

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
 Data File : VW018111.D
 Acq On : 12 Feb 2021 15:35
 Operator : SY/VA
 Sample : M1371-19
 Misc : 4.40G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBH33

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: VW018111.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.160	38	42	44	rBV2	1127	1796	0.14%	0.016%
2	2.221	46	52	53	rBV6	3083	5832	0.46%	0.051%
3	2.355	68	74	88	rVB	67373	132750	10.49%	1.165%
4	2.892	155	162	182	rVB	53811	132394	10.47%	1.162%
5	3.257	219	222	227	rVV4	185	388	0.03%	0.003%
6	3.337	234	235	238	rVB	290	186	0.01%	0.002%
7	3.367	238	240	243	rBV2	212	263	0.02%	0.002%
8	3.465	251	256	259	rBV2	284	480	0.04%	0.004%
9	3.769	304	306	309	rVB	176	198	0.02%	0.002%
10	4.019	335	347	375	rBV	125776	411330	32.52%	3.609%
11	4.257	383	386	388	rVB2	224	190	0.02%	0.002%
12	4.385	401	407	413	rBV3	681	1905	0.15%	0.017%
13	4.684	451	456	458	rBV3	163	216	0.02%	0.002%
14	4.745	464	466	470	rBV	253	244	0.02%	0.002%
15	4.922	484	495	513	rVB2	10527	38551	3.05%	0.338%
16	5.117	519	527	528	rBV3	818	1228	0.10%	0.011%
17	5.940	652	662	671	rVB4	4128	11603	0.92%	0.102%
18	6.013	671	674	678	rVB2	147	193	0.02%	0.002%
19	6.379	728	734	749	rVV4	4812	15410	1.22%	0.135%
20	6.659	778	780	783	rBV2	163	184	0.01%	0.002%
21	6.879	813	816	817	rBV	339	282	0.02%	0.002%
22	6.897	817	819	821	rVV2	420	539	0.04%	0.005%
23	6.921	821	823	826	rVV3	554	514	0.04%	0.005%
24	7.074	838	848	853	rBV	32841	90355	7.14%	0.793%
25	7.257	876	878	883	rVB4	412	639	0.05%	0.006%
26	7.543	921	925	929	rVV2	267	424	0.03%	0.004%
27	7.647	931	942	956	rVV	223303	544580	43.05%	4.778%
28	7.775	958	963	968	rVB4	487	1120	0.09%	0.010%
29	7.946	986	991	995	rBV4	650	1157	0.09%	0.010%
30	8.275	1031	1045	1061	rBV2	436877	1264929	100.00%	11.098%
31	8.537	1086	1088	1093	rVB2	140	212	0.02%	0.002%
32	8.689	1109	1113	1115	rBV4	487	676	0.05%	0.006%
33	8.842	1128	1138	1153	rBV	500800	979886	77.47%	8.597%
34	8.945	1153	1155	1159	rVB4	241	331	0.03%	0.003%
35	9.025	1159	1168	1175	rBV	39732	84529	6.68%	0.742%
36	9.275	1200	1209	1219	rBV	284224	571452	45.18%	5.014%

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 Title : VOC Analysis

37	9.421	1227	1233	1236	rBV4	788	1287	0.10%	0.011%
38	9.500	1239	1246	1256	rBV	52242	96131	7.60%	0.843%
39	9.659	1267	1272	1277	rBV5	1131	1860	0.15%	0.016%
40	9.750	1284	1287	1290	rBV3	511	727	0.06%	0.006%
41	9.884	1304	1309	1310	rVV3	567	669	0.05%	0.006%
42	9.902	1310	1312	1315	rVB3	706	626	0.05%	0.005%
43	9.939	1315	1318	1319	rBV	212	219	0.02%	0.002%
44	10.037	1325	1334	1343	rBV	156603	287577	22.73%	2.523%
45	10.122	1344	1348	1350	rVB4	538	720	0.06%	0.006%
46	10.207	1357	1362	1373	rVB2	3870	8283	0.65%	0.073%
47	10.323	1373	1381	1391	rBV	650201	1127567	89.14%	9.893%
48	10.500	1408	1410	1411	rBV2	347	214	0.02%	0.002%
49	10.579	1415	1423	1435	rVB	101269	171666	13.57%	1.506%
50	10.701	1438	1443	1447	rBV2	2875	5505	0.44%	0.048%
51	10.829	1459	1464	1471	rVB4	569	1230	0.10%	0.011%
52	10.921	1471	1479	1485	rBV	130780	224286	17.73%	1.968%
53	10.975	1485	1488	1496	rVB2	11537	18835	1.49%	0.165%
54	11.067	1496	1503	1515	rBV	178222	300724	23.77%	2.638%
55	11.244	1529	1532	1533	rBV2	318	338	0.03%	0.003%
56	11.335	1544	1547	1549	rBV2	289	270	0.02%	0.002%
57	11.396	1553	1557	1559	rBV4	252	324	0.03%	0.003%
58	11.469	1563	1569	1573	rBV3	1492	2600	0.21%	0.023%
59	11.567	1579	1585	1588	rBV4	1760	3266	0.26%	0.029%
60	11.628	1588	1595	1604	rVV	686745	1158996	91.63%	10.169%
61	11.707	1604	1608	1615	rVV2	5463	9813	0.78%	0.086%
62	11.841	1624	1630	1631	rBV4	971	1251	0.10%	0.011%
63	11.872	1631	1635	1638	rVV4	1195	2217	0.18%	0.019%
64	11.951	1646	1648	1651	rVB3	259	210	0.02%	0.002%
65	11.981	1651	1653	1655	rBV2	253	273	0.02%	0.002%
66	12.012	1655	1658	1659	rBV3	477	504	0.04%	0.004%
67	12.085	1664	1670	1676	rBV3	7719	15147	1.20%	0.133%
68	12.152	1676	1681	1685	rVV	9414	16615	1.31%	0.146%
69	12.195	1685	1688	1692	rVV	8441	12596	1.00%	0.111%
70	12.237	1692	1695	1707	rVV3	4573	9653	0.76%	0.085%
71	12.341	1707	1712	1722	rVB3	5357	10052	0.79%	0.088%
72	12.445	1723	1729	1738	rBV	17817	36250	2.87%	0.318%
73	12.554	1742	1747	1752	rVV2	17225	31477	2.49%	0.276%
74	12.609	1752	1756	1761	rVV	8470	14212	1.12%	0.125%
75	12.689	1761	1769	1776	rVV	226959	388144	30.69%	3.405%
76	12.756	1776	1780	1785	rVB3	4459	7519	0.59%	0.066%

