

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062521\
 Data File : VW019333.D
 Acq On : 25 Jun 2021 16:59
 Operator : SY/VA
 Sample : M2869-06
 Misc : 5.26G/10ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGDx4

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\SFAMWLM060221SMA.M

Title : SFAM01.0

Signal : TIC: VW019333.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.800	144	147	149	rVB2	319	275	0.16%	0.069%
2	2.825	149	151	152	rVB	291	179	0.10%	0.045%
3	2.837	152	153	156	rBV2	283	241	0.14%	0.060%
4	2.867	156	158	159	rBV2	175	160	0.09%	0.040%
5	2.904	159	164	169	rVV2	1986	3714	2.17%	0.928%
6	2.983	175	177	180	rVB2	225	199	0.12%	0.050%
7	3.044	184	187	188	rBV2	297	319	0.19%	0.080%
8	3.184	208	210	211	rVV	265	172	0.10%	0.043%
9	3.312	228	231	233	rVB2	211	250	0.15%	0.062%
10	3.343	233	236	238	rBV2	233	362	0.21%	0.090%
11	3.520	260	265	278	rVB4	1657	5012	2.93%	1.253%
12	3.605	278	279	281	rBV	274	154	0.09%	0.038%
13	3.654	285	287	290	rBV2	287	352	0.21%	0.088%
14	3.715	294	297	299	rBV2	138	164	0.10%	0.041%
15	3.940	331	334	336	rVB2	247	231	0.13%	0.058%
16	3.965	336	338	341	rBV2	290	304	0.18%	0.076%
17	4.032	341	349	359	rVB3	4120	10609	6.19%	2.652%
18	4.135	359	366	367	rBV3	525	955	0.56%	0.239%
19	4.343	399	400	404	rVB2	163	165	0.10%	0.041%
20	4.385	404	407	408	rBV2	274	338	0.20%	0.084%
21	4.483	421	423	427	rVB	268	250	0.15%	0.062%
22	4.544	429	433	434	rBV2	189	189	0.11%	0.047%
23	4.684	452	456	457	rBV	251	189	0.11%	0.047%
24	4.708	459	460	462	rBV	249	179	0.10%	0.045%
25	5.562	599	600	603	rBV2	179	183	0.11%	0.046%
26	5.598	604	606	609	rVB2	370	293	0.17%	0.073%
27	5.635	609	612	615	rBV2	299	408	0.24%	0.102%
28	5.830	641	644	646	rVB	269	215	0.13%	0.054%
29	5.867	648	650	652	rBV2	191	192	0.11%	0.048%
30	5.958	664	665	667	rBV	373	255	0.15%	0.064%
31	6.226	708	709	714	rVB	302	314	0.18%	0.078%
32	6.330	724	726	731	rVV2	126	163	0.10%	0.041%
33	6.373	731	733	734	rVB	328	178	0.10%	0.044%
34	6.580	765	767	770	rVB2	349	309	0.18%	0.077%
35	6.610	770	772	775	rBV	196	189	0.11%	0.047%
36	6.751	793	795	797	rVB	325	190	0.11%	0.047%

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 Title : SFAM01.0

37	6.769	797	798	800	rBV	244	153	0.09%	0.038%
38	6.891	814	818	820	rBV2	201	342	0.20%	0.085%
39	7.068	844	847	850	rBV2	249	220	0.13%	0.055%
40	7.098	850	852	856	rBV2	275	363	0.21%	0.091%
41	7.257	876	878	881	rBV2	262	382	0.22%	0.095%
42	7.330	889	890	897	rVB2	317	304	0.18%	0.076%
43	7.598	932	934	936	rVV2	234	182	0.11%	0.045%
44	7.659	936	944	951	rVV2	4389	10493	6.13%	2.623%
45	8.037	1003	1006	1007	rBV2	159	170	0.10%	0.042%
46	8.080	1010	1013	1014	rBV2	206	195	0.11%	0.049%
47	8.202	1030	1033	1035	rVB	203	192	0.11%	0.048%
48	8.281	1039	1046	1059	rVB4	7273	21669	12.65%	5.417%
49	8.372	1059	1061	1065	rBV2	259	284	0.17%	0.071%
50	8.409	1065	1067	1068	rBV	243	165	0.10%	0.041%
51	8.452	1072	1074	1076	rBV2	233	165	0.10%	0.041%
52	8.555	1089	1091	1092	rBV	234	199	0.12%	0.050%
53	8.756	1122	1124	1128	rBV	207	364	0.21%	0.091%
54	8.842	1132	1138	1147	rVV	5704	11632	6.79%	2.908%
55	8.976	1157	1160	1162	rBV	149	185	0.11%	0.046%
56	9.281	1203	1210	1216	rBV3	5283	9905	5.78%	2.476%
57	9.445	1235	1237	1240	rBV2	176	199	0.12%	0.050%
58	9.604	1260	1263	1264	rVV2	175	178	0.10%	0.044%
59	9.646	1268	1270	1273	rVV2	287	319	0.19%	0.080%
60	10.043	1331	1335	1341	rVB4	1285	2683	1.57%	0.671%
61	10.092	1341	1343	1344	rBV	300	248	0.14%	0.062%
62	10.323	1376	1381	1388	rVB	6153	11588	6.76%	2.897%
63	10.378	1388	1390	1392	rBV	250	245	0.14%	0.061%
64	10.835	1462	1465	1468	rBV2	251	278	0.16%	0.069%
65	10.921	1477	1479	1480	rBV	288	283	0.17%	0.071%
66	11.164	1517	1519	1522	rBV	407	273	0.16%	0.068%
67	11.286	1538	1539	1542	rVB2	246	193	0.11%	0.048%
68	11.341	1546	1548	1549	rVB	355	217	0.13%	0.054%
69	11.634	1590	1596	1605	rBV2	6559	11807	6.89%	2.952%
70	11.805	1622	1624	1626	rBV	206	213	0.12%	0.053%
71	12.018	1657	1659	1660	rBV	392	228	0.13%	0.057%
72	12.061	1663	1666	1671	rVB	526	765	0.45%	0.191%
73	12.109	1671	1674	1675	rBV	332	293	0.17%	0.073%
74	12.134	1675	1678	1682	rVB	289	328	0.19%	0.082%
75	12.189	1686	1687	1690	rBV2	227	188	0.11%	0.047%
76	12.225	1692	1693	1696	rBV2	314	315	0.18%	0.079%

