

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051123\
 Data File : VW025946.D
 Acq On : 11 May 2023 11:02
 Operator : SY/MD
 Sample : 02689-18
 Misc : 3.26g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JREPO

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\SFAMWLM050123SMA.M
 Title : SFAM01.0

Signal : TIC: VW025946.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.143	38	42	50	rBV	19301	46413	1.58%	0.223%
2	2.363	72	78	92	rVB	148426	363694	12.41%	1.745%
3	2.905	159	167	178	rBV	107833	297750	10.16%	1.428%
4	3.186	210	213	215	rBV3	2223	2899	0.10%	0.014%
5	3.204	215	216	219	rVV3	1659	1752	0.06%	0.008%
6	3.381	243	245	246	rVV2	3864	3400	0.12%	0.016%
7	3.399	246	248	255	rVB7	5033	7075	0.24%	0.034%
8	3.527	265	269	270	rBV4	2089	2595	0.09%	0.012%
9	3.564	273	275	278	rVV4	2395	2699	0.09%	0.013%
10	3.765	307	308	313	rVB5	2425	3497	0.12%	0.017%
11	3.942	334	337	339	rBV3	2498	2994	0.10%	0.014%
12	4.021	339	350	361	rVV	306003	948022	32.34%	4.548%
13	4.118	362	366	376	rVV	42817	116141	3.96%	0.557%
14	4.210	376	381	396	rVB2	22684	59003	2.01%	0.283%
15	4.381	402	409	410	rBV2	7747	12981	0.44%	0.062%
16	4.698	458	461	466	rVB7	2284	3344	0.11%	0.016%
17	4.917	487	497	511	rBV2	37099	134564	4.59%	0.645%
18	5.051	518	519	522	rVB3	2041	1588	0.05%	0.008%
19	5.386	572	574	576	rBV3	1396	1645	0.06%	0.008%
20	5.569	601	604	608	rBV6	945	1746	0.06%	0.008%
21	5.649	615	617	622	rVB6	1619	2402	0.08%	0.012%
22	5.758	632	635	638	rVB5	1469	1727	0.06%	0.008%
23	5.789	638	640	642	rBV2	2712	2989	0.10%	0.014%
24	5.892	654	657	659	rBV4	1886	2884	0.10%	0.014%
25	5.935	659	664	676	rVB6	8529	26877	0.92%	0.129%
26	6.118	690	694	698	rBV6	2125	2973	0.10%	0.014%
27	6.161	698	701	702	rBV3	1725	1552	0.05%	0.007%
28	6.203	706	708	709	rBV2	2168	1609	0.05%	0.008%
29	6.252	714	716	718	rBV3	1806	1849	0.06%	0.009%
30	6.490	753	755	759	rVB5	1506	1734	0.06%	0.008%
31	6.624	774	777	781	rBV6	1632	2440	0.08%	0.012%
32	6.722	790	793	798	rVB7	1694	1931	0.07%	0.009%
33	6.819	805	809	812	rVB6	1851	3603	0.12%	0.017%
34	6.850	812	814	816	rBV3	2290	2036	0.07%	0.010%
35	6.996	833	838	840	rBV6	1933	2509	0.09%	0.012%
36	7.075	843	851	862	rBV	86078	250384	8.54%	1.201%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
 Title : SFAM01.0

37	7.313	888	890	896	rVB7	2176	3214	0.11%	0.015%
38	7.551	925	929	931	rVB5	1534	1995	0.07%	0.010%
39	7.648	935	945	956	rVV	497604	1216198	41.49%	5.834%
40	7.837	975	976	979	rVB3	2527	1668	0.06%	0.008%
41	7.886	981	984	988	rVV6	2608	3540	0.12%	0.017%
42	7.941	988	993	996	rVV7	1811	4252	0.15%	0.020%
43	8.075	1013	1015	1019	rBV5	1578	2303	0.08%	0.011%
44	8.197	1032	1035	1037	rBV3	1930	2621	0.09%	0.013%
45	8.276	1037	1048	1064	rBV2	1014478	2931646	100.00%	14.063%
46	8.630	1103	1106	1107	rBV3	1437	1558	0.05%	0.007%
47	8.691	1114	1116	1122	rVB7	4094	6527	0.22%	0.031%
48	8.739	1122	1124	1126	rVB3	1795	1663	0.06%	0.008%
49	8.843	1131	1141	1154	rBV	1019035	1994622	68.04%	9.568%
50	9.057	1171	1176	1177	rBV5	3519	6331	0.22%	0.030%
51	9.276	1203	1212	1229	rVB	705174	1426248	48.65%	6.841%
52	9.392	1229	1231	1234	rBV4	1927	2455	0.08%	0.012%
53	9.434	1236	1238	1241	rBV4	1812	1522	0.05%	0.007%
54	9.758	1289	1291	1294	rBV4	1757	1892	0.06%	0.009%
55	9.812	1298	1300	1303	rVB4	2677	2301	0.08%	0.011%
56	9.849	1303	1306	1307	rBV3	1860	2276	0.08%	0.011%
57	9.910	1313	1316	1318	rBV4	2303	2249	0.08%	0.011%
58	9.947	1320	1322	1326	rVB5	1883	1676	0.06%	0.008%
59	10.032	1329	1336	1344	rBV	326229	589564	20.11%	2.828%
60	10.129	1348	1352	1359	rVB10	4282	8299	0.28%	0.040%
61	10.203	1362	1364	1367	rBV3	1701	2142	0.07%	0.010%
62	10.325	1376	1384	1392	rBV	1259038	2228269	76.01%	10.689%
63	10.575	1419	1425	1437	rVB	197819	352583	12.03%	1.691%
64	10.703	1440	1446	1453	rVB2	17737	35206	1.20%	0.169%
65	10.849	1468	1470	1472	rBV3	2312	2023	0.07%	0.010%
66	10.922	1475	1482	1496	rBV	314557	564945	19.27%	2.710%
67	11.129	1514	1516	1519	rVB4	2378	1844	0.06%	0.009%
68	11.196	1523	1527	1528	rBV4	1727	2444	0.08%	0.012%
69	11.629	1590	1598	1609	rBV	1192810	1971061	67.23%	9.455%
70	12.013	1657	1661	1666	rVB8	3951	6513	0.22%	0.031%
71	12.123	1676	1679	1683	rBV6	1843	2668	0.09%	0.013%
72	12.172	1683	1687	1694	rVB5	7624	15848	0.54%	0.076%
73	12.330	1708	1713	1717	rBV3	12241	20432	0.70%	0.098%
74	12.471	1726	1736	1742	rBV	132879	236977	8.08%	1.137%
75	12.599	1751	1757	1765	rVV	24649	47953	1.64%	0.230%
76	12.690	1765	1772	1779	rBV	396571	665722	22.71%	3.193%