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Title : VOC Analysis

77	12.890	1796	1802	1806	rBV8	1750	3950	0.31%	0.035%
78	12.926	1806	1808	1810	rVV2	1589	1900	0.15%	0.017%
79	12.969	1810	1815	1824	rVB	39607	63294	5.00%	0.555%
80	13.115	1835	1839	1848	rVB6	3883	9496	0.75%	0.083%
81	13.310	1865	1871	1879	rVB4	16263	36428	2.88%	0.320%
82	13.396	1880	1885	1891	rBV4	11121	18529	1.46%	0.163%
83	13.457	1891	1895	1900	rBV4	5600	10220	0.81%	0.090%
84	13.554	1905	1911	1919	rBV	750291	1223570	96.73%	10.735%
85	13.646	1921	1926	1933	rBV	145743	241403	19.08%	2.118%
86	13.853	1953	1960	1967	rBV	604943	1012377	80.03%	8.882%
87	13.981	1978	1981	1984	rVB3	5248	6900	0.55%	0.061%
88	14.066	1992	1995	2004	rVB2	10887	19635	1.55%	0.172%
89	14.219	2012	2020	2028	rBV9	11014	34496	2.73%	0.303%
90	14.298	2029	2033	2034	rVV2	8086	10994	0.87%	0.096%
91	14.322	2034	2037	2045	rVB	28275	43903	3.47%	0.385%
92	14.524	2062	2070	2083	rBV	166841	265548	20.99%	2.330%
93	15.200	2179	2181	2185	rVV	9503	13779	1.09%	0.121%
94	15.249	2185	2189	2196	rVB3	31033	55932	4.42%	0.491%
95	15.402	2210	2214	2220	rVB4	7979	14243	1.13%	0.125%
96	15.798	2275	2279	2284	rVB5	5049	9169	0.72%	0.080%
97	15.889	2290	2294	2300	rVB8	3525	6175	0.49%	0.054%
98	16.103	2323	2329	2338	rVB7	7760	20323	1.61%	0.178%
99	16.346	2367	2369	2371	rBV3	1514	1883	0.15%	0.017%
100	16.450	2382	2386	2397	rBV3	2412	6772	0.54%	0.059%