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 Title : SFAM01.0

77	12.256	1696	1698	1701	rVB2	411	315	0.18%	0.079%
78	12.286	1701	1703	1704	rBV	346	189	0.11%	0.047%
79	12.305	1704	1706	1707	rBV	369	315	0.18%	0.079%
80	12.384	1718	1719	1722	rVB2	415	189	0.11%	0.047%
81	12.414	1722	1724	1726	rBV2	510	571	0.33%	0.143%
82	12.457	1729	1731	1733	rBV2	759	578	0.34%	0.144%
83	12.652	1762	1763	1765	rBV	235	170	0.10%	0.042%
84	12.695	1765	1770	1775	rVV	2952	4207	2.46%	1.052%
85	12.774	1781	1783	1786	rBV3	447	295	0.17%	0.074%
86	12.871	1786	1799	1800	rBV6	7763	19890	11.61%	4.972%
87	13.073	1830	1832	1833	rBV	333	292	0.17%	0.073%
88	13.207	1853	1854	1855	rBV	354	149	0.09%	0.037%
89	13.317	1861	1872	1873	rBV3	13769	34764	20.29%	8.690%
90	13.560	1907	1912	1919	rVB2	4261	6737	3.93%	1.684%
91	13.609	1919	1920	1922	rBV	330	217	0.13%	0.054%
92	13.737	1938	1941	1942	rBV2	328	297	0.17%	0.074%
93	13.853	1954	1960	1965	rBV5	6277	14812	8.65%	3.703%
94	14.066	1993	1995	1997	rBV3	1134	1084	0.63%	0.271%
95	14.432	2053	2055	2057	rBV	354	334	0.19%	0.083%
96	14.694	2096	2098	2099	rBV2	492	247	0.14%	0.062%
97	14.877	2126	2128	2129	rBV2	645	338	0.20%	0.084%
98	14.956	2129	2141	2153	rBV	54086	171303	100.00%	42.823%
99	15.334	2197	2203	2204	rBV6	2895	4400	2.57%	1.100%
100	15.615	2243	2249	2262	rVB7	7329	22075	12.89%	5.518%

