

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020314.D
 Acq On : 06 Oct 2021 14:12
 Operator : SY/VA
 Sample : M3974-01
 Misc : 5.14g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW8Y7

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\SFAMWLM100621SMA.M
 Title : SFAM01.0

Signal : TIC: VW020314.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.349	67	73	79	rVB	57482	89704	1.66%	0.150%
2	2.885	154	161	172	rVB	25188	52882	0.98%	0.088%
3	4.019	336	347	360	rBV	81320	232603	4.29%	0.388%
4	4.921	482	495	519	rBV4	11958	53757	0.99%	0.090%
5	7.177	857	865	874	rVB2	19171	54008	1.00%	0.090%
6	7.653	932	943	959	rBV	169125	421923	7.79%	0.704%
7	7.951	978	992	1000	rBV4	25385	92989	1.72%	0.155%
8	8.159	1017	1026	1032	rBV	25324	57656	1.06%	0.096%
9	8.281	1032	1046	1061	rBV2	310533	960908	17.74%	1.603%
10	8.433	1062	1071	1078	rBV4	20367	55634	1.03%	0.093%
11	8.579	1089	1095	1106	rVB2	34886	83191	1.54%	0.139%
12	8.695	1106	1114	1128	rVB	54661	110933	2.05%	0.185%
13	8.841	1129	1138	1158	rBV	338269	695841	12.85%	1.161%
14	9.091	1171	1179	1193	rVB7	20223	59262	1.09%	0.099%
15	9.274	1200	1209	1215	rBV	239568	546962	10.10%	0.912%
16	9.335	1215	1219	1226	rVB	148392	282626	5.22%	0.471%
17	9.518	1235	1249	1255	rBV	26669	54638	1.01%	0.091%
18	9.610	1255	1264	1270	rBV	30227	58814	1.09%	0.098%
19	9.750	1282	1287	1295	rVB	45679	91281	1.69%	0.152%
20	9.957	1316	1321	1329	rBV2	69567	144047	2.66%	0.240%
21	10.036	1329	1334	1338	rVV	58266	93506	1.73%	0.156%
22	10.097	1338	1344	1355	rVB4	53907	141998	2.62%	0.237%
23	10.207	1355	1362	1366	rBV	34256	65467	1.21%	0.109%
24	10.323	1374	1381	1397	rBV	482179	977481	18.05%	1.631%
25	10.506	1404	1411	1418	rVB3	150915	298029	5.50%	0.497%
26	10.579	1418	1423	1427	rBV	48159	88392	1.63%	0.147%
27	10.664	1433	1437	1445	rVB	81292	140359	2.59%	0.234%
28	10.756	1445	1452	1462	rBV5	54522	140957	2.60%	0.235%
29	10.933	1473	1481	1488	rBV2	78618	156425	2.89%	0.261%
30	11.024	1488	1496	1499	rBV4	29659	80546	1.49%	0.134%
31	11.103	1505	1509	1512	rBV3	38535	58690	1.08%	0.098%
32	11.176	1517	1521	1525	rVB	105626	157522	2.91%	0.263%
33	11.231	1525	1530	1535	rVB	138387	233429	4.31%	0.389%
34	11.335	1542	1547	1552	rVB2	61425	100850	1.86%	0.168%
35	11.414	1552	1560	1562	rBV4	81328	167239	3.09%	0.279%
36	11.512	1571	1576	1581	rBV	101224	169144	3.12%	0.282%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020314.D
 Acq On : 06 Oct 2021 14:12
 Operator : SY/VA
 Sample : M3974-01
 Misc : 5.14g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW8Y7

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\SFAMWLM100621SMA.M
 Title : SFAM01.0

37	11.634	1590	1596	1602	rBV	416491	707832	13.07%	1.181%
38	11.731	1607	1612	1615	rBV2	35782	61194	1.13%	0.102%
39	11.810	1620	1625	1626	rBV2	49205	73620	1.36%	0.123%
40	11.841	1626	1630	1633	rVV	125978	190355	3.51%	0.318%
41	11.871	1633	1635	1639	rVB	55170	74844	1.38%	0.125%
42	12.036	1658	1662	1672	rVB7	27191	83853	1.55%	0.140%
43	12.140	1672	1679	1690	rBV3	124332	421988	7.79%	0.704%
44	12.249	1691	1697	1701	rVB	142456	233831	4.32%	0.390%
45	12.341	1701	1712	1713	rBV3	174573	335486	6.19%	0.560%
46	12.463	1728	1732	1736	rBV2	44528	78992	1.46%	0.132%
47	12.512	1736	1740	1741	rVV4	52651	83517	1.54%	0.139%
48	12.536	1742	1744	1747	rVV2	95377	130019	2.40%	0.217%
49	12.566	1747	1749	1753	rVB	108006	124491	2.30%	0.208%
50	12.615	1753	1757	1759	rBV3	33232	48050	0.89%	0.080%
51	12.652	1759	1763	1766	rBV	72949	86155	1.59%	0.144%
52	12.694	1766	1770	1775	rVB	182036	284596	5.25%	0.475%
53	12.780	1779	1784	1791	rVB4	177778	327888	6.05%	0.547%
54	12.859	1791	1797	1800	rBV5	89072	207802	3.84%	0.347%
55	12.932	1800	1809	1815	rVV4	387046	1186700	21.91%	1.980%
56	12.987	1816	1818	1823	rVB2	92725	131799	2.43%	0.220%
57	13.103	1829	1837	1843	rBV	906830	1603742	29.61%	2.675%
58	13.164	1843	1847	1856	rVB2	272608	426405	7.87%	0.711%
59	13.255	1857	1862	1865	rBV	107860	179472	3.31%	0.299%
60	13.298	1865	1869	1872	rBV3	66485	133101	2.46%	0.222%
61	13.341	1873	1876	1879	rBV4	80260	112149	2.07%	0.187%
62	13.444	1887	1893	1897	rBV5	273580	575738	10.63%	0.960%
63	13.487	1897	1900	1903	rVV3	189985	301034	5.56%	0.502%
64	13.554	1907	1911	1913	rVV2	363478	517838	9.56%	0.864%
65	13.585	1913	1916	1920	rVB	520965	721395	13.32%	1.203%
66	13.621	1920	1922	1926	rBV	76093	81664	1.51%	0.136%
67	13.719	1931	1938	1940	rBV	448492	738374	13.63%	1.232%
68	13.755	1940	1944	1948	rVV	798607	1196035	22.08%	1.995%
69	13.798	1948	1951	1957	rVV3	289870	469011	8.66%	0.782%
70	13.877	1957	1964	1969	rVB3	453727	857921	15.84%	1.431%
71	13.944	1972	1975	1981	rVV	326238	505798	9.34%	0.844%
72	14.011	1981	1986	1995	rVB2	465909	981984	18.13%	1.638%
73	14.097	1995	2000	2004	rBV	1152637	1711764	31.60%	2.856%
74	14.206	2012	2018	2023	rVB2	1601733	2615717	48.29%	4.364%
75	14.267	2023	2028	2033	rBV6	104538	238118	4.40%	0.397%
76	14.341	2033	2040	2044	rBV3	565617	1166965	21.55%	1.947%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020314.D
 Acq On : 06 Oct 2021 14:12
 Operator : SY/VA
 Sample : M3974-01
 Misc : 5.14g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW8Y7

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\SFAMWLM100621SMA.M
 Title : SFAM01.0

77	14.389	2044	2048	2050	rVV3	504378	863770	15.95%	1.441%
78	14.420	2050	2053	2056	rVV2	731326	1189173	21.96%	1.984%
79	14.456	2056	2059	2062	rVV	793374	1028217	18.98%	1.715%
80	14.499	2062	2066	2069	rVB2	521931	655143	12.10%	1.093%
81	14.542	2069	2073	2080	rVB3	271818	593480	10.96%	0.990%
82	14.603	2080	2083	2085	rBV2	78296	110518	2.04%	0.184%
83	14.688	2092	2097	2101	rBV3	756249	1396792	25.79%	2.330%
84	14.725	2101	2103	2108	rVB2	421372	587543	10.85%	0.980%
85	14.804	2108	2116	2120	rBV3	2202784	5416200	100.00%	9.036%
86	14.956	2138	2141	2147	rVB5	130539	242046	4.47%	0.404%
87	15.060	2149	2158	2163	rBV2	1260395	2850312	52.63%	4.755%
88	15.176	2170	2177	2184	rBV2	1256910	3003351	55.45%	5.010%
89	15.243	2184	2188	2195	rVB7	443232	1043452	19.27%	1.741%
90	15.322	2195	2201	2211	rVB4	1132591	2063493	38.10%	3.442%
91	15.468	2219	2225	2229	rBV2	479094	952134	17.58%	1.588%
92	15.651	2247	2255	2262	rBV4	698841	1741744	32.16%	2.906%
93	15.724	2263	2267	2273	rVV	482520	870875	16.08%	1.453%
94	15.822	2277	2283	2292	rVB2	420749	1060320	19.58%	1.769%
95	15.944	2300	2303	2307	rBV2	182864	278750	5.15%	0.465%
96	16.011	2308	2314	2321	rVB4	360328	1072403	19.80%	1.789%
97	16.163	2331	2339	2344	rBV4	413811	1086250	20.06%	1.812%
98	16.212	2344	2347	2353	rVV3	331722	576515	10.64%	0.962%
99	16.279	2353	2358	2365	rVB	626049	1116150	20.61%	1.862%
100	16.639	2409	2417	2428	rVB2	980358	2867294	52.94%	4.783%

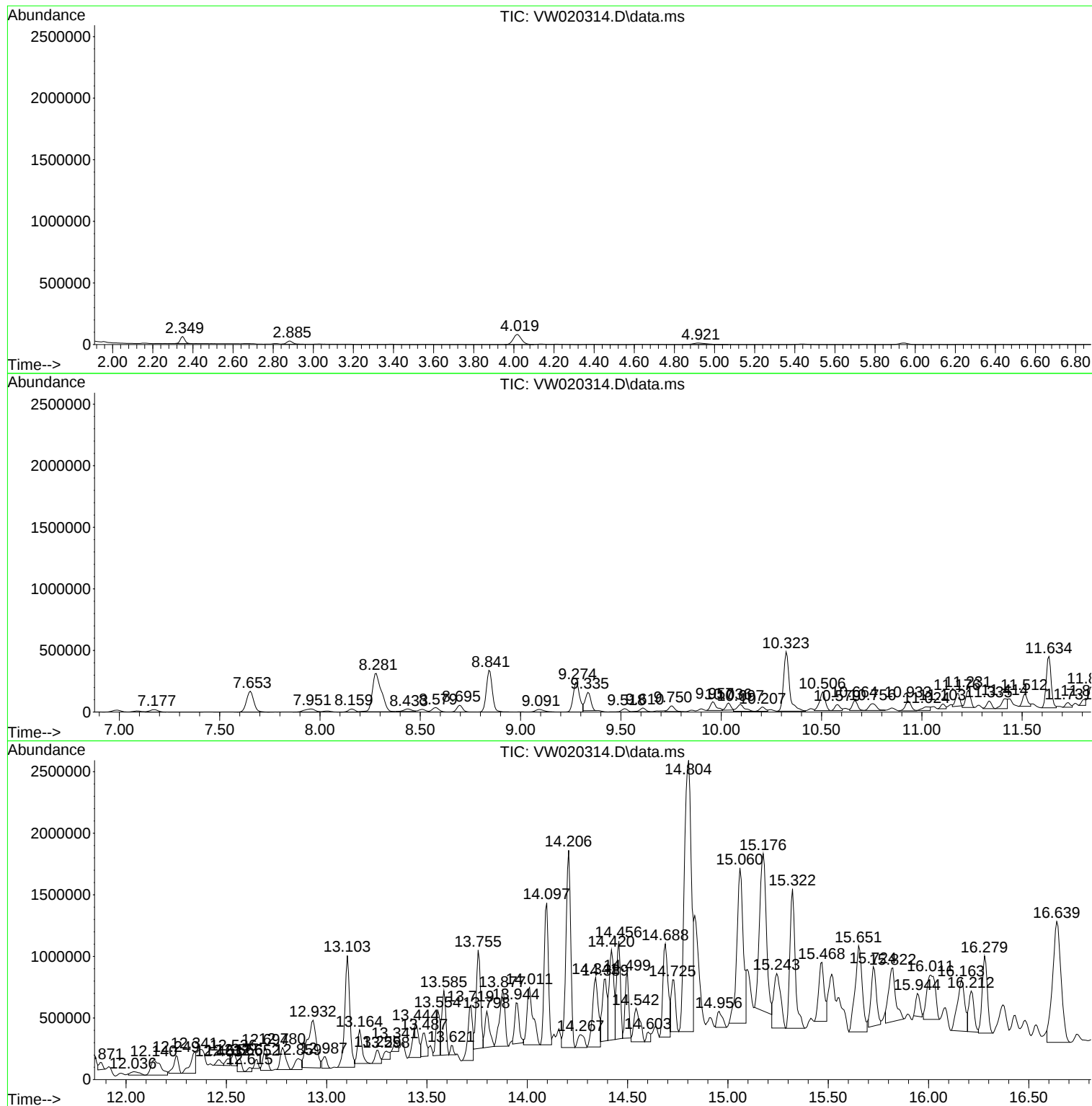
Sum of corrected areas: 59942855

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

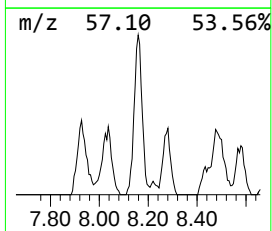
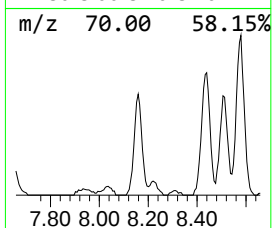
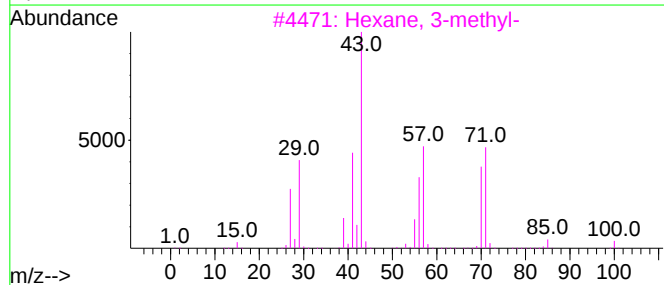
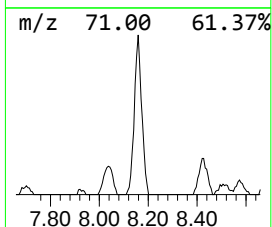
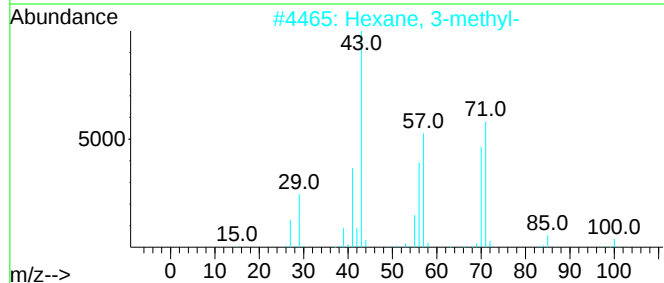
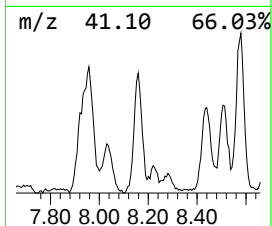
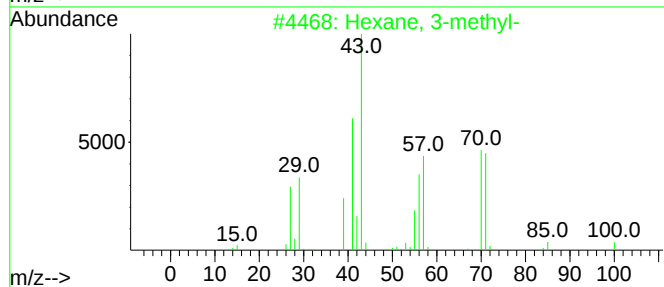
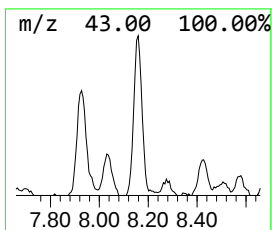
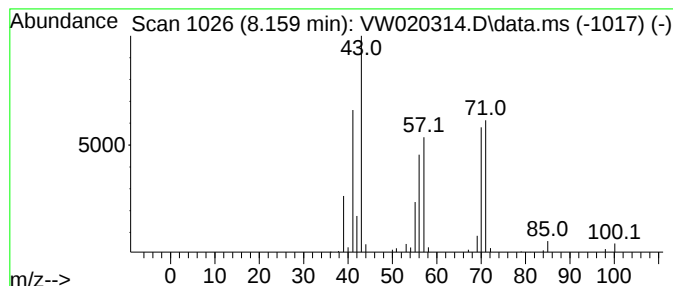
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.159	2.07 ug/L	57656	1,4-Difluorobenzene	8.841

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 3-methyl-	100	C7H16	000589-34-4	95
2			Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3			Hexane, 3-methyl-	100	C7H16	000589-34-4	80
4			Heptane	100	C7H16	000142-82-5	58
5			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

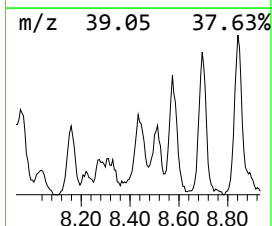
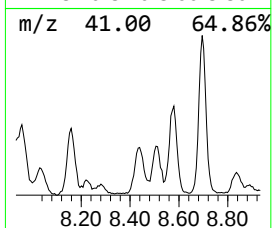
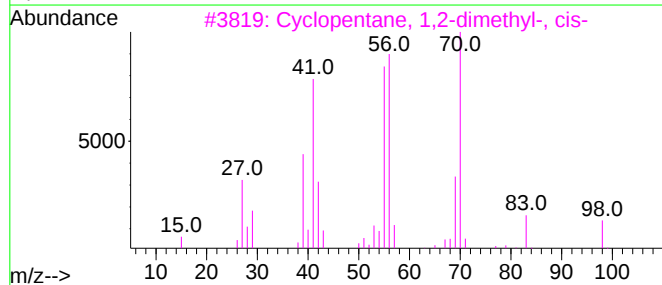
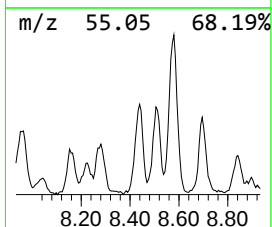
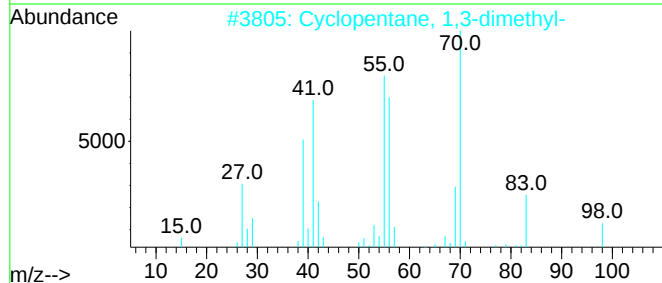
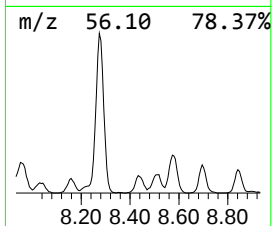
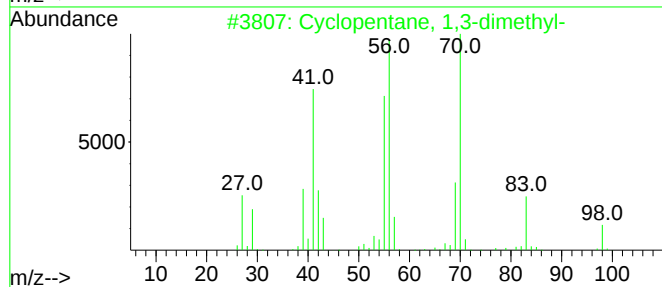
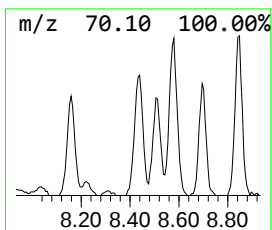
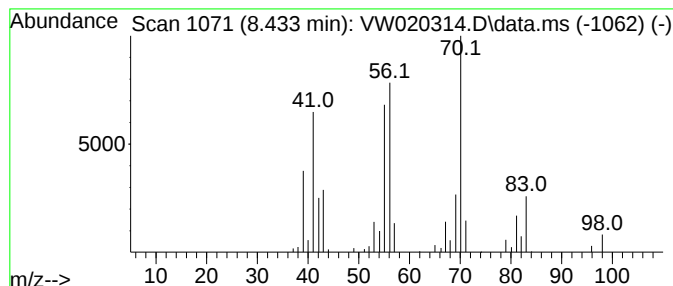
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Cyclic8.433 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.433	2.00 ug/L	55634	1,4-Difluorobenzene	8.841

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	90
2			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	87
3			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	80
4			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	80
5			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

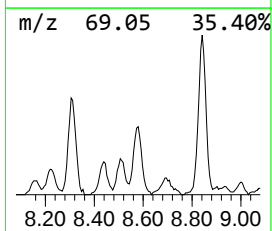
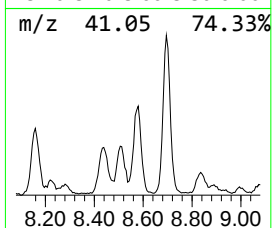
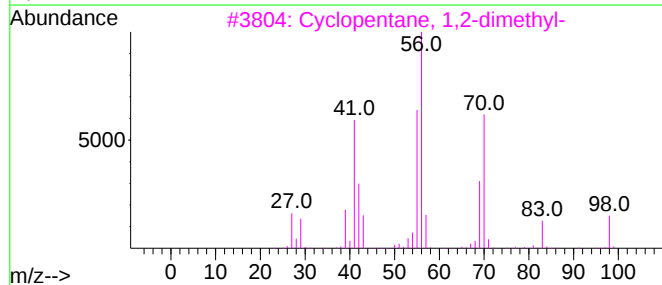
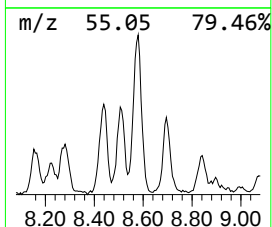
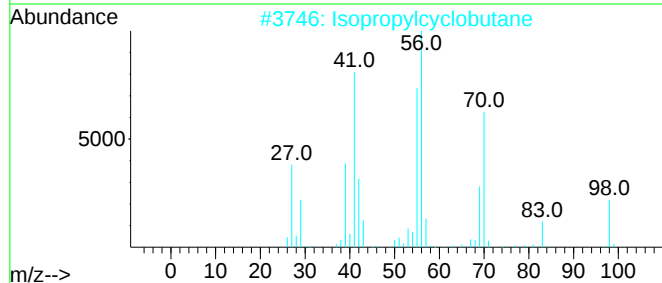
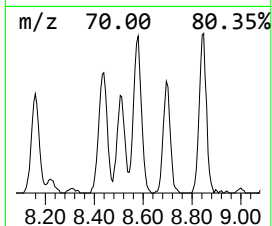
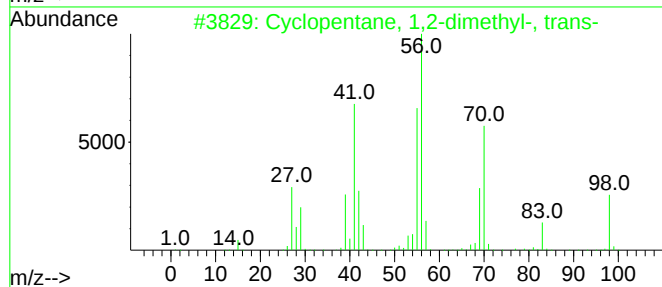
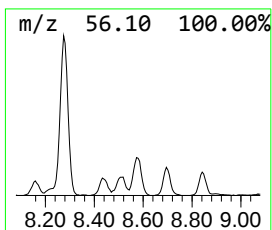
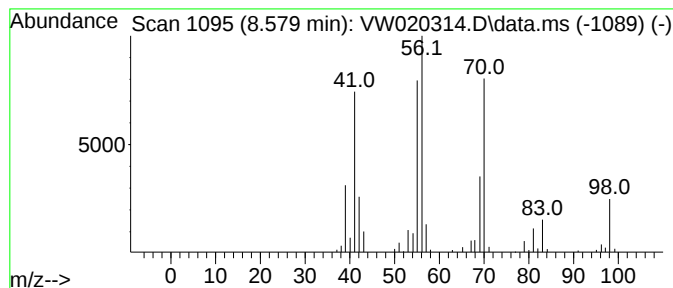
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Cyclic8.579 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.579	2.99 ug/L	83191	1,4-Difluorobenzene	8.841

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	94
2			Isopropylcyclobutane	98	C7H14	000872-56-0	94
3			Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
4			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
5			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

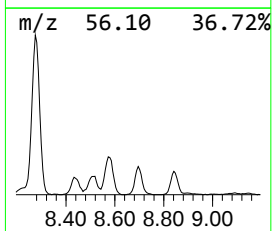
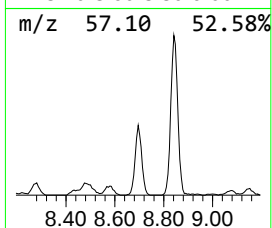
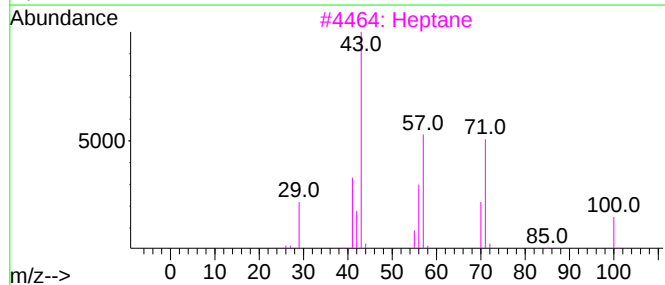
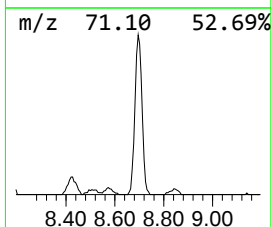
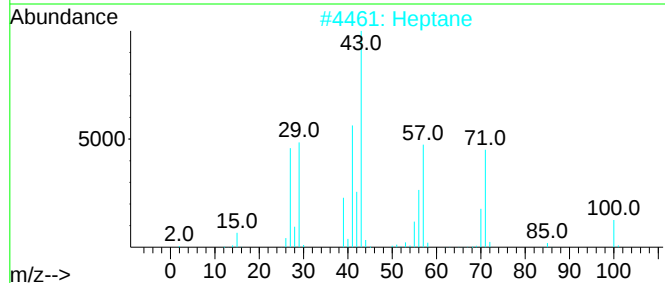
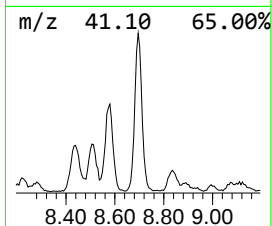
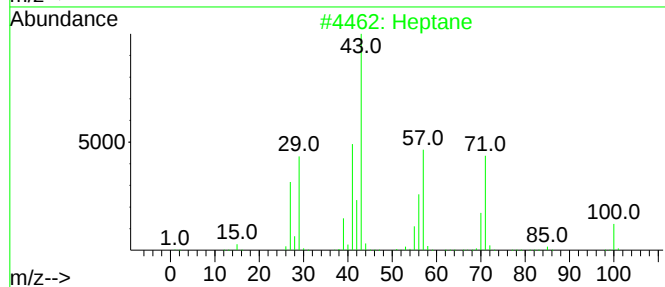
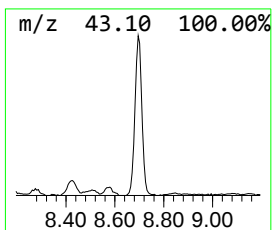
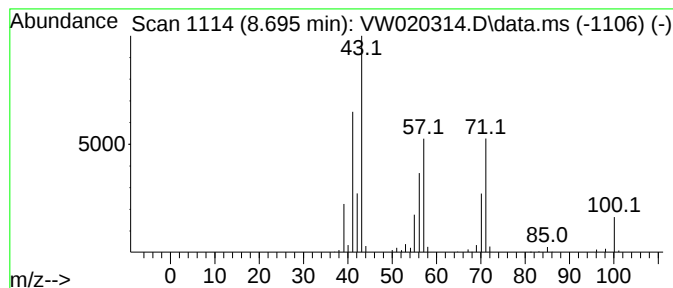
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.695	3.99 ug/L	110933	1,4-Difluorobenzene	8.841

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane	100	C7H16	000142-82-5	87
2			Heptane	100	C7H16	000142-82-5	83
3			Heptane	100	C7H16	000142-82-5	83
4			Heptane	100	C7H16	000142-82-5	81
5			Hexane, 3-methyl-	100	C7H16	000589-34-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

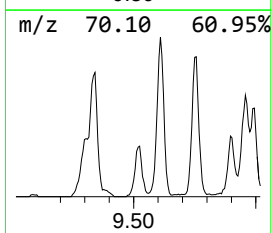
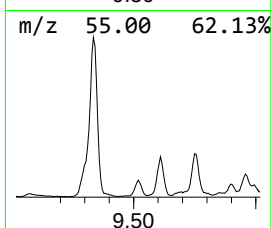
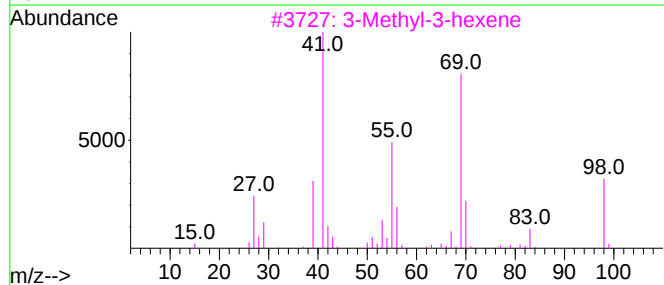
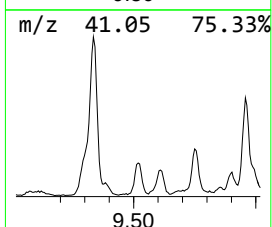
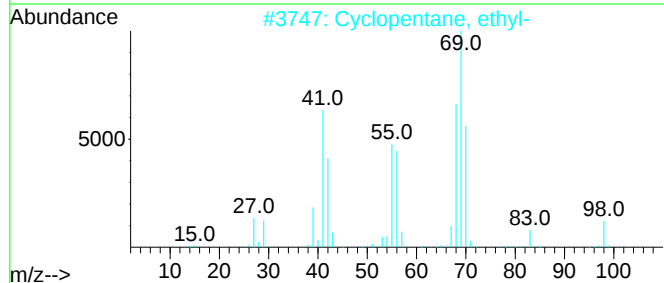
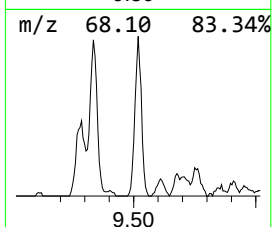
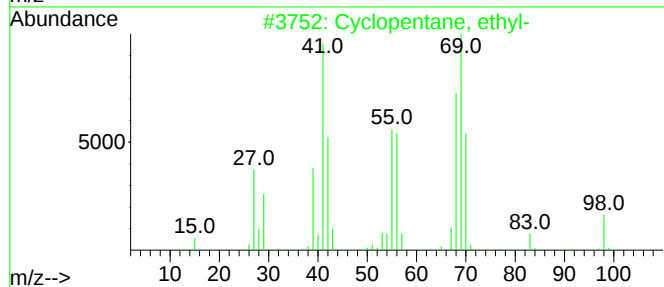
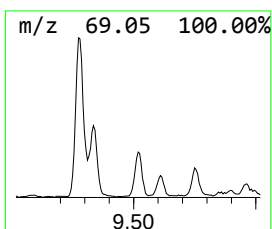
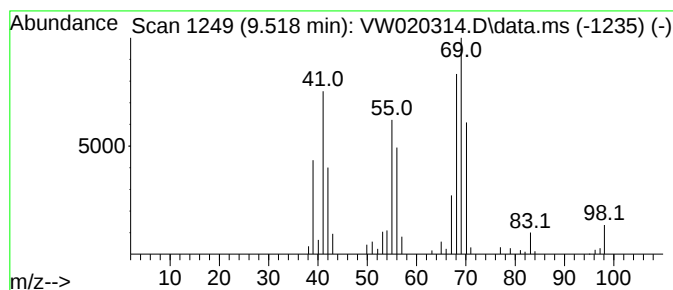
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Cyclic9.518 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.518	1.96 ug/L	54638	1,4-Difluorobenzene	8.841

