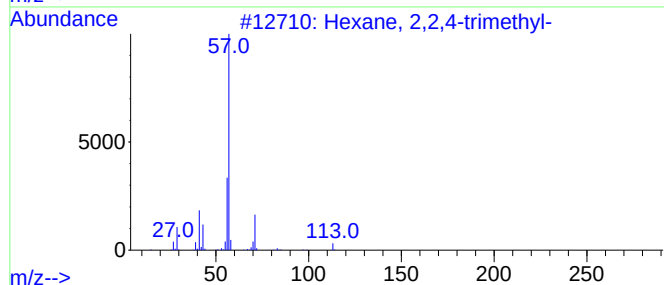
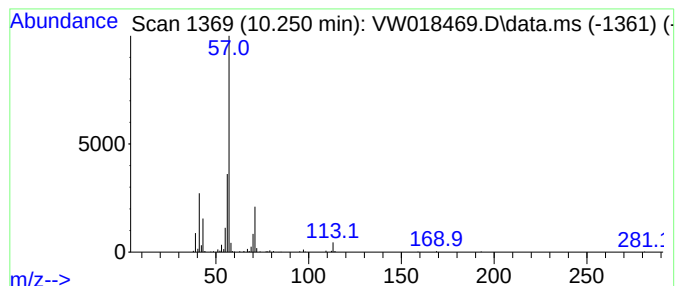
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.250	1.77 ug/L	118488	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	83
2			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	83
3			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	78
4			Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	78
5			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3M5

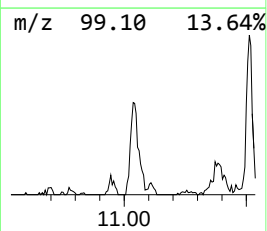
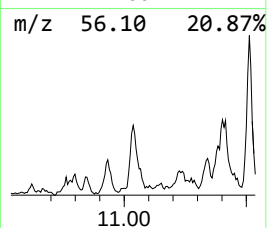
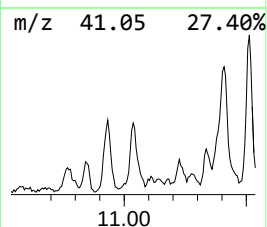
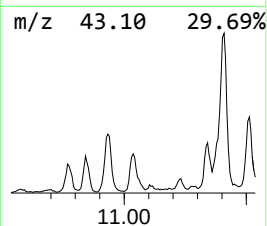
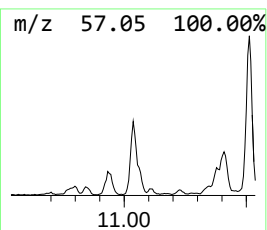
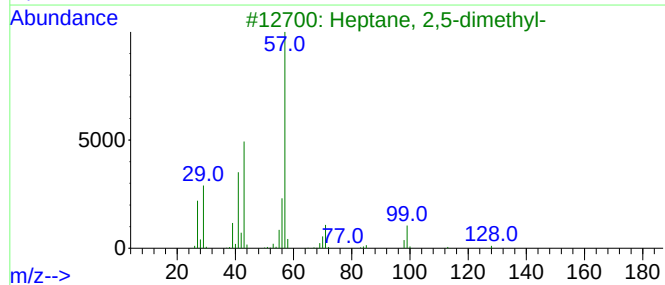
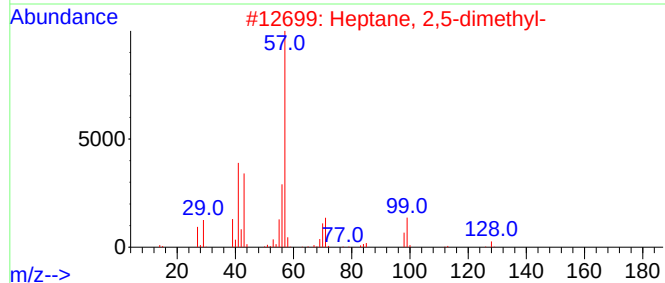
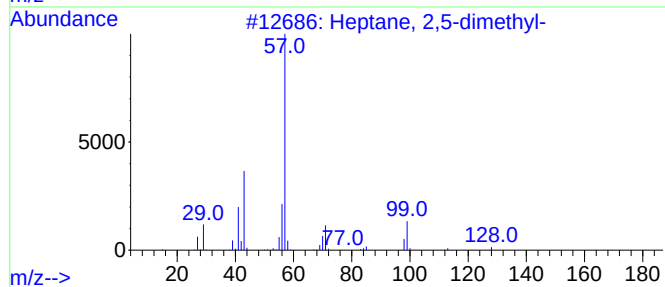
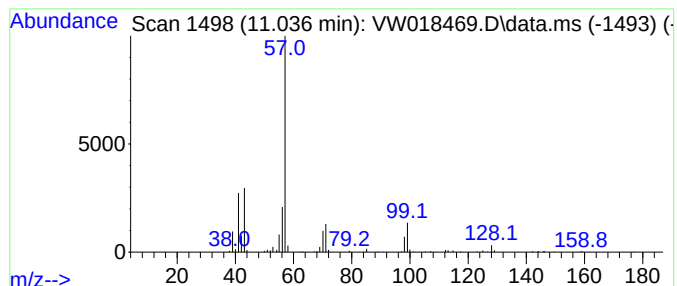
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.037	2.03 ug/L	135930	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	83
2			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
3			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	78
4			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	78
5			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

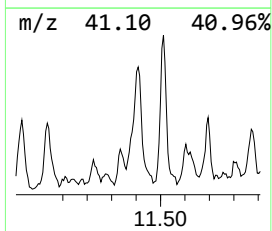
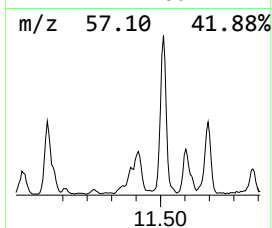
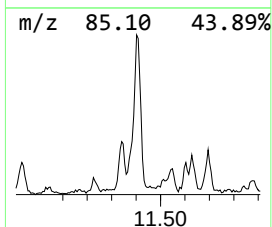
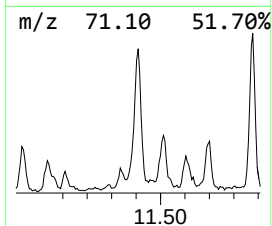
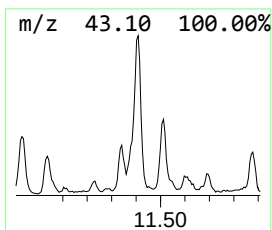
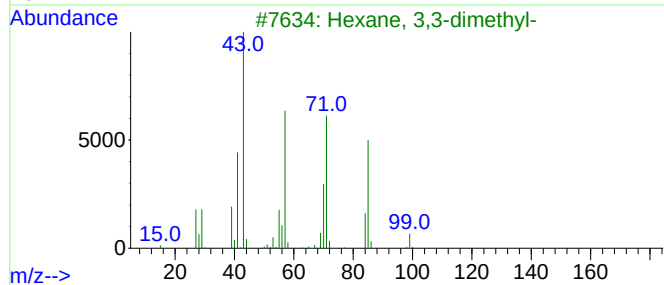
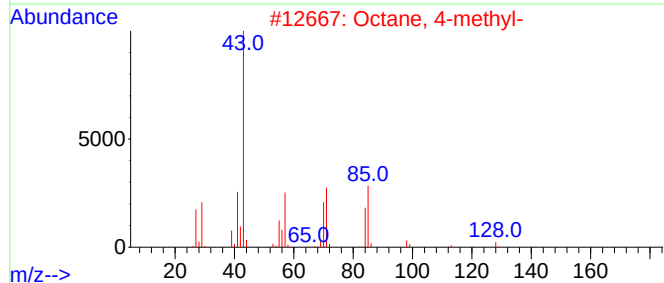
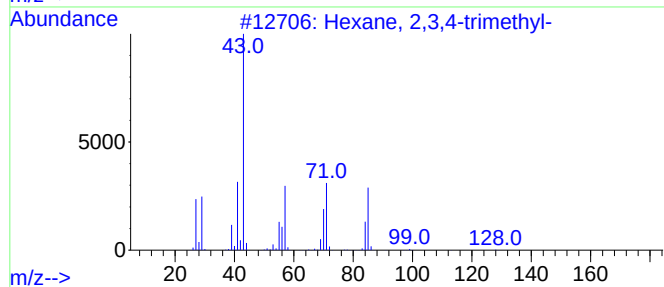
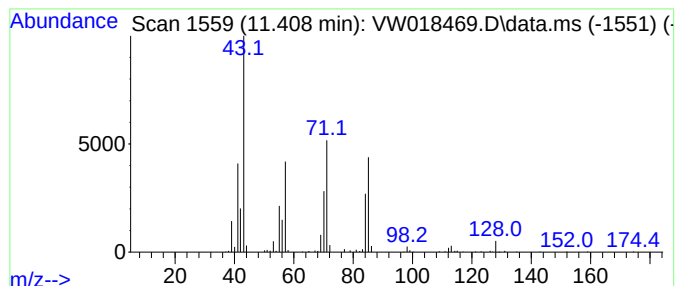
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD			R.T.
11.408	5.26 ug/L	351176	Chlorobenzene-d5			11.628
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Hexane, 2,3,4-trimethyl-		128	C9H20	000921-47-1	72
2	Octane, 4-methyl-		128	C9H20	002216-34-4	72
3	Hexane, 3,3-dimethyl-		114	C8H18	000563-16-6	64
4	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	64
5	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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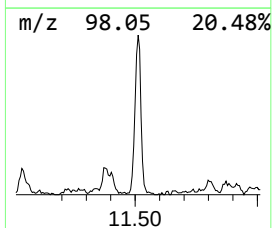
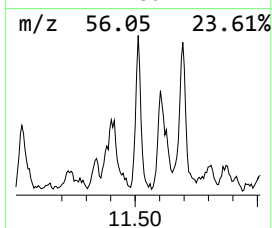
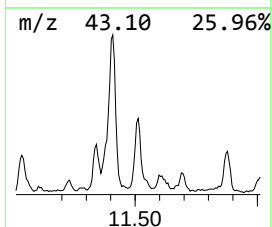
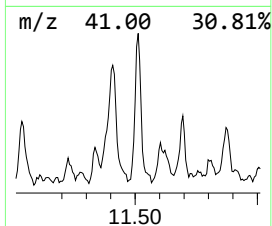
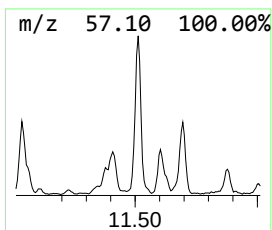
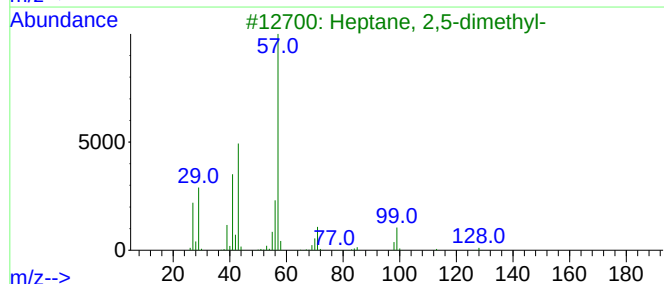
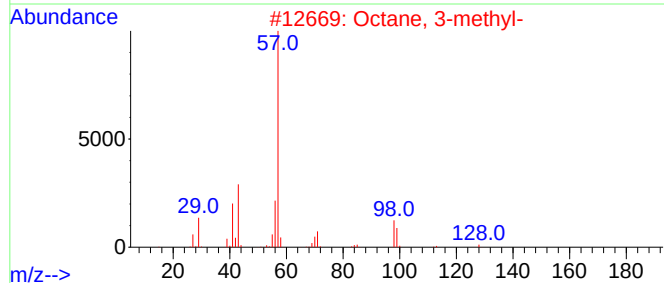
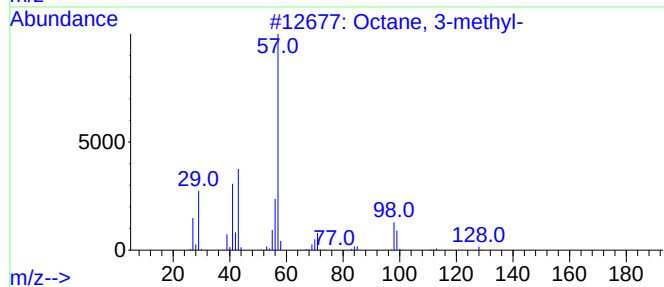
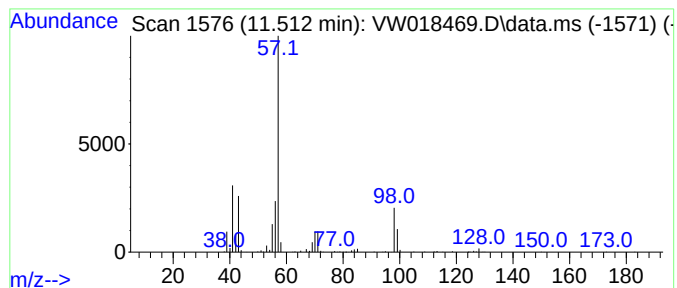
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	3.82 ug/L	255016	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-			128	C9H20	002216-33-3	87
2	Octane, 3-methyl-			128	C9H20	002216-33-3	80
3	Heptane, 2,5-dimethyl-			128	C9H20	002216-30-0	76
4	Heptane, 2,5-dimethyl-			128	C9H20	002216-30-0	70
5	Heptane, 4-(1-methylethyl)-			142	C10H22	052896-87-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

