

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
 Data File : VW021453.D
 Acq On : 18 Dec 2021 04:28
 Operator : SY/VA
 Sample : M5121-15
 Misc : 6.89g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL65

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\SFAMWLM120921SMA.M
 Title : SFAM01.0

Signal : TIC: VW021453.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.227	51	53	56	rVB2	527	430	0.05%	0.005%
2	2.349	67	73	80	rVB	43589	69414	8.41%	0.744%
3	2.489	92	96	103	rBV2	1983	3814	0.46%	0.041%
4	2.654	121	123	124	rBV2	465	328	0.04%	0.004%
5	2.879	153	160	172	rBV	21471	44896	5.44%	0.481%
6	3.062	188	190	191	rBV2	291	240	0.03%	0.003%
7	3.367	235	240	242	rBV	136	177	0.02%	0.002%
8	3.714	295	297	306	rVB3	313	645	0.08%	0.007%
9	4.013	335	346	358	rBV	51554	152951	18.52%	1.639%
10	4.129	358	365	375	rVV2	3698	10787	1.31%	0.116%
11	4.202	375	377	381	rVB2	323	372	0.05%	0.004%
12	4.379	396	406	420	rBV	5412	16809	2.04%	0.180%
13	4.550	430	434	437	rBV	121	195	0.02%	0.002%
14	4.690	456	457	461	rBV	170	184	0.02%	0.002%
15	4.915	482	494	504	rVB2	5500	16975	2.06%	0.182%
16	5.043	512	515	517	rVV	116	174	0.02%	0.002%
17	5.068	517	519	523	rVV	115	151	0.02%	0.002%
18	5.147	528	532	534	rBV	133	161	0.02%	0.002%
19	5.196	537	540	543	rBB	143	155	0.02%	0.002%
20	5.793	630	638	644	rBV4	668	1765	0.21%	0.019%
21	5.854	646	648	654	rBV2	83	155	0.02%	0.002%
22	5.927	656	660	661	rBV	749	853	0.10%	0.009%
23	6.031	676	677	681	rVV	156	163	0.02%	0.002%
24	6.220	705	708	711	rBB	126	159	0.02%	0.002%
25	6.409	736	739	741	rBB	137	148	0.02%	0.002%
26	6.671	779	782	785	rBB	132	162	0.02%	0.002%
27	6.738	792	793	797	rBV	115	161	0.02%	0.002%
28	6.909	814	821	823	rBV3	445	798	0.10%	0.009%
29	6.982	830	833	836	rBB3	130	160	0.02%	0.002%
30	7.080	840	849	860	rVV	11705	33634	4.07%	0.360%
31	7.165	861	863	875	rVV3	1529	4047	0.49%	0.043%
32	7.244	875	876	879	rVV	302	205	0.02%	0.002%
33	7.421	903	905	907	rBV	143	138	0.02%	0.001%
34	7.470	909	913	916	rBV2	143	231	0.03%	0.002%
35	7.543	923	925	930	rVB	125	199	0.02%	0.002%
36	7.647	931	942	954	rBV	79206	197550	23.92%	2.117%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
 Data File : VW021453.D
 Acq On : 18 Dec 2021 04:28
 Operator : SY/VA
 Sample : M5121-15
 Misc : 6.89g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL65

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\SFAMWLM120921SMA.M
 Title : SFAM01.0

37	7.726	954	955	958	rVV	195	168	0.02%	0.002%
38	7.756	958	960	964	rVB	153	174	0.02%	0.002%
39	7.964	990	994	1000	rBB2	165	335	0.04%	0.004%
40	8.116	1015	1019	1021	rBB	143	172	0.02%	0.002%
41	8.275	1033	1045	1059	rBV2	157251	466025	56.43%	4.994%
42	8.567	1091	1093	1096	rVB2	281	288	0.03%	0.003%
43	8.689	1111	1113	1115	rBV	220	226	0.03%	0.002%
44	8.842	1129	1138	1150	rBV	178621	349040	42.27%	3.740%
45	9.079	1175	1177	1181	rVB	290	273	0.03%	0.003%
46	9.274	1200	1209	1223	rVV	106835	214144	25.93%	2.295%
47	9.384	1223	1227	1231	rVV3	511	918	0.11%	0.010%
48	9.665	1270	1273	1276	rVV2	246	292	0.04%	0.003%
49	9.756	1285	1288	1292	rBV3	557	798	0.10%	0.009%
50	9.890	1305	1310	1315	rBB2	1229	1960	0.24%	0.021%
51	10.037	1325	1334	1341	rBV	53608	96853	11.73%	1.038%
52	10.250	1359	1369	1374	rBV	6694	13134	1.59%	0.141%
53	10.323	1374	1381	1388	rBV	233734	414332	50.17%	4.440%
54	10.384	1388	1391	1397	rVB2	3150	5344	0.65%	0.057%
55	10.500	1407	1410	1415	rBB2	314	465	0.06%	0.005%
56	10.579	1415	1423	1435	rBV	33236	60548	7.33%	0.649%
57	10.701	1438	1443	1449	rBV2	1441	2448	0.30%	0.026%
58	10.792	1449	1458	1462	rBV2	5939	17852	2.16%	0.191%
59	10.847	1462	1467	1473	rVB	16101	28017	3.39%	0.300%
60	10.927	1473	1480	1491	rBV2	79854	150657	18.24%	1.614%
61	11.036	1491	1498	1506	rBV	45304	95948	11.62%	1.028%
62	11.109	1506	1510	1521	rVB2	29339	55869	6.77%	0.599%
63	11.225	1522	1529	1535	rBV3	12624	27296	3.31%	0.292%
64	11.329	1542	1546	1549	rBV3	7853	12975	1.57%	0.139%
65	11.378	1549	1554	1559	rVV2	28666	51158	6.19%	0.548%
66	11.433	1559	1563	1572	rVB	33673	66321	8.03%	0.711%
67	11.500	1572	1574	1576	rBV3	752	729	0.09%	0.008%
68	11.548	1577	1582	1585	rBV4	3883	6245	0.76%	0.067%
69	11.628	1586	1595	1603	rBV	259606	474474	57.46%	5.084%
70	11.762	1611	1617	1621	rVB2	13081	22692	2.75%	0.243%
71	11.817	1621	1626	1630	rBV	25568	45051	5.46%	0.483%
72	11.872	1630	1635	1639	rBV	67997	106679	12.92%	1.143%
73	11.914	1639	1642	1647	rVB	43433	65565	7.94%	0.703%
74	12.000	1647	1656	1660	rBV6	18816	57888	7.01%	0.620%
75	12.061	1661	1666	1671	rBV2	47677	78689	9.53%	0.843%
76	12.134	1671	1678	1684	rBV4	140228	301937	36.56%	3.235%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
 Data File : VW021453.D
 Acq On : 18 Dec 2021 04:28
 Operator : SY/VA
 Sample : M5121-15
 Misc : 6.89g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL65

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\SFAMWLM120921SMA.M
 Title : SFAM01.0

77	12.250	1692	1697	1702	rVB	182085	289436	35.05%	3.101%
78	12.329	1702	1710	1712	rBV4	88313	206471	25.00%	2.212%
79	12.359	1712	1715	1720	rVB	124573	189047	22.89%	2.026%
80	12.451	1720	1730	1733	rBV4	78697	202614	24.54%	2.171%
81	12.591	1750	1753	1755	rBV	26925	37544	4.55%	0.402%
82	12.695	1762	1770	1774	rBV4	142117	323759	39.21%	3.469%
83	12.780	1780	1784	1790	rVB2	180075	325706	39.44%	3.490%
84	12.859	1790	1797	1800	rBV3	110891	234669	28.42%	2.515%
85	12.938	1804	1810	1815	rVV3	230663	586238	70.99%	6.282%
86	12.987	1815	1818	1824	rVB3	145074	249534	30.22%	2.674%
87	13.079	1829	1833	1836	rVB2	108459	154775	18.74%	1.658%
88	13.121	1836	1840	1843	rBV2	109446	176949	21.43%	1.896%
89	13.164	1843	1847	1854	rVB	247694	395556	47.90%	4.238%
90	13.292	1864	1868	1872	rBV	106082	169997	20.59%	1.822%
91	13.408	1884	1887	1895	rVB3	104234	264912	32.08%	2.839%
92	13.481	1896	1899	1903	rVB3	73882	99084	12.00%	1.062%
93	13.554	1907	1911	1915	rBV	237624	343935	41.65%	3.685%
94	13.871	1955	1963	1968	rBV2	334403	825805	100.00%	8.849%
95	14.188	2012	2015	2019	rBV5	24570	35573	4.31%	0.381%
96	14.377	2042	2046	2050	rBV2	83497	129710	15.71%	1.390%
97	14.798	2111	2115	2117	rBV3	19197	32719	3.96%	0.351%
98	15.121	2165	2168	2173	rBV4	10471	20562	2.49%	0.220%
99	15.322	2197	2201	2205	rBV	32190	51742	6.27%	0.554%
100	16.432	2378	2383	2395	rVB	63106	132872	16.09%	1.424%

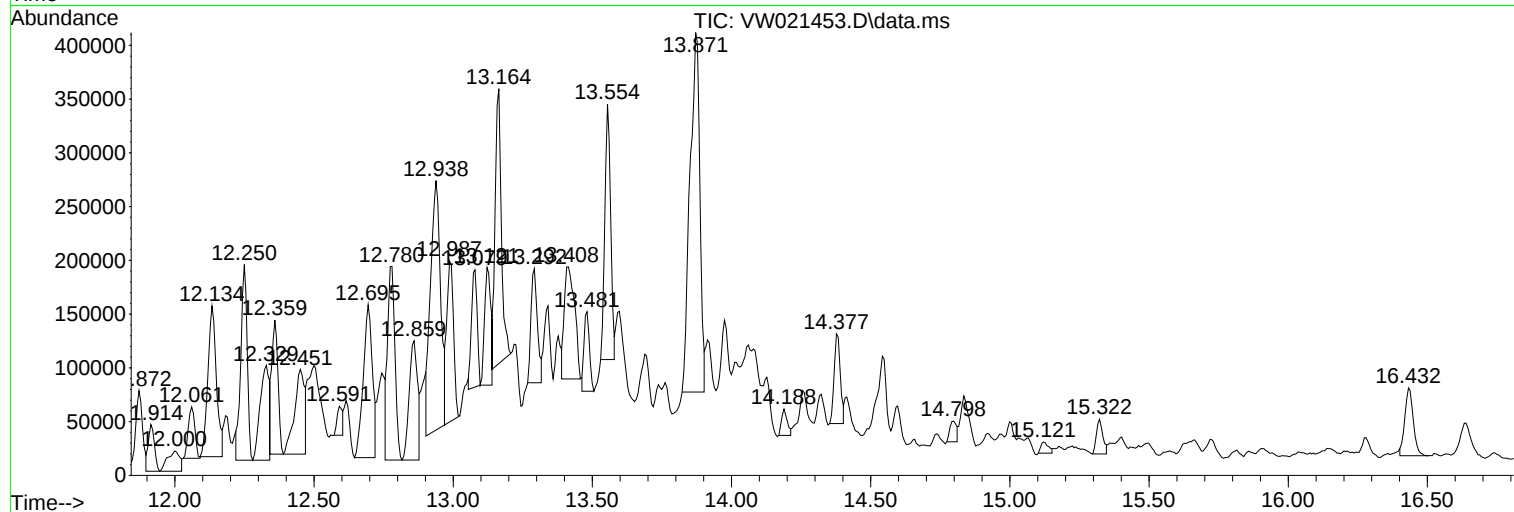
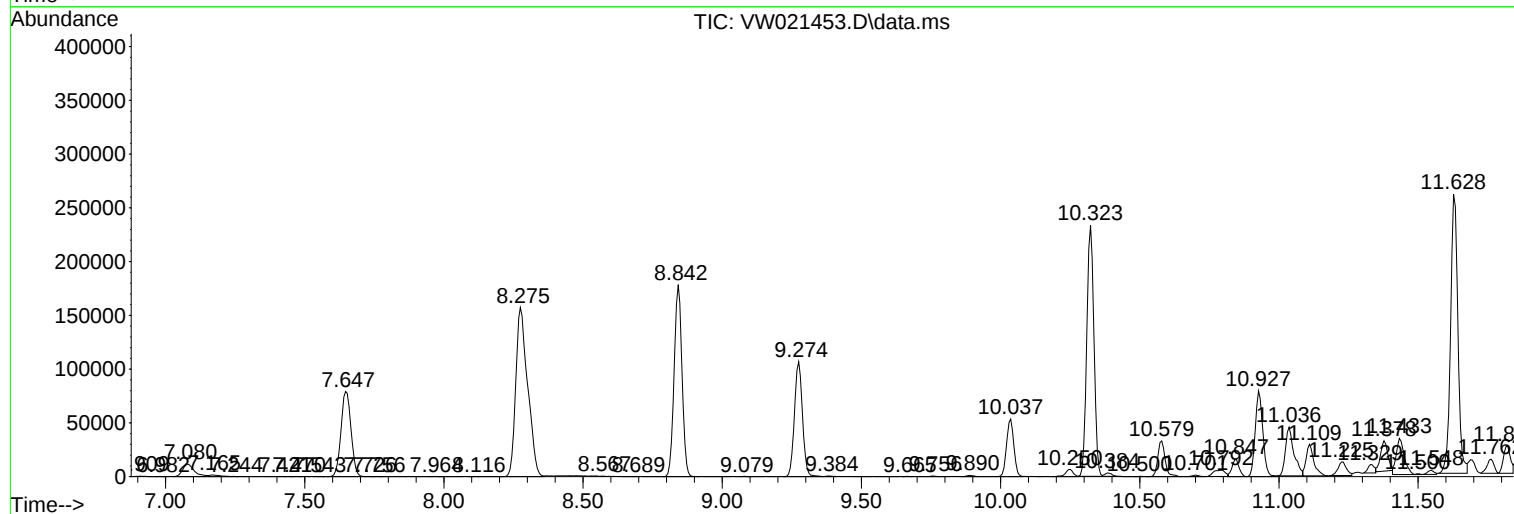
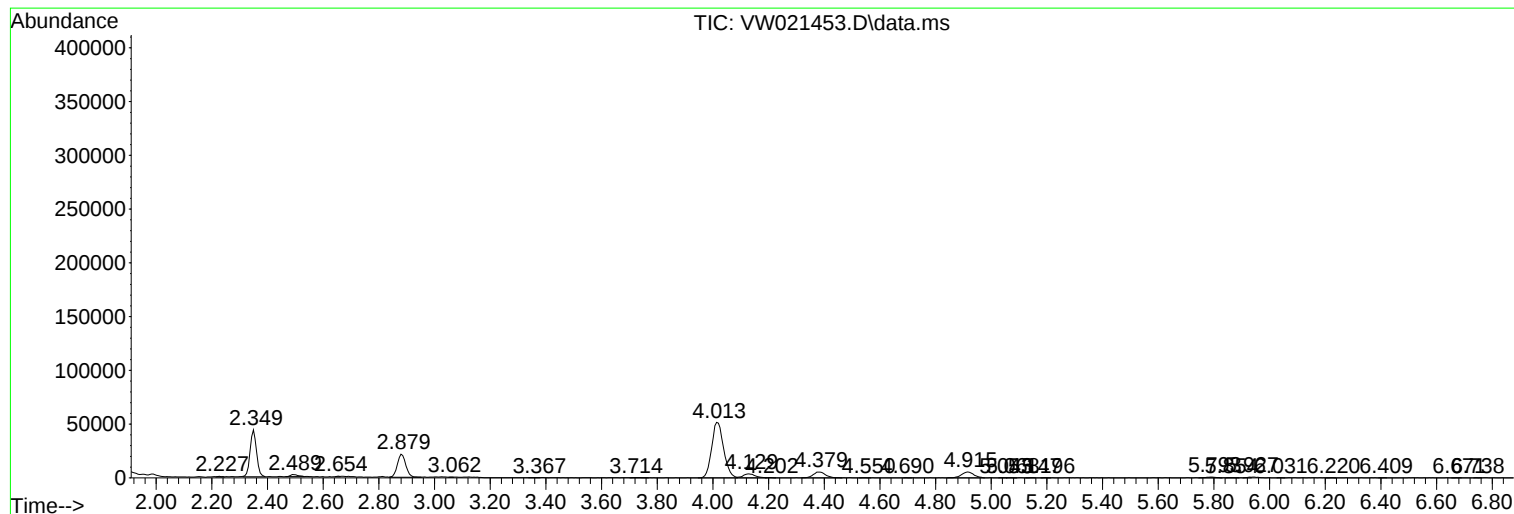
Sum of corrected areas: 9332574

