

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
 Data File : VW018873.D
 Acq On : 30 Apr 2021 11:54
 Operator : SY/VA
 Sample : M2177-20
 Misc : 5.72G/10ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG590

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\SFAMWLM042921SMA.M
 Title : SFAM01.0

Signal : TIC: VW018873.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.989	11	14	27	rVB2	19052	43734	1.21%	0.070%
2	2.160	37	42	55	rBV3	20270	57191	1.58%	0.092%
3	2.355	65	74	86	rBV	170007	340110	9.42%	0.547%
4	2.501	94	98	106	rBV2	6803	13723	0.38%	0.022%
5	2.696	129	130	136	rVB5	1389	1742	0.05%	0.003%
6	2.891	154	162	179	rVV	128441	314730	8.72%	0.506%
7	3.032	180	185	194	rVV8	7484	22850	0.63%	0.037%
8	3.111	194	198	206	rVB7	4334	11639	0.32%	0.019%
9	3.391	236	244	253	rBV4	3809	9357	0.26%	0.015%
10	3.599	273	278	282	rBV5	1001	2057	0.06%	0.003%
11	3.842	313	318	325	rBV5	661	1391	0.04%	0.002%
12	4.019	335	347	361	rBV	282308	852950	23.63%	1.371%
13	4.135	361	366	378	rVV	12078	38446	1.07%	0.062%
14	4.385	396	407	409	rBV2	8142	18744	0.52%	0.030%
15	4.921	483	495	506	rBV	43859	149025	4.13%	0.240%
16	5.208	531	542	548	rBV6	2026	7086	0.20%	0.011%
17	5.434	568	579	590	rBV6	2223	8441	0.23%	0.014%
18	5.787	630	637	647	rVB6	2751	8522	0.24%	0.014%
19	5.946	652	663	675	rVB3	14681	44672	1.24%	0.072%
20	6.299	714	721	723	rBV4	1703	3247	0.09%	0.005%
21	6.878	809	816	817	rBV4	1222	2306	0.06%	0.004%
22	6.915	817	822	827	rBV8	1324	2724	0.08%	0.004%
23	6.988	830	834	837	rVB4	1165	1961	0.05%	0.003%
24	7.086	841	850	855	rBV	54430	155133	4.30%	0.249%
25	7.141	855	859	876	rVB	39410	119300	3.31%	0.192%
26	7.537	918	924	930	rBV8	2100	4987	0.14%	0.008%
27	7.653	932	943	958	rVV	392552	978466	27.11%	1.573%
28	7.829	969	972	975	rBV4	1332	2142	0.06%	0.003%
29	7.854	975	976	981	rVV4	1739	2358	0.07%	0.004%
30	7.951	985	992	999	rVV8	4315	10091	0.28%	0.016%
31	8.043	999	1007	1014	rVB7	4560	12149	0.34%	0.020%
32	8.122	1017	1020	1022	rBV4	1307	1939	0.05%	0.003%
33	8.281	1033	1046	1062	rBV2	796029	2394921	66.35%	3.849%
34	8.415	1064	1068	1070	rBV5	1857	3244	0.09%	0.005%
35	8.476	1075	1078	1082	rVB3	3468	5475	0.15%	0.009%
36	8.573	1089	1094	1097	rBV6	2217	3550	0.10%	0.006%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
 Data File : VW018873.D
 Acq On : 30 Apr 2021 11:54
 Operator : SY/VA
 Sample : M2177-20
 Misc : 5.72G/10ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG590

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\SFAMWLM042921SMA.M
 Title : SFAM01.0

37	8.701	1110	1115	1119	rBV6	3044	6059	0.17%	0.010%
38	8.841	1129	1138	1152	rBV	870597	1742796	48.28%	2.801%
39	9.037	1165	1170	1182	rBV3	30224	92723	2.57%	0.149%
40	9.274	1201	1209	1224	rBV	524812	1127392	31.23%	1.812%
41	9.384	1225	1227	1234	rVB8	9276	16392	0.45%	0.026%
42	9.463	1239	1240	1242	rBV2	3202	2650	0.07%	0.004%
43	9.610	1255	1264	1271	rBV3	25828	60759	1.68%	0.098%
44	9.756	1284	1288	1294	rVB3	16599	30645	0.85%	0.049%
45	10.036	1328	1334	1340	rBV	233008	426682	11.82%	0.686%
46	10.213	1358	1363	1366	rBV5	25348	52655	1.46%	0.085%
47	10.323	1374	1381	1389	rBV	1043825	1881297	52.12%	3.024%
48	10.390	1389	1392	1396	rVB	18408	29339	0.81%	0.047%
49	10.579	1418	1423	1427	rBV	151557	270095	7.48%	0.434%
50	10.622	1427	1430	1438	rVB2	67882	119073	3.30%	0.191%
51	10.701	1438	1443	1448	rBV	64250	117668	3.26%	0.189%
52	10.926	1473	1480	1490	rBV3	266246	520121	14.41%	0.836%
53	11.024	1492	1496	1499	rBV4	36502	69045	1.91%	0.111%
54	11.067	1500	1503	1506	rVV2	38840	51954	1.44%	0.083%
55	11.109	1507	1510	1520	rVB	66181	116312	3.22%	0.187%
56	11.231	1524	1530	1534	rBV3	93680	189141	5.24%	0.304%
57	11.286	1535	1539	1543	rBV	112765	180749	5.01%	0.290%
58	11.439	1560	1564	1573	rBV5	101182	320513	8.88%	0.515%
59	11.628	1589	1595	1604	rVB	929546	1735160	48.07%	2.789%
60	11.823	1622	1627	1632	rBV	225726	439248	12.17%	0.706%
61	11.878	1633	1636	1639	rVV	39951	66955	1.86%	0.108%
62	11.975	1646	1652	1655	rBV2	242742	494643	13.70%	0.795%
63	12.036	1659	1662	1665	rVV2	133951	219774	6.09%	0.353%
64	12.067	1665	1667	1671	rVB	131538	160870	4.46%	0.259%
65	12.121	1671	1676	1683	rBV4	453463	871880	24.16%	1.401%
66	12.188	1683	1687	1690	rBV3	305716	485645	13.45%	0.781%
67	12.341	1701	1712	1720	rBV6	1071357	3046794	84.41%	4.897%
68	12.451	1720	1730	1735	rBV6	747139	2041014	56.55%	3.280%
69	12.524	1736	1742	1745	rVB4	174585	375927	10.42%	0.604%
70	12.560	1746	1748	1752	rVB	207836	241799	6.70%	0.389%
71	12.615	1752	1757	1762	rVB5	409745	778121	21.56%	1.251%
72	12.694	1762	1770	1776	rBV7	839885	2085180	57.77%	3.351%
73	12.774	1780	1783	1790	rBV5	407814	835247	23.14%	1.342%
74	12.859	1790	1797	1804	rBV5	1224820	3609410	100.00%	5.801%
75	12.932	1805	1809	1824	rVB7	890103	3325792	92.14%	5.345%
76	13.079	1824	1833	1837	rBV6	627755	1383480	38.33%	2.223%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
 Data File : VW018873.D
 Acq On : 30 Apr 2021 11:54
 Operator : SY/VA
 Sample : M2177-20
 Misc : 5.72G/10ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG590

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\SFAMWLM042921SMA.M
 Title : SFAM01.0

77	13.121	1837	1840	1844	rVB2	486633	677897	18.78%	1.089%
78	13.188	1844	1851	1853	rBV5	634835	1542037	42.72%	2.478%
79	13.261	1859	1863	1865	rBV2	624725	875999	24.27%	1.408%
80	13.292	1865	1868	1873	rVB2	651324	1099024	30.45%	1.766%
81	13.377	1879	1882	1885	rBV2	506819	720902	19.97%	1.159%
82	13.426	1886	1890	1893	rVV3	981165	1910537	52.93%	3.071%
83	13.475	1894	1898	1904	rVB2	1780445	3299685	91.42%	5.303%
84	13.621	1919	1922	1924	rBV2	332611	451313	12.50%	0.725%
85	13.737	1938	1941	1945	rBV3	301662	413648	11.46%	0.665%
86	13.871	1957	1963	1969	rVB6	885308	2228406	61.74%	3.581%
87	13.932	1970	1973	1976	rBV3	300006	390067	10.81%	0.627%
88	14.194	2012	2016	2019	rBV3	444731	630100	17.46%	1.013%
89	14.261	2023	2027	2033	rVB4	695070	1156301	32.04%	1.858%
90	14.322	2034	2037	2041	rVB4	265140	346484	9.60%	0.557%
91	14.383	2042	2047	2051	rBV3	1550506	2509282	69.52%	4.033%
92	14.487	2061	2064	2066	rBV2	229358	295862	8.20%	0.475%
93	14.548	2067	2074	2078	rVV4	799335	1774531	49.16%	2.852%
94	14.658	2089	2092	2096	rVB2	304146	369852	10.25%	0.594%
95	14.737	2102	2105	2109	rVB2	382763	507129	14.05%	0.815%
96	14.798	2112	2115	2118	rVV3	382468	714163	19.79%	1.148%
97	14.847	2119	2123	2129	rVB4	827064	1702431	47.17%	2.736%
98	15.328	2198	2202	2208	rVB3	481837	969326	26.86%	1.558%
99	15.395	2208	2213	2218	rBV5	598773	1366383	37.86%	2.196%
100	15.566	2237	2241	2247	rBV4	439149	998645	27.67%	1.605%

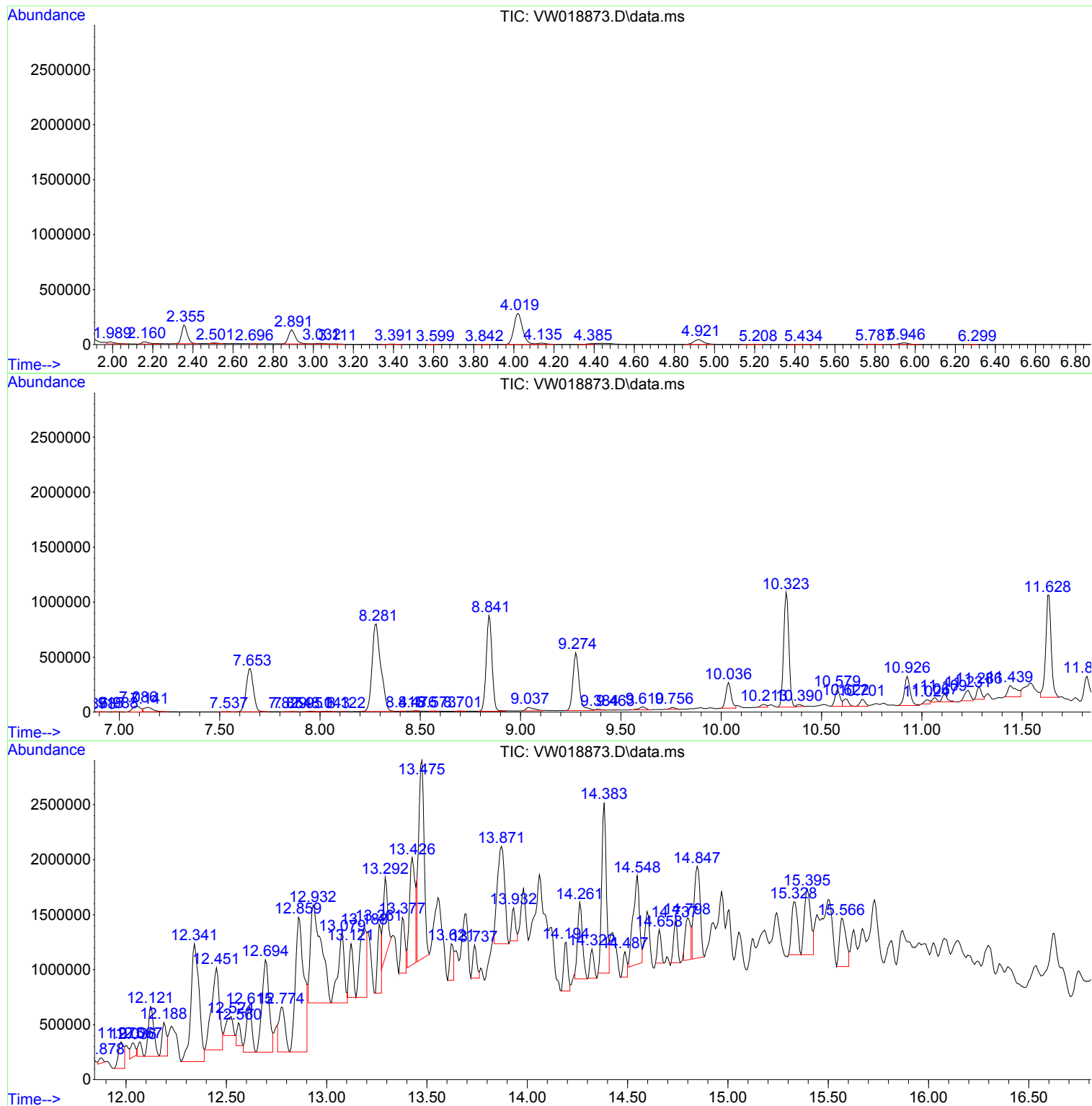
Sum of corrected areas: 62221406

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

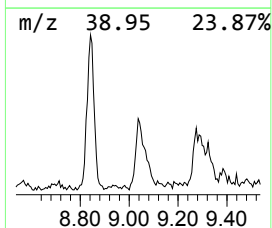
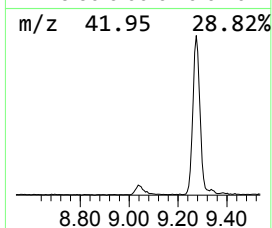
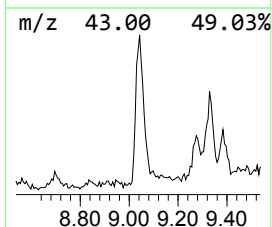
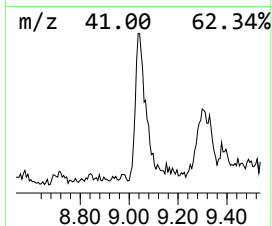
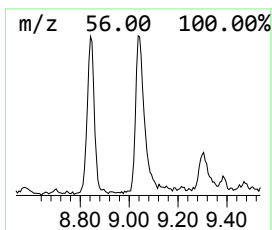
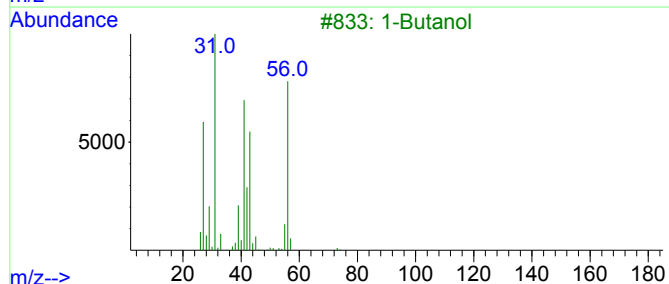
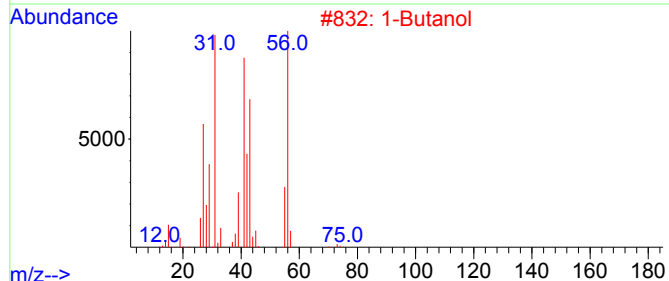
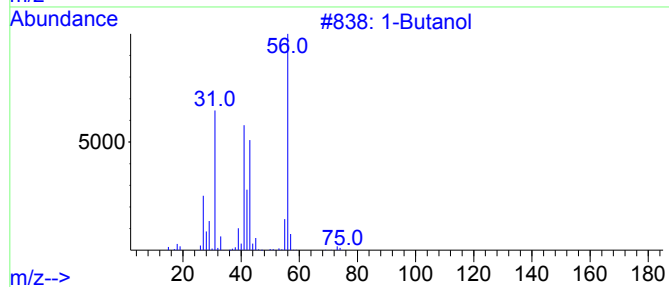
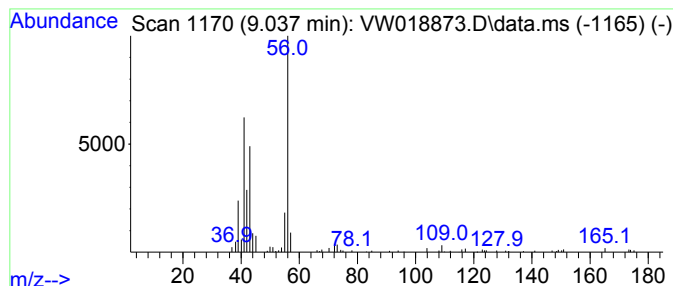
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 1-Butanol Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.037	1.33 ug/L	92723	1,4-Difluorobenzene	8.841

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol			74	C4H10O	000071-36-3	80
2	1-Butanol			74	C4H10O	000071-36-3	72
3	1-Butanol			74	C4H10O	000071-36-3	64
4	2,3-Dimethylsuccinic acid			146	C6H10O4	013545-04-5	42
5	2H-Pyran-2-one, tetrahydro-5,6-d...			128	C7H12O2	024405-16-1	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

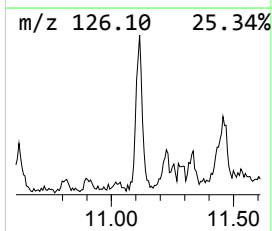
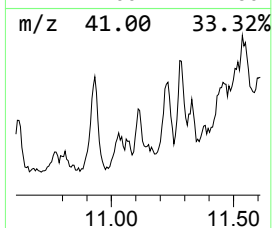
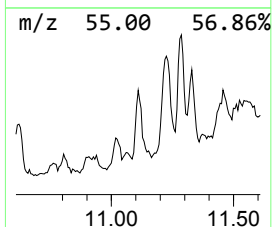
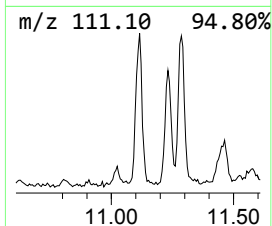
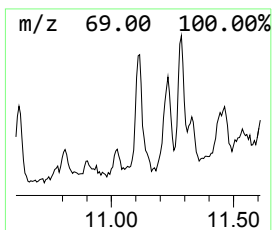
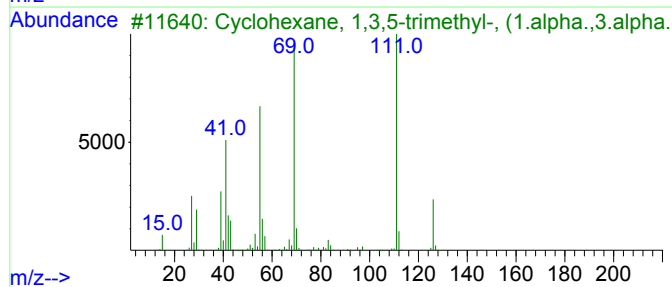
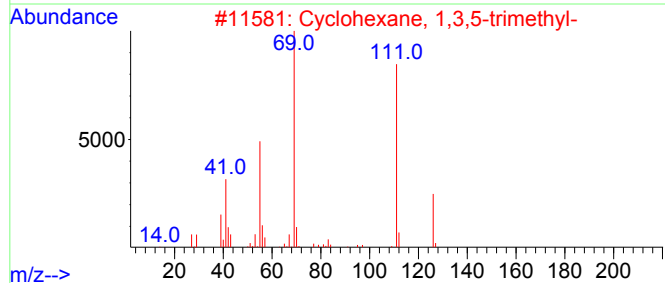
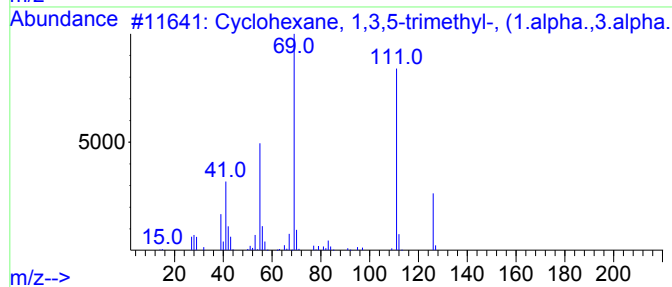
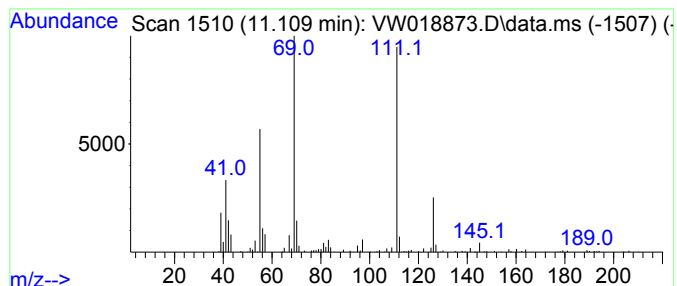
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Cyclic11.109 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.109	1.68 ug/L	116312	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	95
2			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
3			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	91
4			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
5			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

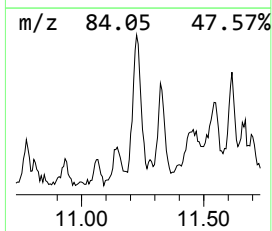
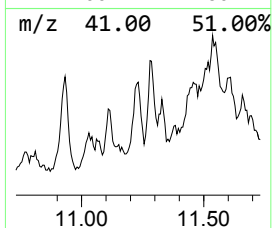
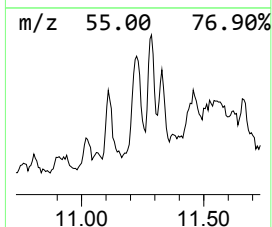
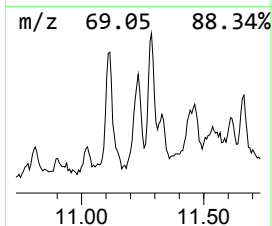
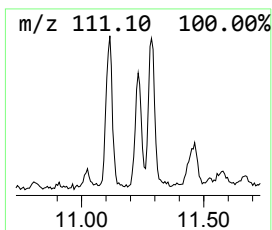
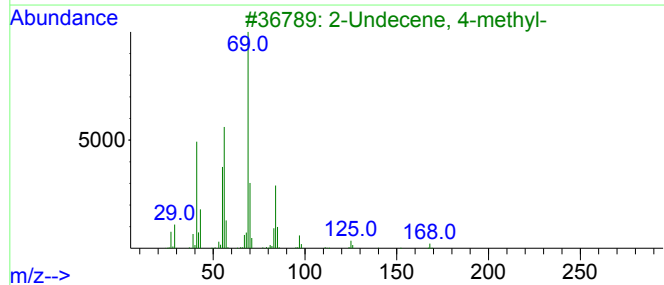
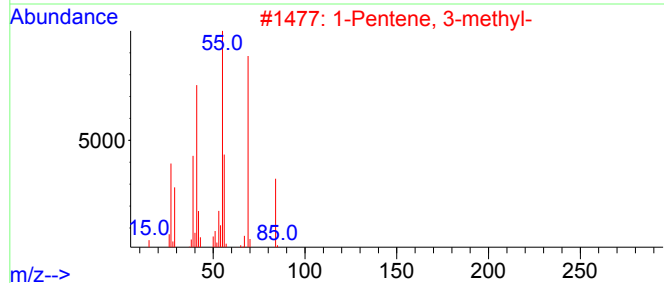
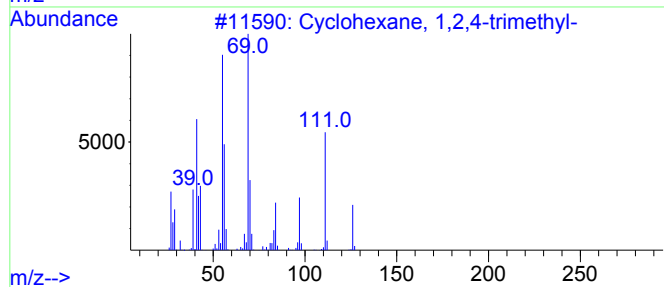
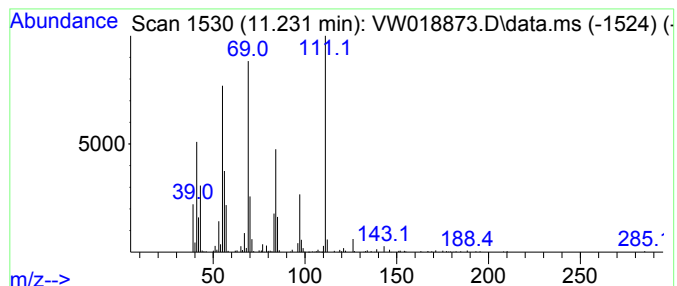
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Cyclic11.231 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.231	2.73 ug/L	189141	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	52
2			1-Pentene, 3-methyl-	84	C6H12	000760-20-3	49
3			2-Undecene, 4-methyl-	168	C12H24	091695-32-8	47
4			2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	46
5			Pentane, 3-methylene-	84	C6H12	000760-21-4	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