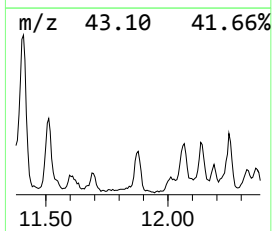
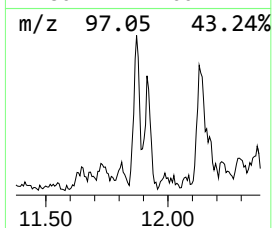
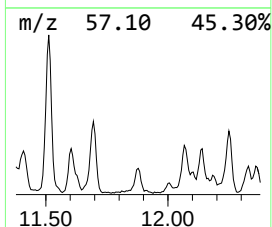
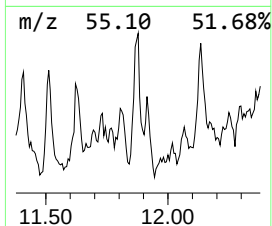
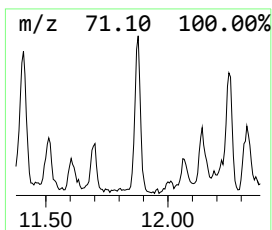
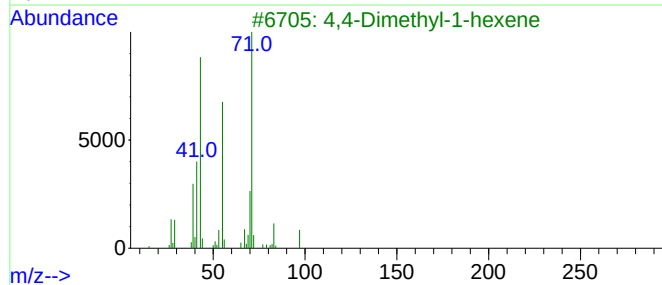
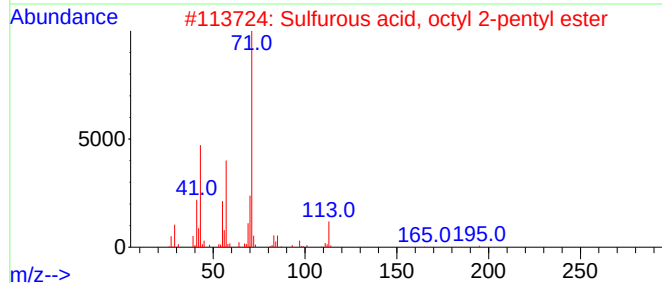
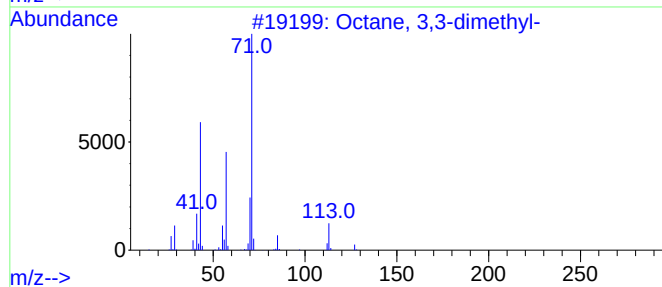
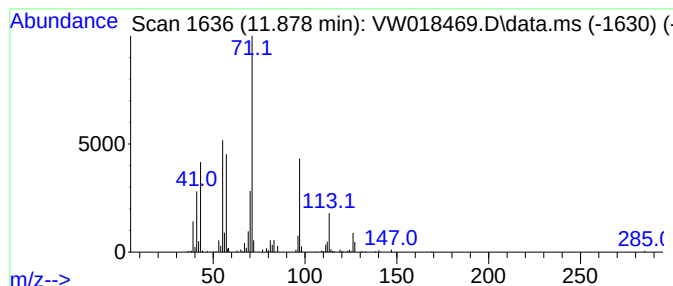
Instrument :
MSVOA_W
ClientSampleId :
BG3M5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.878	2.03 ug/L	135835	Chlorobenzene-d5		11.628	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 3,3-dimethyl-		142	C10H22	004110-44-5	53
2	Sulfurous acid, octyl 2-pentyl e...		264	C13H28O3S	1000309-15-7	50
3	4,4-Dimethyl-1-hexene		112	C8H16	001647-08-1	50
4	Oxalic acid, neopentyl nonyl ester		286	C16H30O4	1000309-73-3	47
5	Octane, 4-bromo-		192	C8H17Br	000999-06-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3M5

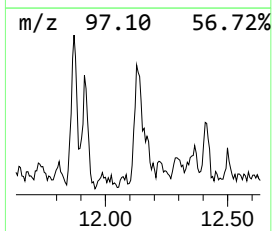
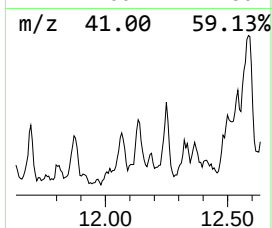
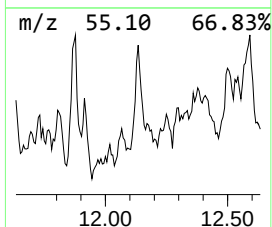
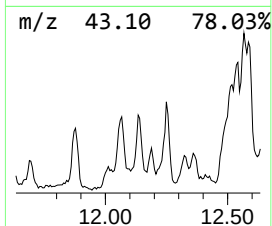
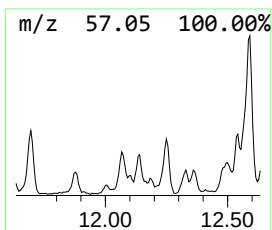
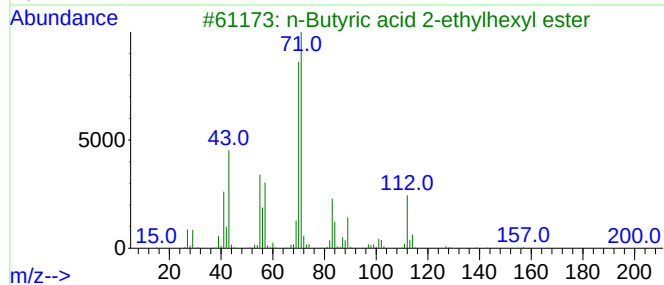
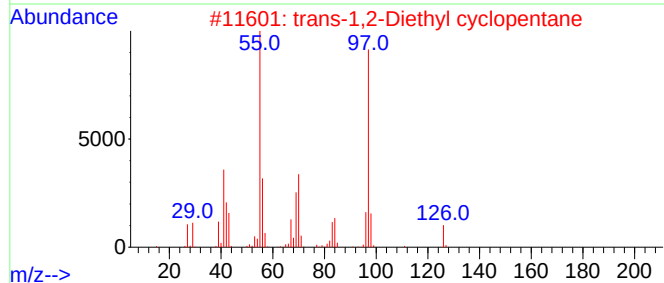
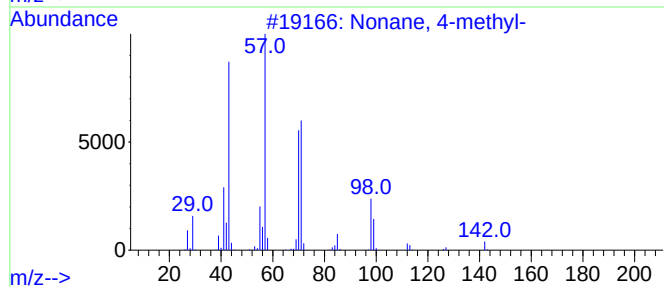
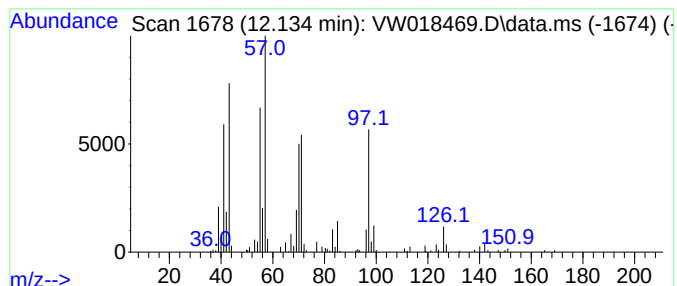
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.134	1.60 ug/L	107030	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 4-methyl-	142	C10H22	017301-94-9	49
2			trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	45
3			n-Butyric acid 2-ethylhexyl ester	200	C12H24O2	025415-84-3	35
4			Heptane, 4-methyl-	114	C8H18	000589-53-7	35
5			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3M5

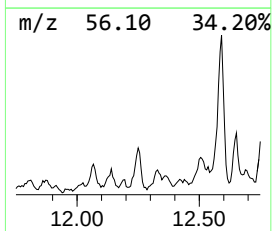
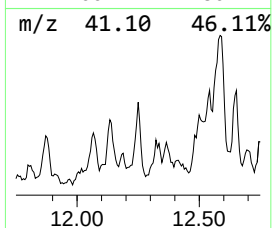
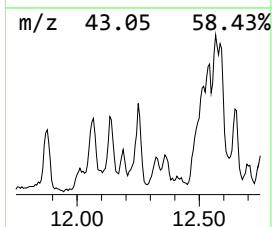
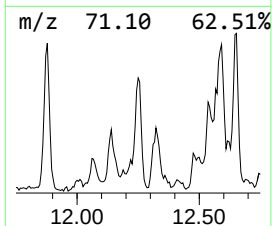
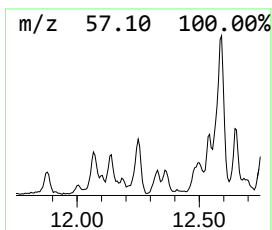
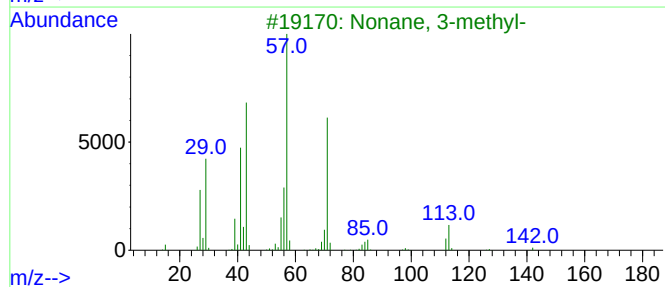
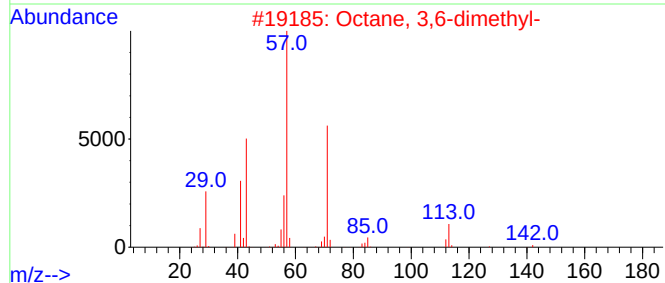
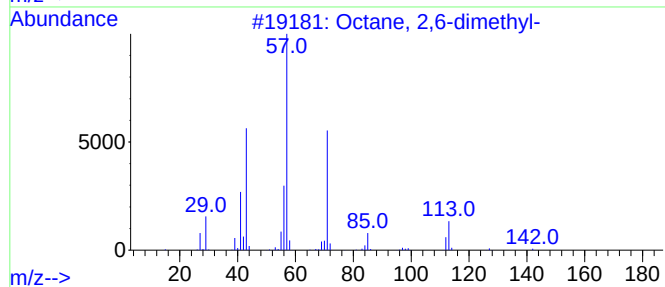
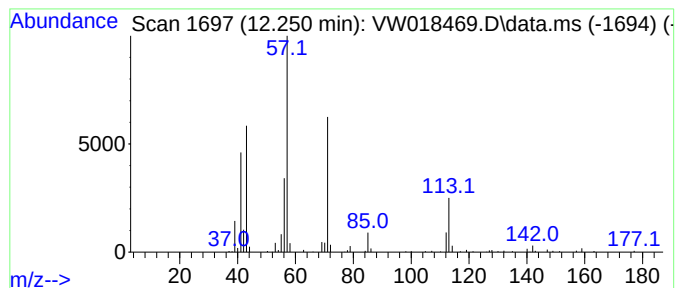
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Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.250	1.63 ug/L	109052	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-			142	C10H22	002051-30-1	90
2	Octane, 3,6-dimethyl-			142	C10H22	015869-94-0	87
3	Nonane, 3-methyl-			142	C10H22	005911-04-6	80
4	Octane, 2,6-dimethyl-			142	C10H22	002051-30-1	72
5	Octane, 2,6-dimethyl-			142	C10H22	002051-30-1	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3M5

