

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031921\
 Data File : VW018393.D
 Acq On : 19 Mar 2021 16:52
 Operator : SY/VA
 Sample : M1685-22
 Misc : 5.92G/10ML/MSVOA_W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4H0

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: VW018393.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.367	69	76	91	rBV2	1056996	2390680	2.95%	2.548%
2	2.495	93	97	106	rVB	28474	63334	0.08%	0.068%
3	2.892	156	162	177	rVB	101149	252543	0.31%	0.269%
4	3.306	228	230	232	rVB3	1932	1221	0.00%	0.001%
5	3.385	240	243	245	rBV3	1219	1855	0.00%	0.002%
6	3.599	276	278	282	rVV4	1176	1650	0.00%	0.002%
7	3.757	302	304	308	rVB4	723	1012	0.00%	0.001%
8	3.800	308	311	314	rVB4	1185	1237	0.00%	0.001%
9	4.025	334	348	359	rBV3	178059	673986	0.83%	0.718%
10	4.117	359	363	376	rVB	32805	88679	0.11%	0.095%
11	4.391	397	408	418	rBV2	13297	42161	0.05%	0.045%
12	4.928	484	496	510	rBV2	22462	82633	0.10%	0.088%
13	5.050	515	516	521	rBV3	763	945	0.00%	0.001%
14	5.422	564	577	593	rBV	180233	557830	0.69%	0.595%
15	5.574	600	602	605	rVV3	1008	1076	0.00%	0.001%
16	5.781	627	636	652	rVV4	13008	42291	0.05%	0.045%
17	5.897	652	655	656	rVV2	1230	1103	0.00%	0.001%
18	5.946	656	663	670	rVV6	7399	21046	0.03%	0.022%
19	6.098	686	688	690	rBV2	1373	1390	0.00%	0.001%
20	6.135	692	694	697	rVV2	1382	1259	0.00%	0.001%
21	6.568	764	765	773	rVB4	696	1460	0.00%	0.002%
22	6.726	789	791	796	rVB4	642	927	0.00%	0.001%
23	6.897	809	819	830	rBV2	33275	90536	0.11%	0.096%
24	7.001	831	836	840	rBV7	2156	4144	0.01%	0.004%
25	7.080	841	849	852	rBV2	39347	93541	0.12%	0.100%
26	7.165	852	863	899	rVB	32610425	81128189	100.00%	86.467%
27	7.647	933	942	956	rVB	243866	588229	0.73%	0.627%
28	7.939	987	990	991	rBV3	1470	1359	0.00%	0.001%
29	8.067	1009	1011	1014	rBV4	823	925	0.00%	0.001%
30	8.275	1035	1045	1061	rBV3	463890	1400573	1.73%	1.493%
31	8.586	1083	1096	1104	rVV8	10384	39346	0.05%	0.042%
32	8.708	1107	1116	1124	rBV5	6709	17716	0.02%	0.019%
33	8.842	1129	1138	1151	rBV	375489	762454	0.94%	0.813%
34	9.092	1173	1179	1186	rVB6	6534	13788	0.02%	0.015%
35	9.275	1199	1209	1219	rBV	306305	650796	0.80%	0.694%
36	9.409	1224	1231	1243	rVV	56381	110680	0.14%	0.118%

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

37	9.512	1245	1248	1250	rVV2	1242	1074	0.00%	0.001%
38	9.665	1268	1273	1281	rVV9	2201	4811	0.01%	0.005%
39	9.744	1283	1286	1288	rBV4	727	902	0.00%	0.001%
40	9.817	1294	1298	1299	rBV3	777	928	0.00%	0.001%
41	9.957	1316	1321	1323	rBV6	1069	1620	0.00%	0.002%
42	10.037	1326	1334	1344	rVB	172517	309488	0.38%	0.330%
43	10.122	1344	1348	1355	rVB7	1783	3685	0.00%	0.004%
44	10.213	1358	1363	1365	rBV4	811	1008	0.00%	0.001%
45	10.323	1371	1381	1390	rBV	640866	1113911	1.37%	1.187%
46	10.427	1395	1398	1403	rVB6	3525	5280	0.01%	0.006%
47	10.494	1405	1409	1410	rBV3	1239	1591	0.00%	0.002%
48	10.579	1415	1423	1429	rBV	104821	188717	0.23%	0.201%
49	10.634	1430	1432	1437	rVB2	4990	5854	0.01%	0.006%
50	10.701	1437	1443	1452	rVB	11482	19266	0.02%	0.021%
51	10.799	1456	1459	1460	rBV2	1364	1121	0.00%	0.001%
52	10.860	1463	1469	1474	rBV3	20389	33942	0.04%	0.036%
53	10.921	1474	1479	1486	rBV	155469	267940	0.33%	0.286%
54	11.073	1498	1504	1517	rBV3	44596	80256	0.10%	0.086%
55	11.171	1517	1520	1526	rVB5	2026	3706	0.00%	0.004%
56	11.384	1553	1555	1561	rVV6	1642	2118	0.00%	0.002%
57	11.433	1561	1563	1566	rVB4	1327	1408	0.00%	0.002%
58	11.536	1572	1580	1582	rBV7	2090	5314	0.01%	0.006%
59	11.628	1588	1595	1606	rVB	453375	785328	0.97%	0.837%
60	11.835	1626	1629	1638	rVB7	3457	7053	0.01%	0.008%
61	12.018	1655	1659	1665	rVB6	1958	4937	0.01%	0.005%
62	12.164	1680	1683	1685	rBV4	1840	2243	0.00%	0.002%
63	12.231	1690	1694	1701	rBV3	3860	6923	0.01%	0.007%
64	12.335	1704	1711	1723	rBV	76488	129367	0.16%	0.138%
65	12.603	1747	1755	1761	rBV2	43191	74945	0.09%	0.080%
66	12.689	1763	1769	1779	rVB	228176	383801	0.47%	0.409%
67	12.932	1799	1809	1814	rVV5	5729	11903	0.01%	0.013%
68	13.079	1831	1833	1839	rVB5	2157	3232	0.00%	0.003%
69	13.195	1849	1852	1856	rVB4	1994	2563	0.00%	0.003%
70	13.292	1860	1868	1877	rVB9	5527	14730	0.02%	0.016%
71	13.396	1877	1885	1893	rBV3	17844	30698	0.04%	0.033%
72	13.469	1893	1897	1899	rBV4	1844	2632	0.00%	0.003%
73	13.554	1905	1911	1918	rBV	311718	495214	0.61%	0.528%
74	13.743	1940	1942	1943	rBV2	1459	1121	0.00%	0.001%
75	13.762	1943	1945	1948	rVB3	1872	1560	0.00%	0.002%
76	13.853	1953	1960	1967	rVV	330486	545569	0.67%	0.581%

