

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\Vw120621\
 Data File : VW021182.D
 Acq On : 06 Dec 2021 21:13
 Operator : SY/VA
 Sample : M4888-09
 Misc : 5.25g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EX8B4

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\SFAMWLM120321SMA.M
 Title : SFAM01.0

Signal : TIC: VW021182.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.349	67	73	81	rVB	44210	69971	6.31%	1.340%
2	2.879	153	160	171	rVB	22108	47825	4.31%	0.916%
3	3.373	238	241	246	rVB2	450	731	0.07%	0.014%
4	4.013	335	346	360	rBV2	42334	128529	11.59%	2.461%
5	4.257	378	386	392	rBV3	426	1394	0.13%	0.027%
6	4.391	399	408	409	rBV2	742	1590	0.14%	0.030%
7	4.916	483	494	506	rVV3	6430	19525	1.76%	0.374%
8	5.050	513	516	519	rVB	163	209	0.02%	0.004%
9	5.117	522	527	530	rBV	256	446	0.04%	0.009%
10	5.196	538	540	542	rVB	238	175	0.02%	0.003%
11	5.275	550	553	556	rBV	95	157	0.01%	0.003%
12	5.348	562	565	569	rBB	139	195	0.02%	0.004%
13	5.422	569	577	584	rBB2	1033	2667	0.24%	0.051%
14	5.604	605	607	609	rBB	146	120	0.01%	0.002%
15	5.696	618	622	623	rBV	80	117	0.01%	0.002%
16	5.842	641	646	648	rBB	103	151	0.01%	0.003%
17	5.946	654	663	668	rBV3	889	2127	0.19%	0.041%
18	6.165	697	699	702	rBV	65	114	0.01%	0.002%
19	6.232	708	710	714	rVB	128	182	0.02%	0.003%
20	6.312	720	723	724	rBV	116	113	0.01%	0.002%
21	6.568	763	765	768	rBV	136	154	0.01%	0.003%
22	6.665	778	781	783	rBB	138	125	0.01%	0.002%
23	6.726	787	791	794	rBB	156	211	0.02%	0.004%
24	6.787	797	801	804	rBB	145	192	0.02%	0.004%
25	6.879	814	816	818	rBV	144	128	0.01%	0.002%
26	6.982	829	833	835	rBV	198	284	0.03%	0.005%
27	7.074	840	848	855	rBV2	10175	28450	2.57%	0.545%
28	7.397	897	901	904	rBV	86	166	0.01%	0.003%
29	7.537	922	924	927	rBV	77	128	0.01%	0.002%
30	7.561	927	928	932	rVV	150	125	0.01%	0.002%
31	7.647	932	942	955	rVB	67695	164878	14.87%	3.157%
32	8.275	1034	1045	1060	rBV2	127517	394761	35.59%	7.559%
33	8.701	1108	1115	1118	rBB2	325	435	0.04%	0.008%
34	8.842	1130	1138	1150	rBV	113212	227456	20.51%	4.355%
35	9.092	1171	1179	1186	rVB3	12709	26092	2.35%	0.500%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\Vw120621\
 Data File : VW021182.D
 Acq On : 06 Dec 2021 21:13
 Operator : SY/VA
 Sample : M4888-09
 Misc : 5.25g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EX8B4

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\SFAMWLM120321SMA.M
 Title : SFAM01.0

36	9.220	1196	1200	1201	rBV	275	330	0.03%	0.006%
37	9.275	1201	1209	1219	rVV	87239	177591	16.01%	3.401%
38	9.592	1258	1261	1262	rBB	151	124	0.01%	0.002%
39	9.665	1270	1273	1275	rBV	141	144	0.01%	0.003%
40	9.732	1282	1284	1290	rBB	82	150	0.01%	0.003%
41	9.957	1319	1321	1324	rBB	145	126	0.01%	0.002%
42	10.037	1327	1334	1343	rVB	46082	84597	7.63%	1.620%
43	10.201	1357	1361	1366	rBV2	269	478	0.04%	0.009%
44	10.323	1373	1381	1387	rBV	190184	335075	30.21%	6.416%
45	10.384	1387	1391	1398	rVB	7954	13810	1.25%	0.264%
46	10.476	1403	1406	1408	rBV	91	143	0.01%	0.003%
47	10.506	1408	1411	1415	rVB	336	359	0.03%	0.007%
48	10.579	1416	1423	1432	rBV	28712	49407	4.45%	0.946%
49	10.701	1436	1443	1450	rBV2	9356	17154	1.55%	0.328%
50	10.860	1462	1469	1475	rBV2	226880	392650	35.40%	7.518%
51	10.921	1475	1479	1490	rVB	42059	69430	6.26%	1.329%
52	11.061	1497	1502	1510	rVB2	5171	8511	0.77%	0.163%
53	11.317	1539	1544	1545	rBB2	87	120	0.01%	0.002%
54	11.433	1558	1563	1570	rBB2	5720	9109	0.82%	0.174%
55	11.628	1588	1595	1605	rVB	165474	281510	25.38%	5.390%
56	11.725	1606	1611	1617	rBB	3447	5531	0.50%	0.106%
57	11.768	1617	1618	1623	rBB	152	168	0.02%	0.003%
58	11.835	1623	1629	1636	rBB	3723	5952	0.54%	0.114%
59	12.176	1678	1685	1691	rBB3	2353	4542	0.41%	0.087%
60	12.311	1704	1707	1710	rBB	125	151	0.01%	0.003%
61	12.463	1729	1732	1736	rBB	353	457	0.04%	0.009%
62	12.603	1749	1755	1763	rBB2	24229	39111	3.53%	0.749%
63	12.689	1763	1769	1777	rBV	62115	102641	9.25%	1.965%
64	12.804	1784	1788	1792	rBB2	230	391	0.04%	0.007%
65	12.865	1793	1798	1799	rBV	2631	3448	0.31%	0.066%
66	12.932	1807	1809	1815	rVB4	2101	3133	0.28%	0.060%
67	13.103	1832	1837	1841	rBV	803	1309	0.12%	0.025%
68	13.249	1856	1861	1864	rBV2	2724	4465	0.40%	0.085%
69	13.292	1864	1868	1874	rVB4	5652	8849	0.80%	0.169%
70	13.347	1874	1877	1881	rVB	625	821	0.07%	0.016%
71	13.402	1882	1886	1889	rBV3	563	744	0.07%	0.014%
72	13.469	1893	1897	1905	rVB3	1392	2619	0.24%	0.050%
73	13.554	1905	1911	1921	rBV	166779	265699	23.96%	5.088%
74	13.646	1921	1926	1934	rVB	8414	13891	1.25%	0.266%
75	13.755	1940	1944	1947	rBV	6639	10466	0.94%	0.200%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\Vw120621\
 Data File : VW021182.D
 Acq On : 06 Dec 2021 21:13
 Operator : SY/VA
 Sample : M4888-09
 Misc : 5.25g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EX8B4

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\SFAMWLM120321SMA.M
 Title : SFAM01.0

76	13.853	1953	1960	1967	rVB	133459	226628	20.43%	4.339%
77	13.932	1969	1973	1979	rVB2	3867	6384	0.58%	0.122%
78	14.012	1981	1986	1988	rBV3	1995	3378	0.30%	0.065%
79	14.060	1992	1994	1997	rBV	3839	4779	0.43%	0.092%
80	14.146	2004	2008	2012	rBV3	476	613	0.06%	0.012%
81	14.201	2012	2017	2019	rBV4	2482	3968	0.36%	0.076%
82	14.335	2035	2039	2043	rVB4	1980	3010	0.27%	0.058%
83	14.414	2043	2052	2055	rBV2	19222	35147	3.17%	0.673%
84	14.457	2055	2059	2062	rVV	17112	23266	2.10%	0.445%
85	14.633	2085	2088	2092	rVB2	1540	1903	0.17%	0.036%
86	14.682	2092	2096	2100	rBV	9042	14943	1.35%	0.286%
87	14.792	2108	2114	2121	rBV2	33416	76114	6.86%	1.457%
88	14.865	2121	2126	2134	rVB4	7580	15958	1.44%	0.306%
89	14.950	2134	2140	2148	rBV3	16280	28559	2.57%	0.547%
90	15.060	2148	2158	2170	rBV	27174	65572	5.91%	1.256%
91	15.170	2171	2176	2182	rVB4	10048	21863	1.97%	0.419%
92	15.280	2188	2194	2198	rBV	69430	134502	12.13%	2.575%
93	15.365	2203	2208	2215	rVV	34712	70297	6.34%	1.346%
94	15.438	2216	2220	2231	rVV4	30946	82766	7.46%	1.585%
95	15.651	2248	2255	2260	rBV	15493	31048	2.80%	0.595%
96	15.956	2299	2305	2311	rBV4	11929	33553	3.03%	0.642%
97	16.261	2350	2355	2361	rVB2	20668	43436	3.92%	0.832%
98	16.371	2362	2373	2379	rBV4	30415	112346	10.13%	2.151%
99	16.566	2399	2405	2409	rBV	17866	38163	3.44%	0.731%
100	16.639	2409	2417	2427	rVB	508902	1109154	100.00%	21.238%