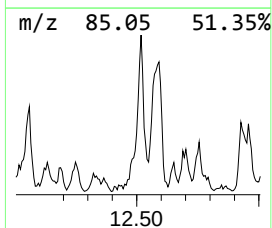
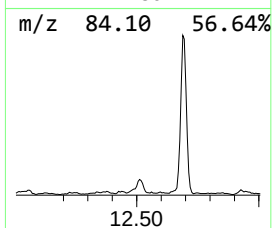
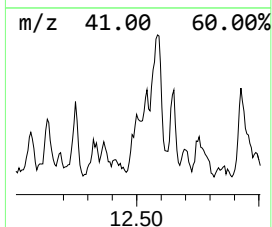
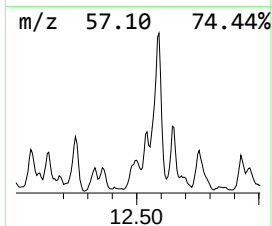
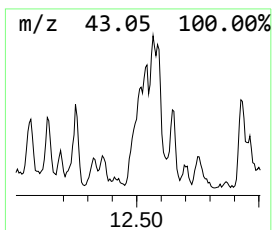
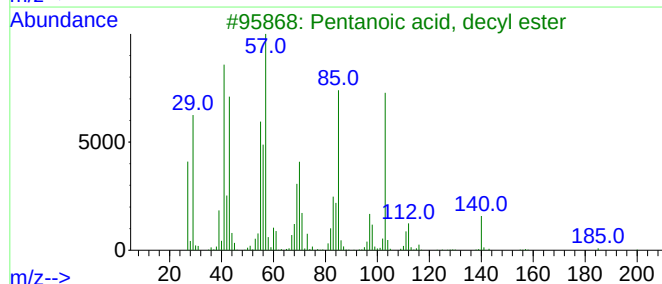
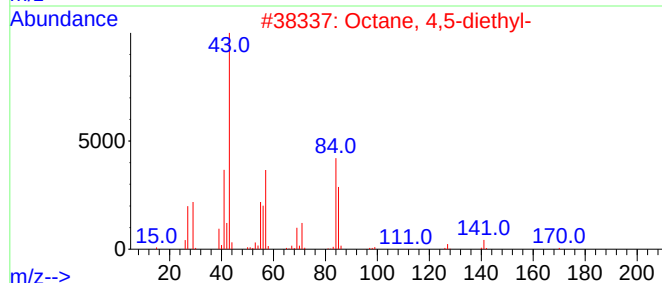
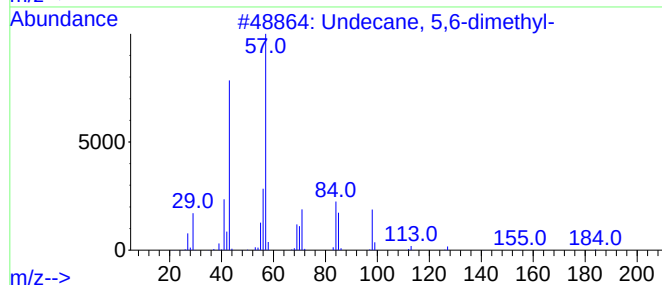
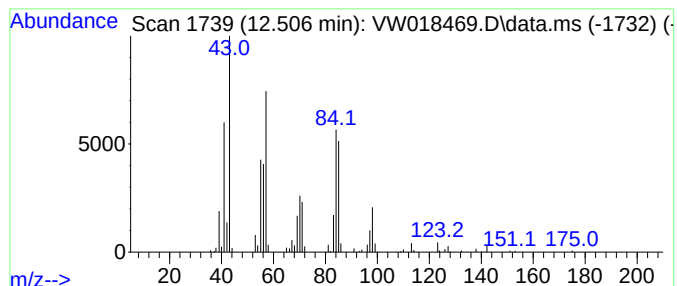
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Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.506	2.45 ug/L	163933	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	47
2			Octane, 4,5-diethyl-	170	C12H26	001636-41-5	47
3			Pentanoic acid, decyl ester	242	C15H30O2	005454-12-6	43
4			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	43
5			Octane, 3,4-dimethyl-	142	C10H22	015869-92-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3M5

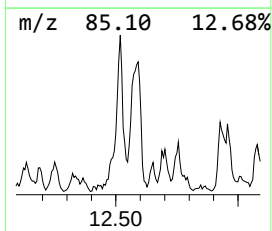
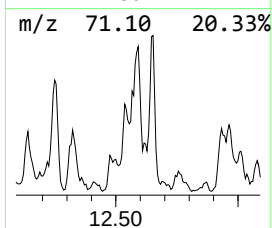
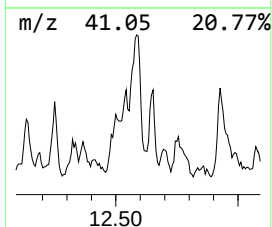
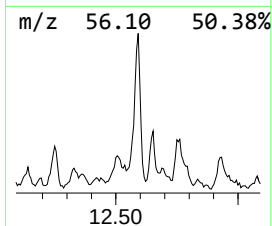
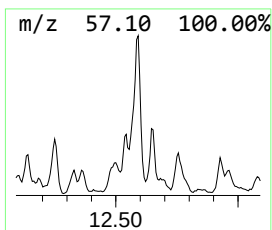
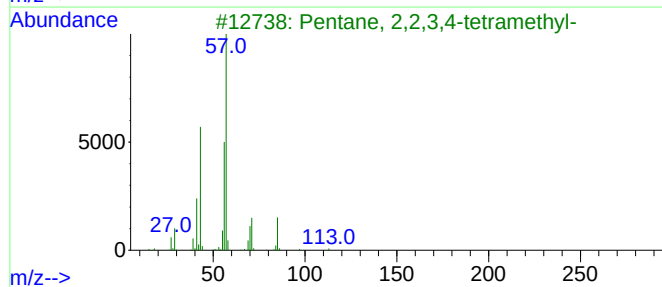
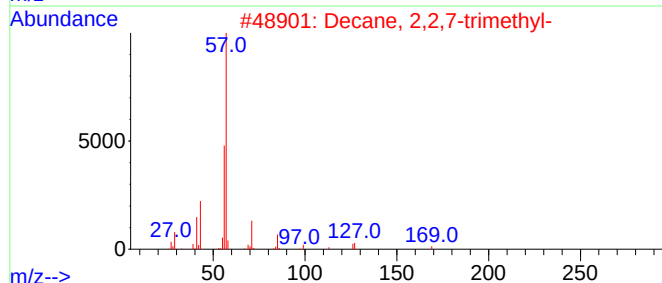
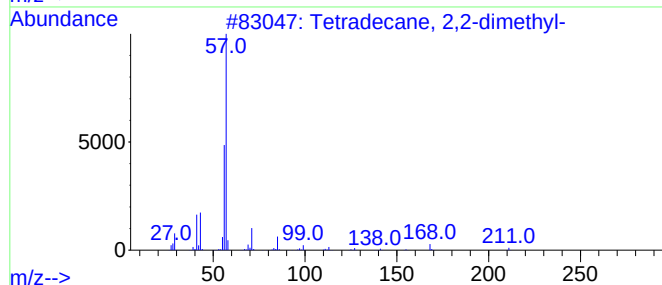
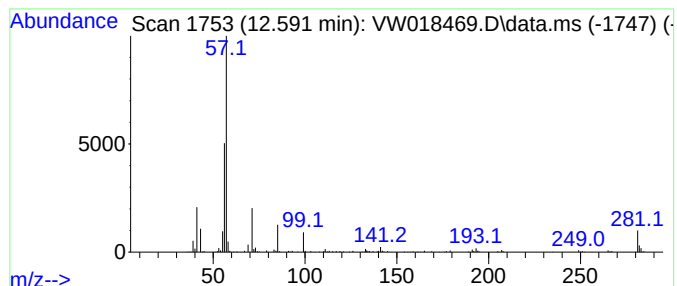
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Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.591	7.33 ug/L	489957	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane, 2,2-dimethyl-	226	C16H34	059222-86-5	64
2			Decane, 2,2,7-trimethyl-	184	C13H28	062237-99-4	59
3			Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	59
4			Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	59
5			Heptane, 2,2,4-trimethyl-	142	C10H22	014720-74-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

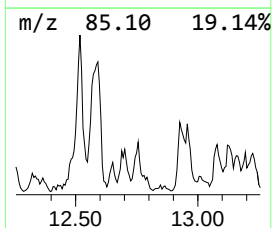
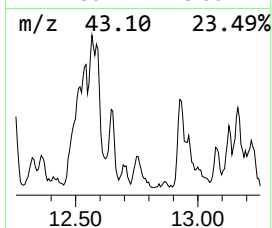
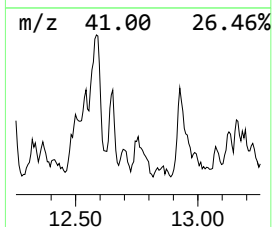
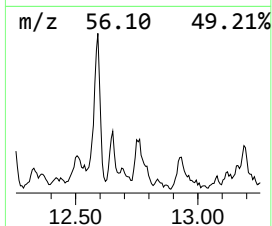
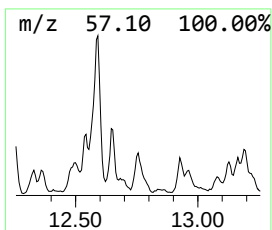
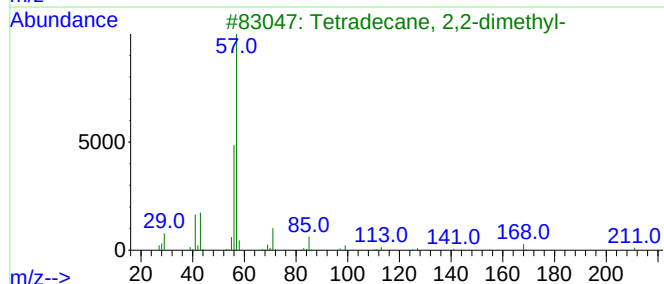
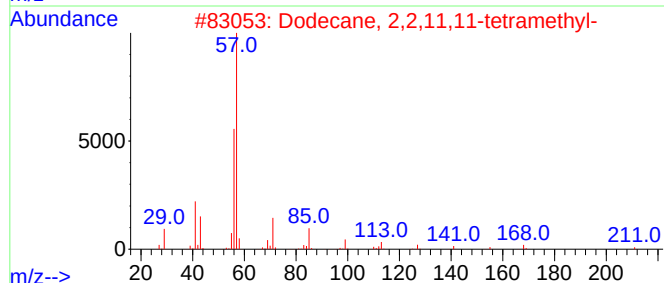
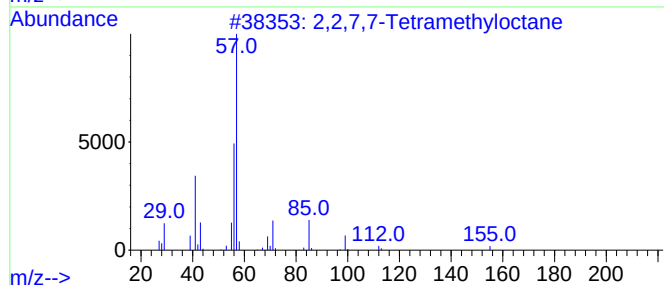
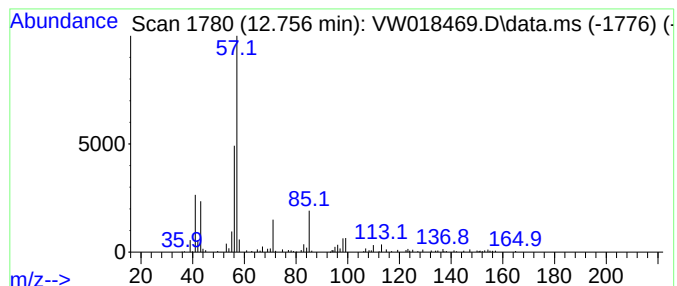
Instrument :
MSVOA_W
ClientSampleId :
BG3M5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.756	2.21 ug/L	131913	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2,2,7,7-Tetramethyloctane		170	C12H26	001071-31-4	72
2	Dodecane, 2,2,11,11-tetramethyl-		226	C16H34	127204-12-0	59
3	Tetradecane, 2,2-dimethyl-		226	C16H34	059222-86-5	53
4	Decane, 2,2,6-trimethyl-		184	C13H28	062237-97-2	53
5	Heptane, 2,2,4,6,6-pentamethyl-		170	C12H26	013475-82-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3M5

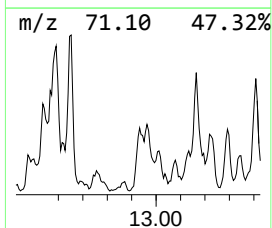
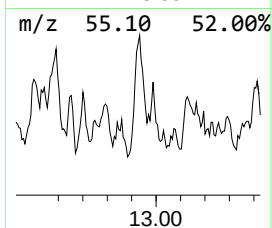
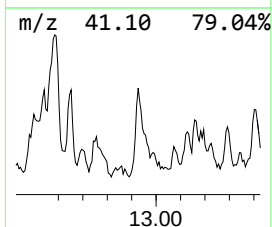
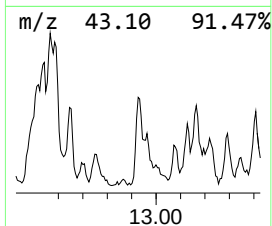
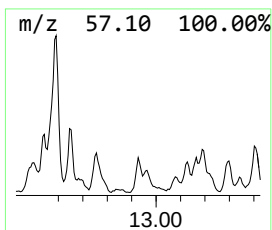
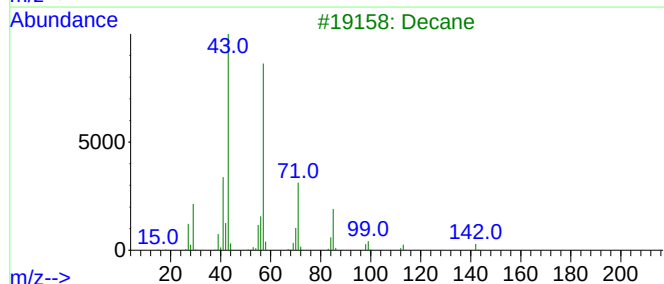
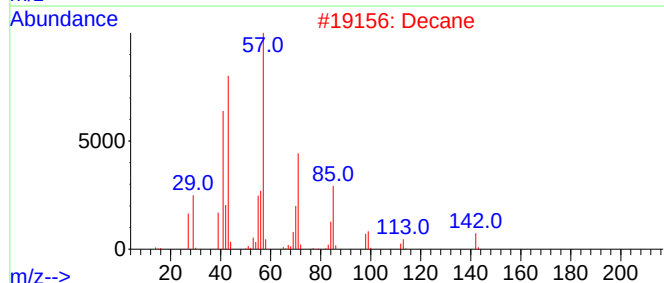
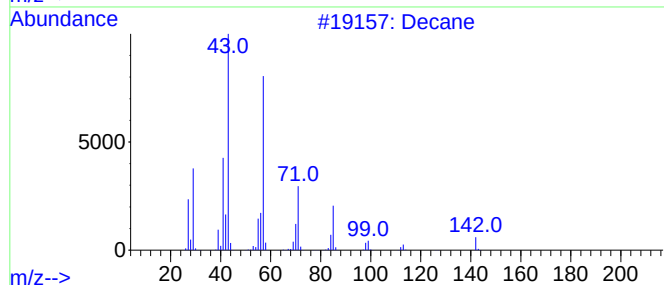
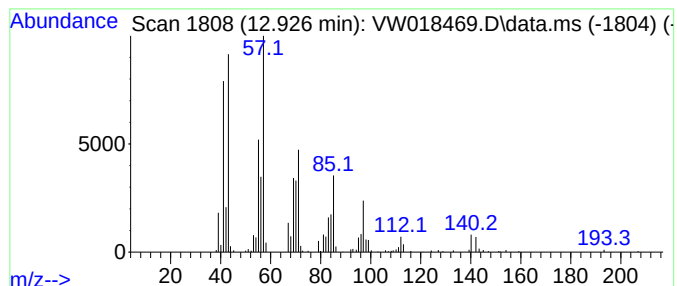
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.926	3.54 ug/L	211538	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane	142	C10H22	000124-18-5	74
2			Decane	142	C10H22	000124-18-5	72
3			Decane	142	C10H22	000124-18-5	62
4			Ethanone, 1-(2,2-dimethylcyclo...	140	C9H16O	003664-75-3	49
5			Decane	142	C10H22	000124-18-5	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