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Title : VOC Analysis

77	14.012	1981	1986	1990	rBV6	4166	7990	0.01%	0.009%
78	14.066	1990	1995	2007	rVB	25014	43542	0.05%	0.046%
79	14.322	2031	2037	2049	rVV7	10756	20345	0.03%	0.022%
80	14.524	2065	2070	2077	rVB7	1828	3776	0.00%	0.004%
81	14.725	2098	2103	2107	rVB5	4533	7810	0.01%	0.008%
82	14.774	2107	2111	2113	rBV4	695	1147	0.00%	0.001%
83	14.877	2125	2128	2133	rVB5	1275	2008	0.00%	0.002%
84	14.956	2138	2141	2143	rBV3	982	1159	0.00%	0.001%
85	15.097	2162	2164	2167	rBV3	1574	1717	0.00%	0.002%
86	15.176	2172	2177	2181	rVV8	2531	4354	0.01%	0.005%
87	15.225	2184	2185	2188	rVV3	923	999	0.00%	0.001%
88	15.255	2188	2190	2193	rVB4	1314	1098	0.00%	0.001%
89	15.395	2208	2213	2216	rBV7	2291	3490	0.00%	0.004%
90	15.487	2223	2228	2234	rBV	6830	10927	0.01%	0.012%
91	15.548	2234	2238	2243	rBV5	2086	2574	0.00%	0.003%
92	15.658	2253	2256	2257	rBV3	1439	1393	0.00%	0.001%
93	15.688	2257	2261	2265	rVB6	1784	3126	0.00%	0.003%
94	15.755	2268	2272	2273	rBV3	2132	2705	0.00%	0.003%
95	15.840	2284	2286	2293	rVB8	2315	3113	0.00%	0.003%
96	16.036	2315	2318	2319	rBV3	944	1031	0.00%	0.001%
97	16.395	2375	2377	2380	rVB2	1075	1208	0.00%	0.001%
98	16.444	2381	2385	2387	rVV4	1129	1625	0.00%	0.002%
99	16.487	2388	2392	2400	rVB9	3627	6748	0.01%	0.007%
100	16.657	2417	2420	2421	rBV3	1616	1398	0.00%	0.001%

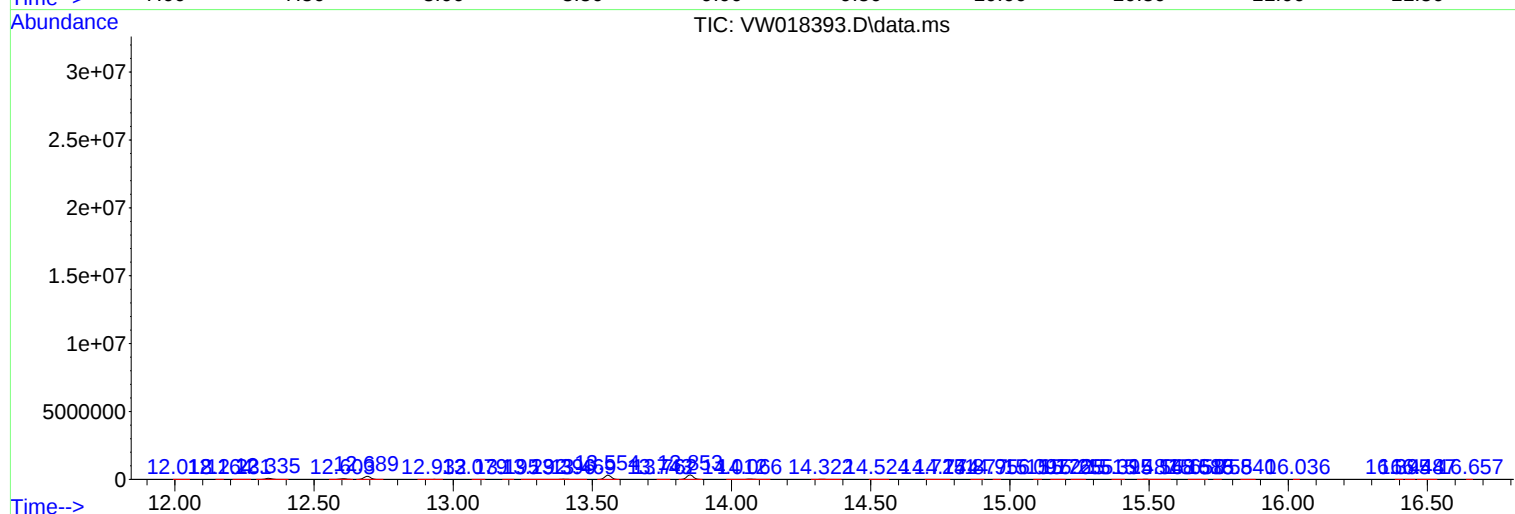
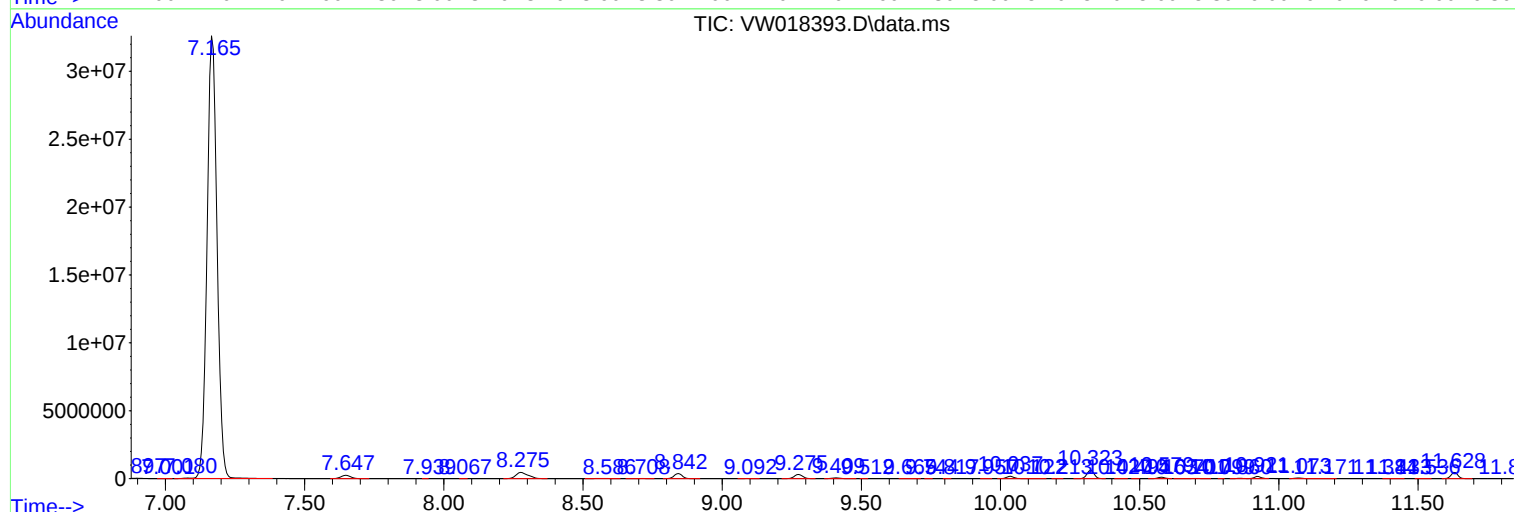
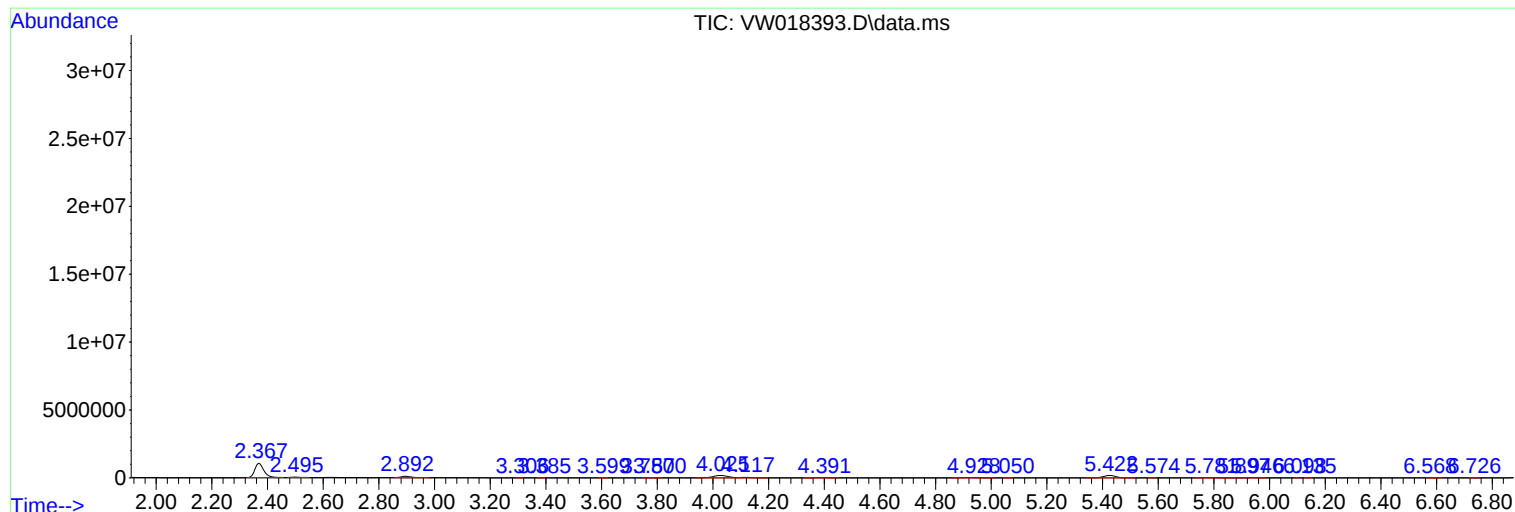
Sum of corrected areas: 93825636