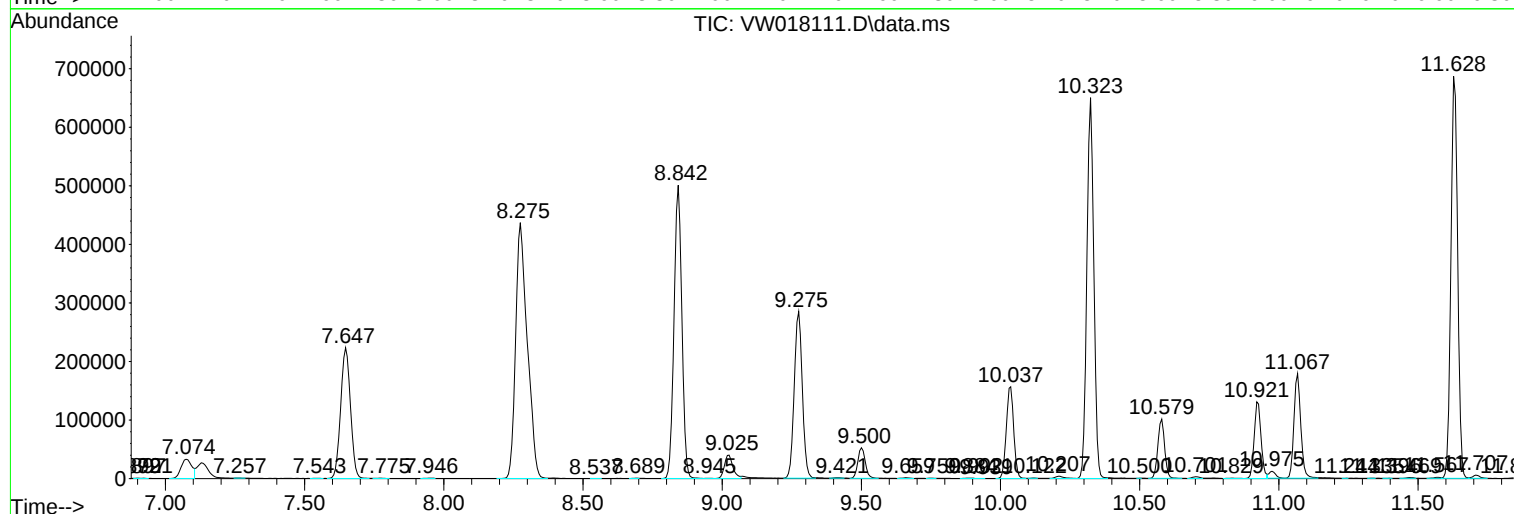
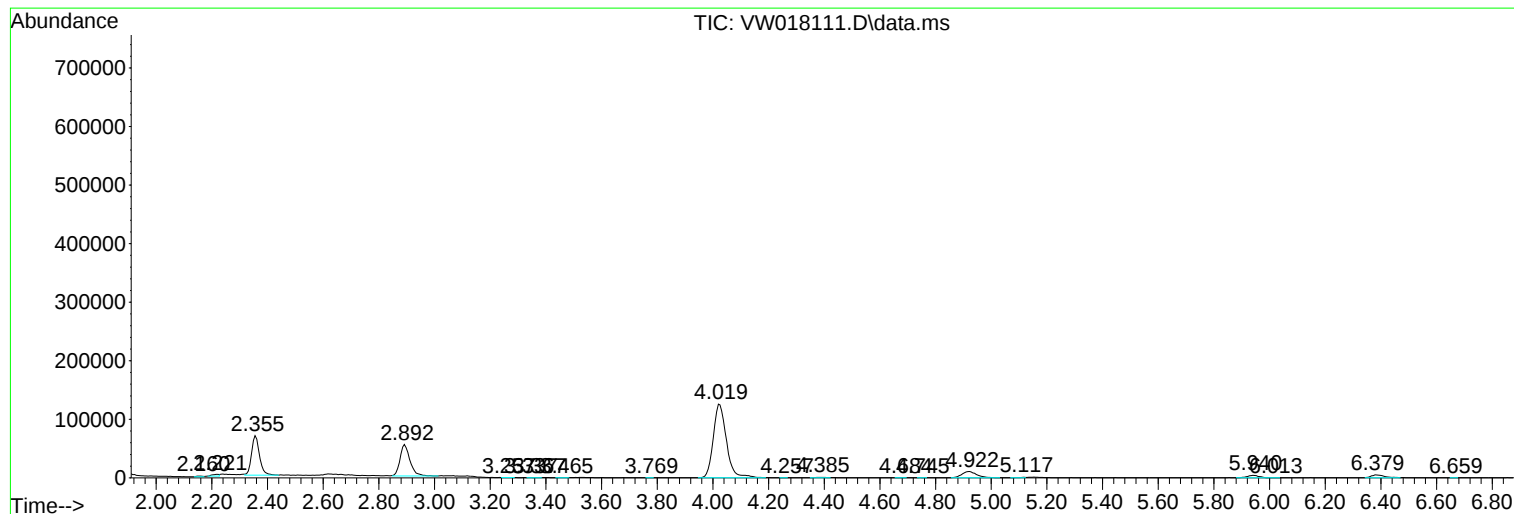
Sum of corrected areas: 11397738

