

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
 Data File : VW021499.D
 Acq On : 20 Dec 2021 15:37
 Operator : SY/VA
 Sample : VIBLK553
 Misc : 5.00g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK553

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: VW021499.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.355	68	74	84	rVB	43231	72946	1.70%	0.461%
2	2.885	154	161	174	rVB	25701	55259	1.29%	0.349%
3	3.391	236	244	249	rBB2	786	1779	0.04%	0.011%
4	3.544	266	269	271	rBV	173	237	0.01%	0.001%
5	3.696	290	294	297	rBB	122	172	0.00%	0.001%
6	3.721	297	298	302	rBV	140	163	0.00%	0.001%
7	4.019	336	347	360	rBV	77225	213078	4.98%	1.347%
8	4.117	361	363	364	rBV	539	404	0.01%	0.003%
9	4.251	383	385	386	rBV	175	170	0.00%	0.001%
10	4.379	401	406	407	rBV2	648	808	0.02%	0.005%
11	4.915	482	494	510	rBB3	11322	36097	0.84%	0.228%
12	5.037	511	514	515	rBV3	166	132	0.00%	0.001%
13	5.129	525	529	531	rBV	175	227	0.01%	0.001%
14	5.245	545	548	549	rBV	156	153	0.00%	0.001%
15	5.348	563	565	566	rBV	135	124	0.00%	0.001%
16	5.434	576	579	580	rBV	208	216	0.01%	0.001%
17	5.488	586	588	591	rVV	138	196	0.00%	0.001%
18	5.635	608	612	615	rBV	182	289	0.01%	0.002%
19	5.873	648	651	653	rBV	160	192	0.00%	0.001%
20	5.946	656	663	672	rVV5	1759	5111	0.12%	0.032%
21	6.025	674	676	679	rVV	159	147	0.00%	0.001%
22	6.055	679	681	685	rVB	167	220	0.01%	0.001%
23	6.446	743	745	749	rVB	173	165	0.00%	0.001%
24	6.555	762	763	766	rVB	185	133	0.00%	0.001%
25	6.604	766	771	774	rBB	162	230	0.01%	0.001%
26	6.635	774	776	779	rBV	144	180	0.00%	0.001%
27	6.708	786	788	790	rVB	146	151	0.00%	0.001%
28	6.763	796	797	801	rBB	123	123	0.00%	0.001%
29	6.866	811	814	815	rVB	142	124	0.00%	0.001%
30	6.897	818	819	822	rBV	136	127	0.00%	0.001%
31	6.988	833	834	836	rBV	138	122	0.00%	0.001%
32	7.080	840	849	856	rBV	12514	35023	0.82%	0.221%
33	7.287	880	883	885	rVB	175	185	0.00%	0.001%
34	7.397	898	901	902	rBV2	144	147	0.00%	0.001%
35	7.415	902	904	907	rVB2	156	158	0.00%	0.001%
36	7.439	907	908	911	rBV2	142	146	0.00%	0.001%

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37	7.476	911	914	915	rVB	131	136	0.00%	0.001%
38	7.525	918	922	924	rVV2	239	267	0.01%	0.002%
39	7.543	924	925	931	rVB	233	280	0.01%	0.002%
40	7.653	932	943	954	rVV	100503	248269	5.80%	1.570%
41	7.769	960	962	965	rBV	136	211	0.00%	0.001%
42	7.817	967	970	973	rBV	113	181	0.00%	0.001%
43	7.854	975	976	978	rVB	174	120	0.00%	0.001%
44	7.884	978	981	982	rBV	118	115	0.00%	0.001%
45	7.915	982	986	994	rVB3	212	365	0.01%	0.002%
46	7.976	994	996	999	rVB3	145	119	0.00%	0.001%
47	8.031	999	1005	1008	rBV2	281	481	0.01%	0.003%
48	8.079	1011	1013	1016	rBV	137	173	0.00%	0.001%
49	8.153	1022	1025	1030	rVB2	555	779	0.02%	0.005%
50	8.275	1033	1045	1059	rBV2	221577	630570	14.73%	3.987%
51	8.695	1109	1114	1122	rVB5	1050	1988	0.05%	0.013%
52	8.842	1129	1138	1149	rBV	193871	378962	8.85%	2.396%
53	8.933	1149	1153	1157	rVB3	570	776	0.02%	0.005%
54	8.988	1157	1162	1163	rBV2	296	426	0.01%	0.003%
55	9.079	1169	1177	1184	rBB6	1548	3321	0.08%	0.021%
56	9.165	1186	1191	1192	rBV	137	192	0.00%	0.001%
57	9.274	1199	1209	1225	rBV	132344	268063	6.26%	1.695%
58	9.573	1255	1258	1259	rBV	257	252	0.01%	0.002%
59	9.622	1264	1266	1268	rVV	127	115	0.00%	0.001%
60	9.671	1270	1274	1275	rBV	112	129	0.00%	0.001%
61	9.762	1283	1289	1297	rVB3	2122	4470	0.10%	0.028%
62	9.854	1301	1304	1305	rBV	205	183	0.00%	0.001%
63	9.890	1305	1310	1316	rBV	4389	8661	0.20%	0.055%
64	9.957	1317	1321	1325	rBV3	1436	2524	0.06%	0.016%
65	10.036	1327	1334	1341	rBV	75314	132040	3.08%	0.835%
66	10.177	1354	1357	1358	rBV	247	230	0.01%	0.001%
67	10.213	1358	1363	1365	rVV3	1228	1961	0.05%	0.012%
68	10.244	1365	1368	1374	rVV2	2324	3893	0.09%	0.025%
69	10.323	1374	1381	1387	rVV	346052	595410	13.91%	3.765%
70	10.390	1387	1392	1399	rVB	82927	149152	3.48%	0.943%
71	10.506	1406	1411	1416	rVB2	4821	8394	0.20%	0.053%
72	10.579	1416	1423	1433	rVB	45046	77490	1.81%	0.490%
73	10.658	1433	1436	1437	rBV2	415	407	0.01%	0.003%
74	10.701	1437	1443	1450	rBV	17994	32452	0.76%	0.205%
75	10.847	1460	1467	1473	rVB6	1284	2470	0.06%	0.016%
76	10.920	1473	1479	1488	rBV	51628	91158	2.13%	0.576%

