

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
 Data File : VW021167.D
 Acq On : 06 Dec 2021 14:21
 Operator : SY/VA
 Sample : M4885-02
 Misc : 4.90g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW9K9

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: VW021167.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.148	38	40	43	rBV2	431	457	0.08%	0.009%
2	2.215	47	51	52	rBV	292	312	0.06%	0.006%
3	2.349	67	73	80	rVB	55822	86737	15.86%	1.764%
4	2.879	152	160	174	rVB	26220	56115	10.26%	1.141%
5	3.373	240	241	247	rVB3	240	349	0.06%	0.007%
6	3.586	273	276	279	rVB	142	167	0.03%	0.003%
7	4.013	335	346	361	rBV	67332	200154	36.59%	4.070%
8	4.257	381	386	387	rBV3	364	527	0.10%	0.011%
9	4.385	400	407	409	rBV2	1302	2451	0.45%	0.050%
10	4.909	483	493	507	rBB2	4341	14137	2.58%	0.287%
11	5.031	512	513	517	rVB	154	165	0.03%	0.003%
12	5.111	520	526	527	rBV2	332	509	0.09%	0.010%
13	5.153	531	533	537	rVV4	140	211	0.04%	0.004%
14	5.348	560	565	567	rBV	137	258	0.05%	0.005%
15	5.799	637	639	642	rVB	157	192	0.04%	0.004%
16	5.842	642	646	648	rBB	128	193	0.04%	0.004%
17	5.927	655	660	661	rBV2	771	933	0.17%	0.019%
18	6.123	689	692	693	rBV	152	168	0.03%	0.003%
19	6.281	715	718	722	rVB	156	238	0.04%	0.005%
20	6.324	722	725	728	rBB	141	185	0.03%	0.004%
21	6.677	780	783	787	rBB	122	167	0.03%	0.003%
22	6.964	828	830	833	rBV	142	164	0.03%	0.003%
23	7.074	839	848	854	rBV	14624	39787	7.27%	0.809%
24	7.141	856	859	868	rVB	10580	23571	4.31%	0.479%
25	7.250	875	877	880	rVB2	239	184	0.03%	0.004%
26	7.360	894	895	898	rVB2	233	198	0.04%	0.004%
27	7.482	911	915	916	rVB	187	202	0.04%	0.004%
28	7.506	916	919	923	rBB	189	206	0.04%	0.004%
29	7.647	930	942	955	rVV	91955	228232	41.72%	4.641%
30	7.860	974	977	979	rBB	152	178	0.03%	0.004%
31	8.275	1033	1045	1060	rBV2	181941	547037	100.00%	11.123%
32	8.494	1080	1081	1085	rVV3	369	357	0.07%	0.007%
33	8.525	1085	1086	1090	rVB2	320	166	0.03%	0.003%
34	8.683	1111	1112	1115	rBB2	183	183	0.03%	0.004%
35	8.842	1129	1138	1152	rBB	174618	354037	64.72%	7.199%
36	9.092	1171	1179	1185	rVB5	4951	10190	1.86%	0.207%

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 Title : SFAM01.0

37	9.274	1201	1209	1218	rBV	122209	241178	44.09%	4.904%
38	9.591	1256	1261	1264	rBB	173	170	0.03%	0.003%
39	9.634	1265	1268	1271	rBV	117	215	0.04%	0.004%
40	9.665	1271	1273	1276	rVV	233	239	0.04%	0.005%
41	9.976	1321	1324	1325	rVB2	233	167	0.03%	0.003%
42	10.036	1325	1334	1344	rBV	68128	123729	22.62%	2.516%
43	10.207	1357	1362	1369	rBV3	1142	2214	0.40%	0.045%
44	10.256	1369	1370	1373	rVV2	176	227	0.04%	0.005%
45	10.323	1373	1381	1388	rVV	288188	491497	89.85%	9.994%
46	10.384	1388	1391	1398	rVV	4725	8176	1.49%	0.166%
47	10.433	1398	1399	1402	rVV	315	323	0.06%	0.007%
48	10.475	1402	1406	1408	rVV2	310	464	0.08%	0.009%
49	10.506	1408	1411	1414	rVV3	360	490	0.09%	0.010%
50	10.579	1416	1423	1432	rVV	45334	77125	14.10%	1.568%
51	10.646	1432	1434	1436	rVB2	368	292	0.05%	0.006%
52	10.701	1437	1443	1456	rVB2	10534	18479	3.38%	0.376%
53	10.860	1464	1469	1474	rBV3	4157	6554	1.20%	0.133%
54	10.920	1474	1479	1492	rVB	62498	101963	18.64%	2.073%
55	11.061	1497	1502	1508	rBV	9740	16266	2.97%	0.331%
56	11.146	1515	1516	1519	rBV	142	187	0.03%	0.004%
57	11.177	1519	1521	1523	rVB	252	217	0.04%	0.004%
58	11.195	1523	1524	1526	rBV	314	246	0.04%	0.005%
59	11.244	1528	1532	1534	rBV2	270	394	0.07%	0.008%
60	11.439	1559	1564	1568	rBV	11249	20335	3.72%	0.413%
61	11.628	1589	1595	1602	rBV	268446	462361	84.52%	9.402%
62	12.115	1672	1675	1679	rVB5	433	437	0.08%	0.009%
63	12.176	1679	1685	1688	rVB3	496	1051	0.19%	0.021%
64	12.237	1693	1695	1697	rVB2	409	288	0.05%	0.006%
65	12.274	1699	1701	1703	rVB2	226	187	0.03%	0.004%
66	12.371	1710	1717	1718	rBV3	240	483	0.09%	0.010%
67	12.402	1719	1722	1723	rBV2	175	212	0.04%	0.004%
68	12.463	1730	1732	1736	rVB2	633	620	0.11%	0.013%
69	12.536	1743	1744	1747	rVB3	280	190	0.03%	0.004%
70	12.603	1747	1755	1763	rVB2	40964	63807	11.66%	1.297%
71	12.688	1763	1769	1776	rBV	100647	163404	29.87%	3.323%
72	12.756	1776	1780	1782	rBV5	804	1131	0.21%	0.023%
73	12.859	1785	1797	1799	rBV4	9697	26040	4.76%	0.529%
74	13.079	1829	1833	1835	rBV3	581	763	0.14%	0.016%
75	13.194	1848	1852	1856	rBV4	1053	1629	0.30%	0.033%
76	13.298	1856	1869	1883	rBV5	21487	102828	18.80%	2.091%