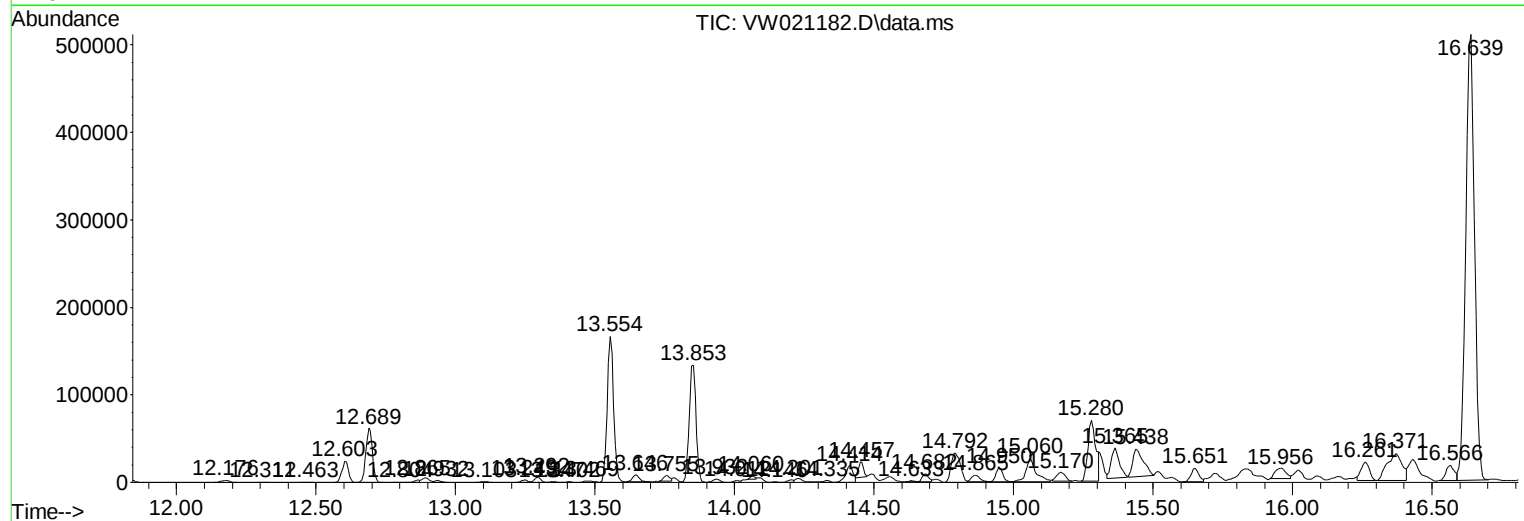
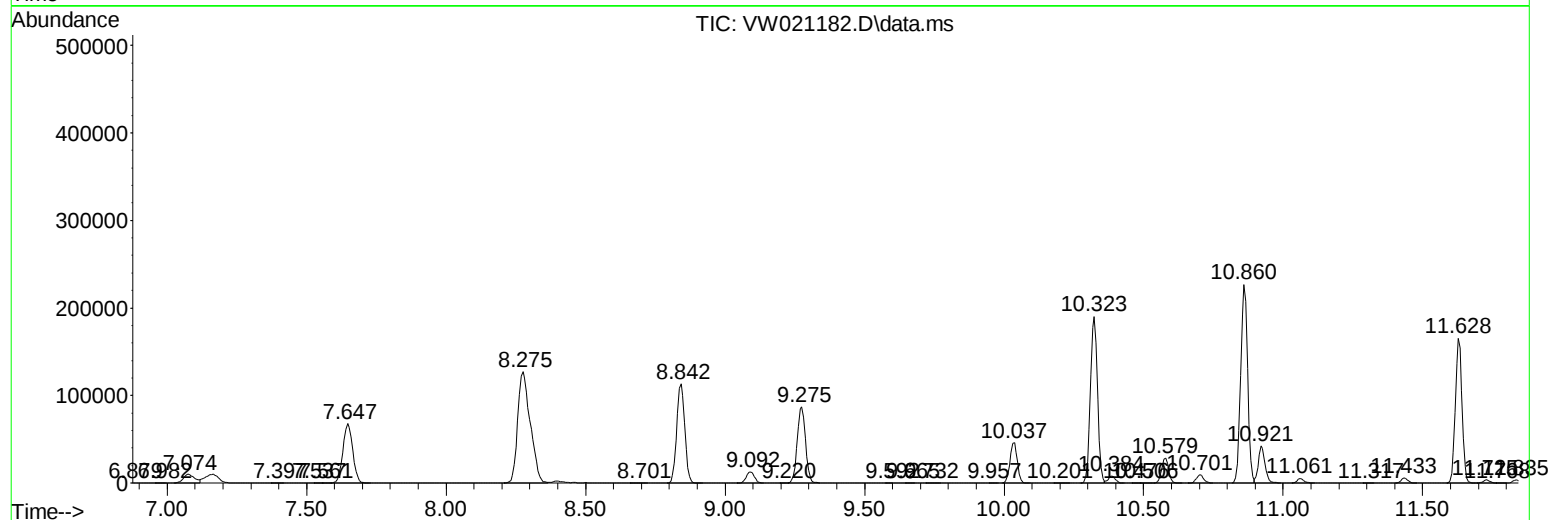
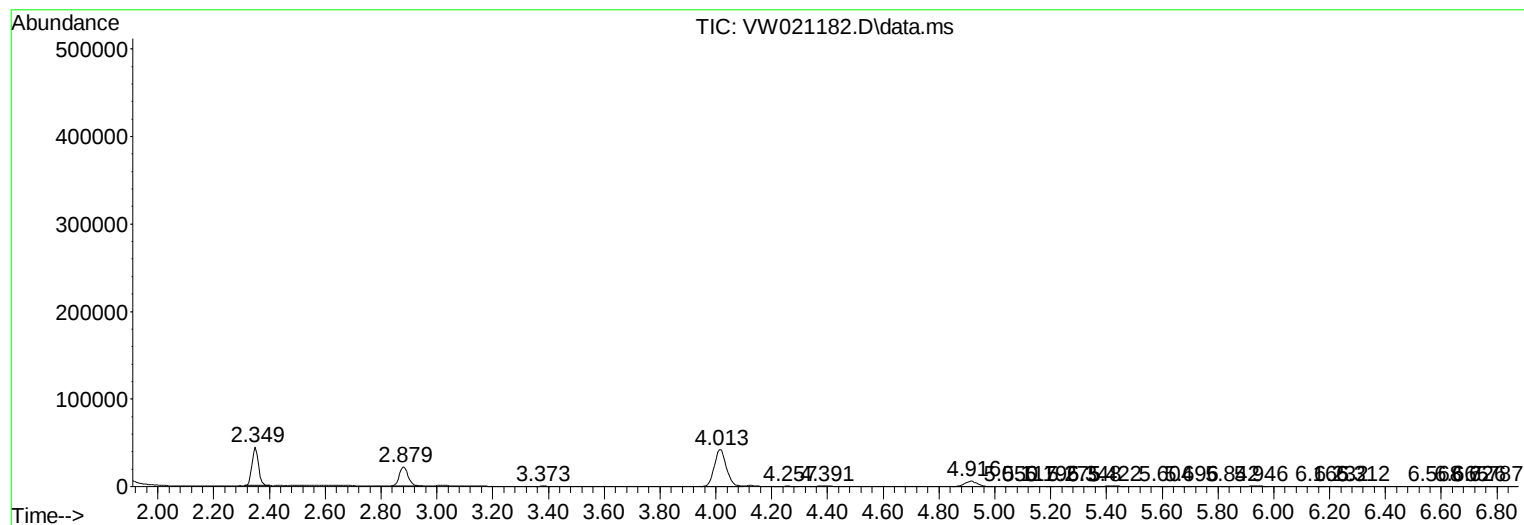
Sum of corrected areas: 5222479

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021182.D
Acq On : 06 Dec 2021 21:13
Operator : SY/VA
Sample : M4888-09
Misc : 5.25g/10.0mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX8B4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021182.D
Acq On : 06 Dec 2021 21:13
Operator : SY/VA
Sample : M4888-09
Misc : 5.25g/10.0mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX8B4

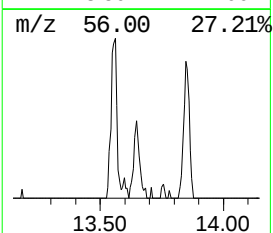
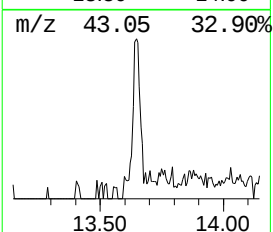
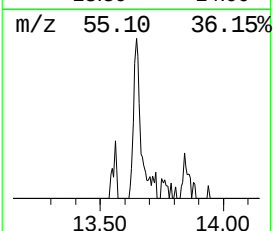
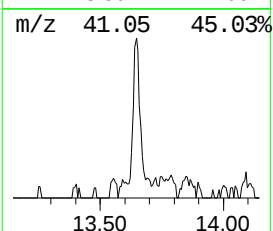
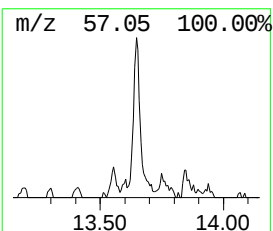
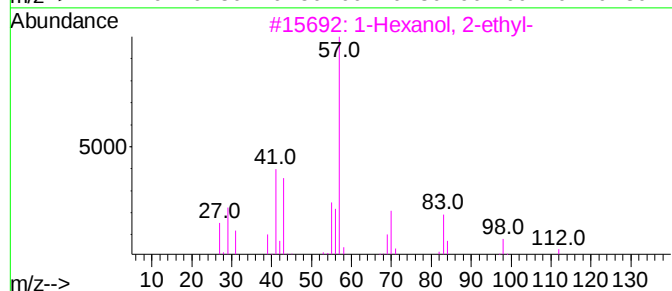
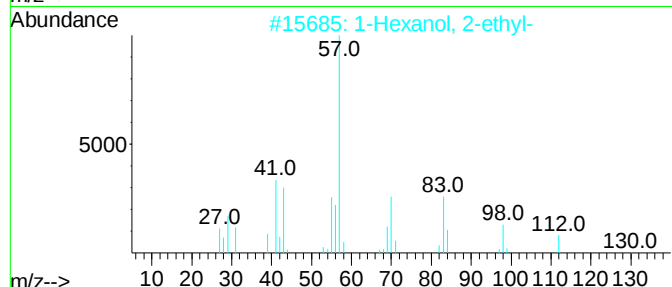
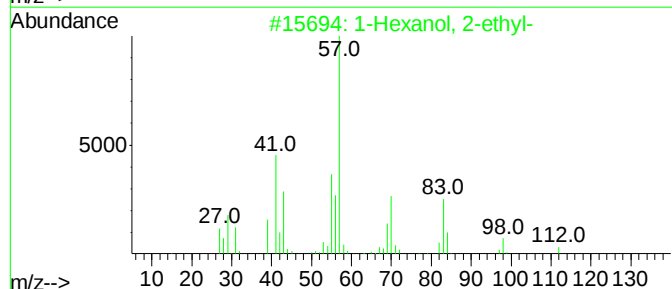
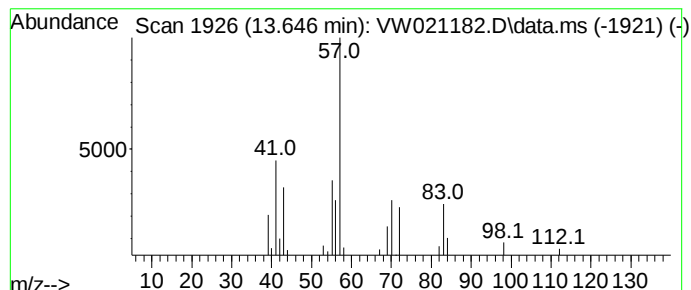
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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

Peak Number 5 1-Hexanol, 2-ethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.646	1.31 ug/L	13891	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	59
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	59
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	53
5	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021182.D
Acq On : 06 Dec 2021 21:13
Operator : SY/VA
Sample : M4888-09
Misc : 5.25g/10.0mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX8B4

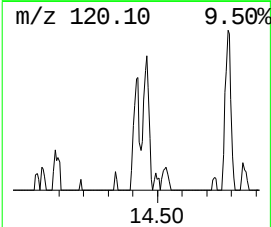
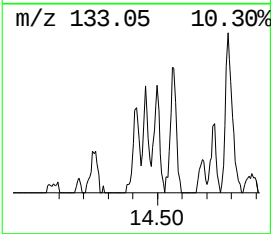
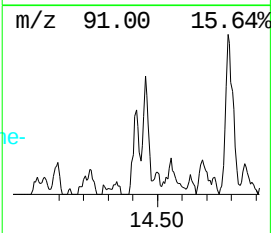
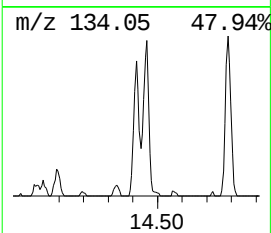
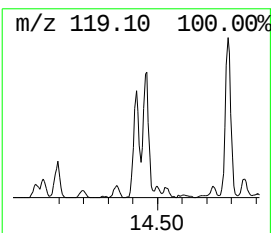
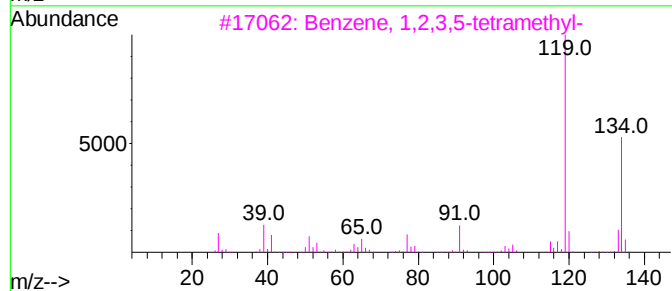
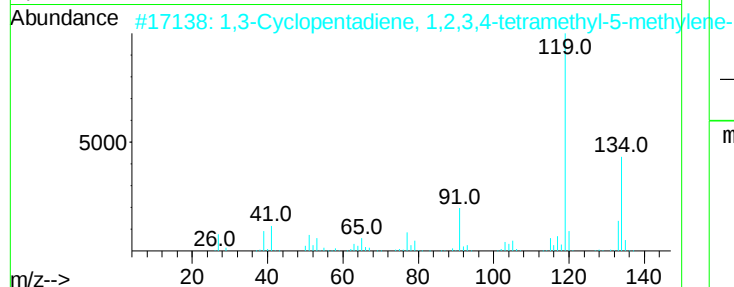
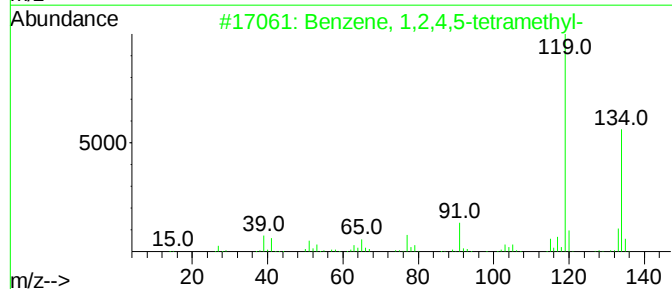
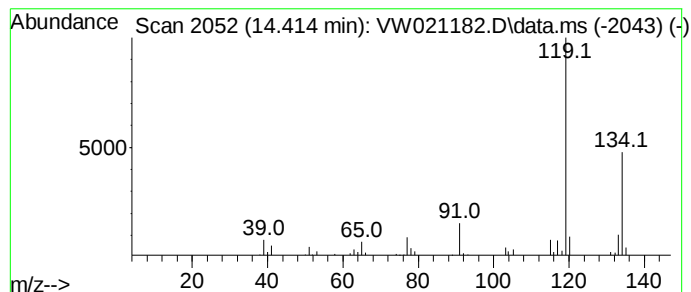
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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

Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.414	3.31 ug/L	35147	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	95
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021182.D
Acq On : 06 Dec 2021 21:13
Operator : SY/VA
Sample : M4888-09
Misc : 5.25g/10.0mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX8B4

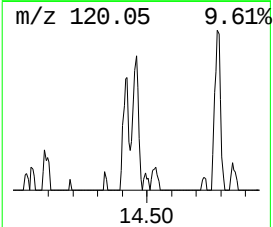
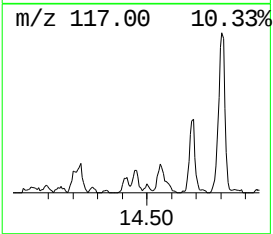
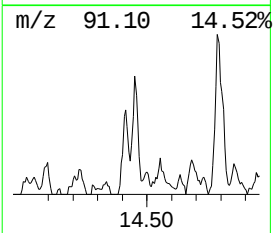
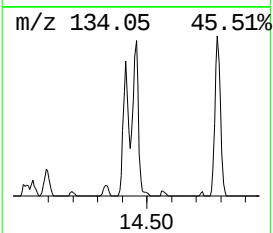
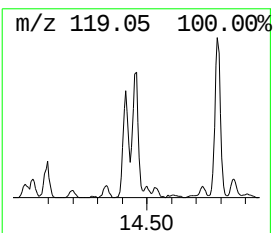
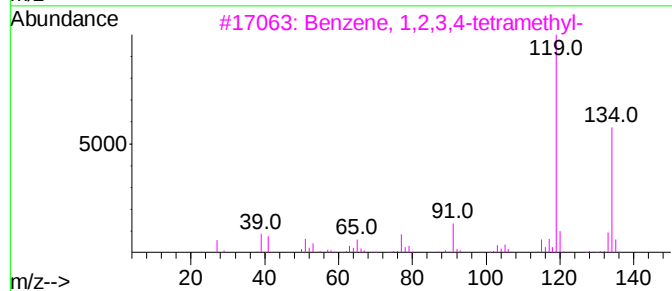
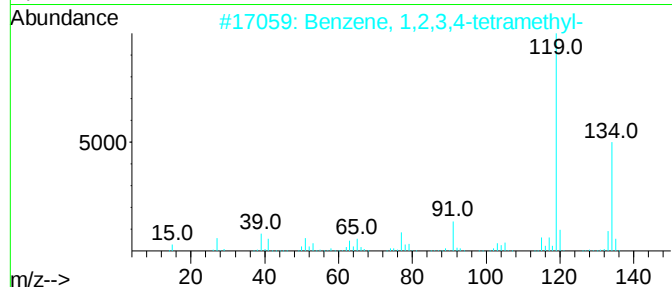
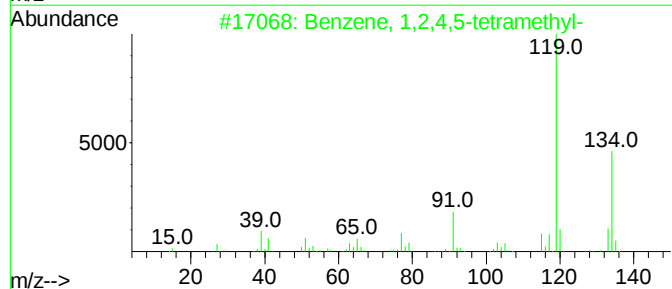
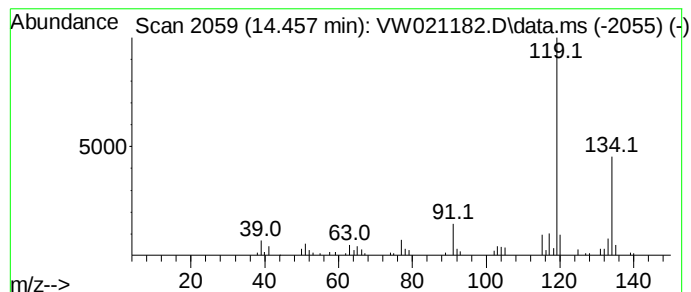
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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

Peak Number 7 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.457	2.19 ug/L	23266	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021182.D
Acq On : 06 Dec 2021 21:13
Operator : SY/VA
Sample : M4888-09
Misc : 5.25g/10.0mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX8B4

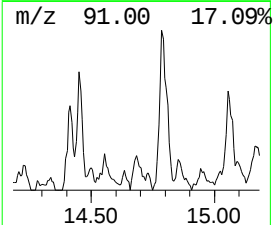
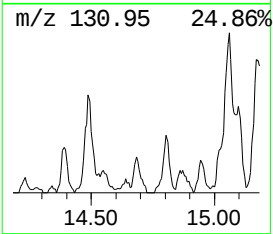
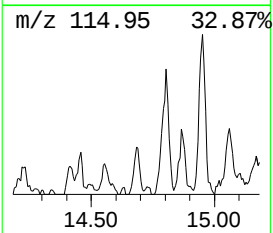
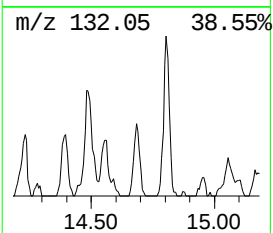
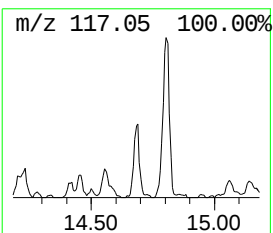
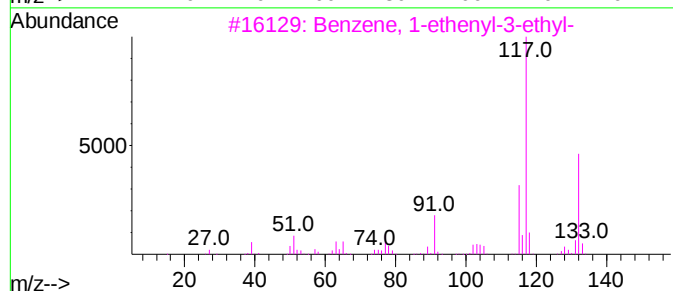
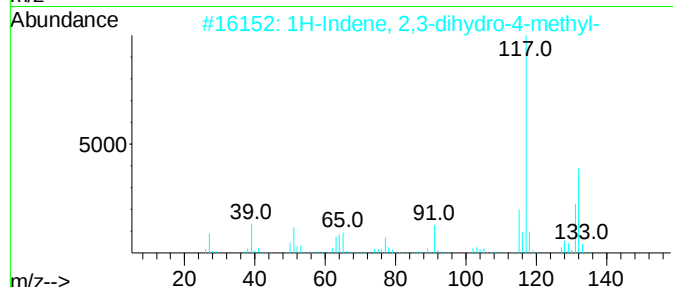
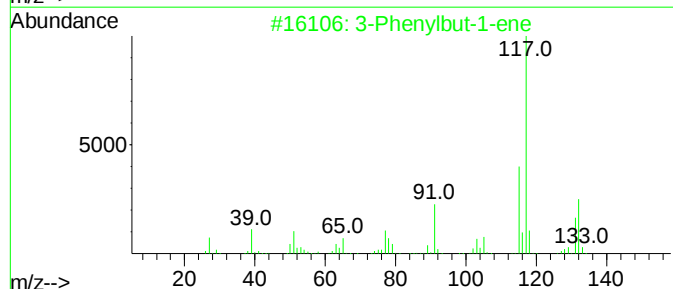
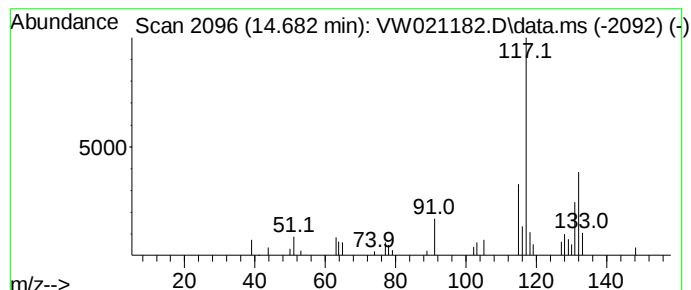
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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

Peak Number 8 3-Phenylbut-1-ene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.682	1.41 ug/L	14943	1,4-Dichlorobenzene-d4	13.560

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
2		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	78
3		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	74
4		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	74
5		Cyclopropane, 1-methyl-1-phenyl-	132	C10H12	002214-14-4	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021182.D
Acq On : 06 Dec 2021 21:13
Operator : SY/VA
Sample : M4888-09
Misc : 5.25g/10.0mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX8B4

