

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081921\
 Data File : VW019814.D
 Acq On : 19 Aug 2021 17:26
 Operator : SY/VA
 Sample : M3472-11
 Misc : 6.12g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AC1

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\SFAMWLM081821SMA.M

Title : SFAM01.0

Signal : TIC: VW019814.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.361	69	75	90	rVB	137446	286867	5.86%	1.422%
2	2.898	156	163	180	rVB	106697	281518	5.75%	1.396%
3	3.641	283	285	286	rVB	278	150	0.00%	0.001%
4	3.666	286	289	291	rBV	338	404	0.01%	0.002%
5	3.745	300	302	306	rVB2	610	490	0.01%	0.002%
6	3.794	309	310	313	rBV	244	182	0.00%	0.001%
7	4.025	336	348	366	rBV	167791	522833	10.67%	2.592%
8	4.385	403	407	409	rBV2	477	832	0.02%	0.004%
9	4.592	437	441	442	rBV2	290	364	0.01%	0.002%
10	4.836	479	481	484	rBV3	202	251	0.01%	0.001%
11	4.922	484	495	515	rVV	25009	89087	1.82%	0.442%
12	5.196	539	540	542	rBV	215	199	0.00%	0.001%
13	5.385	569	571	574	rVB	255	198	0.00%	0.001%
14	5.421	574	577	578	rBV	203	191	0.00%	0.001%
15	5.562	598	600	605	rBV	201	316	0.01%	0.002%
16	5.617	607	609	611	rBV2	186	188	0.00%	0.001%
17	5.775	633	635	636	rBV2	213	185	0.00%	0.001%
18	5.793	636	638	640	rVV2	466	251	0.01%	0.001%
19	5.842	643	646	649	rBV2	170	248	0.01%	0.001%
20	5.946	655	663	674	rVB5	4410	12725	0.26%	0.063%
21	6.232	707	710	713	rBV	199	215	0.00%	0.001%
22	6.293	718	720	722	rVB2	217	172	0.00%	0.001%
23	6.616	772	773	779	rBV2	173	231	0.00%	0.001%
24	6.677	779	783	785	rBV	189	249	0.01%	0.001%
25	6.836	807	809	811	rBV	229	185	0.00%	0.001%
26	6.939	823	826	829	rBV3	256	428	0.01%	0.002%
27	7.086	842	850	875	rBV2	17164	61526	1.26%	0.305%
28	7.366	894	896	897	rBV	222	164	0.00%	0.001%
29	7.378	897	898	901	rBV2	222	155	0.00%	0.001%
30	7.482	913	915	919	rVB2	192	221	0.00%	0.001%
31	7.525	919	922	924	rBV2	323	253	0.01%	0.001%
32	7.543	924	925	928	rBV2	265	242	0.00%	0.001%
33	7.653	932	943	957	rVV	251814	612486	12.50%	3.036%
34	7.762	959	961	962	rVV	497	344	0.01%	0.002%
35	7.958	988	993	997	rVB4	656	1377	0.03%	0.007%
36	8.281	1036	1046	1062	rVV2	491561	1389862	28.37%	6.890%