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 Title : SFAM01.0

77	12.818	1791	1793	1798	rVB6	4854	6370	0.22%	0.031%
78	12.934	1807	1812	1821	rVB2	56604	125238	4.27%	0.601%
79	13.025	1822	1827	1835	rVB3	22861	43716	1.49%	0.210%
80	13.092	1835	1838	1839	rBV3	2705	2563	0.09%	0.012%
81	13.214	1853	1858	1859	rBV3	10308	15148	0.52%	0.073%
82	13.269	1859	1867	1876	rVB	199350	356873	12.17%	1.712%
83	13.355	1876	1881	1887	rBV	59190	97905	3.34%	0.470%
84	13.464	1889	1899	1901	rBV3	488483	881278	30.06%	4.227%
85	13.556	1909	1914	1924	rVB	762043	1206960	41.17%	5.790%
86	13.641	1924	1928	1934	rVV	21798	35326	1.20%	0.169%
87	13.714	1935	1940	1945	rVB	77653	113305	3.86%	0.544%
88	13.848	1955	1962	1974	rVB	559310	913580	31.16%	4.382%
89	13.995	1982	1986	1991	rVB	52004	69891	2.38%	0.335%
90	14.062	1991	1997	2003	rVB2	37595	64509	2.20%	0.309%
91	14.684	2095	2099	2105	rBV8	6202	13084	0.45%	0.063%
92	14.854	2122	2127	2131	rVB2	14265	26741	0.91%	0.128%
93	14.988	2147	2149	2154	rVB5	2870	3335	0.11%	0.016%
94	15.092	2161	2166	2175	rVB2	45445	81842	2.79%	0.393%
95	15.366	2209	2211	2212	rBV2	2693	2191	0.07%	0.011%
96	15.427	2214	2221	2226	rVV4	25702	59306	2.02%	0.284%
97	15.482	2226	2230	2235	rVB	12678	22305	0.76%	0.107%
98	16.025	2317	2319	2321	rBV3	2826	2982	0.10%	0.014%
99	16.086	2327	2329	2334	rVB6	2790	3892	0.13%	0.019%
100	16.531	2400	2402	2405	rBV4	1673	2200	0.08%	0.011%

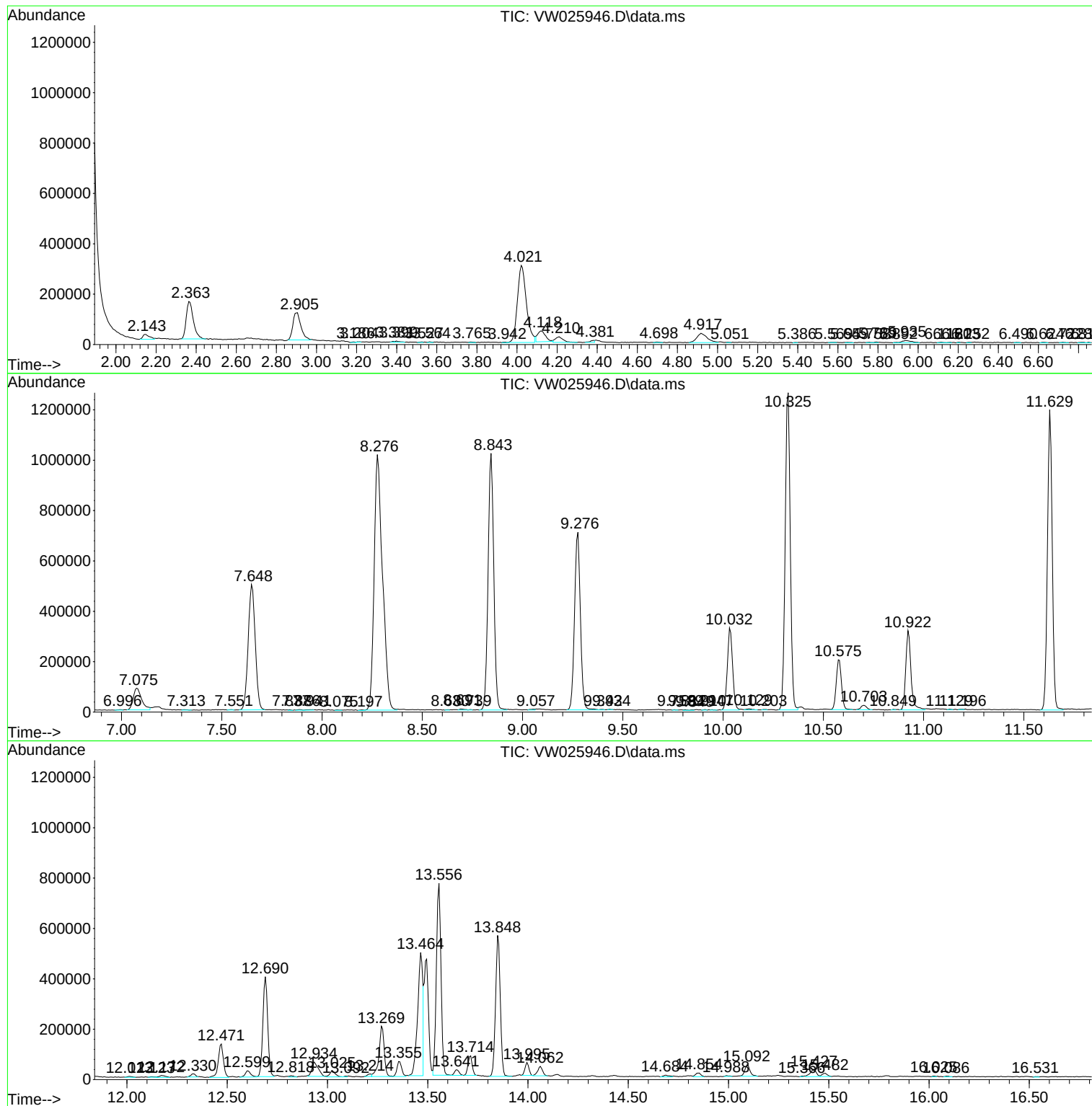
Sum of corrected areas: 20847091

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Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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