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Instrument :
MSVOA_W
ClientSampleId :
BG4H0

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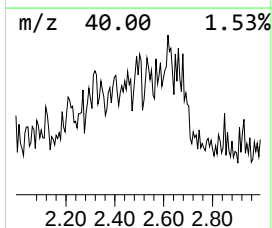
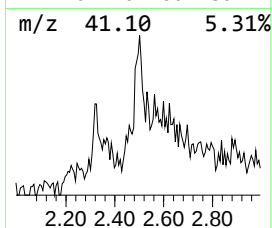
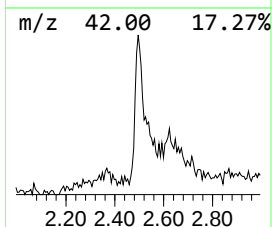
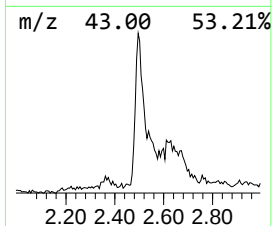
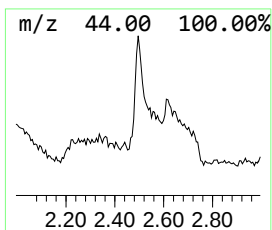
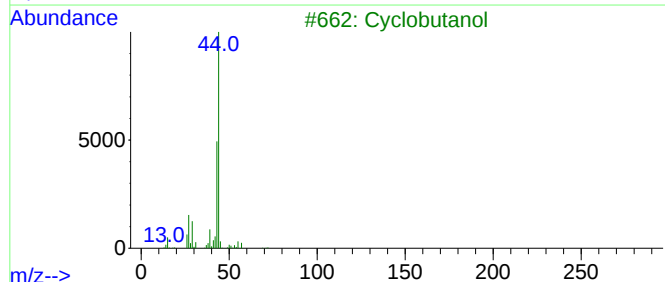
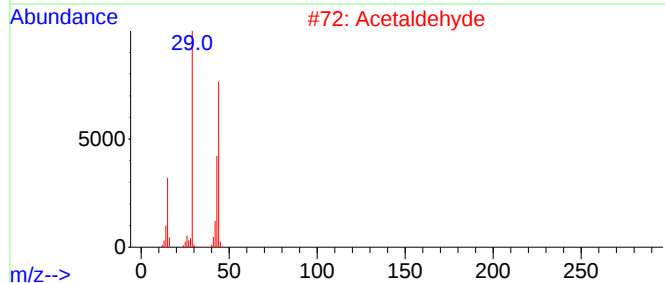
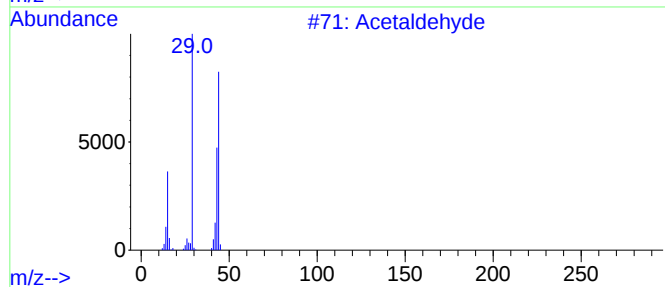
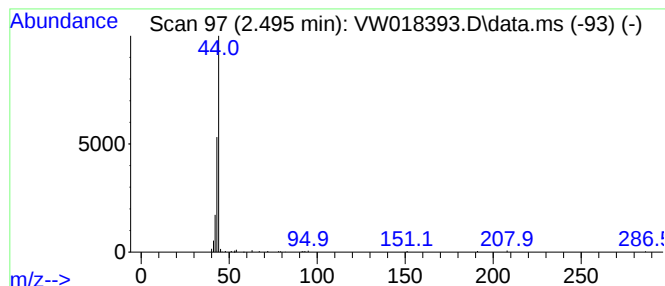
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis

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

Peak Number 1 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.495	2.08 ug/L	63334	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetaldehyde	44	C2H4O	000075-07-0	9
2			Acetaldehyde	44	C2H4O	000075-07-0	9
3			Cyclobutanol	72	C4H8O	002919-23-5	7
4			Propane	44	C3H8	000074-98-6	4
5			Cyclobutanol	72	C4H8O	002919-23-5	4



