

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
 Data File : VW018120.D
 Acq On : 12 Feb 2021 19:11
 Operator : SY/VA
 Sample : M1370-12
 Misc : 4.71G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBGY8

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: VW018120.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.959	5	9	22	rVB3	20912	48311	0.99%	0.356%
2	2.355	65	74	88	rVB	65538	131118	2.69%	0.967%
3	2.763	139	141	143	rBV2	455	478	0.01%	0.004%
4	2.812	145	149	150	rVV3	473	674	0.01%	0.005%
5	2.897	154	163	178	rVB	47195	124211	2.55%	0.916%
6	3.025	183	184	188	rVV4	577	555	0.01%	0.004%
7	3.300	225	229	237	rVB3	517	670	0.01%	0.005%
8	3.397	237	245	254	rVB7	1727	5089	0.10%	0.038%
9	3.745	299	302	304	rBV	217	291	0.01%	0.002%
10	4.025	335	348	356	rBV	104651	334718	6.88%	2.468%
11	4.117	356	363	377	rVB	159279	428084	8.79%	3.157%
12	4.385	396	407	425	rVB	26594	83911	1.72%	0.619%
13	4.921	482	495	511	rBV2	9340	35053	0.72%	0.259%
14	5.793	629	638	648	rBV5	1754	5467	0.11%	0.040%
15	5.933	654	661	671	rVV5	3074	9348	0.19%	0.069%
16	6.104	685	689	697	rBV4	484	1314	0.03%	0.010%
17	6.610	769	772	775	rVB2	294	327	0.01%	0.002%
18	7.000	832	836	839	rBV2	491	743	0.02%	0.005%
19	7.074	839	848	858	rBV2	25501	72470	1.49%	0.534%
20	7.512	918	920	922	rBV2	273	321	0.01%	0.002%
21	7.647	932	942	957	rVV	180812	440860	9.06%	3.251%
22	7.854	974	976	980	rVB3	356	456	0.01%	0.003%
23	7.951	986	992	997	rBV4	638	1293	0.03%	0.010%
24	8.275	1034	1045	1064	rBV2	341388	1010541	20.76%	7.452%
25	8.482	1071	1079	1084	rBV2	2662	6491	0.13%	0.048%
26	8.549	1088	1090	1096	rVB3	882	1377	0.03%	0.010%
27	8.628	1101	1103	1108	rVB2	264	378	0.01%	0.003%
28	8.701	1108	1115	1126	rBV2	4016	9208	0.19%	0.068%
29	8.841	1129	1138	1149	rBV	352816	701147	14.40%	5.171%
30	9.006	1162	1165	1168	rVB3	309	378	0.01%	0.003%
31	9.073	1172	1176	1182	rVB4	944	1742	0.04%	0.013%
32	9.128	1182	1185	1189	rBV2	219	335	0.01%	0.002%
33	9.274	1199	1209	1224	rVV	221573	452581	9.30%	3.338%
34	9.378	1224	1226	1231	rVV4	1368	2464	0.05%	0.018%
35	9.463	1235	1240	1247	rVB5	1583	3023	0.06%	0.022%
36	9.658	1267	1272	1277	rBV2	570	916	0.02%	0.007%

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

37	9.756	1281	1288	1295	rBV2	4489	9215	0.19%	0.068%
38	9.854	1298	1304	1305	rBV3	2091	3238	0.07%	0.024%
39	9.896	1306	1311	1316	rVV2	5569	11112	0.23%	0.082%
40	9.951	1316	1320	1326	rVV4	1170	2693	0.06%	0.020%
41	10.036	1326	1334	1345	rVV	103408	192103	3.95%	1.417%
42	10.128	1347	1349	1356	rVB5	1823	3003	0.06%	0.022%
43	10.207	1356	1362	1365	rBV5	1973	3838	0.08%	0.028%
44	10.244	1365	1368	1374	rVV	5730	10008	0.21%	0.074%
45	10.323	1374	1381	1386	rVV	424892	746956	15.34%	5.509%
46	10.390	1386	1392	1403	rVB	259779	469898	9.65%	3.465%
47	10.506	1403	1411	1416	rVB7	3020	6569	0.13%	0.048%
48	10.579	1416	1423	1433	rBV	60020	105387	2.16%	0.777%
49	10.701	1439	1443	1449	rVB3	2429	4362	0.09%	0.032%
50	10.768	1449	1454	1460	rVB5	1571	3157	0.06%	0.023%
51	10.829	1460	1464	1465	rBV3	320	451	0.01%	0.003%
52	10.847	1465	1467	1472	rVB4	584	692	0.01%	0.005%
53	10.926	1472	1480	1490	rBV	93681	163579	3.36%	1.206%
54	11.018	1490	1495	1499	rVV4	2146	4259	0.09%	0.031%
55	11.073	1500	1504	1508	rVB5	1869	3382	0.07%	0.025%
56	11.195	1517	1524	1527	rBV5	1916	4623	0.09%	0.034%
57	11.378	1528	1554	1555	rBV3	51249	224905	4.62%	1.659%
58	11.628	1588	1595	1604	rVB	350847	599890	12.32%	4.424%
59	11.731	1607	1612	1618	rBV	4419	7825	0.16%	0.058%
60	11.823	1621	1627	1645	rVB4	12101	45272	0.93%	0.334%
61	12.164	1649	1683	1706	rBV3	697003	4868542	100.00%	35.904%
62	12.365	1712	1716	1722	rVB	19801	35118	0.72%	0.259%
63	12.463	1727	1732	1737	rBV2	28804	48212	0.99%	0.356%
64	12.524	1738	1742	1747	rVB3	4306	6694	0.14%	0.049%
65	12.603	1751	1755	1762	rVB	12147	19480	0.40%	0.144%
66	12.694	1762	1770	1780	rBV2	137003	378466	7.77%	2.791%
67	12.865	1793	1798	1801	rBV	7767	12892	0.26%	0.095%
68	12.920	1801	1807	1821	rVV4	54174	156135	3.21%	1.151%
69	13.042	1821	1827	1833	rVB	42595	82627	1.70%	0.609%
70	13.200	1846	1853	1857	rBV	19503	34335	0.71%	0.253%
71	13.249	1857	1861	1873	rVB	25715	47816	0.98%	0.353%
72	13.396	1874	1885	1888	rBV4	9558	21207	0.44%	0.156%
73	13.444	1888	1893	1895	rVV	22754	38988	0.80%	0.288%
74	13.493	1898	1901	1906	rVV	44554	79531	1.63%	0.587%
75	13.554	1906	1911	1921	rVV2	185533	333333	6.85%	2.458%
76	13.652	1922	1927	1933	rVB2	32193	50831	1.04%	0.375%

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Title : VOC Analysis

77	13.853	1953	1960	1973	rVB	156612	268967	5.52%	1.984%
78	14.011	1984	1986	1987	rBV2	2026	1669	0.03%	0.012%
79	14.133	2001	2006	2010	rVB	38500	57070	1.17%	0.421%
80	14.182	2010	2014	2023	rVB5	18640	35467	0.73%	0.262%
81	14.322	2034	2037	2043	rBV7	3031	5587	0.11%	0.041%
82	14.432	2051	2055	2062	rVB4	6575	15352	0.32%	0.113%
83	14.511	2063	2068	2074	rVB6	7852	18976	0.39%	0.140%
84	14.621	2082	2086	2090	rBV2	5477	9909	0.20%	0.073%
85	14.804	2107	2116	2123	rBV2	5854	14885	0.31%	0.110%
86	14.883	2125	2129	2136	rVB7	8657	16433	0.34%	0.121%
87	14.956	2138	2141	2144	rBV4	1261	1475	0.03%	0.011%
88	15.017	2147	2151	2155	rBV6	1951	3467	0.07%	0.026%
89	15.066	2155	2159	2167	rBV8	5623	13089	0.27%	0.097%
90	15.188	2173	2179	2185	rVB4	11935	22260	0.46%	0.164%
91	15.383	2206	2211	2218	rVV8	3327	8291	0.17%	0.061%
92	15.487	2222	2228	2242	rVB7	10177	30769	0.63%	0.227%
93	15.798	2273	2279	2287	rBV8	4712	9771	0.20%	0.072%
94	15.974	2299	2308	2314	rBV6	5300	14856	0.31%	0.110%
95	16.230	2345	2350	2352	rBV6	3842	6300	0.13%	0.046%
96	16.273	2353	2357	2365	rVB7	8655	18372	0.38%	0.135%
97	16.432	2376	2383	2390	rVB5	23066	55230	1.13%	0.407%
98	16.523	2391	2398	2404	rBV2	24959	57219	1.18%	0.422%
99	16.688	2418	2425	2431	rVB2	44883	97796	2.01%	0.721%
100	16.761	2432	2437	2441	rBV7	9516	19654	0.40%	0.145%

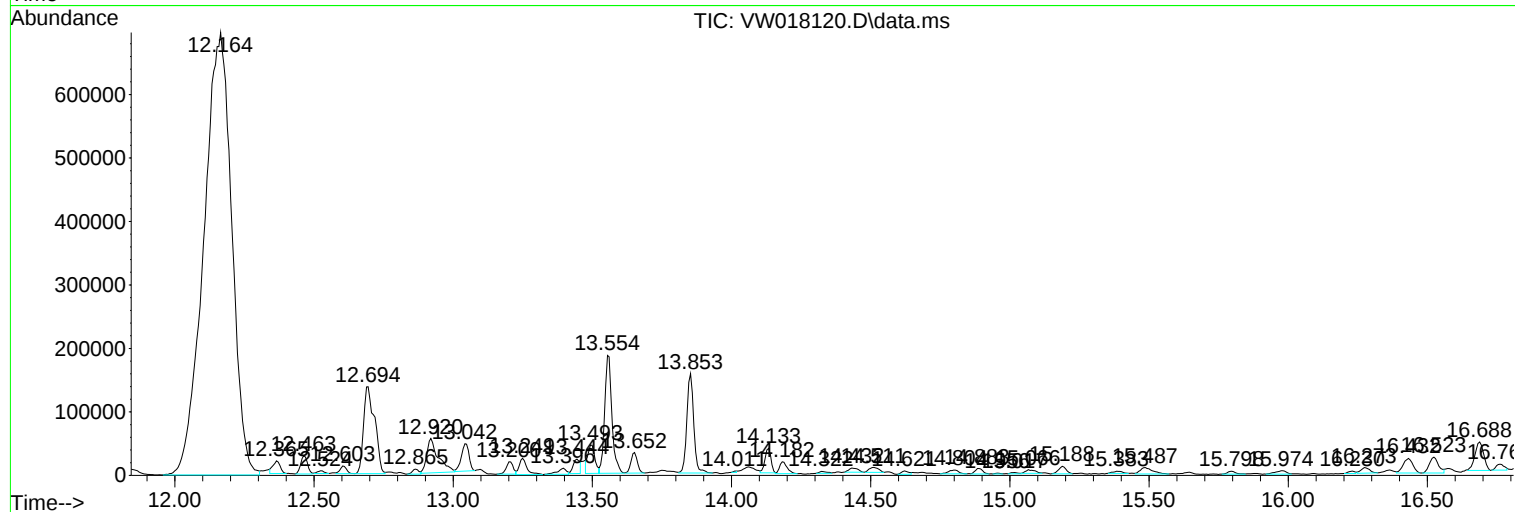
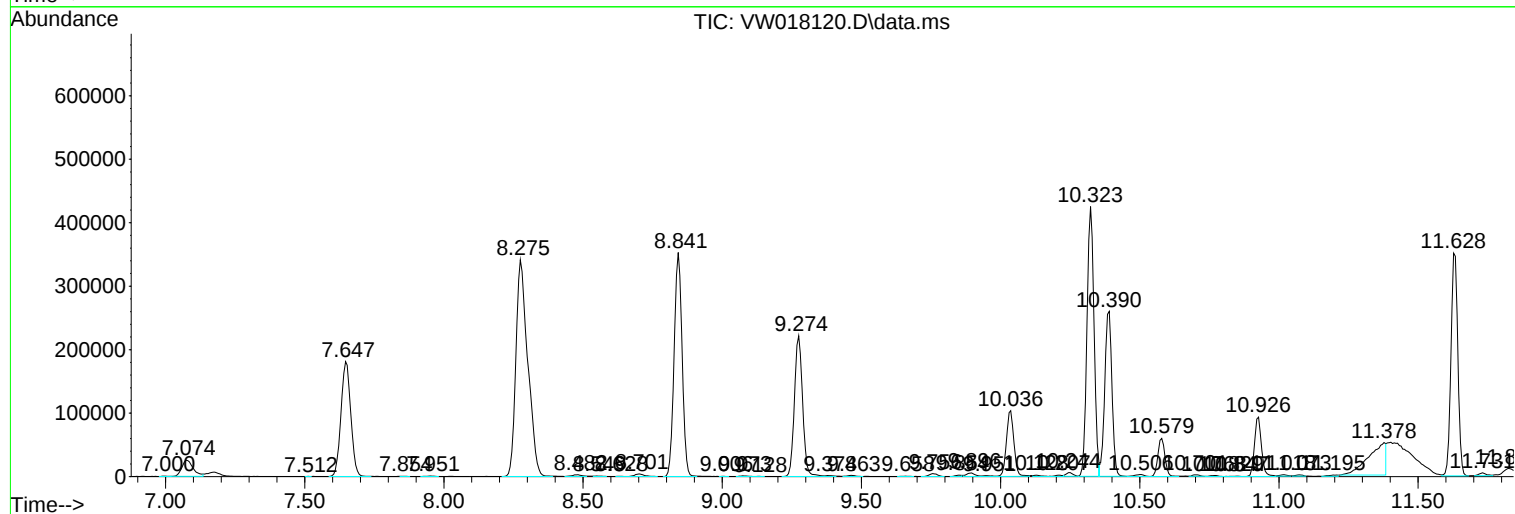
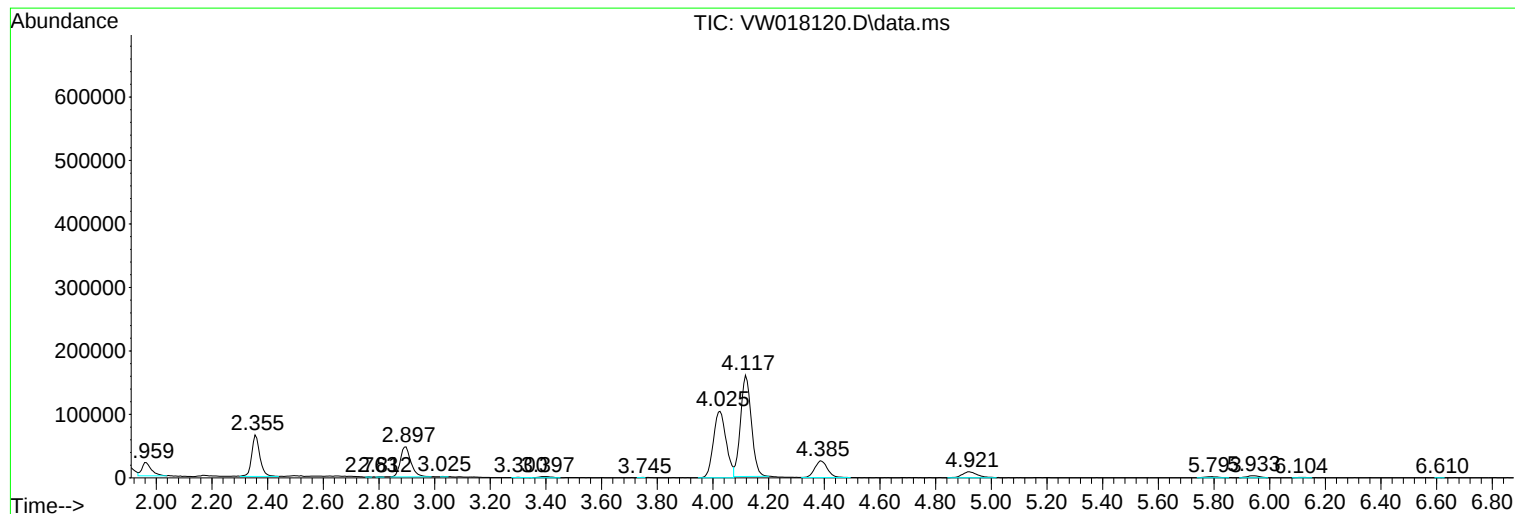
Sum of corrected areas: 13559831