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

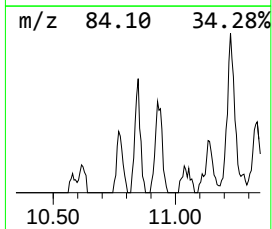
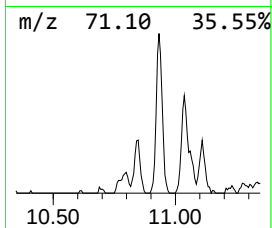
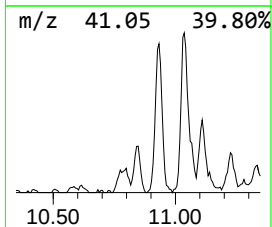
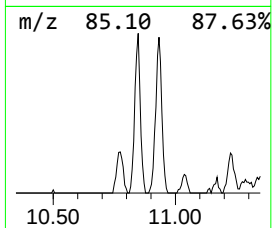
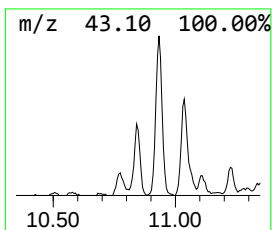
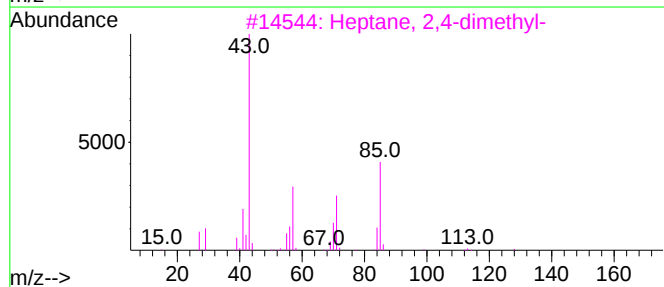
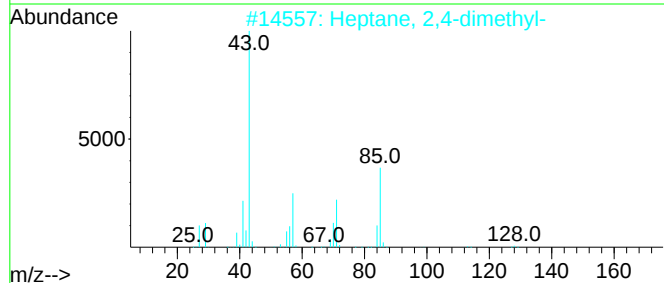
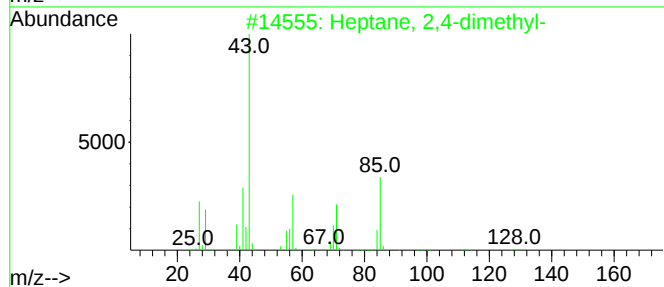
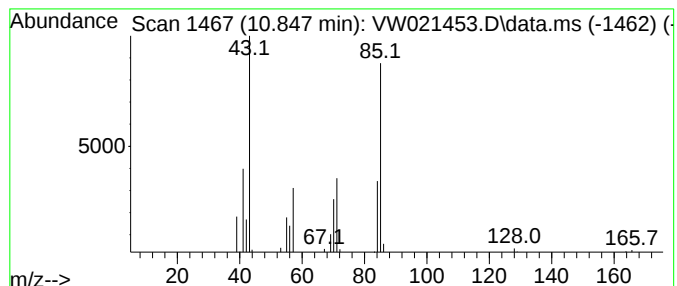
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.847	1.48 ug/L	28017	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	91
2			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	91
3			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	90
4			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	76
5			Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

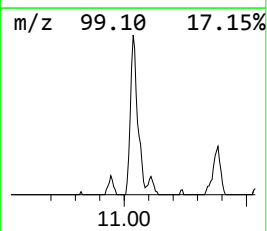
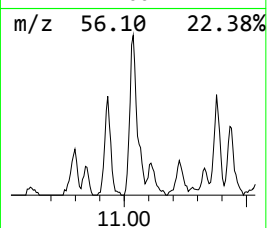
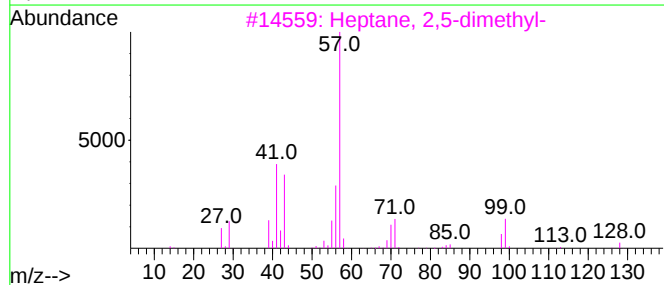
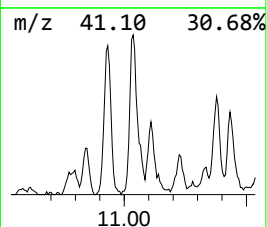
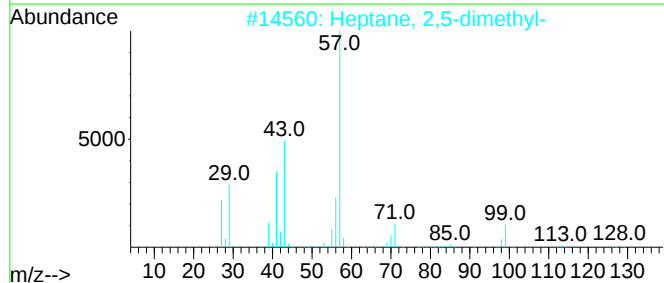
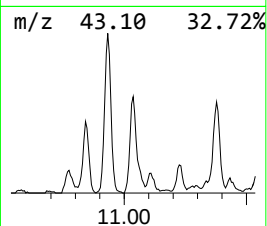
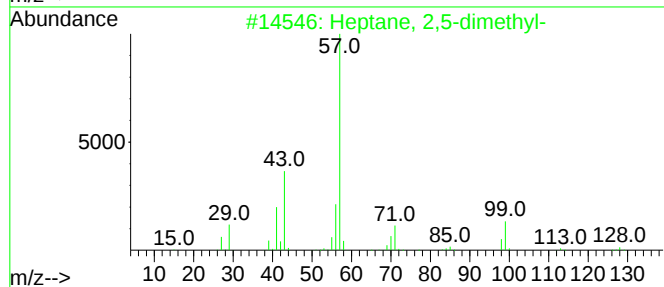
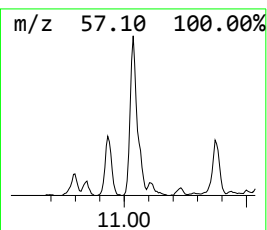
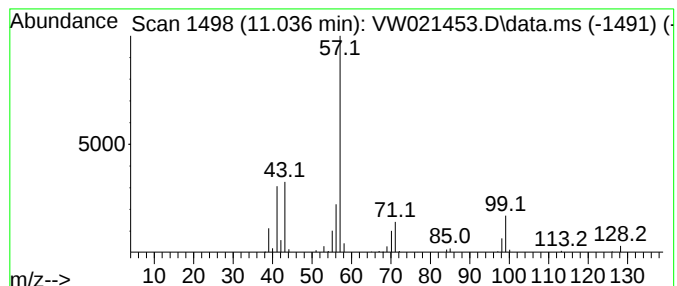
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.036	5.06 ug/L	95948	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
2			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
3			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
4			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	90
5			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

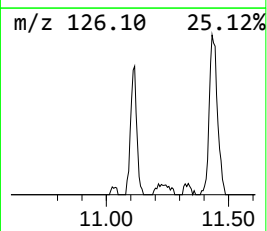
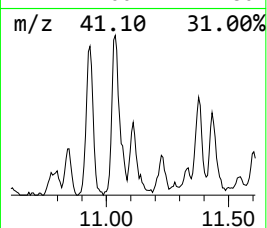
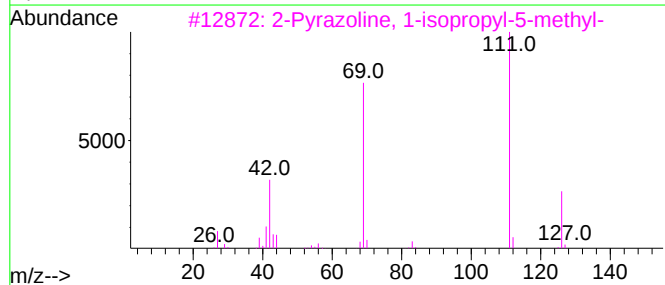
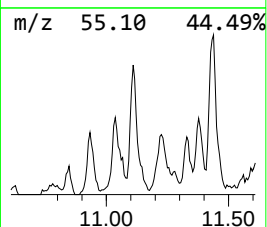
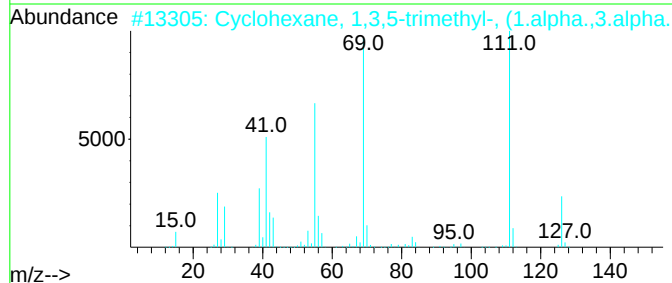
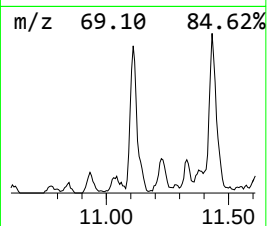
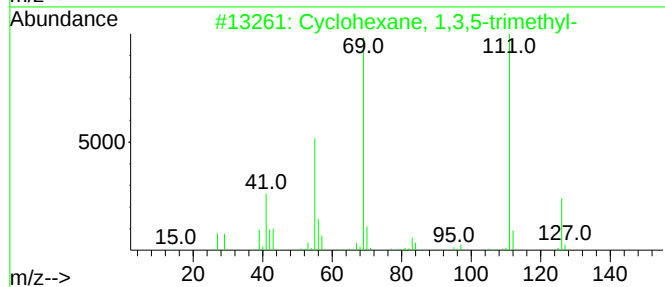
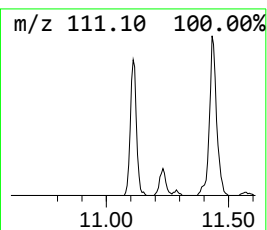
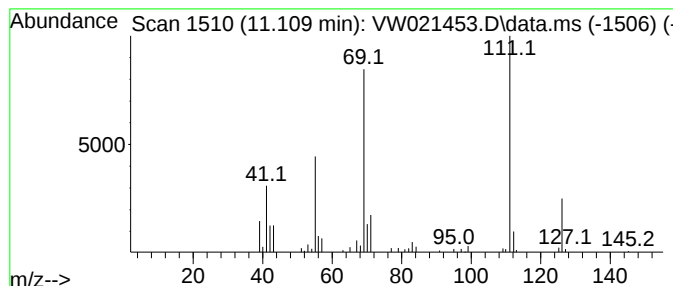
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Cyclic11.110 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.110	2.94 ug/L	55869	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	90
3			2-Pyrazoline, 1-isopropyl-5-methyl-	126	C7H14N2	026964-54-5	80
4			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	76
5			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

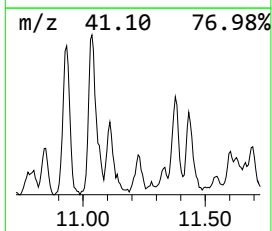
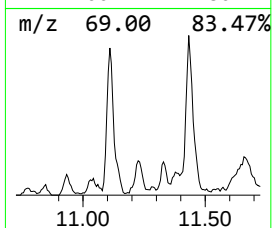
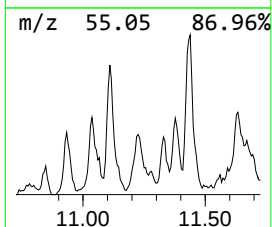
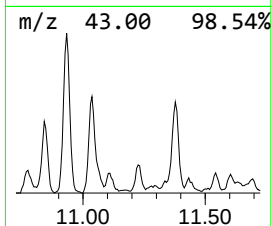
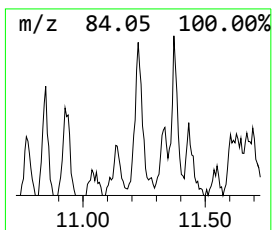
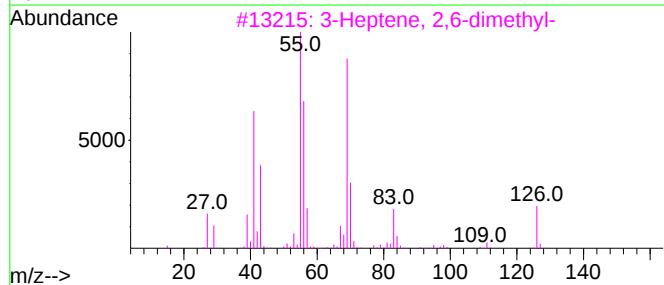
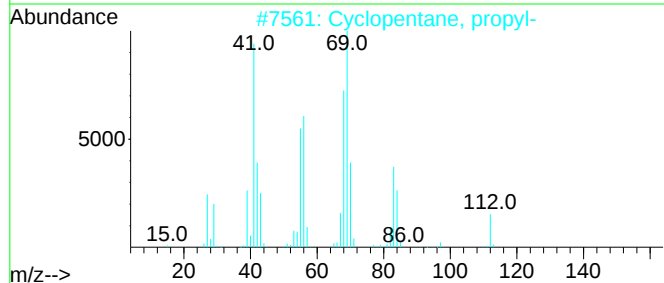
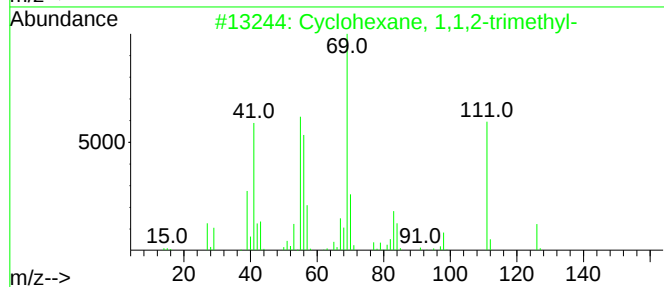
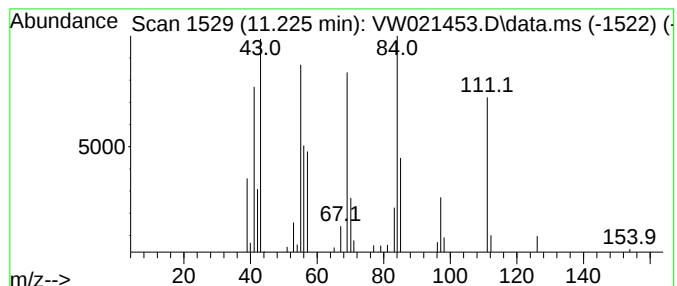
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Cyclic11.225 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.225	1.44 ug/L	27296	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	46
2			Cyclopentane, propyl-	112	C8H16	002040-96-2	46
3			3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	38
4			1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	38
5			Cyclohexane, (1,2-dimethylpropyl)-	154	C11H22	051284-29-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

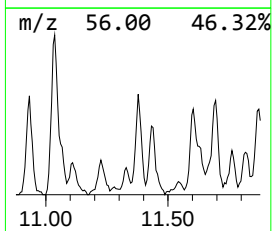
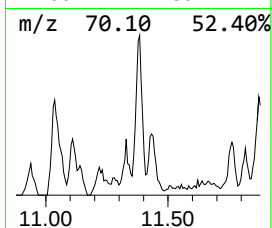
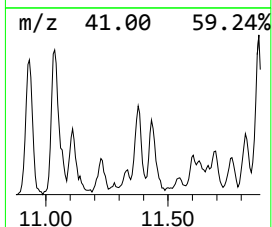
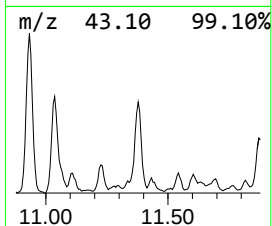
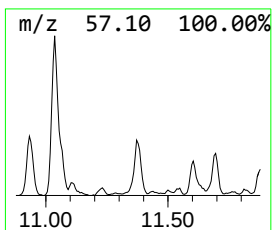
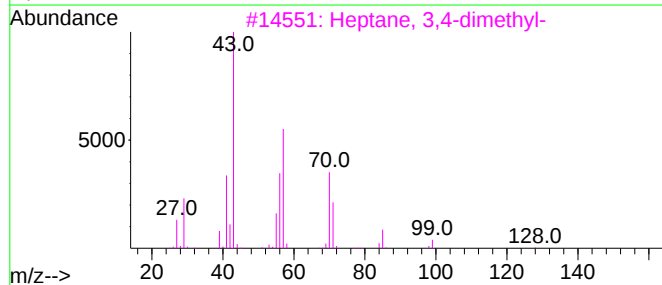
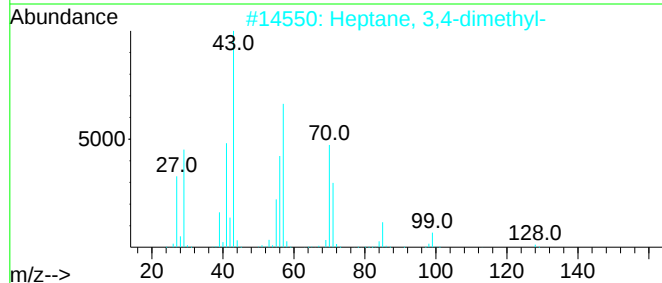
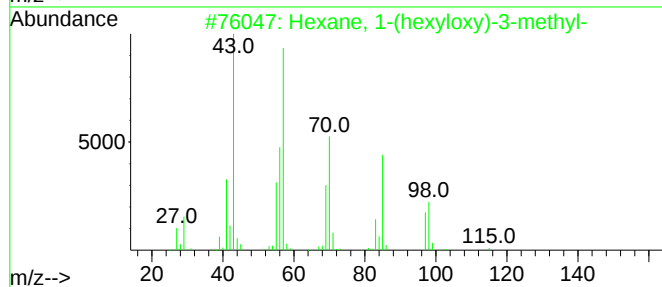
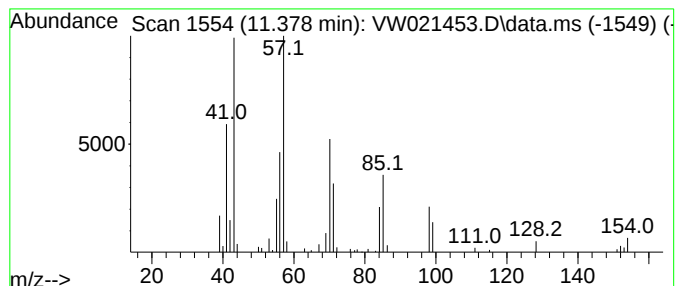
Instrument :
MSVOA_W
ClientSampleId :
BGL65