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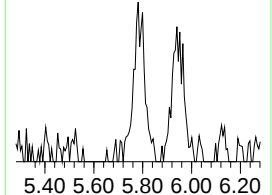
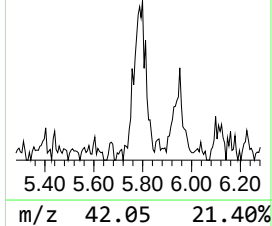
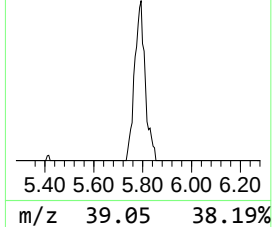
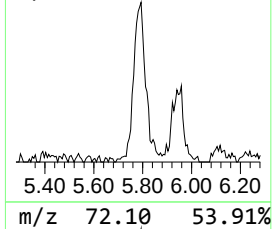
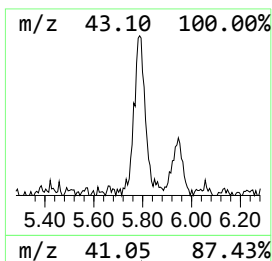
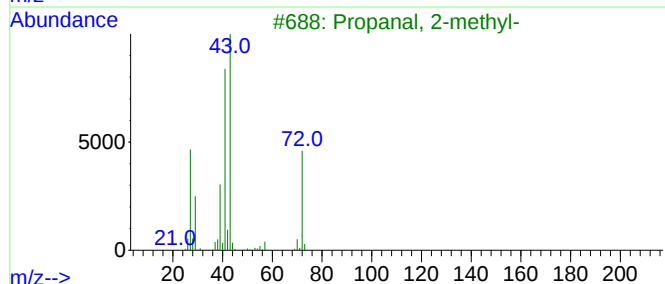
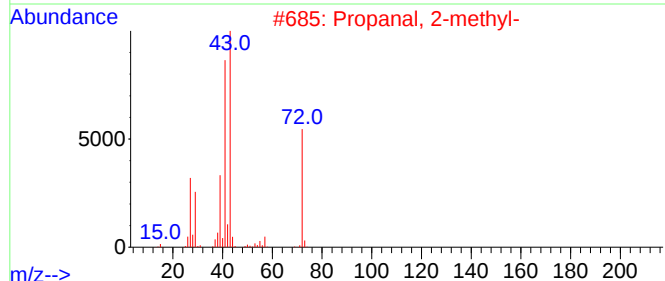
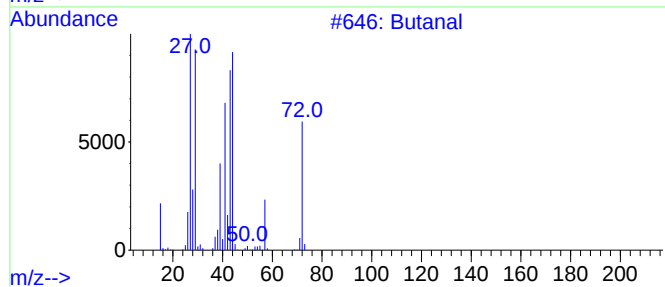
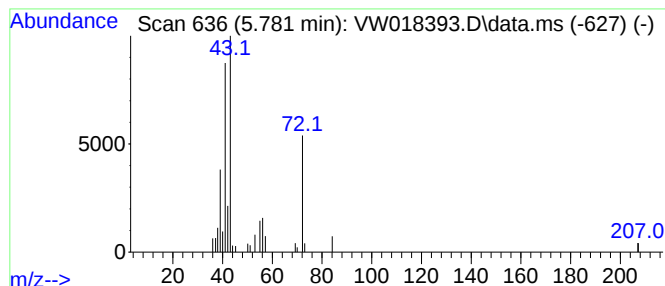
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis

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

Peak Number 2 Propanal, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.781	1.39 ug/L	42291	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butanal	72	C4H8O	000123-72-8	80
2			Propanal, 2-methyl-	72	C4H8O	000078-84-2	72
3			Propanal, 2-methyl-	72	C4H8O	000078-84-2	64
4			3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	47
5			1-Propene, 3-methoxy-	72	C4H8O	000627-40-7	40



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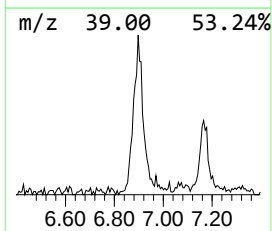
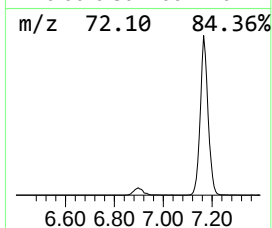
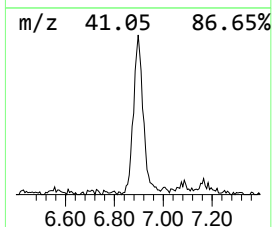
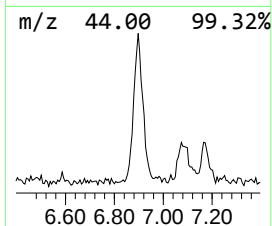
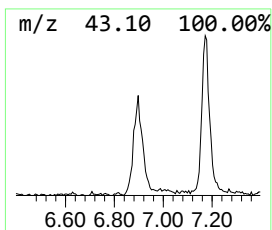
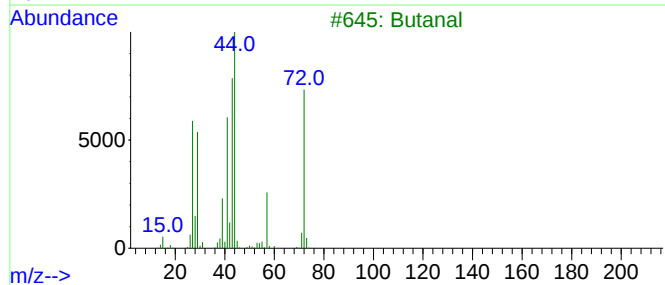
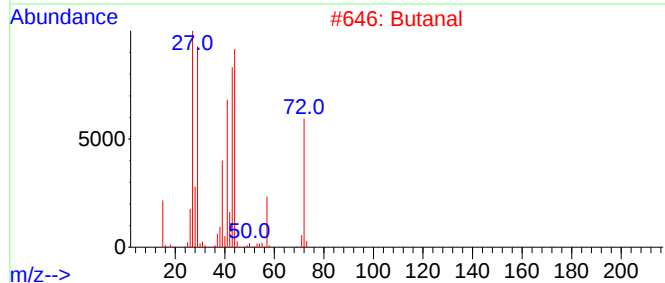
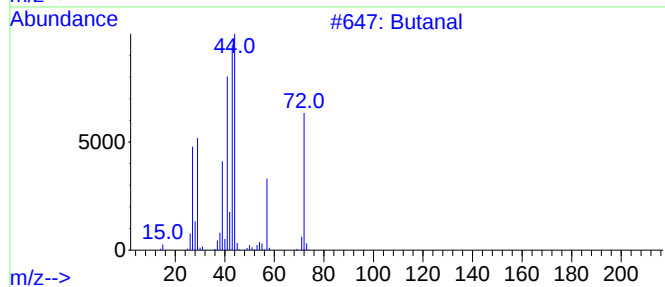
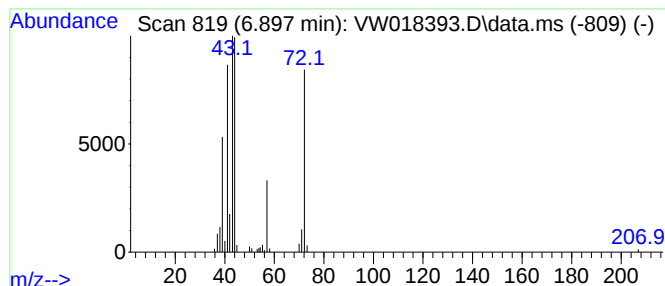
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Butanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.897	2.97 ug/L	90536	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal			72	C4H8O	000123-72-8	94
2	Butanal			72	C4H8O	000123-72-8	91
3	Butanal			72	C4H8O	000123-72-8	45
4	Butanal			72	C4H8O	000123-72-8	43
5	1-Propene, 3-methoxy-			72	C4H8O	000627-40-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031921\
Data File : VW018393.D
Acq On : 19 Mar 2021 16:52
Operator : SY/VA
Sample : M1685-22
Misc : 5.92G/10ML/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4H0