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, ethyl-	98	C7H14	001640-89-7	94
2			Cyclopentane, ethyl-	98	C7H14	001640-89-7	94
3			3-Methyl-3-hexene	98	C7H14	003404-65-7	38
4			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	38
5			Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

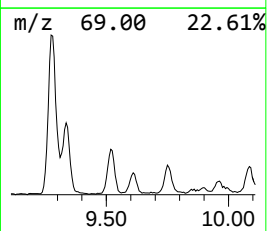
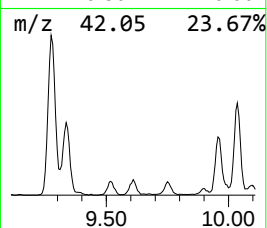
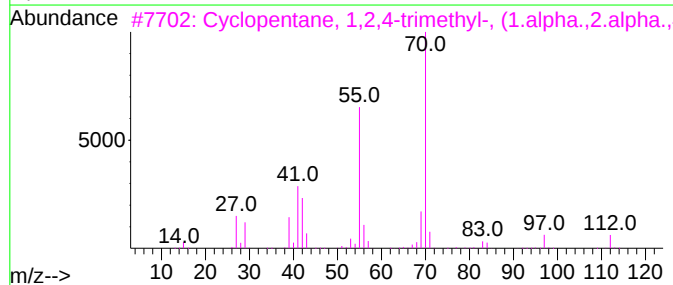
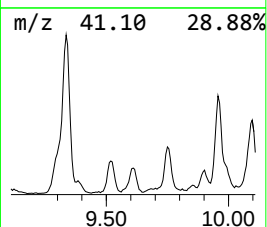
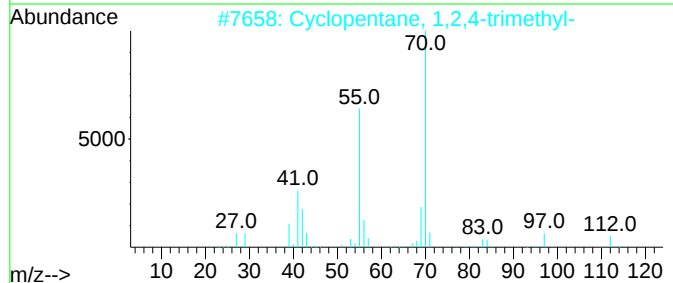
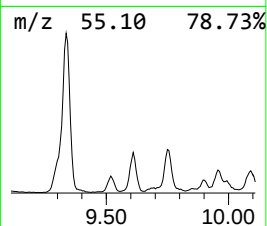
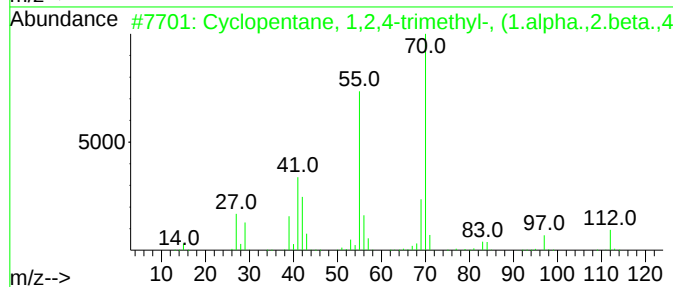
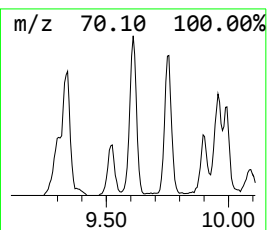
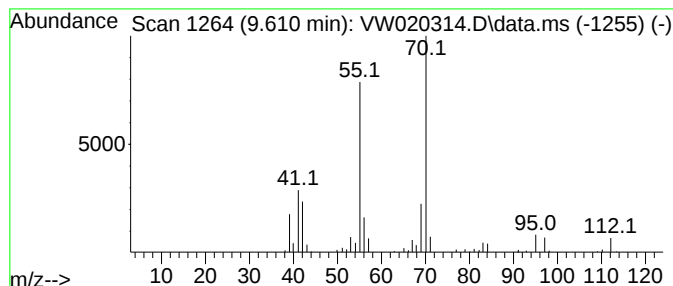
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Cyclic9.610 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.610	2.11 ug/L	58814	1,4-Difluorobenzene	8.841

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	93
2			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
3			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	90
4			Heptane, 3-methylene-	112	C8H16	001632-16-2	72
5			Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

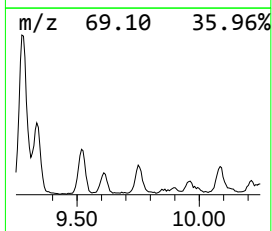
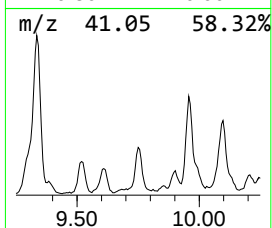
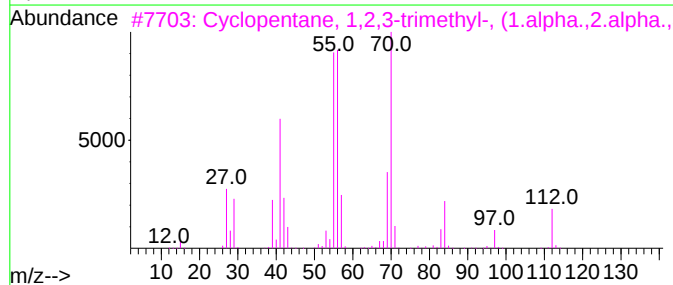
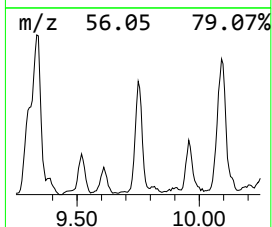
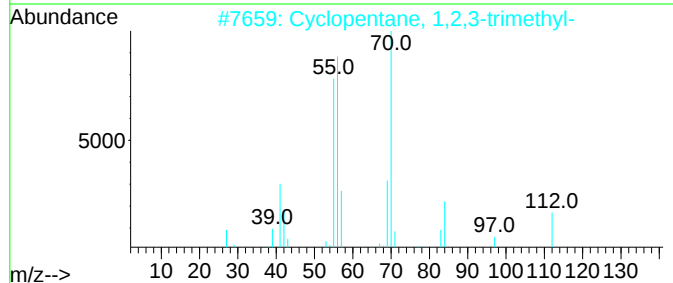
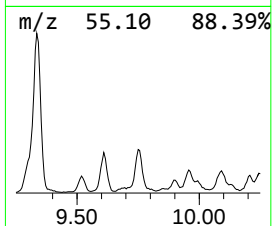
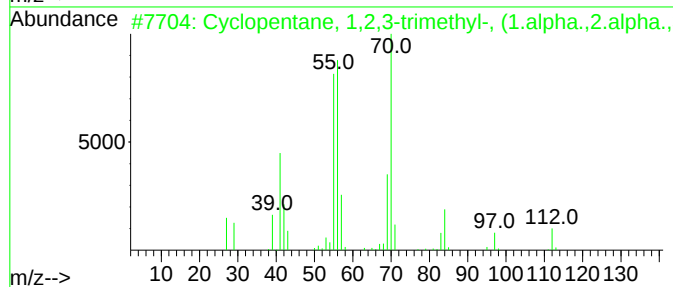
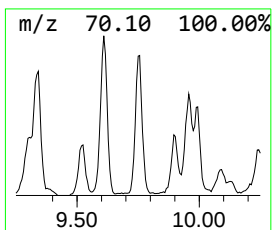
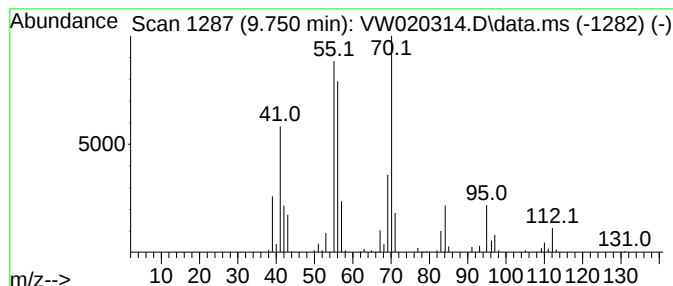
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Cyclic9.750 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.750	3.28 ug/L	91281	1,4-Difluorobenzene	8.841

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
2			Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	87
3			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	83
4			1-Heptene, 3-methyl-	112	C8H16	004810-09-7	74
5			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

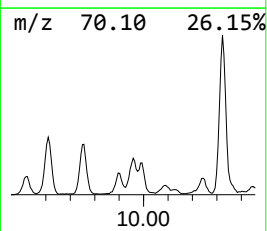
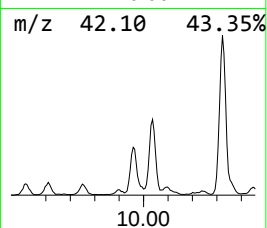
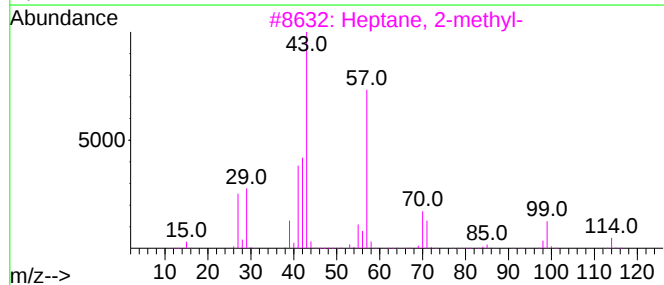
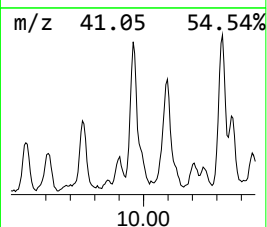
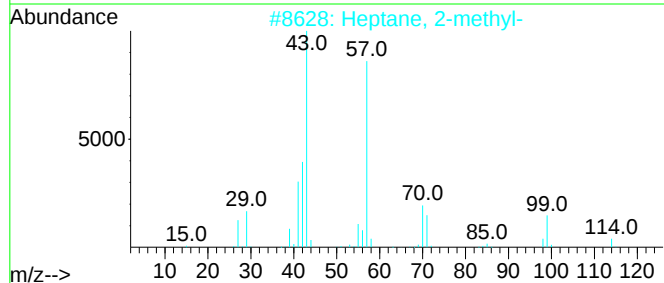
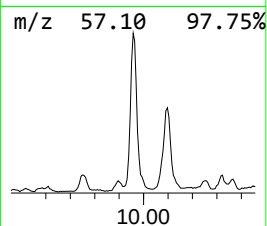
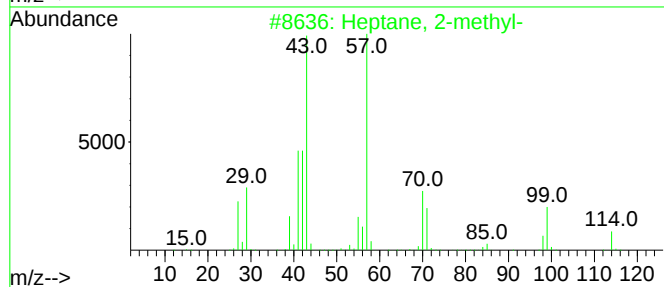
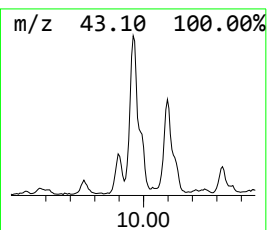
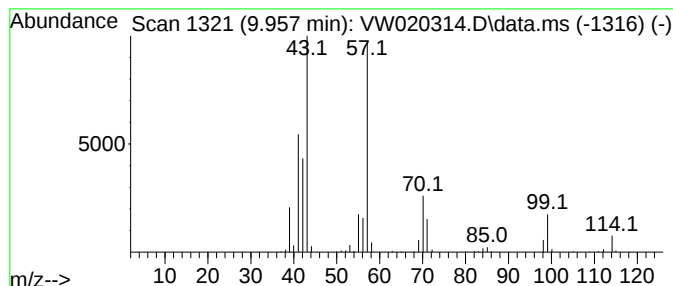
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.957	5.18 ug/L	144047	1,4-Difluorobenzene	8.841

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2-methyl-	114	C8H18	000592-27-8	95
2			Heptane, 2-methyl-	114	C8H18	000592-27-8	91
3			Heptane, 2-methyl-	114	C8H18	000592-27-8	90
4			Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64
5			Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

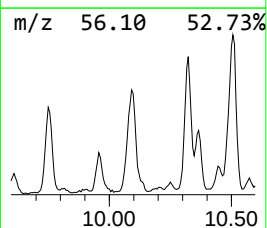
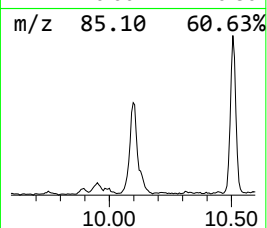
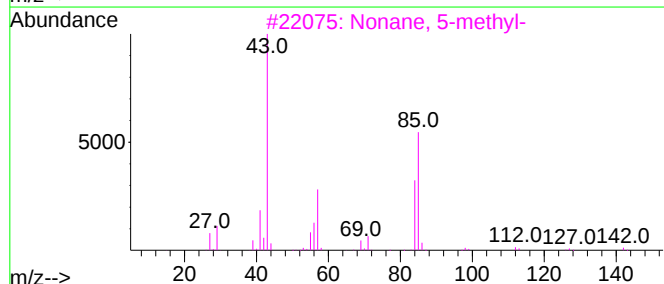
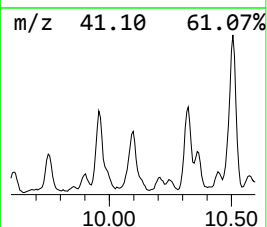
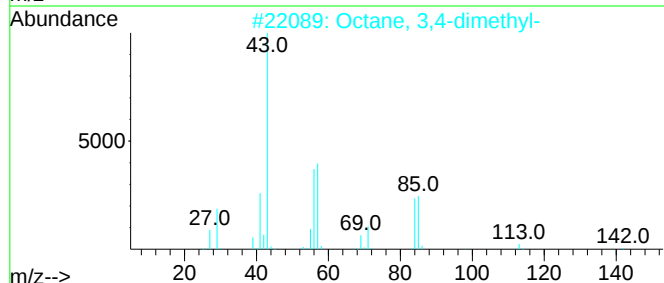
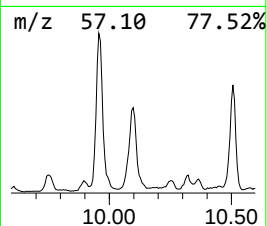
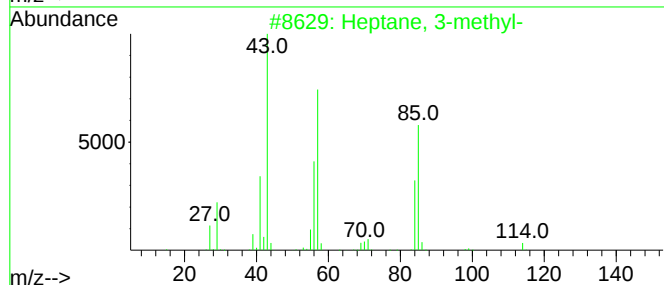
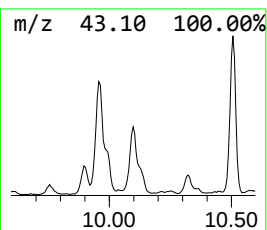
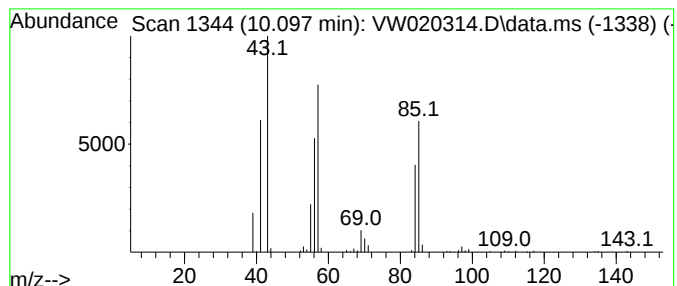
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.097	5.10 ug/L	141998	1,4-Difluorobenzene	8.841

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 3-methyl-	114	C8H18	000589-81-1	78
2		Octane, 3,4-dimethyl-	142	C10H22	015869-92-8	74
3		Nonane, 5-methyl-	142	C10H22	015869-85-9	72
4		Hexyl n-valerate	186	C11H22O2	001117-59-5	50
5		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

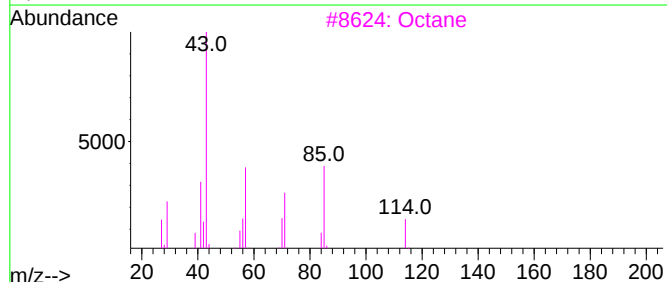
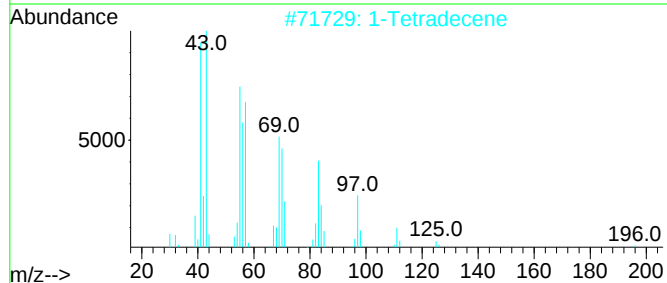
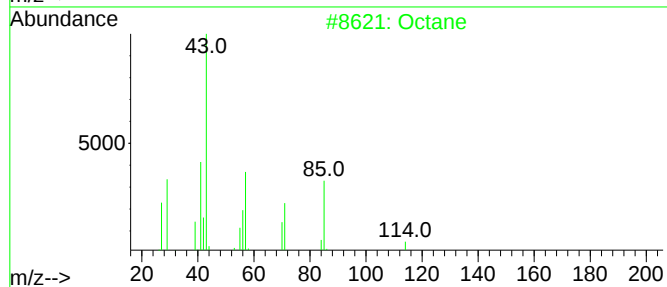
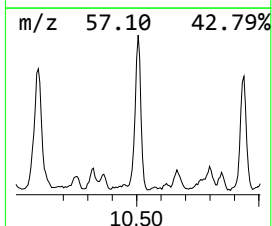
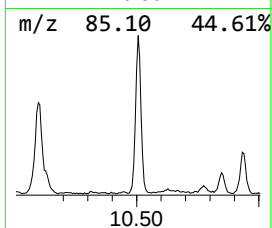
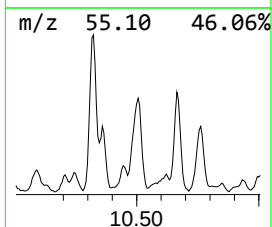
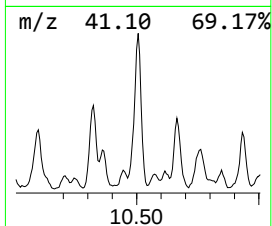
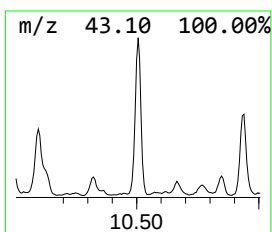
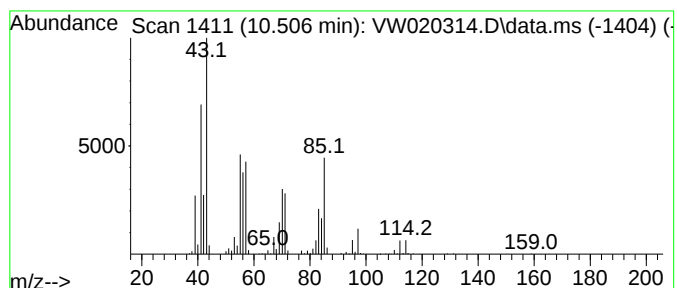
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.506	10.53 ug/L	298029	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane	114	C8H18	000111-65-9	58
2			1-Tetradecene	196	C14H28	001120-36-1	53
3			Octane	114	C8H18	000111-65-9	47
4			Hexane, 3-ethyl-	114	C8H18	000619-99-8	43
5			Acetic acid, decyl ester	200	C12H24O2	000112-17-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

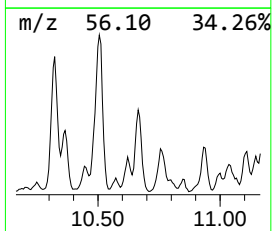
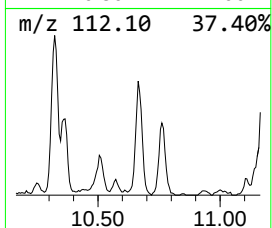
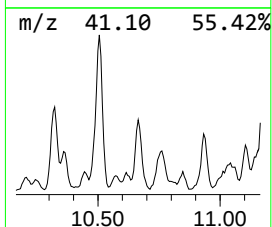
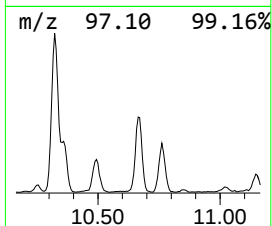
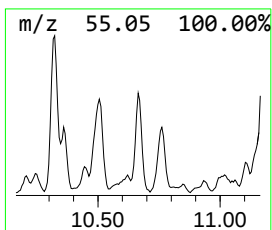
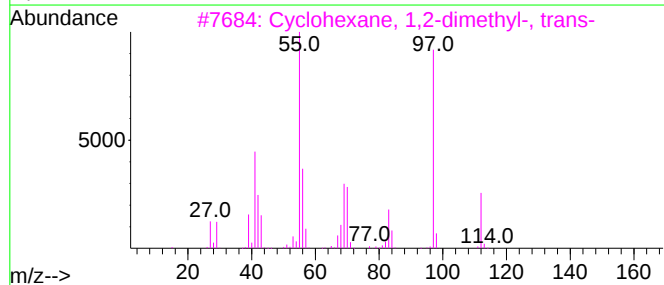
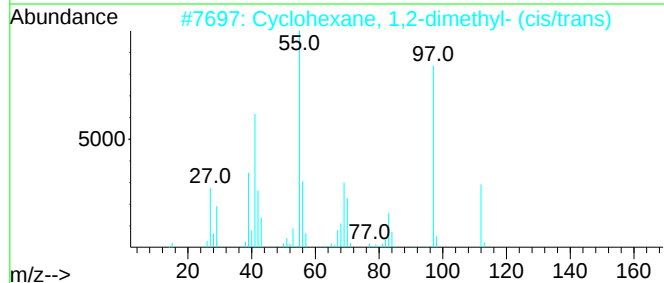
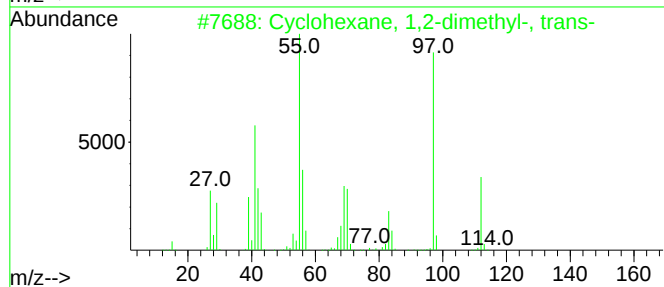
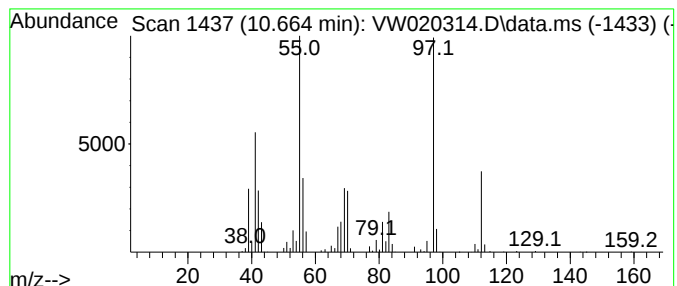
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Cyclic10.664 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.664	4.96 ug/L	140359	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94
3			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
4			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
5			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

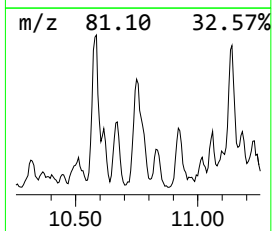
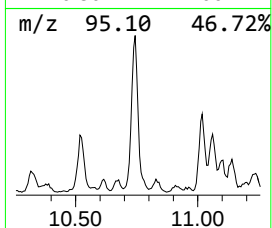
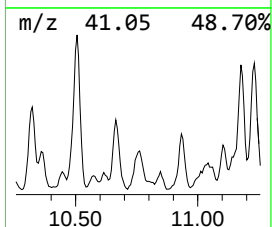
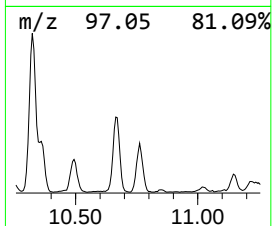
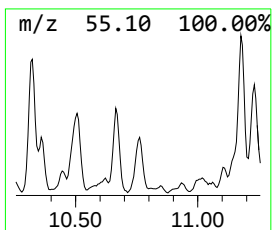
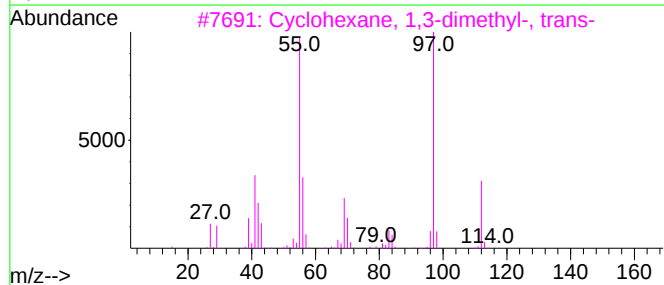
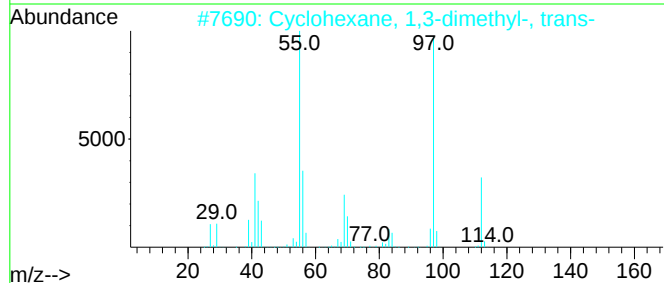
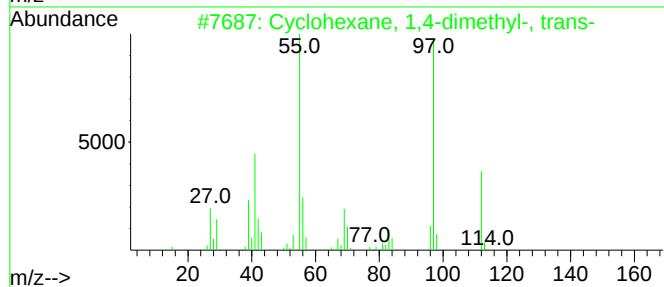
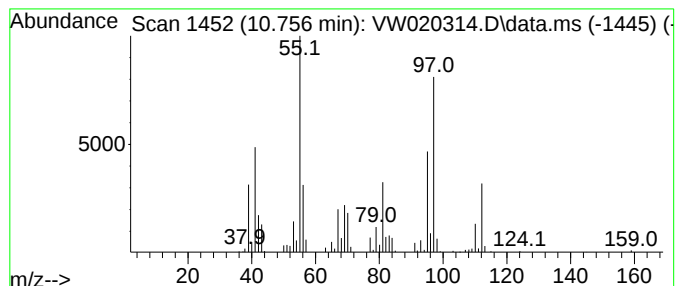
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Cyclic10.756 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.756	4.98 ug/L	140957	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	92
2			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	92
3			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	92
4			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	92
5			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

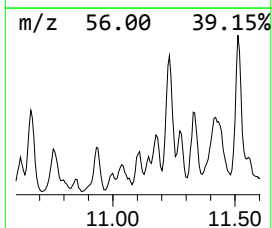
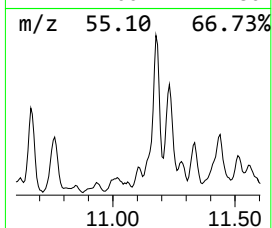
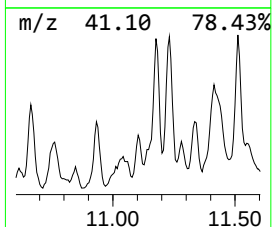
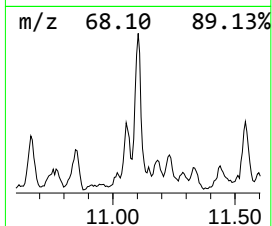
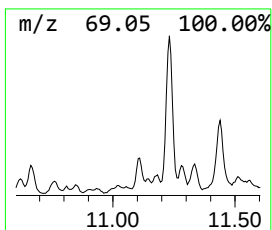
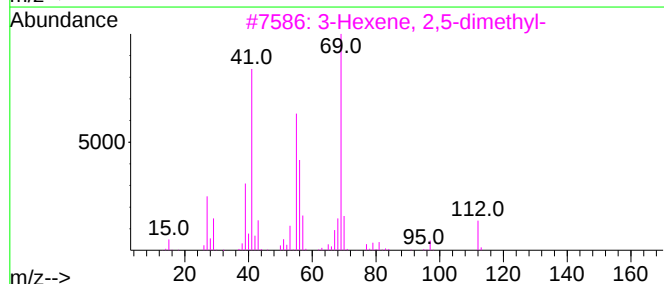
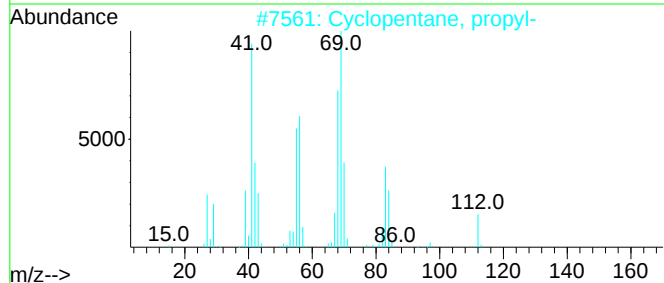
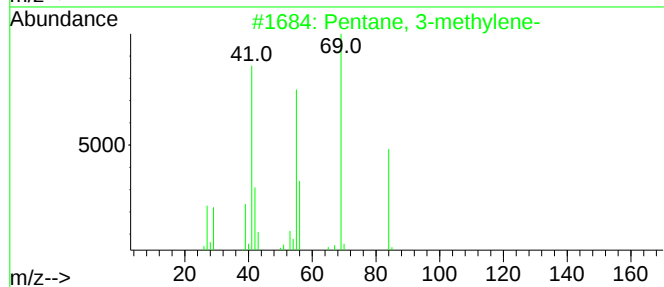
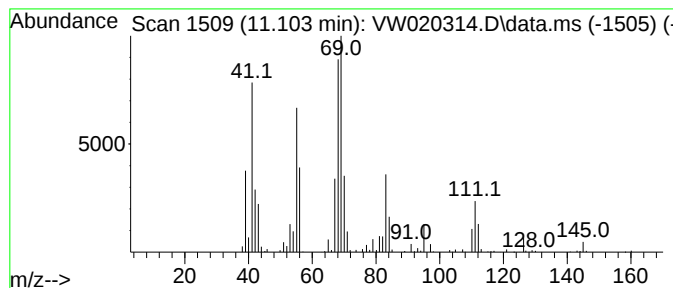
Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.103	2.07 ug/L	58690	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methylene-	84	C6H12	000760-21-4	46
2	Cyclopentane, propyl-	112	C8H16	002040-96-2	45
3	3-Hexene, 2,5-dimethyl-	112	C8H16	015910-22-2	45
4	Cyclopentane, propyl-	112	C8H16	002040-96-2	45
5	7-Oxabicyclo[4.1.0]heptane, 2-me...	112	C7H12O	005410-22-0	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