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 Title : SFAM01.0

77	13.450	1884	1894	1904	rVB4	11670	47655	8.71%	0.969%
78	13.554	1905	1911	1918	rBV	321720	511938	93.58%	10.410%
79	13.853	1952	1960	1967	rBV	253639	433730	79.29%	8.819%
80	14.066	1990	1995	2003	rVB	15299	24439	4.47%	0.497%
81	14.292	2030	2032	2033	rBV	2230	1932	0.35%	0.039%
82	14.725	2099	2103	2105	rBV4	3079	4708	0.86%	0.096%
83	14.950	2133	2140	2152	rVB4	12856	39049	7.14%	0.794%
84	15.066	2154	2159	2167	rVB8	2198	5308	0.97%	0.108%
85	15.164	2173	2175	2182	rVB5	1524	1981	0.36%	0.040%
86	15.359	2201	2207	2213	rBV2	7520	13758	2.52%	0.280%
87	15.432	2213	2219	2222	rVV3	6992	12711	2.32%	0.258%
88	15.487	2222	2228	2236	rVB2	22573	47564	8.69%	0.967%
89	15.633	2241	2252	2270	rVB3	31927	129212	23.62%	2.627%
90	15.767	2270	2274	2275	rBV3	423	430	0.08%	0.009%
91	15.840	2282	2286	2288	rBV4	802	909	0.17%	0.018%
92	15.938	2290	2302	2319	rVB5	7909	34715	6.35%	0.706%
93	16.121	2321	2332	2345	rBV4	6517	22780	4.16%	0.463%
94	16.212	2345	2347	2350	rVB2	351	313	0.06%	0.006%
95	16.261	2354	2355	2356	rBV	381	218	0.04%	0.004%
96	16.340	2362	2368	2369	rBV3	1600	2181	0.40%	0.044%
97	16.438	2375	2384	2396	rVB3	18263	53110	9.71%	1.080%
98	16.639	2411	2417	2429	rVB2	9909	21807	3.99%	0.443%
99	16.749	2429	2435	2436	rBV2	536	844	0.15%	0.017%
100	16.767	2436	2438	2440	rBV3	628	740	0.14%	0.015%

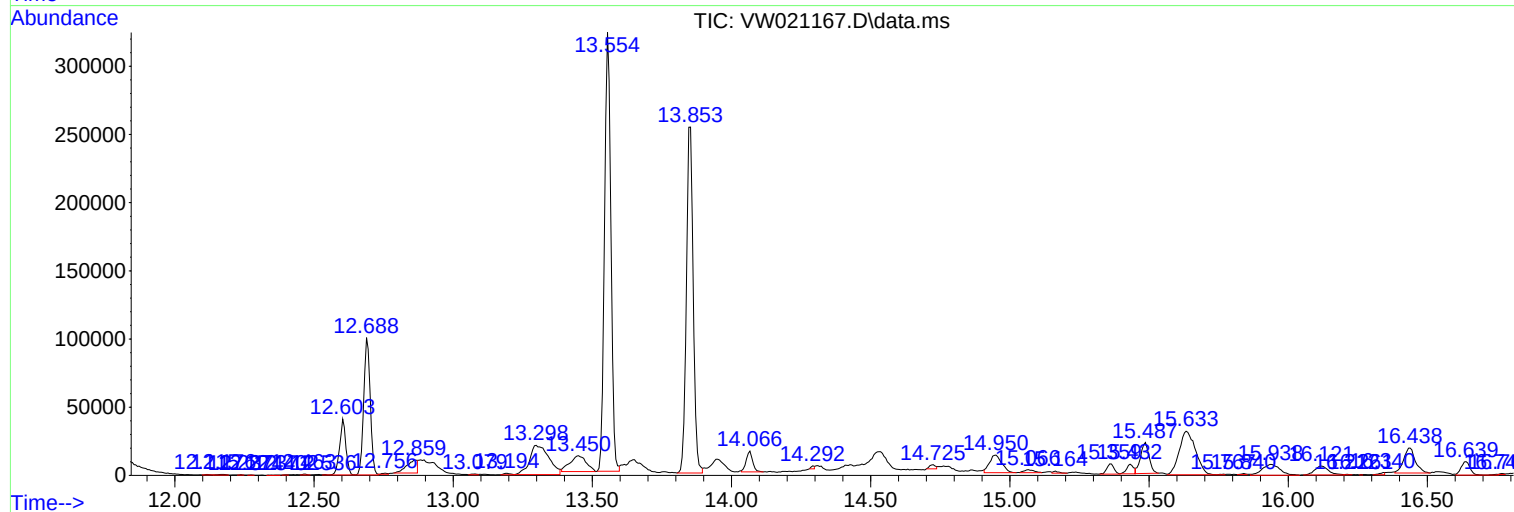
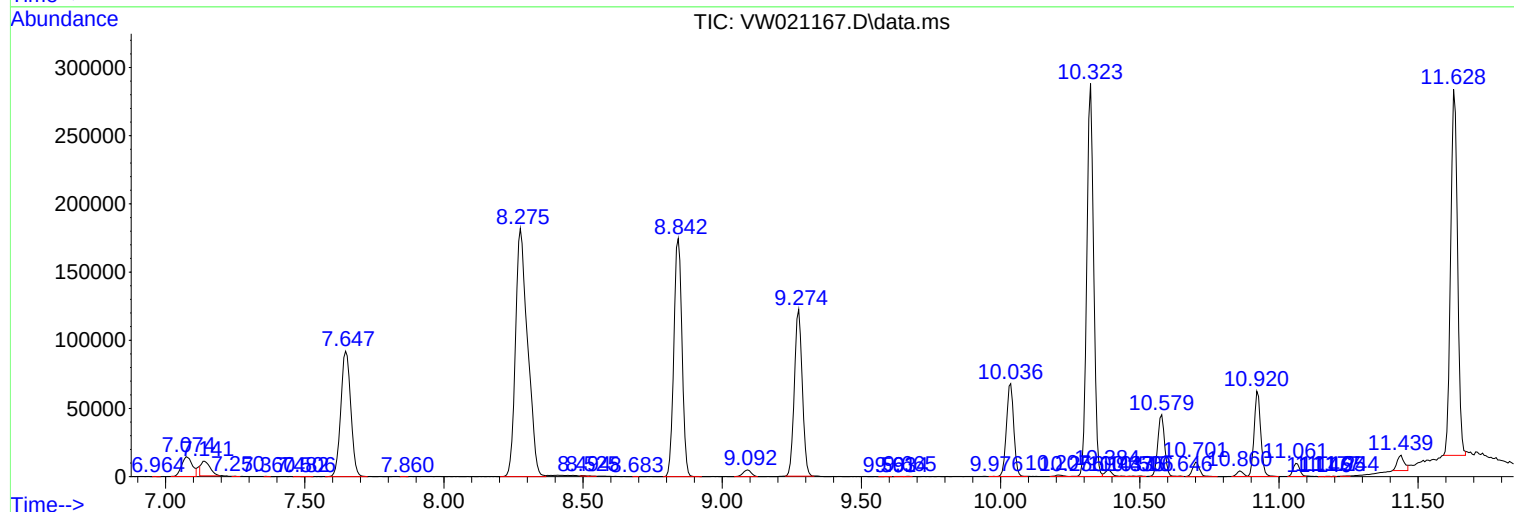
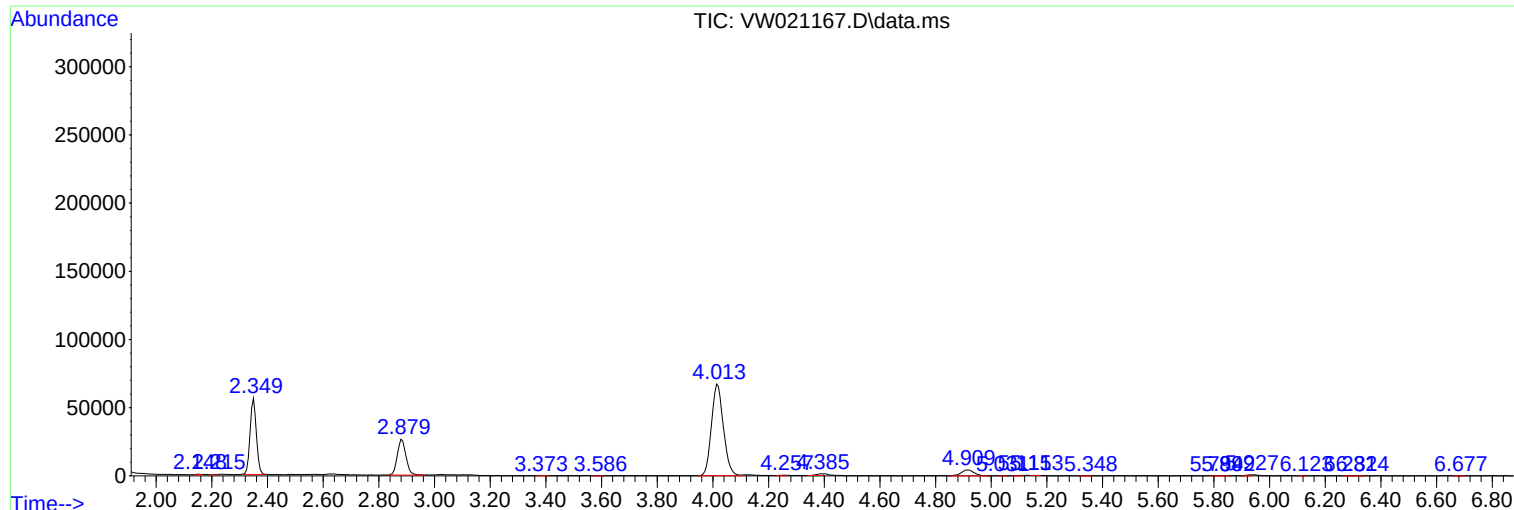
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Instrument :
MSVOA_W
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EW9K9

