

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
 Data File : VW021562.D
 Acq On : 22 Dec 2021 14:52
 Operator : SY/VA
 Sample : M5154-01
 Misc : 6.61g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL81

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\SFAMWLM120921SMA.M
 Title : SFAM01.0

Signal : TIC: VW021562.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.343	66	72	82	rVB	46995	75406	4.43%	0.760%
2	2.495	93	97	106	rVB3	1159	2524	0.15%	0.025%
3	2.806	146	148	150	rBV3	424	434	0.03%	0.004%
4	2.879	152	160	168	rVB	25191	51894	3.05%	0.523%
5	3.007	179	181	182	rBV	278	174	0.01%	0.002%
6	3.379	239	242	245	rVB2	177	225	0.01%	0.002%
7	4.007	335	345	358	rBV	61285	169967	9.98%	1.714%
8	4.147	361	368	380	rVB	3680	11771	0.69%	0.119%
9	4.251	383	385	388	rVB2	253	271	0.02%	0.003%
10	4.367	397	404	414	rBV3	987	3036	0.18%	0.031%
11	4.903	481	492	494	rBV	8482	16947	1.00%	0.171%
12	5.684	619	620	624	rBV	145	210	0.01%	0.002%
13	5.733	626	628	632	rVB	141	162	0.01%	0.002%
14	5.794	633	638	643	rBB2	292	540	0.03%	0.005%
15	5.946	654	663	669	rVB4	1048	2876	0.17%	0.029%
16	6.342	725	728	730	rVB2	134	161	0.01%	0.002%
17	7.086	841	850	859	rBV	9201	27703	1.63%	0.279%
18	7.647	932	942	954	rBB	87952	215143	12.63%	2.169%
19	7.866	976	978	981	rBB	148	147	0.01%	0.001%
20	7.909	982	985	989	rBB	136	206	0.01%	0.002%
21	8.104	1014	1017	1019	rBB2	140	161	0.01%	0.002%
22	8.147	1021	1024	1026	rBV	179	226	0.01%	0.002%
23	8.275	1035	1045	1061	rBV2	170174	494332	29.03%	4.984%
24	8.842	1129	1138	1148	rBV	185946	364684	21.42%	3.677%
25	9.073	1174	1176	1180	rBV	260	323	0.02%	0.003%
26	9.147	1186	1188	1191	rVV	141	182	0.01%	0.002%
27	9.214	1195	1199	1200	rVV2	461	422	0.02%	0.004%
28	9.275	1200	1209	1222	rVV	110433	228943	13.44%	2.308%
29	9.378	1223	1226	1232	rVV3	1508	2665	0.16%	0.027%
30	9.586	1254	1260	1261	rBV2	180	260	0.02%	0.003%
31	9.604	1261	1263	1267	rVB	306	351	0.02%	0.004%
32	9.756	1283	1288	1292	rBV3	715	1304	0.08%	0.013%
33	9.890	1304	1310	1315	rBV4	1290	2514	0.15%	0.025%
34	10.031	1318	1333	1341	rBV	61495	115127	6.76%	1.161%
35	10.128	1344	1349	1353	rVB2	718	1158	0.07%	0.012%
36	10.213	1357	1363	1364	rBV3	2109	3199	0.19%	0.032%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Title : SFAM01.0

