

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
 Data File : VW021053.D
 Acq On : 02 Dec 2021 17:38
 Operator : SY/VA
 Sample : M4881-01RE
 Misc : 4.95g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW9D7RE

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\SFAMWLM111521SMA.M
 Title : SFAM01.0

Signal : TIC: VW021053.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	68	73	84	rVB	23723	37989	15.97%	2.205%
2	2.879	155	160	168	rVB	13265	27789	11.68%	1.613%
3	3.379	237	242	251	rVB4	988	2179	0.92%	0.126%
4	4.013	336	346	358	rBV2	23212	70680	29.71%	4.103%
5	4.123	358	364	375	rVB2	756	1995	0.84%	0.116%
6	4.385	398	407	416	rBV5	2007	6519	2.74%	0.378%
7	4.922	485	495	510	rVV3	5017	18386	7.73%	1.067%
8	5.172	532	536	537	rVV2	141	150	0.06%	0.009%
9	5.428	572	578	579	rBV	454	709	0.30%	0.041%
10	5.604	604	607	612	rBB	156	244	0.10%	0.014%
11	5.647	612	614	617	rBV	135	166	0.07%	0.010%
12	5.934	655	661	671	rBV4	1176	3334	1.40%	0.194%
13	6.025	675	676	680	rBV	121	164	0.07%	0.010%
14	6.263	713	715	720	rBB2	181	250	0.11%	0.015%
15	6.409	736	739	741	rBB2	152	152	0.06%	0.009%
16	6.982	827	833	840	rBV5	1190	3289	1.38%	0.191%
17	7.080	840	849	855	rBV	7478	21652	9.10%	1.257%
18	7.244	874	876	881	rVB2	189	241	0.10%	0.014%
19	7.287	881	883	886	rVB2	237	204	0.09%	0.012%
20	7.397	898	901	902	rBV	177	165	0.07%	0.010%
21	7.458	909	911	914	rBV	176	164	0.07%	0.010%
22	7.647	930	942	953	rBB2	44796	109747	46.14%	6.371%
23	7.726	953	955	958	rBV	127	157	0.07%	0.009%
24	7.958	983	993	1000	rVB8	1849	5332	2.24%	0.310%
25	8.031	1001	1005	1010	rBB3	551	954	0.40%	0.055%
26	8.159	1020	1026	1030	rBB2	438	777	0.33%	0.045%
27	8.275	1033	1045	1060	rBV2	77997	237874	100.00%	13.808%
28	8.580	1089	1095	1099	rVB4	1004	2054	0.86%	0.119%
29	8.695	1109	1114	1119	rVV3	677	1258	0.53%	0.073%
30	8.842	1129	1138	1148	rVV	97352	192059	80.74%	11.149%
31	9.092	1174	1179	1183	rBV2	884	1530	0.64%	0.089%
32	9.275	1201	1209	1215	rBV	53906	110382	46.40%	6.408%
33	9.512	1244	1248	1253	rBV2	468	781	0.33%	0.045%
34	9.610	1258	1264	1269	rBB2	484	842	0.35%	0.049%
35	9.659	1269	1272	1275	rBB2	236	307	0.13%	0.018%
36	9.750	1281	1287	1291	rBV3	597	966	0.41%	0.056%

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 Title : SFAM01.0

37	9.890	1308	1310	1312	rBV	458	506	0.21%	0.029%
38	9.957	1316	1321	1325	rVV3	518	1050	0.44%	0.061%
39	10.030	1327	1333	1341	rVV	18191	33253	13.98%	1.930%
40	10.091	1341	1343	1346	rVV3	439	520	0.22%	0.030%
41	10.213	1357	1363	1368	rBV2	760	1348	0.57%	0.078%
42	10.323	1374	1381	1387	rBV	80290	143470	60.31%	8.328%
43	10.384	1387	1391	1399	rVB	8943	15739	6.62%	0.914%
44	10.500	1404	1410	1414	rVB3	1159	1778	0.75%	0.103%
45	10.579	1417	1423	1430	rVB	8362	14280	6.00%	0.829%
46	10.658	1431	1436	1437	rBV2	1094	1218	0.51%	0.071%
47	10.701	1438	1443	1450	rVB	12191	20705	8.70%	1.202%
48	10.860	1462	1469	1474	rBV5	2652	4884	2.05%	0.284%
49	10.921	1474	1479	1488	rVV	20328	34436	14.48%	1.999%
50	11.061	1495	1502	1509	rBV2	4548	7796	3.28%	0.453%
51	11.110	1509	1510	1514	rVB	227	151	0.06%	0.009%
52	11.177	1516	1521	1525	rBV2	1541	2466	1.04%	0.143%
53	11.231	1525	1530	1533	rBV3	2219	3437	1.44%	0.200%
54	11.280	1536	1538	1540	rBV2	289	275	0.12%	0.016%
55	11.341	1544	1548	1551	rBV4	761	1034	0.43%	0.060%
56	11.433	1556	1563	1571	rBV2	14822	24130	10.14%	1.401%
57	11.628	1589	1595	1603	rBV	65880	113003	47.51%	6.560%
58	11.725	1608	1611	1616	rVB4	1892	2905	1.22%	0.169%
59	11.835	1623	1629	1636	rBV2	6424	11491	4.83%	0.667%
60	12.067	1664	1667	1671	rBB	131	162	0.07%	0.009%
61	12.164	1675	1683	1689	rBV	5875	9652	4.06%	0.560%
62	12.244	1693	1696	1702	rVB	223	305	0.13%	0.018%
63	12.304	1702	1706	1707	rBV	373	353	0.15%	0.020%
64	12.341	1707	1712	1714	rBV2	864	1432	0.60%	0.083%
65	12.469	1728	1733	1739	rBV	10770	17464	7.34%	1.014%
66	12.603	1749	1755	1762	rVB2	41589	72153	30.33%	4.188%
67	12.689	1762	1769	1776	rBV	26416	45087	18.95%	2.617%
68	12.743	1776	1778	1779	rBV2	358	309	0.13%	0.018%
69	12.780	1781	1784	1786	rBV2	695	961	0.40%	0.056%
70	13.018	1819	1823	1830	rVB5	2419	4091	1.72%	0.237%
71	13.073	1830	1832	1834	rBV2	725	720	0.30%	0.042%
72	13.158	1842	1846	1847	rBV	440	517	0.22%	0.030%
73	13.249	1855	1861	1862	rBV	3605	4195	1.76%	0.244%
74	13.292	1864	1868	1880	rVB4	11143	27036	11.37%	1.569%
75	13.554	1906	1911	1924	rBV	21681	39465	16.59%	2.291%
76	13.762	1938	1945	1948	rBV4	1323	2350	0.99%	0.136%