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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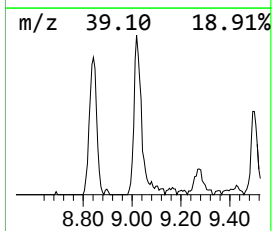
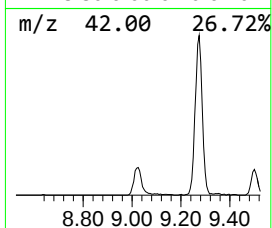
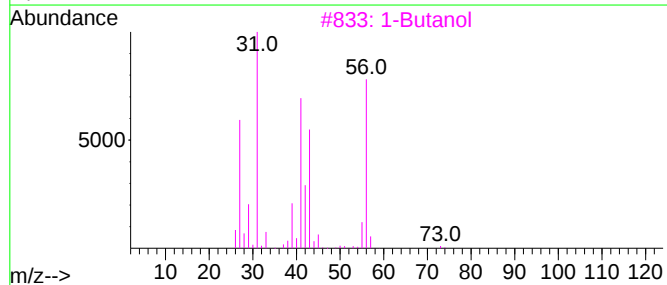
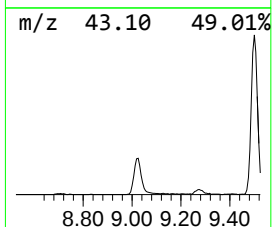
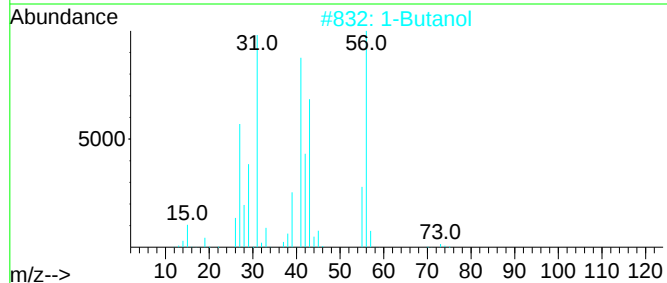
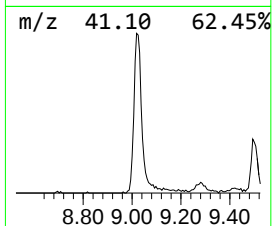
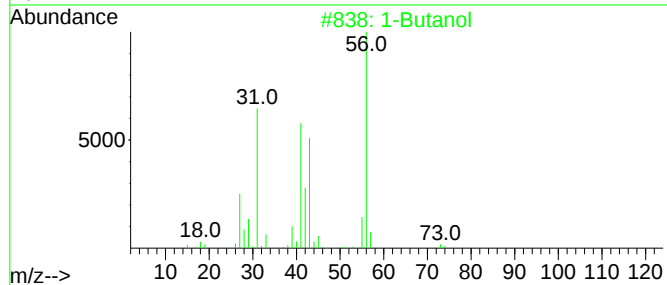
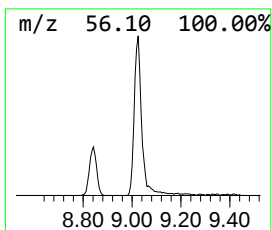
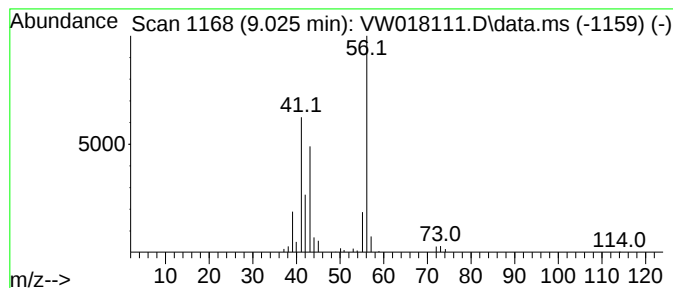
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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

Peak Number 1 1-Butanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.025	2.16 ug/L	84529	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol			74	C4H10O	000071-36-3	90
2	1-Butanol			74	C4H10O	000071-36-3	83
3	1-Butanol			74	C4H10O	000071-36-3	64
4	1-Butanol			74	C4H10O	000071-36-3	43
