

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020323.D
 Acq On : 06 Oct 2021 19:23
 Operator : SY/VA
 Sample : M4001-07
 Misc : 6.18g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW920

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: VW020323.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	80	rVB	47167	77627	9.18%	0.781%
2	2.812	143	149	154	rBV	9871	17880	2.11%	0.180%
3	2.879	154	160	170	rVV	32738	69129	8.17%	0.695%
4	3.385	237	243	250	rVB4	920	2538	0.30%	0.026%
5	4.019	335	347	359	rBV3	58627	173795	20.55%	1.748%
6	4.135	359	366	371	rBV	2618	6072	0.72%	0.061%
7	4.208	371	378	386	rVB4	1798	4134	0.49%	0.042%
8	4.379	399	406	410	rVV2	1053	2591	0.31%	0.026%
9	4.678	440	455	468	rVV	8076	25324	2.99%	0.255%
10	4.909	480	493	508	rVB4	18763	70344	8.32%	0.708%
11	5.946	655	663	670	rVB4	1659	4447	0.53%	0.045%
12	6.220	697	708	714	rBV3	2460	6891	0.81%	0.069%
13	6.287	714	719	728	rVB3	2107	5864	0.69%	0.059%
14	7.092	840	851	856	rBV	4236	13109	1.55%	0.132%
15	7.171	856	864	875	rVB6	5775	20358	2.41%	0.205%
16	7.531	919	923	931	rVB5	688	1809	0.21%	0.018%
17	7.647	931	942	959	rBV	163637	408256	48.27%	4.106%
18	7.878	970	980	988	rBV	19215	47143	5.57%	0.474%
19	8.281	1035	1046	1060	rBV2	262116	845772	100.00%	8.507%
20	8.402	1061	1066	1081	rVB7	4295	15372	1.82%	0.155%
21	8.549	1088	1090	1105	rVB6	1710	5896	0.70%	0.059%
22	8.707	1109	1116	1125	rVB	3785	8091	0.96%	0.081%
23	8.841	1130	1138	1154	rBV	377107	736865	87.12%	7.411%
24	9.091	1169	1179	1190	rVB	75392	152424	18.02%	1.533%
25	9.274	1201	1209	1224	rBV	250750	512339	60.58%	5.153%
26	9.433	1231	1235	1244	rVB	2466	4563	0.54%	0.046%
27	9.610	1255	1264	1270	rBV2	4077	8346	0.99%	0.084%
28	9.750	1281	1287	1294	rBV2	6957	12666	1.50%	0.127%
29	9.847	1299	1303	1309	rBV4	1989	3644	0.43%	0.037%
30	9.945	1314	1319	1325	rVB3	1802	3338	0.39%	0.034%
31	10.036	1325	1334	1339	rBV	51998	95179	11.25%	0.957%
32	10.079	1339	1341	1344	rVV3	3402	5154	0.61%	0.052%
33	10.116	1344	1347	1354	rVB2	5482	10153	1.20%	0.102%
34	10.207	1356	1362	1374	rVB6	3300	7720	0.91%	0.078%
35	10.323	1374	1381	1389	rBV	137440	243106	28.74%	2.445%
36	10.433	1395	1399	1404	rVB4	1731	3101	0.37%	0.031%

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Stop Thrs : 0

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

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

37	10.487	1404	1408	1417	rVB6	3231	7709	0.91%	0.078%
38	10.579	1417	1423	1428	rBV	36861	65711	7.77%	0.661%
39	10.622	1428	1430	1433	rVV2	6917	9154	1.08%	0.092%
40	10.664	1433	1437	1442	rVV2	8592	15815	1.87%	0.159%
41	10.701	1442	1443	1448	rVV2	2074	2550	0.30%	0.026%
42	10.756	1448	1452	1458	rVV6	2023	4136	0.49%	0.042%
43	10.811	1458	1461	1464	rVB3	1458	1975	0.23%	0.020%
44	10.865	1464	1470	1474	rBV2	10479	19001	2.25%	0.191%
45	10.933	1474	1481	1490	rVB5	5419	13358	1.58%	0.134%
46	11.030	1492	1497	1500	rBV6	1807	3327	0.39%	0.033%
47	11.109	1506	1510	1513	rBV3	2965	4679	0.55%	0.047%
48	11.146	1513	1516	1520	rVV5	2862	4310	0.51%	0.043%
49	11.231	1523	1530	1535	rVV	27026	48577	5.74%	0.489%
50	11.286	1535	1539	1542	rVV3	4198	6772	0.80%	0.068%
51	11.329	1542	1546	1551	rVV2	7853	13571	1.60%	0.136%
52	11.378	1551	1554	1558	rVV3	1868	2666	0.32%	0.027%
53	11.432	1558	1563	1571	rVB2	11722	21873	2.59%	0.220%
54	11.512	1571	1576	1581	rBV3	1862	3956	0.47%	0.040%
55	11.634	1588	1596	1613	rBV	348747	611027	72.24%	6.146%
56	11.768	1613	1618	1622	rBV3	11166	18099	2.14%	0.182%
57	11.823	1622	1627	1631	rBV3	7385	14725	1.74%	0.148%
58	11.902	1632	1640	1647	rVB5	11698	37760	4.46%	0.380%
59	11.975	1647	1652	1659	rBV4	12715	29982	3.54%	0.302%
60	12.036	1659	1662	1670	rVB6	5780	13240	1.57%	0.133%
61	12.140	1670	1679	1685	rBV2	26769	67847	8.02%	0.682%
62	12.249	1685	1697	1702	rVB2	29495	65352	7.73%	0.657%
63	12.365	1702	1716	1722	rBV	89149	209040	24.72%	2.103%
64	12.451	1722	1730	1737	rBV6	18767	58322	6.90%	0.587%
65	12.615	1752	1757	1761	rBV5	13536	22790	2.69%	0.229%
66	12.694	1761	1770	1776	rBV	169437	307698	36.38%	3.095%
67	12.780	1776	1784	1790	rVB	174195	308959	36.53%	3.107%
68	12.859	1790	1797	1803	rBV5	39880	102354	12.10%	1.029%
69	12.950	1803	1812	1823	rVV9	65655	248432	29.37%	2.499%
70	13.078	1829	1833	1837	rVB3	44352	65562	7.75%	0.659%
71	13.127	1837	1841	1843	rBV4	16501	25687	3.04%	0.258%
72	13.164	1843	1847	1859	rVB4	92576	218599	25.85%	2.199%
73	13.261	1859	1863	1865	rBV3	33308	46858	5.54%	0.471%
74	13.292	1865	1868	1873	rVV3	41347	88100	10.42%	0.886%
75	13.341	1874	1876	1879	rVV2	35153	50852	6.01%	0.511%
76	13.377	1880	1882	1885	rVV4	29063	39483	4.67%	0.397%

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 Title : SFAM01.0

77	13.438	1886	1892	1896	rVV6	48898	122729	14.51%	1.234%
78	13.481	1896	1899	1903	rVV3	45521	67807	8.02%	0.682%
79	13.554	1903	1911	1919	rVB	314641	579621	68.53%	5.830%
80	13.621	1919	1922	1927	rBV4	28383	51975	6.15%	0.523%
81	13.694	1929	1934	1939	rBV	148580	244404	28.90%	2.458%
82	13.859	1949	1961	1968	rBV3	252758	743681	87.93%	7.480%
83	13.920	1969	1971	1976	rVB3	28058	39925	4.72%	0.402%
84	14.011	1977	1986	1992	rBV3	157448	354198	41.88%	3.562%
85	14.261	2024	2027	2033	rVB6	36144	61318	7.25%	0.617%
86	14.316	2034	2036	2040	rVV3	24401	41069	4.86%	0.413%
87	14.383	2042	2047	2051	rVV2	108502	182829	21.62%	1.839%
88	14.432	2052	2055	2061	rVB5	34761	56883	6.73%	0.572%
89	14.548	2069	2074	2079	rVB2	141142	216915	25.65%	2.182%
90	14.603	2080	2083	2088	rVB5	24679	35660	4.22%	0.359%
91	14.657	2089	2092	2095	rVB2	16563	21805	2.58%	0.219%
92	14.737	2102	2105	2110	rVV3	23650	37719	4.46%	0.379%
93	14.798	2112	2115	2118	rVV4	26084	48918	5.78%	0.492%
94	14.840	2118	2122	2131	rVB4	72403	159363	18.84%	1.603%
95	14.968	2139	2143	2146	rBV2	31011	50079	5.92%	0.504%
96	15.237	2184	2187	2197	rVB5	50110	107500	12.71%	1.081%
97	15.322	2197	2201	2208	rVB2	34201	62276	7.36%	0.626%
98	15.395	2209	2213	2217	rBV4	17959	36697	4.34%	0.369%
99	15.566	2237	2241	2248	rVB4	13112	28291	3.34%	0.285%
100	15.730	2263	2268	2277	rVB5	27060	59807	7.07%	0.602%

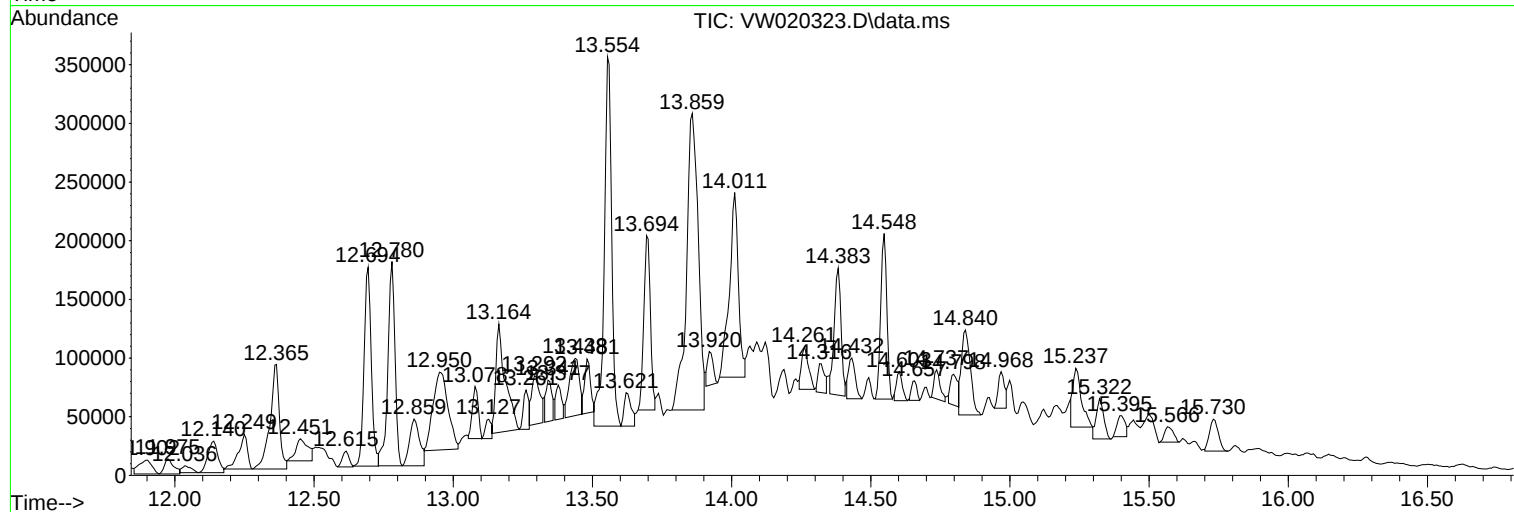
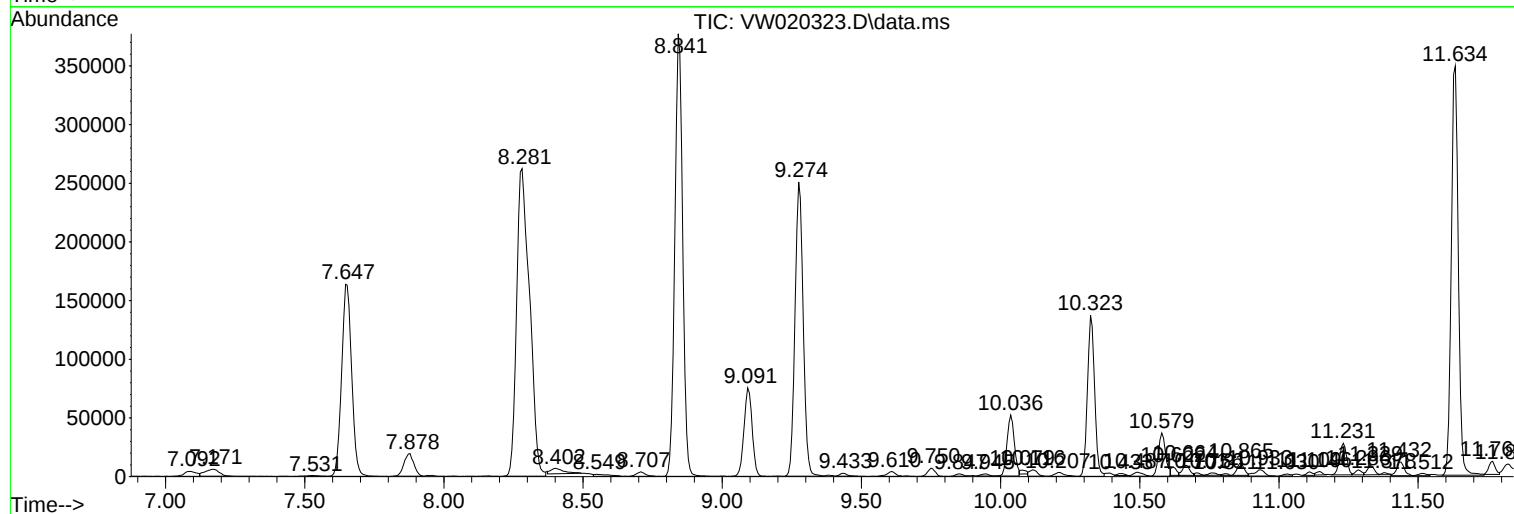
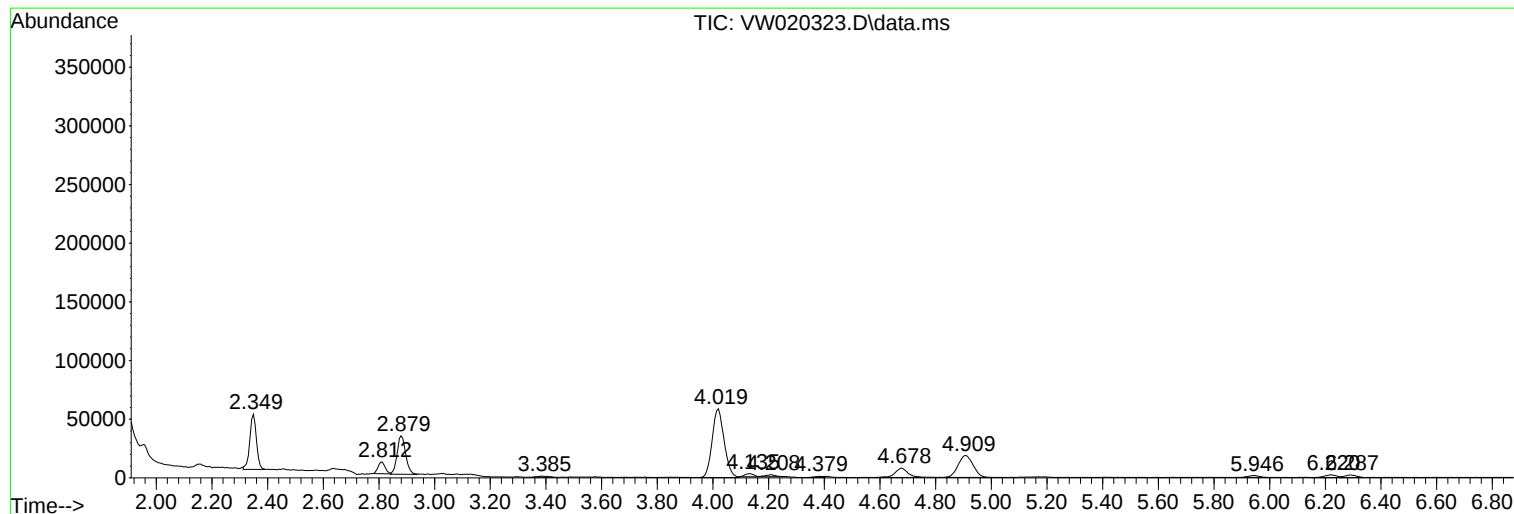
Sum of corrected areas: 9942417

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Instrument :
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EW920

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



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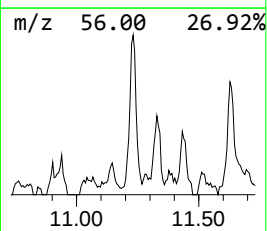
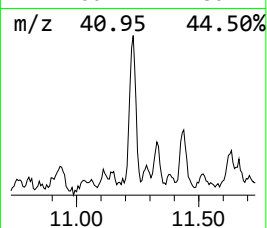
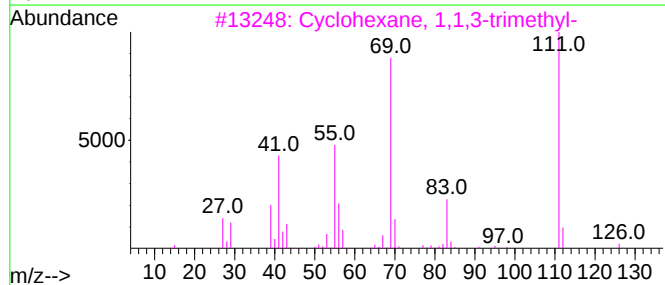
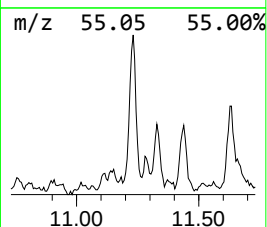
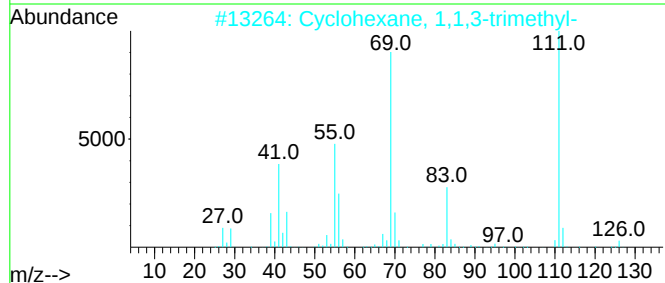
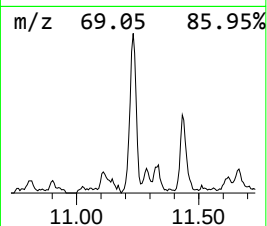
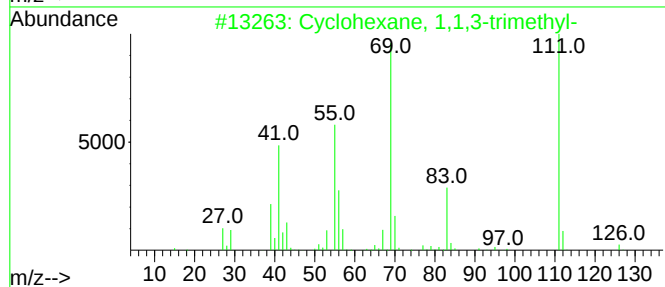
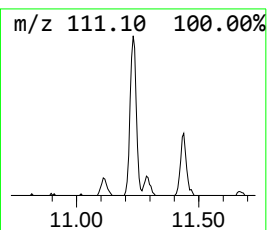
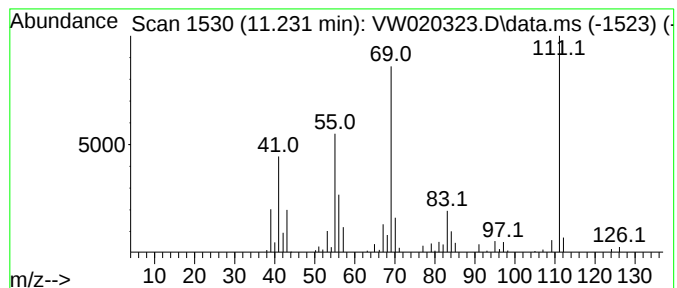
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Cyclic11.231 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.231	1.99 ug/L	48577	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	87
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	68
4			Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	64
5			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64