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77	11.176	1517	1521	1526	rBV4	2292	3671	0.09%	0.023%
78	11.512	1571	1576	1581	rBV2	8352	14049	0.33%	0.089%
79	11.634	1588	1596	1605	rBV	280136	492345	11.50%	3.113%
80	11.731	1606	1612	1620	rVB	145849	233276	5.45%	1.475%
81	11.835	1622	1629	1640	rBV	499599	962228	22.48%	6.084%
82	12.164	1674	1683	1691	rBV	152308	271346	6.34%	1.716%
83	12.249	1694	1697	1702	rVB	13870	19580	0.46%	0.124%
84	12.463	1727	1732	1737	rBV	63351	106067	2.48%	0.671%
85	12.603	1752	1755	1760	rVB	68704	101502	2.37%	0.642%
86	12.695	1765	1770	1776	rVB	97071	158389	3.70%	1.001%
87	12.865	1792	1798	1801	rBV	121019	193266	4.52%	1.222%
88	12.932	1805	1809	1816	rVB2	236490	427831	10.00%	2.705%
89	13.249	1856	1861	1866	rBV	240766	367268	8.58%	2.322%
90	13.554	1907	1911	1920	rBV2	333141	591488	13.82%	3.740%
91	13.749	1940	1943	1947	rBV2	57999	96283	2.25%	0.609%
92	13.865	1955	1962	1968	rVB2	398993	896557	20.95%	5.669%
93	14.688	2093	2097	2098	rBV2	30005	41516	0.97%	0.262%
94	14.719	2099	2102	2108	rVB2	180608	244375	5.71%	1.545%
95	14.792	2109	2114	2119	rBV2	72691	173128	4.04%	1.095%
96	14.950	2136	2140	2147	rVB	84289	143482	3.35%	0.907%
97	15.359	2196	2207	2217	rBV	2285016	4280202	100.00%	27.062%
98	15.548	2233	2238	2247	rVB	276957	447127	10.45%	2.827%
99	16.432	2377	2383	2388	rBV	727483	1505793	35.18%	9.521%
100	16.486	2389	2392	2399	rVB	588117	973032	22.73%	6.152%

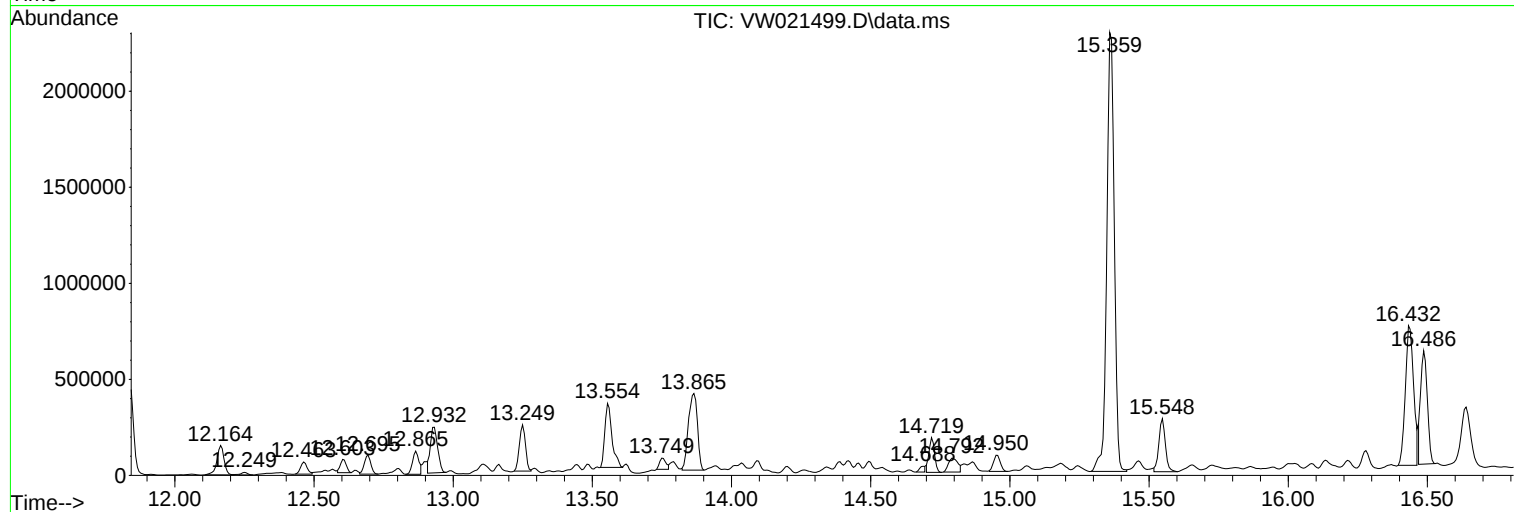
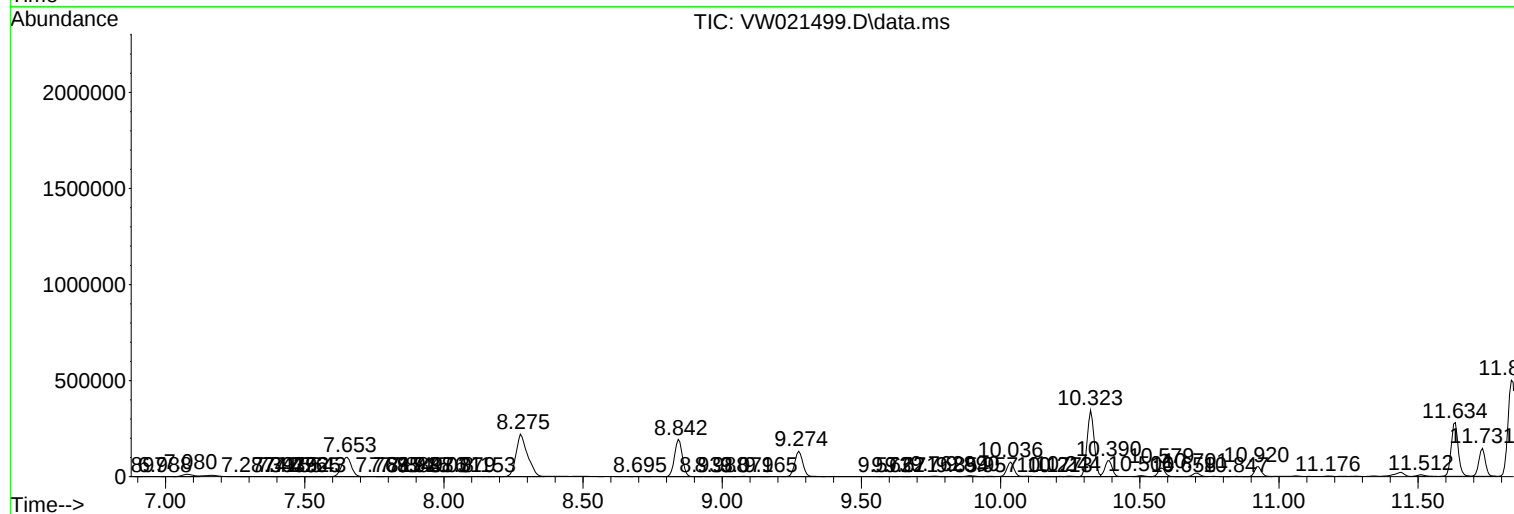
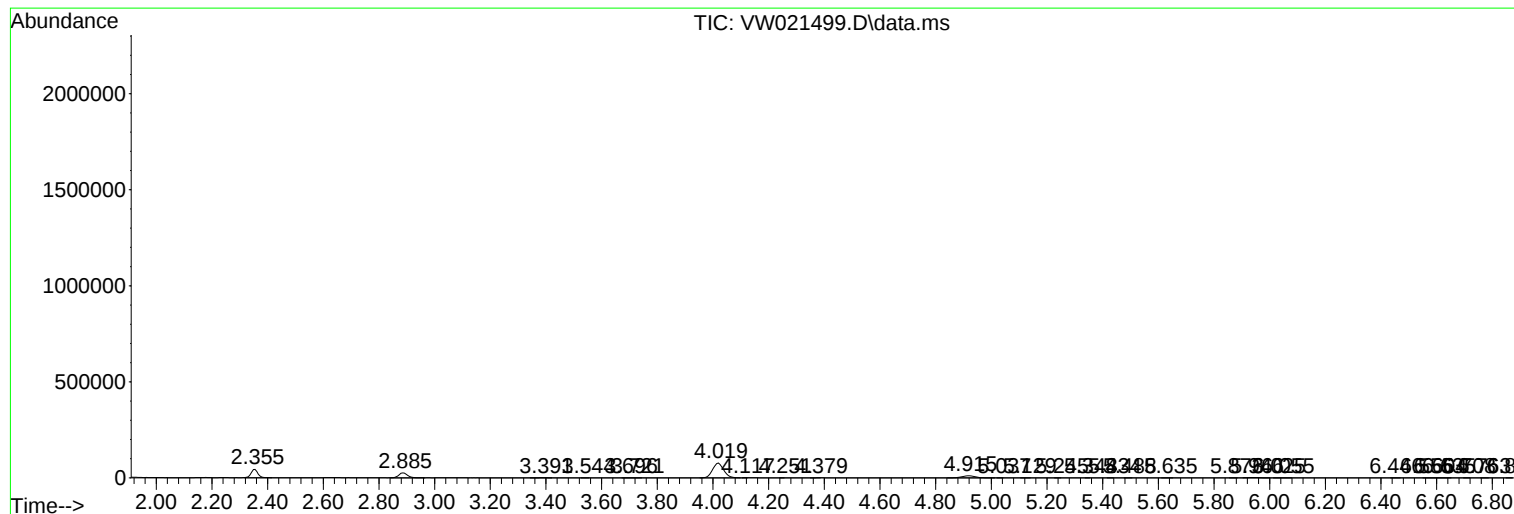
Sum of corrected areas: 15816120

