

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
 Data File : VW026894.D
 Acq On : 25 Aug 2023 14:42
 Operator : SY/MD
 Sample : 04113-16RE
 Misc : 5.82g/10mL/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BZYJ2RE

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\SFAMWLM081023SMA.M
 Title : SFAM01.0

Signal : TIC: VW026894.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.174	41	47	49	rBV4	4959	9133	0.14%	0.013%
2	2.222	51	55	56	rBV4	6059	8456	0.13%	0.012%
3	3.295	229	231	233	rBV3	1553	1788	0.03%	0.003%
4	3.808	313	315	319	rVB5	1380	2032	0.03%	0.003%
5	3.893	326	329	332	rBV5	2487	3584	0.05%	0.005%
6	4.015	340	349	359	rVB3	23075	64694	0.96%	0.093%
7	4.131	359	368	373	rBV	5662	14327	0.21%	0.021%
8	4.338	399	402	405	rVB5	1595	1795	0.03%	0.003%
9	4.375	405	408	409	rBV3	2879	2897	0.04%	0.004%
10	4.917	487	497	503	rBV8	8781	29690	0.44%	0.043%
11	5.051	516	519	521	rBV4	1876	1933	0.03%	0.003%
12	5.100	524	527	533	rVB7	2239	4579	0.07%	0.007%
13	5.149	533	535	537	rBV3	2498	2244	0.03%	0.003%
14	5.429	578	581	583	rBV4	1640	2466	0.04%	0.004%
15	5.935	659	664	666	rBV6	1667	2605	0.04%	0.004%
16	6.118	691	694	699	rBV6	1564	2707	0.04%	0.004%
17	6.185	702	705	708	rBV5	1324	2160	0.03%	0.003%
18	6.271	716	719	721	rVB4	1962	2177	0.03%	0.003%
19	6.289	721	722	726	rBV4	1979	1759	0.03%	0.003%
20	6.575	767	769	771	rVB3	2810	2340	0.03%	0.003%
21	6.618	771	776	777	rBV5	1801	2643	0.04%	0.004%
22	6.667	780	784	786	rVB5	2816	3513	0.05%	0.005%
23	6.697	786	789	790	rBV3	1552	1930	0.03%	0.003%
24	6.728	792	794	797	rVB4	1620	1991	0.03%	0.003%
25	6.807	803	807	809	rVB5	1754	1925	0.03%	0.003%
26	6.886	812	820	824	rBV10	2217	5779	0.09%	0.008%
27	6.978	832	835	836	rBV3	2344	3210	0.05%	0.005%
28	7.094	846	854	858	rBV	9706	27031	0.40%	0.039%
29	7.337	892	894	899	rVB6	1940	2491	0.04%	0.004%
30	7.392	899	903	904	rBV4	1464	1889	0.03%	0.003%
31	7.411	904	906	911	rVB6	1833	2337	0.03%	0.003%
32	7.465	911	915	916	rBV3	1304	1770	0.03%	0.003%
33	7.654	937	946	954	rBV	40168	102355	1.52%	0.147%
34	7.849	975	978	979	rBV3	2684	3326	0.05%	0.005%
35	7.868	979	981	983	rVB3	2258	1779	0.03%	0.003%
36	7.929	983	991	994	rBV7	6858	16092	0.24%	0.023%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
 Data File : VW026894.D
 Acq On : 25 Aug 2023 14:42
 Operator : SY/MD
 Sample : 04113-16RE
 Misc : 5.82g/10mL/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BZYJ2RE

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\SFAMWLM081023SMA.M
 Title : SFAM01.0

37	8.026	1002	1007	1017	rVB10	6486	16772	0.25%	0.024%
38	8.154	1021	1028	1034	rBV4	9222	22490	0.33%	0.032%
39	8.215	1034	1038	1039	rBV4	1734	2241	0.03%	0.003%
40	8.276	1040	1048	1062	rVV3	70145	216309	3.22%	0.311%
41	8.441	1067	1075	1076	rVV7	5449	12180	0.18%	0.018%
42	8.477	1078	1081	1091	rVV4	12473	32567	0.48%	0.047%
43	8.575	1091	1097	1104	rVB9	9435	21317	0.32%	0.031%
44	8.648	1106	1109	1110	rBV3	1809	1769	0.03%	0.003%
45	8.691	1110	1116	1125	rBV6	8573	20397	0.30%	0.029%
46	8.843	1133	1141	1148	rBV	81077	169253	2.52%	0.243%
47	9.087	1177	1181	1182	rVB4	2007	1960	0.03%	0.003%
48	9.276	1203	1212	1217	rBV2	59234	142611	2.12%	0.205%
49	9.331	1218	1221	1227	rVB2	43140	76622	1.14%	0.110%
50	9.465	1240	1243	1246	rBV5	2805	2993	0.04%	0.004%
51	9.520	1246	1252	1255	rVB8	4561	7472	0.11%	0.011%
52	9.605	1261	1266	1272	rVB2	17325	33777	0.50%	0.049%
53	9.758	1282	1291	1299	rBV2	31129	67452	1.00%	0.097%
54	9.849	1302	1306	1308	rBV4	3586	4812	0.07%	0.007%
55	9.892	1308	1313	1318	rBV	21006	38679	0.58%	0.056%
56	9.959	1318	1324	1327	rBV2	27199	48745	0.73%	0.070%
57	10.032	1333	1336	1340	rBV2	12196	19189	0.29%	0.028%
58	10.087	1340	1345	1357	rVB4	34820	100127	1.49%	0.144%
59	10.215	1361	1366	1367	rBV5	9019	13479	0.20%	0.019%
60	10.245	1367	1371	1377	rVB3	16224	28392	0.42%	0.041%
61	10.319	1377	1383	1388	rBV2	157894	306790	4.57%	0.441%
62	10.447	1401	1404	1406	rBV3	7315	10678	0.16%	0.015%
63	10.501	1406	1413	1420	rVB4	56337	140818	2.10%	0.203%
64	10.581	1422	1426	1427	rBV2	13252	15426	0.23%	0.022%
65	10.617	1429	1432	1435	rVV3	22296	32103	0.48%	0.046%
66	10.666	1435	1440	1447	rVB	115215	205804	3.06%	0.296%
67	10.758	1449	1455	1460	rBV4	68776	145580	2.17%	0.209%
68	10.843	1466	1469	1474	rVB2	32348	51928	0.77%	0.075%
69	10.934	1474	1484	1490	rBV2	149500	289245	4.31%	0.416%
70	11.032	1490	1500	1508	rBV2	96338	235199	3.50%	0.338%
71	11.111	1508	1513	1516	rBV	80229	141511	2.11%	0.204%
72	11.172	1521	1523	1527	rVV	100860	157499	2.34%	0.227%
73	11.227	1527	1532	1538	rVV	412314	763520	11.37%	1.098%
74	11.282	1538	1541	1545	rVV	111457	172928	2.57%	0.249%
75	11.331	1545	1549	1553	rVV4	118058	206295	3.07%	0.297%
76	11.434	1554	1566	1574	rVB3	418006	1027181	15.29%	1.477%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
 Data File : VW026894.D
 Acq On : 25 Aug 2023 14:42
 Operator : SY/MD
 Sample : 04113-16RE
 Misc : 5.82g/10mL/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BZYJ2RE

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\SFAMWLM081023SMA.M
 Title : SFAM01.0

77	11.513	1574	1579	1583	rBV	135226	237019	3.53%	0.341%
78	11.629	1594	1598	1601	rBV	66995	108621	1.62%	0.156%
79	11.763	1615	1620	1624	rBV	259367	378636	5.64%	0.545%
80	11.818	1624	1629	1633	rBV2	225434	418081	6.22%	0.601%
81	11.873	1634	1638	1649	rVB5	407797	1370275	20.40%	1.971%
82	11.971	1649	1654	1657	rBV	205740	379428	5.65%	0.546%
83	12.135	1673	1681	1687	rBV3	946915	2259345	33.63%	3.249%
84	12.251	1696	1700	1704	rVB	940121	1509138	22.46%	2.170%
85	12.336	1704	1714	1724	rBV5	1077691	3633726	54.09%	5.226%
86	12.696	1765	1773	1777	rBV7	855739	2119345	31.55%	3.048%
87	12.775	1782	1786	1793	rVB2	2236103	4036688	60.09%	5.806%
88	12.855	1793	1799	1805	rBV5	983991	2596865	38.66%	3.735%
89	12.940	1807	1813	1826	rVB6	1081219	4743295	70.61%	6.822%
90	13.074	1832	1835	1839	rVB3	779256	1051323	15.65%	1.512%
91	13.117	1839	1842	1846	rBV3	532330	747069	11.12%	1.074%
92	13.166	1846	1850	1862	rVB6	1355118	3322979	49.46%	4.779%
93	13.263	1862	1866	1867	rBV	536990	753770	11.22%	1.084%
94	13.288	1867	1870	1874	rVB	881058	1185565	17.65%	1.705%
95	13.873	1961	1966	1971	rBV2	3871793	6430292	95.72%	9.248%
96	14.257	2026	2029	2035	rVB4	1488496	2391352	35.60%	3.439%
97	14.379	2045	2049	2053	rBV2	4012133	5894096	87.74%	8.477%
98	14.543	2072	2076	2081	rVB3	3642067	5452499	81.16%	7.842%
99	14.836	2121	2124	2131	rVB4	3244037	6717925	100.00%	9.662%
100	15.318	2199	2203	2210	rVB	4026206	6446762	95.96%	9.272%

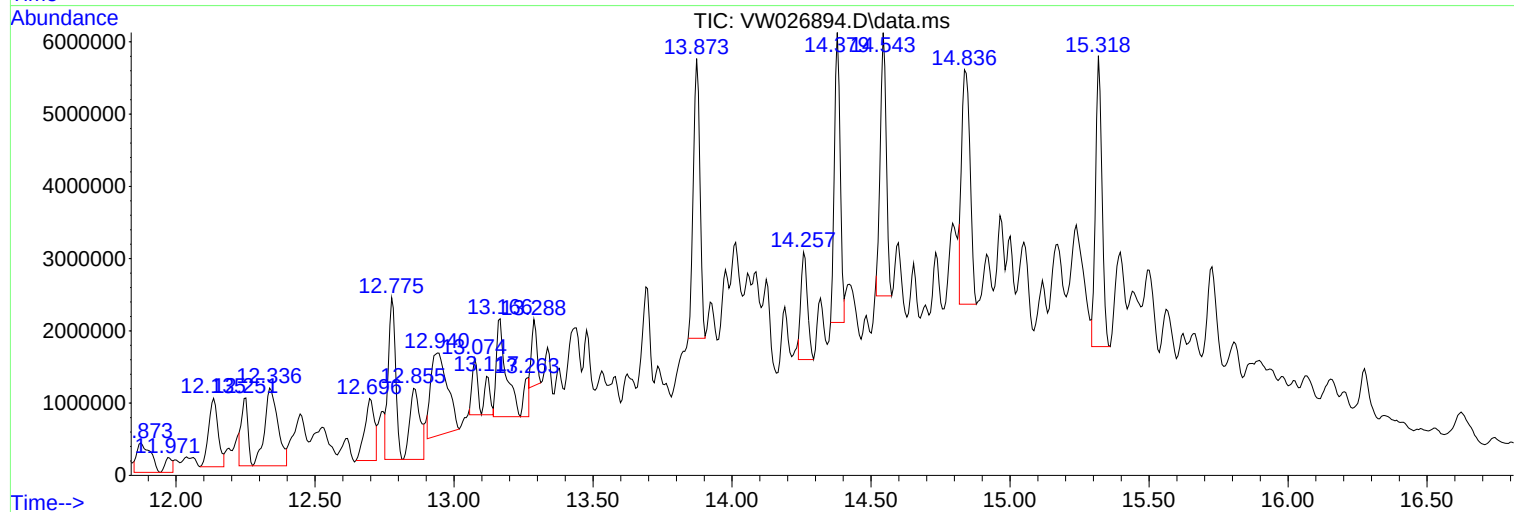
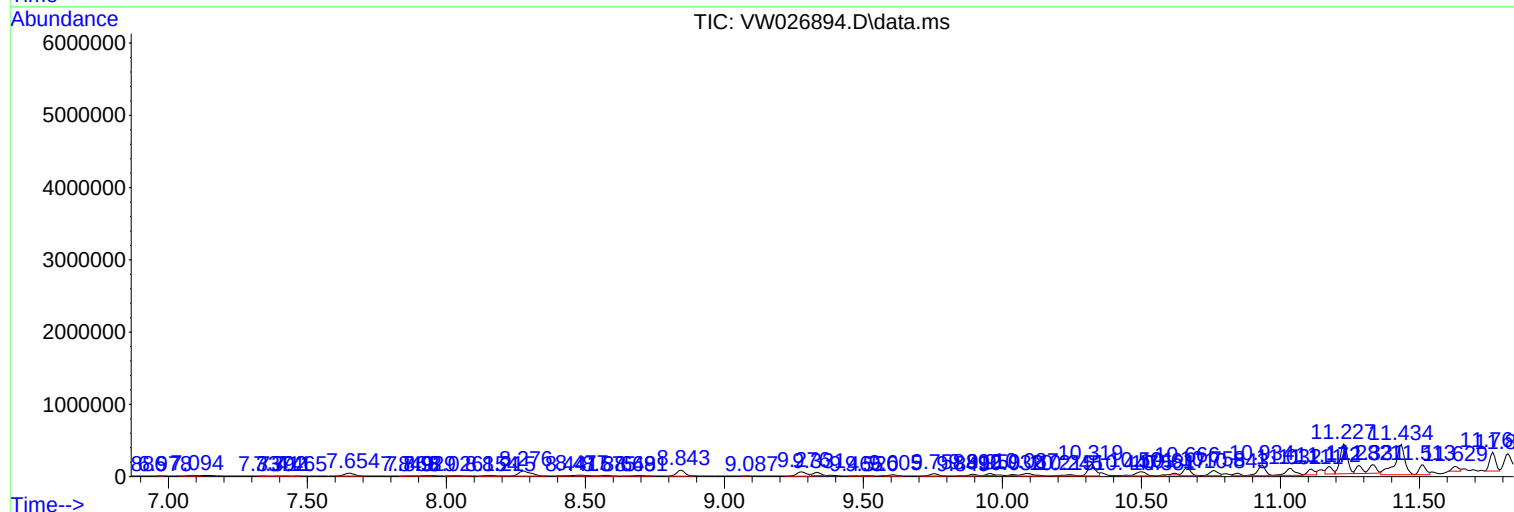
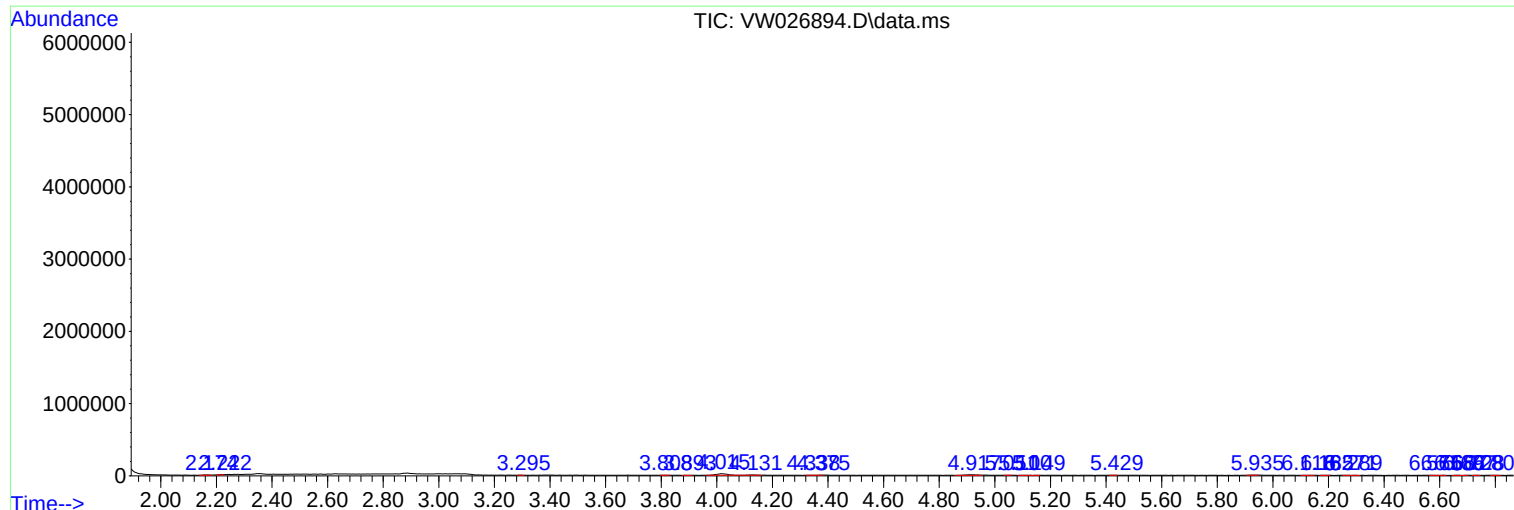
Sum of corrected areas: 69531631

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

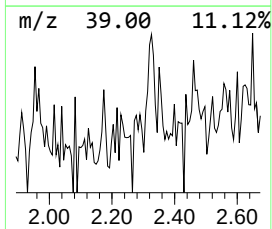
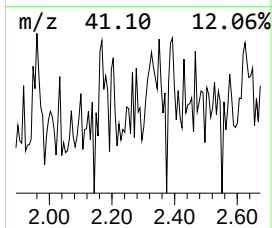
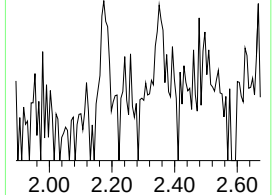
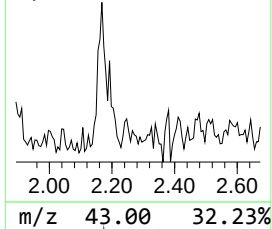
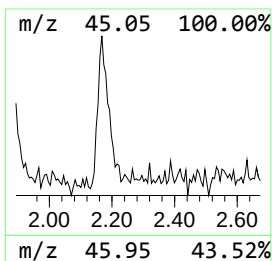
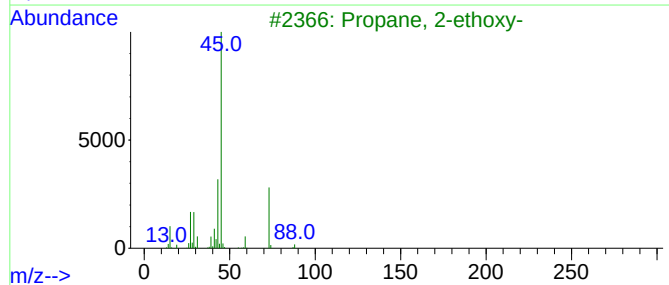
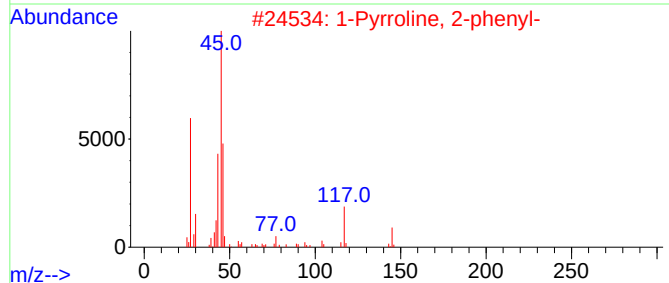
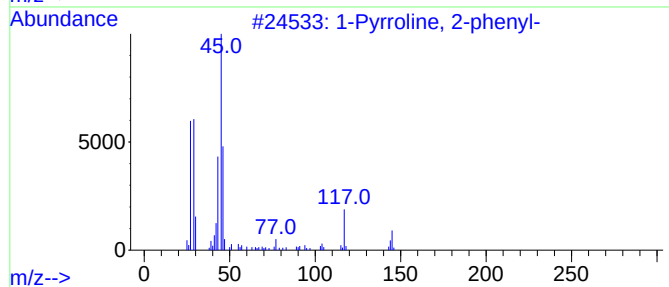
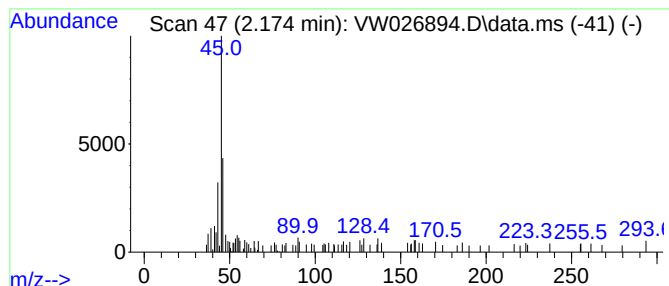
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 unknown-01 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.174	1.35 ug/L	9133	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pyrroline, 2-phenyl-			145	C10H11N	000700-91-4	42
2	1-Pyrroline, 2-phenyl-			145	C10H11N	000700-91-4	42
3	Propane, 2-ethoxy-			88	C5H12O	000625-54-7	38
4	Propanedioic acid, dihydroxy-			136	C3H4O6	000560-27-0	36
5	Propane, 2-ethoxy-			88	C5H12O	000625-54-7	32