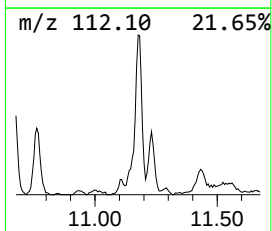
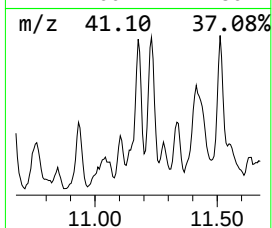
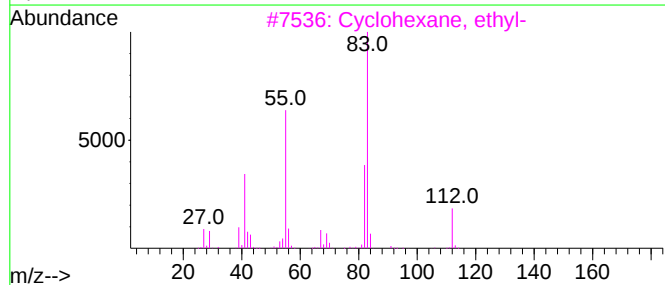
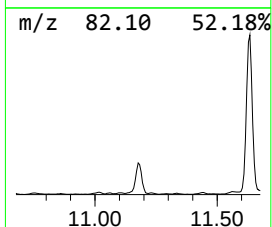
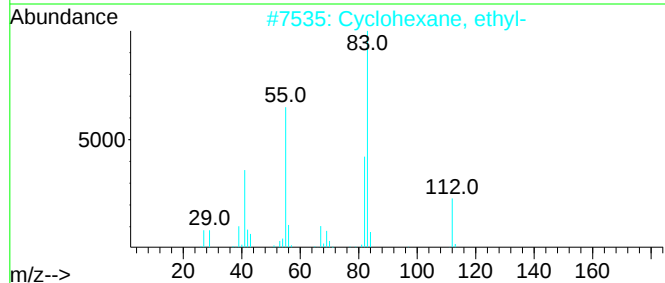
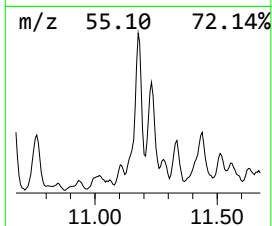
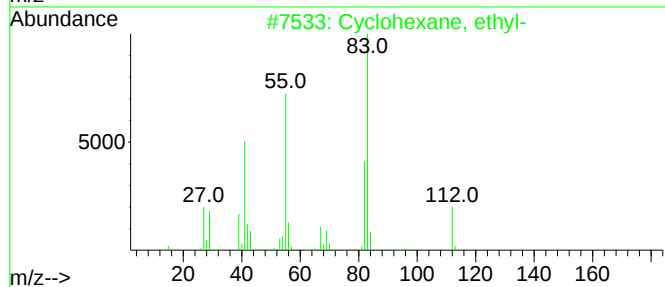
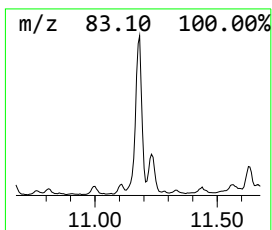
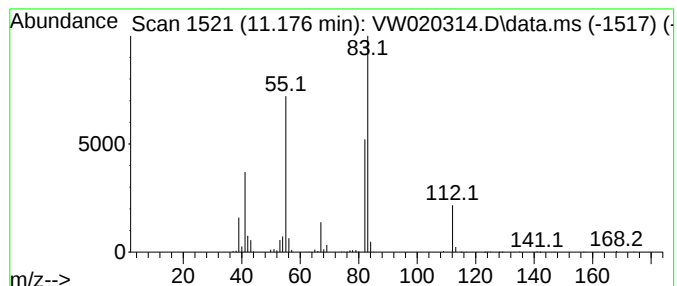
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Cyclic11.177 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.177	5.56 ug/L	157522	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
5		4-Oxohex-2-enal	112	C6H8O2	020697-55-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

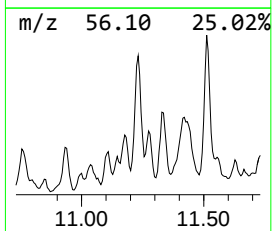
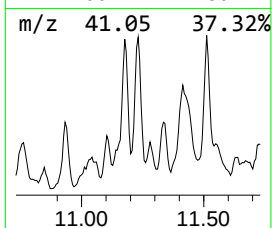
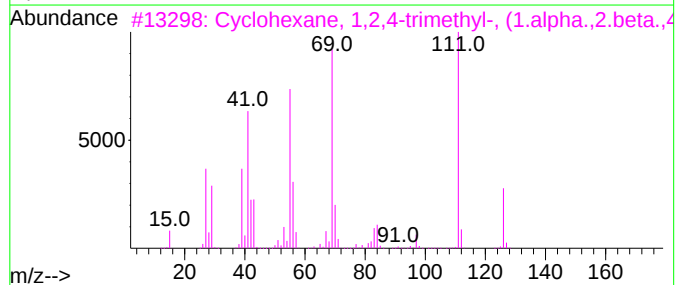
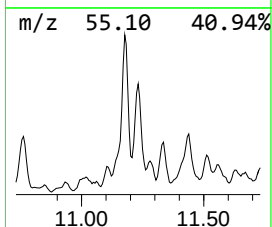
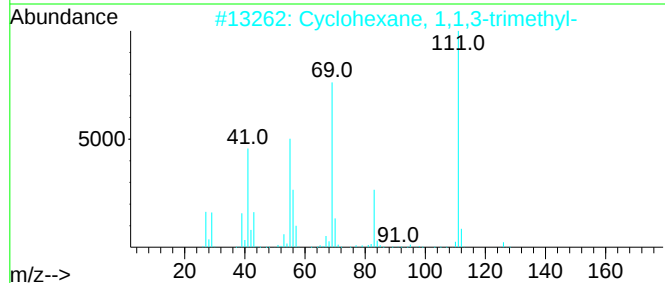
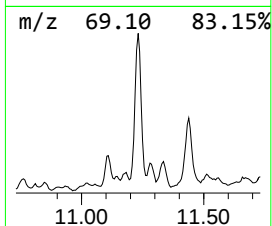
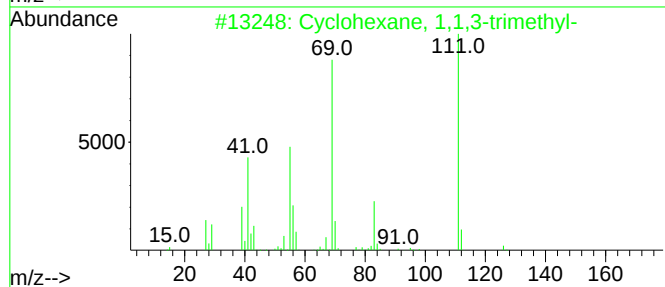
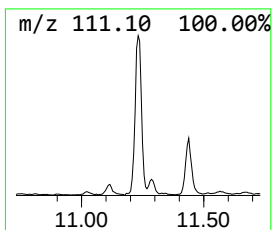
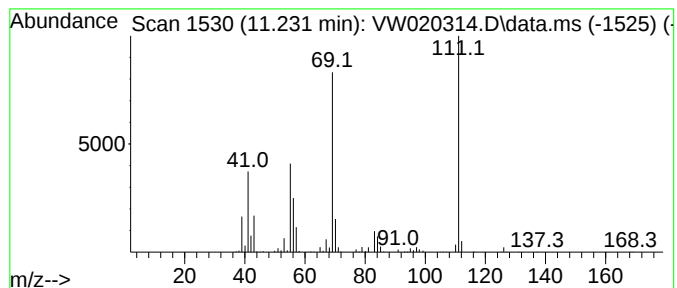
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Cyclic11.231 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.231	8.24 ug/L	233429	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	83
3			Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	58
4			3-Hexene, 2,5-dimethyl-	112	C8H16	015910-22-2	55
5			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

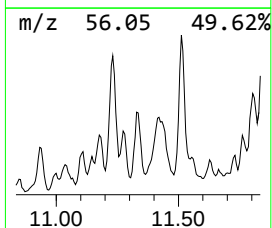
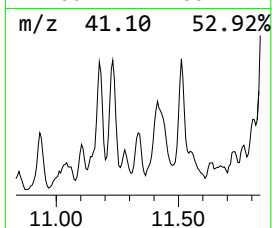
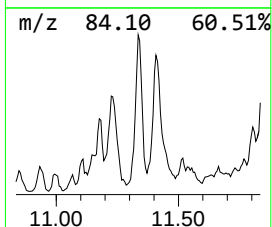
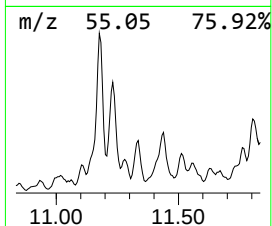
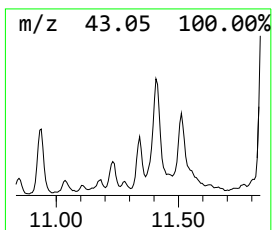
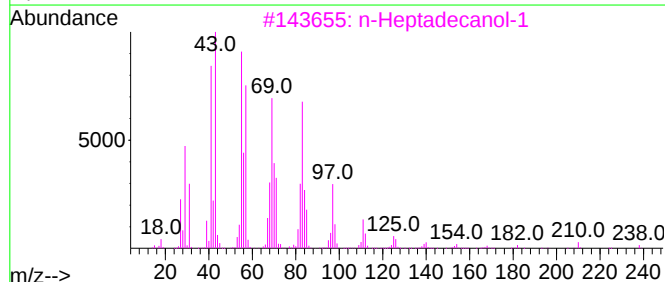
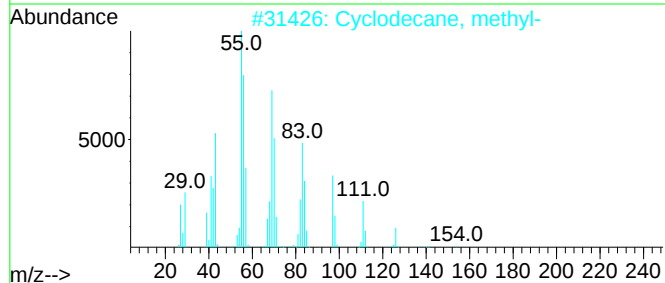
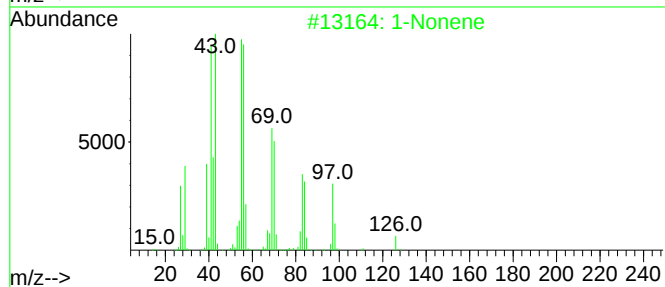
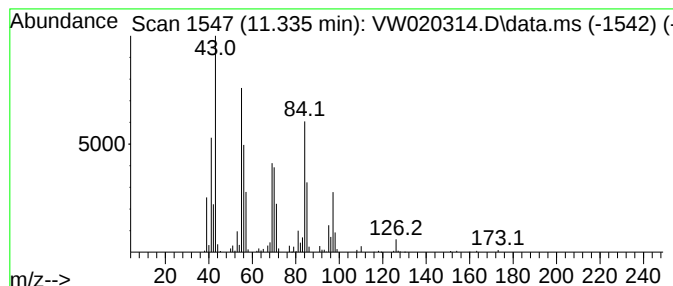
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.335	3.56 ug/L	100850	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Nonene	126	C9H18	000124-11-8	64
2			Cyclodecane, methyl-	154	C11H22	013151-43-4	58
3			n-Heptadecanol-1	256	C17H36O	001454-85-9	53
4			Silane, trichlorodocosyl-	442	C22H45Cl3Si	007325-84-0	53
5			Cyclotetradecane	196	C14H28	000295-17-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

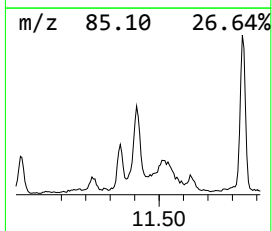
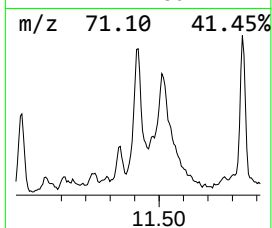
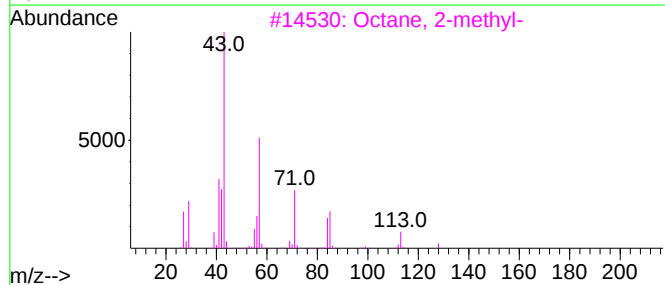
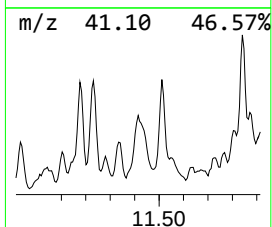
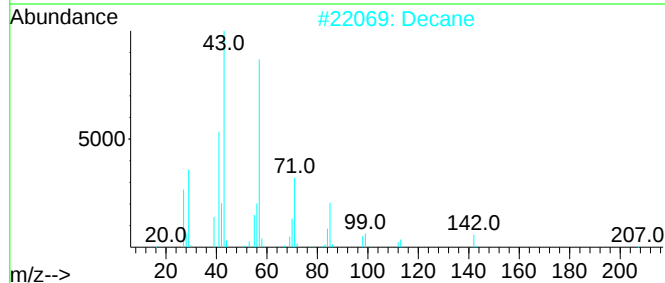
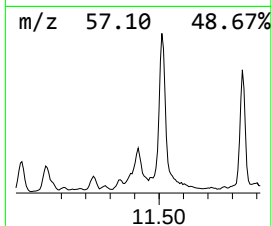
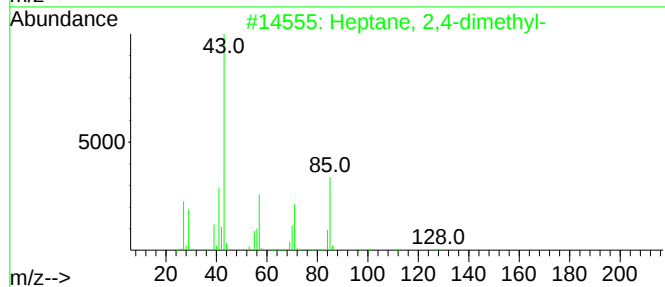
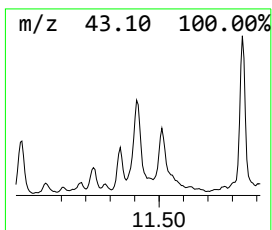
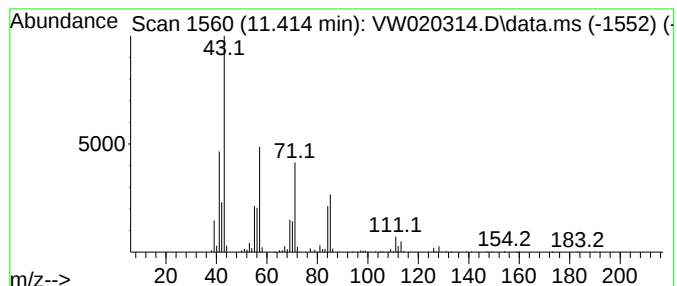
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.414	5.91 ug/L	167239	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
2		Decane	142	C10H22	000124-18-5	59
3		Octane, 2-methyl-	128	C9H20	003221-61-2	52
4		Dodecane, 5-methyl-	184	C13H28	017453-93-9	50
5		1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

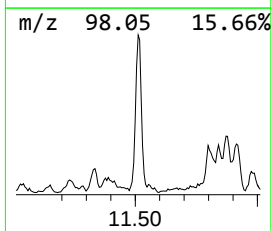
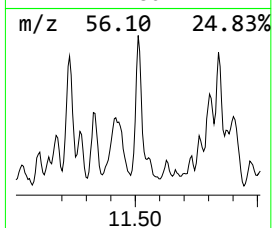
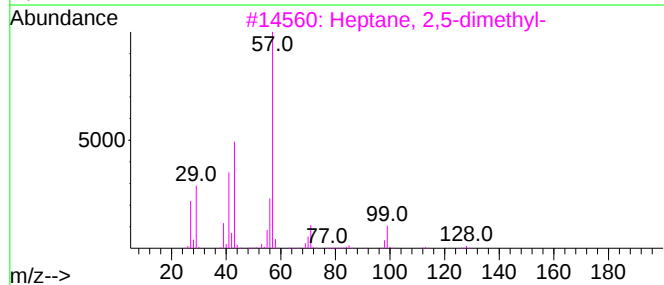
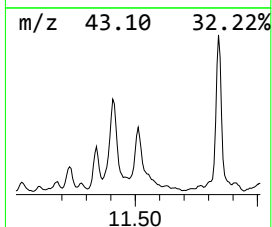
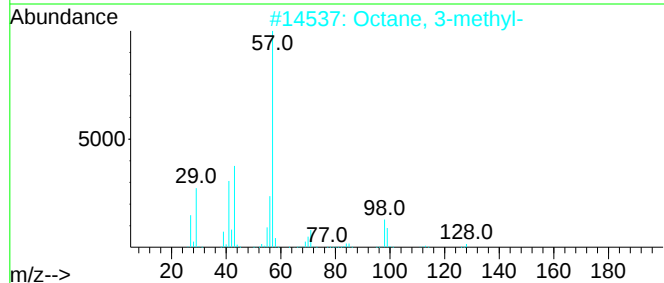
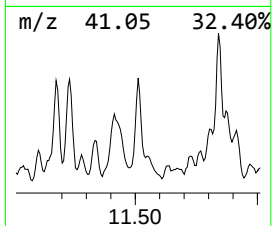
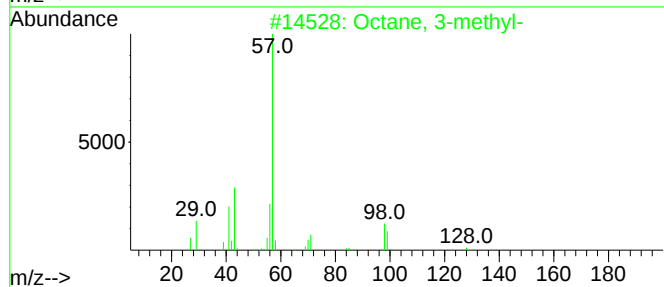
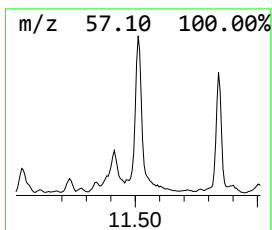
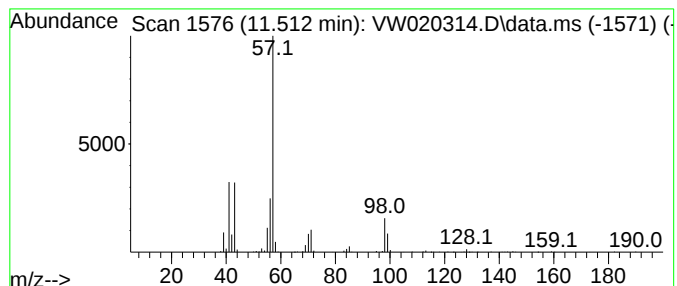
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	5.97 ug/L	169144	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3-methyl-	128	C9H20	002216-33-3	91
2		Octane, 3-methyl-	128	C9H20	002216-33-3	91
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	83
4		Heptane, 3-ethyl-	128	C9H20	015869-80-4	62
5		Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

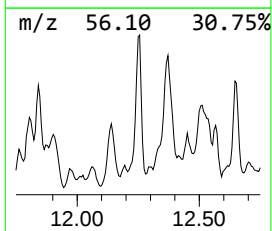
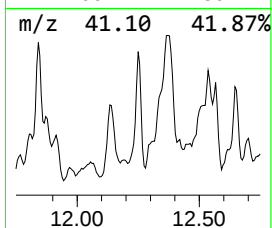
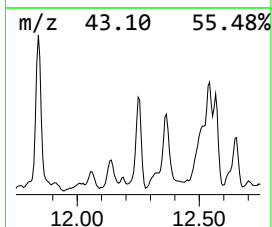
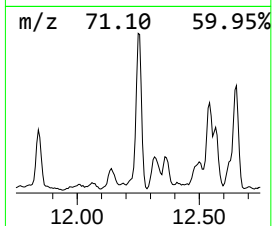
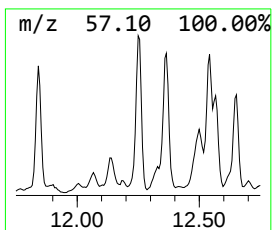
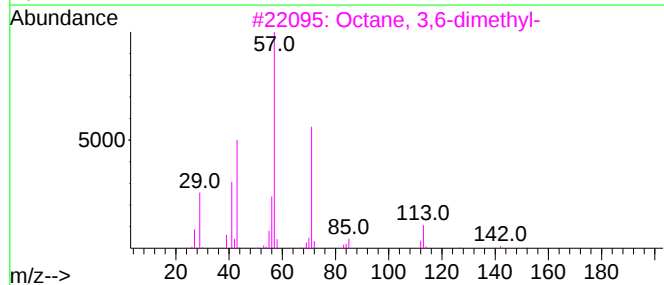
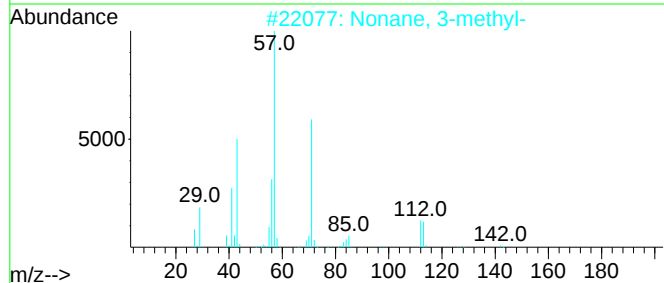
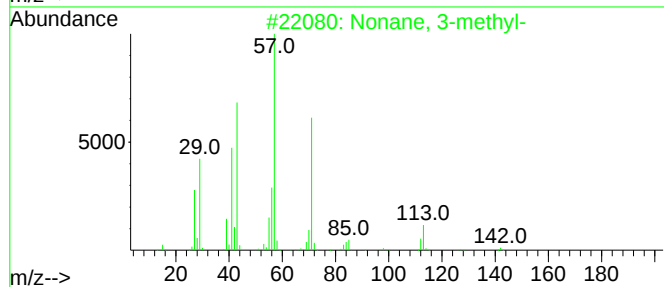
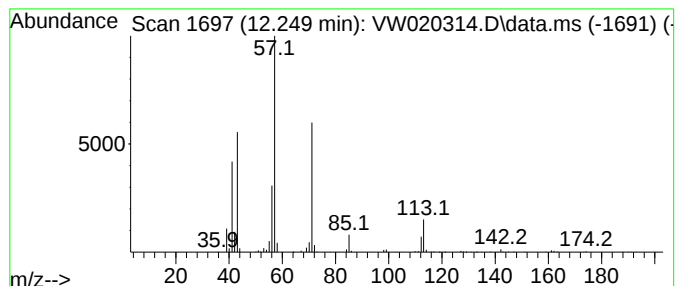
Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.249	8.26 ug/L	233831	Chlorobenzene-d5		11.634	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-		142	C10H22	005911-04-6	91
2	Nonane, 3-methyl-		142	C10H22	005911-04-6	90
3	Octane, 3,6-dimethyl-		142	C10H22	015869-94-0	90
4	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	90
5	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

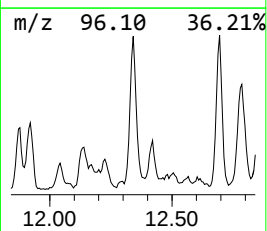
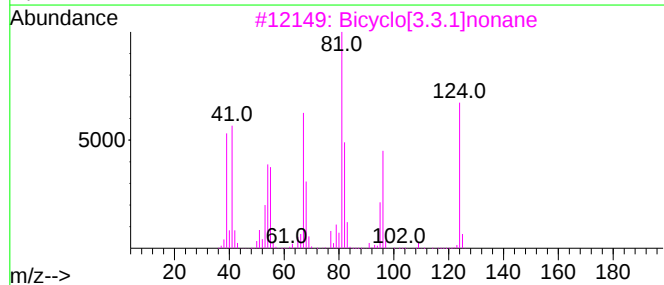
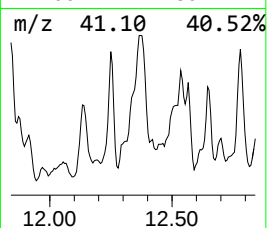
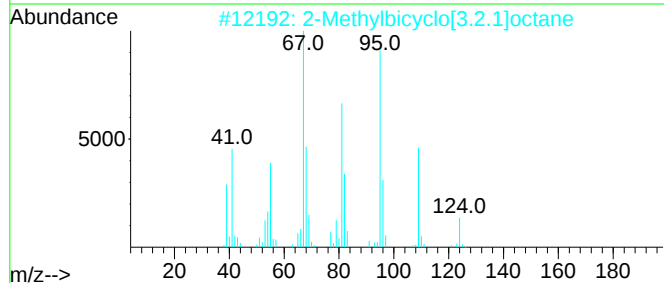
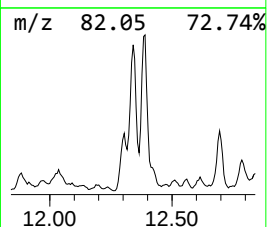
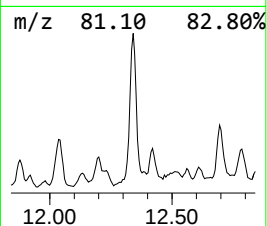
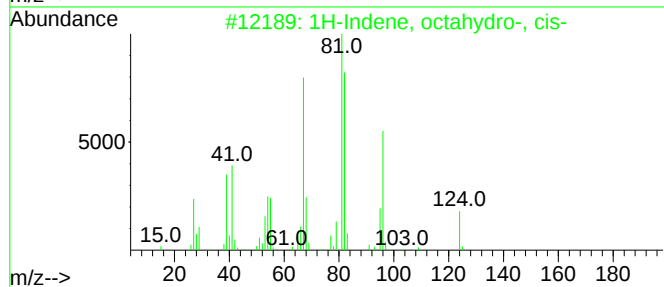
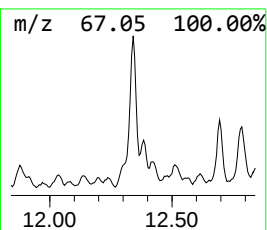
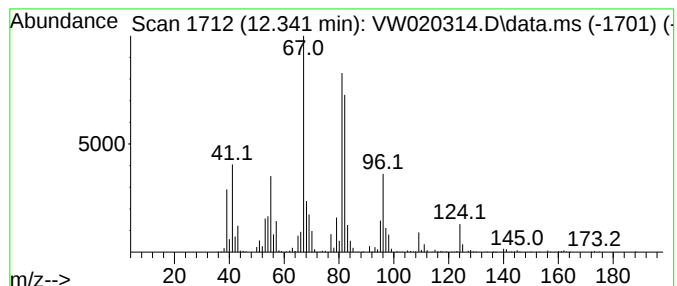
Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 24 1H-Indene, octahydro-, cis- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.341	11.85 ug/L	335486	Chlorobenzene-d5			11.634
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, cis-		124	C9H16	004551-51-3	81
2	2-Methylbicyclo[3.2.1]octane		124	C9H16	1010215-28-0	76
3	Bicyclo[3.3.1]nonane		124	C9H16	000280-65-9	62
4	Pentalene, octahydro-2-methyl-		124	C9H16	003868-64-2	58
5	Pentalene, octahydro-1-methyl-		124	C9H16	032273-77-1	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

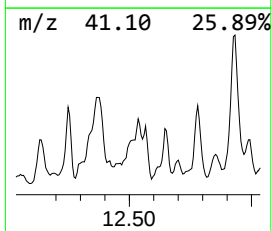
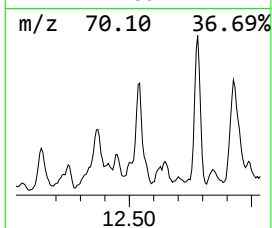
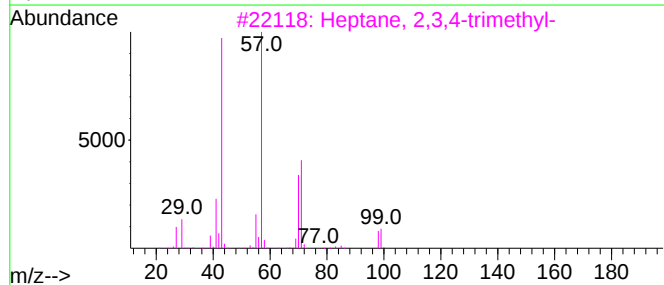
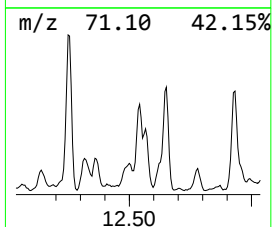
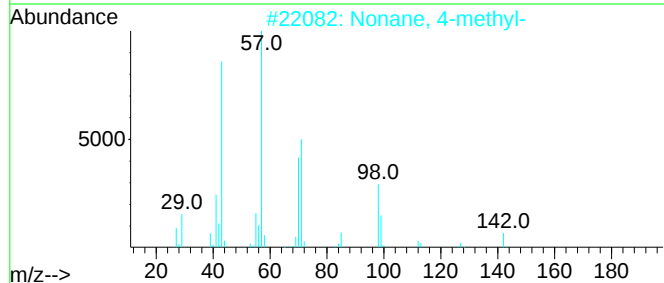
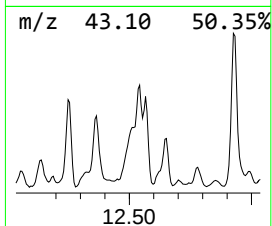
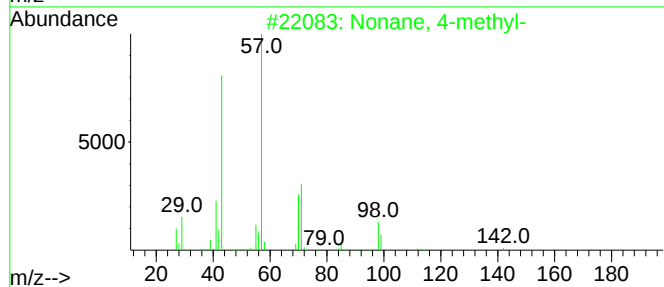
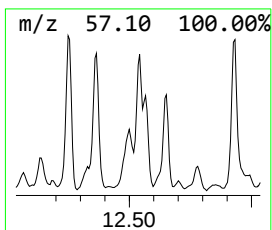
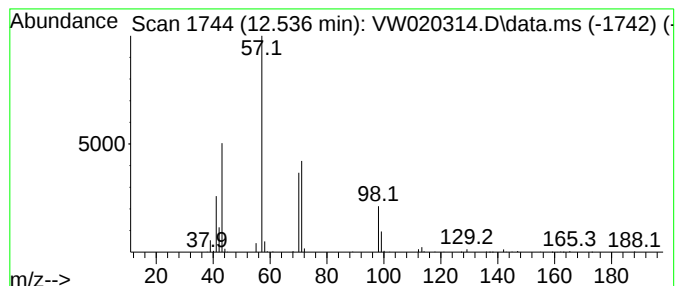
Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.536	4.59 ug/L	130019	Chlorobenzene-d5		11.634	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-		142	C10H22	017301-94-9	80
2	Nonane, 4-methyl-		142	C10H22	017301-94-9	64
3	Heptane, 2,3,4-trimethyl-		142	C10H22	052896-95-4	59
4	Octane, 3,5-dimethyl-		142	C10H22	015869-93-9	50
5	Octane, 2,3-dimethyl-		142	C10H22	007146-60-3	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