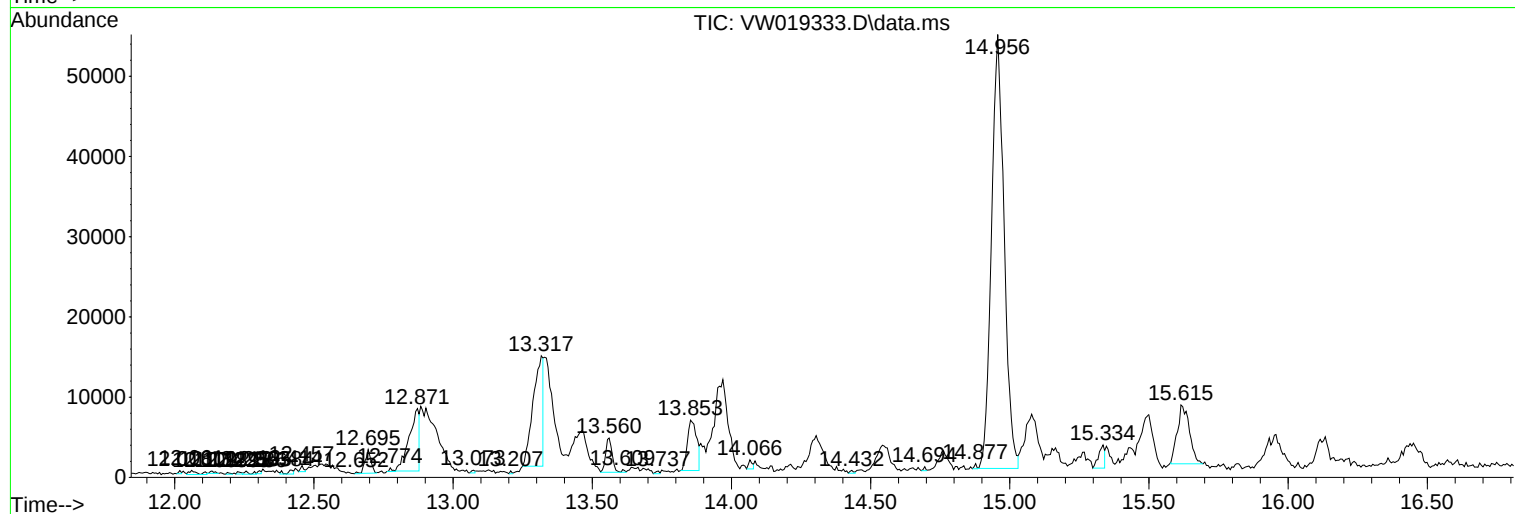
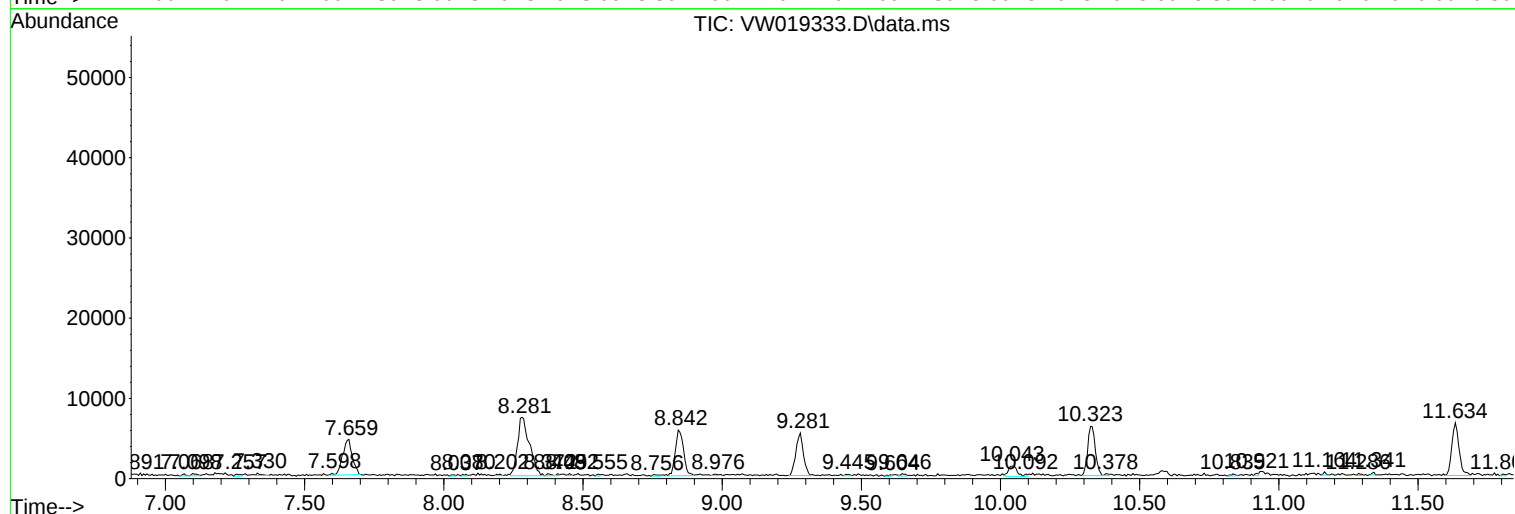
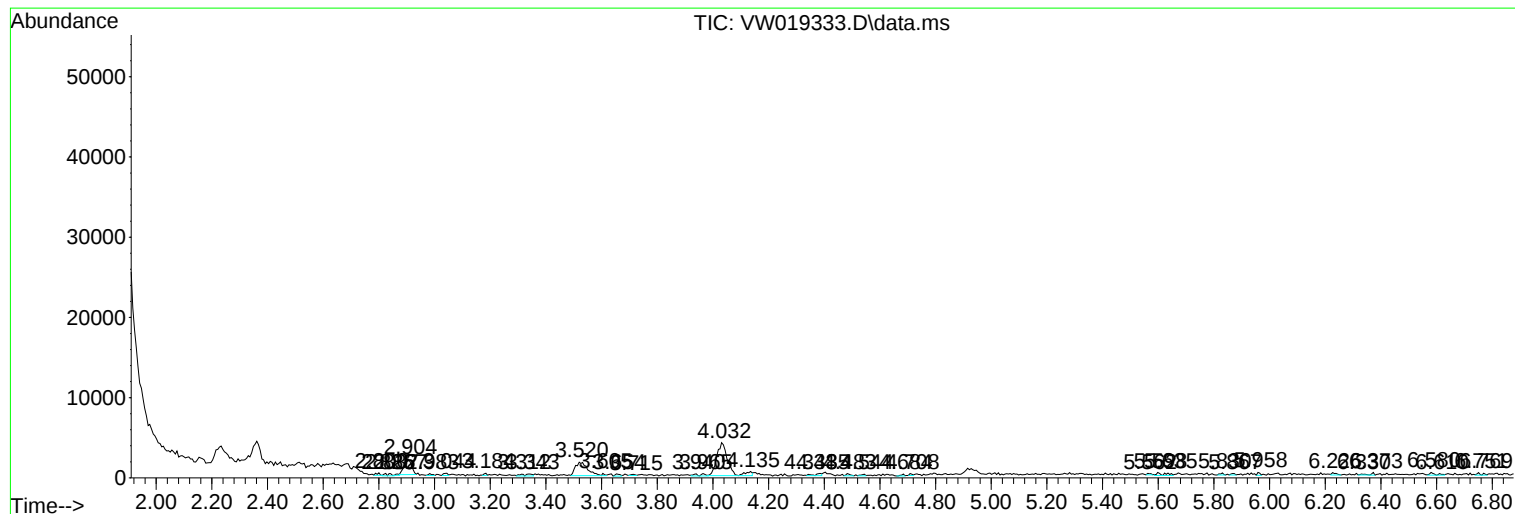
Sum of corrected areas: 400024