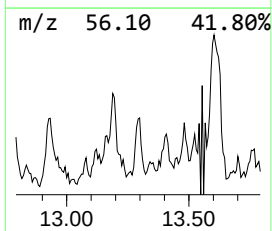
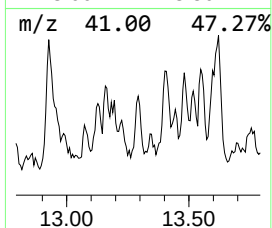
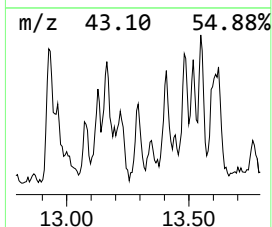
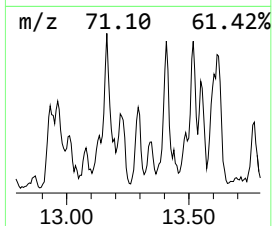
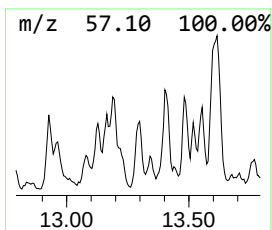
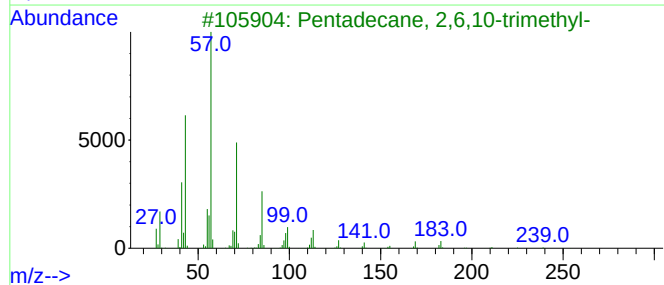
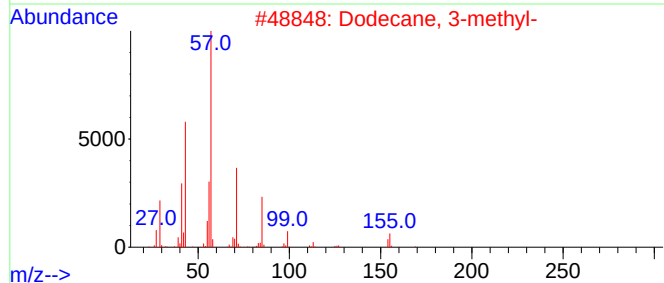
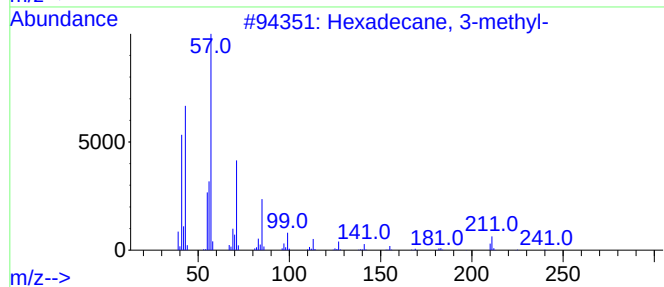
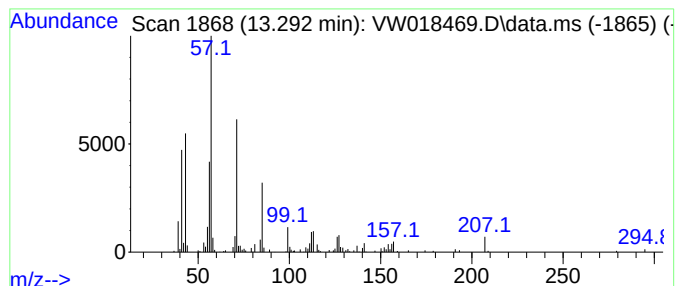
Instrument :
MSVOA_W
ClientSampleId :
BG3M5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.292	1.36 ug/L	81296	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	72
2	Dodecane, 3-methyl-	184	C13H28	017312-57-1	53
3	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	53
4	Tridecane, 5-propyl-	226	C16H34	055045-11-9	53
5	Hentriacontane	437	C31H64	000630-04-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BG3M5

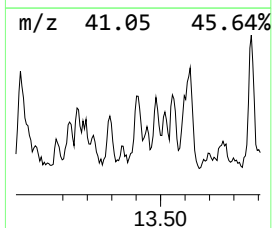
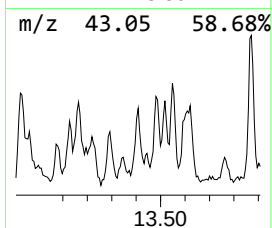
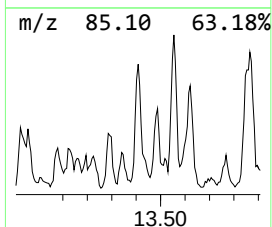
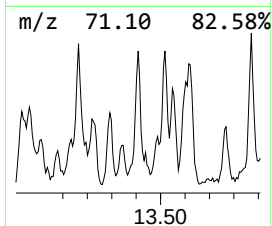
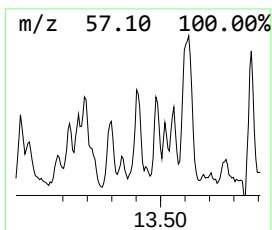
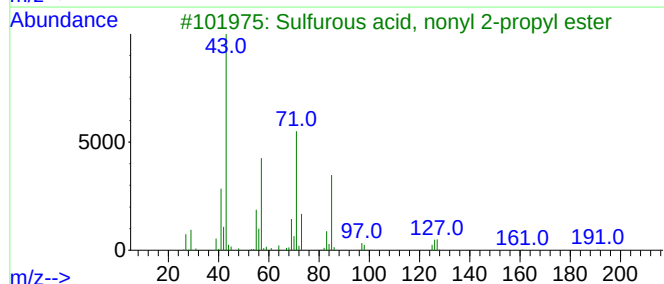
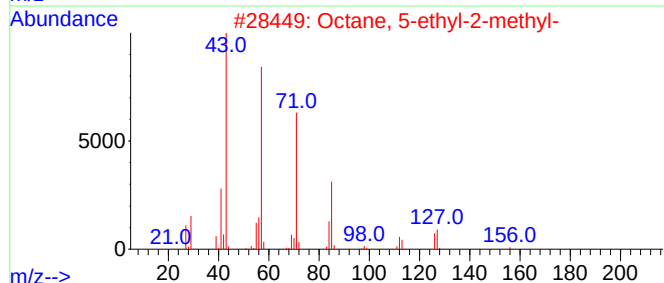
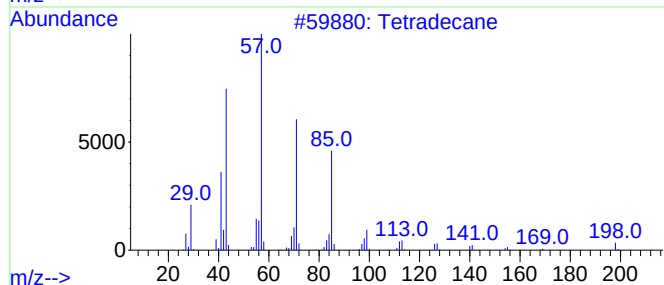
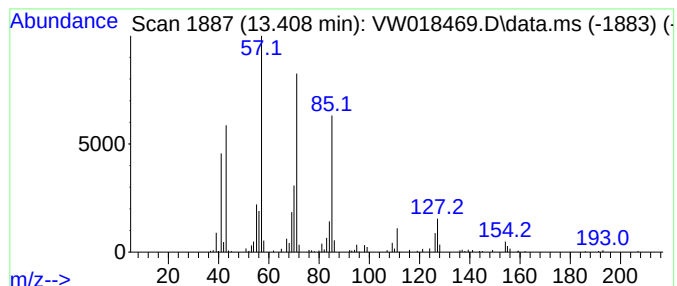
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Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.408	1.70 ug/L	101518	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	72
2			Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	59
3			Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	59
4			1-Undecene, 4-methyl-	168	C12H24	074630-39-0	59
5			Oxalic acid, 2-ethylhexyl isohex...	286	C16H30O4	1000309-38-8	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3M5

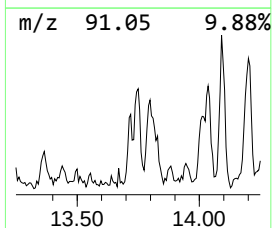
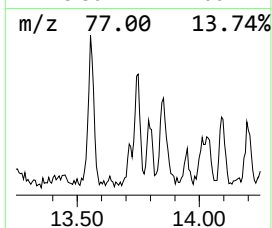
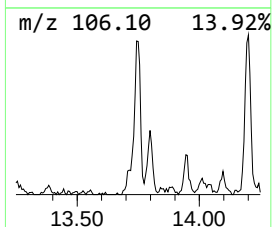
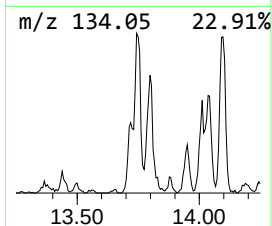
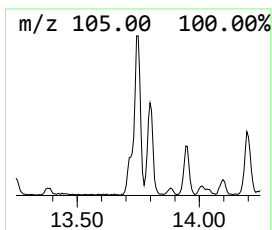
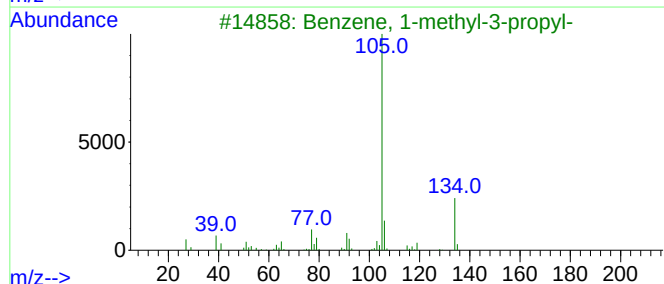
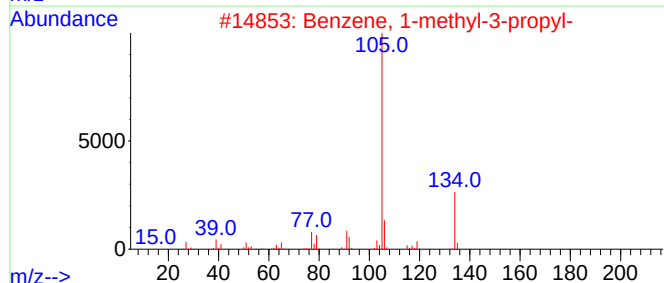
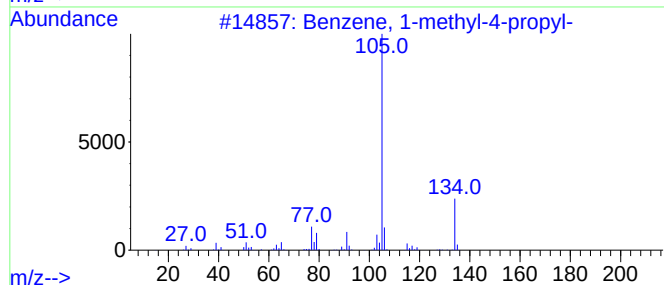
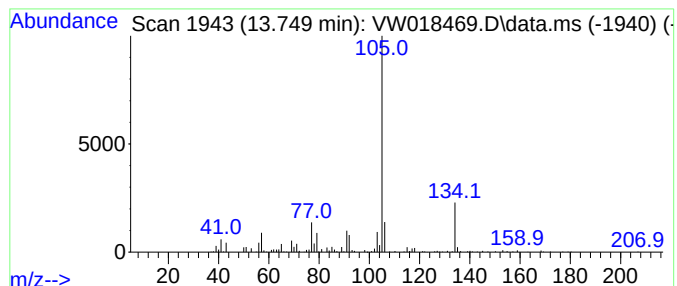
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Quant Title : VOC Analysis

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

Peak Number 19 Benzene, 1-methyl-4-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.749	2.41 ug/L	143970	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
2			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	90
3			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	90
4			Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	87
5			Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
BG3M5

