

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
 Data File : VW021553.D
 Acq On : 22 Dec 2021 03:29
 Operator : SY/VA
 Sample : M5194-20
 Misc : 6.60g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGLD2

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

Signal : TIC: VW021553.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.794	144	146	148	rBV	71	91	0.51%	0.057%
2	2.897	159	163	169	rBB2	842	1552	8.78%	0.972%
3	4.025	342	348	358	rBB4	1782	4307	24.36%	2.697%
4	4.403	402	410	417	rBB2	926	2523	14.27%	1.580%
5	4.806	474	476	477	rBV2	121	93	0.53%	0.058%
6	4.915	490	494	503	rBB3	478	1286	7.27%	0.805%
7	5.129	528	529	531	rBB3	132	70	0.40%	0.044%
8	5.190	536	539	542	rBB	66	106	0.60%	0.066%
9	5.306	557	558	561	rBV	118	108	0.61%	0.068%
10	5.568	600	601	603	rBV	123	89	0.50%	0.056%
11	5.586	603	604	606	rVB	124	72	0.41%	0.045%
12	5.690	620	621	624	rBB	110	80	0.45%	0.050%
13	5.842	645	646	648	rBB	109	69	0.39%	0.043%
14	5.879	651	652	655	rBB	75	70	0.40%	0.044%
15	5.958	662	665	667	rBB	115	104	0.59%	0.065%
16	6.476	749	750	753	rBB	111	83	0.47%	0.052%
17	7.074	844	848	849	rBV	203	232	1.31%	0.145%
18	7.092	849	851	858	rVB	347	607	3.43%	0.380%
19	7.232	871	874	875	rBB	150	132	0.75%	0.083%
20	7.263	878	879	882	rBB	131	98	0.55%	0.061%
21	7.519	919	921	924	rBB	96	103	0.58%	0.064%
22	7.653	934	943	950	rBB	3371	7513	42.48%	4.704%
23	8.281	1038	1046	1056	rBV3	5795	17684	100.00%	11.073%
24	8.841	1132	1138	1146	rBB2	5465	10204	57.70%	6.389%
25	9.274	1203	1209	1217	rBB	4057	7824	44.24%	4.899%
26	9.354	1221	1222	1225	rBB	64	70	0.40%	0.044%
27	9.494	1243	1245	1247	rBB	71	69	0.39%	0.043%
28	10.042	1329	1335	1342	rBB2	1482	2775	15.69%	1.738%
29	10.323	1375	1381	1388	rBB	8184	14153	80.03%	8.862%
30	10.427	1391	1398	1405	rBB2	2342	4188	23.68%	2.622%
31	10.585	1418	1424	1429	rBB2	972	1466	8.29%	0.918%
32	10.646	1433	1434	1438	rBB2	88	98	0.55%	0.061%
33	10.707	1442	1444	1447	rBB	124	125	0.71%	0.078%
34	10.945	1479	1483	1485	rVB	172	223	1.26%	0.140%
35	11.335	1544	1547	1549	rBV	123	193	1.09%	0.121%
36	11.518	1576	1577	1579	rBV	103	85	0.48%	0.053%

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 Title : SFAM01.0

37	11.634	1590	1596	1603	rBB	8491	14139	79.95%	8.853%
38	11.737	1607	1613	1617	rBB	475	819	4.63%	0.513%
39	11.835	1624	1629	1637	rBB2	2143	3270	18.49%	2.047%
40	12.170	1678	1684	1687	rBB	425	696	3.94%	0.436%
41	12.237	1694	1695	1698	rBB	74	74	0.42%	0.046%
42	12.426	1723	1726	1729	rBB	158	174	0.98%	0.109%
43	12.505	1736	1739	1741	rBB	75	98	0.55%	0.061%
44	12.536	1742	1744	1746	rBB	126	110	0.62%	0.069%
45	12.591	1749	1753	1756	rBV	677	815	4.61%	0.510%
46	12.640	1759	1761	1765	rBV	115	182	1.03%	0.114%
47	12.694	1765	1770	1775	rVB2	3234	4846	27.40%	3.034%
48	12.743	1776	1778	1781	rBB2	78	75	0.42%	0.047%
49	12.859	1795	1797	1799	rBV2	210	192	1.09%	0.120%
50	12.896	1801	1803	1805	rVV	127	82	0.46%	0.051%
51	12.938	1807	1810	1814	rVV2	256	279	1.58%	0.175%
52	12.975	1814	1816	1820	rVB2	167	203	1.15%	0.127%
53	13.024	1823	1824	1827	rBB2	102	96	0.54%	0.060%
54	13.054	1828	1829	1830	rBV2	250	136	0.77%	0.085%
55	13.164	1842	1847	1854	rVB2	837	1344	7.60%	0.842%
56	13.225	1854	1857	1858	rBV2	117	117	0.66%	0.073%
57	13.249	1858	1861	1864	rBV2	296	389	2.20%	0.244%
58	13.304	1864	1870	1871	rBV3	418	703	3.98%	0.440%
59	13.402	1884	1886	1890	rBV3	355	427	2.41%	0.267%
60	13.457	1893	1895	1896	rVB3	163	117	0.66%	0.073%
61	13.469	1896	1897	1899	rBV3	306	191	1.08%	0.120%
62	13.511	1902	1904	1905	rVB3	156	101	0.57%	0.063%
63	13.560	1906	1912	1920	rBV	9515	15734	88.97%	9.852%
64	13.658	1924	1928	1929	rBV	289	268	1.52%	0.168%
65	13.725	1938	1939	1942	rBB	166	152	0.86%	0.095%
66	13.749	1942	1943	1946	rBB	273	221	1.25%	0.138%
67	13.786	1947	1949	1950	rBV	113	84	0.48%	0.053%
68	13.804	1950	1952	1954	rBV	71	79	0.45%	0.049%
69	13.853	1954	1960	1967	rBV2	8169	13193	74.60%	8.261%
70	14.030	1987	1989	1992	rBV2	345	420	2.38%	0.263%
71	14.054	1992	1993	1997	rVB2	419	324	1.83%	0.203%
72	14.164	2010	2011	2014	rVB2	177	130	0.74%	0.081%
73	14.225	2014	2021	2024	rBV2	301	864	4.89%	0.541%
74	14.249	2024	2025	2030	rVB2	408	517	2.92%	0.324%
75	14.310	2030	2035	2039	rBV3	510	909	5.14%	0.569%
76	14.347	2039	2041	2042	rBV3	251	225	1.27%	0.141%