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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGDX4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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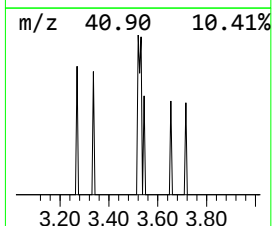
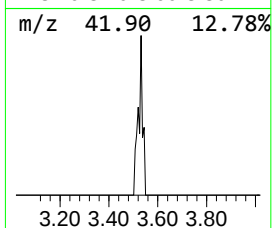
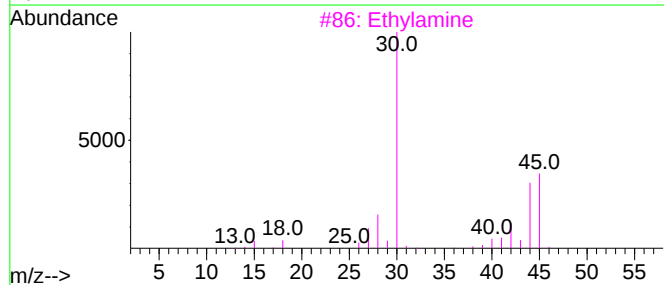
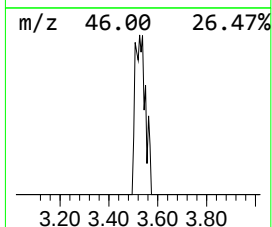
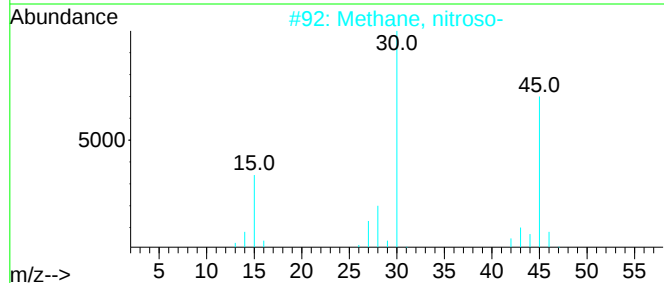
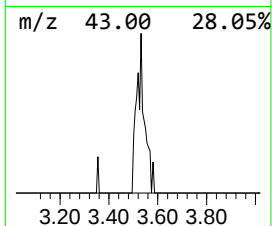
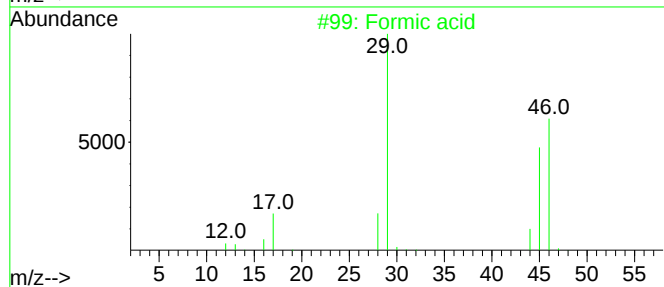
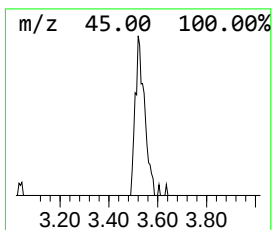
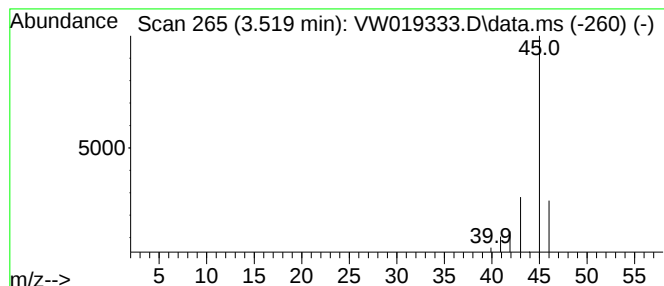
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.519	10.77 ug/L	5012	1,4-Difluorobenzene	8.848

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Formic acid	46	CH2O2	000064-18-6	3
2			Methane, nitroso-	45	CH3NO	000865-40-7	3
3			Ethylamine	45	C2H7N	000075-04-7	3
4			Dimethyl ether	46	C2H6O	000115-10-6	2
5			Formic acid	46	CH2O2	000064-18-6	2



