

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042623\
 Data File : VD075846.D
 Acq On : 26 Apr 2023 20:35
 Operator : KP/SY
 Sample : 02447-20
 Misc : 5.84G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EW938

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_D\Method\SFAMDLM042023SMA.M
 Title : SFAM01.0

Signal : TIC: VD075846.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.740	14	26	42	rBV	680604	1311270	100.00%	15.320%
2	2.128	90	92	93	rBV	686	486	0.04%	0.006%
3	2.275	111	117	126	rBV	172555	253783	19.35%	2.965%
4	2.587	168	170	171	rBV	2185	1173	0.09%	0.014%
5	2.805	200	207	215	rBV	141859	266469	20.32%	3.113%
6	3.175	267	270	271	rBV2	1139	1248	0.10%	0.015%
7	3.240	278	281	282	rBV	605	660	0.05%	0.008%
8	3.375	302	304	305	rBV	607	423	0.03%	0.005%
9	3.681	353	356	357	rBV	556	521	0.04%	0.006%
10	3.922	386	397	409	rBV	128741	338226	25.79%	3.952%
11	4.099	425	427	430	rVB	470	463	0.04%	0.005%
12	4.128	430	432	434	rBV2	586	483	0.04%	0.006%
13	4.269	444	456	467	rBV2	6598	19678	1.50%	0.230%
14	4.405	477	479	483	rBV2	689	827	0.06%	0.010%
15	4.481	490	492	494	rBV2	871	951	0.07%	0.011%
16	4.622	511	516	518	rVB2	566	790	0.06%	0.009%
17	4.646	518	520	524	rBV2	744	556	0.04%	0.006%
18	4.699	527	529	531	rBV	812	504	0.04%	0.006%
19	4.722	531	533	535	rBV2	562	629	0.05%	0.007%
20	4.805	538	547	557	rVB3	20002	59918	4.57%	0.700%
21	5.046	586	588	590	rVB	869	558	0.04%	0.007%
22	5.111	597	599	600	rBV	644	487	0.04%	0.006%
23	5.181	609	611	613	rVB2	665	554	0.04%	0.006%
24	5.310	631	633	635	rBV2	521	527	0.04%	0.006%
25	5.610	682	684	687	rVB	815	833	0.06%	0.010%
26	5.640	687	689	692	rBV	617	663	0.05%	0.008%
27	5.828	716	721	723	rBV2	1860	2587	0.20%	0.030%
28	5.981	746	747	750	rBV	468	435	0.03%	0.005%
29	6.163	776	778	782	rVB2	687	720	0.05%	0.008%
30	6.205	782	785	786	rBV2	510	542	0.04%	0.006%
31	6.475	830	831	835	rVB	793	424	0.03%	0.005%
32	6.634	855	858	860	rBV2	722	861	0.07%	0.010%
33	6.846	892	894	897	rBV2	688	803	0.06%	0.009%
34	6.899	902	903	905	rBV	637	545	0.04%	0.006%
35	6.987	907	918	927	rBV	24805	72479	5.53%	0.847%
36	7.246	961	962	965	rBV2	603	579	0.04%	0.007%

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

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Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
 Title : SFAM01.0

37	7.310	971	973	976	rVB2	636	544	0.04%	0.006%
38	7.410	988	990	993	rVV	570	723	0.06%	0.008%
39	7.569	1006	1017	1029	rBV2	195687	491221	37.46%	5.739%
40	7.740	1044	1046	1049	rVB	938	917	0.07%	0.011%
41	7.804	1052	1057	1058	rBV	610	718	0.05%	0.008%
42	7.869	1066	1068	1070	rBV2	906	690	0.05%	0.008%
43	7.946	1080	1081	1083	rBV	556	505	0.04%	0.006%
44	8.204	1115	1125	1140	rBV2	349977	1042203	79.48%	12.177%
45	8.781	1213	1223	1233	rBV	382252	773073	58.96%	9.032%
46	9.010	1255	1262	1263	rBV3	1450	2222	0.17%	0.026%
47	9.210	1287	1296	1307	rBV	247876	513249	39.14%	5.997%
48	9.510	1342	1347	1350	rBV2	441	770	0.06%	0.009%
49	9.640	1366	1369	1370	rBV	1015	725	0.06%	0.008%
50	9.693	1377	1378	1380	rVB	828	430	0.03%	0.005%
51	9.763	1387	1390	1392	rBV2	652	780	0.06%	0.009%
52	9.834	1397	1402	1406	rBV5	1514	2282	0.17%	0.027%
53	9.881	1408	1410	1413	rBV2	660	529	0.04%	0.006%
54	9.922	1416	1417	1420	rBV	439	494	0.04%	0.006%
55	9.981	1420	1427	1435	rBV	99066	181500	13.84%	2.121%
56	10.069	1440	1442	1448	rVB2	1190	1677	0.13%	0.020%
57	10.269	1469	1476	1485	rBV	379686	668291	50.97%	7.808%
58	10.446	1504	1506	1508	rBV3	578	574	0.04%	0.007%
59	10.528	1513	1520	1530	rVB	55738	100817	7.69%	1.178%
60	10.669	1540	1544	1552	rVB3	3965	6788	0.52%	0.079%
61	10.810	1565	1568	1572	rVB2	1987	2820	0.22%	0.033%
62	10.881	1572	1580	1591	rBV	83082	145538	11.10%	1.700%
63	10.963	1591	1594	1596	rVV2	1002	923	0.07%	0.011%
64	11.040	1603	1607	1610	rBV2	966	1299	0.10%	0.015%
65	11.234	1638	1640	1641	rVB	753	432	0.03%	0.005%
66	11.251	1641	1643	1646	rBV	627	663	0.05%	0.008%
67	11.293	1649	1650	1653	rBV	758	475	0.04%	0.006%
68	11.357	1659	1661	1665	rVB2	1070	963	0.07%	0.011%
69	11.393	1665	1667	1671	rBV2	523	592	0.05%	0.007%
70	11.522	1687	1689	1692	rBV2	641	740	0.06%	0.009%
71	11.581	1692	1699	1712	rVB	345075	601911	45.90%	7.032%
72	11.687	1712	1717	1720	rBV4	1698	2498	0.19%	0.029%
73	11.798	1734	1736	1739	rBV2	1040	947	0.07%	0.011%
74	11.898	1750	1753	1755	rBV	765	796	0.06%	0.009%
75	11.992	1767	1769	1772	rVB	754	516	0.04%	0.006%
76	12.116	1788	1790	1792	rVV	784	813	0.06%	0.009%