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Instrument :
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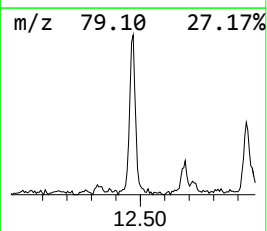
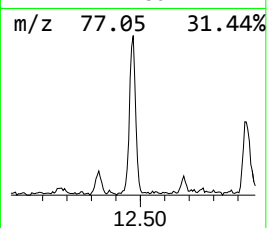
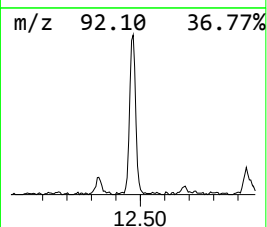
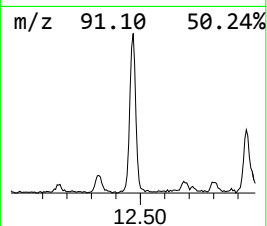
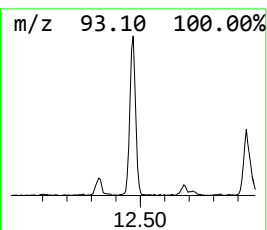
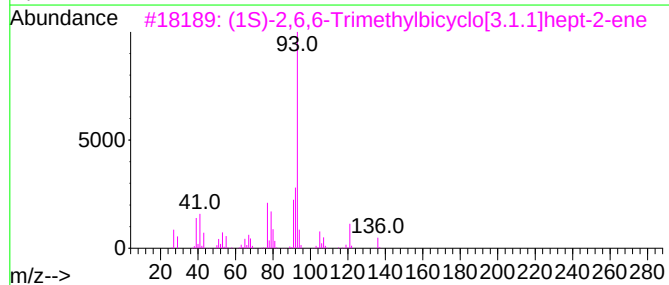
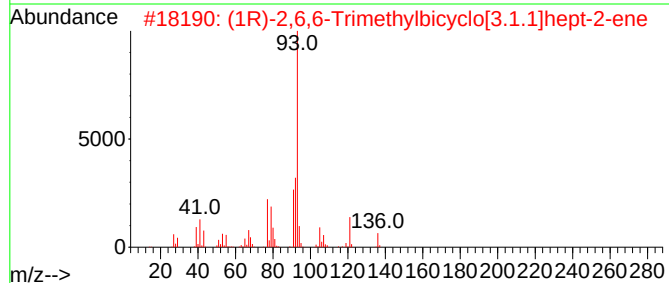
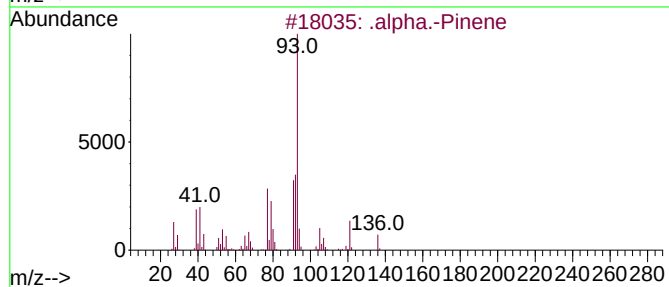
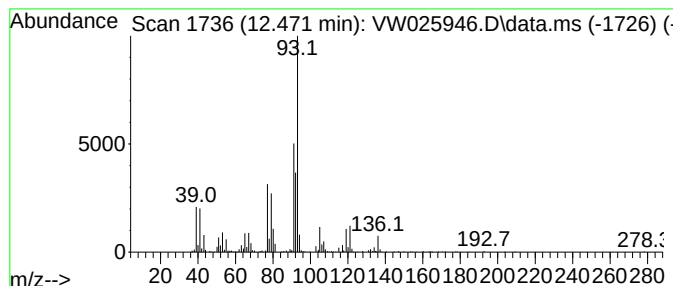
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 .alpha.-Pinene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.470	3.01 ug/L	236977	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			.alpha.-Pinene	136	C10H16	000080-56-8	95
2			(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	136	C10H16	007785-70-8	94
3			(1S)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	136	C10H16	007785-26-4	94
4			.alpha.-Pinene	136	C10H16	000080-56-8	93
5			Bicyclo[3.1.1]hept-2-ene, 3,6,6-trimethyl-	136	C10H16	004889-83-2	91