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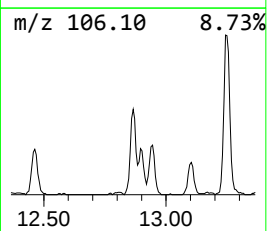
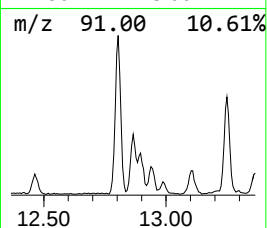
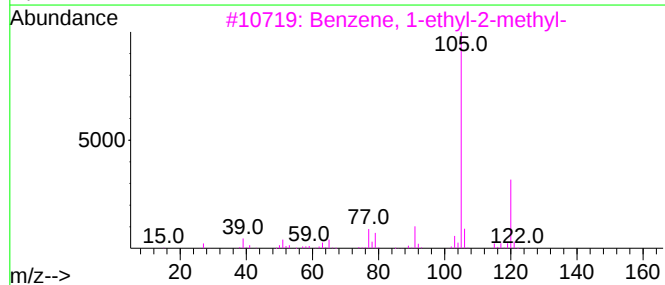
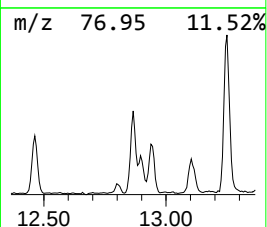
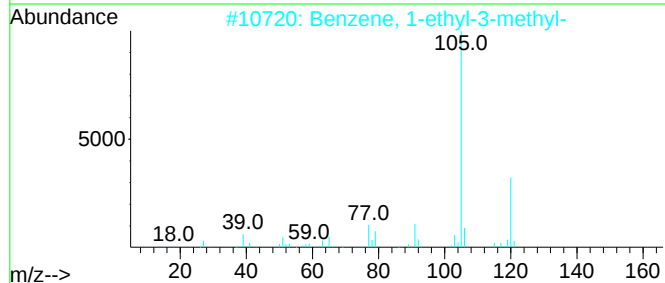
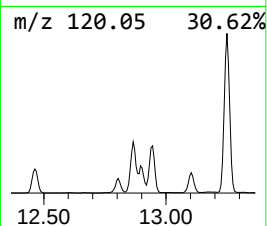
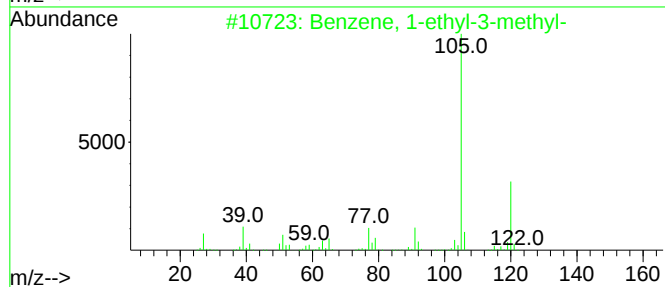
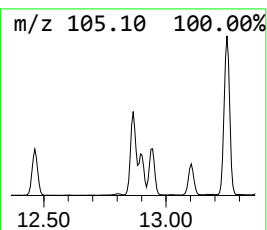
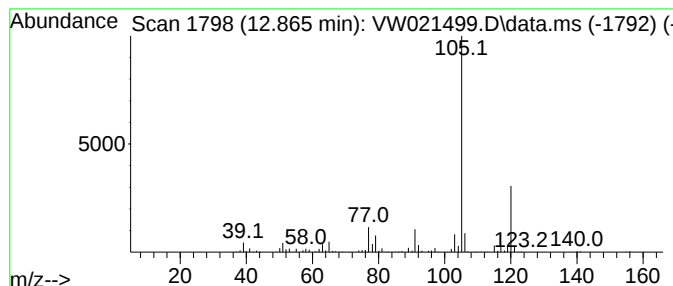
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	8.17 ug/L	193266	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
5			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94