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 Title : SFAM01.0

77	14.432	2053	2055	2056	rBV3	125	93	0.53%	0.058%
78	14.444	2056	2057	2060	rVV3	232	256	1.45%	0.160%
79	14.487	2062	2064	2065	rVV	196	160	0.90%	0.100%
80	14.548	2065	2074	2083	rVB6	2375	6723	38.02%	4.210%
81	14.651	2089	2091	2093	rBV2	386	400	2.26%	0.250%
82	14.749	2104	2107	2108	rBV	569	577	3.26%	0.361%
83	14.847	2121	2123	2124	rBV	294	162	0.92%	0.101%
84	14.865	2124	2126	2127	rBV2	303	189	1.07%	0.118%
85	15.036	2152	2154	2155	rBV2	147	107	0.61%	0.067%
86	15.109	2164	2166	2168	rBV	328	266	1.50%	0.167%
87	15.127	2168	2169	2170	rBV	245	142	0.80%	0.089%
88	15.261	2188	2191	2192	rVB2	390	337	1.91%	0.211%
89	15.273	2192	2193	2197	rVB	220	205	1.16%	0.128%
90	15.334	2200	2203	2204	rBV	499	456	2.58%	0.286%
91	15.365	2204	2208	2214	rVB	1869	2816	15.92%	1.763%
92	15.420	2214	2217	2218	rBV2	581	542	3.06%	0.339%
93	15.548	2237	2238	2241	rVB2	220	110	0.62%	0.069%
94	15.572	2241	2242	2245	rBV	187	211	1.19%	0.132%
95	15.633	2250	2252	2253	rBV	521	460	2.60%	0.288%
96	15.859	2288	2289	2291	rBV2	174	87	0.49%	0.054%
97	16.011	2312	2314	2315	rBV2	226	171	0.97%	0.107%
98	16.291	2357	2360	2361	rBV	173	159	0.90%	0.100%
99	16.438	2379	2384	2391	rVB3	1635	3477	19.66%	2.177%
100	16.614	2411	2413	2414	rBV	344	263	1.49%	0.165%

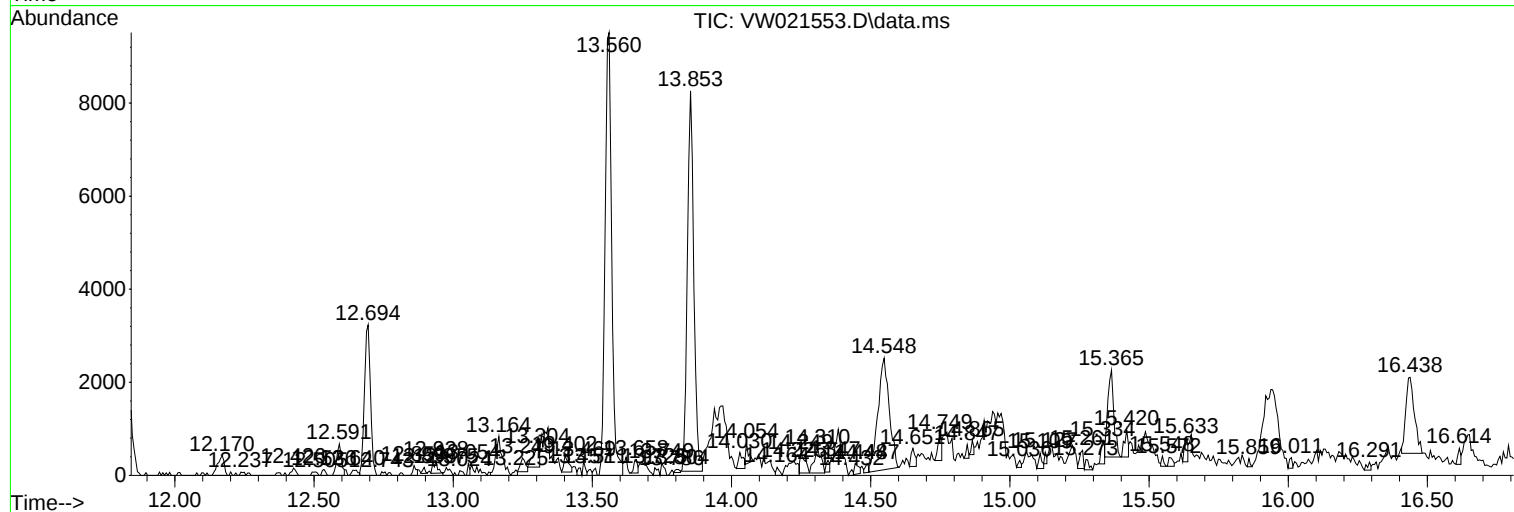
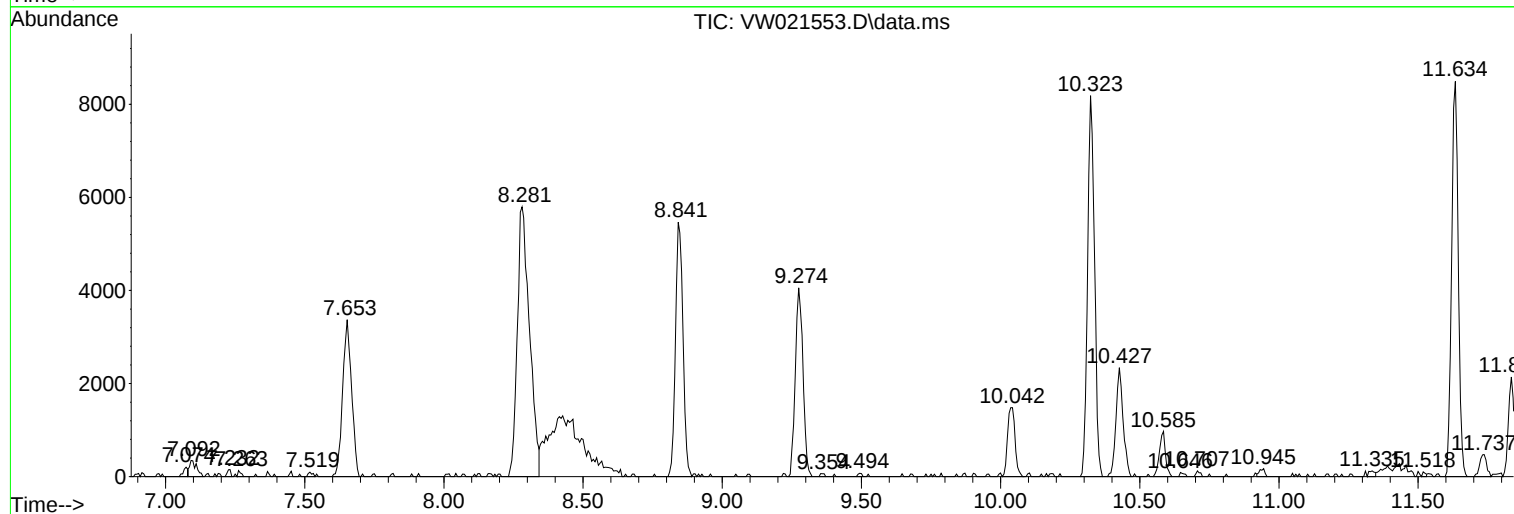
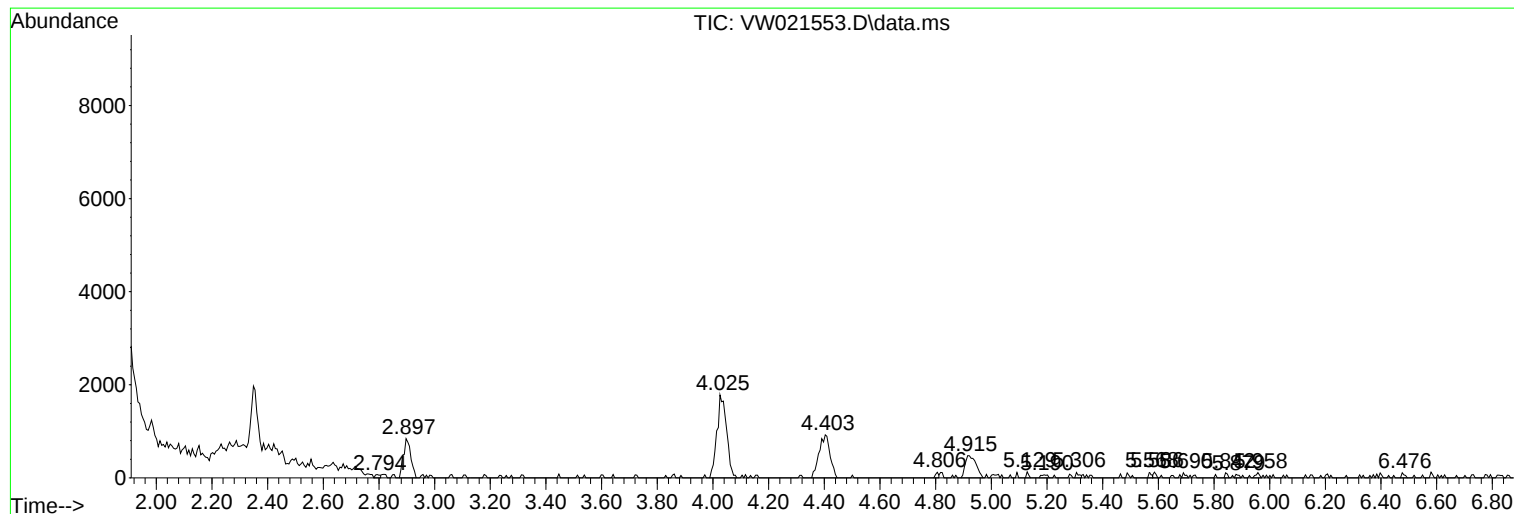
Sum of corrected areas: 159709