5	2H-Pyran-2-one, tetrahydro-5,6-d...			128	C7H12O2	024405-16-1	38



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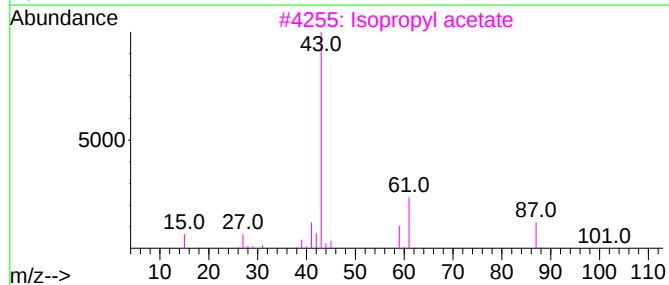
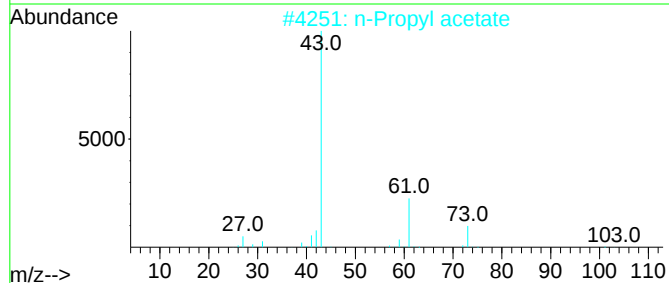
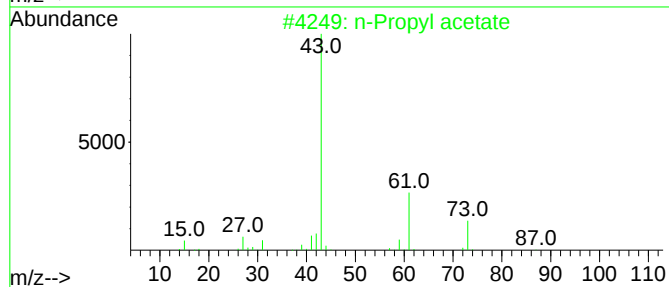
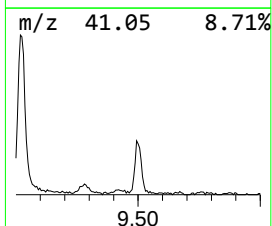
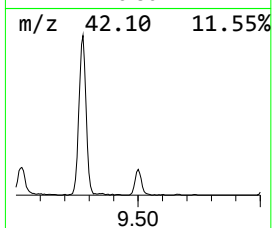
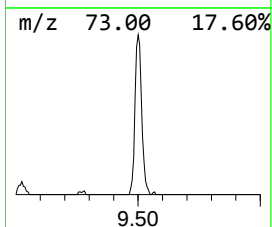
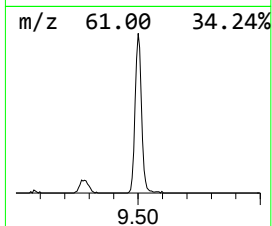
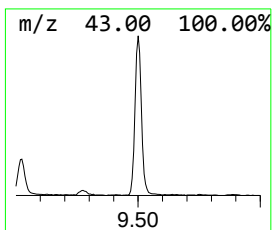
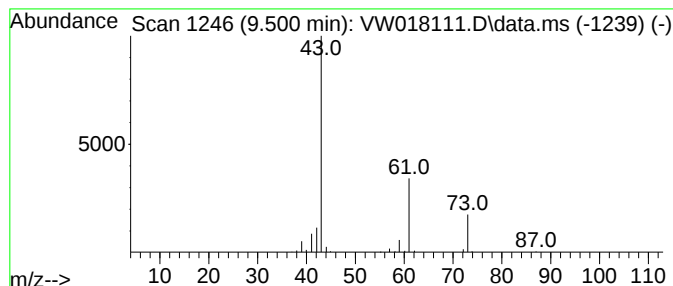
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 n-Propyl acetate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.500	2.45 ug/L	96131	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Propyl acetate	102	C5H10O2	000109-60-4	83
2			n-Propyl acetate	102	C5H10O2	000109-60-4	83
3			Isopropyl acetate	102	C5H10O2	000108-21-4	36
4			Propanal, 2,3-dihydroxy-, (S)-	90	C3H6O3	000497-09-6	36
5			Isobutylamine	73	C4H11N	000078-81-9	9