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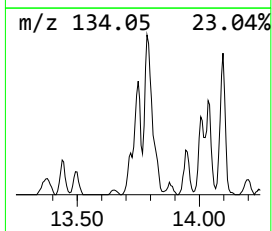
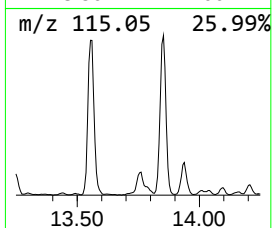
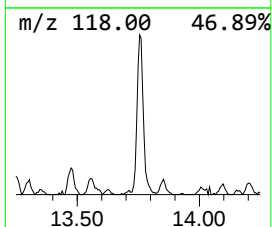
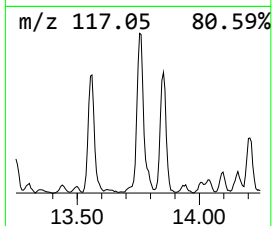
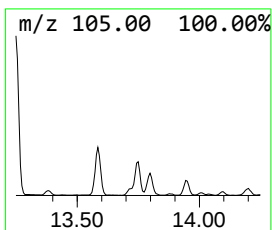
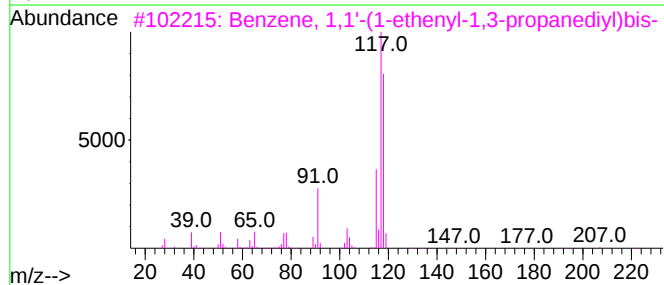
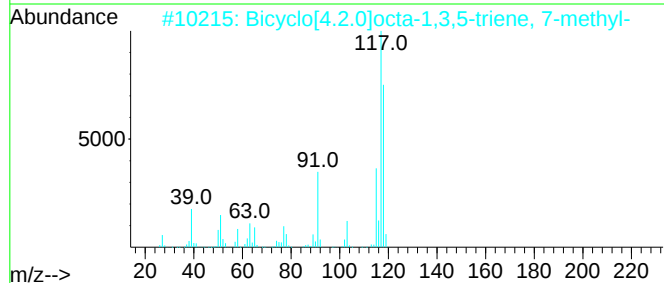
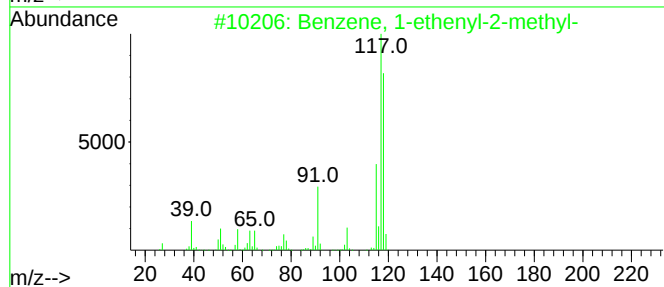
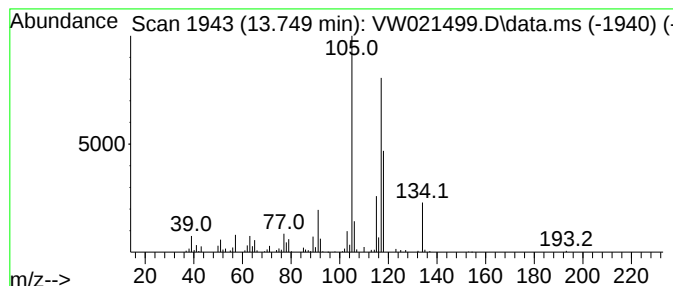
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 6 Benzene, 1-ethenyl-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.749	4.07 ug/L	96283	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	91
2			Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	64
3			Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	64
4			Benzene, cyclopropyl-	118	C9H10	000873-49-4	60
5			Indane	118	C9H10	000496-11-7	60



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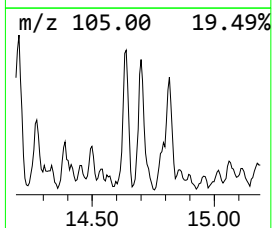
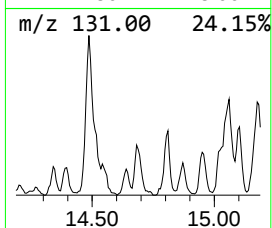
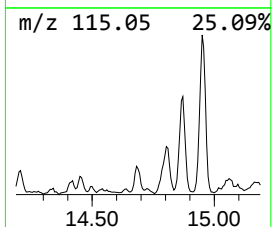
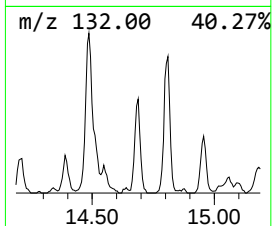
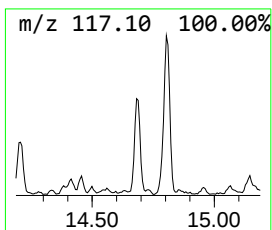
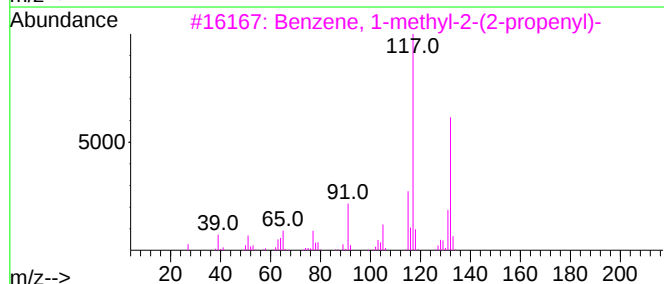
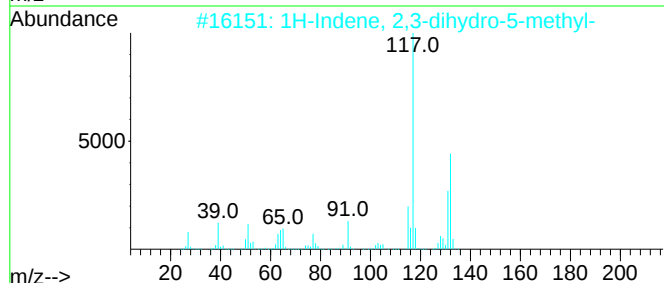
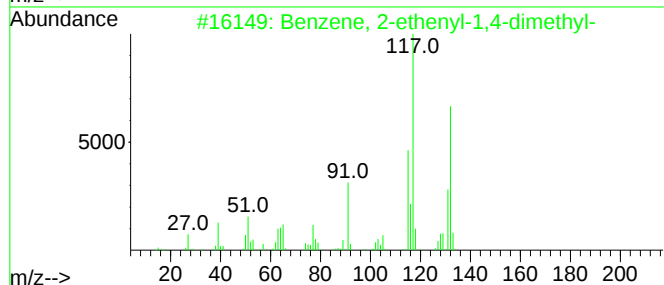
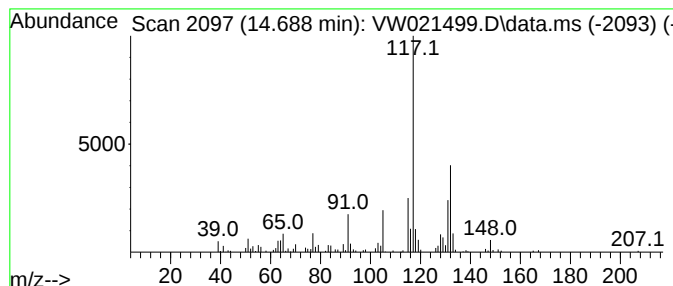
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 7 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.688	1.75 ug/L	41516	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
2			1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
3			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
4			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
5			Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021499.D
Acq On : 20 Dec 2021 15:37
Operator : SY/VA
Sample : VIBLK553
Misc : 5.00g/10.0mL/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK553