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 6 Hexane, 1-(hexyloxy)-3-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.378	2.70 ug/L	51158	Chlorobenzene-d5		11.628	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Hexane, 1-(hexyloxy)-3-methyl-		200	C13H28O	074421-18-4	59
2	Heptane, 3,4-dimethyl-		128	C9H20	000922-28-1	50
3	Heptane, 3,4-dimethyl-		128	C9H20	000922-28-1	50
4	Hexane, 3-ethyl-4-methyl-		128	C9H20	003074-77-9	47
5	Hexane, 2,4-dimethyl-		114	C8H18	000589-43-5	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

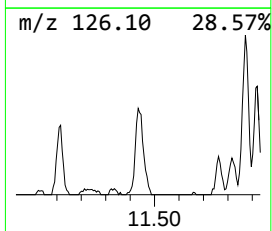
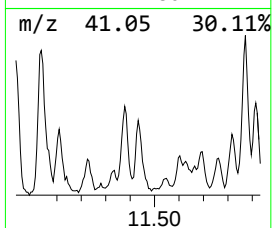
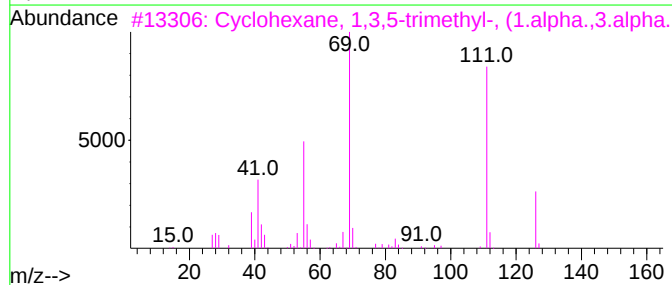
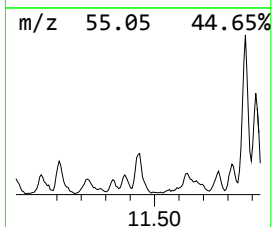
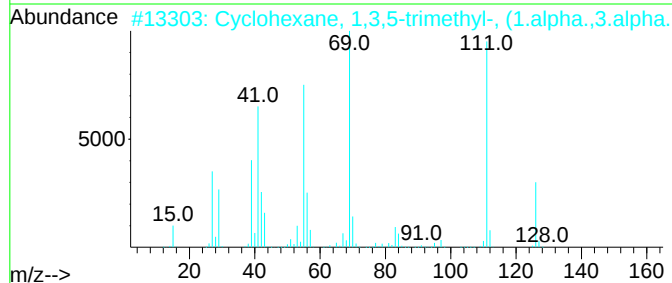
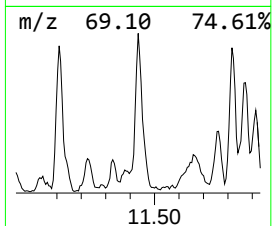
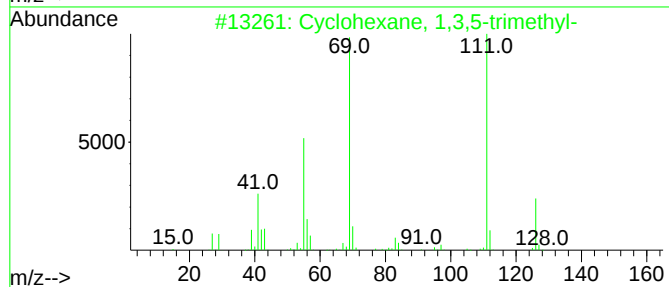
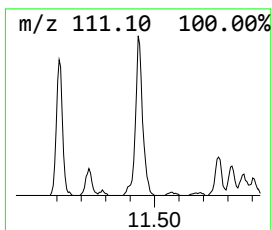
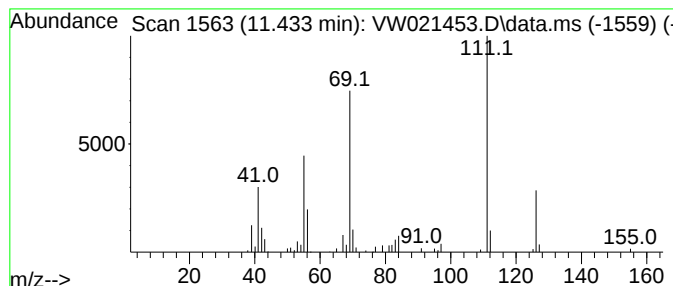
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Cyclic11.433 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.433	3.49 ug/L	66321	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
2			Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	91
3			Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	90
4			Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	90
5			Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

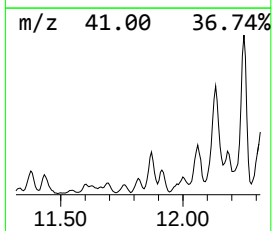
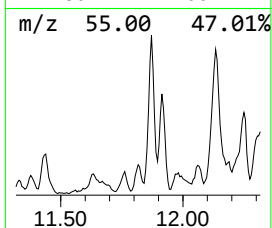
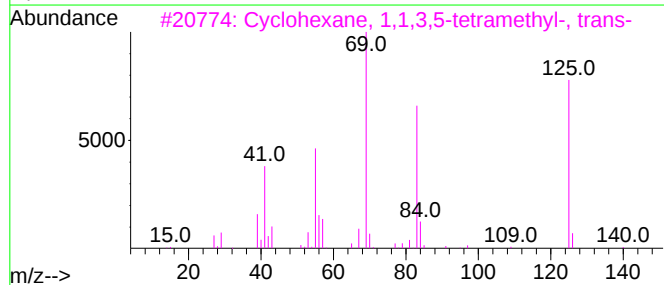
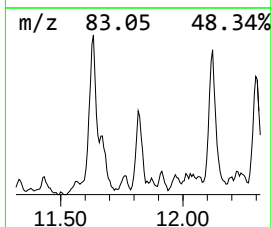
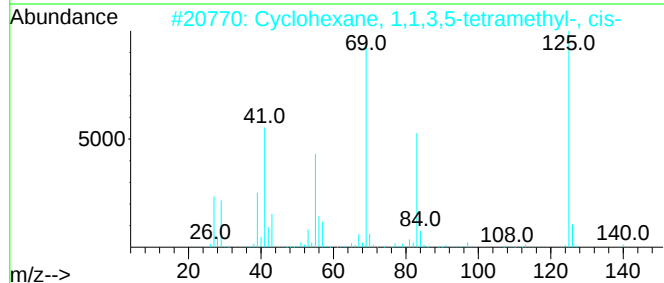
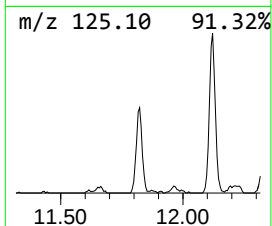
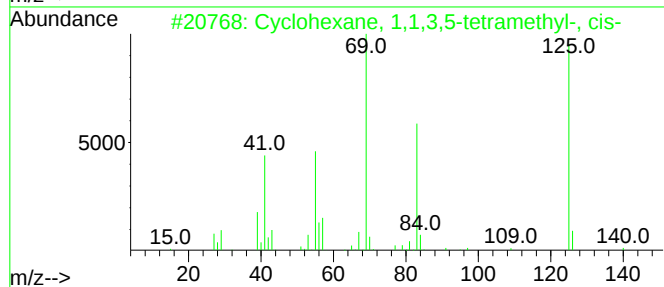
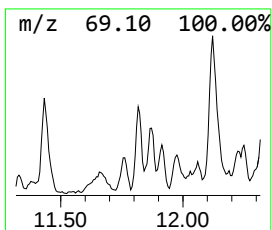
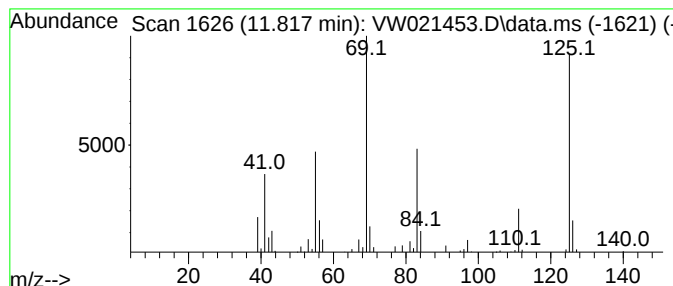
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic11.817 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.817	2.37 ug/L	45051	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	90
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	80
3			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	80
4			Oxazole, 4-ethyl-2,5-dimethyl-	125	C7H11NO	030408-61-8	59
5			Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

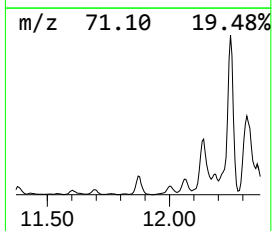
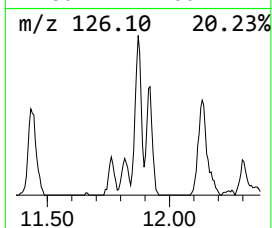
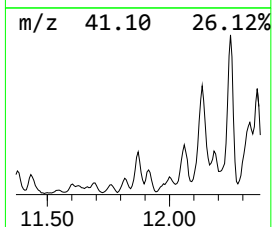
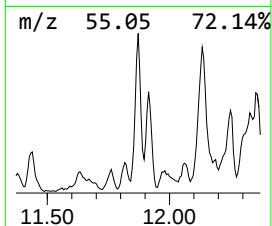
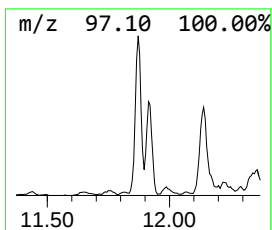
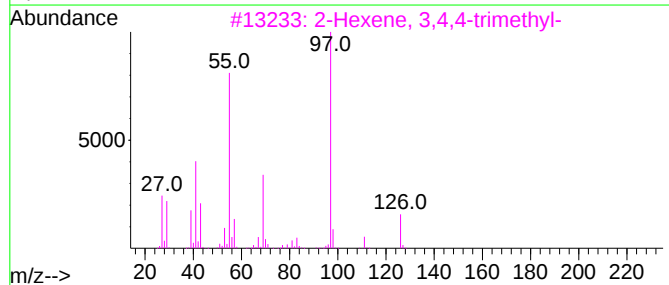
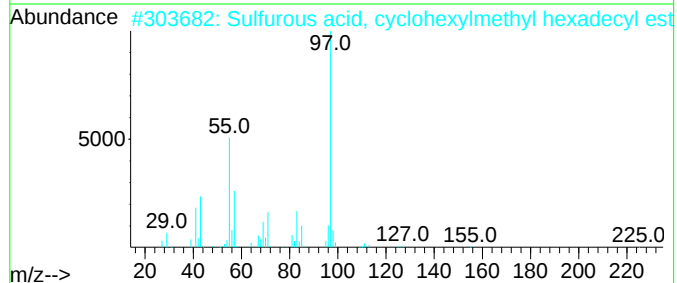
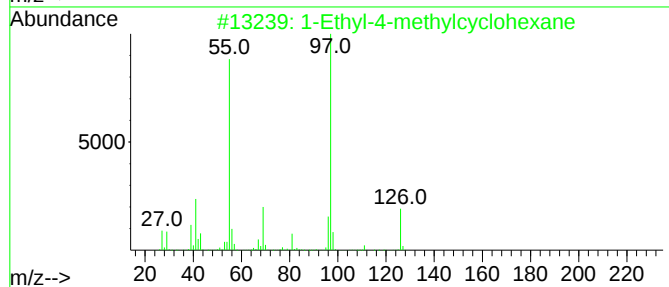
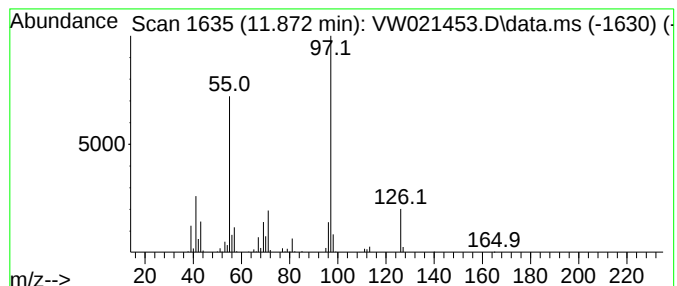
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Cyclic11.872 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.872	5.62 ug/L	106679	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	93
2			Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	72
3			2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	64
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64
5			4-Octen-3-one	126	C8H14O	014129-48-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

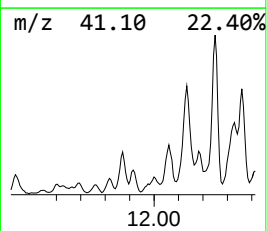
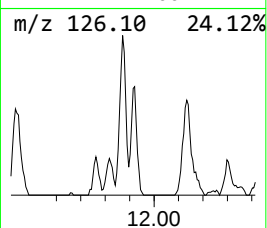
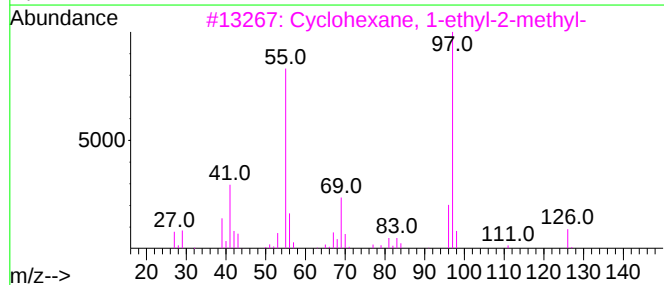
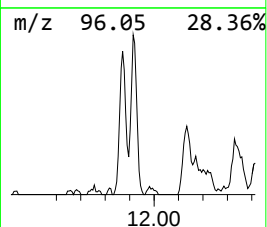
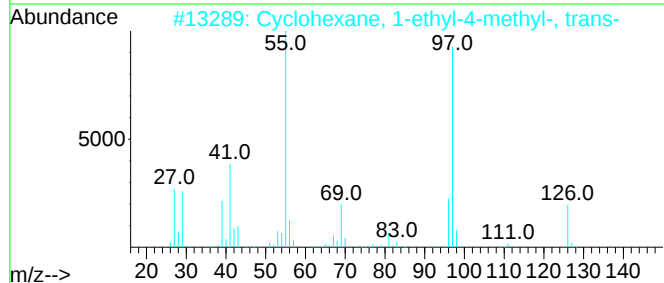
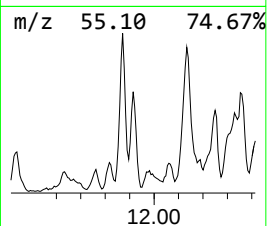
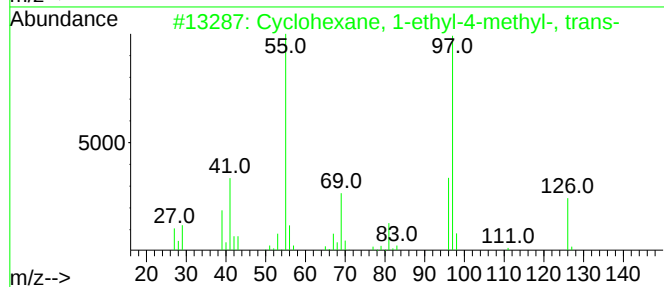
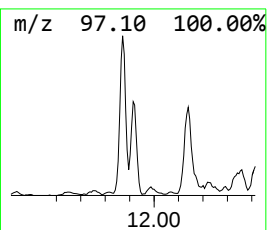
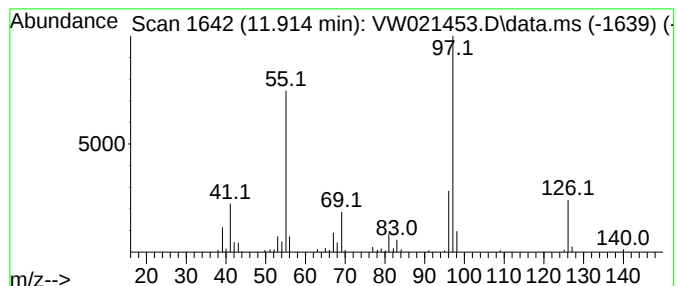
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Cyclic11.914 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.914	3.45 ug/L	65565	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	91
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	91
3			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	91
4			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	90
5			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

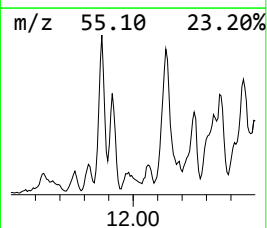
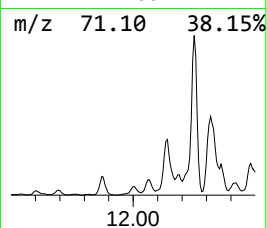
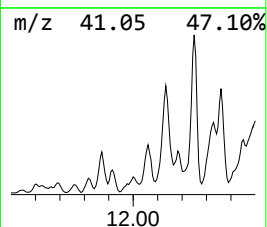
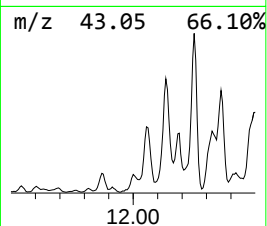
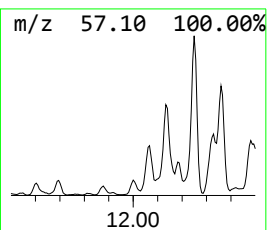
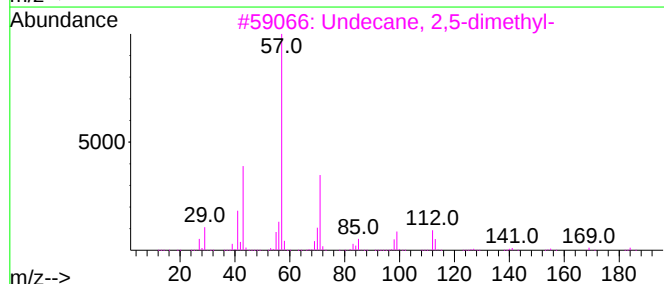
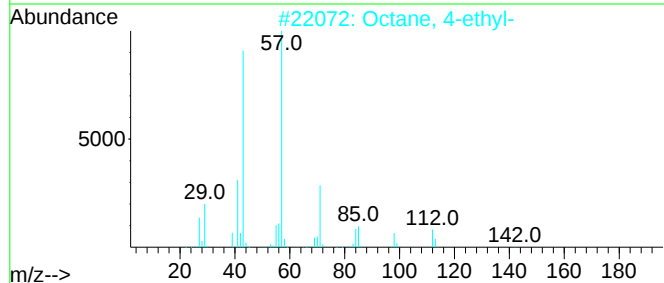
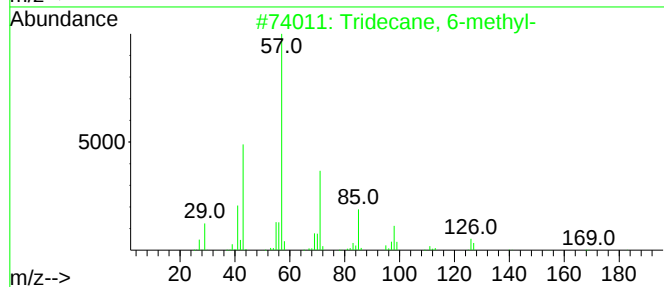
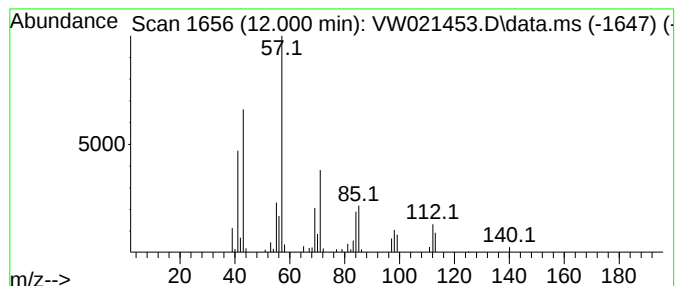
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.000	3.05 ug/L	57888	Chlorobenzene-d5	11.628