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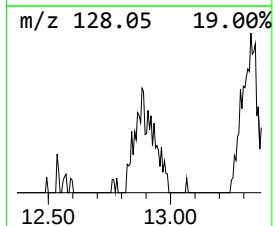
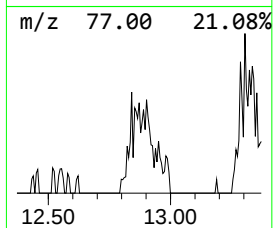
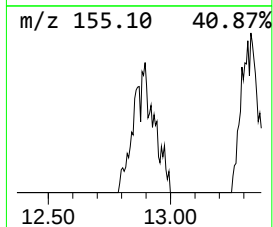
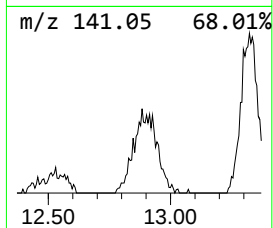
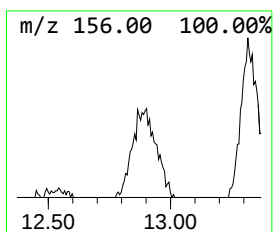
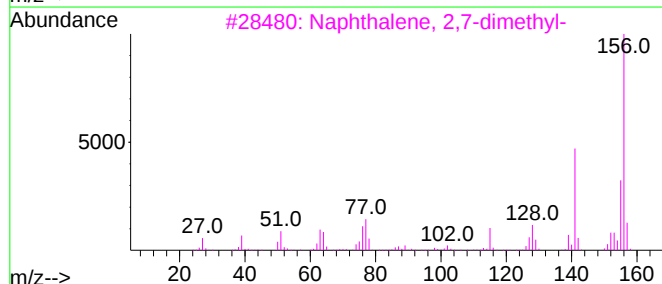
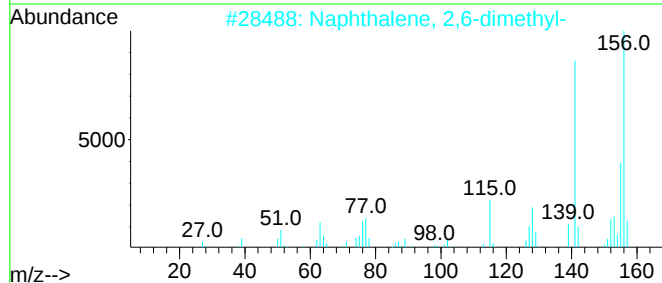
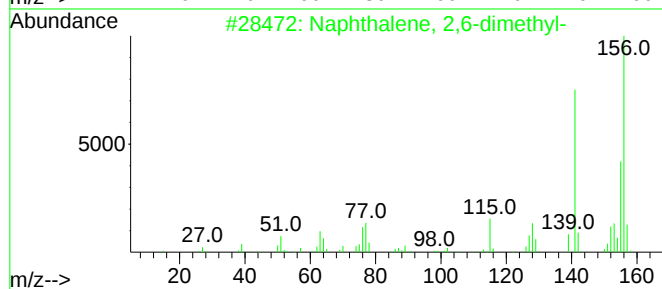
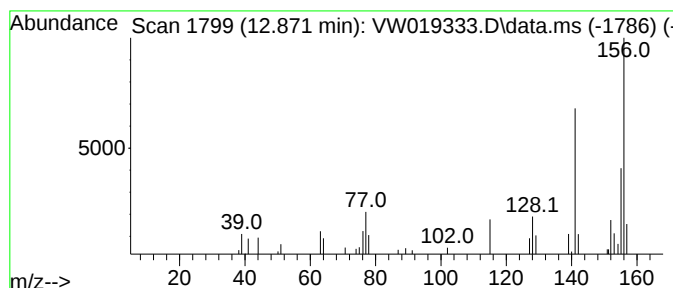
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.871	73.81 ug/L	19890	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	97
2			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95