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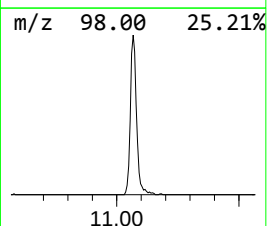
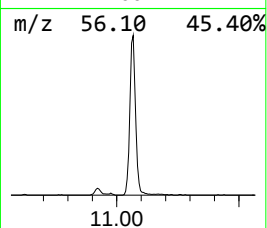
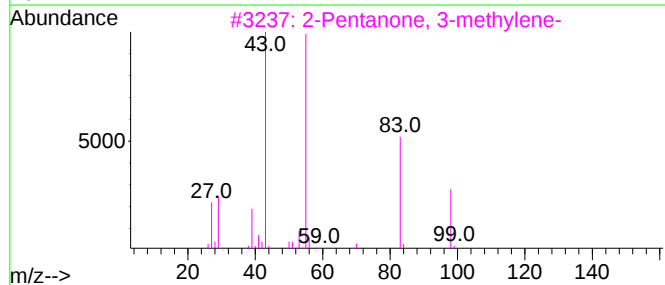
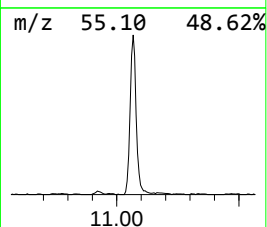
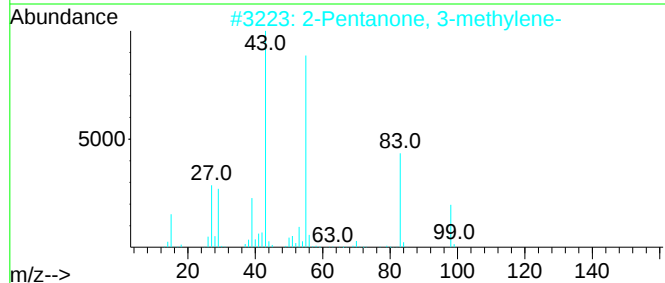
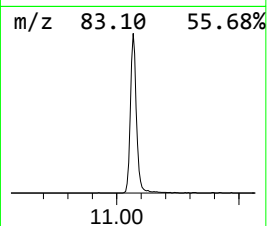
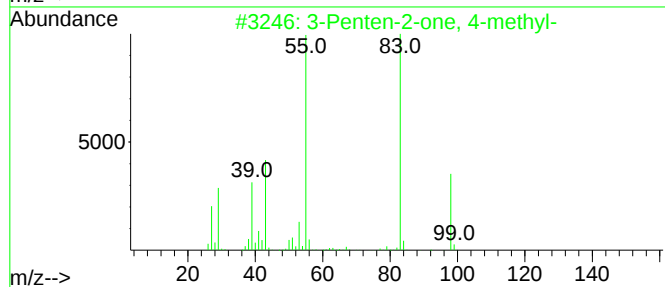
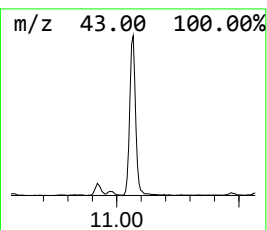
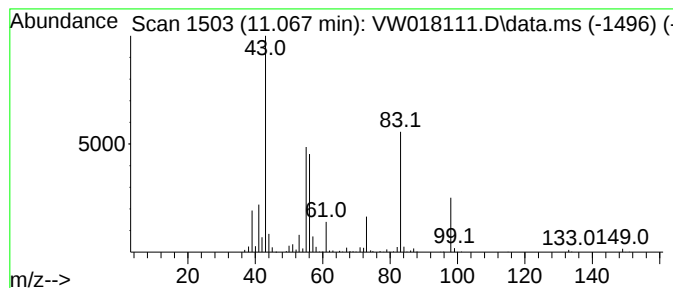
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TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.067	6.49 ug/L	300724	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	43
2			2-Pentanone, 3-methylene-	98	C6H10O	004359-77-7	43
3			2-Pentanone, 3-methylene-	98	C6H10O	004359-77-7	43
4			3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	38
5			Acetic acid, butyl ester	116	C6H12O2	000123-86-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
Data File : VW018111.D
Acq On : 12 Feb 2021 15:35
Operator : SY/VA
Sample : M1371-19
Misc : 4.40G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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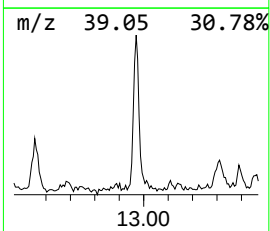
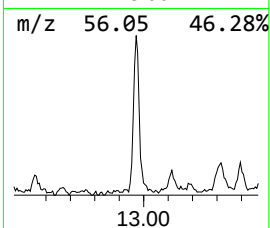
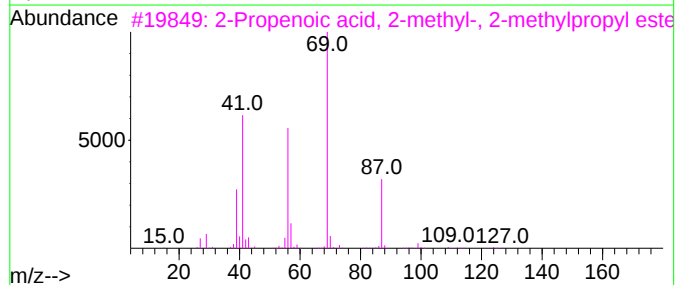
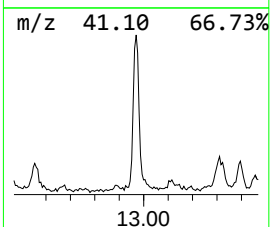
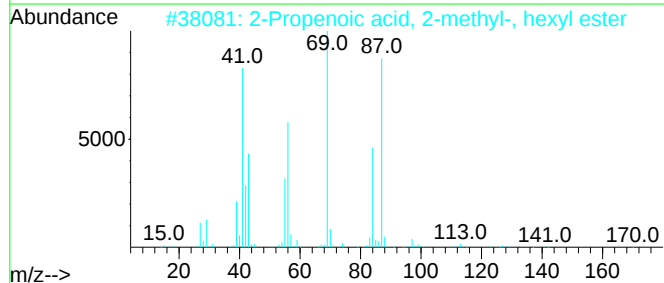
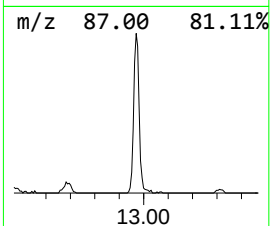
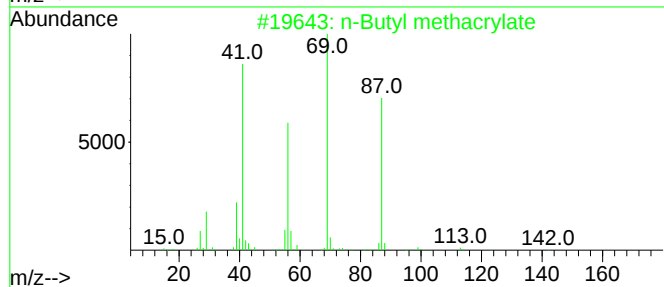
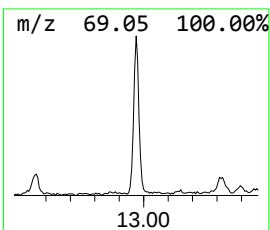
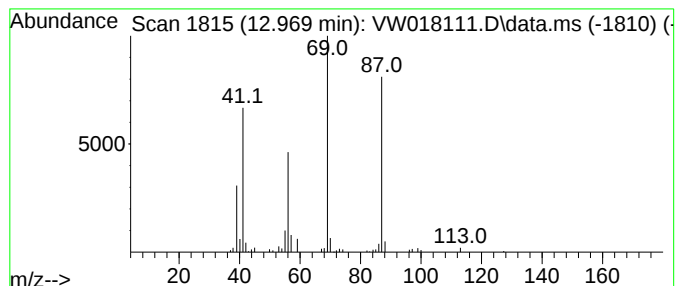
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Quant Title : VOC Analysis