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane, 6-methyl-	198	C14H30	013287-21-3	64
2		Octane, 4-ethyl-	142	C10H22	015869-86-0	64
3		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	59
4		Hexadecane	226	C16H34	000544-76-3	58
5		2,6-Dimethyldecane	170	C12H26	013150-81-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

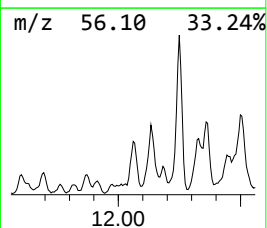
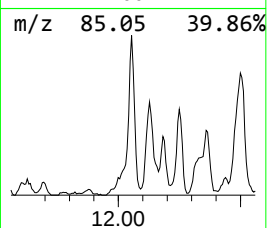
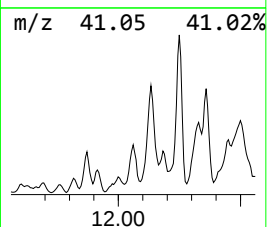
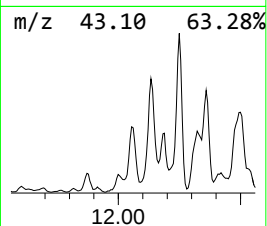
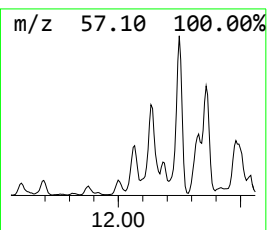
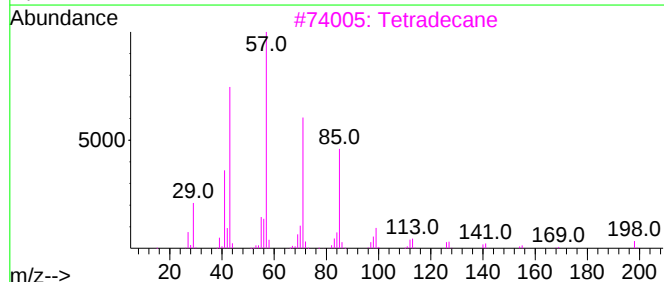
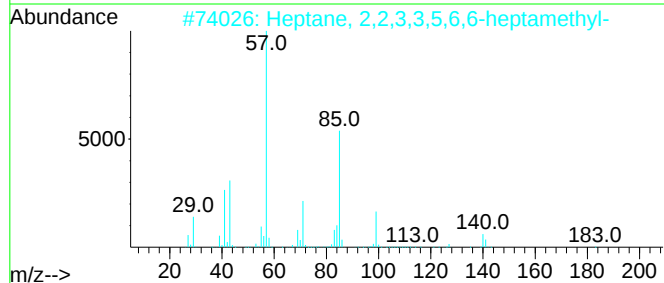
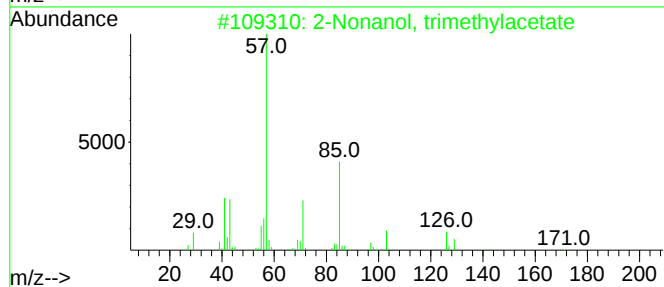
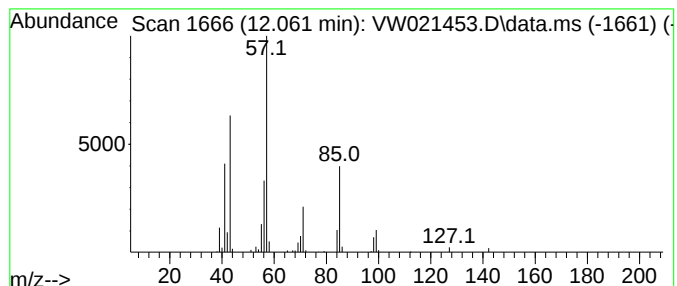
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 12 2-Nonanol, trimethylacetate Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.060	4.15 ug/L	78689	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Nonanol, trimethylacetate	228	C14H28O2	1000463-21-6	59
2			Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	59
3			Tetradecane	198	C14H30	000629-59-4	59
4			Ether, heptyl hexyl	200	C13H28O	007289-40-9	59
5			Oxalic acid, isobutyl hexyl ester	230	C12H22O4	1000309-37-1	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

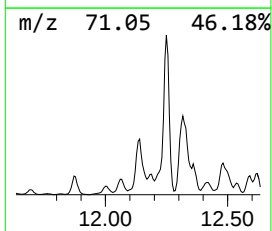
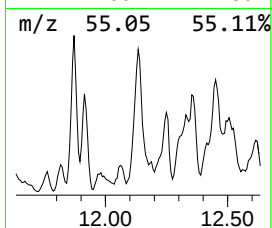
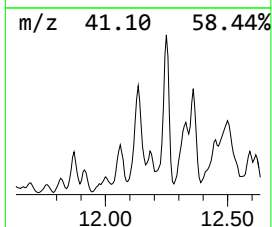
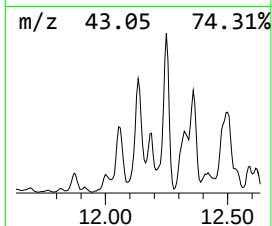
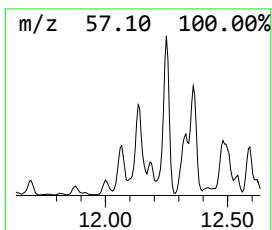
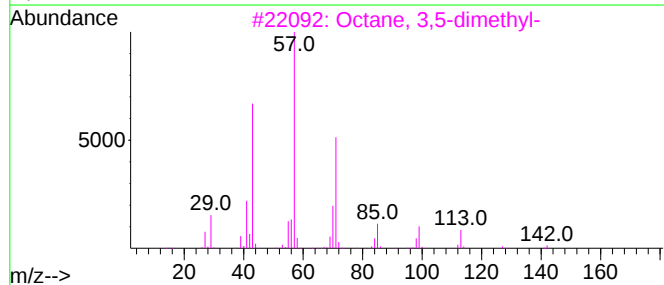
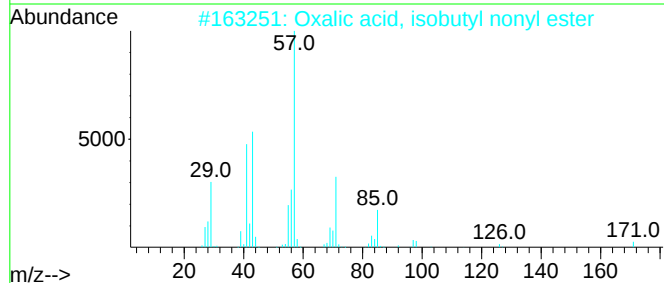
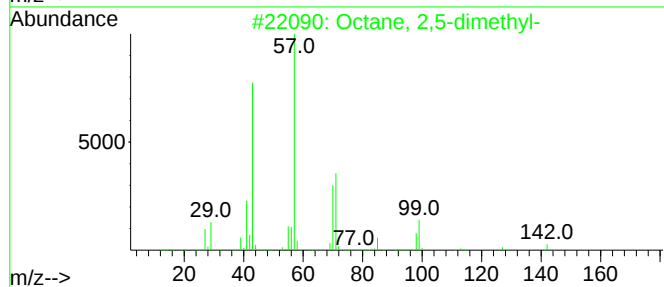
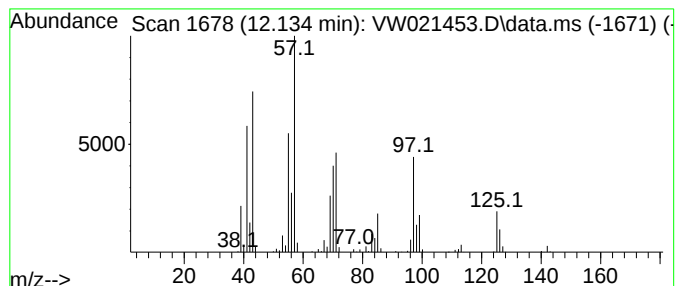
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.134	15.91 ug/L	301937	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,5-dimethyl-		142	C10H22	015869-89-3	53	
2	Oxalic acid, isobutyl nonyl ester		272	C15H28O4	1010309-37-4	38	
3	Octane, 3,5-dimethyl-		142	C10H22	015869-93-9	38	
4	Pentane, 2,3,4-trimethyl-		114	C8H18	000565-75-3	30	
5	Hexamethylenimine		99	C6H13N	000111-49-9	30	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

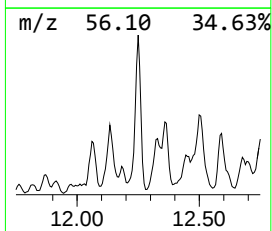
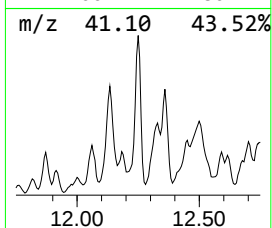
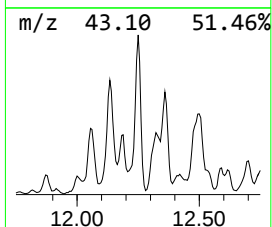
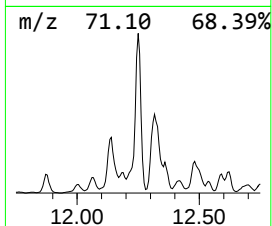
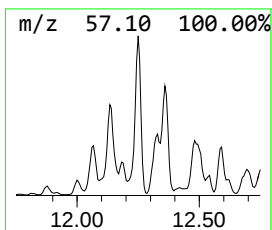
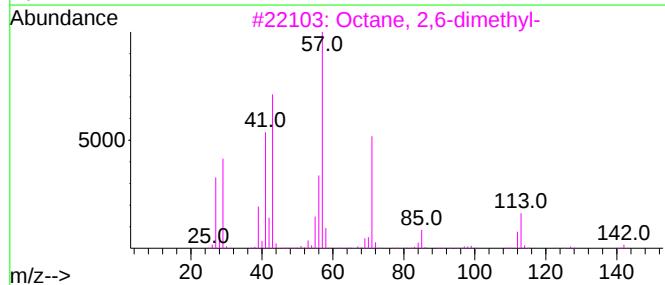
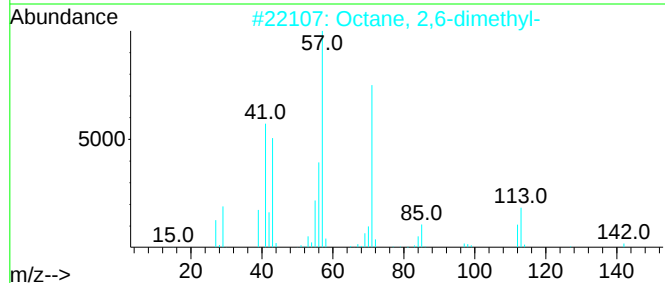
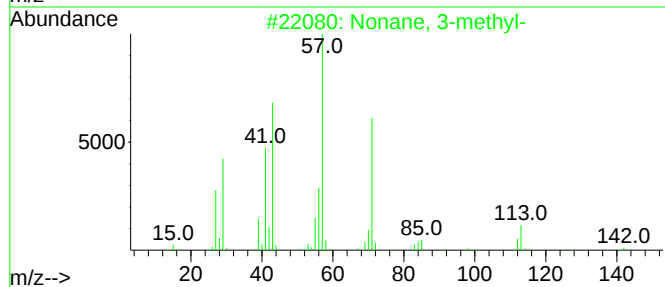
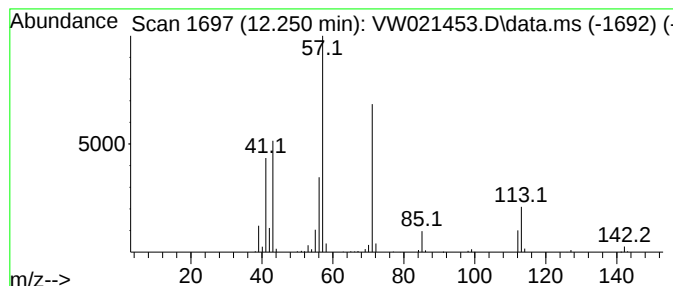
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.249	15.25 ug/L	289436	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
4			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83
5			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

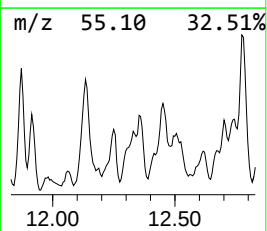
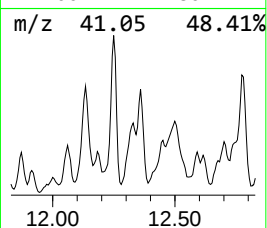
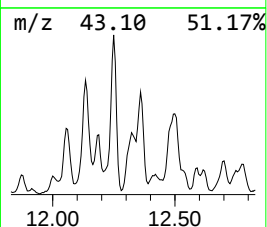
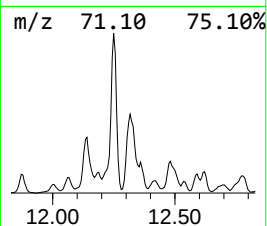
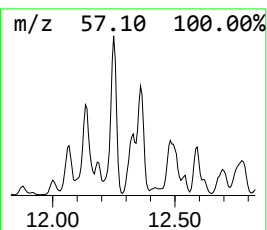
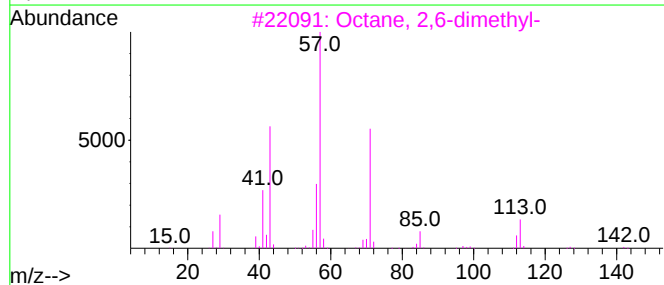
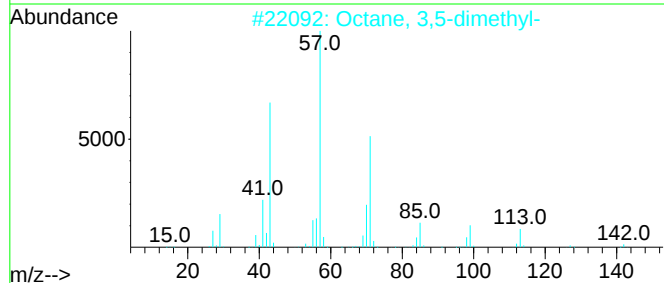
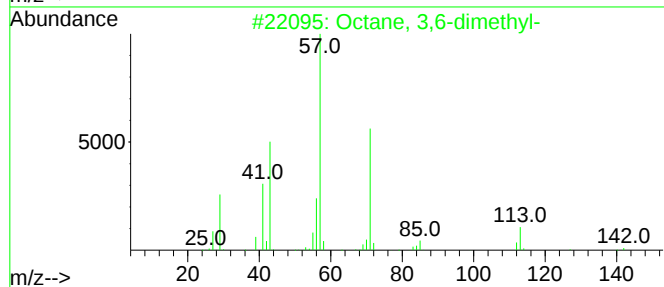
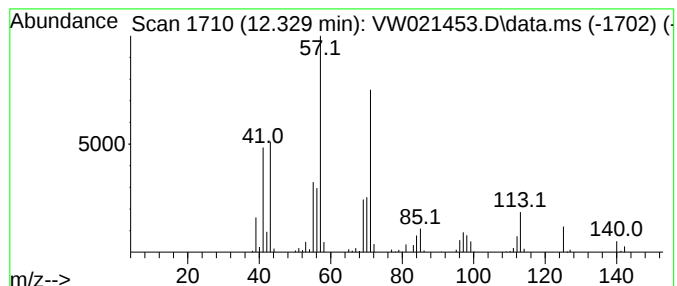
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.329	10.88 ug/L	206471	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
2			Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	64
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
4			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	62
5			Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