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

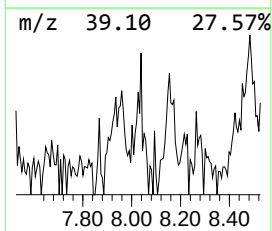
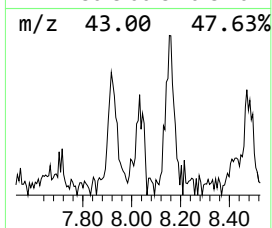
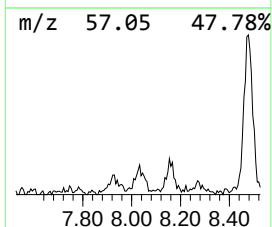
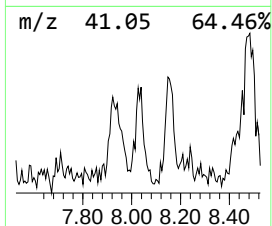
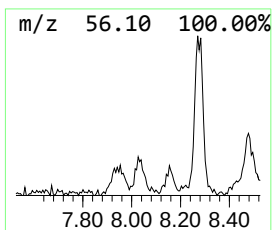
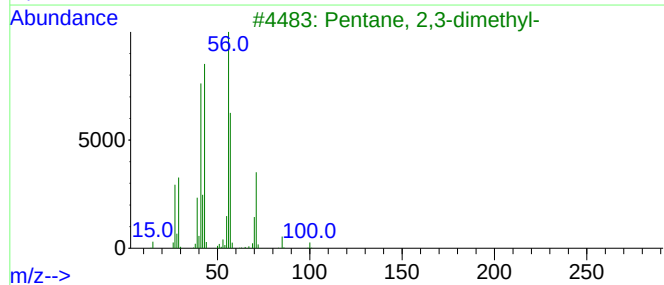
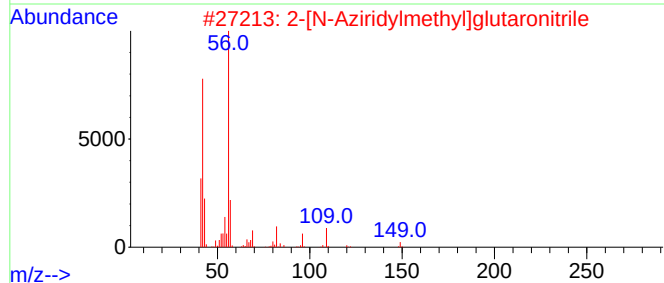
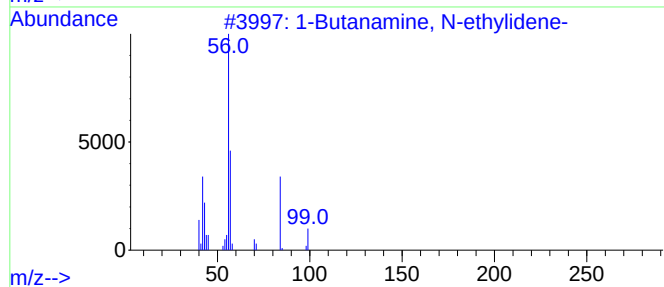
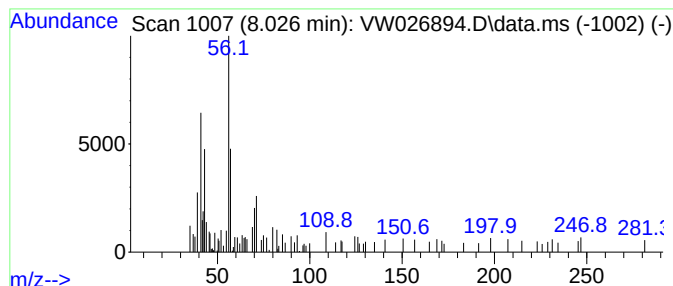
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 unknown-02 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.026	2.48 ug/L	16772	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Butanamine, N-ethylidene-	99	C6H13N	006898-74-4	47
2			2-[N-Aziridylmethyl]glutaronitrile	149	C8H11N3	019626-79-0	47
3			Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	43
4			1-Heptene, 2,6-dimethyl-	126	C9H18	003074-78-0	43
5			(1R,2R)-(-)-1,2-Diaminocyclohexane	114	C6H14N2	020439-47-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

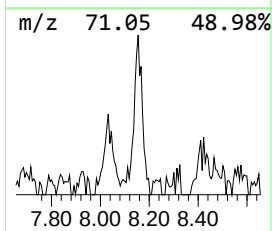
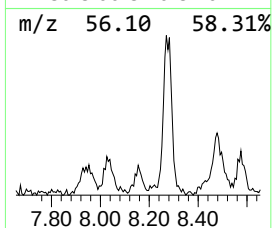
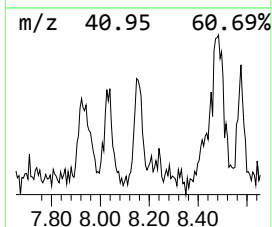
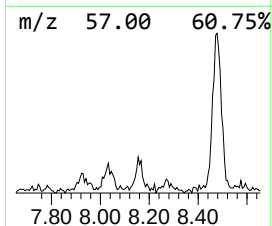
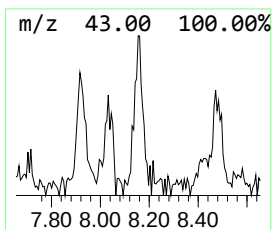
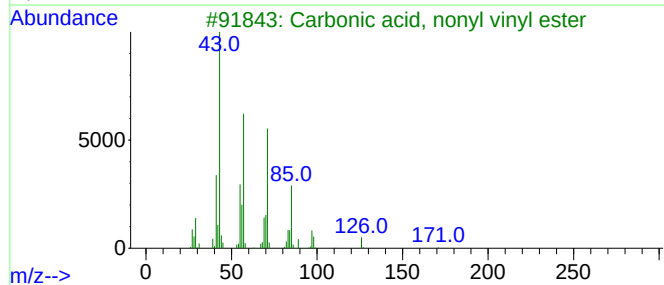
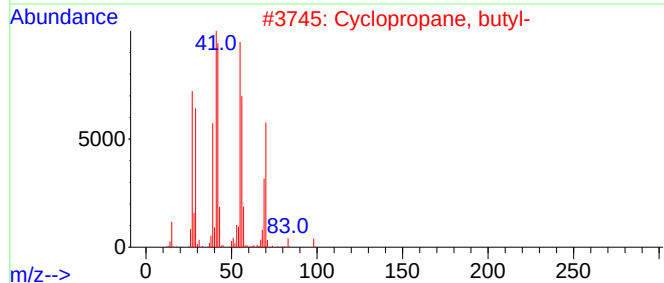
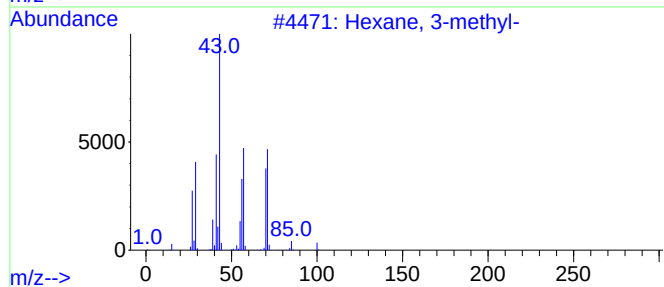
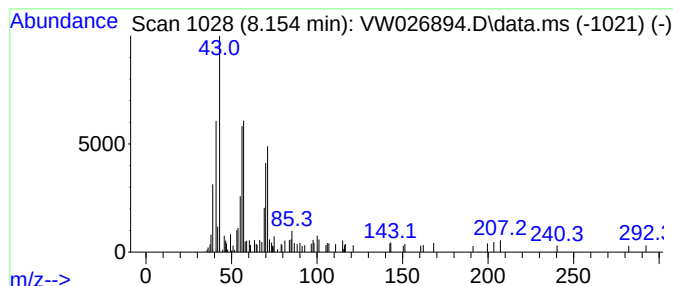
Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.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 33

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.154	3.32 ug/L	22490	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	59
2	Cyclopropane, butyl-	98	C7H14	000930-57-4	38
3	Carbonic acid, nonyl vinyl ester	214	C12H22O3	1000383-25-6	35
4	1-Propanethiol, 2-methyl-	90	C4H10S	000513-44-0	25
5	1-Propanethiol, 2-methyl-	90	C4H10S	000513-44-0	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

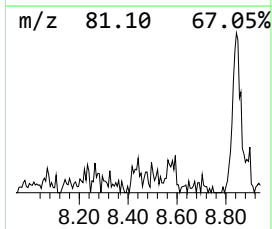
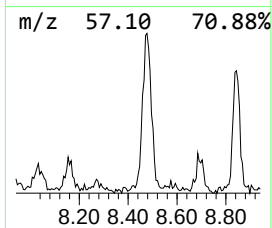
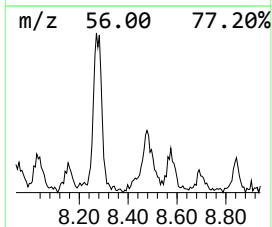
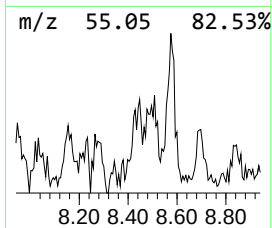
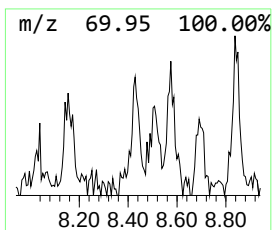
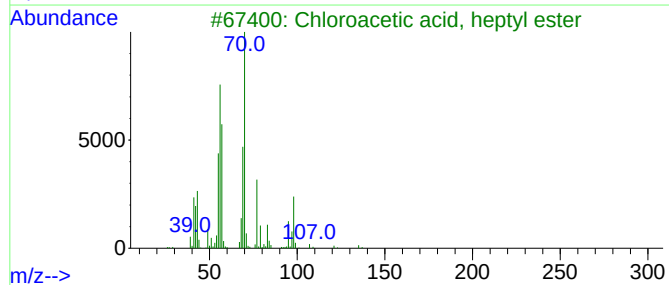
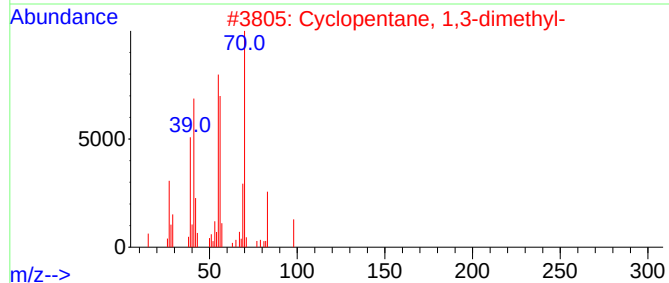
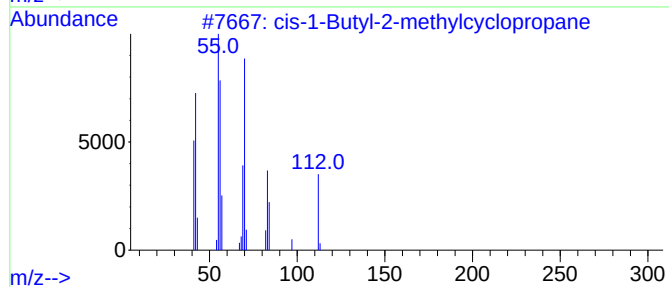
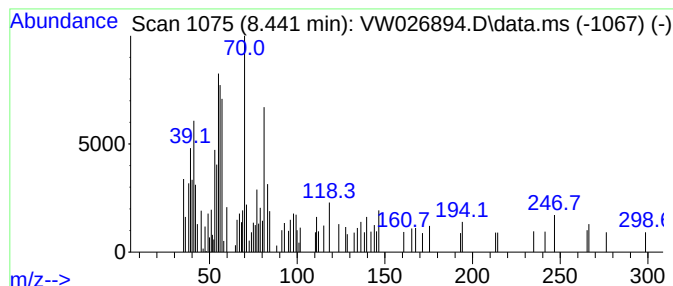
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Cyclic8.441 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.441	1.80 ug/L	12180	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	27
2			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	18
3			Chloroacetic acid, heptyl ester	192	C9H17ClO2	034589-22-5	14
4			Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	14
5			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

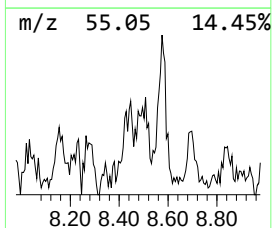
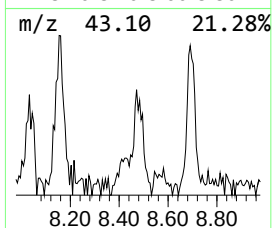
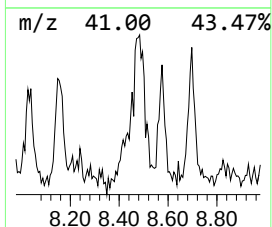
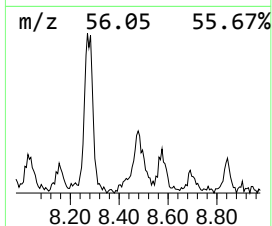
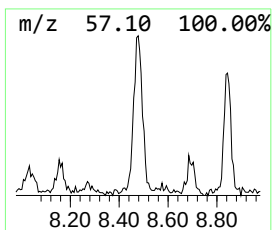
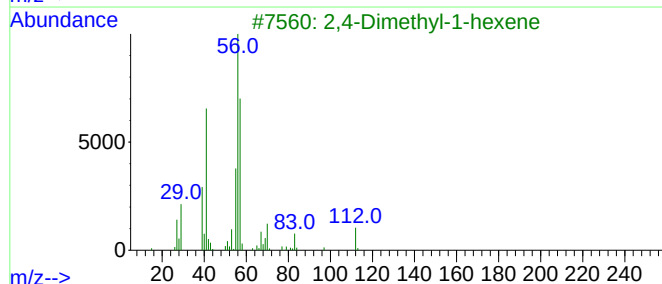
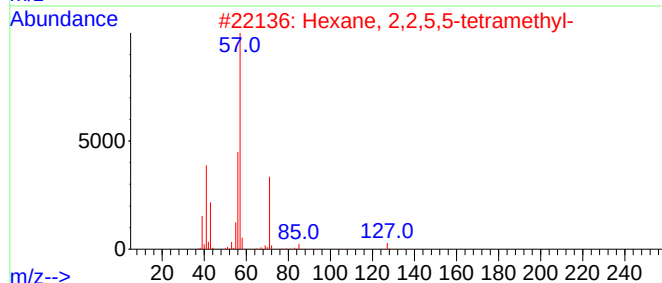
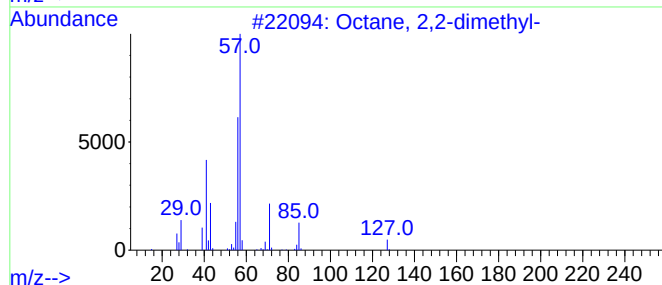
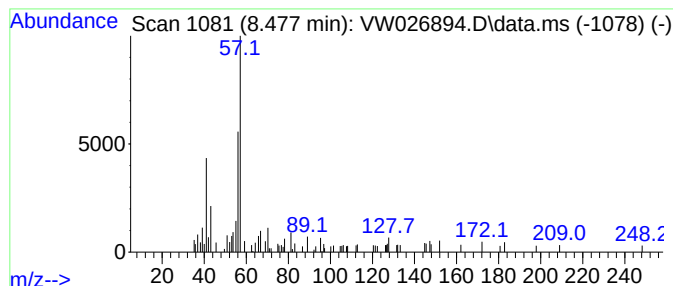
Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.477	4.81 ug/L	32567	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	47
2	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	40
3	2,4-Dimethyl-1-hexene	112	C8H16	016746-87-5	38
4	Propane, 1-(ethenyloxy)-2-methyl-	100	C6H12O	000109-53-5	38
5	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

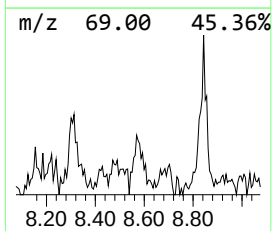
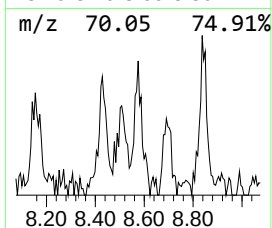
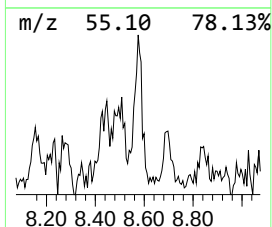
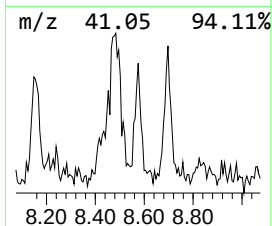
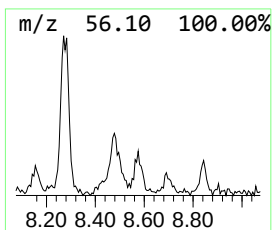
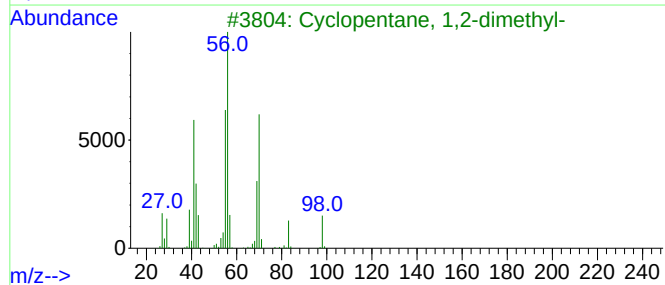
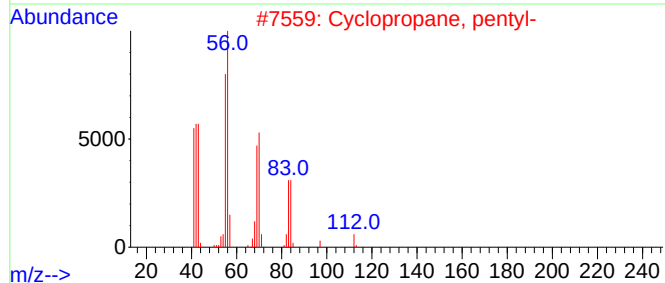
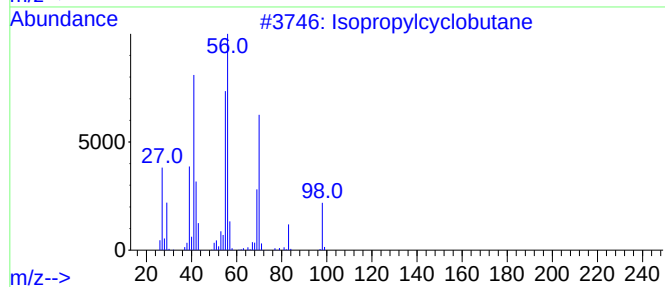
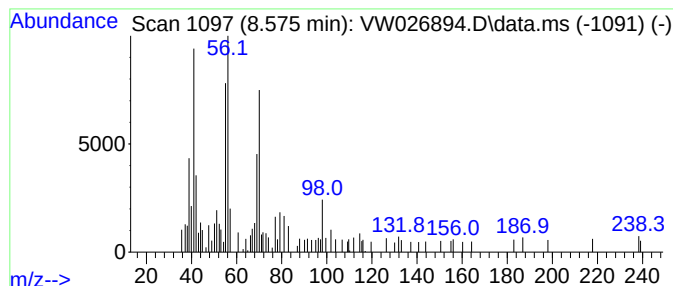
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Cyclic8.575 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.575	3.15 ug/L	21317	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Isopropylcyclobutane	98	C7H14	000872-56-0	70
2			Cyclopropane, pentyl-	112	C8H16	002511-91-3	68
3			Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	62
4			1-Heptene	98	C7H14	000592-76-7	58
5			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

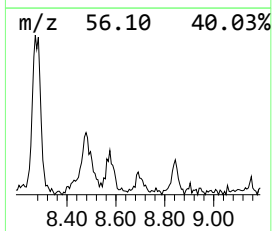
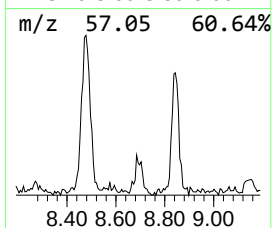
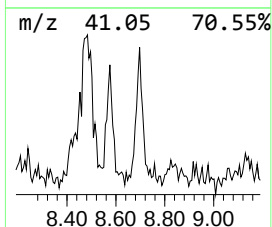
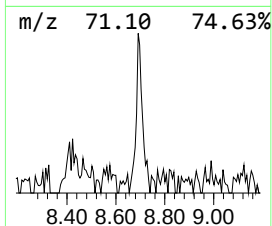
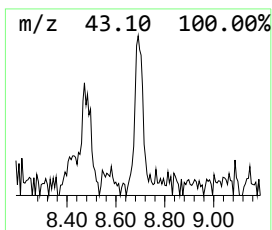
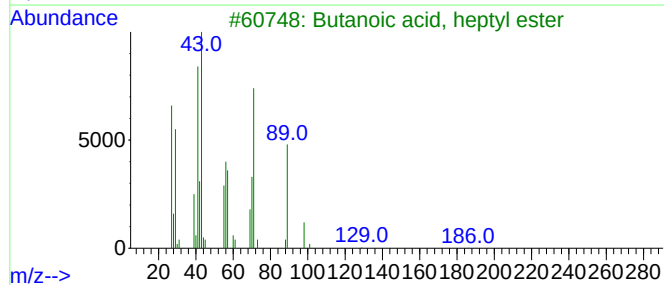
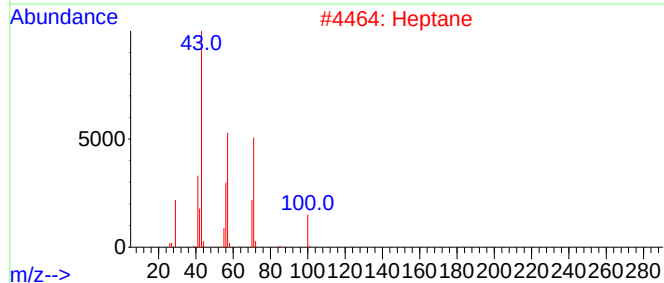
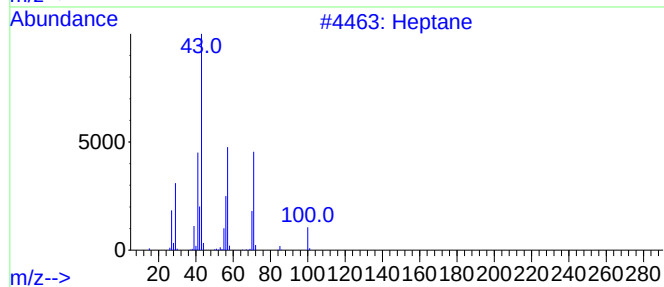
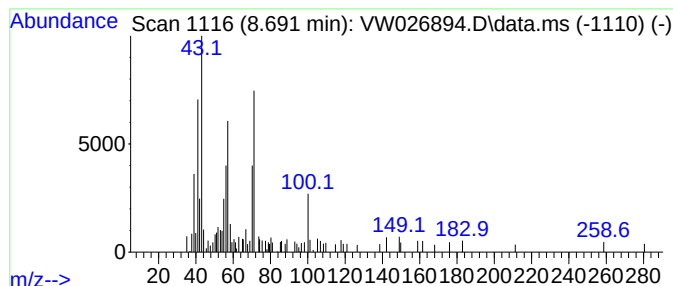
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.691	3.01 ug/L	20397	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane			100	C7H16	000142-82-5	78
2	Heptane			100	C7H16	000142-82-5	72
3	Butanoic acid, heptyl ester			186	C11H22O2	005870-93-9	72
4	Butanoic acid, octyl ester			200	C12H24O2	000110-39-4	64
5	Butanoic acid, heptyl ester			186	C11H22O2	005870-93-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