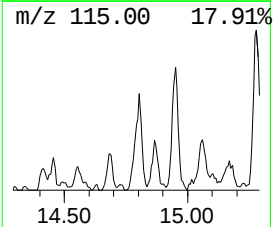
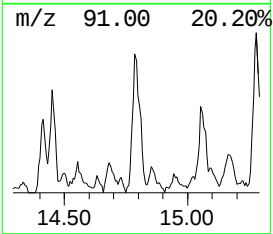
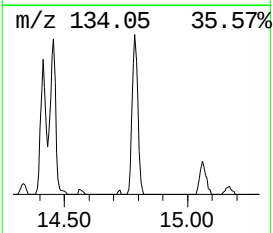
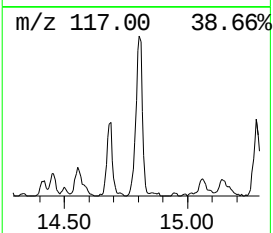
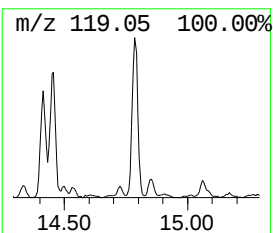
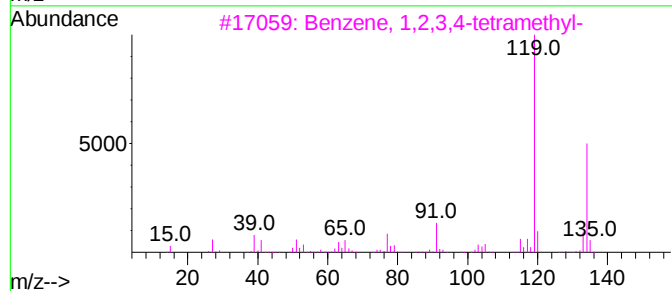
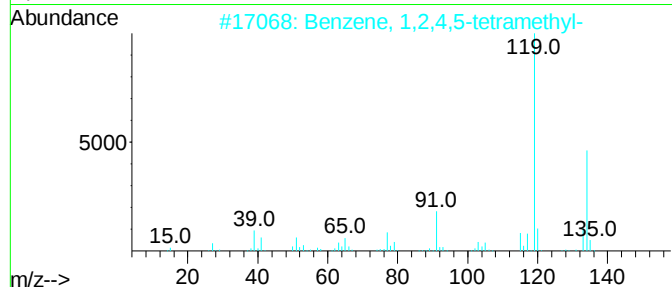
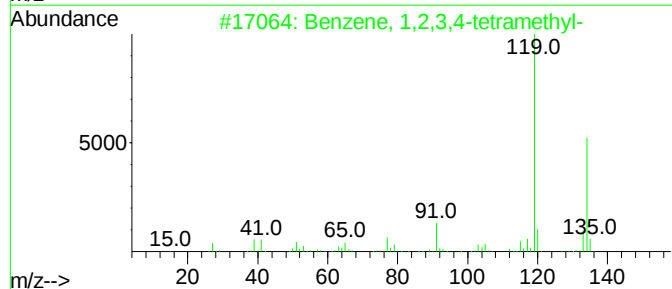
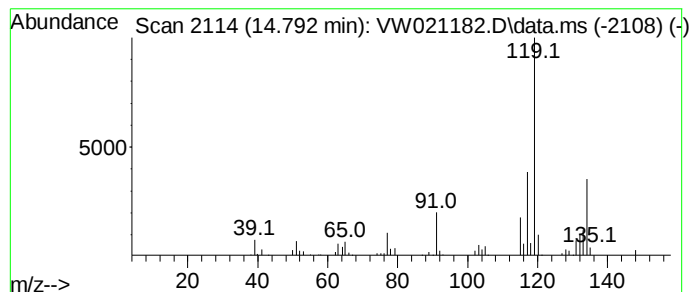
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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

Peak Number 9 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.792	7.16 ug/L	76114	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021182.D
Acq On : 06 Dec 2021 21:13
Operator : SY/VA
Sample : M4888-09
Misc : 5.25g/10.0mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX8B4

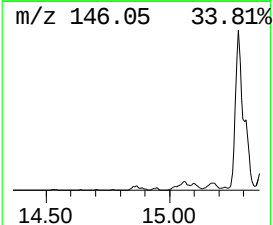
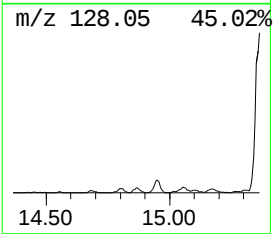
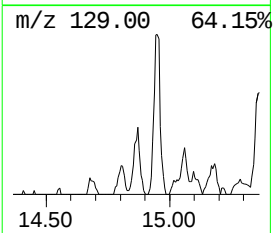
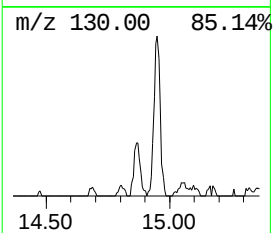
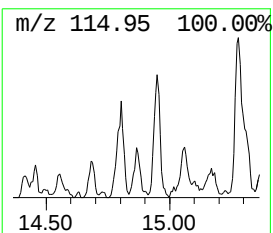
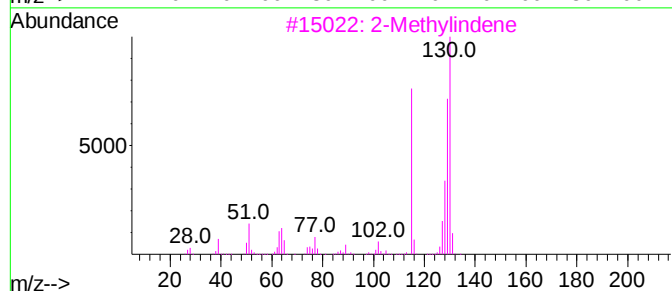
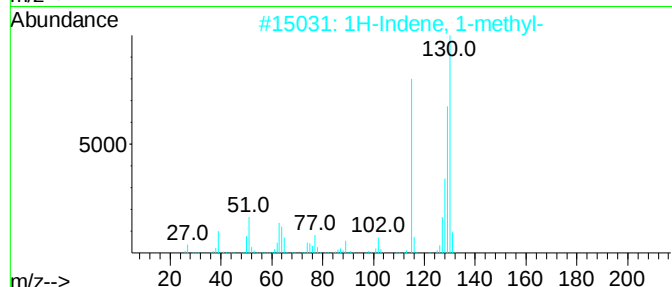
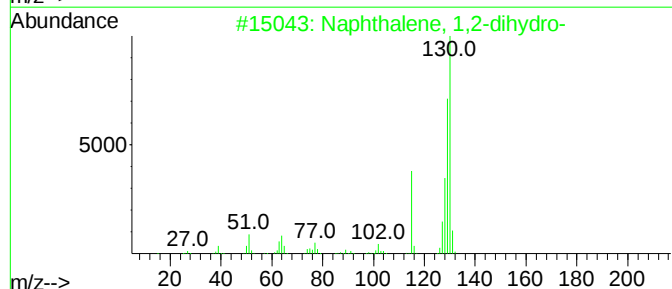
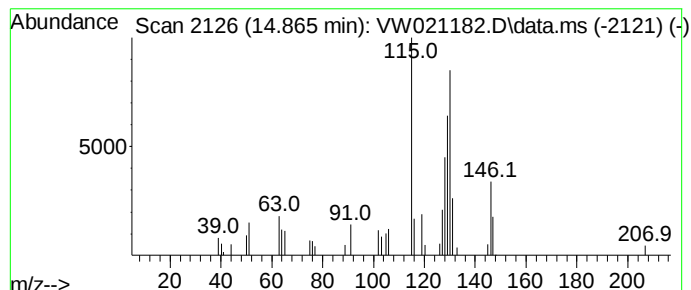
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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

Peak Number 10 Naphthalene, 1,2-dihydro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.865	1.50 ug/L	15958	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	70
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	70
3	2-Methylindene	130	C10H10	002177-47-1	62
4	2a,4a,6a,6b-Tetrahydrocyclopenta...	130	C10H10	006053-74-3	58
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021182.D
Acq On : 06 Dec 2021 21:13
Operator : SY/VA
Sample : M4888-09
Misc : 5.25g/10.0mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX8B4

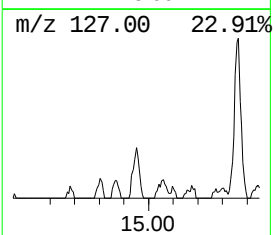
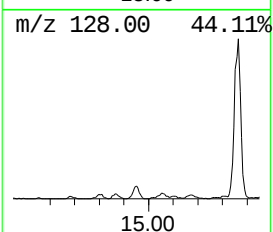
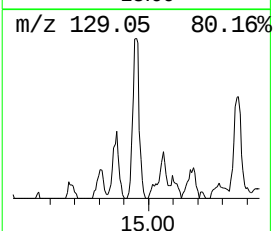
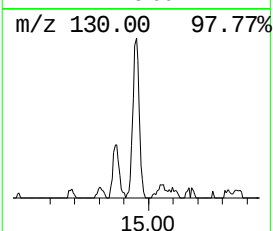
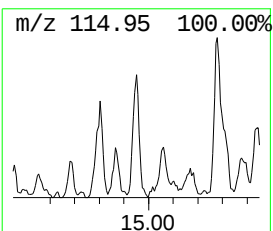
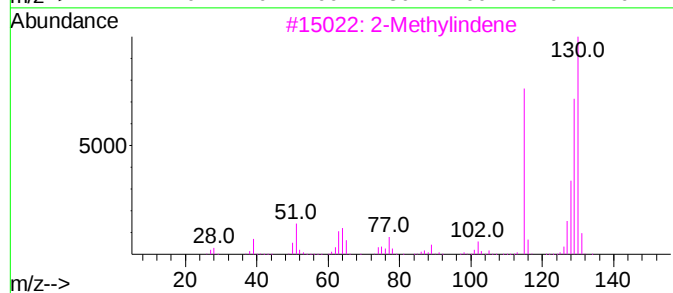
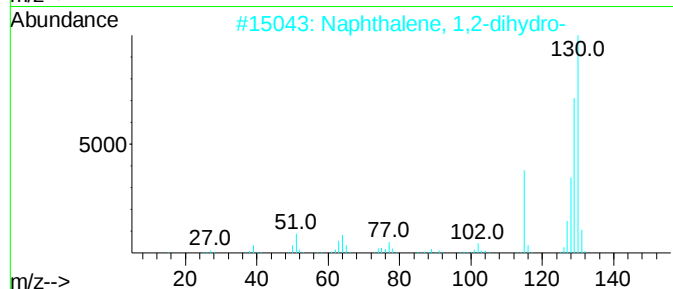
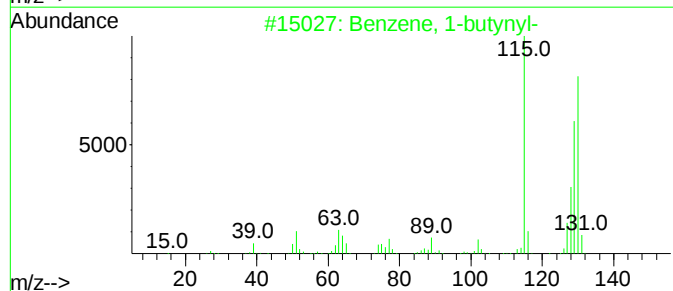
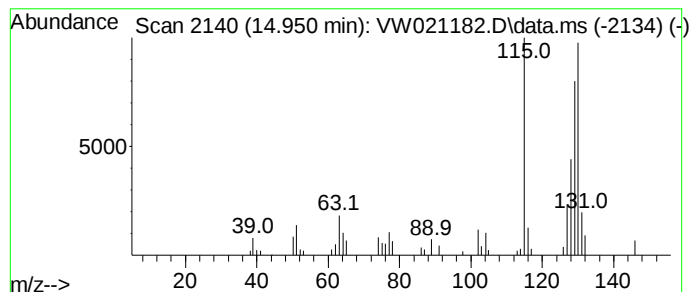
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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

Peak Number 11 Benzene, 1-butynyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.950	2.69 ug/L	28559	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
2	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	93
3	2-Methylindene	130	C10H10	002177-47-1	90
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	81
5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021182.D
Acq On : 06 Dec 2021 21:13
Operator : SY/VA
Sample : M4888-09
Misc : 5.25g/10.0mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX8B4