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77	13.853	1953	1960	1967	rBV2	18190	35624	14.98%	2.068%
78	14.066	1989	1995	2002	rBV2	13020	22292	9.37%	1.294%
79	14.194	2014	2016	2021	rVB3	522	605	0.25%	0.035%
80	14.286	2023	2031	2032	rBV2	1901	2882	1.21%	0.167%
81	14.389	2046	2048	2049	rBV	354	235	0.10%	0.014%
82	14.517	2063	2069	2079	rVB4	4586	12453	5.24%	0.723%
83	14.621	2083	2086	2088	rBV2	174	169	0.07%	0.010%
84	14.688	2095	2097	2098	rBV	244	147	0.06%	0.009%
85	14.719	2098	2102	2107	rVV3	2161	2996	1.26%	0.174%
86	14.847	2122	2123	2126	rVB2	222	215	0.09%	0.012%
87	14.944	2126	2139	2152	rBV2	24212	74716	31.41%	4.337%
88	15.048	2153	2156	2157	rBV	421	365	0.15%	0.021%
89	15.225	2179	2185	2190	rBV5	624	1481	0.62%	0.086%
90	15.328	2197	2202	2204	rBV2	662	1214	0.51%	0.070%
91	15.432	2215	2219	2223	rBV2	2744	4275	1.80%	0.248%
92	15.487	2223	2228	2234	rVB2	4038	7142	3.00%	0.415%
93	15.548	2234	2238	2240	rVB3	551	761	0.32%	0.044%
94	15.633	2240	2252	2266	rVB3	6065	22530	9.47%	1.308%
95	15.761	2269	2273	2276	rBV3	350	471	0.20%	0.027%
96	15.786	2276	2277	2281	rVB2	503	543	0.23%	0.032%
97	15.834	2281	2285	2287	rBV	432	476	0.20%	0.028%
98	15.926	2294	2300	2302	rBV4	1040	1935	0.81%	0.112%
99	16.109	2325	2330	2332	rBV3	640	1203	0.51%	0.070%
100	16.627	2413	2415	2416	rBV2	385	380	0.16%	0.022%