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ALS Vial : 45 Sample Multiplier: 1

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

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



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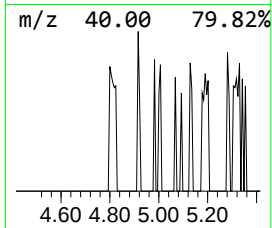
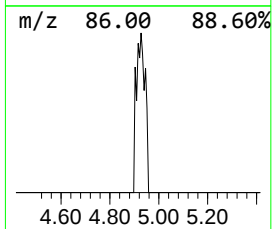
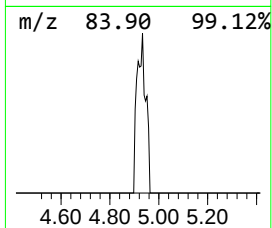
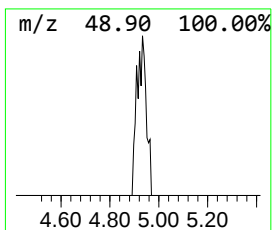
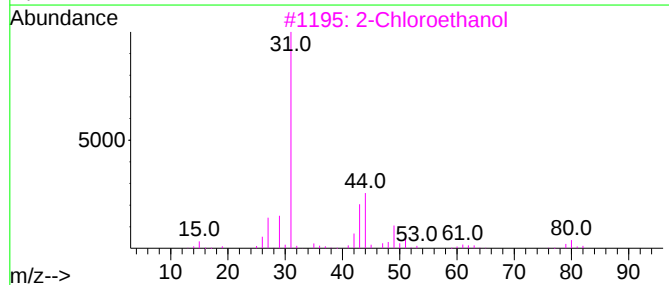
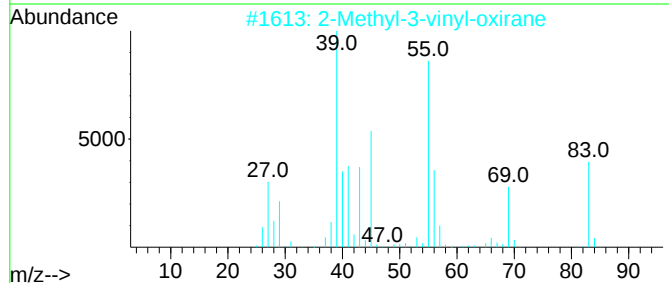
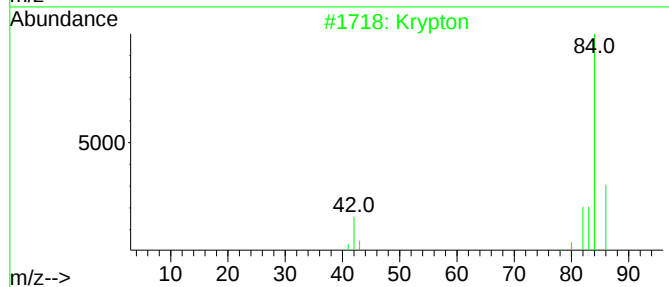
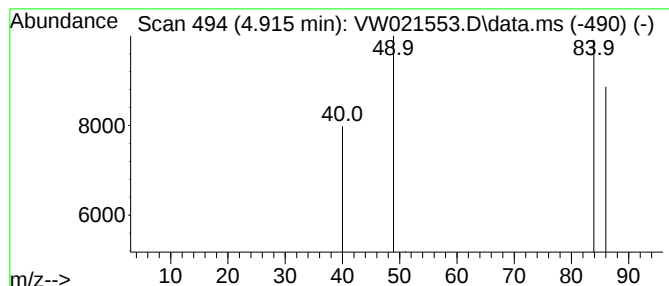
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.915	3.15 ug/L	1286	1,4-Difluorobenzene	8.841

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Krypton	84	Kr	007439-90-9	2
2			2-Methyl-3-vinyl-oxirane	84	C5H8O	006790-37-0	1
3			2-Chloroethanol	80	C2H5ClO	000107-07-3	1
4			Difluorochloromethane	86	CHClF2	000075-45-6	1
5			Difluorochloromethane	86	CHClF2	000075-45-6	1