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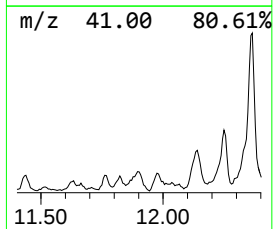
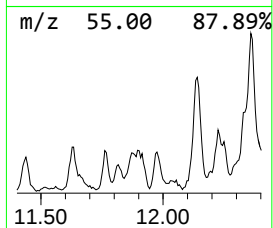
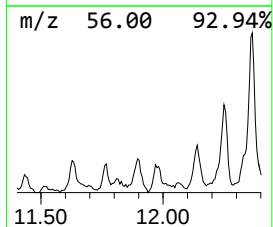
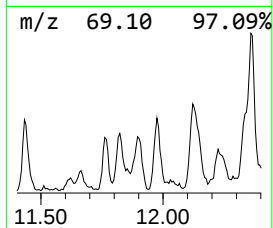
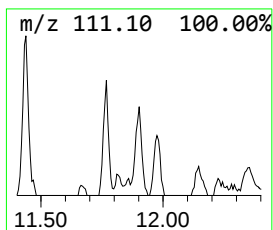
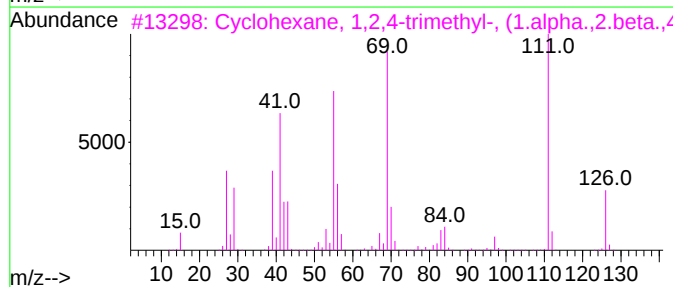
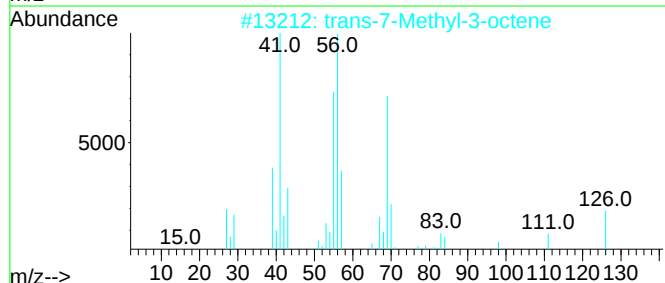
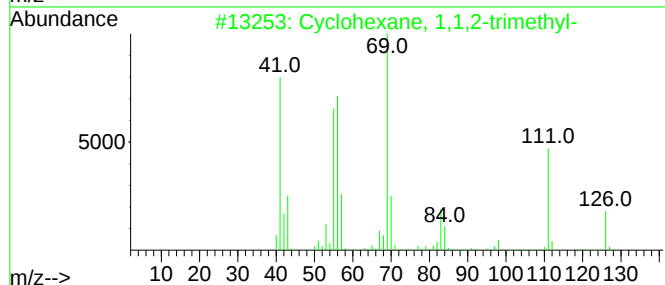
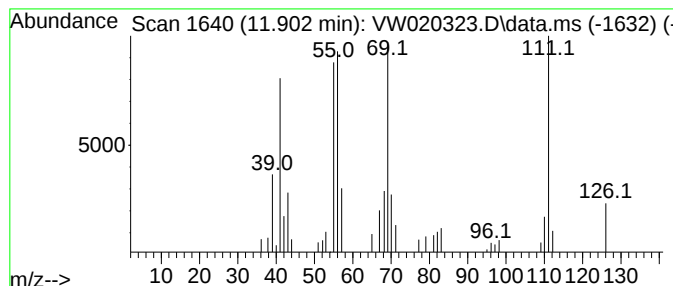
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Cyclic11.902 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.902	1.54 ug/L	37760	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	68
2			trans-7-Methyl-3-octene	126	C9H18	1000113-52-8	62
3			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	53
4			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	52
5			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	52



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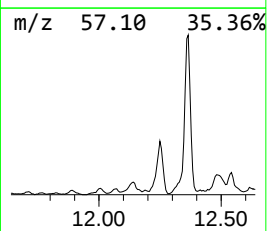
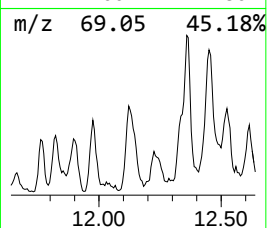
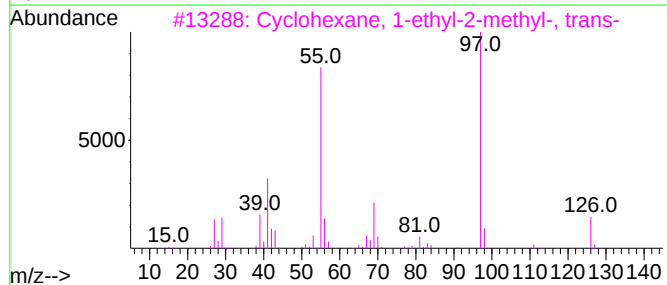
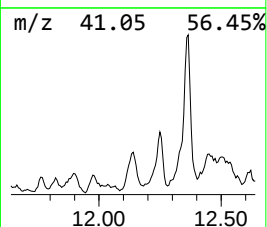
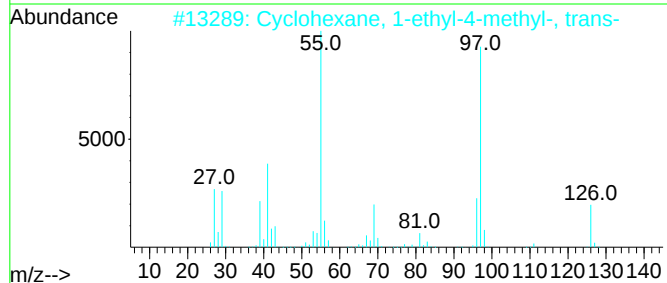
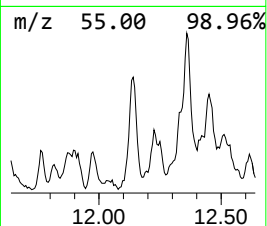
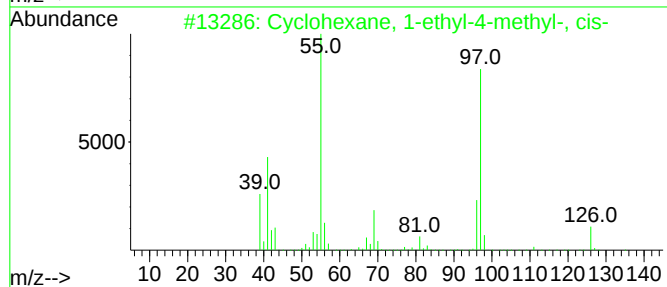
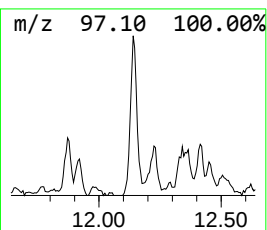
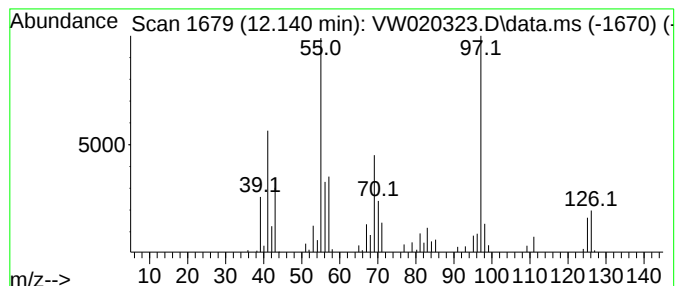
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Cyclic12.140 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.140	2.78 ug/L	67847	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	58
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	58
3			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	58
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	58
5			2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

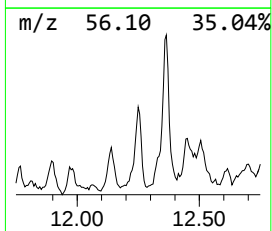
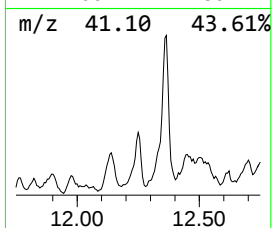
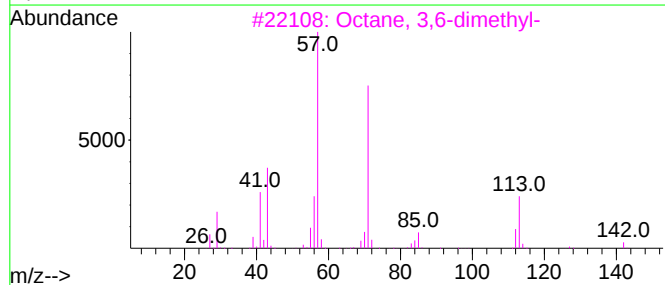
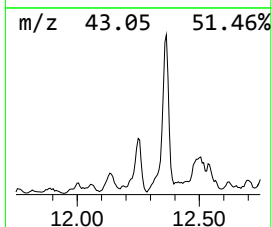
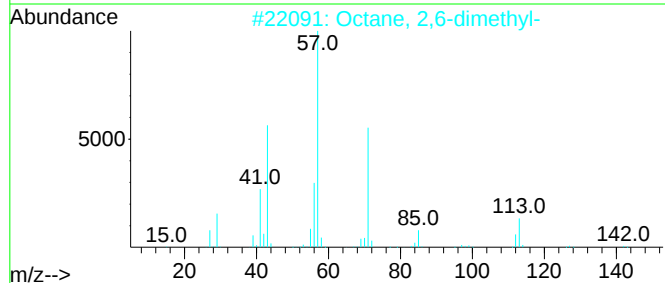
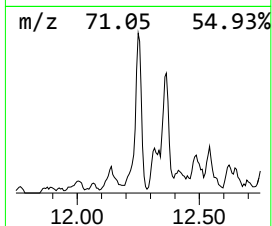
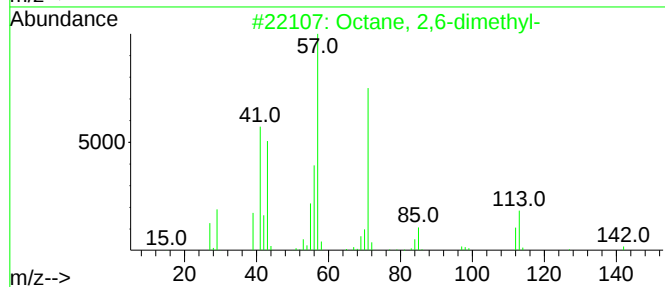
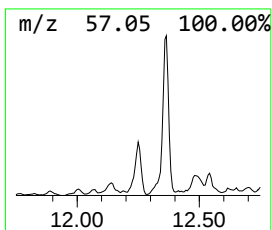
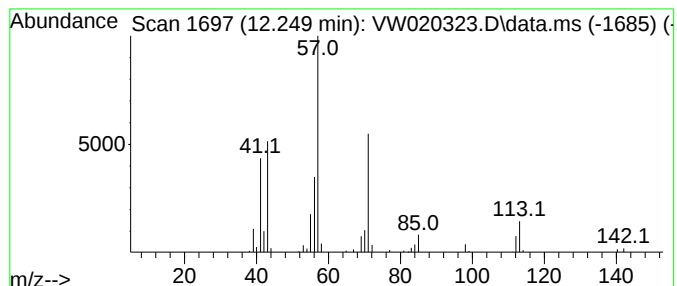
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.249	2.67 ug/L	65352	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	93
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
3			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
4			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	87
5			Nonane, 3-methyl-	142	C10H22	005911-04-6	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

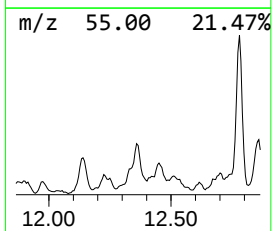
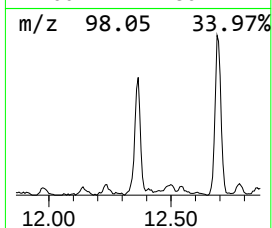
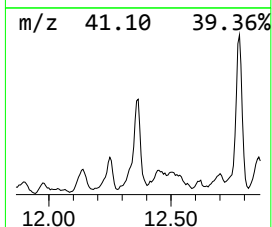
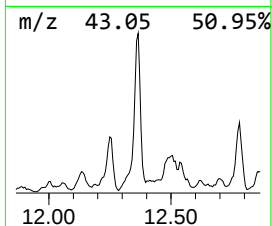
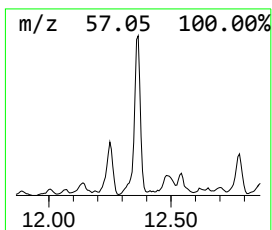
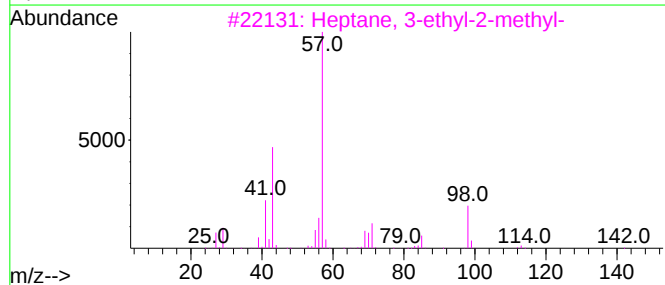
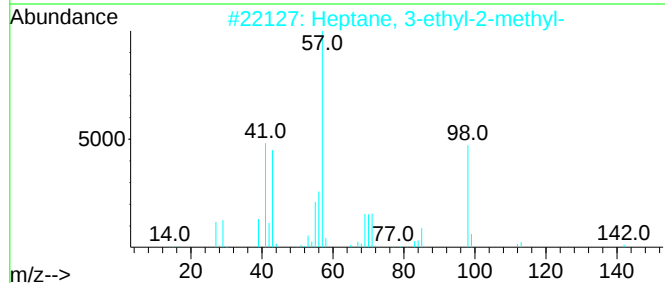
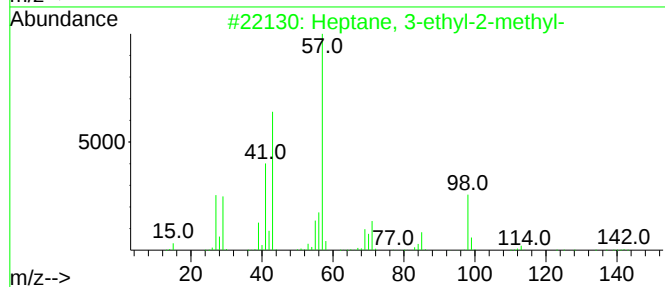
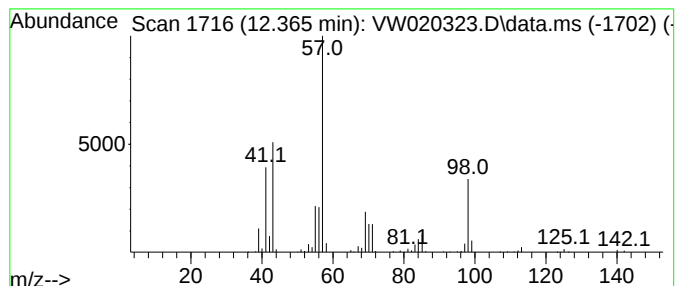
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.365	8.55 ug/L	209040	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	87
2		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	87
3		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	72
4		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	64
5		Carbonic acid, heptyl vinyl ester	186	C10H18O3	1010383-25-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

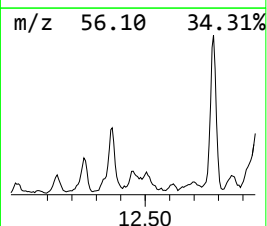
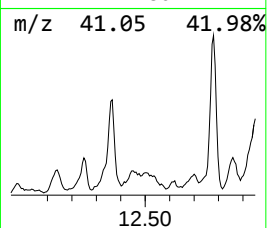
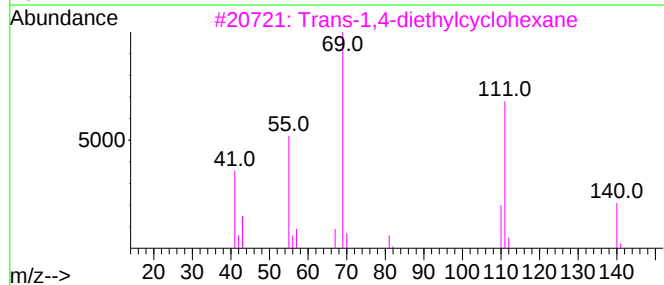
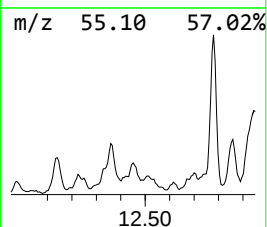
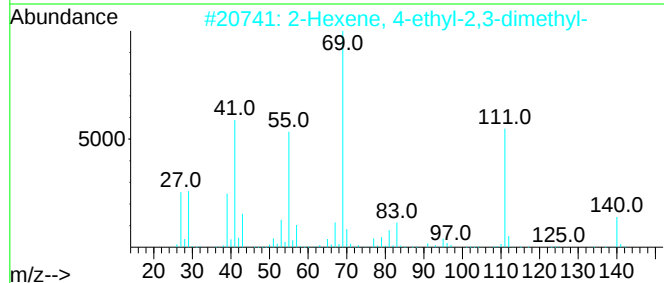
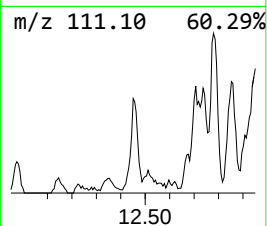
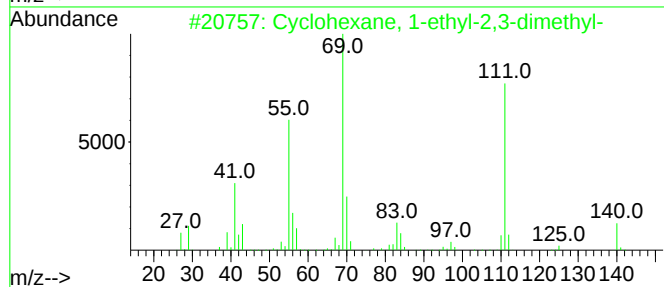
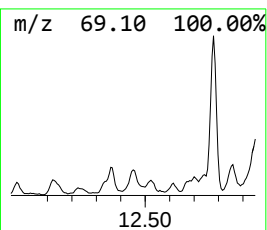
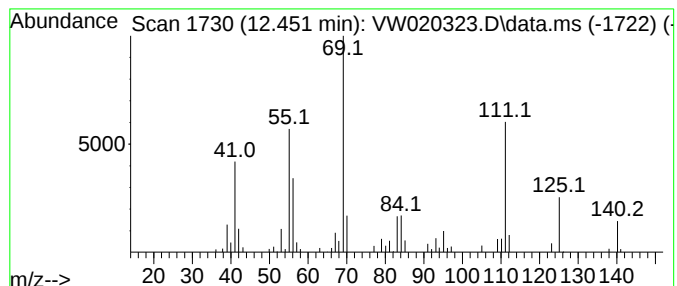
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Cyclic12.451 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	2.39 ug/L	58322	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	64
2			2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	58
3			Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	58
4			Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	53
5			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