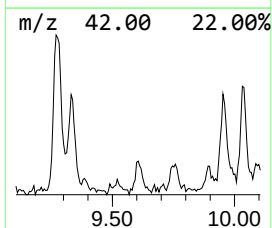
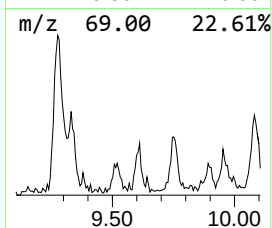
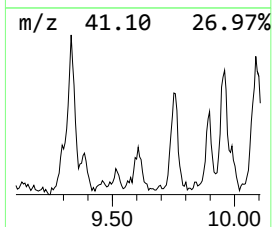
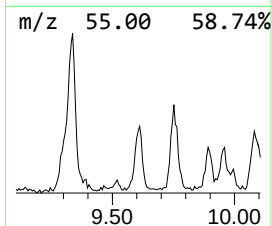
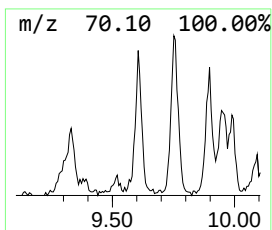
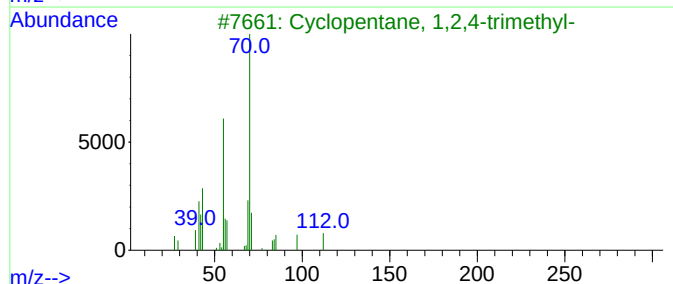
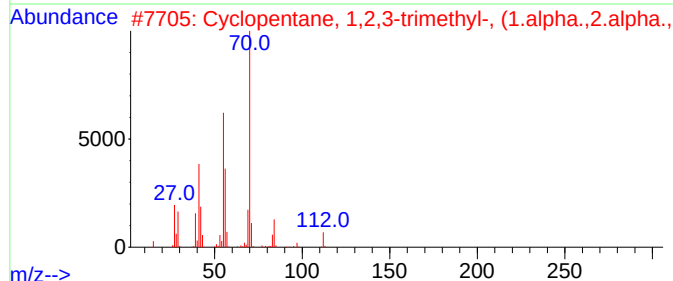
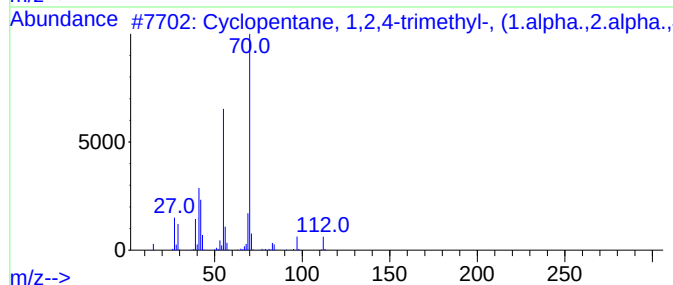
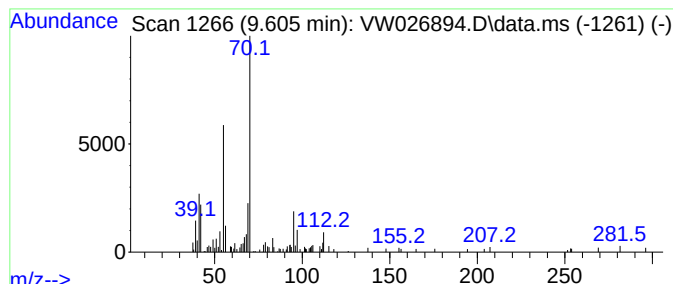
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic9.605 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.605	4.99 ug/L	33777	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	64
2			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	64
3			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	59
4			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	59
5			(3-Aminopropyl)dipropylborane	155	C9H22BN	060993-56-8	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

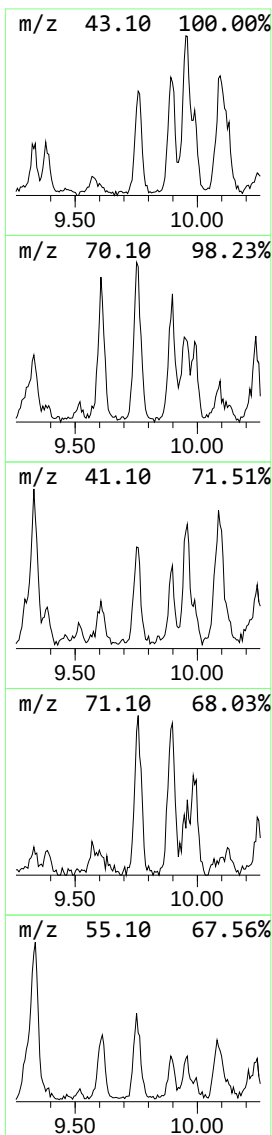
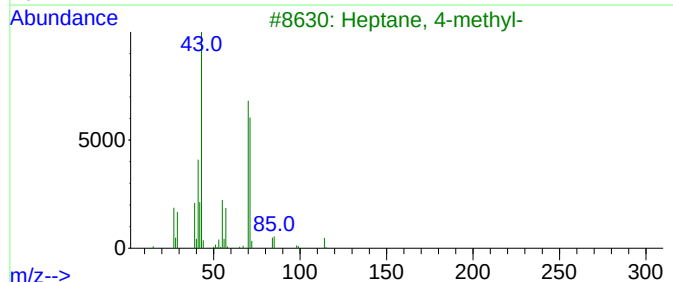
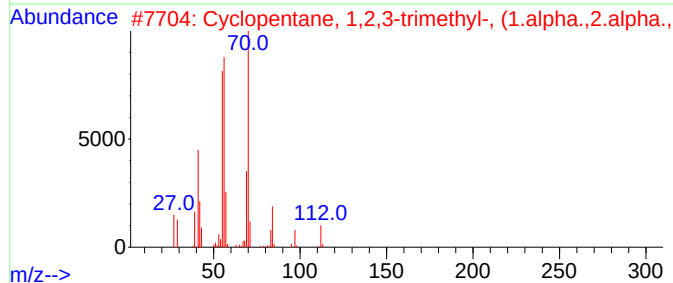
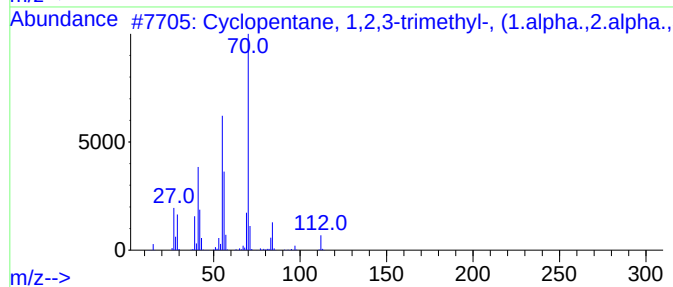
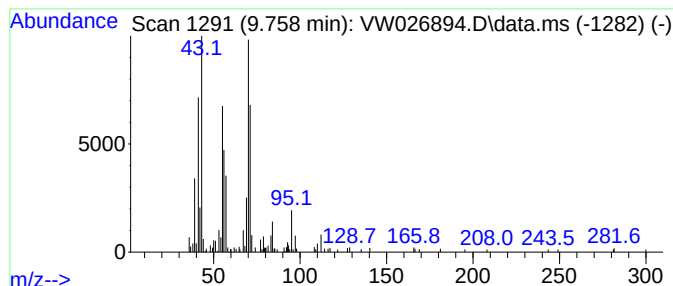
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Cyclic9.758 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.758	9.96 ug/L	67452	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	62
2			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	50
3			Heptane, 4-methyl-	114	C8H18	000589-53-7	50
4			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	46
5			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

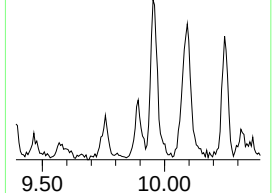
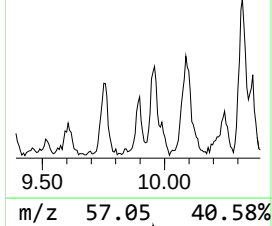
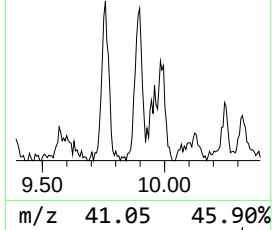
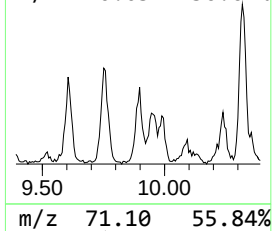
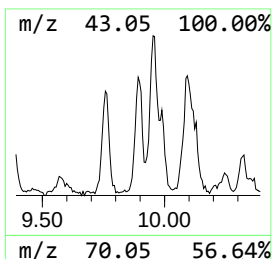
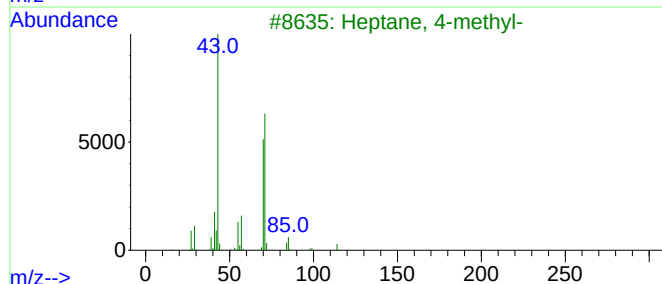
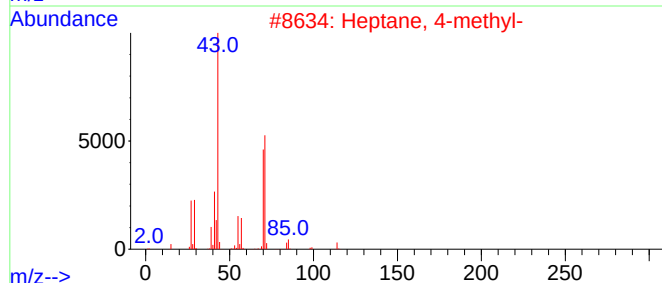
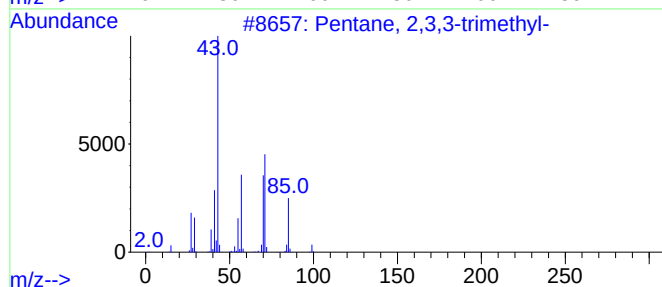
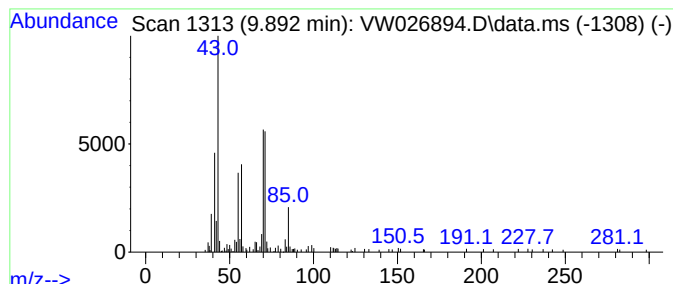
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.892	5.71 ug/L	38679	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64
2		Heptane, 4-methyl-	114	C8H18	000589-53-7	58
3		Heptane, 4-methyl-	114	C8H18	000589-53-7	53
4		Hexane, 3-methyl-	100	C7H16	000589-34-4	53
5		Pentane, 3-ethyl-	100	C7H16	000617-78-7	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

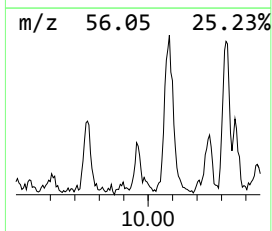
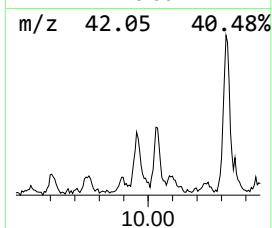
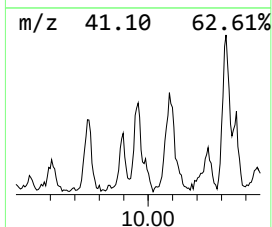
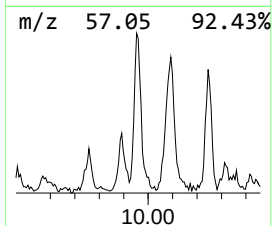
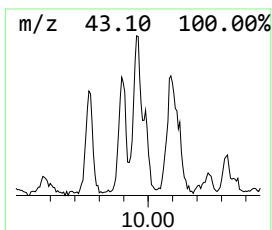
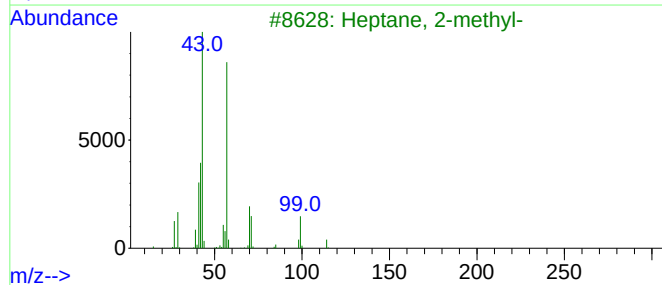
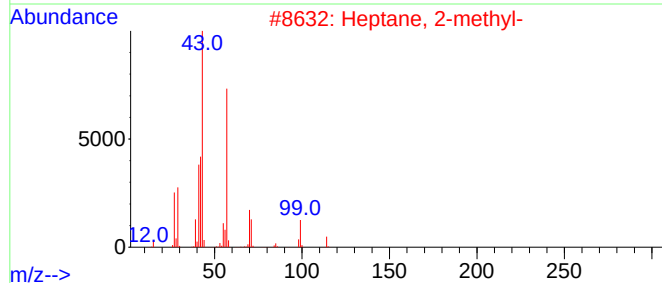
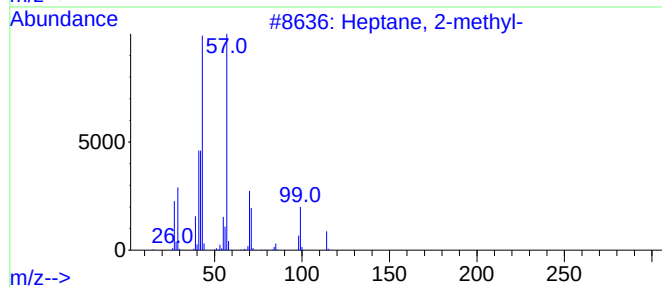
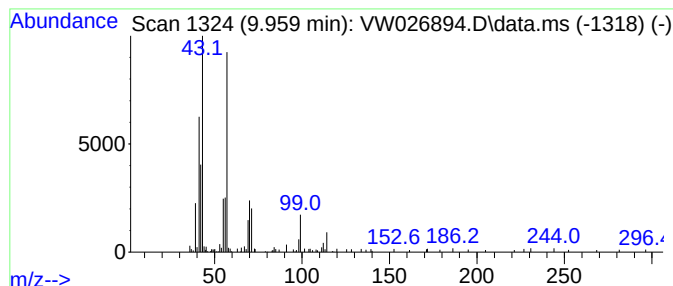
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.959	7.20 ug/L	48745	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2-methyl-	114	C8H18	000592-27-8	87
2			Heptane, 2-methyl-	114	C8H18	000592-27-8	64
3			Heptane, 2-methyl-	114	C8H18	000592-27-8	50
4			Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	46
5			Cyclopropane, butyl-	98	C7H14	000930-57-4	37



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

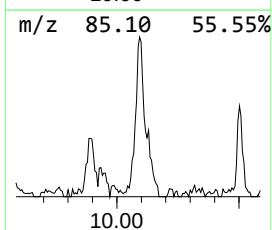
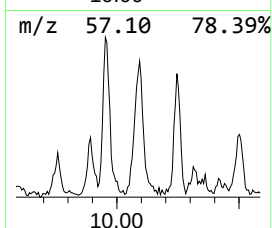
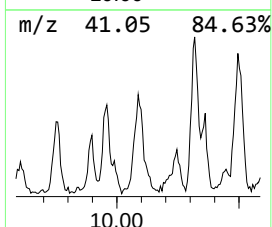
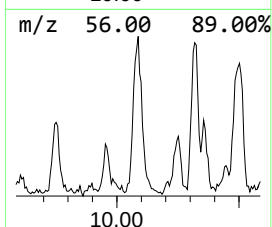
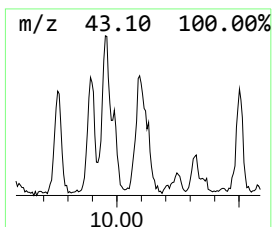
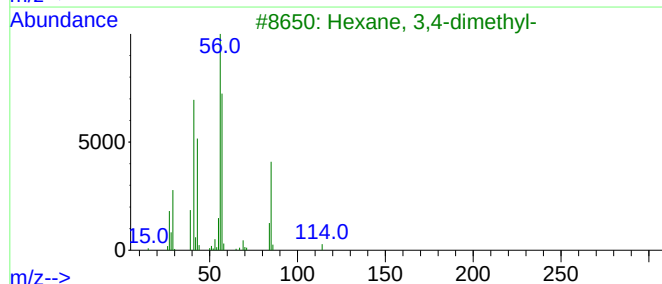
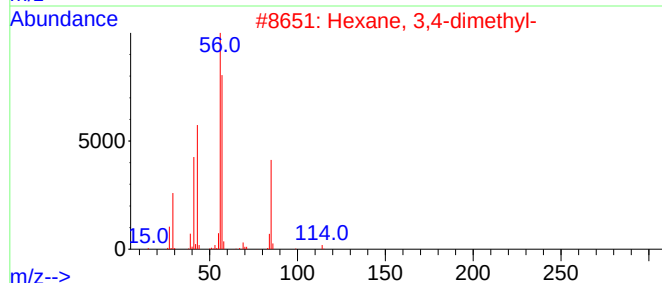
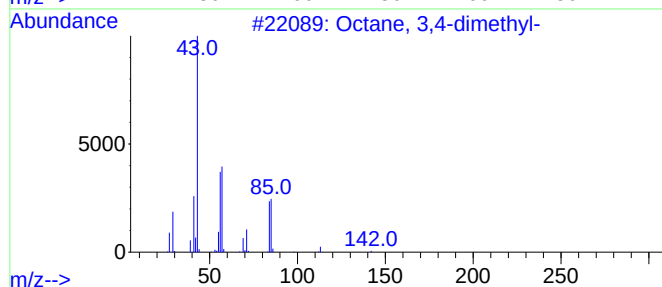
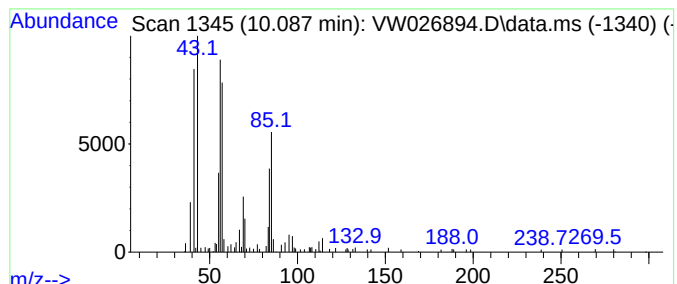
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.087	14.79 ug/L	100127	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,4-dimethyl-			142	C10H22	015869-92-8	78
2	Hexane, 3,4-dimethyl-			114	C8H18	000583-48-2	59
3	Hexane, 3,4-dimethyl-			114	C8H18	000583-48-2	59
4	Heptane, 3-methyl-			114	C8H18	000589-81-1	53
5	Furan, tetrahydro-2,4-dimethyl-,...			100	C6H12O	039168-01-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

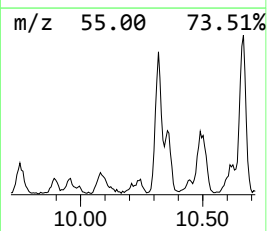
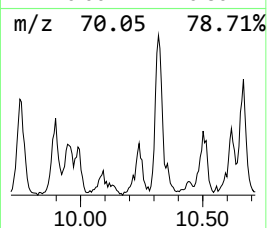
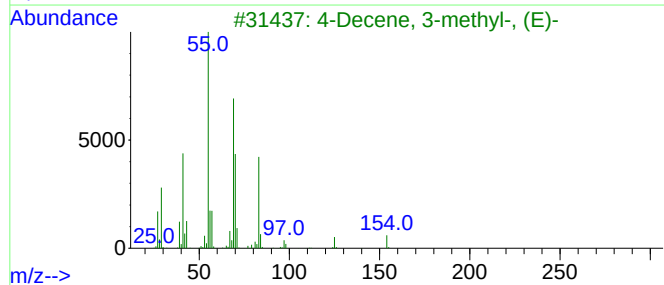
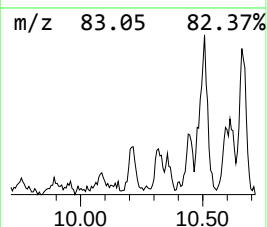
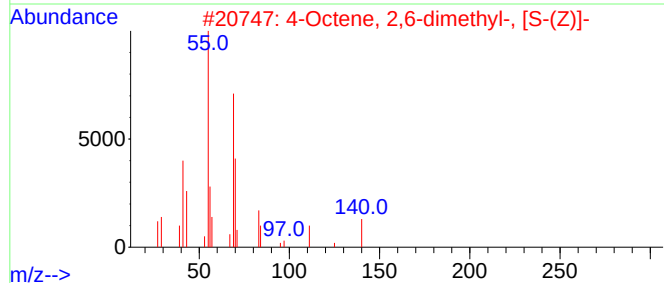
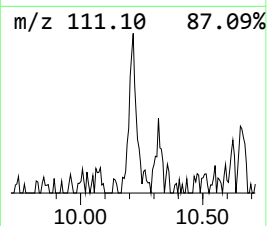
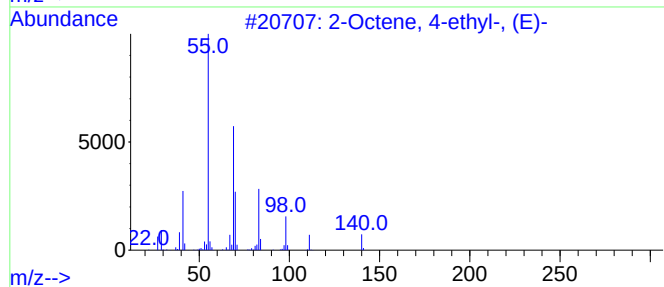
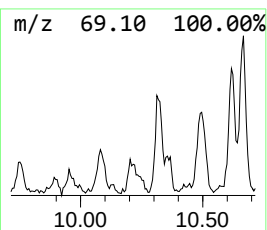
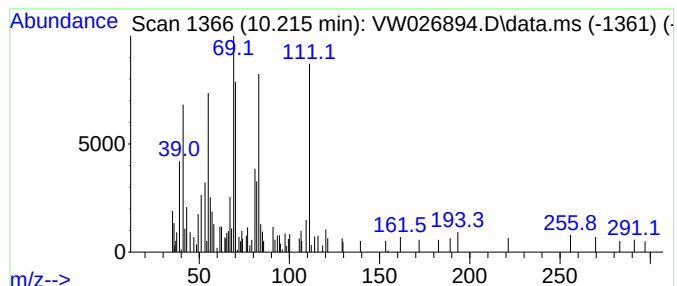
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.215	1.99 ug/L	13479	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 4-ethyl-, (E)-			140	C10H20	074630-09-4	35
2	4-Octene, 2,6-dimethyl-, [S-(Z)]-			140	C10H20	062960-77-4	35
3	4-Decene, 3-methyl-, (E)-			154	C11H22	062338-47-0	35
4	8-Azabicyclo[3.2.1]octan-3-one, ...			171	C8H13N03	000575-63-3	27
5	Cyclohexane, 1,4-dimethyl-2-(2-m...			168	C12H24	054411-17-5	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