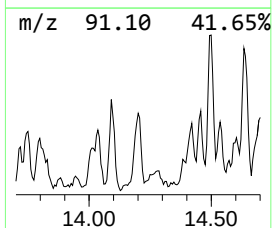
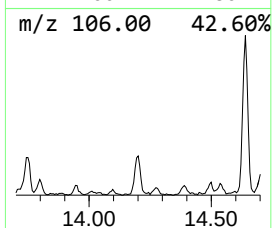
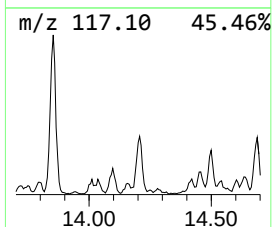
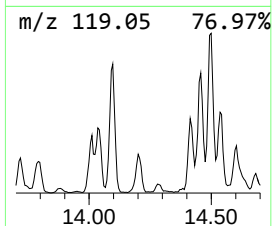
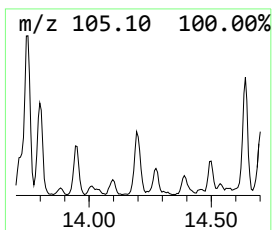
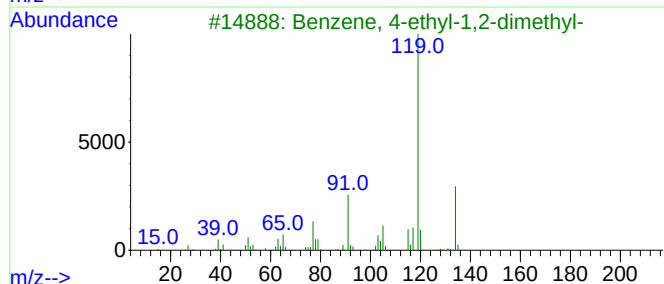
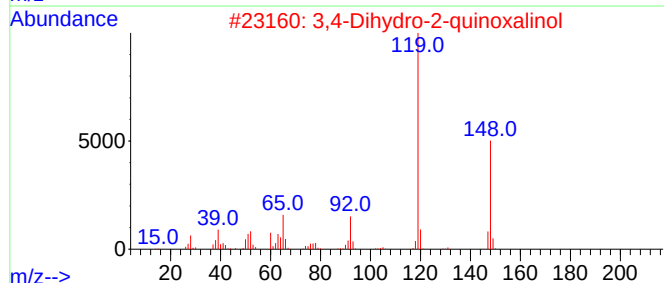
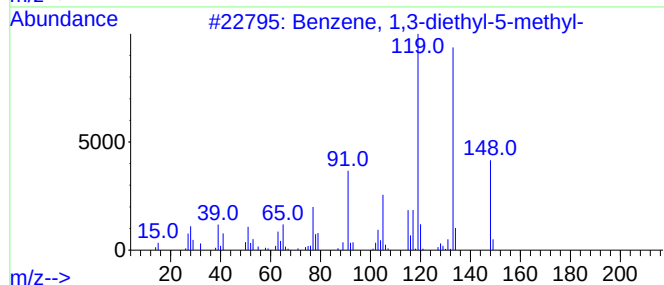
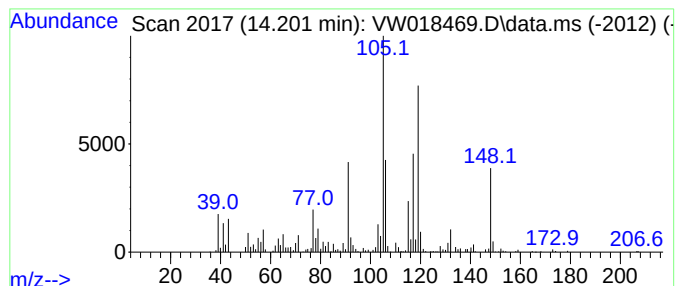
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Quant Title : VOC Analysis

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

Peak Number 20 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.201	2.87 ug/L	171495	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	64
2			3,4-Dihydro-2-quinoxalinol	148	C8H8N2O	1000332-36-8	38
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	38
4			Benzene, 1-methyl-4-butyl	148	C11H16	001595-05-7	38
5			2,5-Dimethylbenzyl chloride	154	C9H11Cl	000824-45-3	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3M5

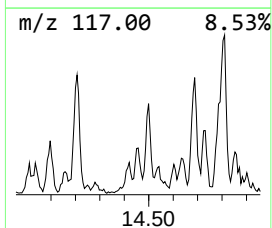
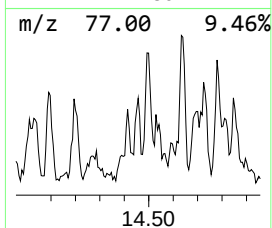
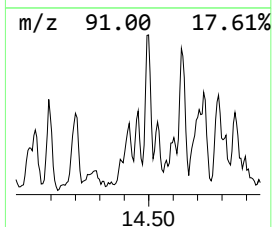
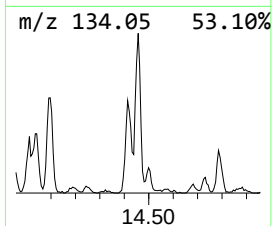
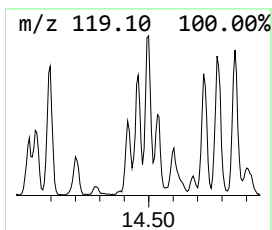
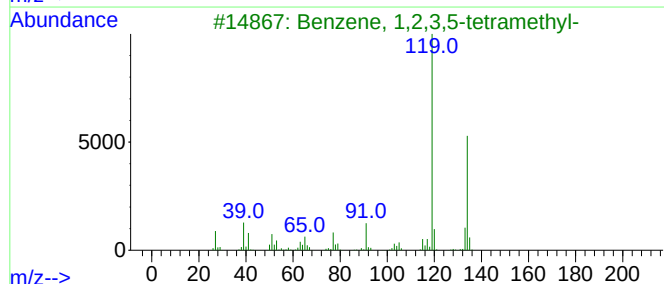
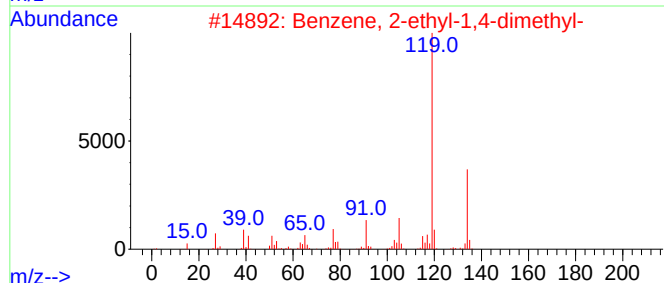
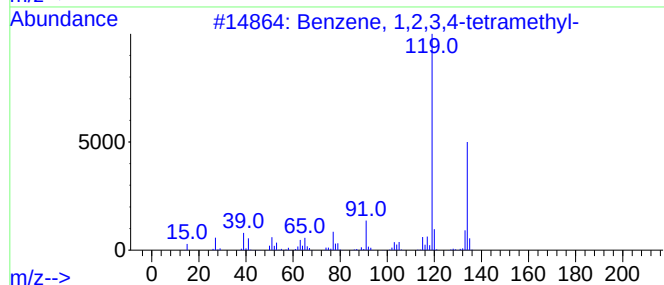
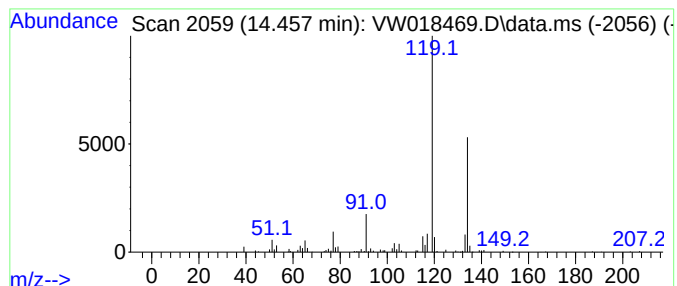
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Quant Title : VOC Analysis

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

Peak Number 21 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.457	1.38 ug/L	82344	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	86
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	86
4			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	86
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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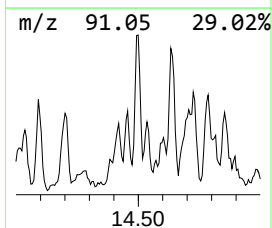
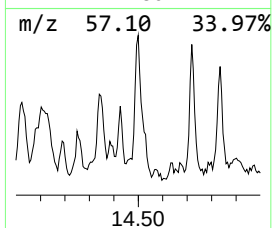
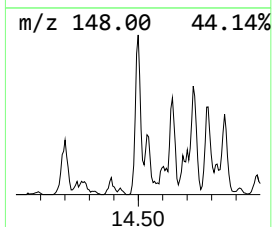
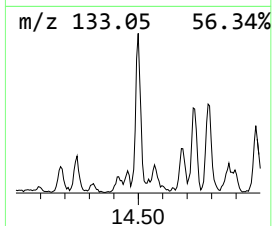
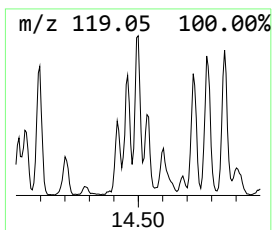
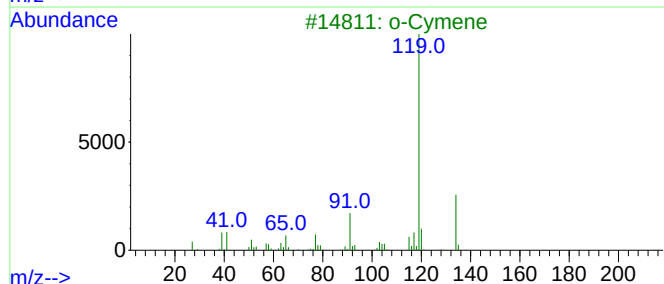
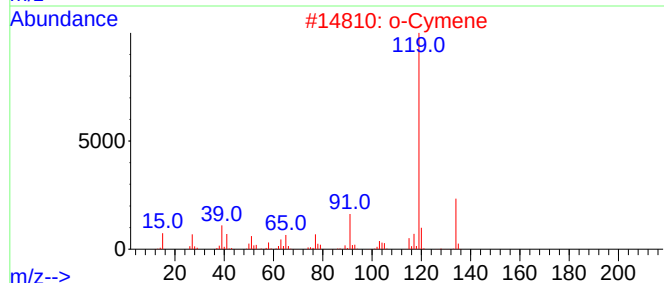
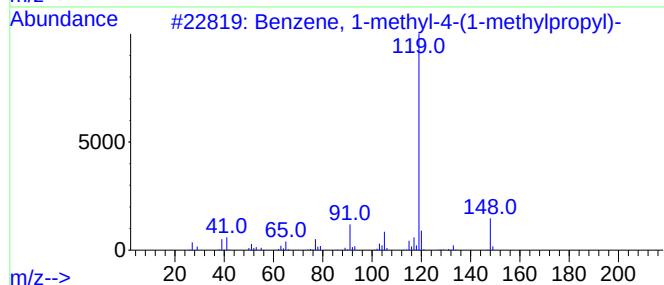
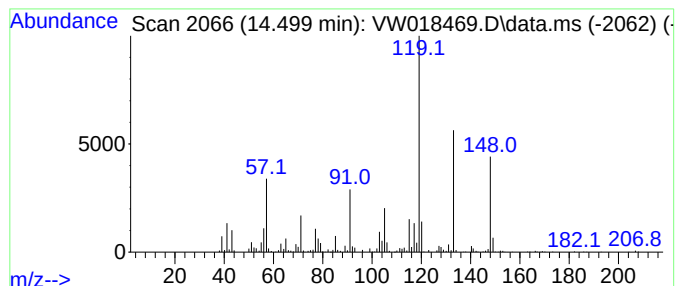
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Quant Title : VOC Analysis

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

Peak Number 22 Benzene, 1-methyl-4-(1-meth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.499	5.01 ug/L	299116	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	58
2		o-Cymene	134	C10H14	000527-84-4	50
3		o-Cymene	134	C10H14	000527-84-4	50
4		p-Cymene	134	C10H14	000099-87-6	50
5		o-Cymene	134	C10H14	000527-84-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3M5

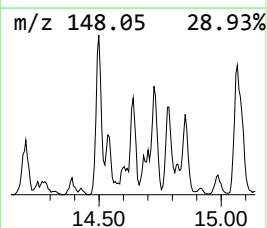
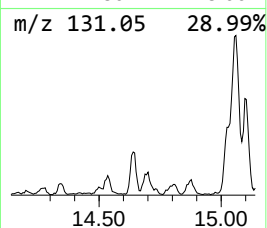
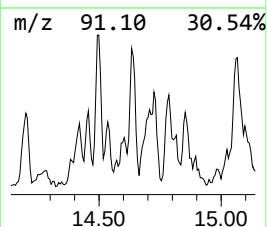
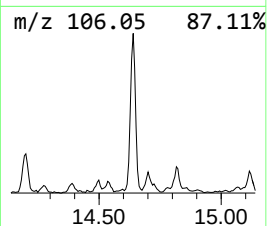
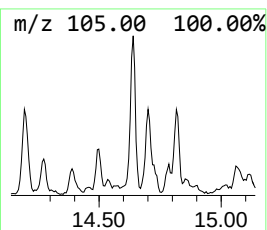
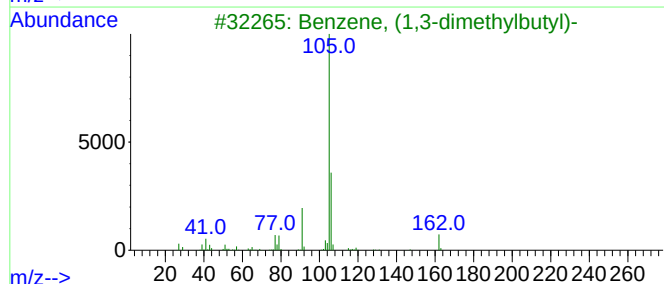
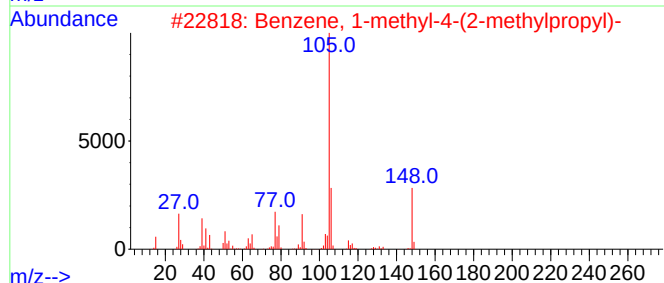
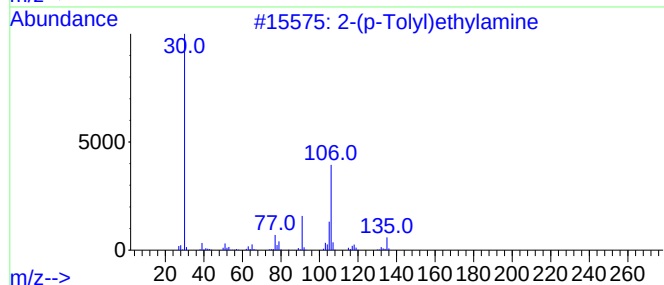
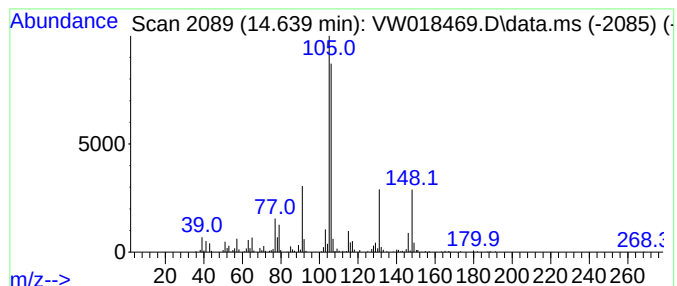
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Quant Title : VOC Analysis