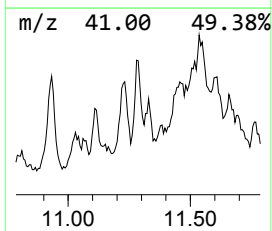
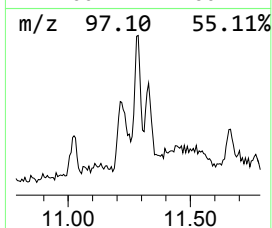
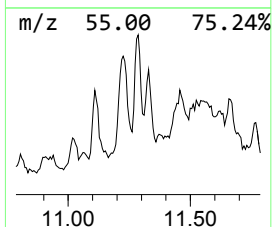
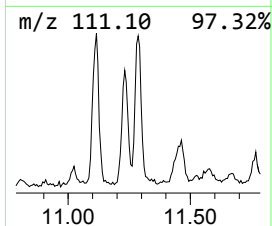
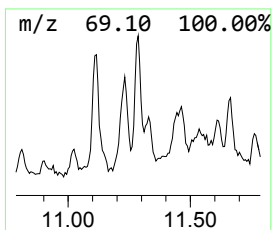
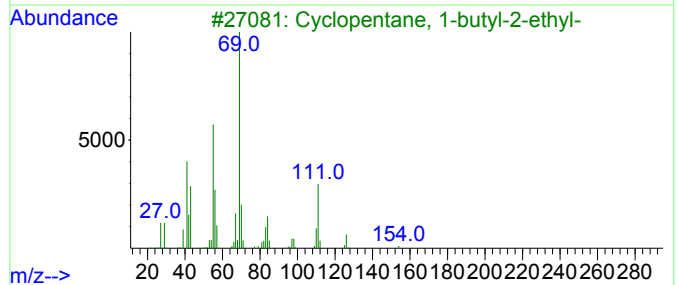
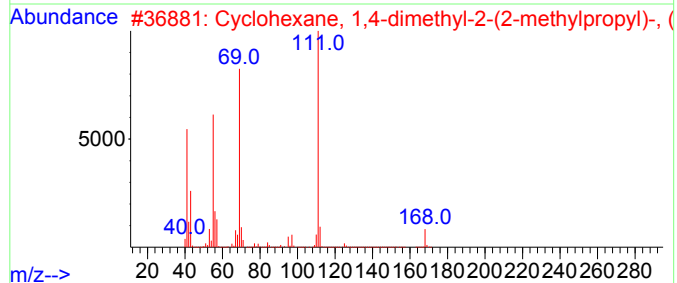
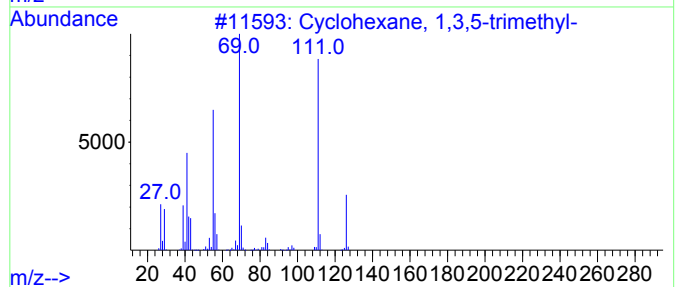
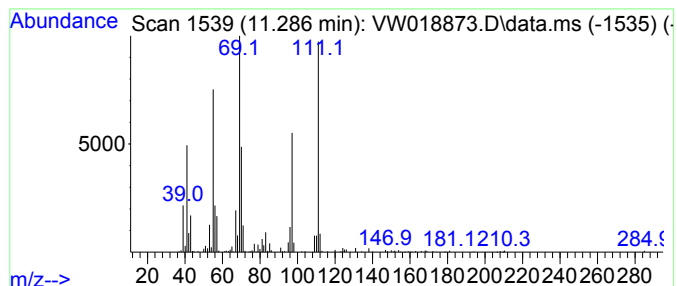
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Cyclic11.286 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.286	2.60 ug/L	180749	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	50
2			Cyclohexane, 1,4-dimethyl-2-(2-m...	168	C12H24	054411-17-5	47
3			Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	45
4			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	43
5			Cyclohexane, (1,2-dimethylbutyl)-	168	C12H24	061142-37-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

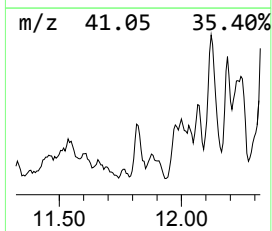
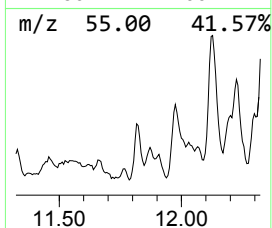
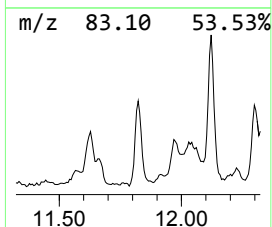
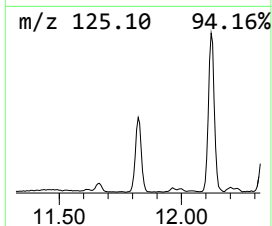
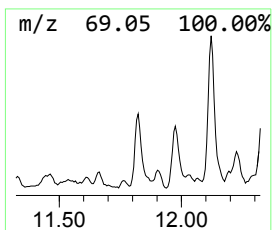
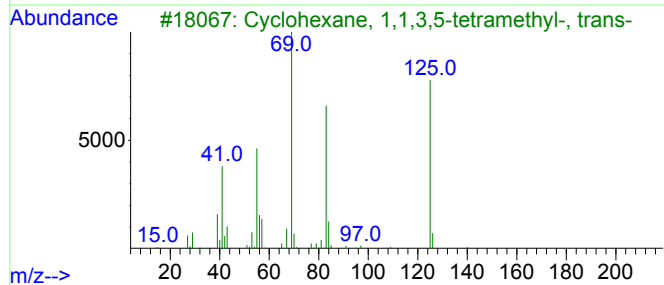
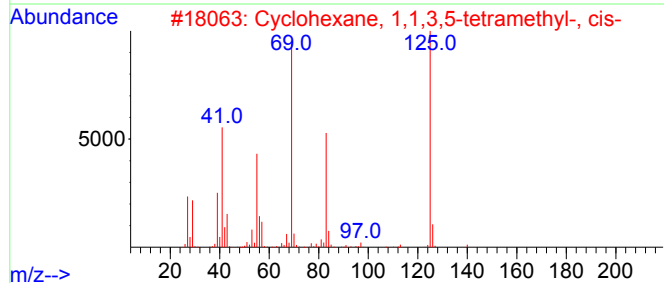
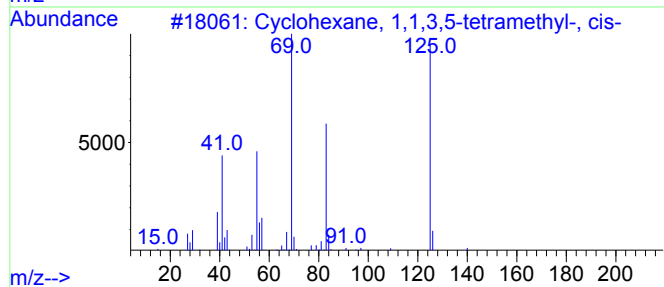
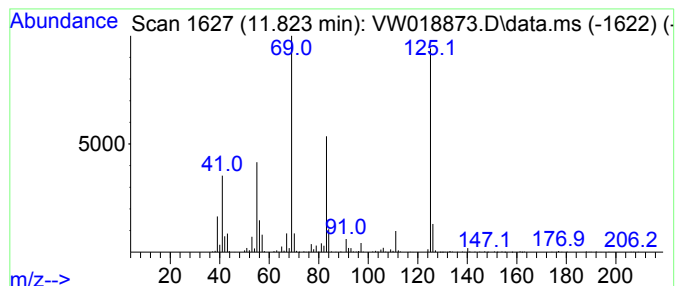
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Cyclic11.823 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.823	6.33 ug/L	439248	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	94
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	91
3			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	68
4			Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	45
5			Cyclohexane, 1,2-diethyl-1-methyl-	154	C11H22	061141-79-5	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

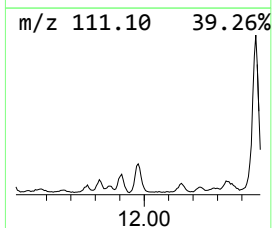
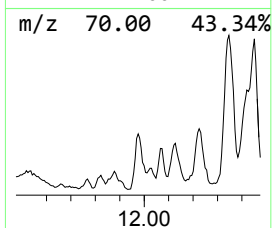
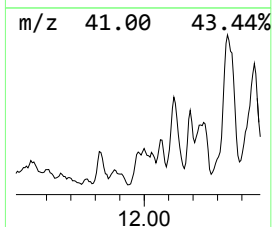
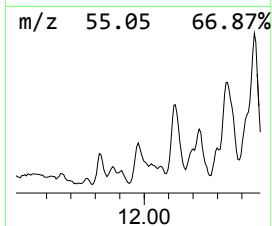
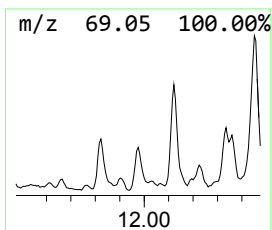
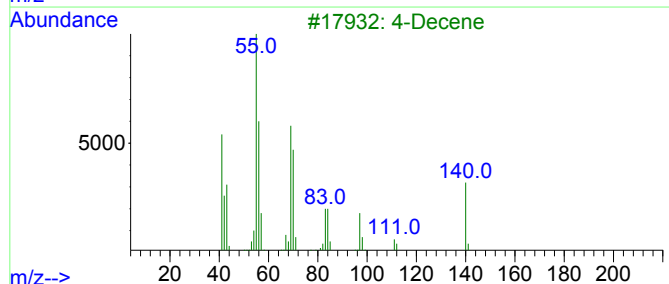
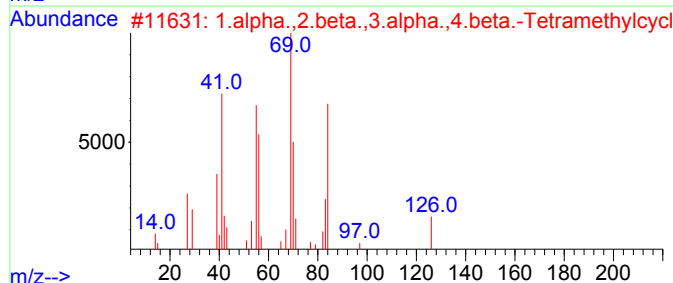
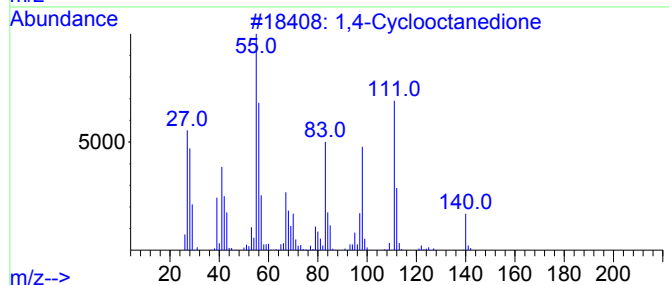
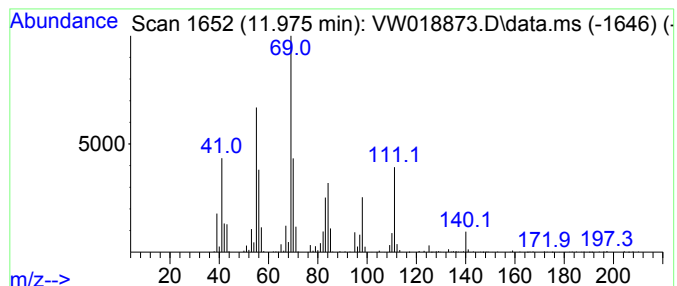
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 10 1,4-Cyclooctanedione Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	7.13 ug/L	494643	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,4-Cyclooctanedione	140	C8H12O2	055794-45-1	50
2			1.alpha.,2.beta.,3.alpha.,4.beta...	126	C9H18	002532-67-4	47
3			4-Decene	140	C10H20	019689-18-0	46
4			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	46
5			Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

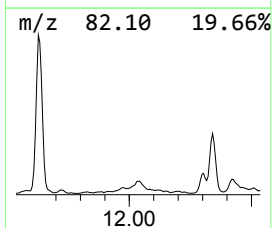
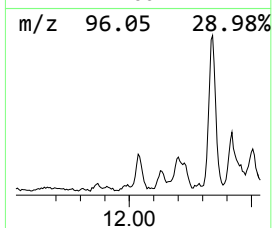
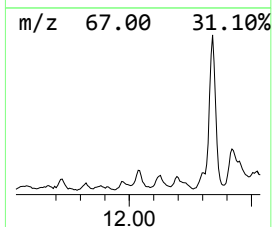
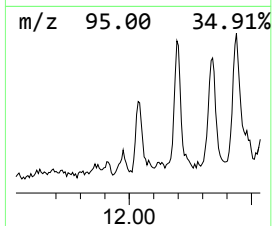
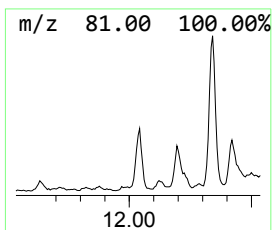
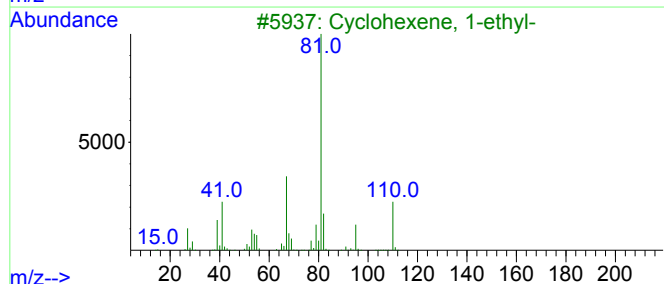
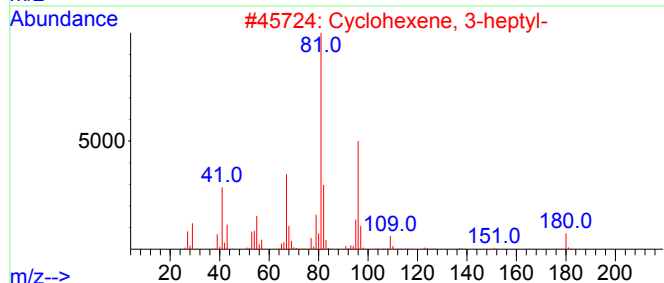
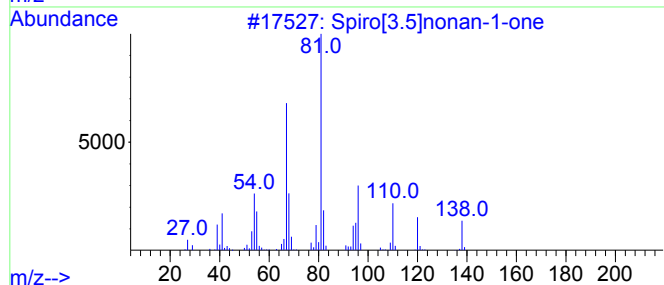
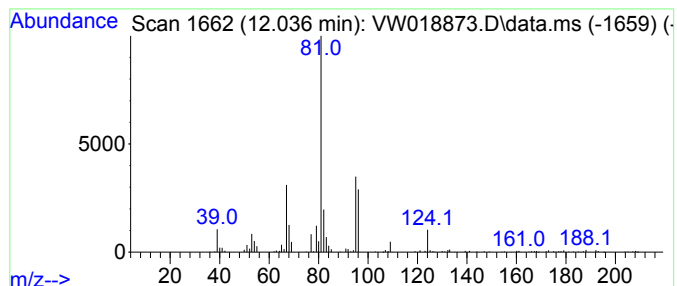
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 11 Spiro[3.5]nonan-1-one Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.036	3.17 ug/L	219774	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Spiro[3.5]nonan-1-one	138	C9H14O	029800-45-1	72
2			Cyclohexene, 3-heptyl-	180	C13H24	015232-93-6	72
3			Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	59
4			Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	53
5			Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

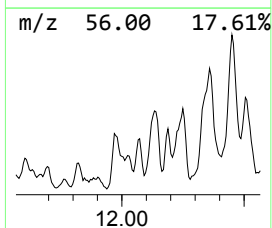
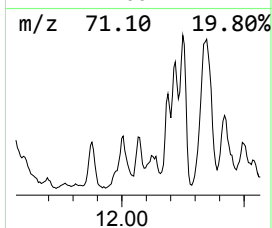
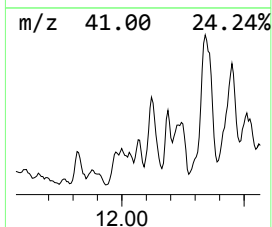
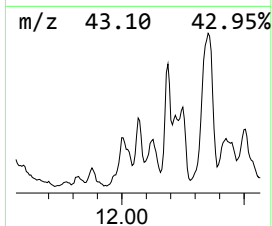
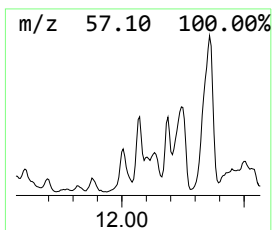
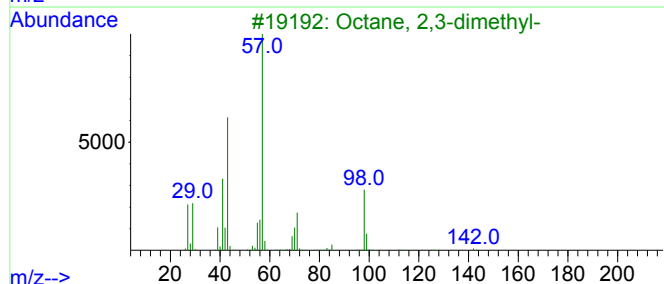
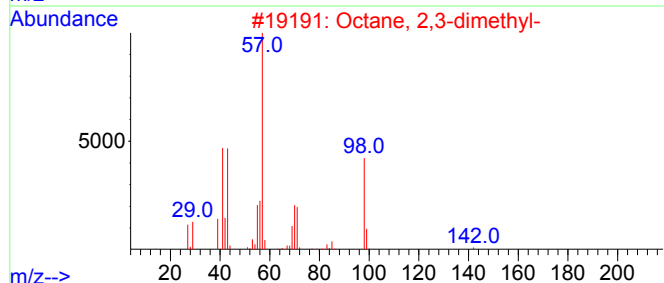
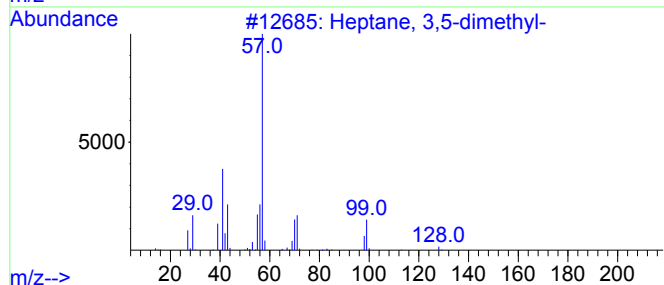
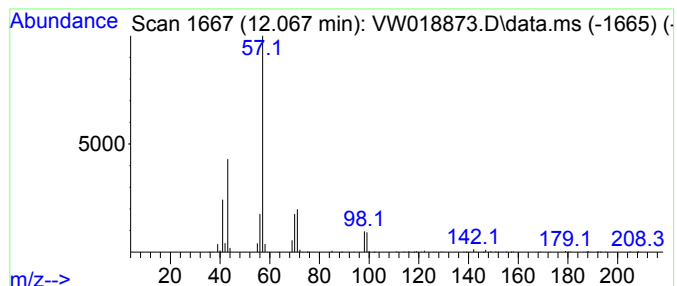
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.067	2.32 ug/L	160870	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	72
2			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	64
3			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	59
4			Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	56
5			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

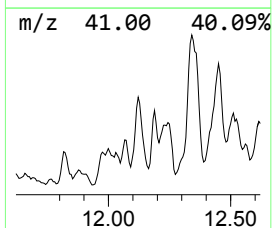
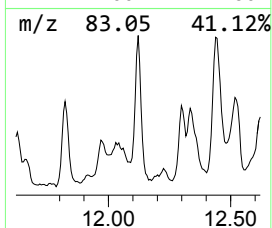
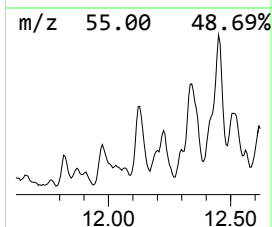
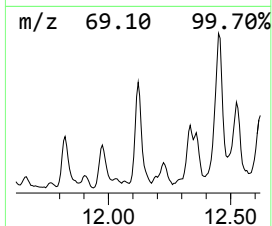
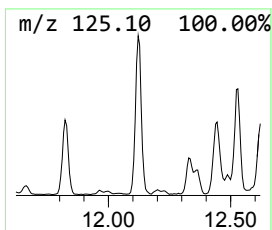
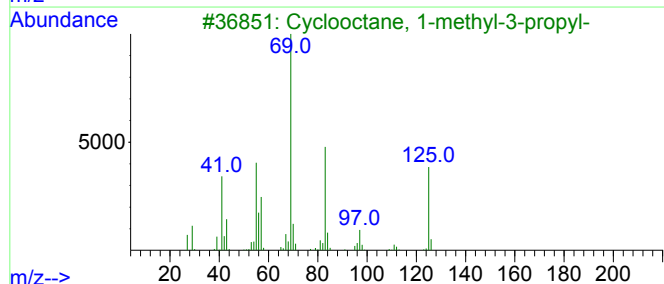
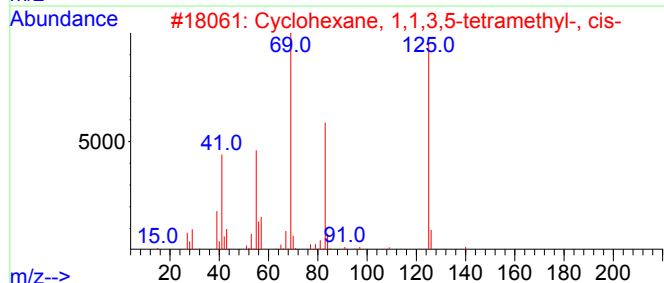
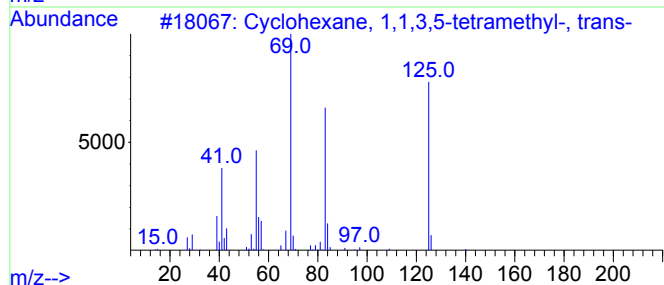
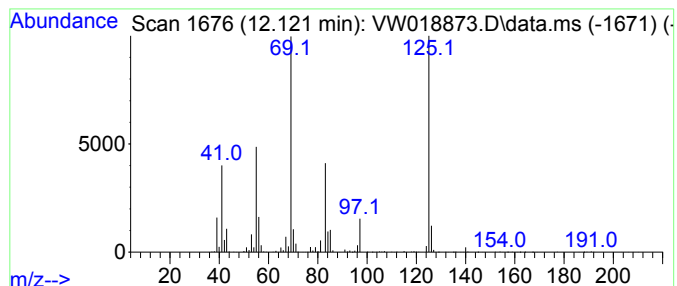
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Cyclic12.121 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.121	12.56 ug/L	871880	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	91
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	90
3			Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	83
4			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	64
5			Cyclohexane, 1,3,5-trimethyl-2-o...	378	C27H54	055282-34-3	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