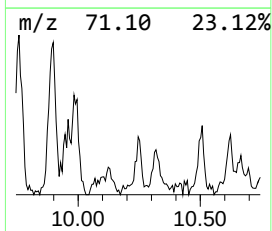
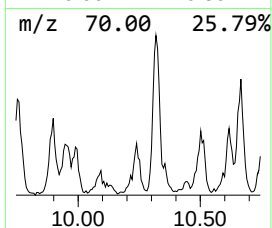
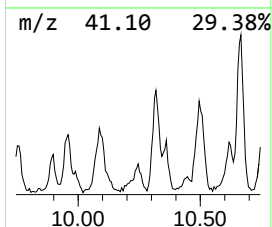
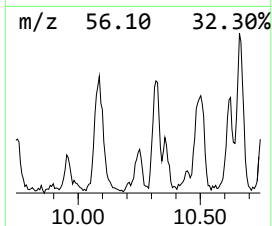
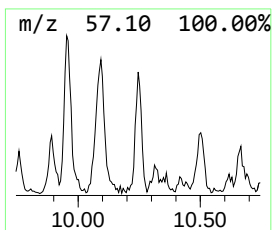
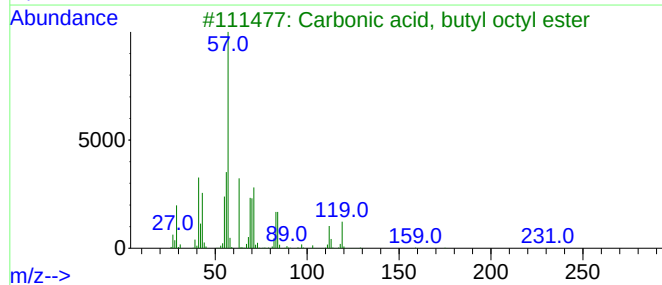
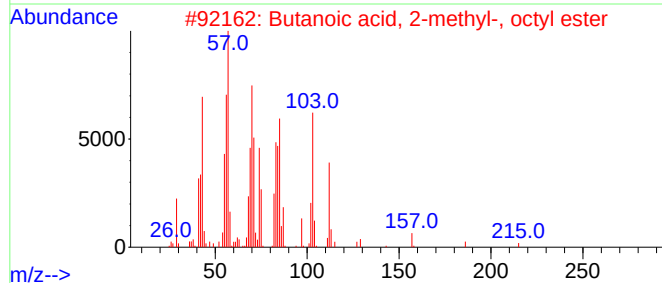
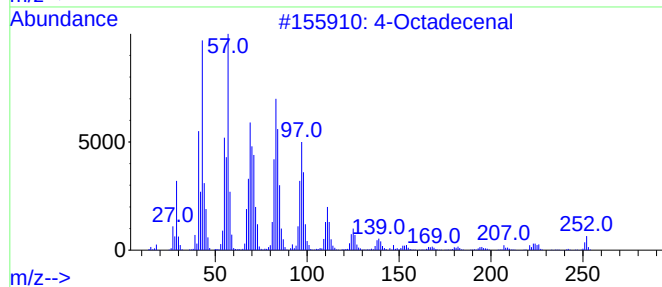
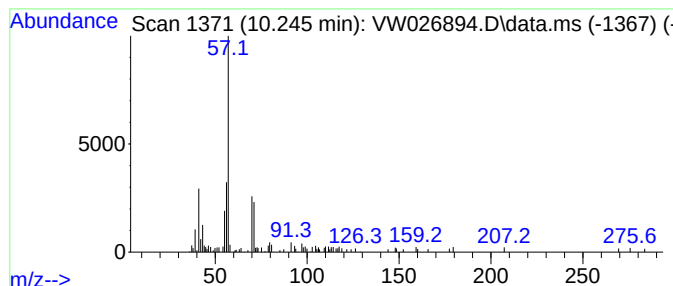
Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 15 4-Octadecenal Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.245	6.53 ug/L	28392	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octadecenal	266	C18H34O	056554-98-4	50
2	Butanoic acid, 2-methyl-, octyl ...	214	C13H26O2	029811-50-5	50
3	Carbonic acid, butyl octyl ester	230	C13H26O3	1010314-63-5	50
4	Carbonic acid, butyl octyl ester	230	C13H26O3	1010314-63-5	50
5	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

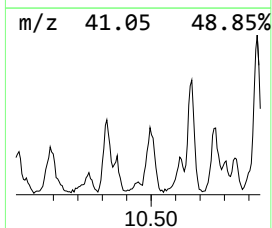
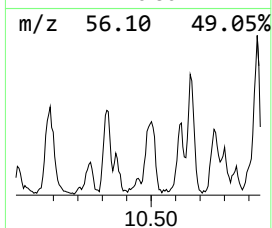
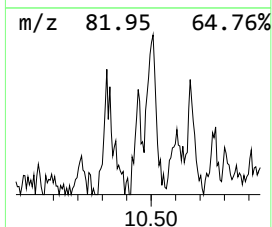
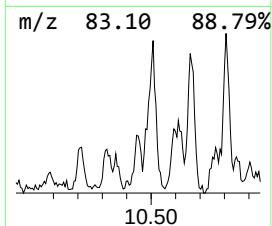
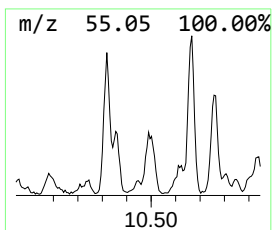
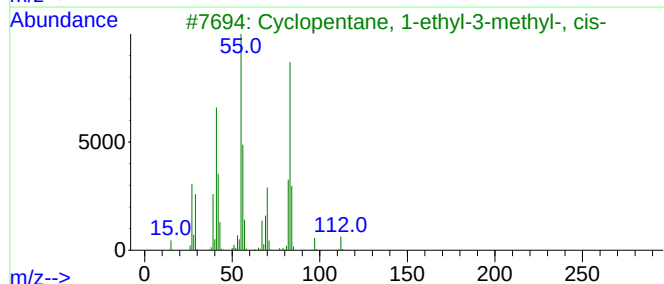
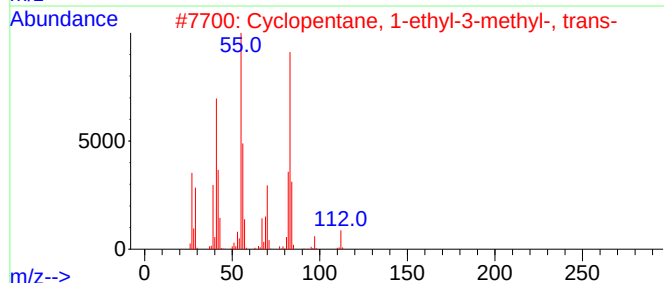
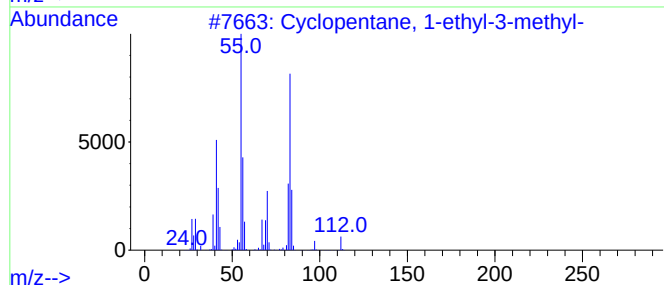
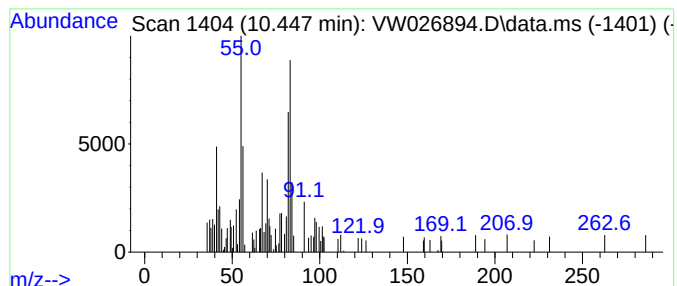
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Cyclic10.447 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.447	2.46 ug/L	10678	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	30
2			Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	30
3			Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	27
4			(S)-(+)-5-Methyl-1-heptanol	130	C8H18O	057803-73-3	22
5			Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	18



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

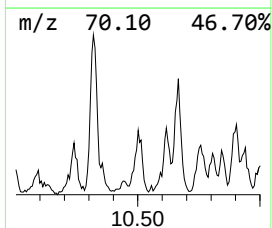
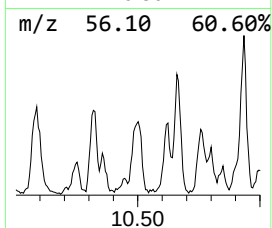
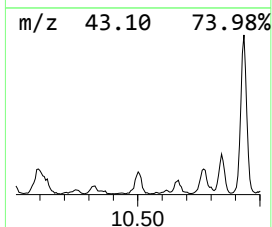
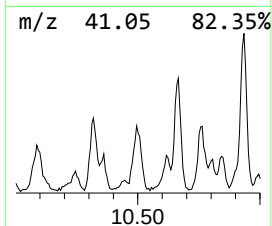
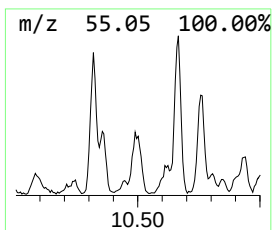
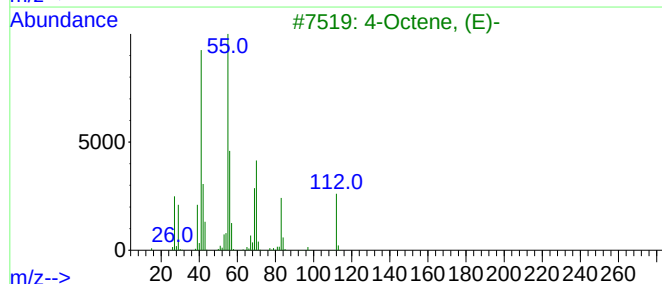
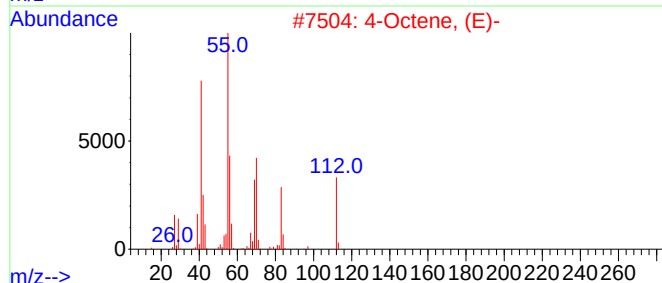
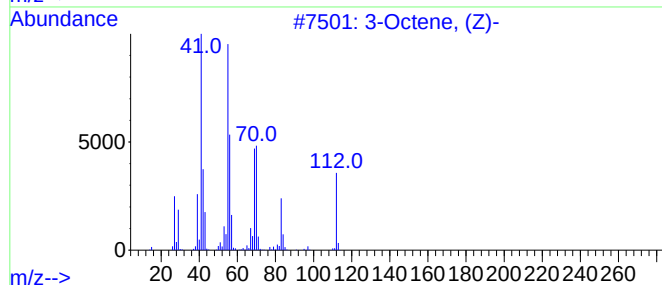
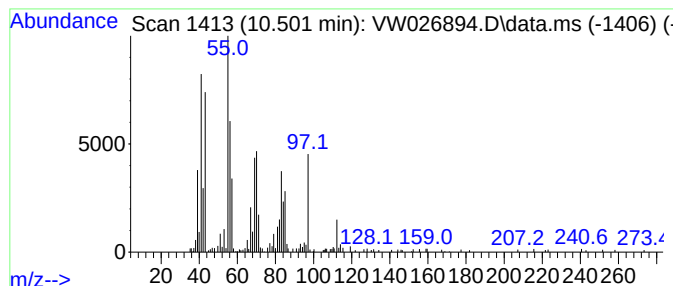
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.502	32.41 ug/L	140818	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octene, (Z)-			112	C8H16	014850-22-7	49
2	4-Octene, (E)-			112	C8H16	014850-23-8	49
3	4-Octene, (E)-			112	C8H16	014850-23-8	49
4	4-Octene, (Z)-			112	C8H16	007642-15-1	46
5	Cycloheptane, methyl-			112	C8H16	004126-78-7	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

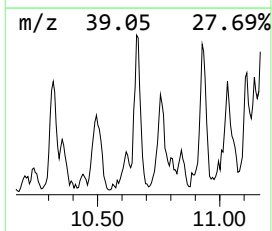
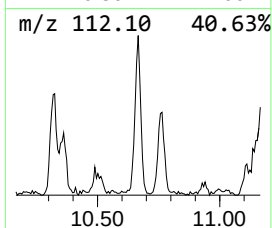
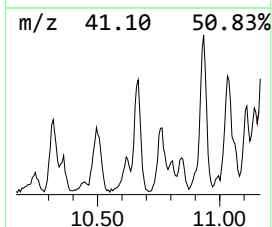
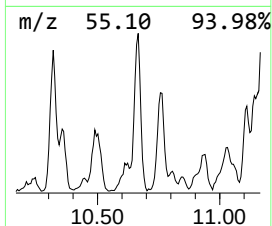
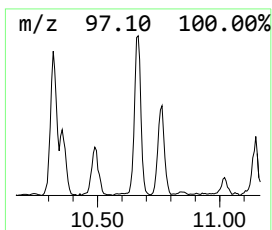
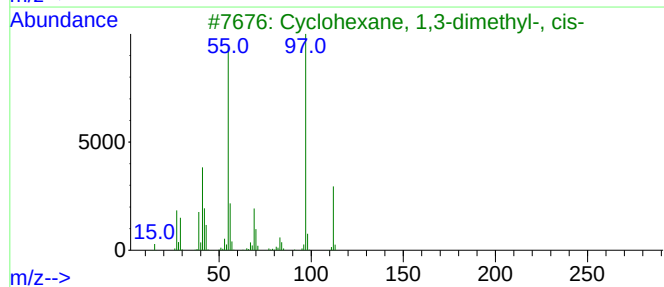
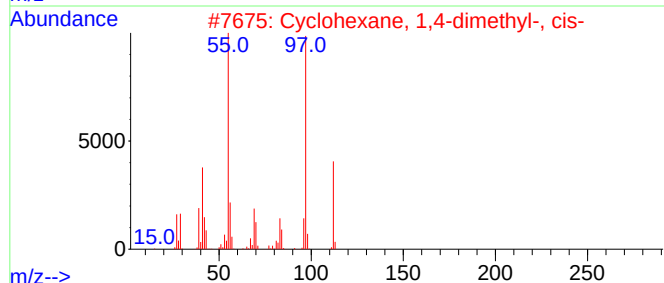
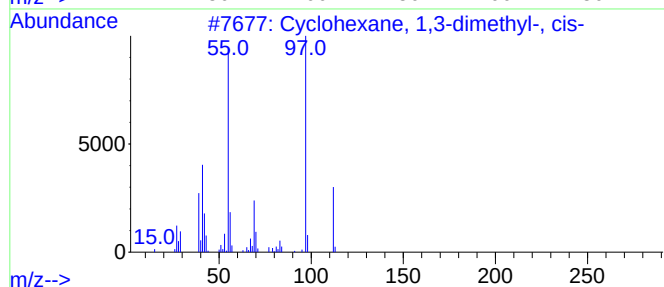
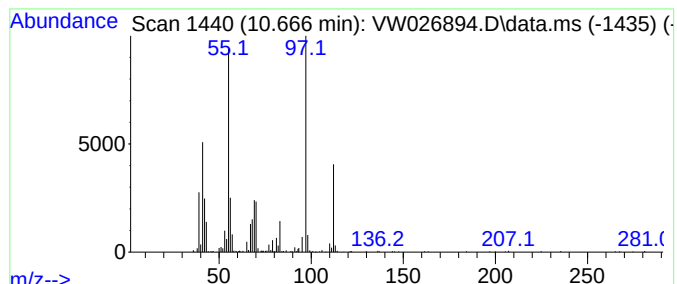
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Cyclic10.666 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.666	47.37 ug/L	205804	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90
2			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	87
3			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	87
4			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
5			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

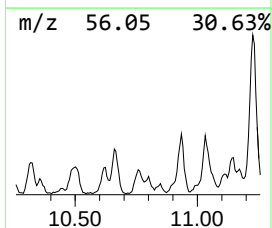
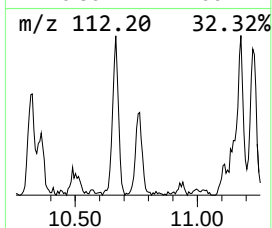
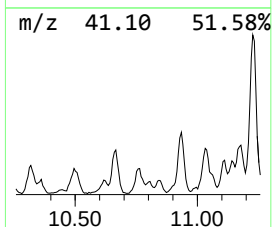
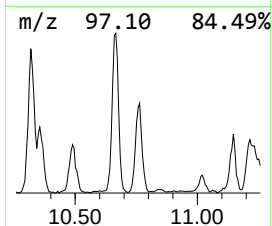
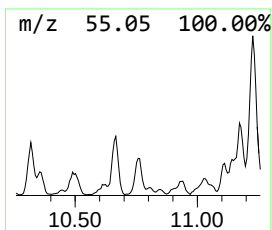
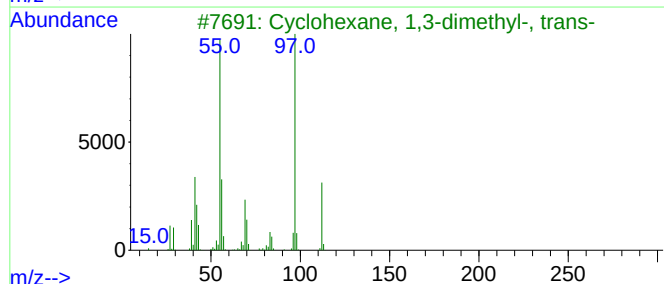
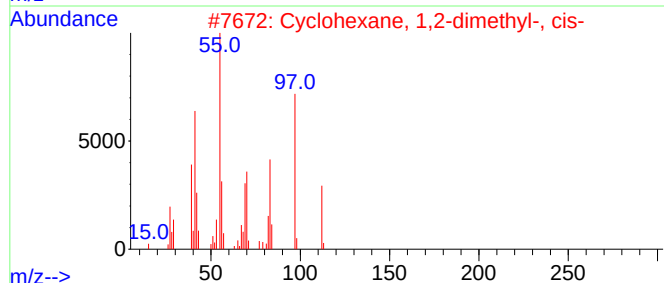
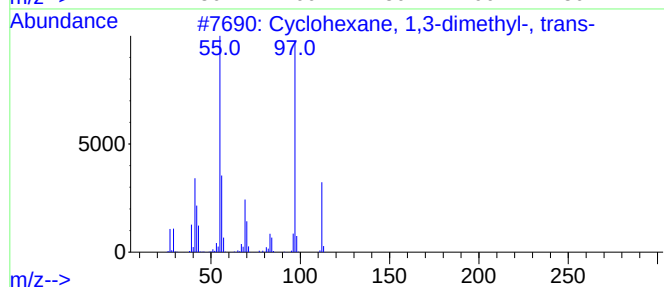
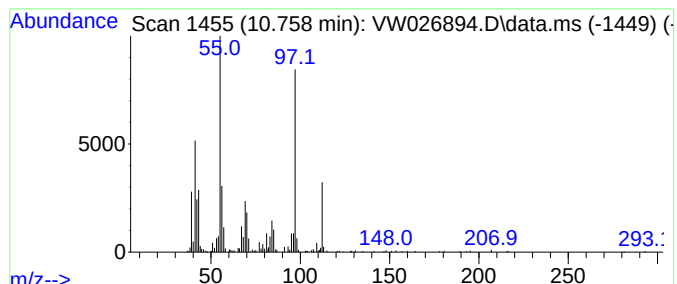
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Cyclic10.758 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.758	33.51 ug/L	145580	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
2		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	90
3		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
4		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90
5		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