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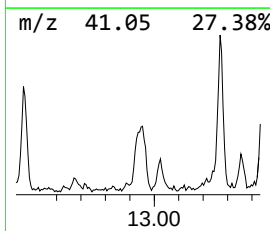
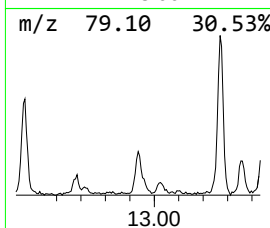
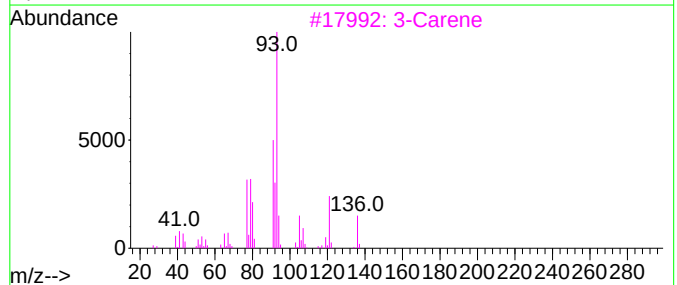
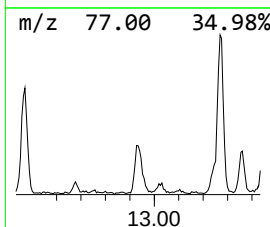
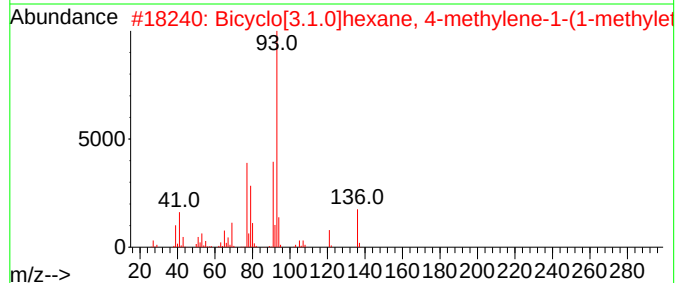
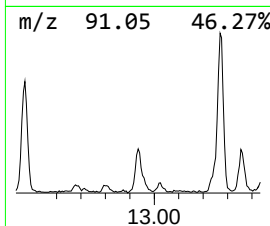
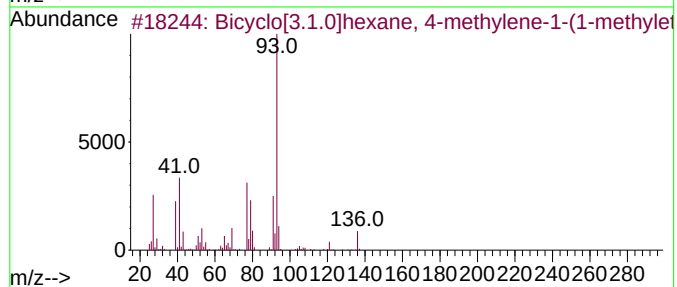
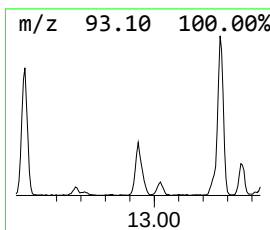
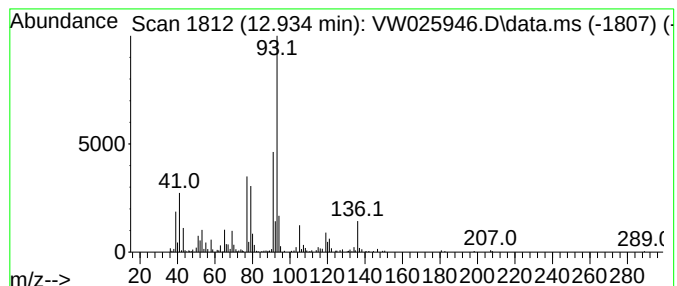
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 Bicyclo[3.1.0]hexane, 4-met... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.934	2.59 ug/L	125238	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	90
2			Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	90
3			3-Carene	136	C10H16	013466-78-9	87
4			Bicyclo[3.1.0]hex-2-ene, 4-methy...	136	C10H16	028634-89-1	87
5			.beta.-Phellandrene	136	C10H16	000555-10-2	87



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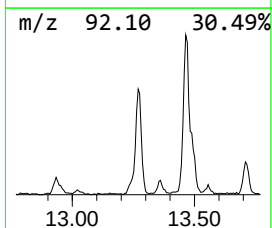
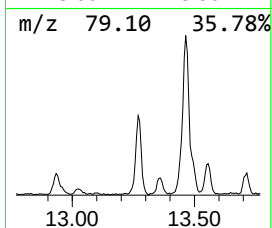
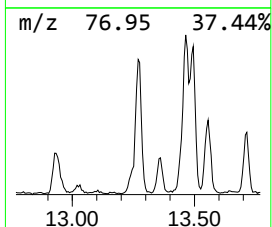
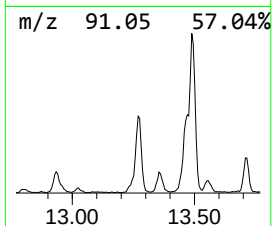
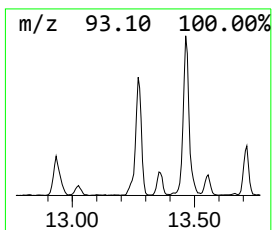
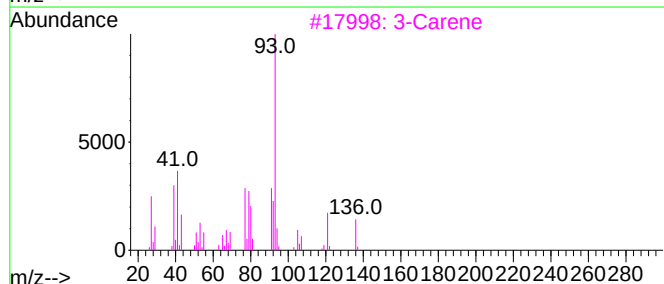
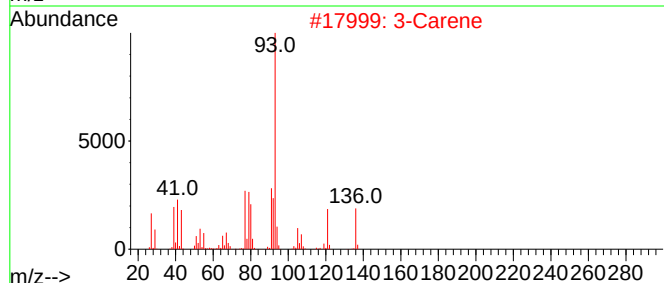
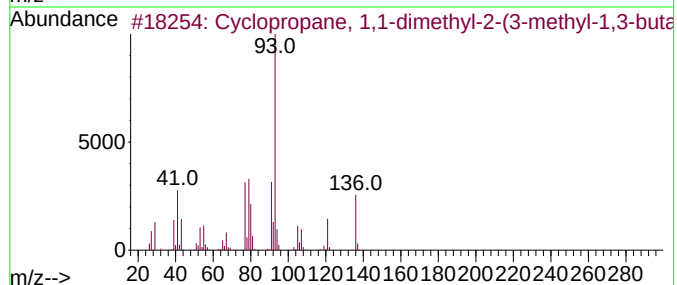
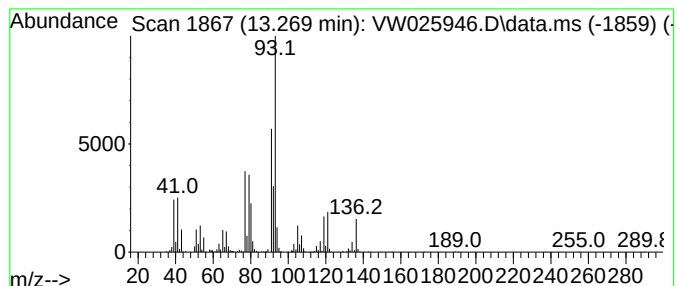
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Quant Title : SFAM01.0