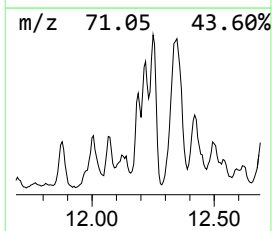
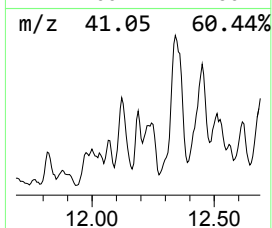
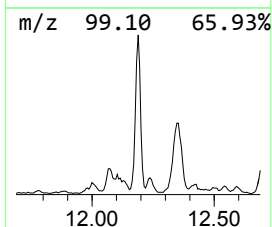
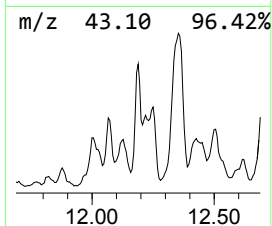
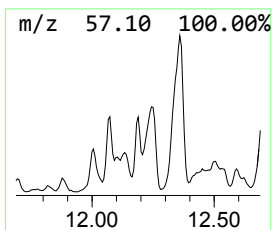
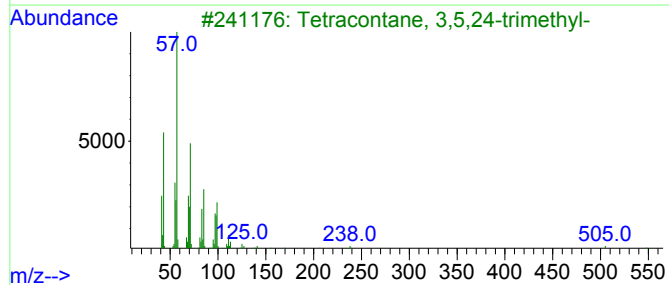
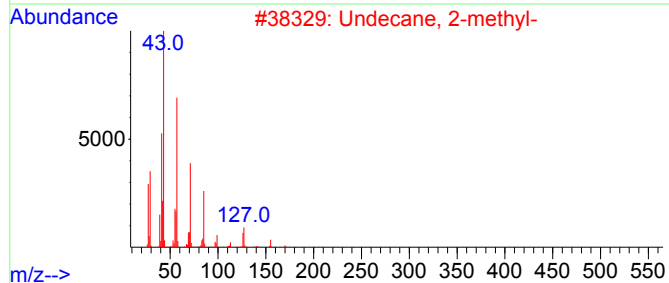
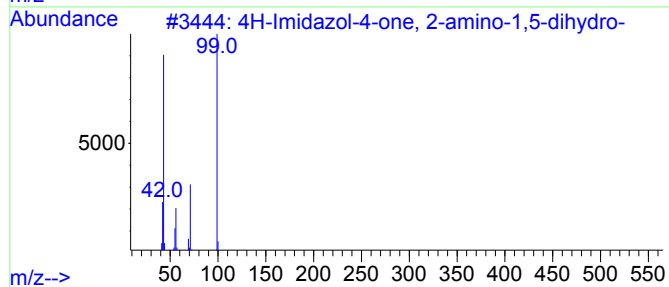
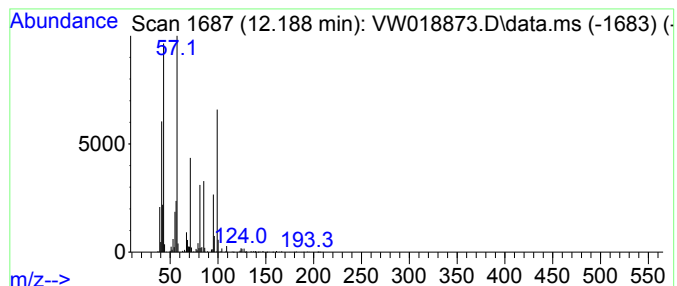
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 14 unknown-01 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.188	7.00 ug/L	485645	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	49
2			Undecane, 2-methyl-	170	C12H26	007045-71-8	47
3			Tetracontane, 3,5,24-trimethyl-	605	C43H88	055162-61-3	47
4			Dodecane, 2-methyl-	184	C13H28	001560-97-0	43
5			2H-Pyran-2-one, tetrahydro-6-pro...	142	C8H14O2	000698-76-0	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

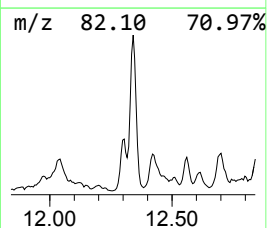
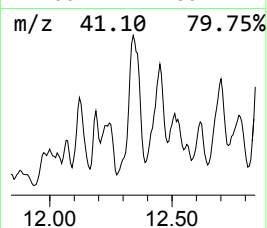
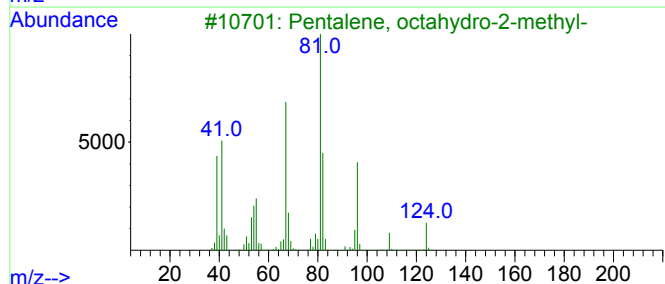
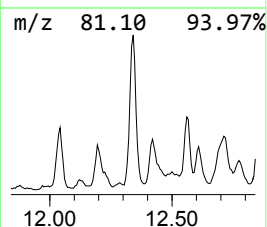
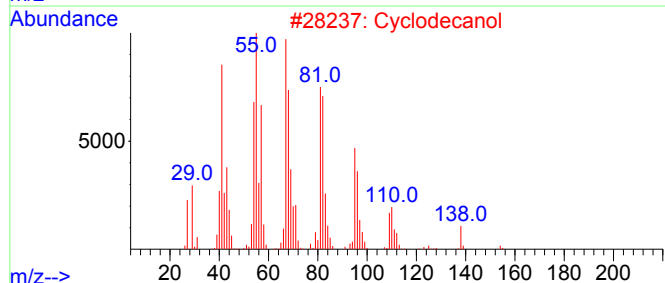
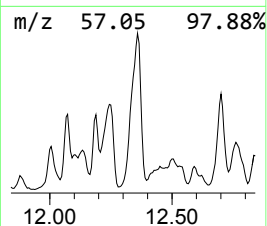
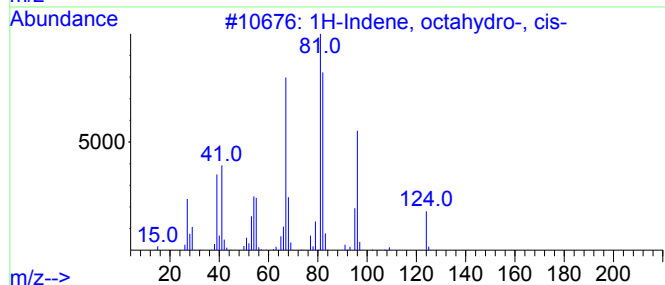
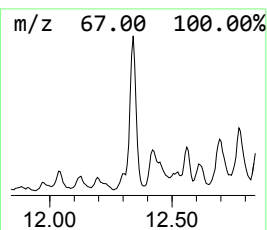
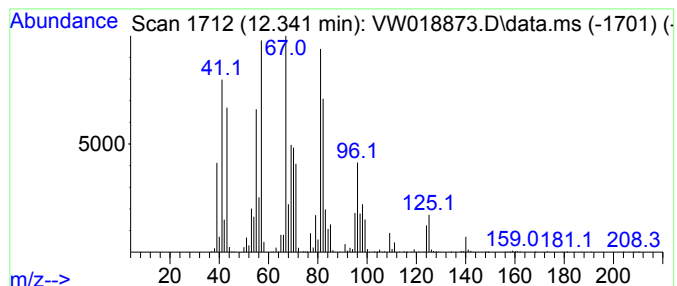
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 15 1H-Indene, octahydro-, cis- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.341	43.90 ug/L	3046790	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	55
2			Cyclodecanol	156	C10H20O	001502-05-2	52
3			Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	50
4			Cyclohexane, methylene-	96	C7H12	001192-37-6	46
5			Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

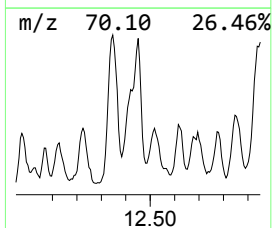
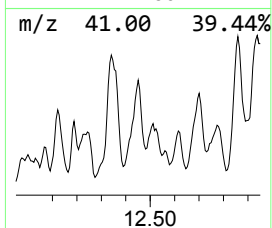
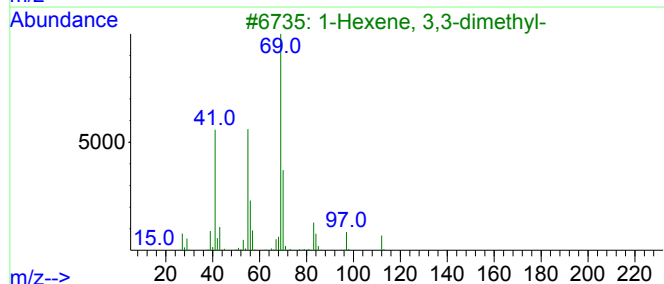
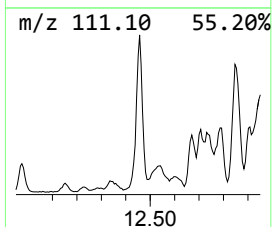
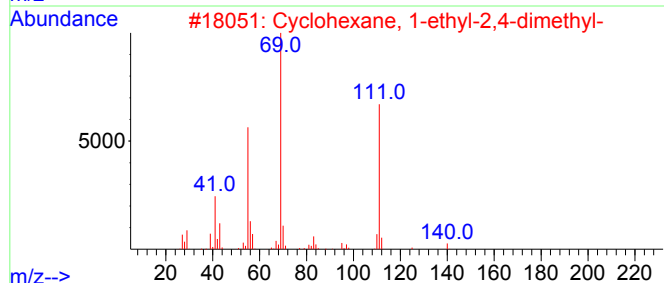
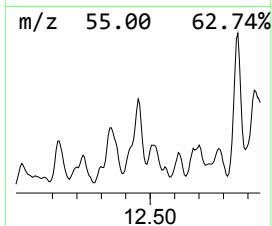
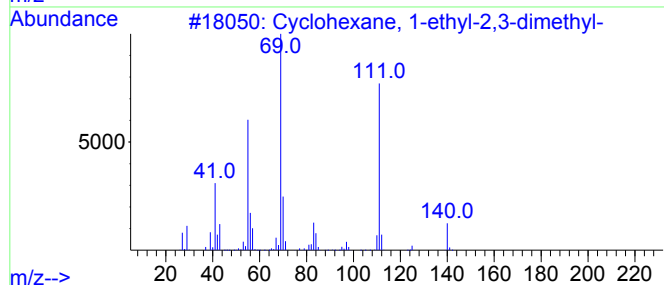
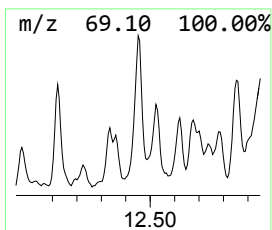
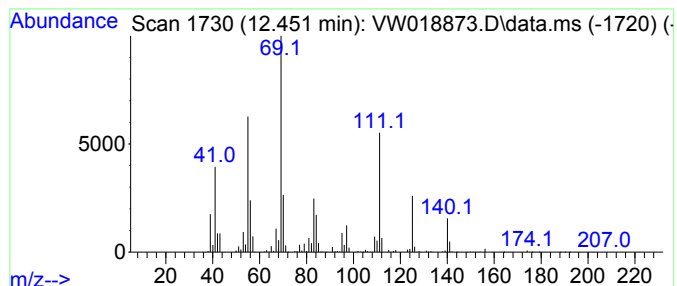
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Cyclic12.451 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	29.41 ug/L	2041010	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	76
2		Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	50
3		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	49
4		2-Nonene, 2-methyl-	140	C10H20	002129-95-5	49
5		2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

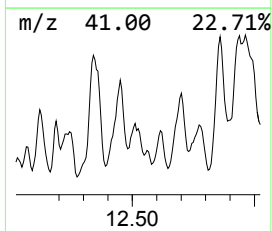
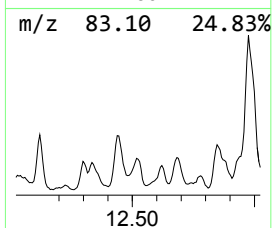
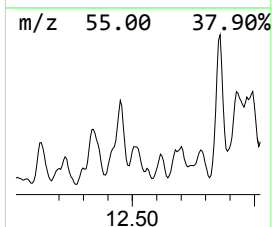
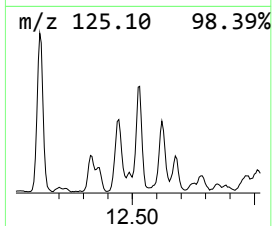
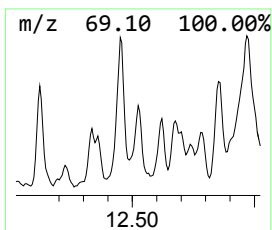
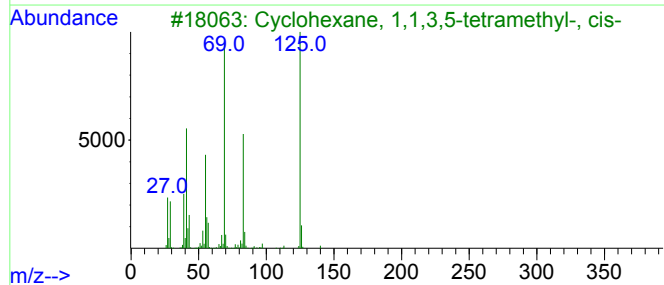
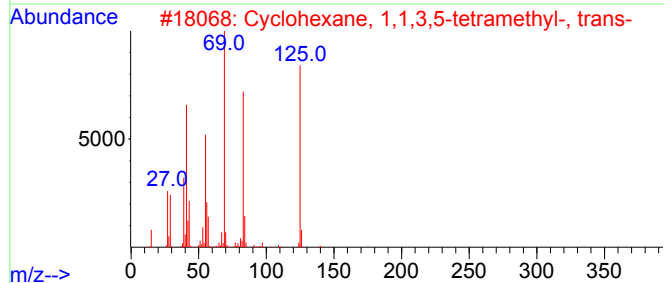
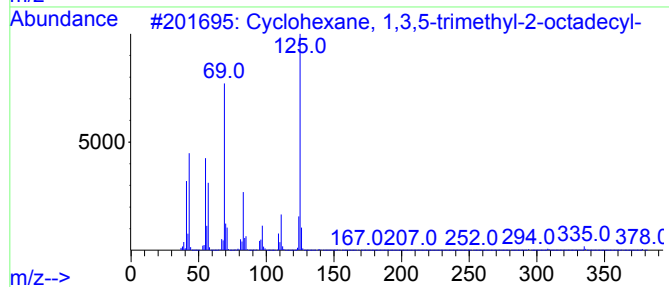
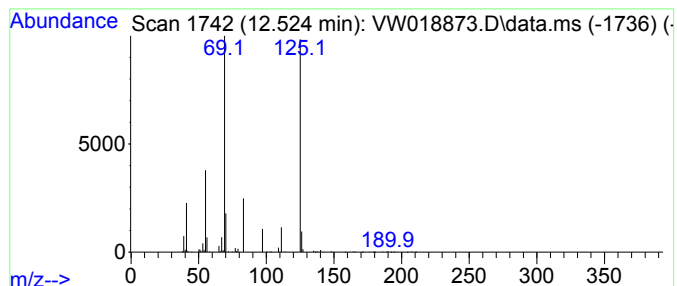
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Cyclic12.524 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.524	5.42 ug/L	375927	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-2-o...	378	C27H54	055282-34-3	64
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	59
3			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	45
4			Zinc, bis[2-(1,1-dimethylethyl)-...	314	C18H34Zn	074793-36-5	39
5			Borinic acid, diethyl-, anhydride	154	C8H20B2O	007318-84-5	39



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

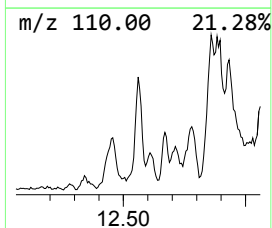
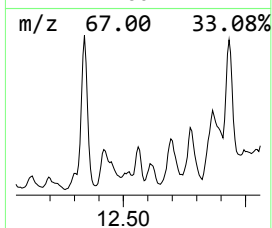
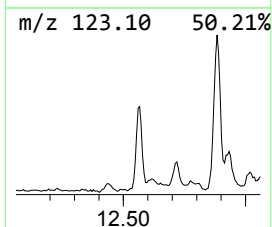
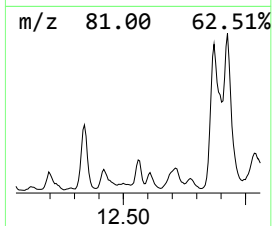
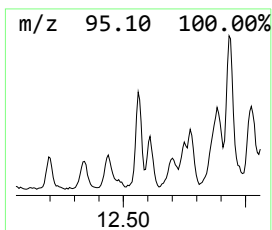
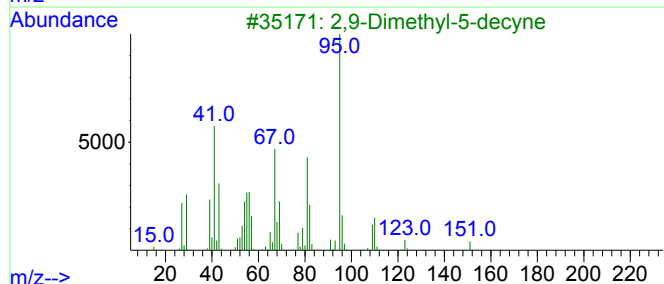
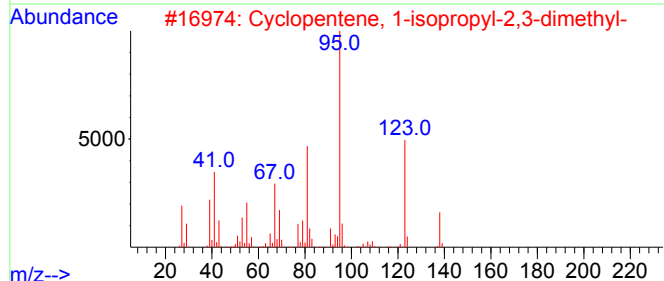
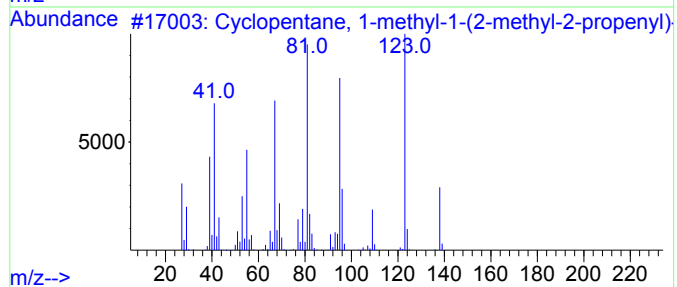
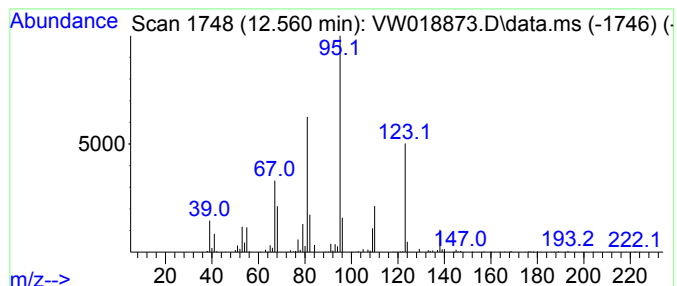
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 18 Cyclopentane, 1-methyl-1-(2... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.560	3.48 ug/L	241799	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-methyl-1-(2-meth...	138	C10H18	074764-47-9	64
2			Cyclopentene, 1-isopropyl-2,3-di...	138	C10H18	007712-73-4	58
3			2,9-Dimethyl-5-decyne	166	C12H22	019550-56-2	52
4			1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	49
5			Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