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Instrument :
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ClientSampleId :
DBGY8

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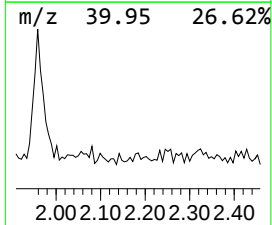
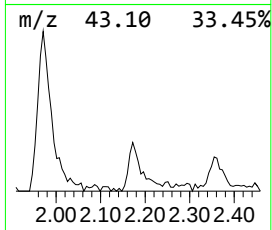
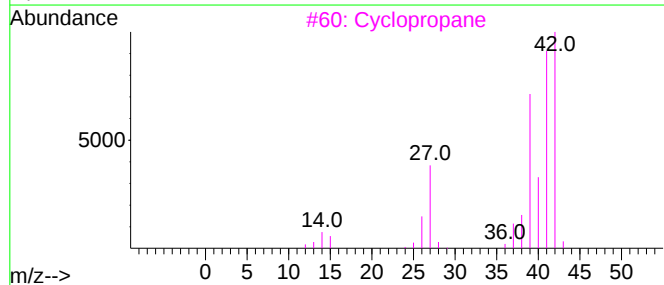
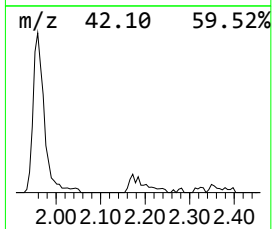
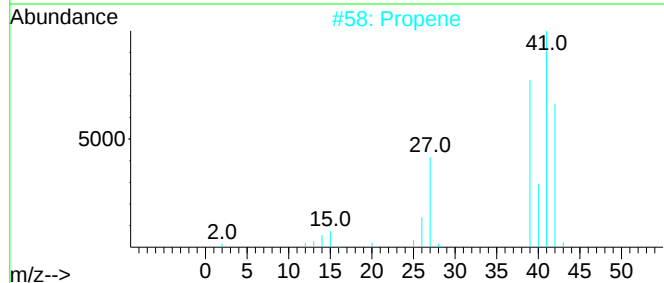
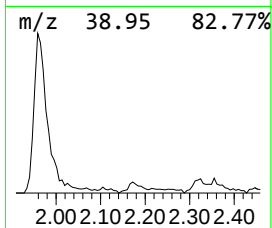
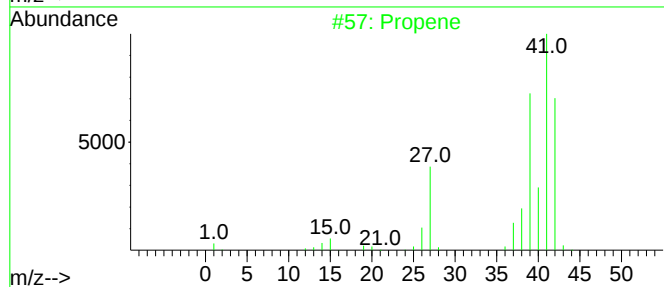
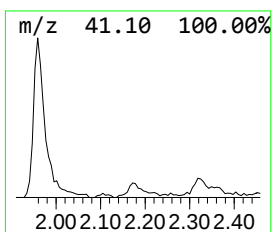
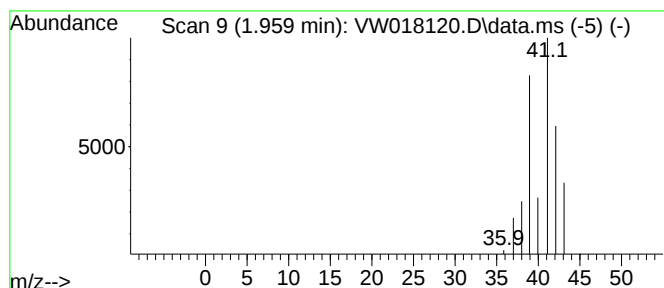
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.959	1.72 ug/L	48311	1,4-Difluorobenzene	8.841

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propene	42	C3H6	000115-07-1	83
2			Propene	42	C3H6	000115-07-1	45
3			Cyclopropane	42	C3H6	000075-19-4	43
4			Cyclopropene	40	C3H4	002781-85-3	5
5			Cyclopropane	42	C3H6	000075-19-4	4



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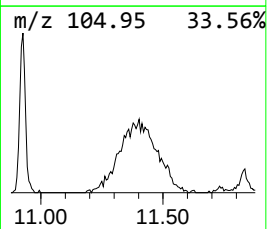
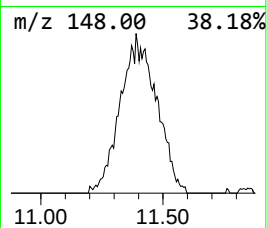
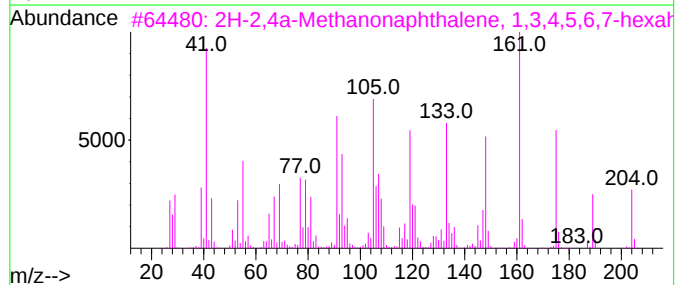
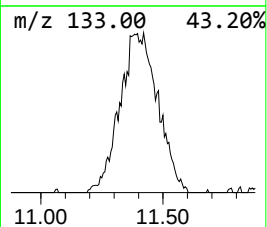
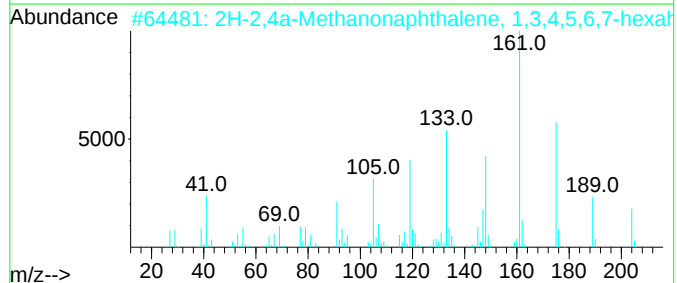
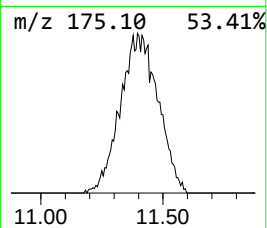
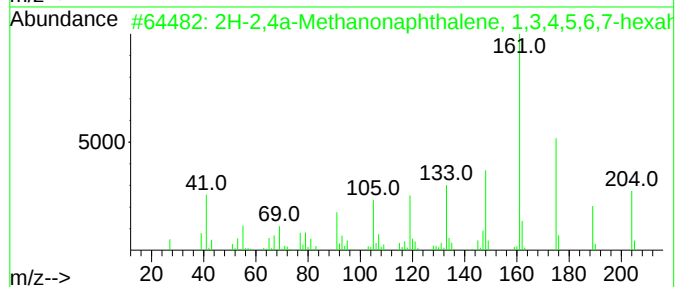
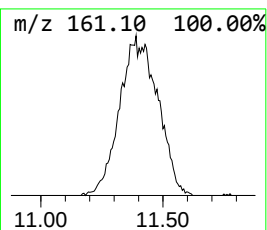
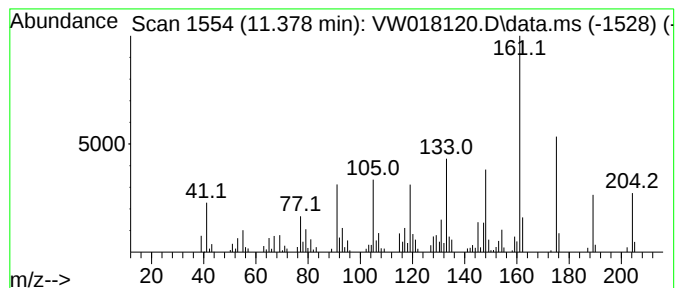
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Quant Title : VOC Analysis

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

Peak Number 3 2H-2,4a-Methanonaphthalene,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.378	9.37 ug/L	224905	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2H-2,4a-Methanonaphthalene, 1,3,...	204	C15H24	001135-66-6	98
2			2H-2,4a-Methanonaphthalene, 1,3,...	204	C15H24	001135-66-6	96
3			2H-2,4a-Methanonaphthalene, 1,3,...	204	C15H24	001135-66-6	90
4			Epizonarene	204	C15H24	041702-63-0	78
5			Cyclohexene, 6-ethenyl-6-methyl-...	204	C15H24	005951-67-7	70



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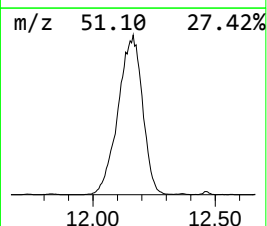
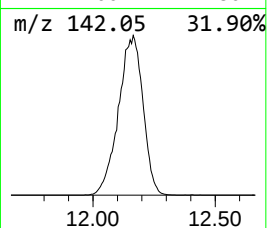
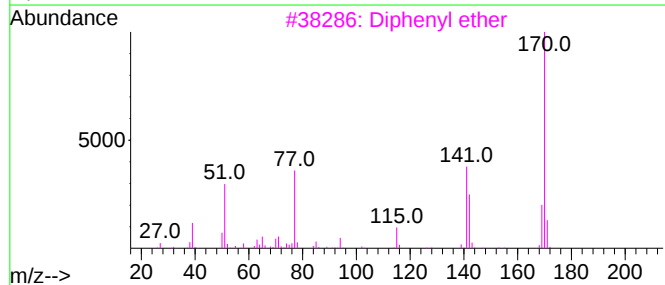
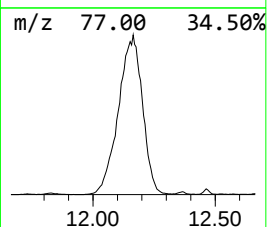
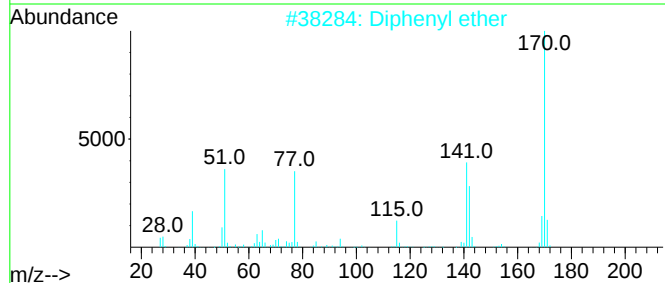
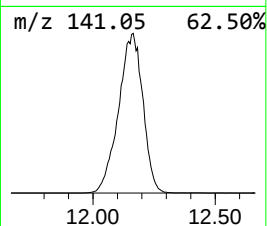
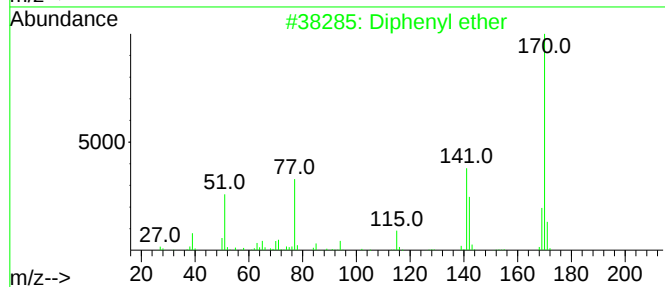
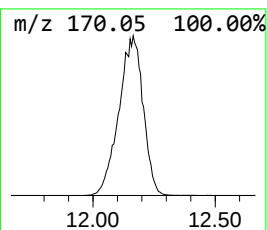
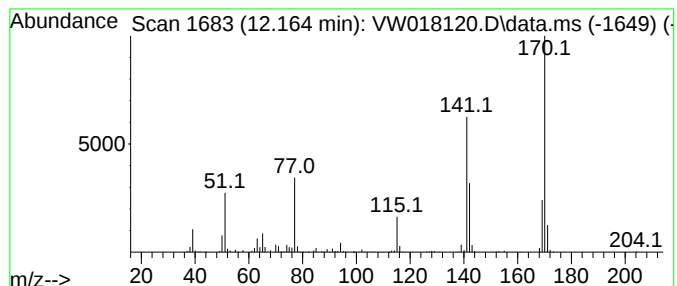
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Quant Title : VOC Analysis