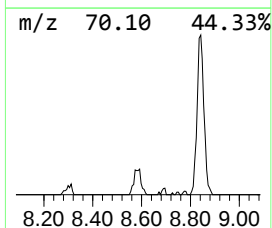
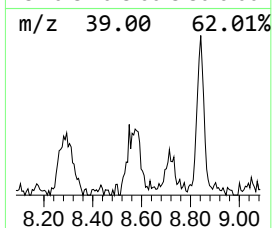
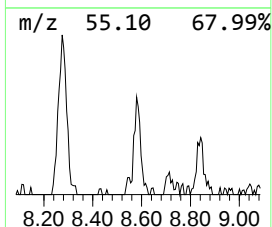
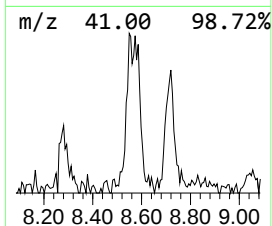
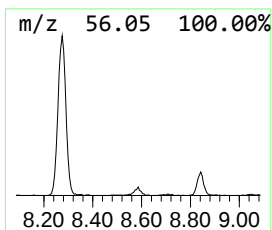
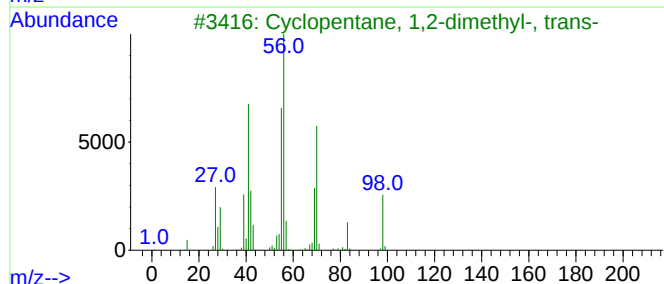
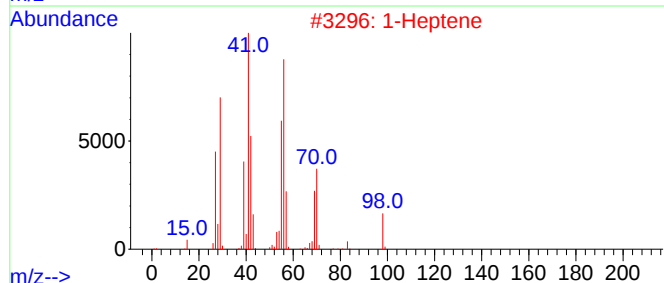
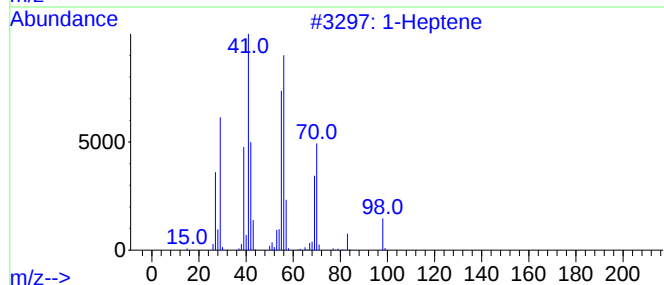
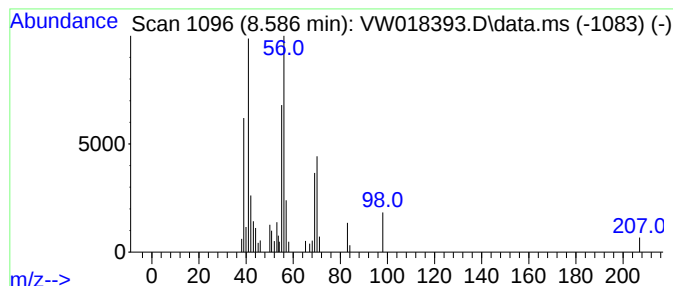
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Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.586	1.29 ug/L	39346	1,4-Difluorobenzene	8.842

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene		98	C7H14	000592-76-7	91
2	1-Heptene		98	C7H14	000592-76-7	83
3	Cyclopentane, 1,2-dimethyl-, trans-		98	C7H14	000822-50-4	64
4	Isopropylcyclobutane		98	C7H14	000872-56-0	64
5	1-Heptene		98	C7H14	000592-76-7	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031921\
Data File : VW018393.D
Acq On : 19 Mar 2021 16:52
Operator : SY/VA
Sample : M1685-22
Misc : 5.92G/10ML/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4H0