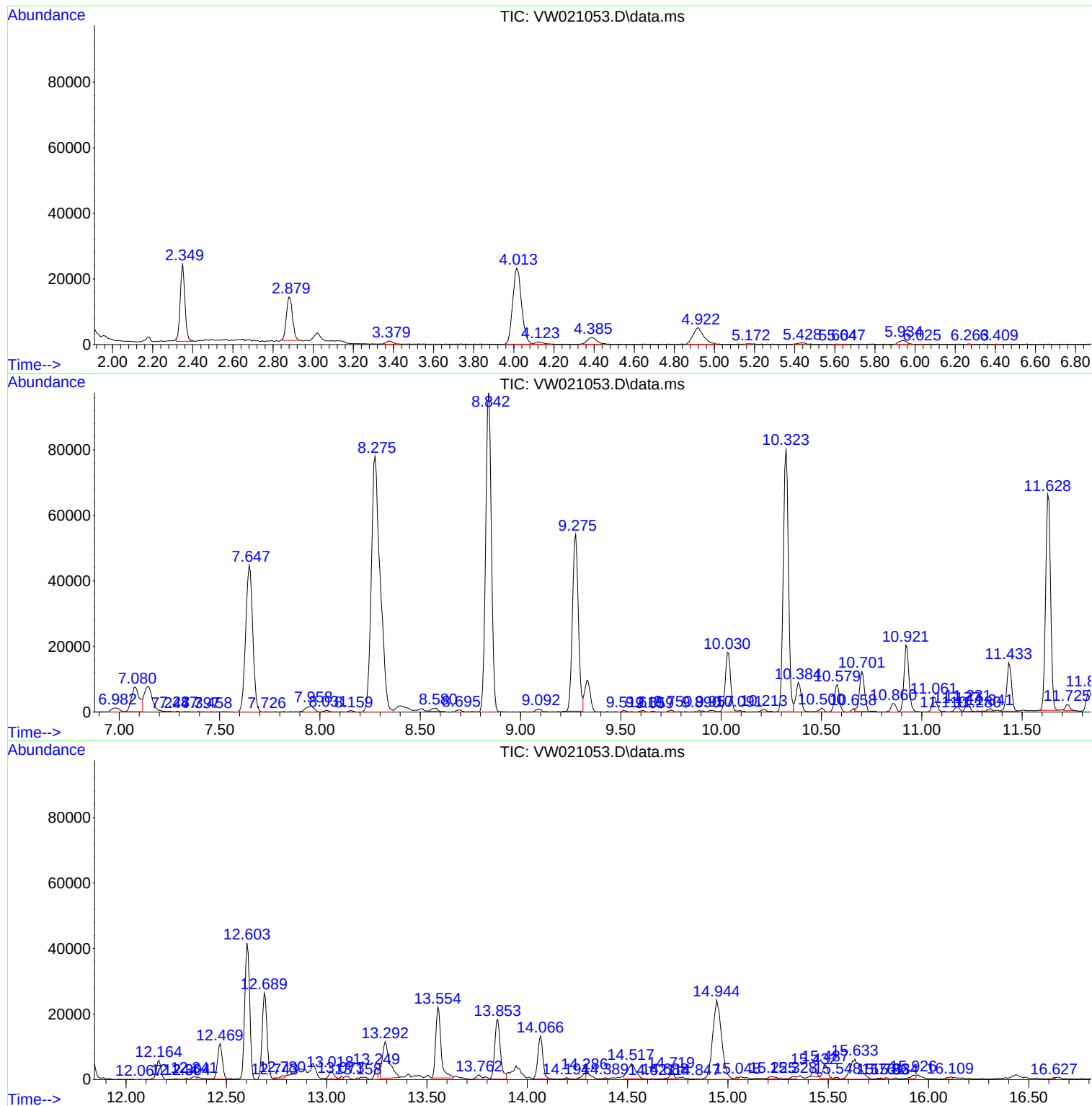
Sum of corrected areas: 1722678

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

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



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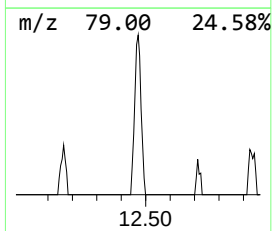
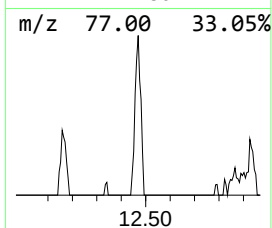
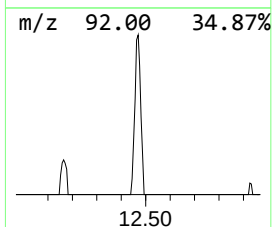
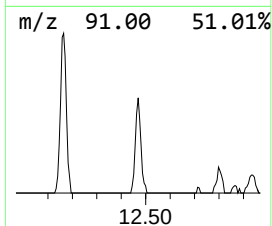
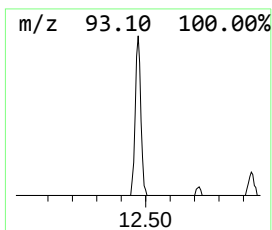
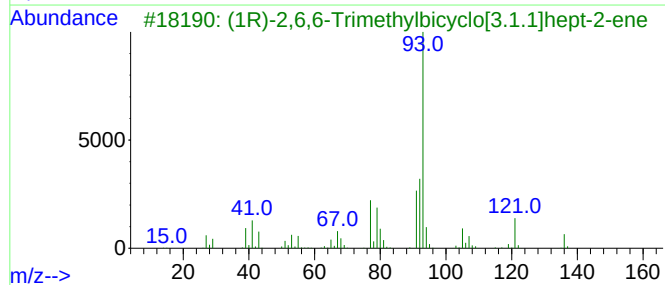
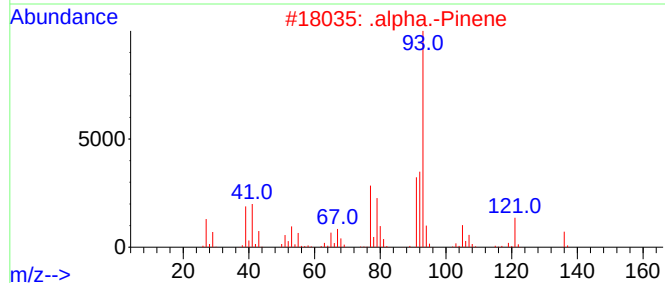
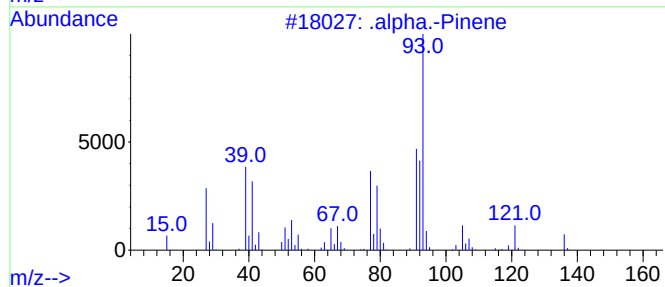
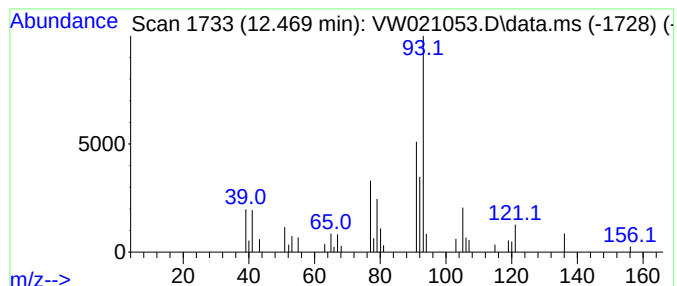
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

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

Peak Number 6 .alpha.-Pinene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	3.86 ug/L	17464	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	.	alpha.-Pinene	136	C10H16	000080-56-8	93	
2	.	alpha.-Pinene	136	C10H16	000080-56-8	87	
3	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	87		
4	.gamma.-Terpinene	136	C10H16	000099-85-4	87		
5	.	alpha.-Pinene	136	C10H16	000080-56-8	83	



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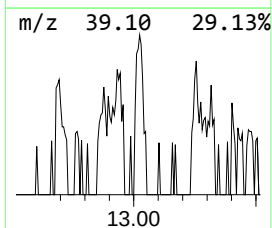
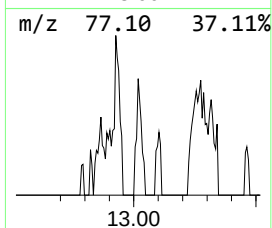
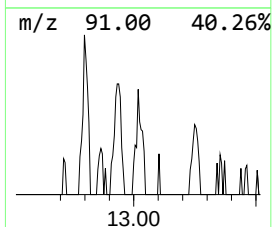
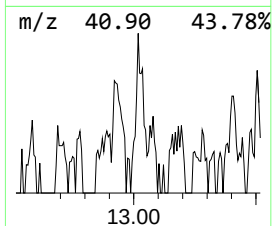
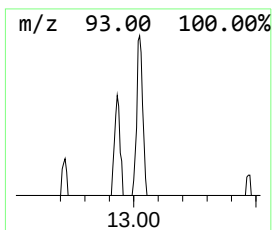
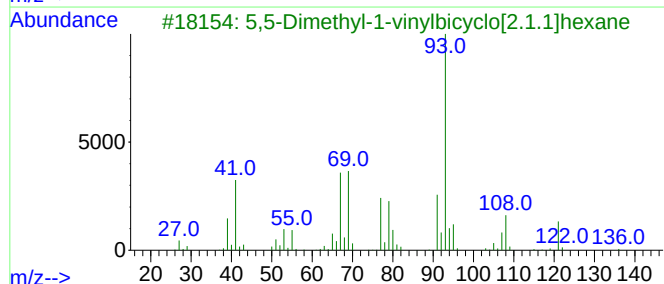
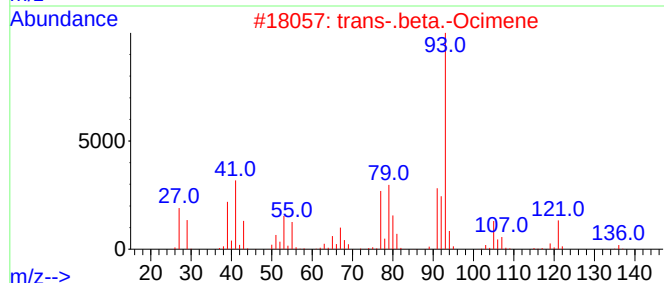
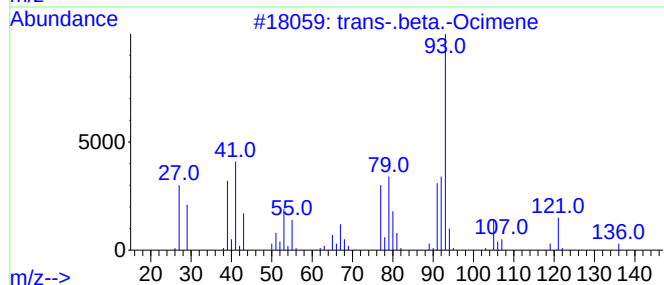
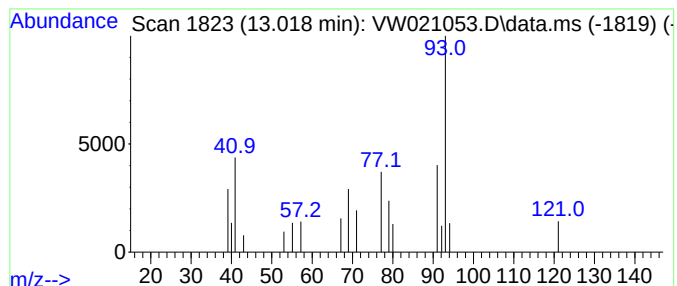
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