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Integrator: RTE

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 Title : SFAM01.0

37	8.573	1090	1094	1095	rBV2	306	396	0.01%	0.002%
38	8.592	1095	1097	1100	rVB2	485	497	0.01%	0.002%
39	8.628	1100	1103	1108	rVB3	573	808	0.02%	0.004%
40	8.701	1110	1115	1119	rBV5	488	1028	0.02%	0.005%
41	8.750	1121	1123	1126	rVB2	201	215	0.00%	0.001%
42	8.848	1130	1139	1152	rBV	475643	936685	19.12%	4.643%
43	9.073	1174	1176	1180	rVB5	814	1238	0.03%	0.006%
44	9.274	1201	1209	1220	rBV	318134	647877	13.23%	3.212%
45	9.439	1233	1236	1237	rBV2	255	224	0.00%	0.001%
46	9.561	1254	1256	1258	rBV	195	191	0.00%	0.001%
47	9.628	1264	1267	1268	rBV2	178	179	0.00%	0.001%
48	9.646	1268	1270	1271	rBV	314	242	0.00%	0.001%
49	10.036	1326	1334	1345	rVV	123268	223399	4.56%	1.107%
50	10.183	1355	1358	1359	rBV2	207	177	0.00%	0.001%
51	10.225	1364	1365	1367	rVB	383	195	0.00%	0.001%
52	10.323	1374	1381	1388	rBV	636331	1135055	23.17%	5.627%
53	10.482	1406	1407	1410	rBV2	225	222	0.00%	0.001%
54	10.579	1416	1423	1433	rVB	80298	140686	2.87%	0.697%
55	10.701	1438	1443	1450	rVV2	2216	3898	0.08%	0.019%
56	10.927	1473	1480	1494	rBV2	67130	125958	2.57%	0.624%
57	11.055	1499	1501	1503	rVV2	431	380	0.01%	0.002%
58	11.079	1503	1505	1509	rVV3	572	637	0.01%	0.003%
59	11.128	1511	1513	1515	rBV	238	179	0.00%	0.001%
60	11.195	1522	1524	1525	rBV2	329	294	0.01%	0.001%
61	11.347	1542	1549	1555	rBV4	3104	4875	0.10%	0.024%
62	11.518	1575	1577	1579	rBV2	134	176	0.00%	0.001%
63	11.548	1581	1582	1585	rVB2	276	228	0.00%	0.001%
64	11.579	1585	1587	1588	rBV2	259	196	0.00%	0.001%
65	11.634	1588	1596	1606	rBV	581382	985884	20.13%	4.887%
66	11.731	1606	1612	1618	rVV	18109	32606	0.67%	0.162%
67	11.914	1641	1642	1645	rVB2	244	200	0.00%	0.001%
68	12.018	1657	1659	1661	rVB3	269	255	0.01%	0.001%
69	12.164	1678	1683	1689	rVB3	791	1347	0.03%	0.007%
70	12.207	1689	1690	1694	rBV	252	405	0.01%	0.002%
71	12.237	1694	1695	1698	rVB	351	200	0.00%	0.001%
72	12.335	1705	1711	1713	rBV3	7353	12386	0.25%	0.061%
73	12.365	1713	1716	1725	rVB2	21158	35544	0.73%	0.176%
74	12.469	1725	1733	1747	rBV	1784072	2855720	58.30%	14.157%
75	12.695	1762	1770	1789	rBV	193321	402974	8.23%	1.998%
76	12.938	1803	1810	1817	rBV3	79932	190180	3.88%	0.943%

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77	13.024	1817	1824	1847	rVB	1720561	2781469	56.78%	13.789%
78	13.249	1857	1861	1870	rVB5	4941	11173	0.23%	0.055%
79	13.359	1874	1879	1885	rBV3	10885	16949	0.35%	0.084%
80	13.469	1890	1897	1906	rBV	3191288	4898636	100.00%	24.284%
81	13.560	1906	1912	1919	rVB	473032	776162	15.84%	3.848%
82	13.713	1932	1937	1942	rVB2	22869	34701	0.71%	0.172%
83	13.853	1953	1960	1968	rBV	351791	572800	11.69%	2.840%
84	13.999	1978	1984	1989	rBV2	17175	28124	0.57%	0.139%
85	14.328	2032	2038	2041	rBV3	990	1567	0.03%	0.008%
86	14.517	2066	2069	2075	rVB5	1707	2834	0.06%	0.014%
87	14.700	2097	2099	2100	rBV2	551	449	0.01%	0.002%
88	14.719	2100	2102	2105	rVB2	1422	1134	0.02%	0.006%
89	14.767	2108	2110	2111	rBV	273	158	0.00%	0.001%
90	14.920	2133	2135	2136	rBV2	297	155	0.00%	0.001%
91	14.987	2144	2146	2147	rBV2	260	217	0.00%	0.001%
92	15.029	2151	2153	2155	rBV2	257	178	0.00%	0.001%
93	15.249	2182	2189	2193	rBV9	2644	4852	0.10%	0.024%
94	15.298	2193	2197	2203	rVB2	3274	5264	0.11%	0.026%
95	15.353	2205	2206	2211	rBV3	517	549	0.01%	0.003%
96	15.420	2211	2217	2223	rBV	14480	23106	0.47%	0.115%
97	15.724	2262	2267	2270	rBV3	620	1120	0.02%	0.006%
98	16.328	2365	2366	2372	rVB2	519	545	0.01%	0.003%
99	16.371	2372	2373	2375	rBV2	387	319	0.01%	0.002%
100	16.700	2425	2427	2428	rBV2	381	185	0.00%	0.001%