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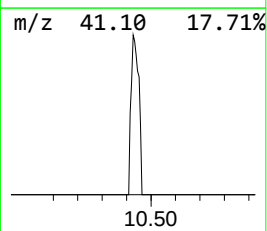
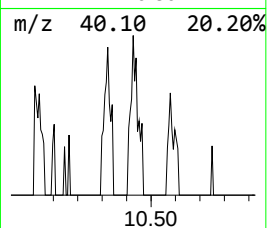
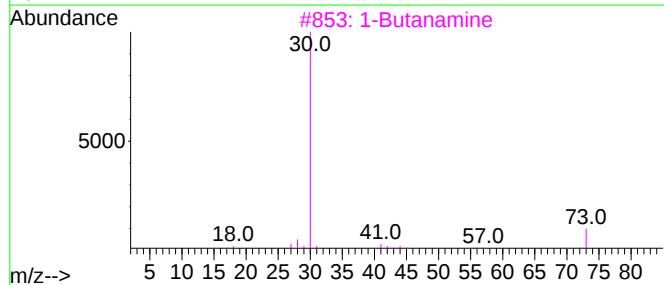
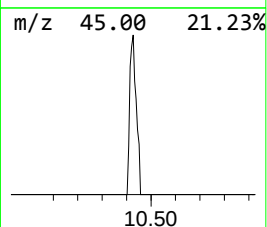
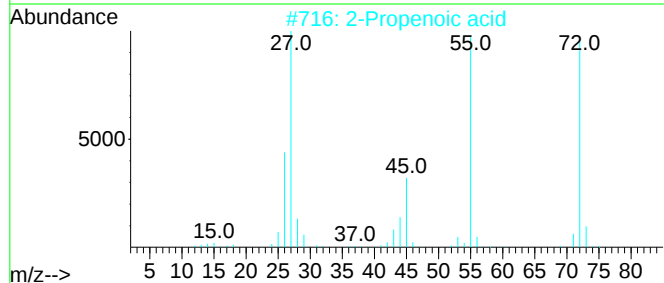
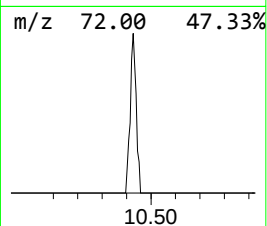
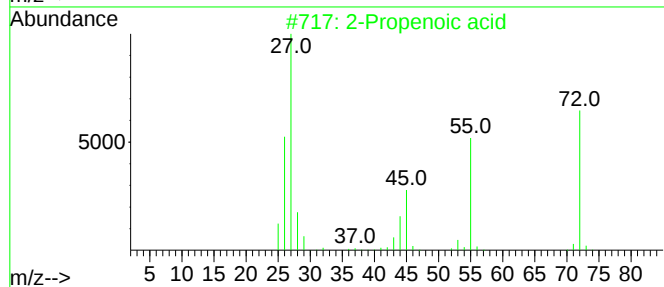
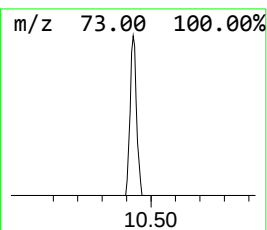
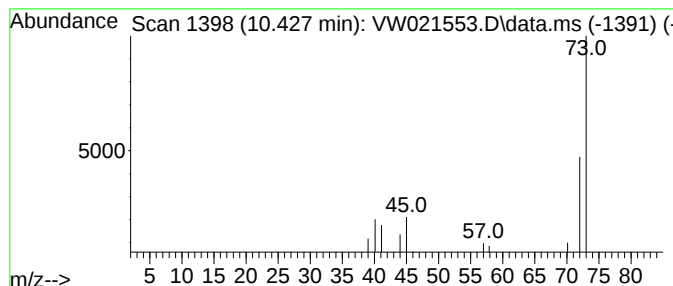
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 unknown-02 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.427	7.41 ug/L	4188	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid			72	C3H4O2	000079-10-7	7
2	2-Propenoic acid			72	C3H4O2	000079-10-7	5
3	1-Butanamine			73	C4H11N	000109-73-9	4
4	2-Propenoic acid			72	C3H4O2	000079-10-7	4
5	Hydrazine, 2-propenyl-			72	C3H8N2	007422-78-8	4



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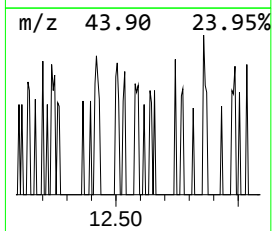
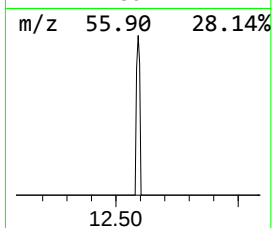
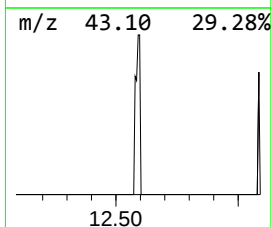
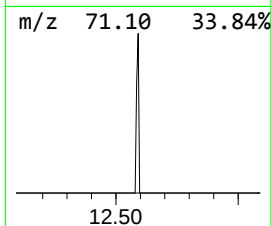
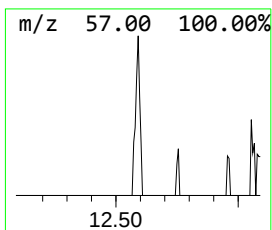
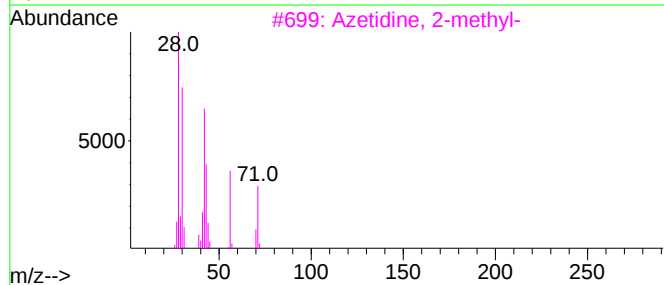
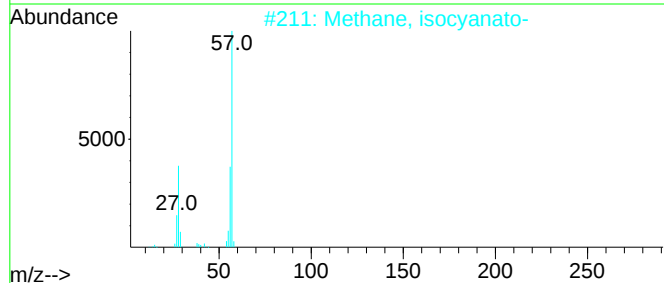
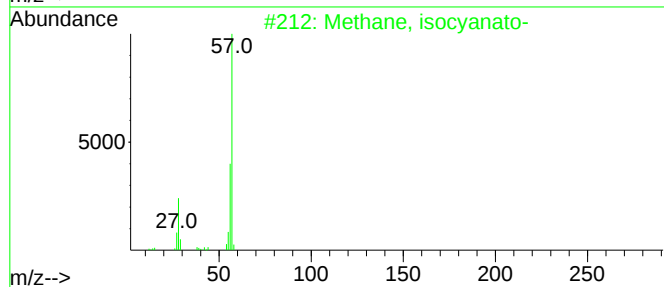
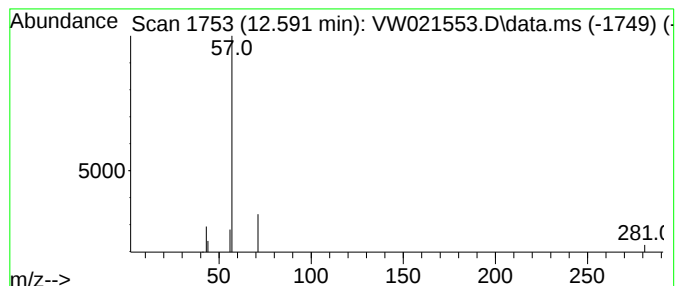
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 unknown-03 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.591	1.44 ug/L	815	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Methane, isocyanato-	57	C2H3NO	000624-83-9	4
2			Methane, isocyanato-	57	C2H3NO	000624-83-9	4
3			Azetidine, 2-methyl-	71	C4H9N	019812-49-8	3
4			2-Propen-1-amine	57	C3H7N	000107-11-9	2
5			Dodecane, 1-fluoro-	188	C12H25F	000334-68-9	2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021553.D
Acq On : 22 Dec 2021 03:29
Operator : SY/VA
Sample : M5194-20
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD2