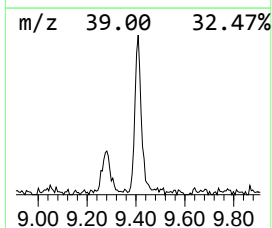
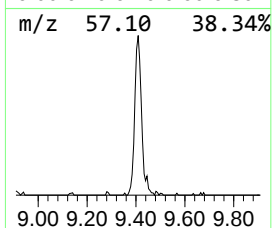
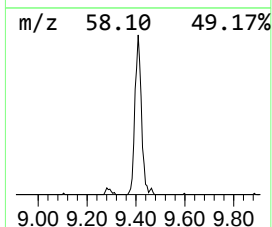
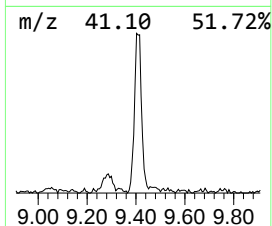
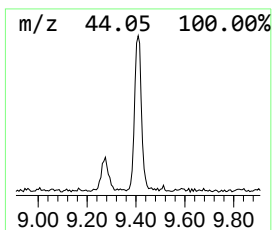
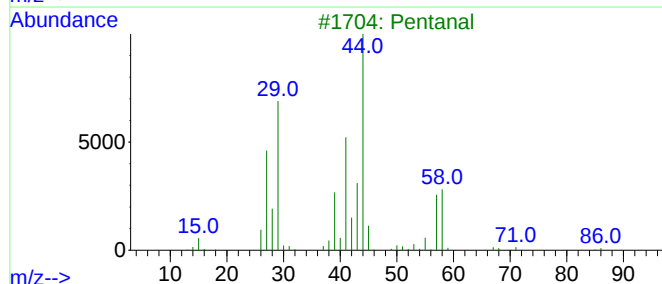
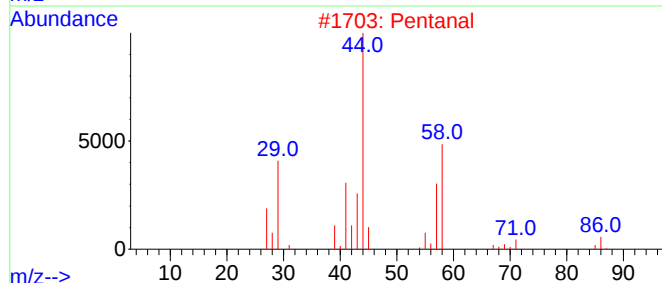
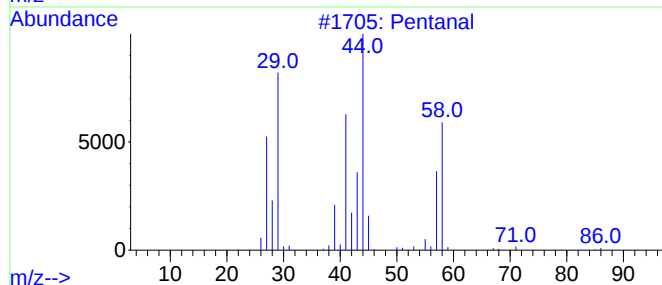
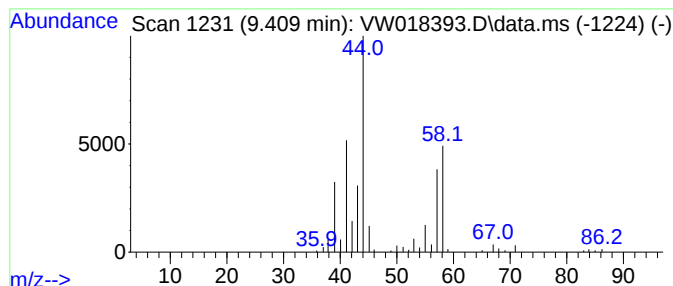
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Quant Title : VOC Analysis

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

Peak Number 5 Pentanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.409	3.63 ug/L	110680	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal			86	C5H10O	000110-62-3	86
2	Pentanal			86	C5H10O	000110-62-3	64
3	Pentanal			86	C5H10O	000110-62-3	64
4	Butanal, 3-methyl-			86	C5H10O	000590-86-3	43
5	Butanal, 3-methyl-			86	C5H10O	000590-86-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031921\
Data File : VW018393.D
Acq On : 19 Mar 2021 16:52
Operator : SY/VA
Sample : M1685-22
Misc : 5.92G/10ML/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4H0

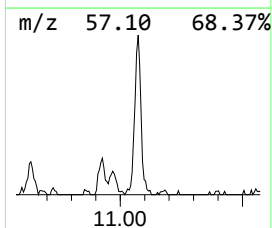
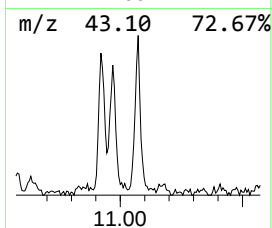
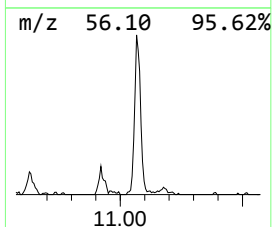
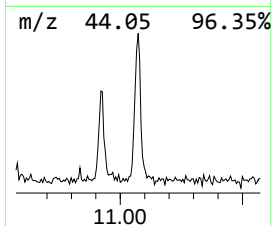
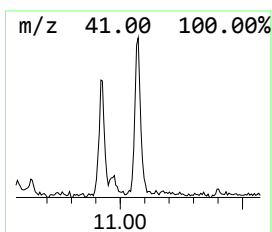
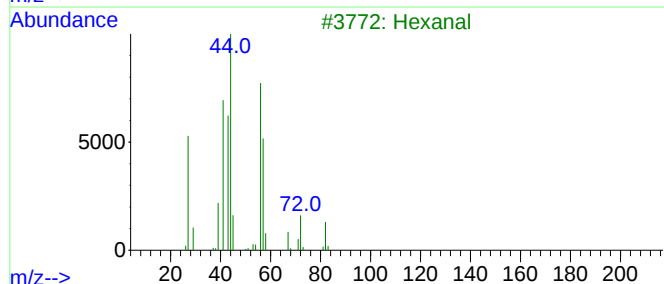
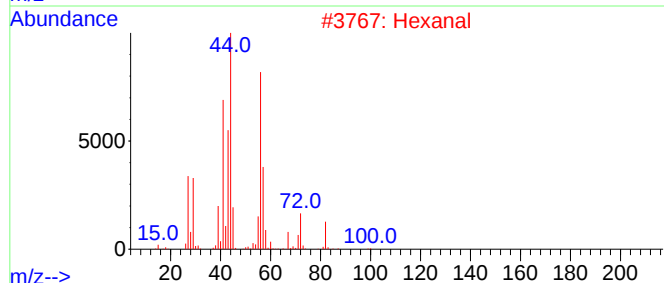
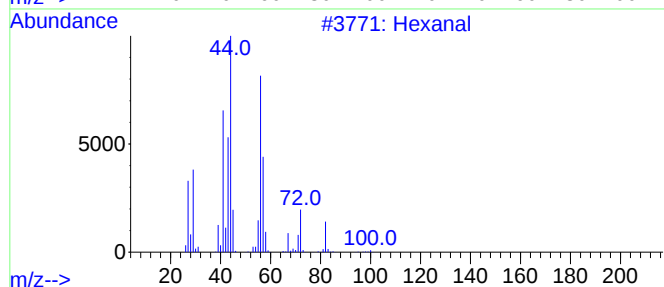
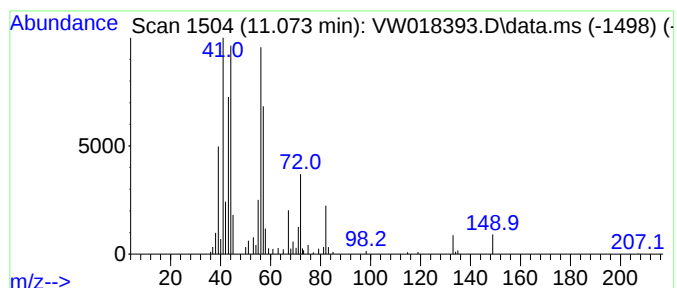
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Quant Title : VOC Analysis

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

Peak Number 7 Hexanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.073	2.55 ug/L	80256	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal			100	C6H12O	000066-25-1	53
2	Hexanal			100	C6H12O	000066-25-1	53
3	Hexanal			100	C6H12O	000066-25-1	50
4	Hexanal			100	C6H12O	000066-25-1	42
5	Butanal			72	C4H8O	000123-72-8	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031921\
Data File : VW018393.D
Acq On : 19 Mar 2021 16:52
Operator : SY/VA
Sample : M1685-22
Misc : 5.92G/10ML/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4H0