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77	12.169	1795	1799	1801	rBV2	490	591	0.05%	0.007%
78	12.245	1811	1812	1814	rBV	810	733	0.06%	0.009%
79	12.292	1814	1820	1826	rVB	33859	54249	4.14%	0.634%
80	12.428	1836	1843	1849	rBV	32978	55459	4.23%	0.648%
81	12.581	1864	1869	1874	rBV2	8717	13518	1.03%	0.158%
82	12.651	1874	1881	1890	rVV	179565	307440	23.45%	3.592%
83	12.845	1912	1914	1916	rBV	799	568	0.04%	0.007%
84	12.898	1916	1923	1932	rVV	194322	321666	24.53%	3.758%
85	12.987	1932	1938	1947	rVB2	38672	68854	5.25%	0.804%
86	13.134	1958	1963	1965	rBV4	1796	2323	0.18%	0.027%
87	13.204	1970	1975	1983	rBV2	11320	18885	1.44%	0.221%
88	13.328	1989	1996	2003	rBV	56249	90265	6.88%	1.055%
89	13.434	2008	2014	2017	rBV2	27902	47223	3.60%	0.552%
90	13.516	2022	2028	2035	rVB	164099	268007	20.44%	3.131%
91	13.681	2050	2056	2062	rBV	88693	129102	9.85%	1.508%
92	13.775	2068	2072	2073	rBV2	727	906	0.07%	0.011%
93	13.816	2073	2079	2087	rVB	125688	208268	15.88%	2.433%
94	13.963	2099	2104	2109	rBV2	28326	41571	3.17%	0.486%
95	14.051	2114	2119	2123	rVV	9625	15699	1.20%	0.183%
96	14.110	2128	2129	2135	rVB4	1603	2122	0.16%	0.025%
97	14.228	2147	2149	2152	rBV2	1058	1126	0.09%	0.013%
98	15.410	2344	2350	2355	rBV4	4908	9536	0.73%	0.111%
99	15.481	2358	2362	2365	rBV3	2389	3829	0.29%	0.045%
100	15.881	2429	2430	2432	rBV2	989	769	0.06%	0.009%

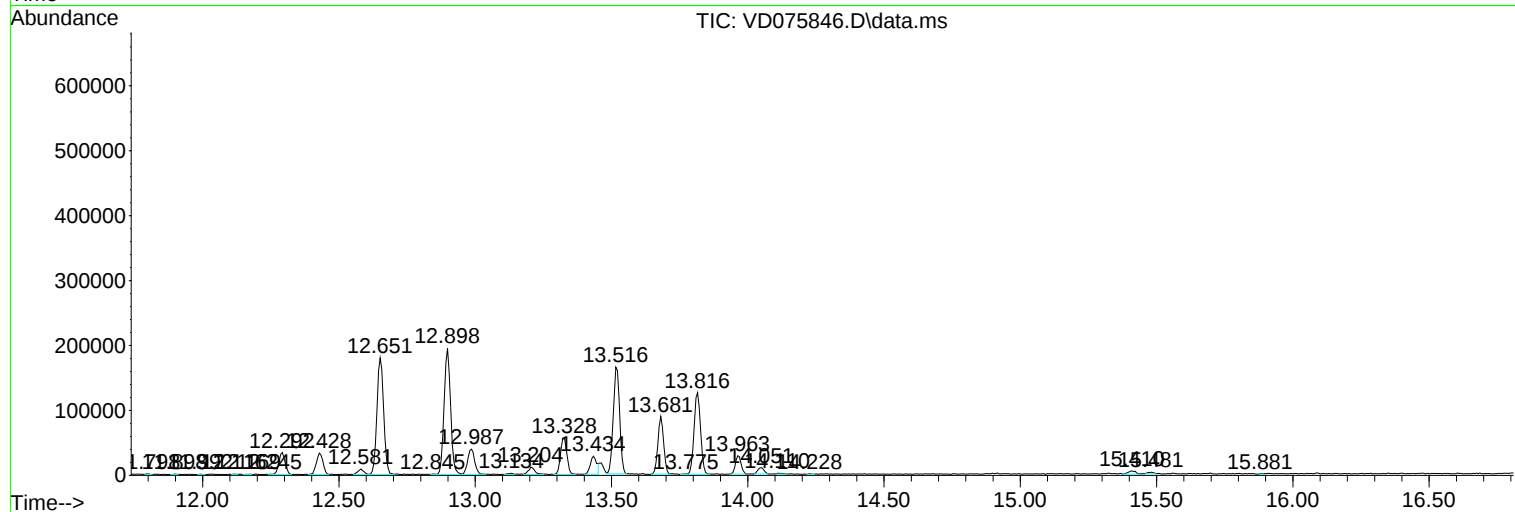
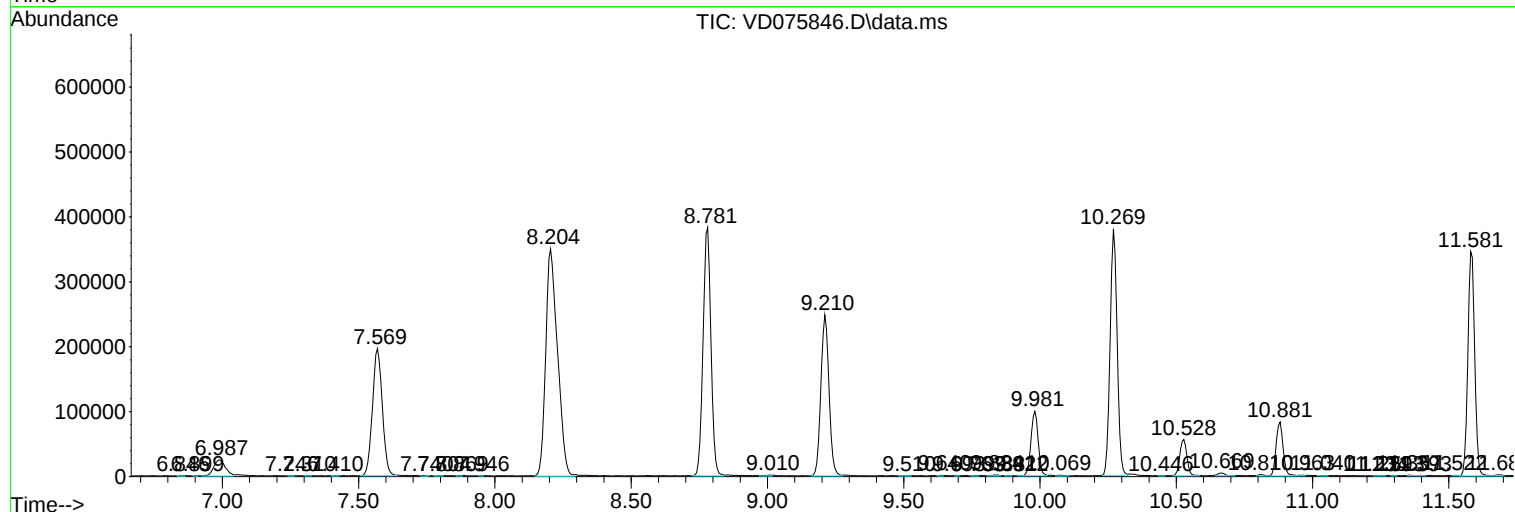
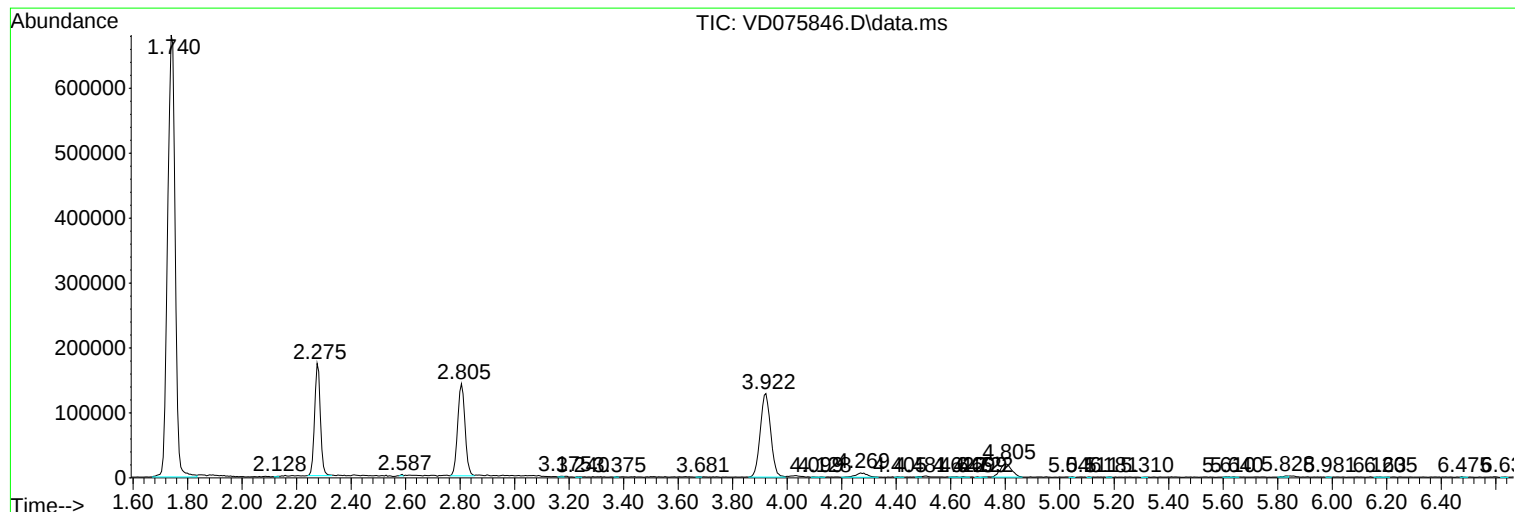
Sum of corrected areas: 8559012