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

Peak Number 8 trans-.beta.-Ocimene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.018	2.59 ug/L	4091	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-.beta.-Ocimene	136	C10H16	003779-61-1	50
2			trans-.beta.-Ocimene	136	C10H16	003779-61-1	50
3			5,5-Dimethyl-1-vinylbicyclo[2.1....	136	C10H16	016626-39-4	50
4			Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	45
5			3,5-Methanocyclopentapyrazole, 3...	164	C10H16N2	087143-58-6	45



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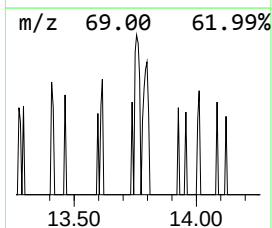
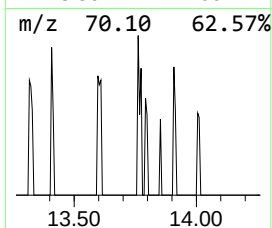
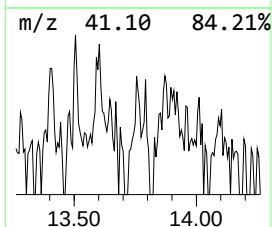
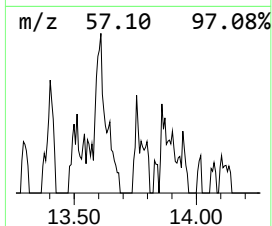
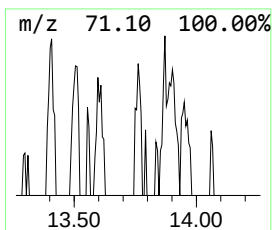
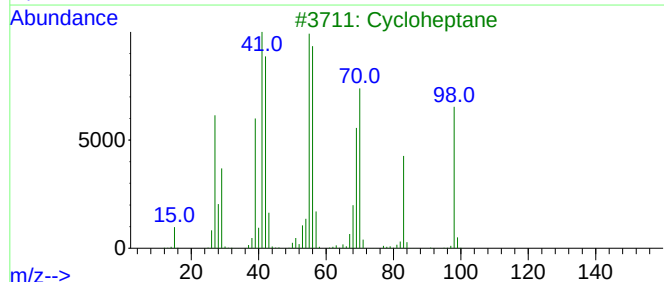
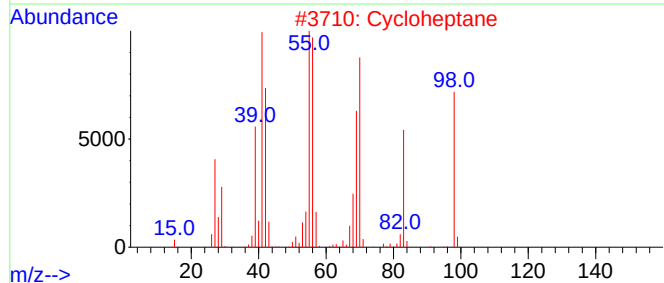
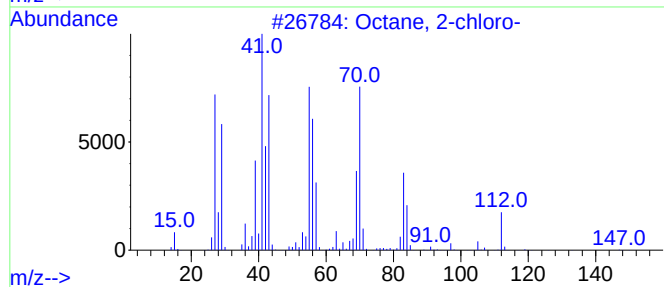
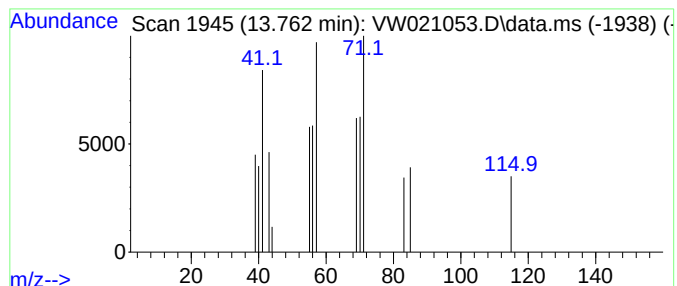
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Quant Title : SFAM01.0

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TIC Integration Parameters: LSCINT.P