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



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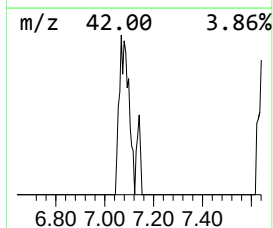
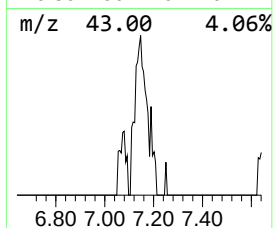
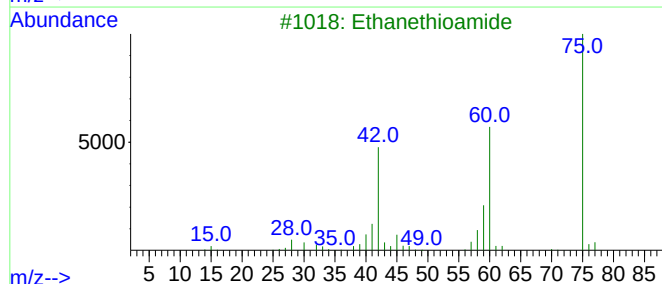
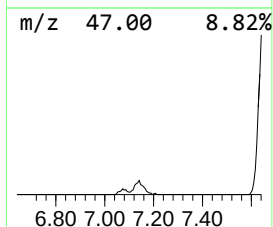
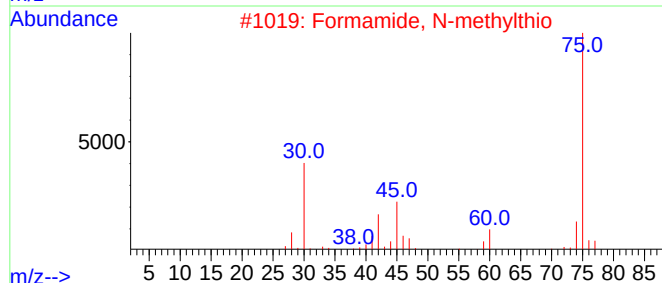
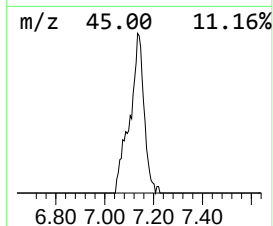
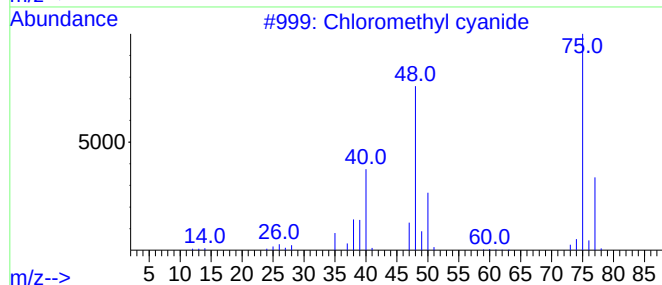
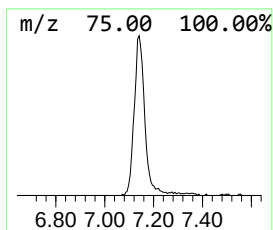
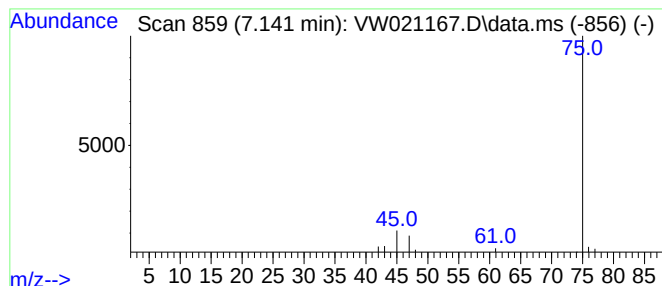
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.141	1.66 ug/L	23571	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Chloromethyl cyanide	75	C2H2ClN	000107-14-2	7
2			Formamide, N-methylthio	75	C2H5NS	018952-41-5	7
3			Ethanethioamide	75	C2H5NS	000062-55-5	7
4			Chloromethyl cyanide	75	C2H2ClN	000107-14-2	7
5			Ethanethioamide	75	C2H5NS	000062-55-5	4