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ALS Vial : 24 Sample Multiplier: 1

Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.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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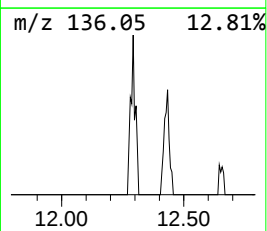
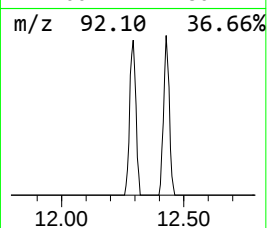
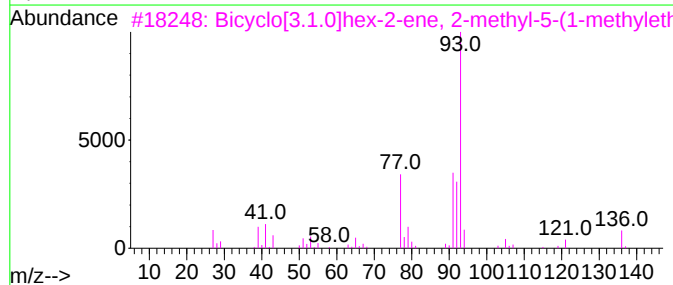
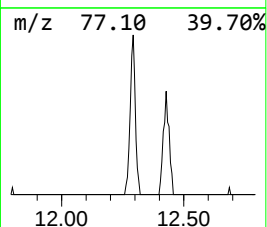
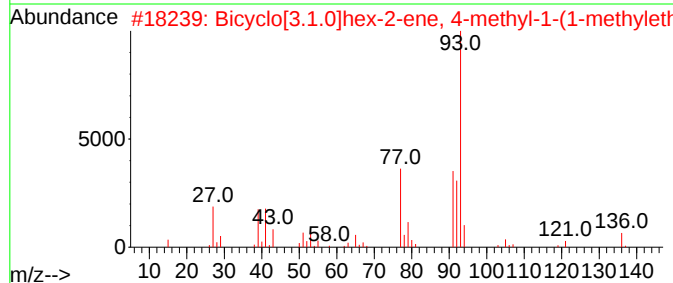
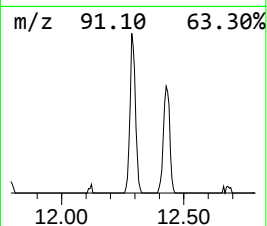
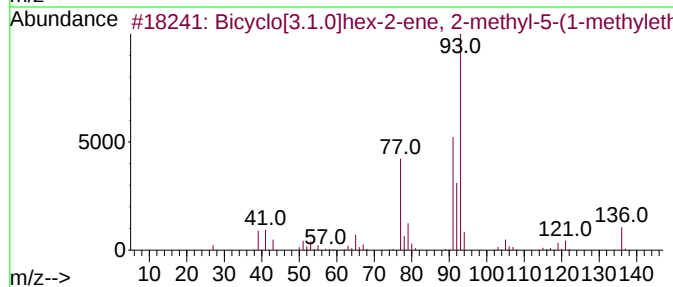
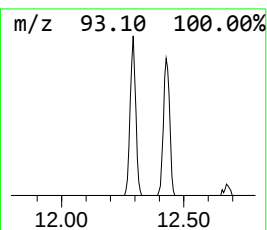
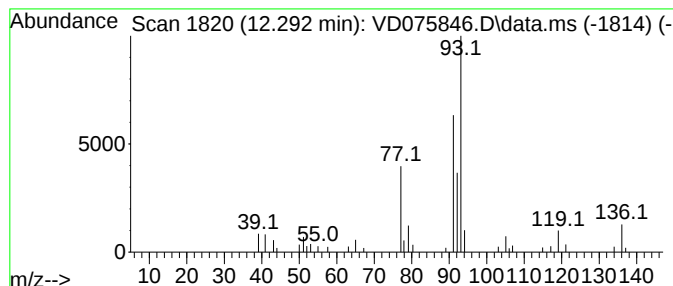
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 Bicyclo[3.1.0]hex-2-ene, 2-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.293	2.25 ug/L	54249	Chlorobenzene-d5	11.581

