

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103122\
 Data File : VV028780.D
 Acq On : 31 Oct 2022 15:08
 Operator : SY/MD
 Sample : N5301-04
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBXC5

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_V\Method\SFAMVLM103122WMA.M
 Title : VOC Analysis

Signal : TIC: VV028780.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.207	47	52	60	rBV	64014	65553	3.26%	0.279%
2	1.307	76	83	107	rBV2	431641	536698	26.72%	2.286%
3	1.561	157	162	192	rVB	280693	361690	18.01%	1.540%
4	2.101	321	330	340	rBV	498538	705516	35.12%	3.005%
5	2.166	341	350	368	rVB	674941	1036984	51.62%	4.416%
6	2.400	422	423	427	rBV4	1921	920	0.05%	0.004%
7	2.500	444	454	474	rVB	291761	479103	23.85%	2.040%
8	2.625	491	493	494	rBV2	1483	551	0.03%	0.002%
9	2.751	521	532	555	rBV	406517	702865	34.99%	2.993%
10	3.014	609	614	616	rBV6	1719	1516	0.08%	0.006%
11	3.034	616	620	622	rBV6	2615	1708	0.09%	0.007%
12	3.150	652	656	658	rBV5	1098	865	0.04%	0.004%
13	3.166	658	661	663	rBV4	1549	786	0.04%	0.003%
14	3.256	685	689	691	rBV5	1537	1252	0.06%	0.005%
15	3.368	722	724	727	rBV4	1222	800	0.04%	0.003%
16	3.387	728	730	734	rVV5	1499	760	0.04%	0.003%
17	3.432	742	744	745	rBV2	799	296	0.01%	0.001%
18	3.474	754	757	761	rVB5	1928	1474	0.07%	0.006%
19	3.497	761	764	767	rBV4	1647	1121	0.06%	0.005%
20	3.522	770	772	773	rBV2	1199	447	0.02%	0.002%
21	3.577	786	789	791	rBV4	1366	796	0.04%	0.003%
22	3.613	798	800	803	rBV4	1678	1286	0.06%	0.005%
23	3.654	811	813	814	rBV	631	239	0.01%	0.001%
24	3.715	830	832	833	rVB2	1039	280	0.01%	0.001%
25	3.725	833	835	837	rBV2	809	383	0.02%	0.002%
26	3.770	847	849	851	rVB3	1807	817	0.04%	0.003%
27	3.789	851	855	856	rBV2	1250	743	0.04%	0.003%
28	3.802	856	859	860	rBV3	993	609	0.03%	0.003%
29	3.873	869	881	911	rBV	148839	441969	22.00%	1.882%
30	4.336	1011	1025	1055	rBV	281047	712486	35.47%	3.034%
31	4.596	1092	1106	1125	rVB2	128889	320115	15.94%	1.363%
32	4.719	1142	1144	1145	rBV2	1322	499	0.02%	0.002%
33	4.780	1161	1163	1166	rBV4	1065	558	0.03%	0.002%
34	4.850	1183	1185	1190	rVB6	1310	720	0.04%	0.003%
35	4.924	1205	1208	1212	rBV6	1790	1826	0.09%	0.008%
36	5.037	1227	1243	1273	rBV2	741653	1920762	95.62%	8.180%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103122\
 Data File : VV028780.D
 Acq On : 31 Oct 2022 15:08
 Operator : SY/MD
 Sample : N5301-04
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBXC5

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_V\Method\SFAMVLM103122WMA.M
 Title : VOC Analysis