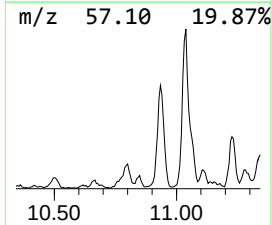
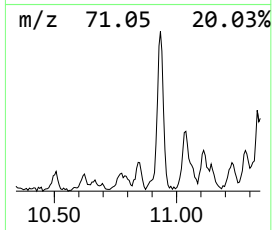
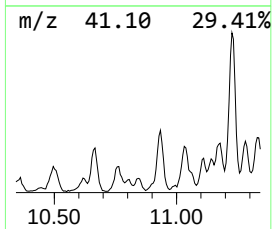
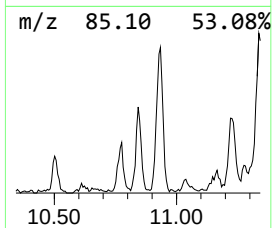
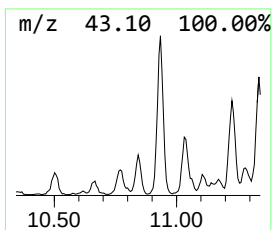
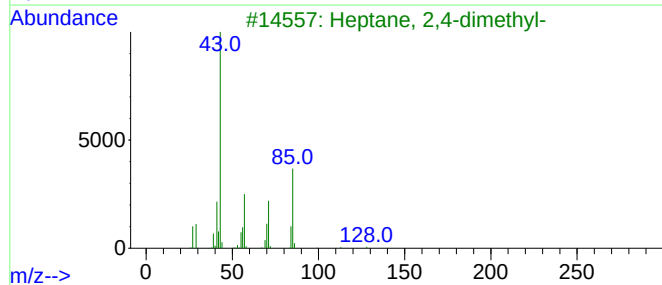
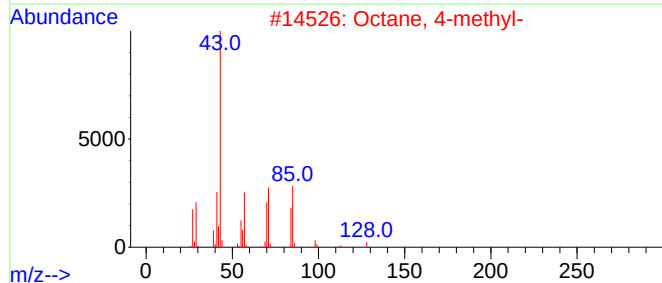
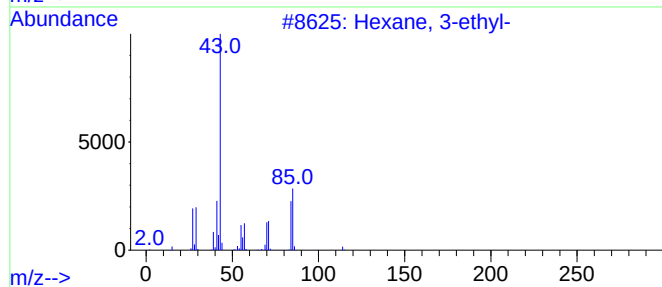
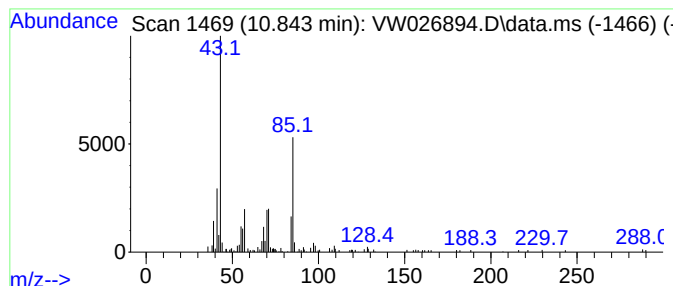
Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.843	11.95 ug/L	51928	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-		114	C8H18	000619-99-8	59
2	Octane, 4-methyl-		128	C9H20	002216-34-4	58
3	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	58
4	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	52
5	Octane, 4-methyl-		128	C9H20	002216-34-4	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

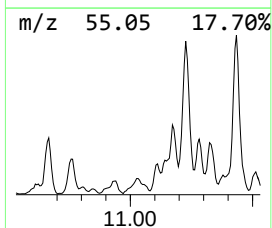
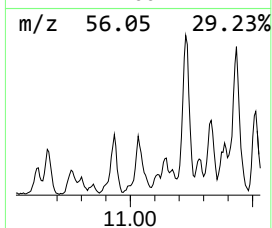
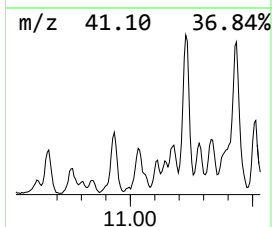
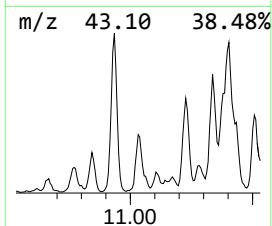
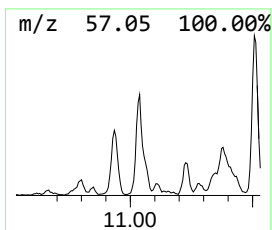
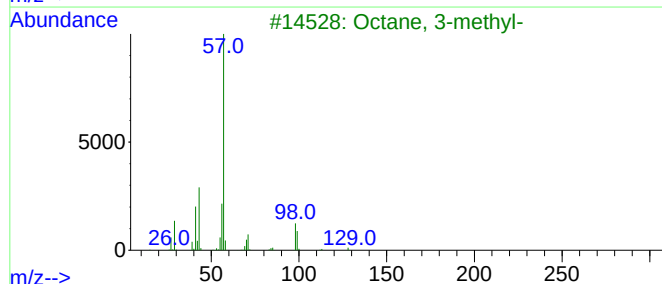
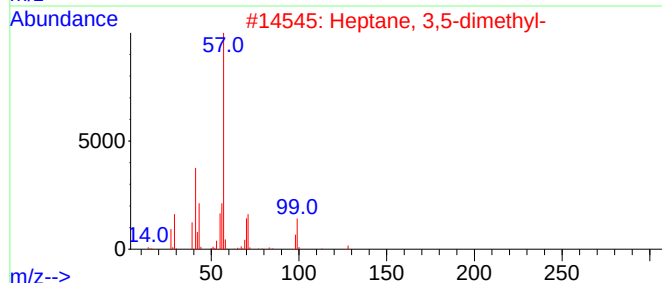
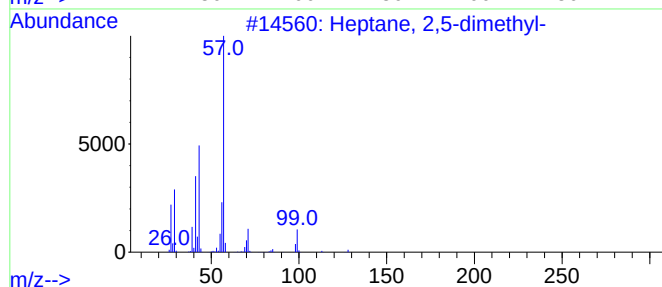
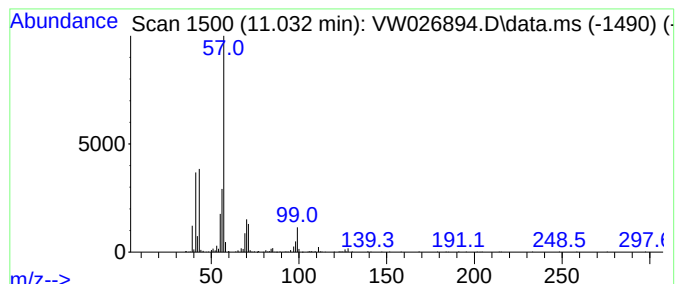
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.032	54.13 ug/L	235199	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
2		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	81
3		Octane, 3-methyl-	128	C9H20	002216-33-3	72
4		Octane, 3-methyl-	128	C9H20	002216-33-3	72
5		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

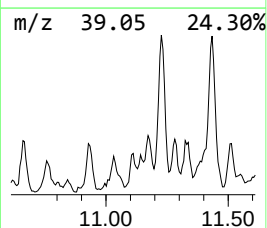
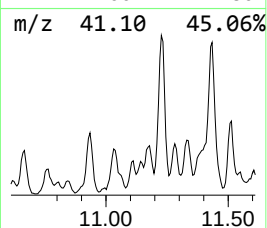
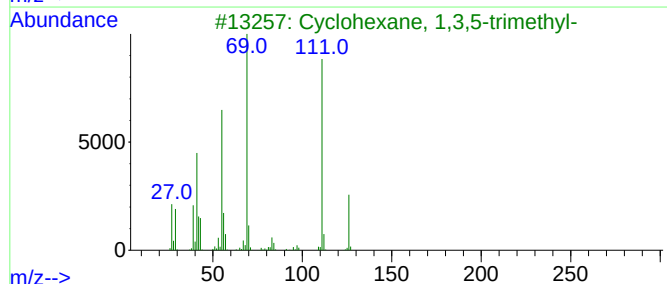
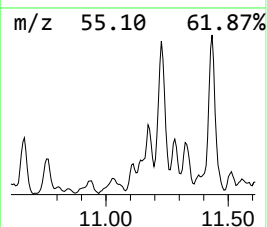
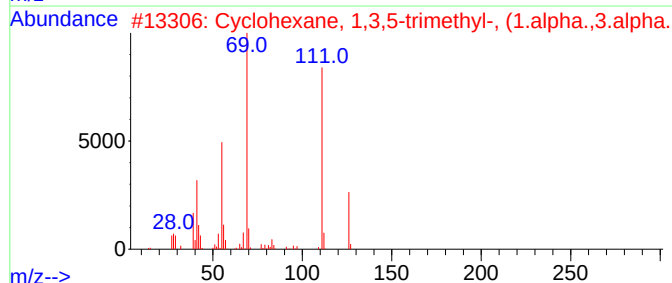
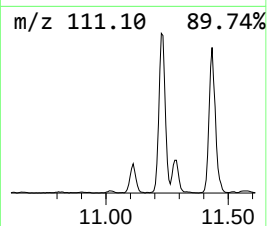
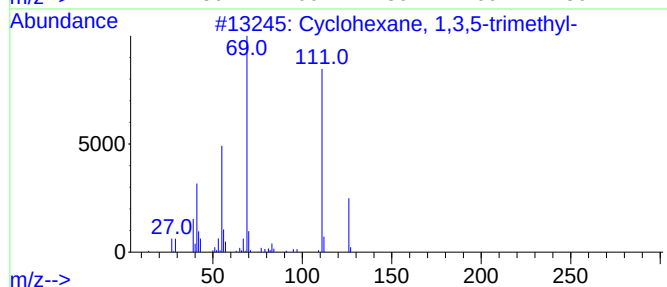
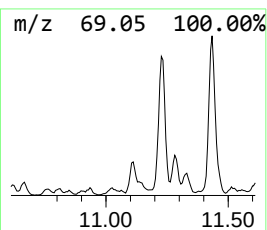
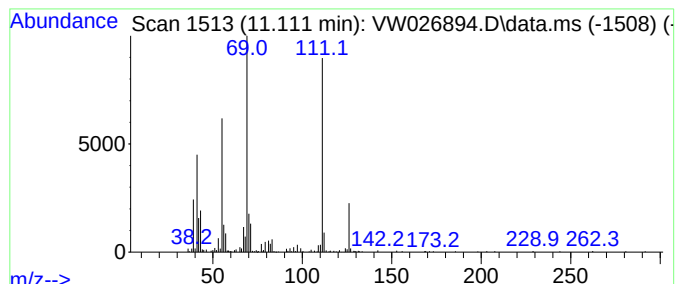
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Cyclic11.111 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.111	32.57 ug/L	141511	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	94
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	91
3			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
4			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	87
5			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

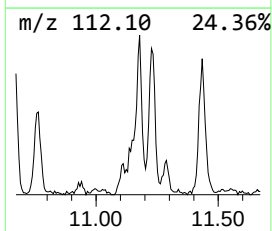
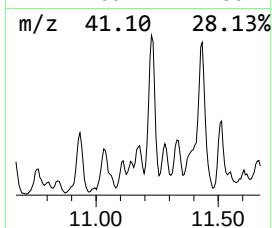
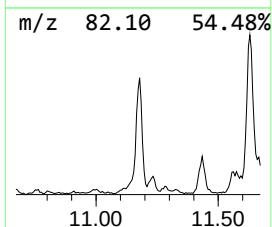
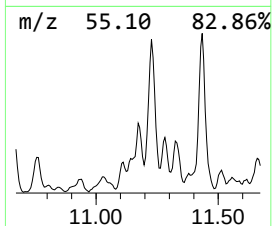
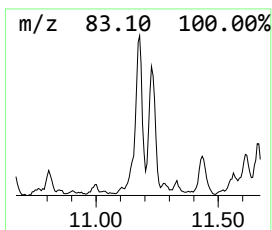
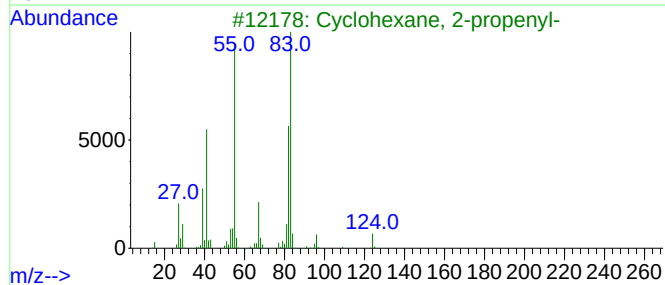
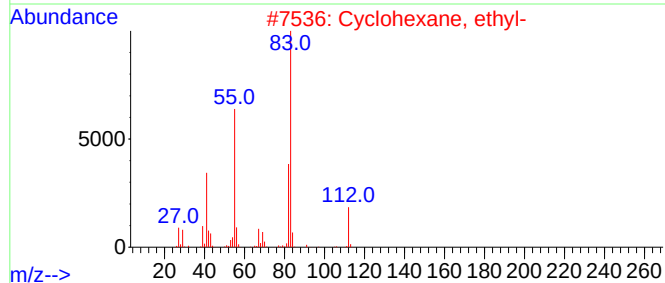
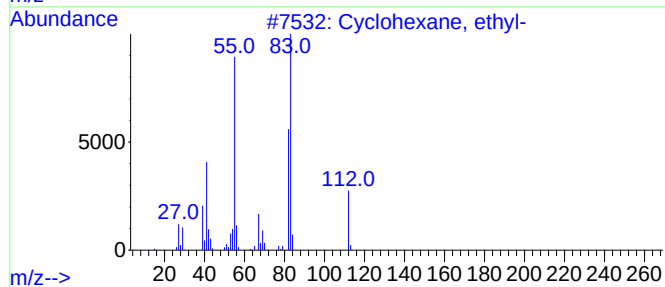
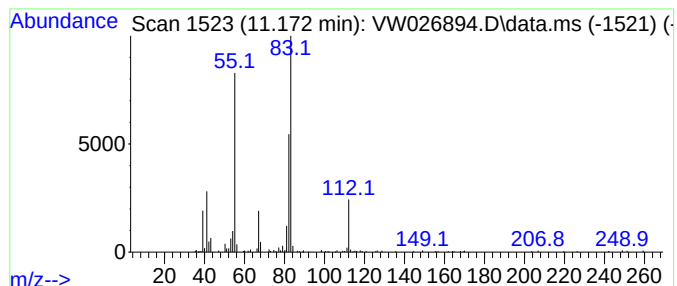
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Cyclic11.172 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.172	36.25 ug/L	157499	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
3		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	72
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	56
5		Cyclohexane, ethyl-	112	C8H16	001678-91-7	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

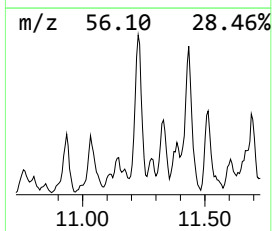
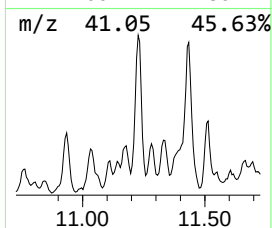
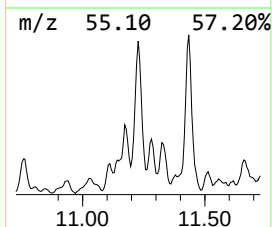
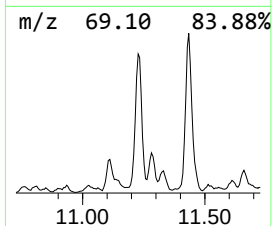
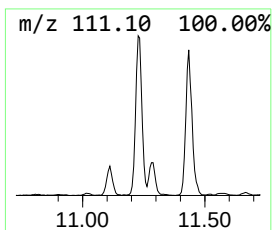
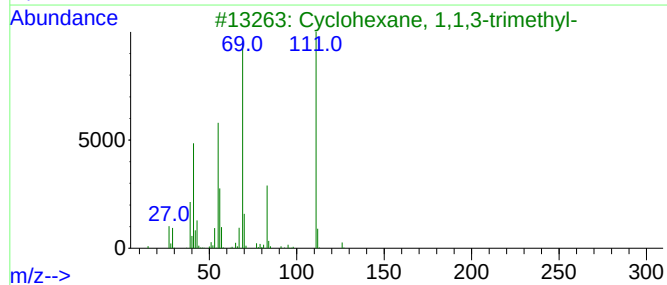
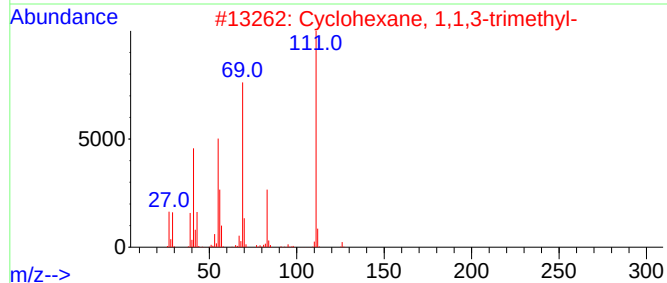
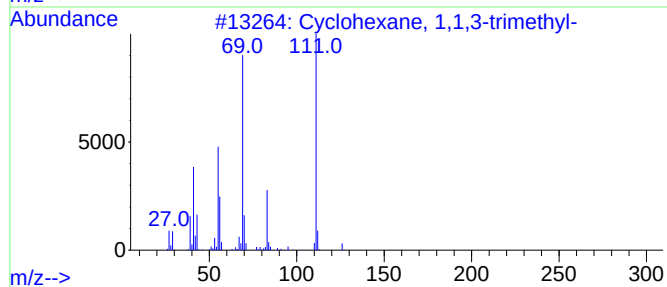
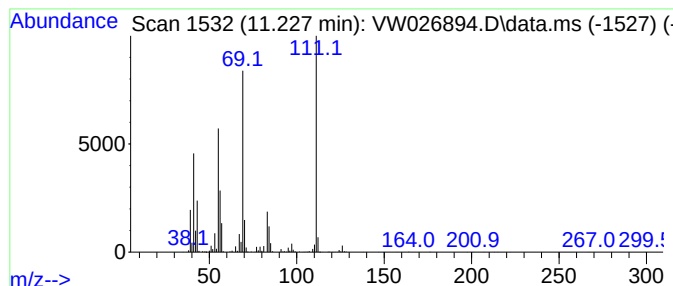
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 24 (DEL) Alkane: Cyclic11.227 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.227	175.73 ug/L	763520	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	83
4			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	81
5			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

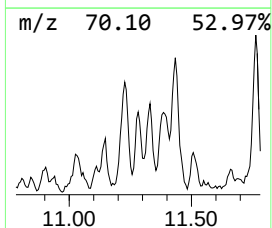
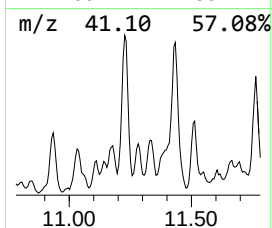
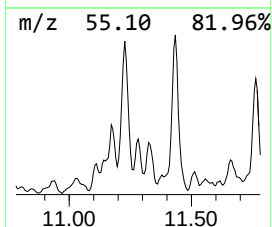
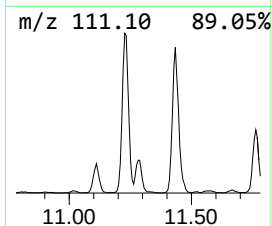
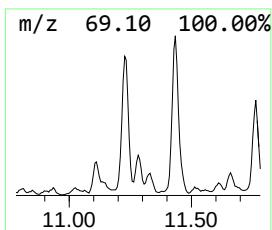
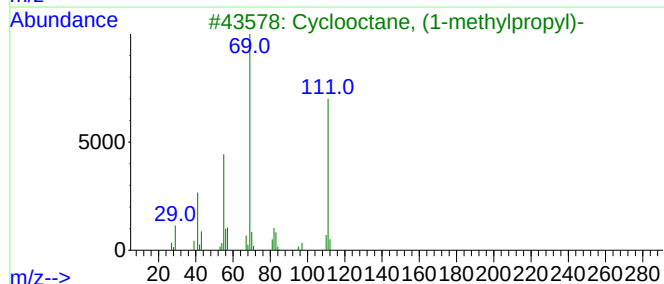
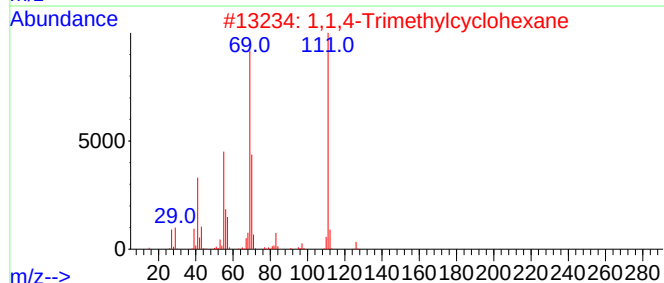
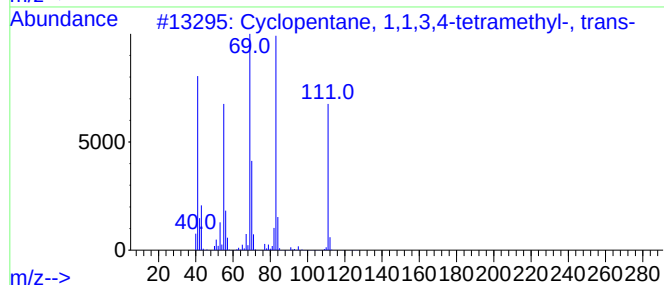
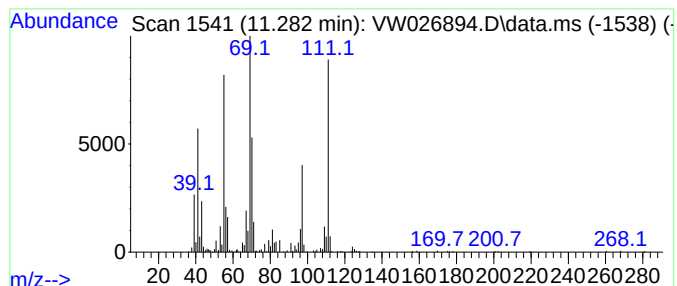
Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Cyclic11.282 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.282	39.80 ug/L	172928	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	59
2	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	53
3	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	50
4	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	47
5	Cyclohexane, 1,4-dimethyl-2-(2-m...	168	C12H24	054411-17-5	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