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[3.1.0]hex-2-ene, 2-methy...	136	C10H16	002867-05-2	91
2			Bicyclo[3.1.0]hex-2-ene, 4-methy...	136	C10H16	028634-89-1	90
3			Bicyclo[3.1.0]hex-2-ene, 2-methy...	136	C10H16	002867-05-2	90
4			Bicyclo[3.1.0]hex-2-ene, 2-methy...	136	C10H16	002867-05-2	90
5			.alpha.-Phellandrene	136	C10H16	000099-83-2	90



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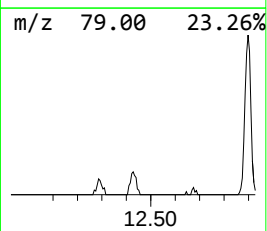
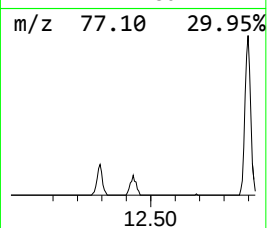
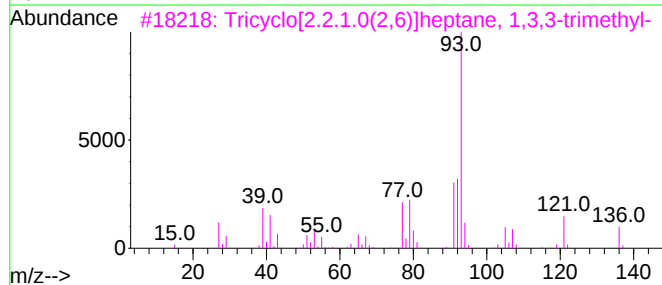
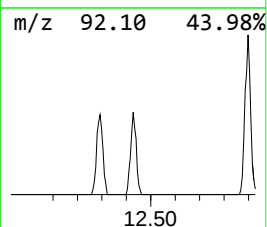
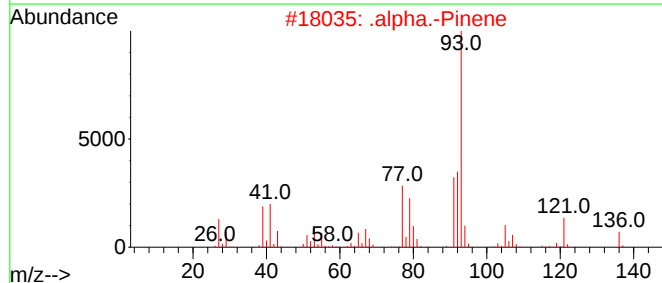
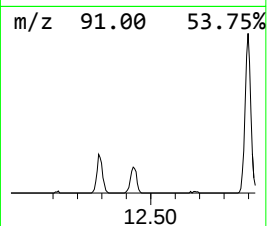
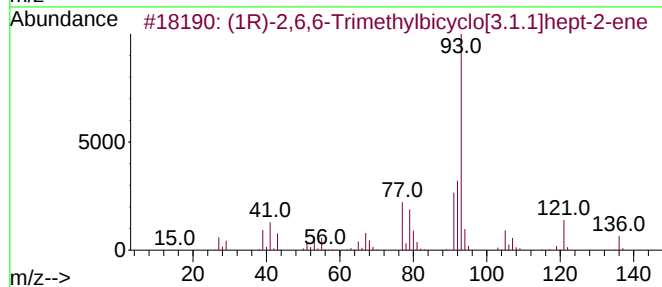
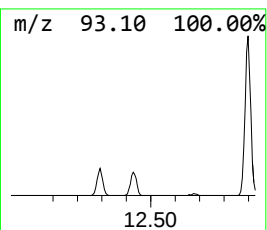
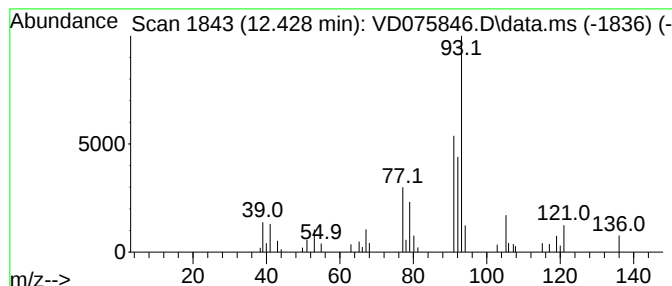
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.428	2.30 ug/L	55459	Chlorobenzene-d5	11.581

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	136	C10H16	007785-70-8	87
2			.alpha.-Pinene	136	C10H16	000080-56-8	87
3			Tricyclo[2.2.1.0(2,6)]heptane, 1,3,3-trimethyl-	136	C10H16	000488-97-1	86
4			.alpha.-Pinene	136	C10H16	000080-56-8	83
5			.alpha.-Pinene	136	C10H16	000080-56-8	83