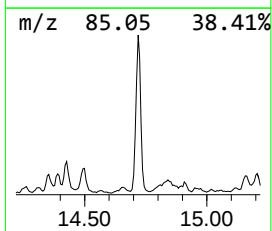
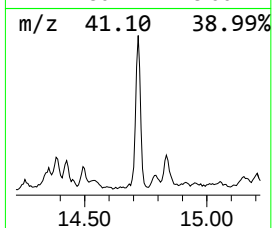
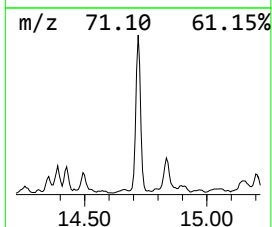
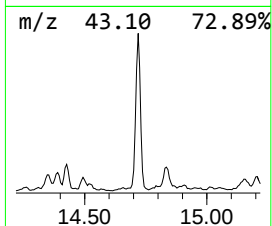
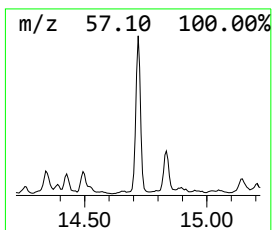
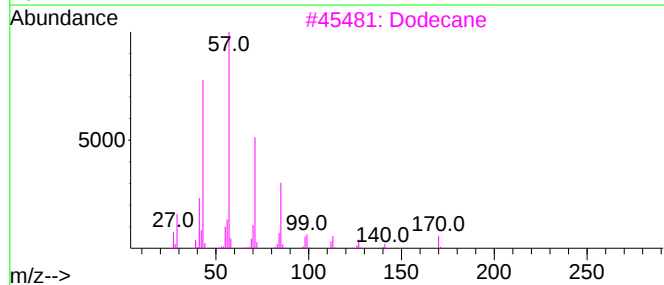
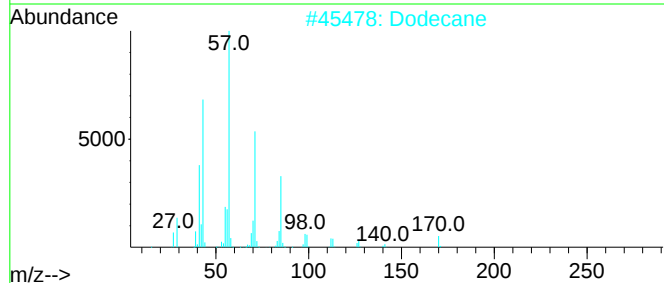
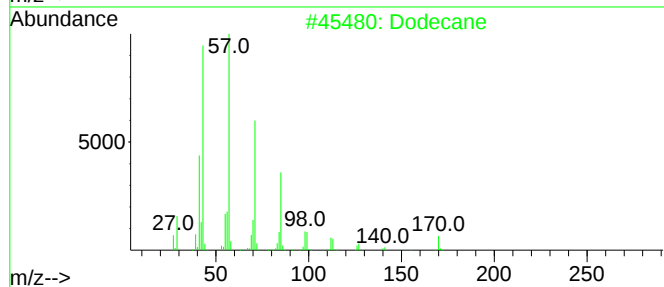
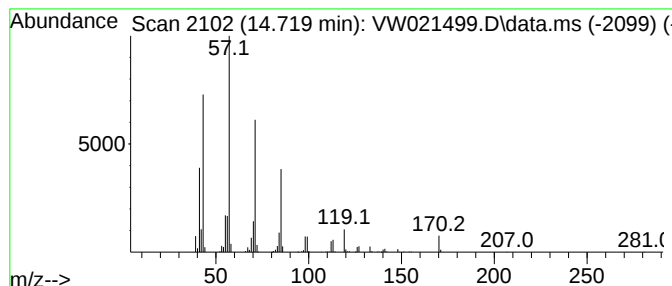
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.719	10.33 ug/L	244375	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane	170	C12H26	000112-40-3	96
2			Dodecane	170	C12H26	000112-40-3	96
3			Dodecane	170	C12H26	000112-40-3	93
4			Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	86
5			Carbonic acid, dodecyl vinyl ester	256	C15H28O3	1000382-54-8	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021499.D
Acq On : 20 Dec 2021 15:37
Operator : SY/VA
Sample : VIBLK553
Misc : 5.00g/10.0mL/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK553