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

Peak Number 5 n-Butyl methacrylate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.969	1.29 ug/L	63294	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Butyl methacrylate	142	C8H14O2	000097-88-1	83
2			2-Propenoic acid, 2-methyl-, hex...	170	C10H18O2	000142-09-6	78
3			2-Propenoic acid, 2-methyl-, 2-m...	142	C8H14O2	000097-86-9	74
4			2-Propenoic acid, 2-methyl-, hex...	170	C10H18O2	000142-09-6	74
5			2-Propenoic acid, 2-methyl-, hex...	170	C10H18O2	000142-09-6	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
Data File : VW018111.D
Acq On : 12 Feb 2021 15:35
Operator : SY/VA
Sample : M1371-19
Misc : 4.40G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBH33

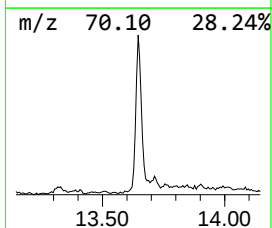
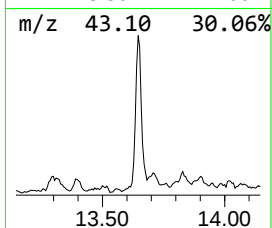
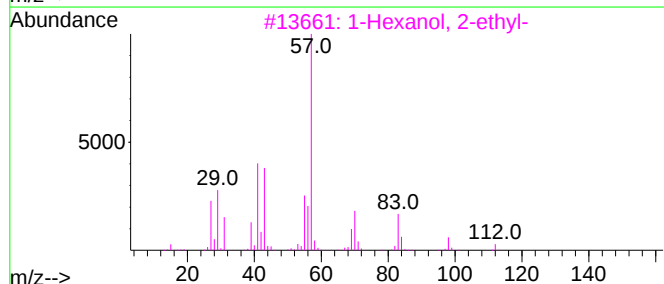
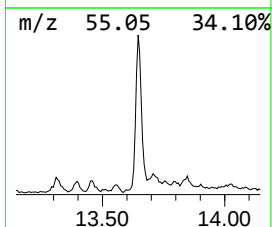
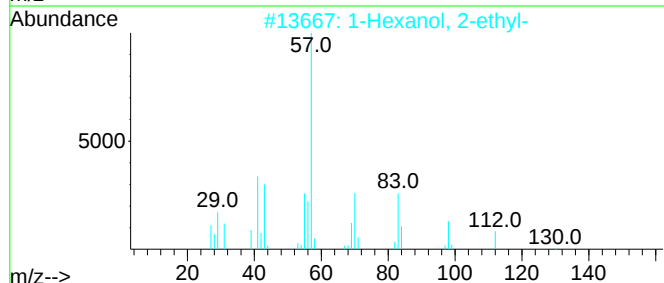
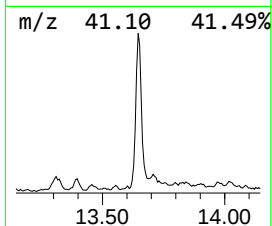
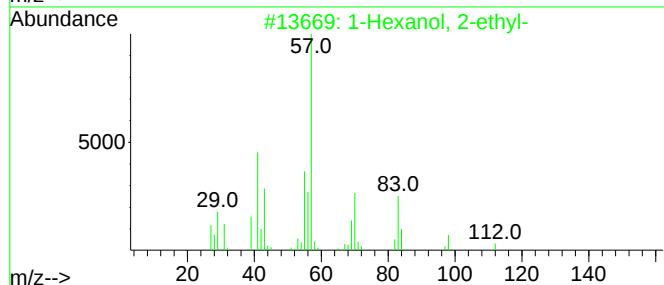
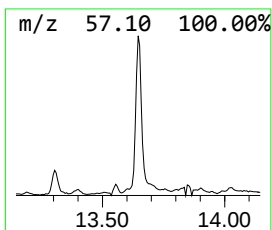
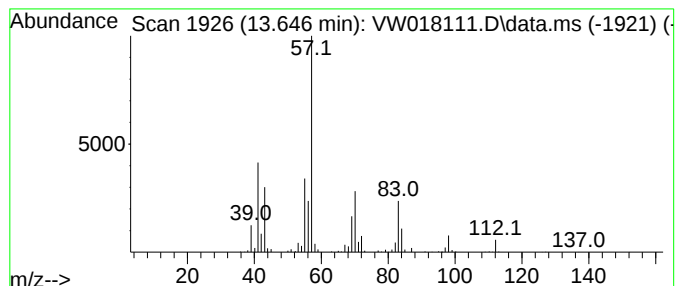
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Quant Title : VOC Analysis

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

Peak Number 6 1-Hexanol, 2-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.646	4.93 ug/L	241403	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	90
2			1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
3			1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
4			2-Propyl-1-pentanol	130	C8H18O	058175-57-8	59
5			2-Propyl-1-pentanol	130	C8H18O	058175-57-8	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
Data File : VW018111.D
Acq On : 12 Feb 2021 15:35
Operator : SY/VA
Sample : M1371-19
Misc : 4.40G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBH33