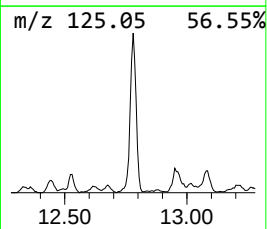
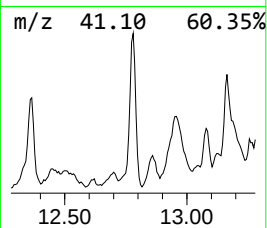
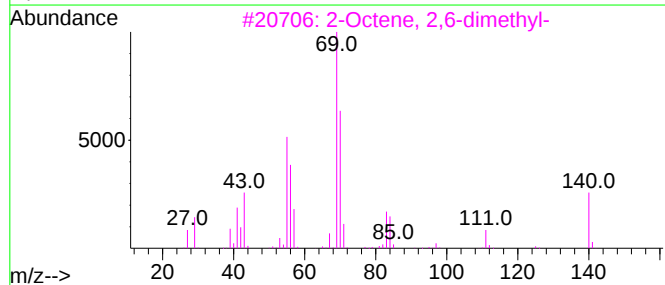
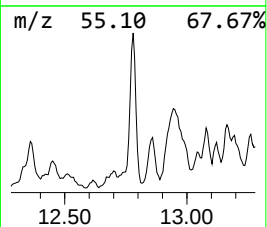
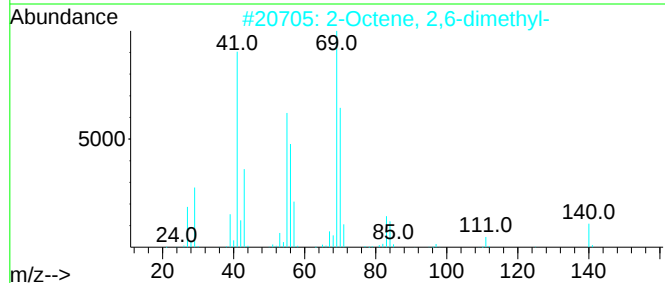
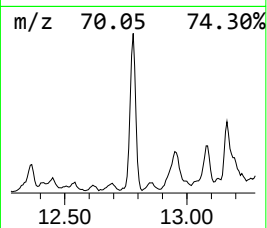
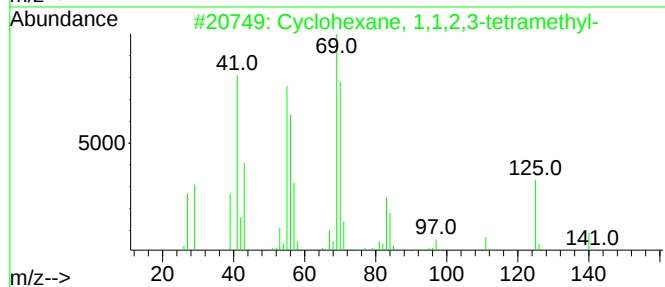
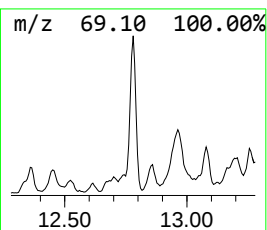
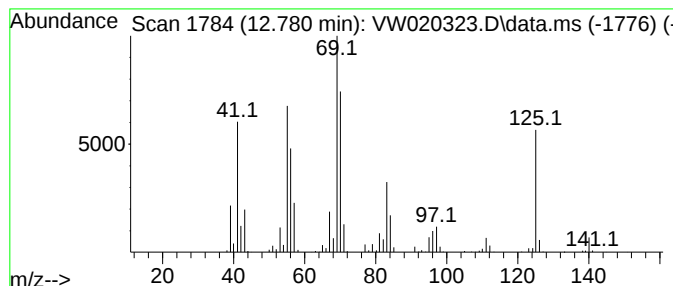
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic12.780 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	13.33 ug/L	308959	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	87
2			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	76
3			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	76
4			4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	58
5			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

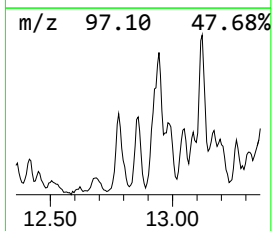
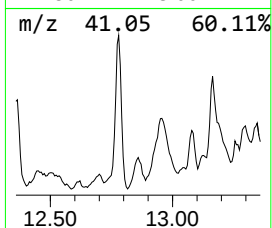
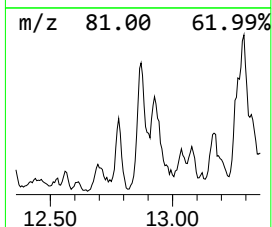
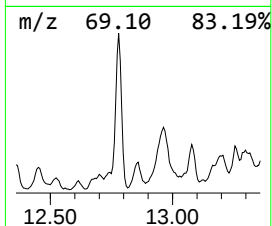
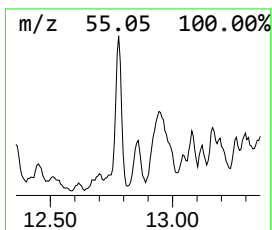
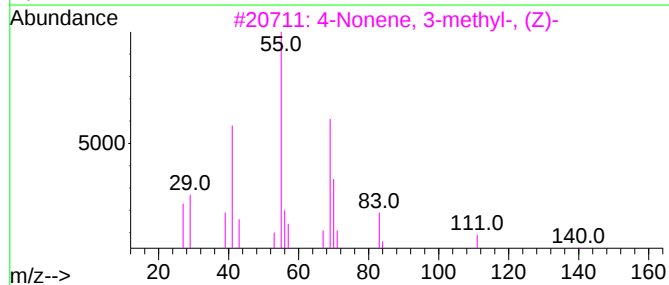
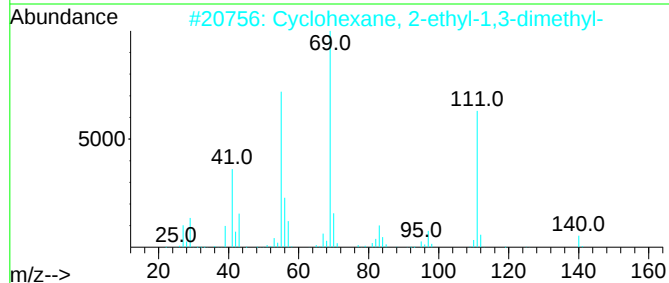
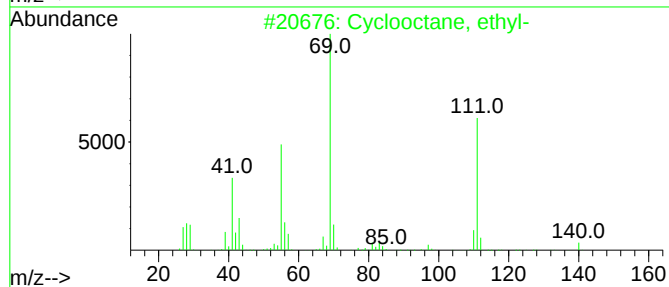
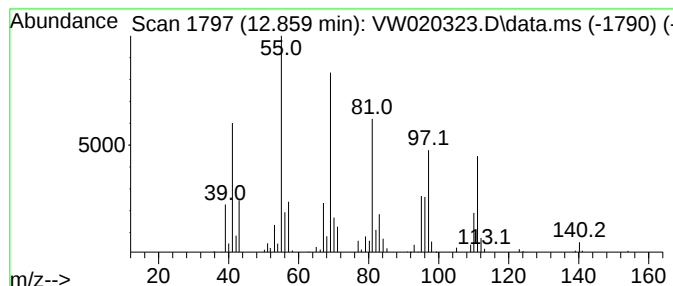
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Cyclic12.859 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	4.41 ug/L	102354	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclooctane, ethyl-	140	C10H20	013152-02-8	49
2			Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	49
3			4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	45
4			2-sec-Butyl-3-methyl-1-pentene	140	C10H20	075144-24-0	43
5			1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

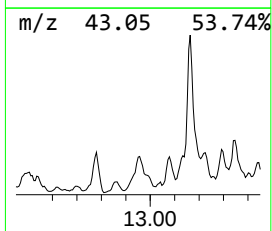
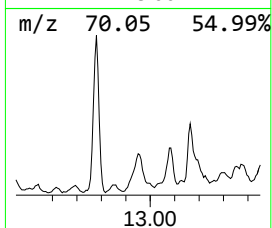
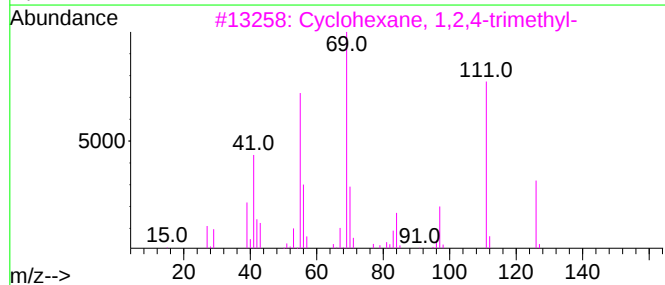
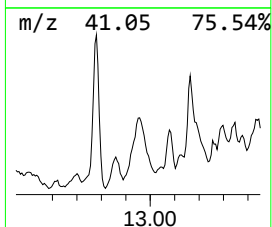
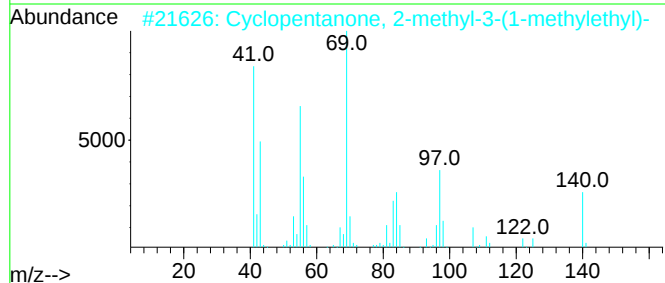
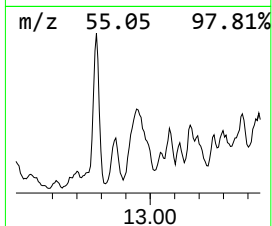
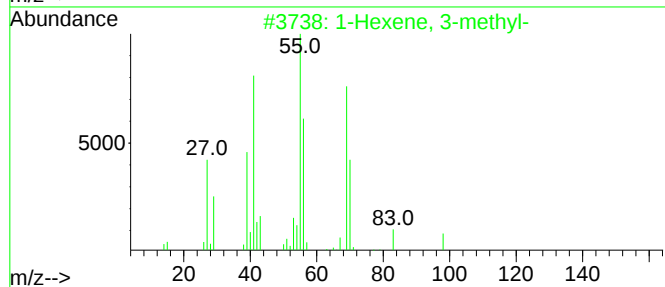
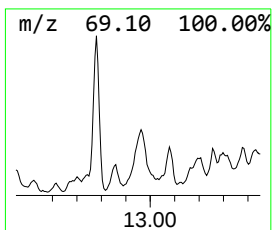
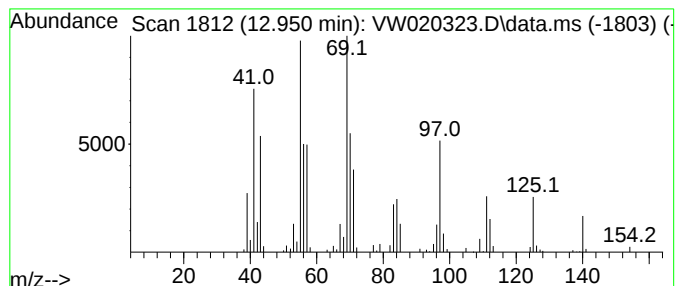
Instrument :
MSVOA_W
ClientSampleId :
EW920

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 3

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.950	10.72 ug/L	248432	1,4-Dichlorobenzene-d4			13.560
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1-Hexene, 3-methyl-		98	C7H14	003404-61-3	45
2	Cyclopentanone, 2-methyl-3-(1-me...		140	C9H16O	054549-81-4	43
3	Cyclohexane, 1,2,4-trimethyl-		126	C9H18	002234-75-5	43
4	cis-4-Decene		140	C10H20	019398-88-0	42
5	3-Hexene, 2,5-dimethyl-		112	C8H16	015910-22-2	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

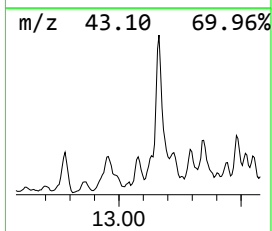
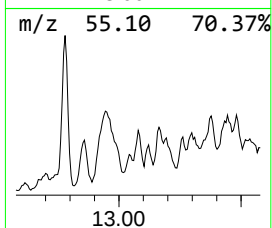
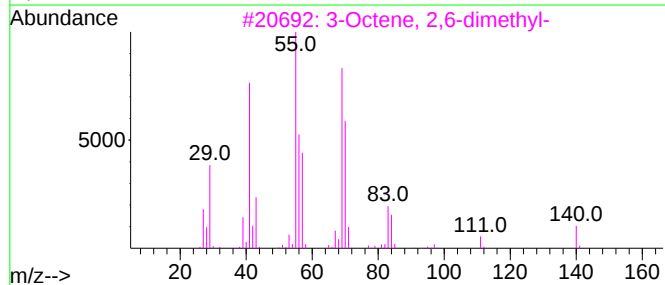
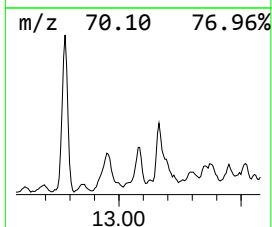
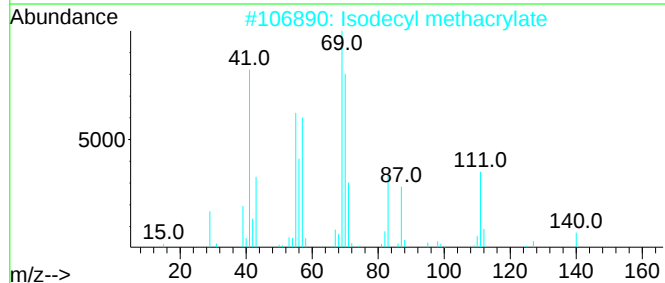
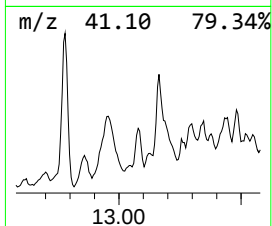
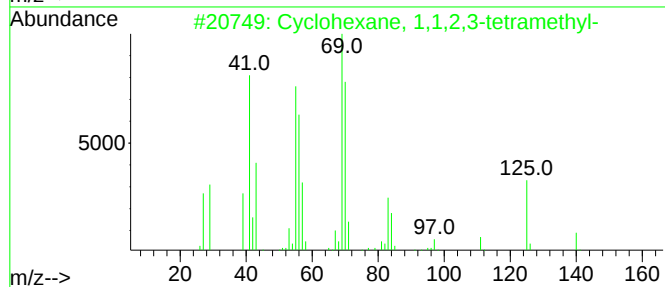
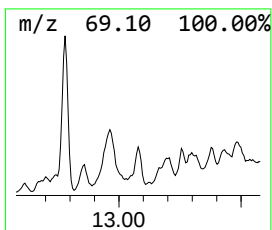
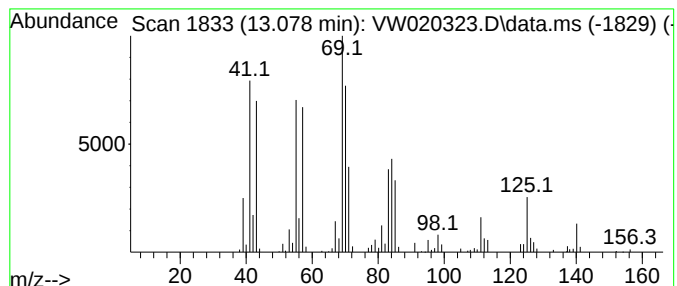
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Cyclic13.079 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.079	2.83 ug/L	65562	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	58
2		Isodecyl methacrylate	226	C14H26O2	029964-84-9	58
3		3-Octene, 2,6-dimethyl-	140	C10H20	006874-28-8	49
4		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	49
5		1-Decene	140	C10H20	000872-05-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

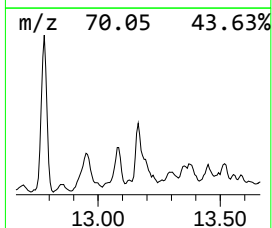
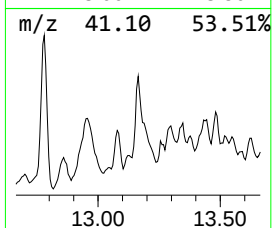
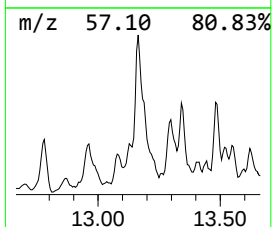
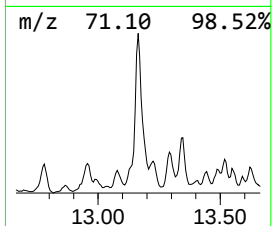
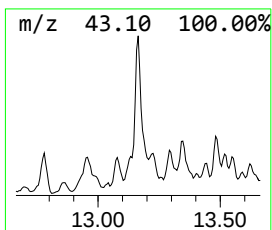
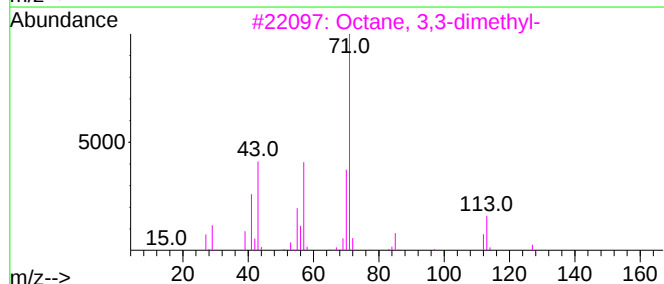
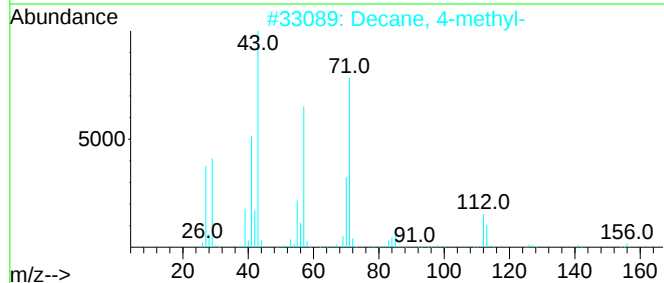
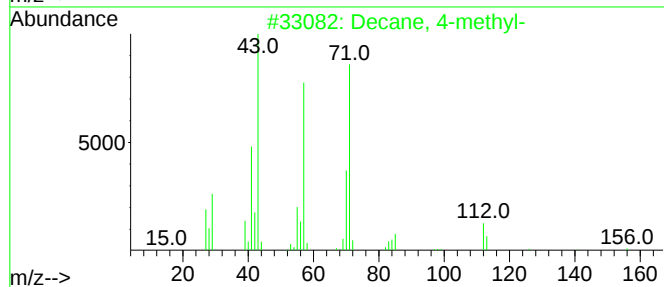
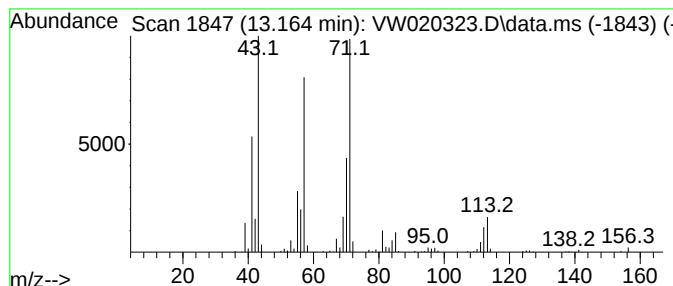
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	9.43 ug/L	218599	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 4-methyl-	156	C11H24	002847-72-5	87
2		Decane, 4-methyl-	156	C11H24	002847-72-5	83
3		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	59
4		Undecane, 4-methyl-	170	C12H26	002980-69-0	53
5		Dodecane, 4-methyl-	184	C13H28	006117-97-1	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