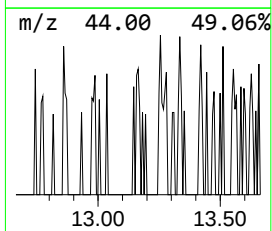
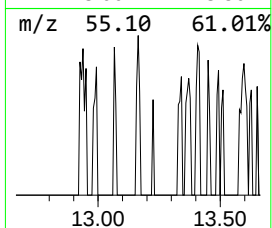
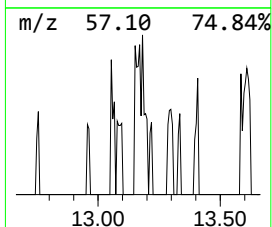
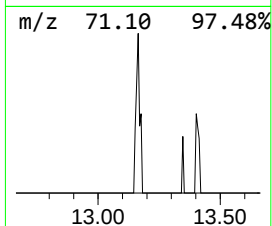
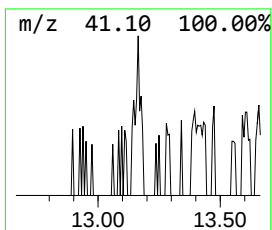
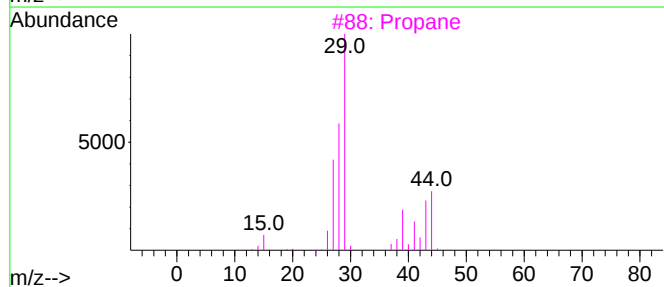
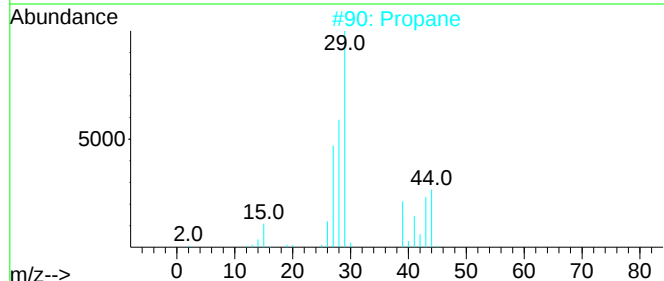
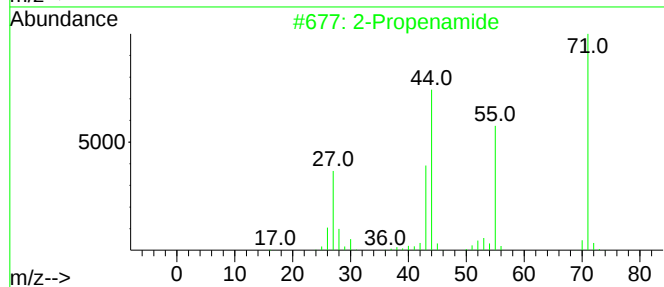
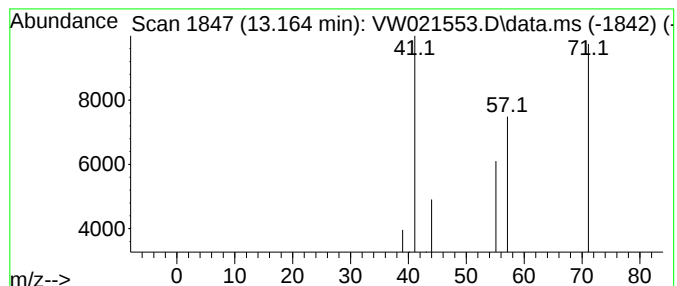
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Quant Title : SFAM01.0

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

Peak Number 5 unknown-04 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	2.14 ug/L	1344	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Propenamide	71	C3H5NO	000079-06-1	9
2			Propane	44	C3H8	000074-98-6	4
3			Propane	44	C3H8	000074-98-6	4
4			2-Propenamide	71	C3H5NO	000079-06-1	4
5			Acetaldehyde	44	C2H4O	000075-07-0	4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021553.D
Acq On : 22 Dec 2021 03:29
Operator : SY/VA
Sample : M5194-20
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD2