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

Peak Number 4 Cyclopropane, 1,1-dimethyl-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.269	7.39 ug/L	356873	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopropane, 1,1-dimethyl-2-(3-...	136	C10H16	068998-21-0	94
2			3-Carene	136	C10H16	013466-78-9	93
3			3-Carene	136	C10H16	013466-78-9	93
4			3-Carene	136	C10H16	013466-78-9	91
5			(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051123\
Data File : VW025946.D
Acq On : 11 May 2023 11:02
Operator : SY/MD
Sample : 02689-18
Misc : 3.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JREP0

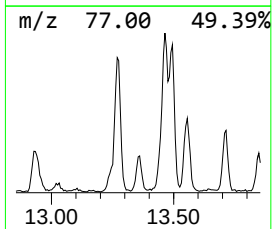
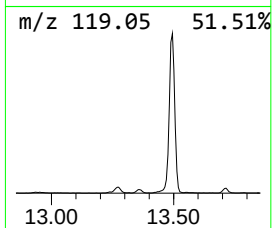
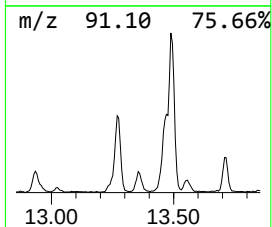
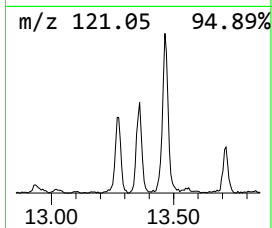
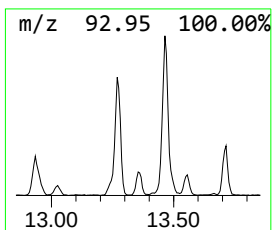
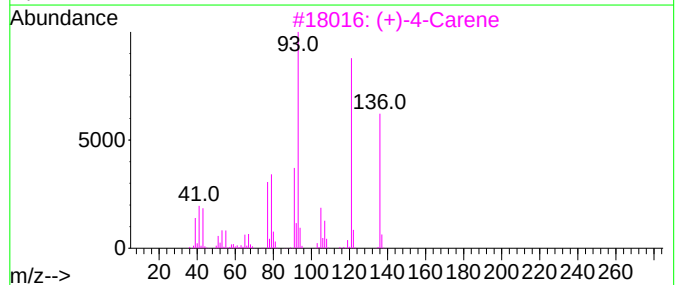
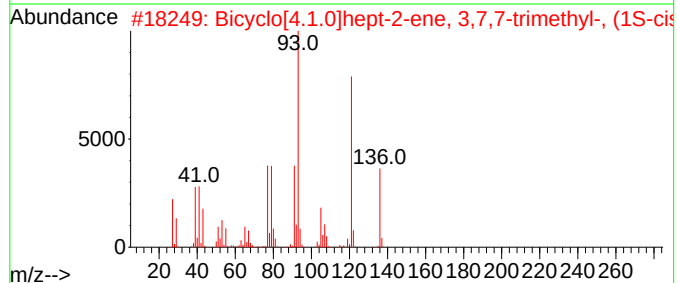
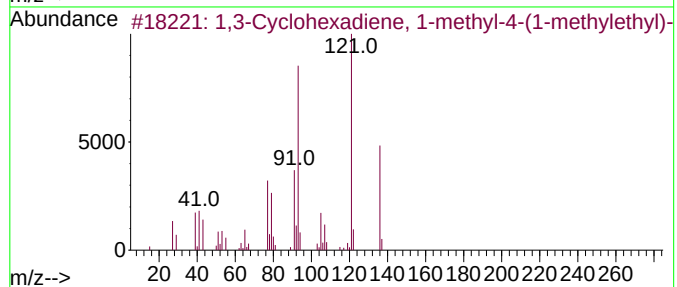
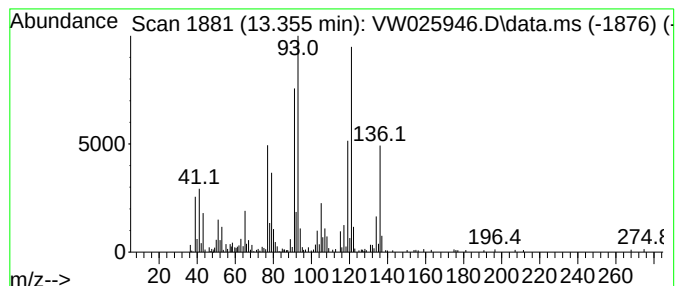
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Quant Title : SFAM01.0

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

Peak Number 5 1,3-Cyclohexadiene, 1-methy... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.355	2.03 ug/L	97905	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	96
2			Bicyclo[4.1.0]hept-2-ene, 3,7,7-...	136	C10H16	004497-92-1	95
3			(+)-4-Carene	136	C10H16	029050-33-7	93
4			Bicyclo[2.2.1]hept-2-ene, 1,7,7-...	136	C10H16	000464-17-5	90
5			2-Carene	136	C10H16	000554-61-0	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051123\
Data File : VW025946.D
Acq On : 11 May 2023 11:02
Operator : SY/MD
Sample : 02689-18
Misc : 3.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JREP0