37	5.606	1409	1420	1447	rBV	569291	1151842	57.34%	4.906%
38	5.873	1501	1503	1504	rBV2	1954	807	0.04%	0.003%
39	6.059	1549	1561	1586	rBV	440339	896124	44.61%	3.816%
40	6.439	1677	1679	1682	rBV4	1299	937	0.05%	0.004%
41	6.493	1693	1696	1697	rBV4	1499	624	0.03%	0.003%
42	6.635	1729	1740	1761	rBV3	34602	84766	4.22%	0.361%
43	6.934	1831	1833	1834	rBV2	1036	471	0.02%	0.002%
44	6.944	1834	1836	1837	rBV2	1499	623	0.03%	0.003%
45	6.979	1837	1847	1855	rBV	222375	392603	19.54%	1.672%
46	7.153	1894	1901	1913	rBV3	31290	67638	3.37%	0.288%
47	7.220	1914	1922	1938	rVV	331717	621256	30.93%	2.646%
48	7.307	1939	1949	1963	rVV	864120	1503207	74.83%	6.402%
49	7.381	1964	1972	1990	rVB	441190	766416	38.15%	3.264%
50	7.616	2035	2045	2050	rBV	148404	247434	12.32%	1.054%
51	7.966	2143	2154	2171	rBV	618238	1029661	51.26%	4.385%
52	8.085	2181	2191	2226	rBV	497350	1001386	49.85%	4.265%
53	8.236	2230	2238	2260	rVB	191399	337491	16.80%	1.437%
54	8.651	2365	2367	2369	rBV3	1333	677	0.03%	0.003%
55	8.844	2416	2427	2434	rBV	865035	1509350	75.14%	6.428%
56	9.005	2467	2477	2498	rBV	661397	1038433	51.69%	4.423%
57	9.506	2630	2633	2634	rBV3	1308	775	0.04%	0.003%
58	9.805	2724	2726	2729	rBV4	1638	993	0.05%	0.004%
59	9.837	2732	2736	2739	rBV5	1631	1349	0.07%	0.006%
60	9.863	2741	2744	2746	rBV3	1598	784	0.04%	0.003%
61	10.011	2788	2790	2793	rBV4	955	721	0.04%	0.003%
62	10.046	2798	2801	2802	rBV2	2482	1165	0.06%	0.005%
63	10.165	2836	2838	2839	rBV2	756	288	0.01%	0.001%
64	10.207	2839	2851	2869	rVV	534468	857840	42.70%	3.653%
65	10.342	2883	2893	2915	rBV	1307288	2008817	100.00%	8.555%
66	10.699	3001	3004	3012	rVB9	2259	2262	0.11%	0.010%
67	10.902	3065	3067	3069	rBV3	2344	1468	0.07%	0.006%
68	11.040	3106	3110	3111	rBV3	1099	817	0.04%	0.003%
69	11.072	3117	3120	3127	rVV8	3390	3516	0.18%	0.015%
70	11.101	3127	3129	3131	rVV3	1752	645	0.03%	0.003%
71	11.127	3135	3137	3138	rBV2	749	231	0.01%	0.001%
72	11.149	3143	3144	3146	rBV2	950	535	0.03%	0.002%
73	11.239	3161	3172	3194	rBV	857663	1318128	65.62%	5.614%
74	11.471	3238	3244	3254	rVB5	10923	16890	0.84%	0.072%
75	11.615	3277	3289	3309	rBV	794082	1254934	62.47%	5.345%
76	12.120	3441	3446	3448	rBV6	1941	1881	0.09%	0.008%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103122\
 Data File : VV028780.D
 Acq On : 31 Oct 2022 15:08
 Operator : SY/MD
 Sample : N5301-04
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBXC5

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_V\Method\SFAMVLM103122WMA.M
 Title : VOC Analysis