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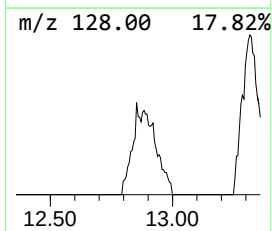
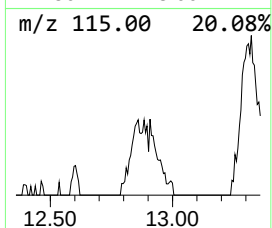
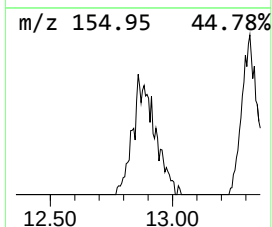
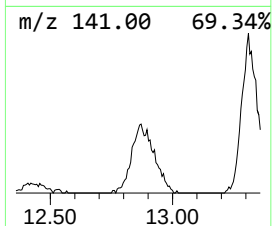
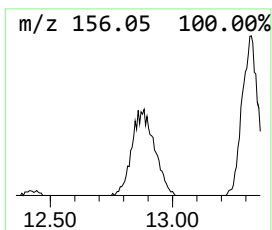
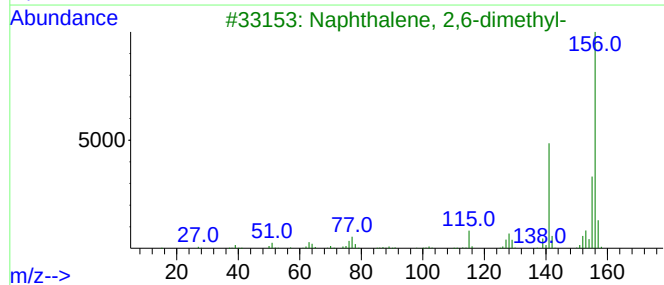
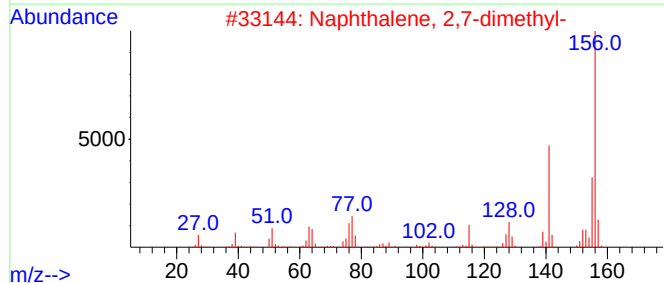
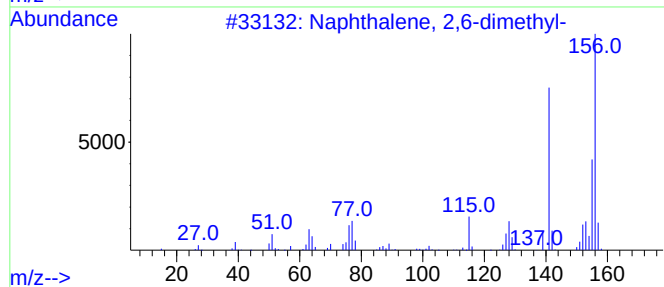
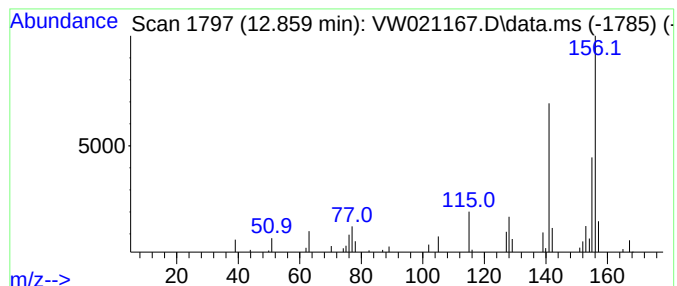
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	1.27 ug/L	26040	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95