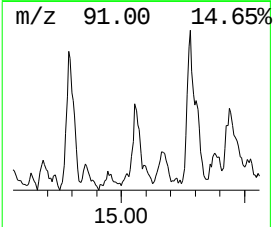
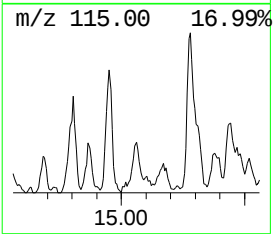
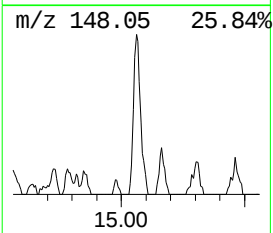
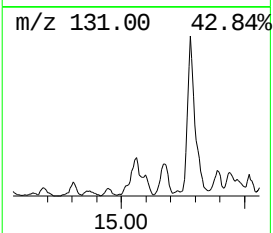
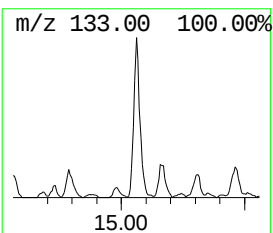
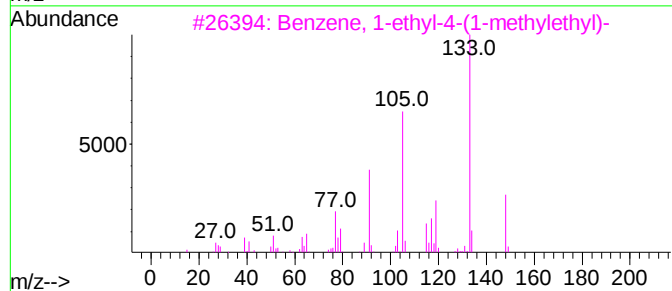
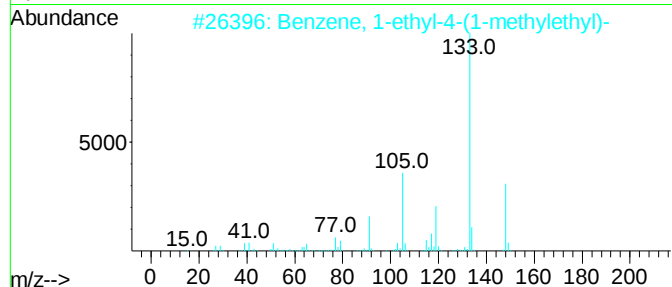
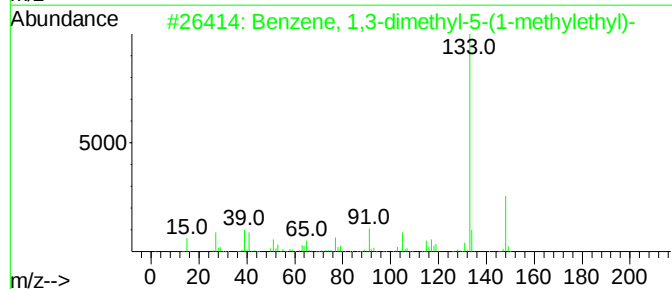
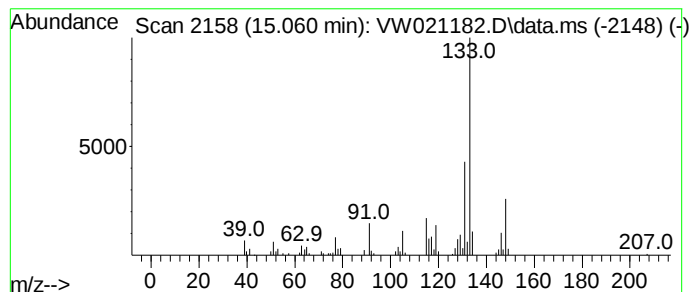
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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

Peak Number 12 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	6.17 ug/L	65572	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	64
2			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	64
3			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	58
4			4-tert-Butyltoluene	148	C11H16	000098-51-1	53
5			Benzene, pentamethyl-	148	C11H16	000700-12-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021182.D
Acq On : 06 Dec 2021 21:13
Operator : SY/VA
Sample : M4888-09
Misc : 5.25g/10.0mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX8B4

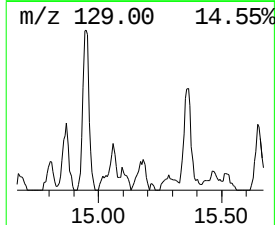
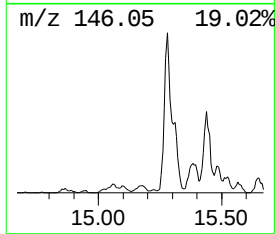
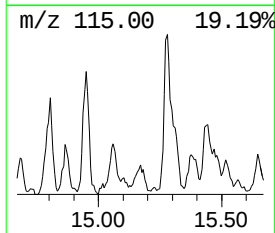
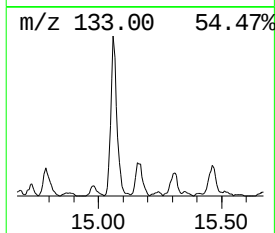
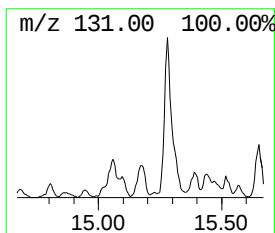
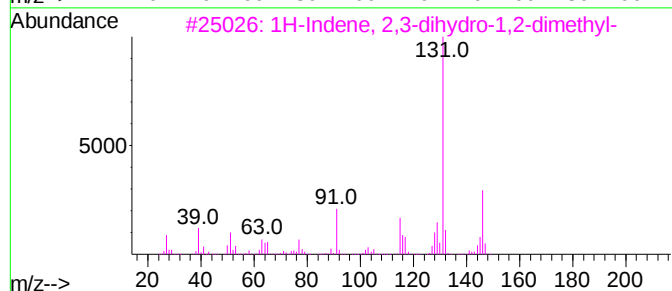
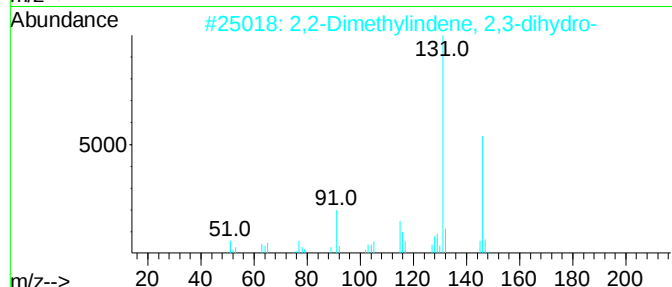
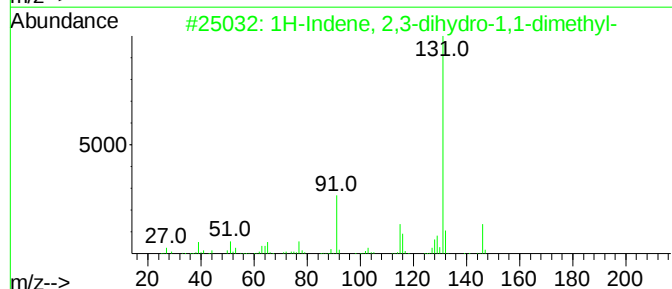
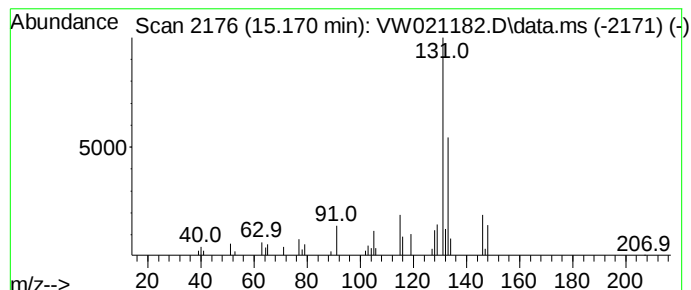
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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

Peak Number 13 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.170	2.06 ug/L	21863	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	70
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	70
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	70
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021182.D
Acq On : 06 Dec 2021 21:13
Operator : SY/VA
Sample : M4888-09
Misc : 5.25g/10.0mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX8B4

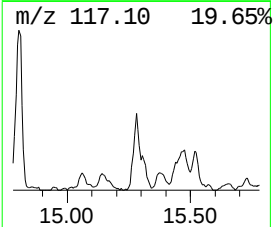
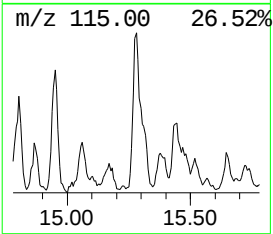
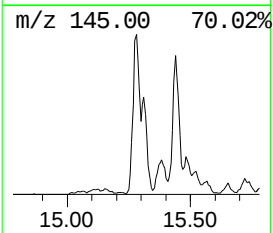
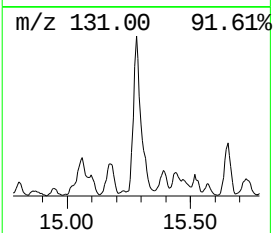
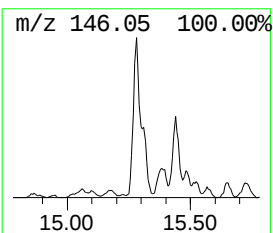
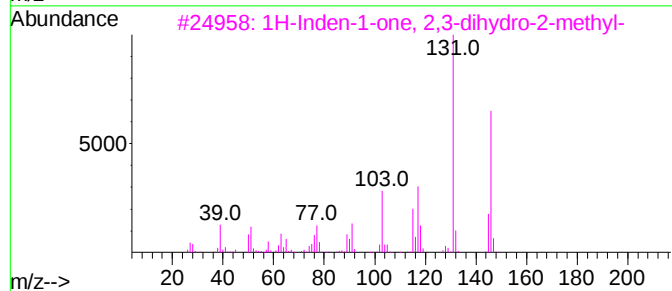
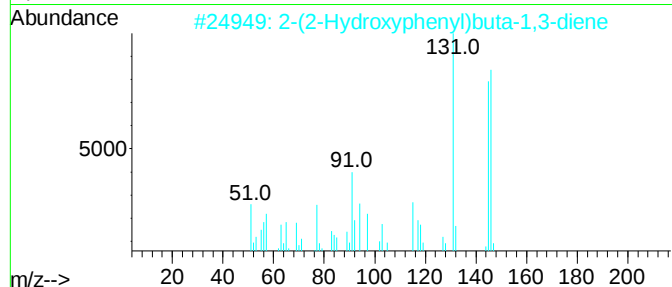
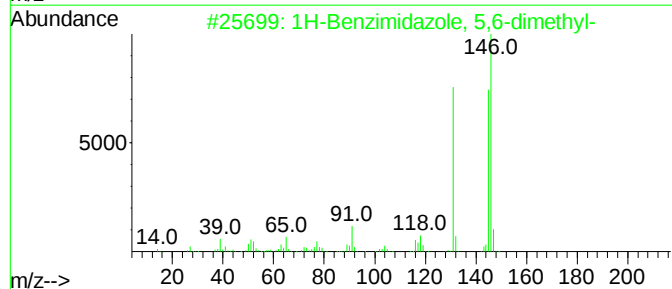
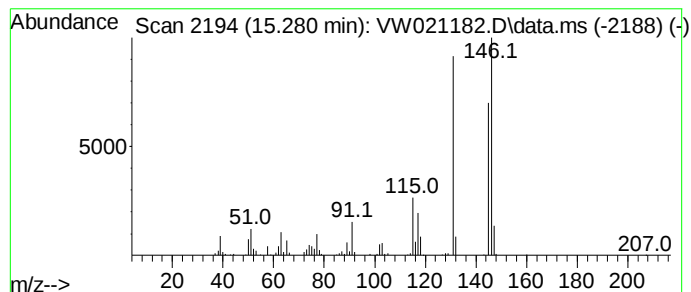
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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

Peak Number 14 1H-Benzimidazole, 5,6-dimet... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.280	12.66 ug/L	134502	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	87
2	2-(2-Hydroxyphenyl)buta-1,3-diene	146	C10H10O	038865-47-3	86
3	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	72
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	72
5	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021182.D
Acq On : 06 Dec 2021 21:13
Operator : SY/VA
Sample : M4888-09
Misc : 5.25g/10.0mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX8B4