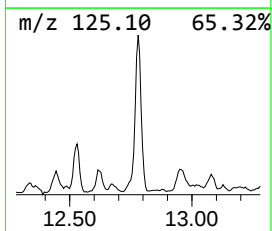
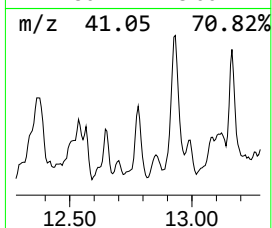
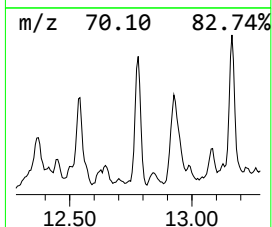
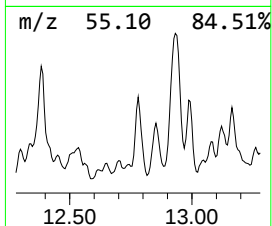
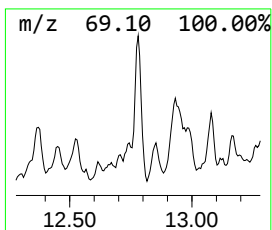
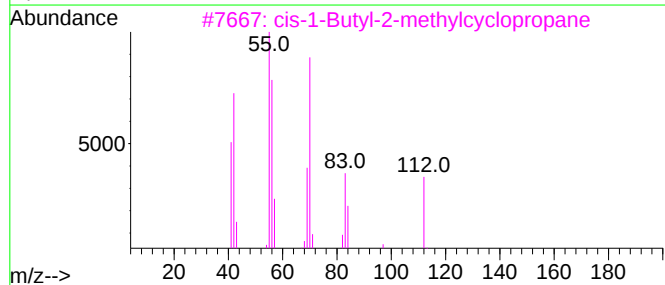
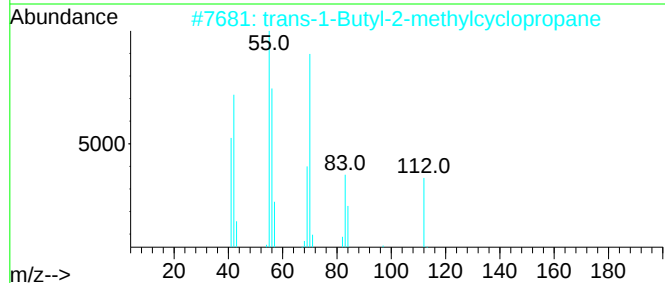
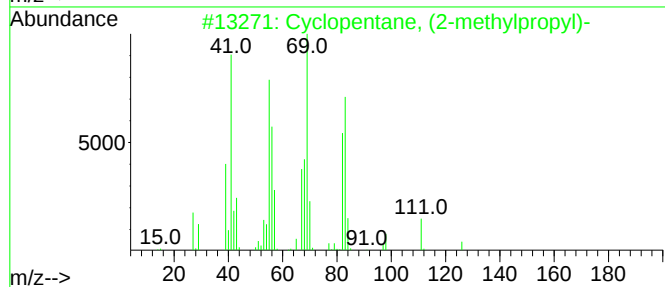
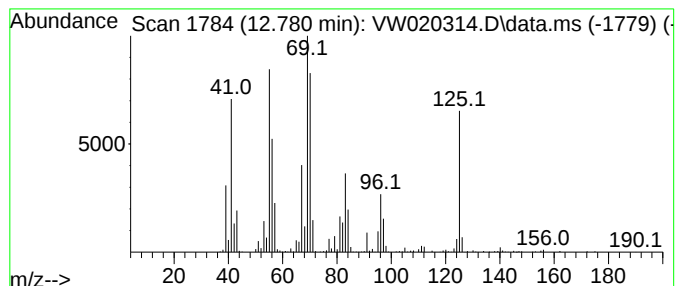
Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Cyclic12.780 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.780	15.83 ug/L	327888	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	46
2	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	46
3	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46
4	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	43
5	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

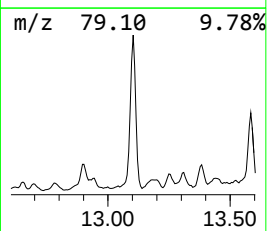
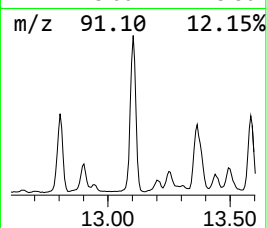
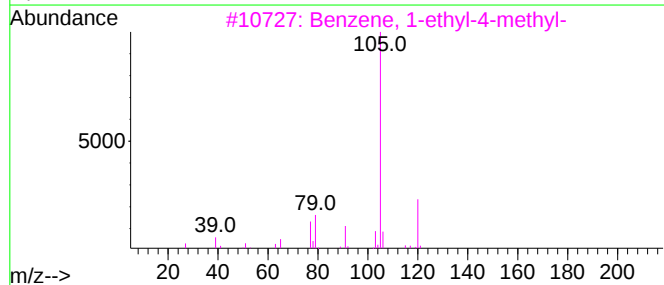
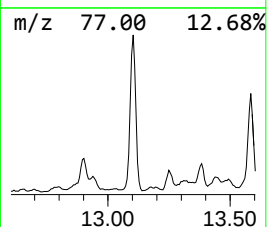
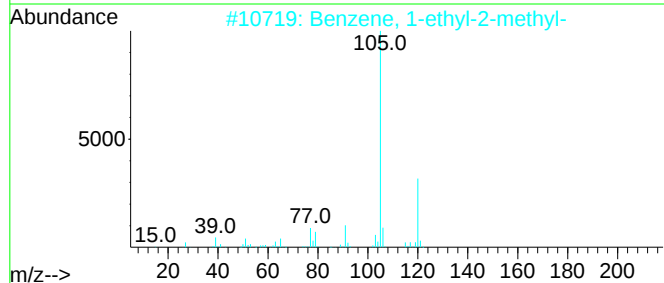
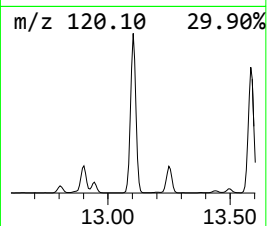
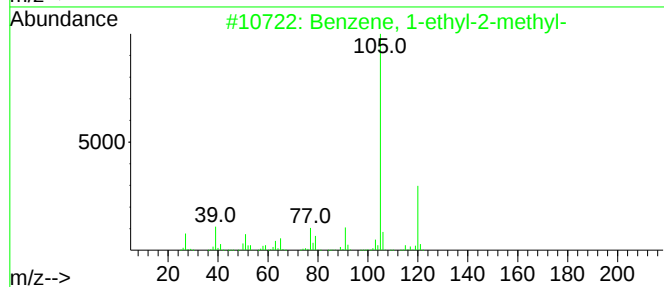
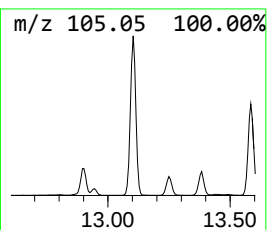
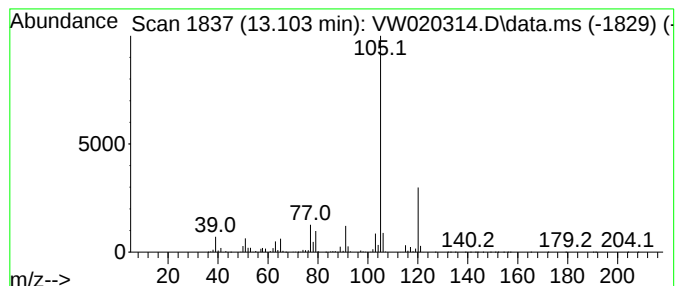
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 30 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	77.42 ug/L	1603740	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4			Mesitylene	120	C9H12	000108-67-8	91
5			Mesitylene	120	C9H12	000108-67-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

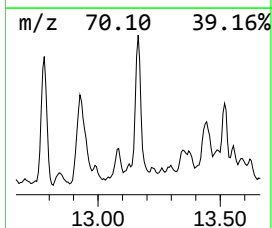
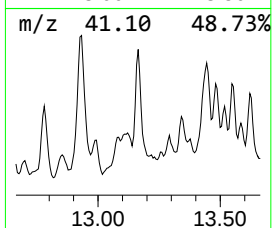
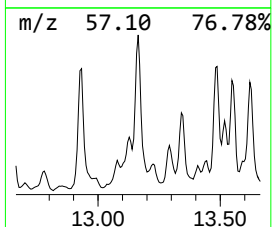
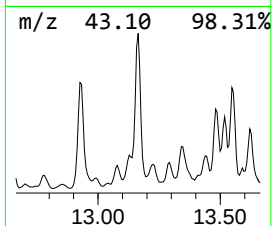
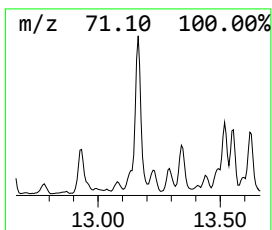
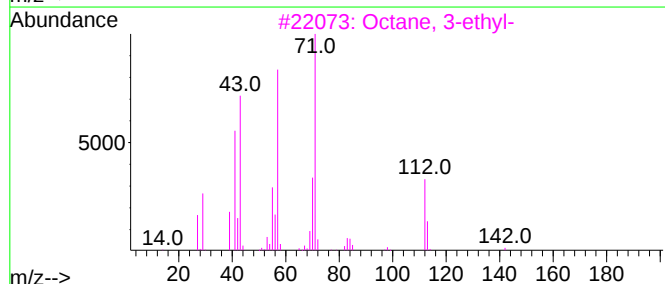
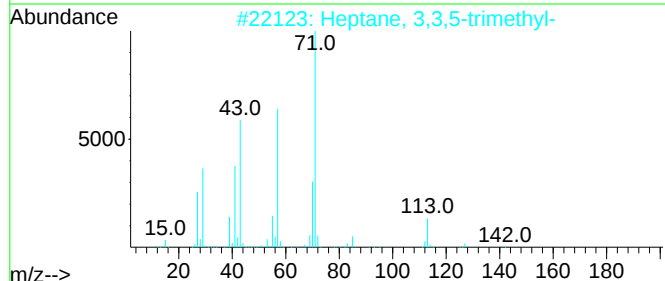
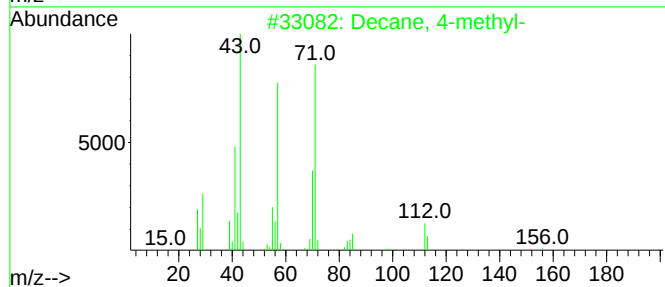
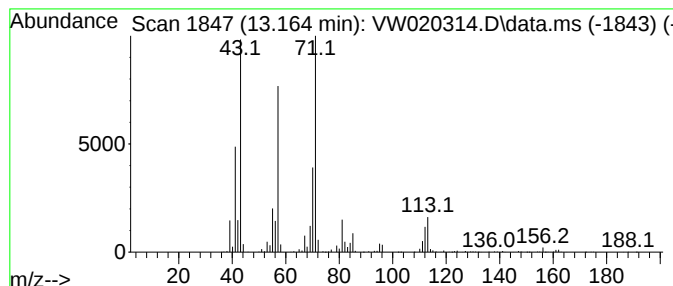
Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.164	20.59 ug/L	426405	1,4-Dichlorobenzene-d4			13.560
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-		156	C11H24	002847-72-5	72
2	Heptane, 3,3,5-trimethyl-		142	C10H22	007154-80-5	72
3	Octane, 3-ethyl-		142	C10H22	005881-17-4	59
4	Heptane, 3,3,5-trimethyl-		142	C10H22	007154-80-5	59
5	3-Hexanone, 4,4-dimethyl-		128	C8H16O	019550-14-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

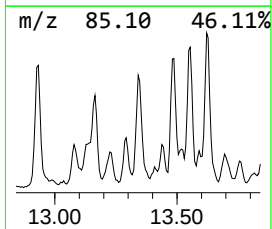
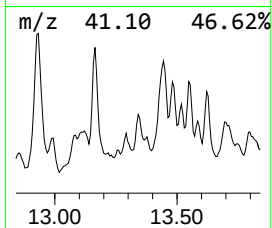
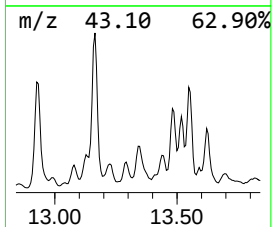
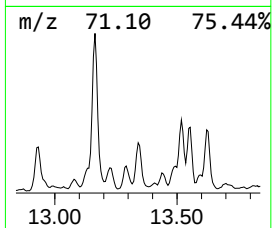
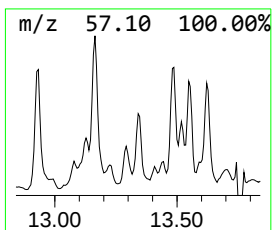
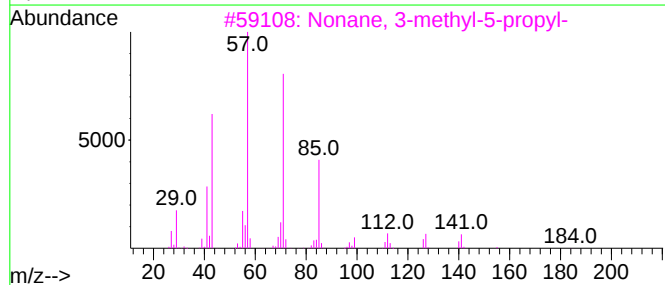
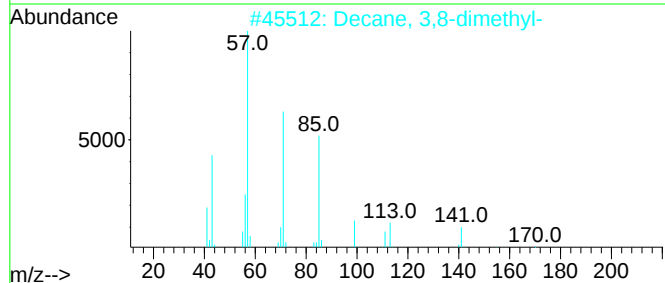
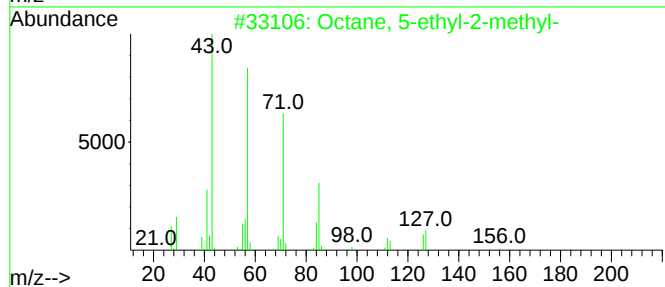
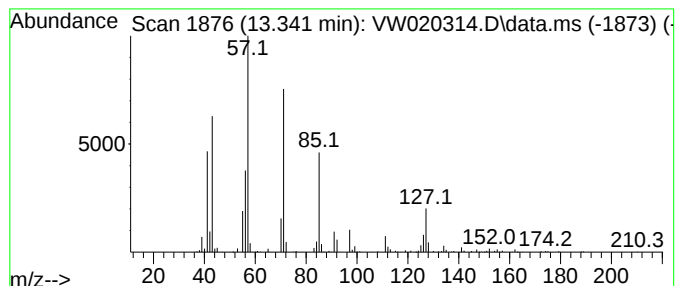
Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.341	5.41 ug/L	112149	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	64
2	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	59
3	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	59
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	58
5	Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

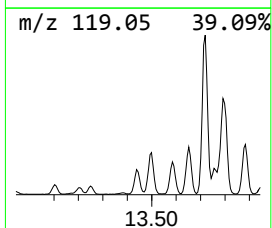
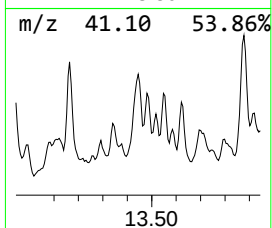
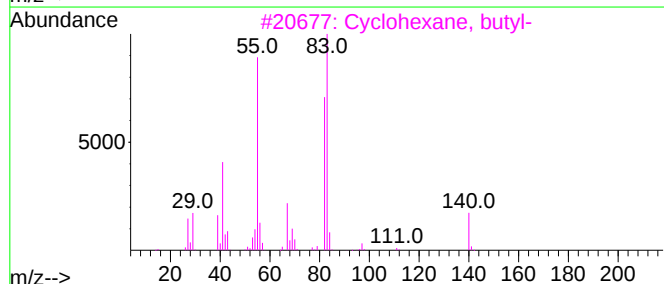
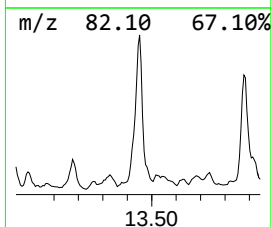
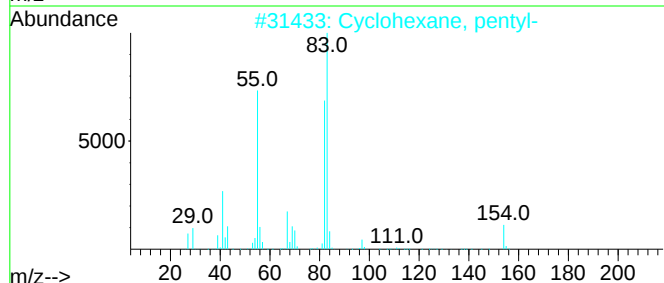
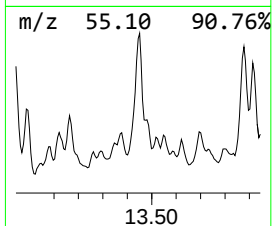
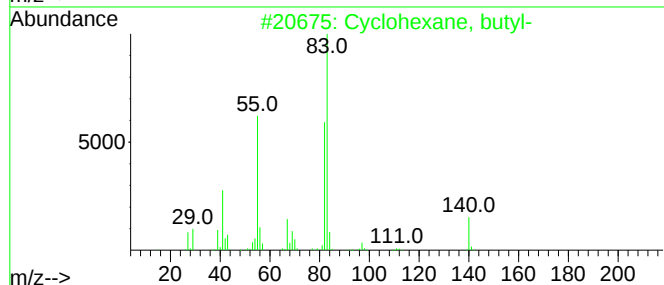
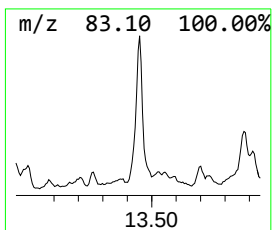
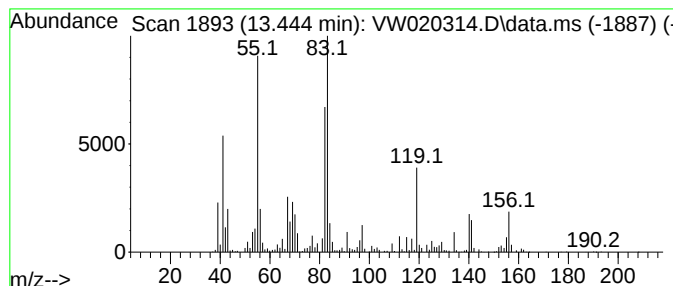
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Cyclic13.444 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.444	27.80 ug/L	575738	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, butyl-	140	C10H20	001678-93-9	52
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	52
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	52
4		Cyclohexane, pentyl-	154	C11H22	004292-92-6	50
5		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

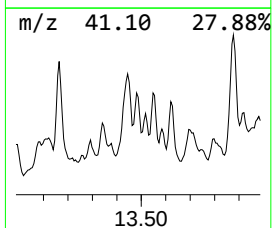
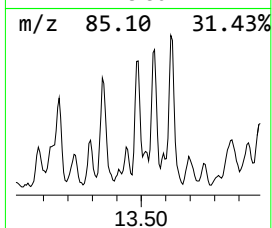
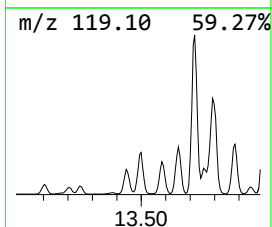
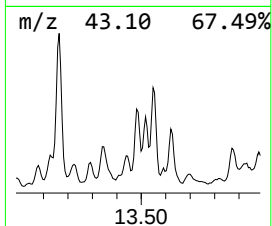
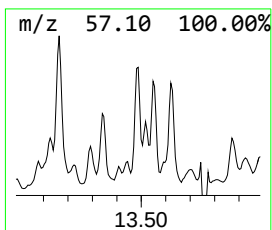
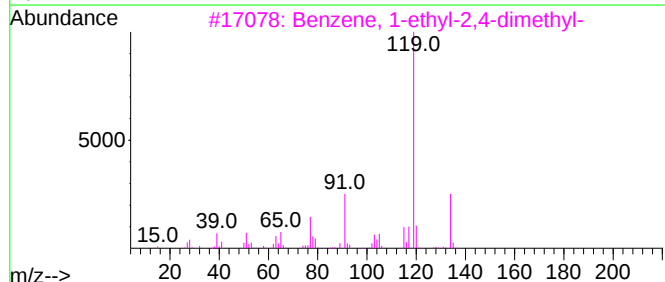
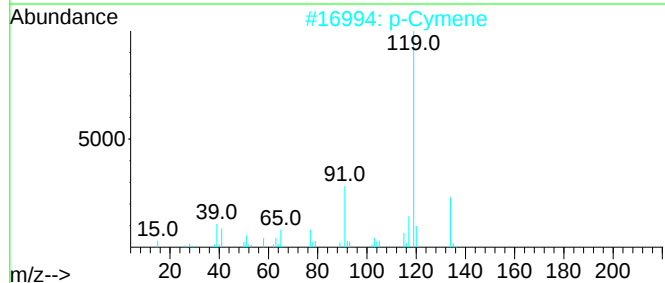
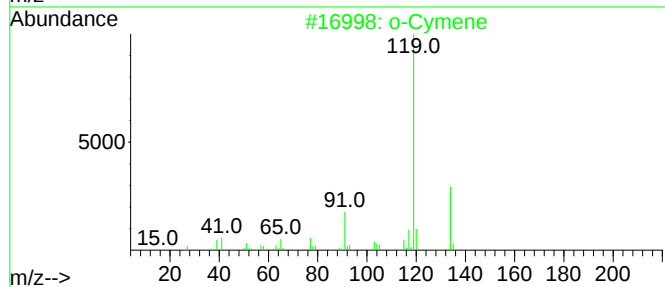
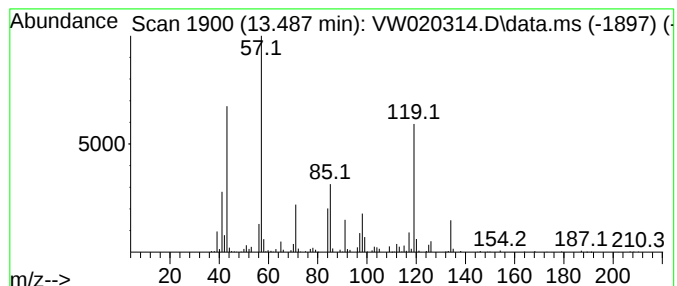
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 34 unknown-01 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.487	14.53 ug/L	301034	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		o-Cymene	134	C10H14	000527-84-4	42
2		p-Cymene	134	C10H14	000099-87-6	42
3		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	30
4		o-Cymene	134	C10H14	000527-84-4	30
5		1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

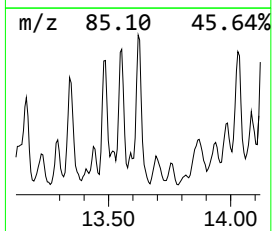
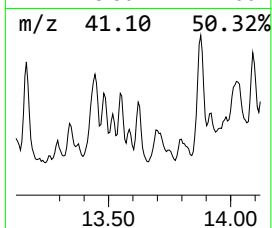
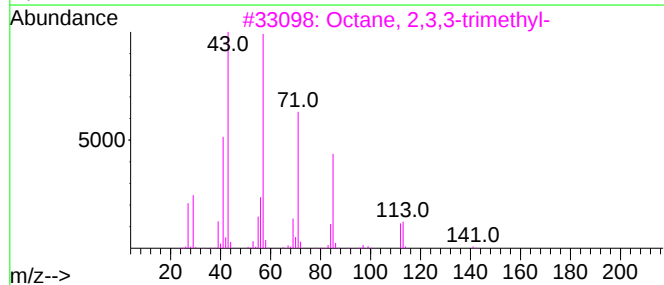
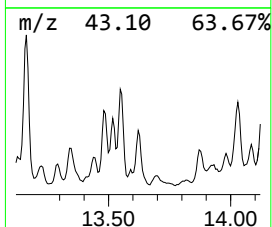
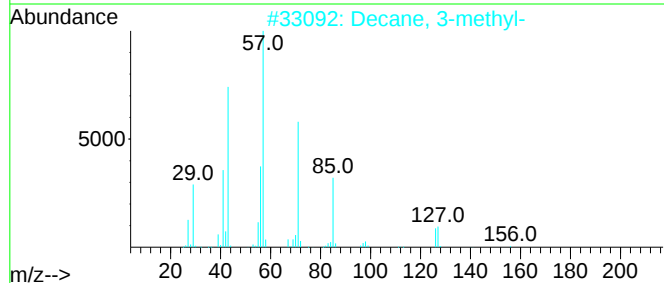
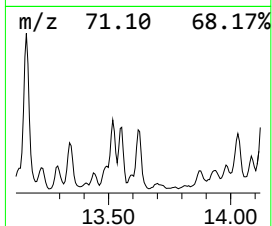
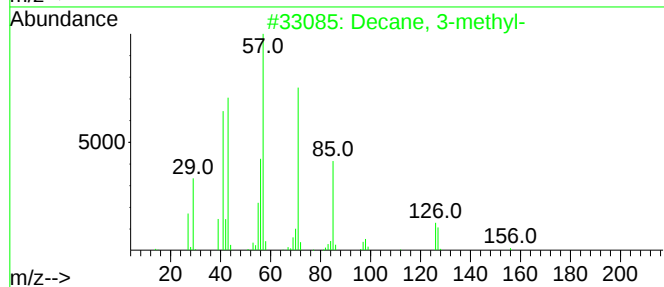
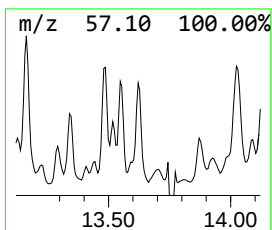
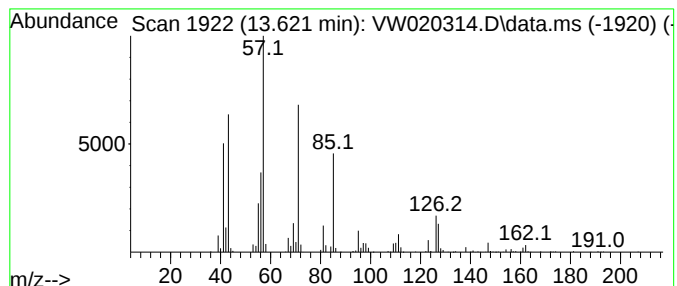
Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.621	3.94 ug/L	81664	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-		156	C11H24	013151-34-3	87
2	Decane, 3-methyl-		156	C11H24	013151-34-3	53
3	Octane, 2,3,3-trimethyl-		156	C11H24	062016-30-2	50
4	Sulfurous acid, 2-ethylhexyl iso...		278	C14H30O3S	1000309-19-0	50
5	Octane, 2-methyl-		128	C9H20	003221-61-2	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

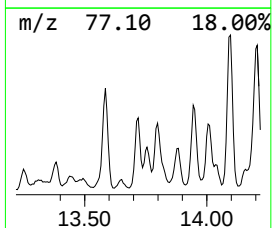
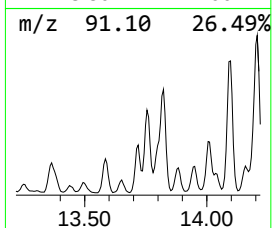
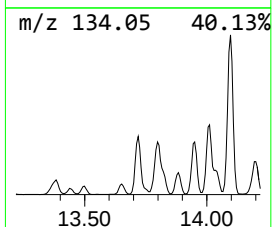
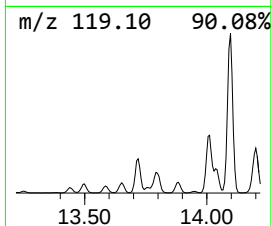
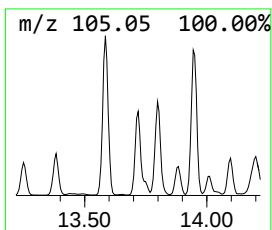
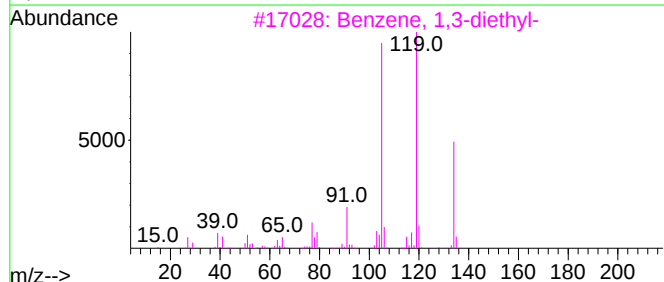
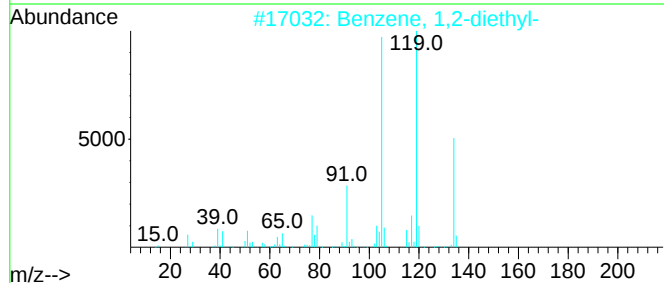
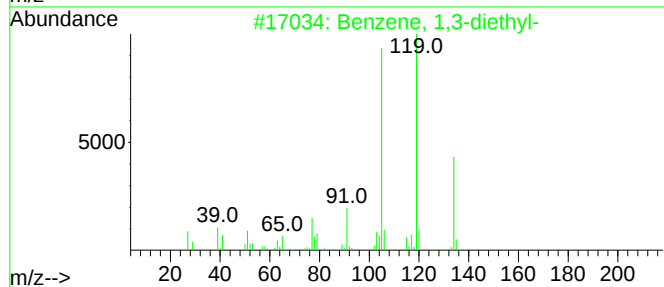
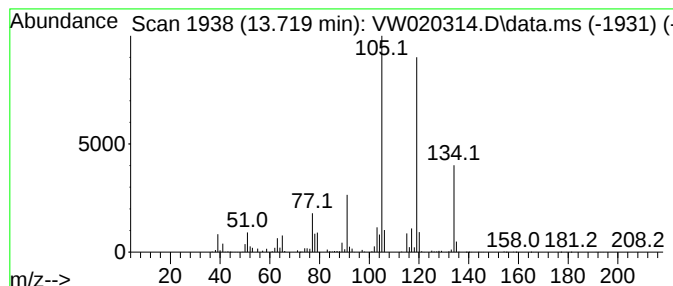
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 36 Benzene, 1,3-diethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.719	35.65 ug/L	738374	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
4		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
5		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