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

Peak Number 23 2-(p-Tolyl)ethylamine Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.640	2.93 ug/L	175011	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-(p-Tolyl)ethylamine	135	C9H13N	003261-62-9	50
2		Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	38
3		Benzene, (1,3-dimethylbutyl)-	162	C12H18	019219-84-2	38
4		Benzenamine, N-ethyl-	121	C8H11N	000103-69-5	35
5		2-Methylindan-2-ol	148	C10H12O	033223-84-6	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3M5

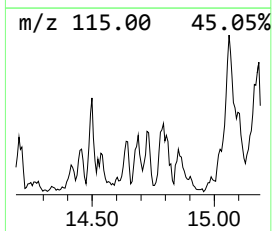
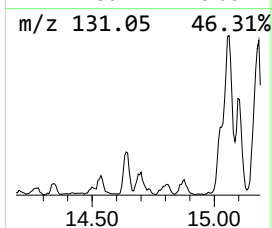
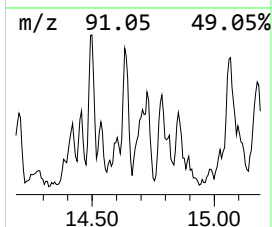
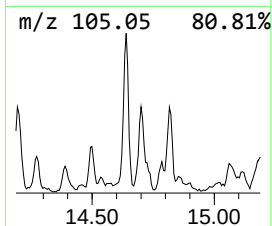
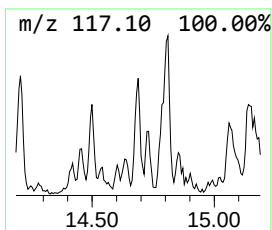
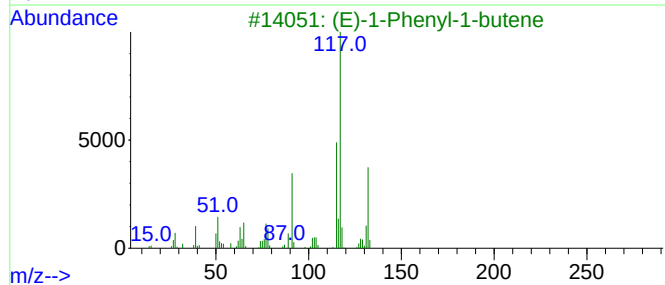
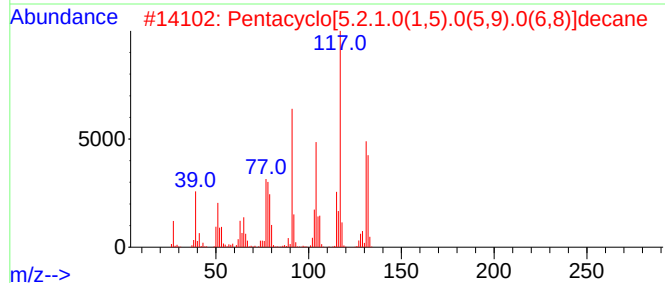
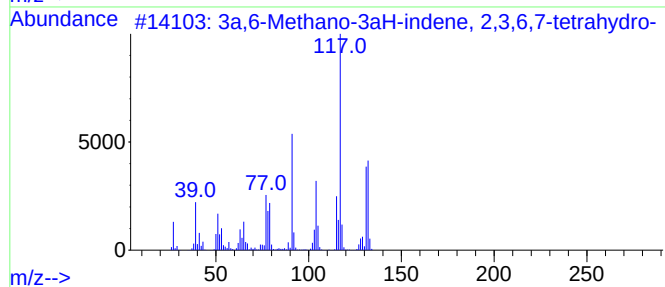
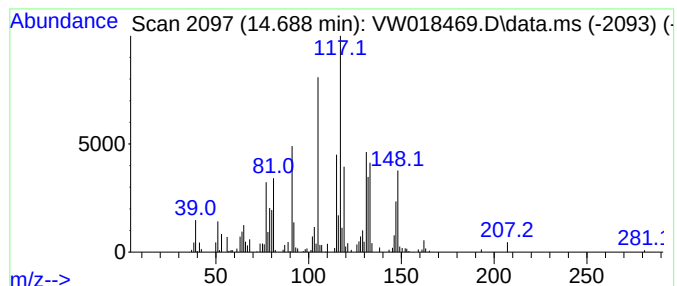
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Quant Title : VOC Analysis

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

Peak Number 24 3a,6-Methano-3aH-indene, 2,... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.688	1.35 ug/L	80862	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3a,6-Methano-3aH-indene, 2,3,6,7...	132	C10H12	098640-29-0	64
2			Pentacyclo[5.2.1.0(1,5).0(5,9).0...	132	C10H12	1000185-59-0	50
3			(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	41
4			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	41
5			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	41



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3M5

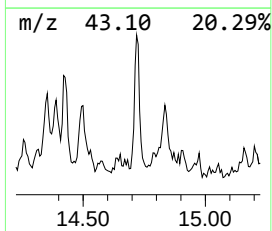
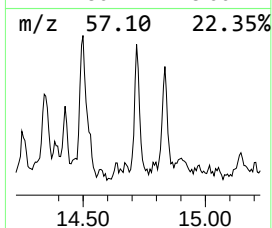
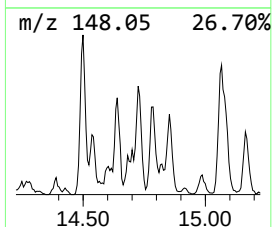
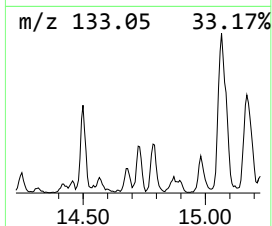
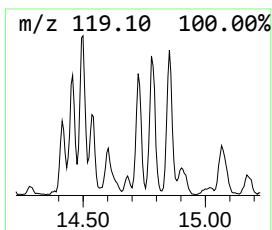
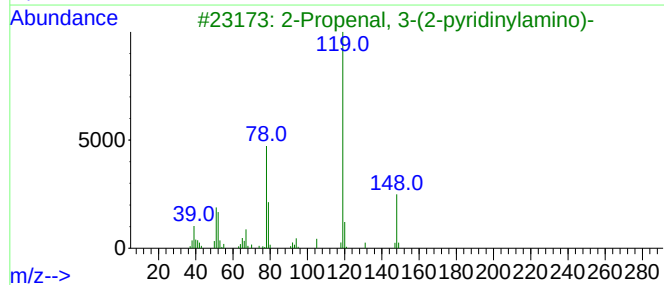
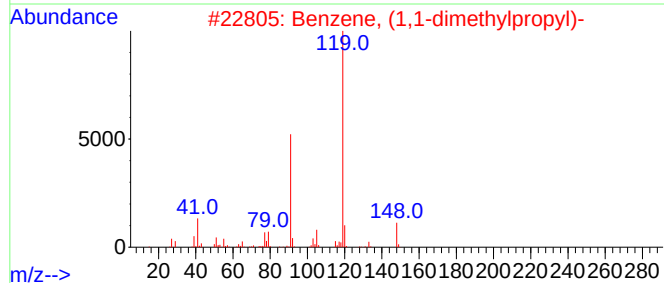
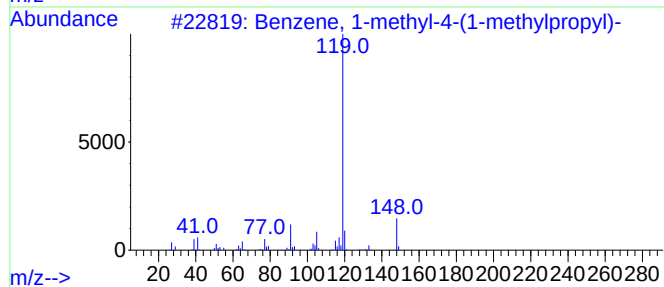
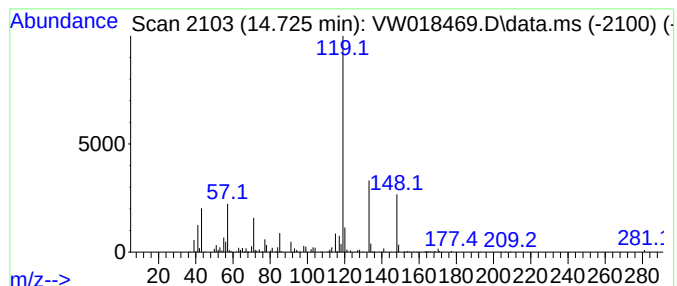
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Quant Title : VOC Analysis

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

Peak Number 25 Benzene, (1,1-dimethylpropyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.725	4.22 ug/L	252299	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	64
2			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	59
3			2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	59
4			2-Ethyl-2-methyl-1,3-dithiolane	148	C6H12S2	006008-81-7	45
5			Benzoic acid, 2,4-dimethyl-, (2,...	268	C18H20O2	055000-43-6	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3M5

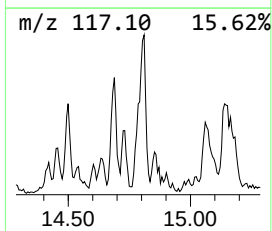
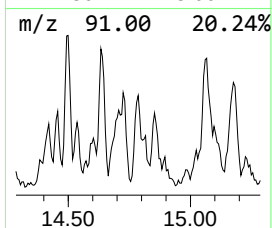
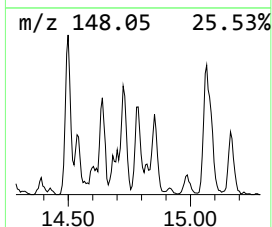
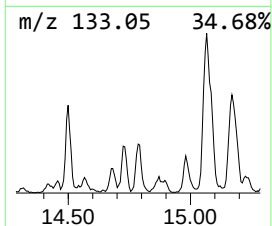
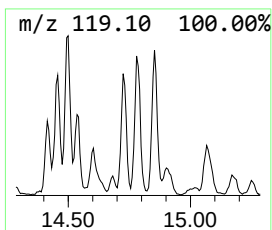
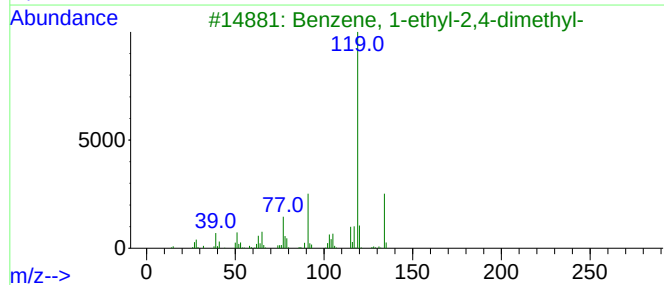
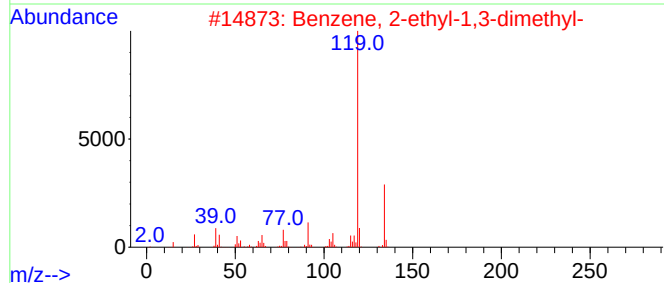
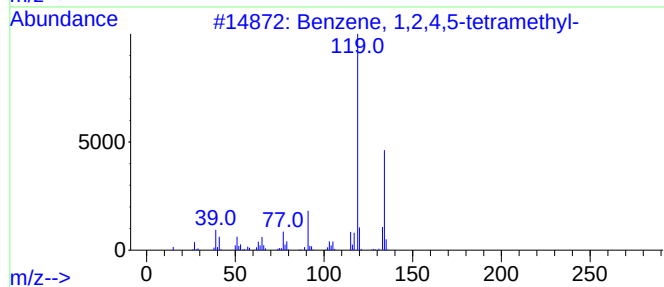
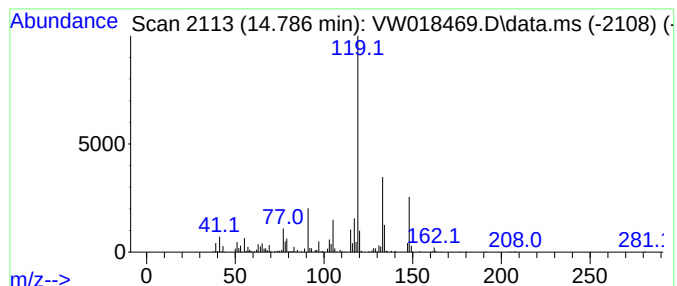
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Quant Title : VOC Analysis