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

Peak Number 4 Diphenyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.164	202.89 ug/L	4868540	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Diphenyl ether	170	C12H10O	000101-84-8	93
2			Diphenyl ether	170	C12H10O	000101-84-8	91
3			Diphenyl ether	170	C12H10O	000101-84-8	90
4			Diphenyl ether	170	C12H10O	000101-84-8	50
5			3-Hydroxybiphenyl	170	C12H10O	000580-51-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
Data File : VW018120.D
Acq On : 12 Feb 2021 19:11
Operator : SY/VA
Sample : M1370-12
Misc : 4.71G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

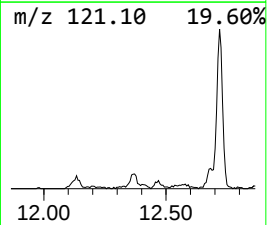
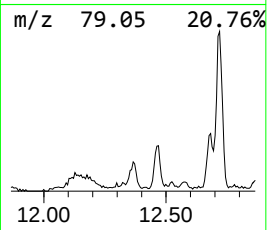
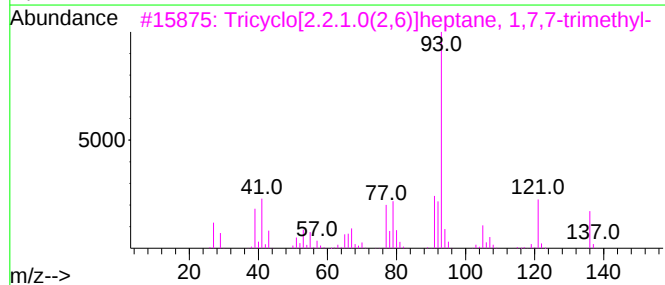
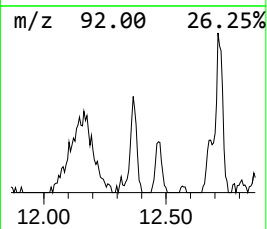
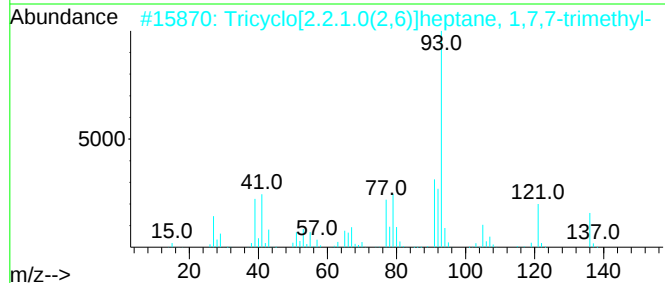
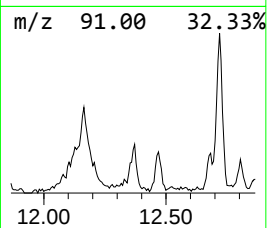
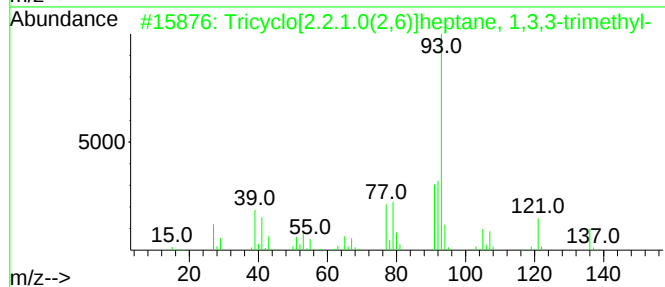
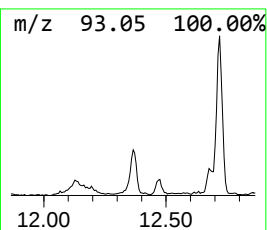
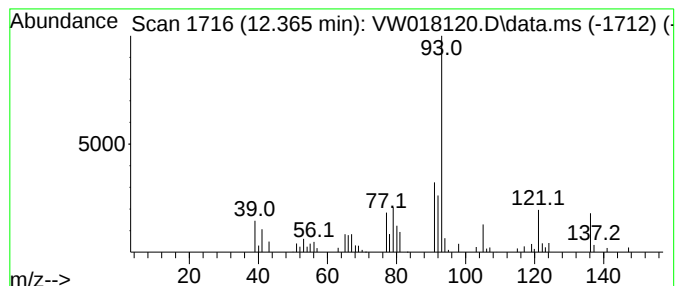
Instrument :
MSVOA_W
ClientSampleId :
DBGY8

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 5 Tricyclo[2.2.1.0(2,6)]hepta... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.365	1.46 ug/L	35118	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000488-97-1	91
2	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	90
3	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	87
4	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	80
5	Cyclohexene, 1-methyl-5-(1-methy...	136	C10H16	001461-27-4	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
Data File : VW018120.D
Acq On : 12 Feb 2021 19:11
Operator : SY/VA
Sample : M1370-12
Misc : 4.71G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY8

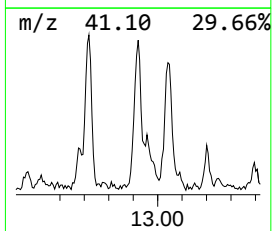
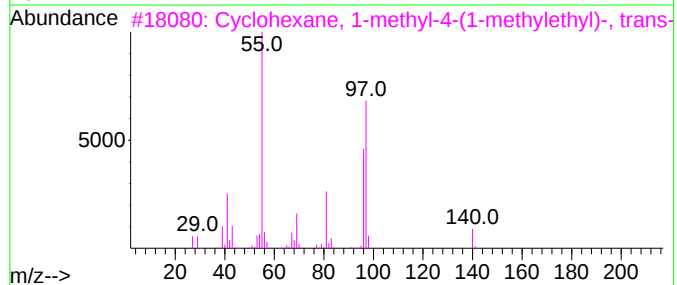
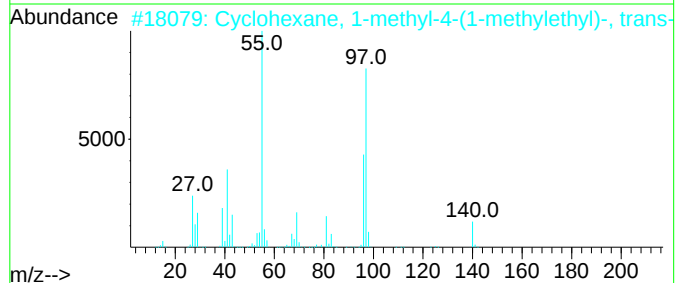
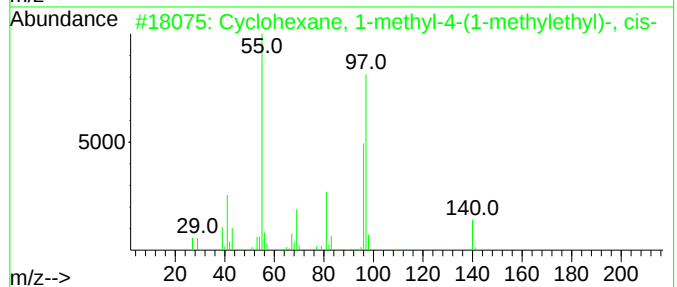
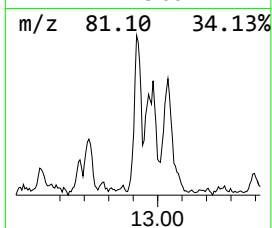
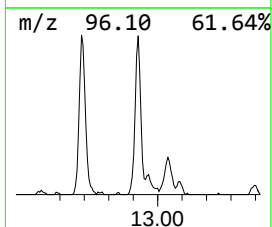
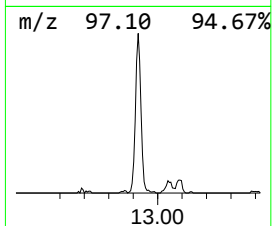
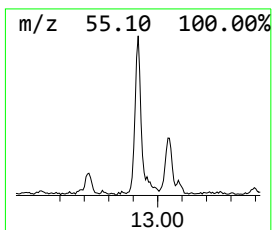
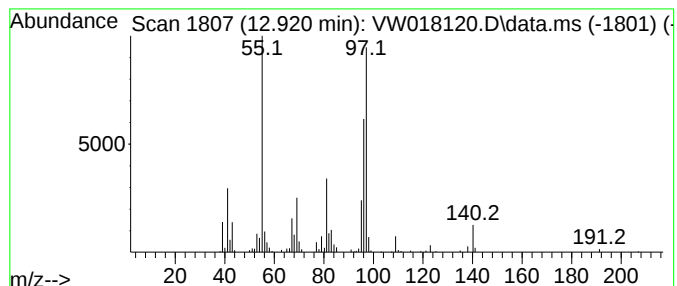
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Cyclic12.920 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.920	11.71 ug/L	156135	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	93
2			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	87
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	87
4			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	81
5			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
Data File : VW018120.D
Acq On : 12 Feb 2021 19:11
Operator : SY/VA
Sample : M1370-12
Misc : 4.71G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY8

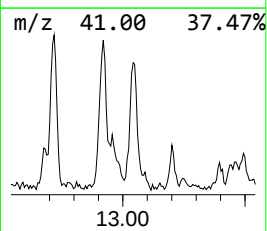
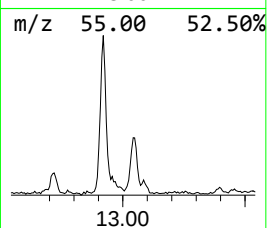
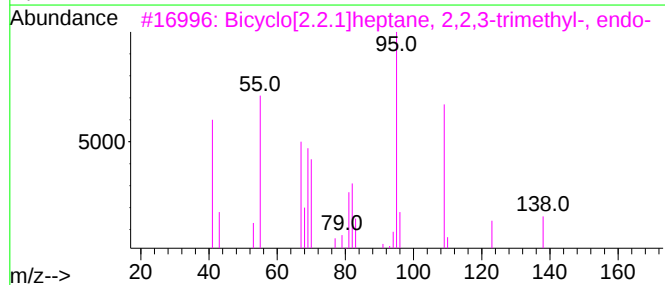
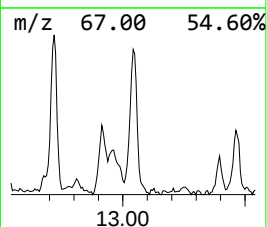
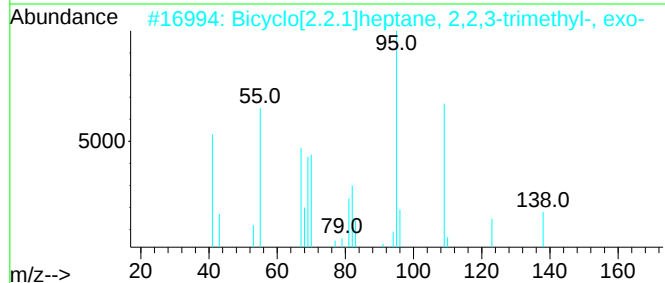
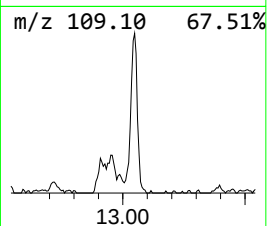
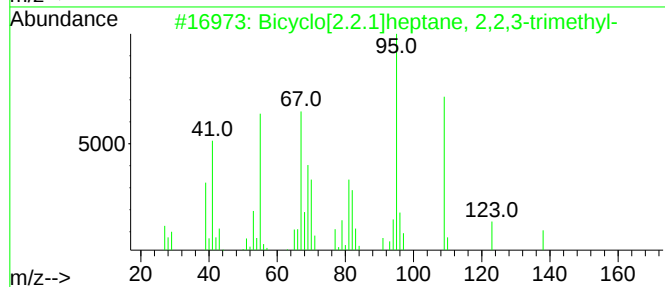
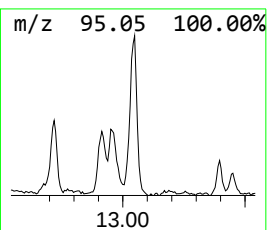
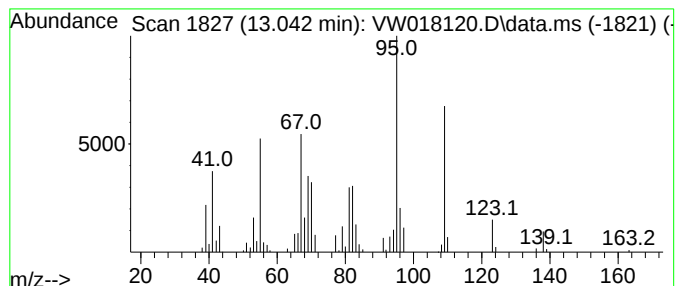
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Quant Title : VOC Analysis