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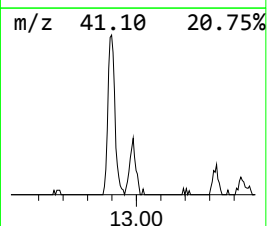
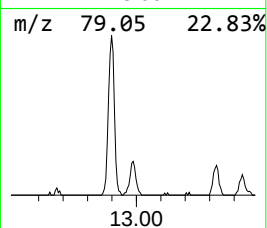
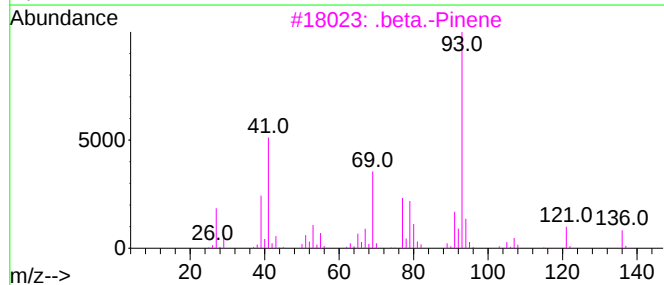
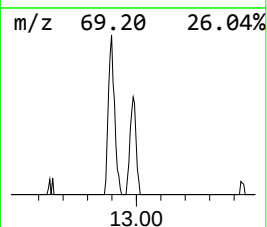
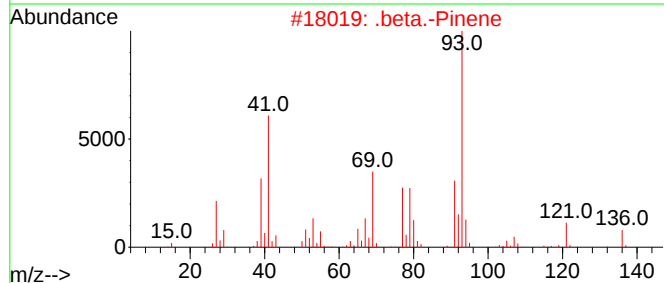
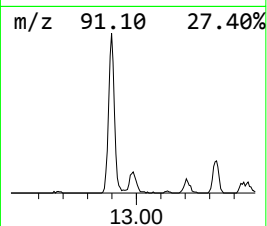
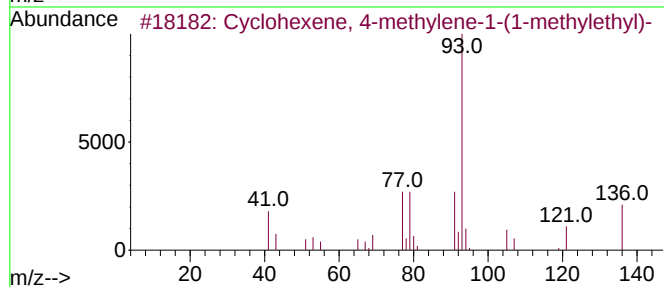
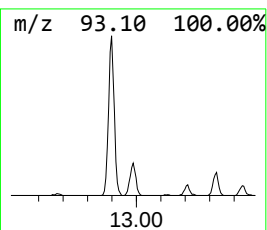
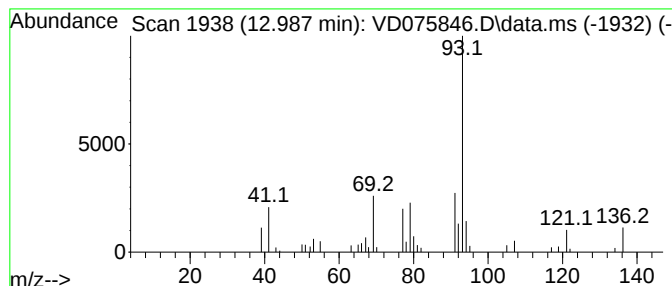
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
Quant Title : SFAM01.0

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

Peak Number 6 Cyclohexene, 4-methylene-1-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.987	6.42 ug/L	68854	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 4-methylene-1-(1-me...	136	C10H16	000099-84-3	91
2			.beta.-Pinene	136	C10H16	000127-91-3	91
3			.beta.-Pinene	136	C10H16	000127-91-3	91
4			Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	91
5			.beta.-Pinene	136	C10H16	000127-91-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042623\
Data File : VD075846.D
Acq On : 26 Apr 2023 20:35
Operator : KP/SY
Sample : 02447-20
Misc : 5.84G/10.00ml/MSVOA_D/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EW938

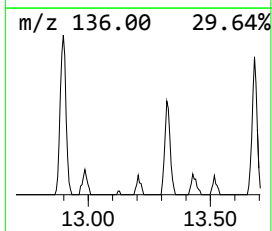
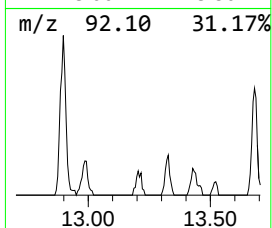
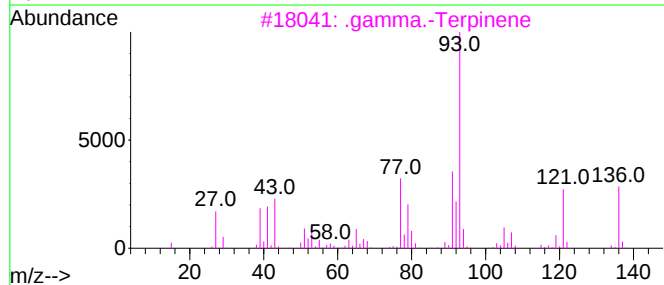
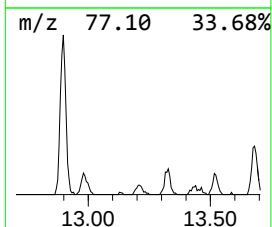
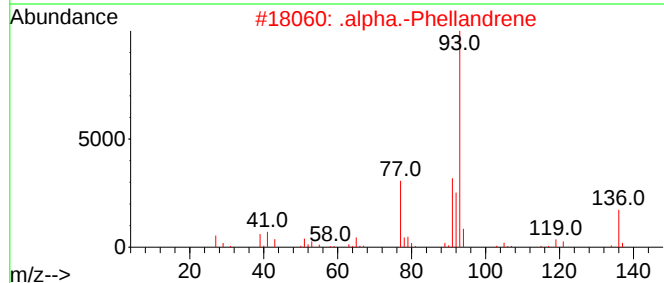
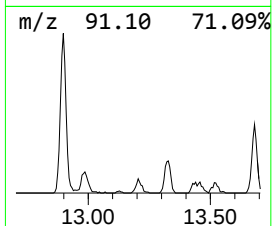
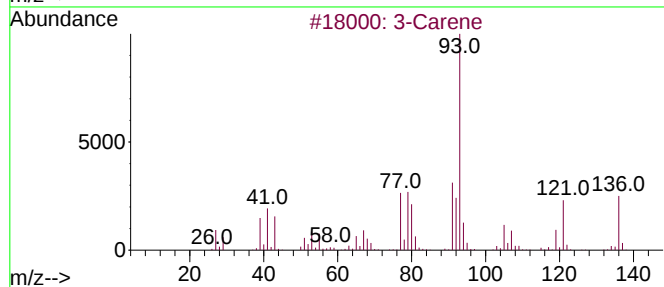
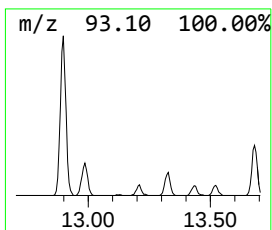
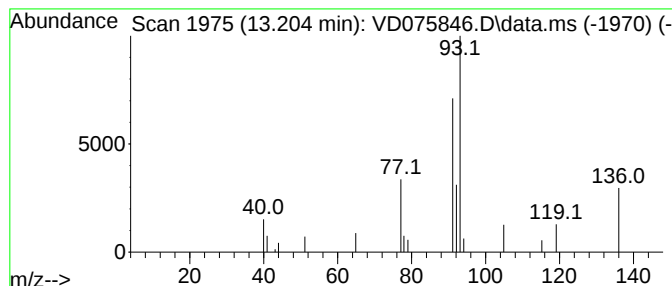
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Quant Title : SFAM01.0