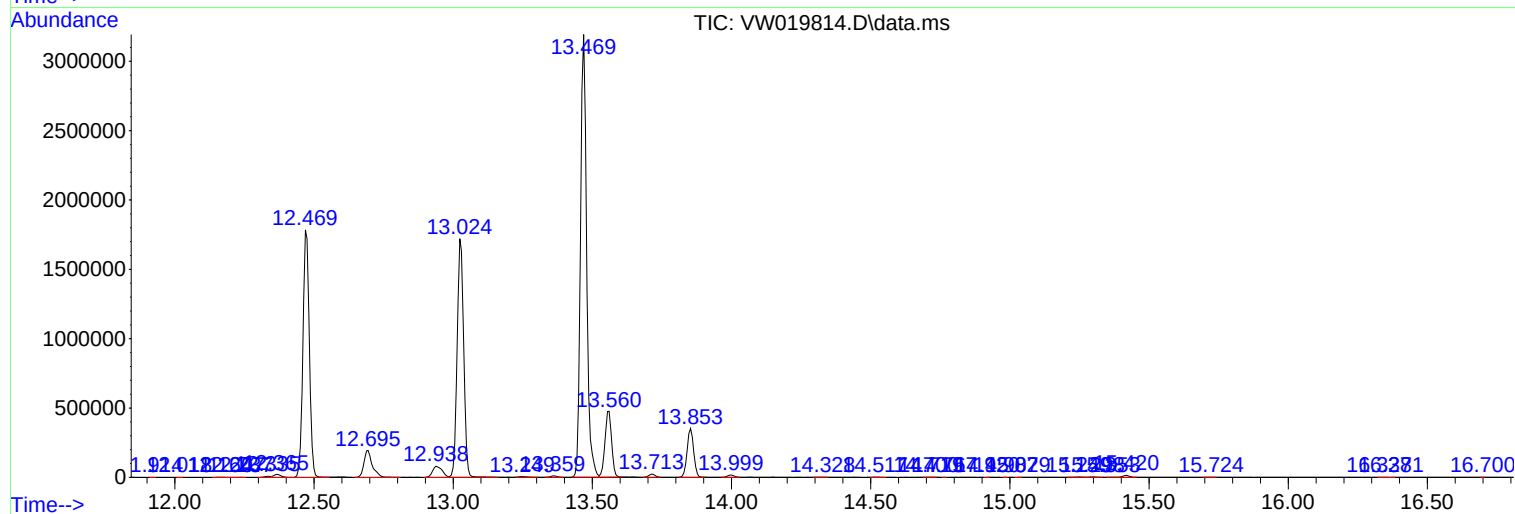
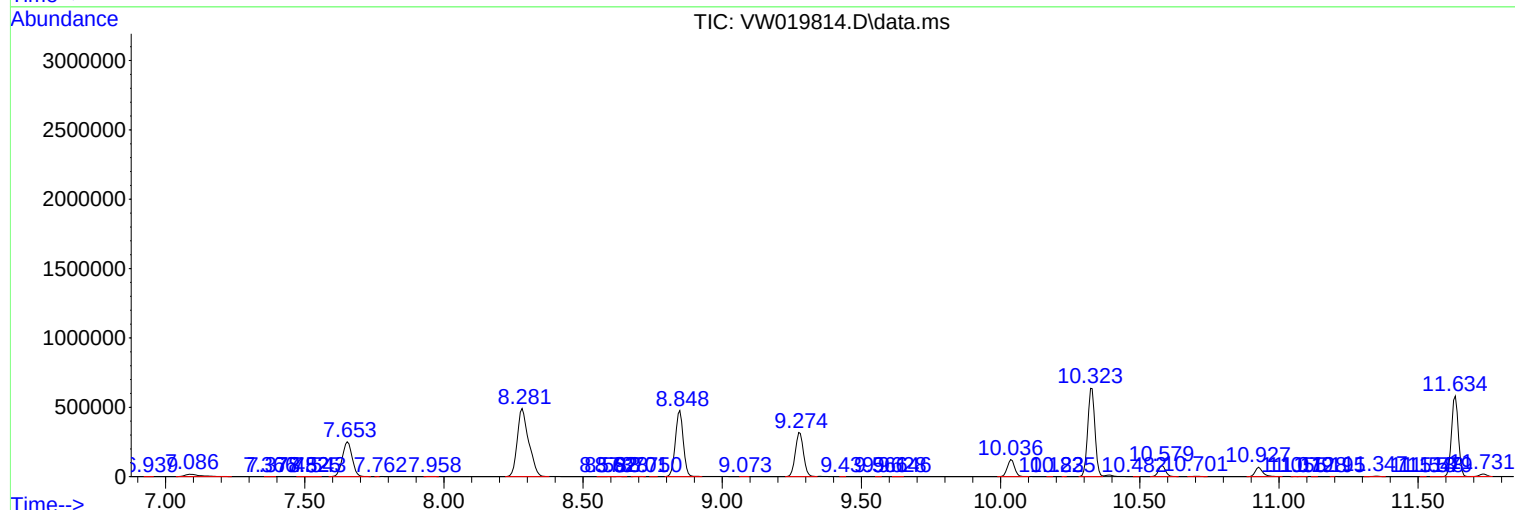
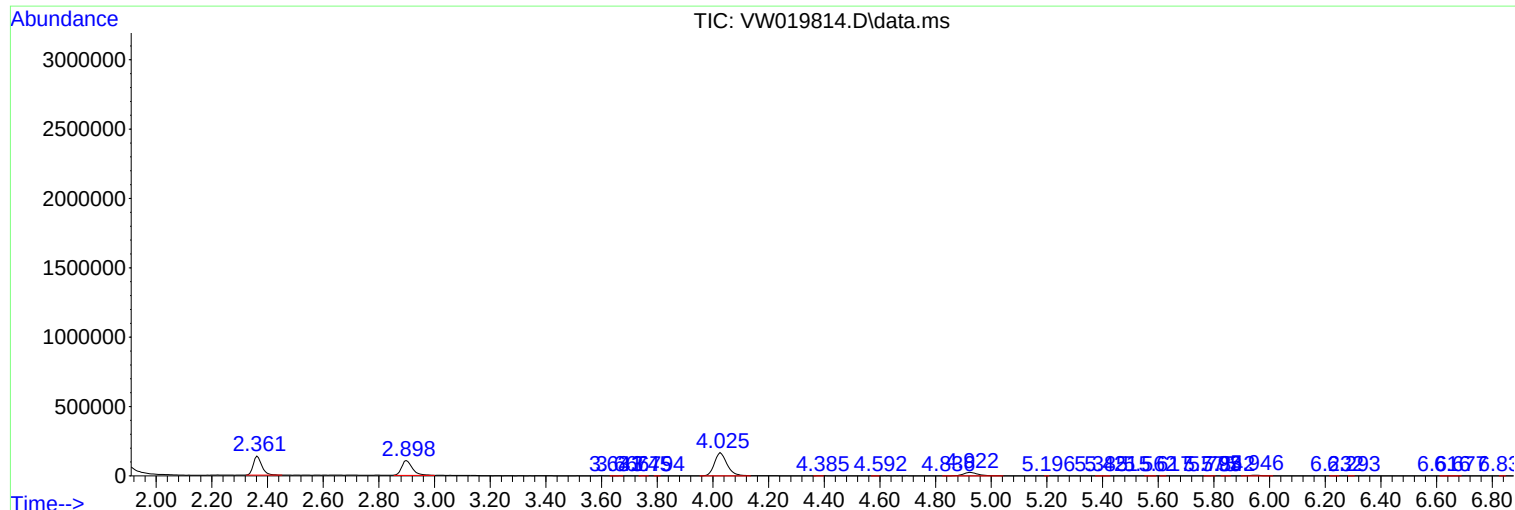
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C0AC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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