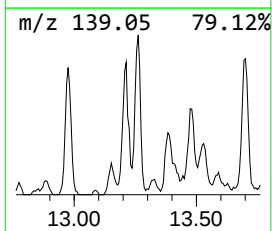
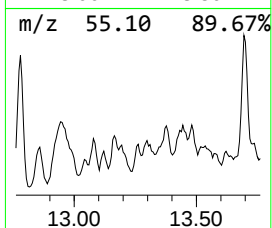
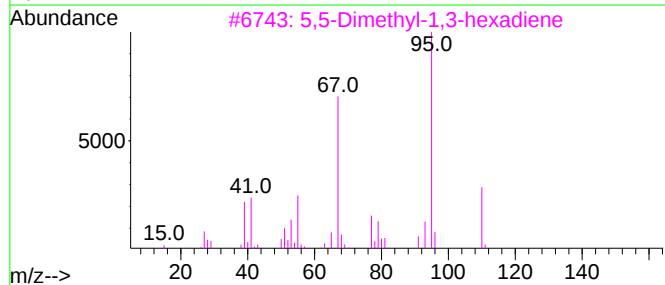
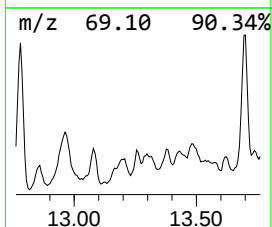
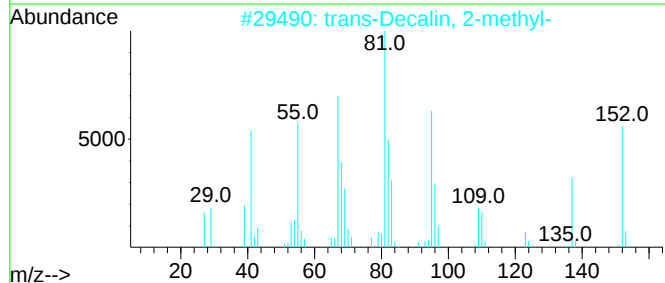
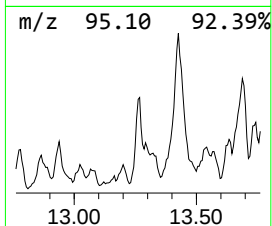
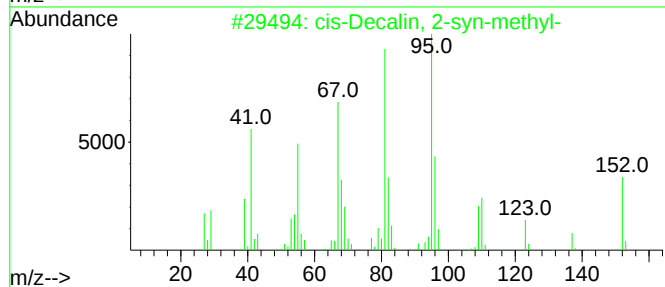
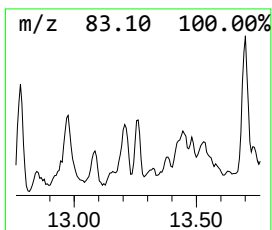
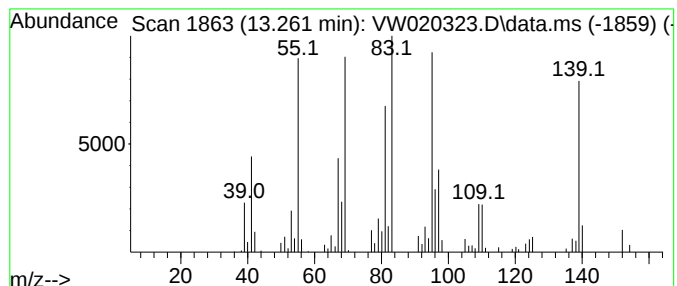
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Quant Title : SFAM01.0

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

Peak Number 13 unknown-01 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.261	2.02 ug/L	46858	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	38
2		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	38
3		5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	35
4		2,4-Hexadiene, 2,5-dimethyl-	110	C8H14	000764-13-6	35
5		5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

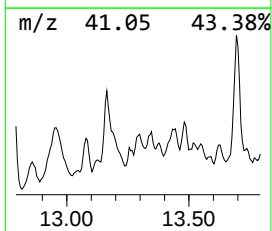
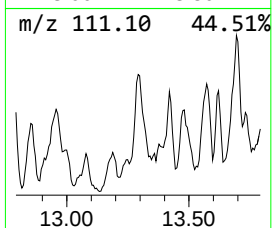
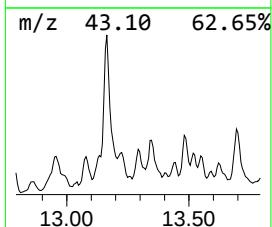
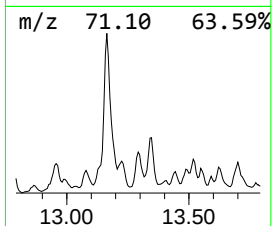
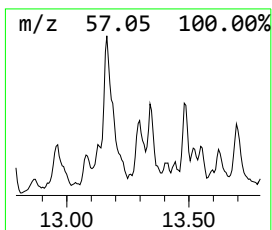
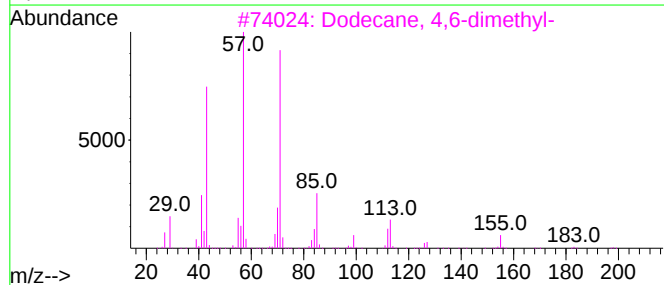
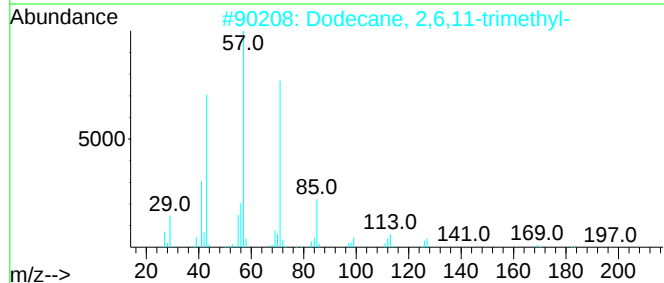
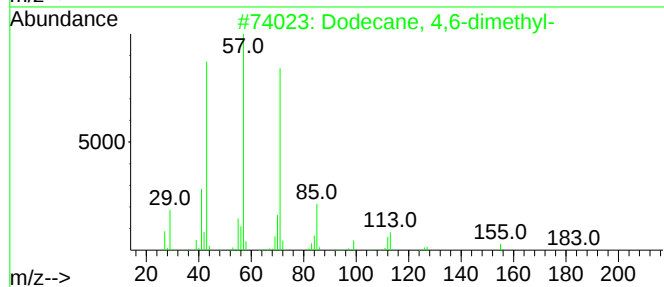
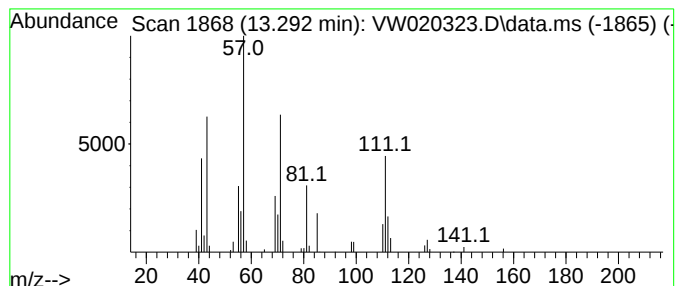
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	3.80 ug/L	88100	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	47
2		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	47
3		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	47
4		Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	43
5		Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

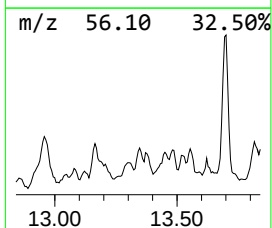
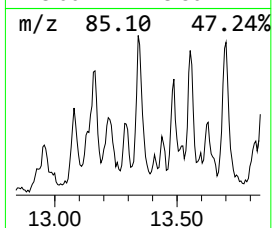
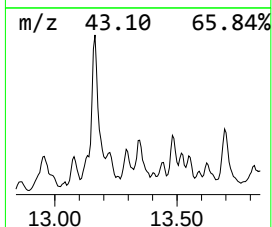
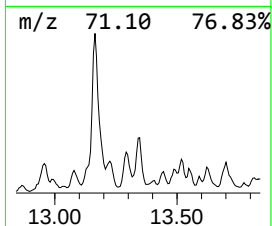
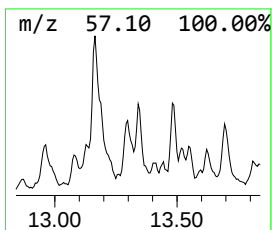
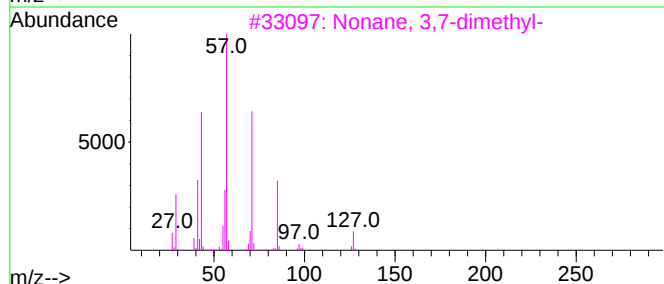
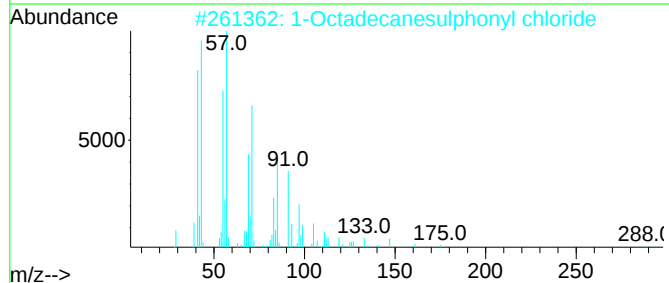
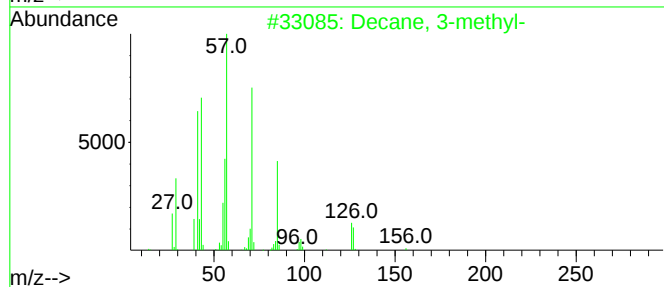
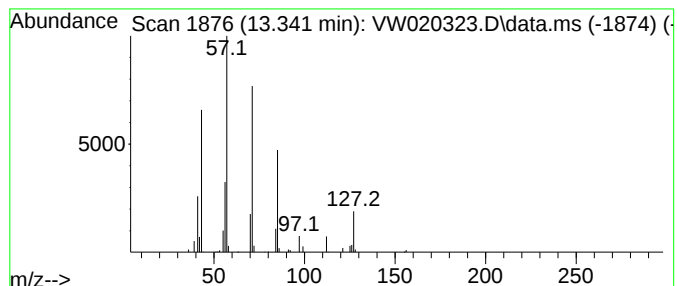
Instrument :
MSVOA_W
ClientSampleId :
EW920

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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.341	2.19 ug/L	50852	1,4-Dichlorobenzene-d4			13.560
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-		156	C11H24	013151-34-3	80
2	1-Octadecanesulphonyl chloride		352	C18H37ClO2S	1000342-70-4	78
3	Nonane, 3,7-dimethyl-		156	C11H24	017302-32-8	78
4	Nonane, 5-(1-methylpropyl)-		184	C13H28	062185-54-0	78
5	Undecane		156	C11H24	001120-21-4	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

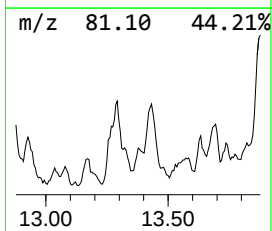
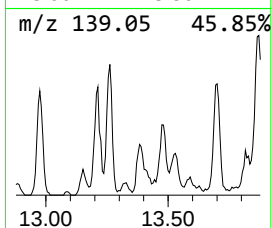
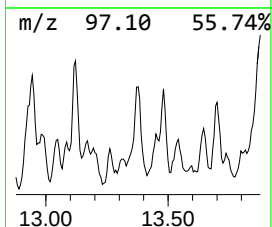
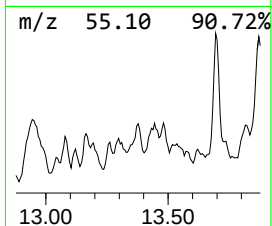
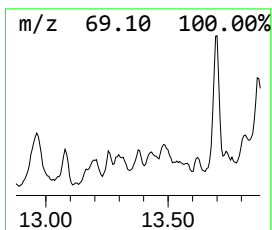
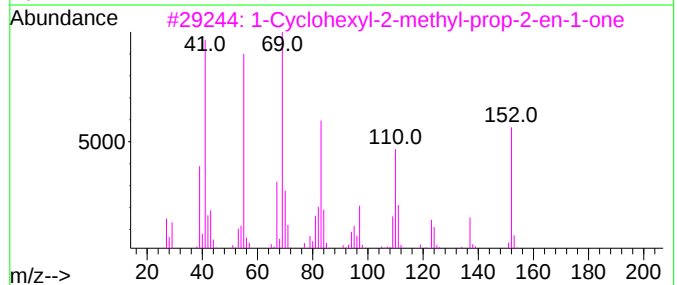
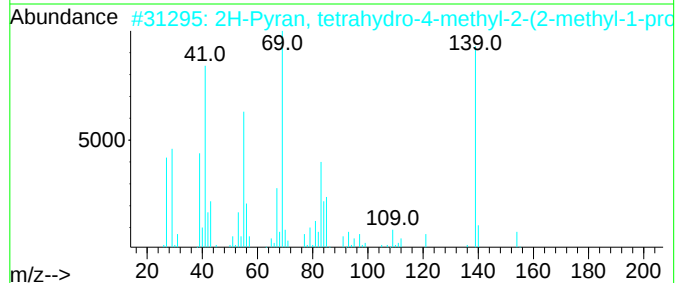
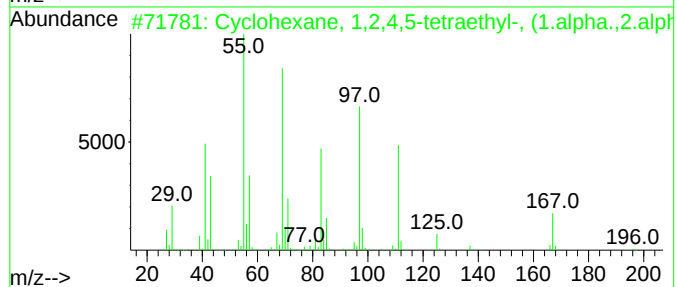
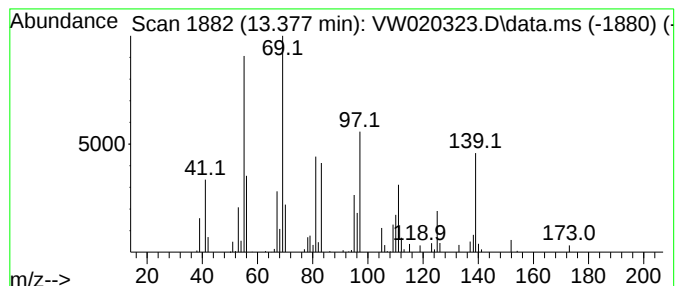
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Cyclic13.377 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.377	1.70 ug/L	39483	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4,5-tetraethyl-...	196	C14H28	061142-24-3	50
2			2H-Pyran, tetrahydro-4-methyl-2-...	154	C10H18O	016409-43-1	47
3			1-Cyclohexyl-2-methyl-prop-2-en-...	152	C10H16O	025183-82-8	46
4			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001839-88-9	43
5			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	007667-55-2	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

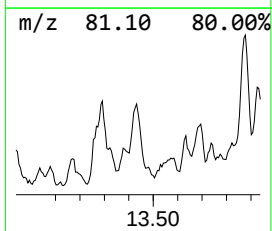
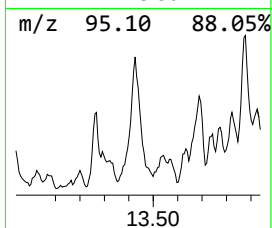
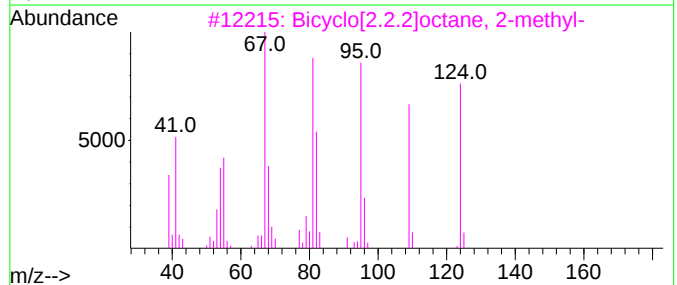
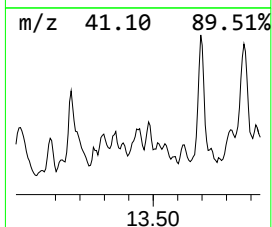
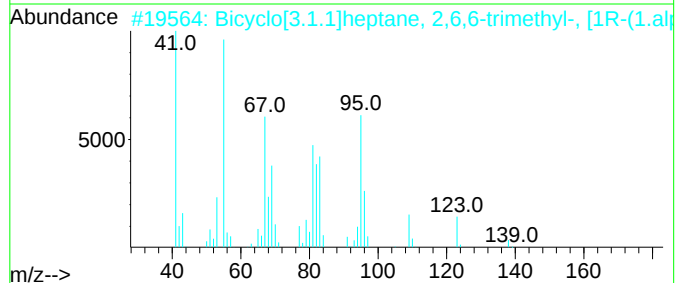
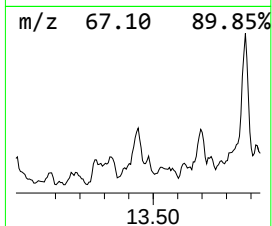
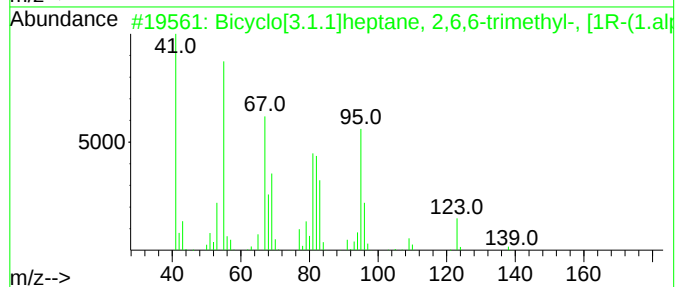
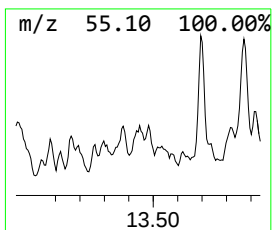
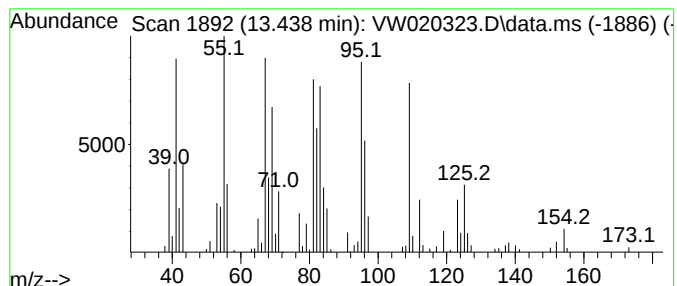
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Quant Title : SFAM01.0

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

Peak Number 17 Bicyclo[3.1.1]heptane, 2,6,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.438	5.29 ug/L	122729	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004795-86-2	60
2			Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004863-59-6	53
3			Bicyclo[2.2.2]octane, 2-methyl-	124	C9H16	000766-53-0	50
4			Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	35
5			Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	006876-13-7	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