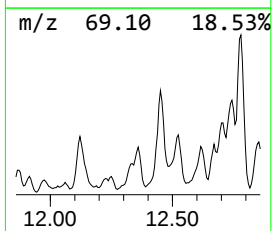
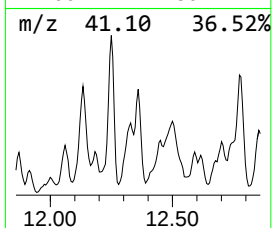
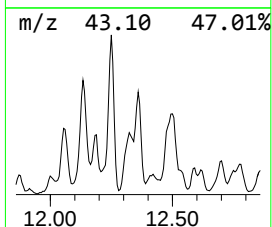
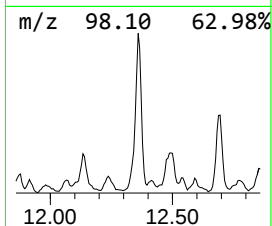
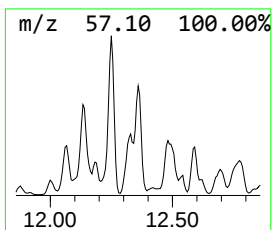
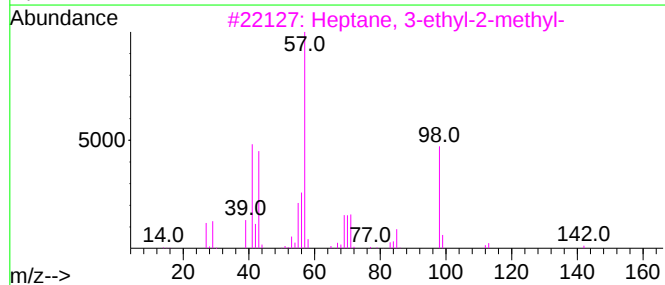
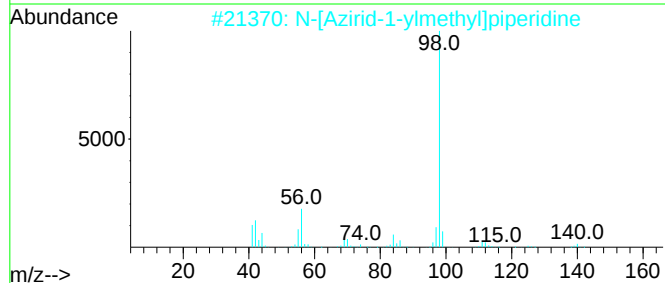
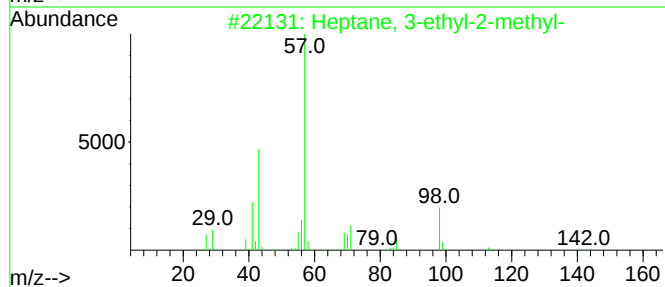
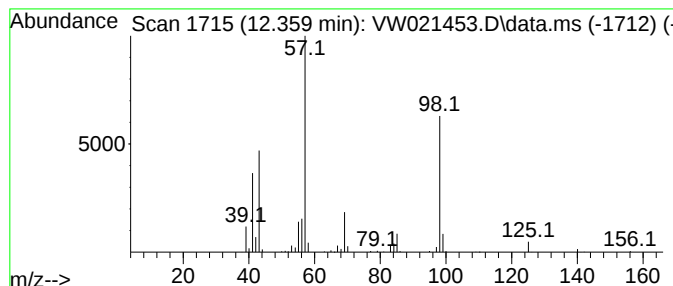
Instrument :
MSVOA_W
ClientSampleId :
BGL65

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.359	9.96 ug/L	189047	Chlorobenzene-d5		11.628	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	64
2	N-[Azirid-1-ylmethyl]piperidine		140	C8H16N2	001523-29-1	50
3	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	50
4	Octane, 2,3-dimethyl-		142	C10H22	007146-60-3	45
5	Dodecane, 6-methyl-		184	C13H28	006044-71-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

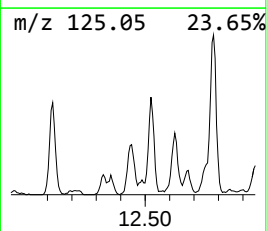
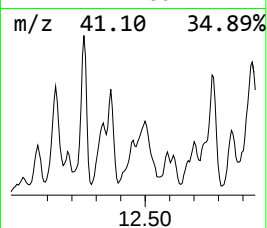
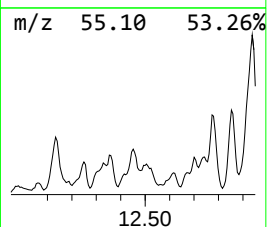
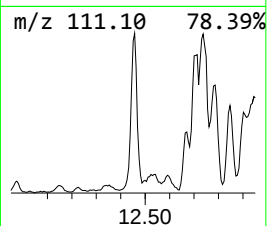
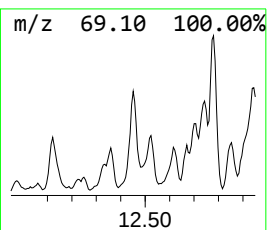
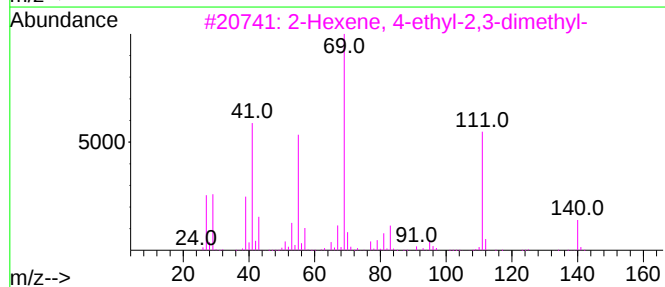
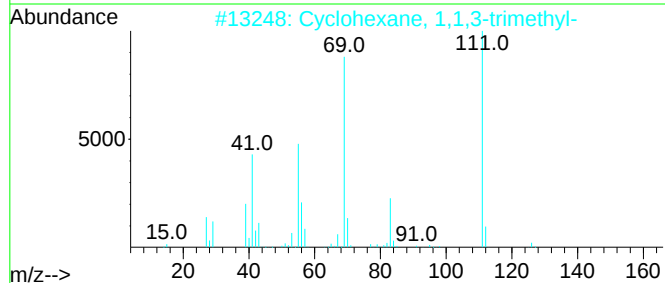
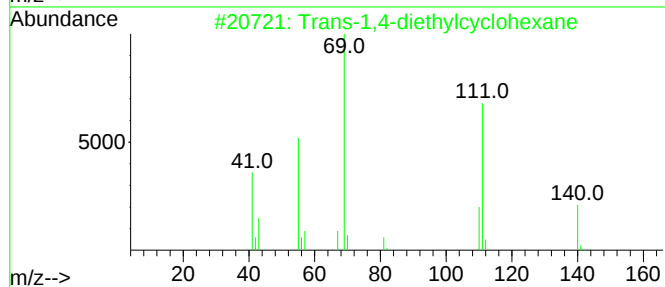
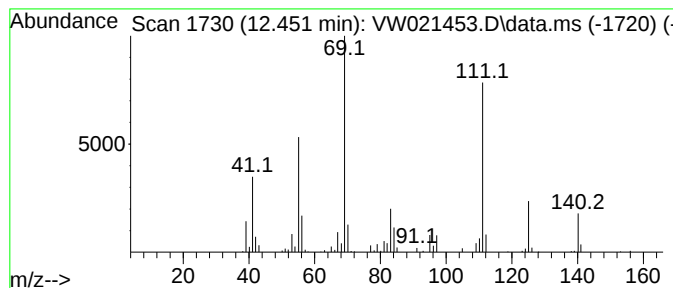
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Cyclic12.451 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	10.68 ug/L	202614	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	76
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	76
3			2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	72
4			Cyclooctane, butyl-	168	C12H24	016538-93-5	59
5			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

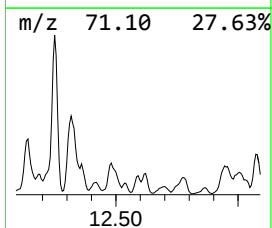
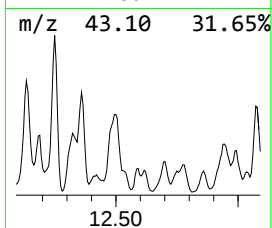
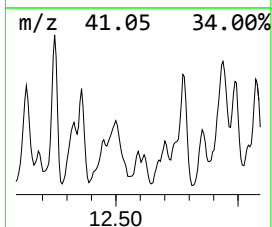
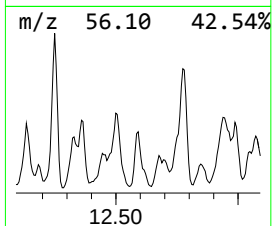
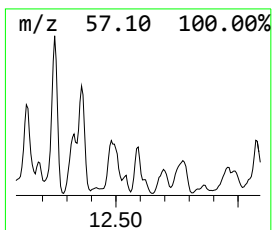
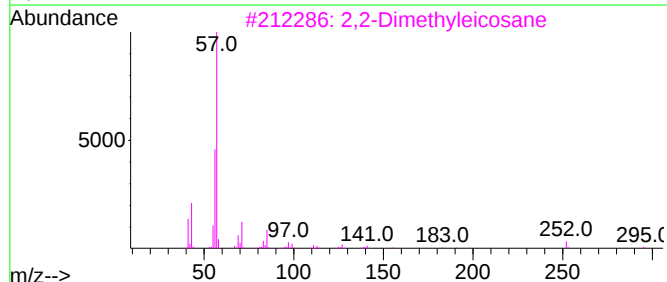
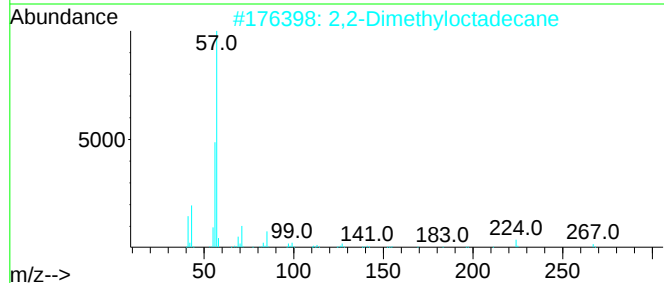
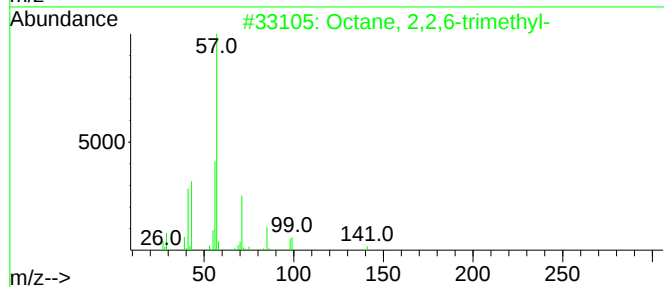
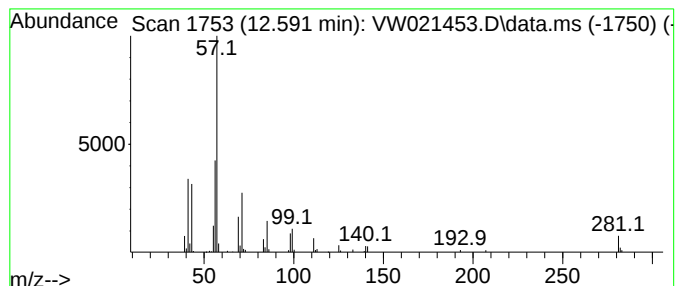
Instrument :
MSVOA_W
ClientSampleId :
BGL65

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.591	2.73 ug/L	37544	1,4-Dichlorobenzene-d4		13.554	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 2,2,6-trimethyl-		156	C11H24	062016-28-8	72
2	2,2-Dimethyloctadecane		282	C20H42	1000360-43-2	59
3	2,2-Dimethyleicosane		310	C22H46	1000360-43-4	53
4	Octane, 2,2-dimethyl-		142	C10H22	015869-87-1	50
5	Decane, 2,2,8-trimethyl-		184	C13H28	062238-01-1	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

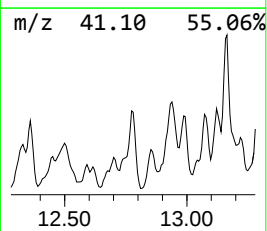
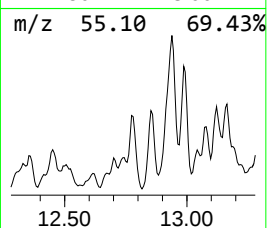
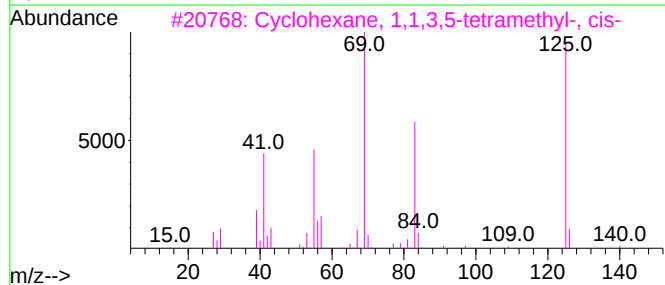
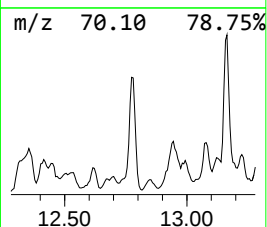
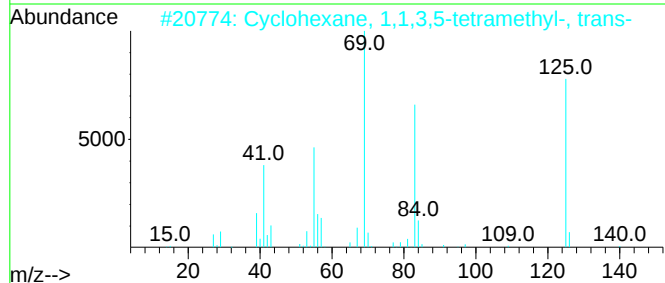
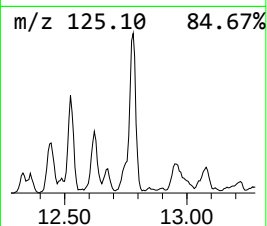
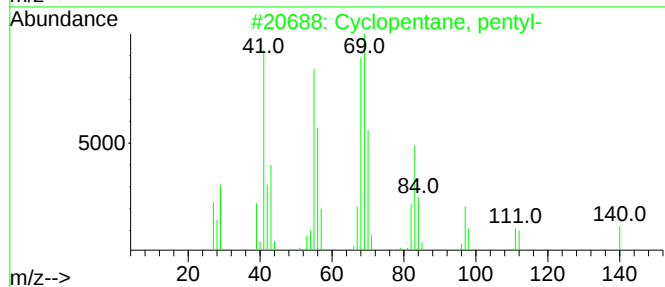
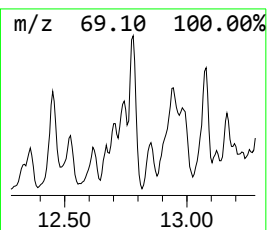
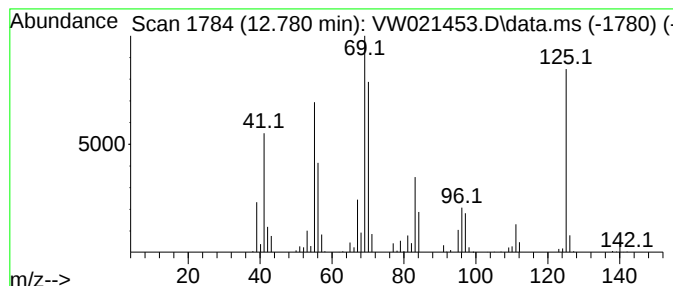
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Cyclic12.780 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	23.68 ug/L	325706	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, pentyl-	140	C10H20	003741-00-2	46
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	43
3			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	43
4			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	38
5			trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

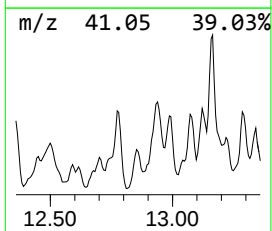
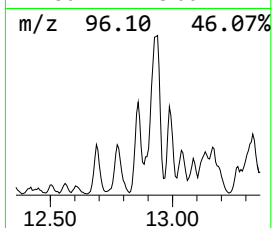
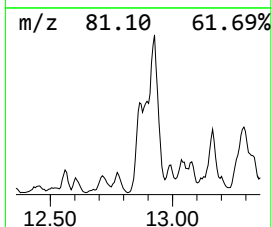
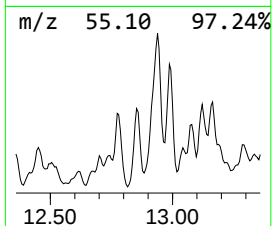
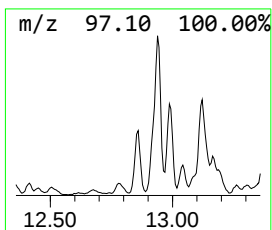
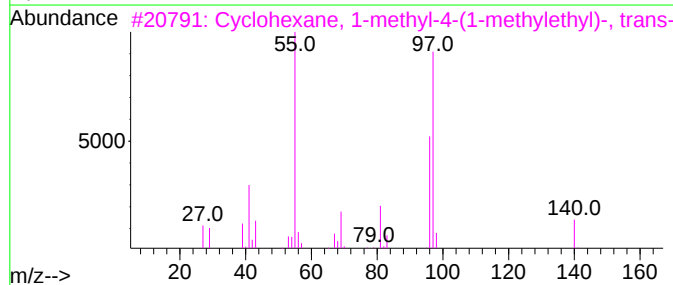
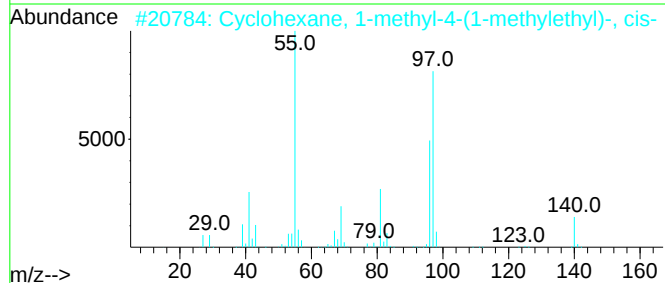
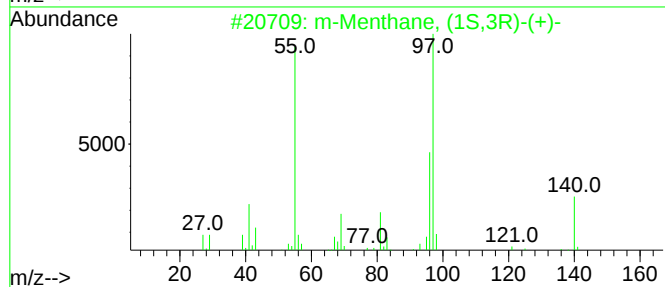
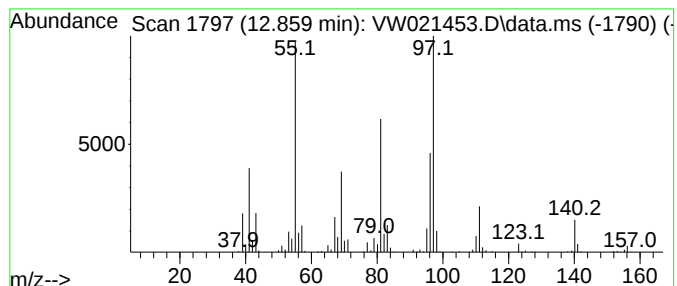
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 20 m-Menthane, (1S,3R)-(+)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	17.06 ug/L	234669	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	83
2			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	81
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	74
4			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	74
5			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