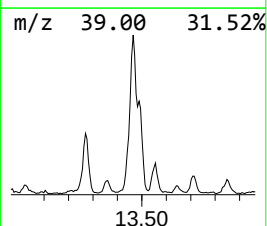
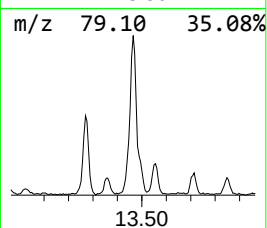
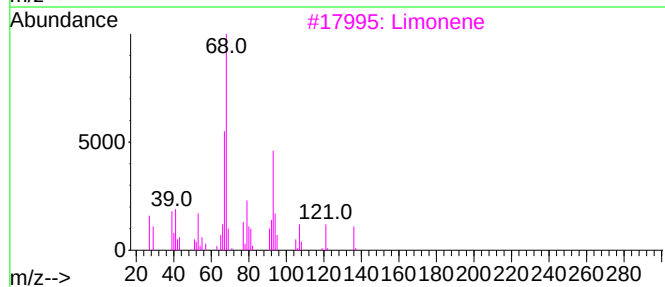
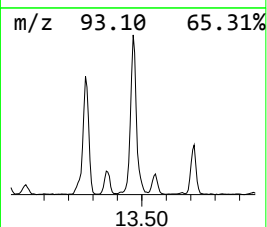
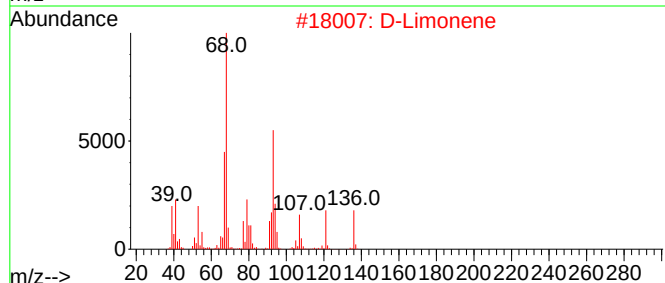
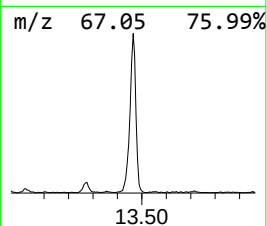
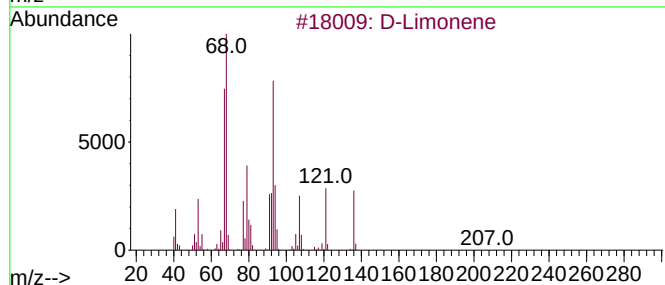
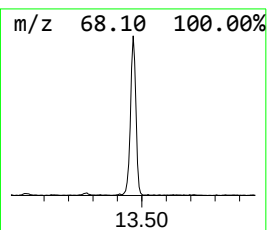
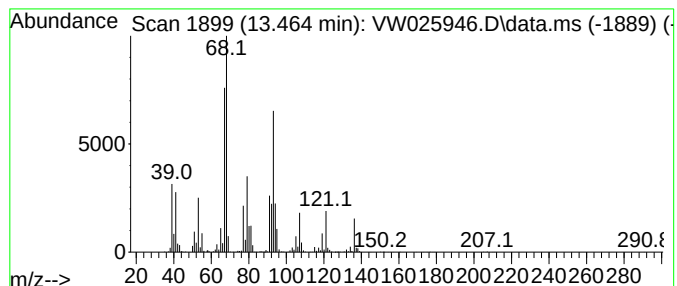
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Quant Title : SFAM01.0

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

Peak Number 6 D-Limonene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.464	18.25 ug/L	881278	1,4-Dichlorobenzene-d4	13.556

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	94
3			Limonene	136	C10H16	000138-86-3	91
4			1,5-Cyclooctadiene, 1,5-dimethyl-	136	C10H16	003760-14-3	91
5			D-Limonene	136	C10H16	005989-27-5	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051123\
Data File : VW025946.D
Acq On : 11 May 2023 11:02
Operator : SY/MD
Sample : 02689-18
Misc : 3.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JREP0