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

Peak Number 26 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.786	5.78 ug/L	345217	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
2			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70
3			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	70
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	70
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3M5

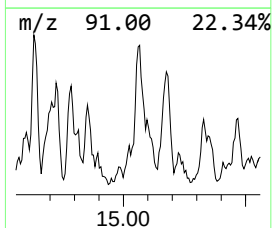
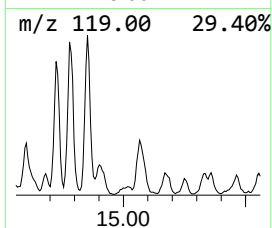
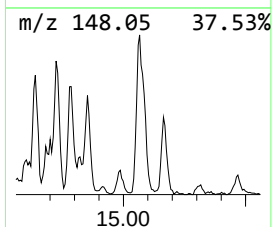
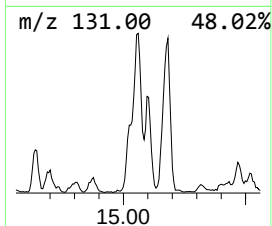
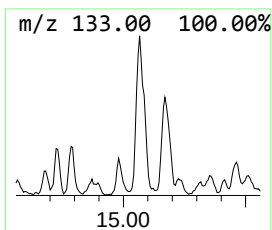
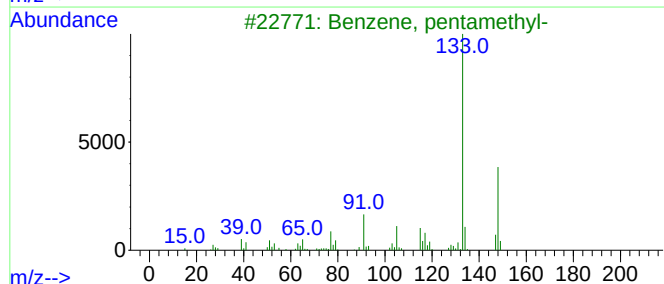
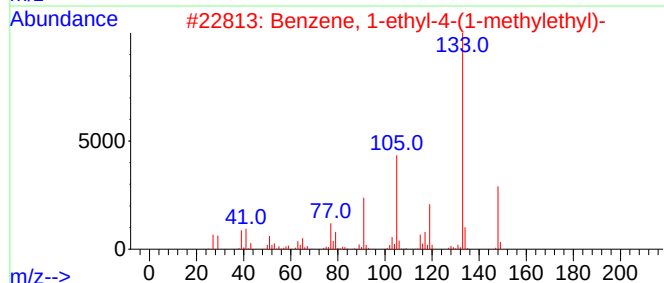
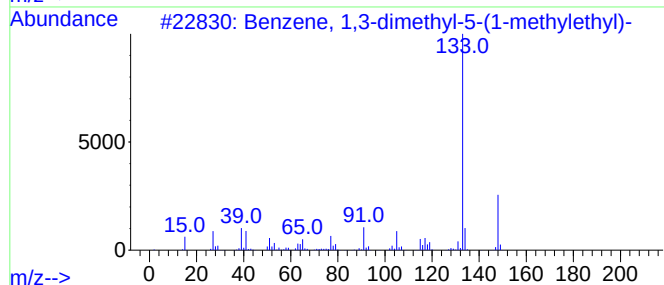
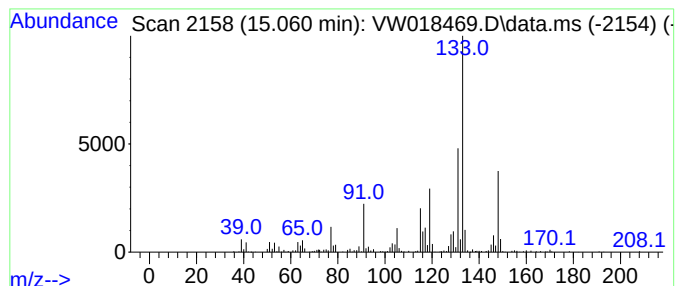
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Quant Title : VOC Analysis

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

Peak Number 27 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	7.58 ug/L	452835	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	60
2			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	58
3			Benzene, pentamethyl-	148	C11H16	000700-12-9	58
4			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	58
5			Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3M5

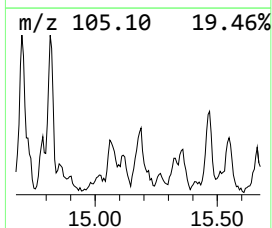
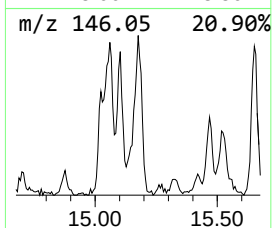
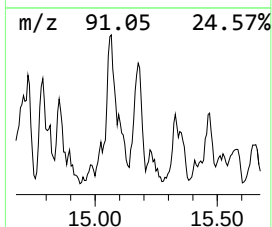
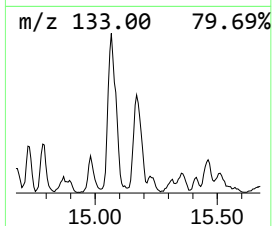
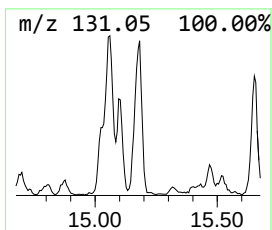
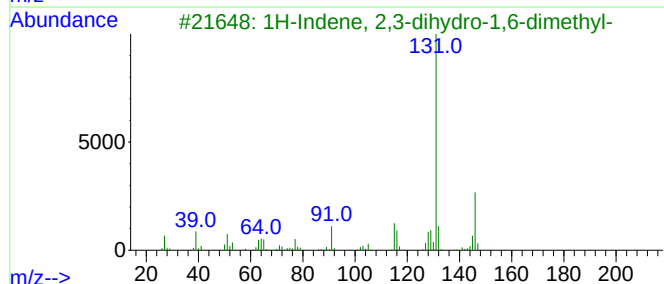
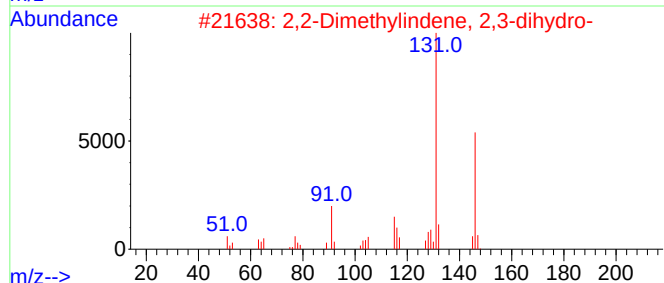
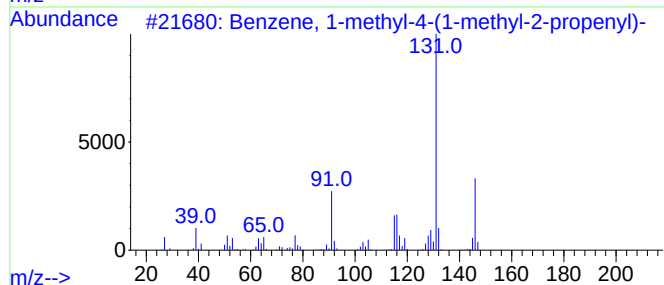
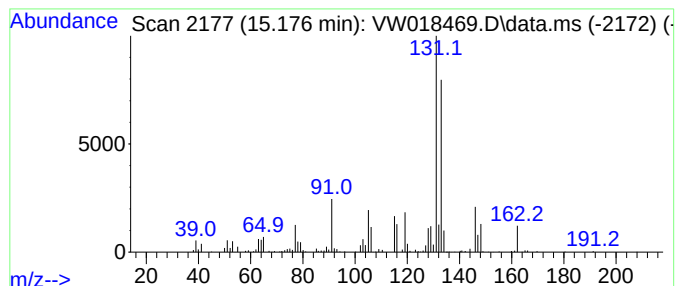
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Quant Title : VOC Analysis

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

Peak Number 28 Benzene, 1-methyl-4-(1-meth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.176	5.47 ug/L	327113	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	50
2			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	50
3			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	50
4			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	50
5			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
BG3M5

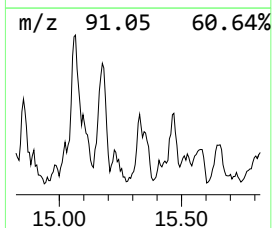
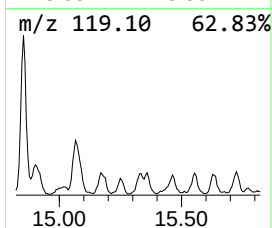
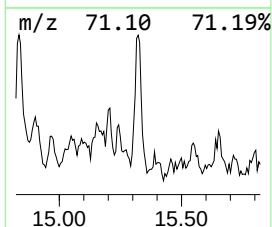
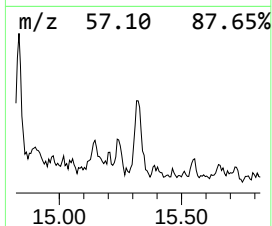
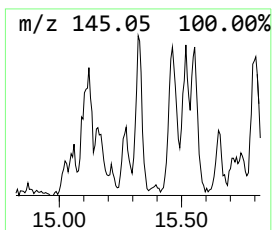
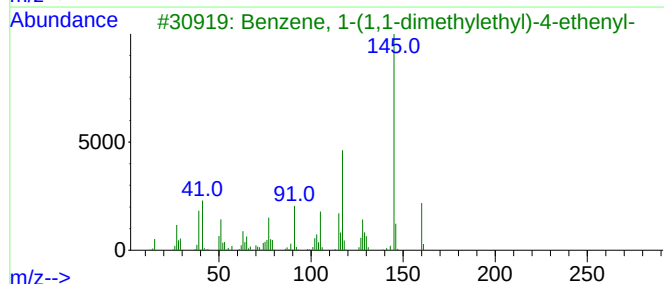
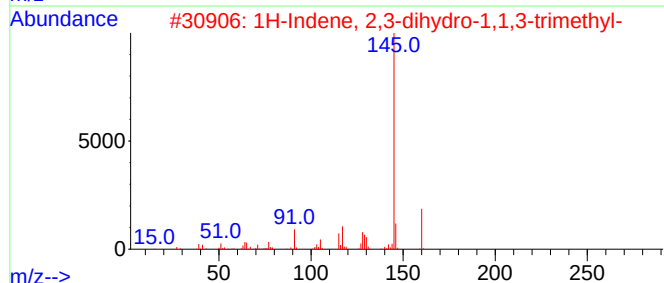
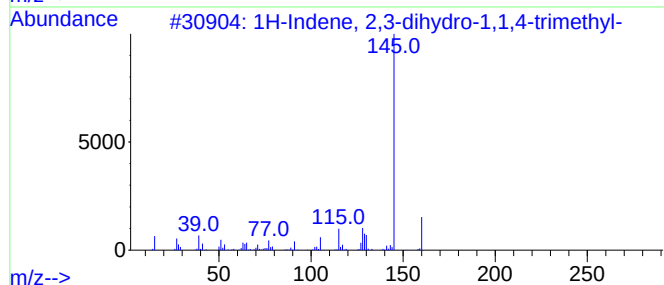
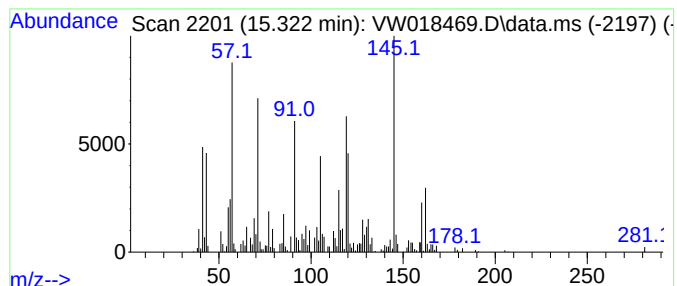
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Quant Title : VOC Analysis