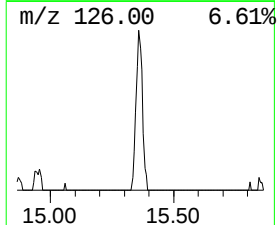
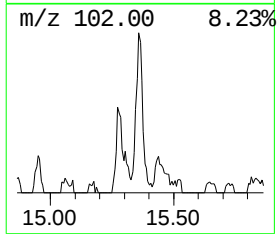
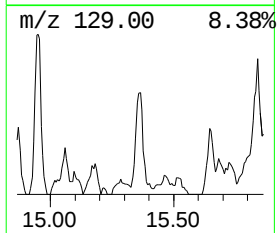
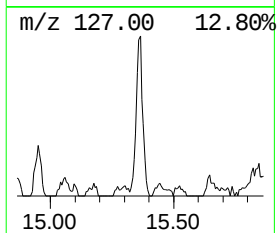
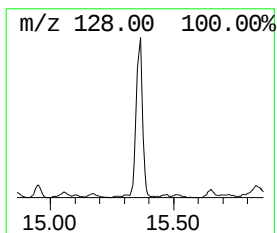
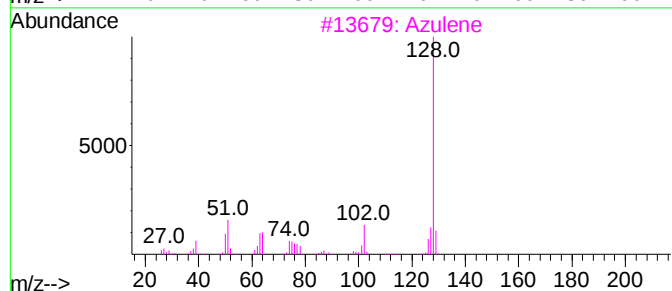
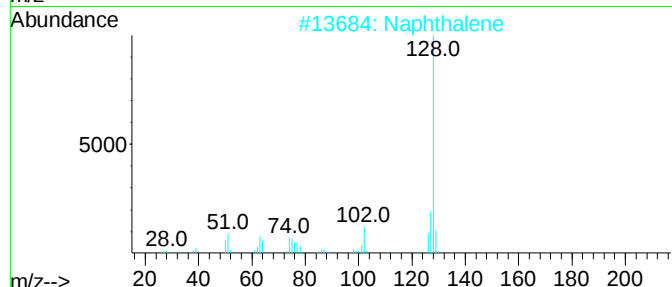
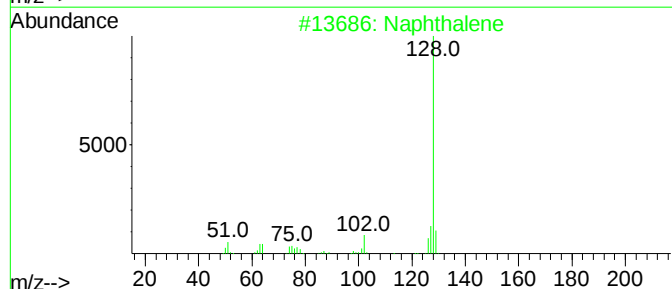
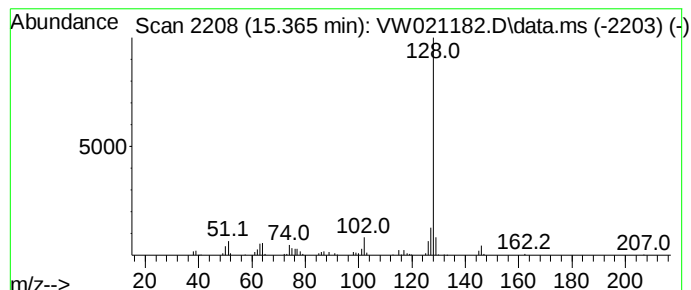
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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

Peak Number 15 Azulene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.365	6.61 ug/L	70297	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	94
2	Naphthalene	128	C10H8	000091-20-3	93
3	Azulene	128	C10H8	000275-51-4	93
4	Naphthalene	128	C10H8	000091-20-3	90
5	Azulene	128	C10H8	000275-51-4	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021182.D
Acq On : 06 Dec 2021 21:13
Operator : SY/VA
Sample : M4888-09
Misc : 5.25g/10.0mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX8B4

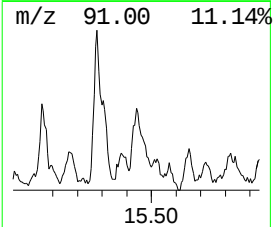
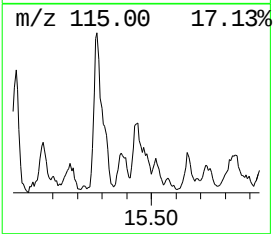
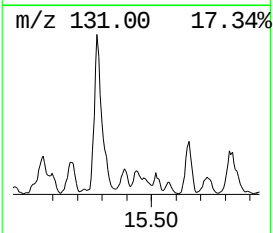
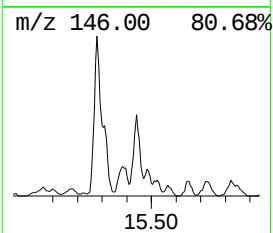
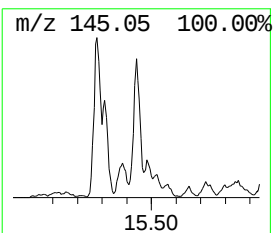
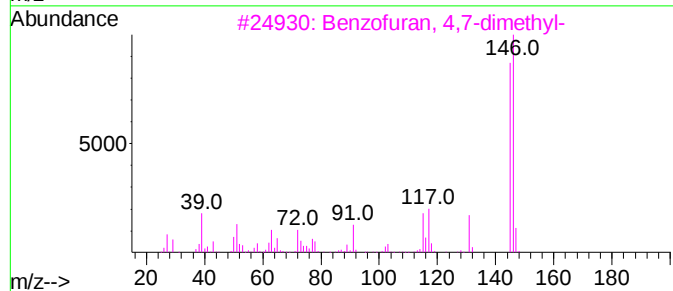
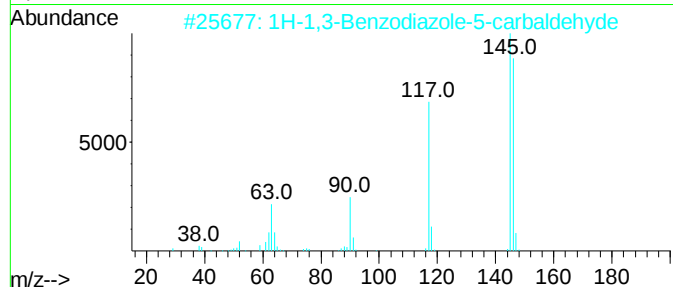
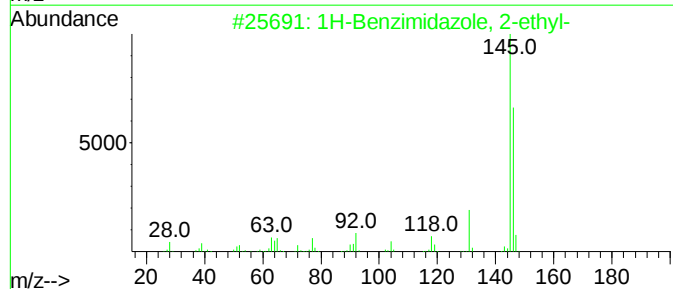
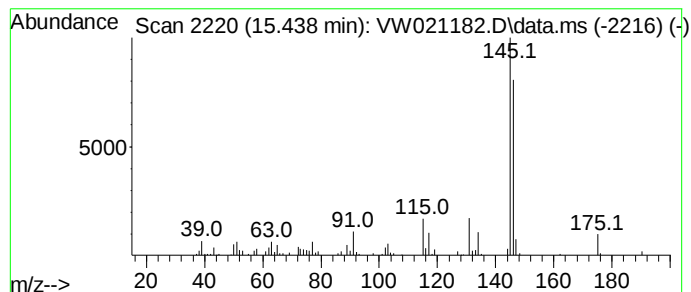
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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

Peak Number 16 1H-Benzimidazole, 2-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.438	7.79 ug/L	82766	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	59
2	1H-1,3-Benzodiazole-5-carbaldehyde	146	C8H6N2O	058442-17-4	59
3	Benzofuran, 4,7-dimethyl-	146	C10H10O	028715-26-6	58
4	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	53
5	Imidazo[1,2-a]pyridine-3-carbal...	146	C8H6N2O	006188-43-8	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021182.D
Acq On : 06 Dec 2021 21:13
Operator : SY/VA
Sample : M4888-09
Misc : 5.25g/10.0mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX8B4

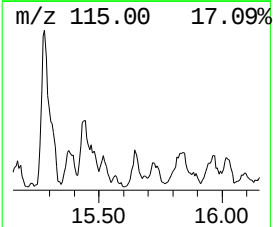
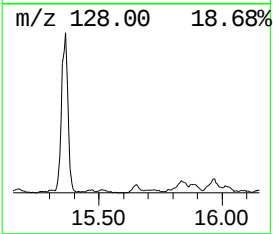
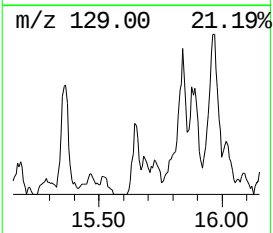
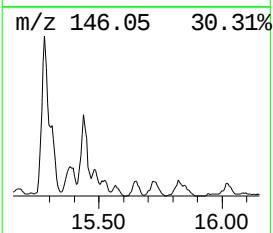
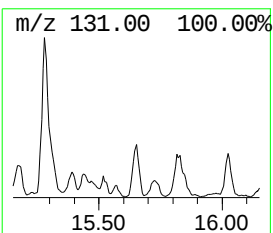
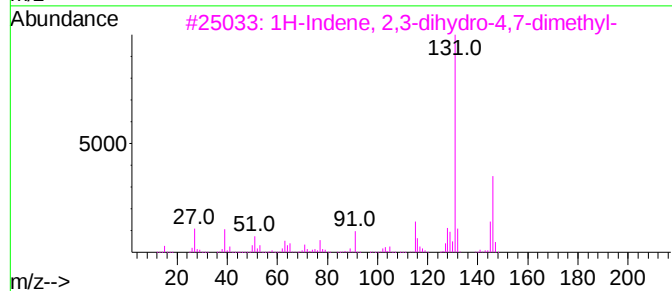
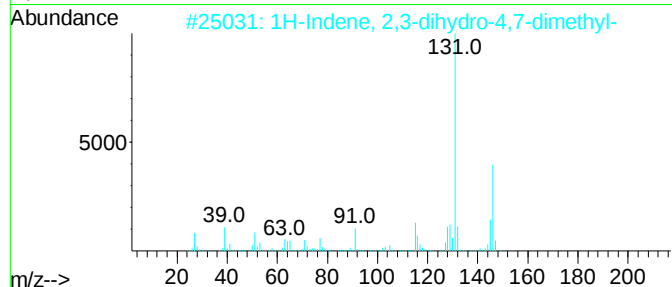
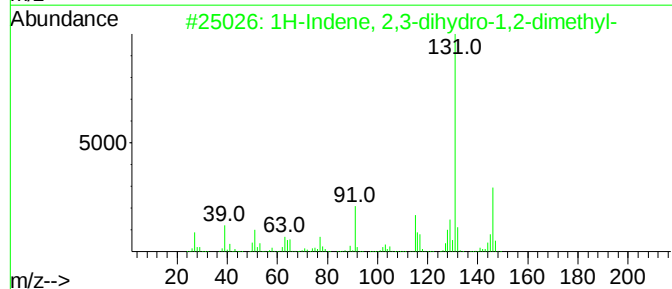
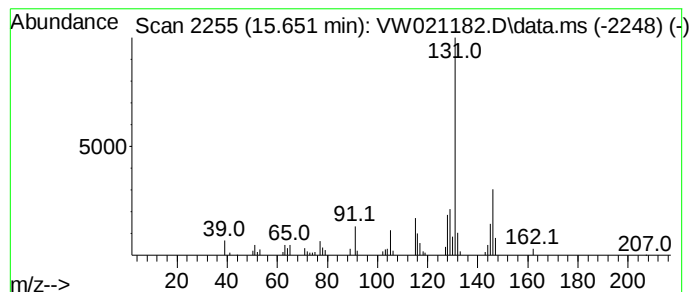
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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