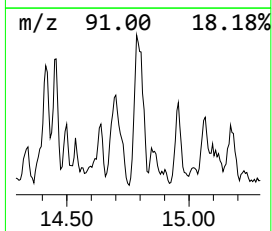
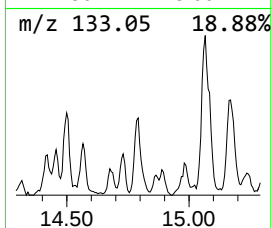
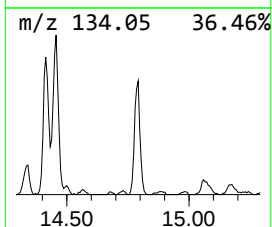
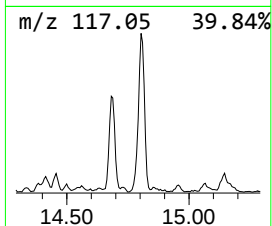
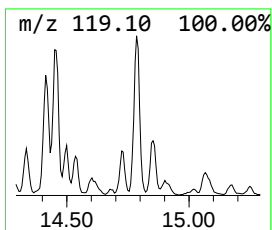
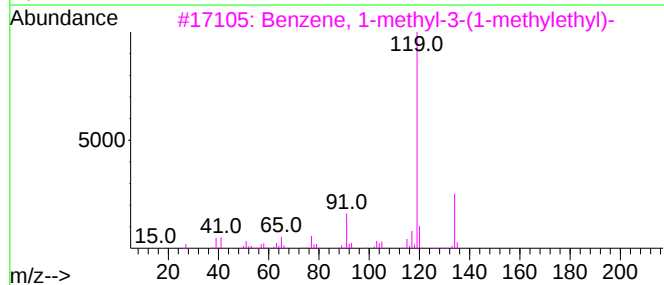
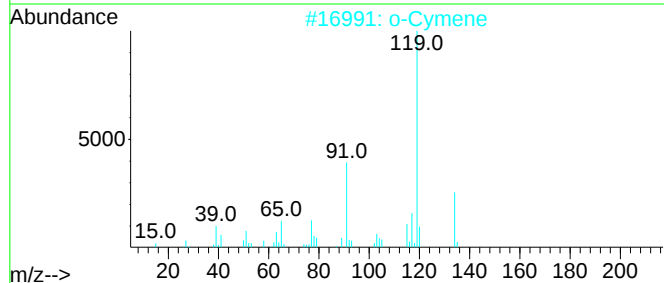
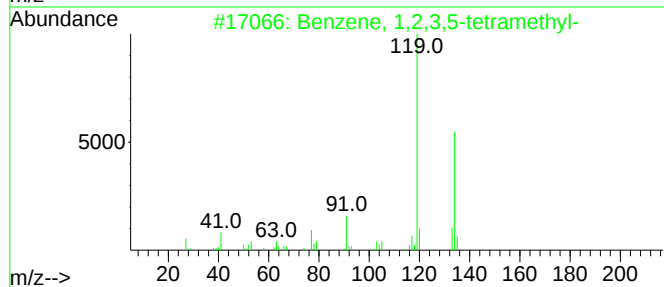
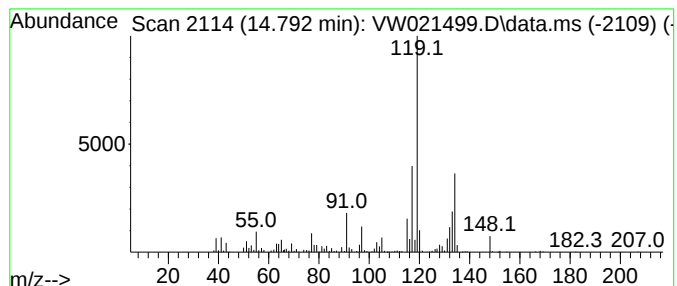
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Quant Title : SFAM01.0

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

Peak Number 9 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.792	7.32 ug/L	173128	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	60
2			o-Cymene	134	C10H14	000527-84-4	60
3			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60
4			o-Cymene	134	C10H14	000527-84-4	60
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021499.D
Acq On : 20 Dec 2021 15:37
Operator : SY/VA
Sample : VIBLK553
Misc : 5.00g/10.0mL/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK553

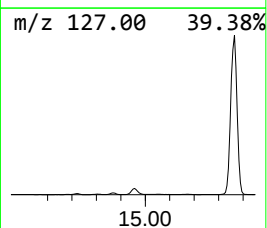
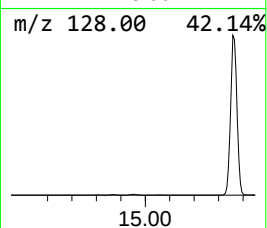
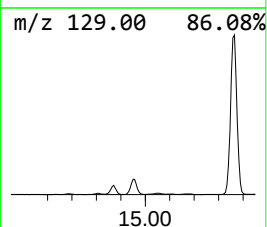
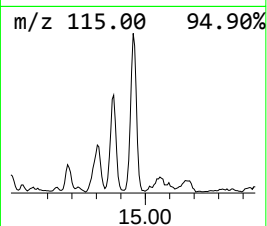
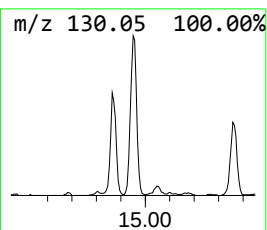
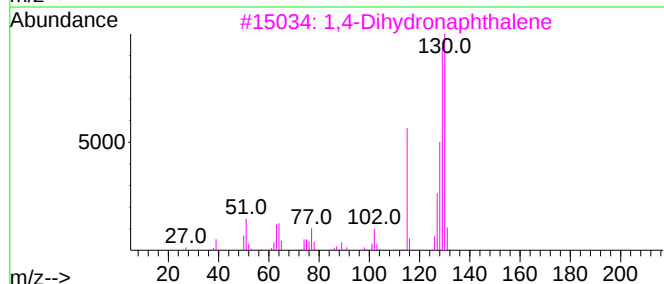
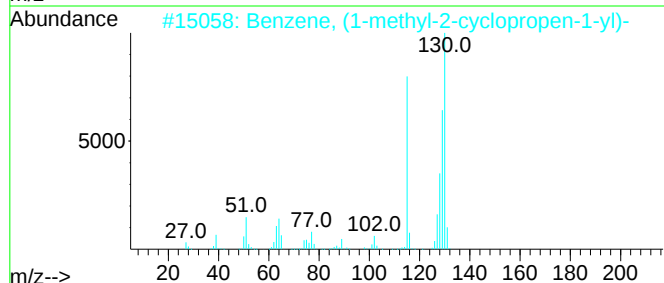
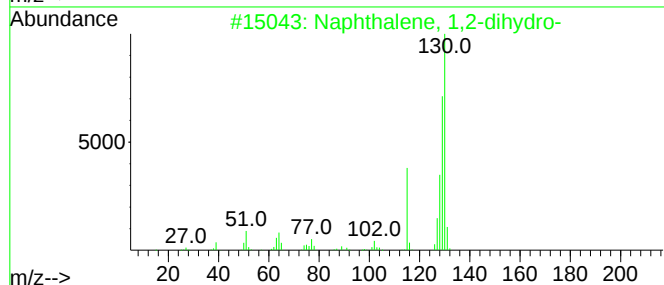
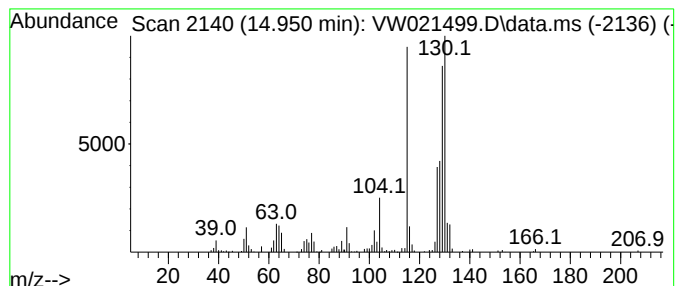
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Quant Title : SFAM01.0