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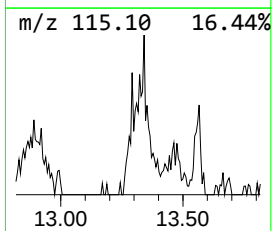
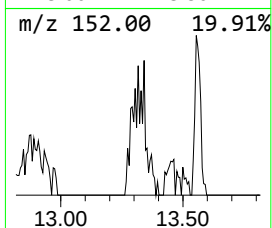
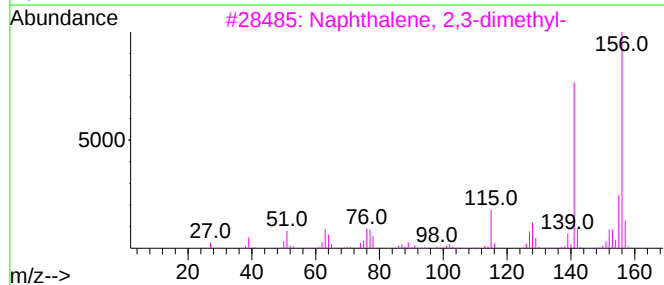
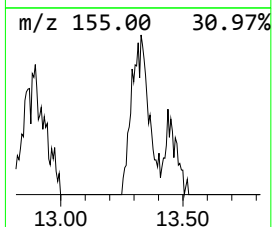
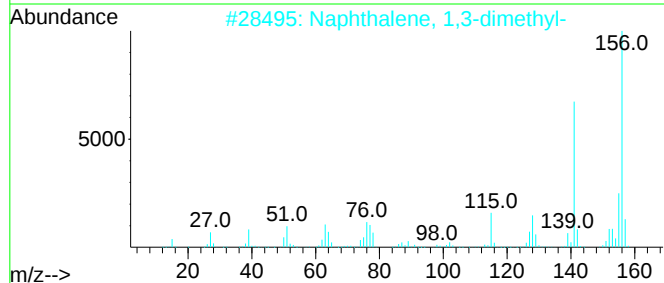
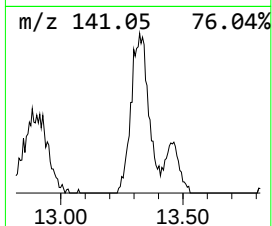
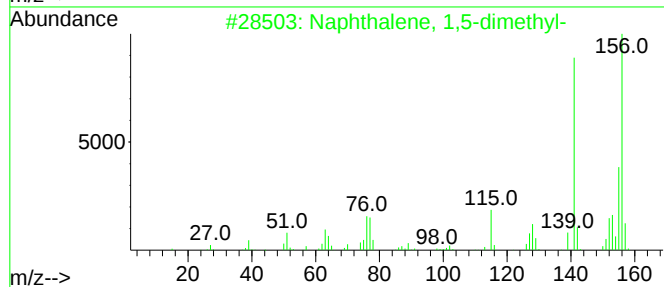
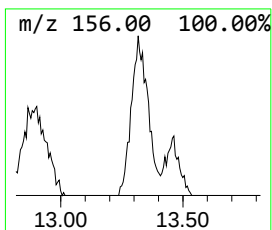
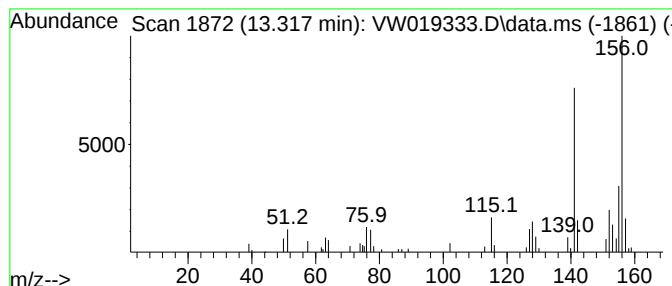
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Naphthalene, 1,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.317	129.00 ug/L	34764	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
2			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062521\
Data File : VW019333.D
Acq On : 25 Jun 2021 16:59
Operator : SY/VA
Sample : M2869-06
Misc : 5.26G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGDX4

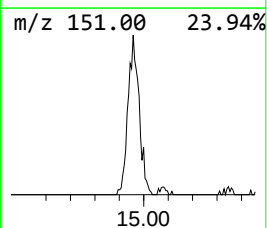
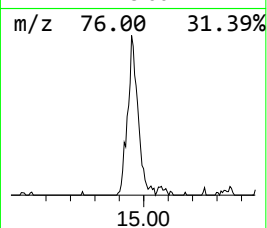
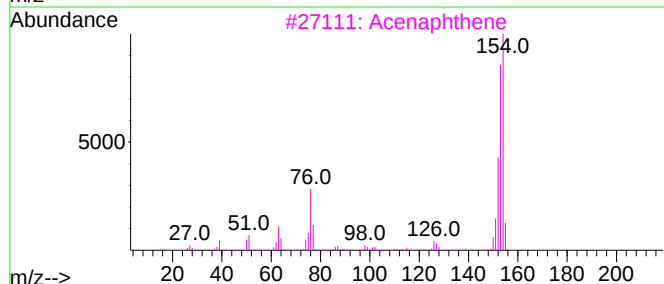
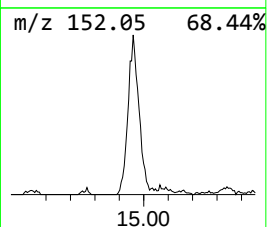
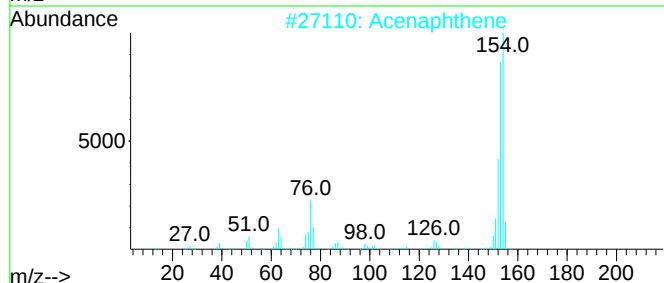
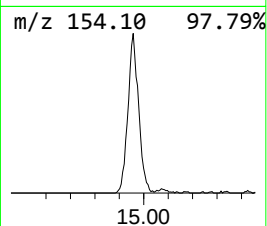
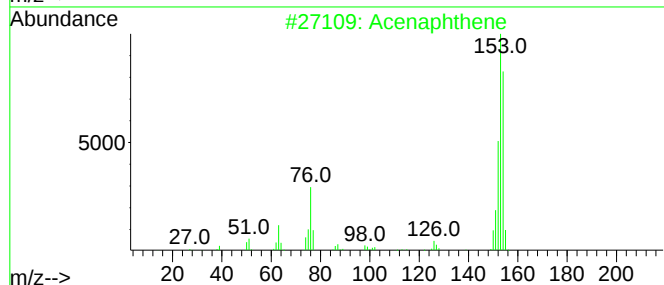
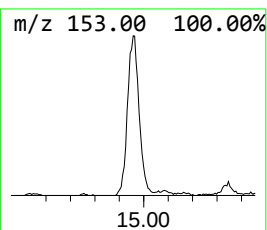
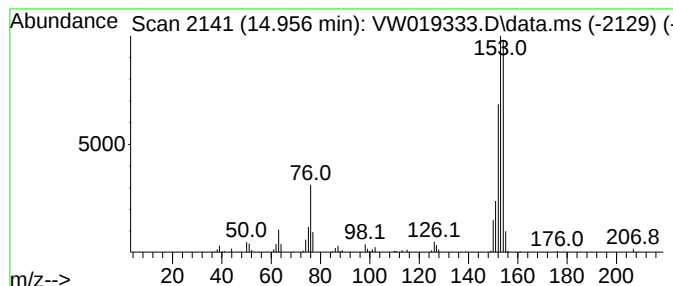
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 1,4-Ethenonaphthalene, 1,4-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.957	635.68 ug/L	171303	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acenaphthene	154	C12H10	000083-32-9	96
2			Acenaphthene	154	C12H10	000083-32-9	76
3			Acenaphthene	154	C12H10	000083-32-9	60
4			1,4-Ethenonaphthalene, 1,4-dihydro-	154	C12H10	007322-47-6	58
5			Acenaphthene	154	C12H10	000083-32-9	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062521\
Data File : VW019333.D
Acq On : 25 Jun 2021 16:59
Operator : SY/VA
Sample : M2869-06
Misc : 5.26G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGDX4