Peak Number 17 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.652	2.92 ug/L	31048	1,4-Dichlorobenzene-d4	13.560

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
2		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90
3		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
4		1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	87
5		Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021182.D
Acq On : 06 Dec 2021 21:13
Operator : SY/VA
Sample : M4888-09
Misc : 5.25g/10.0mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX8B4

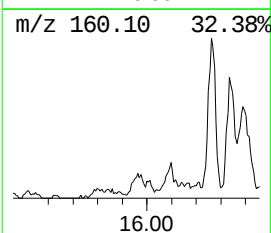
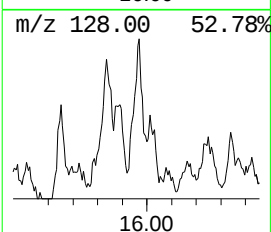
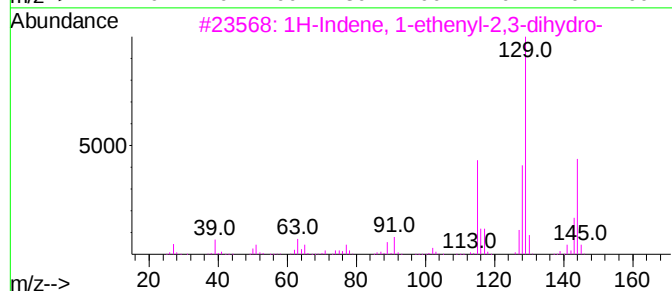
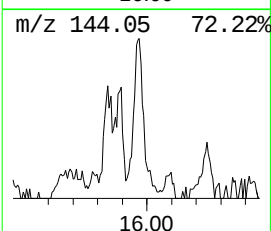
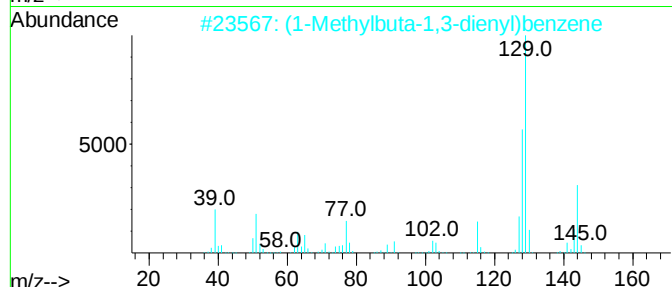
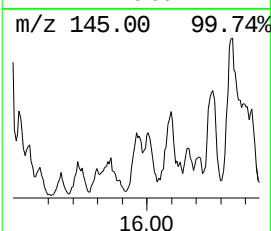
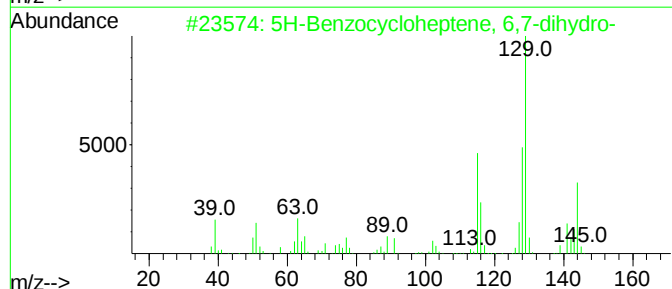
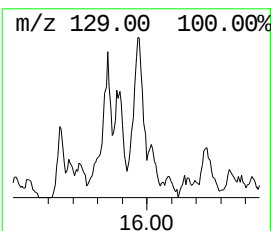
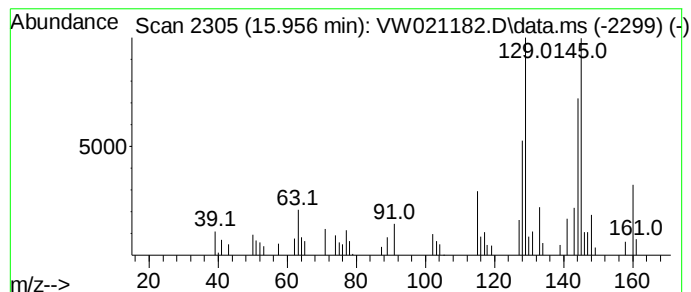
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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

Peak Number 18 5H-Benzocycloheptene, 6,7-d... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.956	3.16 ug/L	33553	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Benzocycloheptene, 6,7-dihydro-	144	C11H12	007125-62-4	55
2	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	55
3	1H-Indene, 1-ethenyl-2,3-dihydro-	144	C11H12	051783-46-1	50
4	2-Ethyl-1-H-indene	144	C11H12	017059-50-6	46
5	Benzene, (2-cyclopropylethenyl)-	144	C11H12	1000142-01-6	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021182.D
Acq On : 06 Dec 2021 21:13
Operator : SY/VA
Sample : M4888-09
Misc : 5.25g/10.0mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX8B4

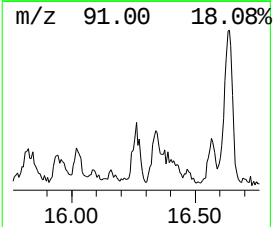
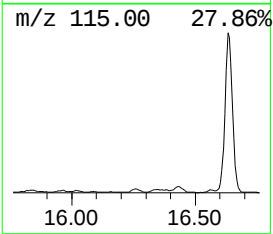
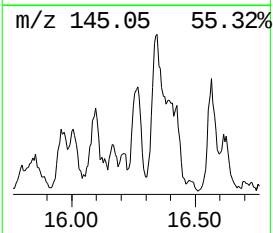
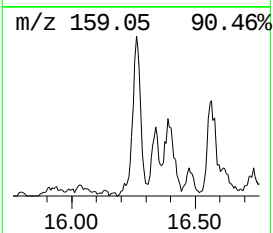
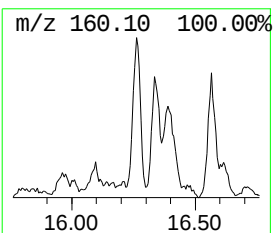
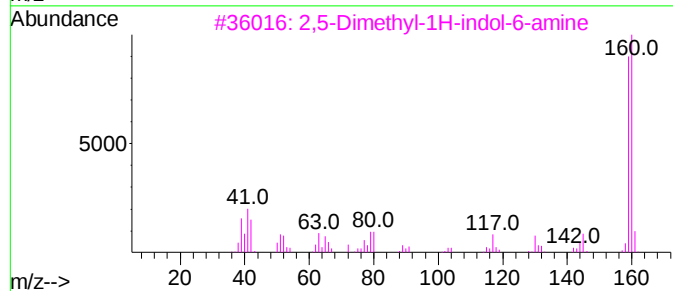
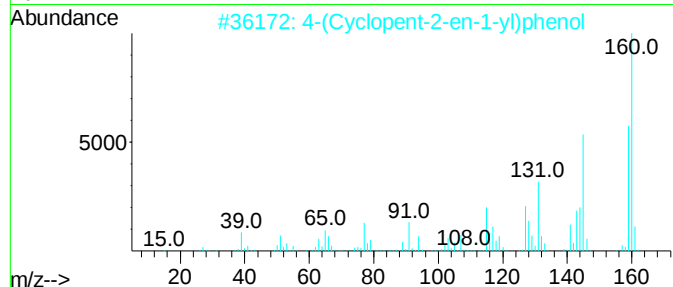
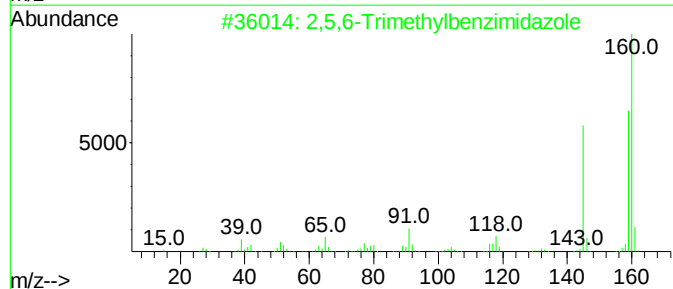
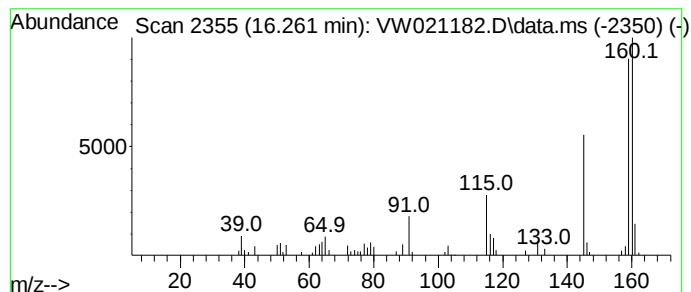
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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

Peak Number 19 2,5,6-Trimethylbenzimidazole Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.261	4.09 ug/L	43436	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5,6-Trimethylbenzimidazole	160	C10H12N2	003363-56-2	80
2	4-(Cyclopent-2-en-1-yl)phenol	160	C11H12O	006627-84-5	53
3	2,5-Dimethyl-1H-indol-6-amine	160	C10H12N2	1000410-59-3	53
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	43
5	Thiophene, 3-phenyl-	160	C10H8S	002404-87-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021182.D
Acq On : 06 Dec 2021 21:13
Operator : SY/VA
Sample : M4888-09
Misc : 5.25g/10.0mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX8B4

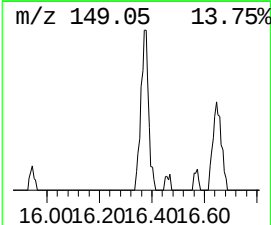
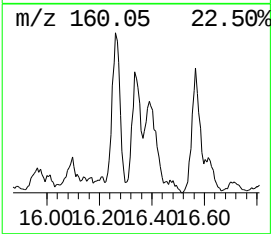
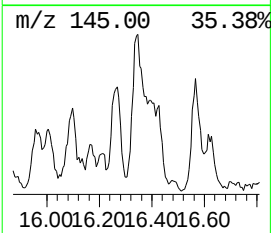
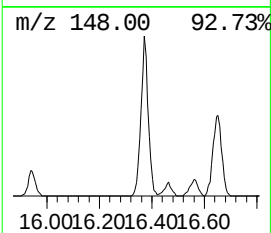
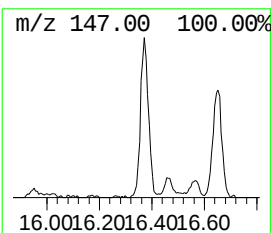
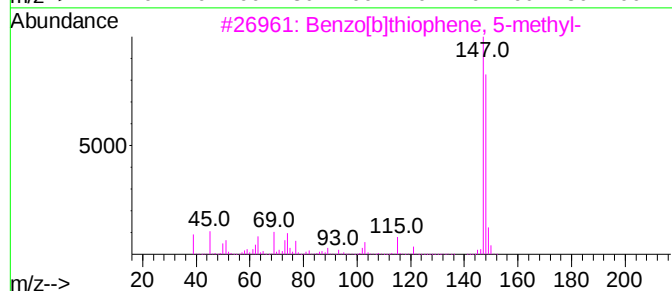
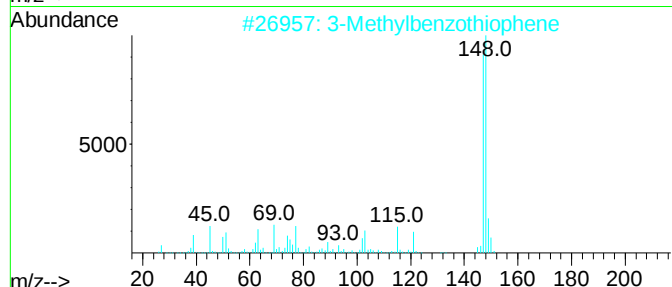
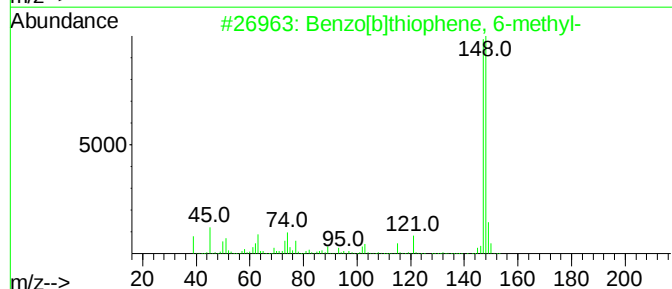
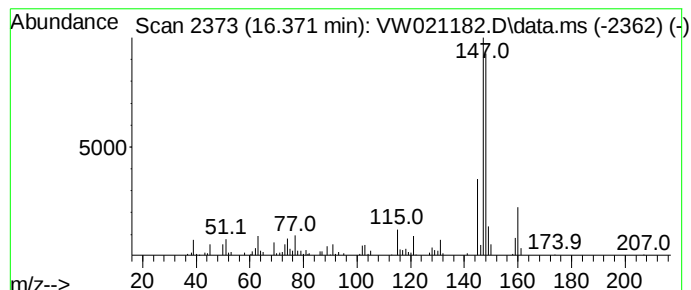
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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