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

Peak Number 10 Naphthalene, 1,2-dihydro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.950	6.06 ug/L	143482	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	95
2			Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	93
3			1,4-Dihydronaphthalene	130	C10H10	000612-17-9	91
4			Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	90
5			1,4-Dihydronaphthalene	130	C10H10	000612-17-9	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021499.D
Acq On : 20 Dec 2021 15:37
Operator : SY/VA
Sample : VIBLK553
Misc : 5.00g/10.0mL/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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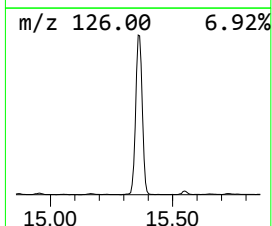
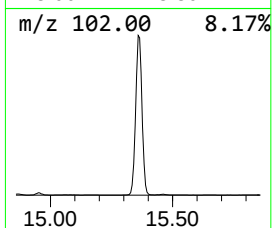
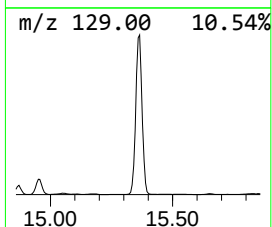
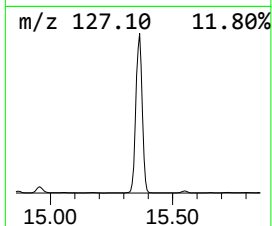
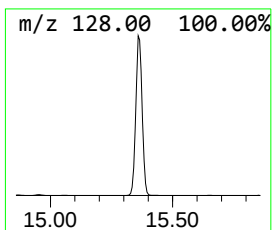
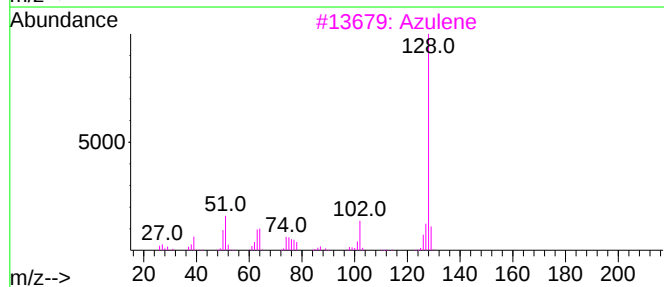
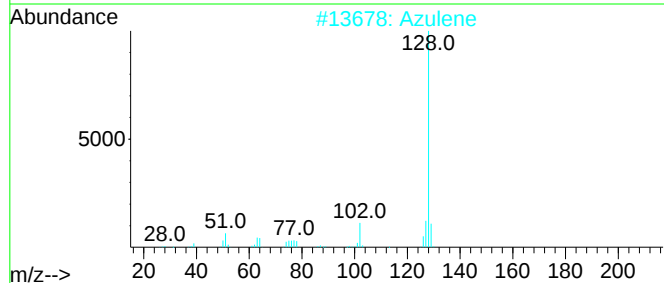
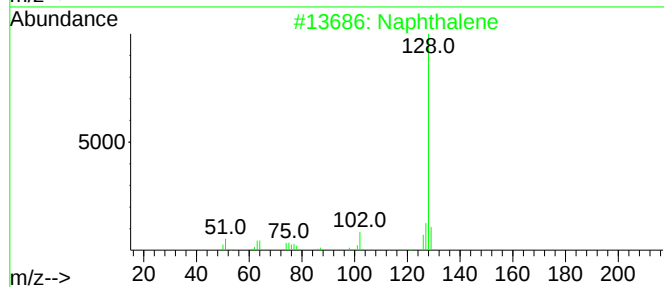
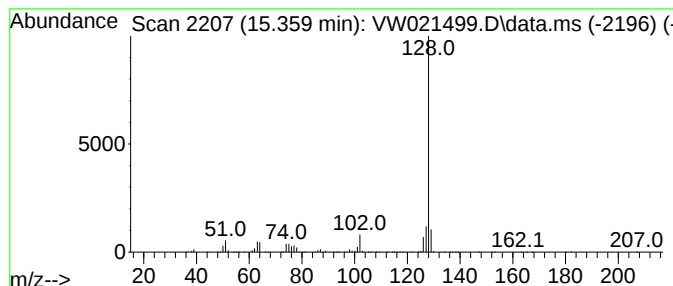
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Quant Title : SFAM01.0

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

Peak Number 11 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.359	180.91 ug/L	4280200	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene	128	C10H8	000091-20-3	95
2			Azulene	128	C10H8	000275-51-4	94
3			Azulene	128	C10H8	000275-51-4	91
4			Azulene	128	C10H8	000275-51-4	91
5			Naphthalene	128	C10H8	000091-20-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021499.D
Acq On : 20 Dec 2021 15:37
Operator : SY/VA
Sample : VIBLK553
Misc : 5.00g/10.0mL/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK553

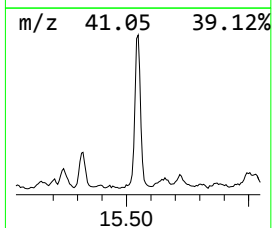
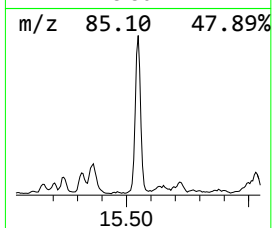
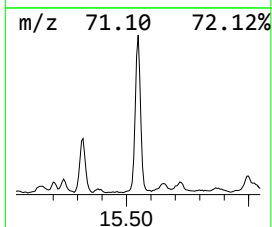
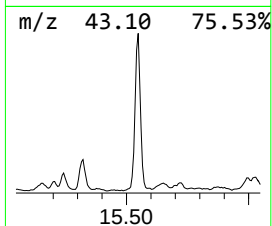
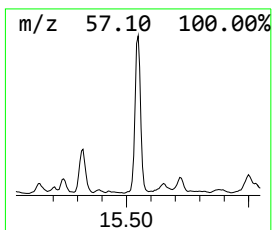
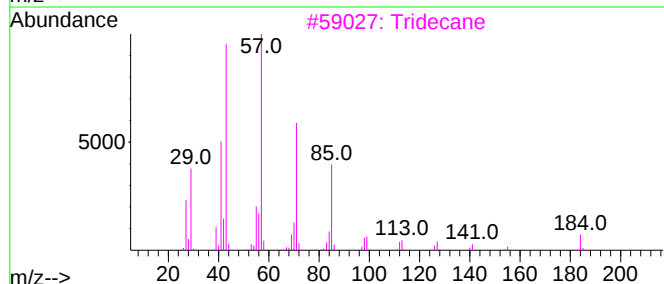
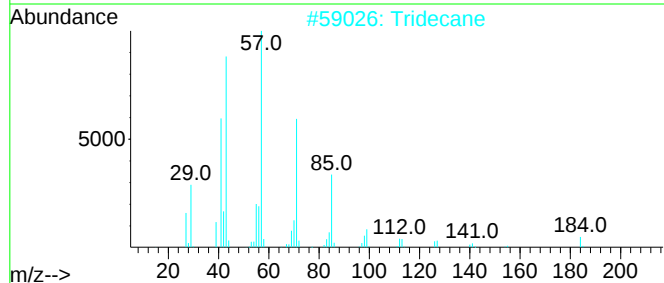
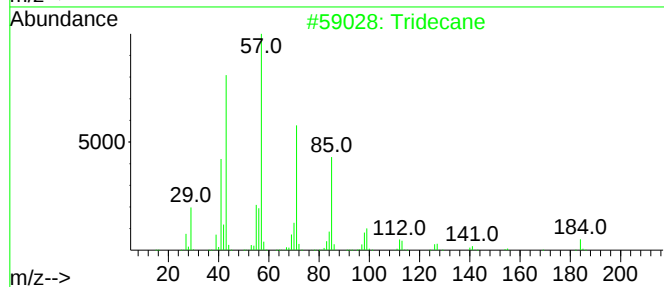
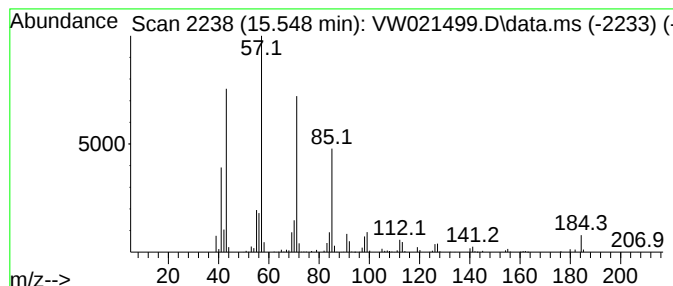
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.548	18.90 ug/L	447127	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane	184	C13H28	000629-50-5	98
2		Tridecane	184	C13H28	000629-50-5	95
3		Tridecane	184	C13H28	000629-50-5	93
4		Pentadecane	212	C15H32	000629-62-9	90
5		Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021499.D
Acq On : 20 Dec 2021 15:37
Operator : SY/VA
Sample : VIBLK553
Misc : 5.00g/10.0mL/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK553