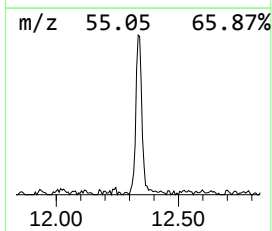
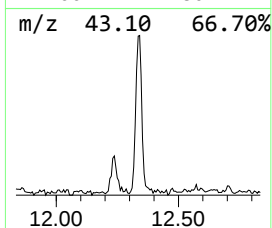
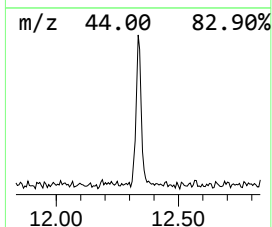
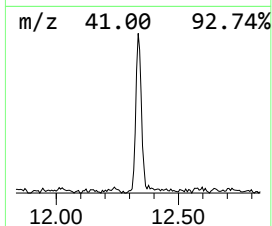
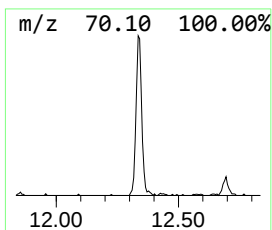
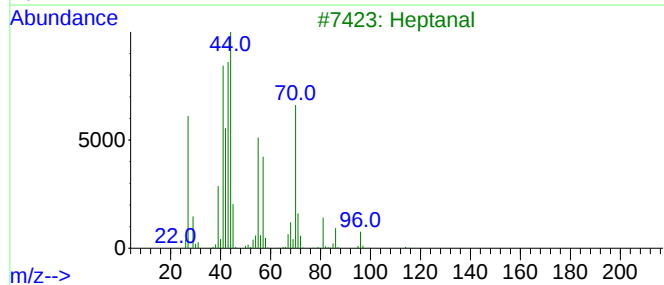
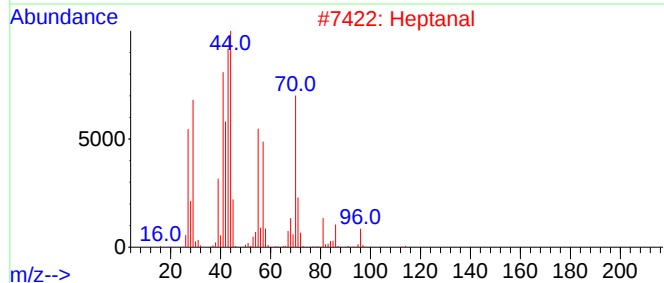
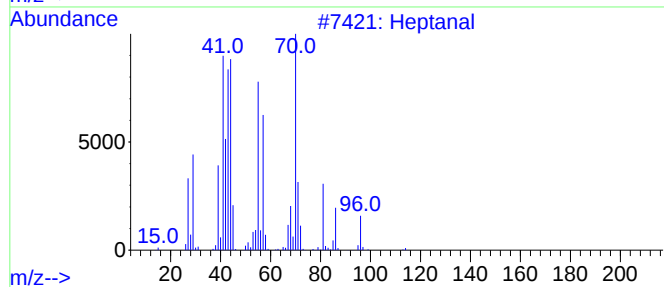
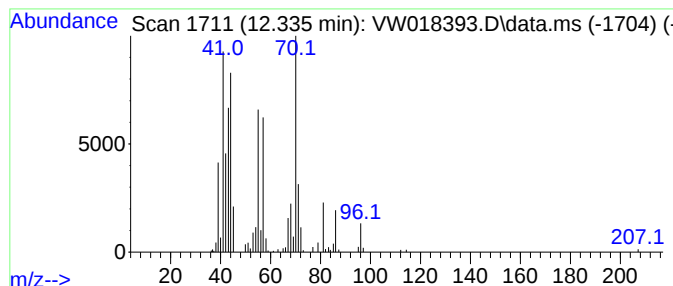
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Quant Title : VOC Analysis

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

Peak Number 8 Heptanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.335	4.12 ug/L	129367	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptanal	114	C7H14O	000111-71-7	96
2			Heptanal	114	C7H14O	000111-71-7	95
3			Heptanal	114	C7H14O	000111-71-7	94
4			Heptanal	114	C7H14O	000111-71-7	81
5			1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031921\
Data File : VW018393.D
Acq On : 19 Mar 2021 16:52
Operator : SY/VA
Sample : M1685-22
Misc : 5.92G/10ML/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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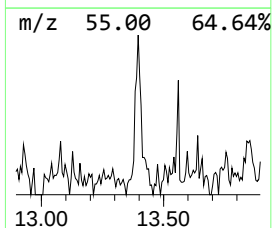
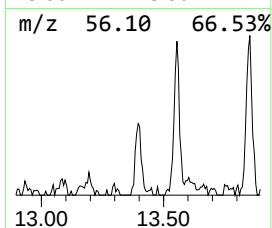
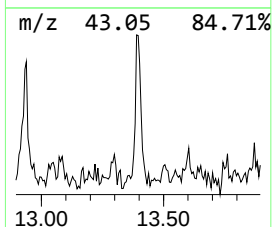
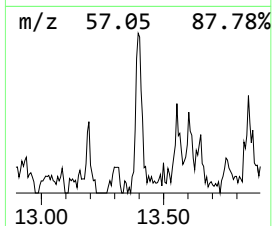
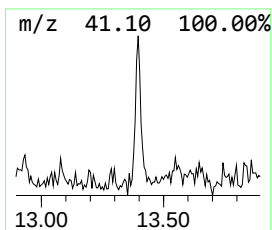
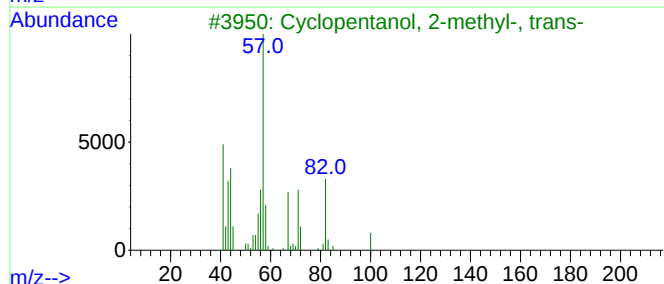
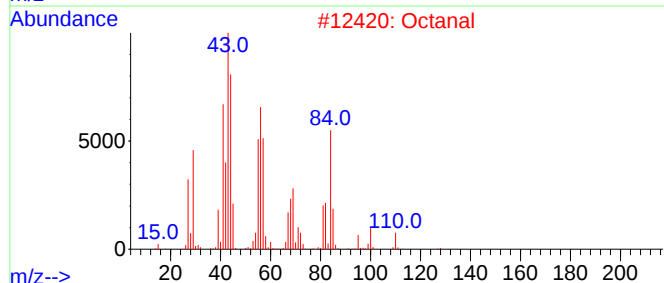
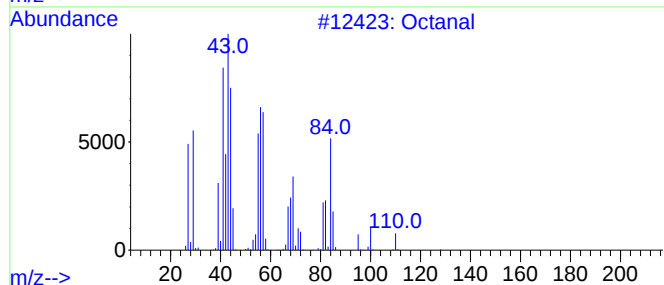
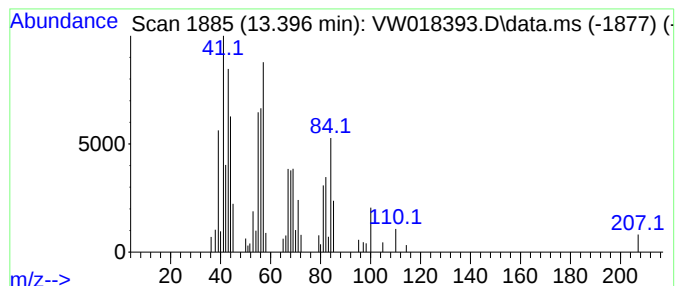
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Quant Title : VOC Analysis