77	12.226	3477	3479	3480	rVB2	1042	291	0.01%	0.001%
78	12.287	3496	3498	3500	rBV3	1173	421	0.02%	0.002%
79	12.323	3506	3509	3511	rBV4	1949	1077	0.05%	0.005%
80	12.400	3529	3533	3537	rBV6	1955	1930	0.10%	0.008%
81	12.477	3556	3557	3559	rBV3	638	286	0.01%	0.001%
82	12.754	3640	3643	3645	rBV4	2178	1561	0.08%	0.007%
83	12.863	3675	3677	3678	rBV2	994	400	0.02%	0.002%
84	12.950	3698	3704	3709	rBV8	1954	2709	0.13%	0.012%
85	13.008	3719	3722	3723	rBV2	1396	667	0.03%	0.003%
86	13.033	3727	3730	3731	rBV3	1405	717	0.04%	0.003%
87	13.159	3767	3769	3771	rBV3	1661	762	0.04%	0.003%
88	13.207	3781	3784	3785	rBV3	1743	1033	0.05%	0.004%
89	13.255	3791	3799	3809	rBV3	7311	13759	0.68%	0.059%
90	13.358	3826	3831	3837	rVB8	2326	2189	0.11%	0.009%
91	13.387	3837	3840	3842	rBV4	1905	1171	0.06%	0.005%
92	13.432	3851	3854	3855	rBV3	1238	679	0.03%	0.003%
93	13.619	3907	3912	3916	rBV8	1894	1809	0.09%	0.008%
94	13.734	3941	3948	3956	rBV10	8086	13358	0.66%	0.057%
95	13.927	4005	4008	4009	rBV3	1118	714	0.04%	0.003%