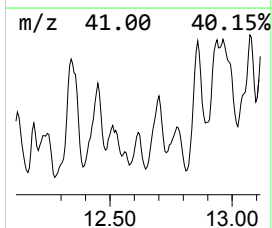
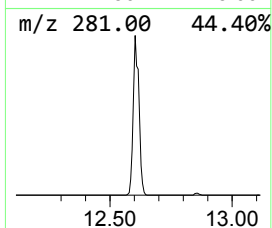
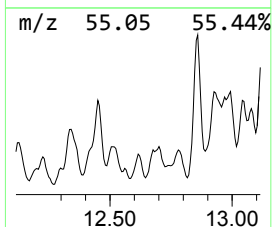
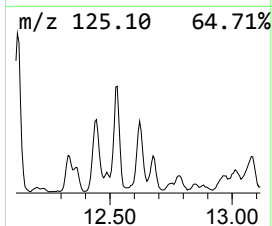
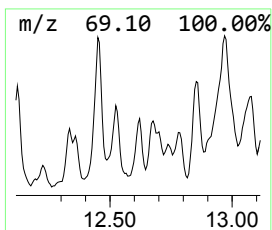
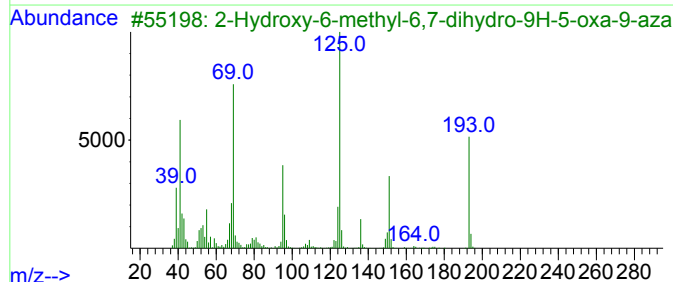
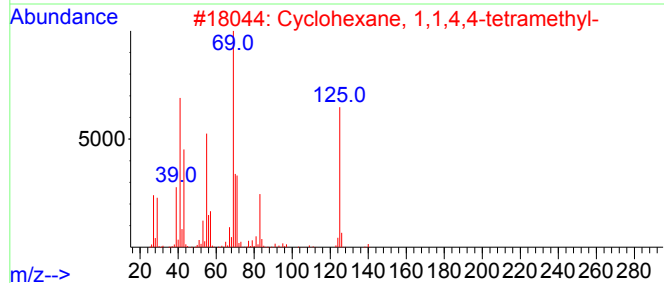
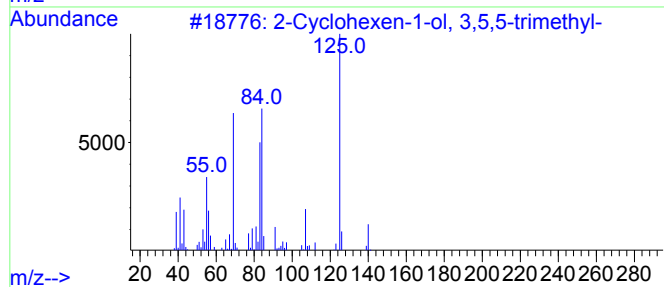
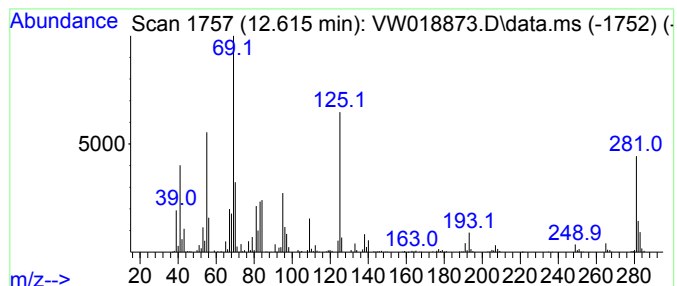
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 19 unknown-02 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.615	43.10 ug/L	778121	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclohexen-1-ol, 3,5,5-trimethyl-	140	C9H16O	000470-99-5	43		
2	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	38		
3	2-Hydroxy-6-methyl-6,7-dihydro-9...	193	C10H11NO3	1000210-15-9	38		
4	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	37		
5	Cyclooctanecarboxylic acid, 4,5-...	198	C12H22O2	061141-73-9	37		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

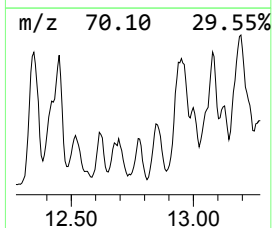
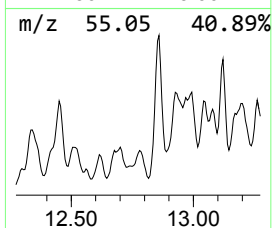
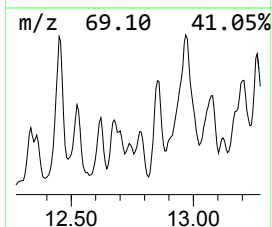
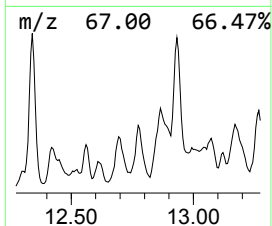
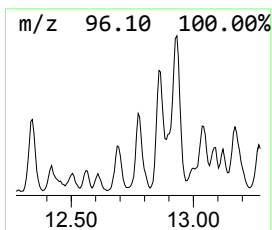
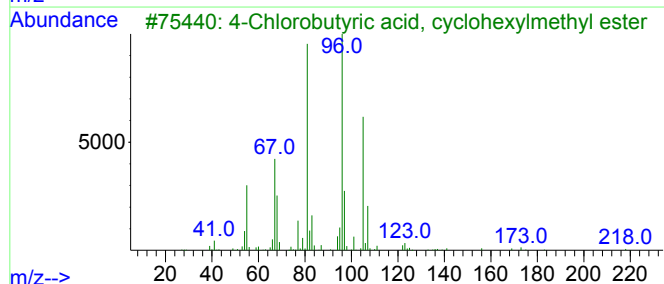
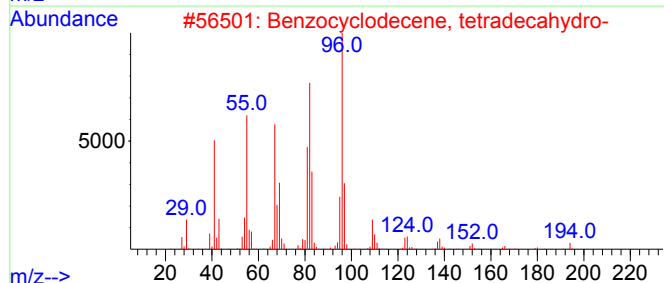
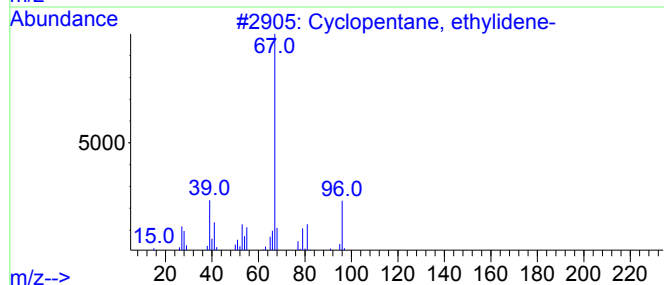
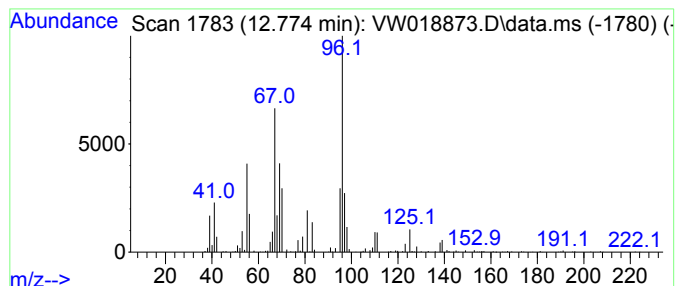
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 20 unknown-03 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.774	46.27 ug/L	835247	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, ethylidene-	96	C7H12	002146-37-4	49
2			Benzocyclodecene, tetradecahydro-	194	C14H26	061142-06-1	42
3			4-Chlorobutyric acid, cyclohexyl...	218	C11H19ClO2	1000357-77-0	40
4			2-Cyclohexen-1-one, 4-(1-methyle...	138	C9H14O	000500-02-7	38
5			1H-Imidazole-4-ethanamine, 2-met...	125	C6H11N3	034392-54-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

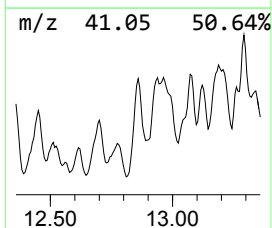
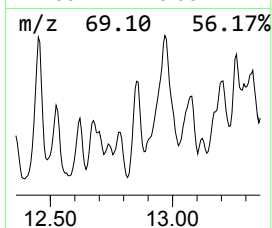
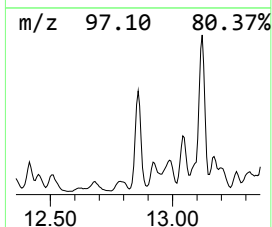
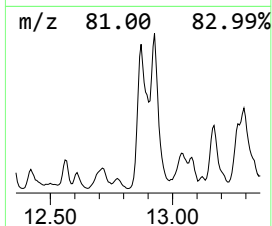
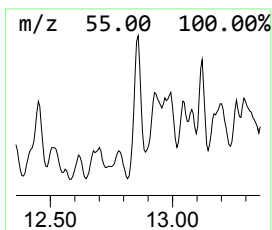
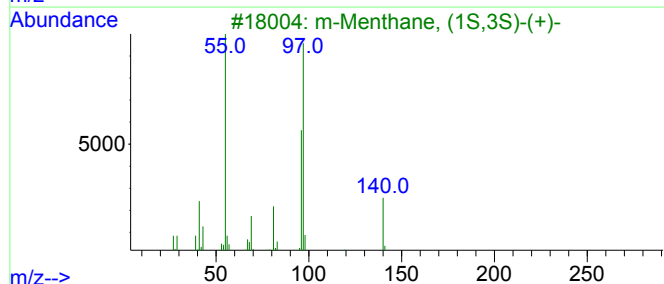
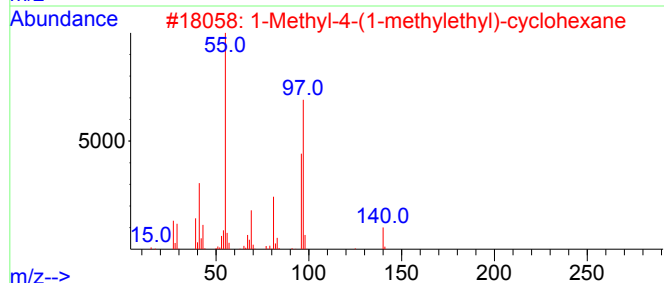
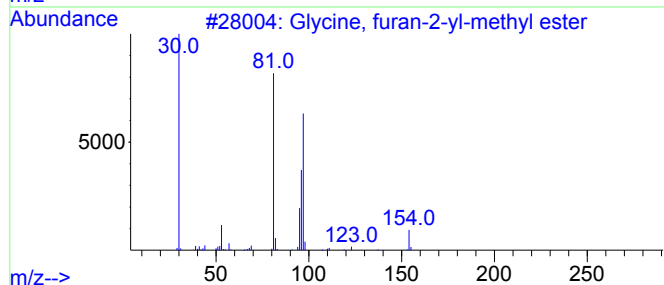
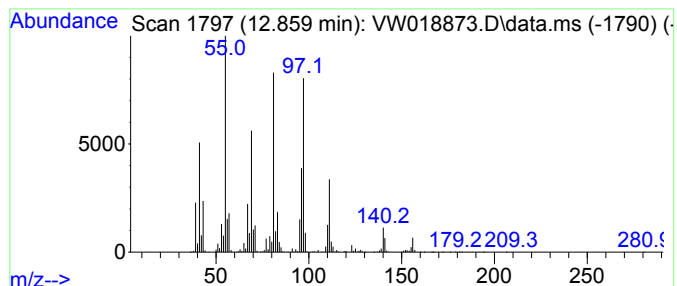
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 21 Glycine, furan-2-yl-methyl ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	199.94 ug/L	3609410	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Glycine, furan-2-yl-methyl ester	155	C7H9NO3	1000306-78-7	52
2			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	46
3			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	46
4			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	46
5			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

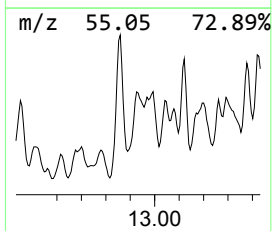
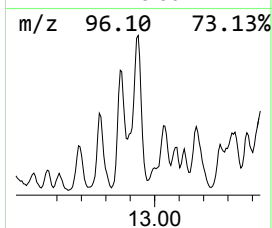
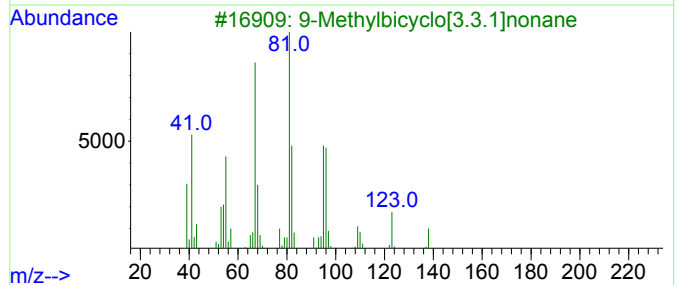
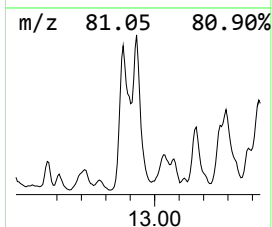
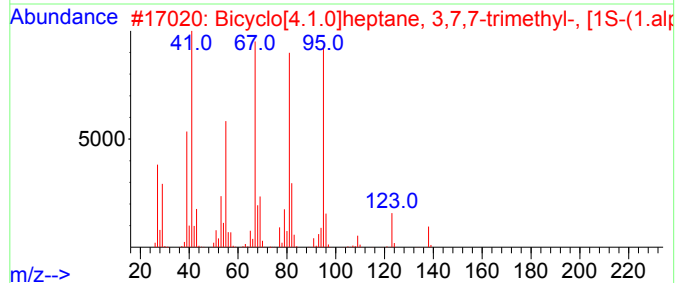
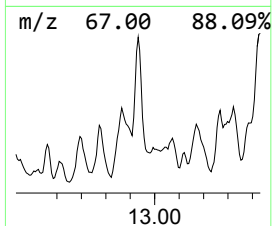
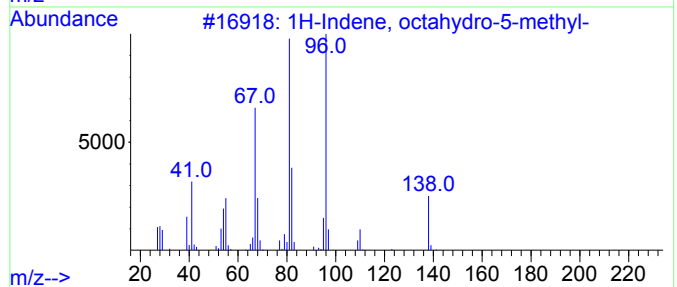
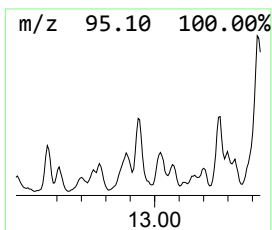
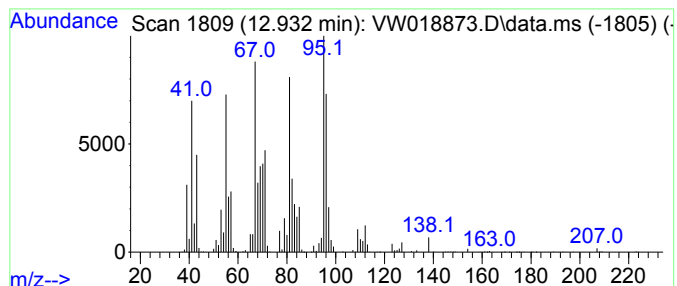
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 22 unknown-04 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.932	184.23 ug/L	3325790	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, octahydro-5-methyl-	138	C10H18	019744-64-0	46
2			Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	006069-97-2	46
3			9-Methylbicyclo[3.3.1]nonane	138	C10H18	025107-01-1	46
4			Bicyclo[3.1.0]hexan-2-one, 5-(1-...	138	C9H14O	000513-20-2	43
5			Vinylcyclopentane	96	C7H12	003742-34-5	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

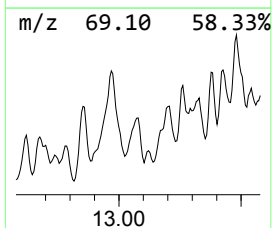
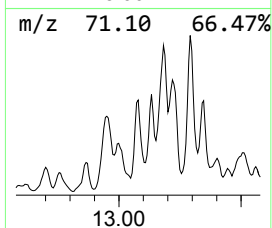
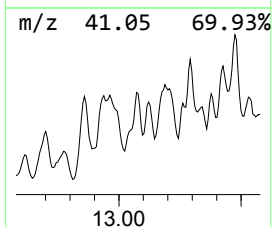
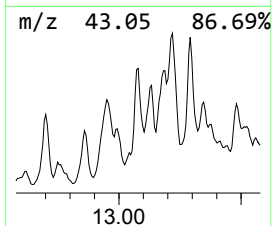
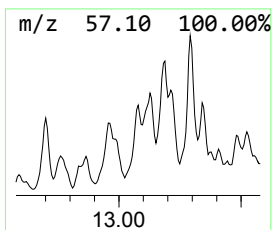
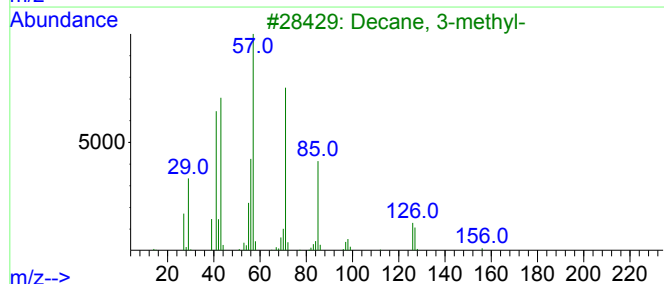
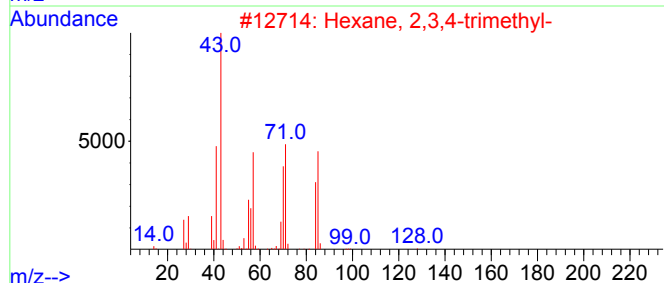
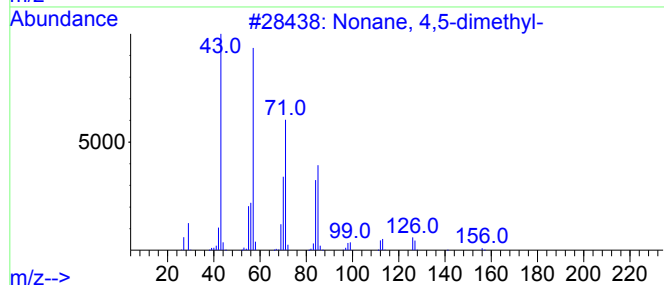
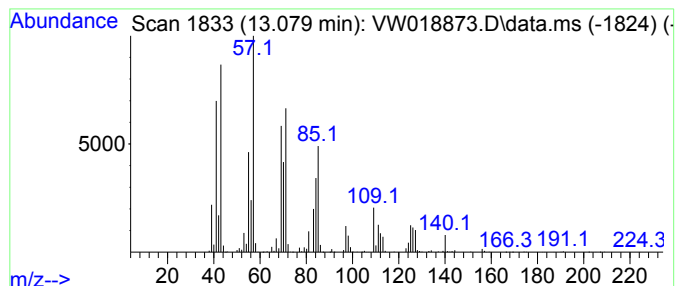
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.079	76.64 ug/L	1383480	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	89
2			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	58
3			Decane, 3-methyl-	156	C11H24	013151-34-3	55
4			Cyclononane, 1,1,4,4,7,7-hexamet...	210	C15H30	149331-19-1	53
5			Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

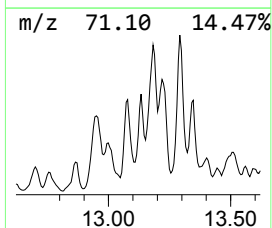
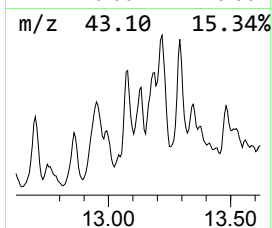
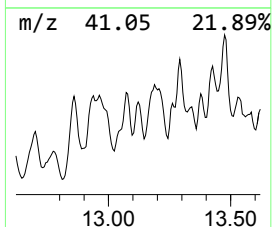
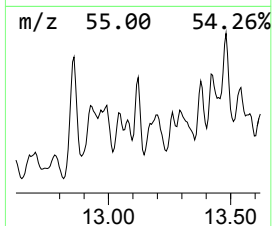
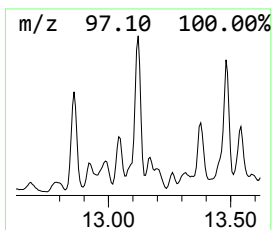
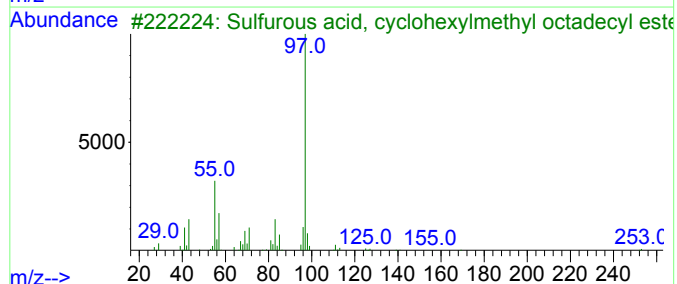
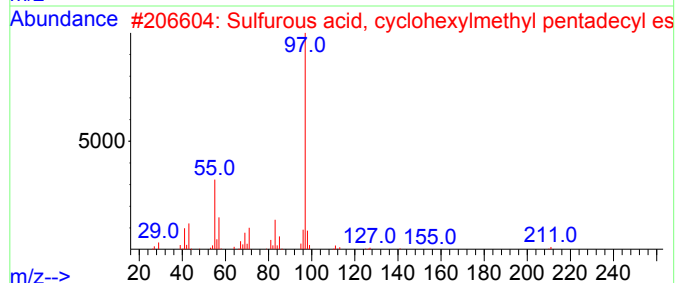
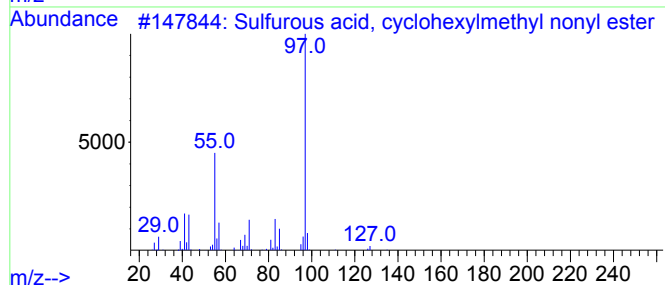
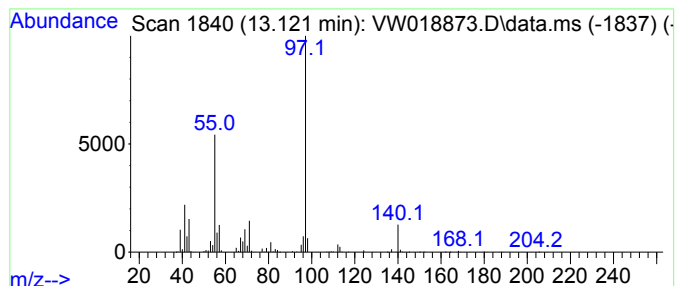
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 24 Sulfurous acid, cyclohexylm... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.121	37.55 ug/L	677897	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	304	C16H32O3S	1000309-21-8	72
2			Sulfurous acid, cyclohexylmethyl...	388	C22H44O3S	1000309-22-3	72
3			Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	72
4			Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	72
5			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