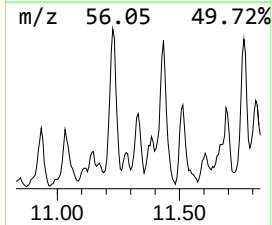
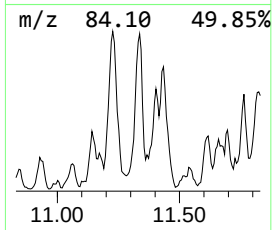
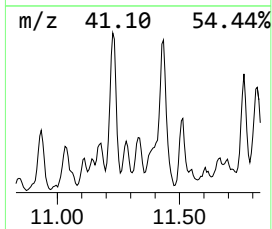
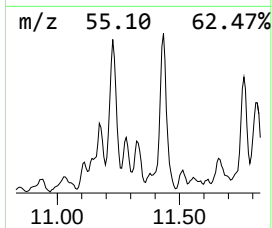
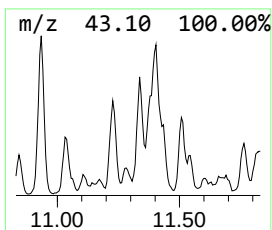
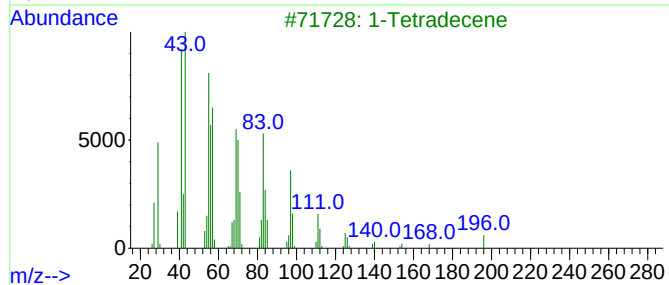
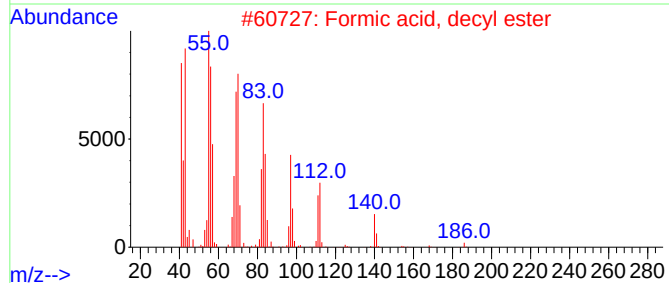
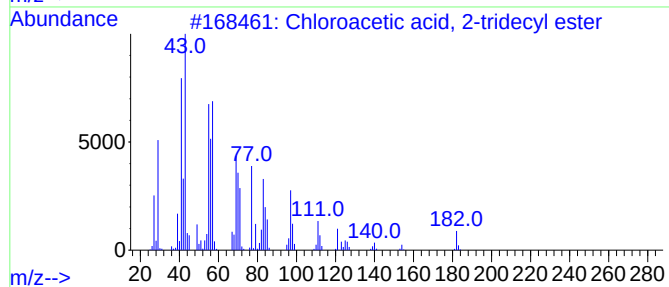
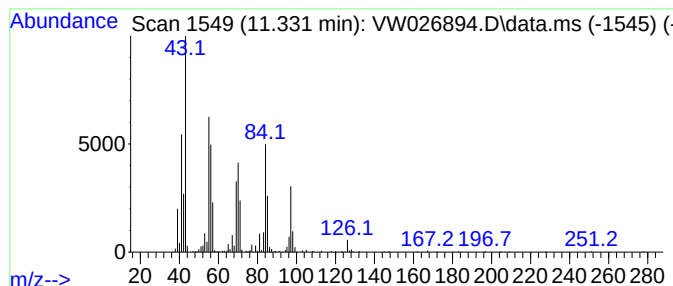
Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 26 Chloroacetic acid, 2-tridec... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.331	47.48 ug/L	206295	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Chloroacetic acid, 2-tridecyl ester		276	C15H29ClO2	1000280-08-1	64
2	Formic acid, decyl ester		186	C11H22O2	005451-52-5	59
3	1-Tetradecene		196	C14H28	001120-36-1	59
4	1-Tetradecene		196	C14H28	001120-36-1	59
5	1-Dodecene		168	C12H24	000112-41-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

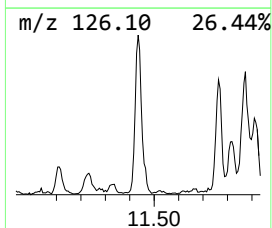
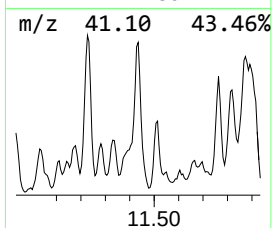
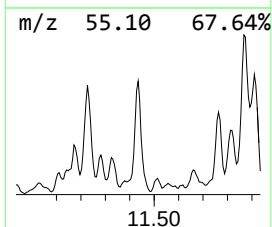
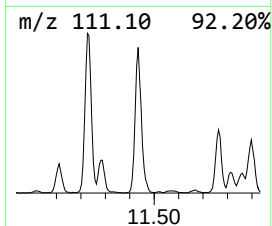
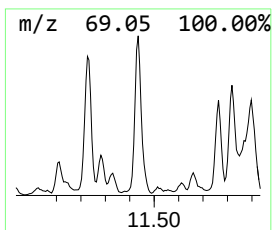
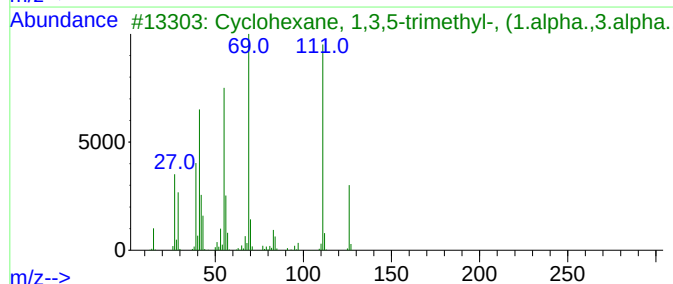
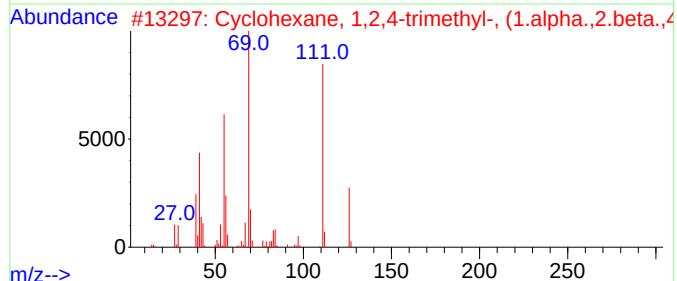
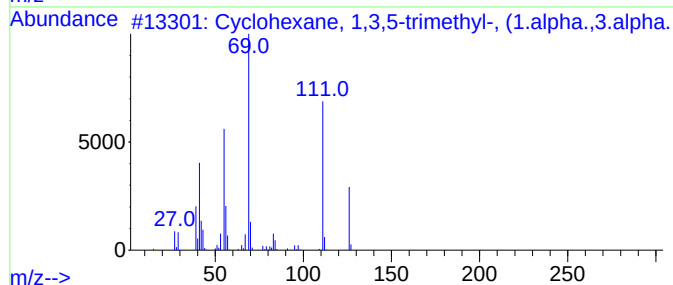
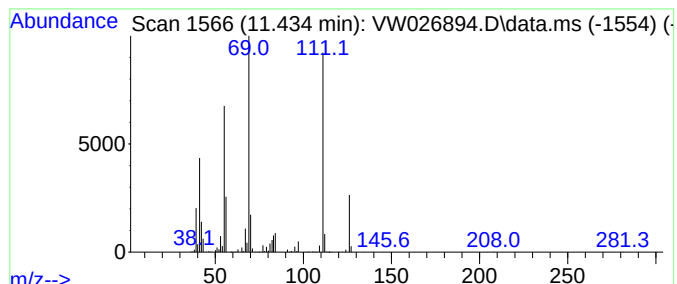
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 27 (DEL) Alkane: Cyclic11.434 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.434	236.41 ug/L	1027180	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	95
2			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	94
3			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	90
4			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	90
5			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

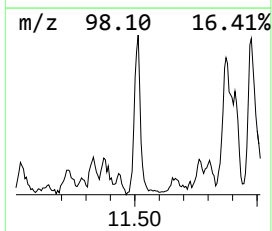
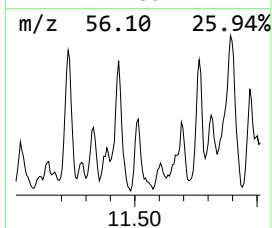
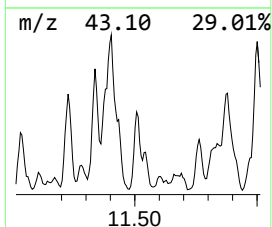
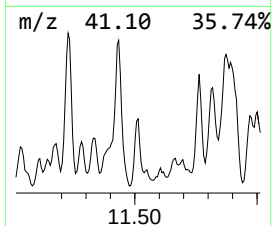
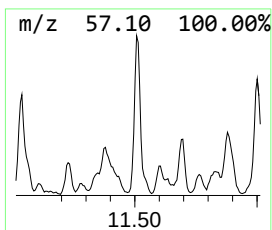
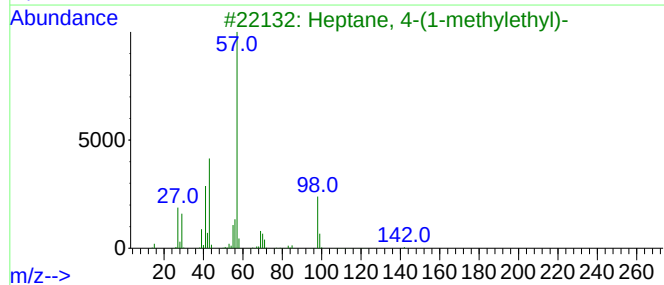
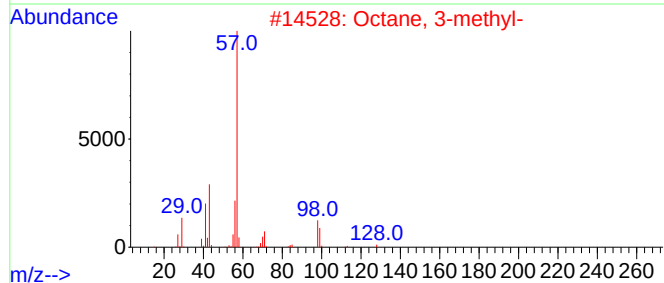
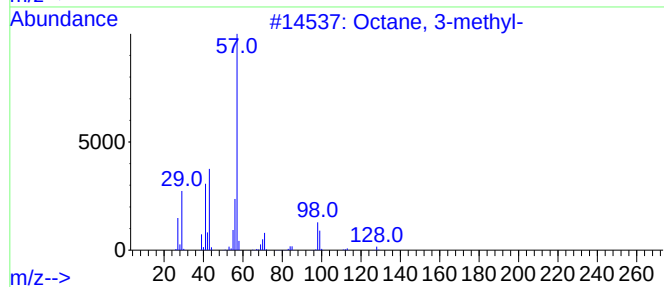
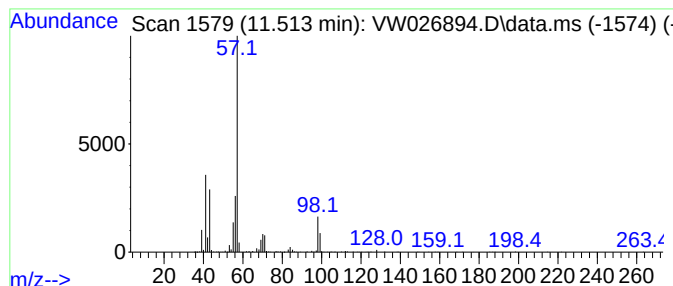
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.514	54.55 ug/L	237019	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3-methyl-	128	C9H20	002216-33-3	87
2		Octane, 3-methyl-	128	C9H20	002216-33-3	86
3		Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	59
4		Octane, 3-methyl-	128	C9H20	002216-33-3	59
5		Undecane, 6-methyl-	170	C12H26	017302-33-9	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

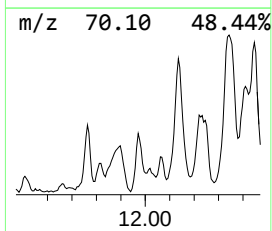
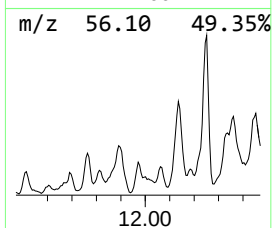
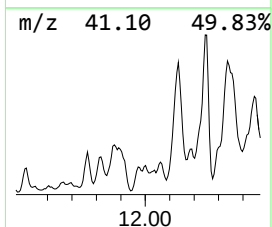
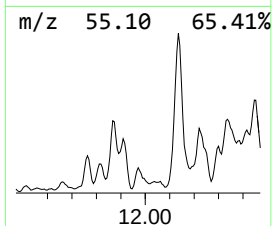
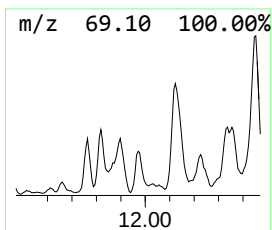
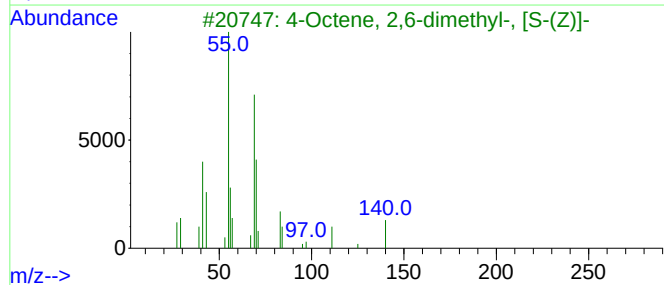
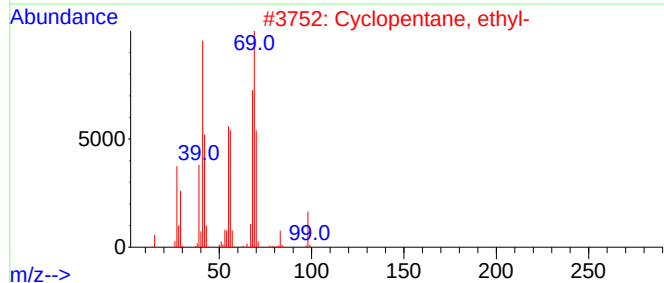
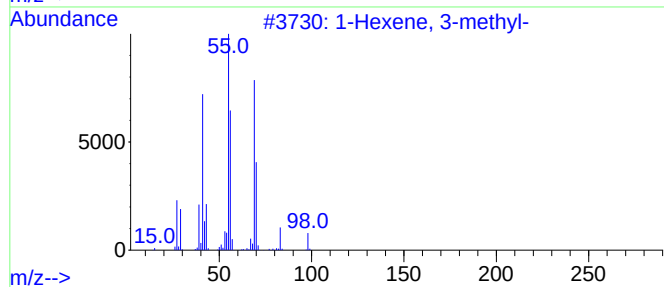
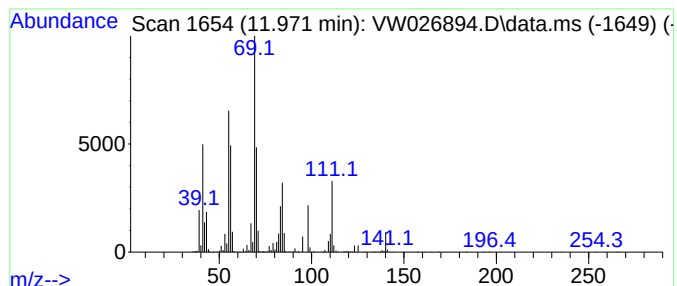
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.971	87.33 ug/L	379428	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	64
2		Cyclopentane, ethyl-	98	C7H14	001640-89-7	58
3		4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	58
4		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	49
5		3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

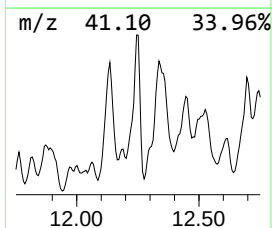
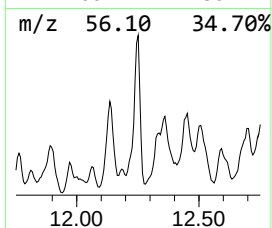
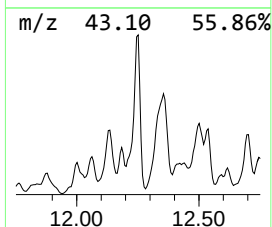
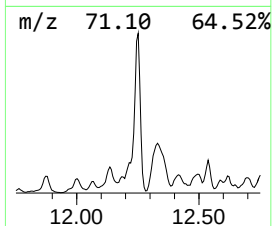
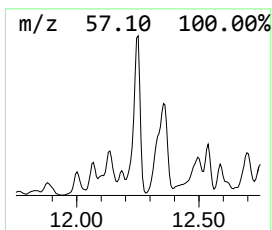
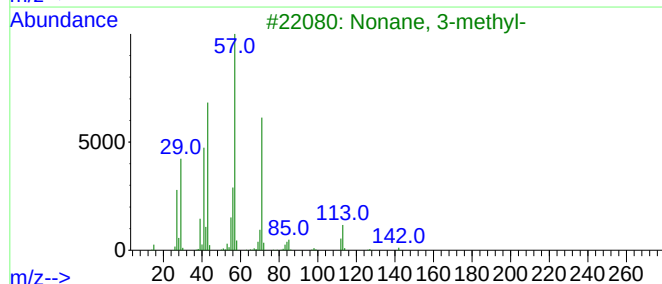
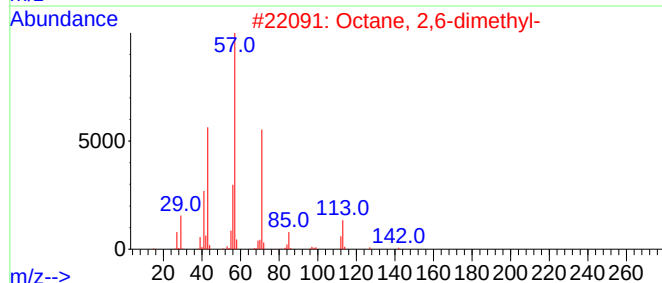
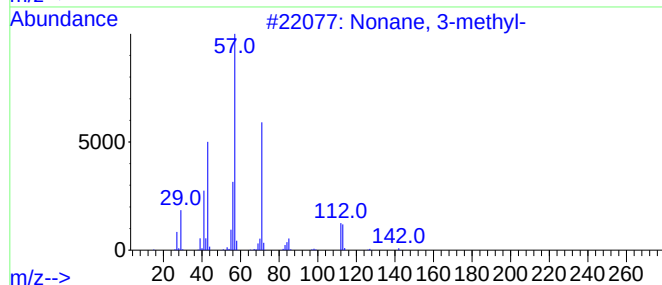
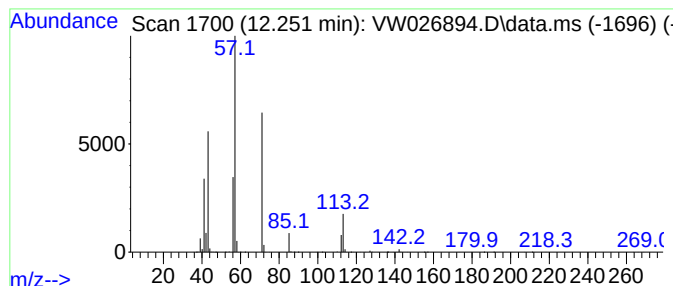
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.251	347.34 ug/L	1509140	Chlorobenzene-d5	11.629

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	91
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	90
4		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
5		Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

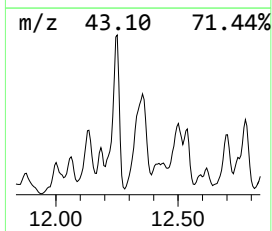
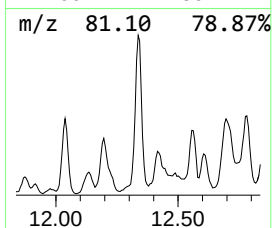
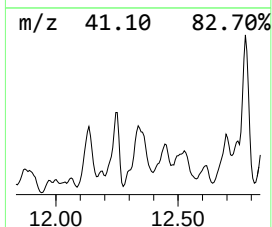
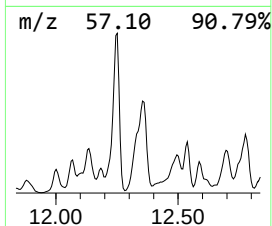
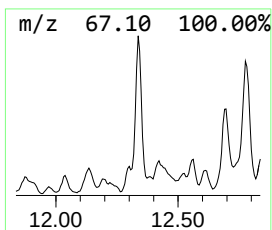
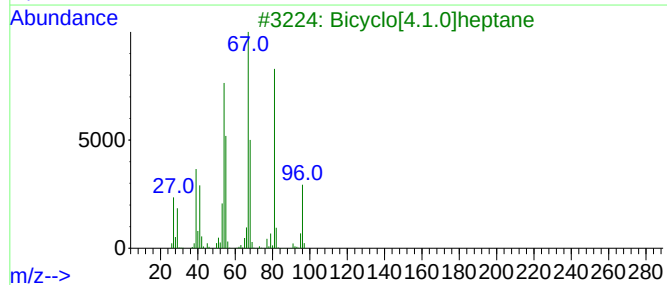
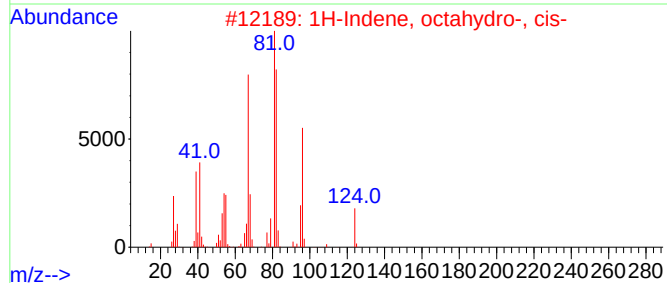
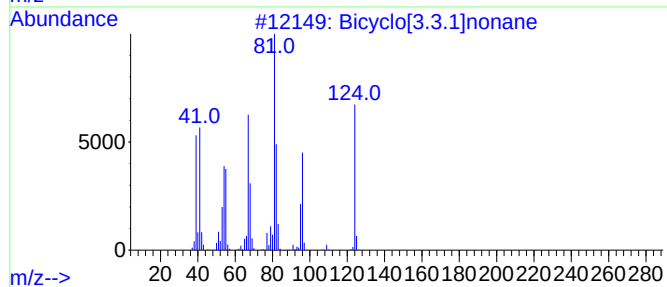
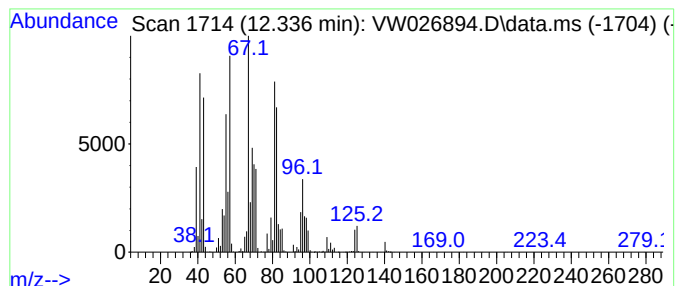
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 31 Bicyclo[3.3.1]nonane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.336	836.33 ug/L	3633730	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	50
2			1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	46
3			Bicyclo[4.1.0]heptane	96	C7H12	000286-08-8	46
4			Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	45
5			Cyclopropane, (2-methylenebutyl)-	110	C8H14	074685-56-6	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