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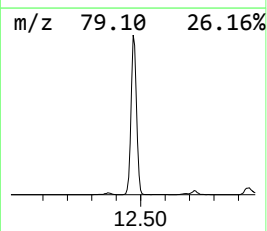
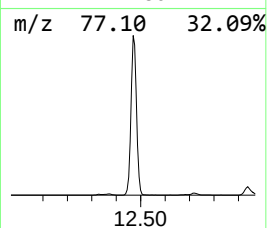
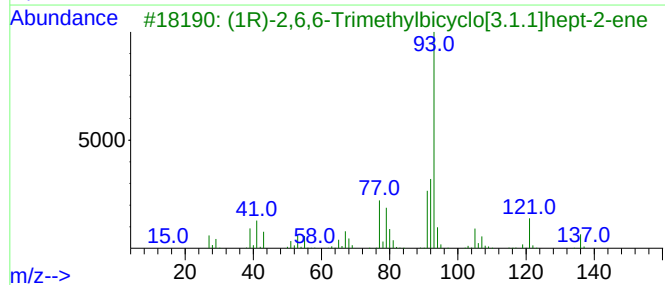
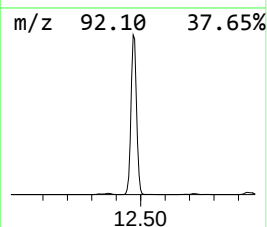
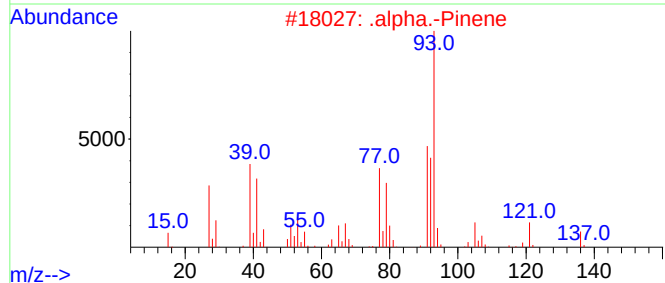
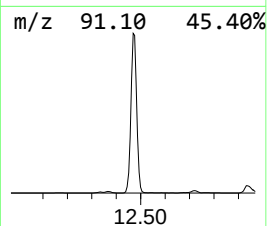
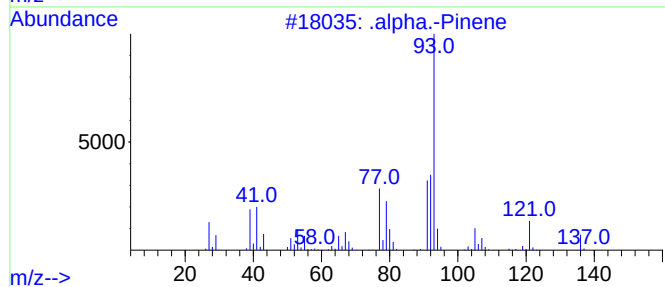
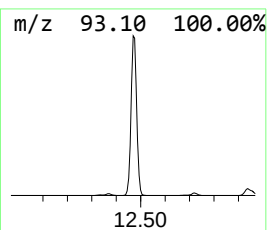
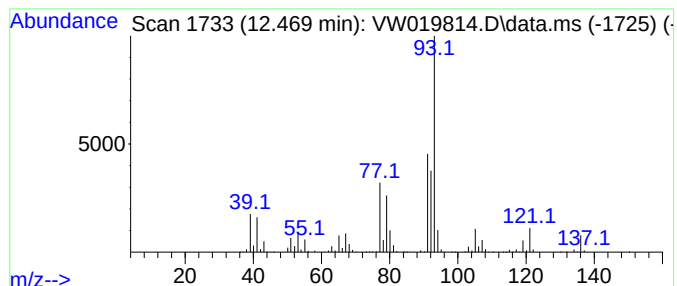
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 .alpha.-Pinene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	72.42 ug/L	2855720	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	.		.alpha.-Pinene	136	C10H16	000080-56-8	97
2	.		.alpha.-Pinene	136	C10H16	000080-56-8	95
3	(1R)-2,6,6-Trimethylbicyclo[3.1....			136	C10H16	007785-70-8	94
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...			136	C10H16	004889-83-2	91
5	(+)-3-Carene			136	C10H16	000498-15-7	90