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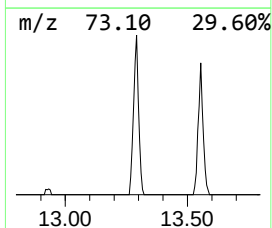
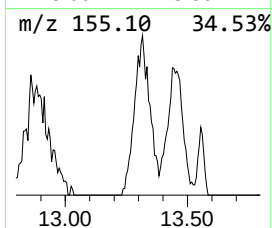
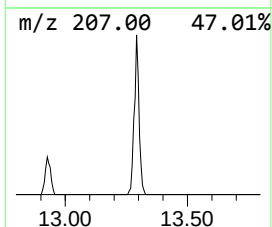
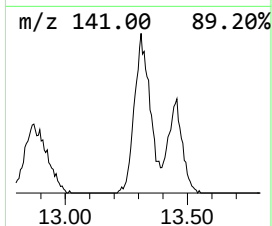
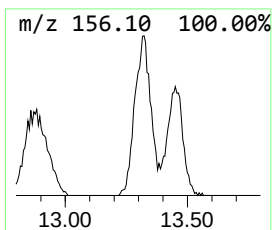
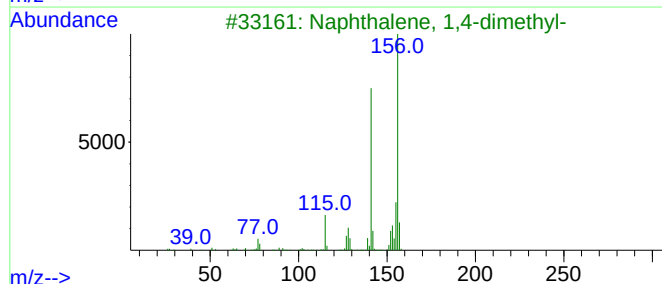
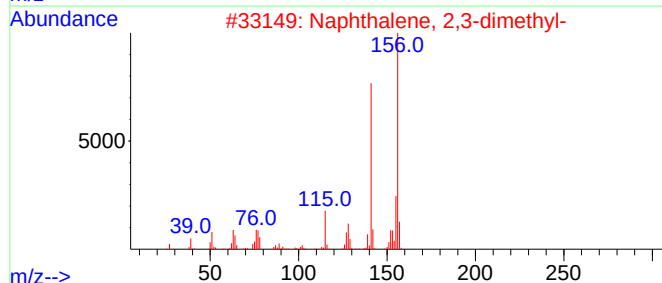
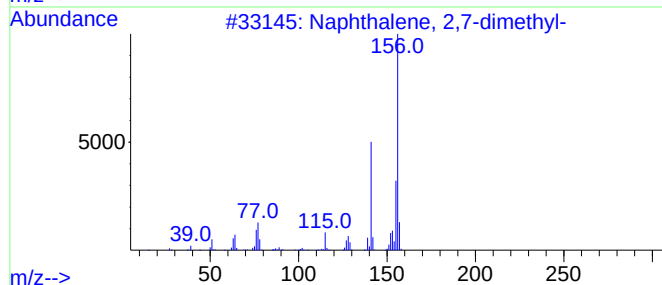
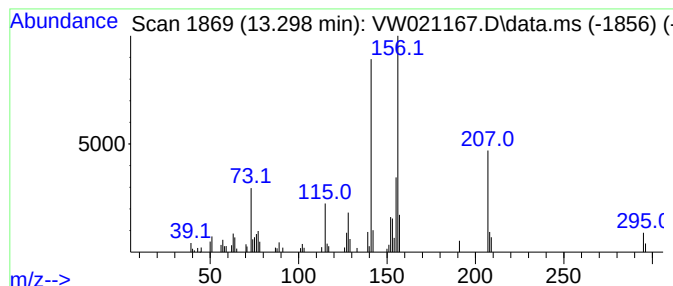
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.298	5.02 ug/L	102828	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
3			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021167.D
Acq On : 06 Dec 2021 14:21
Operator : SY/VA
Sample : M4885-02
Misc : 4.90g/10.0mL/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9K9

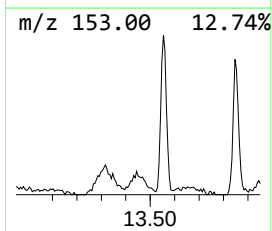
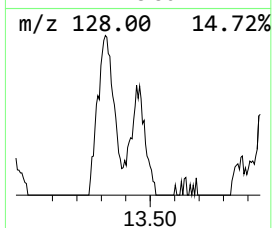
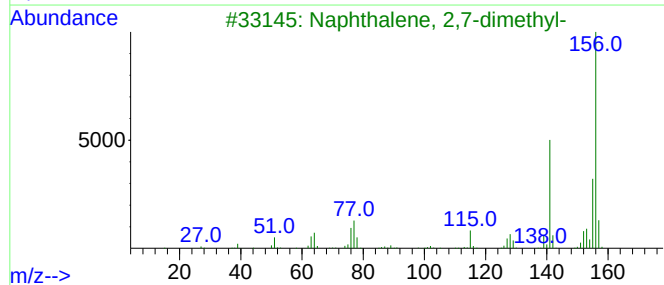
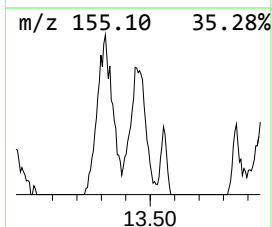
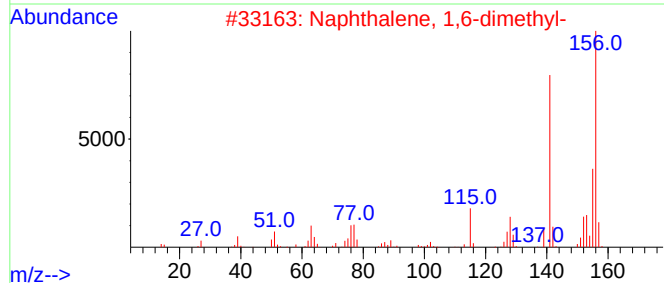
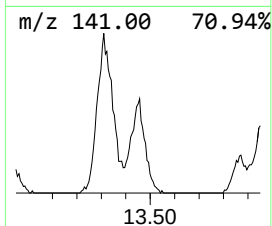
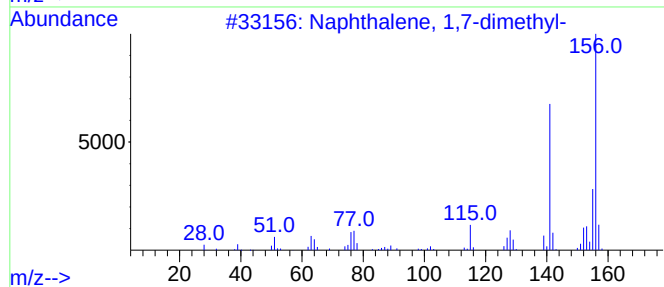
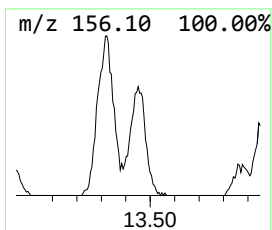
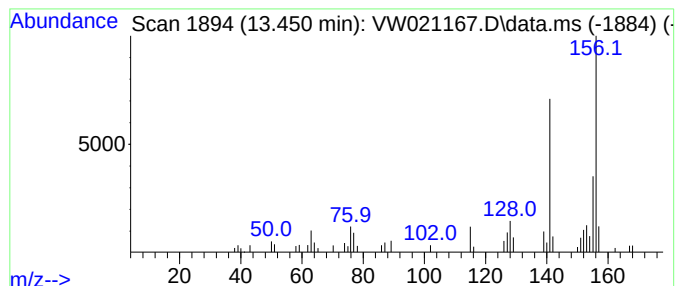
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Quant Title : SFAM01.0