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

Peak Number 7 3-Carene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.204	1.76 ug/L	18885	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Carene	136	C10H16	013466-78-9	80
2			.alpha.-Phellandrene	136	C10H16	000099-83-2	72
3			.gamma.-Terpinene	136	C10H16	000099-85-4	72
4			.alpha.-Phellandrene	136	C10H16	000099-83-2	64
5			.alpha.-Phellandrene	136	C10H16	000099-83-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042623\
Data File : VD075846.D
Acq On : 26 Apr 2023 20:35
Operator : KP/SY
Sample : 02447-20
Misc : 5.84G/10.00ml/MSVOA_D/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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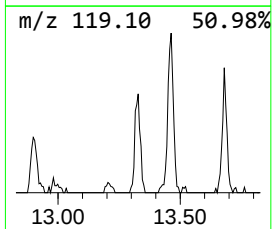
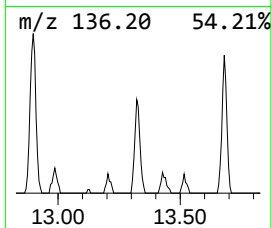
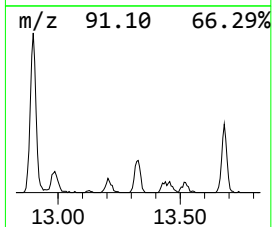
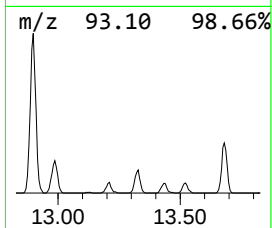
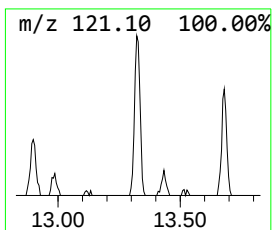
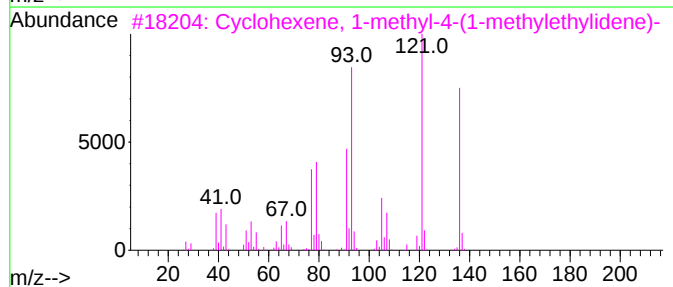
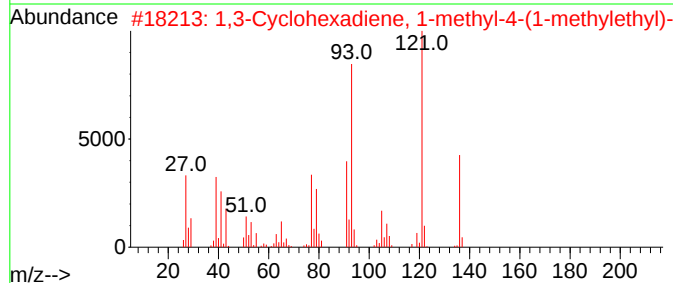
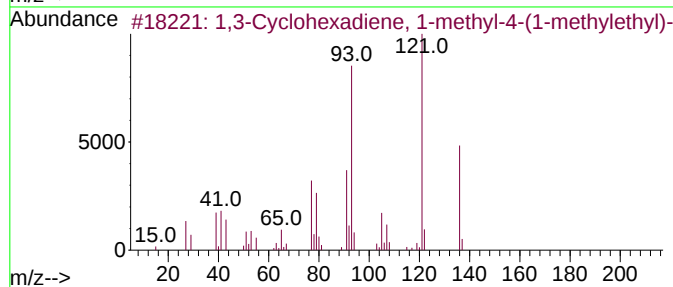
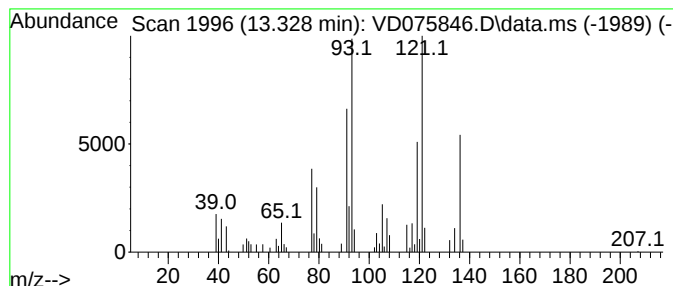
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Quant Title : SFAM01.0