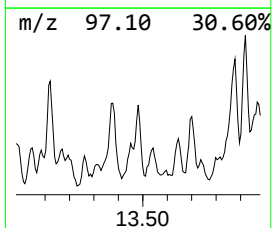
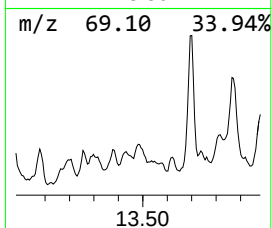
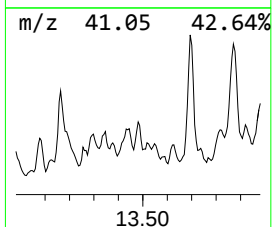
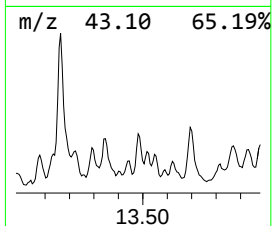
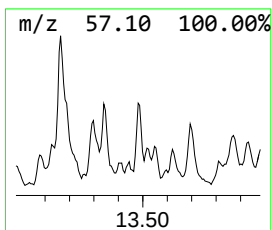
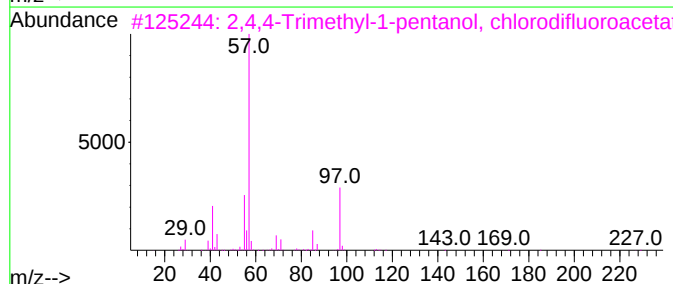
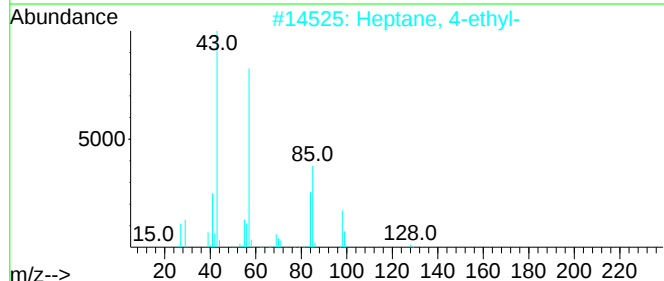
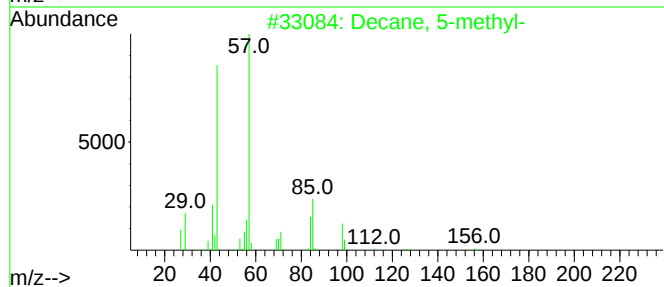
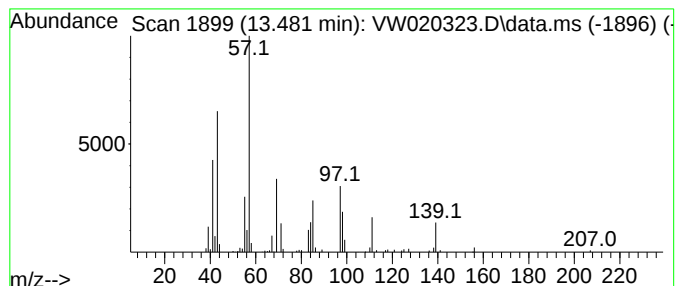
Instrument :
MSVOA_W
ClientSampleId :
EW920

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: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.481	2.92 ug/L	67807	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 5-methyl-		156	C11H24	013151-35-4	43
2	Heptane, 4-ethyl-		128	C9H20	002216-32-2	35
3	2,4,4-Trimethyl-1-pentanol, chlo...		242	C10H17ClF2O2	1000447-27-2	27
4	Oxalic acid, 6-ethyloct-3-yl pro...		272	C15H28O4	1000309-34-0	27
5	2,4,4-Trimethyl-1-pentanol, trif...		226	C10H17F3O2	1000365-19-5	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

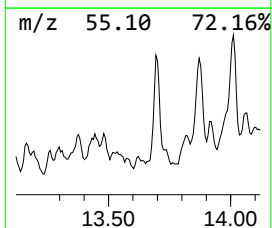
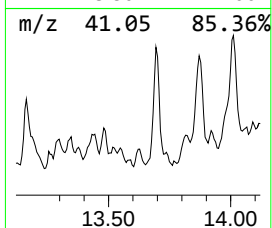
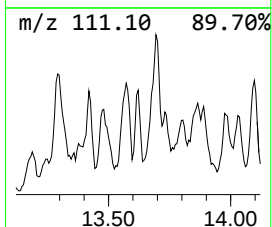
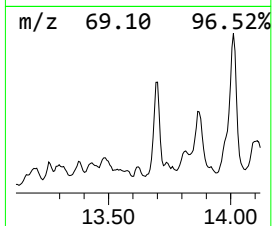
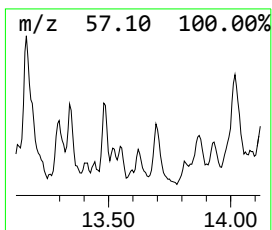
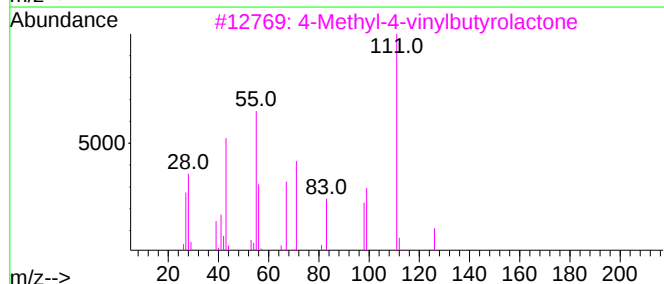
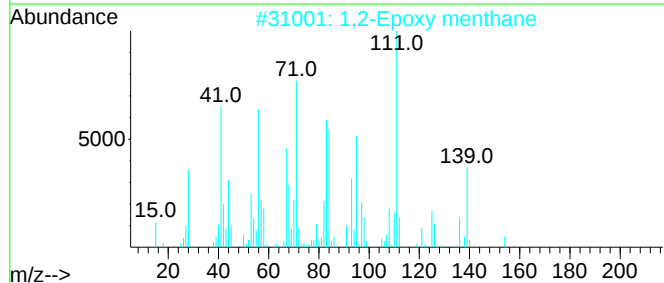
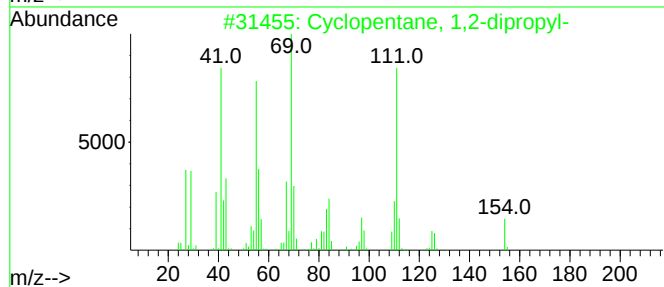
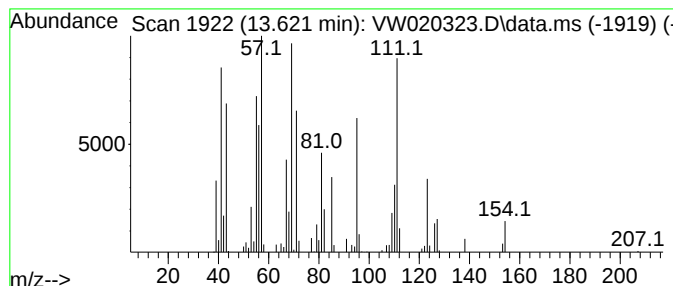
Instrument :
MSVOA_W
ClientSampleId :
EW920

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: Cyclic13.621 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.621	2.24 ug/L	51975	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dipropyl-		154	C11H22	091242-57-8	52
2	1,2-Epoxy menthane		154	C10H18O	1000422-70-3	50
3	4-Methyl-4-vinylbutyrolactone		126	C7H10O2	1000427-99-2	35
4	Citronellal		154	C10H18O	000106-23-0	35
5	2(3H)-Furanone, 5-ethenyldihydro...		126	C7H10O2	001073-11-6	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

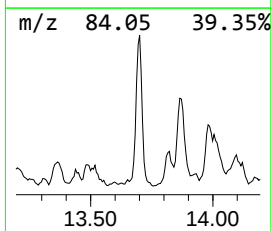
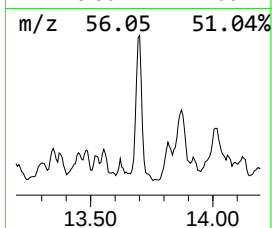
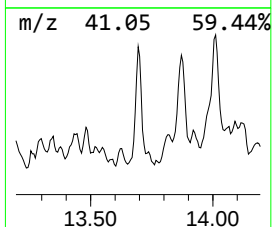
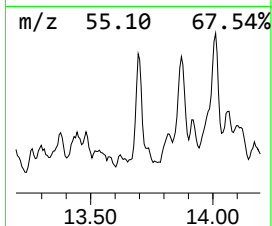
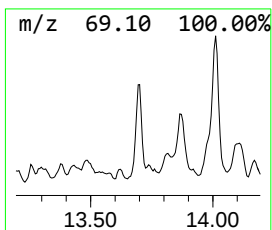
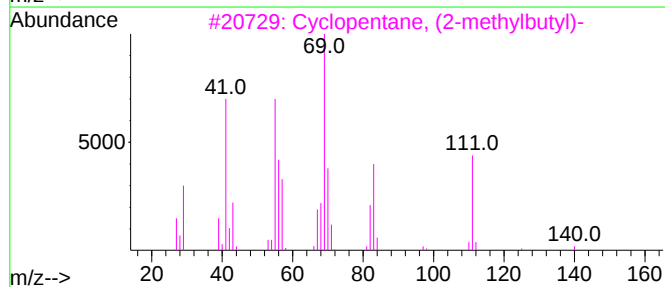
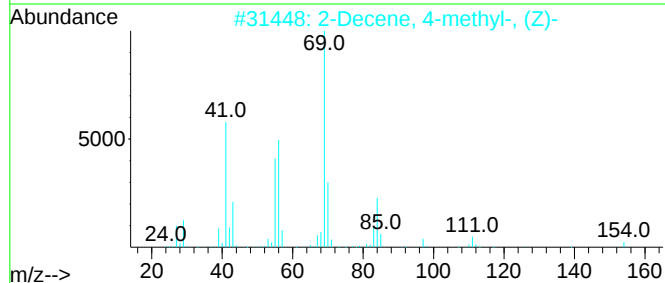
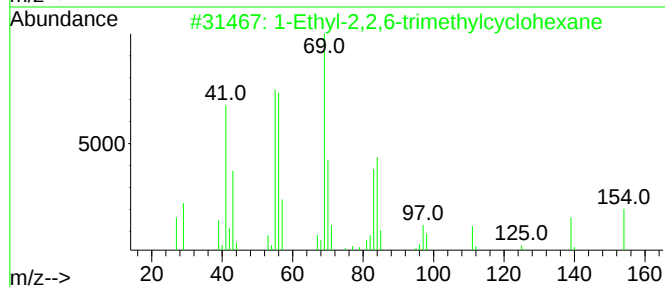
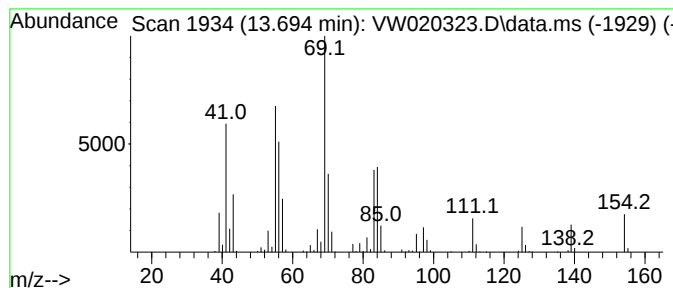
Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Cyclic13.694 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.694	10.54 ug/L	244404	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	91
2	2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	81
3	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	53
4	Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	010458-14-7	52
5	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

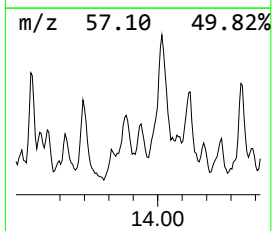
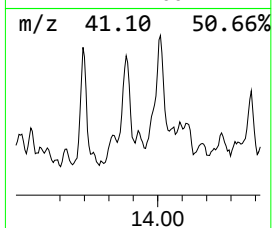
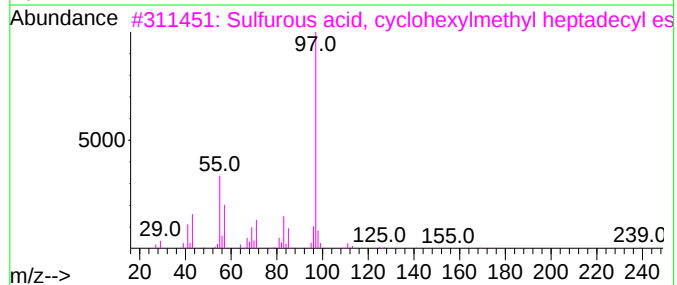
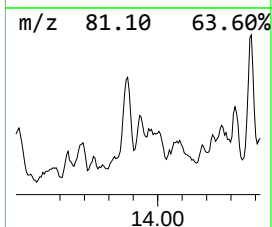
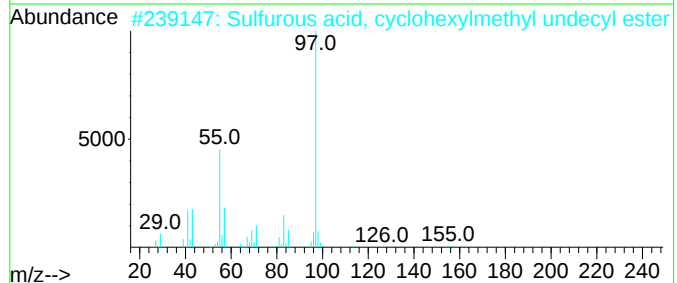
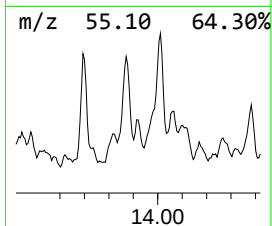
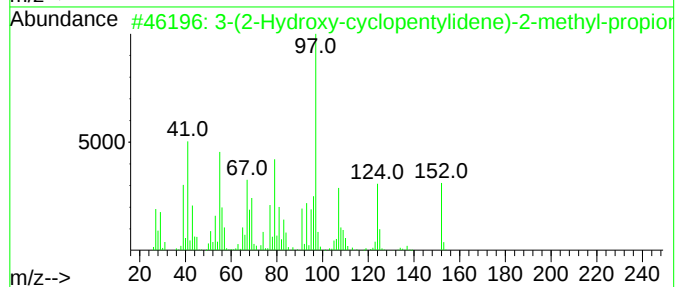
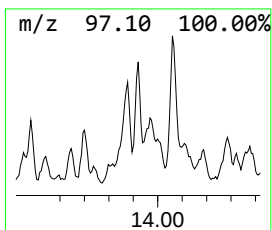
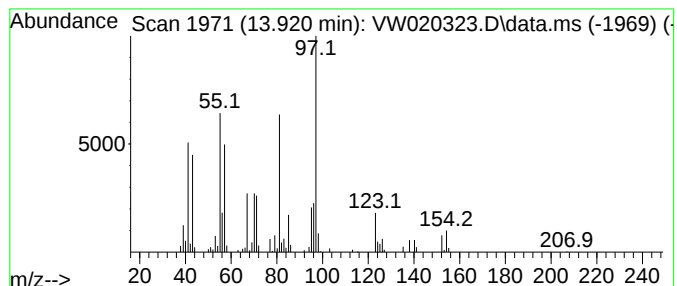
Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 21 3-(2-Hydroxy-cyclopentylide... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.920	1.72 ug/L	39925	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	3-(2-Hydroxy-cyclopentylidene)-2...		170	C9H14O3	1000190-70-8	50
2	Sulfurous acid, cyclohexylmethyl...		332	C18H36O3S	1000309-21-9	47
3	Sulfurous acid, cyclohexylmethyl...		416	C24H48O3S	1000309-22-5	47
4	Sulfurous acid, cyclohexylmethyl...		402	C23H46O3S	1000309-22-4	47
5	Cyclohexane, 1-methyl-2-propyl-		140	C10H20	004291-79-6	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

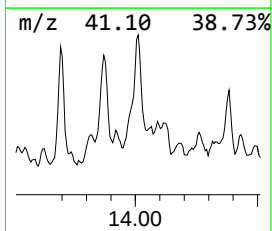
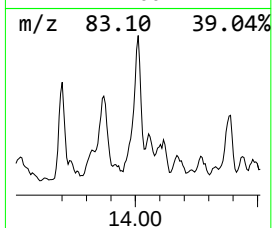
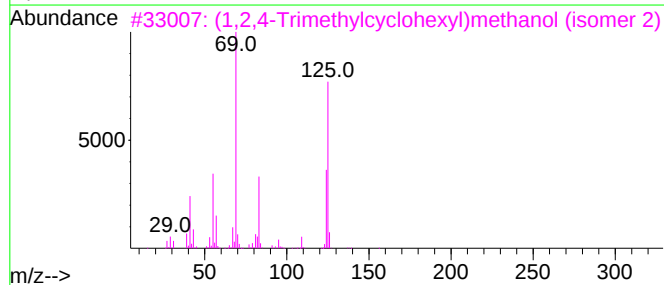
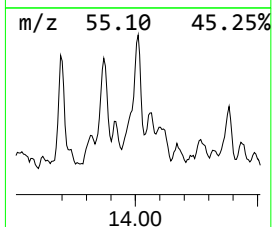
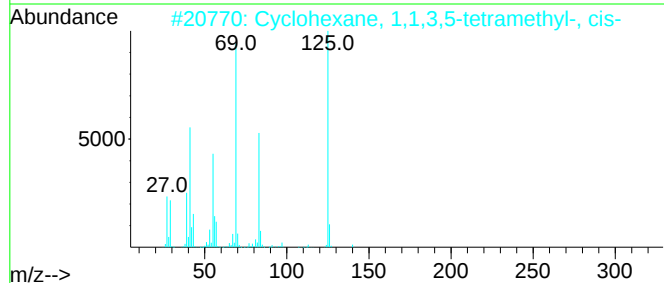
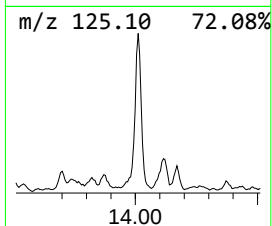
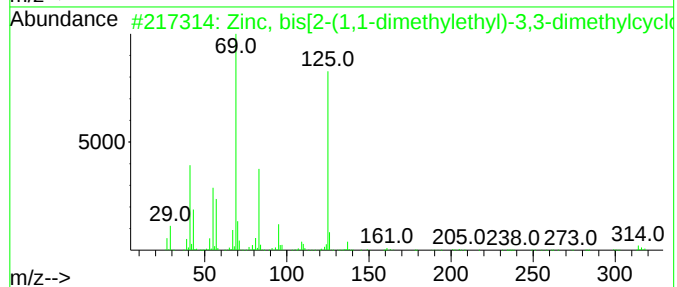
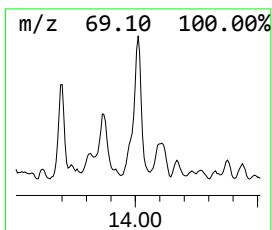
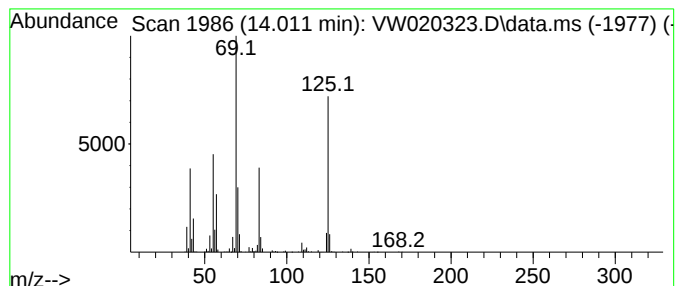
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Quant Title : SFAM01.0

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

Peak Number 22 Zinc, bis[2-(1,1-dimethylet... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.011	15.28 ug/L	354198	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Zinc, bis[2-(1,1-dimethylethyl)-...	314	C18H34Zn	074793-36-5	72
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	72
3			(1,2,4-Trimethylcyclohexyl)metha...	156	C10H20O	1000499-03-9	56
4			Cyclohexane, 1,1'-(1-methylethyl...	208	C15H28	054934-90-6	50
5			Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