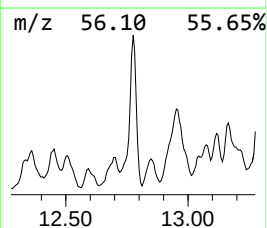
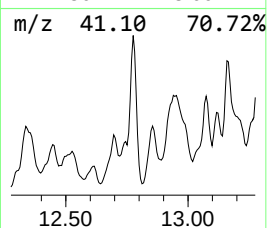
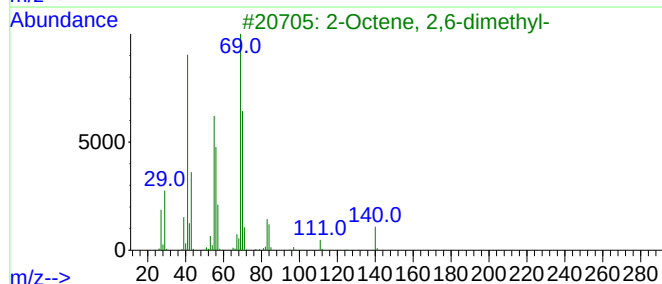
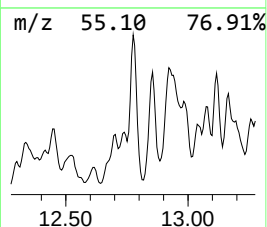
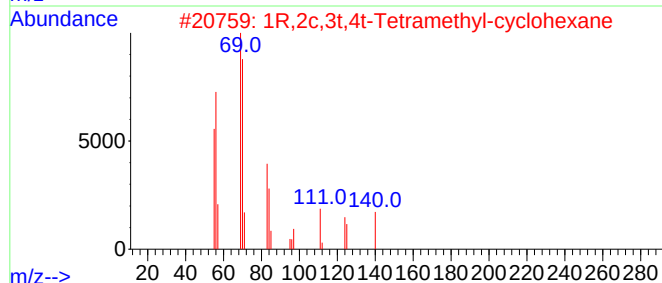
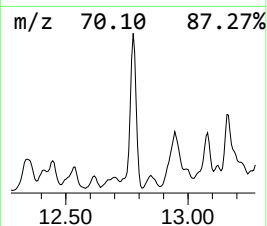
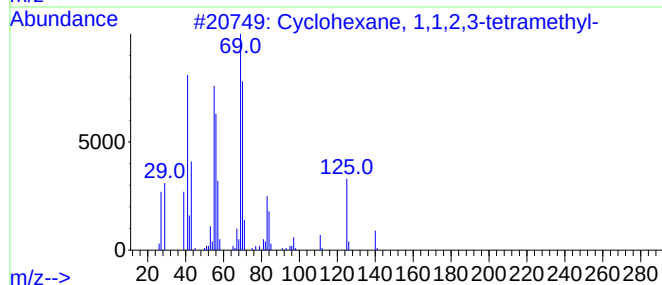
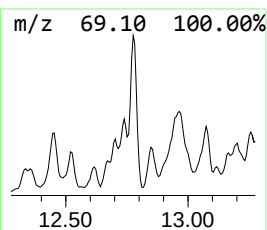
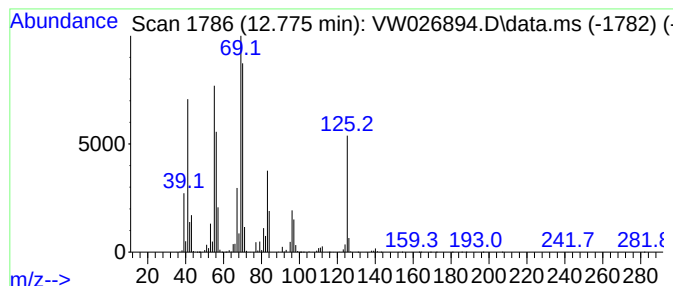
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 32 (DEL) Alkane: Cyclic12.775 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.775	85.12 ug/L	4036690	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	64
2			1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	1000144-07-3	59
3			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	53
4			Isodecyl methacrylate	226	C14H26O2	029964-84-9	53
5			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

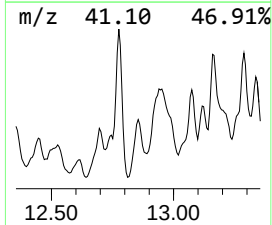
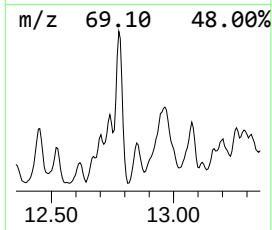
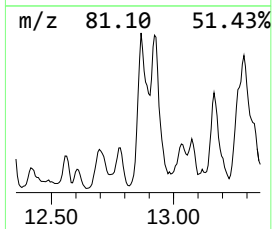
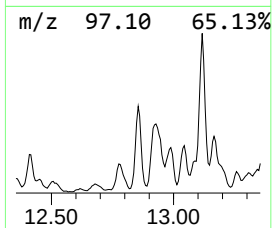
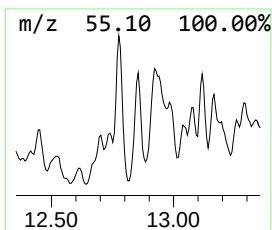
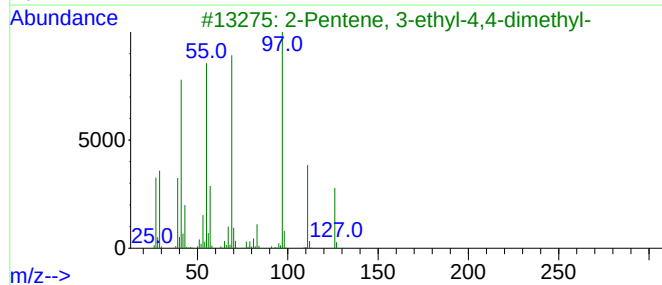
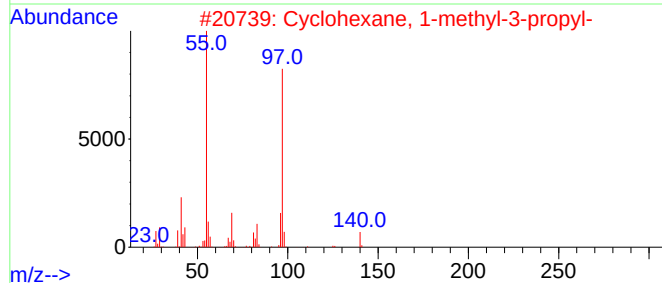
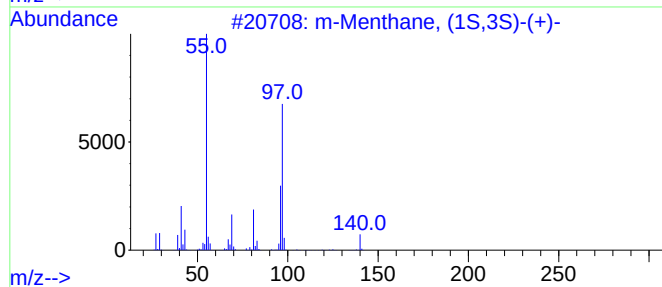
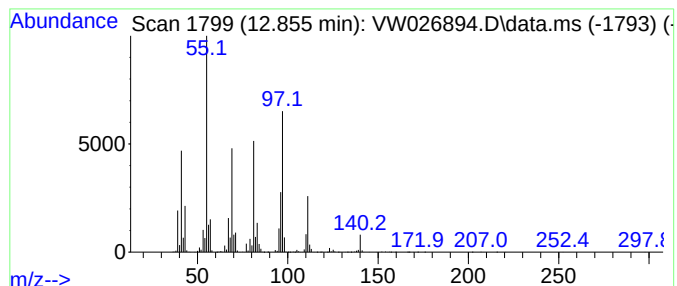
Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.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 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.855	54.76 ug/L	2596870	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	50
2	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	49
3	2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	47
4	Cyclohexane, 1-methyl-4-(1-methyl-...	140	C10H20	006069-98-3	47
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

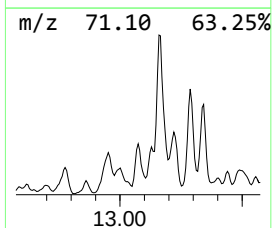
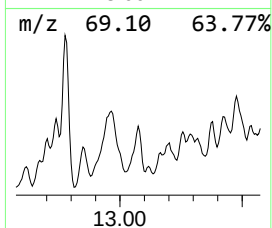
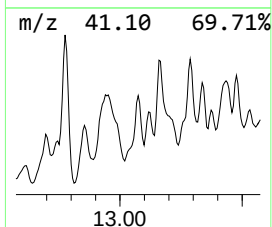
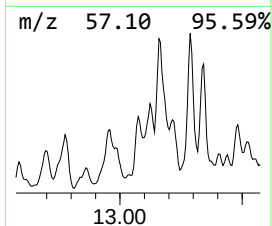
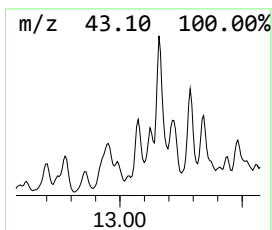
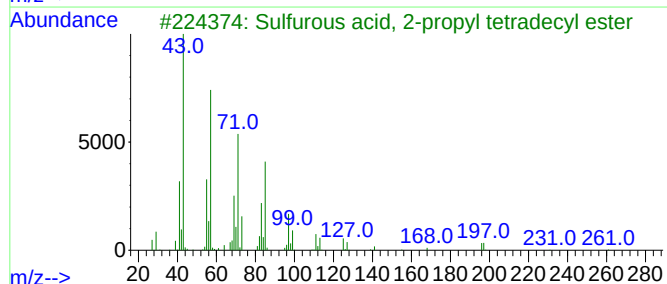
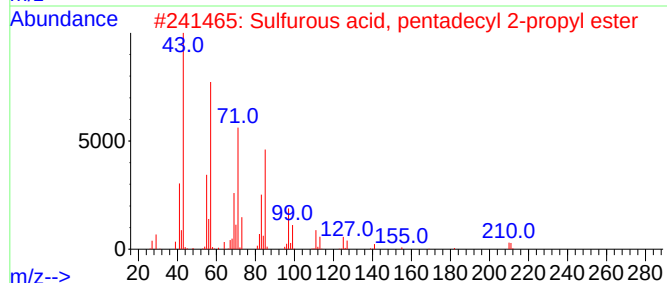
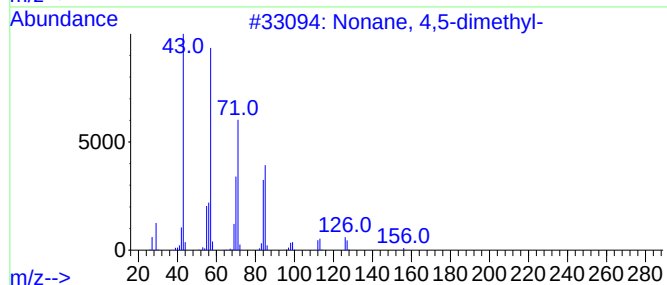
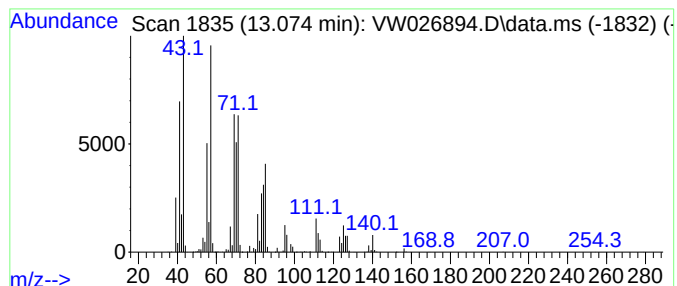
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.074	22.17 ug/L	1051320	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	64
2			Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	53
3			Sulfurous acid, 2-propyl tetradec...	320	C17H36O3S	1010309-12-5	53
4			Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	49
5			Undecane, 5-methyl-	170	C12H26	001632-70-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

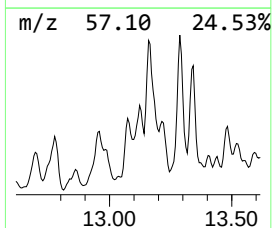
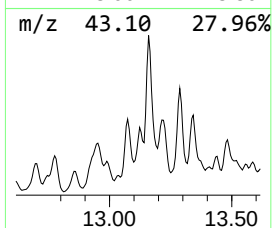
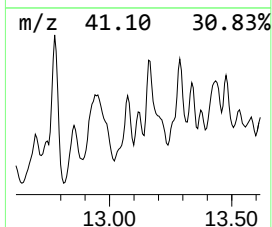
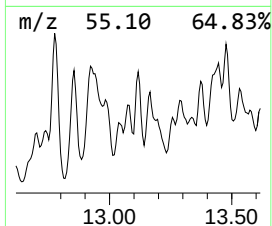
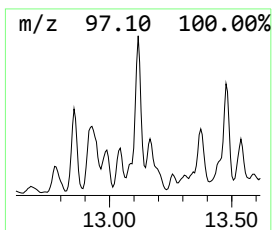
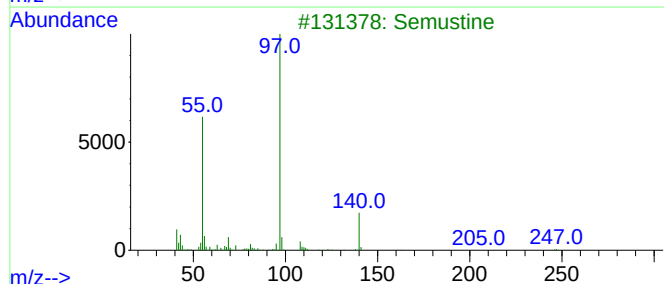
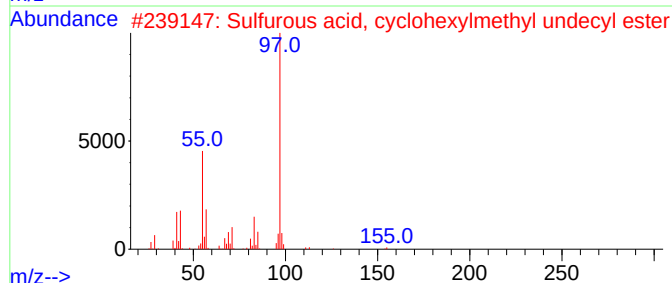
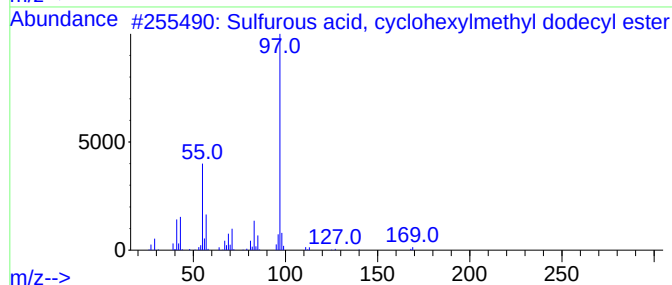
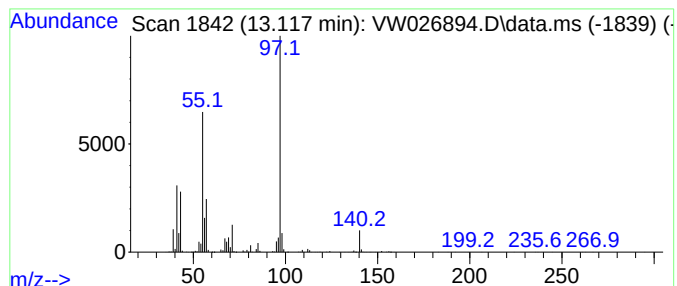
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 35 Sulfurous acid, cyclohexylm... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.117	15.75 ug/L	747069	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	346	C19H38O3S	1000309-22-0	72
2			Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	64
3			Semustine	247	C10H18ClN3O2	013909-09-6	59
4			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	59
5			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

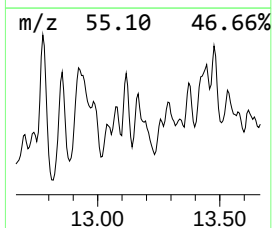
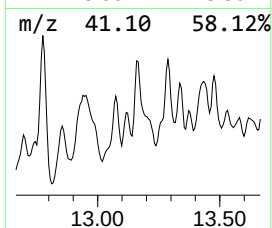
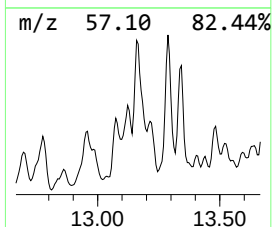
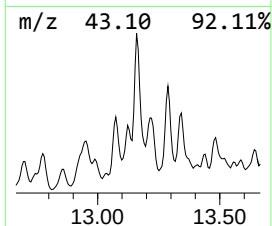
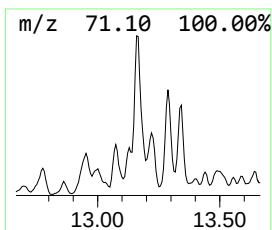
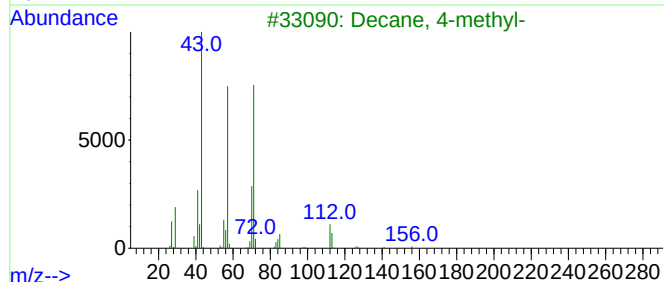
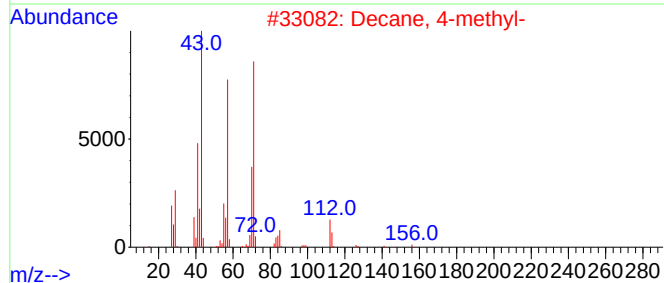
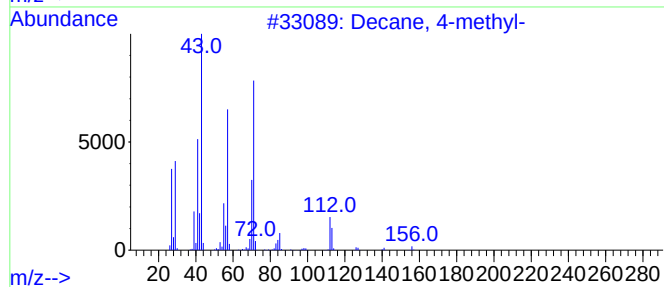
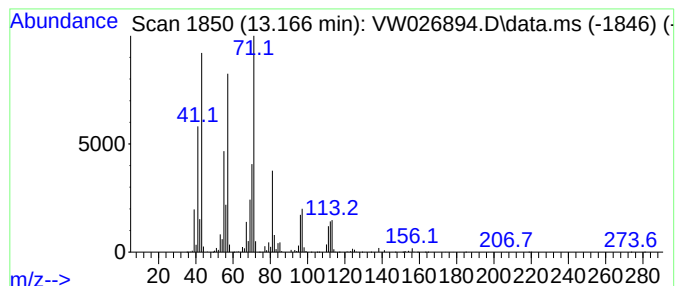
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.166	70.07 ug/L	3322980	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 4-methyl-	156	C11H24	002847-72-5	68
2			Decane, 4-methyl-	156	C11H24	002847-72-5	64
3			Decane, 4-methyl-	156	C11H24	002847-72-5	52
4			Octane, 3-ethyl-	142	C10H22	005881-17-4	50
5			Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