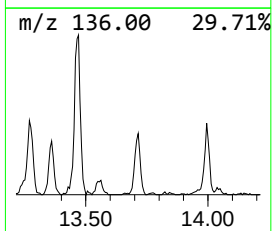
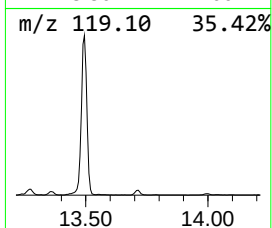
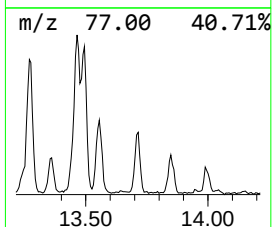
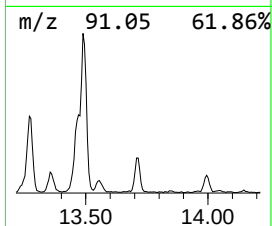
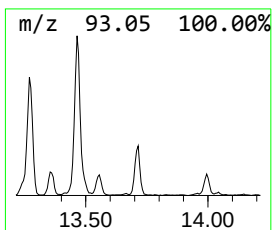
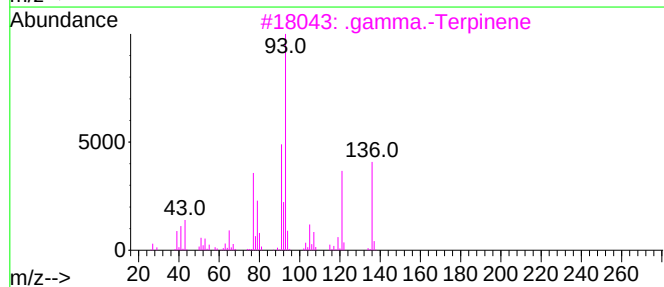
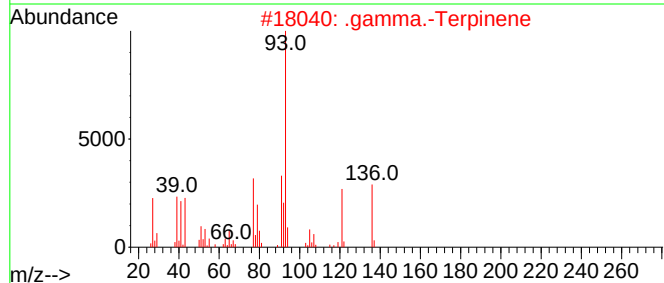
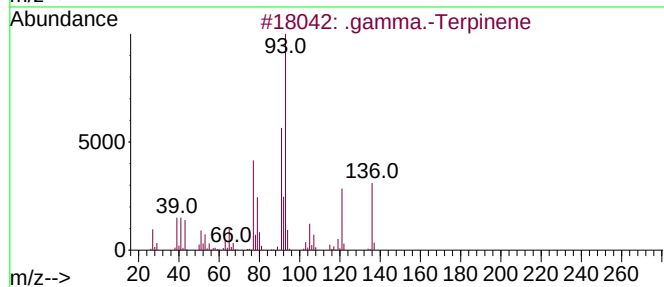
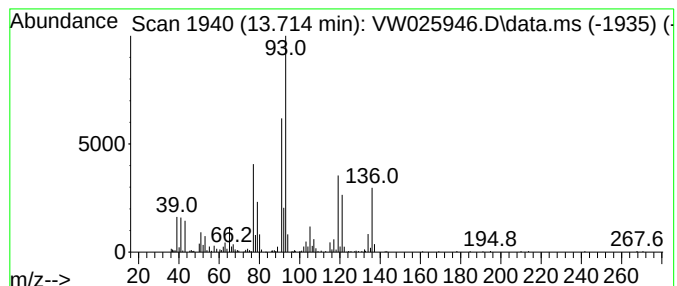
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Quant Title : SFAM01.0

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

Peak Number 7 .gamma.-Terpinene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.714	2.35 ug/L	113305	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	.	gamma.-Terpinene	136	C10H16	000099-85-4	96	
2	.	gamma.-Terpinene	136	C10H16	000099-85-4	95	
3	.	gamma.-Terpinene	136	C10H16	000099-85-4	94	
4	.	gamma.-Terpinene	136	C10H16	000099-85-4	90	
5	.	gamma.-Terpinene	136	C10H16	000099-85-4	81	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051123\
Data File : VW025946.D
Acq On : 11 May 2023 11:02
Operator : SY/MD
Sample : 02689-18
Misc : 3.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JREP0

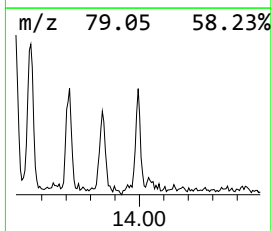
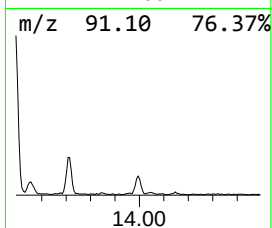
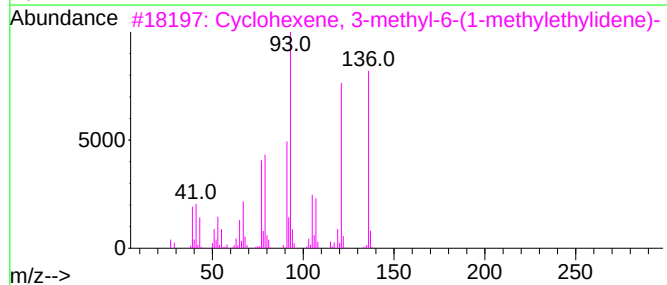
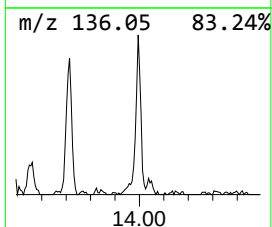
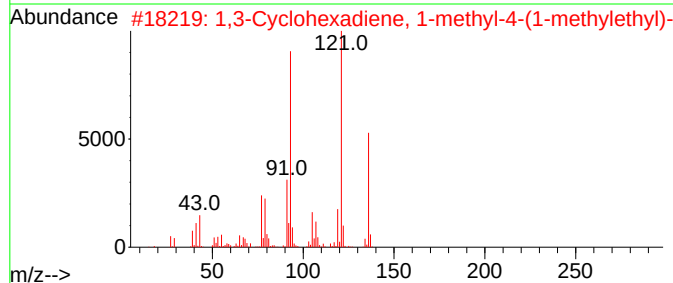
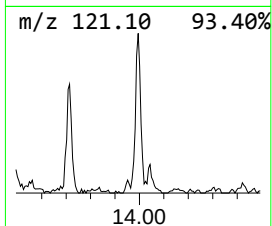
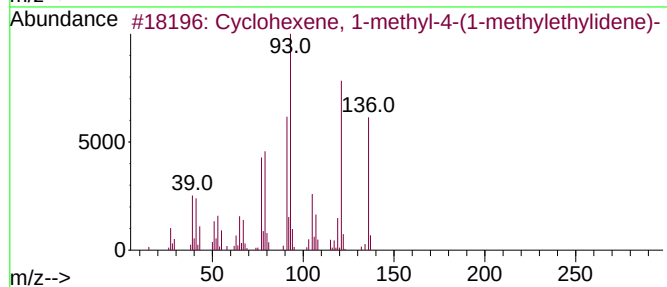
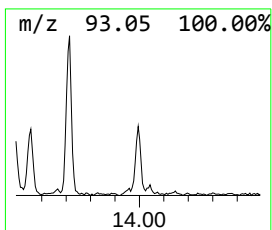
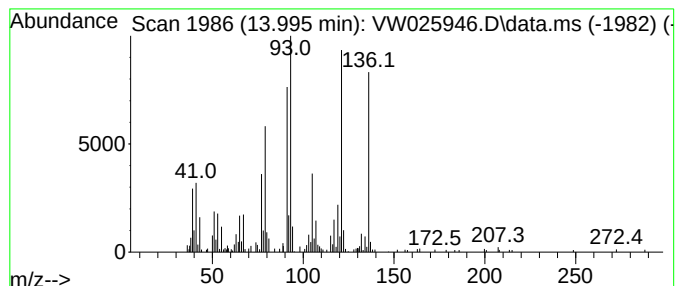
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Quant Title : SFAM01.0