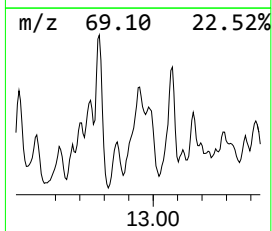
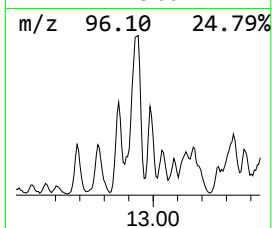
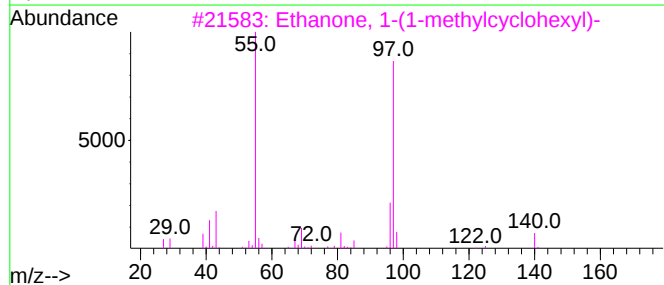
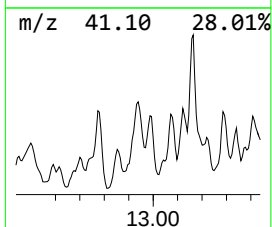
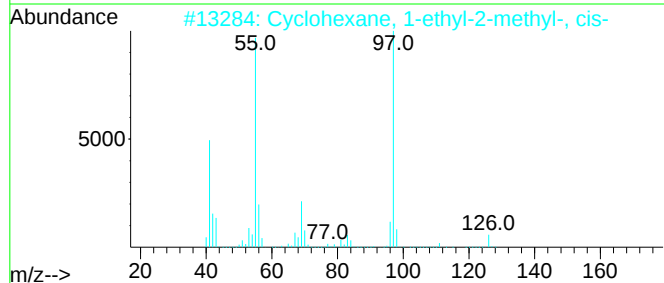
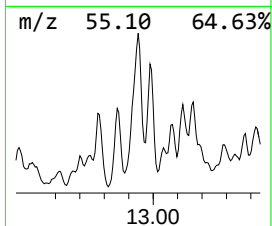
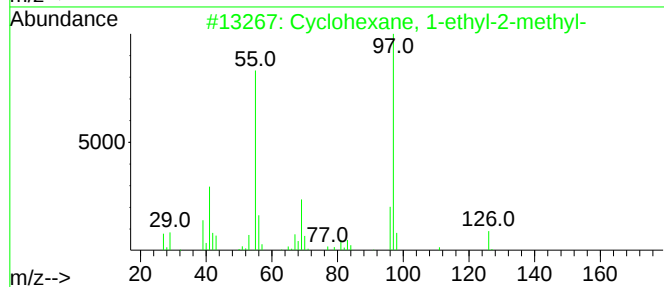
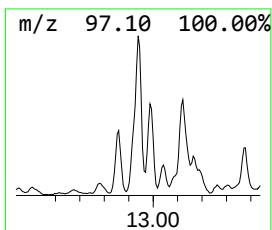
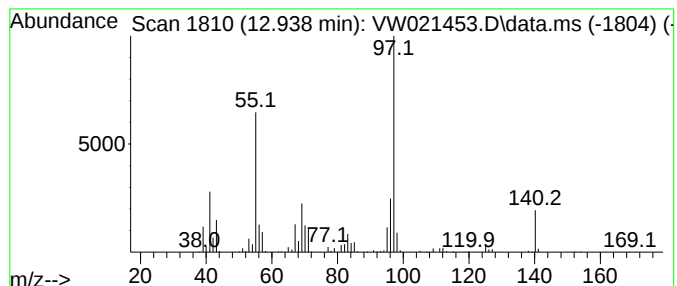
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Cyclic12.938 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.938	42.61 ug/L	586238	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	76
2			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	64
3			Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	59
4			Decahydrobenzopyran	140	C9H16O	1000429-74-9	53
5			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

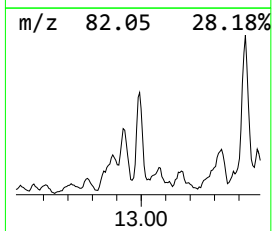
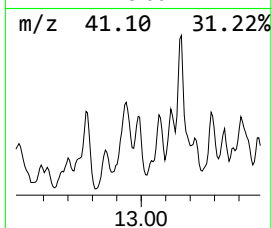
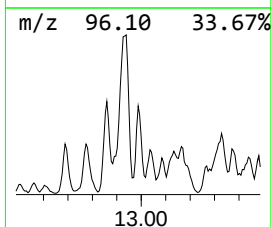
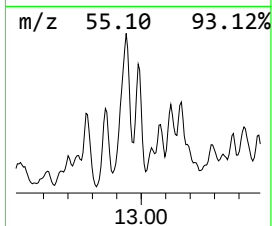
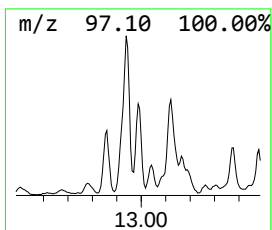
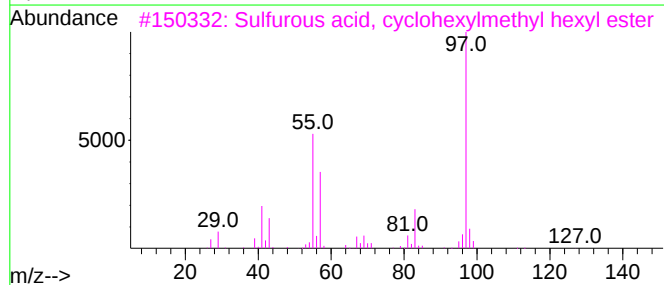
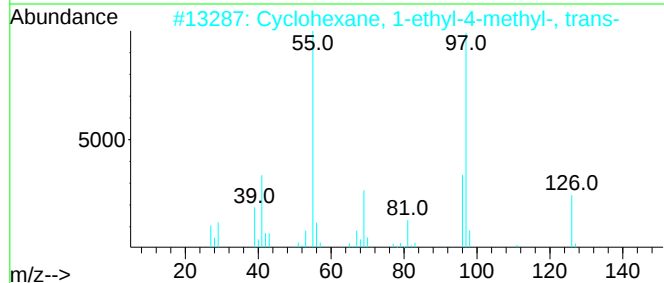
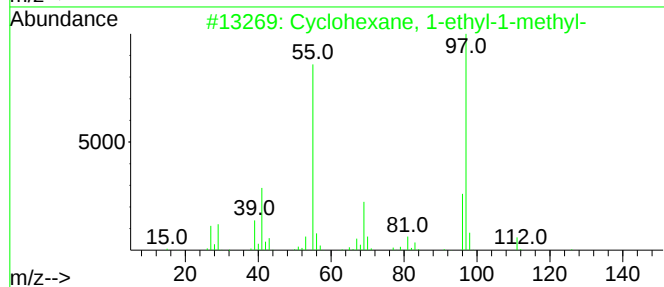
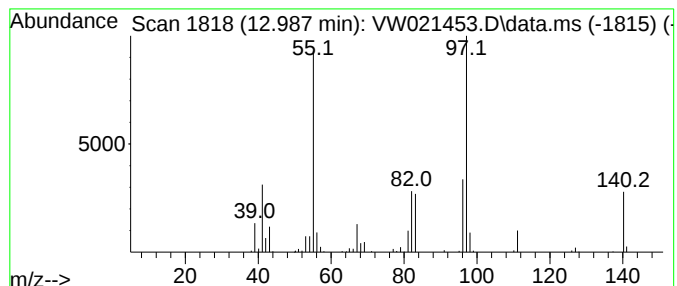
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Cyclic12.987 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.987	18.14 ug/L	249534	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	62
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	53
3			Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1010309-21-6	53
4			Sulfurous acid, cyclohexylmethyl...	276	C14H28O3S	1000309-21-7	53
5			Cyclohexane, (bromomethyl)-	176	C7H13Br	002550-36-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

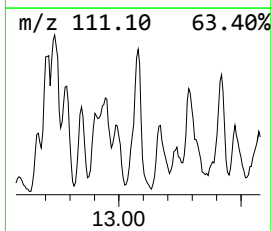
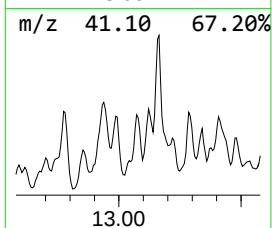
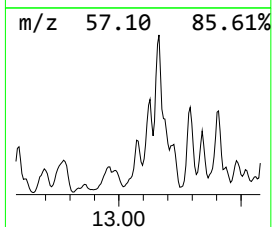
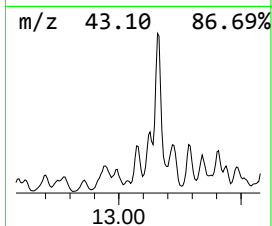
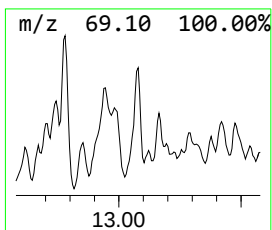
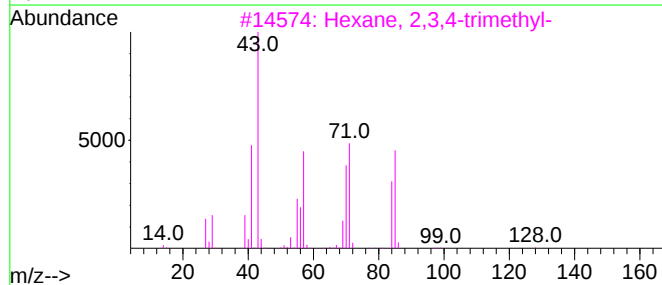
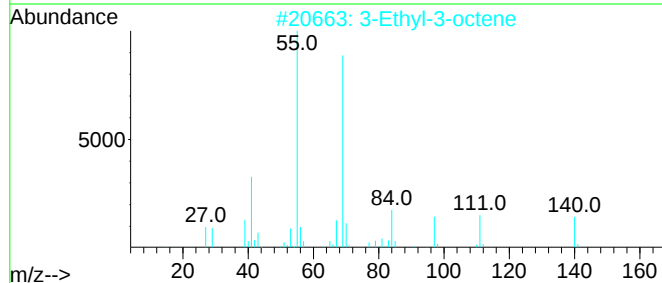
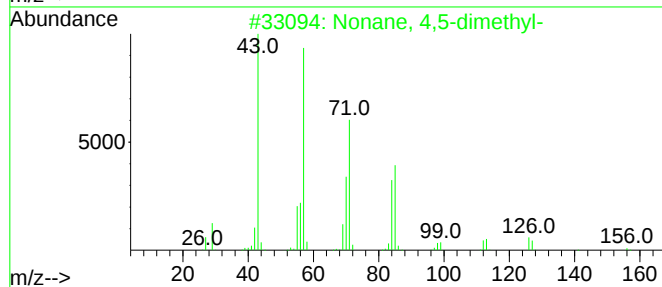
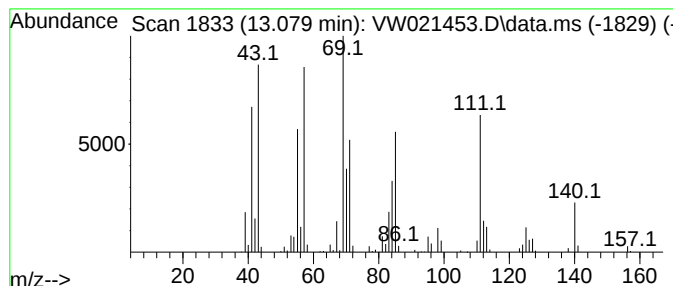
Instrument :
MSVOA_W
ClientSampleId :
BGL65

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.079	11.25 ug/L	154775	1,4-Dichlorobenzene-d4			13.554
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Nonane, 4,5-dimethyl-		156	C11H24	017302-23-7	46
2	3-Ethyl-3-octene		140	C10H20	019781-31-8	43
3	Hexane, 2,3,4-trimethyl-		128	C9H20	000921-47-1	41
4	1-Pentene, 2,3-dimethyl-		98	C7H14	003404-72-6	38
5	Trans-1,4-diethylcyclohexane		140	C10H20	013990-93-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

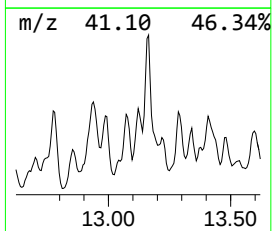
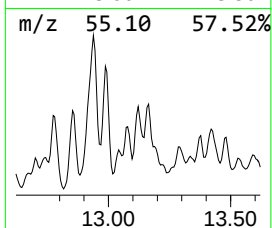
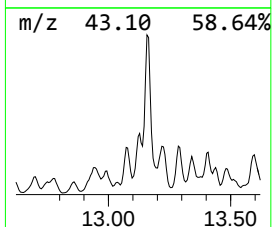
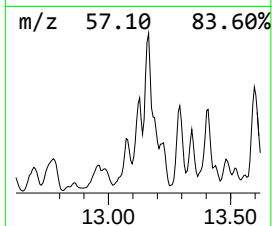
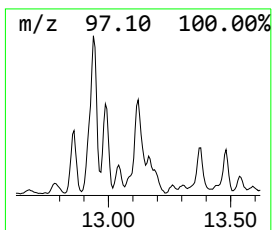
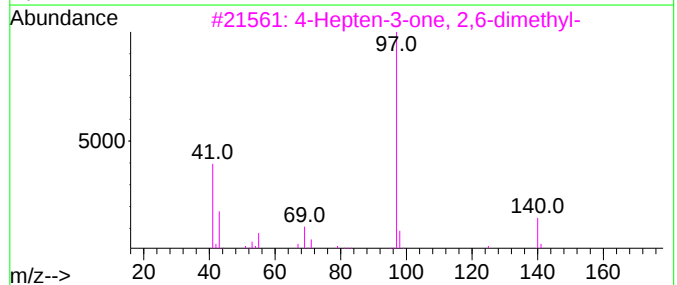
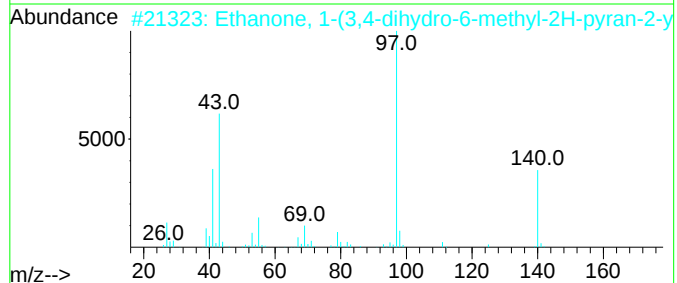
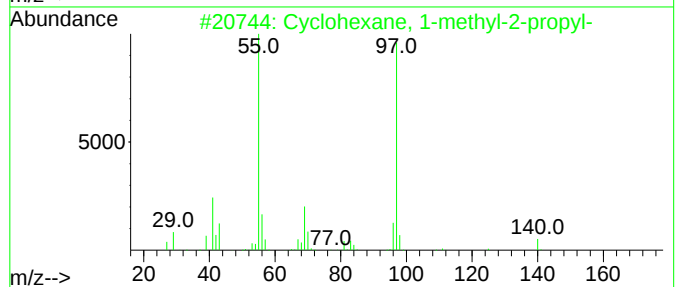
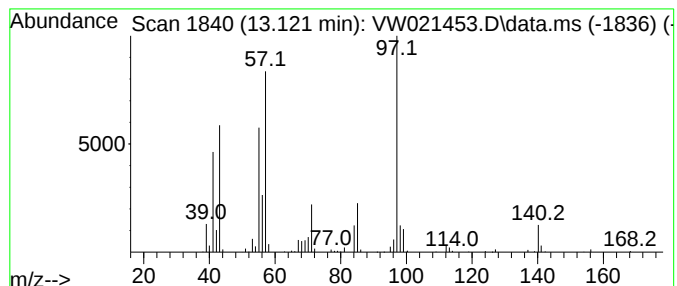
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 24 (DEL) Alkane: Cyclic13.121 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.121	12.86 ug/L	176949	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	43
2			Ethanone, 1-(3,4-dihydro-6-methy...	140	C8H12O2	028450-02-4	43
3			4-Hepten-3-one, 2,6-dimethyl-	140	C9H16O	056259-14-4	38
4			Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	38
5			2-Butyn-1-ol diethyl acetal	142	C8H14O2	002806-97-5	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