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

Peak Number 8 1,3-Cyclohexadiene, 1-methy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.328	8.42 ug/L	90265	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	93
2			1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	90
3			Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	90
4			2-Carene	136	C10H16	000554-61-0	90
5			Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042623\
Data File : VD075846.D
Acq On : 26 Apr 2023 20:35
Operator : KP/SY
Sample : 02447-20
Misc : 5.84G/10.00ml/MSVOA_D/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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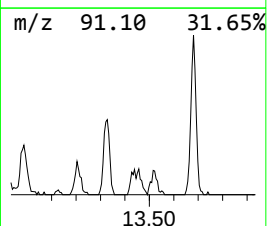
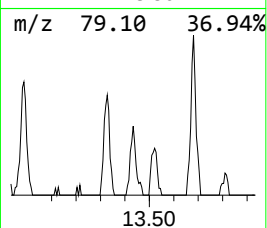
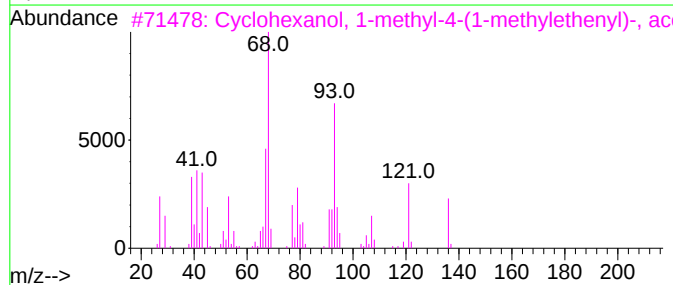
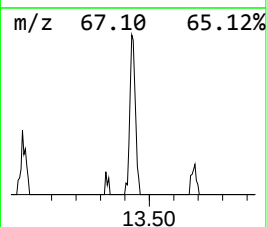
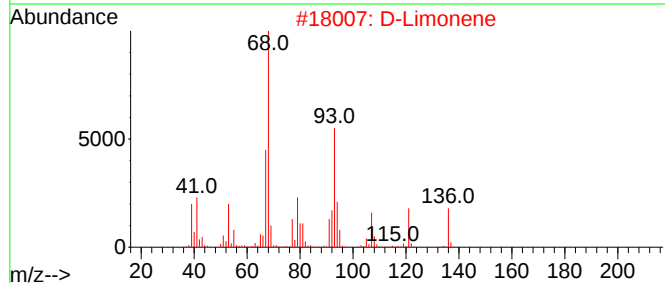
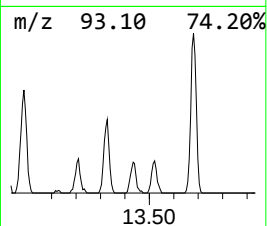
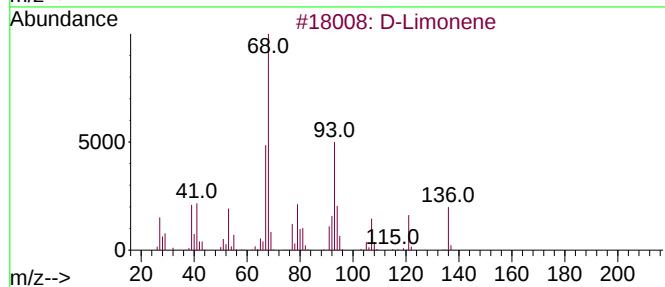
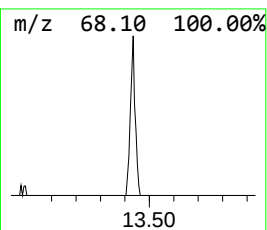
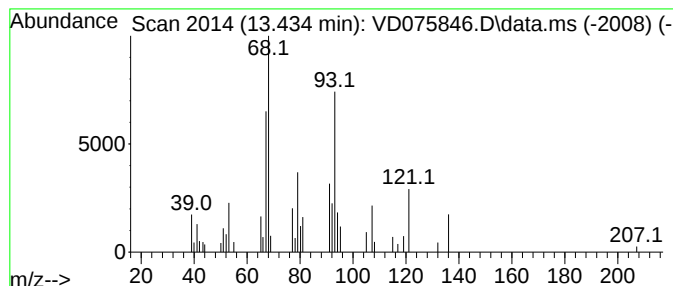
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Quant Title : SFAM01.0

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

Peak Number 9 D-Limonene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.434	4.41 ug/L	47223	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			D-Limonene	136	C10H16	005989-27-5	91
2			D-Limonene	136	C10H16	005989-27-5	91
3			Cyclohexanol, 1-methyl-4-(1-meth...	196	C12H20O2	010198-23-9	86
4			Limonene	136	C10H16	000138-86-3	86
5			Cyclohexene, 4-ethenyl-1,4-dimet...	136	C10H16	001743-61-9	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042623\
Data File : VD075846.D
Acq On : 26 Apr 2023 20:35
Operator : KP/SY
Sample : 02447-20
Misc : 5.84G/10.00ml/MSVOA_D/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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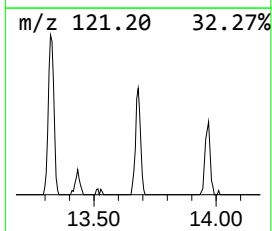
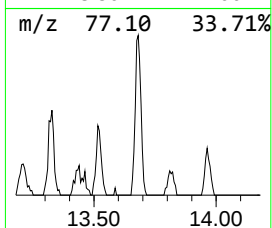
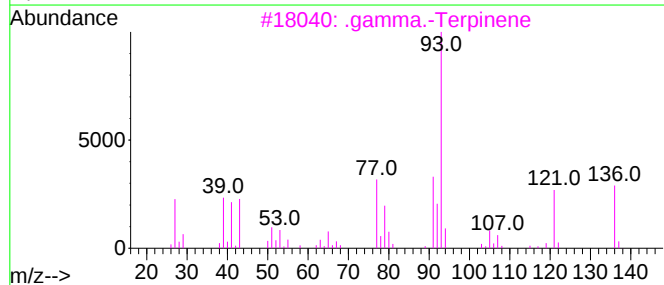
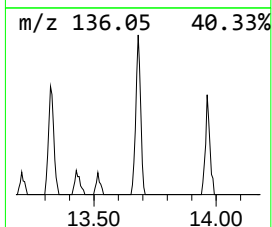
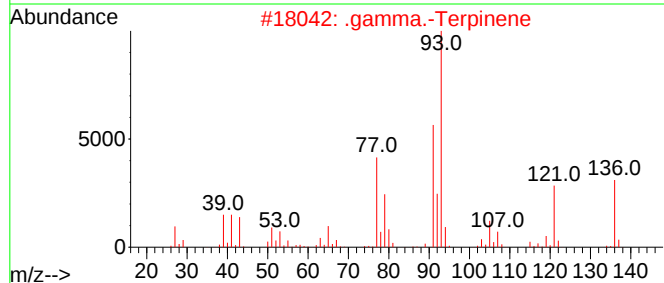
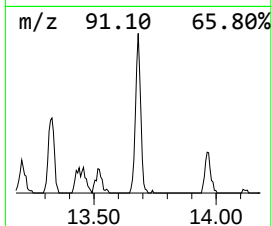
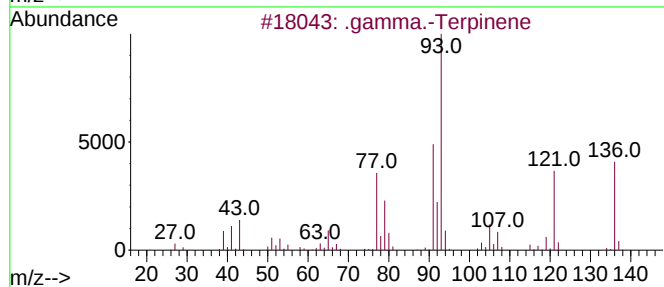
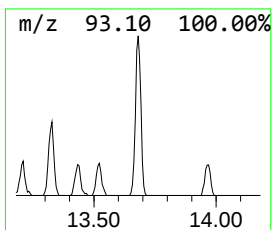
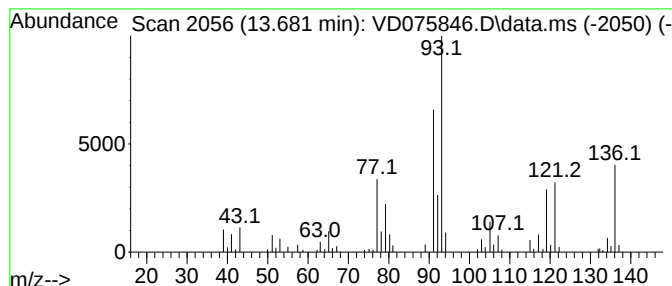
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Quant Title : SFAM01.0