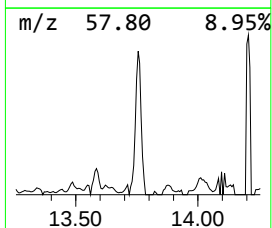
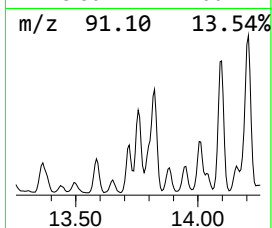
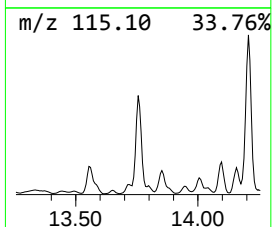
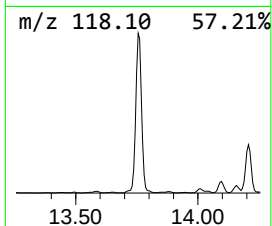
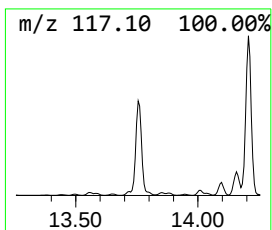
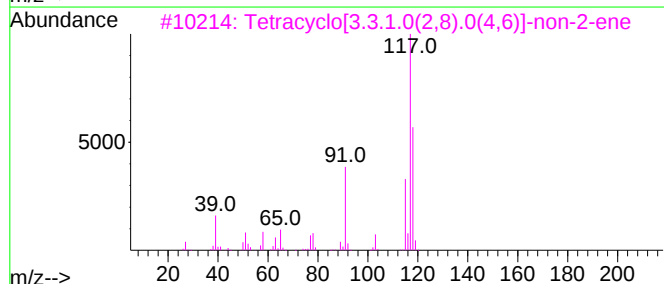
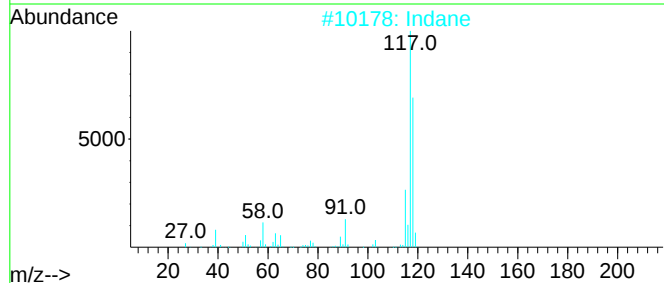
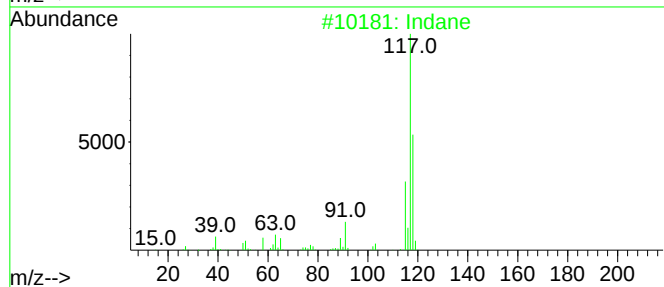
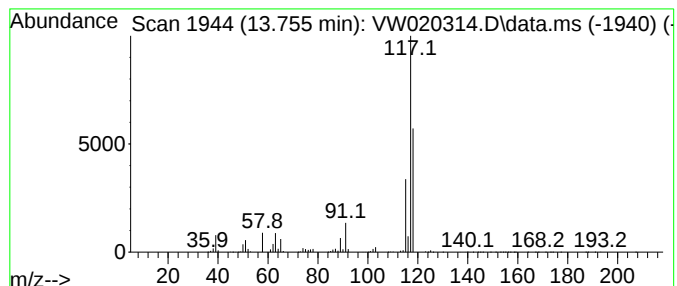
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 37 Indane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.755	57.74 ug/L	1196040	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indane	118	C9H10	000496-11-7	87
2			Indane	118	C9H10	000496-11-7	72
3			Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
4			Deltacyclene	118	C9H10	007785-10-6	64
5			Benzene, cyclopropyl-	118	C9H10	000873-49-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

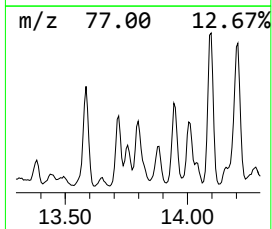
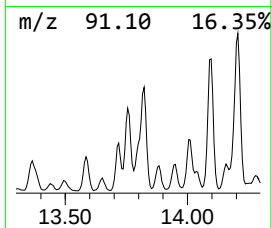
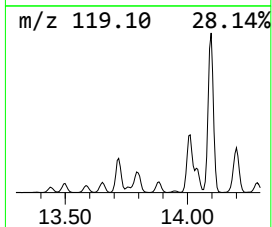
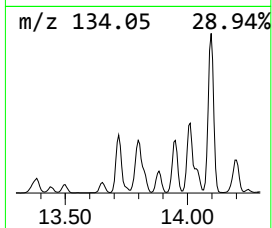
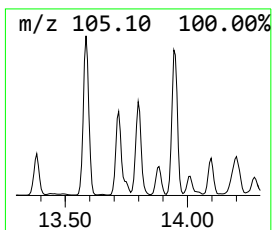
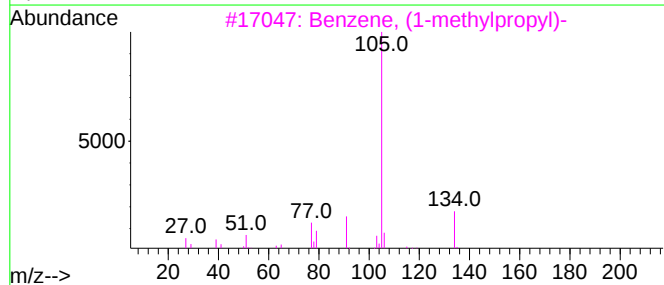
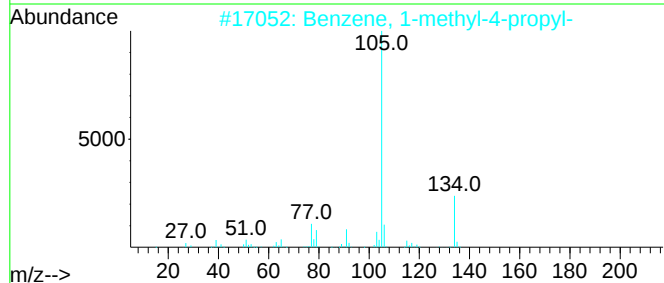
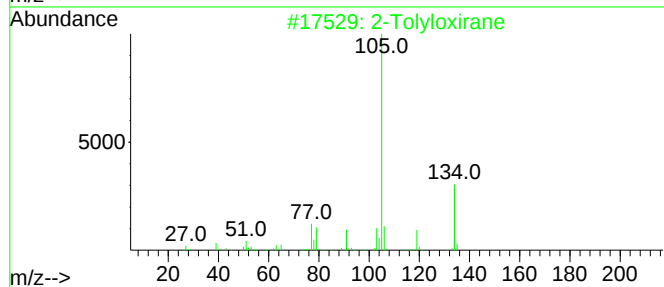
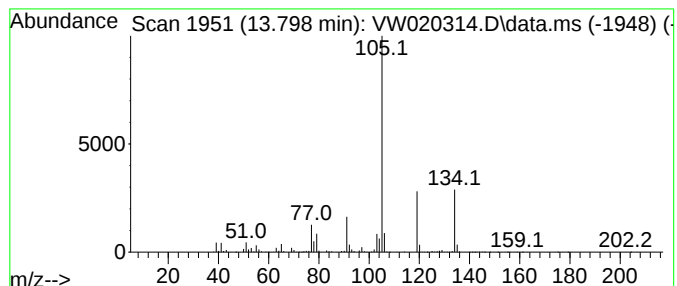
Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 38 2-Tolyloxirane Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.798	22.64 ug/L	469011	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Tolyloxirane		134	C9H10O	002783-26-8	81
2	Benzene, 1-methyl-4-propyl-		134	C10H14	001074-55-1	76
3	Benzene, (1-methylpropyl)-		134	C10H14	000135-98-8	68
4	Perillyl benzoate		256	C17H20O2	073524-02-4	64
5	Benzene, (1-methylpropyl)-		134	C10H14	000135-98-8	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

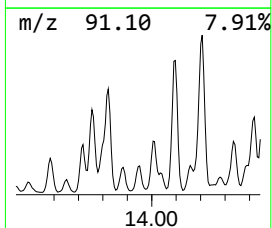
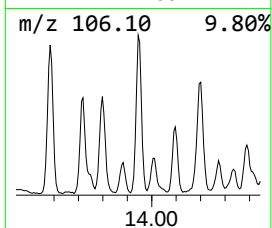
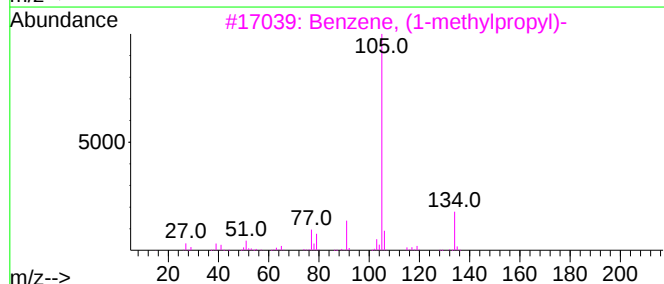
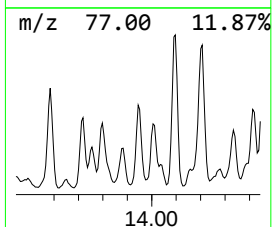
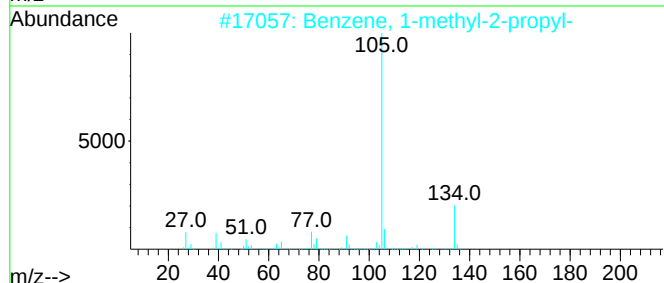
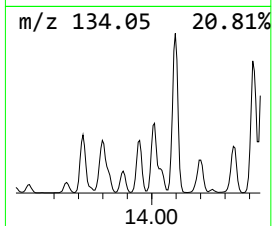
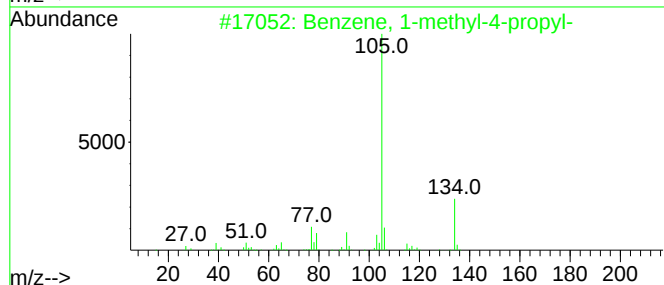
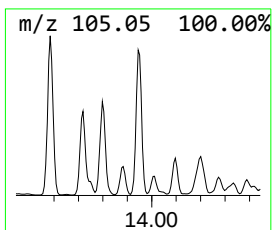
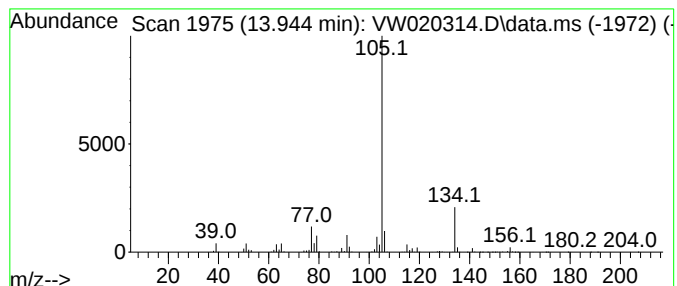
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 39 Benzene, 1-methyl-4-propyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.944	24.42 ug/L	505798	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
3			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	90
4			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	90
5			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

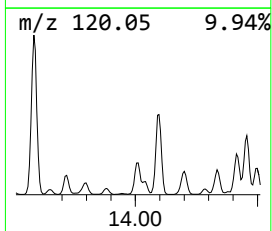
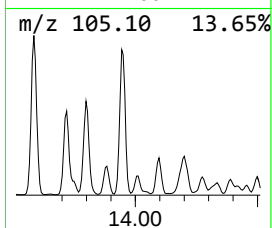
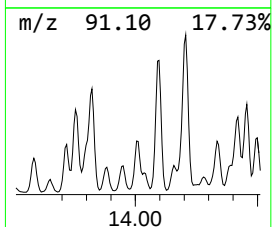
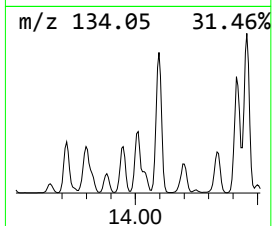
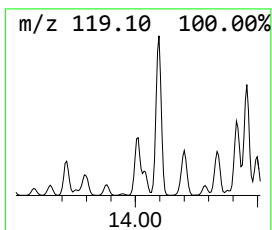
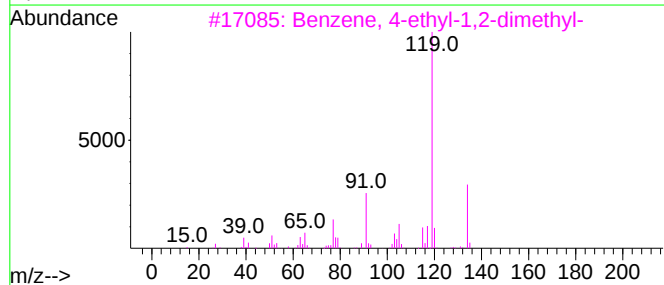
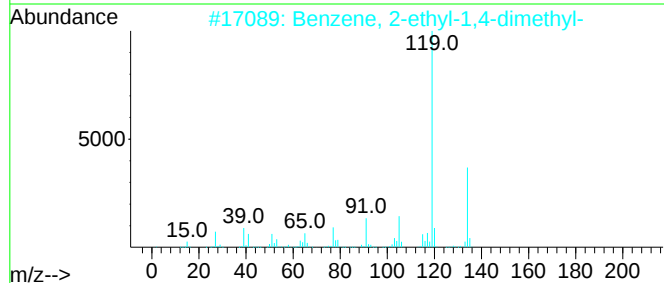
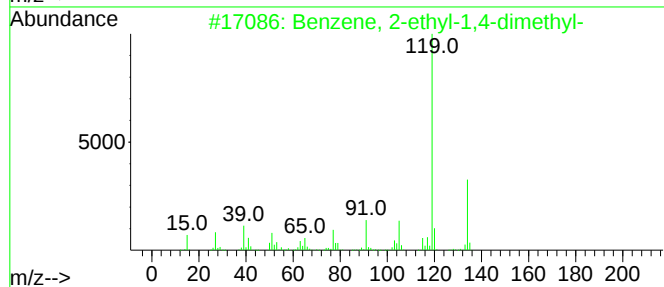
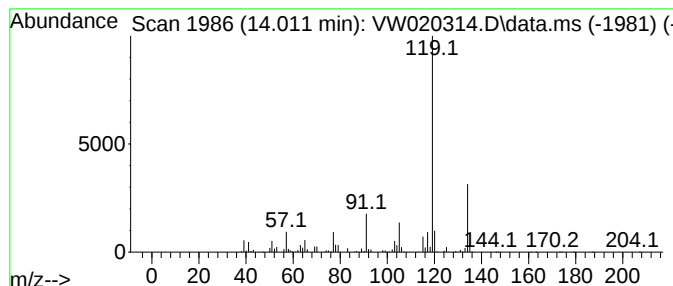
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 40 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.011	47.41 ug/L	981984	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4			o-Cymene	134	C10H14	000527-84-4	94
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

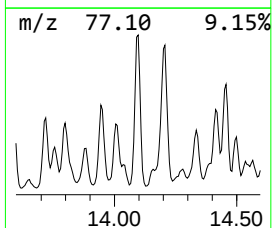
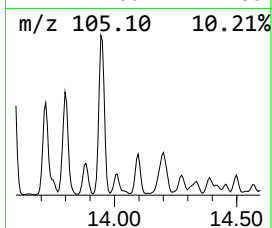
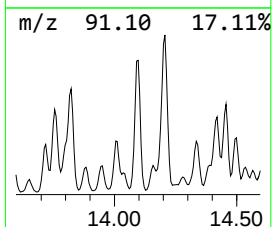
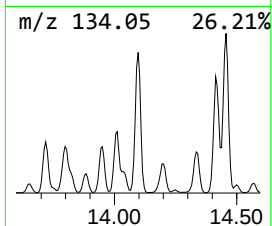
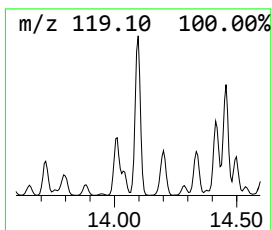
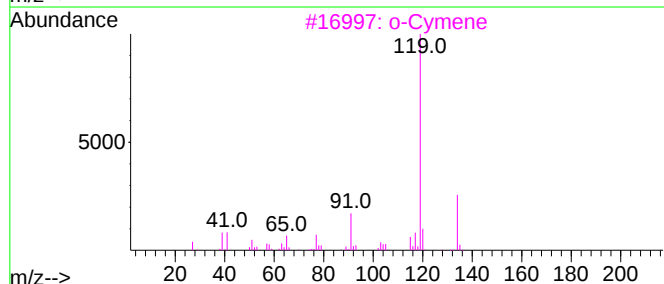
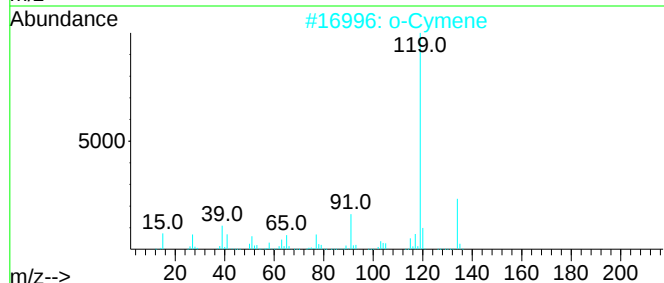
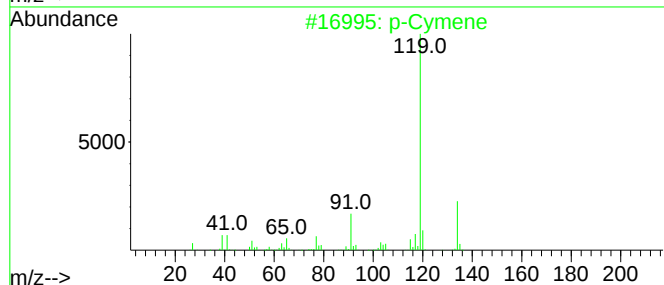
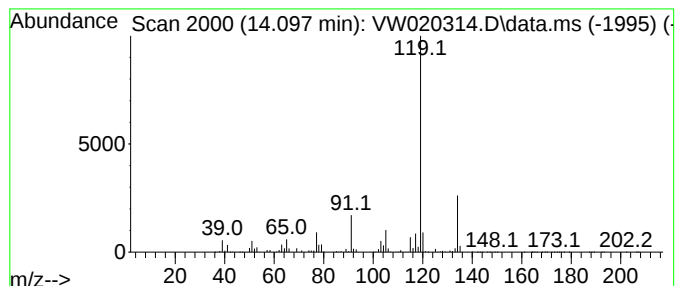
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 41 p-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.097	82.64 ug/L	1711760	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			p-Cymene	134	C10H14	000099-87-6	95
2			o-Cymene	134	C10H14	000527-84-4	95
3			o-Cymene	134	C10H14	000527-84-4	95
4			o-Cymene	134	C10H14	000527-84-4	95
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

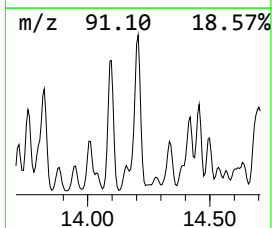
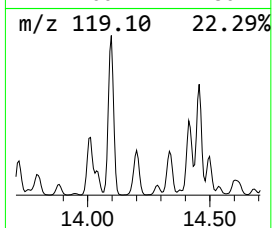
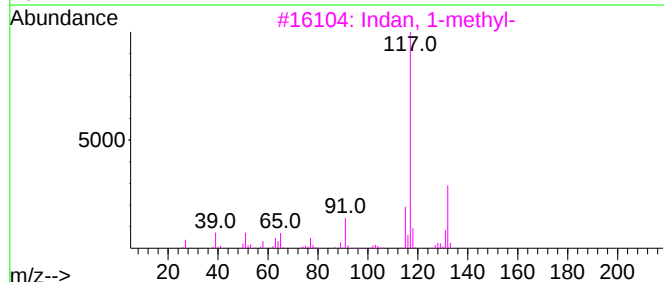
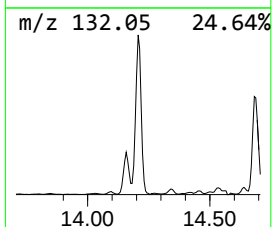
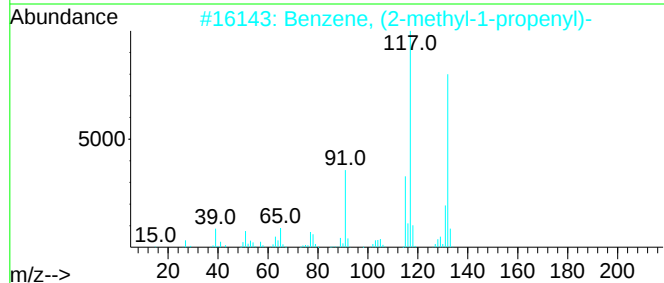
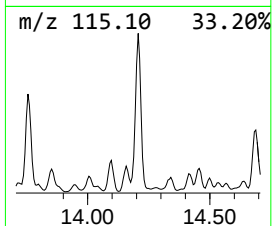
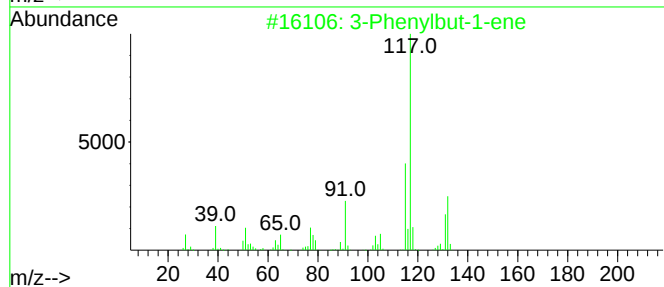
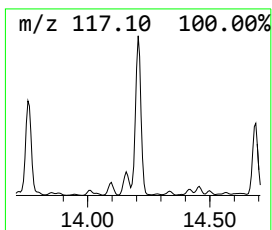
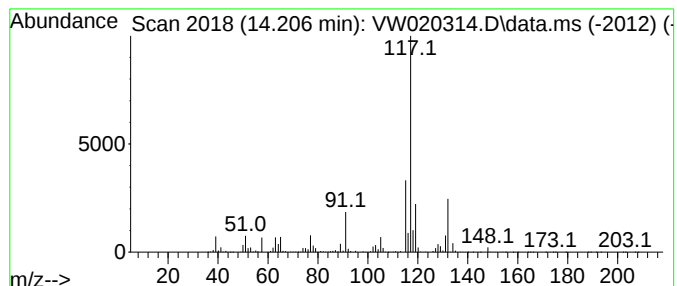
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 42 3-Phenylbut-1-ene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.206	126.28 ug/L	2615720	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
2		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	76
3		Indan, 1-methyl-	132	C10H12	000767-58-8	76
4		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	74
5		Indan, 1-methyl-	132	C10H12	000767-58-8	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

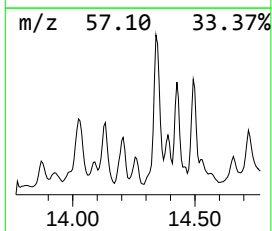
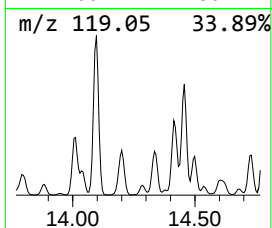
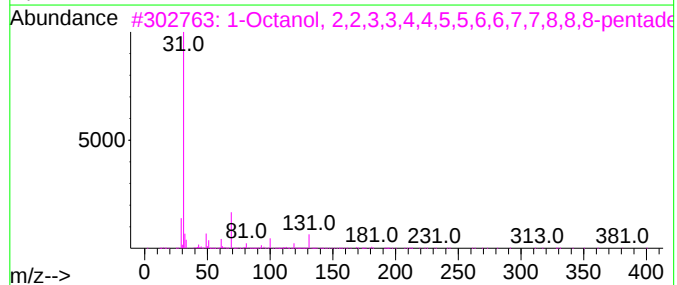
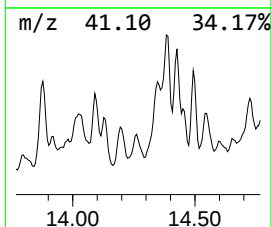
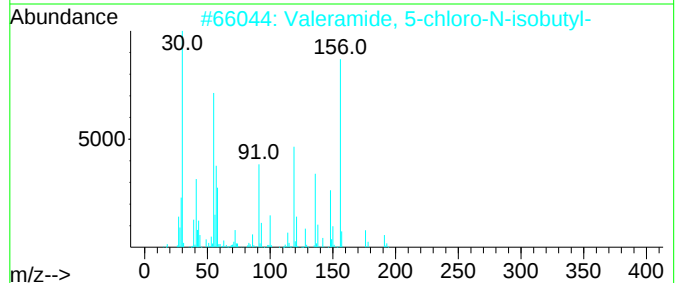
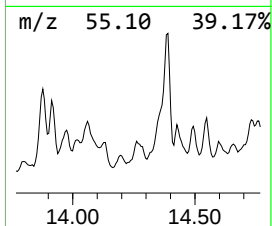
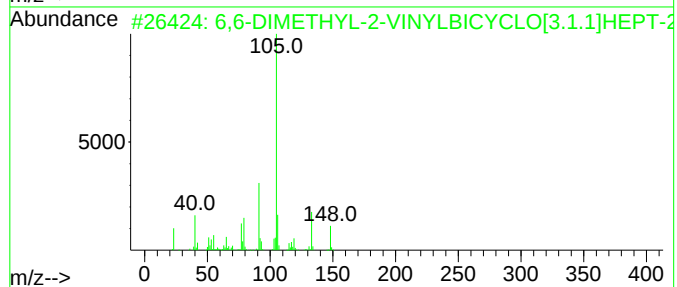
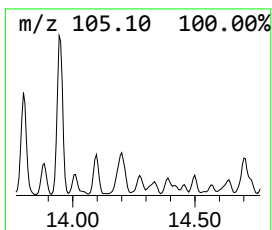
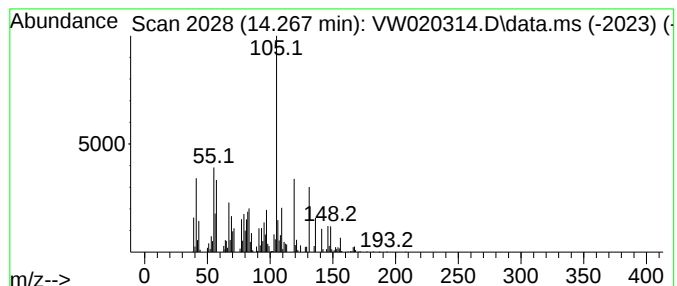
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 43 unknown-02 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.267	11.50 ug/L	238118	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	6,6-DIMETHYL-2-VINYLBICYCLO[3.1.1]HEPT-2-ENE	148	C11H16	000473-00-7	11		
2	Valeramide, 5-chloro-N-isobutyl-	191	C9H18ClNO	1000407-53-0	9		
3	1-Octanol, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-	400	C8H3F15O	000307-30-2	9		
4	Bicyclo[3.1.1]hept-3-ene-spiro-2,5-oct-2-ene	194	C12H18O2	1000149-76-2	9		
5	N-methyl-N-(2-nitrophenyl)acetamide	194	C9H10N2O3	1000441-25-3	9		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

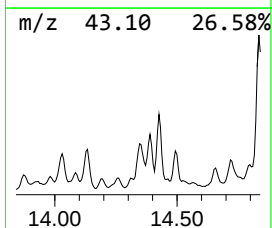
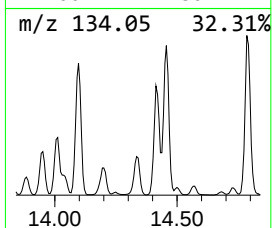
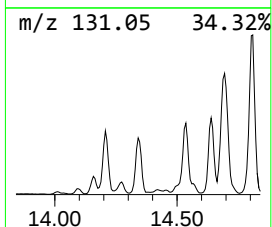
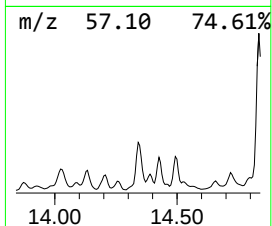
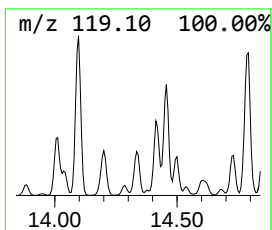
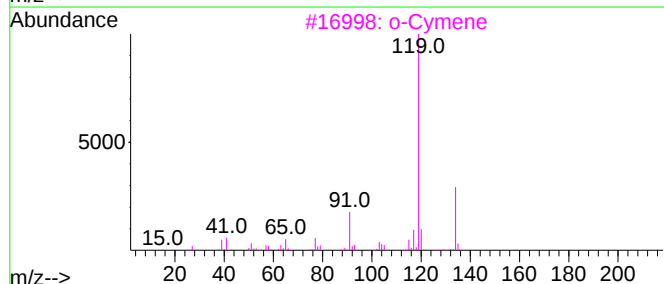
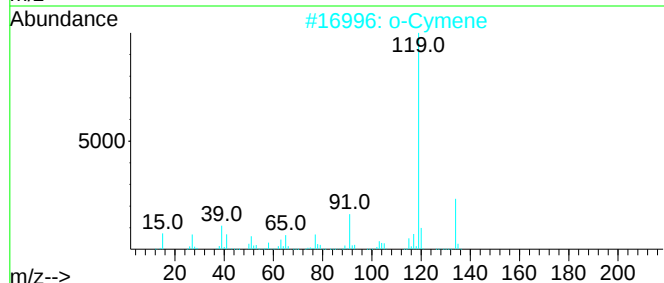
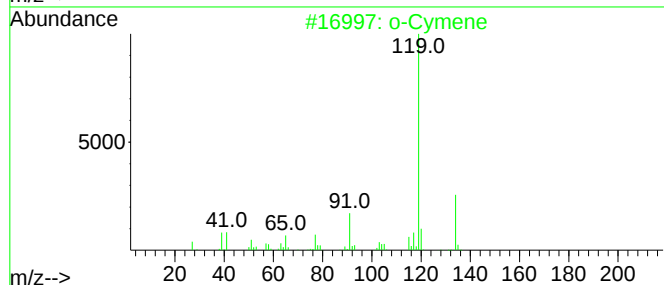
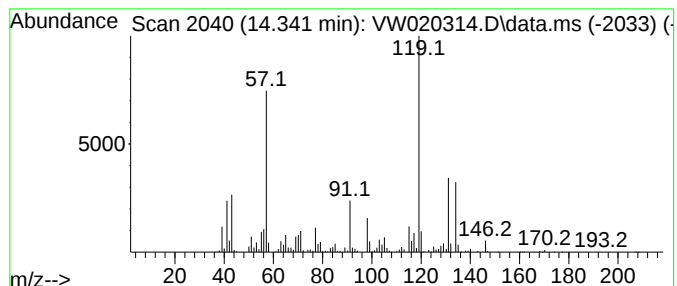
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 44 o-Cymene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.341	56.34 ug/L	1166970	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	91
2			o-Cymene	134	C10H14	000527-84-4	90
3			o-Cymene	134	C10H14	000527-84-4	90
4			p-Cymene	134	C10H14	000099-87-6	90
5			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