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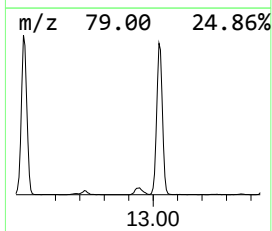
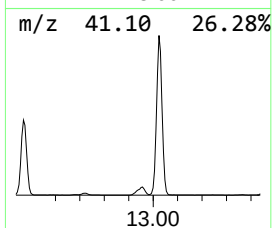
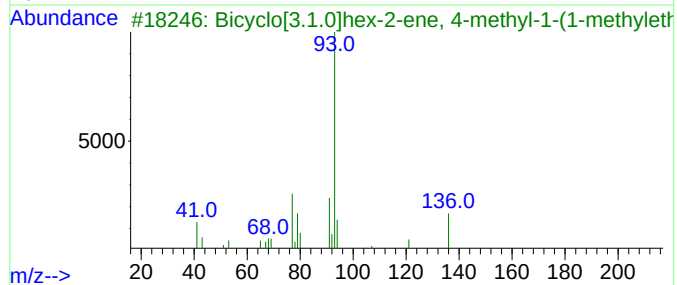
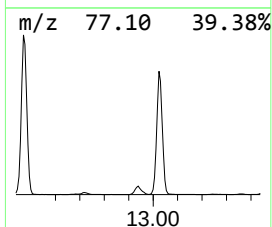
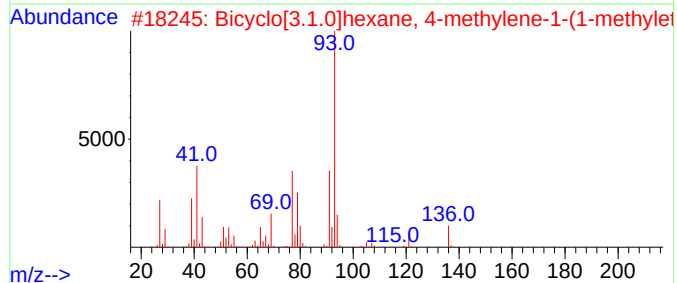
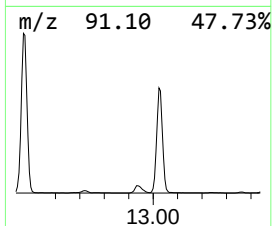
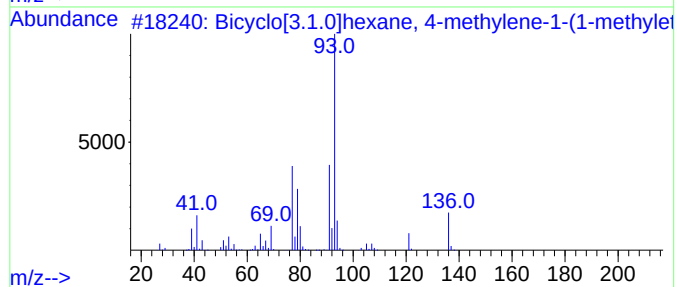
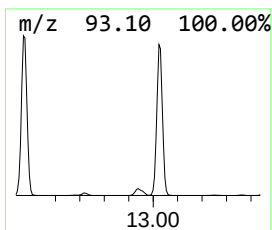
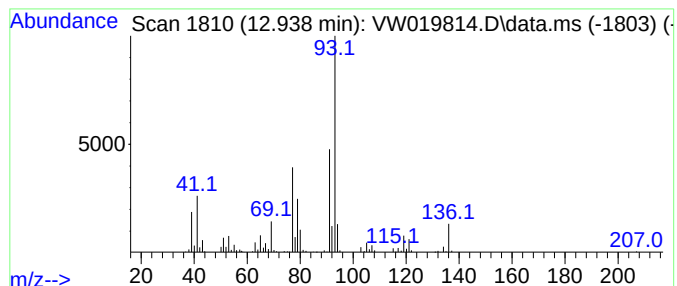
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 Bicyclo[3.1.0]hexane, 4-met... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.938	6.13 ug/L	190180	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	94
2			Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	93
3			Bicyclo[3.1.0]hex-2-ene, 4-methy...	136	C10H16	028634-89-1	91
4			Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	91
5			.beta.-Phellandrene	136	C10H16	000555-10-2	91