Peak Number 9 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.762	1.49 ug/L	2350	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-chloro-			148	C8H17Cl	000628-61-5	35
2	Cycloheptane			98	C7H14	000291-64-5	32
3	Cycloheptane			98	C7H14	000291-64-5	32
4	Aziridine, 2,2-dimethyl-			71	C4H9N	002658-24-4	25
5	(2,2-Dimethylcyclobutyl)methylamine			113	C7H15N	1000195-04-0	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021053.D
Acq On : 02 Dec 2021 17:38
Operator : SY/VA
Sample : M4881-01RE
Misc : 4.95g/10.0mL/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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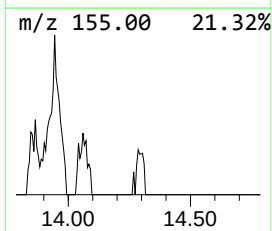
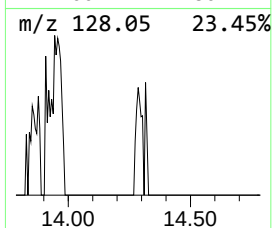
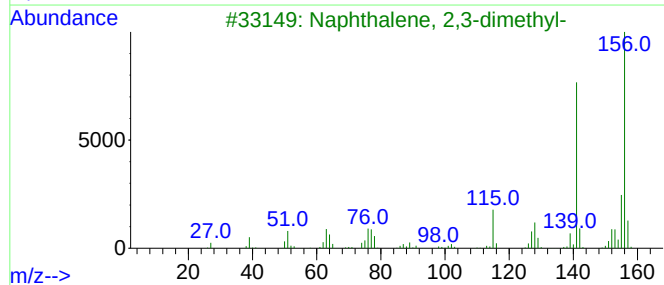
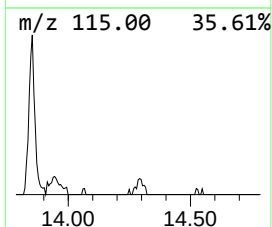
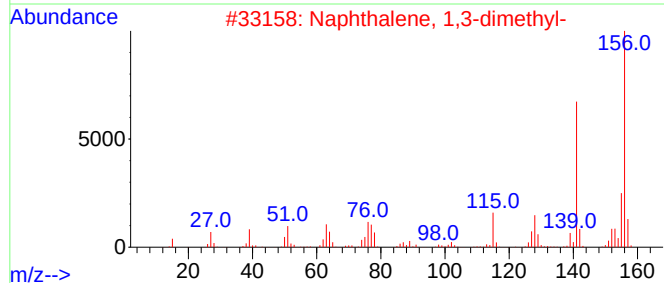
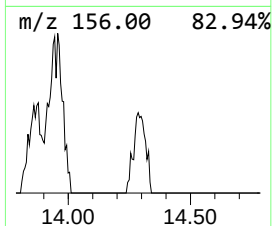
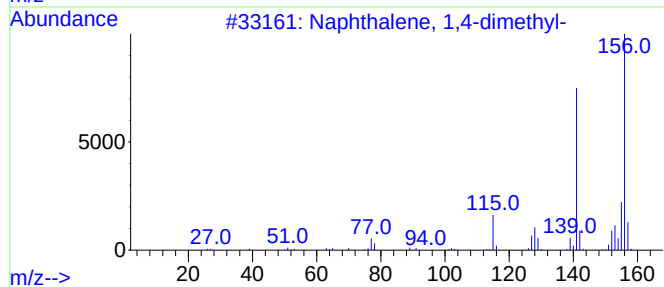
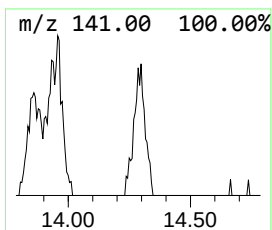
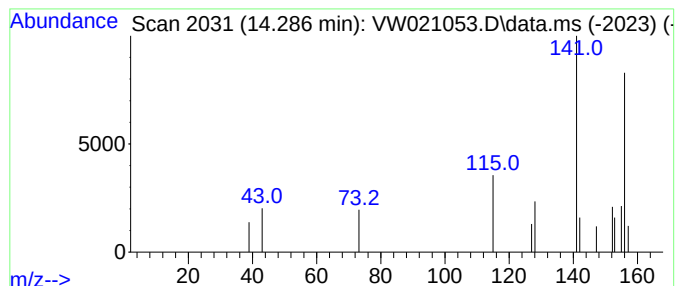
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Quant Title : SFAM01.0

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

Peak Number 11 Naphthalene, 1,4-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.286	1.83 ug/L	2882	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	81
2			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	81
3			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	81
4			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	81
5			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021053.D
Acq On : 02 Dec 2021 17:38
Operator : SY/VA
Sample : M4881-01RE
Misc : 4.95g/10.0mL/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9D7RE

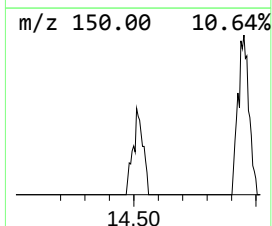
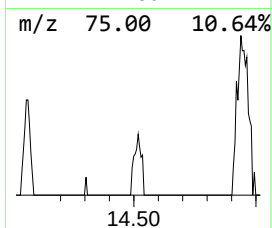
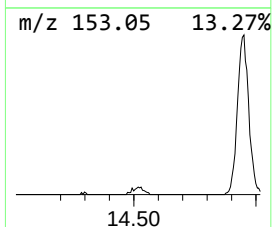
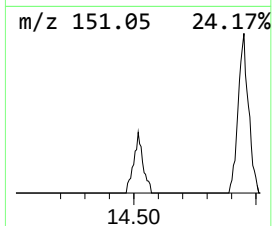
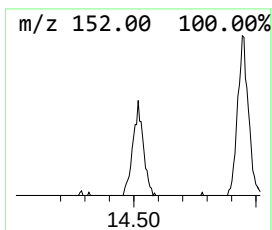
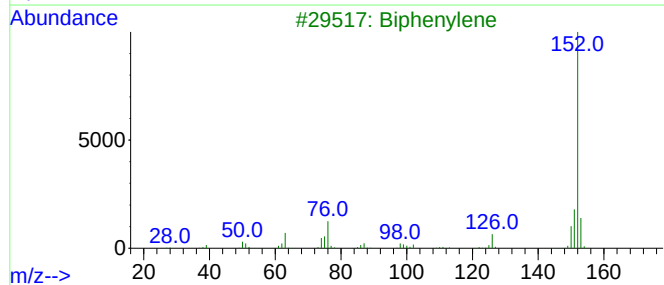
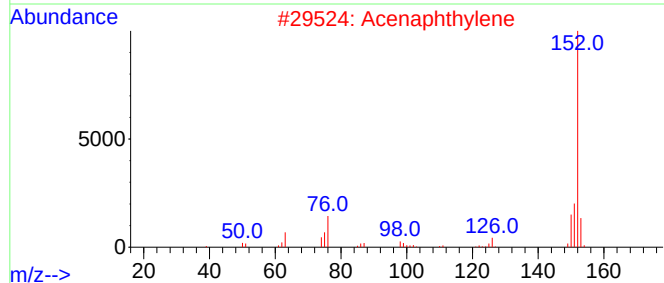
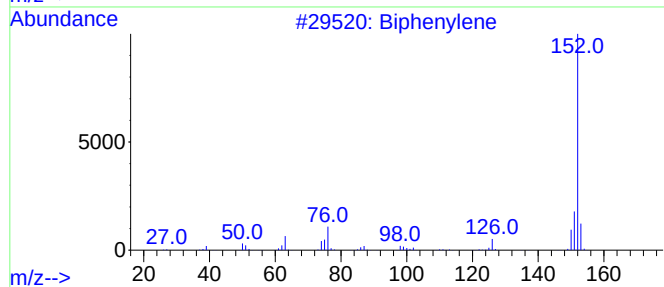
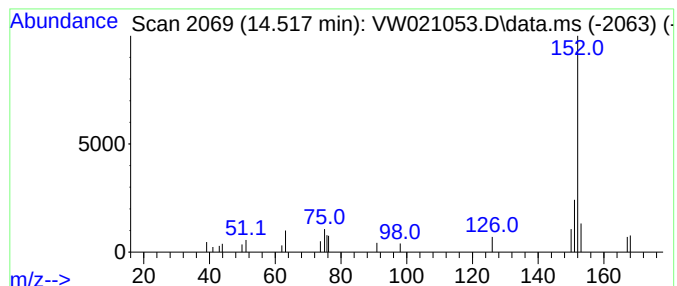
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Quant Title : SFAM01.0