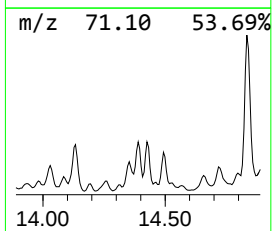
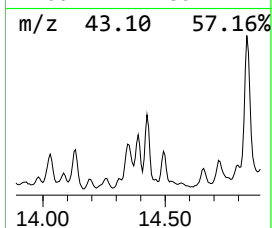
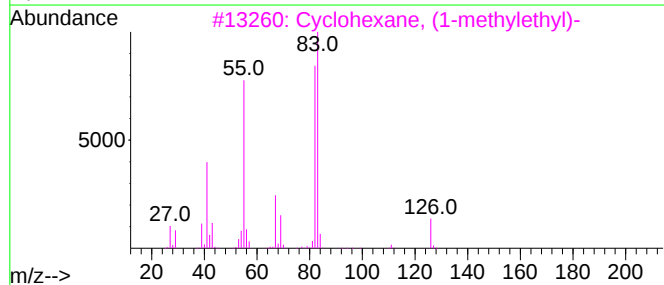
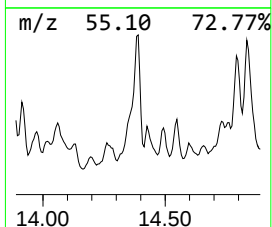
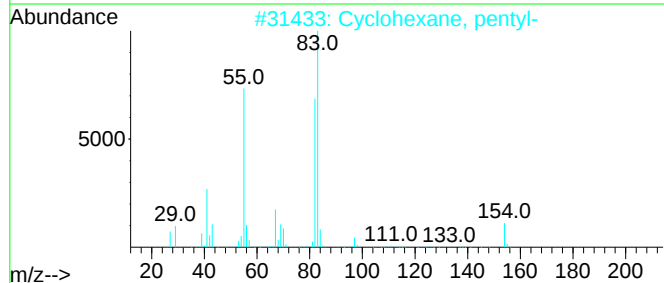
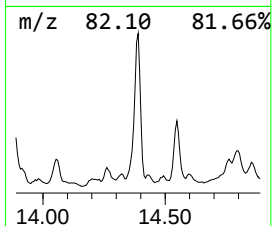
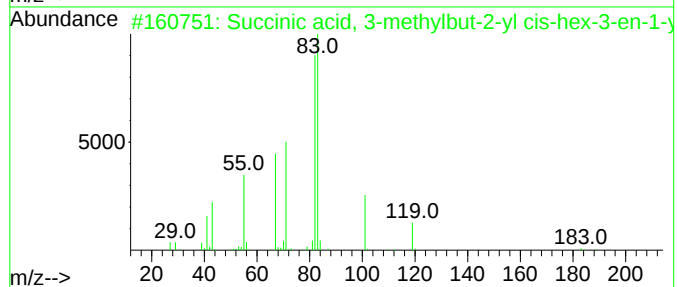
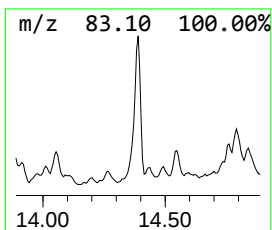
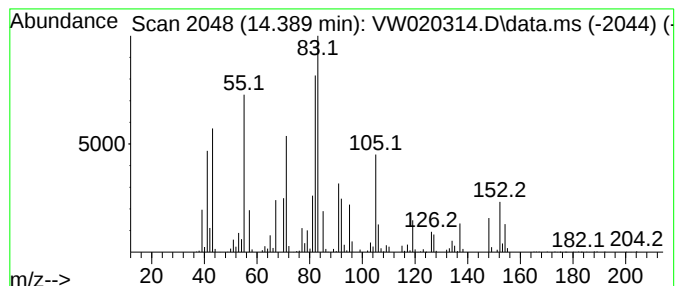
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 45 Succinic acid, 3-methylbut-... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.389	41.70 ug/L	863770	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Succinic acid, 3-methylbut-2-yl ...	270	C15H26O4	1000391-08-2	50
2			Cyclohexane, pentyl-	154	C11H22	004292-92-6	46
3			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	46
4			Cyclohexane, propyl-	126	C9H18	001678-92-8	46
5			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

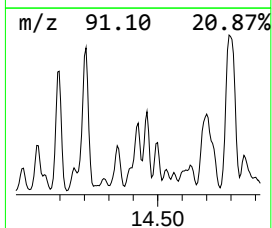
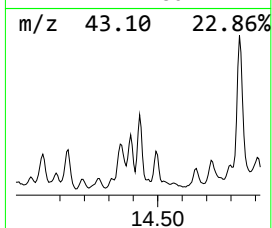
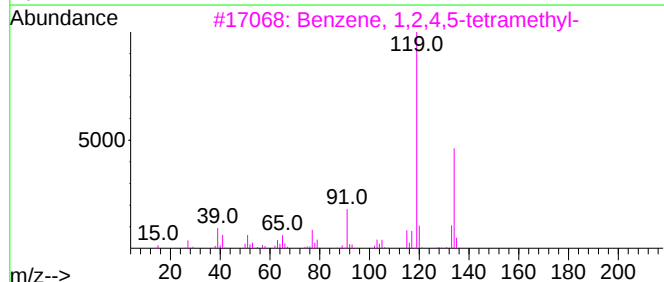
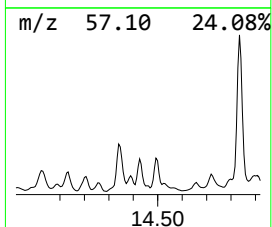
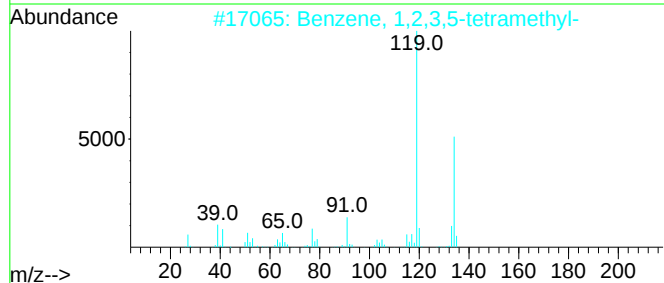
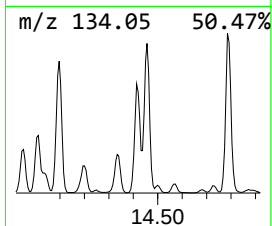
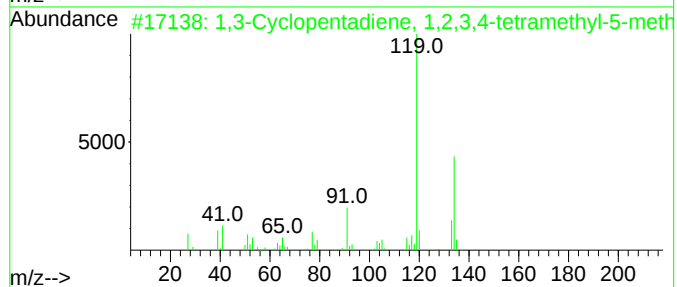
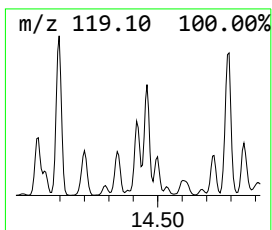
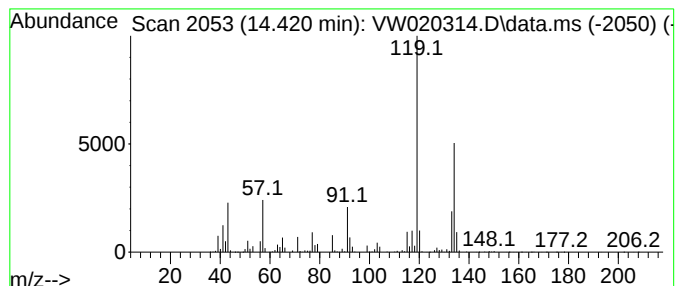
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 46 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.420	57.41 ug/L	1189170	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
4			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

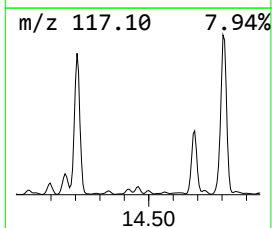
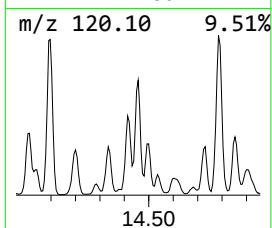
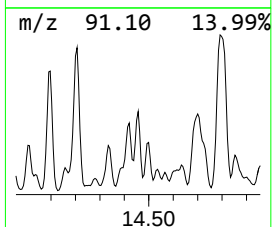
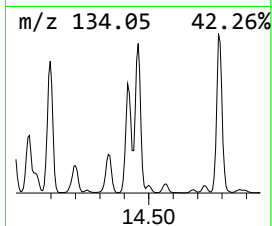
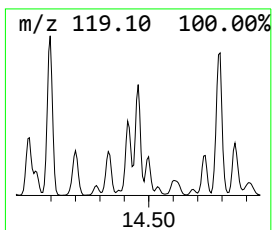
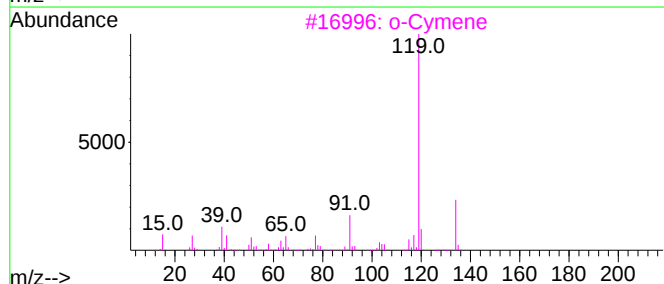
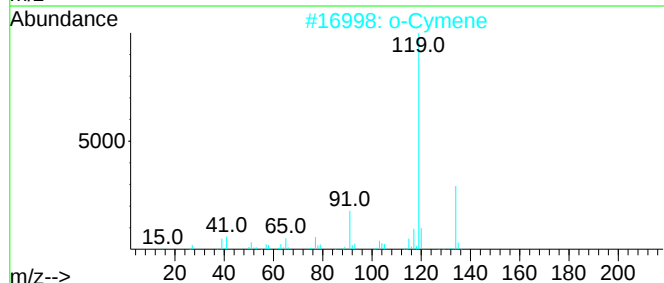
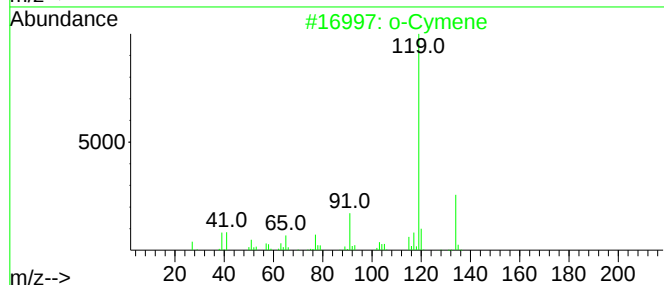
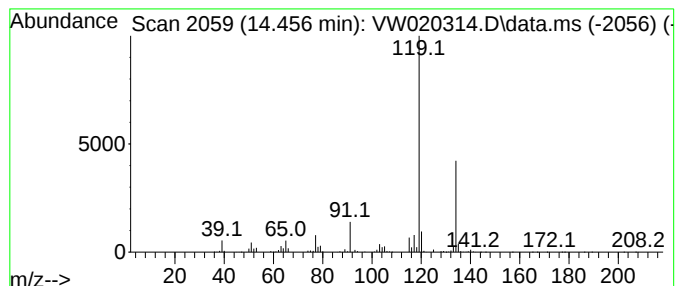
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 47 Benzene, 1-methyl-3-(1-meth... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.456	49.64 ug/L	1028220	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	95
2			o-Cymene	134	C10H14	000527-84-4	94
3			o-Cymene	134	C10H14	000527-84-4	94
4			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

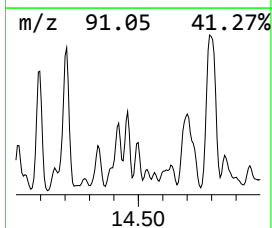
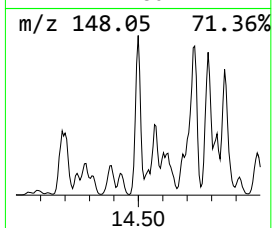
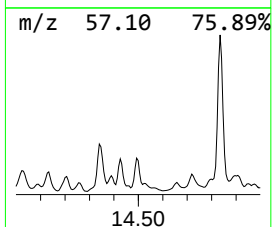
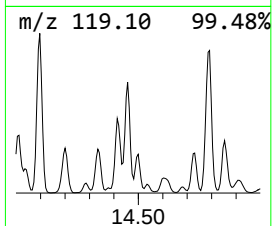
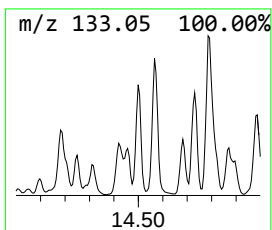
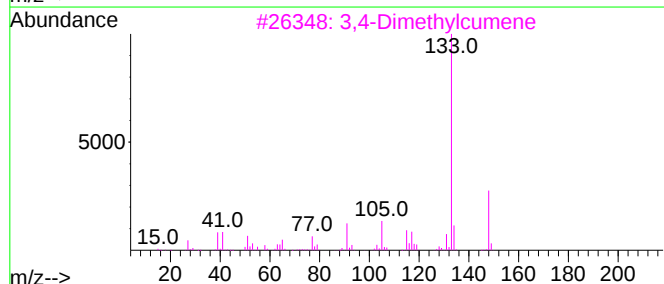
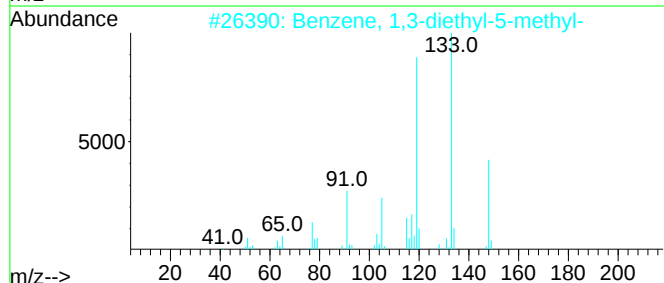
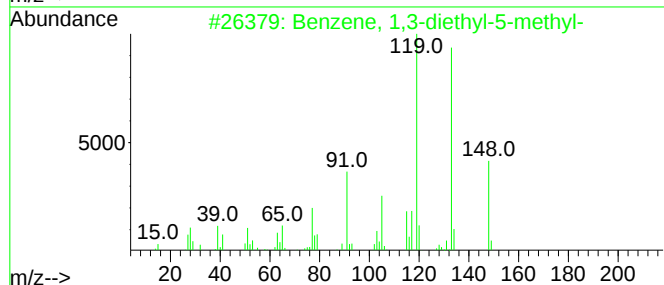
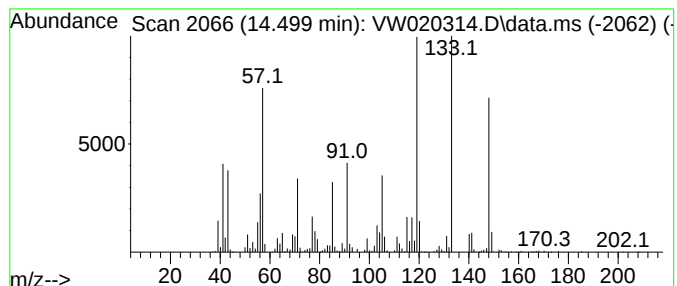
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 48 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.499	31.63 ug/L	655143	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	87
2			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	87
3			3,4-Dimethylcumene	148	C11H16	1000370-34-1	55
4			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	49
5			Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

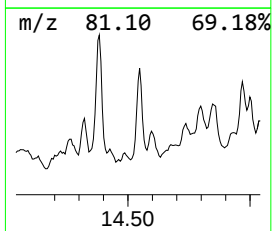
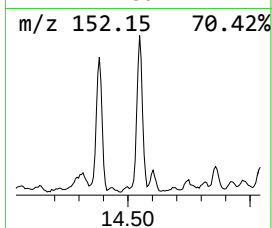
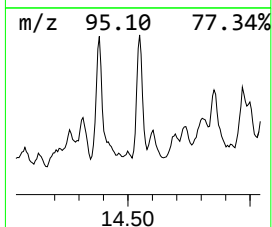
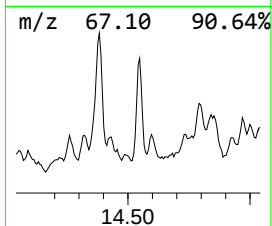
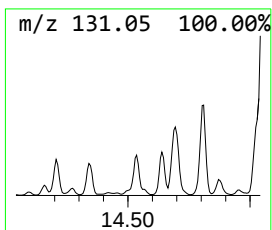
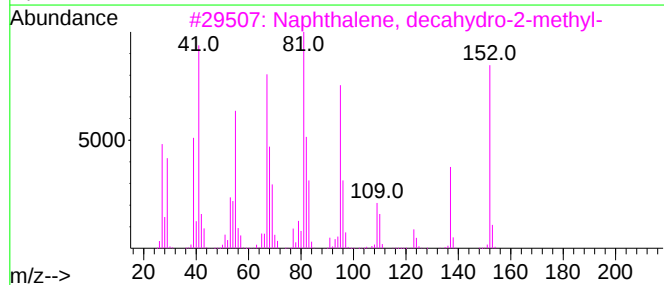
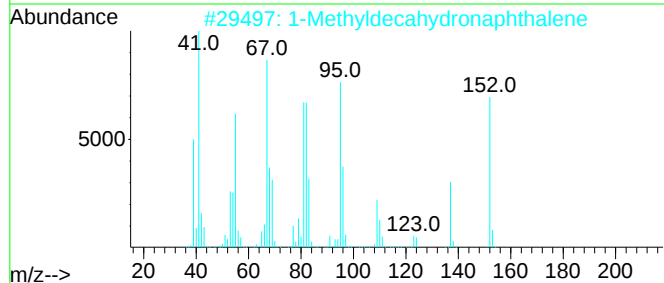
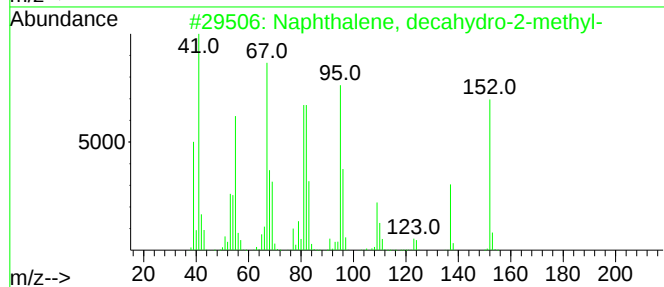
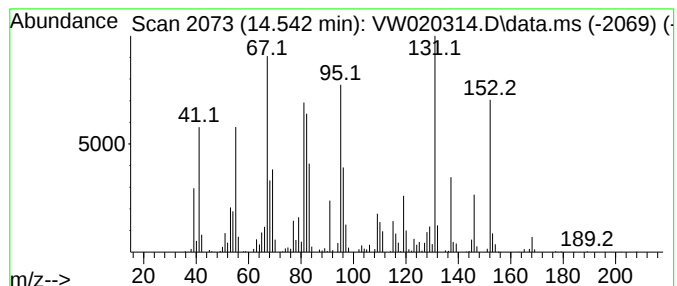
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 49 Naphthalene, decahydro-2-me... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.542	28.65 ug/L	593480	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	92
2			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	92
3			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	89
4			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	86
5			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

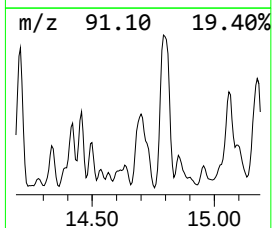
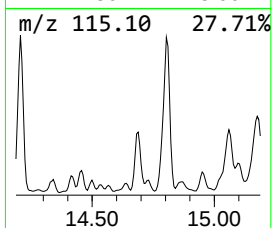
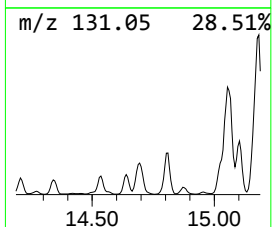
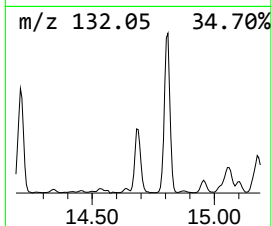
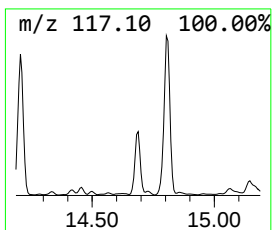
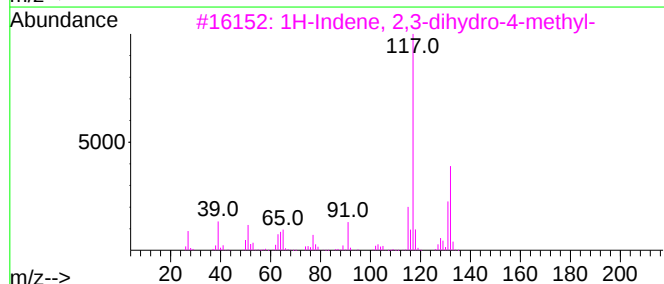
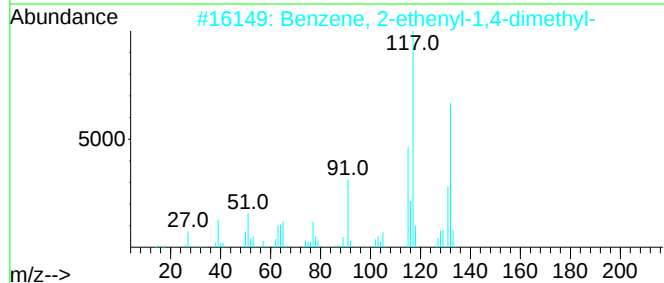
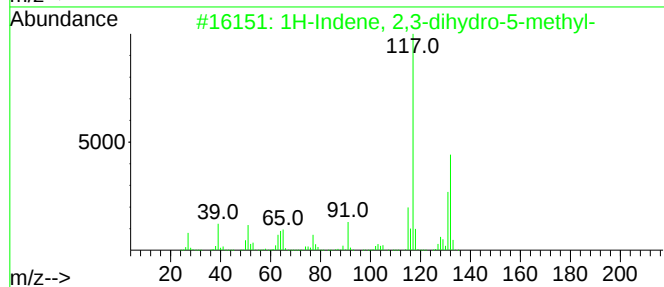
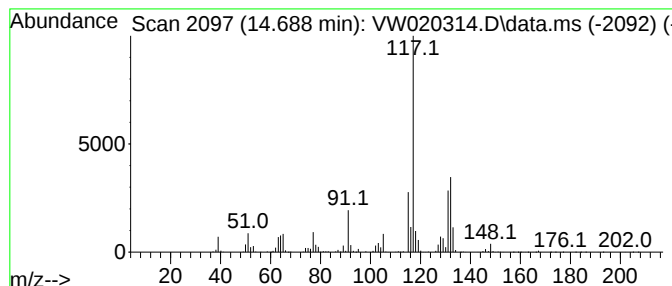
Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 51 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.688	67.43 ug/L	1396790	1,4-Dichlorobenzene-d4			13.560
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-		132	C10H12	000874-35-1	93
2	Benzene, 2-ethenyl-1,4-dimethyl-		132	C10H12	002039-89-6	91
3	1H-Indene, 2,3-dihydro-4-methyl-		132	C10H12	000824-22-6	90
4	Benzene, 1-methyl-4-(2-propenyl)-		132	C10H12	003333-13-9	90
5	3-Phenylbut-1-ene		132	C10H12	000934-10-1	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

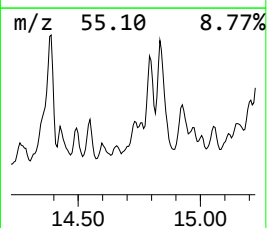
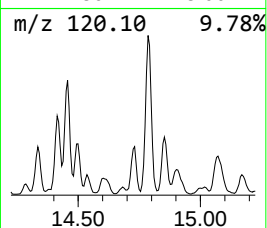
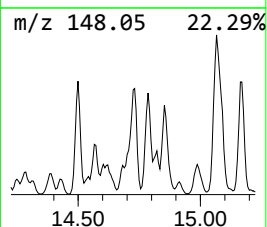
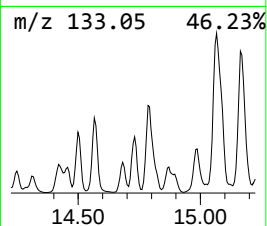
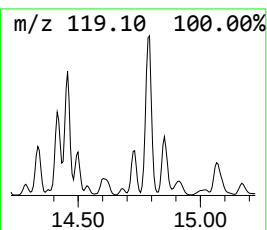
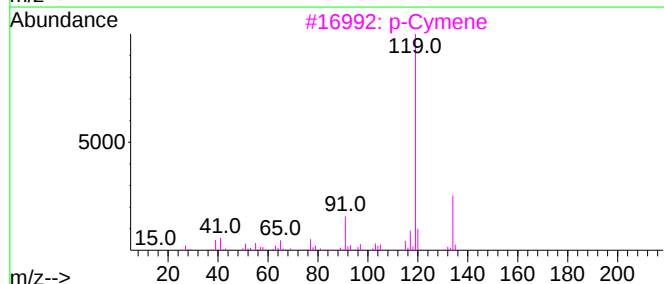
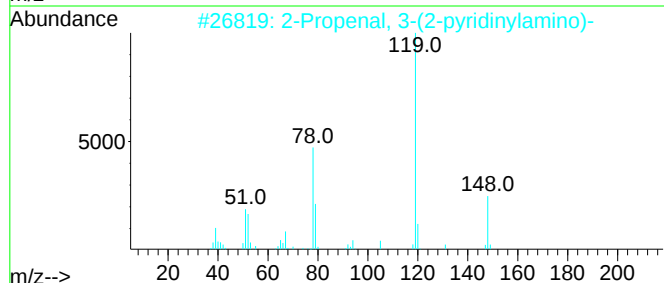
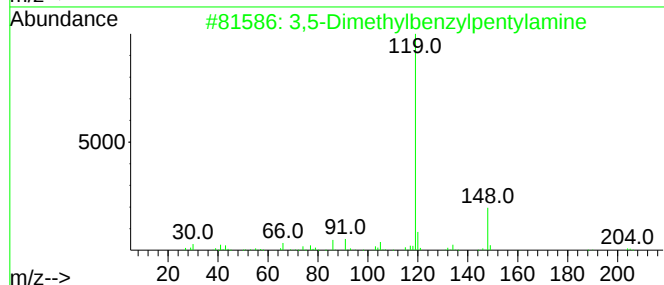
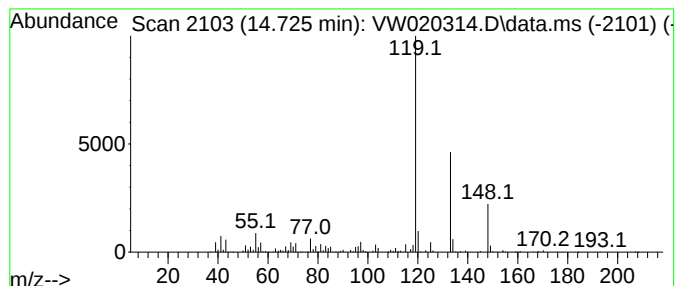
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 52 3,5-Dimethylbenzylpentylamine Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.725	28.37 ug/L	587543	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,5-Dimethylbenzylpentylamine	205	C14H23N	1000491-60-8	50
2			2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	50
3			p-Cymene	134	C10H14	000099-87-6	46
4			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	46
5			Disiloxane, 1,1,3,3-tetramethyl-	134	C4H14OSi2	003277-26-7	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

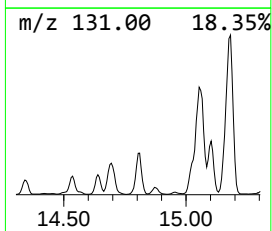
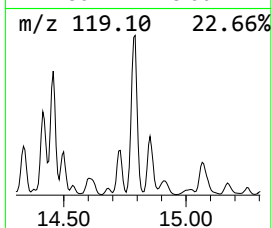
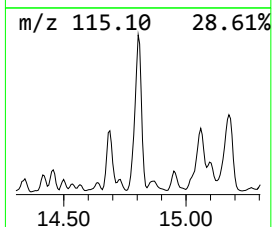
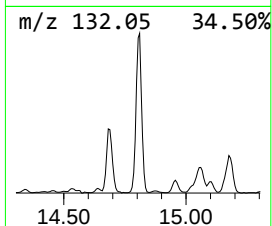
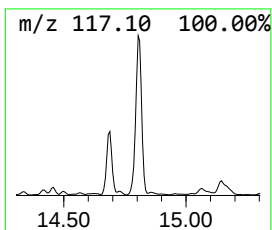
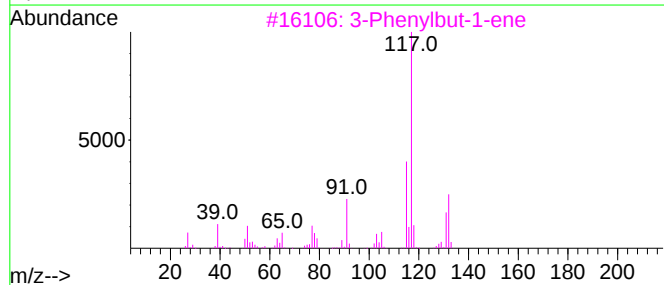
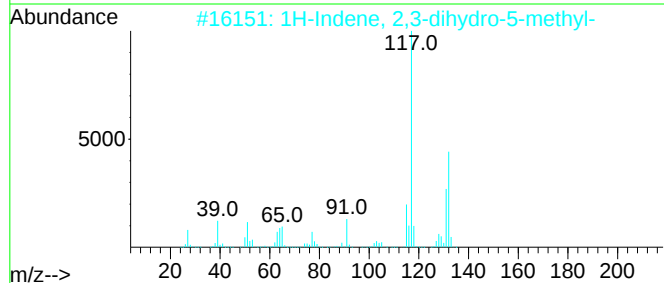
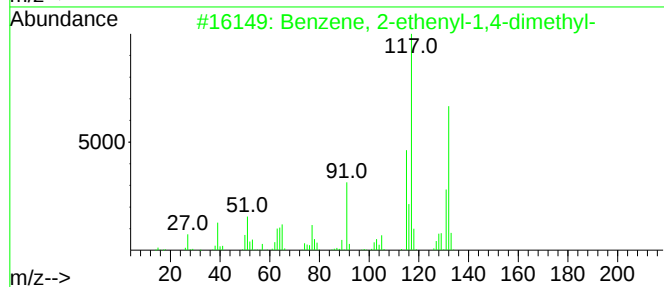
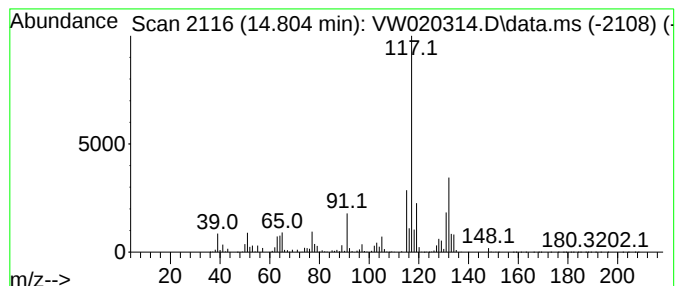
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 53 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.804	261.48 ug/L	5416200	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3		3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
4		1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	83
5		1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