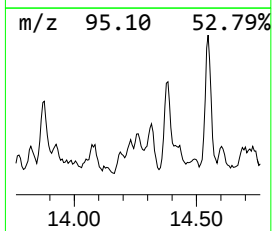
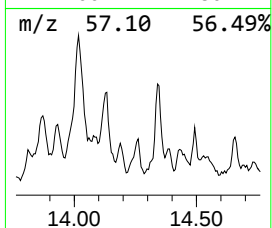
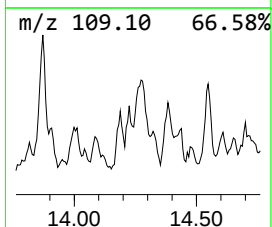
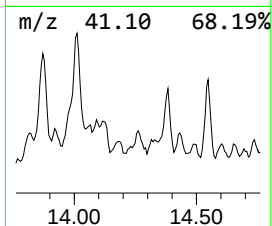
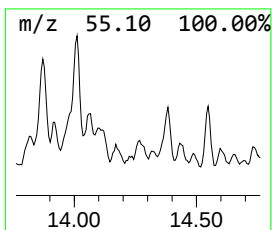
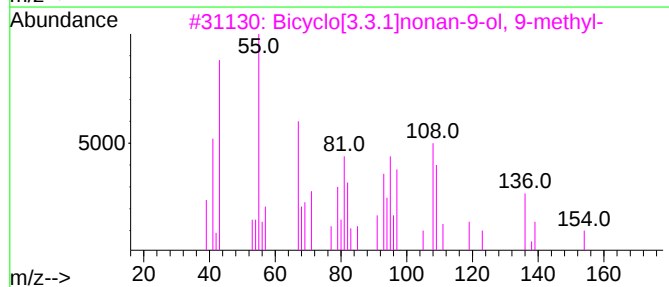
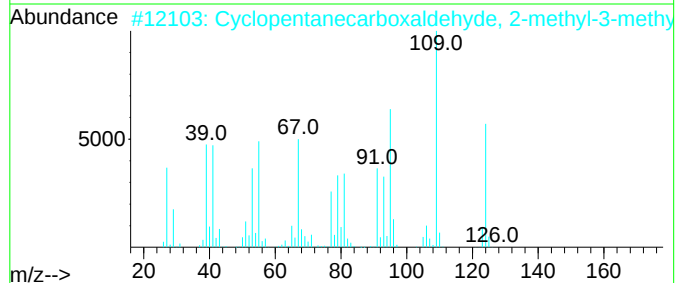
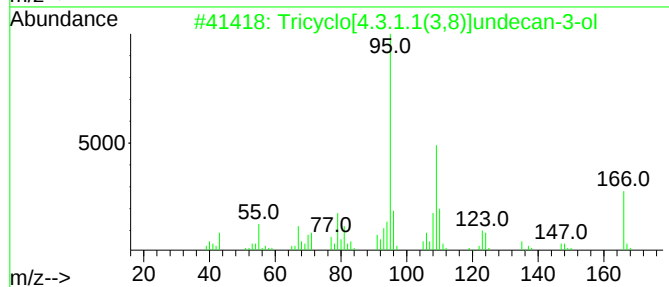
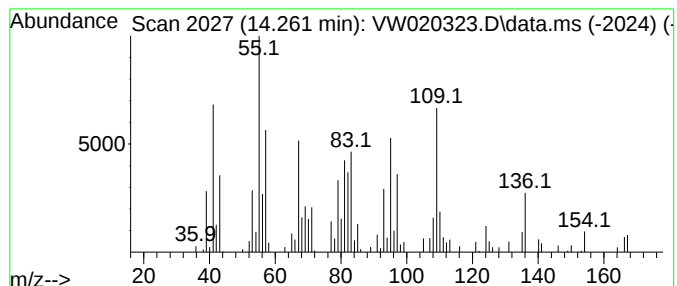
Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0

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

Peak Number 23 Tricyclo[4.3.1.1(3,8)]undec... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.261	2.64 ug/L	61318	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Tricyclo[4.3.1.1(3,8)]undecan-3-ol		166	C11H18O	014504-80-4	83
2	Cyclopentanecarboxaldehyde, 2-me...		124	C8H12O	1000154-24-0	70
3	Bicyclo[3.3.1]nonan-9-ol, 9-methyl-		154	C10H18O	033832-25-6	53
4	Cyclopentane, 1,1,3-trimethyl-		112	C8H16	004516-69-2	41
5	4,7-Methano-1H-indene, octahydro...		136	C10H16	002825-83-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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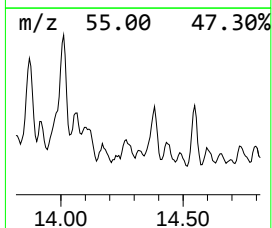
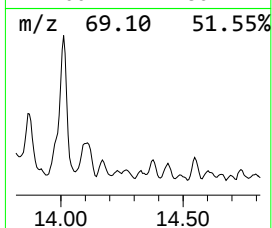
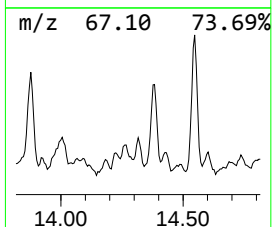
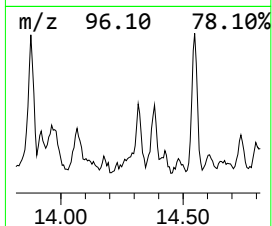
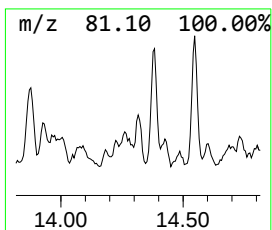
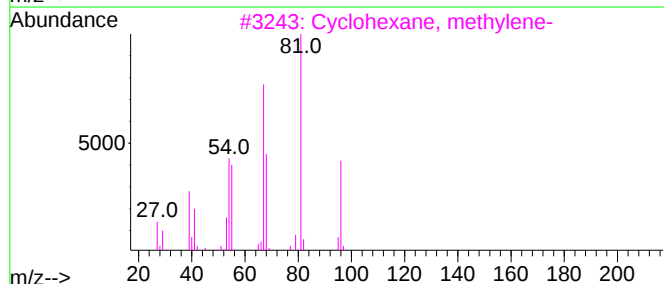
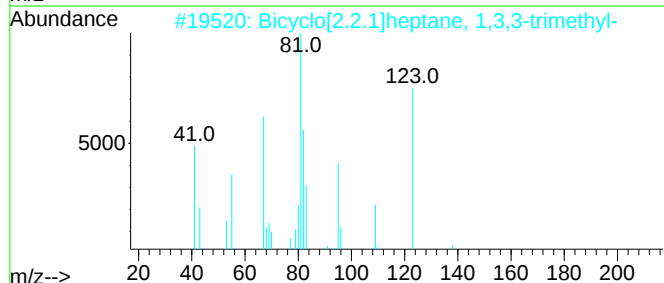
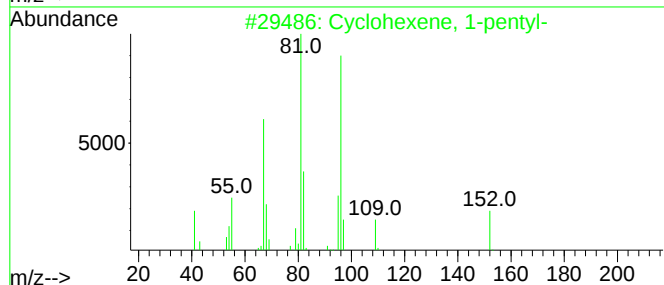
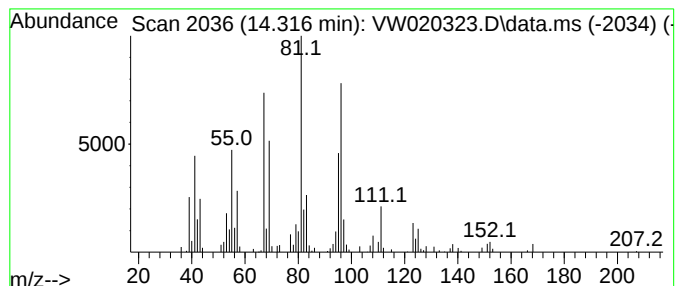
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Quant Title : SFAM01.0

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

Peak Number 24 Cyclohexene, 1-pentyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.316	1.77 ug/L	41069	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	59
2			Bicyclo[2.2.1]heptane, 1,3,3-tri...	138	C10H18	006248-88-0	53
3			Cyclohexane, methylene-	96	C7H12	001192-37-6	53
4			1-Tetradecyne	194	C14H26	000765-10-6	53
5			5-Dodecyne	166	C12H22	019780-12-2	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

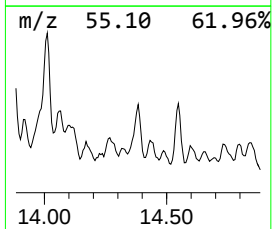
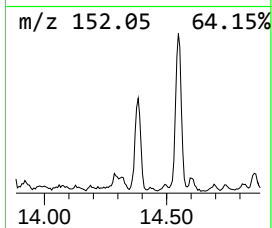
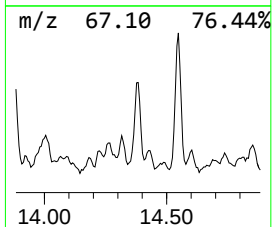
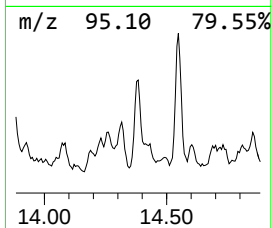
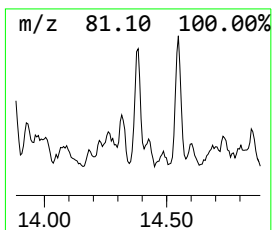
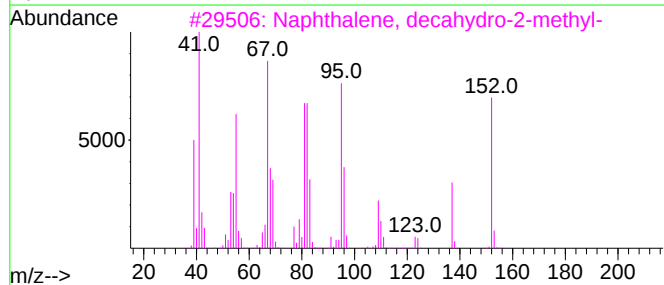
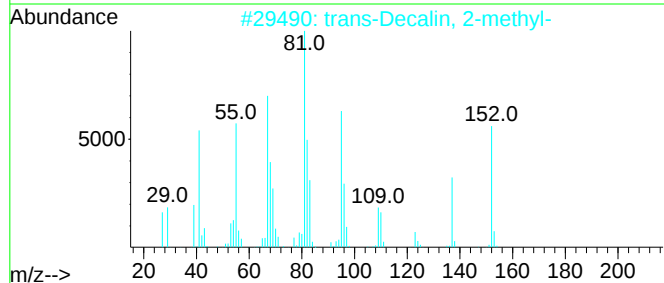
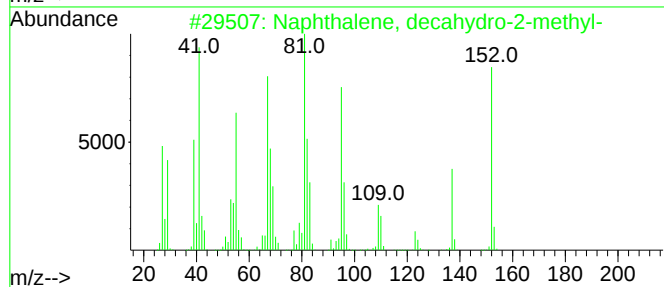
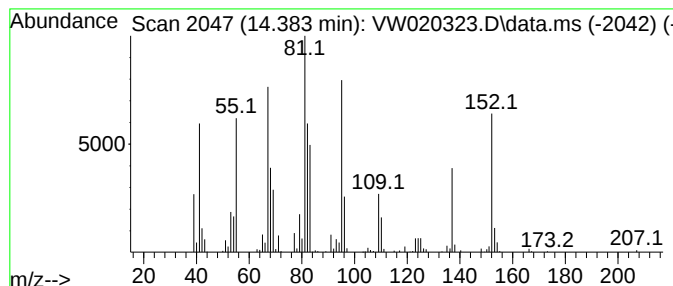
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Quant Title : SFAM01.0

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

Peak Number 25 Naphthalene, decahydro-2-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	7.89 ug/L	182829	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	96
2			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	93
3			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	89
4			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	89
5			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

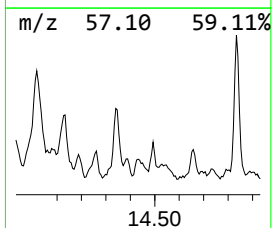
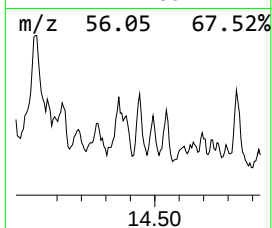
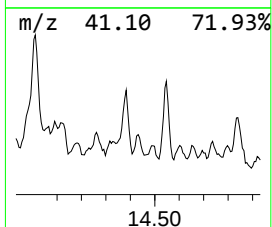
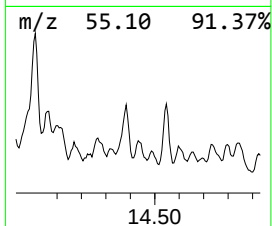
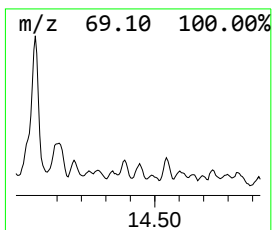
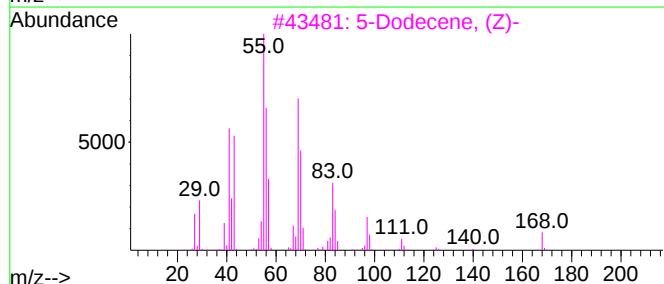
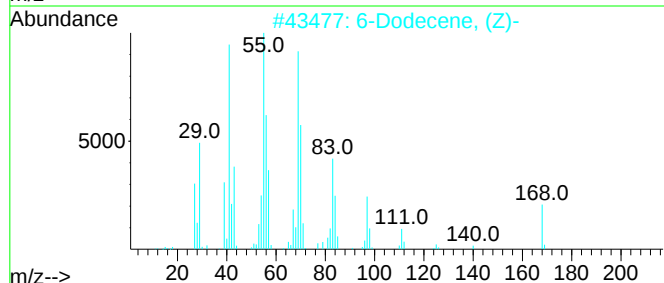
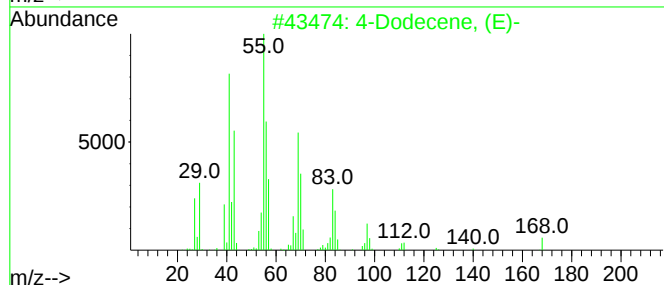
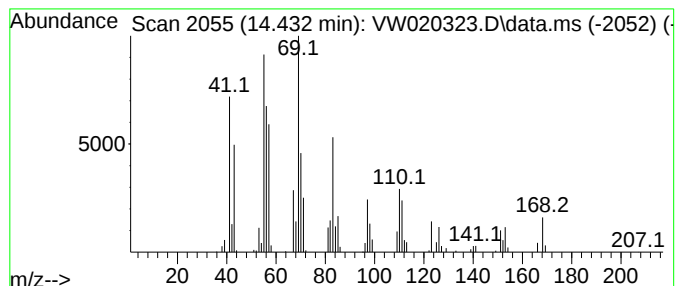
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Quant Title : SFAM01.0

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.432	2.45 ug/L	56883	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Dodecene, (E)-		168	C12H24	007206-15-7	81
2	6-Dodecene, (Z)-		168	C12H24	007206-29-3	81
3	5-Dodecene, (Z)-		168	C12H24	007206-28-2	81
4	6-Dodecene, (Z)-		168	C12H24	007206-29-3	76
5	6-Dodecene, (E)-		168	C12H24	007206-17-9	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

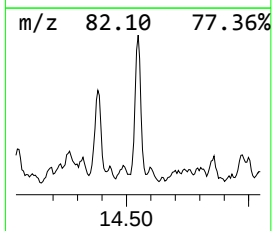
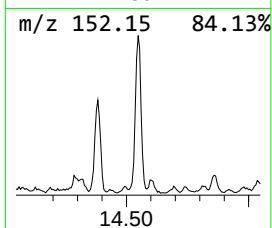
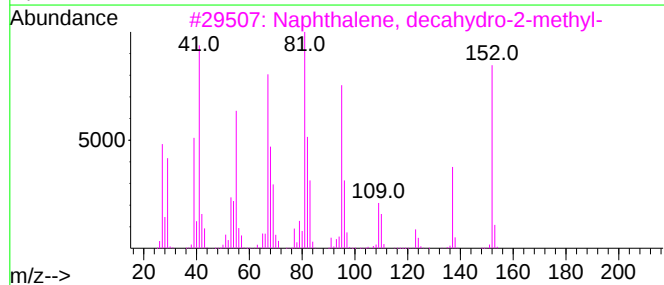
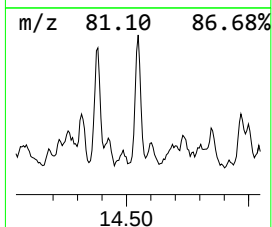
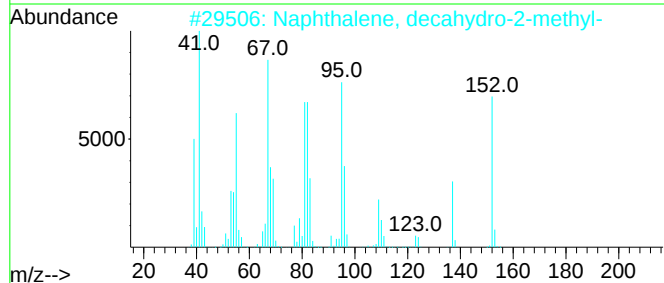
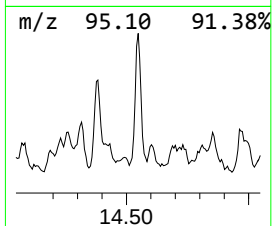
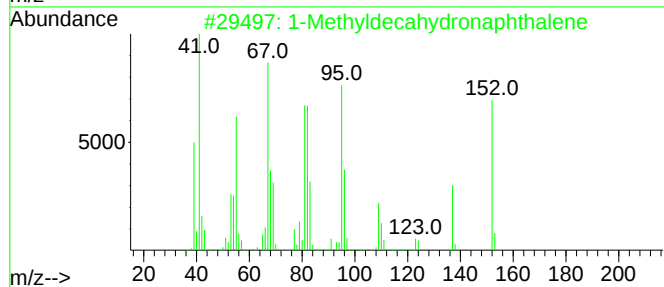
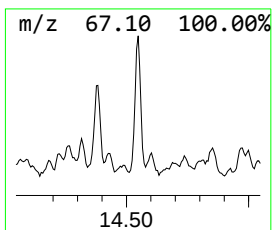
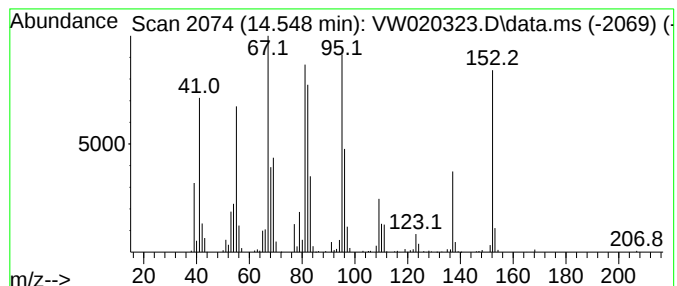
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Quant Title : SFAM01.0

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

Peak Number 27 1-Methyldecahydronaphthalene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.548	9.36 ug/L	216915	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	98
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	98
3		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	93
4		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	91
5		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	89