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

Peak Number 29 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	2.38 ug/L	142200	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,1,4-tri...	160	C12H16	016204-72-1	46
2			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	38
3			Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	38
4			1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	30
5			Benzene, (2,2-dimethyl-1-methyle...	160	C12H16	005676-29-9	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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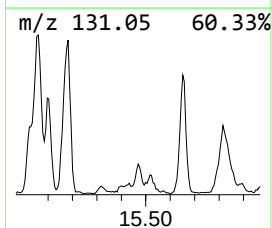
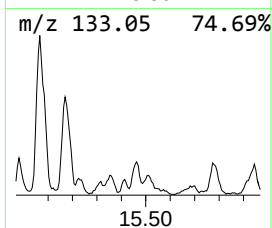
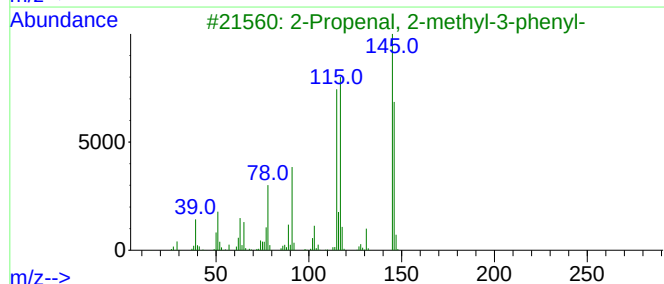
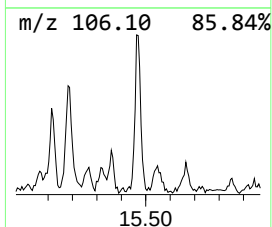
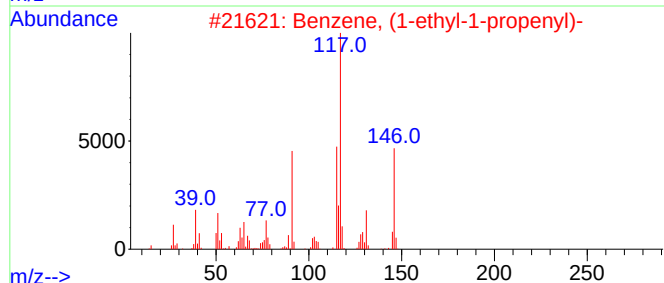
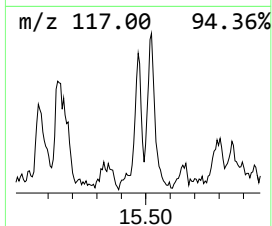
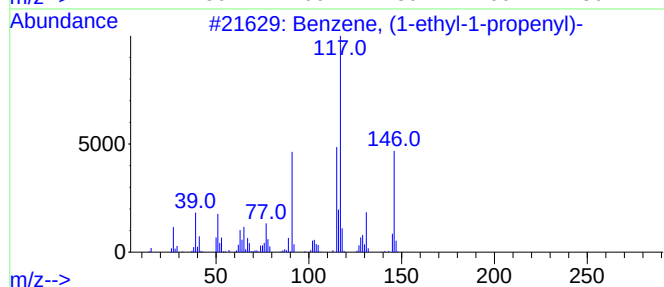
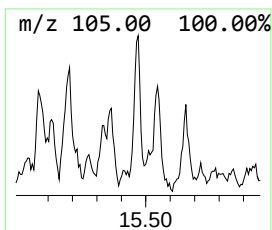
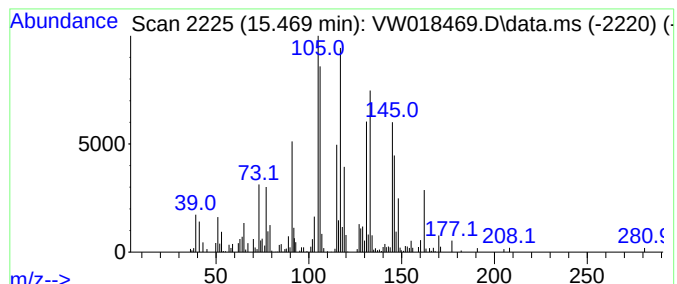
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Quant Title : VOC Analysis

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

Peak Number 30 unknown-02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.469	2.79 ug/L	166496	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	38
2		Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	38
3		2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	30
4		2-Ethyl-2,3-dihydro-1H-indene	146	C11H14	056147-63-8	25
5		4-Hydrazinobenzonitrile	133	C7H7N3	017672-27-4	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3M5

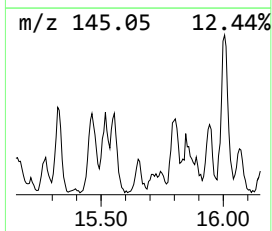
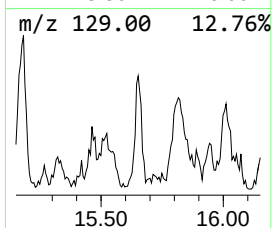
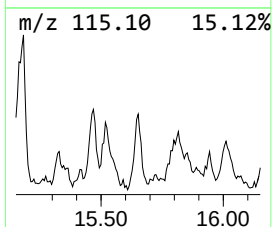
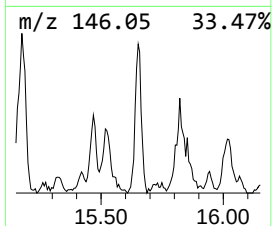
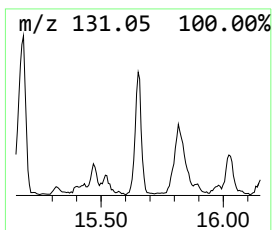
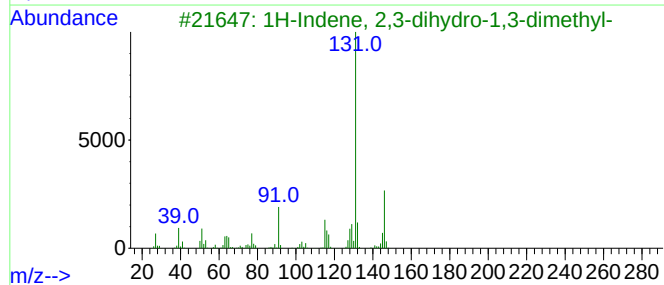
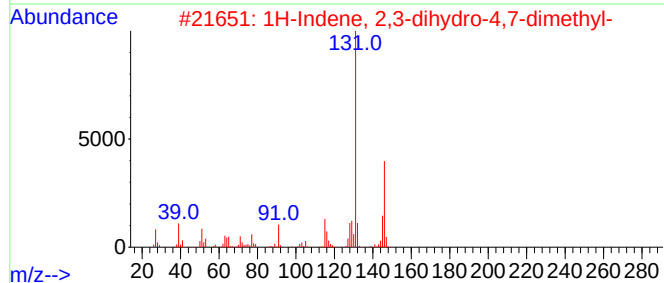
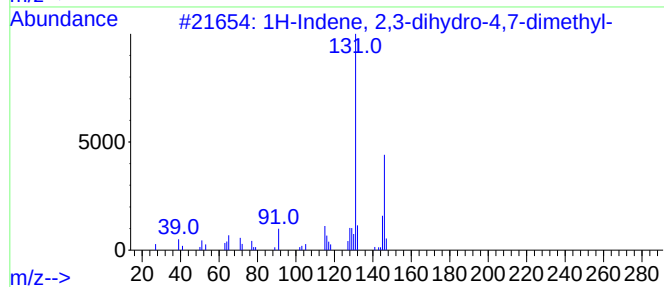
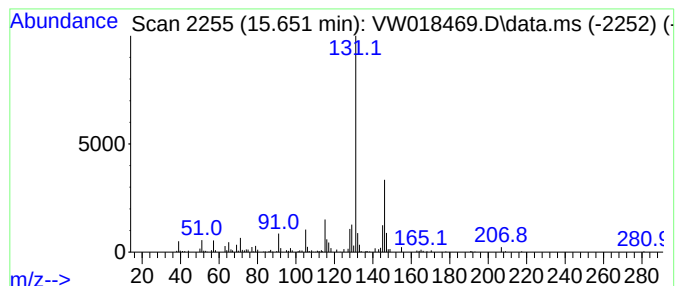
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Quant Title : VOC Analysis

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

Peak Number 31 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.652	2.09 ug/L	124647	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
3			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
4			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
5			1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
Data File : VW018469.D
Acq On : 26 Mar 2021 14:29
Operator : SY/VA
Sample : M1816-07
Misc : 5.91G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3M5

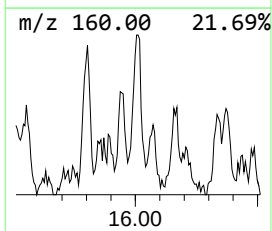
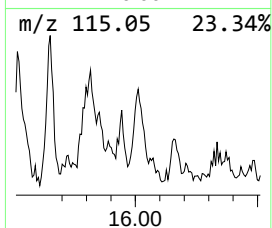
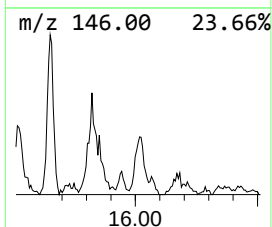
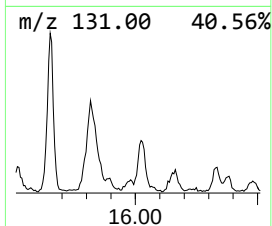
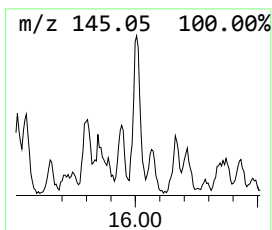
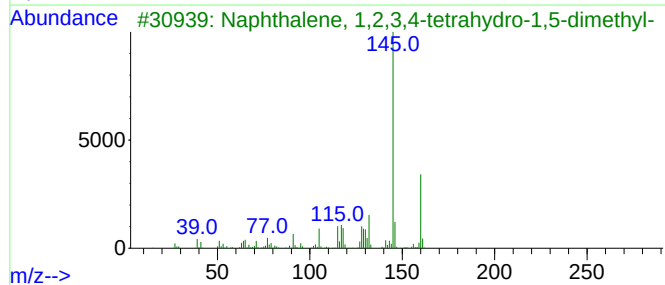
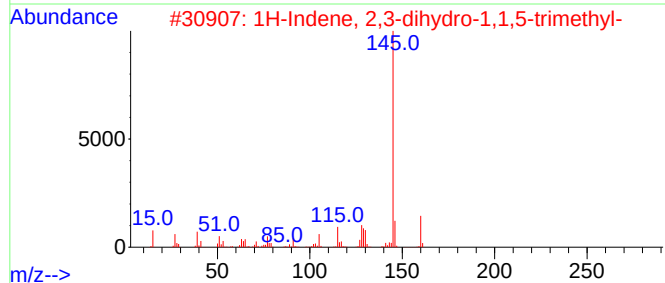
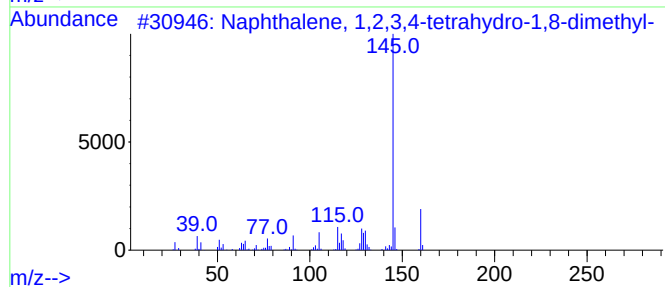
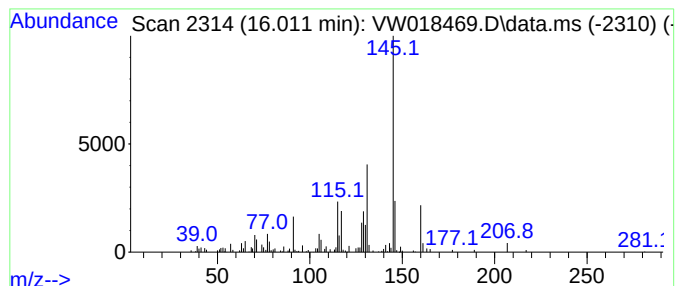
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis

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

Peak Number 32 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.011	1.41 ug/L	84395	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	76
2			1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	64
3			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	58
4			1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	53
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032621\
 Data File : VW018469.D
 Acq On : 26 Mar 2021 14:29
 Operator : SY/VA
 Sample : M1816-07
 Misc : 5.91G/10ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3M5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis

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

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	8.482	1.4	ug/L	75805	1	8.842	1320130	25.0
(DEL) Alkane: S...	9.756	2.1	ug/L	110672	1	8.842	1320130	25.0
(DEL) Alkane: S...	9.890	2.9	ug/L	151929	1	8.842	1320130	25.0
(DEL) Alkane: S...	10.098	2.6	ug/L	139802	1	8.842	1320130	25.0
(DEL) Alkane: S...	10.250	1.8	ug/L	118488	2	11.628	1670040	25.0
(DEL) Alkane: S...	11.037	2.0	ug/L	135930	2	11.628	1670040	25.0
(DEL) Alkane: S...	11.408	5.3	ug/L	351176	2	11.628	1670040	25.0
(DEL) Alkane: S...	11.512	3.8	ug/L	255016	2	11.628	1670040	25.0
(DEL) Alkane: S...	11.878	2.0	ug/L	135835	2	11.628	1670040	25.0
(DEL) Alkane: S...	12.134	1.6	ug/L	107030	2	11.628	1670040	25.0
(DEL) Alkane: S...	12.250	1.6	ug/L	109052	2	11.628	1670040	25.0
(DEL) Alkane: S...	12.506	2.5	ug/L	163933	2	11.628	1670040	25.0
(DEL) Alkane: S...	12.591	7.3	ug/L	489957	2	11.628	1670040	25.0
(DEL) Alkane: S...	12.756	2.2	ug/L	131913	3	13.560	1493810	25.0
(DEL) Alkane: S...	12.926	3.5	ug/L	211538	3	13.560	1493810	25.0
(DEL) Alkane: S...	13.292	1.4	ug/L	81296	3	13.560	1493810	25.0
(DEL) Alkane: S...	13.408	1.7	ug/L	101518	3	13.560	1493810	25.0
Benzene, 1-meth...	13.749	2.4	ug/L	143970	3	13.560	1493810	25.0
Benzene, 1,3-di...	14.201	2.9	ug/L	171495	3	13.560	1493810	25.0
Benzene, 1,2,3,...	14.457	1.4	ug/L	82344	3	13.560	1493810	25.0
Benzene, 1-meth...	14.499	5.0	ug/L	299116	3	13.560	1493810	25.0
2-(p-Tolyl)ethy...	14.640	2.9	ug/L	175011	3	13.560	1493810	25.0
3a,6-Methano-3a...	14.688	1.4	ug/L	80862	3	13.560	1493810	25.0
Benzene, (1,1-d...	14.725	4.2	ug/L	252299	3	13.560	1493810	25.0
Benzene, 1,2,4,...	14.786	5.8	ug/L	345217	3	13.560	1493810	25.0
Benzene, 1,3-di...	15.060	7.6	ug/L	452835	3	13.560	1493810	25.0
Benzene, 1-meth...	15.176	5.5	ug/L	327113	3	13.560	1493810	25.0
unknown-01	15.322	2.4	ug/L	142200	3	13.560	1493810	25.0
unknown-02	15.469	2.8	ug/L	166496	3	13.560	1493810	25.0
1H-Indene, 2,3-...	15.652	2.1	ug/L	124647	3	13.560	1493810	25.0
Naphthalene, 1,...	16.011	1.4	ug/L	84395	3	13.560	1493810	25.0