37	10.244	1364	1368	1373	rVB	5635	9634	0.57%	0.097%
38	10.323	1373	1381	1389	rBV	258233	467260	27.44%	4.711%
39	10.384	1389	1391	1397	rVB	3576	5276	0.31%	0.053%
40	10.433	1397	1399	1401	rVB	278	282	0.02%	0.003%
41	10.482	1403	1407	1408	rBV	249	279	0.02%	0.003%
42	10.500	1408	1410	1415	rVB2	587	872	0.05%	0.009%
43	10.573	1415	1422	1429	rBV	37821	67414	3.96%	0.680%
44	10.665	1433	1437	1440	rBV3	1287	2013	0.12%	0.020%
45	10.707	1440	1444	1448	rVB2	1627	2622	0.15%	0.026%
46	10.768	1448	1454	1459	rBV5	3105	6288	0.37%	0.063%
47	10.847	1461	1467	1472	rVB5	7086	13736	0.81%	0.139%
48	10.927	1472	1480	1488	rBV2	52314	96514	5.67%	0.973%
49	11.036	1492	1498	1505	rBV2	15235	31530	1.85%	0.318%
50	11.110	1505	1510	1517	rBV	13906	24814	1.46%	0.250%
51	11.177	1517	1521	1524	rBV2	4806	7546	0.44%	0.076%
52	11.225	1524	1529	1535	rVB2	20089	40112	2.36%	0.404%
53	11.274	1535	1537	1541	rVB3	1890	2441	0.14%	0.025%
54	11.329	1541	1546	1550	rBV4	14537	24105	1.42%	0.243%
55	11.378	1550	1554	1558	rVV3	9257	15847	0.93%	0.160%
56	11.433	1558	1563	1571	rVB2	36426	63722	3.74%	0.643%
57	11.500	1571	1574	1579	rBV2	5072	7191	0.42%	0.073%
58	11.561	1580	1584	1586	rBV5	3407	4886	0.29%	0.049%
59	11.628	1588	1595	1608	rBV	259838	453522	26.63%	4.573%
60	11.731	1608	1612	1613	rBV	5257	6955	0.41%	0.070%
61	11.762	1614	1617	1620	rVV	12780	19284	1.13%	0.194%
62	11.805	1620	1624	1630	rVV5	27854	71519	4.20%	0.721%
63	11.872	1630	1635	1639	rVV	158212	261281	15.34%	2.635%
64	11.914	1639	1642	1648	rVB	94154	145372	8.54%	1.466%
65	11.975	1648	1652	1654	rBV4	4376	7043	0.41%	0.071%
66	12.134	1670	1678	1690	rBV4	82240	229980	13.51%	2.319%
67	12.250	1693	1697	1701	rVB	42180	60294	3.54%	0.608%
68	12.298	1701	1705	1708	rBV2	36105	63361	3.72%	0.639%
69	12.384	1714	1719	1725	rVB	219508	342876	20.13%	3.457%
70	12.561	1744	1748	1751	rBV2	28887	39045	2.29%	0.394%
71	12.609	1752	1756	1762	rVB4	30900	59687	3.51%	0.602%
72	12.695	1762	1770	1776	rBV2	100485	238372	14.00%	2.404%
73	12.774	1779	1783	1790	rVB2	96792	189551	11.13%	1.911%
74	12.859	1790	1797	1800	rBV5	53650	118958	6.99%	1.199%
75	12.939	1805	1810	1815	rVV5	133454	274388	16.11%	2.767%
76	12.987	1816	1818	1823	rVB3	40331	56753	3.33%	0.572%

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 Title : SFAM01.0

77	13.079	1829	1833	1837	rBV4	39202	59460	3.49%	0.600%
78	13.164	1843	1847	1855	rVB4	47142	98985	5.81%	0.998%
79	13.249	1856	1861	1865	rBV	86565	142091	8.34%	1.433%
80	13.378	1879	1882	1884	rBV3	21609	30242	1.78%	0.305%
81	13.475	1896	1898	1902	rVB2	20820	26133	1.53%	0.264%
82	13.554	1905	1911	1919	rBV	283648	502325	29.50%	5.065%
83	13.853	1954	1960	1962	rBV	236753	415862	24.42%	4.193%
84	14.201	2012	2017	2021	rBV3	17051	33072	1.94%	0.333%
85	14.255	2022	2026	2032	rVV6	25451	50739	2.98%	0.512%
86	14.322	2033	2037	2042	rVB7	28981	51974	3.05%	0.524%
87	14.414	2049	2052	2056	rVV	107205	139557	8.20%	1.407%
88	14.451	2056	2058	2062	rVB	53982	63101	3.71%	0.636%
89	14.725	2100	2103	2108	rBV2	9902	14942	0.88%	0.151%
90	14.810	2109	2117	2122	rBV5	32495	83295	4.89%	0.840%
91	14.999	2144	2148	2154	rBV4	26051	46251	2.72%	0.466%
92	15.060	2155	2158	2164	rVB3	19197	30589	1.80%	0.308%
93	15.359	2197	2207	2218	rBV	932848	1702900	100.00%	17.171%
94	15.463	2220	2224	2229	rVB	19754	35733	2.10%	0.360%
95	15.652	2248	2255	2261	rBV3	29214	67958	3.99%	0.685%
96	15.944	2298	2303	2308	rBV6	23403	46213	2.71%	0.466%
97	16.151	2332	2337	2344	rBV4	13963	31401	1.84%	0.317%
98	16.371	2364	2373	2378	rBV5	40965	112206	6.59%	1.131%
99	16.432	2378	2383	2398	rVB	126556	309000	18.15%	3.116%
100	16.639	2409	2417	2427	rVB	210721	495210	29.08%	4.993%