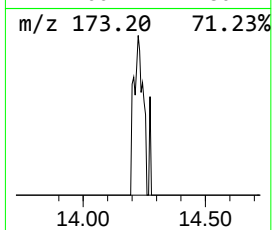
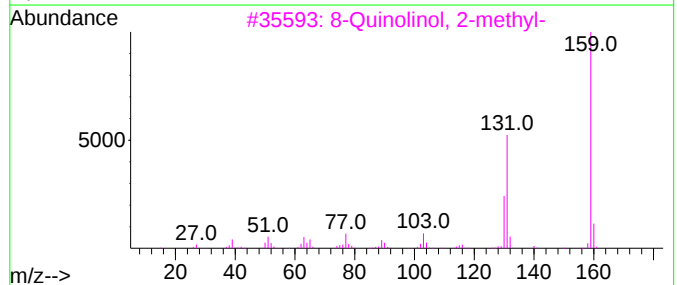
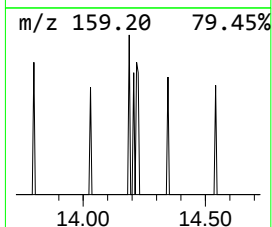
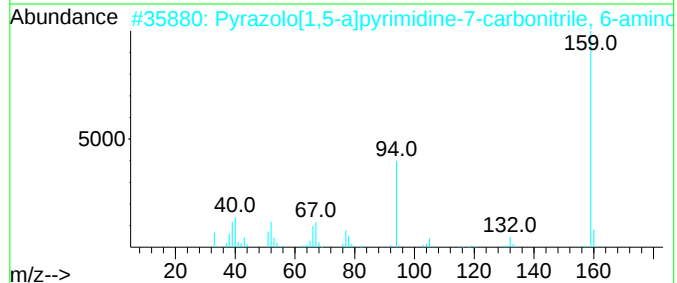
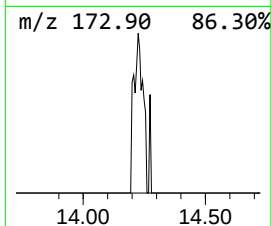
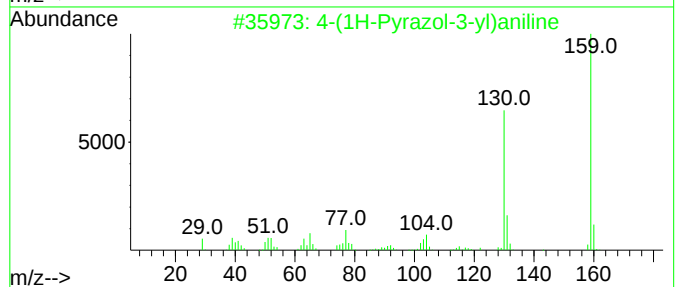
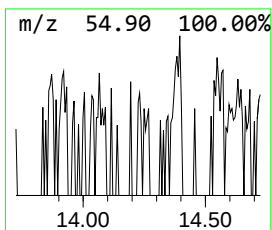
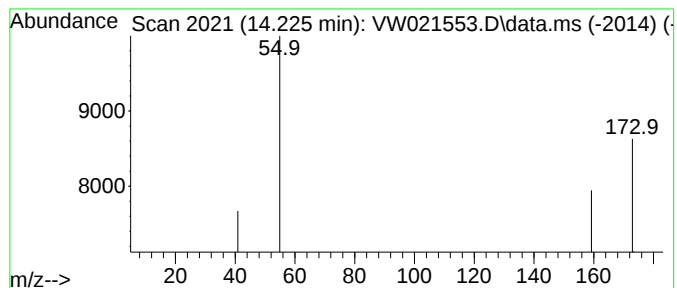
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Quant Title : SFAM01.0

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

Peak Number 6 unknown-05 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.225	1.37 ug/L	864	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-(1H-Pyrazol-3-yl)aniline	159	C9H9N3	089260-45-7	2
2			Pyrazolo[1,5-a]pyrimidine-7-carb...	159	C7H5N5	1000267-04-4	2
3			8-Quinolinol, 2-methyl-	159	C10H9NO	000826-81-3	2
4			Phenol, 4-(1H-pyrrol-1-yl)-	159	C10H9NO	023351-09-9	2
5			4-Quinolinol, 2-methyl-	159	C10H9NO	000607-67-0	2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021553.D
Acq On : 22 Dec 2021 03:29
Operator : SY/VA
Sample : M5194-20
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD2

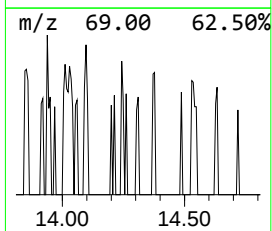
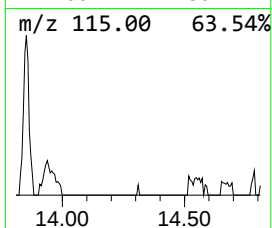
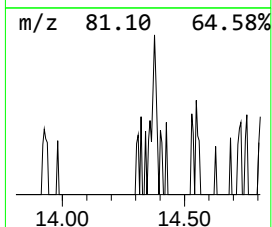
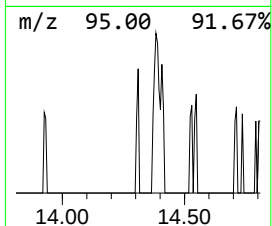
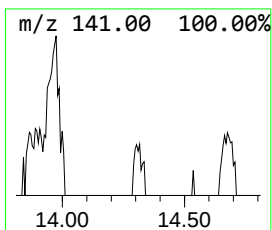
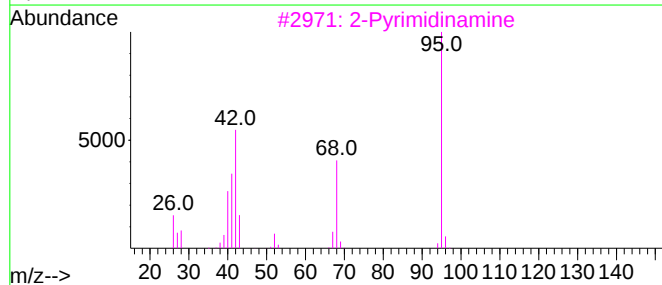
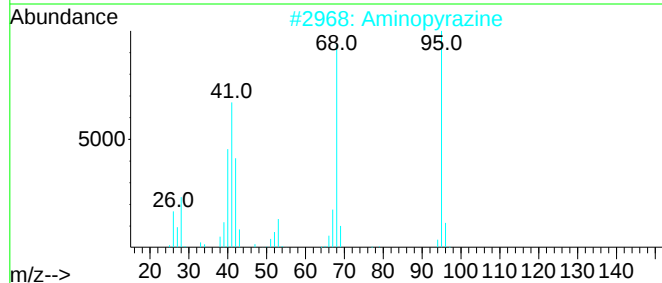
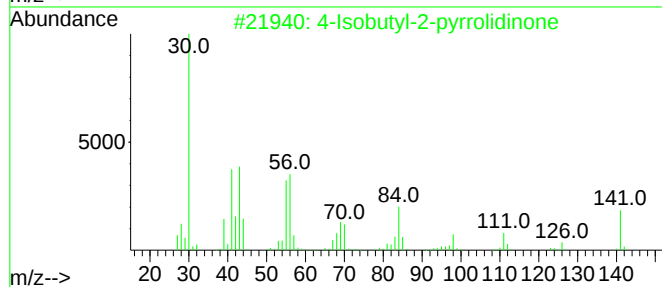
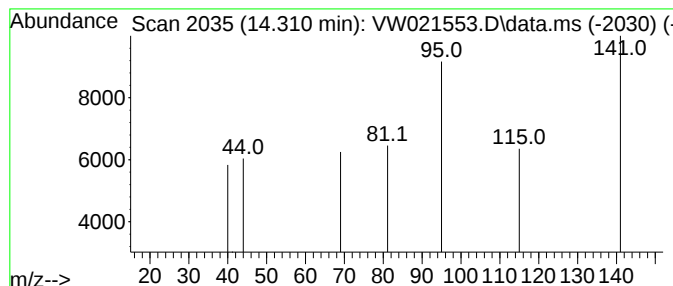
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Quant Title : SFAM01.0