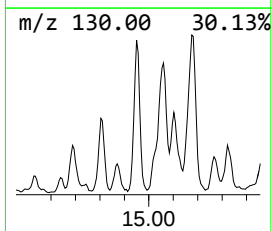
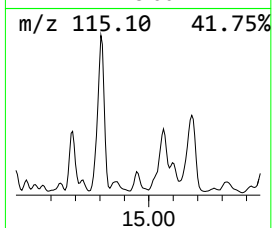
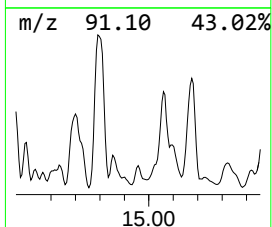
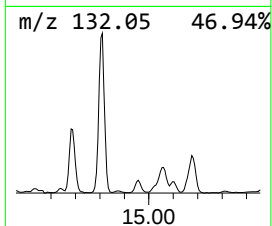
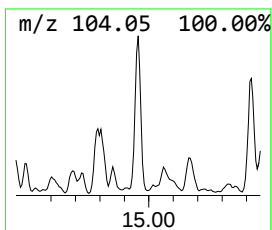
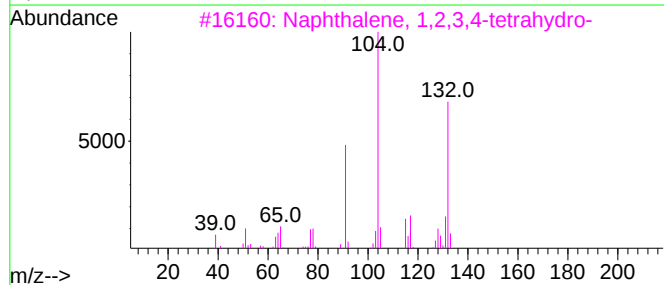
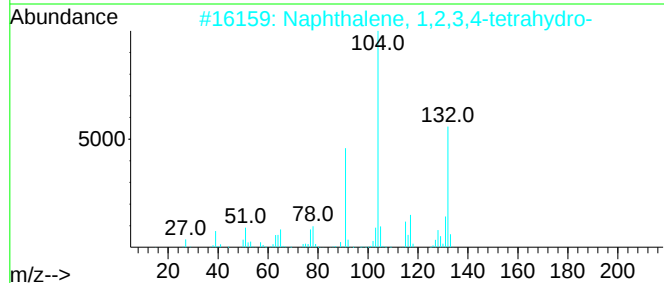
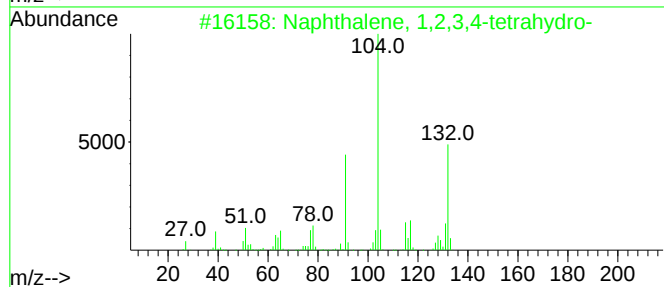
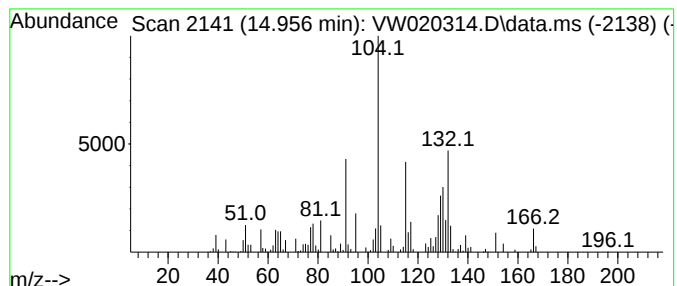
Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 54 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.956	11.69 ug/L	242046	1,4-Dichlorobenzene-d4			13.560
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene,	1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
2	Naphthalene,	1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
3	Naphthalene,	1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
4	Naphthalene,	1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
5	Naphthalene,	1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

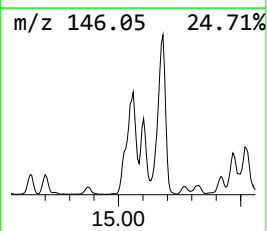
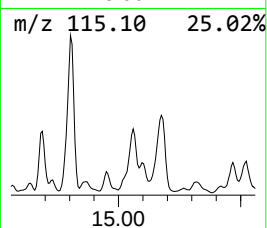
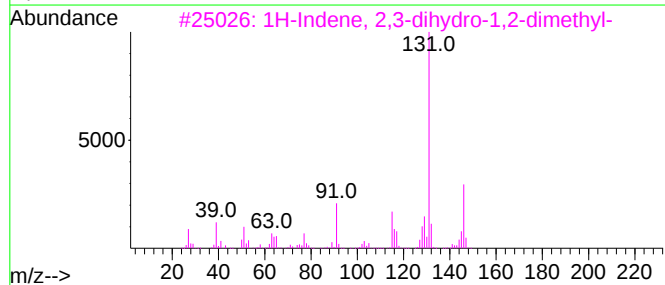
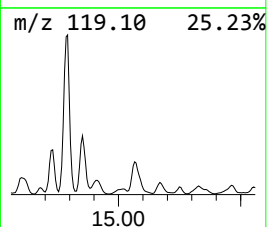
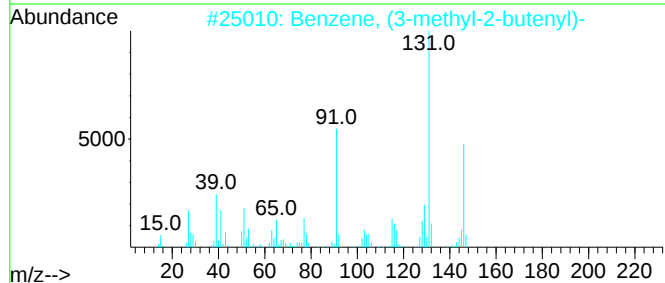
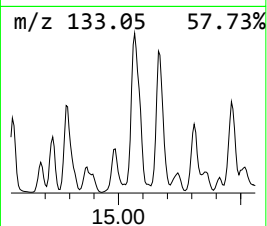
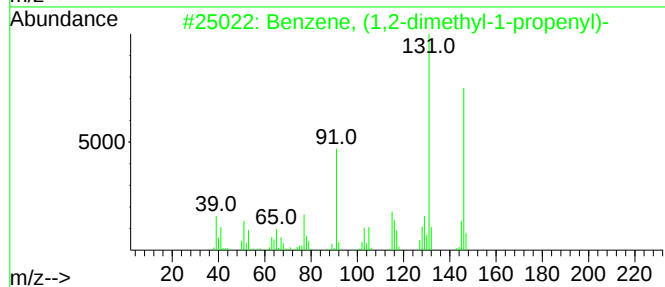
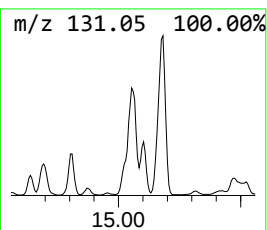
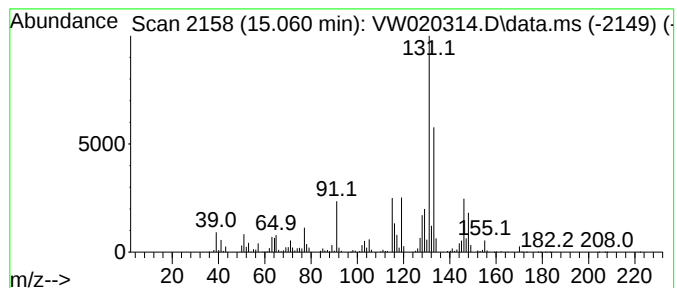
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 55 Benzene, (1,2-dimethyl-1-propenyl)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	137.61 ug/L	2850310	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90
2			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	83
3			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	78
4			Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	70
5			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

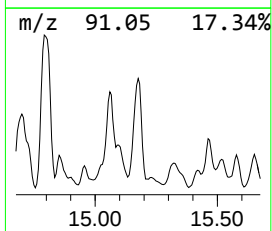
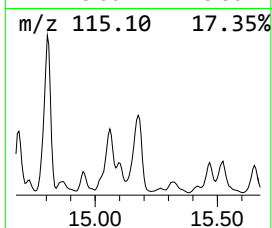
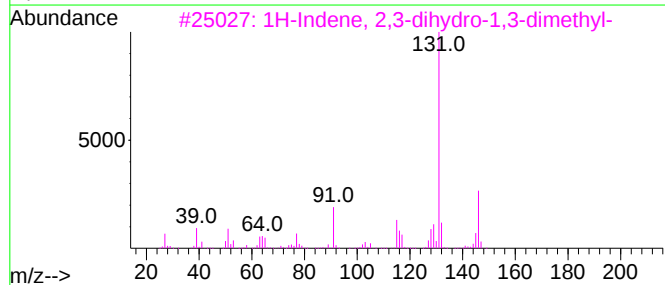
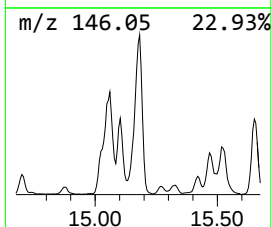
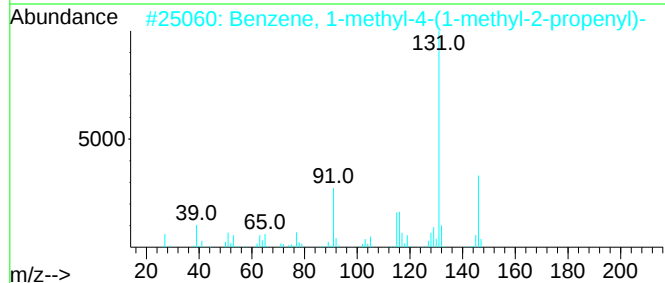
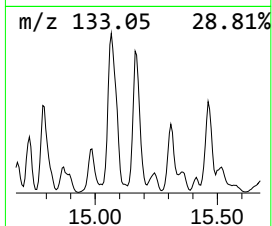
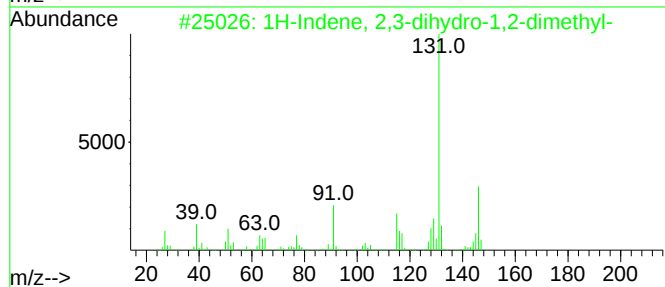
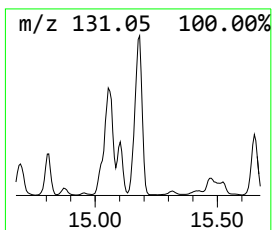
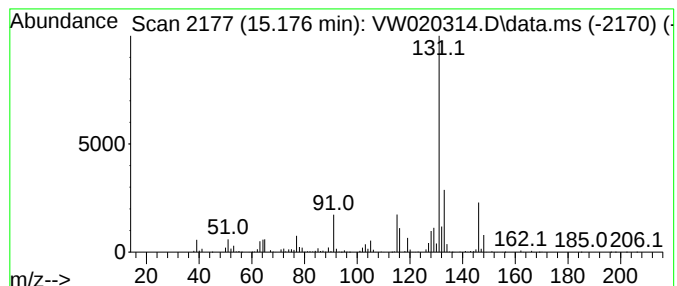
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 56 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.176	145.00 ug/L	3003350	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	81
2			Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	81
3			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
4			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81
5			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

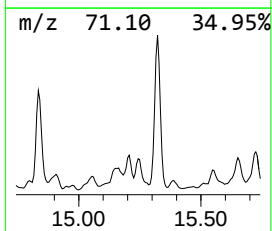
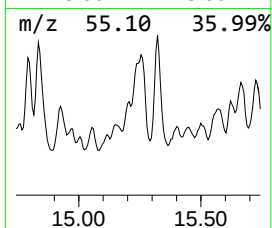
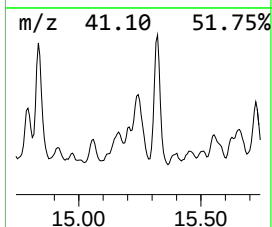
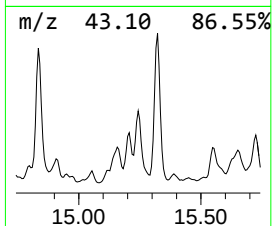
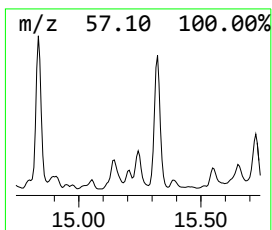
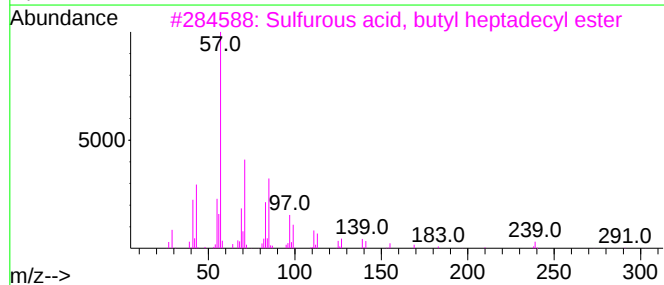
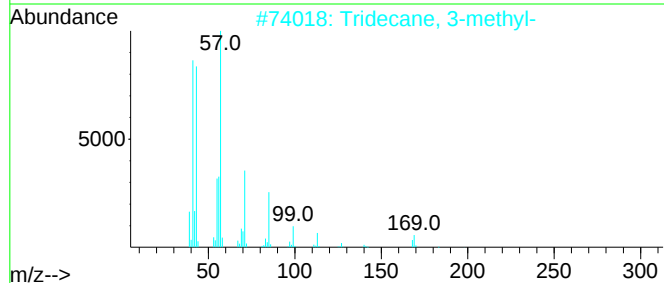
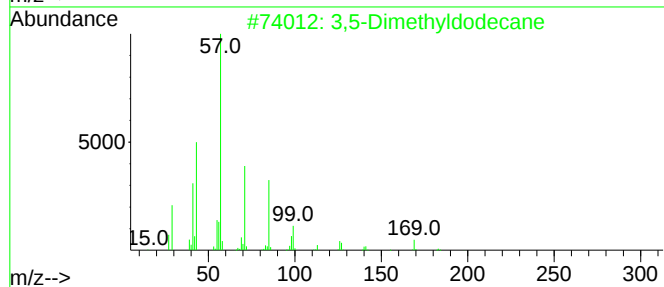
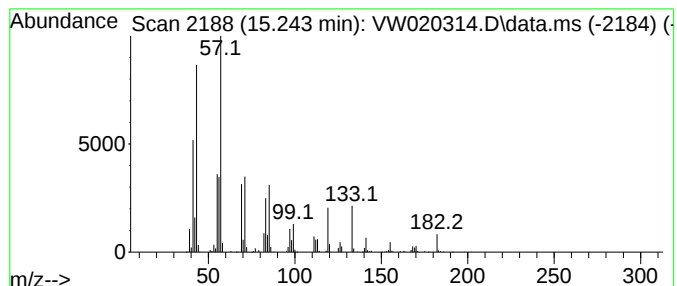
Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 57 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.	
15.243	50.38 ug/L	1043450	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	3,5-Dimethyldodecane		198	C14H30	107770-99-0	50
2	Tridecane, 3-methyl-		198	C14H30	006418-41-3	49
3	Sulfurous acid, butyl heptadecyl...		376	C21H44O3S	1000309-18-4	47
4	Sulfurous acid, butyl dodecyl ester		306	C16H34O3S	1000309-17-9	47
5	Carbonic acid, decyl prop-1-en-2...		242	C14H26O3	1000382-90-5	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

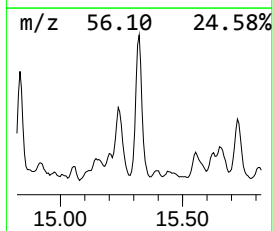
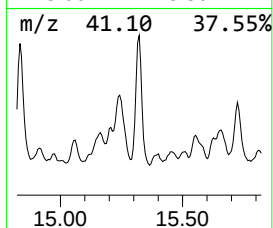
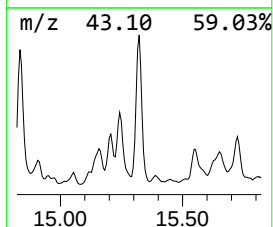
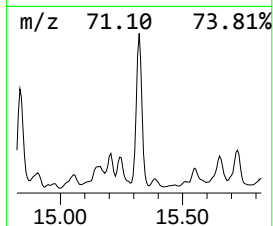
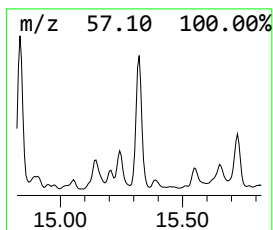
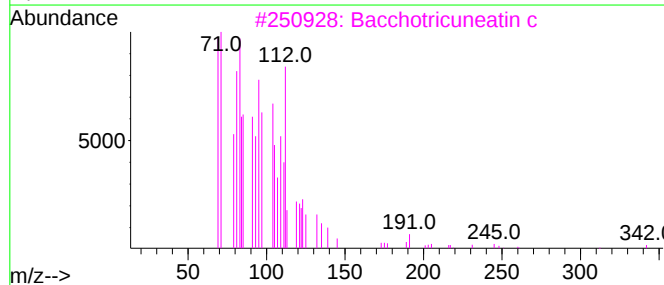
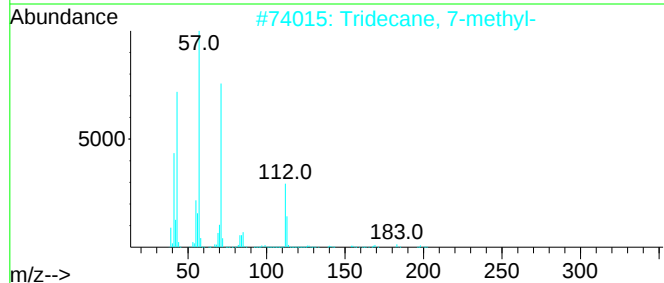
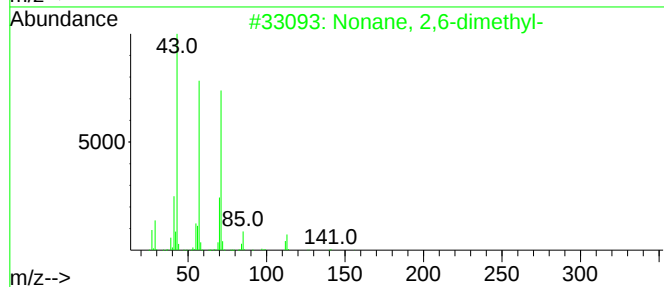
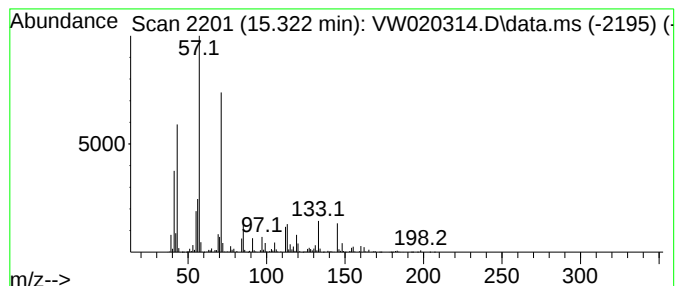
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 58 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	99.62 ug/L	2063490	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64
2		Tridecane, 7-methyl-	198	C14H30	026730-14-3	62
3		Bacchotricuneatin c	342	C20H22O5	066563-30-2	58
4		Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	58
5		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

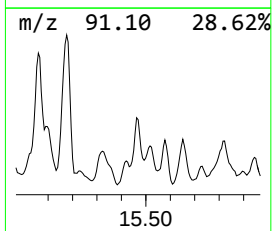
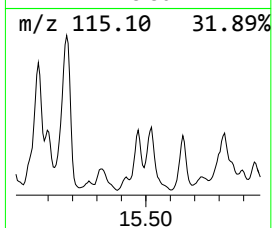
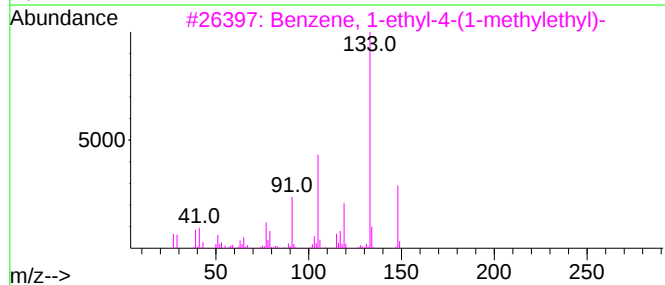
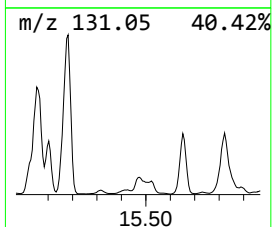
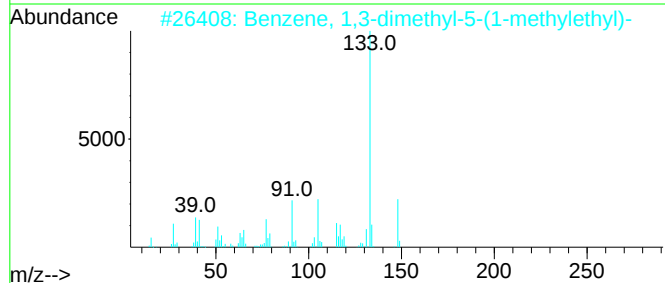
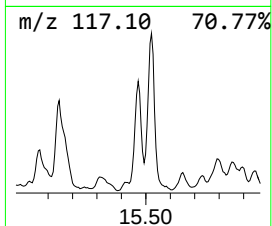
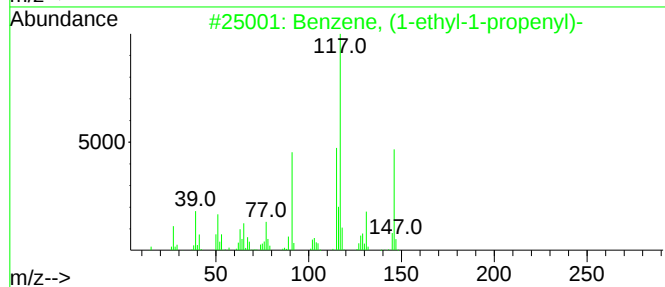
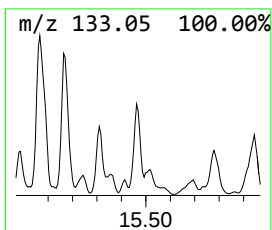
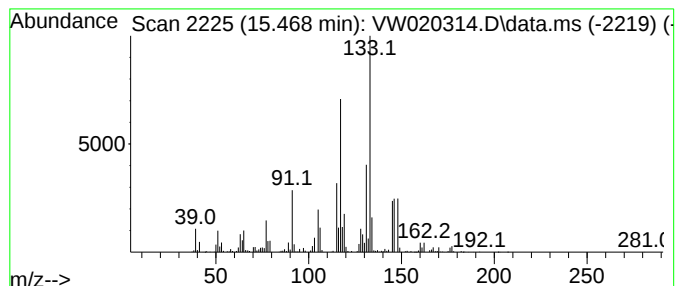
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 59 Benzene, (1-ethyl-1-propenyl)- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.468	45.97 ug/L	952134	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	60
2			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	43
3			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	43
4			1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	38
5			Succinic acid, di(3-phenylprop-2...	350	C22H22O4	1000391-05-0	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

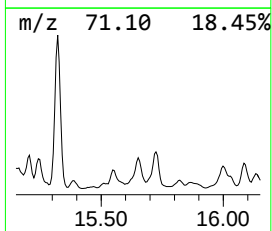
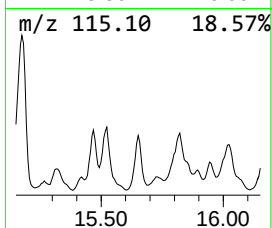
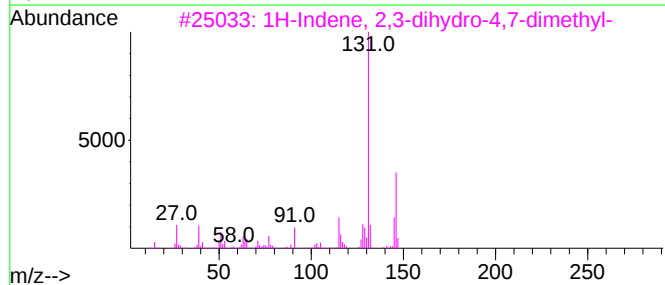
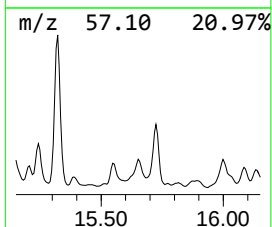
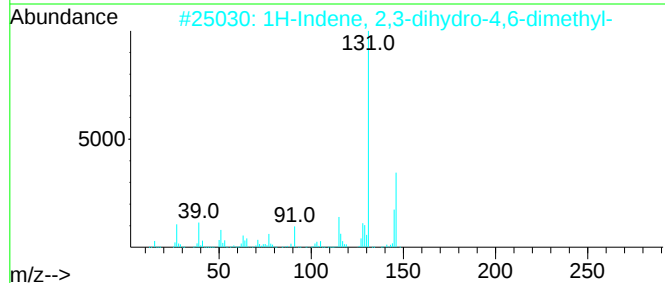
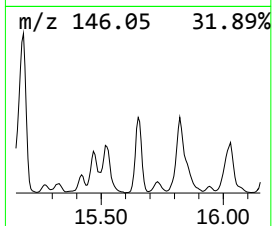
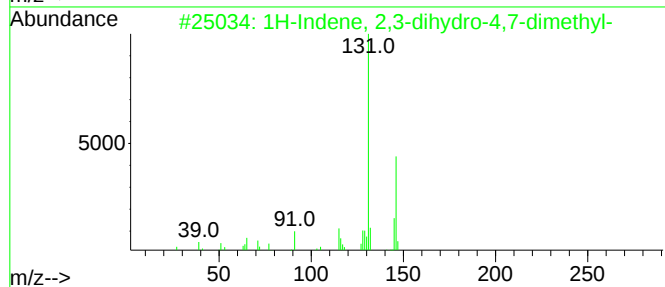
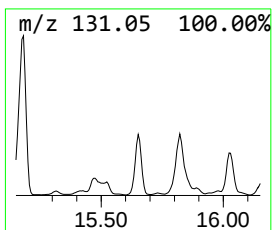
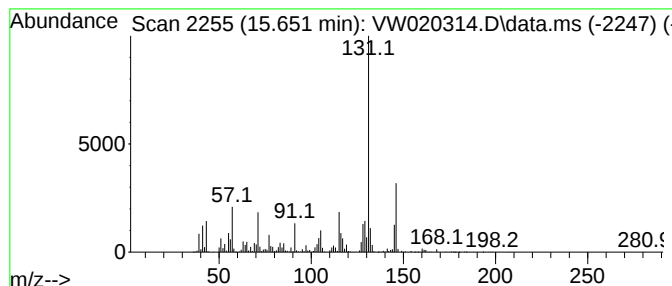
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 60 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	84.09 ug/L	1741740	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94		
2	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	93		
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93		
4	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	93		
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

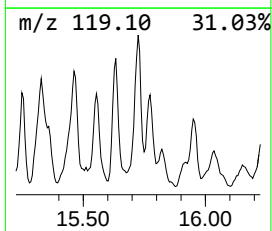
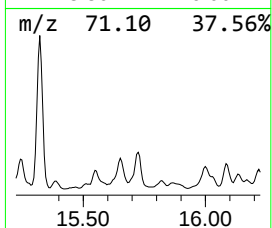
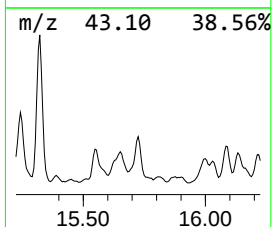
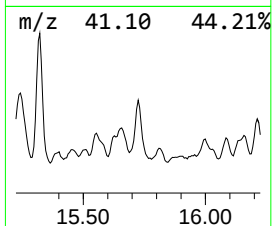
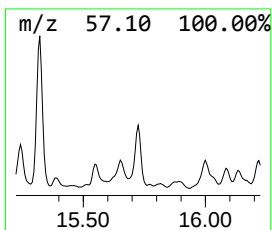
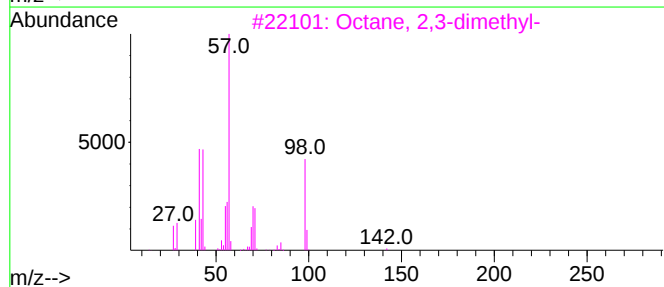
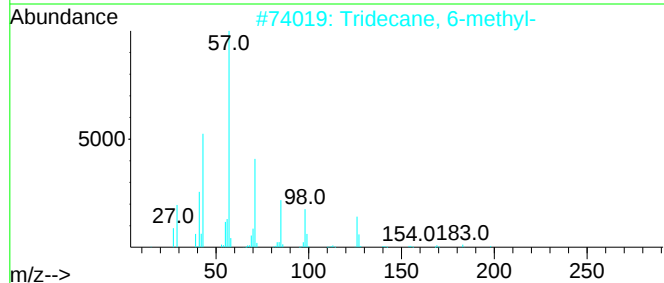
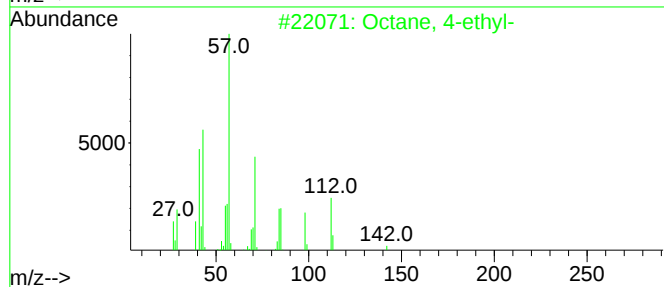
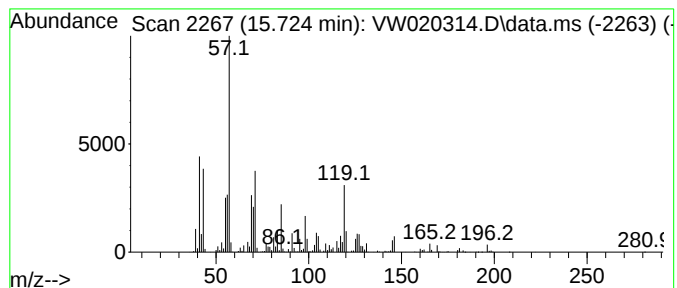
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 61 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.724	42.04 ug/L	870875	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 4-ethyl-	142	C10H22	015869-86-0	50
2			Tridecane, 6-methyl-	198	C14H30	013287-21-3	49
3			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	43
4			Decane	142	C10H22	000124-18-5	43
5			Dodecane, 3-methyl-	184	C13H28	017312-57-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