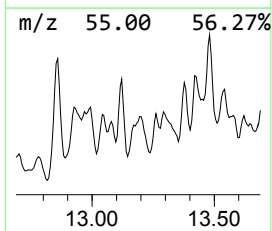
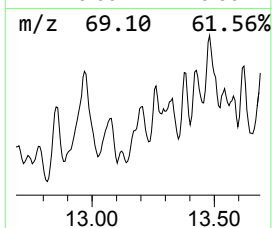
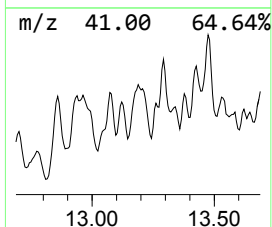
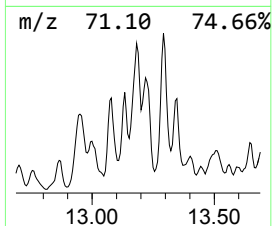
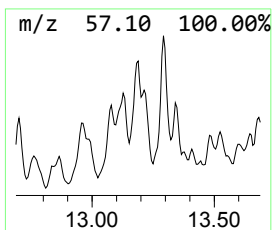
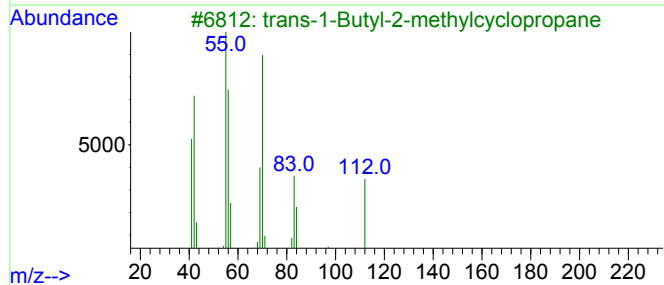
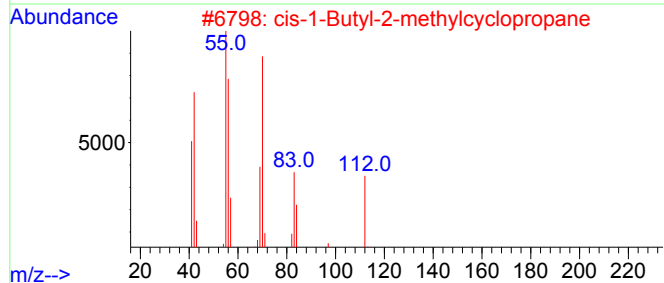
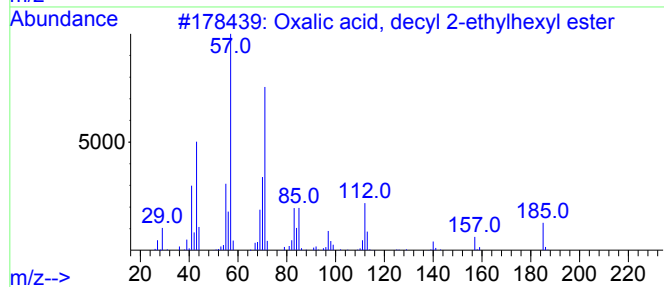
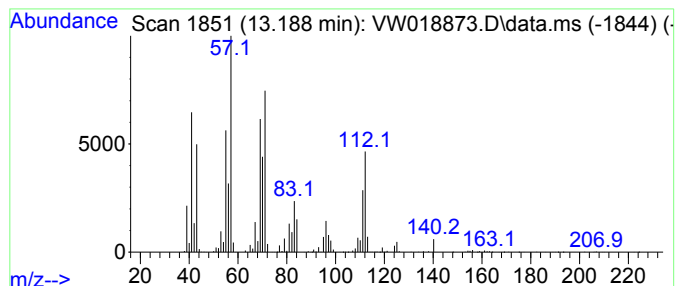
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 25 Oxalic acid, decyl 2-ethylh... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.188	85.42 ug/L	1542040	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, decyl 2-ethylhexyl ...	342	C20H38O4	1000309-39-3	50
2			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46
3			trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	46
4			2-Octene, (E)-	112	C8H16	013389-42-9	45
5			3-Octene, (Z)-	112	C8H16	014850-22-7	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

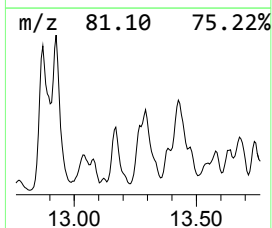
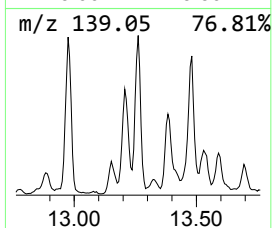
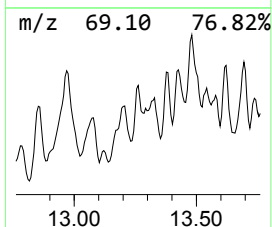
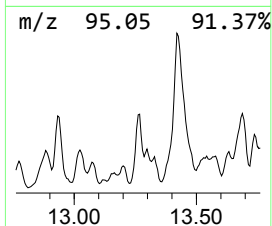
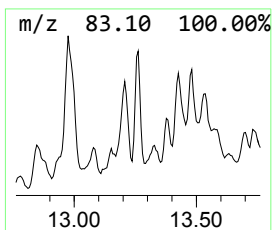
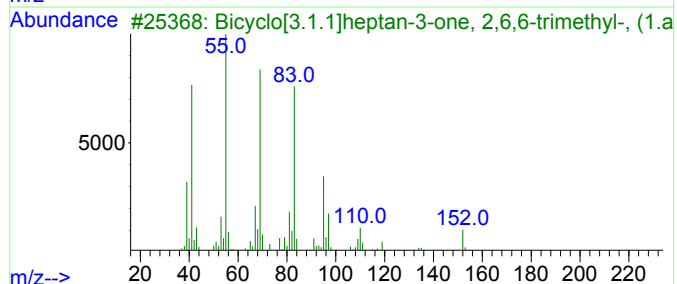
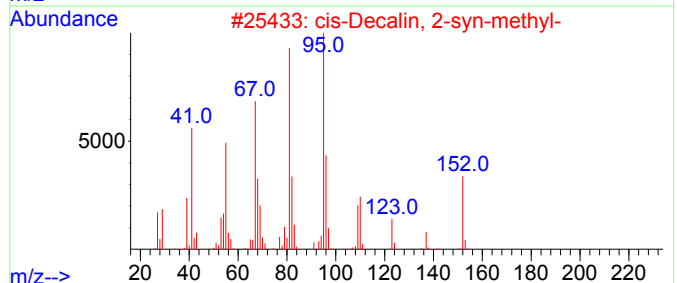
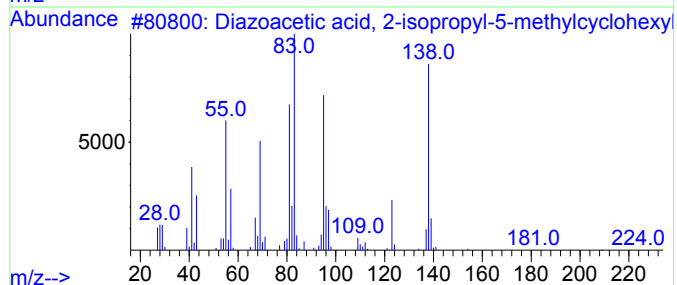
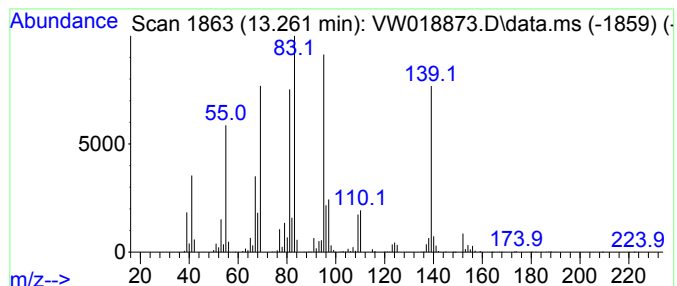
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 26 unknown-05 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.261	48.52 ug/L	875999	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Diazoacetic acid, 2-isopropyl-5-...	224	C12H20N2O2	1000188-20-3	43
2			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	38
3			Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	30
4			Spiro[2.3]hexane-5-carboxylic ac...	278	C18H30O2	1000152-25-7	30
5			1-Ethyl-5-methylcyclopentene	110	C8H14	097797-57-4	20



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

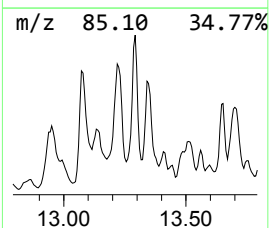
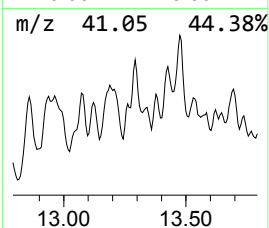
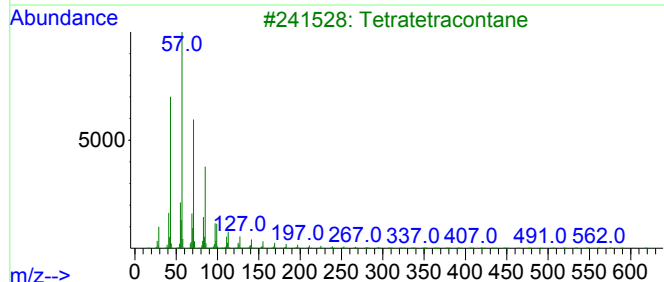
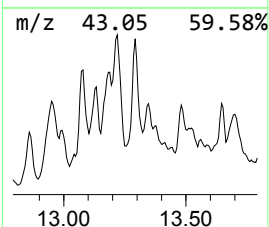
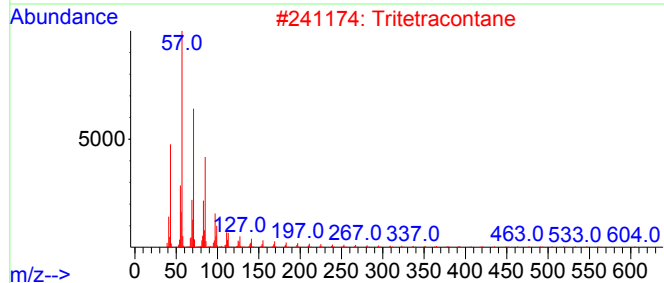
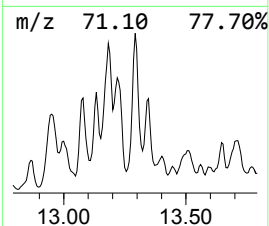
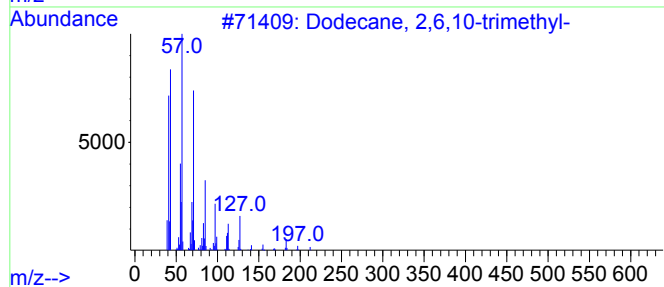
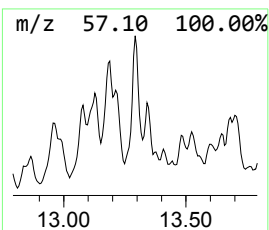
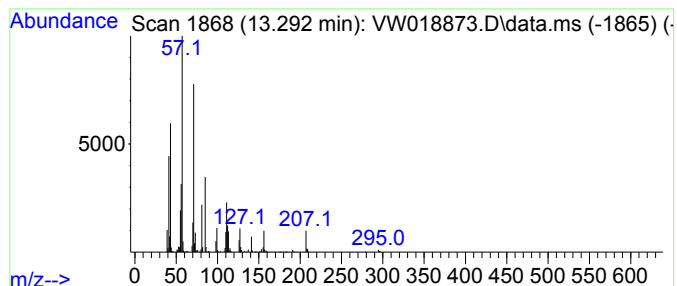
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	60.88 ug/L	1099020	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	53
2		Tritetracontane	605	C43H88	007098-21-7	53
3		Tetratetracontane	619	C44H90	007098-22-8	53
4		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	52
5		Tetradecane	198	C14H30	000629-59-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

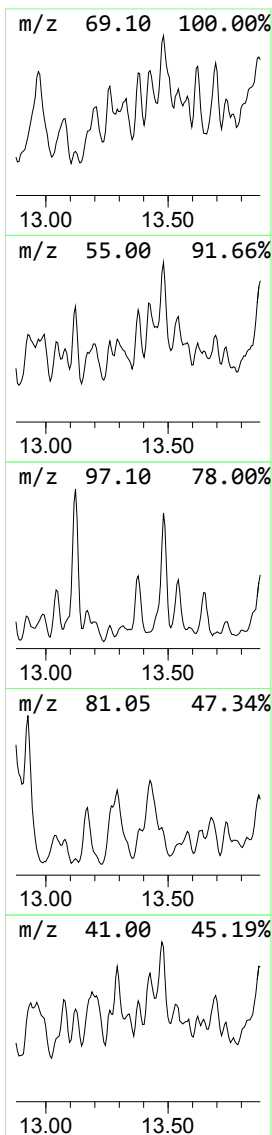
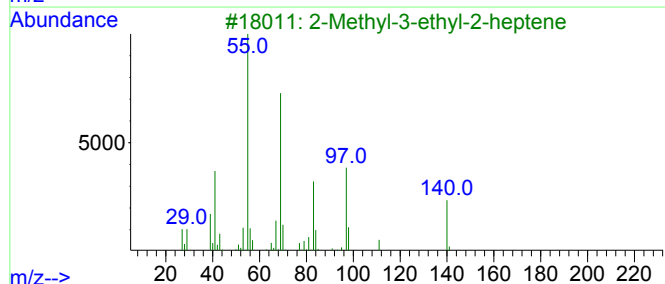
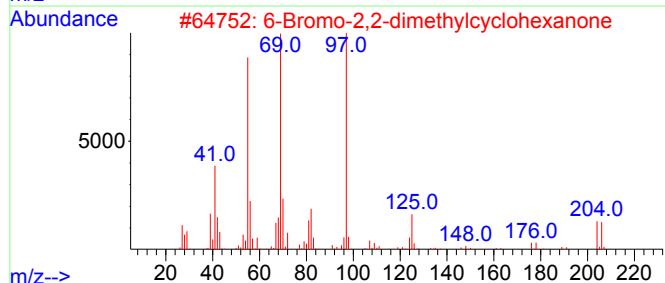
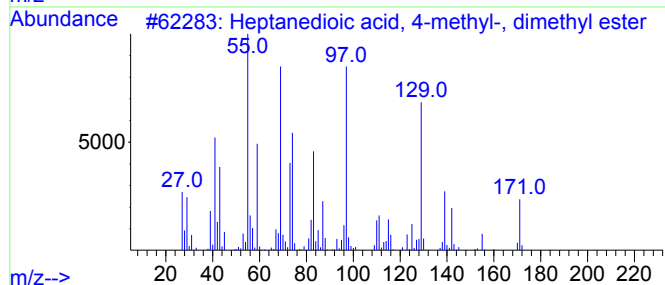
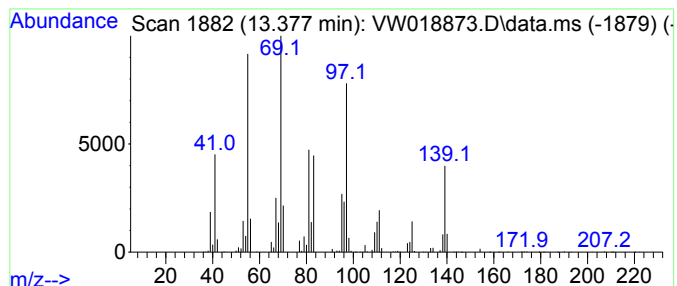
Instrument :
MSVOA_W
ClientSampleId :
BG590

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 28 Heptanedioic acid, 4-methyl... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.377	39.93 ug/L	720902	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptanedioic acid, 4-methyl-, di...		202	C10H18O4	004751-49-9	64
2	6-Bromo-2,2-dimethylcyclohexanone		204	C8H13BrO	021690-26-6	38
3	2-Methyl-3-ethyl-2-heptene		140	C10H20	019780-61-1	38
4	Cyclohexane, 1-(cyclohexylmethyl...		194	C14H26	054824-04-3	22
5	Trans-1-methyl-2-nonyl-cyclohexane		224	C16H32	1000371-47-8	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

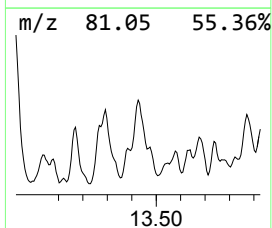
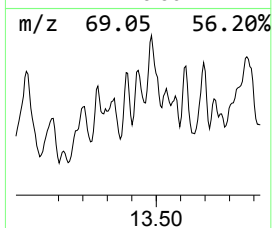
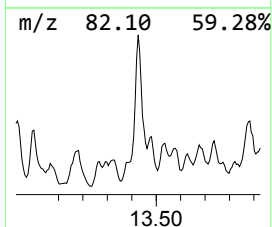
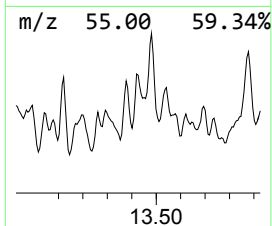
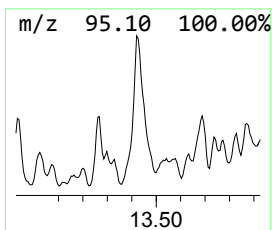
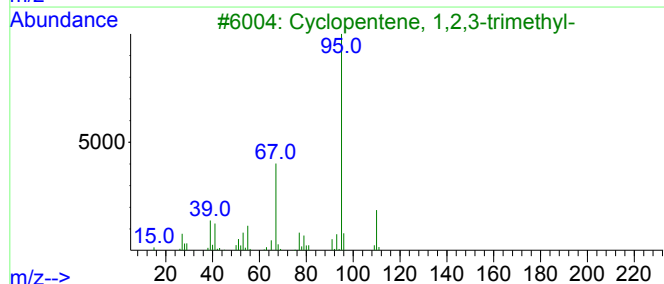
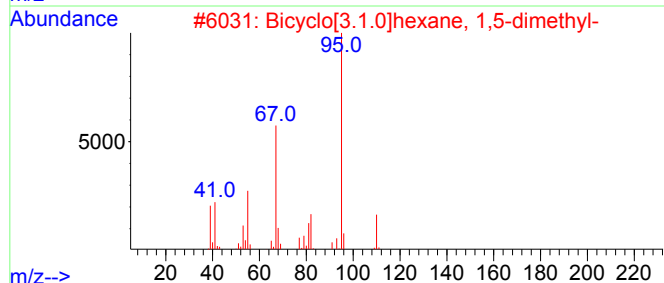
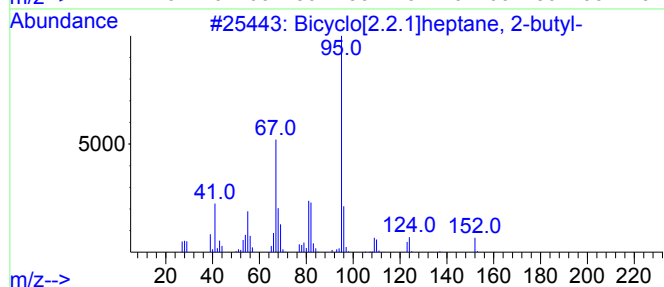
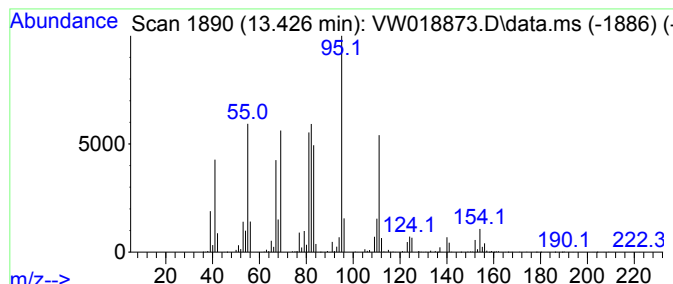
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 29 unknown-06 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.426	105.83 ug/L	1910540	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Bicyclo[2.2.1]heptane, 2-butyl-	152	C11H20	061177-16-0	45
2		Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	43
3		Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	43
4		1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	38
5		Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

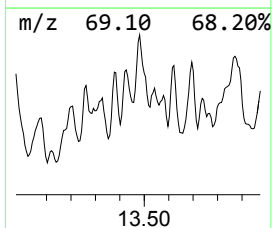
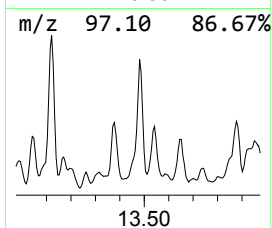
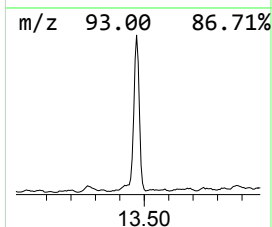
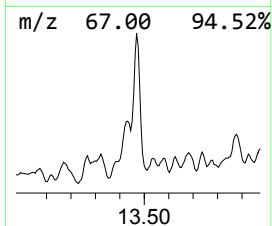
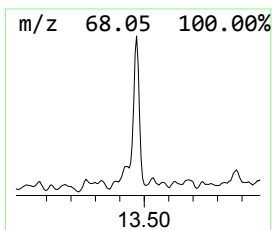
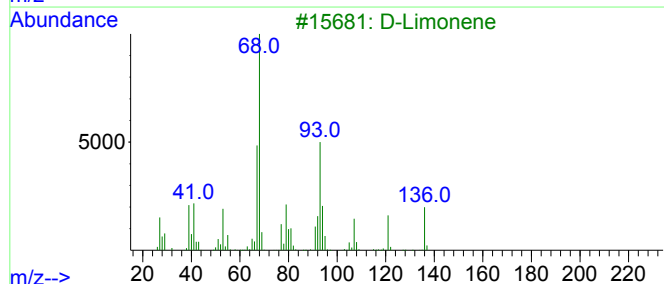
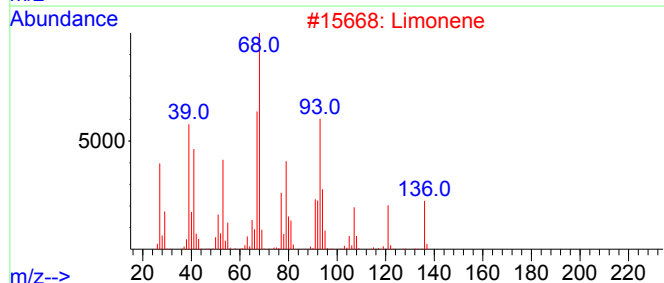
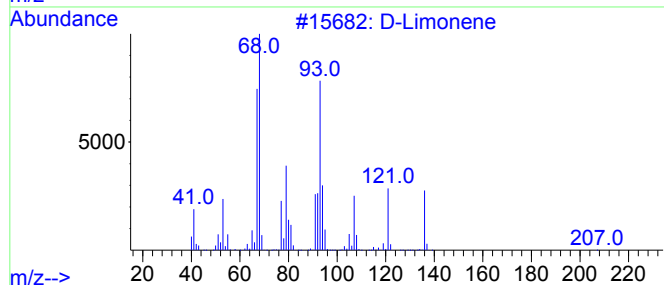
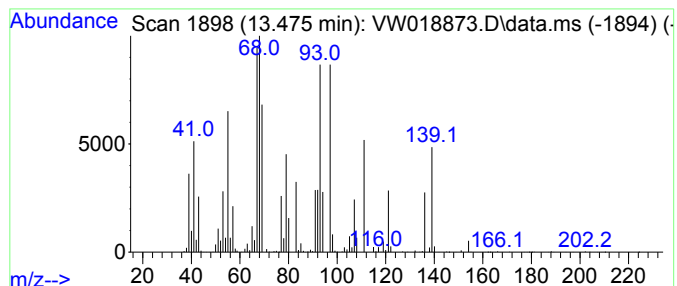
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 30 D-Limonene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.475	182.78 ug/L	3299690	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		D-Limonene	136	C10H16	005989-27-5	98
2		Limonene	136	C10H16	000138-86-3	83
3		D-Limonene	136	C10H16	005989-27-5	64
4		D-Limonene	136	C10H16	005989-27-5	55
5		Limonene	136	C10H16	000138-86-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