96	14.567	4205	4207	4208	rBV2	1643	606	0.03%	0.003%
97	14.664	4234	4237	4239	rBV3	2018	1325	0.07%	0.006%
98	14.773	4268	4271	4272	rBV3	1924	1143	0.06%	0.005%
99	15.622	4533	4535	4536	rBV2	2399	916	0.05%	0.004%

Sum of corrected areas: 23480301

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103122\
Data File : VV028780.D
Acq On : 31 Oct 2022 15:08
Operator : SY/MD
Sample : N5301-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DBXC5

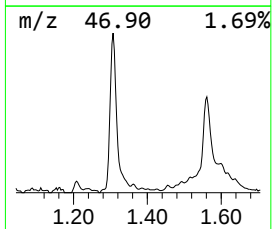
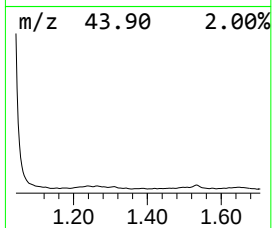
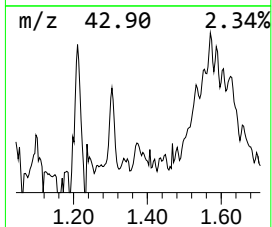
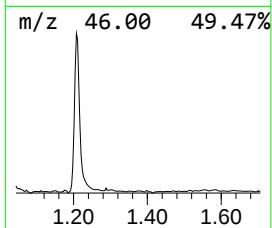
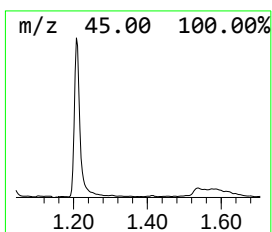
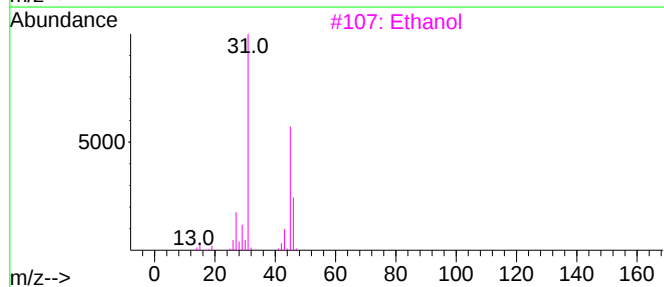
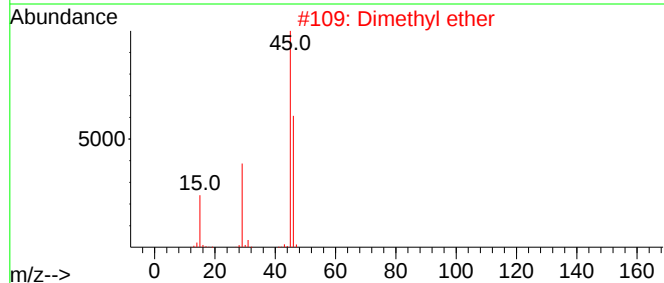
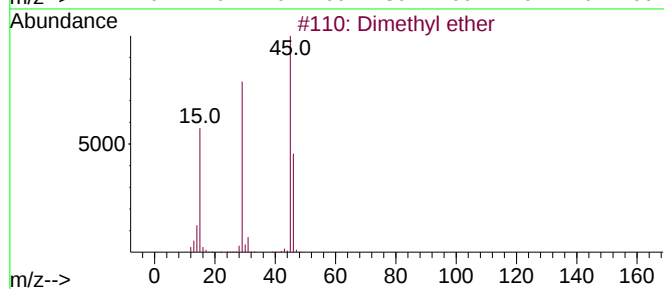
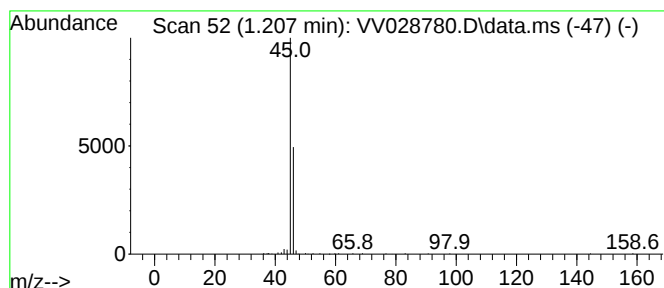
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103122WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Dimethyl ether Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.207	2.85 ug/L	65553	1,4-Difluorobenzene	5.606