Peak Number 20 Benzo[b]thiophene, 6-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.371	10.57 ug/L	112346	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	81
2	3-Methylbenzothiophene	148	C9H8S	001455-18-1	76
3	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	76
4	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	68
5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021182.D
Acq On : 06 Dec 2021 21:13
Operator : SY/VA
Sample : M4888-09
Misc : 5.25g/10.0mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX8B4

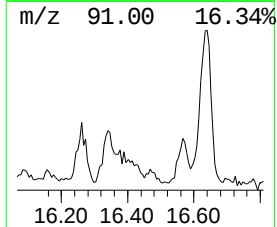
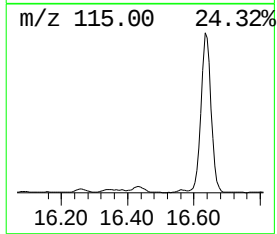
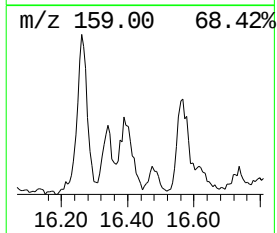
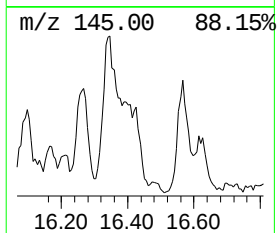
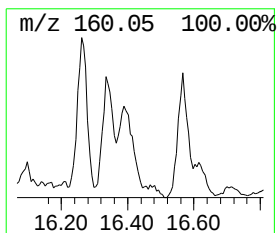
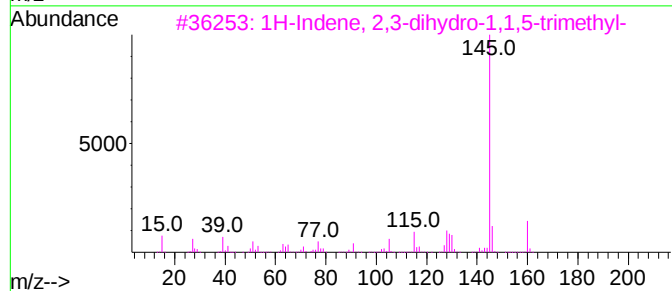
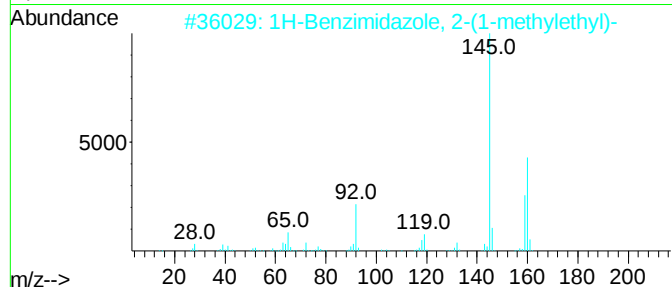
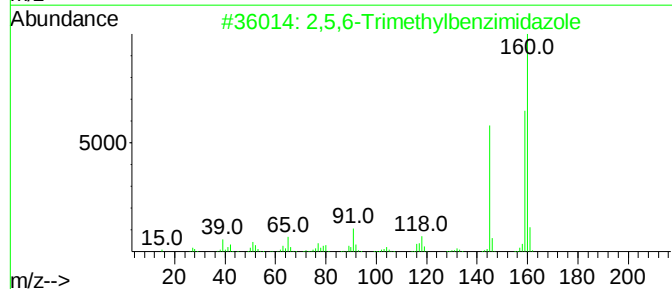
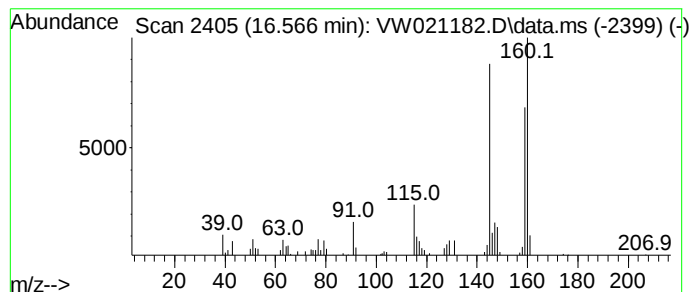
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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

Peak Number 21 1H-Benzimidazole, 2-(1-meth... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.566	3.59 ug/L	38163	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,5,6-Trimethylbenzimidazole	160	C10H12N2	003363-56-2	91
2			1H-Benzimidazole, 2-(1-methyleth...	160	C10H12N2	005851-43-4	72
3			1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	64
4			Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	64
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021182.D
Acq On : 06 Dec 2021 21:13
Operator : SY/VA
Sample : M4888-09
Misc : 5.25g/10.0mL/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX8B4

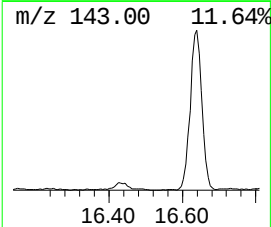
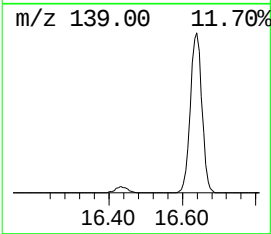
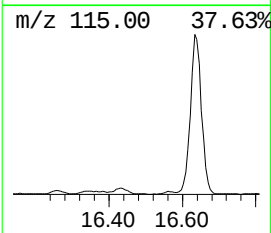
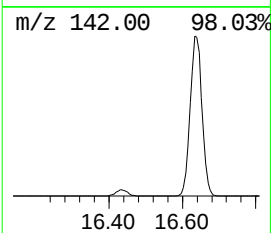
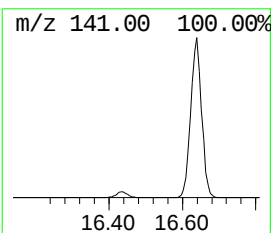
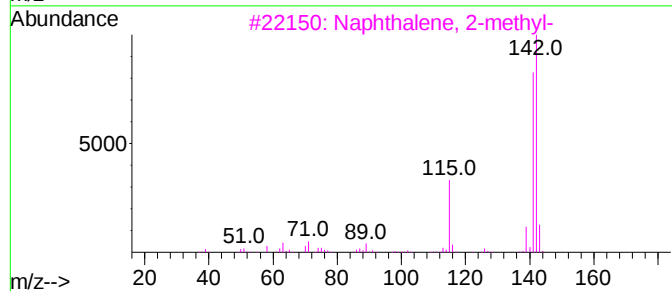
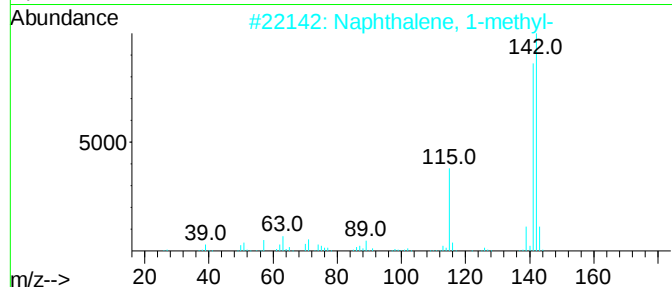
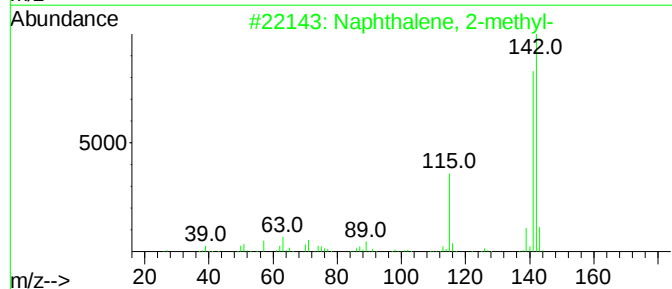
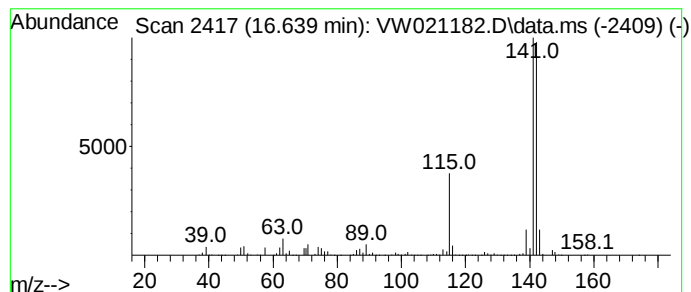
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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

Peak Number 22 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.639	104.36 ug/L	1109150	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
5			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
 Data File : VW021182.D
 Acq On : 06 Dec 2021 21:13
 Operator : SY/VA
 Sample : M4888-09
 Misc : 5.25g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EX8B4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
 Quant Title : SFAM01.0

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

TIC Top Hit name	RT	EstConc	Units	Response	---Internal Standard---			
					#	RT	Resp	Conc
1-Hexanol, 2-et...	13.646	1.3	ug/L	13891	3	13.560	265699	25.0
Benzene, 1,2,4,...	14.414	3.3	ug/L	35147	3	13.560	265699	25.0
Benzene, 1,2,3,...	14.457	2.2	ug/L	23266	3	13.560	265699	25.0
3-Phenylbut-1-ene	14.682	1.4	ug/L	14943	3	13.560	265699	25.0
1,3-Cyclopentad...	14.792	7.2	ug/L	76114	3	13.560	265699	25.0
Naphthalene, 1,...	14.865	1.5	ug/L	15958	3	13.560	265699	25.0
Benzene, 1-buty...	14.950	2.7	ug/L	28559	3	13.560	265699	25.0
Benzene, 1,3-di...	15.060	6.2	ug/L	65572	3	13.560	265699	25.0
1H-Indene, 2,3-...	15.170	2.1	ug/L	21863	3	13.560	265699	25.0
1H-Benzimidazol...	15.280	12.7	ug/L	134502	3	13.560	265699	25.0
Azulene	15.365	6.6	ug/L	70297	3	13.560	265699	25.0
1H-Benzimidazol...	15.438	7.8	ug/L	82766	3	13.560	265699	25.0
1H-Indene, 2,3-...	15.652	2.9	ug/L	31048	3	13.560	265699	25.0
5H-Benzocyclohe...	15.956	3.2	ug/L	33553	3	13.560	265699	25.0
2,5,6-Trimethyl...	16.261	4.1	ug/L	43436	3	13.560	265699	25.0
Benzo[b]thiophe...	16.371	10.6	ug/L	112346	3	13.560	265699	25.0
1H-Benzimidazol...	16.566	3.6	ug/L	38163	3	13.560	265699	25.0
Naphthalene, 1-...	16.639	104.4	ug/L	1109150	3	13.560	265699	25.0