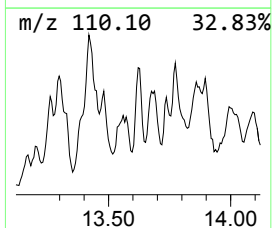
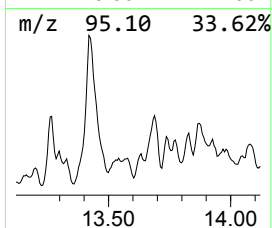
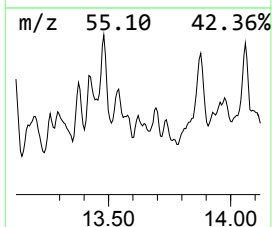
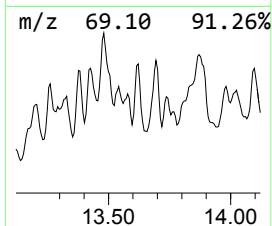
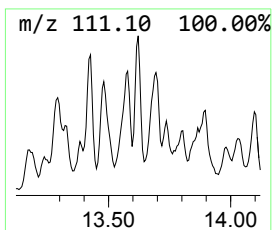
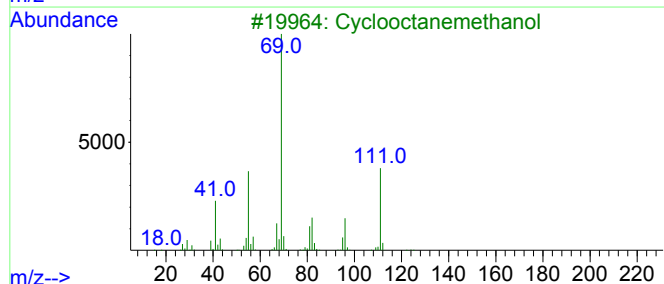
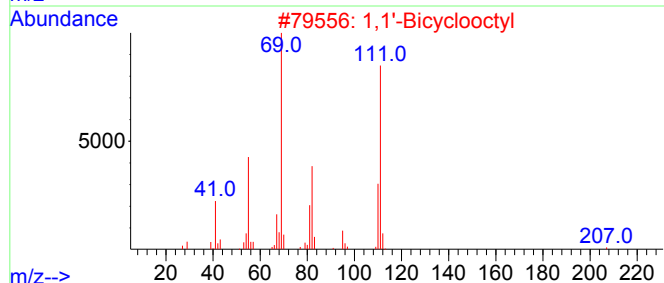
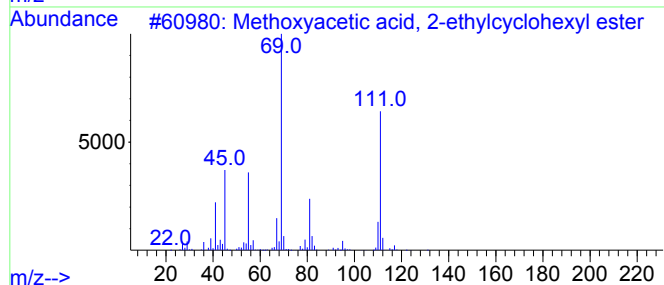
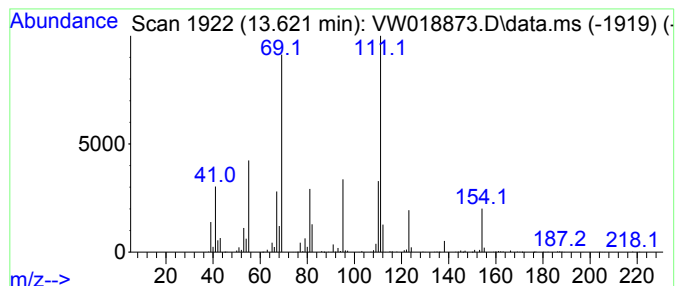
Instrument :
MSVOA_W
ClientSampleId :
BG590

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 31 Methoxyacetic acid, 2-ethyl... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.621	25.00 ug/L	451313	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methoxyacetic acid, 2-ethylcyclo...	200	C11H20O3	1000282-69-7	59
2	1,1'-Bicyclooctyl	222	C16H30	006708-17-4	59
3	Cyclooctanemethanol	142	C9H18O	003637-63-6	53
4	6-Isopropyl-2,3-dihydropyran-2,4...	154	C8H10O3	035236-83-0	50
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

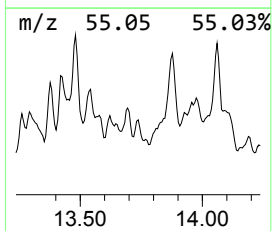
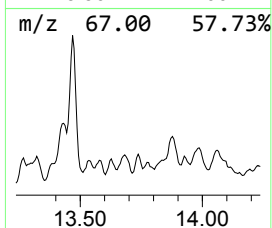
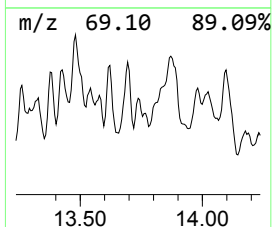
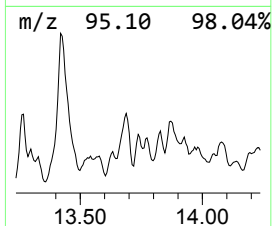
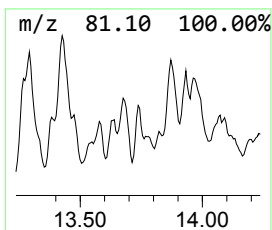
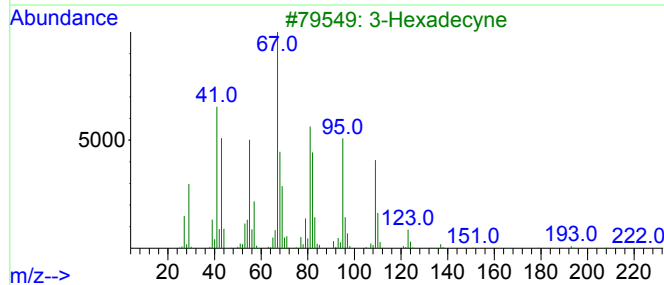
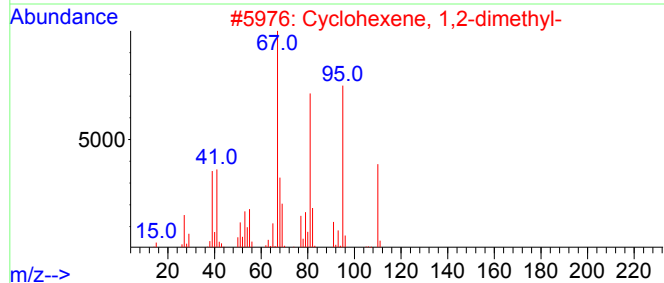
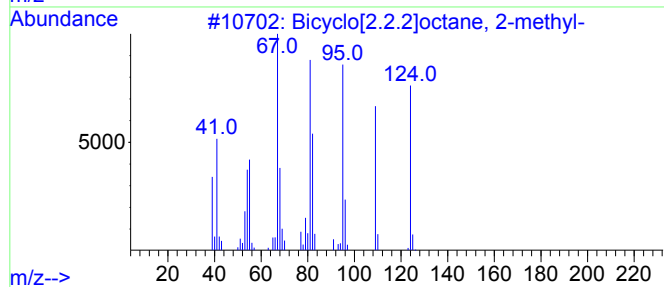
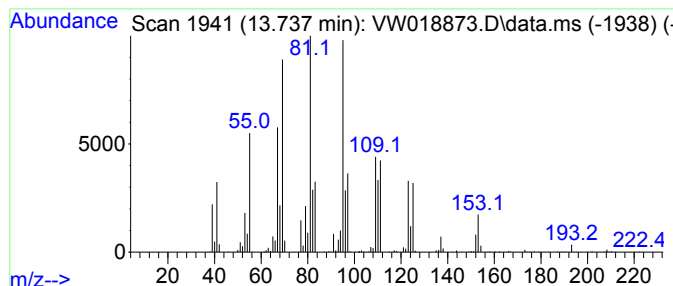
Instrument :
MSVOA_W
ClientSampleId :
BG590

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 32 Bicyclo[2.2.2]octane, 2-met... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.737	22.91 ug/L	413648	1,4-Dichlorobenzene-d4			13.560
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.2]octane, 2-methyl-		124	C9H16	000766-53-0	55
2	Cyclohexene, 1,2-dimethyl-		110	C8H14	001674-10-8	46
3	3-Hexadecyne		222	C16H30	061886-62-2	43
4	Spiro[4.5]decan-2-one		152	C10H16O	003643-16-1	41
5	1-Ethyl-5-methylcyclopentene		110	C8H14	097797-57-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

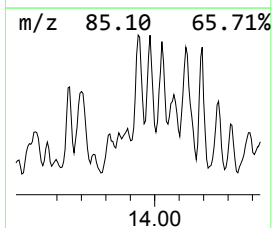
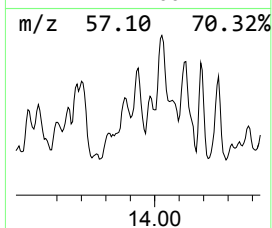
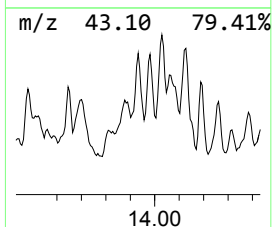
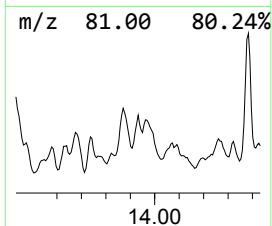
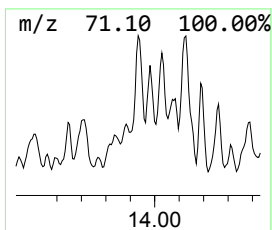
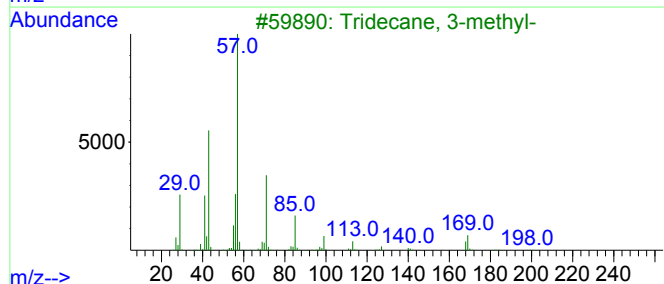
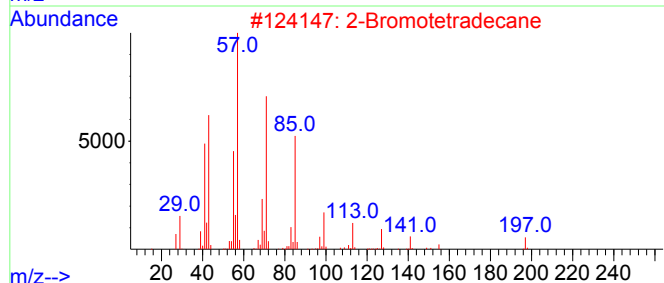
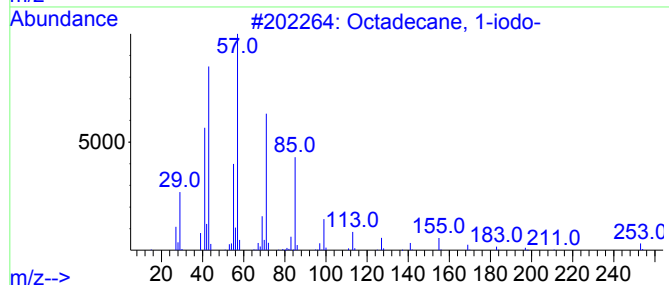
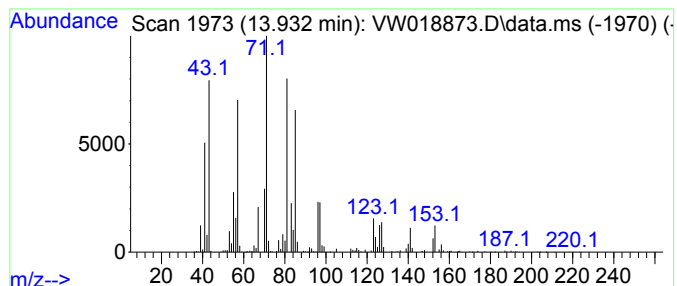
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 33 unknown-07 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.932	21.61 ug/L	390067	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	38
2		2-Bromotetradecane	276	C14H29Br	074036-95-6	38
3		Tridecane, 3-methyl-	198	C14H30	006418-41-3	38
4		Octane, 2,3,6,7-tetramethyl-	170	C12H26	052670-34-5	27
5		Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

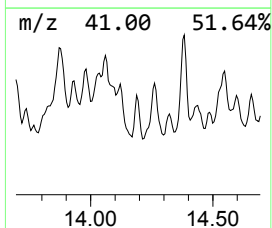
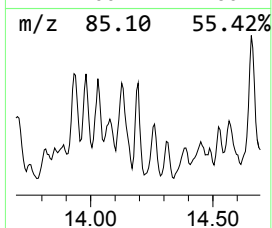
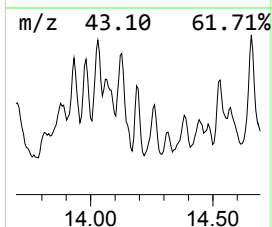
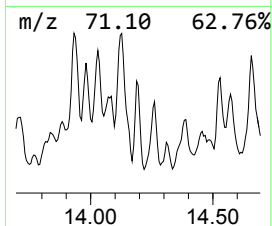
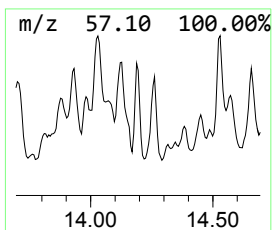
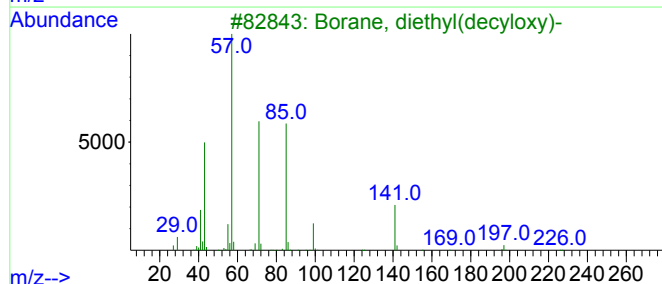
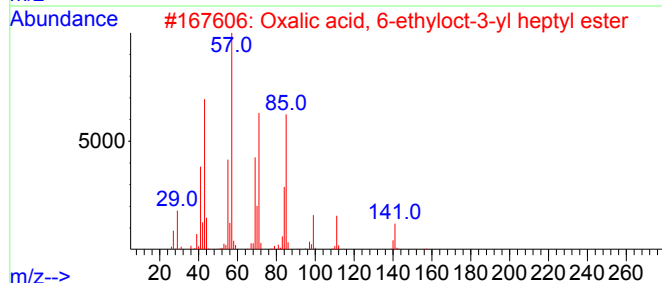
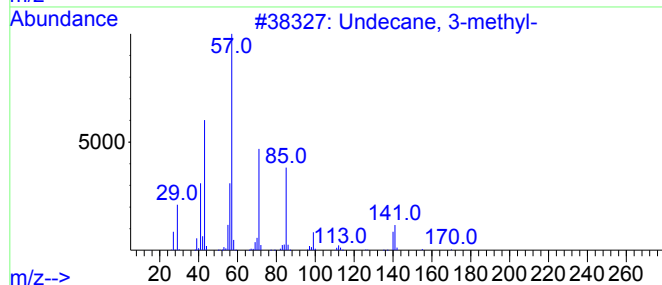
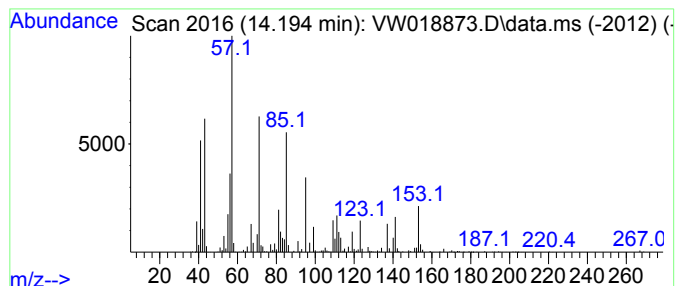
Instrument :
MSVOA_W
ClientSampleId :
BG590

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.194	34.90 ug/L	630100	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-		170	C12H26	001002-43-3	45
2	Oxalic acid, 6-ethyloct-3-yl hep...		328	C19H36O4	1000309-34-5	43
3	Borane, diethyl(decyloxy)-		226	C14H31BO	1000152-34-3	38
4	Sulfurous acid, 2-ethylhexyl iso...		278	C14H30O3S	1000309-19-0	38
5	1-Iodo-2-methylnonane		268	C10H21I	1000101-47-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

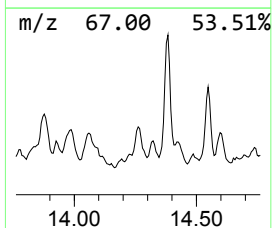
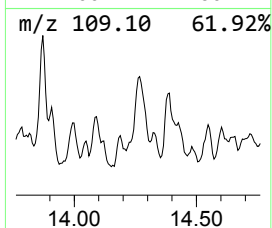
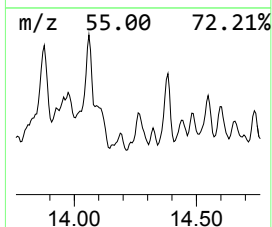
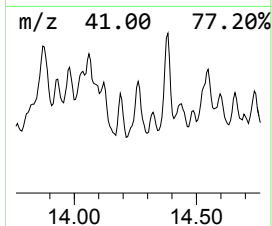
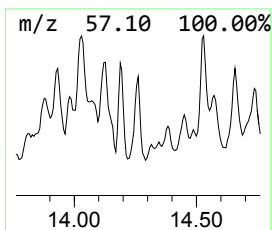
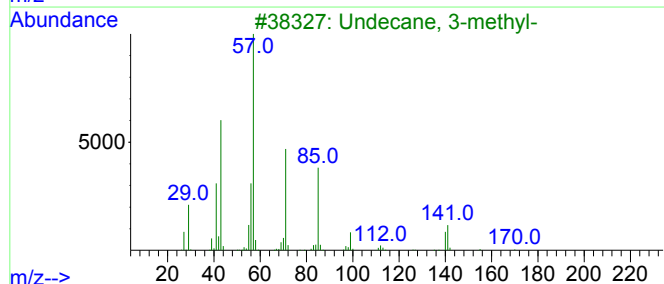
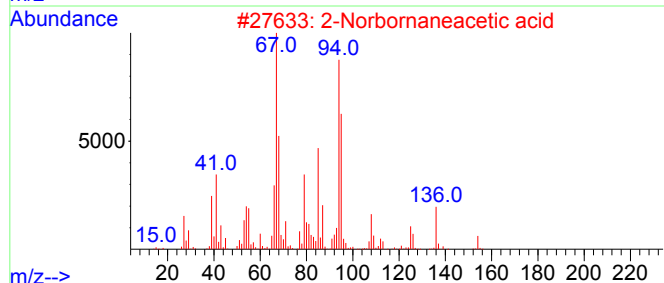
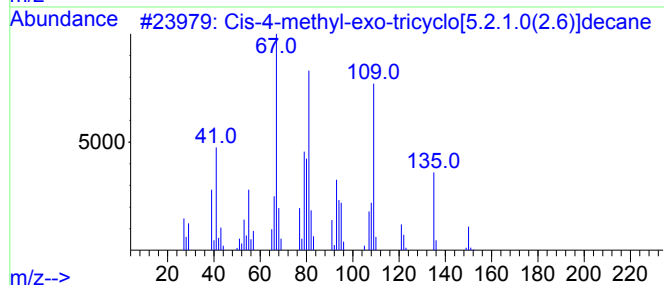
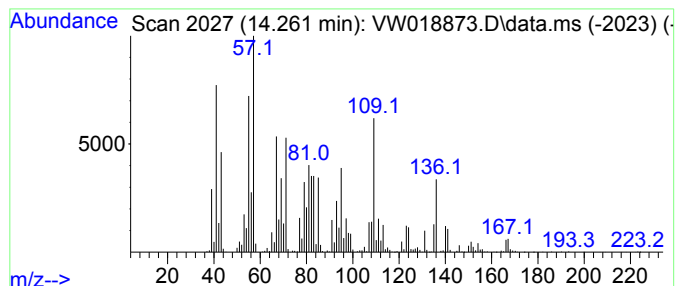
Instrument :
MSVOA_W
ClientSampleId :
BG590

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 35 unknown-08 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.261	64.05 ug/L	1156300	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cis-4-methyl-exo-tricyclo[5.2.1....		150	C11H18	1000215-29-2	38
2	2-Norbornaneacetic acid		154	C9H14O2	001007-01-8	38
3	Undecane, 3-methyl-		170	C12H26	001002-43-3	35
4	2-Naphthalenamine, 1,2,4a,5,6,7,...		165	C11H19N	056053-03-3	30
5	3,4-Octadiene, 7-methyl-		124	C9H16	037050-05-8	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

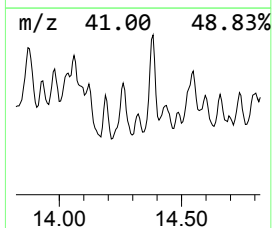
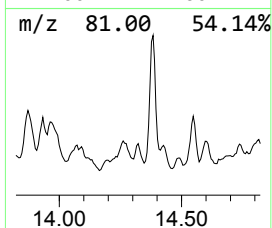
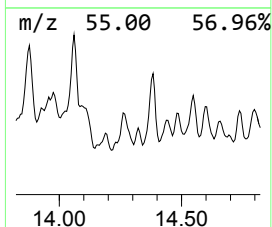
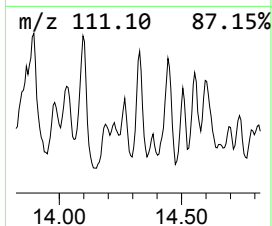
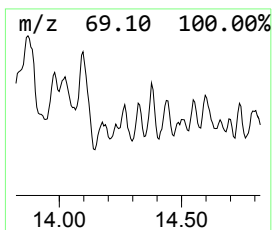
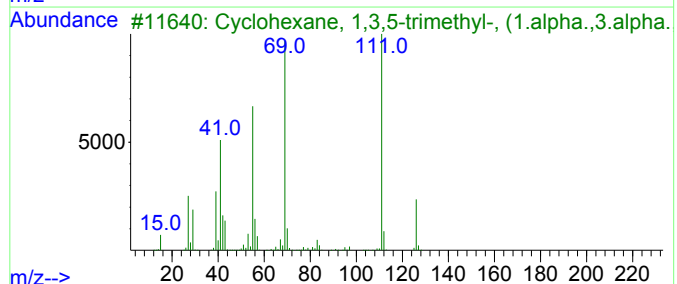
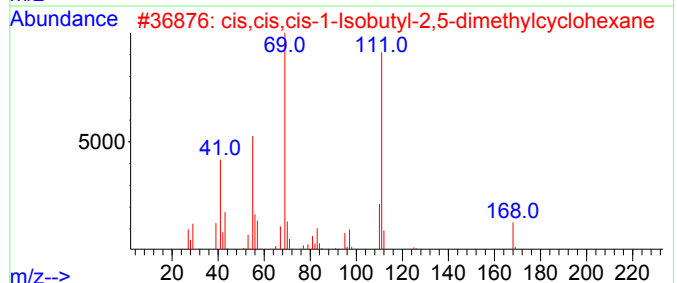
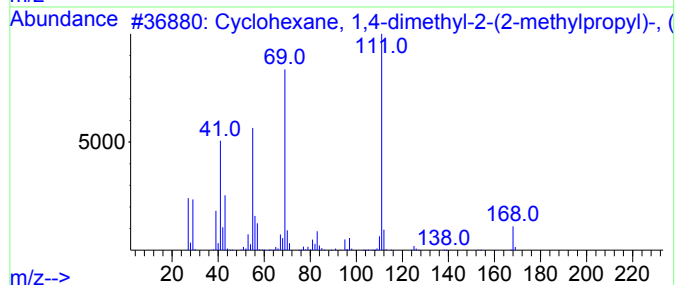
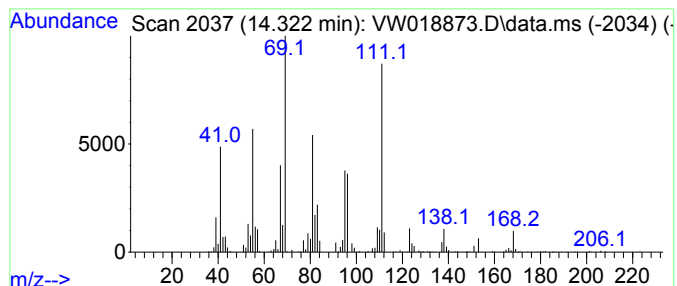
Instrument :
MSVOA_W
ClientSampleId :
BG590