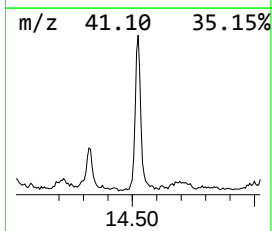
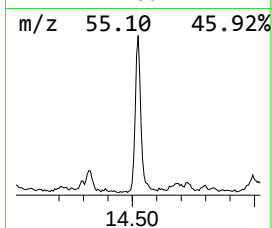
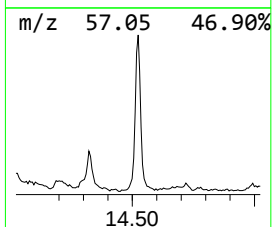
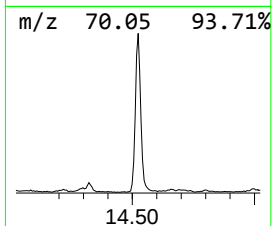
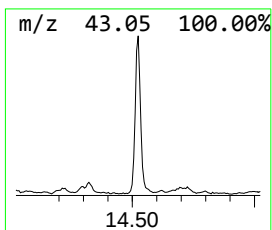
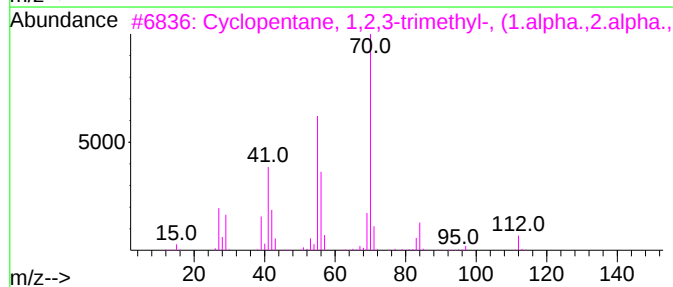
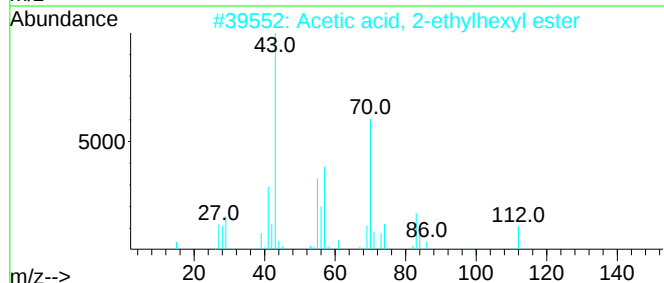
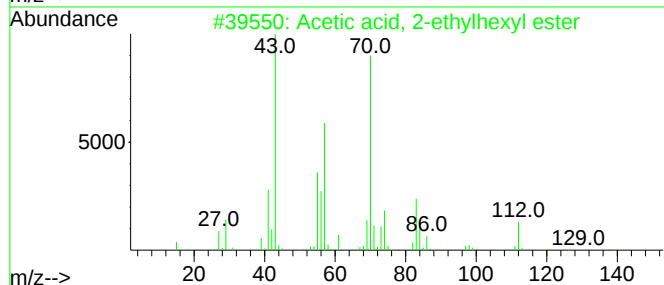
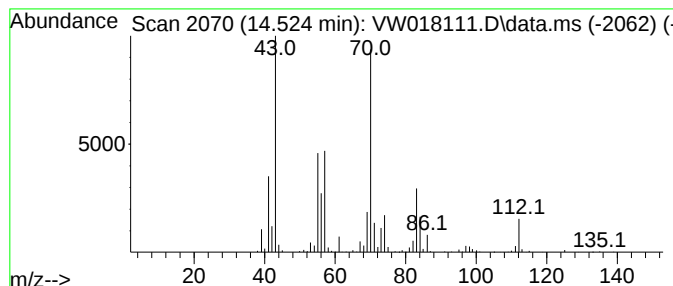
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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

Peak Number 7 Acetic acid, 2-ethylhexyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.524	5.43 ug/L	265548	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetic acid, 2-ethylhexyl ester	172	C10H20O2	000103-09-3	90
2			Acetic acid, 2-ethylhexyl ester	172	C10H20O2	000103-09-3	90
3			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	76
4			3-Methylheptyl acetate	172	C10H20O2	072218-58-7	74
5			Carbonic acid, propargyl 2-ethyl...	212	C12H20O3	1000357-90-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
Data File : VW018111.D
Acq On : 12 Feb 2021 15:35
Operator : SY/VA
Sample : M1371-19
Misc : 4.40G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBH33

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
1-Butanol	9.025	2.2	ug/L	84529	1	8.842	979886	25.0
n-Propyl acetate	9.500	2.5	ug/L	96131	1	8.842	979886	25.0
unknown-01	11.067	6.5	ug/L	300724	2	11.628	1159000	25.0
n-Butyl methacr...	12.969	1.3	ug/L	63294	3	13.560	1223570	25.0
1-Hexanol, 2-et...	13.646	4.9	ug/L	241403	3	13.560	1223570	25.0
Acetic acid, 2-...	14.524	5.4	ug/L	265548	3	13.560	1223570	25.0