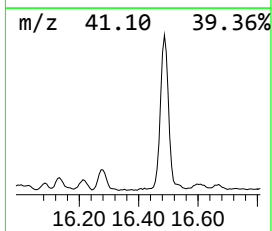
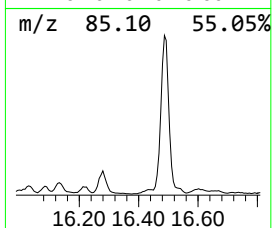
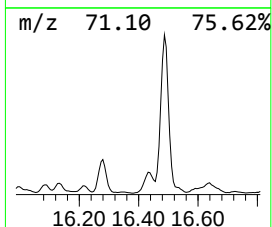
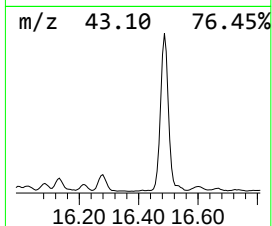
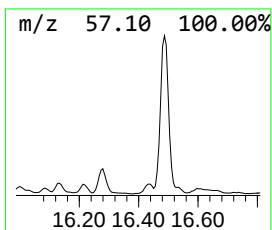
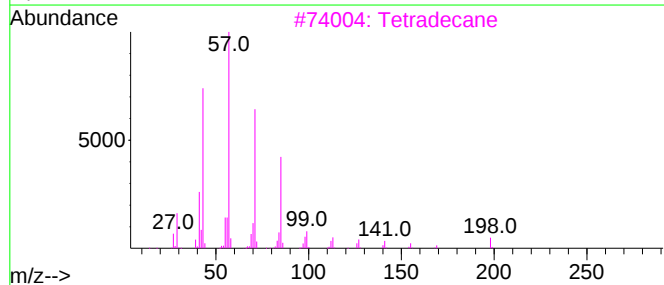
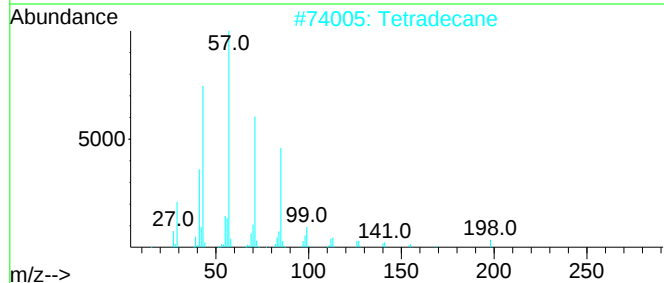
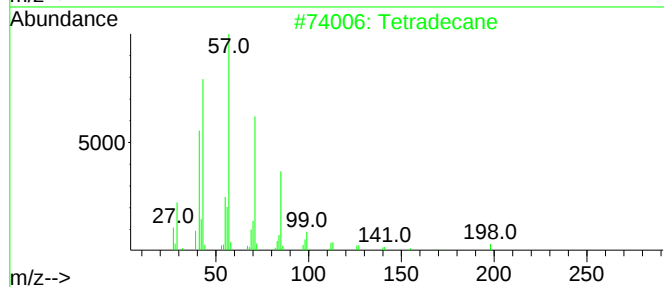
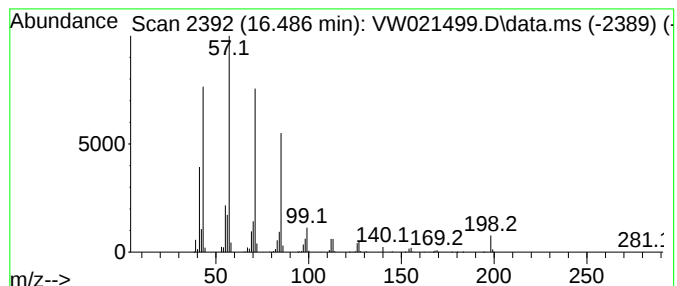
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.486	41.13 ug/L	973032	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	97
2		Tetradecane	198	C14H30	000629-59-4	95
3		Tetradecane	198	C14H30	000629-59-4	94
4		Nonadecane	268	C19H40	000629-92-5	90
5		Tridecane	184	C13H28	000629-50-5	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
 Data File : VW021499.D
 Acq On : 20 Dec 2021 15:37
 Operator : SY/VA
 Sample : VIBLK553
 Misc : 5.00g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK553

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Benzene, 1-ethe...	13.749	4.1	ug/L	96283	3	13.554	591488	25.0
Benzene, 2-ethe...	14.688	1.8	ug/L	41516	3	13.554	591488	25.0
(DEL) Alkane: S...	14.719	10.3	ug/L	244375	3	13.554	591488	25.0
Benzene, 1,2,3,...	14.792	7.3	ug/L	173128	3	13.554	591488	25.0
Naphthalene, 1,...	14.950	6.1	ug/L	143482	3	13.554	591488	25.0
Azulene	15.359	180.9	ug/L	4280200	3	13.554	591488	25.0
(DEL) Alkane: S...	15.548	18.9	ug/L	447127	3	13.554	591488	25.0
(DEL) Alkane: S...	16.486	41.1	ug/L	973032	3	13.554	591488	25.0