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 36 (DEL) Alkane: Cyclic14.322 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.322	19.19 ug/L	346484	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-2-(2-m...	168	C12H24	054411-17-5	58
2	cis,cis,cis-1-Isobutyl-2,5-dimet...	168	C12H24	1000113-60-0	52
3	Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	47
4	endo-2-Methylbicyclo[3.3.1]nonane	138	C10H18	042558-37-2	38
5	Cyclohexane, 1,4-dimethyl-2-(2-m...	168	C12H24	054411-17-5	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
BG590

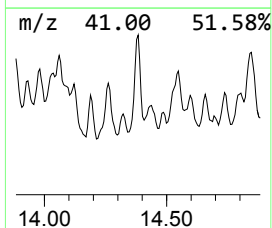
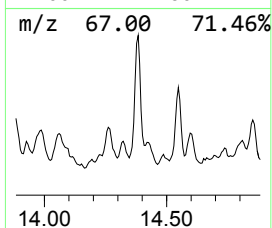
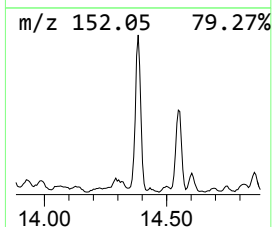
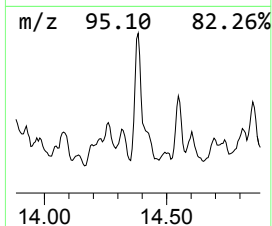
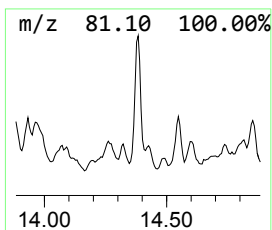
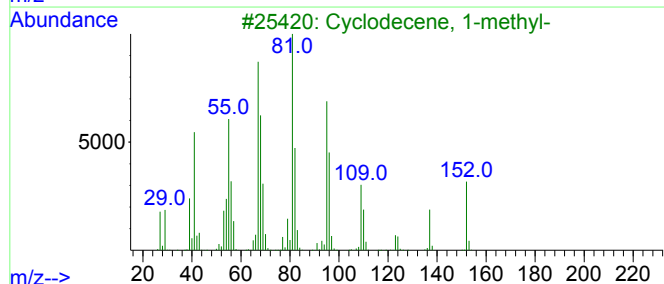
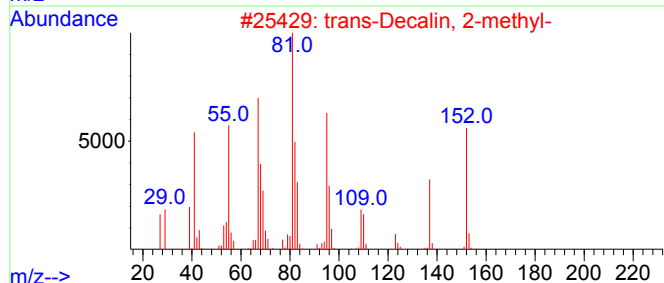
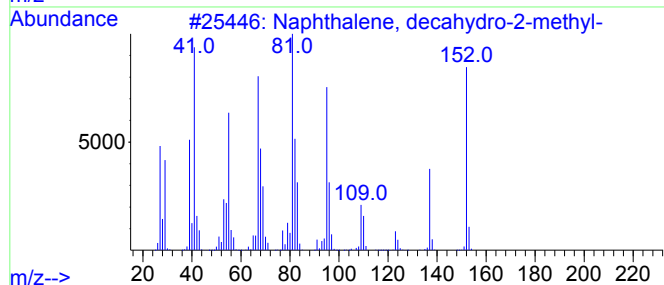
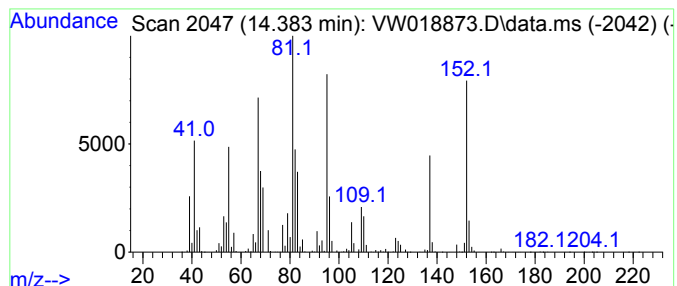
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 37 Naphthalene, decahydro-2-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	139.00 ug/L	2509280	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	93
3			Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	83
4			Pulegone	152	C10H16O	000089-82-7	70
5			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

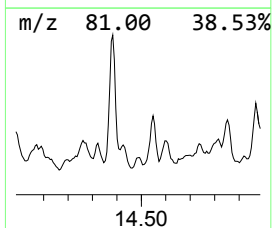
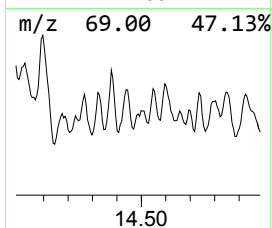
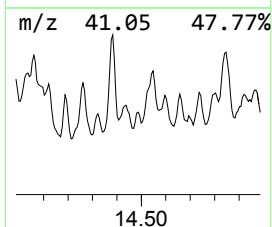
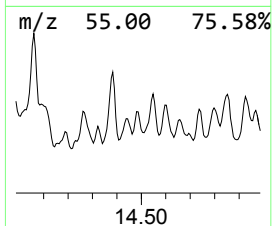
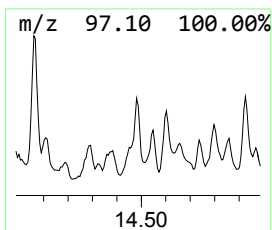
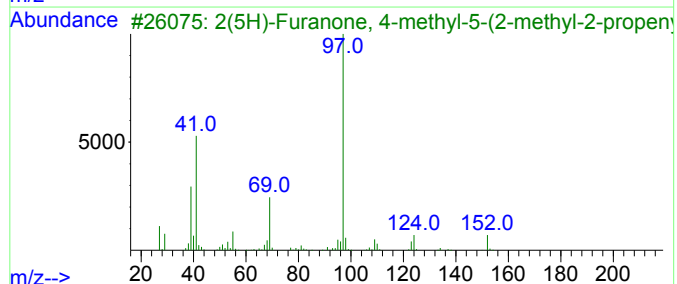
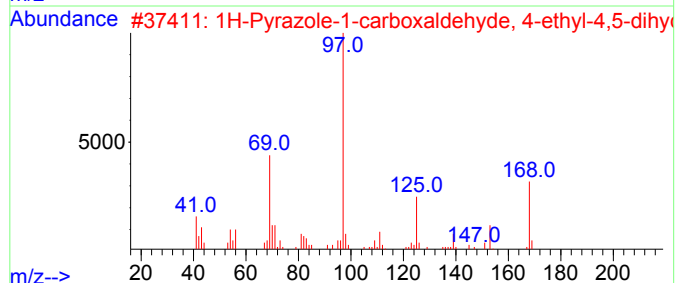
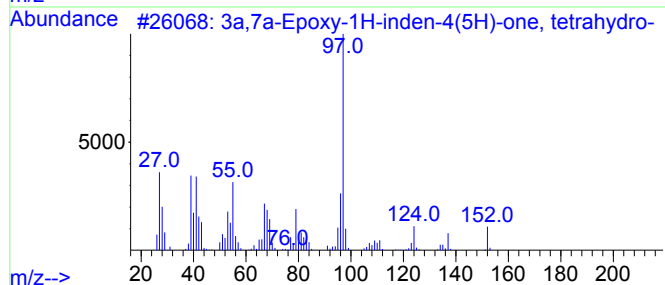
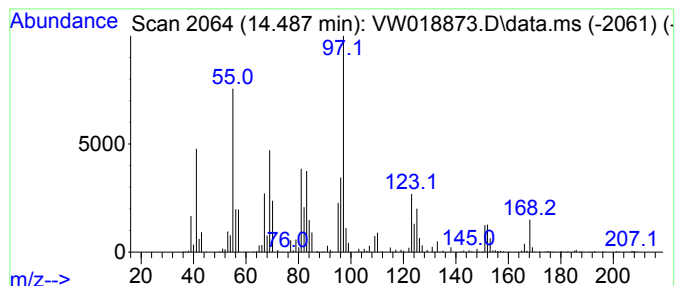
Instrument :
MSVOA_W
ClientSampleId :
BG590

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 38 3a,7a-Epoxy-1H-inden-4(5H)-... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.487	16.39 ug/L	295862	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3a,7a-Epoxy-1H-inden-4(5H)-one, ...	152	C9H12O2	039746-31-1	52
2	1H-Pyrazole-1-carboxaldehyde, 4-...	168	C9H16N2O	054411-09-5	50
3	2(5H)-Furanone, 4-methyl-5-(2-me...	152	C9H12O2	089902-24-9	47
4	1-Allyl-1-but-3-enyl-1-silacyclo...	166	C10H18Si	127597-51-7	47
5	Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

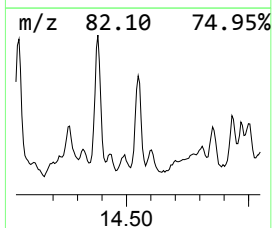
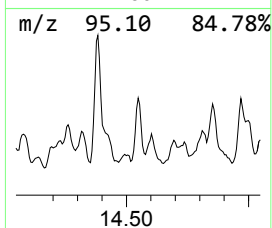
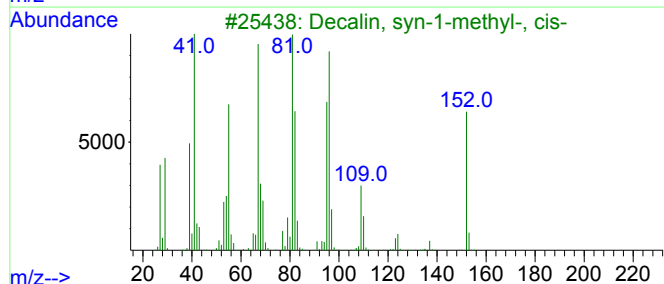
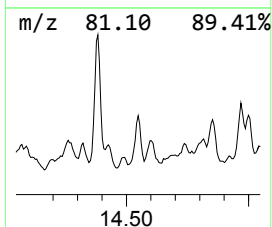
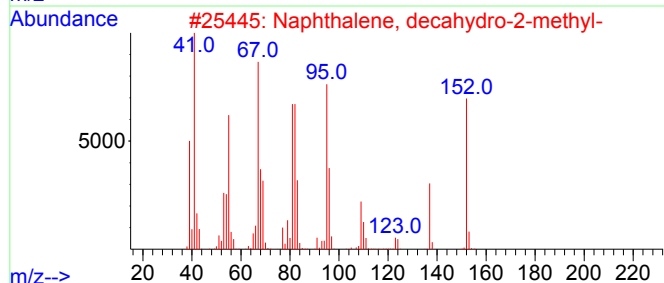
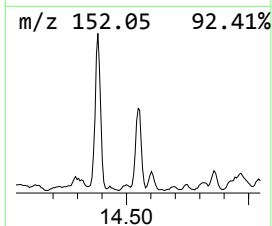
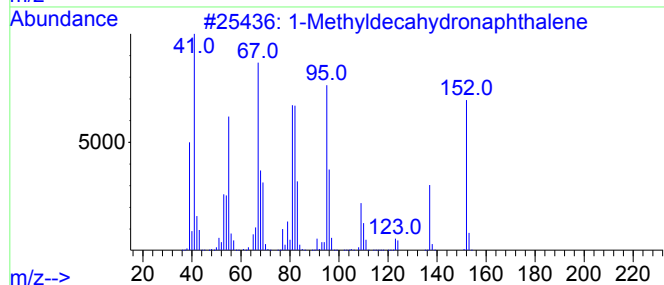
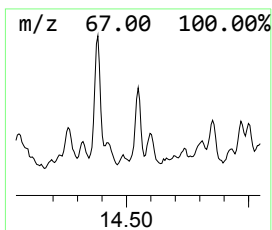
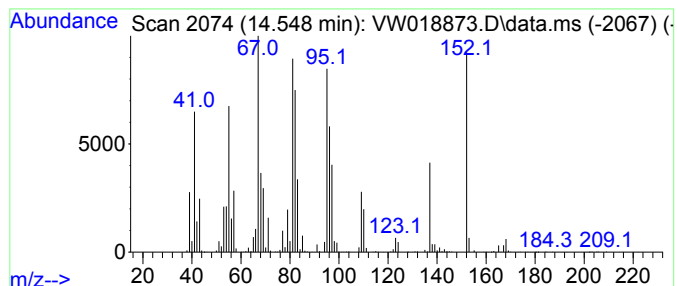
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 39 1-Methyldecahydronaphthalene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.548	98.30 ug/L	1774530	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	97
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
3			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	64
4			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	64
5			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

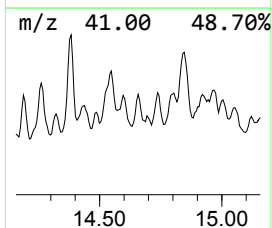
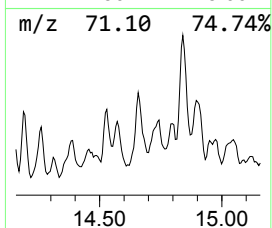
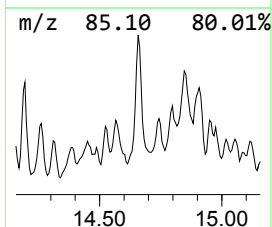
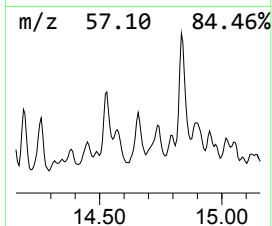
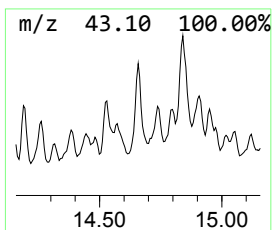
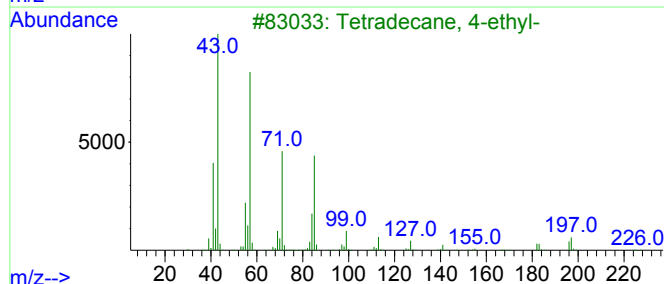
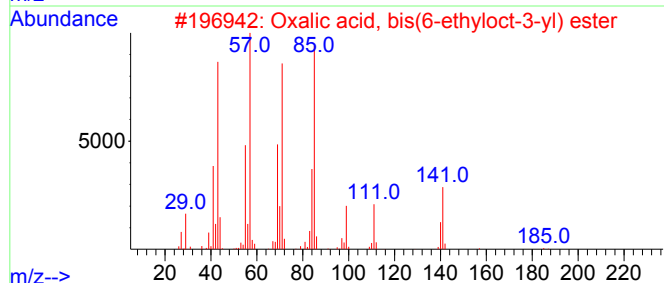
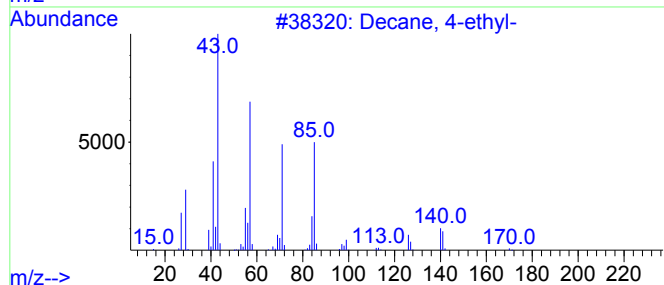
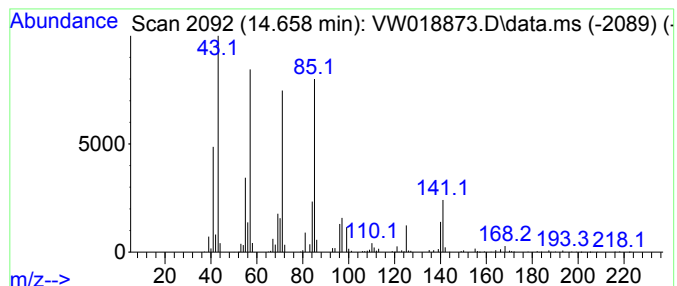
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.658	20.49 ug/L	369852	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 4-ethyl-	170	C12H26	001636-44-8	81
2			Oxalic acid, bis(6-ethyloct-3-yl...)	370	C22H42O4	1000309-34-6	68
3			Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	50
4			Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	50
5			Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

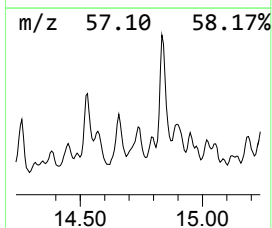
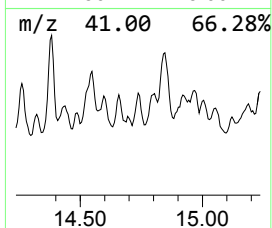
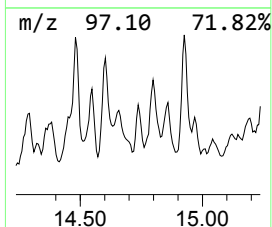
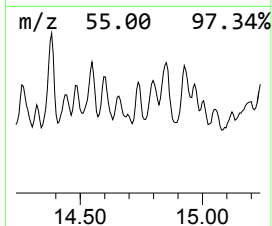
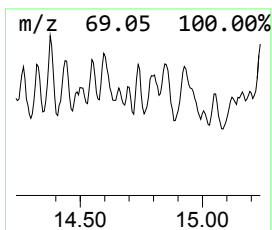
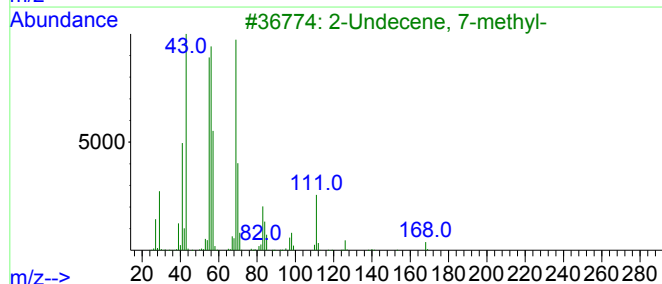
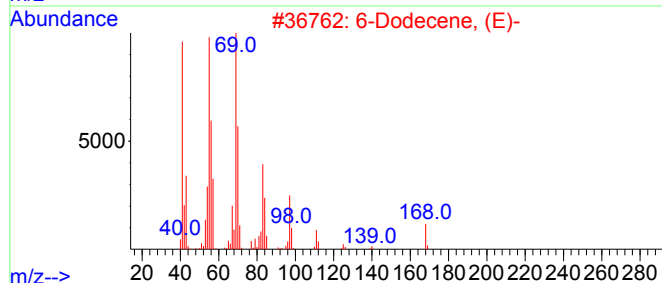
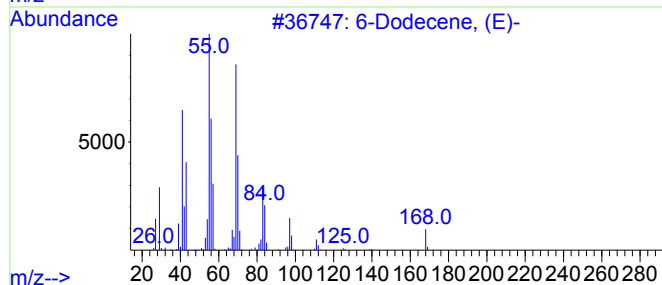
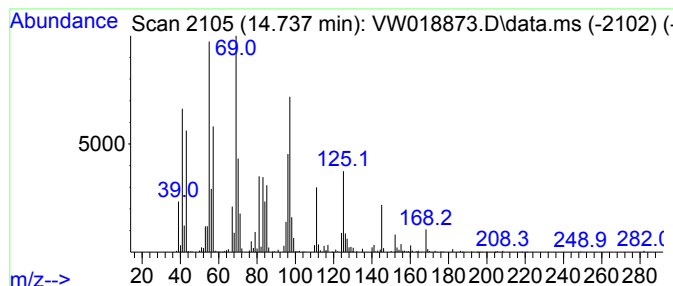
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.737	28.09 ug/L	507129	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		6-Dodecene, (E)-	168	C12H24	007206-17-9	46
2		6-Dodecene, (E)-	168	C12H24	007206-17-9	46
3		2-Undecene, 7-methyl-	168	C12H24	1000061-83-0	45
4		Cyclooctane, methyl-	126	C9H18	001502-38-1	45
5		Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