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

Peak Number 8 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.042	6.20 ug/L	82627	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	97
2			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	91
3			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	91
4			Bicyclo[2.2.1]heptane, 1,7,7-tri...	138	C10H18	000464-15-3	64
5			4-Ethyl-2-hexynal	124	C8H12O	071932-97-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
Data File : VW018120.D
Acq On : 12 Feb 2021 19:11
Operator : SY/VA
Sample : M1370-12
Misc : 4.71G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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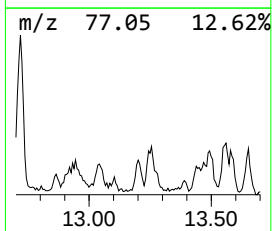
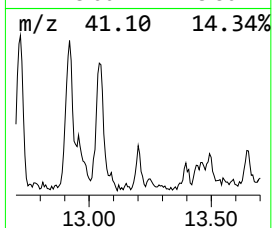
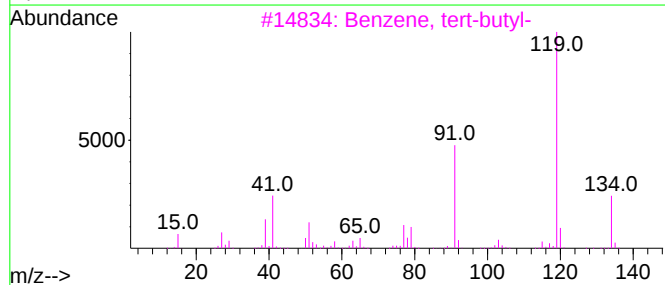
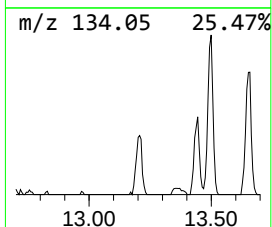
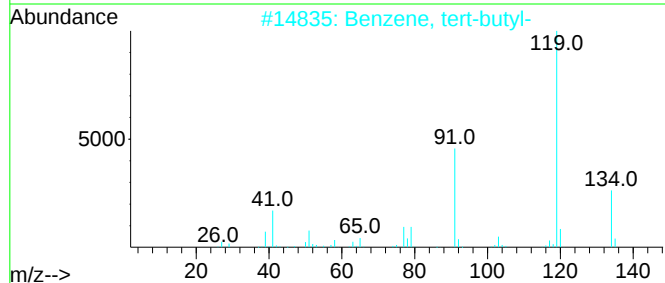
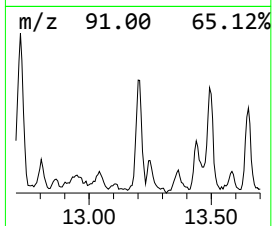
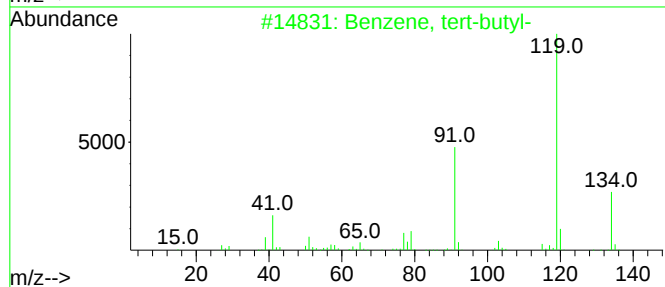
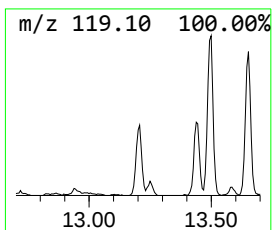
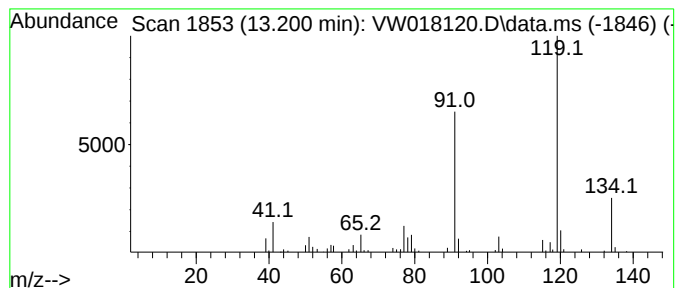
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Quant Title : VOC Analysis

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

Peak Number 9 Benzene, tert-butyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.201	2.58 ug/L	34335	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, tert-butyl-	134	C10H14	000098-06-6	94
2			Benzene, tert-butyl-	134	C10H14	000098-06-6	91
3			Benzene, tert-butyl-	134	C10H14	000098-06-6	91
4			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
5			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
Data File : VW018120.D
Acq On : 12 Feb 2021 19:11
Operator : SY/VA
Sample : M1370-12
Misc : 4.71G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY8

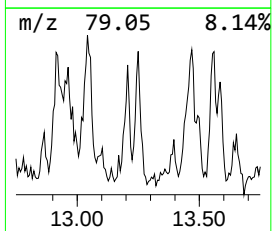
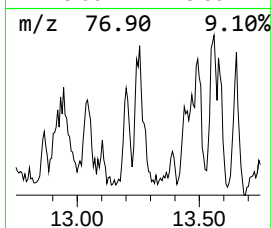
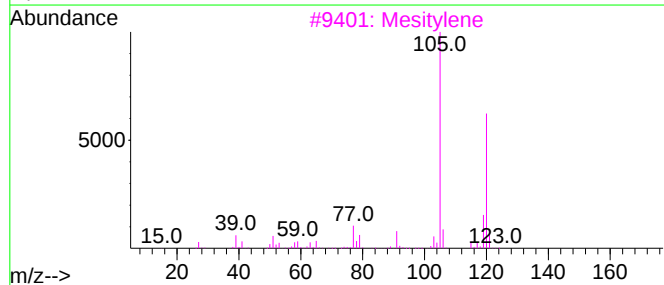
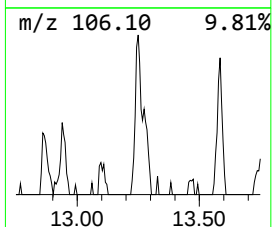
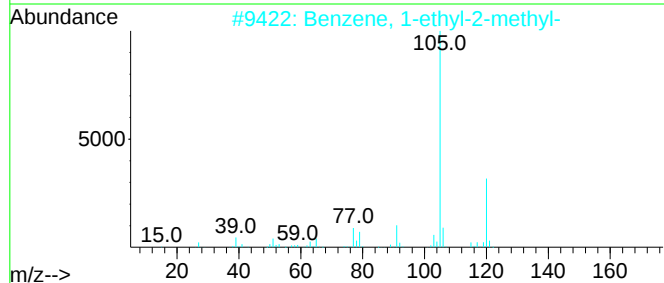
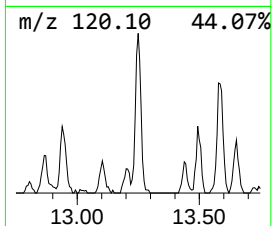
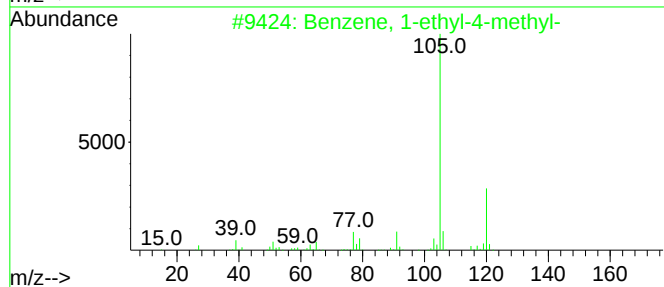
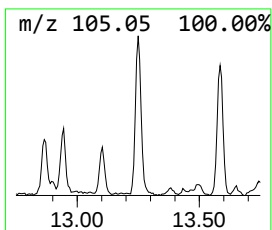
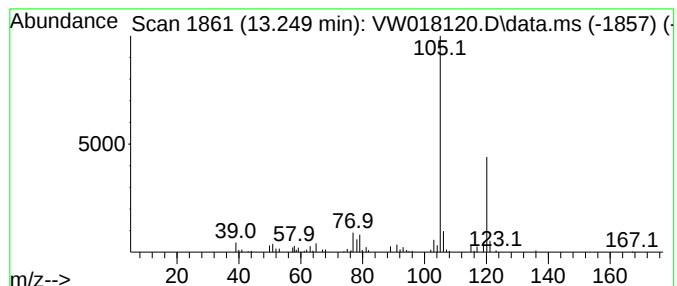
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Quant Title : VOC Analysis

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

Peak Number 10 Benzene, 1-ethyl-4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.249	3.59 ug/L	47816	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
3			Mesitylene	120	C9H12	000108-67-8	87
4			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
5			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
Data File : VW018120.D
Acq On : 12 Feb 2021 19:11
Operator : SY/VA
Sample : M1370-12
Misc : 4.71G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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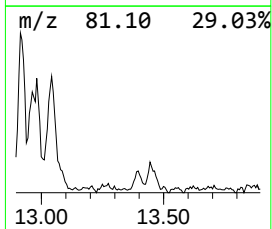
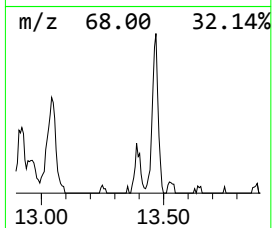
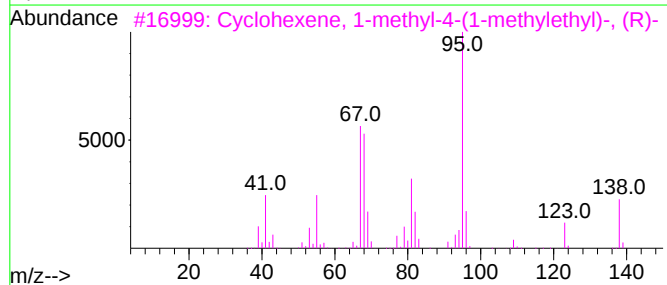
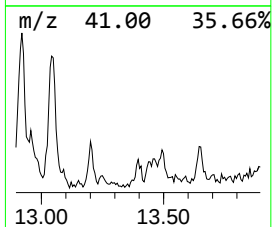
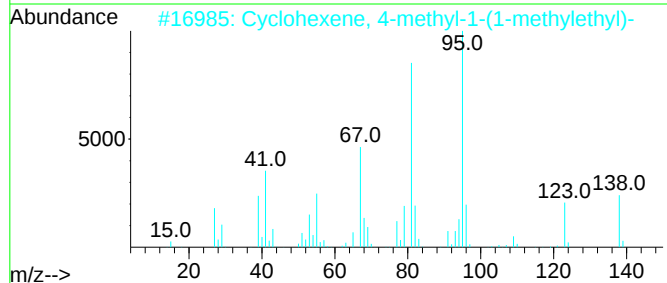
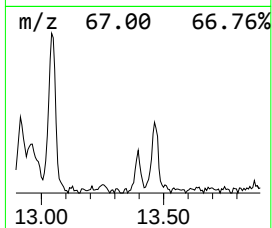
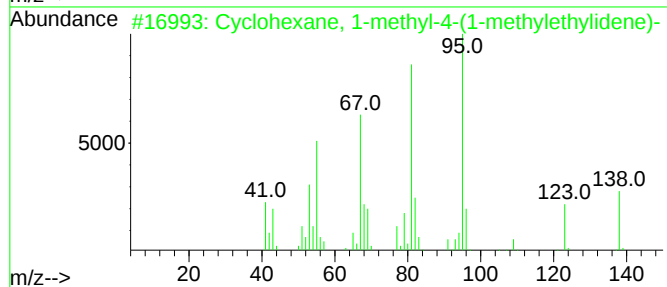
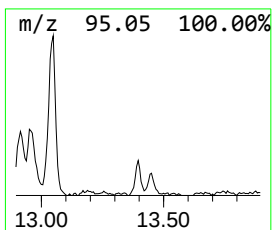
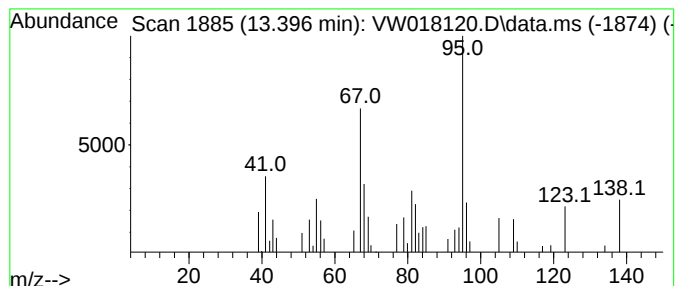
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Quant Title : VOC Analysis

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

Peak Number 11 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.396	1.59 ug/L	21207	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	93
2		Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	93
3		Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	001195-31-9	83
4		Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	81
5		Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
Data File : VW018120.D
Acq On : 12 Feb 2021 19:11
Operator : SY/VA
Sample : M1370-12
Misc : 4.71G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY8

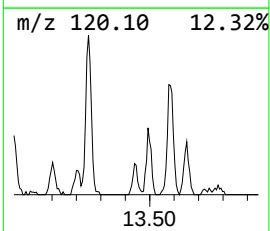
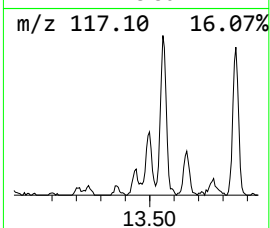
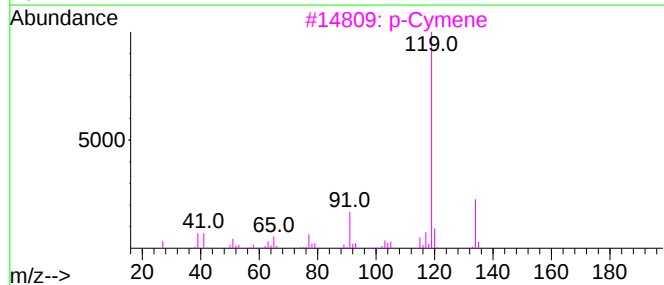
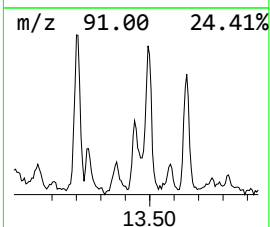
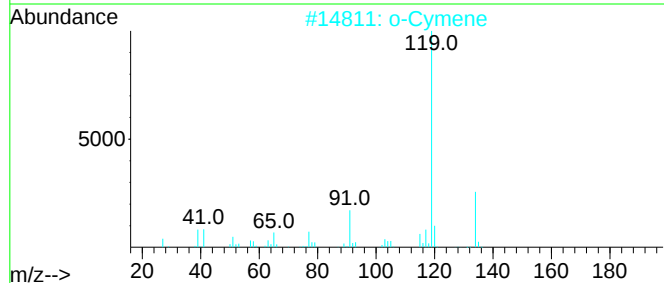
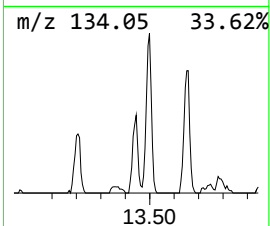
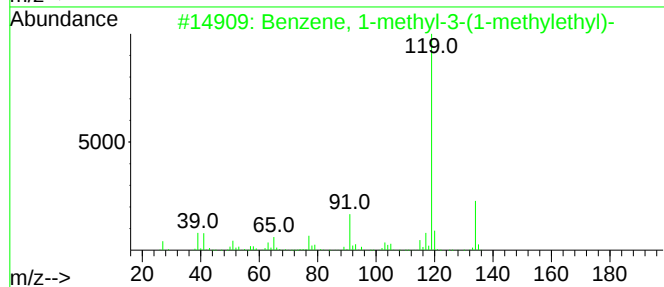
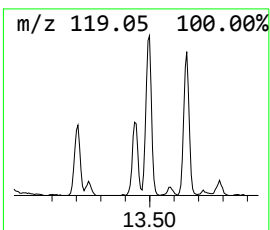
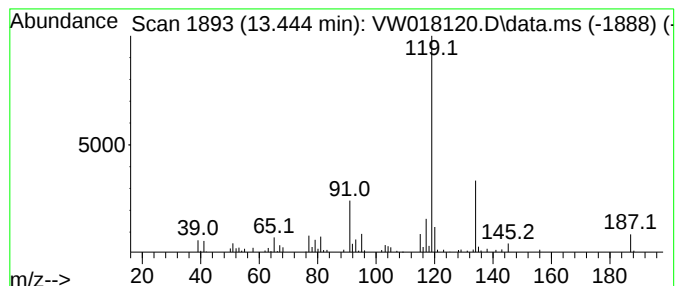
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Quant Title : VOC Analysis