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

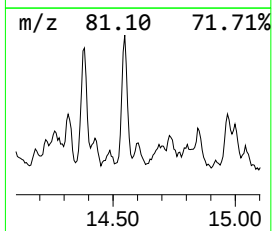
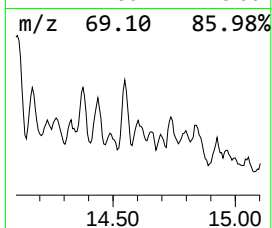
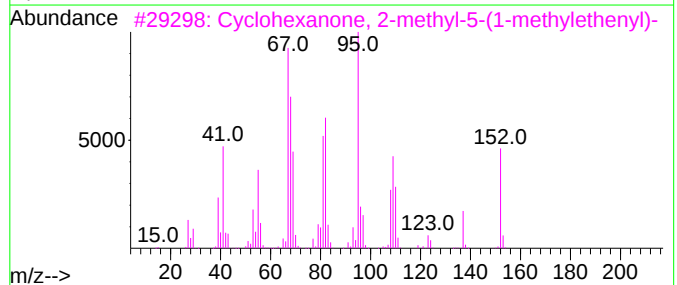
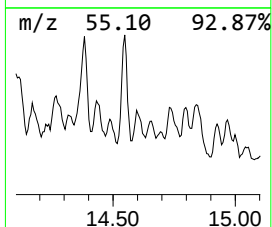
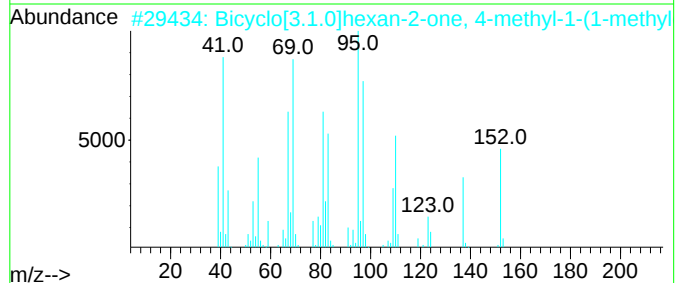
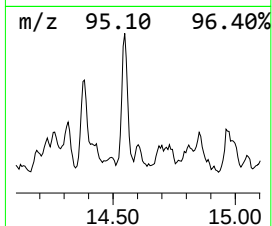
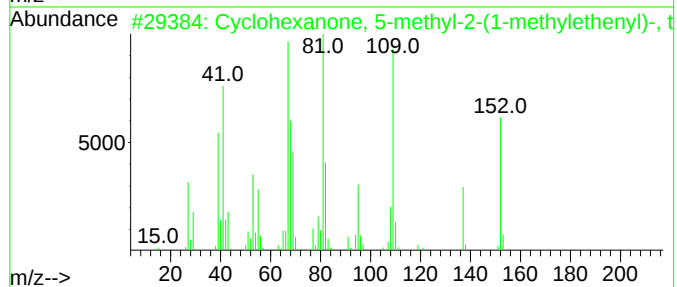
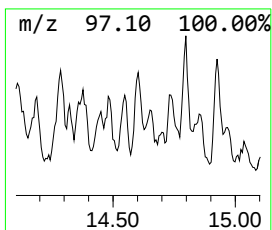
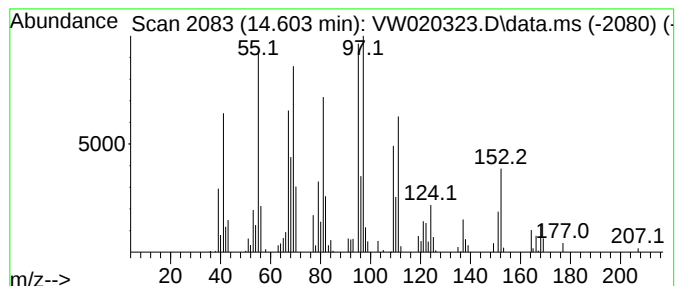
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Quant Title : SFAM01.0

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

Peak Number 28 Cyclohexanone, 5-methyl-2-(... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.603	1.54 ug/L	35660	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	029606-79-9	68
2		Bicyclo[3.1.0]hexan-2-one, 4-met...	152	C10H16O	002506-61-8	58
3		Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	007764-50-3	45
4		Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	007764-50-3	43
5		Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	007764-50-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

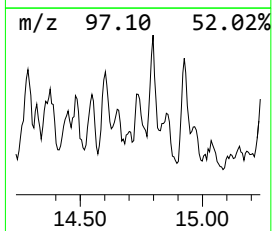
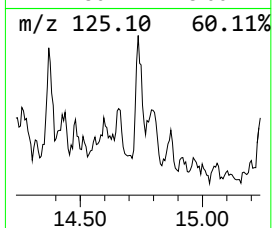
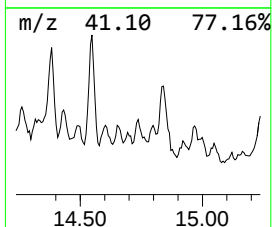
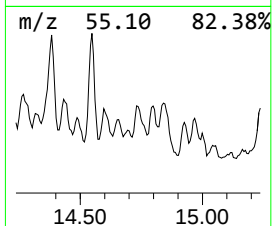
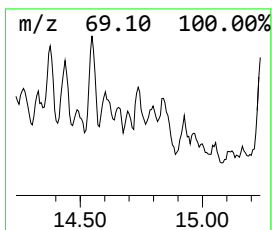
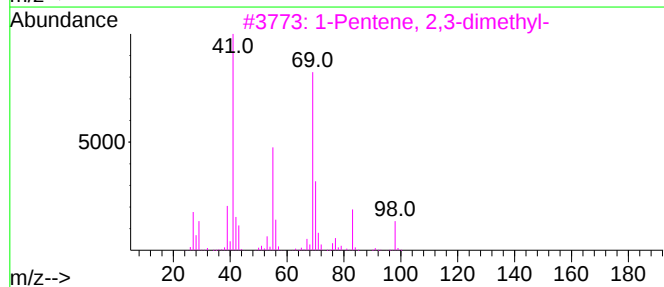
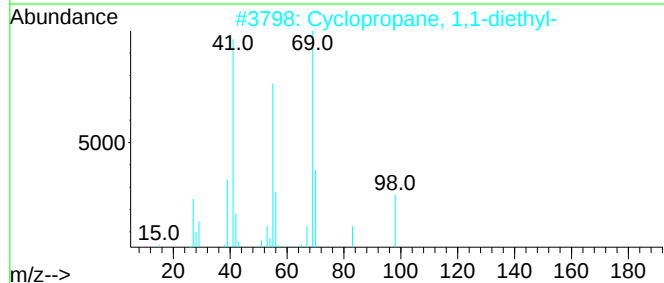
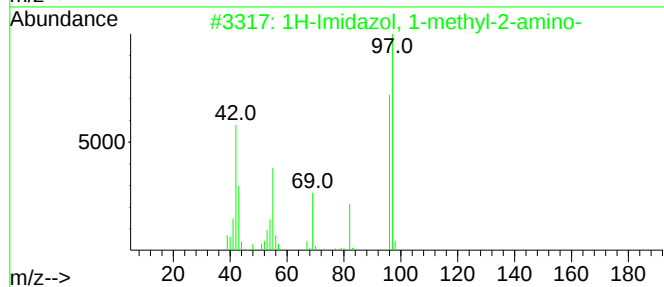
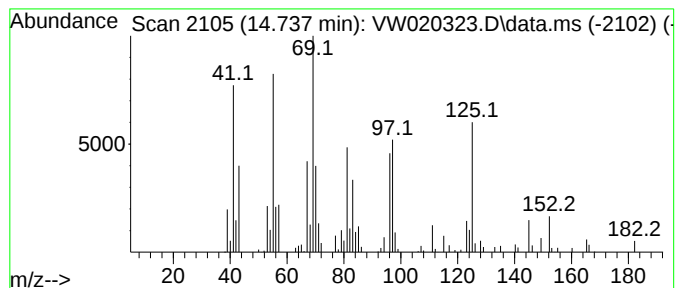
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Quant Title : SFAM01.0

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

Peak Number 29 unknown-02 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.737	1.63 ug/L	37719	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Imidazol, 1-methyl-2-amino-	97	C4H7N3	006646-51-1	45
2			Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	30
3			1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	30
4			3-Octene, 4-ethyl-	140	C10H20	053966-51-1	27
5			2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

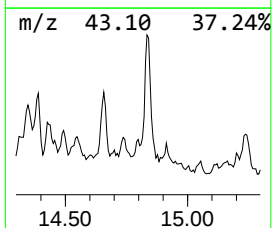
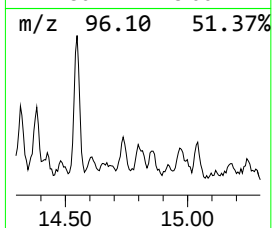
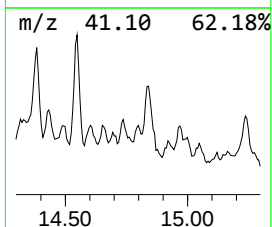
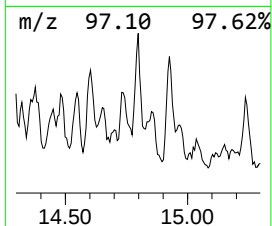
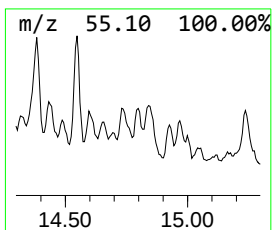
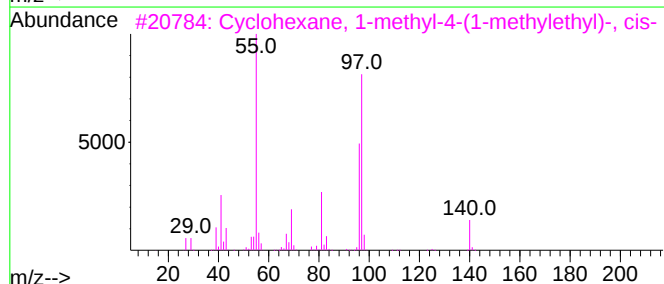
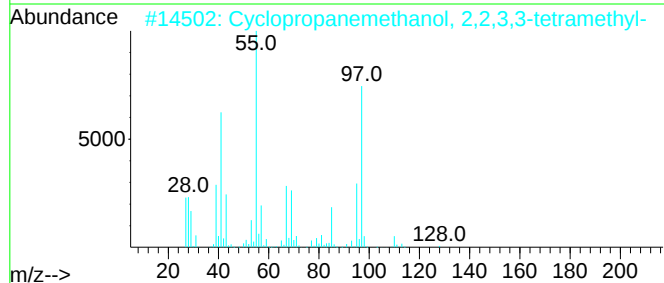
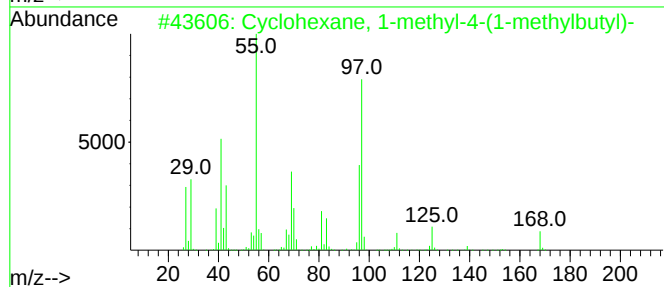
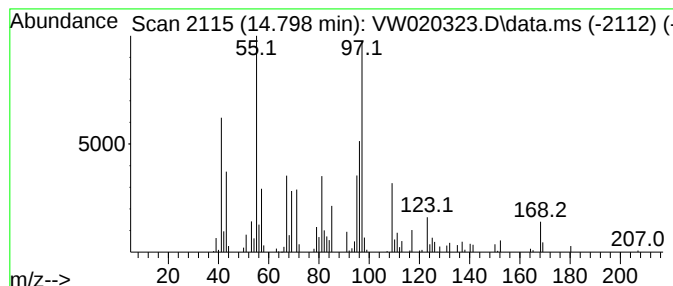
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Quant Title : SFAM01.0

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

Peak Number 30 (DEL) Alkane: Cyclic14.798 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.798	2.11 ug/L	48918	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1-methyl-4-(1-methy...	168	C12H24	054411-00-6	46
2		Cyclopropanemethanol, 2,2,3,3-te...	128	C8H16O	002415-96-5	43
3		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	38
4		1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	38
5		m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

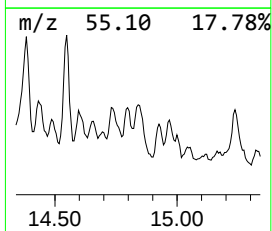
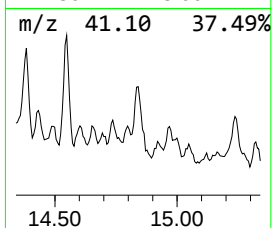
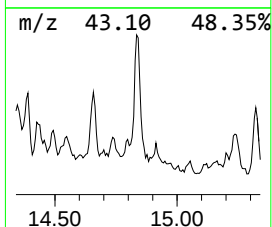
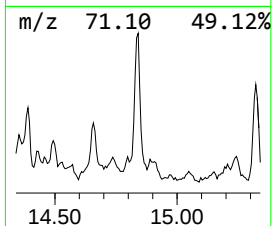
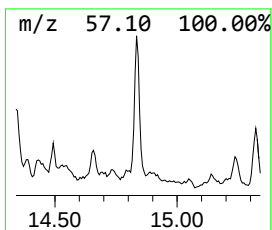
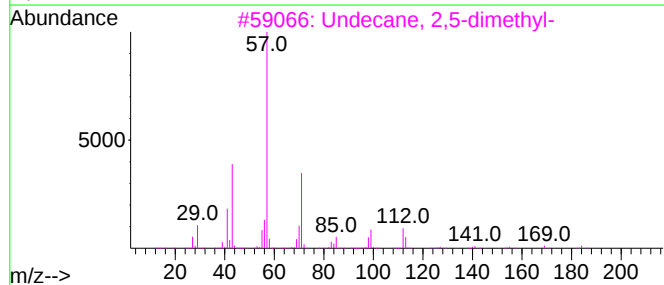
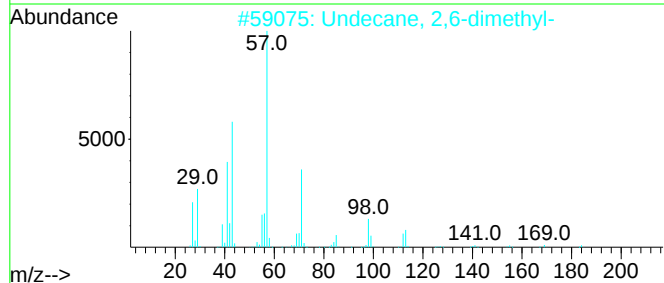
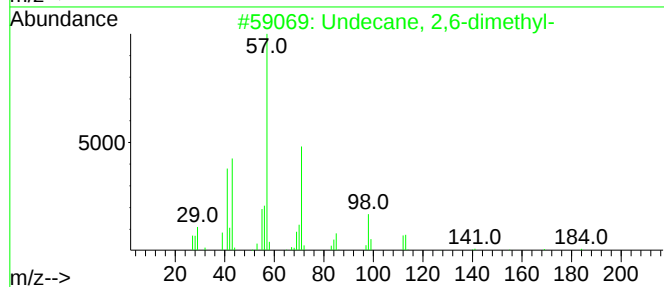
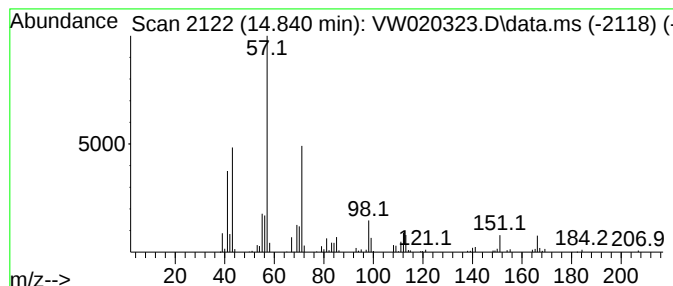
Instrument :
MSVOA_W
ClientSampleId :
EW920

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 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.840	6.87 ug/L	159363	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-		184	C13H28	017301-23-4	95
2	Undecane, 2,6-dimethyl-		184	C13H28	017301-23-4	91
3	Undecane, 2,5-dimethyl-		184	C13H28	017301-22-3	76
4	Dodecane, 6-methyl-		184	C13H28	006044-71-9	60
5	Sulfurous acid, 2-ethylhexyl hex...		418	C24H50O3S	1000309-19-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

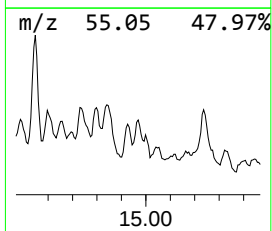
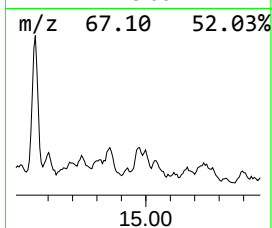
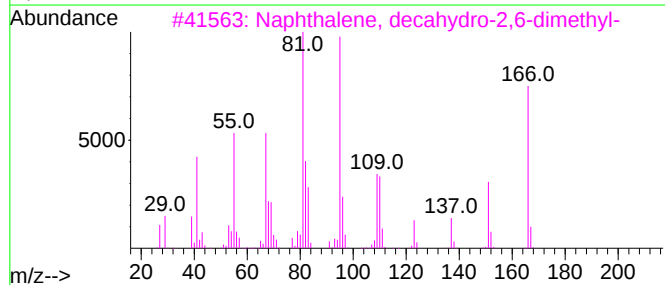
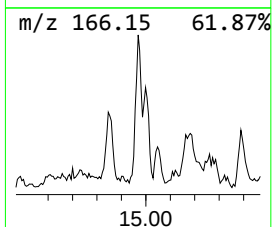
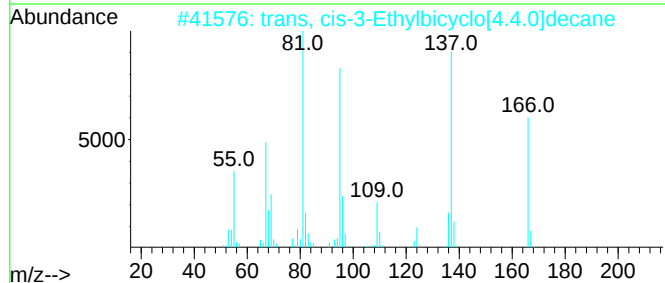
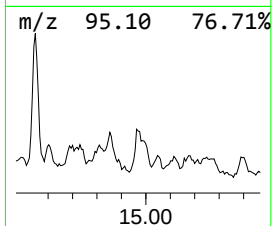
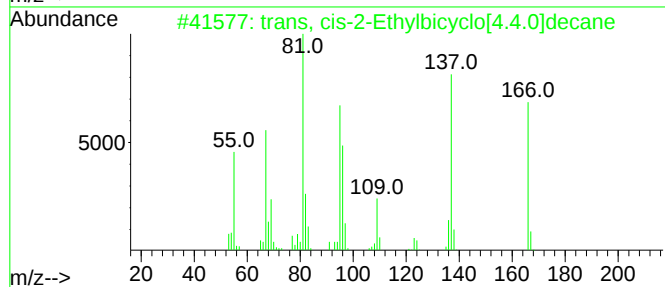
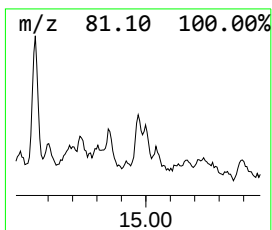
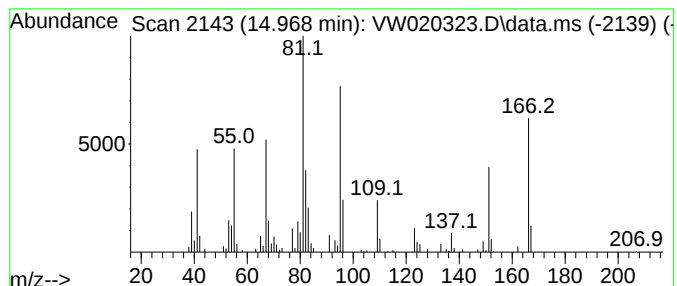
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Quant Title : SFAM01.0

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

Peak Number 32 trans, cis-2-Ethylbicyclo[4... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.968	2.16 ug/L	50079	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans, cis-2-Ethylbicyclo[4.4.0]...	166	C12H22	066660-39-7	81
2			trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	74
3			Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	64
4			Naphthalene, decahydro-2,3-dimet...	166	C12H22	001008-80-6	62
5			trans,trans-1,6-Dimethylspiro[4...	166	C12H22	1000111-72-1	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