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

Peak Number 7 unknown-06 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.310	1.44 ug/L	909	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Isobutyl-2-pyrrolidinone	141	C8H15NO	061312-87-6	5
2			Aminopyrazine	95	C4H5N3	005049-61-6	5
3			2-Pyrimidinamine	95	C4H5N3	000109-12-6	4
4			2-Amino-1-(thiophen-2-yl)ethanone	141	C6H7NOS	313276-47-0	3
5			4-Pyridinol	95	C5H5NO	000626-64-2	2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021553.D
Acq On : 22 Dec 2021 03:29
Operator : SY/VA
Sample : M5194-20
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD2

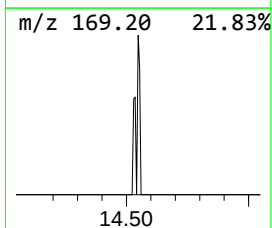
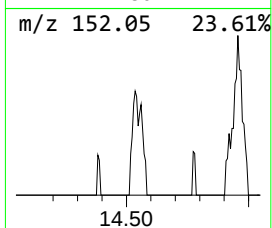
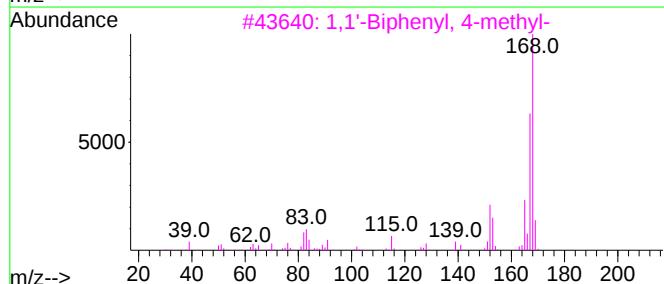
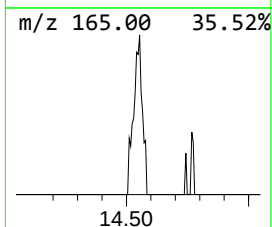
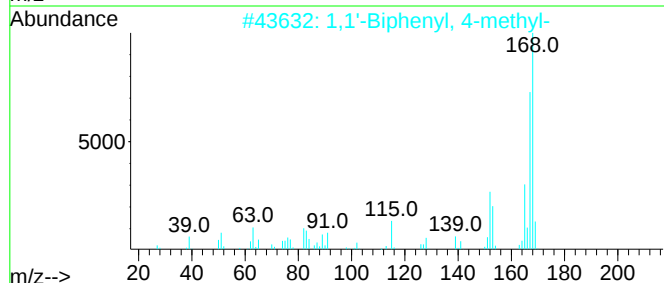
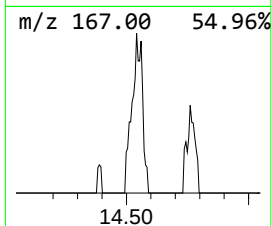
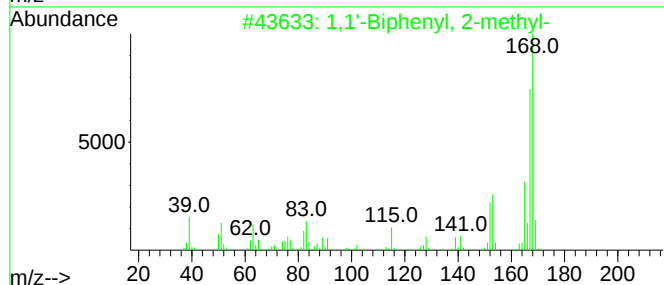
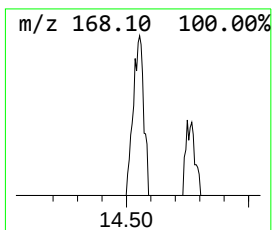
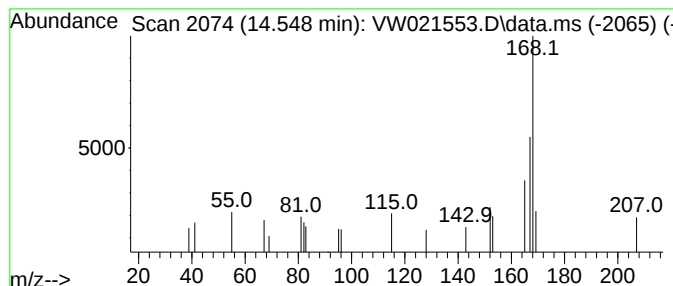
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Quant Title : SFAM01.0

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

Peak Number 8 1,1'-Biphenyl, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.548	10.68 ug/L	6723	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58		
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	53		
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	52		
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	52		
5	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	50		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021553.D
Acq On : 22 Dec 2021 03:29
Operator : SY/VA
Sample : M5194-20
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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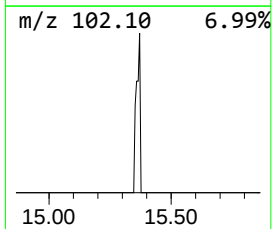
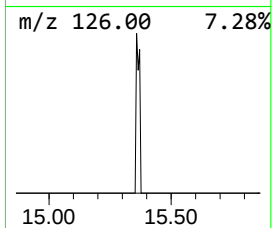
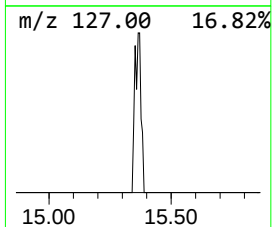
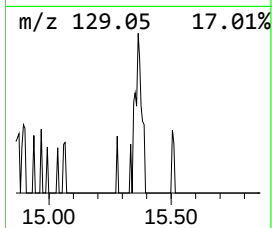
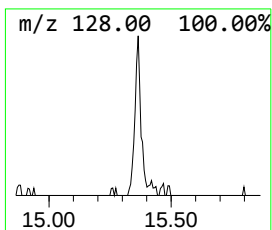
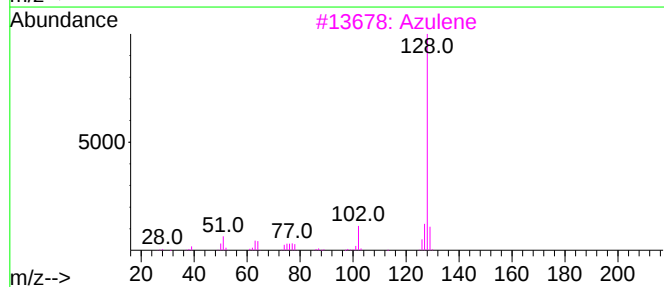
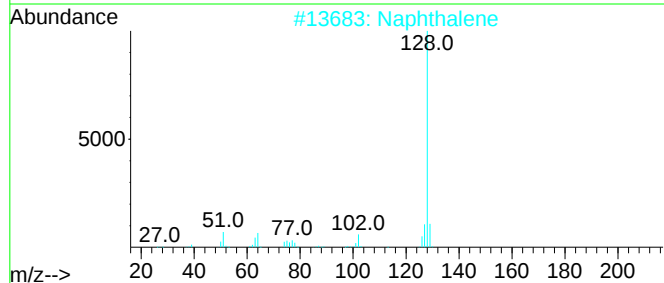
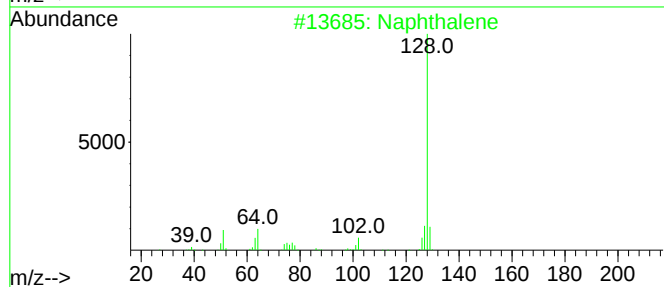
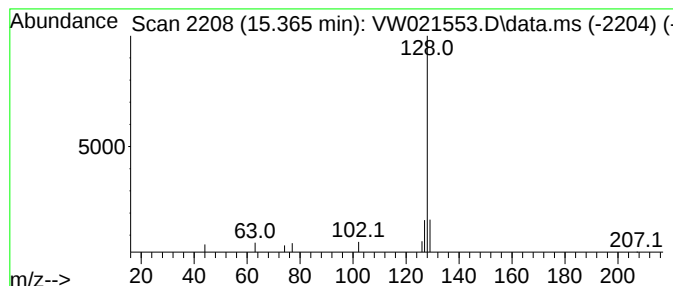
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Quant Title : SFAM01.0