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dimethyl ether	46	C2H6O	000115-10-6	56
2			Dimethyl ether	46	C2H6O	000115-10-6	9
3			Ethanol	46	C2H6O	000064-17-5	9
4			Ethanol	46	C2H6O	000064-17-5	9
5			Ethanol	46	C2H6O	000064-17-5	7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103122\
Data File : VV028780.D
Acq On : 31 Oct 2022 15:08
Operator : SY/MD
Sample : N5301-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DBXC5

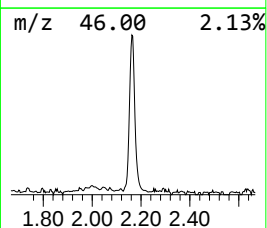
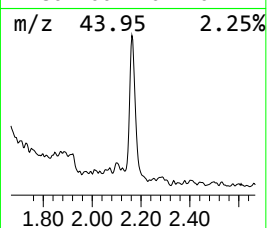
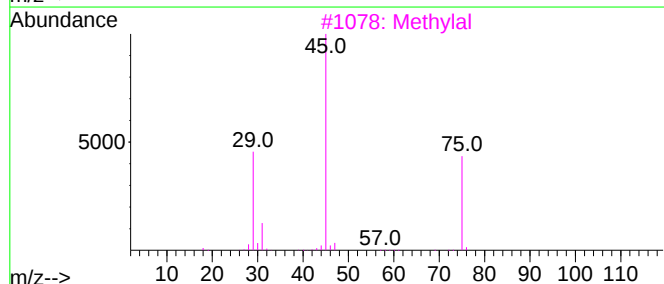
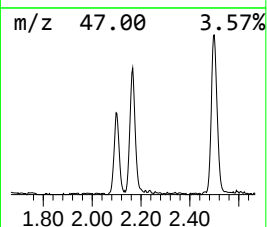
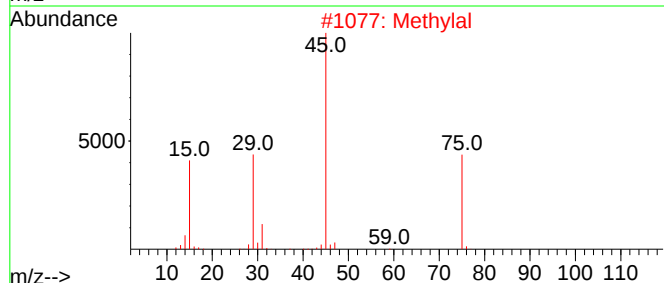
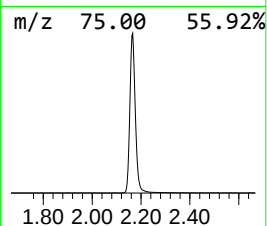
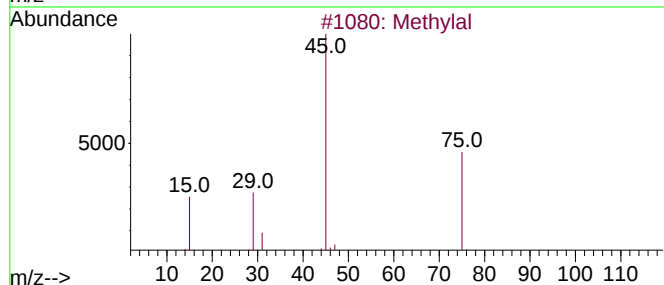
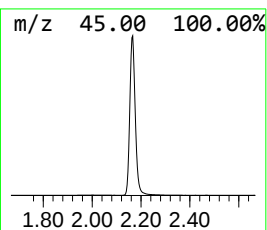
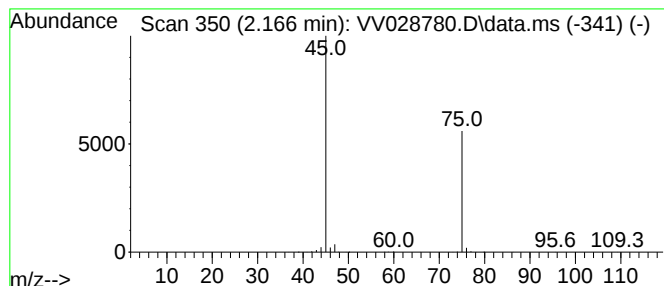
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103122WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Methylal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.166	45.01 ug/L	1036980	1,4-Difluorobenzene	5.606

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylal			76	C3H8O2	000109-87-5	78
2	Methylal			76	C3H8O2	000109-87-5	78
3	Methylal			76	C3H8O2	000109-87-5	59
4	Methylal			76	C3H8O2	000109-87-5	59
5	Methanamine, N,N-dimethyl-, N-oxide			75	C3H9NO	001184-78-7	7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103122\
Data File : VV028780.D
Acq On : 31 Oct 2022 15:08
Operator : SY/MD
Sample : N5301-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DBXC5