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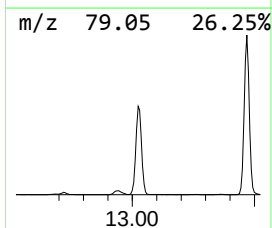
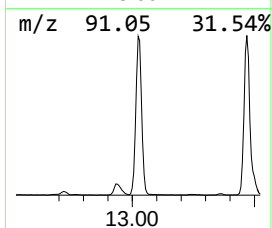
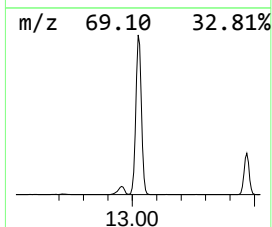
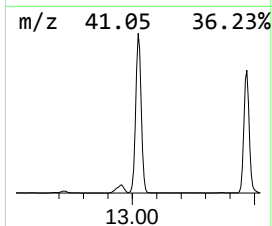
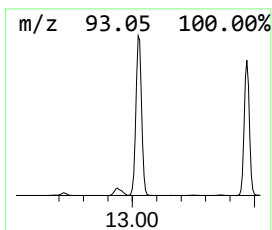
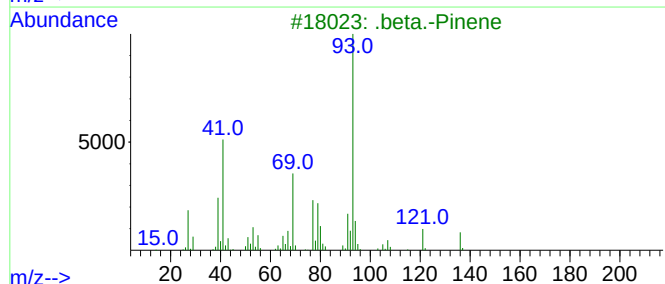
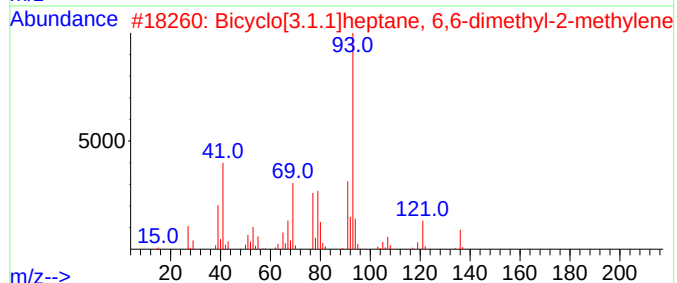
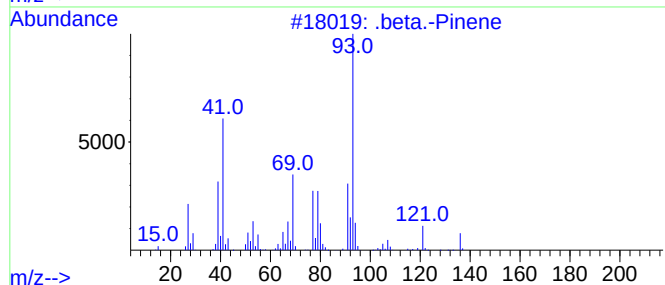
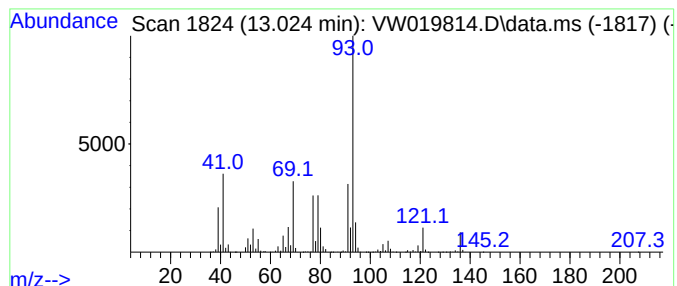
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 .beta.-Pinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.024	89.59 ug/L	2781470	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		.beta.-Pinene	136	C10H16	000127-91-3	96
2		Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	96
3		.beta.-Pinene	136	C10H16	000127-91-3	95
4		.beta.-Pinene	136	C10H16	000127-91-3	94
5		Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081921\
Data File : VW019814.D
Acq On : 19 Aug 2021 17:26
Operator : SY/VA
Sample : M3472-11
Misc : 6.12g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AC1