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

Peak Number 9 Azulene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.365	4.47 ug/L	2816	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene	128	C10H8	000091-20-3	83
2			Naphthalene	128	C10H8	000091-20-3	83
3			Azulene	128	C10H8	000275-51-4	78
4			Naphthalene	128	C10H8	000091-20-3	74
5			m-Fluorothiophenol	128	C6H5FS	002557-77-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021553.D
Acq On : 22 Dec 2021 03:29
Operator : SY/VA
Sample : M5194-20
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD2

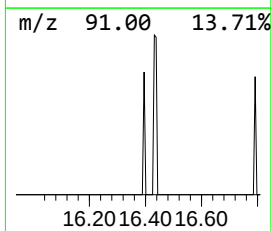
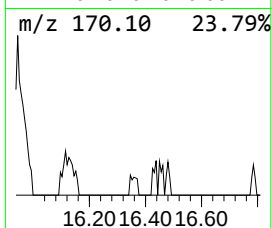
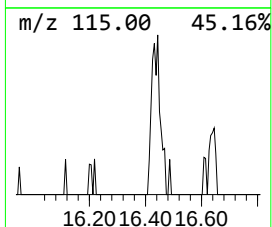
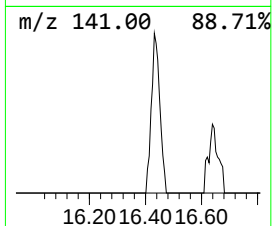
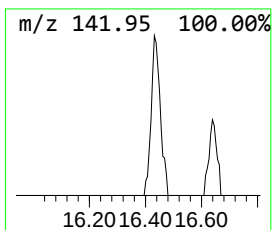
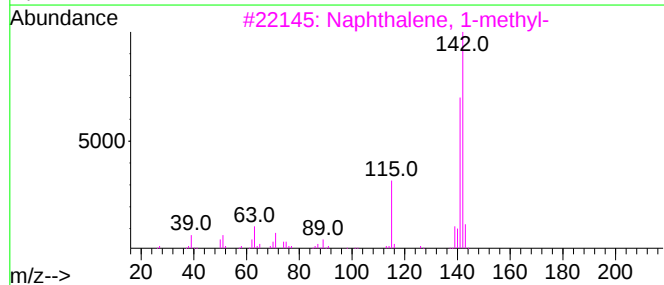
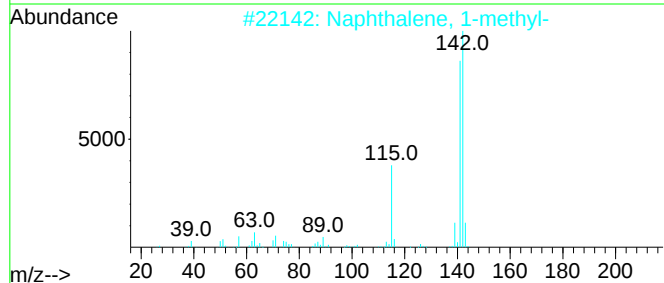
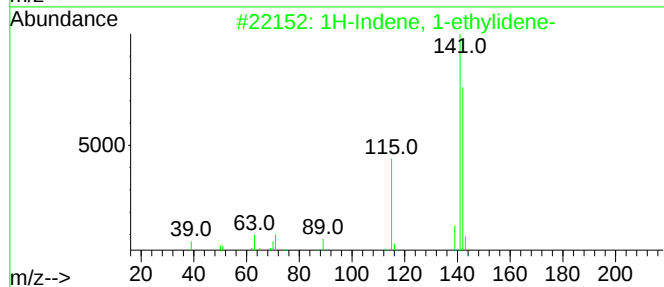
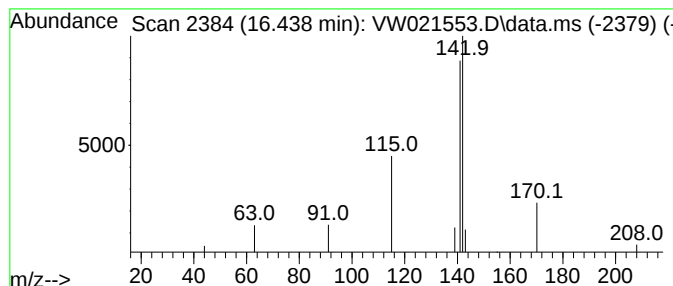
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Quant Title : SFAM01.0

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

Peak Number 10 1H-Indene, 1-ethylidene- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.438	5.52 ug/L	3477	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	86
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	86
3			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	86
4			Benzocycloheptatriene	142	C11H10	000264-09-5	86
5			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021553.D
Acq On : 22 Dec 2021 03:29
Operator : SY/VA
Sample : M5194-20
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD2

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

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

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					#	RT	Resp	Conc
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unknown-02	10.427	7.4	ug/L	4188	2	11.628	14139	25.0
unknown-03	12.591	1.4	ug/L	815	2	11.628	14139	25.0
unknown-04	13.164	2.1	ug/L	1344	3	13.560	15734	25.0
unknown-05	14.225	1.4	ug/L	864	3	13.560	15734	25.0
unknown-06	14.310	1.4	ug/L	909	3	13.560	15734	25.0
1,1'-Biphenyl, ...	14.548	10.7	ug/L	6723	3	13.560	15734	25.0
Azulene	15.365	4.5	ug/L	2816	3	13.560	15734	25.0
1H-Indene, 1-et...	16.438	5.5	ug/L	3477	3	13.560	15734	25.0