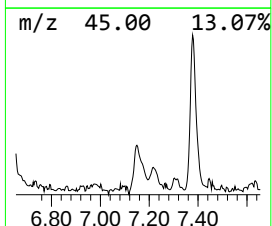
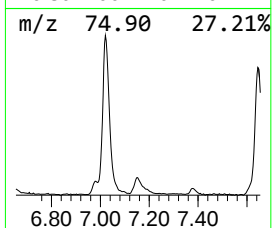
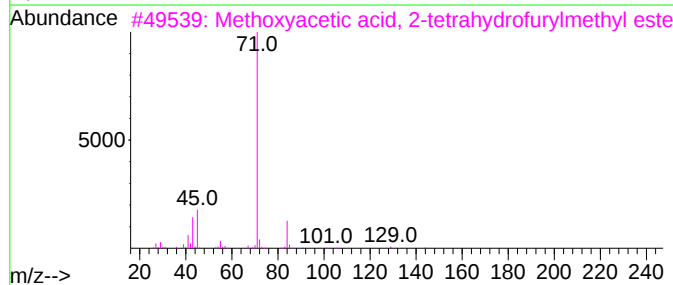
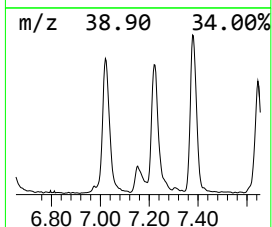
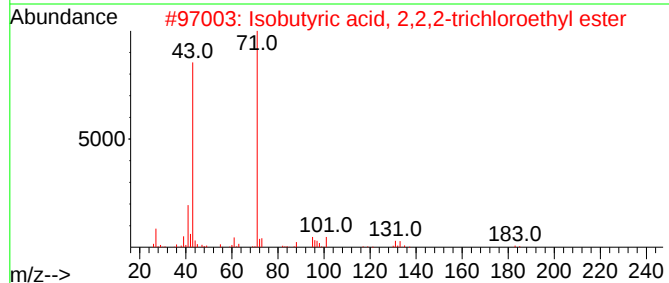
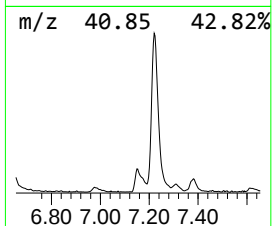
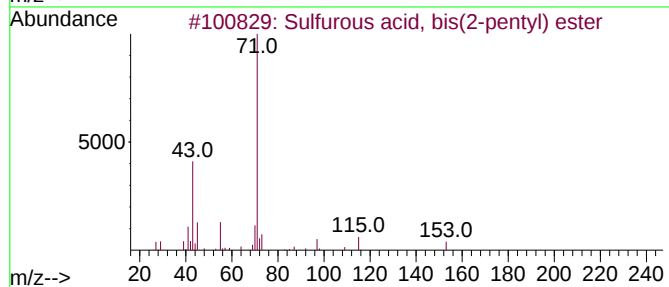
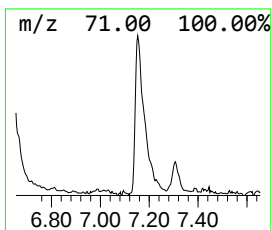
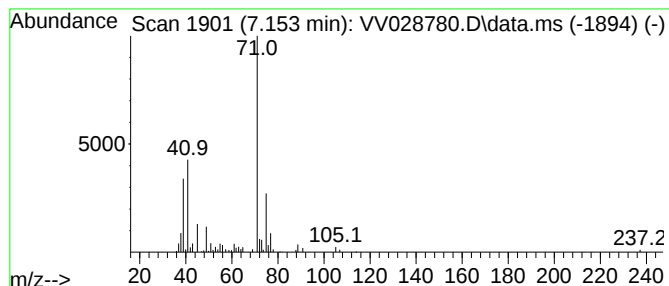
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103122WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.153	2.94 ug/L	67638	1,4-Difluorobenzene	5.606

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, bis(2-pentyl) ester	222	C10H22O3S	1000309-15-3	42
2			Isobutyric acid, 2,2,2-trichloro...	218	C6H9Cl3O2	1000354-63-4	40
3			Methoxyacetic acid, 2-tetrahydro...	174	C8H14O4	1000282-41-3	33
4			3-Penten-2-ol	86	C5H10O	001569-50-2	33
5			3-Chloro-2-buten-1-ol	106	C4H7ClO	040605-42-3	28



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103122\
Data File : VV028780.D
Acq On : 31 Oct 2022 15:08
Operator : SY/MD
Sample : N5301-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DBXC5