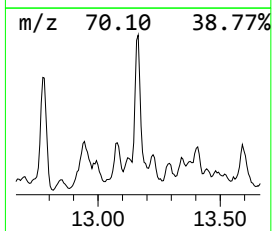
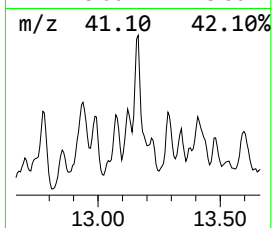
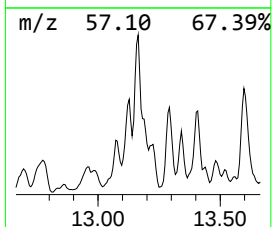
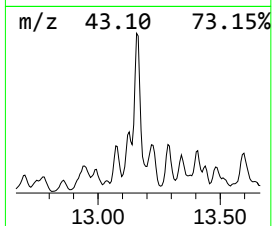
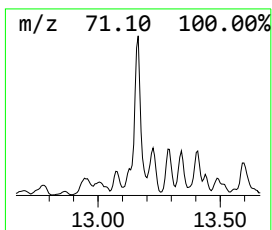
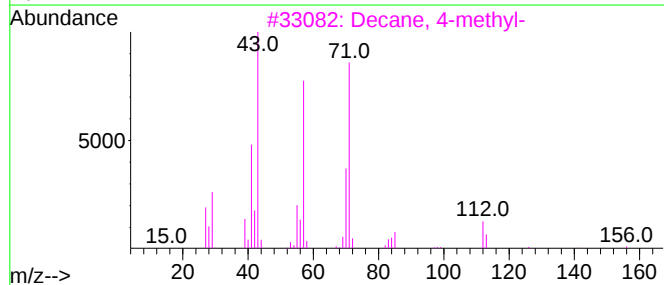
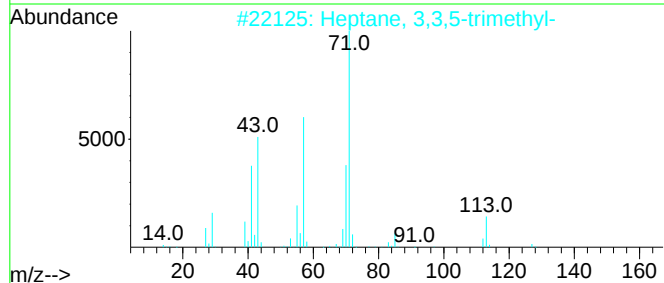
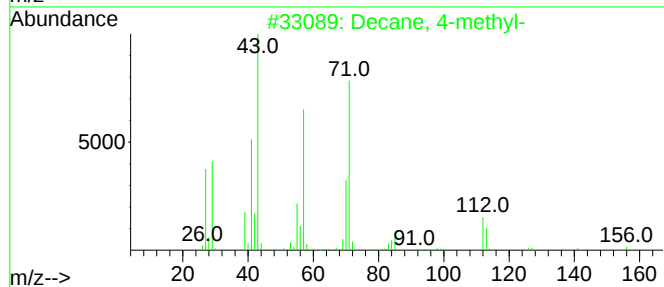
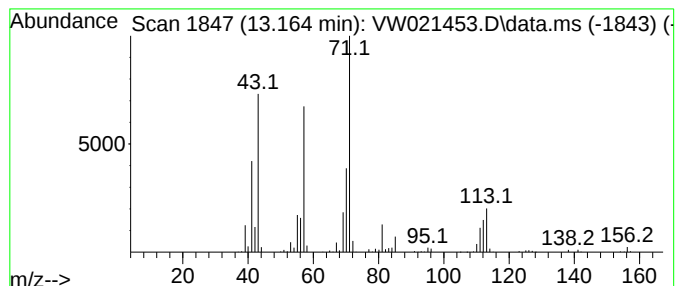
Instrument :
MSVOA_W
ClientSampleId :
BGL65

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.164	28.75 ug/L	395556	1,4-Dichlorobenzene-d4		13.554	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-		156	C11H24	002847-72-5	72
2	Heptane, 3,3,5-trimethyl-		142	C10H22	007154-80-5	64
3	Decane, 4-methyl-		156	C11H24	002847-72-5	59
4	Octane, 3-ethyl-		142	C10H22	005881-17-4	59
5	Heptane, 3,3,5-trimethyl-		142	C10H22	007154-80-5	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

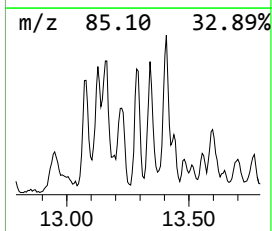
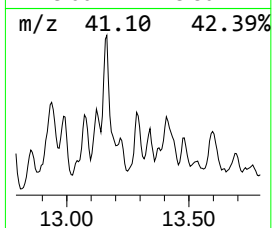
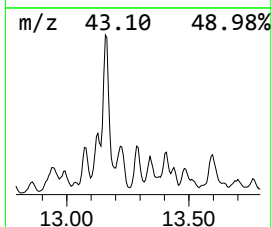
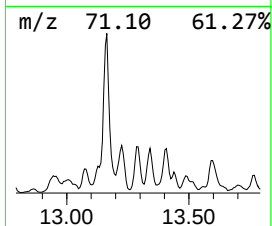
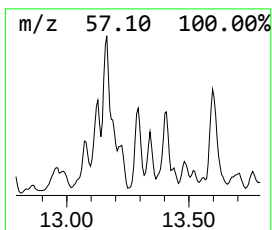
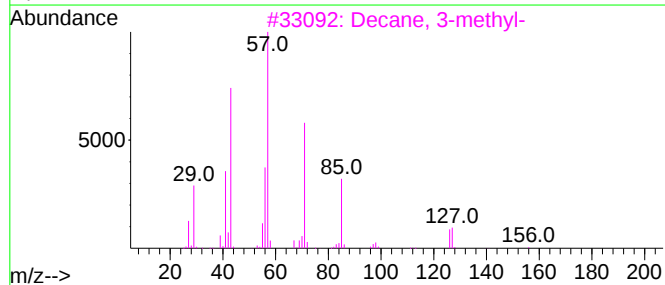
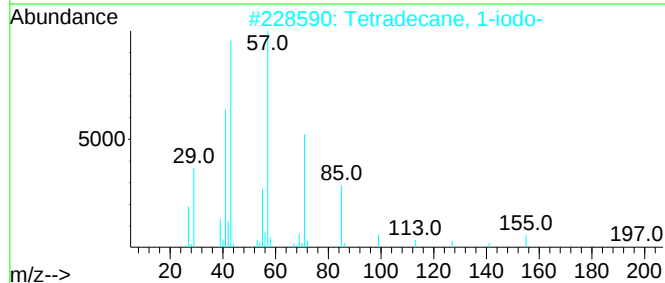
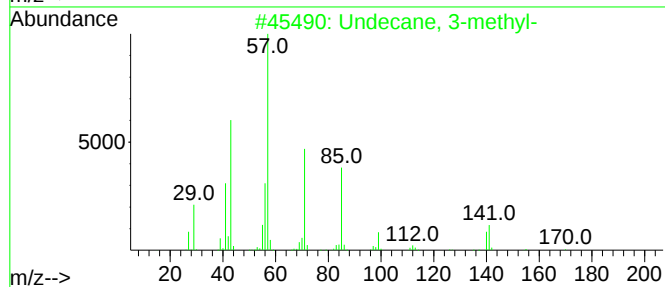
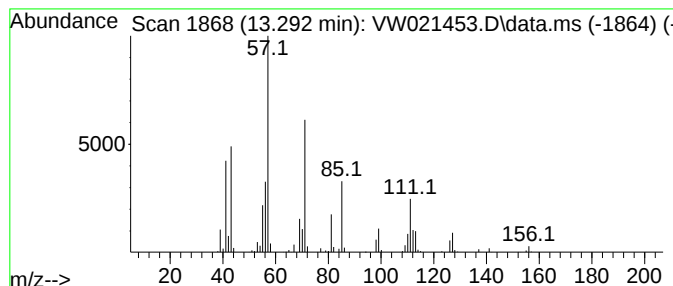
Instrument :
MSVOA_W
ClientSampleId :
BGL65

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.292	12.36 ug/L	169997	1,4-Dichlorobenzene-d4	13.554	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-	170	C12H26	001002-43-3	53
2	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	47
3	Decane, 3-methyl-	156	C11H24	013151-34-3	43
4	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	38
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

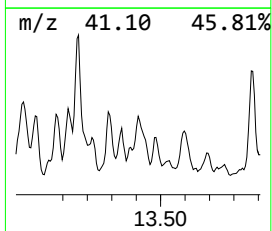
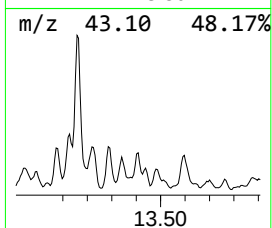
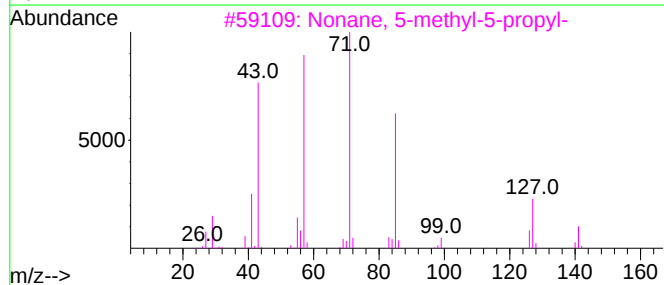
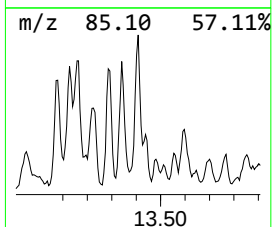
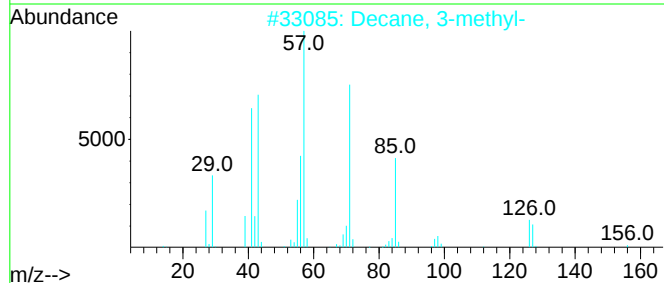
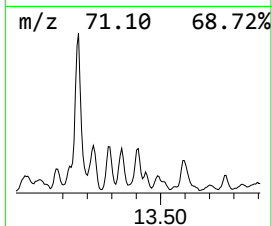
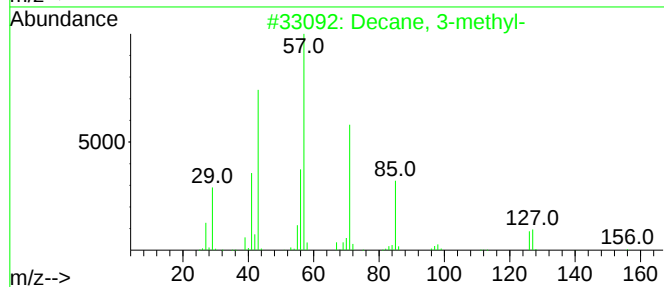
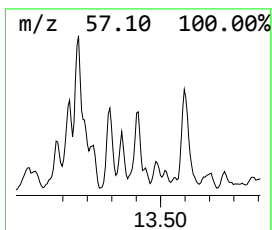
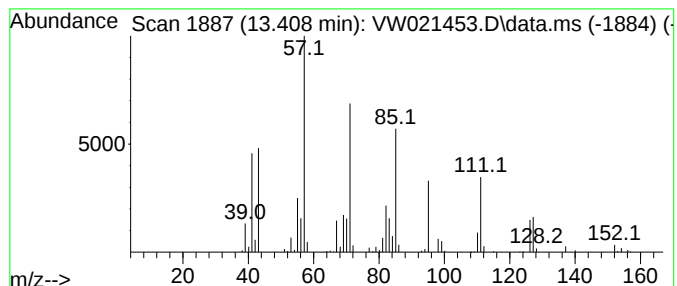
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.408	19.26 ug/L	264912	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3-methyl-	156	C11H24	013151-34-3	53
2			Decane, 3-methyl-	156	C11H24	013151-34-3	45
3			Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	43
4			Octadecane, 1-iodo-	380	C18H37I	000629-93-6	38
5			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

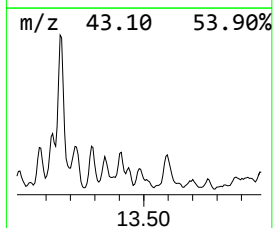
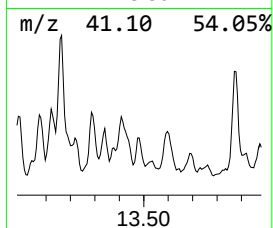
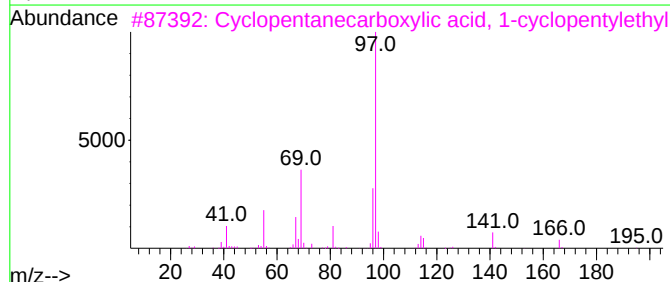
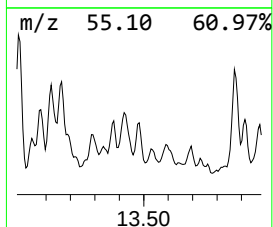
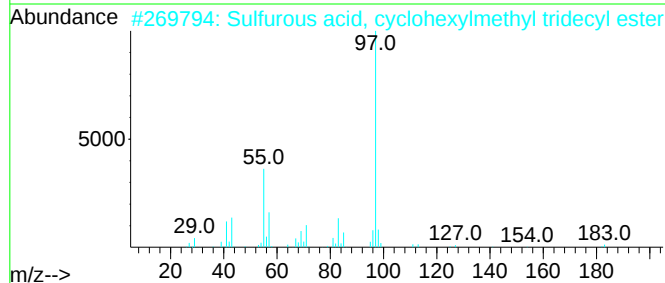
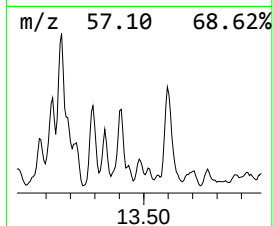
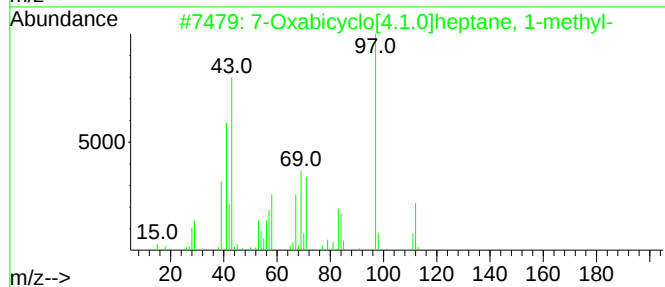
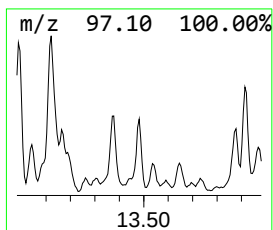
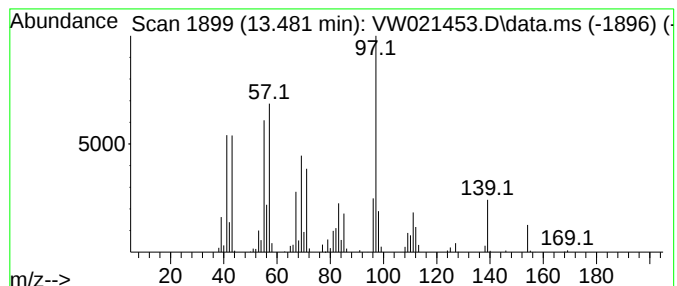
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 28 7-Oxabicyclo[4.1.0]heptane,... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.481	7.20 ug/L	99084	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			7-Oxabicyclo[4.1.0]heptane, 1-me...	112	C7H12O	001713-33-3	50
2			Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	43
3			Cyclopentanecarboxylic acid, 1-c...	210	C13H22O2	1000282-58-9	35
4			Hexatriacontyl pentafluoropropio...	669	C39H73F5O2	1000351-89-0	35
5			Cyclopropanemethanol, 2,2,3,3-te...	128	C8H16O	002415-96-5	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