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.
13.444	2.92 ug/L	38988	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
2			o-Cymene	134	C10H14	000527-84-4	94
3			p-Cymene	134	C10H14	000099-87-6	94
4			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
5			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
Data File : VW018120.D
Acq On : 12 Feb 2021 19:11
Operator : SY/VA
Sample : M1370-12
Misc : 4.71G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY8

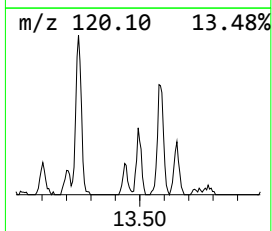
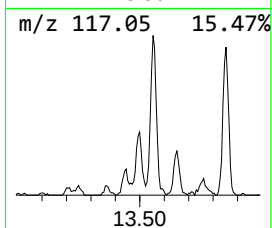
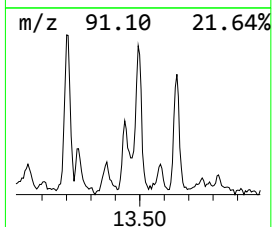
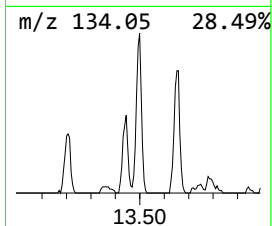
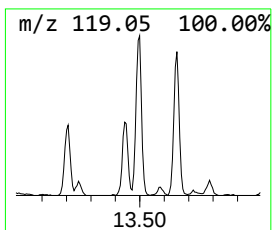
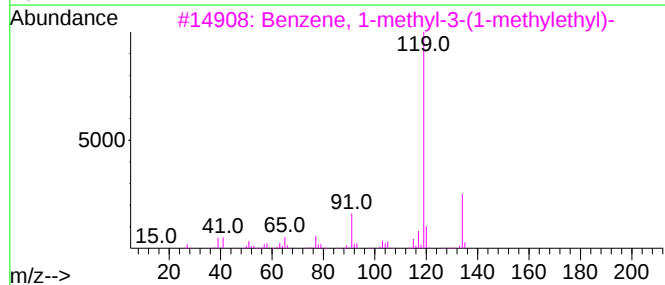
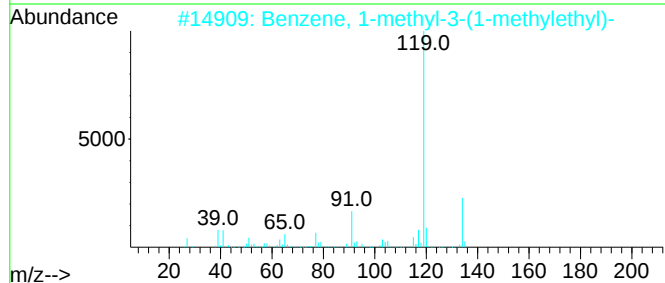
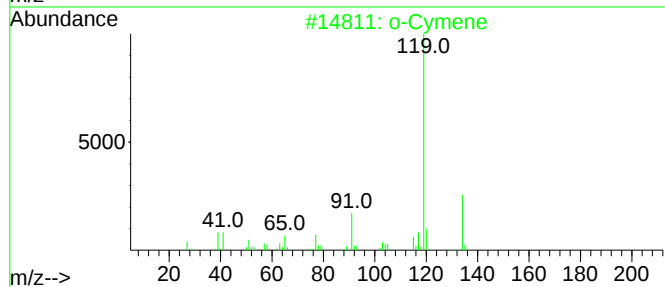
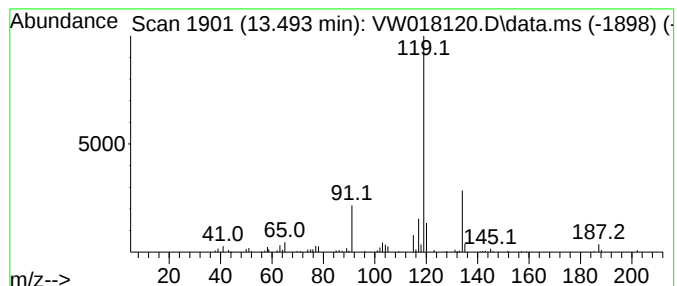
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Quant Title : VOC Analysis

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

Peak Number 13 o-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.493	5.96 ug/L	79531	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	91
2			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
3			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
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\VW021221\
Data File : VW018120.D
Acq On : 12 Feb 2021 19:11
Operator : SY/VA
Sample : M1370-12
Misc : 4.71G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY8

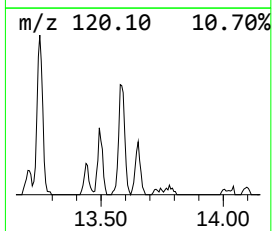
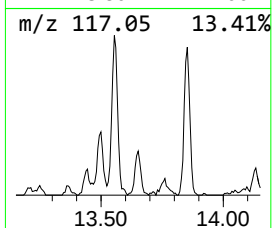
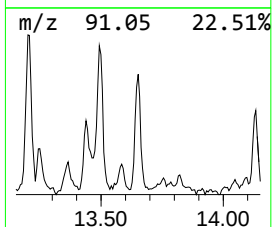
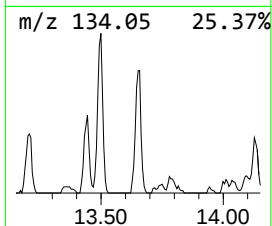
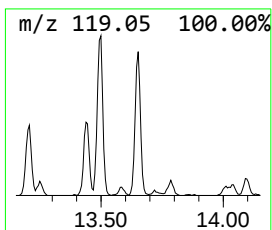
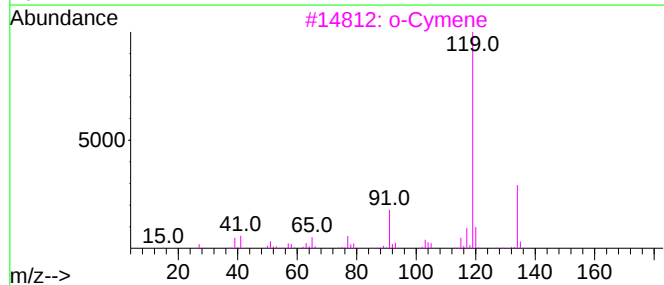
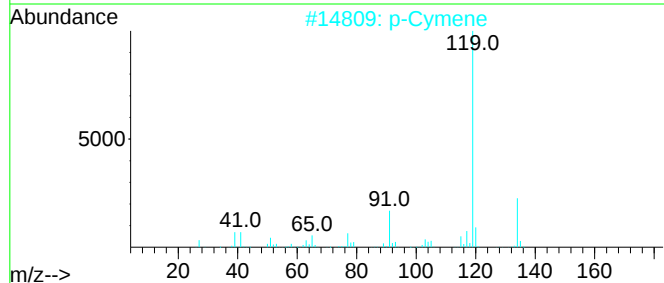
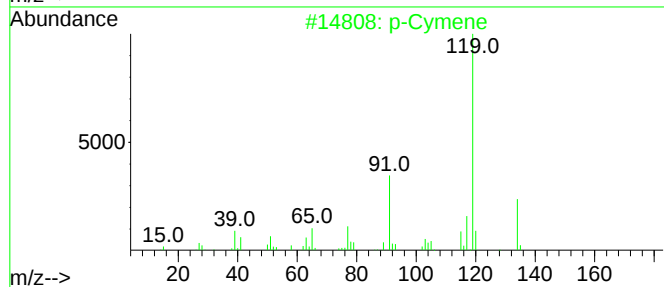
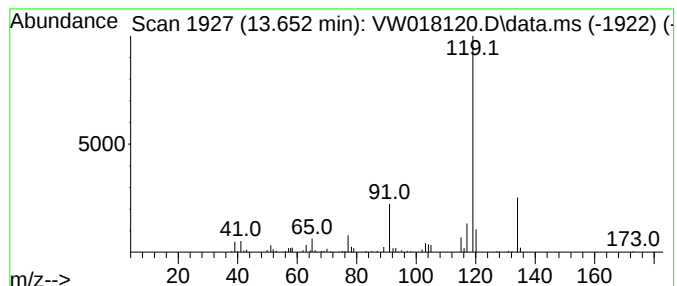
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Quant Title : VOC Analysis

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

Peak Number 14 p-Cymene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.652	3.81 ug/L	50831	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			p-Cymene	134	C10H14	000099-87-6	95
2			p-Cymene	134	C10H14	000099-87-6	94
3			o-Cymene	134	C10H14	000527-84-4	94
4			o-Cymene	134	C10H14	000527-84-4	91
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
Data File : VW018120.D
Acq On : 12 Feb 2021 19:11
Operator : SY/VA
Sample : M1370-12
Misc : 4.71G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY8

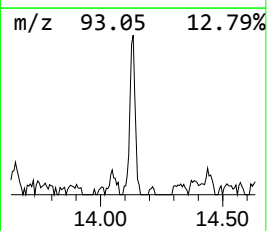
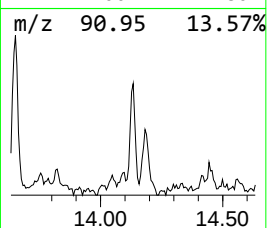
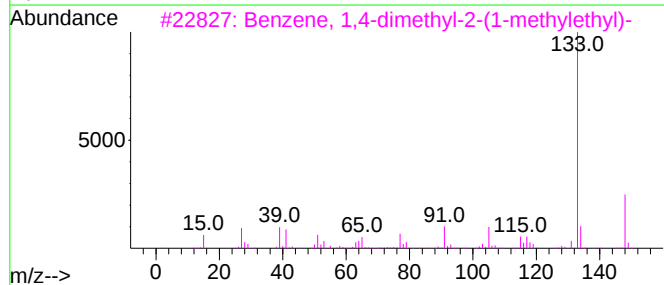
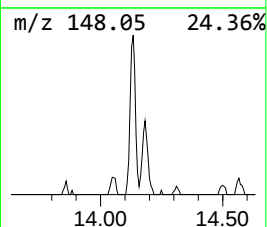
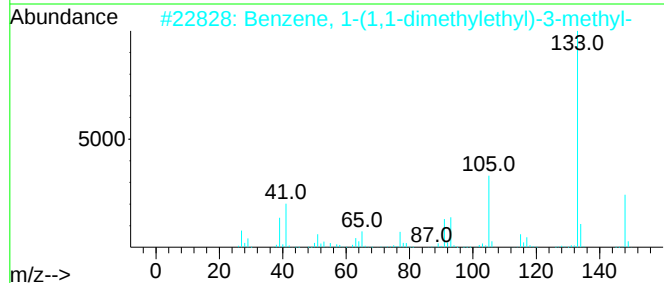
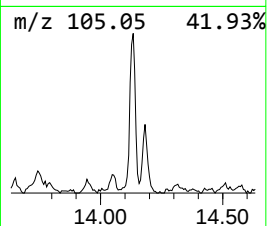
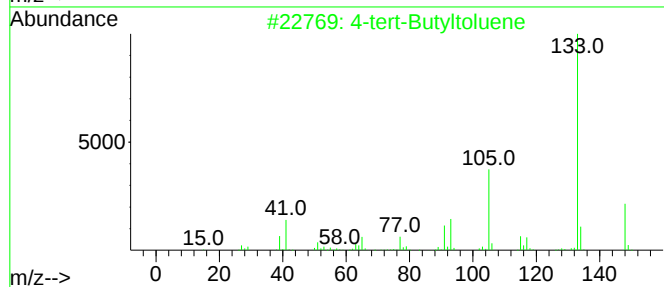
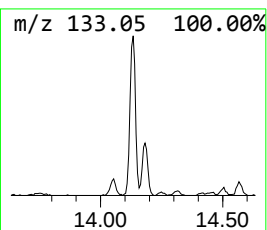
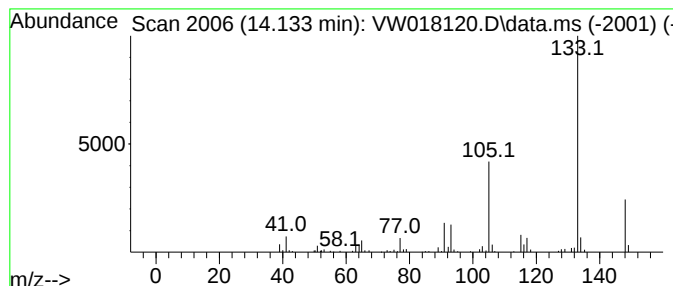
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Quant Title : VOC Analysis