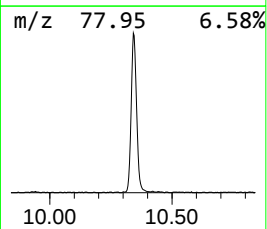
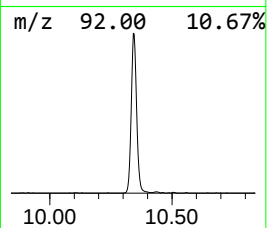
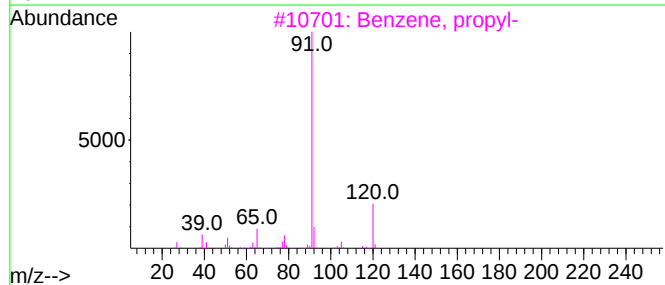
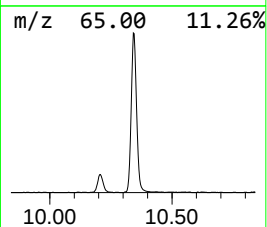
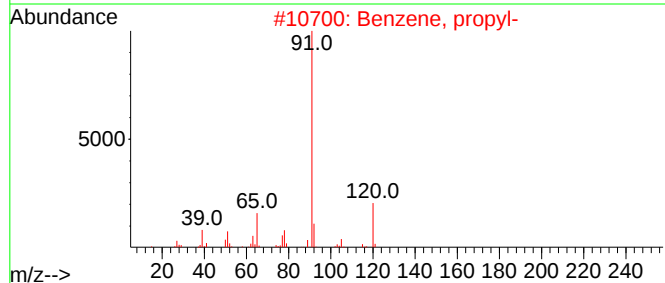
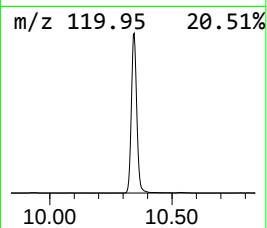
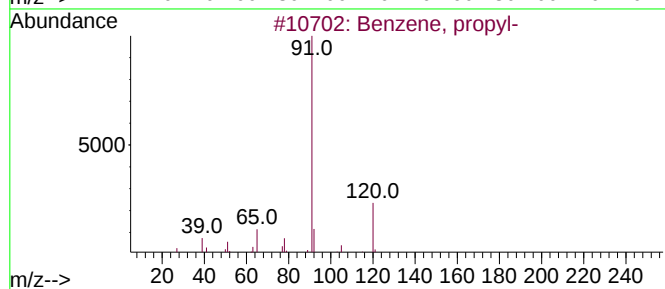
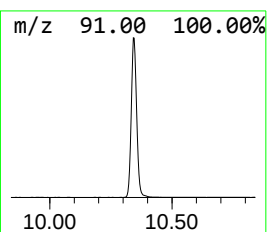
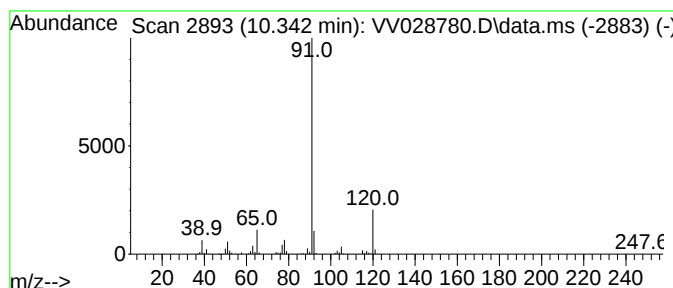
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103122WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzene, propyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.342	76.20 ug/L	2008820	1,4-Dichlorobenzene-d4	11.239

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, propyl-	120	C9H12	000103-65-1	93
2			Benzene, propyl-	120	C9H12	000103-65-1	90
3			Benzene, propyl-	120	C9H12	000103-65-1	90
4			Benzene, propyl-	120	C9H12	000103-65-1	87
5			Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103122\
Data File : VV028780.D
Acq On : 31 Oct 2022 15:08
Operator : SY/MD
Sample : N5301-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DBXC5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103122WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Dimethyl ether	1.207	2.9	ug/L	65553	1	5.606	1151840	50.0
Methylal	2.166	45.0	ug/L	1036980	1	5.606	1151840	50.0
unknown-01	7.153	2.9	ug/L	67638	1	5.606	1151840	50.0
Benzene, propyl-	10.342	76.2	ug/L	2008820	3	11.239	1318130	50.0