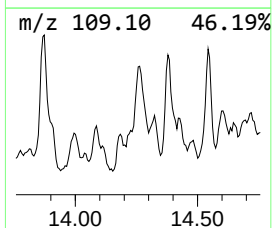
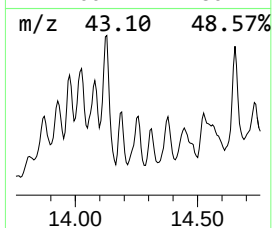
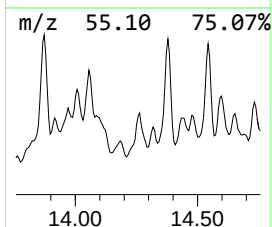
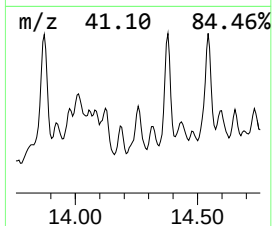
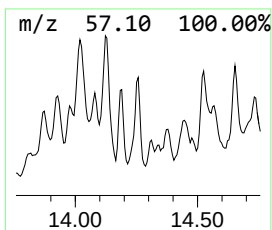
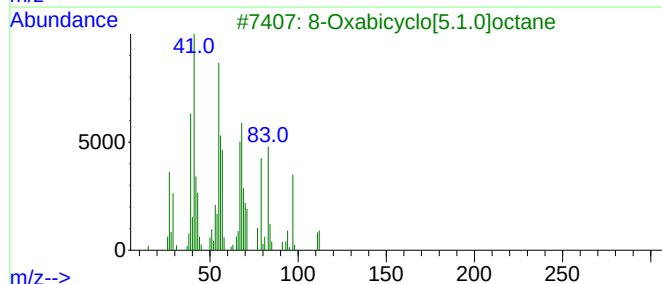
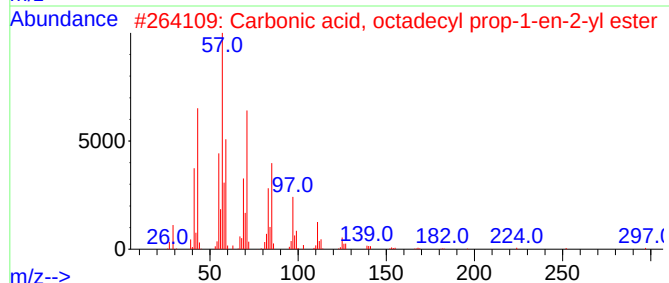
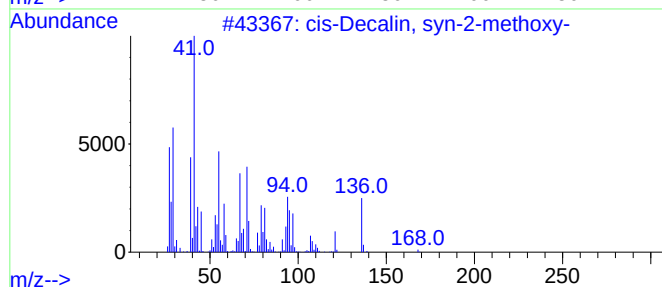
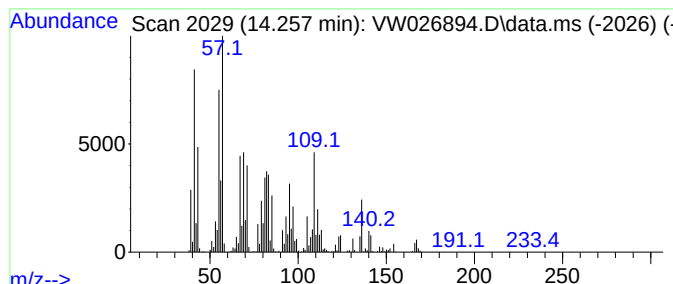
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 37 unknown-03 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.257	50.43 ug/L	2391350	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis-Decalin, syn-2-methoxy-	168	C11H20O	1000158-93-6	49
2			Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	38
3			8-Oxabicyclo[5.1.0]octane	112	C7H12O	000286-45-3	35
4			1-Undecene, 11-nitro-	199	C11H21NO2	040244-98-2	35
5			3-Octyne, 6-methyl-	124	C9H16	062108-34-3	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

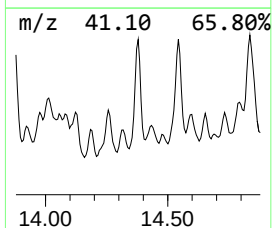
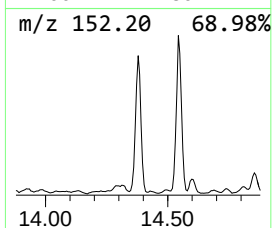
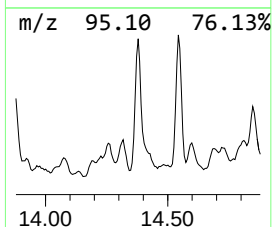
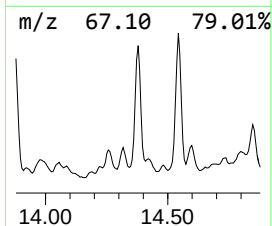
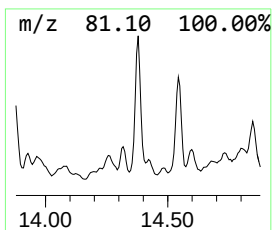
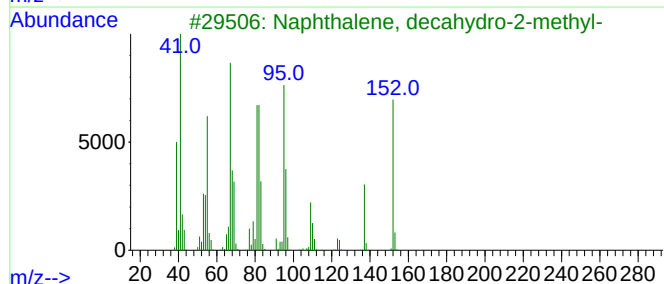
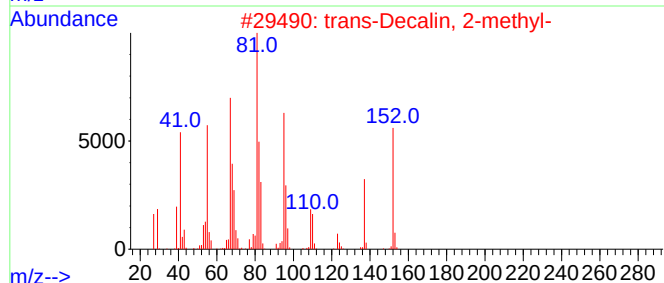
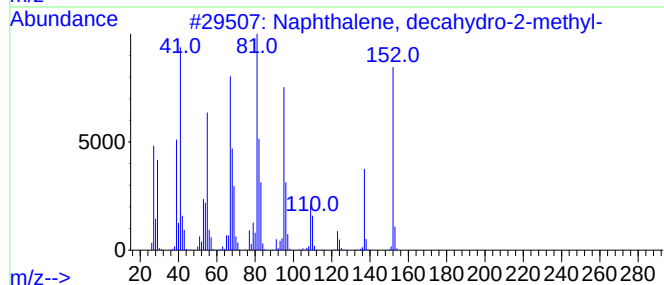
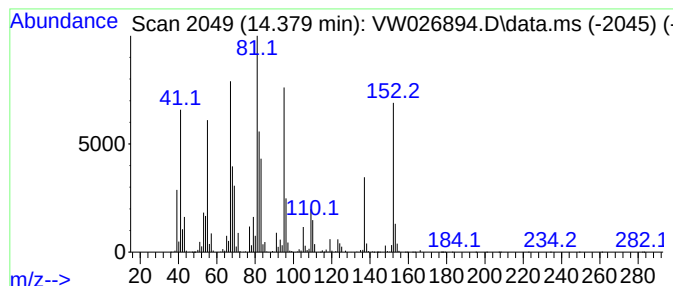
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 38 Naphthalene, decahydro-2-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.379	124.29 ug/L	5894100	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	98
2			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	95
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	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

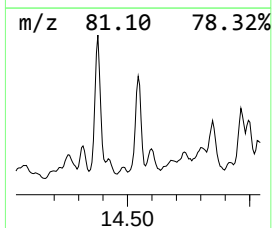
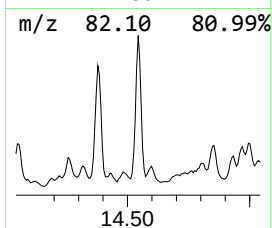
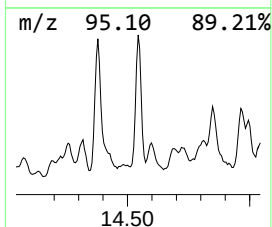
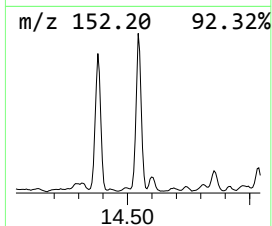
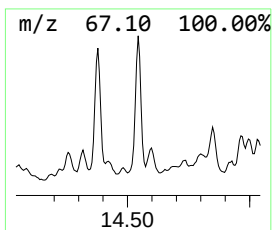
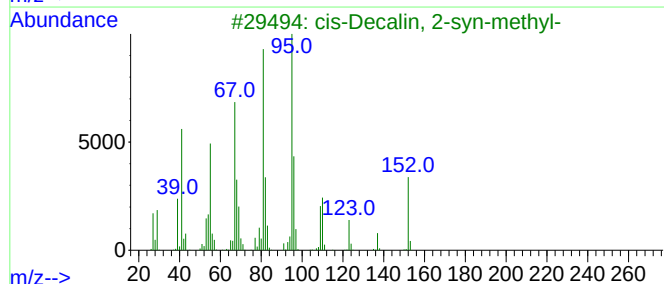
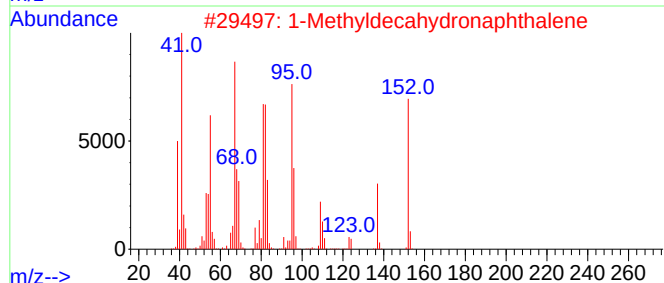
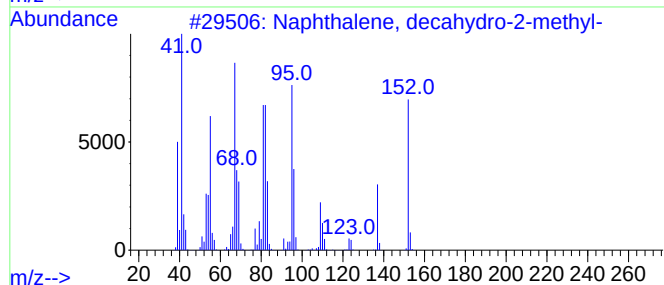
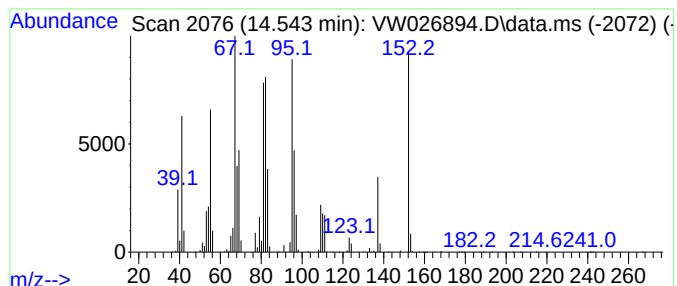
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 39 1-Methyldecahydronaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.543	114.98 ug/L	5452500	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	96
3			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	76
4			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	70
5			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

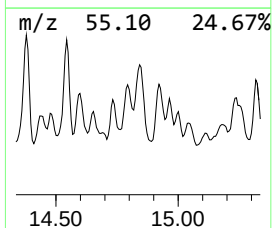
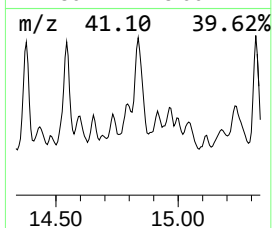
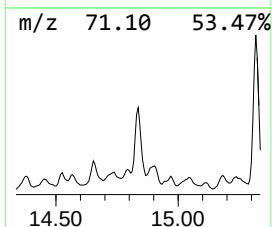
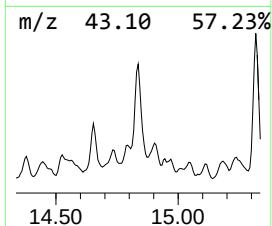
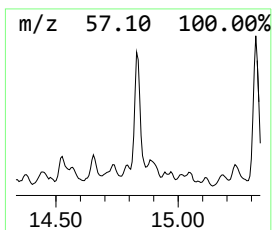
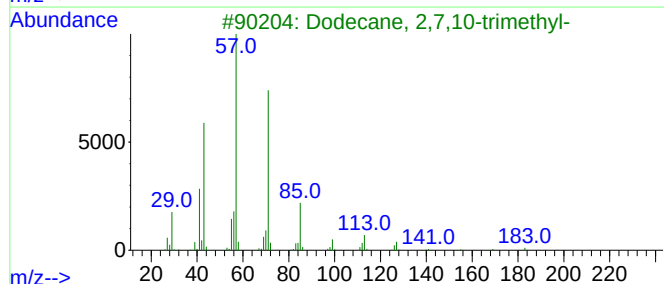
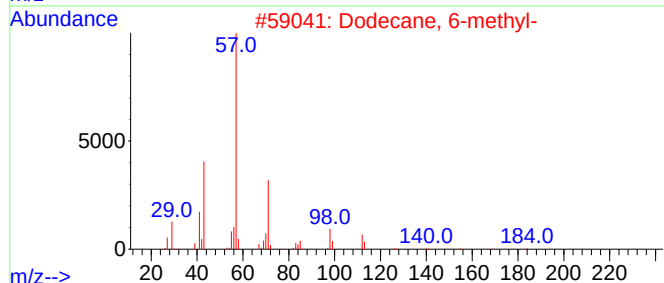
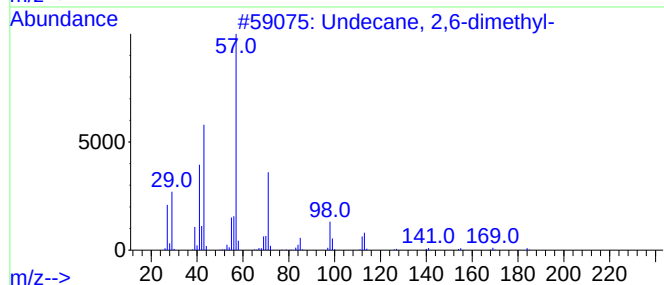
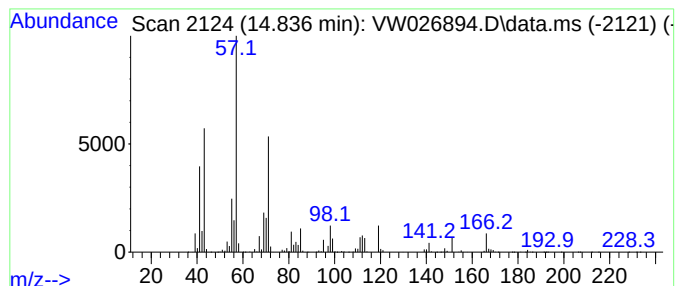
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.836	141.66 ug/L	6717930	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	55
2			Dodecane, 6-methyl-	184	C13H28	006044-71-9	53
3			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	50
4			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50
5			Nonane, 3-methyl-	142	C10H22	005911-04-6	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
Data File : VW026894.D
Acq On : 25 Aug 2023 14:42
Operator : SY/MD
Sample : 04113-16RE
Misc : 5.82g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BZYJ2RE

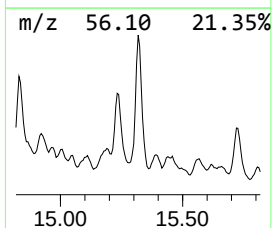
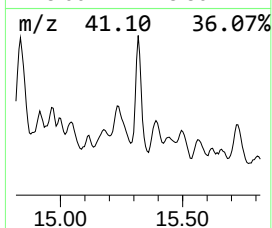
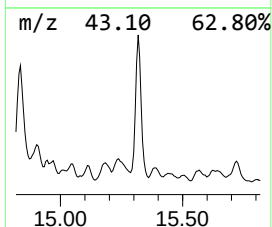
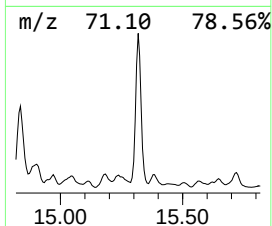
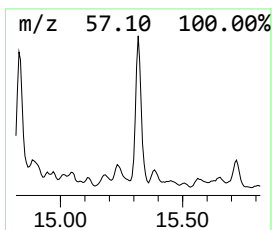
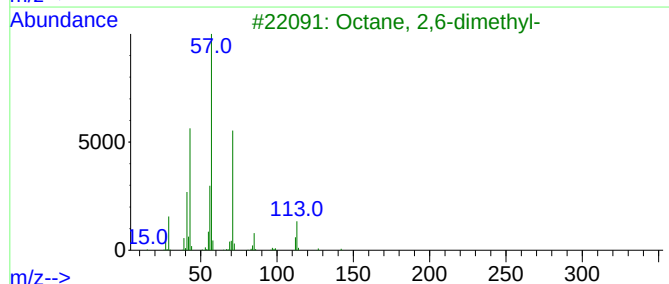
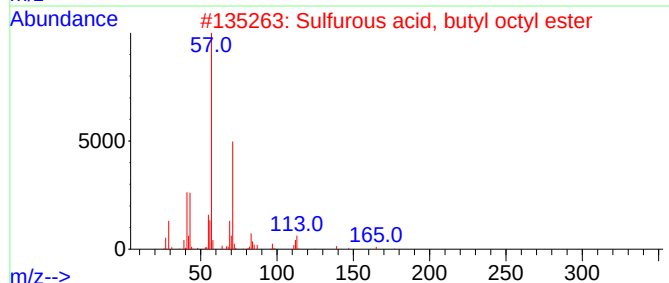
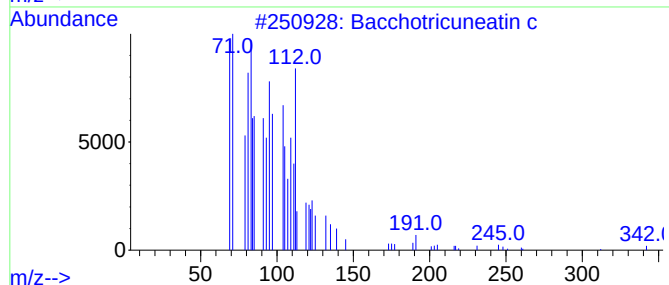
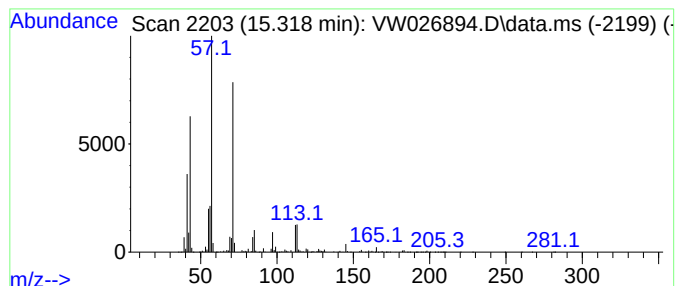
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 41 Bacchotricuneatin c Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.318	135.94 ug/L	6446760	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bacchotricuneatin c	342	C20H22O5	066563-30-2	80
2			Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	72
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
4			Nonane, 3-methyl-	142	C10H22	005911-04-6	64
5			Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
 Data File : VW026894.D
 Acq On : 25 Aug 2023 14:42
 Operator : SY/MD
 Sample : 04113-16RE
 Misc : 5.82g/10mL/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BZYJ2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
 Quant Title : SFAM01.0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown-01	2.174	1.4	ug/L	9133	1	8.843	169253	25.0
unknown-02	8.026	2.5	ug/L	16772	1	8.843	169253	25.0
(DEL) Alkane: S...	8.154	3.3	ug/L	22490	1	8.843	169253	25.0
(DEL) Alkane: C...	8.441	1.8	ug/L	12180	1	8.843	169253	25.0
(DEL) Alkane: S...	8.477	4.8	ug/L	32567	1	8.843	169253	25.0
(DEL) Alkane: C...	8.575	3.1	ug/L	21317	1	8.843	169253	25.0
(DEL) Alkane: S...	8.691	3.0	ug/L	20397	1	8.843	169253	25.0
(DEL) Alkane: C...	9.605	5.0	ug/L	33777	1	8.843	169253	25.0
(DEL) Alkane: C...	9.758	10.0	ug/L	67452	1	8.843	169253	25.0
(DEL) Alkane: S...	9.892	5.7	ug/L	38679	1	8.843	169253	25.0
(DEL) Alkane: S...	9.959	7.2	ug/L	48745	1	8.843	169253	25.0
(DEL) Alkane: S...	10.087	14.8	ug/L	100127	1	8.843	169253	25.0
(DEL) Alkane: S...	10.215	2.0	ug/L	13479	1	8.843	169253	25.0
4-Octadecenal	10.245	6.5	ug/L	28392	2	11.629	108621	25.0
(DEL) Alkane: C...	10.447	2.5	ug/L	10678	2	11.629	108621	25.0
(DEL) Alkane: S...	10.502	32.4	ug/L	140818	2	11.629	108621	25.0
(DEL) Alkane: C...	10.666	47.4	ug/L	205804	2	11.629	108621	25.0
(DEL) Alkane: C...	10.758	33.5	ug/L	145580	2	11.629	108621	25.0
(DEL) Alkane: S...	10.843	11.9	ug/L	51928	2	11.629	108621	25.0
(DEL) Alkane: S...	11.032	54.1	ug/L	235199	2	11.629	108621	25.0
(DEL) Alkane: C...	11.111	32.6	ug/L	141511	2	11.629	108621	25.0
(DEL) Alkane: C...	11.172	36.3	ug/L	157499	2	11.629	108621	25.0
(DEL) Alkane: C...	11.227	175.7	ug/L	763520	2	11.629	108621	25.0
(DEL) Alkane: C...	11.282	39.8	ug/L	172928	2	11.629	108621	25.0
Chloroacetic ac...	11.331	47.5	ug/L	206295	2	11.629	108621	25.0
(DEL) Alkane: C...	11.434	236.4	ug/L	1027180	2	11.629	108621	25.0
(DEL) Alkane: S...	11.514	54.5	ug/L	237019	2	11.629	108621	25.0
(DEL) Alkane: S...	11.971	87.3	ug/L	379428	2	11.629	108621	25.0
(DEL) Alkane: S...	12.251	347.3	ug/L	1509140	2	11.629	108621	25.0
Bicyclo[3.3.1]n...	12.336	836.3	ug/L	3633730	2	11.629	108621	25.0
(DEL) Alkane: C...	12.775	85.1	ug/L	4036690	3	13.556	1185570	25.0
(DEL) Alkane: S...	12.855	54.8	ug/L	2596870	3	13.556	1185570	25.0
(DEL) Alkane: S...	13.074	22.2	ug/L	1051320	3	13.556	1185570	25.0
Sulfurous acid,...	13.117	15.8	ug/L	747069	3	13.556	1185570	25.0
(DEL) Alkane: S...	13.166	70.1	ug/L	3322980	3	13.556	1185570	25.0
unknown-03	14.257	50.4	ug/L	2391350	3	13.556	1185570	25.0
Naphthalene, de...	14.379	124.3	ug/L	5894100	3	13.556	1185570	25.0
1-Methyldecahyd...	14.543	115.0	ug/L	5452500	3	13.556	1185570	25.0
(DEL) Alkane: S...	14.836	141.7	ug/L	6717930	3	13.556	1185570	25.0
Bacchotricuneat...	15.318	135.9	ug/L	6446760	3	13.556	1185570	25.0