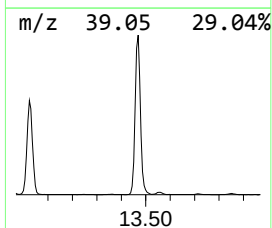
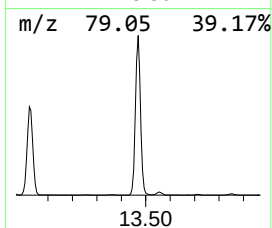
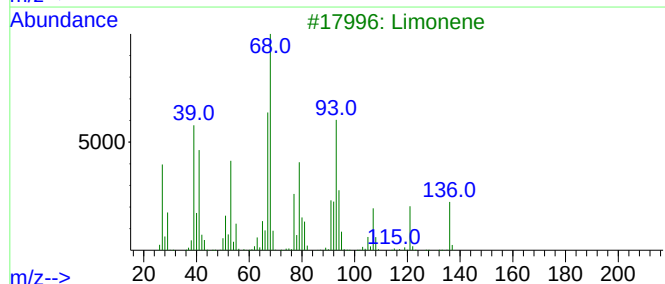
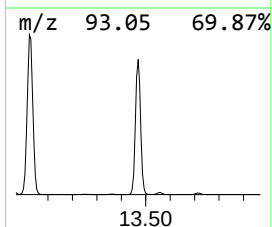
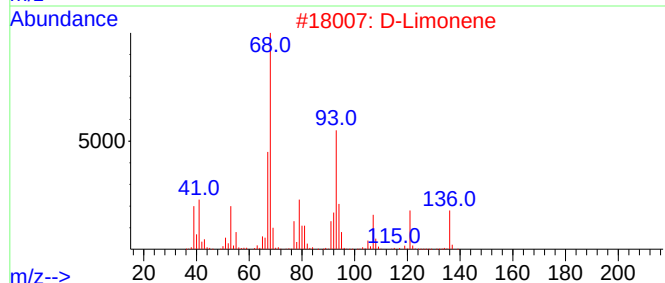
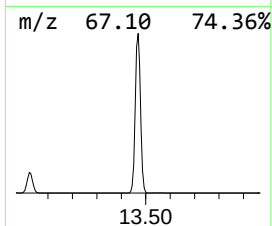
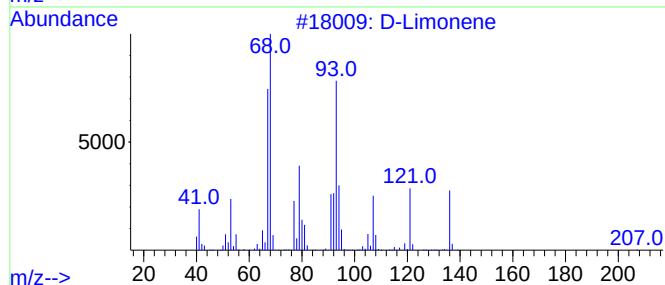
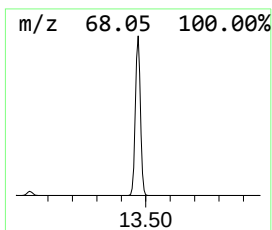
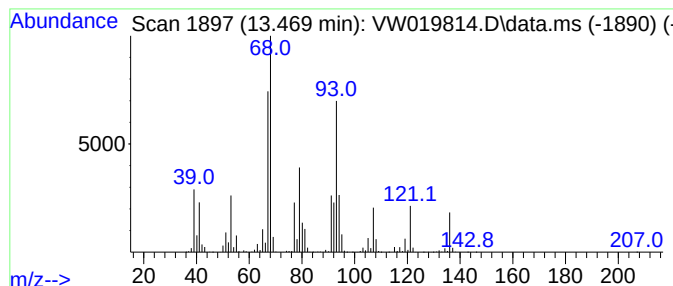
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Quant Title : SFAM01.0

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

Peak Number 5 D-Limonene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.469	157.78 ug/L	4898640	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			D-Limonene	136	C10H16	005989-27-5	98
2			D-Limonene	136	C10H16	005989-27-5	95
3			Limonene	136	C10H16	000138-86-3	94
4			Limonene	136	C10H16	000138-86-3	89
5			D-Limonene	136	C10H16	005989-27-5	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081921\
Data File : VW019814.D
Acq On : 19 Aug 2021 17:26
Operator : SY/VA
Sample : M3472-11
Misc : 6.12g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
.alpha.-Pinene	12.469	72.4	ug/L	2855720	2	11.634	985884	25.0
Bicyclo[3.1.0]h...	12.938	6.1	ug/L	190180	3	13.560	776162	25.0
.beta.-Pinene	13.024	89.6	ug/L	2781470	3	13.560	776162	25.0
D-Limonene	13.469	157.8	ug/L	4898640	3	13.560	776162	25.0