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

Peak Number 10 Octanal Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.396	1.55 ug/L	30698	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal			128	C8H16O	000124-13-0	53
2	Octanal			128	C8H16O	000124-13-0	50
3	Cyclopentanol, 2-methyl-, trans-			100	C6H12O	025144-04-1	50
4	Octanal			128	C8H16O	000124-13-0	43
5	1-Heptafluorobutyryloxy-2-methyl...			298	C10H13F7O2	155089-98-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031921\
Data File : VW018393.D
Acq On : 19 Mar 2021 16:52
Operator : SY/VA
Sample : M1685-22
Misc : 5.92G/10ML/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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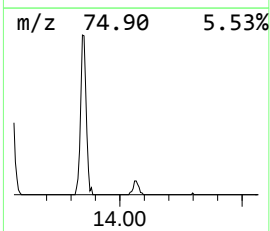
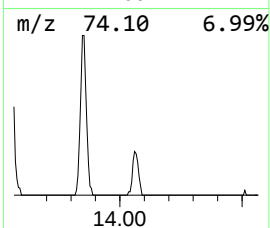
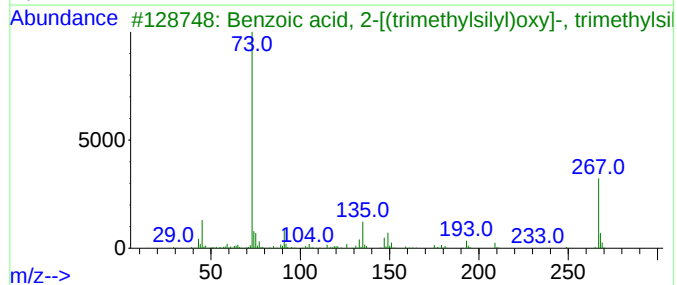
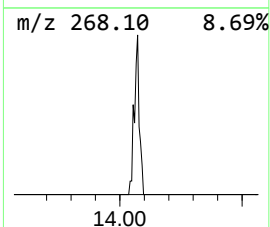
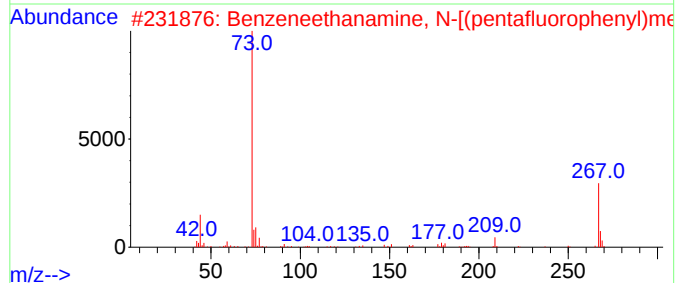
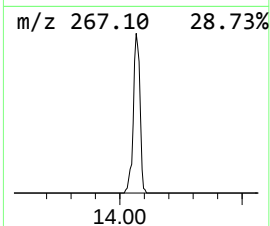
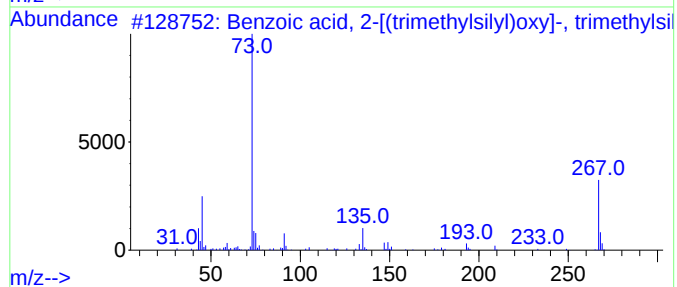
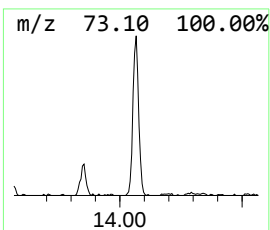
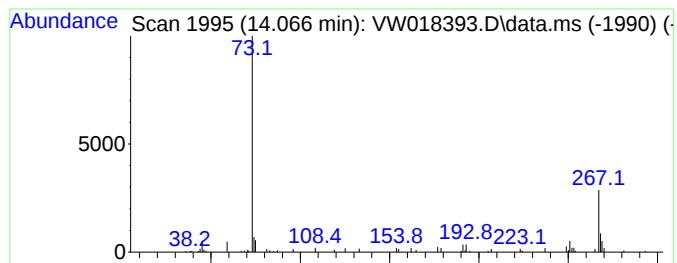
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Quant Title : VOC Analysis

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

Peak Number 11 unknown-02 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.066	2.20 ug/L	43542	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzoic acid, 2-[(trimethylsilyl...]	282	C13H22O3Si2	003789-85-3	45
2			Benzenethanamine, N-[(pentaflu...]	475	C21H26F5NO2Si2	055429-85-1	42
3			Benzoic acid, 2-[(trimethylsilyl...]	282	C13H22O3Si2	003789-85-3	38
4			Trimethylsilyloxyethane, 2-(3-tr...]	282	C14H26O2Si2	1000365-49-0	38
5			Benzoic acid, 2-[(trimethylsilyl...]	282	C13H22O3Si2	003789-85-3	28



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031921\
Data File : VW018393.D
Acq On : 19 Mar 2021 16:52
Operator : SY/VA
Sample : M1685-22
Misc : 5.92G/10ML/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4H0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Propanal, 2-met...	5.781	1.4	ug/L	42291	1	8.842	762454	25.0
Butanal	6.897	3.0	ug/L	90536	1	8.842	762454	25.0
(DEL) Alkane: S...	8.586	1.3	ug/L	39346	1	8.842	762454	25.0
Pentanal	9.409	3.6	ug/L	110680	1	8.842	762454	25.0
Hexanal	11.073	2.5	ug/L	80256	2	11.628	785328	25.0
Heptanal	12.335	4.1	ug/L	129367	2	11.628	785328	25.0
Octanal	13.396	1.6	ug/L	30698	3	13.554	495214	25.0
unknown-02	14.066	2.2	ug/L	43542	3	13.554	495214	25.0