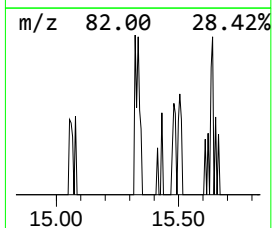
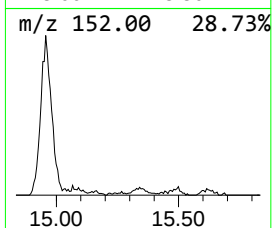
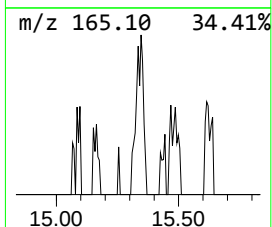
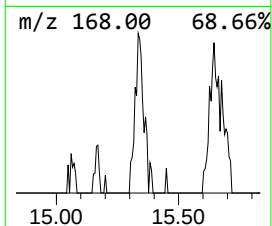
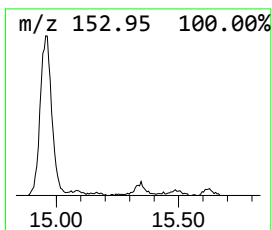
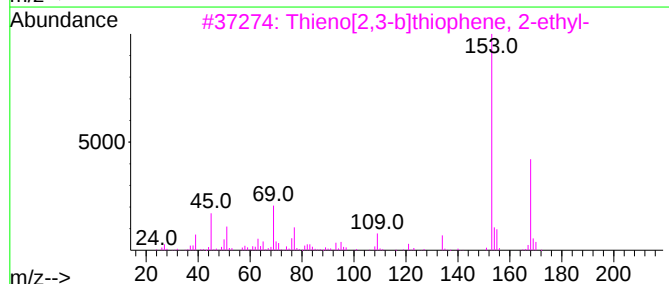
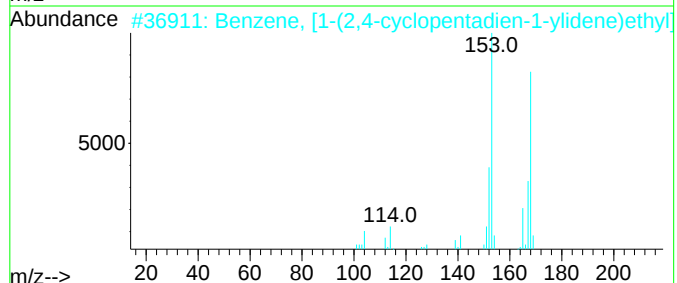
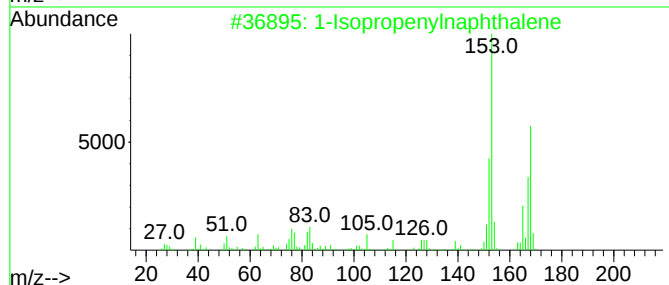
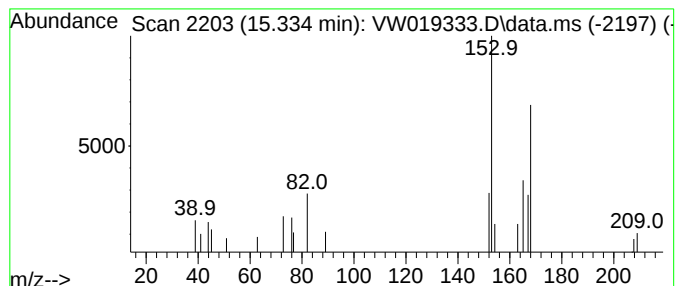
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 1-Isopropenylnaphthalene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.335	16.33 ug/L	4400	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Isopropenylnaphthalene	168	C13H12	001855-47-6	59
2			Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	59
3			Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	46
4			1-Methoxy-2-methyl-4-(methylthio...	168	C9H12OS	050390-78-8	43
5			2(1H)-Pyridinethione, 1,4,6-trim...	153	C8H11NS	019006-70-3	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062521\
Data File : VW019333.D
Acq On : 25 Jun 2021 16:59
Operator : SY/VA
Sample : M2869-06
Misc : 5.26G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGDX4