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

Peak Number 15 4-tert-Butyltoluene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.133	4.28 ug/L	57070	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-tert-Butyltoluene	148	C11H16	000098-51-1	91
2			Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	91
3			Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	80
4			4-tert-Butyltoluene	148	C11H16	000098-51-1	74
5			Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
Data File : VW018120.D
Acq On : 12 Feb 2021 19:11
Operator : SY/VA
Sample : M1370-12
Misc : 4.71G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY8

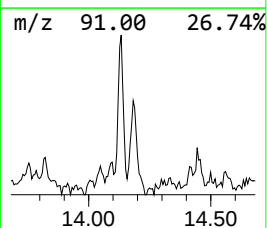
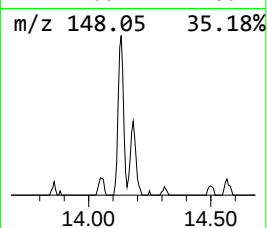
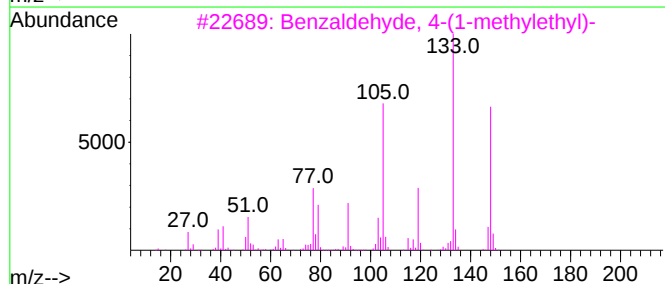
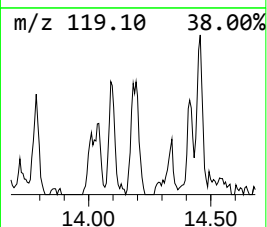
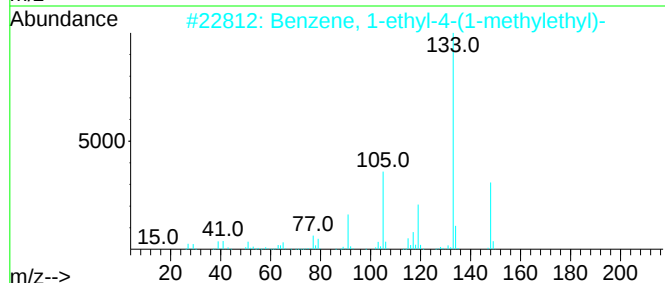
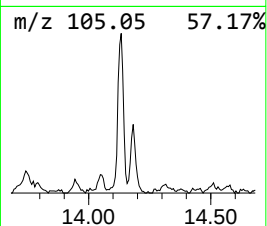
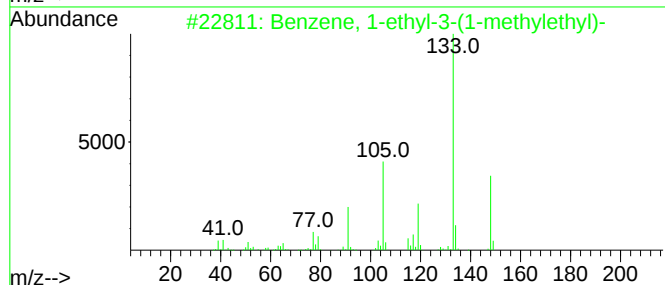
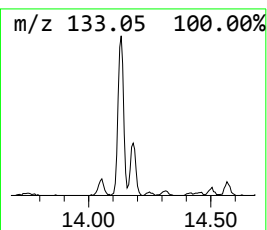
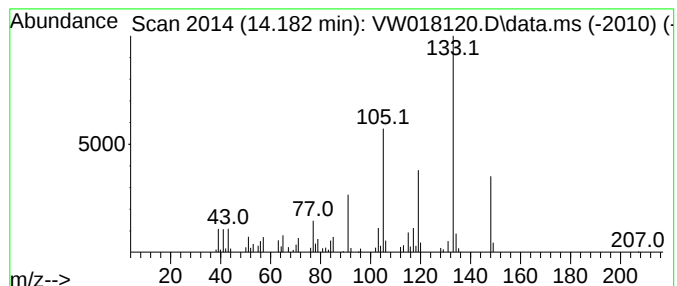
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Quant Title : VOC Analysis

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

Peak Number 16 Benzene, 1-ethyl-3-(1-methy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.182	2.66 ug/L	35467	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	91
2			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	91
3			Benzaldehyde, 4-(1-methylethyl)-	148	C10H12O	000122-03-2	90
4			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	87
5			Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
Data File : VW018120.D
Acq On : 12 Feb 2021 19:11
Operator : SY/VA
Sample : M1370-12
Misc : 4.71G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY8

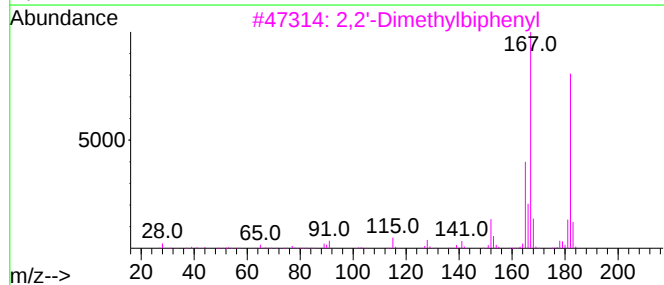
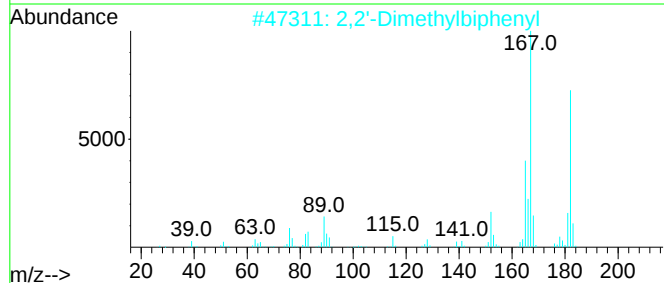
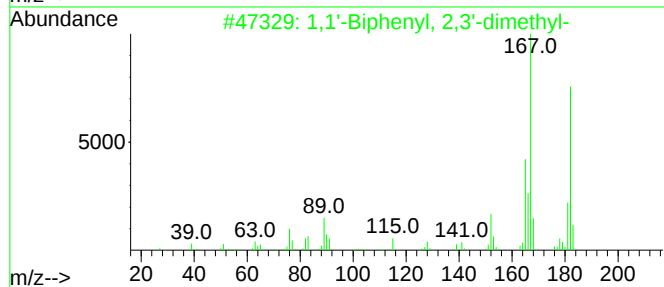
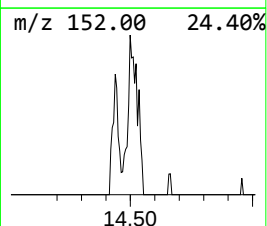
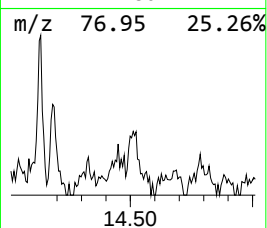
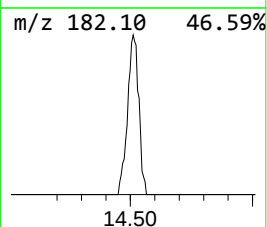
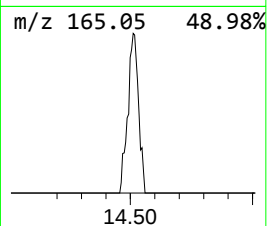
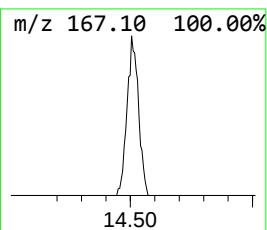
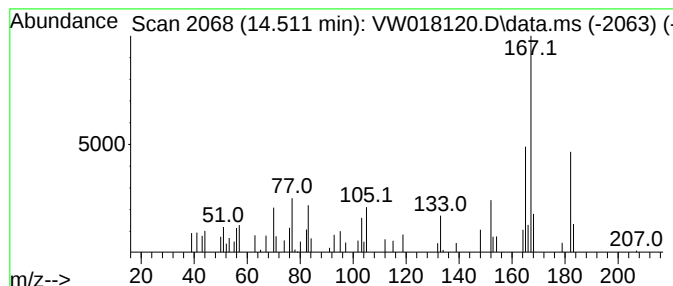
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Quant Title : VOC Analysis

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

Peak Number 17 1,1'-Biphenyl, 2,3'-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.511	1.42 ug/L	18976	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	80
2			2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	80
3			2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	72
4			4-Ethylbiphenyl	182	C14H14	005707-44-8	72
5			Benzene, 1,1'-ethyldienebis-	182	C14H14	000612-00-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
Data File : VW018120.D
Acq On : 12 Feb 2021 19:11
Operator : SY/VA
Sample : M1370-12
Misc : 4.71G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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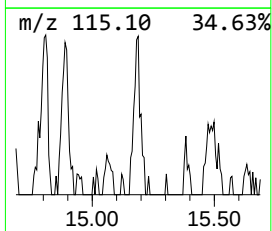
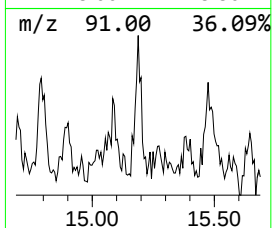
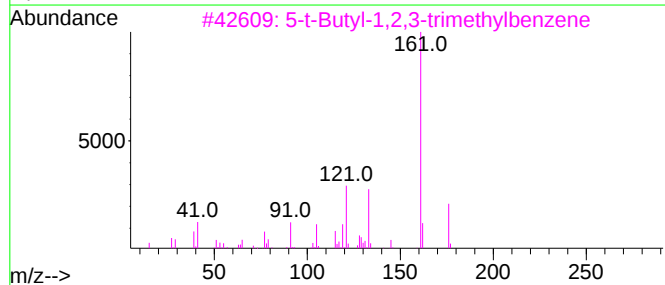
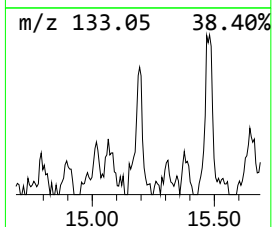
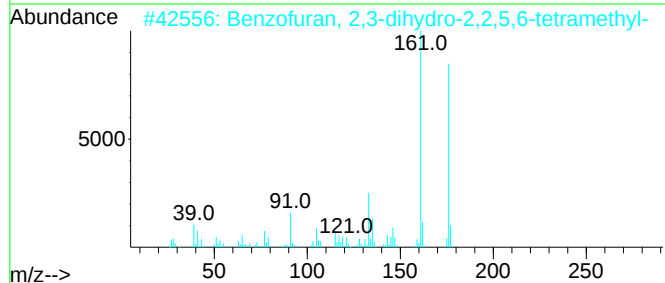
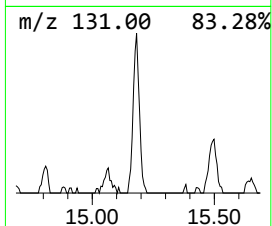
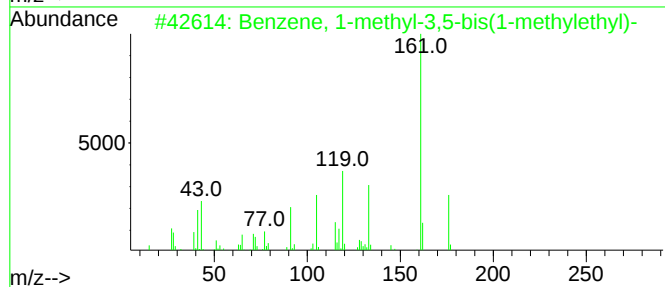
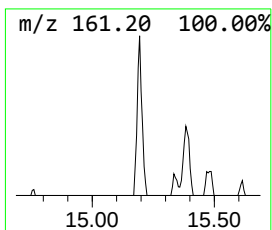
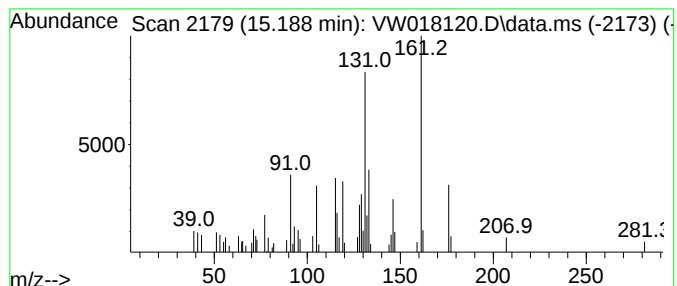
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Quant Title : VOC Analysis

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

Peak Number 18 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.188	1.67 ug/L	22260	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-3,5-bis(1-meth...	176	C13H20	003055-14-9	46
2			Benzofuran, 2,3-dihydro-2,2,5,6-...	176	C12H16O	063577-97-9	45
3			5-t-Butyl-1,2,3-trimethylbenzene	176	C13H20	000098-23-7	45
4			1,3,5-Cycloheptatriene, 2,3,4,5,...	176	C13H20	074779-68-3	43
5			Benzofuran, 2,3-dihydro-2,2,4,6-...	176	C12H16O	003698-49-5	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
Data File : VW018120.D
Acq On : 12 Feb 2021 19:11
Operator : SY/VA
Sample : M1370-12
Misc : 4.71G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY8