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

Peak Number 12 Biphenylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.518	7.89 ug/L	12453	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Biphenylene	152	C12H8	000259-79-0	90
2			Acenaphthylene	152	C12H8	000208-96-8	87
3			Biphenylene	152	C12H8	000259-79-0	86
4			Acenaphthylene	152	C12H8	000208-96-8	80
5			Acenaphthylene	152	C12H8	000208-96-8	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021053.D
Acq On : 02 Dec 2021 17:38
Operator : SY/VA
Sample : M4881-01RE
Misc : 4.95g/10.0mL/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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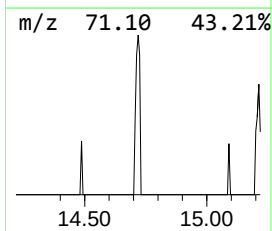
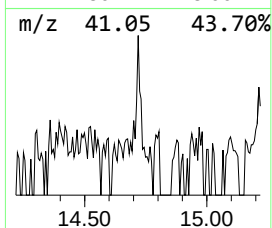
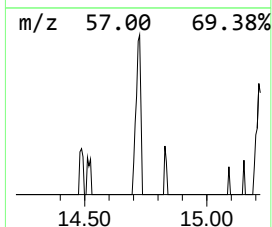
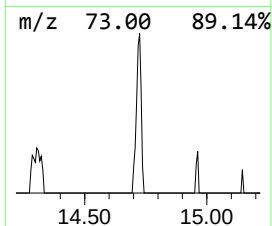
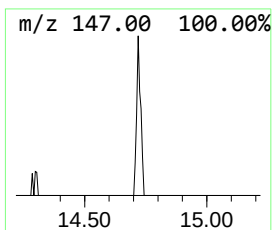
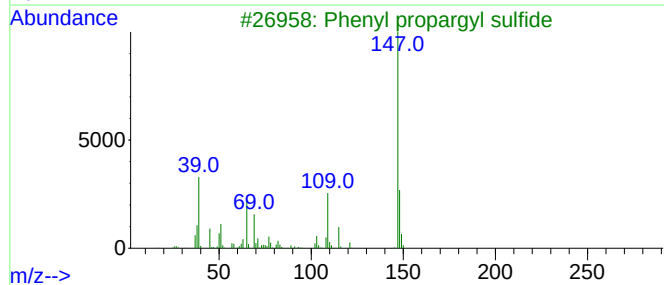
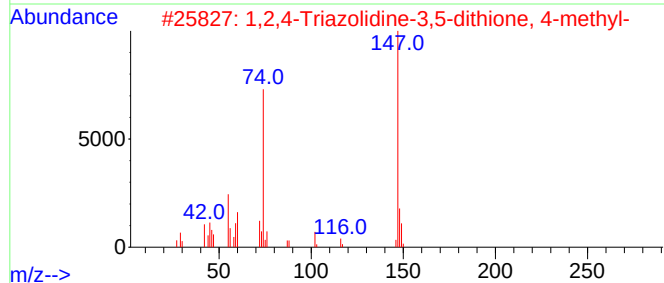
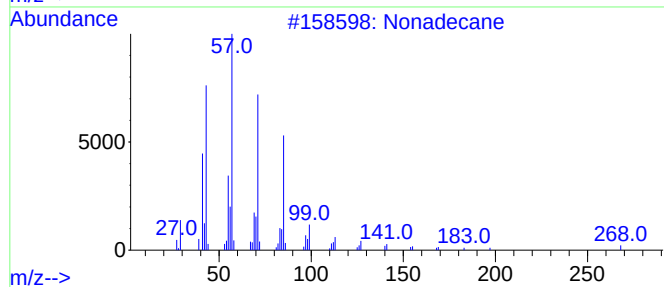
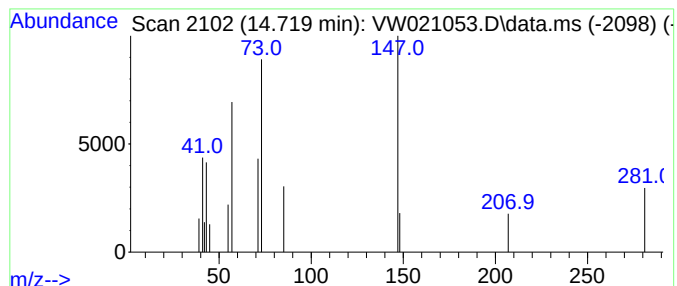
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.719	1.90 ug/L	2996	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonadecane	268	C19H40	000629-92-5	10
2		1,2,4-Triazolidine-3,5-dithione,...	147	C3H5N3S2	013625-51-9	9
3		Phenyl propargyl sulfide	148	C9H8S	005651-88-7	9
4		2-Methyl-1,3-propanediol, 2TMS d...	234	C10H26O2Si2	105857-43-0	9
5		Glycolic acid, 2TMS derivative	220	C8H20O3Si2	033581-77-0	9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021053.D
Acq On : 02 Dec 2021 17:38
Operator : SY/VA
Sample : M4881-01RE
Misc : 4.95g/10.0mL/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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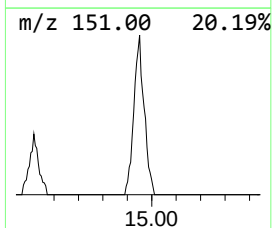
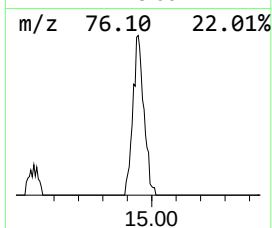
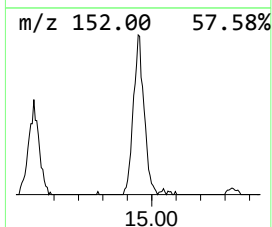
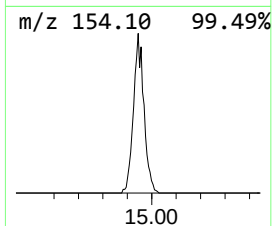
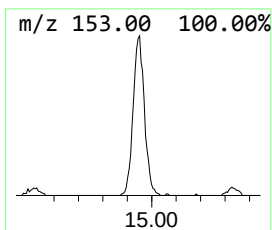
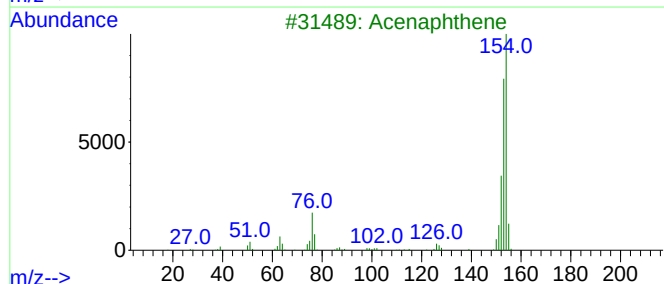
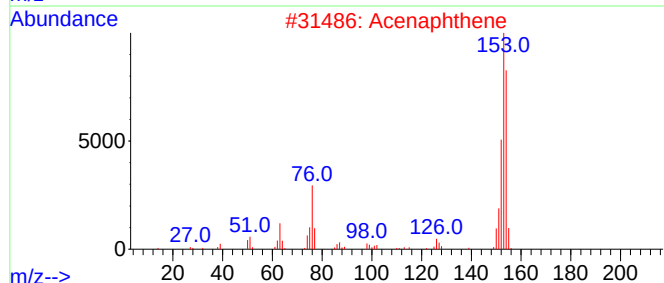
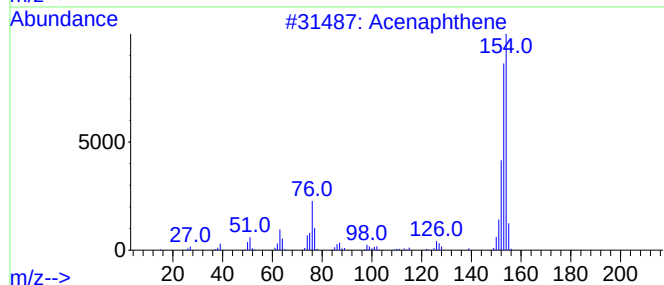
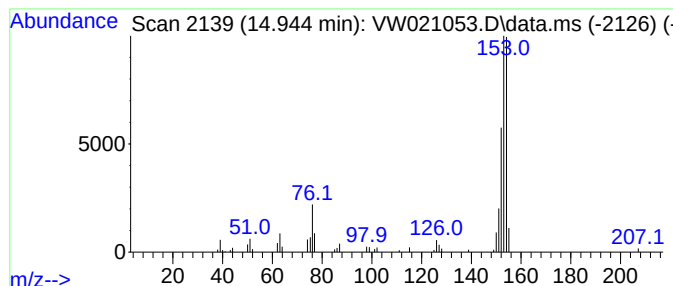
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Quant Title : SFAM01.0