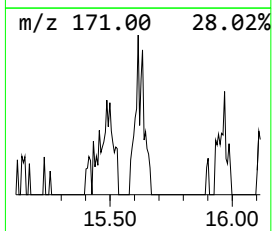
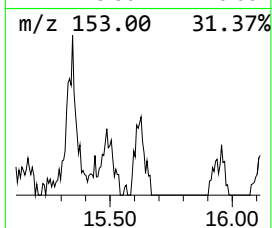
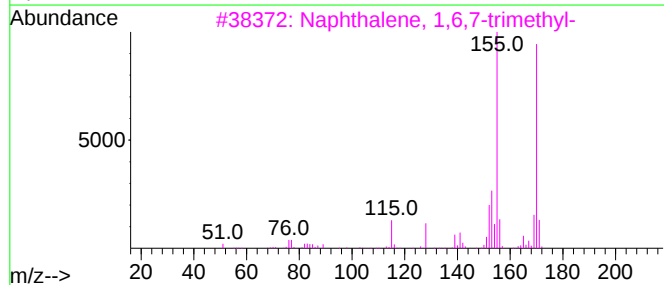
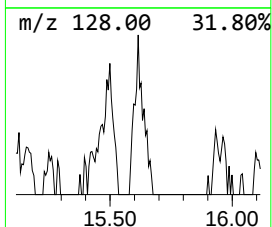
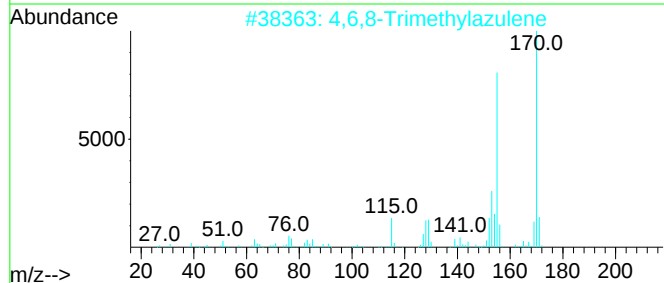
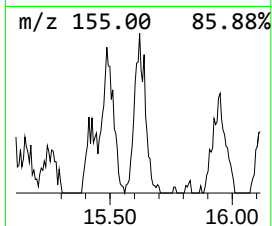
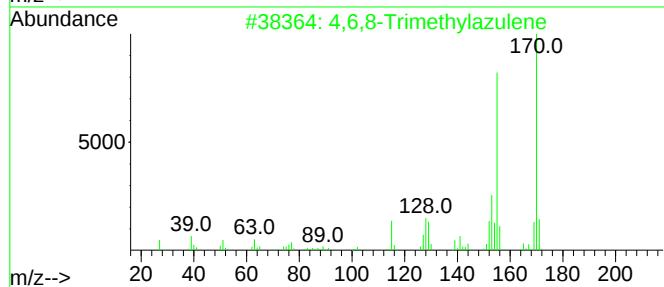
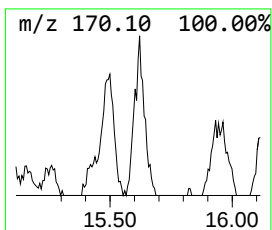
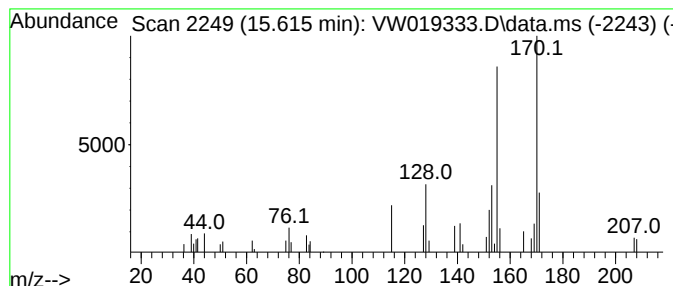
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 4,6,8-Trimethylazulene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.615	81.92 ug/L	22075	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4,6,8-Trimethylazulene	170	C13H14	000941-81-1	87
2			4,6,8-Trimethylazulene	170	C13H14	000941-81-1	83
3			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	83
4			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	83
5			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062521\
Data File : VW019333.D
Acq On : 25 Jun 2021 16:59
Operator : SY/VA
Sample : M2869-06
Misc : 5.26G/10ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGDX4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Naphthalene, 2,...	12.871	73.8	ug/L	19890	3	13.554	6737	25.0
Naphthalene, 1,...	13.317	129.0	ug/L	34764	3	13.554	6737	25.0
1,4-Ethenonapht...	14.957	635.7	ug/L	171303	3	13.554	6737	25.0
1-Isopropenylna...	15.335	16.3	ug/L	4400	3	13.554	6737	25.0
4,6,8-Trimethyl...	15.615	81.9	ug/L	22075	3	13.554	6737	25.0