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

Peak Number 6 Naphthalene, 1,7-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.451	2.33 ug/L	47655	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021167.D
Acq On : 06 Dec 2021 14:21
Operator : SY/VA
Sample : M4885-02
Misc : 4.90g/10.0mL/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9K9

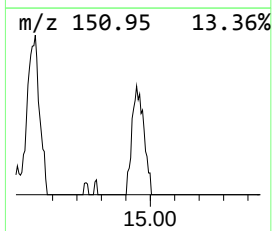
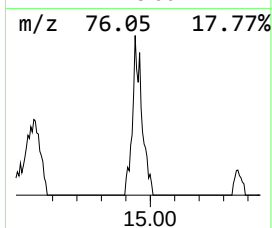
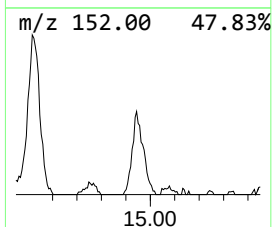
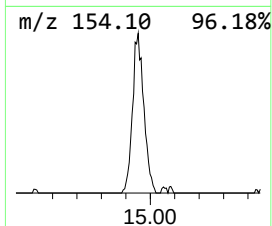
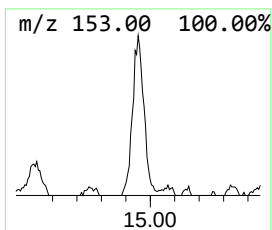
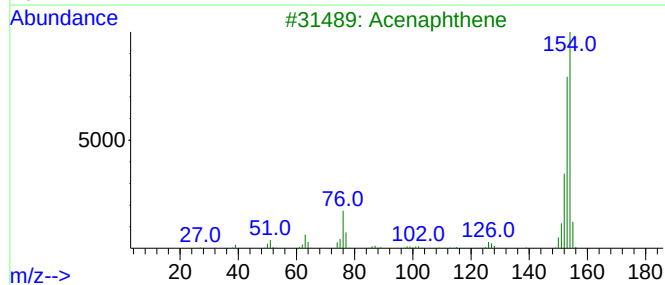
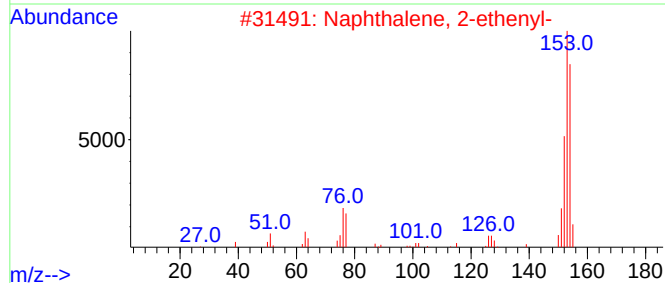
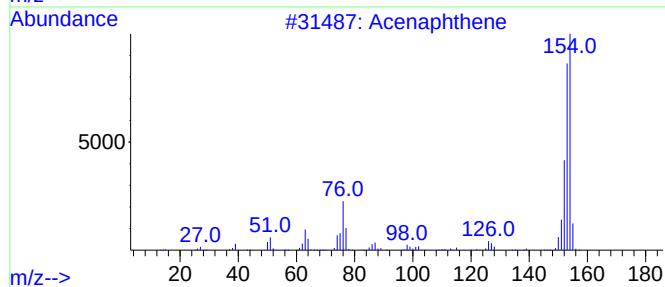
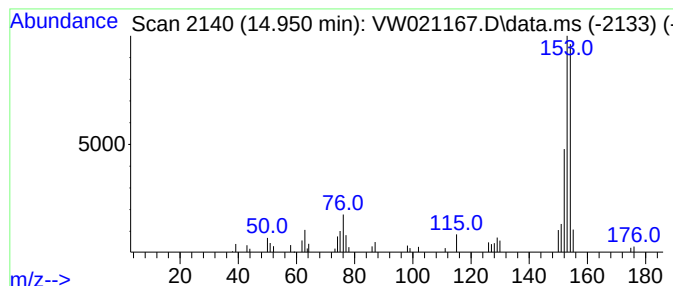
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Quant Title : SFAM01.0