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

Peak Number 14 Acenaphthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.944	47.33 ug/L	74716	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acenaphthene	154	C12H10	000083-32-9	90
2			Acenaphthene	154	C12H10	000083-32-9	86
3			Acenaphthene	154	C12H10	000083-32-9	68
4			Hexa-2,4-diyn-1-ylbenzene	154	C12H10	000520-74-1	64
5			Acenaphthene	154	C12H10	000083-32-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021053.D
Acq On : 02 Dec 2021 17:38
Operator : SY/VA
Sample : M4881-01RE
Misc : 4.95g/10.0mL/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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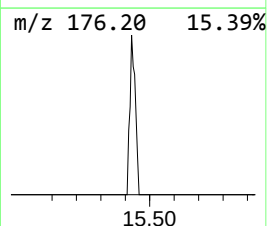
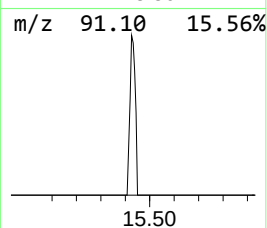
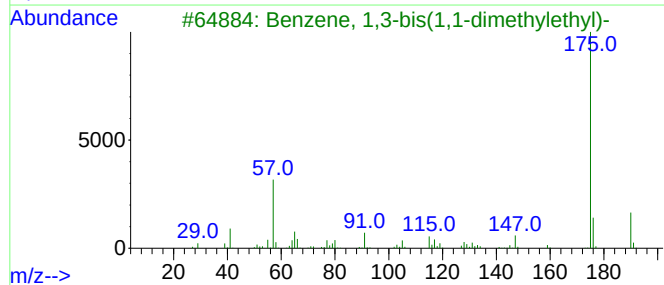
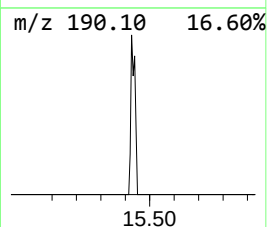
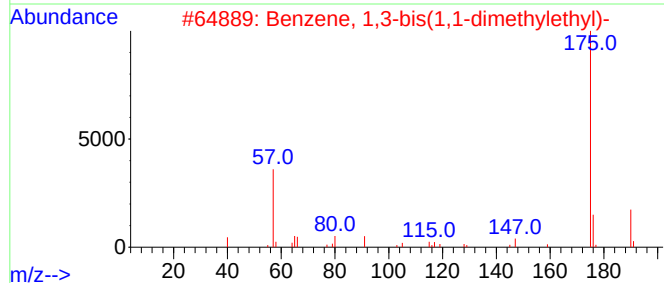
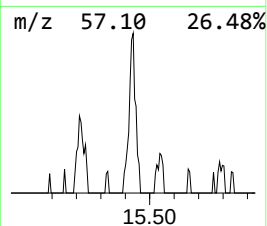
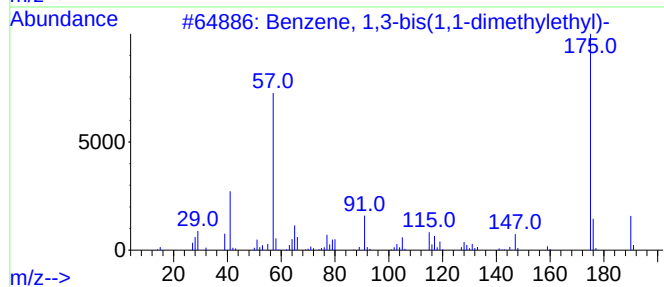
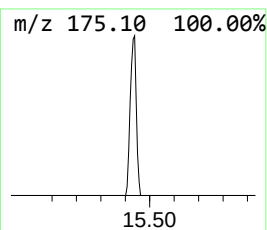
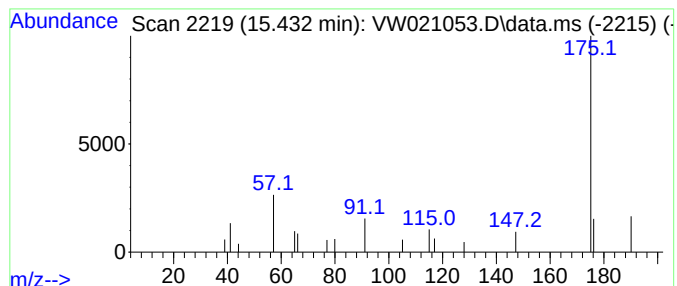
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Quant Title : SFAM01.0