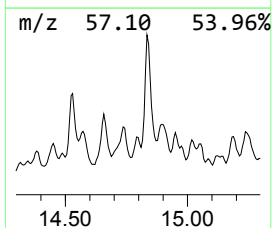
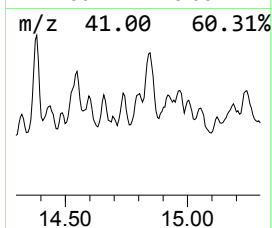
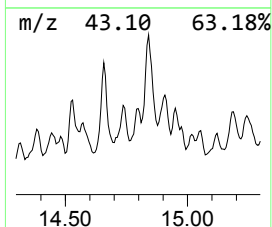
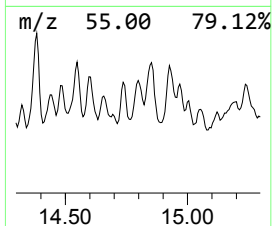
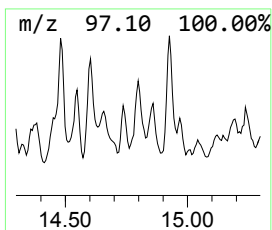
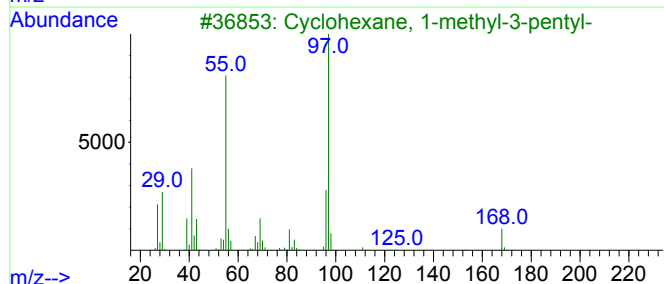
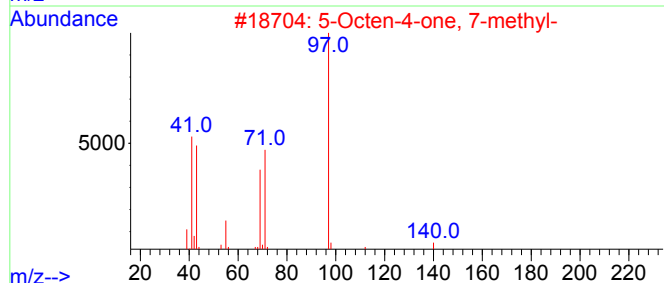
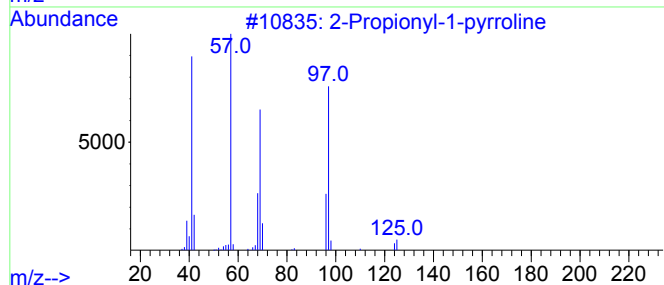
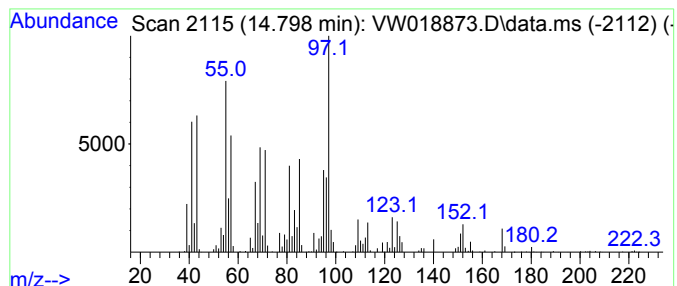
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 42 unknown-09 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.798	39.56 ug/L	714163	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Propionyl-1-pyrroline	125	C7H11NO	1000298-55-4	42
2			5-Octen-4-one, 7-methyl-	140	C9H16O	032064-78-1	41
3			Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	38
4			Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	38
5			Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

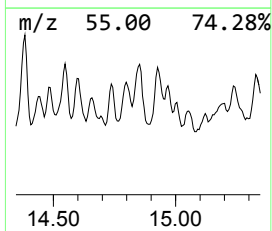
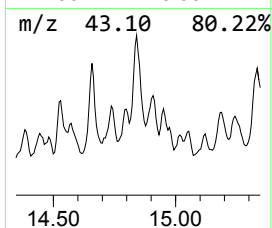
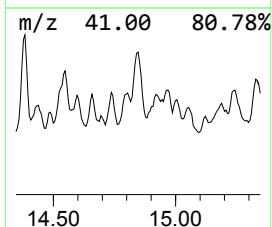
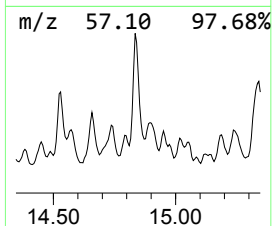
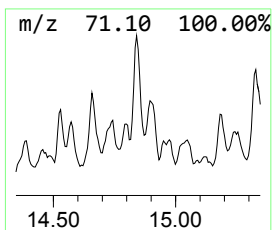
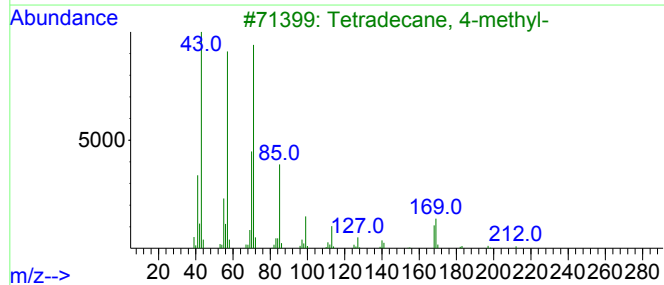
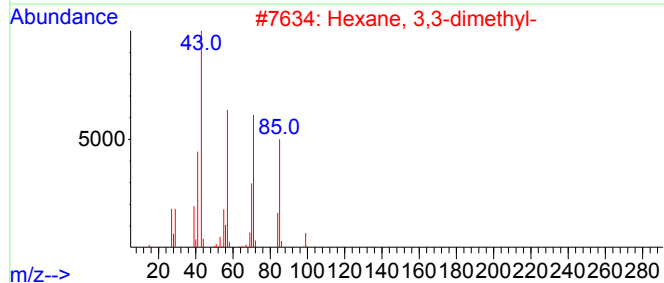
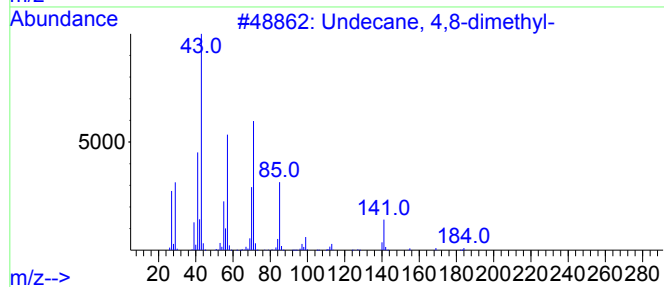
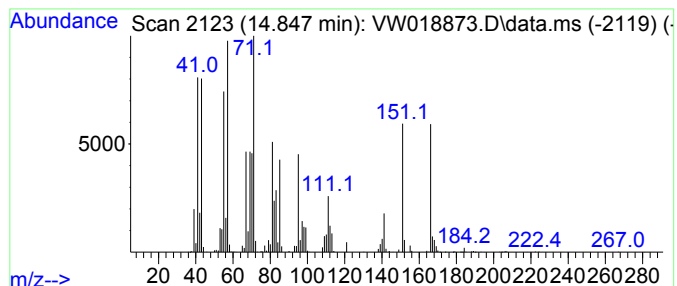
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.847	94.30 ug/L	1702430	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	46
2			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	38
3			Tetradecane, 4-methyl-	212	C15H32	025117-24-2	38
4			Undecane, 4-methyl-	170	C12H26	002980-69-0	38
5			Tridecane, 4-methyl-	198	C14H30	026730-12-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

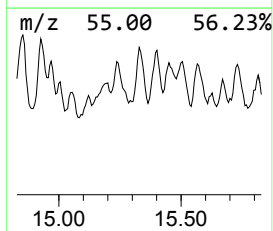
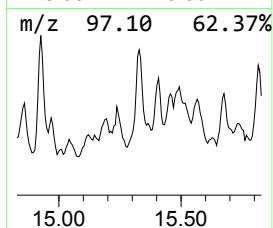
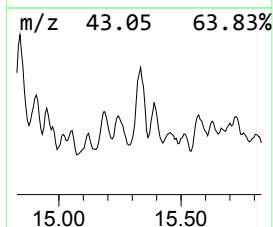
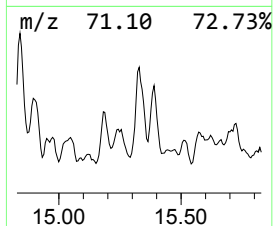
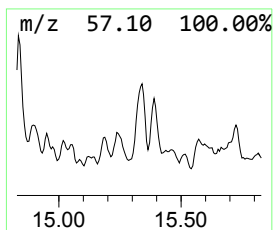
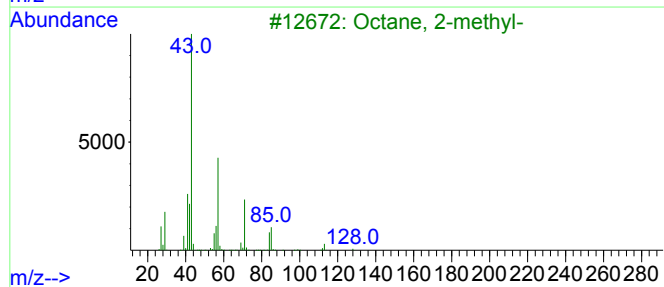
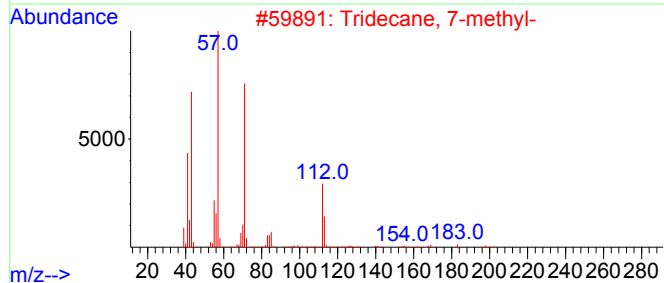
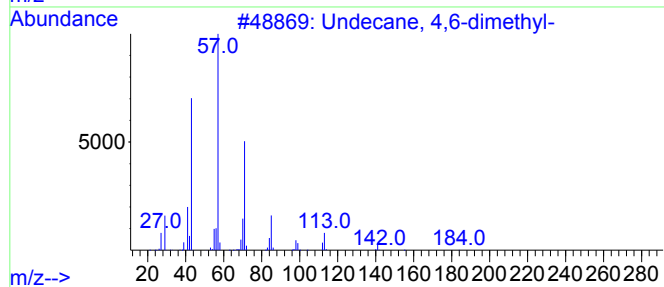
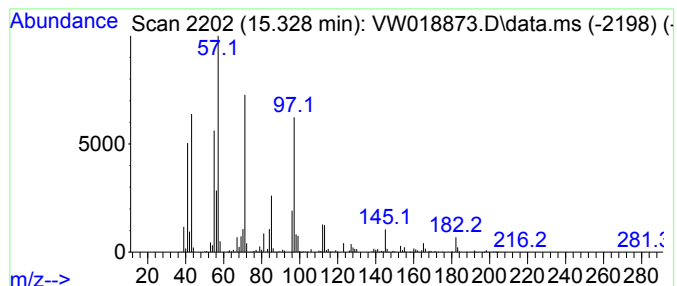
Instrument :
MSVOA_W
ClientSampleId :
BG590

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
15.328	53.69 ug/L	969326	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Undecane, 4,6-dimethyl-		184	C13H28	017312-82-2	46
2	Tridecane, 7-methyl-		198	C14H30	026730-14-3	46
3	Octane, 2-methyl-		128	C9H20	003221-61-2	46
4	Nonane, 3,7-dimethyl-		156	C11H24	017302-32-8	45
5	Decane, 5-propyl-		184	C13H28	017312-62-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

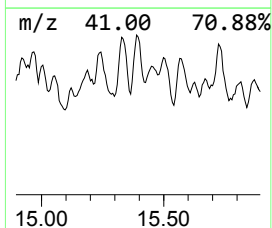
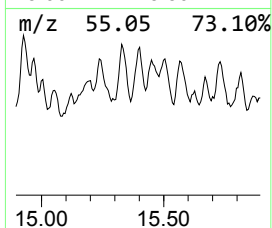
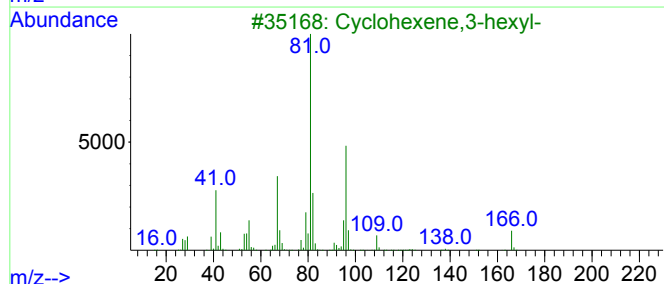
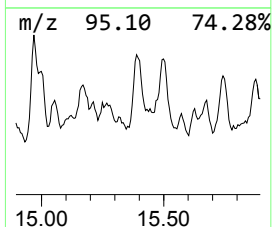
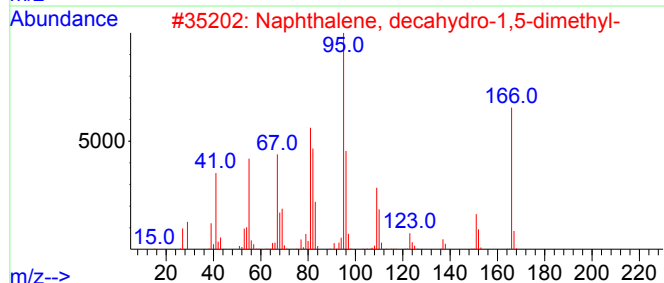
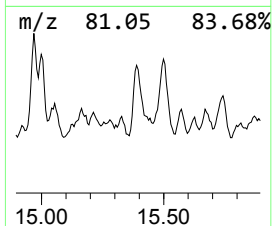
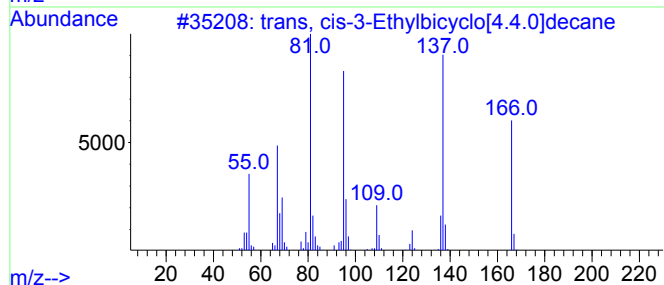
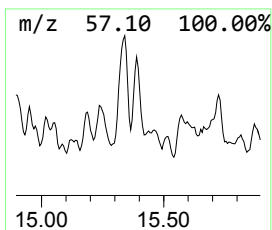
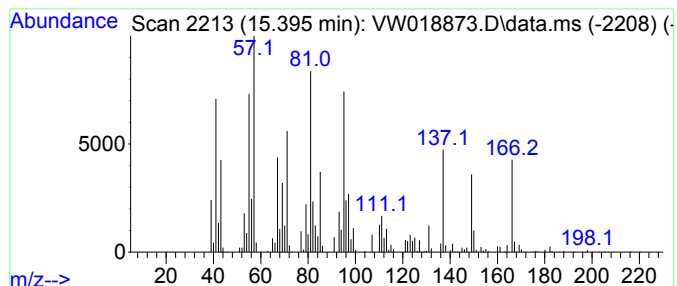
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 45 trans, cis-3-Ethylbicyclo[4... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.395	75.69 ug/L	1366380	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	64
2		Naphthalene, decahydro-1,5-dimet...	166	C12H22	066552-62-3	42
3		Cyclohexene,3-hexyl-	166	C12H22	015232-78-7	38
4		2(1H)-Pyridinone, 1-propyl-	137	C8H11NO	019006-63-4	38
5		1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	18



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
Data File : VW018873.D
Acq On : 30 Apr 2021 11:54
Operator : SY/VA
Sample : M2177-20
Misc : 5.72G/10ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG590

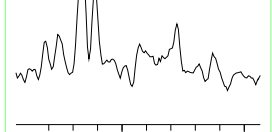
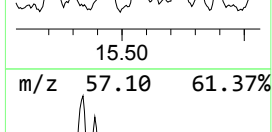
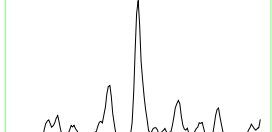
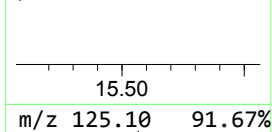
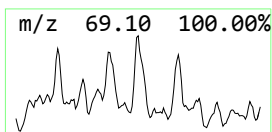
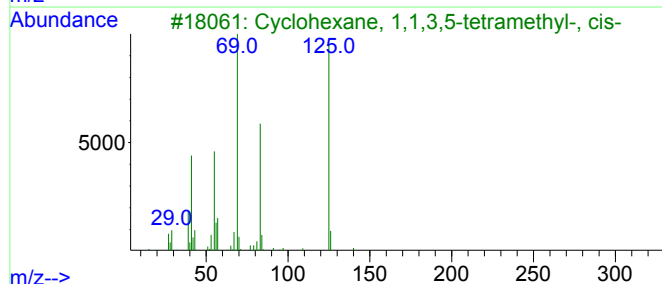
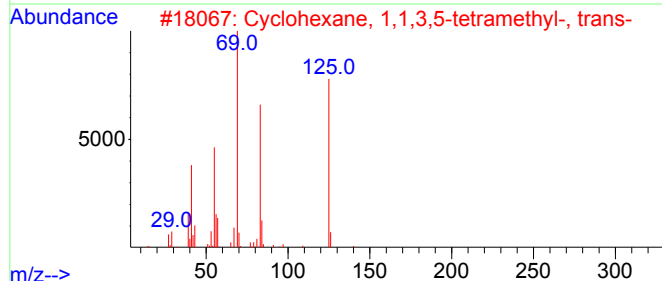
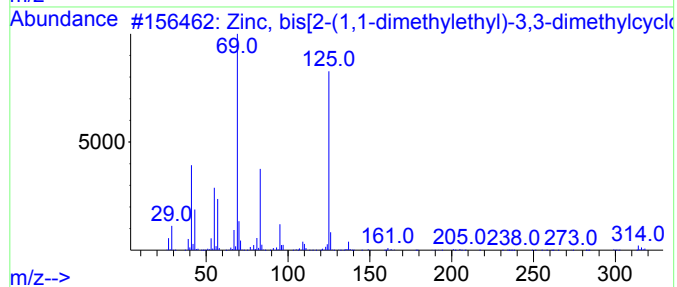
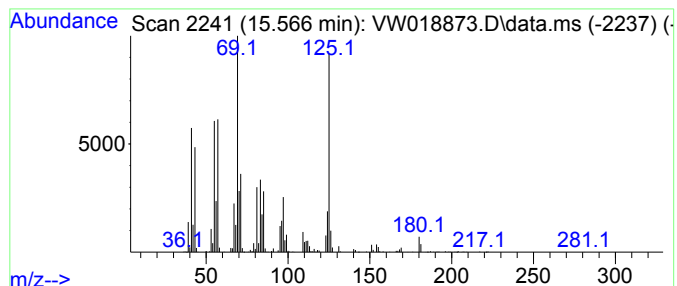
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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

Peak Number 46 Zinc, bis[2-(1,1-dimethylet... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.566	55.32 ug/L	998645	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Zinc, bis[2-(1,1-dimethylethyl)-...	314	C18H34Zn	074793-36-5	59
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	58
3			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	53
4			2-Amino-4-hydroxy-6-methylpyrimi...	125	C5H7N3O	003977-29-5	43
5			2-Amino-4-hydroxy-6-methylpyrimi...	125	C5H7N3O	003977-29-5	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW043021\
 Data File : VW018873.D
 Acq On : 30 Apr 2021 11:54
 Operator : SY/VA
 Sample : M2177-20
 Misc : 5.72G/10ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG590

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
 Quant Title : SFAM01.0

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	9.037	1.3	ug/L	92723	1	8.841	1742800	25.0
(DEL) Alkane: C...	11.109	1.7	ug/L	116312	2	11.634	1735160	25.0
(DEL) Alkane: C...	11.231	2.7	ug/L	189141	2	11.634	1735160	25.0
(DEL) Alkane: C...	11.286	2.6	ug/L	180749	2	11.634	1735160	25.0
(DEL) Alkane: C...	11.823	6.3	ug/L	439248	2	11.634	1735160	25.0
1,4-Cyclooctane...	11.975	7.1	ug/L	494643	2	11.634	1735160	25.0
Spiro[3.5]nonan...	12.036	3.2	ug/L	219774	2	11.634	1735160	25.0
(DEL) Alkane: S...	12.067	2.3	ug/L	160870	2	11.634	1735160	25.0
(DEL) Alkane: C...	12.121	12.6	ug/L	871880	2	11.634	1735160	25.0
unknown-01	12.188	7.0	ug/L	485645	2	11.634	1735160	25.0
1H-Indene, octa...	12.341	43.9	ug/L	3046790	2	11.634	1735160	25.0
(DEL) Alkane: C...	12.451	29.4	ug/L	2041010	2	11.634	1735160	25.0
(DEL) Alkane: C...	12.524	5.4	ug/L	375927	2	11.634	1735160	25.0
Cyclopentane, 1...	12.560	3.5	ug/L	241799	2	11.634	1735160	25.0
unknown-02	12.615	43.1	ug/L	778121	3	13.560	451313	25.0
unknown-03	12.774	46.3	ug/L	835247	3	13.560	451313	25.0
Glycine, furan-...	12.859	199.9	ug/L	3609410	3	13.560	451313	25.0
unknown-04	12.932	184.2	ug/L	3325790	3	13.560	451313	25.0
(DEL) Alkane: S...	13.079	76.6	ug/L	1383480	3	13.560	451313	25.0
Sulfurous acid,...	13.121	37.5	ug/L	677897	3	13.560	451313	25.0
Oxalic acid, de...	13.188	85.4	ug/L	1542040	3	13.560	451313	25.0
unknown-05	13.261	48.5	ug/L	875999	3	13.560	451313	25.0
(DEL) Alkane: S...	13.292	60.9	ug/L	1099020	3	13.560	451313	25.0
Heptanedioic ac...	13.377	39.9	ug/L	720902	3	13.560	451313	25.0
unknown-06	13.426	105.8	ug/L	1910540	3	13.560	451313	25.0
D-Limonene	13.475	182.8	ug/L	3299690	3	13.560	451313	25.0
Methoxyacetic a...	13.621	25.0	ug/L	451313	3	13.560	451313	25.0
Bicyclo[2.2.2]o...	13.737	22.9	ug/L	413648	3	13.560	451313	25.0
unknown-07	13.932	21.6	ug/L	390067	3	13.560	451313	25.0
(DEL) Alkane: S...	14.194	34.9	ug/L	630100	3	13.560	451313	25.0
unknown-08	14.261	64.0	ug/L	1156300	3	13.560	451313	25.0
(DEL) Alkane: C...	14.322	19.2	ug/L	346484	3	13.560	451313	25.0
Naphthalene, de...	14.383	139.0	ug/L	2509280	3	13.560	451313	25.0
3a,7a-Epoxy-1H-...	14.487	16.4	ug/L	295862	3	13.560	451313	25.0
1-Methyldecahyd...	14.548	98.3	ug/L	1774530	3	13.560	451313	25.0
(DEL) Alkane: S...	14.658	20.5	ug/L	369852	3	13.560	451313	25.0
(DEL) Alkane: S...	14.737	28.1	ug/L	507129	3	13.560	451313	25.0
unknown-09	14.798	39.6	ug/L	714163	3	13.560	451313	25.0
(DEL) Alkane: S...	14.847	94.3	ug/L	1702430	3	13.560	451313	25.0
(DEL) Alkane: S...	15.328	53.7	ug/L	969326	3	13.560	451313	25.0
trans, cis-3-Et...	15.395	75.7	ug/L	1366380	3	13.560	451313	25.0
Zinc, bis[2-(1,...	15.566	55.3	ug/L	998645	3	13.560	451313	25.0