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

Peak Number 7 Acenaphthene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.950	1.91 ug/L	39049	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acenaphthene	154	C12H10	000083-32-9	94
2			Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	76
3			Acenaphthene	154	C12H10	000083-32-9	76
4			Acenaphthene	154	C12H10	000083-32-9	74
5			1,4-Ethenonaphthalene, 1,4-dihydro-	154	C12H10	007322-47-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021167.D
Acq On : 06 Dec 2021 14:21
Operator : SY/VA
Sample : M4885-02
Misc : 4.90g/10.0mL/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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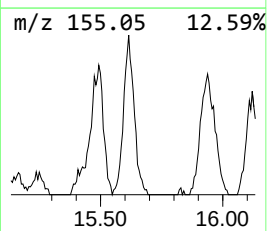
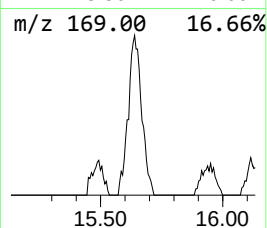
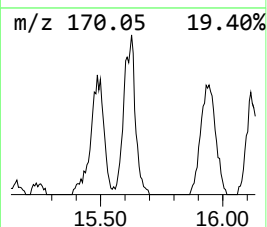
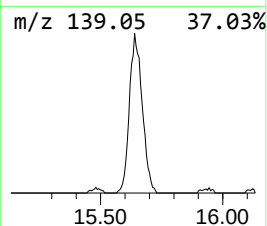
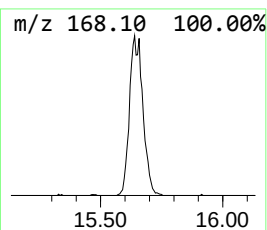
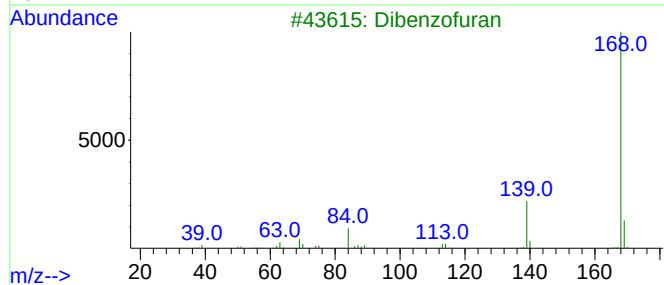
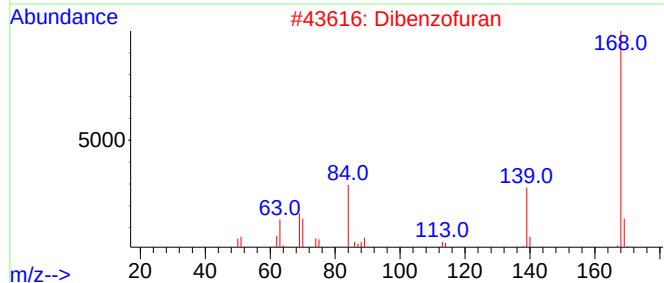
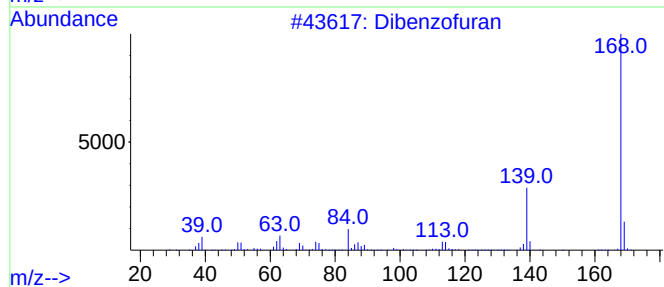
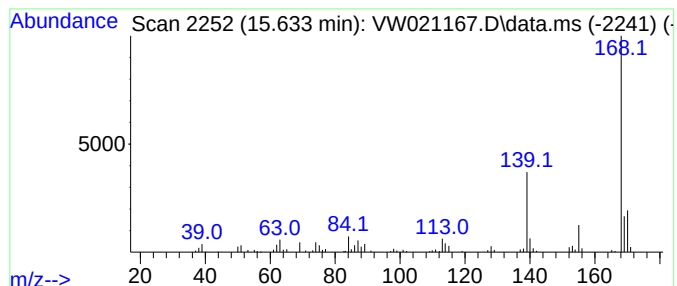
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Quant Title : SFAM01.0

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

Peak Number 9 Dibenzofuran Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.633	6.31 ug/L	129212	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzofuran	168	C12H8O	000132-64-9	81
2			Dibenzofuran	168	C12H8O	000132-64-9	64
3			Dibenzofuran	168	C12H8O	000132-64-9	59
4			3-Chloro-5,6,7,8-tetrahydrocinno...	168	C8H9ClN2	032078-92-5	53
5			3,6-Diazahomoadamantan-9-ol	168	C9H16N2O	138023-21-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021167.D
Acq On : 06 Dec 2021 14:21
Operator : SY/VA
Sample : M4885-02
Misc : 4.90g/10.0mL/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9K9

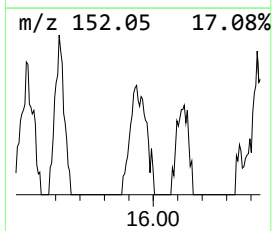
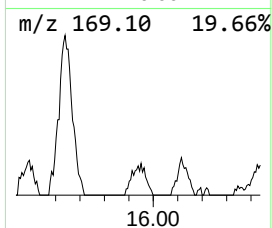
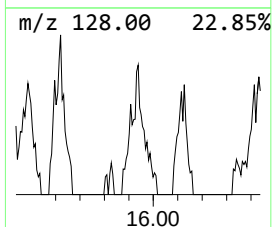
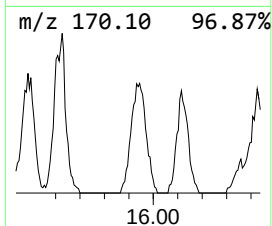
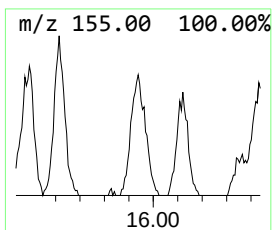
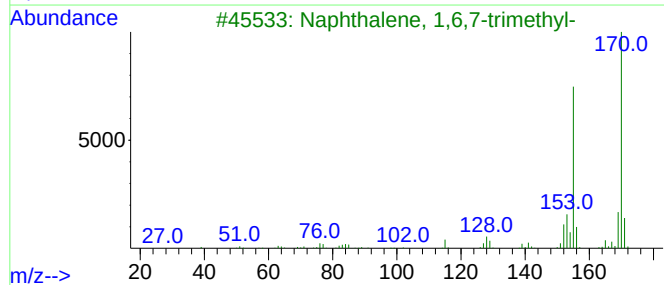
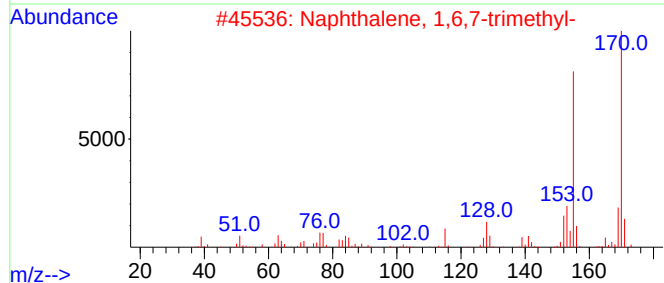
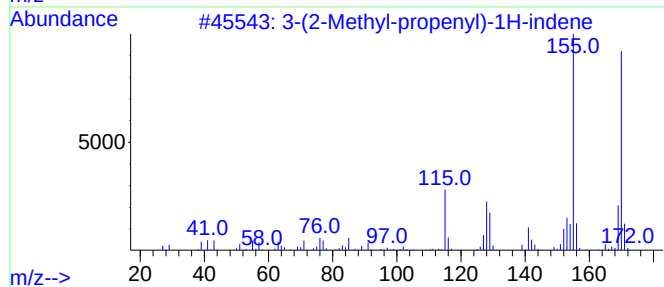
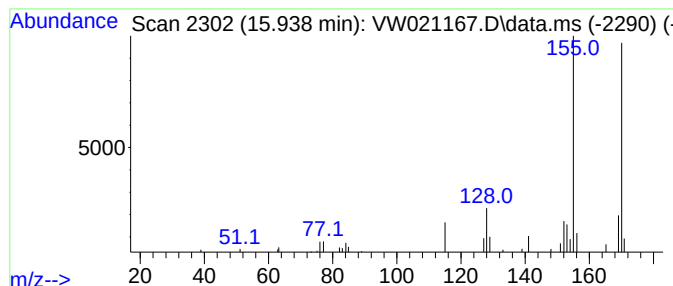
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Quant Title : SFAM01.0