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

Peak Number 10 .gamma.-Terpinene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.681	12.04 ug/L	129102	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	.	gamma.-Terpinene	136	C10H16	000099-85-4	91	
2	.	gamma.-Terpinene	136	C10H16	000099-85-4	91	
3	.	gamma.-Terpinene	136	C10H16	000099-85-4	87	
4	.	gamma.-Terpinene	136	C10H16	000099-85-4	81	
5	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	81		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042623\
Data File : VD075846.D
Acq On : 26 Apr 2023 20:35
Operator : KP/SY
Sample : 02447-20
Misc : 5.84G/10.00ml/MSVOA_D/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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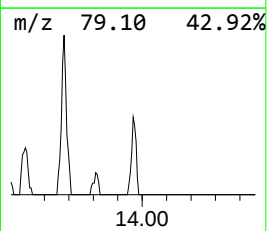
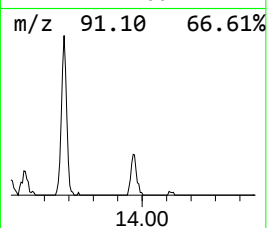
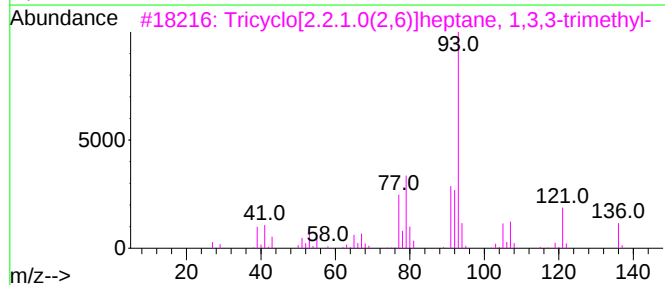
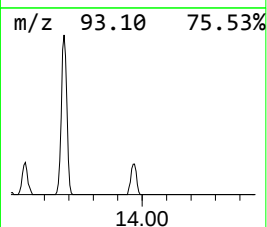
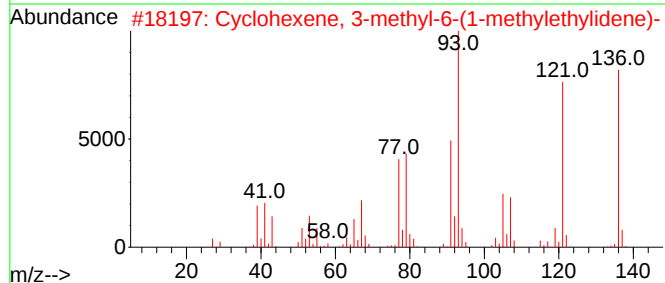
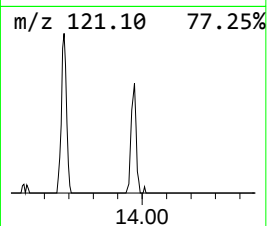
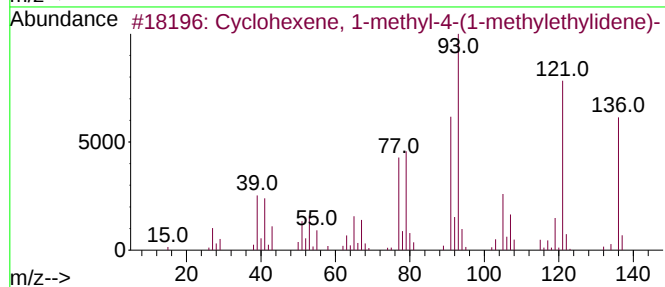
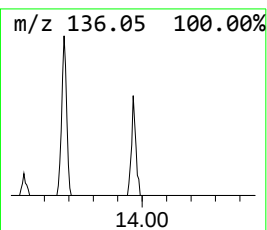
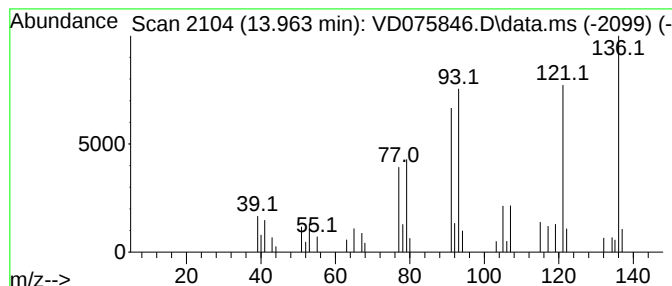
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Quant Title : SFAM01.0

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

Peak Number 11 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.963	3.88 ug/L	41571	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	96
2			Cyclohexene, 3-methyl-6-(1-methy...	136	C10H16	000586-63-0	94
3			Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000488-97-1	94
4			1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	93
5			2-Carene	136	C10H16	000554-61-0	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042623\
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Sample : 02447-20
Misc : 5.84G/10.00ml/MSVOA_D/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EW938

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.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
Bicyclo[3.1.0]h...	12.293	2.3	ug/L	54249	2	11.581	601911	25.0
(1R)-2,6,6-Trim...	12.428	2.3	ug/L	55459	2	11.581	601911	25.0
Cyclohexene, 4-...	12.987	6.4	ug/L	68854	3	13.516	268007	25.0
3-Carene	13.204	1.8	ug/L	18885	3	13.516	268007	25.0
1,3-Cyclohexadi...	13.328	8.4	ug/L	90265	3	13.516	268007	25.0
D-Limonene	13.434	4.4	ug/L	47223	3	13.516	268007	25.0
.gamma.-Terpinene	13.681	12.0	ug/L	129102	3	13.516	268007	25.0
Cyclohexene, 1-...	13.963	3.9	ug/L	41571	3	13.516	268007	25.0