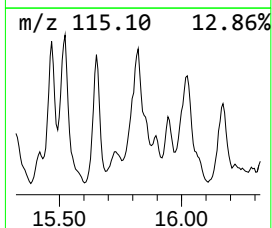
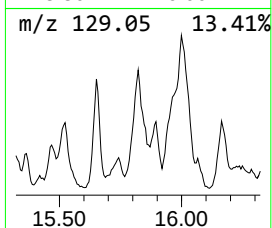
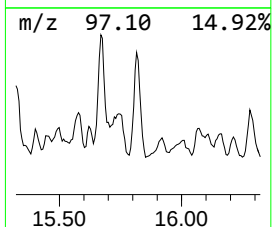
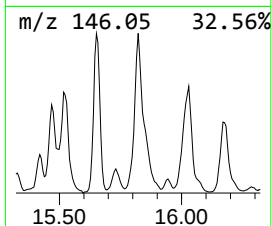
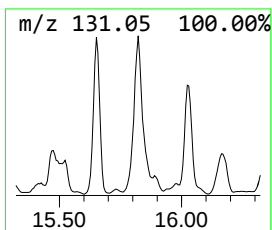
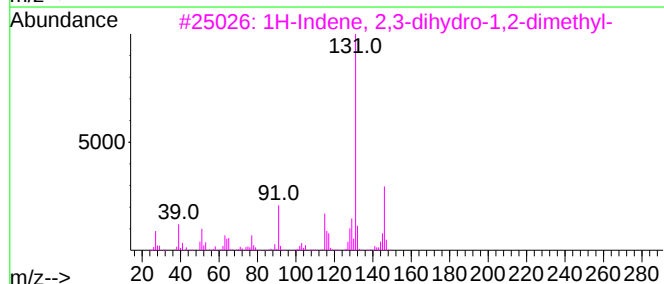
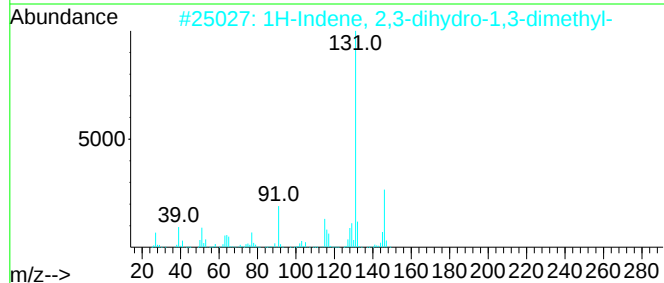
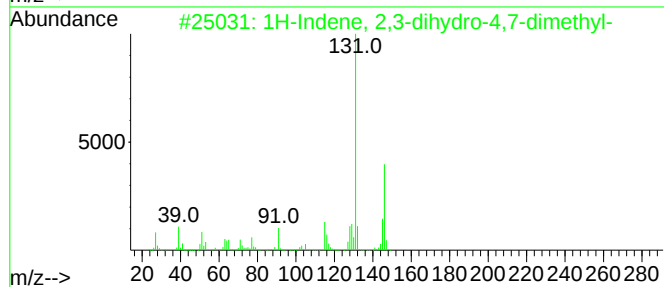
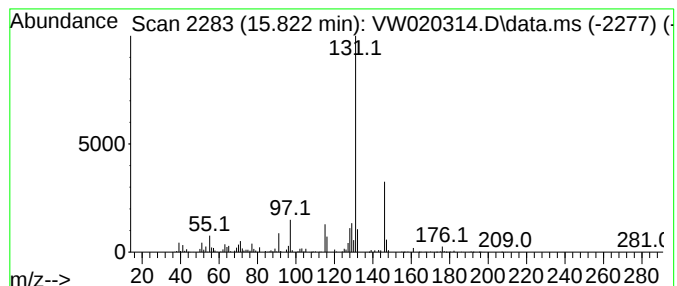
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 62 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.822	51.19 ug/L	1060320	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
2			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
3			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
4			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90
5			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

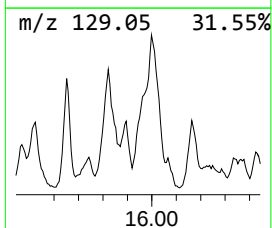
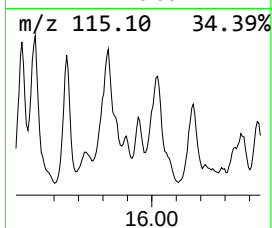
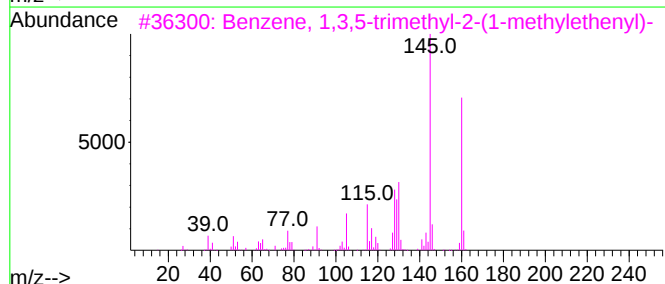
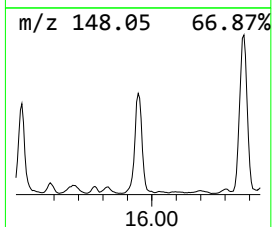
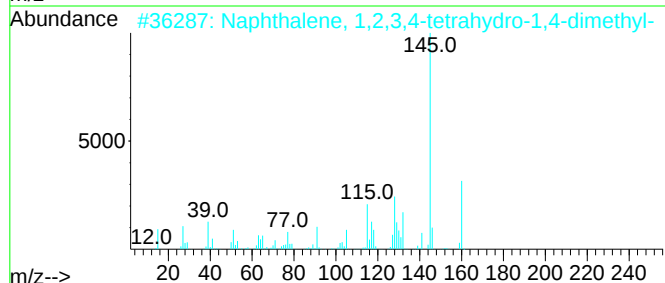
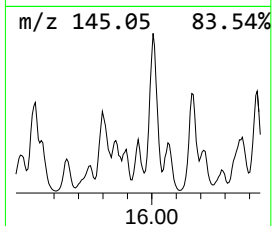
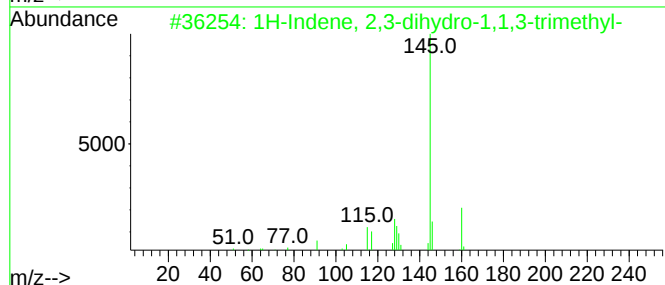
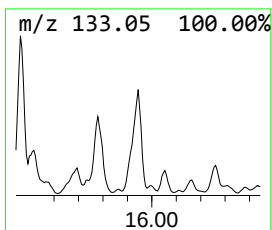
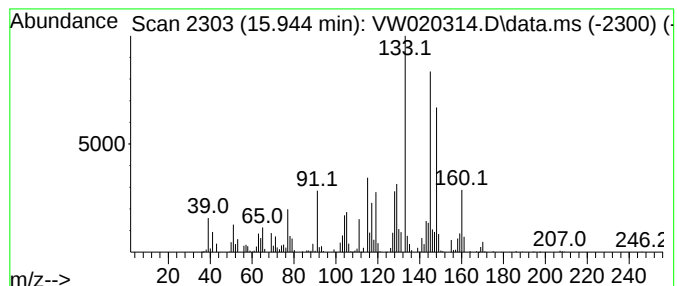
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 63 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.944	13.46 ug/L	278750	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	87
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	62
3			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	46
4			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	46
5			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

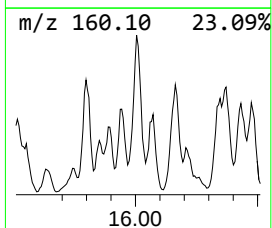
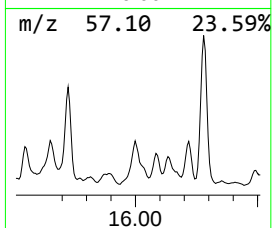
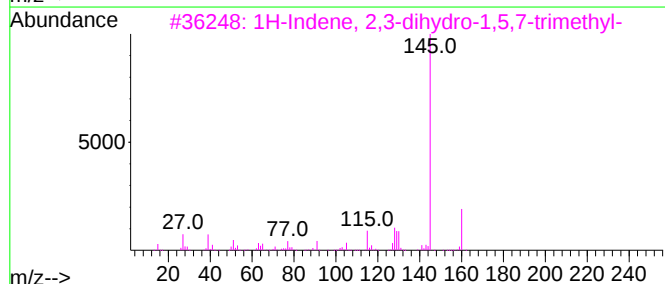
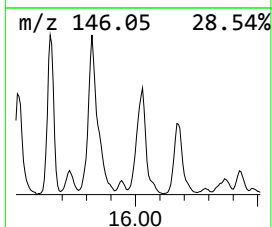
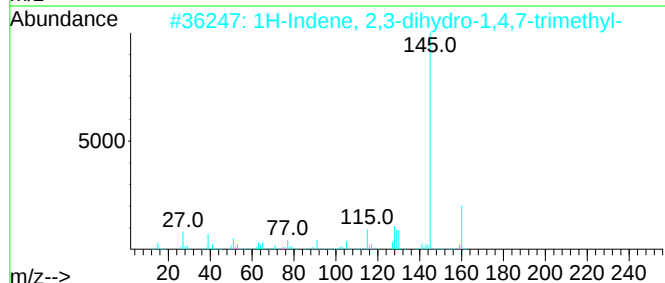
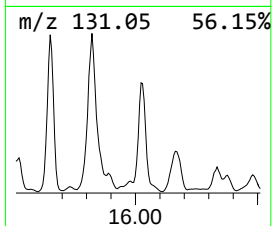
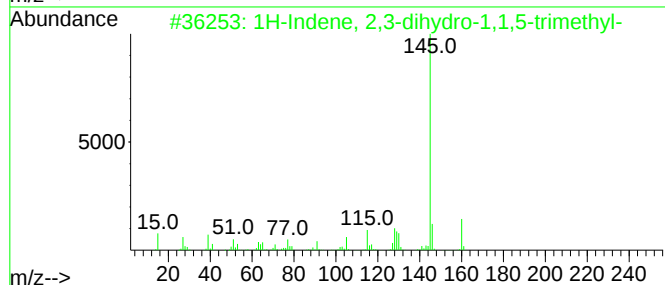
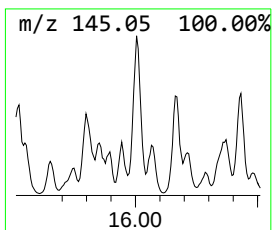
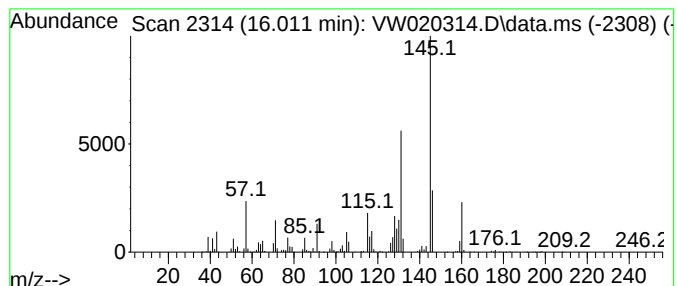
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 64 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.011	51.77 ug/L	1072400	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	70
2			1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	64
3			1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	64
4			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	64
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

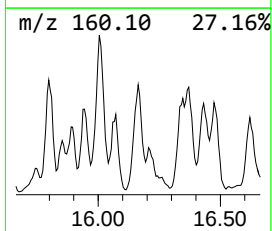
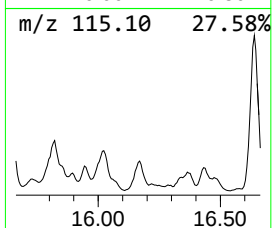
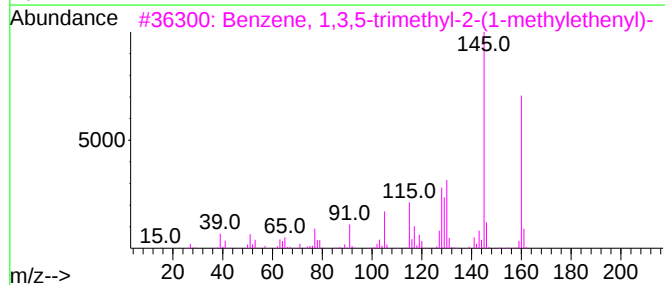
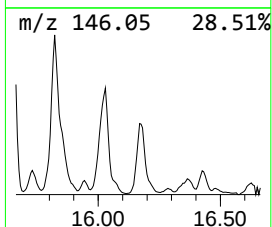
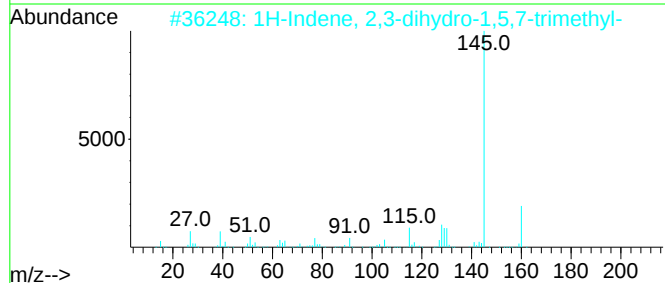
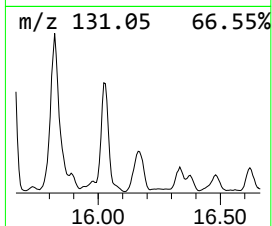
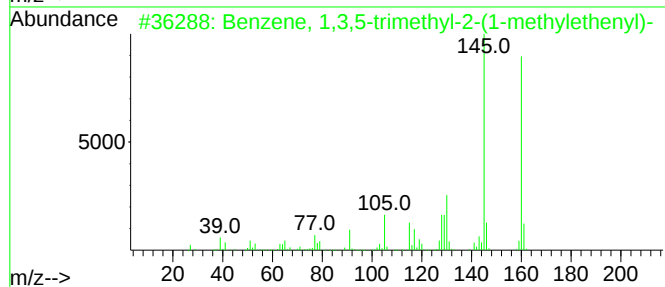
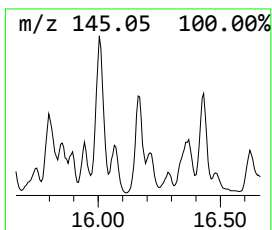
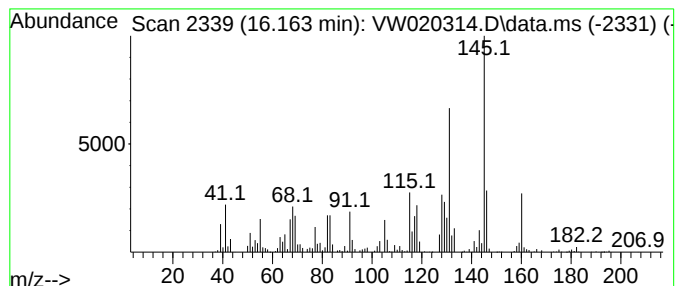
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 65 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.163	52.44 ug/L	1086250	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	64
2			1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	60
3			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	58
4			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	49
5			1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

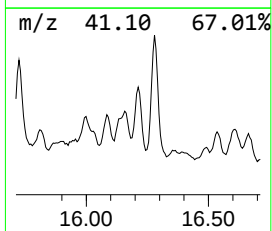
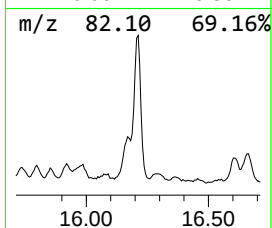
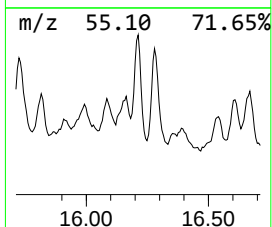
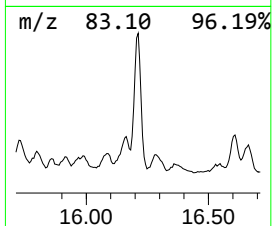
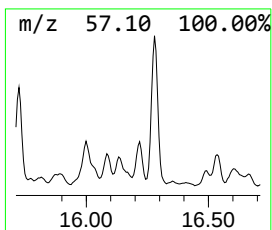
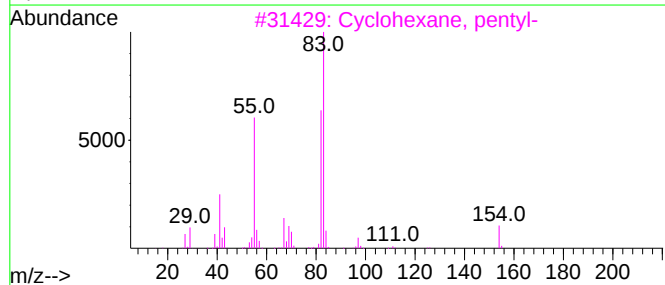
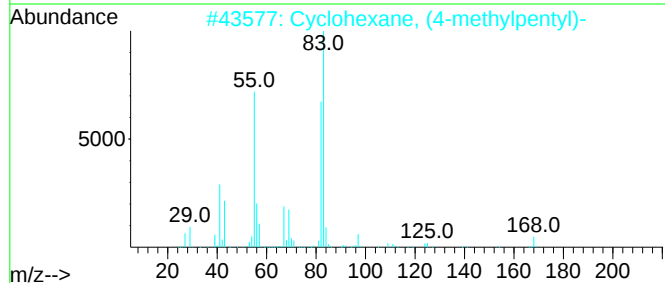
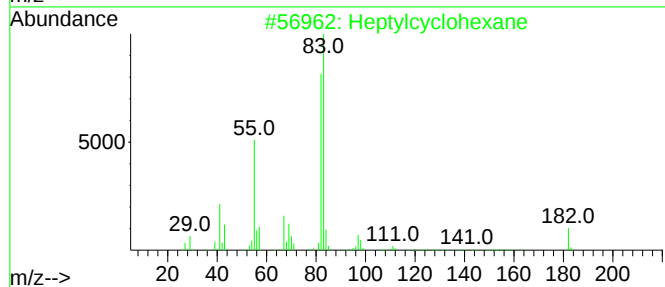
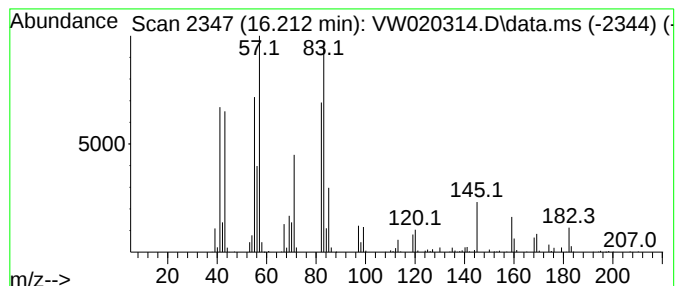
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 66 (DEL) Alkane: Cyclic16.212 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.212	27.83 ug/L	576515	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptylcyclohexane	182	C13H26	005617-41-4	43
2			Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	43
3			Cyclohexane, pentyl-	154	C11H22	004292-92-6	38
4			3-Undecene, 5-methyl-	168	C12H24	1000061-84-1	38
5			3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

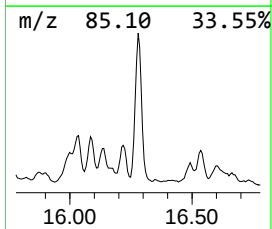
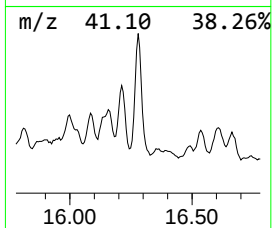
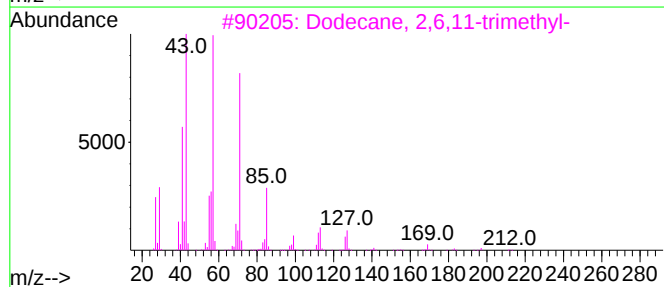
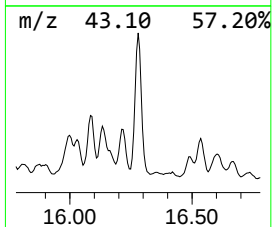
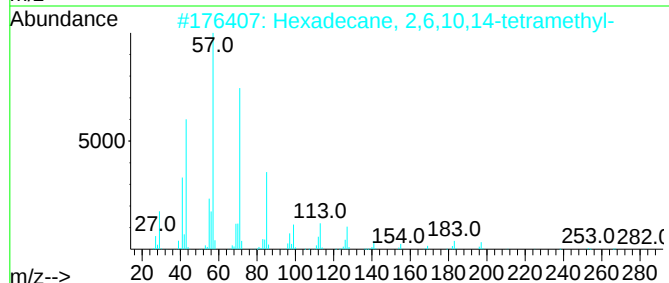
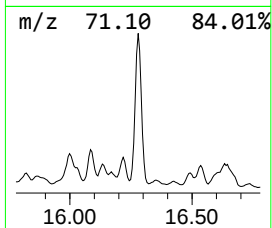
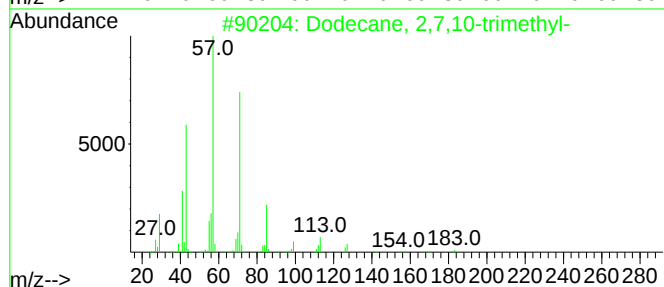
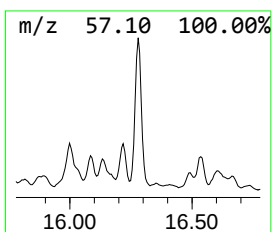
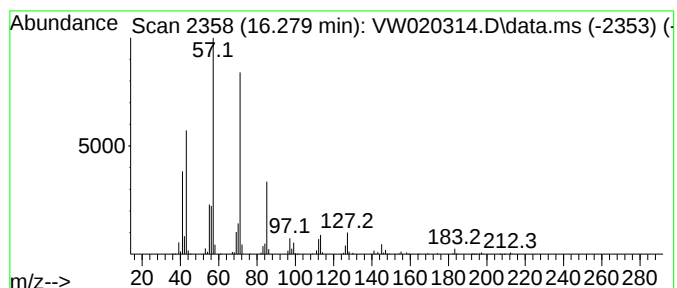
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 67 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.279	53.89 ug/L	1116150	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
2		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
4		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
5		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020314.D
Acq On : 06 Oct 2021 14:12
Operator : SY/VA
Sample : M3974-01
Misc : 5.14g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7

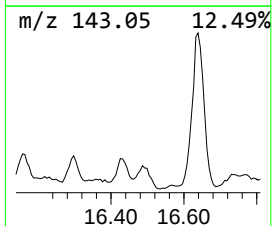
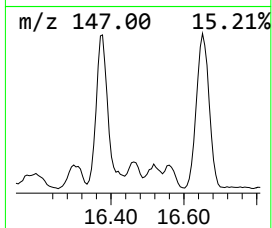
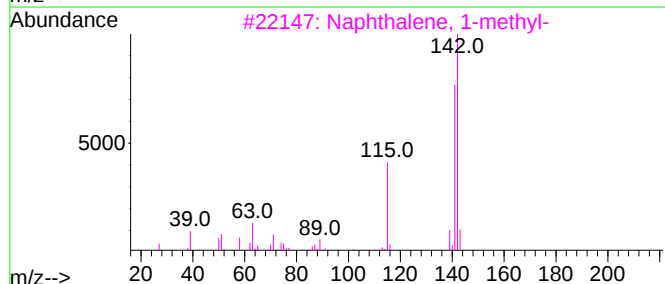
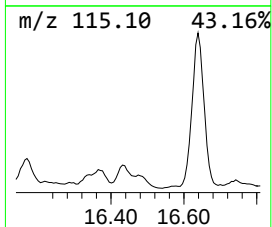
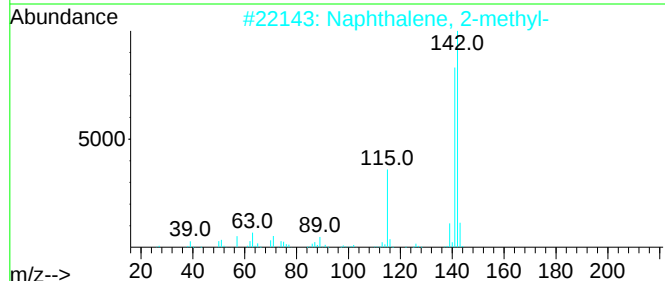
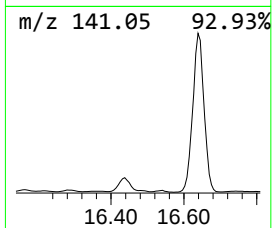
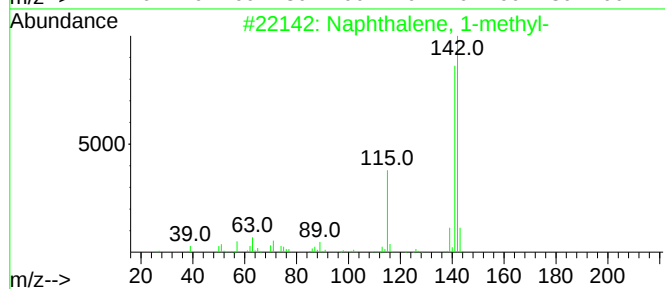
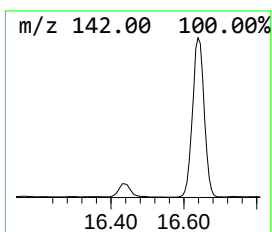
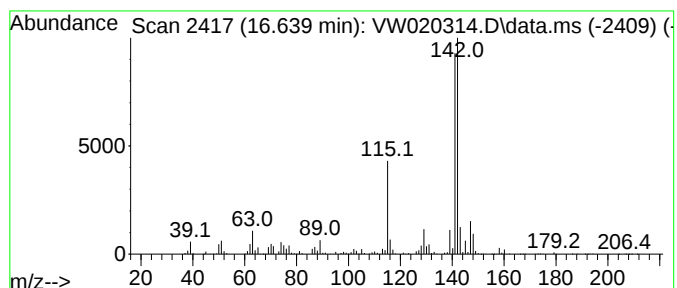
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 68 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.639	138.43 ug/L	2867290	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
4			Benzocycloheptatriene	142	C11H10	000264-09-5	93
5			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020314.D
 Acq On : 06 Oct 2021 14:12
 Operator : SY/VA
 Sample : M3974-01
 Misc : 5.14g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW8Y7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
 Quant Title : SFAM01.0

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

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	8.159	2.1	ug/L	57656	1	8.841	695841	25.0
(DEL) Alkane: C...	8.433	2.0	ug/L	55634	1	8.841	695841	25.0
(DEL) Alkane: C...	8.579	3.0	ug/L	83191	1	8.841	695841	25.0
(DEL) Alkane: S...	8.695	4.0	ug/L	110933	1	8.841	695841	25.0
(DEL) Alkane: C...	9.518	2.0	ug/L	54638	1	8.841	695841	25.0
(DEL) Alkane: C...	9.610	2.1	ug/L	58814	1	8.841	695841	25.0
(DEL) Alkane: C...	9.750	3.3	ug/L	91281	1	8.841	695841	25.0
(DEL) Alkane: S...	9.957	5.2	ug/L	144047	1	8.841	695841	25.0
(DEL) Alkane: S...	10.097	5.1	ug/L	141998	1	8.841	695841	25.0
(DEL) Alkane: S...	10.506	10.5	ug/L	298029	2	11.634	707832	25.0
(DEL) Alkane: C...	10.664	5.0	ug/L	140359	2	11.634	707832	25.0
(DEL) Alkane: C...	10.756	5.0	ug/L	140957	2	11.634	707832	25.0
(DEL) Alkane: S...	11.103	2.1	ug/L	58690	2	11.634	707832	25.0
(DEL) Alkane: C...	11.177	5.6	ug/L	157522	2	11.634	707832	25.0
(DEL) Alkane: C...	11.231	8.2	ug/L	233429	2	11.634	707832	25.0
(DEL) Alkane: S...	11.335	3.6	ug/L	100850	2	11.634	707832	25.0
(DEL) Alkane: S...	11.414	5.9	ug/L	167239	2	11.634	707832	25.0
(DEL) Alkane: S...	11.512	6.0	ug/L	169144	2	11.634	707832	25.0
(DEL) Alkane: S...	12.249	8.3	ug/L	233831	2	11.634	707832	25.0
1H-Indene, octa...	12.341	11.9	ug/L	335486	2	11.634	707832	25.0
(DEL) Alkane: S...	12.536	4.6	ug/L	130019	2	11.634	707832	25.0
(DEL) Alkane: C...	12.780	15.8	ug/L	327888	3	13.560	517838	25.0
Benzene, 1-ethy...	13.103	77.4	ug/L	1603740	3	13.560	517838	25.0
(DEL) Alkane: S...	13.164	20.6	ug/L	426405	3	13.560	517838	25.0
(DEL) Alkane: S...	13.341	5.4	ug/L	112149	3	13.560	517838	25.0
(DEL) Alkane: C...	13.444	27.8	ug/L	575738	3	13.560	517838	25.0
unknown-01	13.487	14.5	ug/L	301034	3	13.560	517838	25.0
(DEL) Alkane: S...	13.621	3.9	ug/L	81664	3	13.560	517838	25.0
Benzene, 1,3-di...	13.719	35.6	ug/L	738374	3	13.560	517838	25.0
Indane	13.755	57.7	ug/L	1196040	3	13.560	517838	25.0
2-Tolylloxirane	13.798	22.6	ug/L	469011	3	13.560	517838	25.0
Benzene, 1-meth...	13.944	24.4	ug/L	505798	3	13.560	517838	25.0
Benzene, 2-ethy...	14.011	47.4	ug/L	981984	3	13.560	517838	25.0
p-Cymene	14.097	82.6	ug/L	1711760	3	13.560	517838	25.0
3-Phenylbut-1-ene	14.206	126.3	ug/L	2615720	3	13.560	517838	25.0
unknown-02	14.267	11.5	ug/L	238118	3	13.560	517838	25.0
o-Cymene	14.341	56.3	ug/L	1166970	3	13.560	517838	25.0
Succinic acid, ...	14.389	41.7	ug/L	863770	3	13.560	517838	25.0
1,3-Cyclopentad...	14.420	57.4	ug/L	1189170	3	13.560	517838	25.0
Benzene, 1-meth...	14.456	49.6	ug/L	1028220	3	13.560	517838	25.0
Benzene, 1,3-di...	14.499	31.6	ug/L	655143	3	13.560	517838	25.0
Naphthalene, de...	14.542	28.6	ug/L	593480	3	13.560	517838	25.0
1H-Indene, 2,3-...	14.688	67.4	ug/L	1396790	3	13.560	517838	25.0
3,5-Dimethylben...	14.725	28.4	ug/L	587543	3	13.560	517838	25.0
Benzene, 2-ethe...	14.804	261.5	ug/L	5416200	3	13.560	517838	25.0
Naphthalene, 1,...	14.956	11.7	ug/L	242046	3	13.560	517838	25.0
Benzene, (1,2-d...	15.060	137.6	ug/L	2850310	3	13.560	517838	25.0
1H-Indene, 2,3-...	15.176	145.0	ug/L	3003350	3	13.560	517838	25.0
(DEL) Alkane: S...	15.243	50.4	ug/L	1043450	3	13.560	517838	25.0
(DEL) Alkane: S...	15.322	99.6	ug/L	2063490	3	13.560	517838	25.0
Benzene, (1-eth...	15.468	46.0	ug/L	952134	3	13.560	517838	25.0
1H-Indene, 2,3-...	15.651	84.1	ug/L	1741740	3	13.560	517838	25.0

(DEL) Alkane: S...	15.724	42.0	ug/L	870875	3	13.560	517838	25.0
1H-Indene, 2,3-...	15.822	51.2	ug/L	1060320	3	13.560	517838	25.0
1H-Indene, 2,3-...	15.944	13.5	ug/L	278750	3	13.560	517838	25.0
1H-Indene, 2,3-...	16.011	51.8	ug/L	1072400	3	13.560	517838	25.0
Benzene, 1,3,5-...	16.163	52.4	ug/L	1086250	3	13.560	517838	25.0
(DEL) Alkane: C...	16.212	27.8	ug/L	576515	3	13.560	517838	25.0
(DEL) Alkane: S...	16.279	53.9	ug/L	1116150	3	13.560	517838	25.0
Naphthalene, 1-...	16.639	138.4	ug/L	2867290	3	13.560	517838	25.0

Instrument :
MSVOA_W
ClientSampleId :
EW8Y7