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

Peak Number 10 3-(2-Methyl-propenyl)-1H-in... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.938	1.70 ug/L	34715	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	91
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	87
4		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	83
5		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021167.D
Acq On : 06 Dec 2021 14:21
Operator : SY/VA
Sample : M4885-02
Misc : 4.90g/10.0mL/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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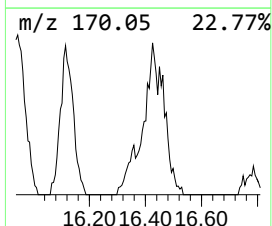
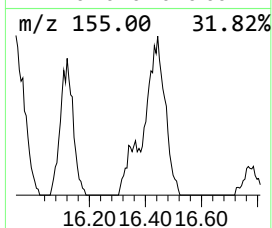
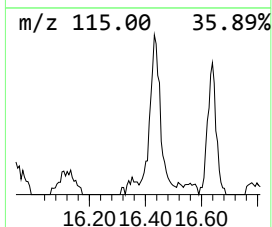
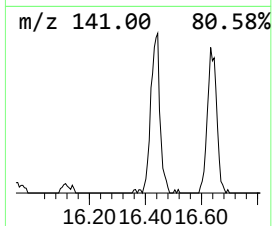
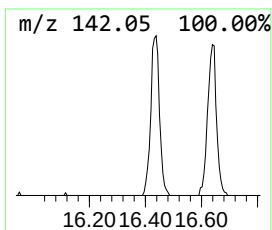
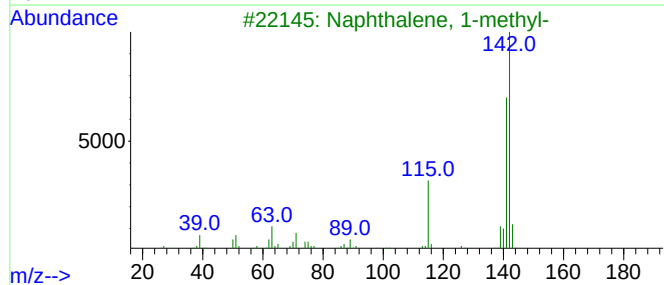
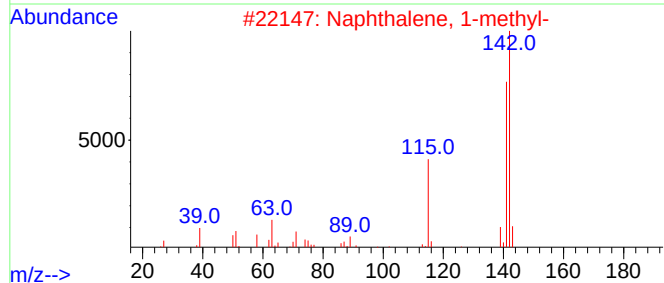
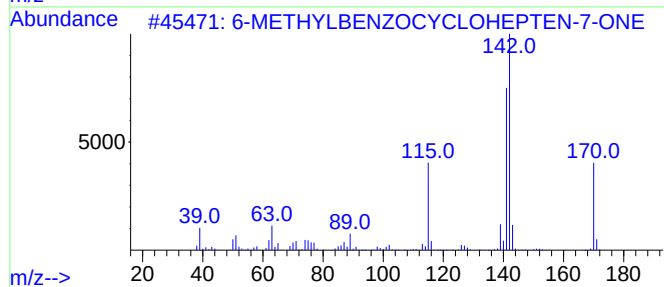
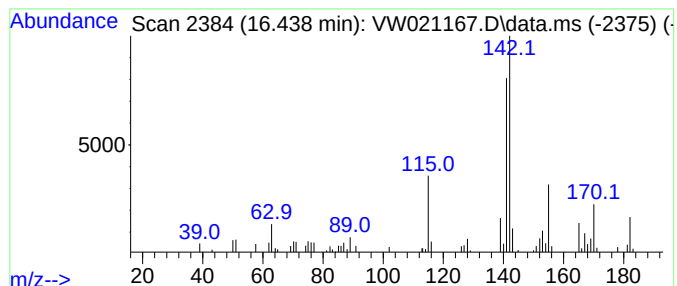
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Quant Title : SFAM01.0

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

Peak Number 11 6-METHYLBENZOCYCLOHEPTEN-7-ONE Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.438	2.59 ug/L	53110	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			6-METHYLBENZOCYCLOHEPTEN-7-ONE	170	C12H10O	004900-73-6	93
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	92
3			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	83
4			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	83
5			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
Data File : VW021167.D
Acq On : 06 Dec 2021 14:21
Operator : SY/VA
Sample : M4885-02
Misc : 4.90g/10.0mL/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9K9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.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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Naphthalene, 2,...	12.859	1.3	ug/L	26040	3	13.554	511938	25.0
Naphthalene, 2,...	13.298	5.0	ug/L	102828	3	13.554	511938	25.0
Naphthalene, 1,...	13.451	2.3	ug/L	47655	3	13.554	511938	25.0
Acenaphthene	14.950	1.9	ug/L	39049	3	13.554	511938	25.0
Dibenzofuran	15.633	6.3	ug/L	129212	3	13.554	511938	25.0
3-(2-Methyl-pro...	15.938	1.7	ug/L	34715	3	13.554	511938	25.0
6-METHYLBENZOCY...	16.438	2.6	ug/L	53110	3	13.554	511938	25.0