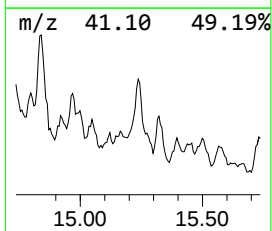
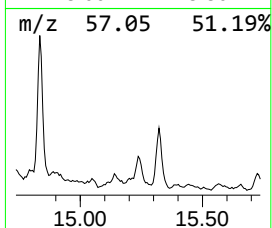
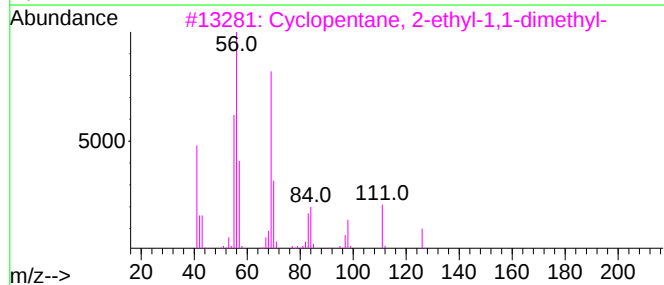
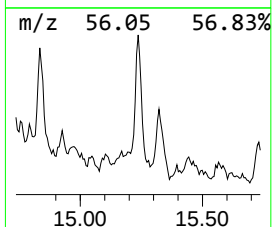
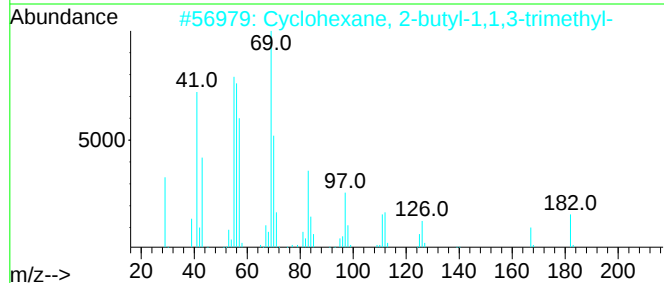
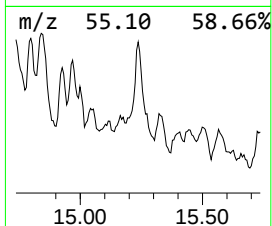
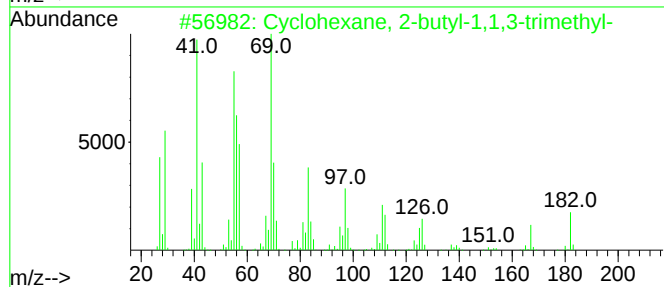
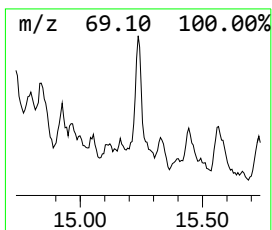
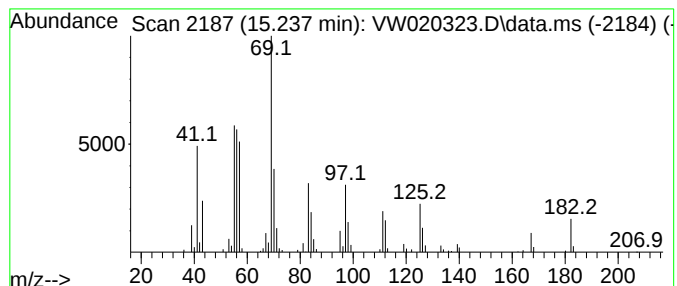
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Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Cyclic15.237 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.237	4.64 ug/L	107500	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	96
2			Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	93
3			Cyclopentane, 2-ethyl-1,1-dimethyl-	126	C9H18	054549-80-3	60
4			Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	58
5			1.alpha.,2.beta.,3.alpha.,4.beta...	126	C9H18	002532-67-4	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

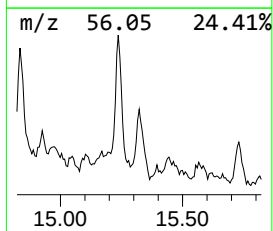
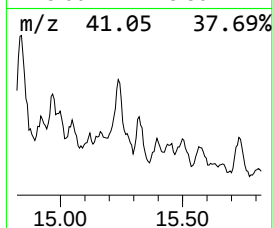
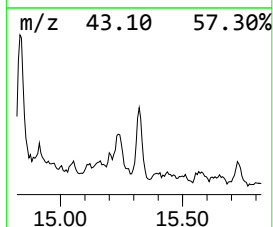
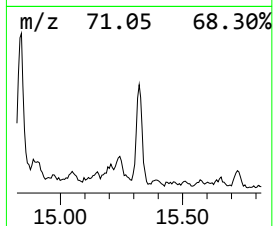
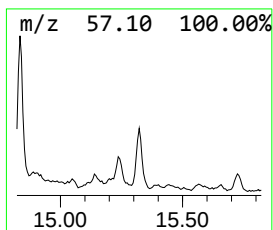
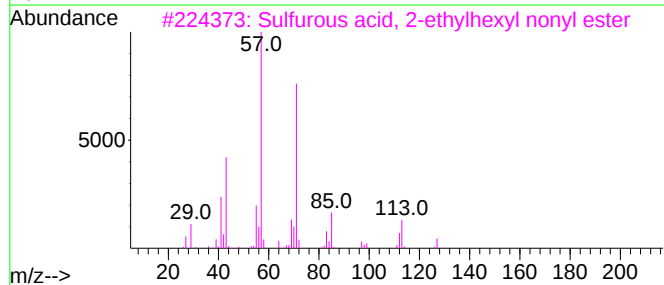
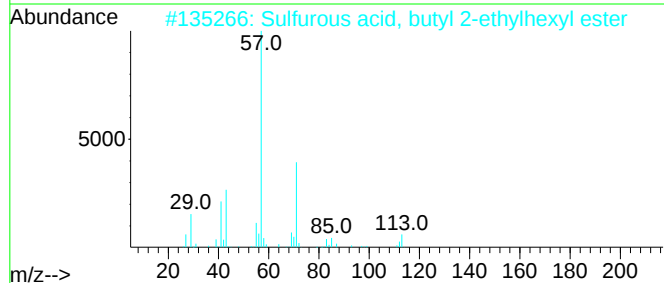
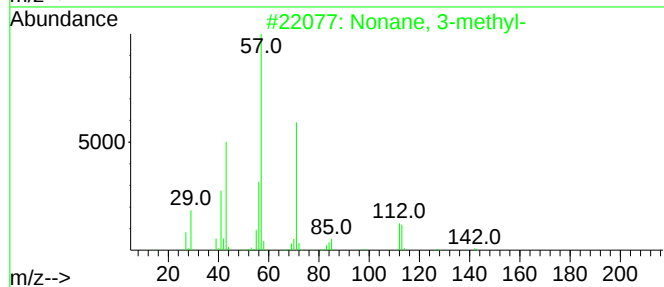
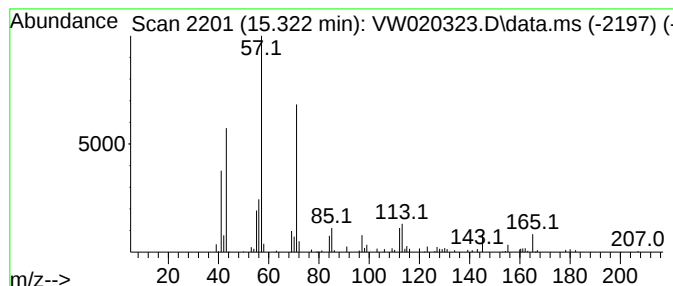
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Quant Title : SFAM01.0

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	2.69 ug/L	62276	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3-methyl-	142	C10H22	005911-04-6	72
2			Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	59
3			Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	59
4			Sulfurous acid, 2-ethylhexyl tet...	390	C22H46O3S	1000309-19-7	52
5			Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW920

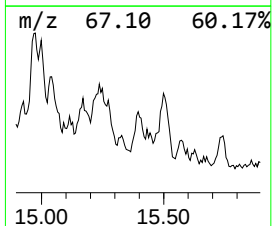
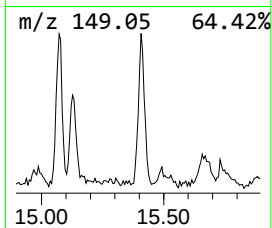
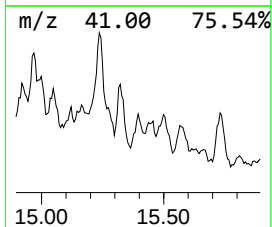
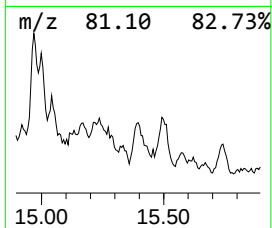
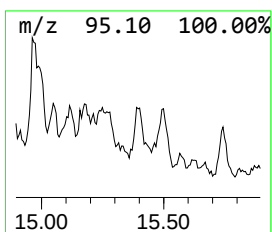
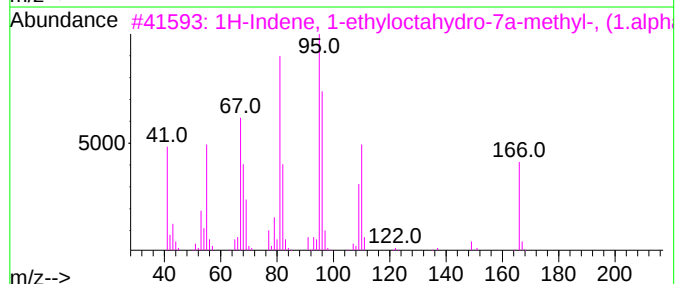
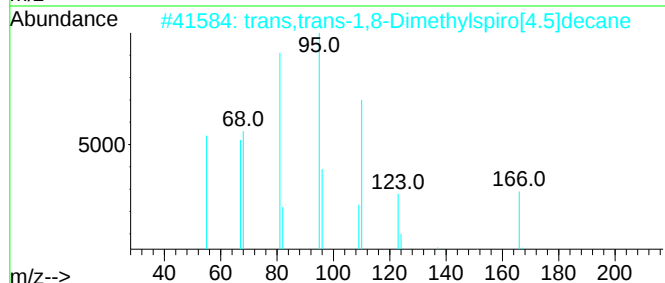
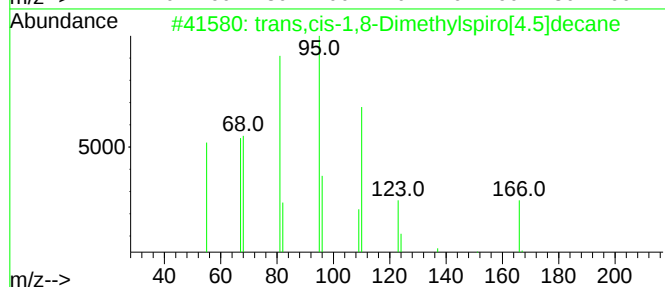
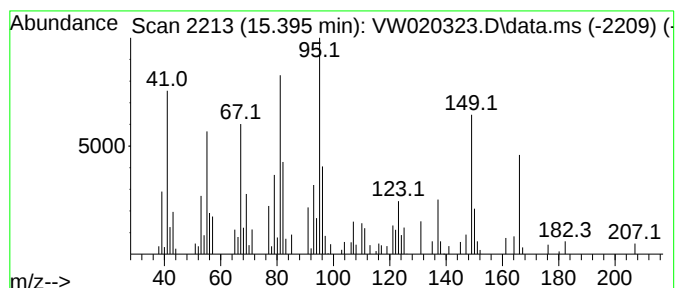
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Quant Title : SFAM01.0

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

Peak Number 35 trans,cis-1,8-Dimethylspiro... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.395	1.58 ug/L	36697	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans,cis-1,8-Dimethylspiro[4.5]...	166	C12H22	1000111-72-9	68
2			trans,trans-1,8-Dimethylspiro[4.5]...	166	C12H22	1000111-72-8	68
3			1H-Indene, 1-ethyloctahydro-7a-m...	166	C12H22	056324-71-1	52
4			(R)-(-)-14-Methyl-8-hexadecyn-1-ol	252	C17H32O	064566-18-3	49
5			Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020323.D
Acq On : 06 Oct 2021 19:23
Operator : SY/VA
Sample : M4001-07
Misc : 6.18g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

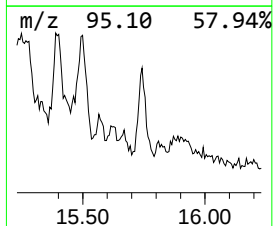
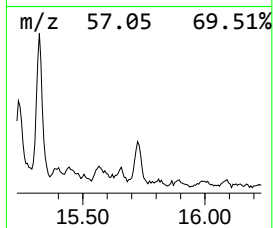
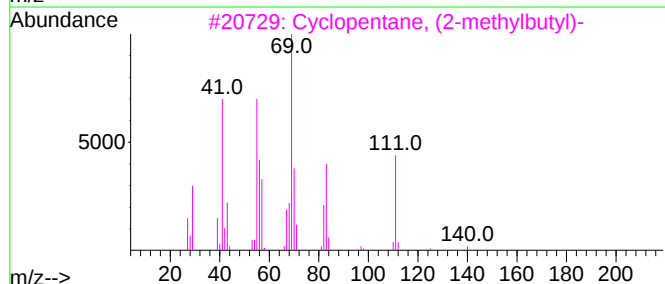
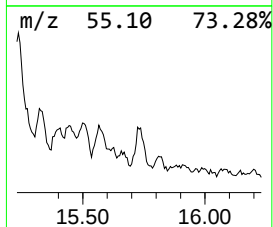
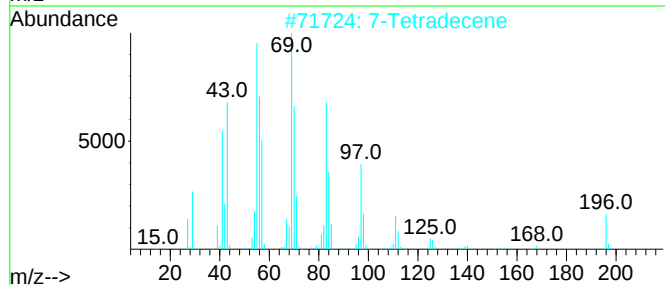
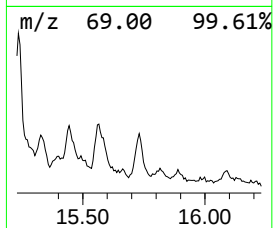
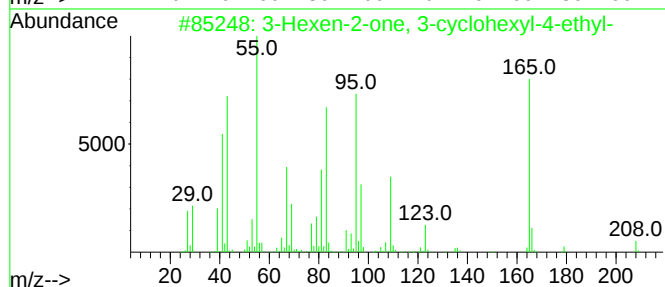
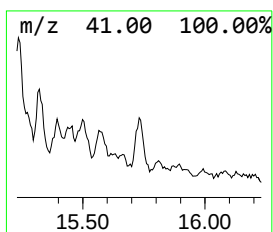
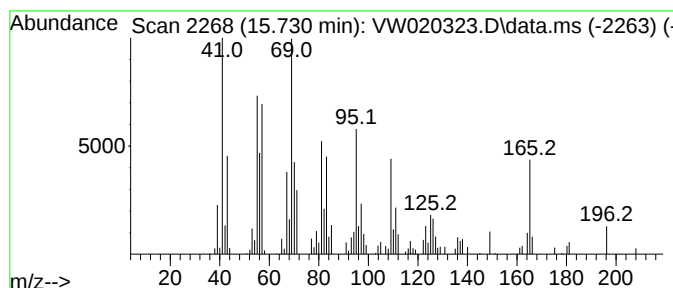
Instrument :
MSVOA_W
ClientSampleId :
EW920

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 3-Hexen-2-one, 3-cyclohexyl... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.730	2.58 ug/L	59807	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexen-2-one, 3-cyclohexyl-4-et...	208	C14H24O	1000150-19-1	89
2	7-Tetradecene	196	C14H28	010374-74-0	47
3	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	46
4	1-Pentadecyne	208	C15H28	000765-13-9	42
5	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020323.D
 Acq On : 06 Oct 2021 19:23
 Operator : SY/VA
 Sample : M4001-07
 Misc : 6.18g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW920

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: C...	11.231	2.0	ug/L	48577	2	11.634	611027	25.0	
(DEL) Alkane: C...	11.902	1.5	ug/L	37760	2	11.634	611027	25.0	
(DEL) Alkane: C...	12.140	2.8	ug/L	67847	2	11.634	611027	25.0	
(DEL) Alkane: S...	12.249	2.7	ug/L	65352	2	11.634	611027	25.0	
(DEL) Alkane: S...	12.365	8.6	ug/L	209040	2	11.634	611027	25.0	
(DEL) Alkane: C...	12.451	2.4	ug/L	58322	2	11.634	611027	25.0	
(DEL) Alkane: C...	12.780	13.3	ug/L	308959	3	13.560	579621	25.0	
(DEL) Alkane: C...	12.859	4.4	ug/L	102354	3	13.560	579621	25.0	
(DEL) Alkane: S...	12.950	10.7	ug/L	248432	3	13.560	579621	25.0	
(DEL) Alkane: C...	13.079	2.8	ug/L	65562	3	13.560	579621	25.0	
(DEL) Alkane: S...	13.164	9.4	ug/L	218599	3	13.560	579621	25.0	
unknown-01	13.261	2.0	ug/L	46858	3	13.560	579621	25.0	
(DEL) Alkane: S...	13.292	3.8	ug/L	88100	3	13.560	579621	25.0	
(DEL) Alkane: S...	13.341	2.2	ug/L	50852	3	13.560	579621	25.0	
(DEL) Alkane: C...	13.377	1.7	ug/L	39483	3	13.560	579621	25.0	
Bicyclo[3.1.1]h...	13.438	5.3	ug/L	122729	3	13.560	579621	25.0	
(DEL) Alkane: S...	13.481	2.9	ug/L	67807	3	13.560	579621	25.0	
(DEL) Alkane: C...	13.621	2.2	ug/L	51975	3	13.560	579621	25.0	
(DEL) Alkane: C...	13.694	10.5	ug/L	244404	3	13.560	579621	25.0	
3-(2-Hydroxy-cy...	13.920	1.7	ug/L	39925	3	13.560	579621	25.0	
Zinc, bis[2-(1,...	14.011	15.3	ug/L	354198	3	13.560	579621	25.0	
Tricyclo[4.3.1....	14.261	2.6	ug/L	61318	3	13.560	579621	25.0	
Cyclohexene, 1-...	14.316	1.8	ug/L	41069	3	13.560	579621	25.0	
Naphthalene, de...	14.383	7.9	ug/L	182829	3	13.560	579621	25.0	
(DEL) Alkane: S...	14.432	2.5	ug/L	56883	3	13.560	579621	25.0	
1-Methyldecahyd...	14.548	9.4	ug/L	216915	3	13.560	579621	25.0	
Cyclohexanone, ...	14.603	1.5	ug/L	35660	3	13.560	579621	25.0	
unknown-02	14.737	1.6	ug/L	37719	3	13.560	579621	25.0	
(DEL) Alkane: C...	14.798	2.1	ug/L	48918	3	13.560	579621	25.0	
(DEL) Alkane: S...	14.840	6.9	ug/L	159363	3	13.560	579621	25.0	
trans, cis-2-Et...	14.968	2.2	ug/L	50079	3	13.560	579621	25.0	
(DEL) Alkane: C...	15.237	4.6	ug/L	107500	3	13.560	579621	25.0	
(DEL) Alkane: S...	15.322	2.7	ug/L	62276	3	13.560	579621	25.0	
trans,cis-1,8-D...	15.395	1.6	ug/L	36697	3	13.560	579621	25.0	
3-Hexen-2-one, ...	15.730	2.6	ug/L	59807	3	13.560	579621	25.0	