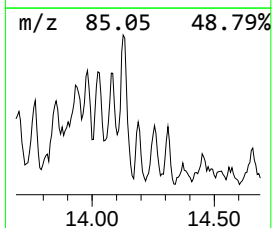
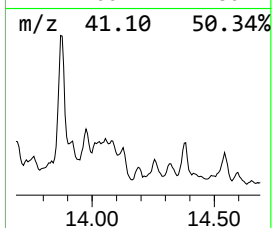
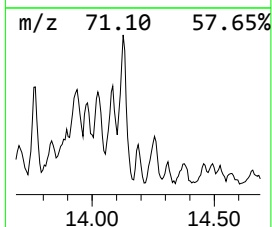
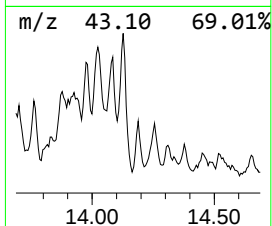
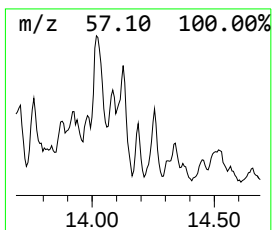
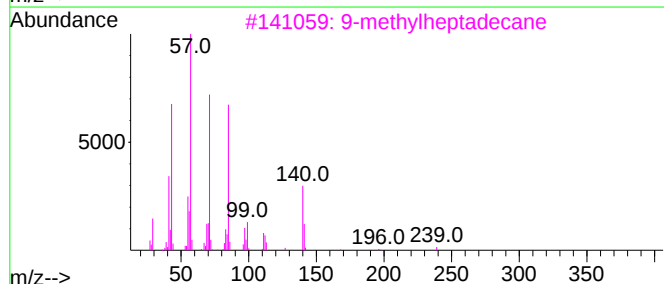
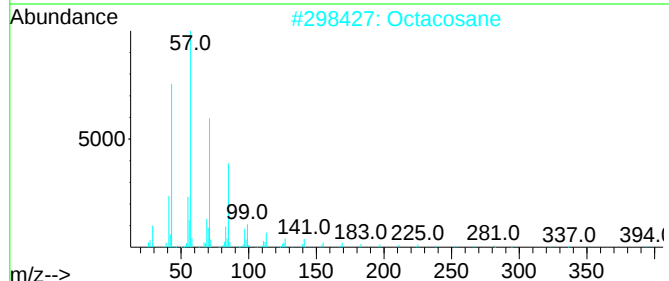
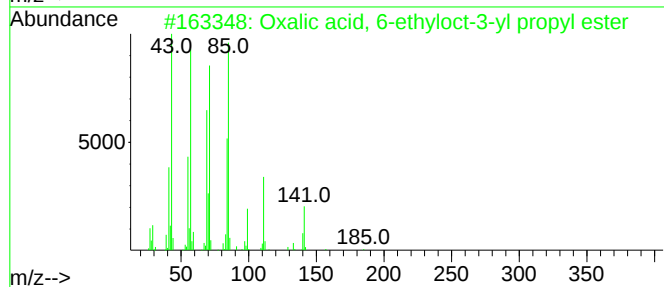
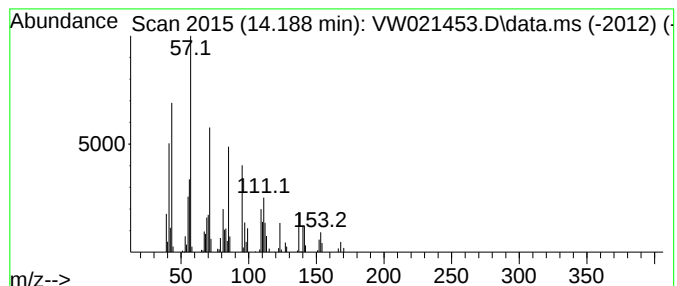
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 29 unknown-01 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.188	2.59 ug/L	35573	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, 6-ethyloct-3-yl pro...	272	C15H28O4	1000309-34-0	43
2			Octacosane	394	C28H58	000630-02-4	38
3			9-methylheptadecane	254	C18H38	026741-18-4	38
4			Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	38
5			Nonadecane, 9-methyl-	282	C20H42	013287-24-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

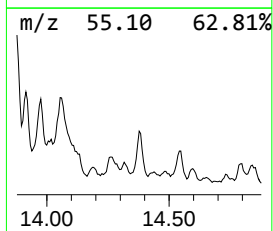
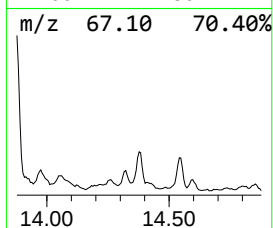
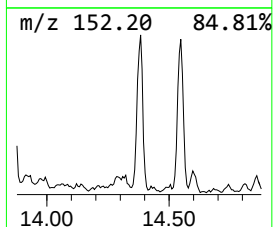
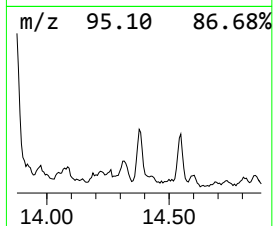
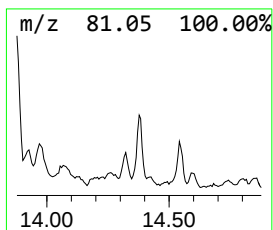
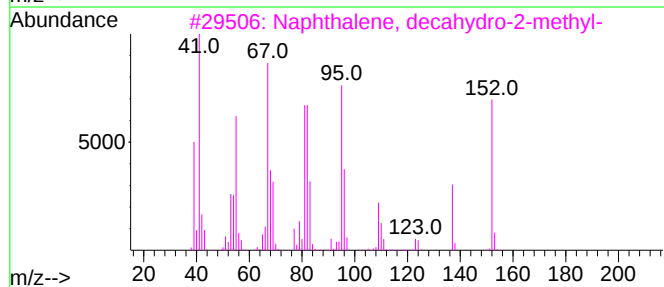
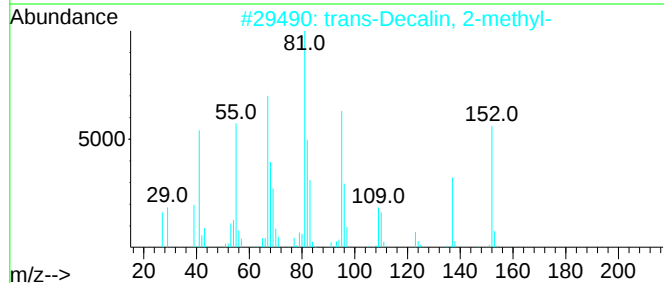
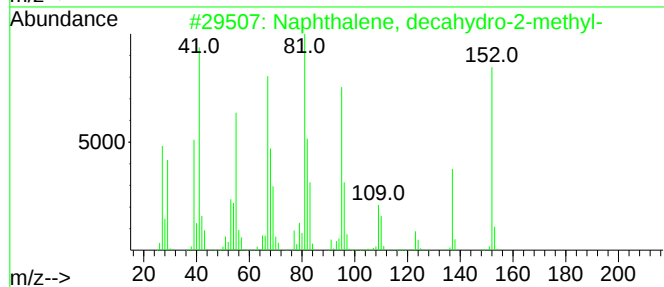
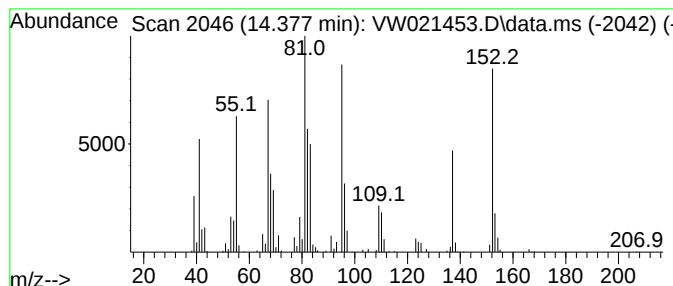
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 30 Naphthalene, decahydro-2-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.377	9.43 ug/L	129710	1,4-Dichlorobenzene-d4	13.554

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	94
3			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	86
4			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	86
5			Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

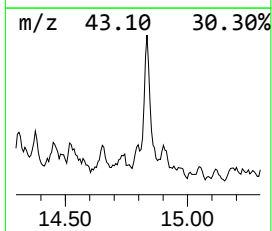
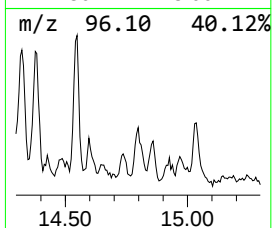
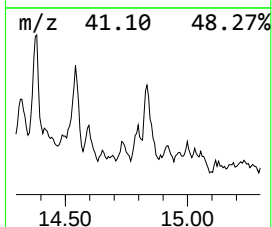
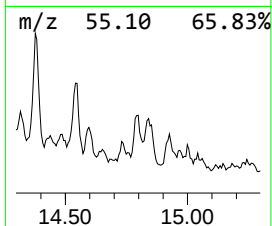
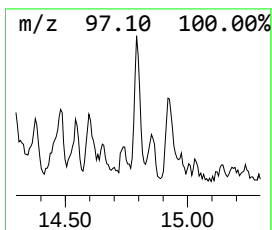
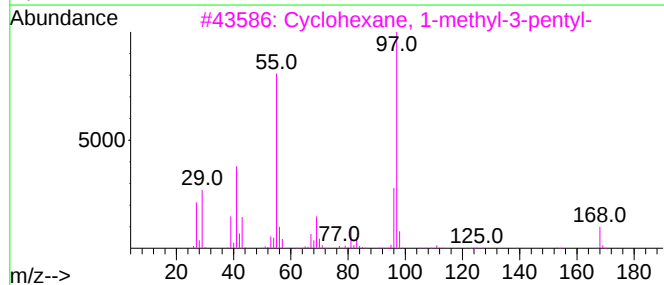
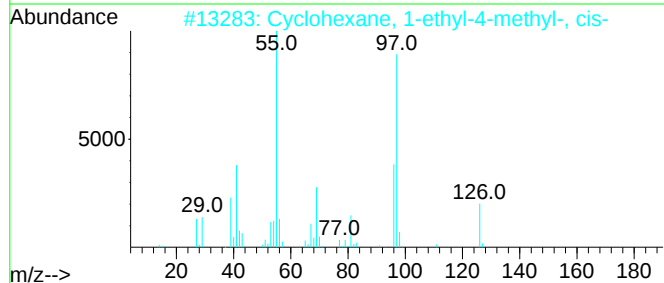
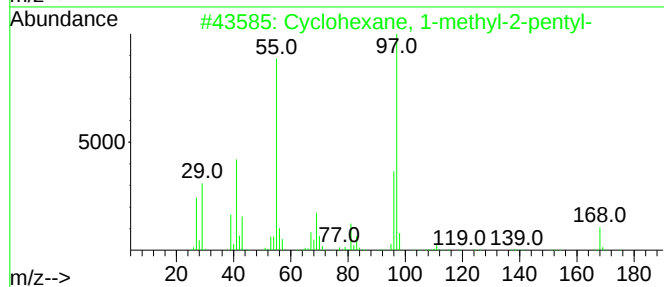
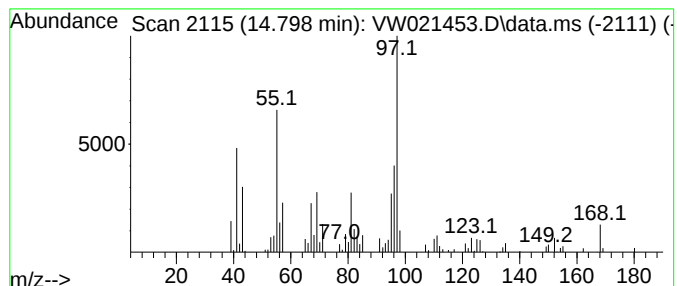
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 31 (DEL) Alkane: Cyclic14.798 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.798	2.38 ug/L	32719	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	62
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	58
3			Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	58
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	53
5			1-Methylpyrazol-3-amine	97	C4H7N3	001904-31-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021453.D
Acq On : 18 Dec 2021 04:28
Operator : SY/VA
Sample : M5121-15
Misc : 6.89g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL65

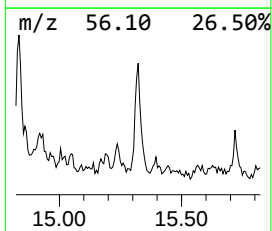
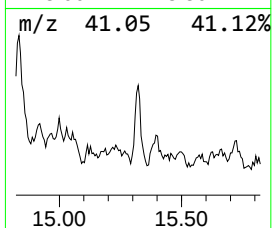
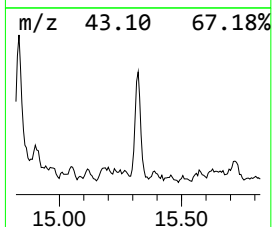
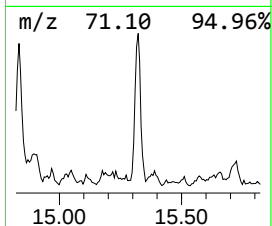
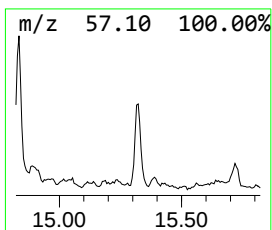
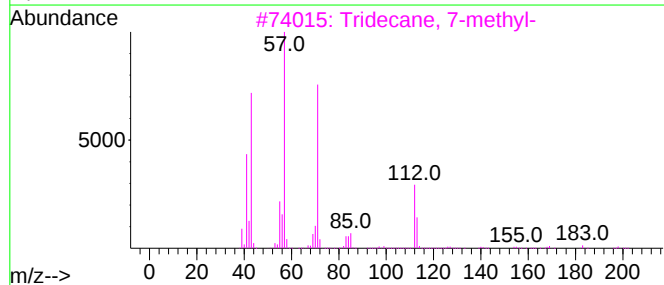
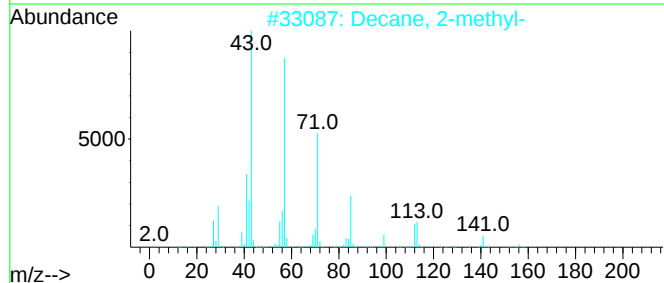
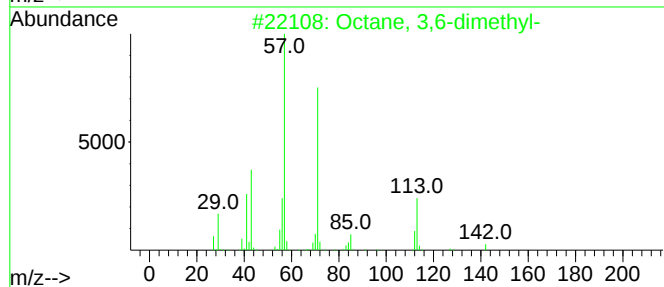
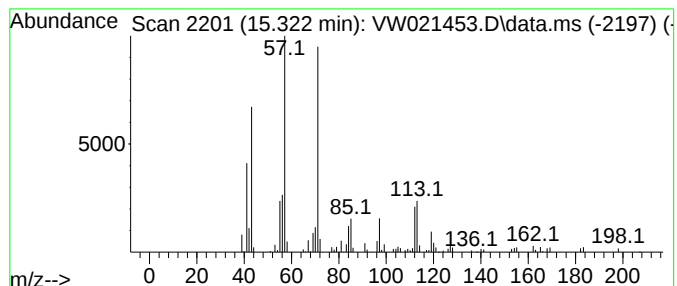
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	3.76 ug/L	51742	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
2			Decane, 2-methyl-	156	C11H24	006975-98-0	59
3			Tridecane, 7-methyl-	198	C14H30	026730-14-3	58
4			Octane, 2-bromo-	192	C8H17Br	000557-35-7	52
5			Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
 Data File : VW021453.D
 Acq On : 18 Dec 2021 04:28
 Operator : SY/VA
 Sample : M5121-15
 Misc : 6.89g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL65

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0

TIC Library : C:\Database\NIST0.L
 TIC Integration Parameters: LSCINT.P

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	10.847	1.5	ug/L	28017	2	11.628	474474	25.0
(DEL) Alkane: S...	11.036	5.1	ug/L	95948	2	11.628	474474	25.0
(DEL) Alkane: C...	11.110	2.9	ug/L	55869	2	11.628	474474	25.0
(DEL) Alkane: C...	11.225	1.4	ug/L	27296	2	11.628	474474	25.0
Hexane, 1-(hexy...	11.378	2.7	ug/L	51158	2	11.628	474474	25.0
(DEL) Alkane: C...	11.433	3.5	ug/L	66321	2	11.628	474474	25.0
(DEL) Alkane: C...	11.817	2.4	ug/L	45051	2	11.628	474474	25.0
(DEL) Alkane: C...	11.872	5.6	ug/L	106679	2	11.628	474474	25.0
(DEL) Alkane: C...	11.914	3.5	ug/L	65565	2	11.628	474474	25.0
(DEL) Alkane: S...	12.000	3.0	ug/L	57888	2	11.628	474474	25.0
2-Nonanol, trim...	12.060	4.2	ug/L	78689	2	11.628	474474	25.0
(DEL) Alkane: S...	12.134	15.9	ug/L	301937	2	11.628	474474	25.0
(DEL) Alkane: S...	12.249	15.3	ug/L	289436	2	11.628	474474	25.0
(DEL) Alkane: S...	12.329	10.9	ug/L	206471	2	11.628	474474	25.0
(DEL) Alkane: S...	12.359	10.0	ug/L	189047	2	11.628	474474	25.0
(DEL) Alkane: C...	12.451	10.7	ug/L	202614	2	11.628	474474	25.0
(DEL) Alkane: S...	12.591	2.7	ug/L	37544	3	13.554	343935	25.0
(DEL) Alkane: C...	12.780	23.7	ug/L	325706	3	13.554	343935	25.0
m-Menthane, (1S...	12.859	17.1	ug/L	234669	3	13.554	343935	25.0
(DEL) Alkane: C...	12.938	42.6	ug/L	586238	3	13.554	343935	25.0
(DEL) Alkane: C...	12.987	18.1	ug/L	249534	3	13.554	343935	25.0
(DEL) Alkane: S...	13.079	11.3	ug/L	154775	3	13.554	343935	25.0
(DEL) Alkane: C...	13.121	12.9	ug/L	176949	3	13.554	343935	25.0
(DEL) Alkane: S...	13.164	28.8	ug/L	395556	3	13.554	343935	25.0
(DEL) Alkane: S...	13.292	12.4	ug/L	169997	3	13.554	343935	25.0
(DEL) Alkane: S...	13.408	19.3	ug/L	264912	3	13.554	343935	25.0
7-Oxabicyclo[4....	13.481	7.2	ug/L	99084	3	13.554	343935	25.0
unknown-01	14.188	2.6	ug/L	35573	3	13.554	343935	25.0
Naphthalene, de...	14.377	9.4	ug/L	129710	3	13.554	343935	25.0
(DEL) Alkane: C...	14.798	2.4	ug/L	32719	3	13.554	343935	25.0
(DEL) Alkane: S...	15.322	3.8	ug/L	51742	3	13.554	343935	25.0