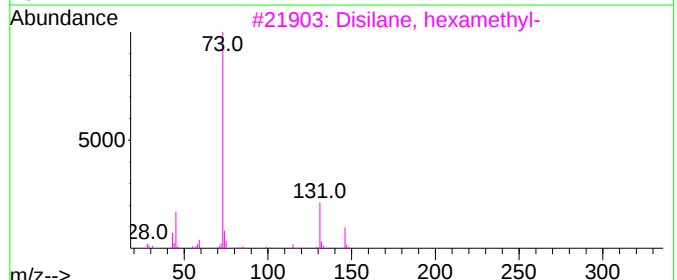
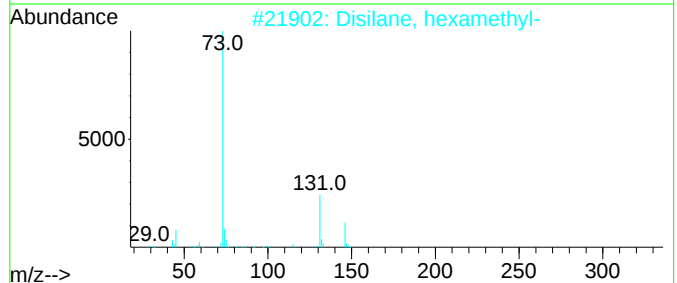
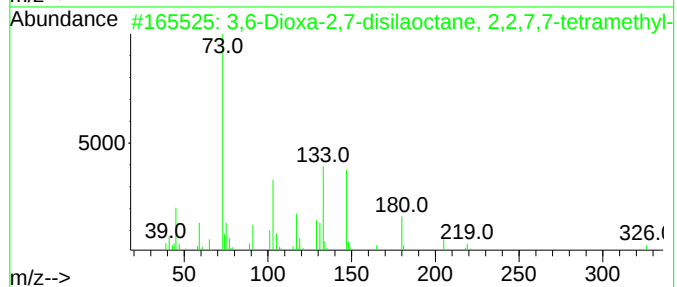
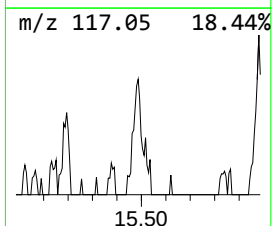
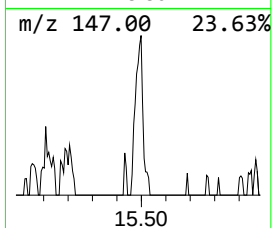
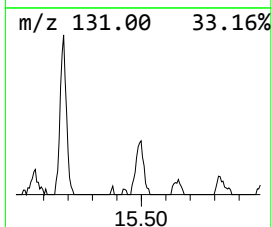
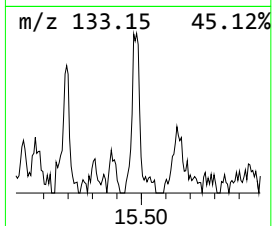
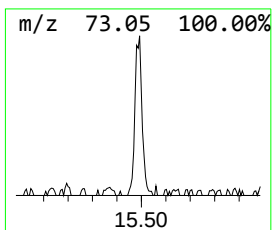
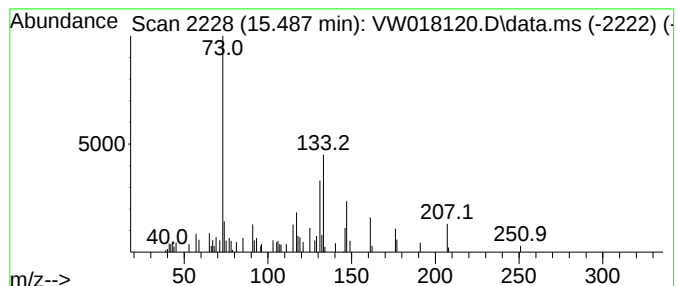
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Quant Title : VOC Analysis

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

Peak Number 19 unknown-02 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.487	2.31 ug/L	30769	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,6-Dioxa-2,7-disilaoctane, 2,2,...	326	C16H30O3Si2	074810-85-8	23
2			Disilane, hexamethyl-	146	C6H18Si2	001450-14-2	22
3			Disilane, hexamethyl-	146	C6H18Si2	001450-14-2	22
4			Disilane, hexamethyl-	146	C6H18Si2	001450-14-2	22
5			Allyl dithiopropionate	146	C6H10S2	041830-43-7	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
Data File : VW018120.D
Acq On : 12 Feb 2021 19:11
Operator : SY/VA
Sample : M1370-12
Misc : 4.71G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY8

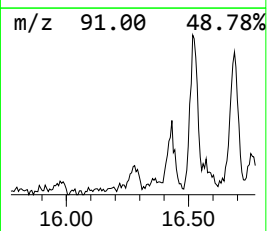
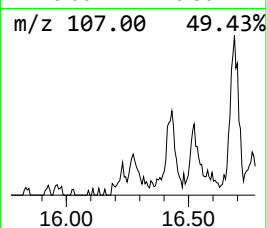
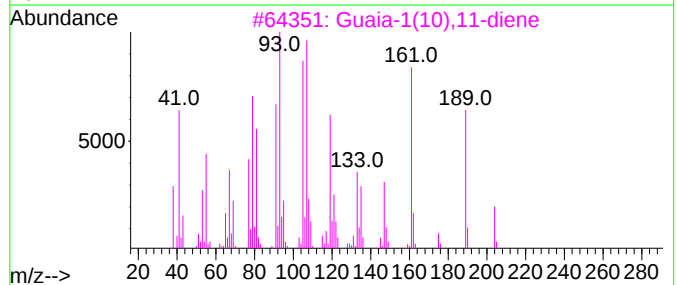
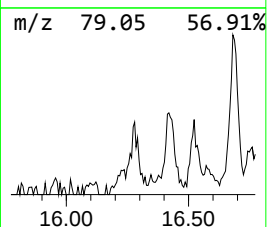
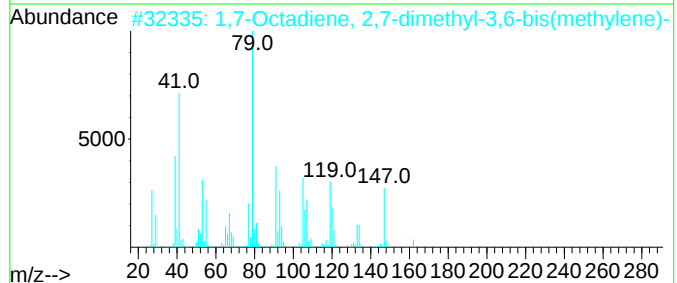
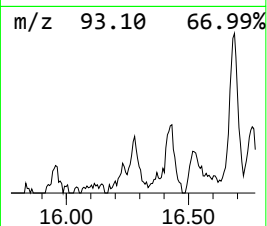
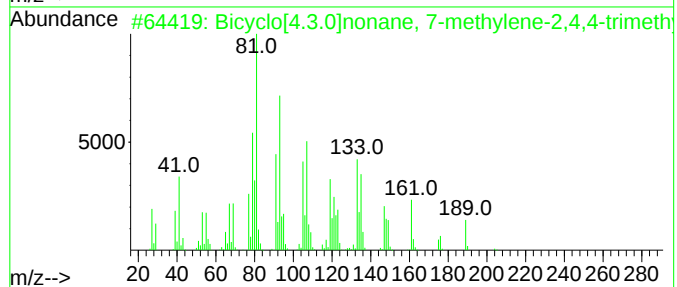
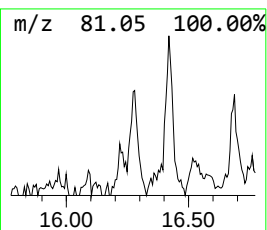
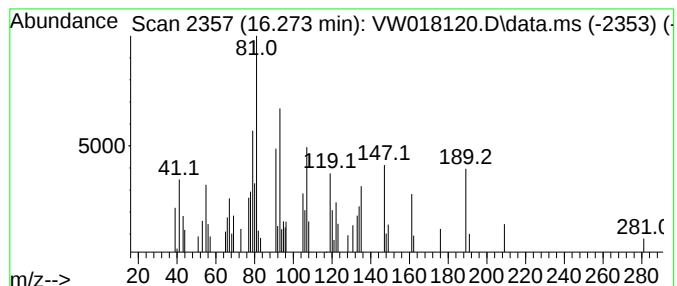
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Quant Title : VOC Analysis

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

Peak Number 20 Bicyclo[4.3.0]nonane, 7-met... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.273	1.38 ug/L	18372	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[4.3.0]nonane, 7-methylen...	204	C15H24	1000156-11-9	64
2			1,7-Octadiene, 2,7-dimethyl-3,6-...	162	C12H18	016714-60-6	43
3			Guaia-1(10),11-diene	204	C15H24	1000374-19-7	30
4			2,6,10,10-Tetramethylbicyclo[7.2...	204	C15H24	136296-37-2	27
5			Cyclohexane, 1,4-bis[(tert-butyl...	344	C18H40O2Si2	1000221-82-2	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
Data File : VW018120.D
Acq On : 12 Feb 2021 19:11
Operator : SY/VA
Sample : M1370-12
Misc : 4.71G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY8

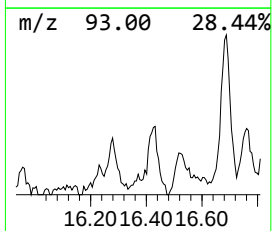
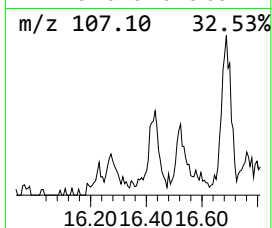
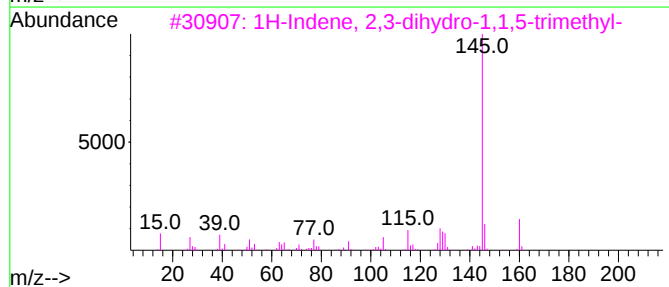
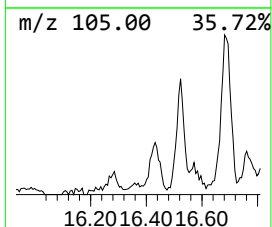
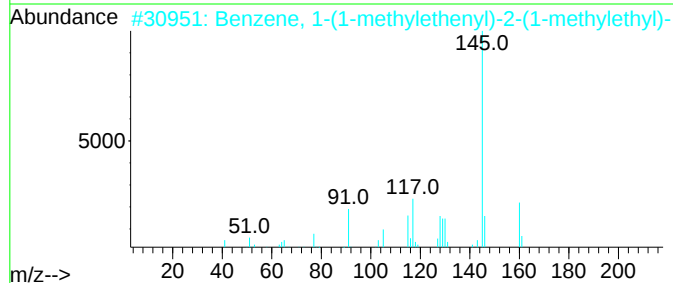
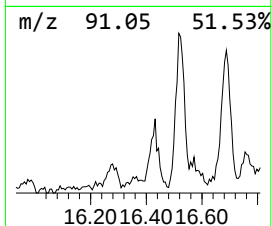
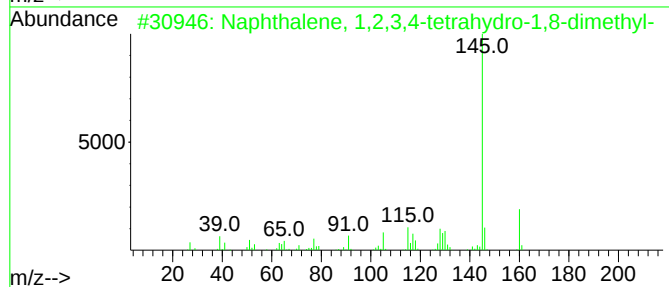
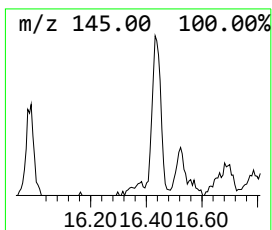
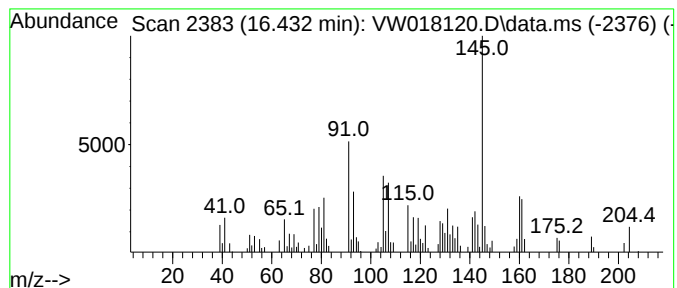
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Quant Title : VOC Analysis

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

Peak Number 21 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.432	4.14 ug/L	55230	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	55
2			Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	55
3			1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	55
4			Benzene, (2,2-dimethyl-1-methyle...	160	C12H16	005676-29-9	55
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
Data File : VW018120.D
Acq On : 12 Feb 2021 19:11
Operator : SY/VA
Sample : M1370-12
Misc : 4.71G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY8