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

Peak Number 15 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.432	2.71 ug/L	4275	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	90
2			Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	86
3			Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	80
4			Benzene, 1,4-bis(1,1-dimethyleth...	190	C14H22	001012-72-2	72
5			Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021053.D
Acq On : 02 Dec 2021 17:38
Operator : SY/VA
Sample : M4881-01RE
Misc : 4.95g/10.0mL/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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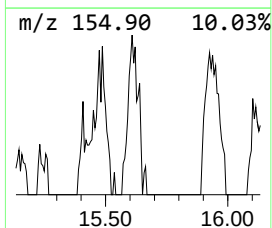
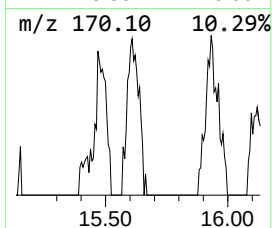
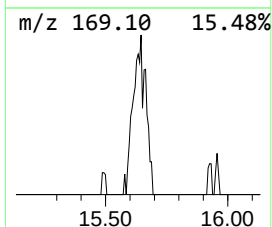
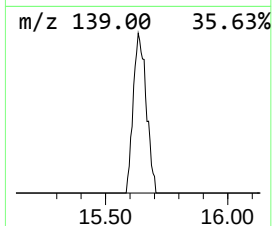
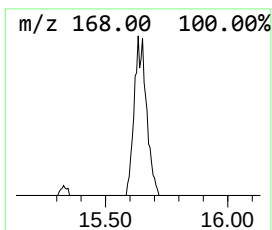
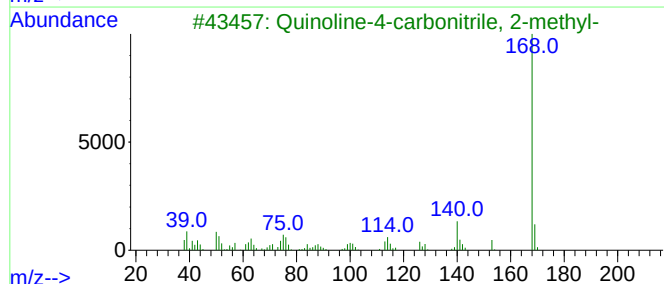
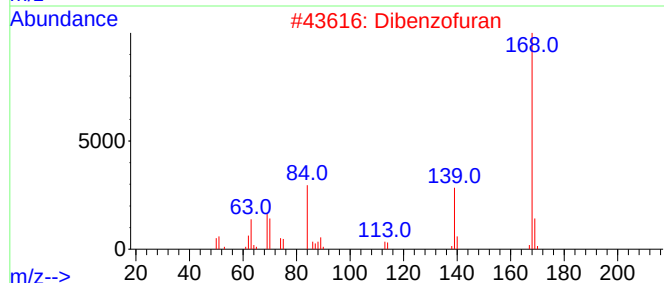
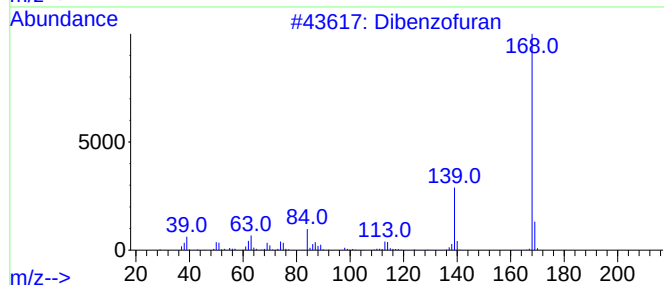
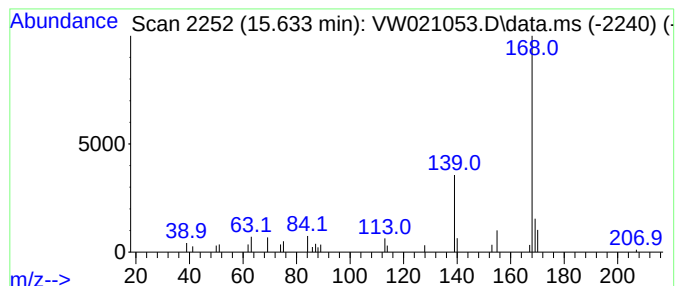
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Quant Title : SFAM01.0

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

Peak Number 17 Dibenzofuran Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.633	14.27 ug/L	22530	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzofuran	168	C12H8O	000132-64-9	74
2			Dibenzofuran	168	C12H8O	000132-64-9	72
3			Quinoline-4-carbonitrile, 2-methyl-	168	C11H8N2	1000317-19-2	58
4			2-Amino-6-fluorobenzothiazole	168	C7H5FN2S	000348-40-3	53
5			1-Naphthalenecarbonitrile, 8-amino-	168	C11H8N2	038515-13-8	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021053.D
Acq On : 02 Dec 2021 17:38
Operator : SY/VA
Sample : M4881-01RE
Misc : 4.95g/10.0mL/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9D7RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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trans-.beta.-Oc...	13.018	2.6	ug/L	4091	3	13.554	39465	25.0
unknown-01	13.762	1.5	ug/L	2350	3	13.554	39465	25.0
Naphthalene, 1,...	14.286	1.8	ug/L	2882	3	13.554	39465	25.0
Biphenylene	14.518	7.9	ug/L	12453	3	13.554	39465	25.0
(DEL) Alkane: S...	14.719	1.9	ug/L	2996	3	13.554	39465	25.0
Acenaphthene	14.944	47.3	ug/L	74716	3	13.554	39465	25.0
Benzene, 1,3-bi...	15.432	2.7	ug/L	4275	3	13.554	39465	25.0
Dibenzofuran	15.633	14.3	ug/L	22530	3	13.554	39465	25.0