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

Peak Number 8 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.995	1.45 ug/L	69891	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	94
2			1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	94
3			Cyclohexene, 3-methyl-6-(1-methy...	136	C10H16	000586-63-0	93
4			(+)-4-Carene	136	C10H16	029050-33-7	91
5			2-Carene	136	C10H16	000554-61-0	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051123\
Data File : VW025946.D
Acq On : 11 May 2023 11:02
Operator : SY/MD
Sample : 02689-18
Misc : 3.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JREP0

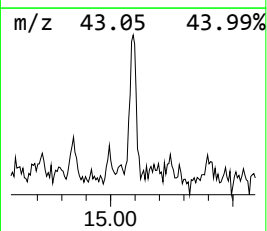
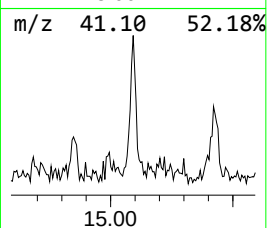
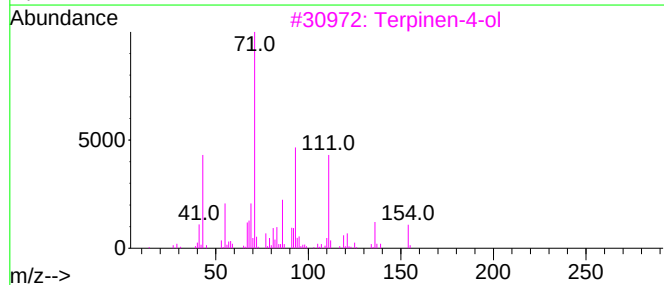
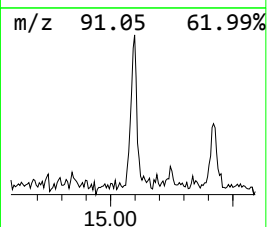
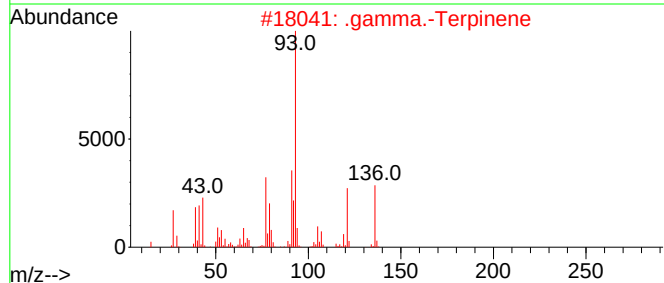
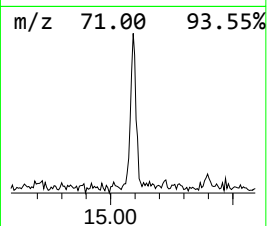
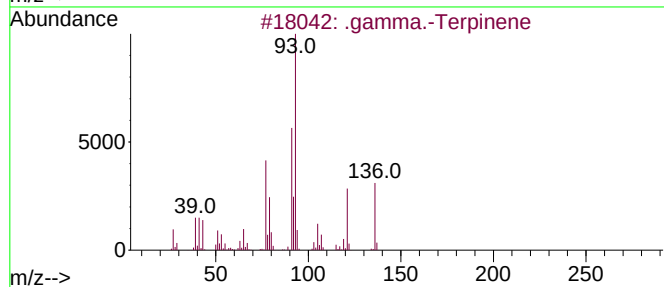
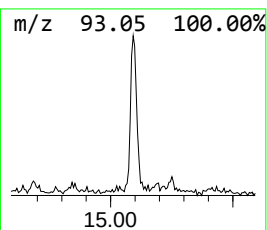
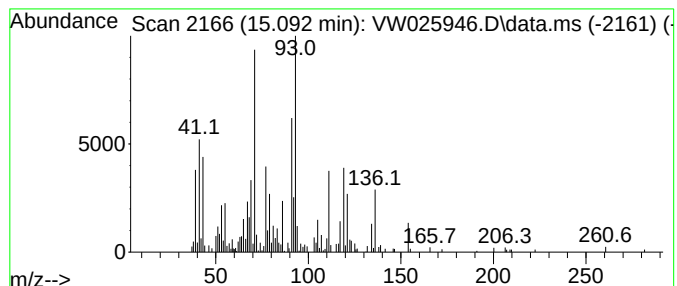
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Quant Title : SFAM01.0

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

Peak Number 10 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.092	1.70 ug/L	81842	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	.	gamma.-Terpinene	136	C10H16	000099-85-4	60	
2	.	gamma.-Terpinene	136	C10H16	000099-85-4	50	
3		Terpinen-4-ol	154	C10H18O	000562-74-3	49	
4	.	gamma.-Terpinene	136	C10H16	000099-85-4	46	
5	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	46		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051123\
Data File : VW025946.D
Acq On : 11 May 2023 11:02
Operator : SY/MD
Sample : 02689-18
Misc : 3.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JREP0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.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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Bicyclo[3.1.0]h...	12.934	2.6	ug/L	125238	3	13.556	1206960	25.0
Cyclopropane, 1...	13.269	7.4	ug/L	356873	3	13.556	1206960	25.0
1,3-Cyclohexadi...	13.355	2.0	ug/L	97905	3	13.556	1206960	25.0
D-Limonene	13.464	18.3	ug/L	881278	3	13.556	1206960	25.0
.gamma.-Terpinene	13.714	2.4	ug/L	113305	3	13.556	1206960	25.0
Cyclohexene, 1-...	13.995	1.5	ug/L	69891	3	13.556	1206960	25.0
unknown-01	15.092	1.7	ug/L	81842	3	13.556	1206960	25.0