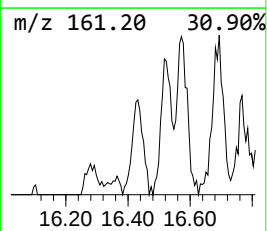
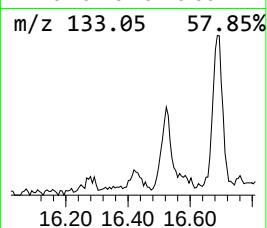
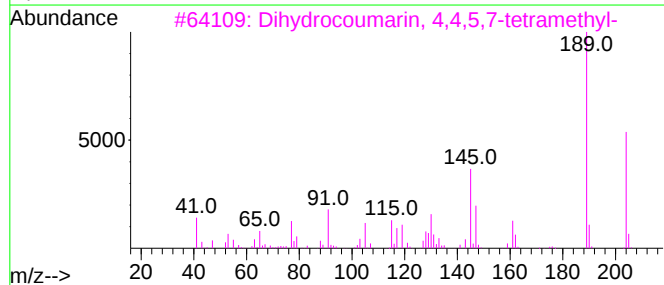
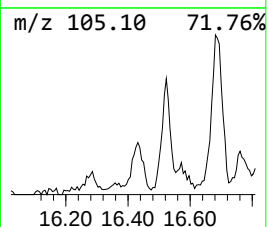
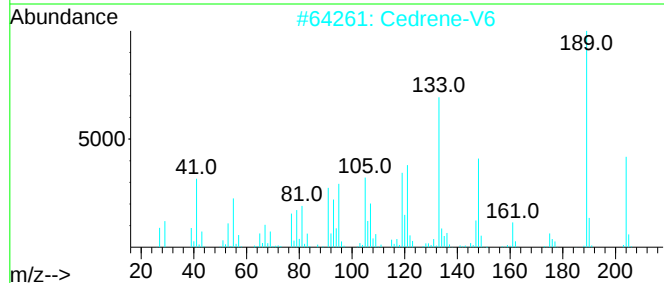
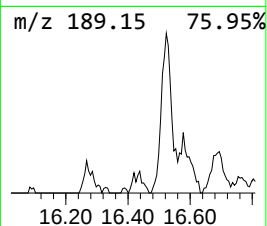
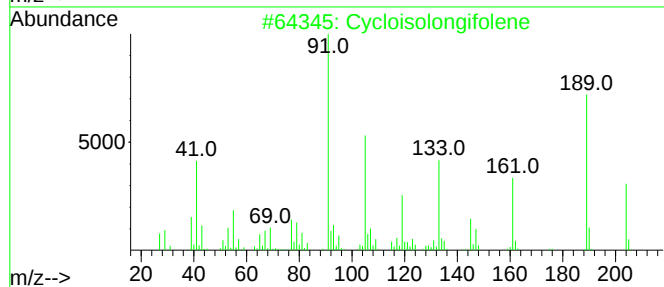
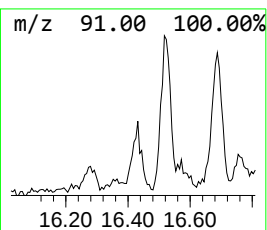
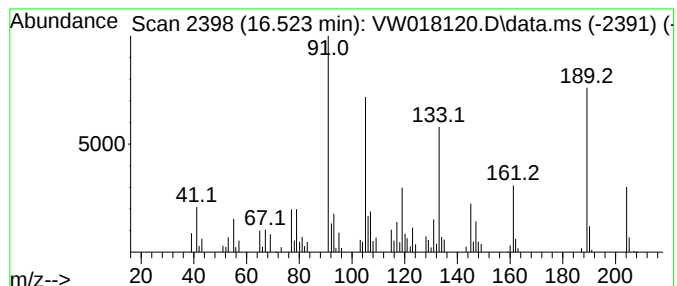
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Quant Title : VOC Analysis

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

Peak Number 22 Cycloisolongifolene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.523	4.29 ug/L	57219	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cycloisolongifolene	204	C15H24	1000151-99-7	95
2			Cedrene-V6	204	C15H24	1000162-76-8	76
3			Dihydrocoumarin, 4,4,5,7-tetrame...	204	C13H16O2	040662-14-4	64
4			Benzene, 1,3,5-tris(1-methylethyl)-	204	C15H24	000717-74-8	58
5			Benzene, 1,3,5-tris(1-methylethyl)-	204	C15H24	000717-74-8	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
Data File : VW018120.D
Acq On : 12 Feb 2021 19:11
Operator : SY/VA
Sample : M1370-12
Misc : 4.71G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

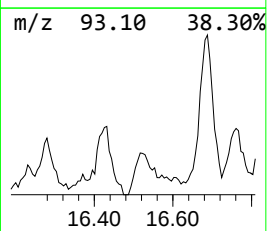
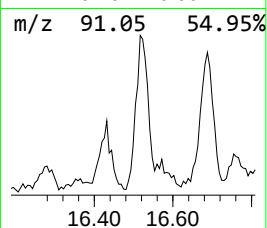
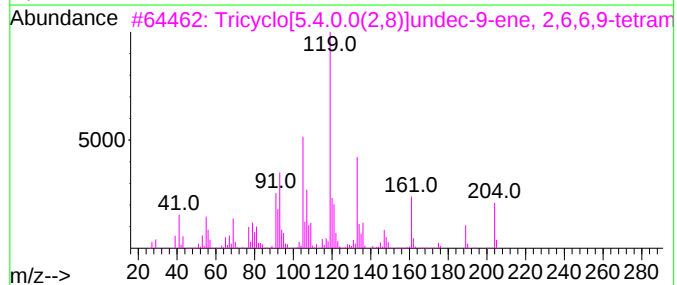
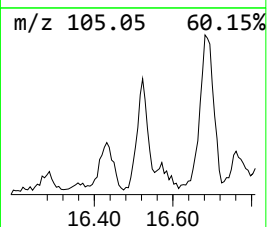
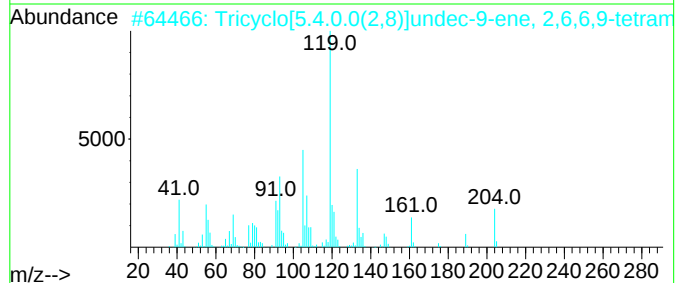
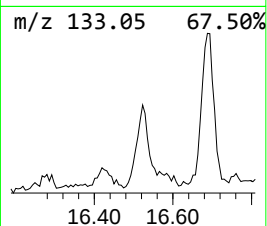
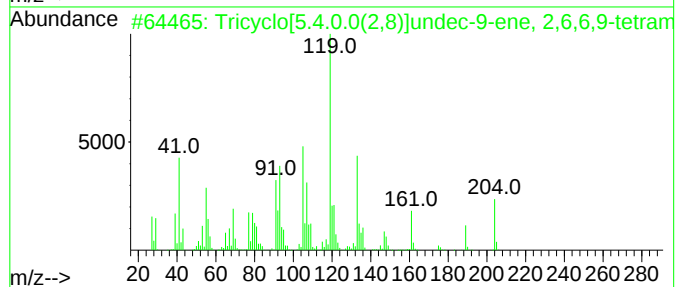
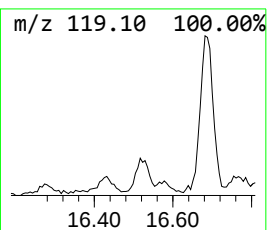
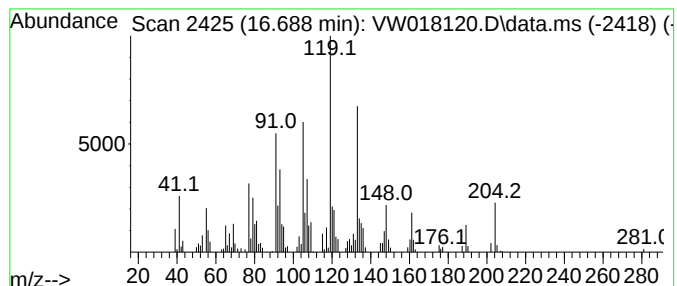
Instrument :
MSVOA_W
ClientSampleId :
DBGY8

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 23 Tricyclo[5.4.0.0(2,8)]undec... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.	
16.688	7.33 ug/L	97796	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Tricyclo[5.4.0.0(2,8)]undec-9-en...		204	C15H24	005989-08-2	99
2	Tricyclo[5.4.0.0(2,8)]undec-9-en...		204	C15H24	005989-08-2	98
3	Tricyclo[5.4.0.0(2,8)]undec-9-en...		204	C15H24	005989-08-2	95
4	Tricyclo[5.4.0.0(2,8)]undec-9-en...		204	C15H24	005989-08-2	90
5	Himachala-2,4-diene		204	C15H24	060909-27-5	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
Data File : VW018120.D
Acq On : 12 Feb 2021 19:11
Operator : SY/VA
Sample : M1370-12
Misc : 4.71G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY8

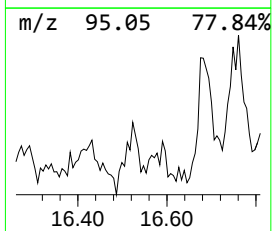
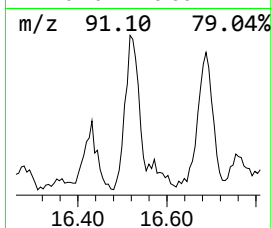
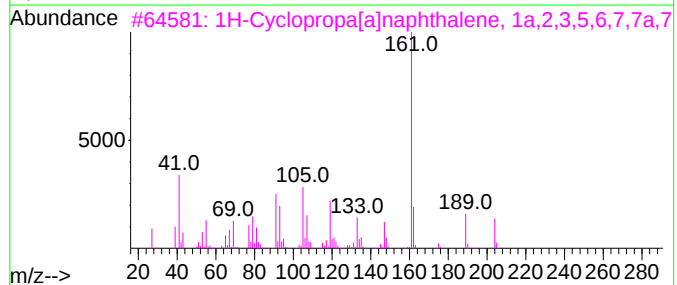
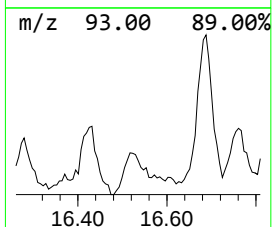
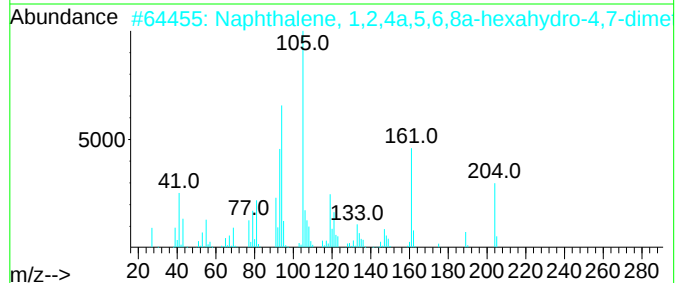
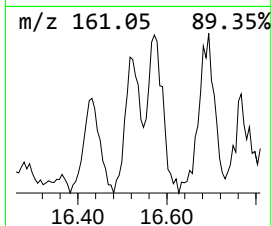
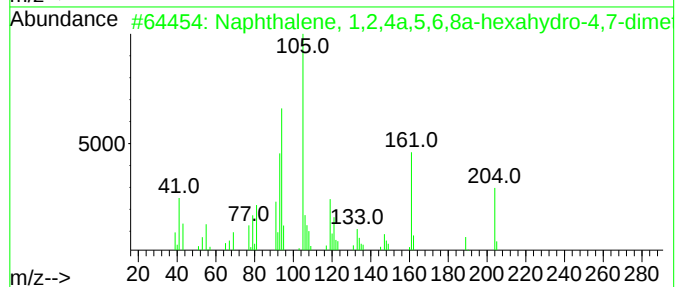
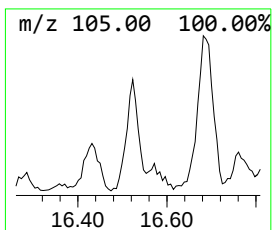
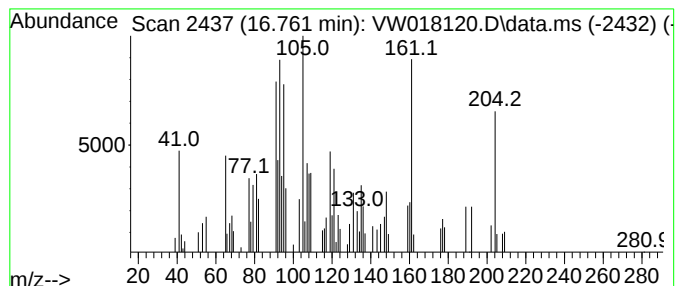
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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

Peak Number 24 Naphthalene, 1,2,4a,5,6,8a-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.761	1.47 ug/L	19654	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,4a,5,6,8a-hexah...	204	C15H24	000483-75-0	50
2			Naphthalene, 1,2,4a,5,6,8a-hexah...	204	C15H24	000483-75-0	50
3			1H-Cyclopropa[a]naphthalene, 1a,...	204	C15H24	017334-55-3	45
4			1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
5			Neoisolongifolene	204	C15H24	1000156-12-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
 Data File : VW018120.D
 Acq On : 12 Feb 2021 19:11
 Operator : SY/VA
 Sample : M1370-12
 Misc : 4.71G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBGY8

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
(DEL) Alkane: S...	1.959	1.7	ug/L	48311	1	8.841	701147	25.0
2H-2,4a-Methano...	11.378	9.4	ug/L	224905	2	11.634	599890	25.0
Diphenyl ether	12.164	202.9	ug/L	4868540	2	11.634	599890	25.0
Tricyclo[2.2.1]...	12.365	1.5	ug/L	35118	2	11.634	599890	25.0
(DEL) Alkane: C...	12.920	11.7	ug/L	156135	3	13.560	333333	25.0
Bicyclo[2.2.1]h...	13.042	6.2	ug/L	82627	3	13.560	333333	25.0
Benzene, tert-b...	13.201	2.6	ug/L	34335	3	13.560	333333	25.0
Benzene, 1-ethy...	13.249	3.6	ug/L	47816	3	13.560	333333	25.0
Cyclohexane, 1-...	13.396	1.6	ug/L	21207	3	13.560	333333	25.0
Benzene, 1-meth...	13.444	2.9	ug/L	38988	3	13.560	333333	25.0
o-Cymene	13.493	6.0	ug/L	79531	3	13.560	333333	25.0
p-Cymene	13.652	3.8	ug/L	50831	3	13.560	333333	25.0
4-tert-Butyltol...	14.133	4.3	ug/L	57070	3	13.560	333333	25.0
Benzene, 1-ethy...	14.182	2.7	ug/L	35467	3	13.560	333333	25.0
1,1'-Biphenyl, ...	14.511	1.4	ug/L	18976	3	13.560	333333	25.0
unknown-01	15.188	1.7	ug/L	22260	3	13.560	333333	25.0
unknown-02	15.487	2.3	ug/L	30769	3	13.560	333333	25.0
Bicyclo[4.3.0]n...	16.273	1.4	ug/L	18372	3	13.560	333333	25.0
Naphthalene, 1,...	16.432	4.1	ug/L	55230	3	13.560	333333	25.0
Cycloisolongifo...	16.523	4.3	ug/L	57219	3	13.560	333333	25.0
Tricyclo[5.4.0]...	16.688	7.3	ug/L	97796	3	13.560	333333	25.0
Naphthalene, 1,...	16.761	1.5	ug/L	19654	3	13.560	333333	25.0