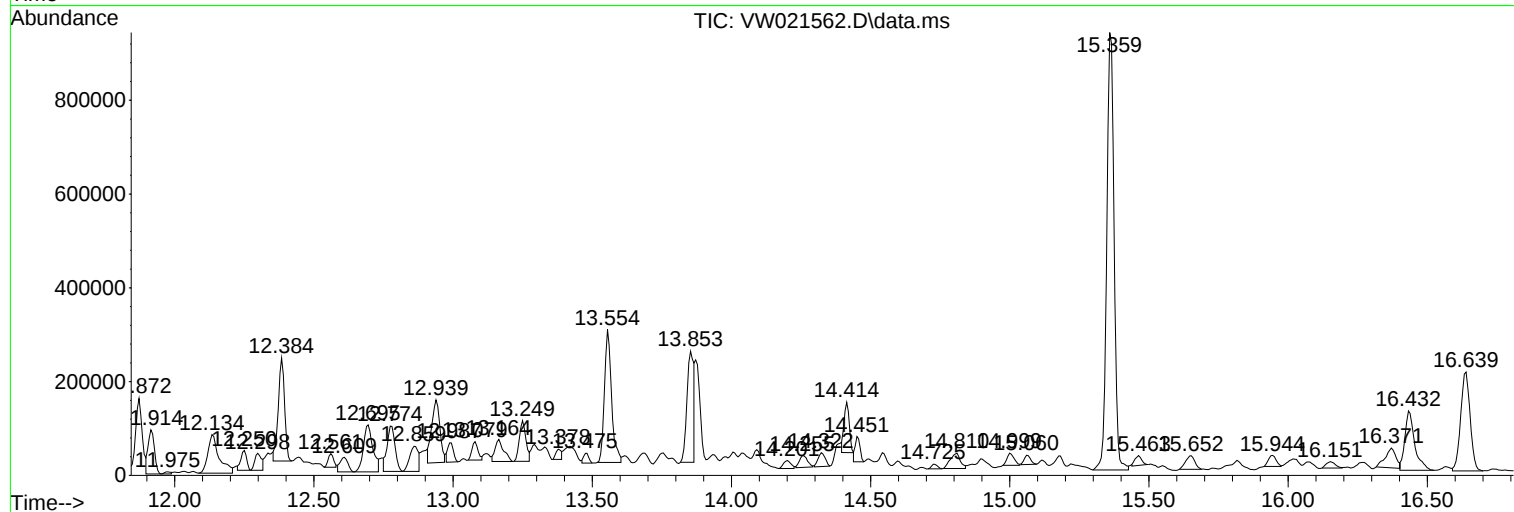
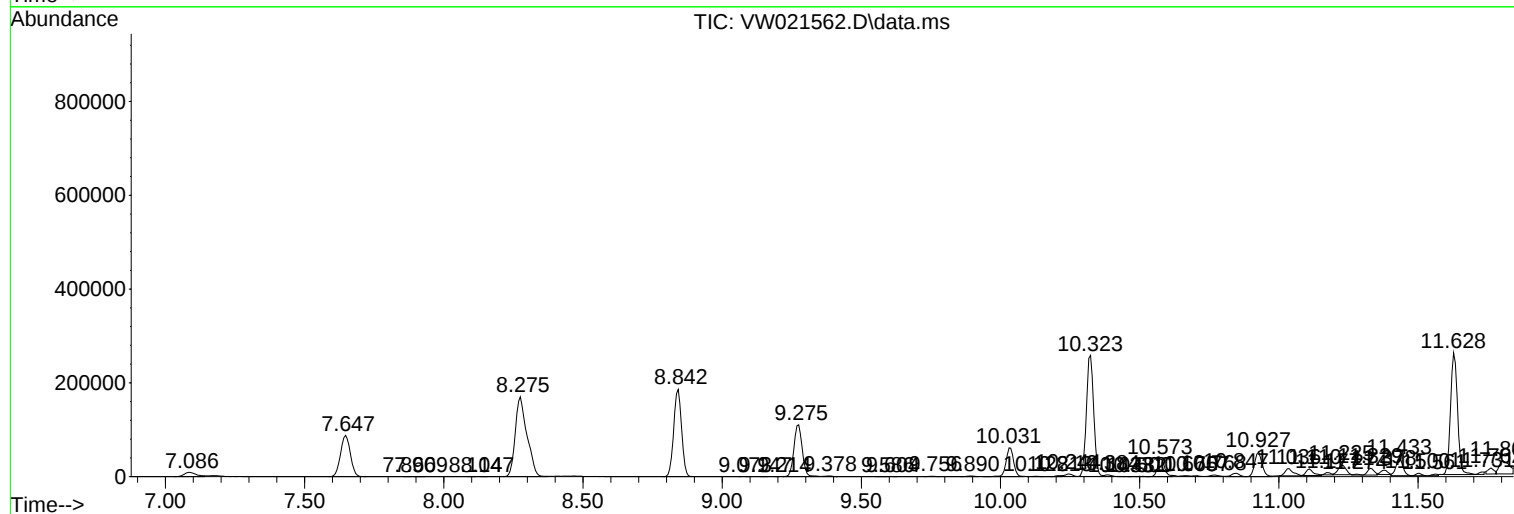
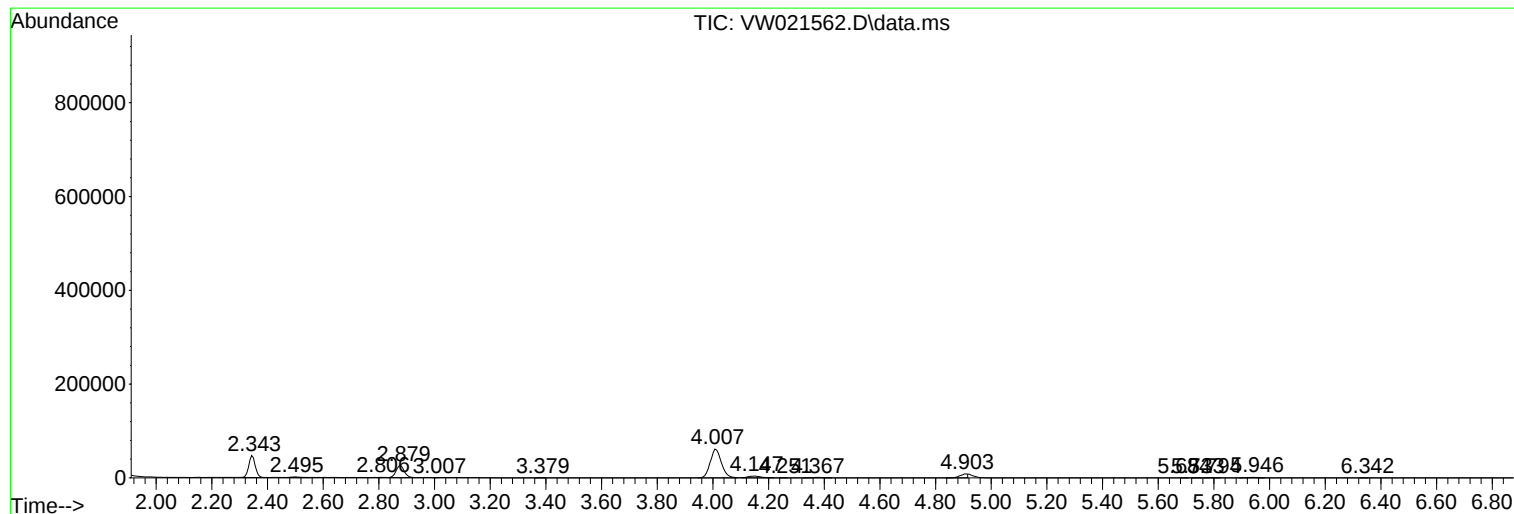
Sum of corrected areas: 9917512

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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



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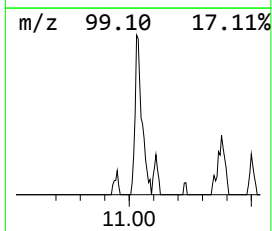
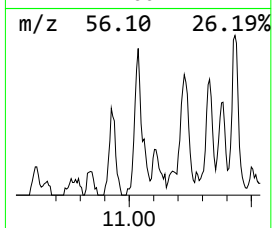
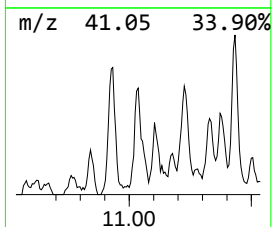
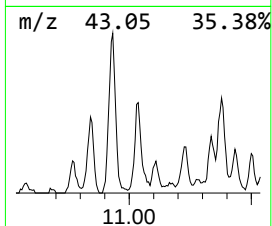
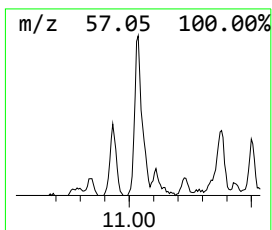
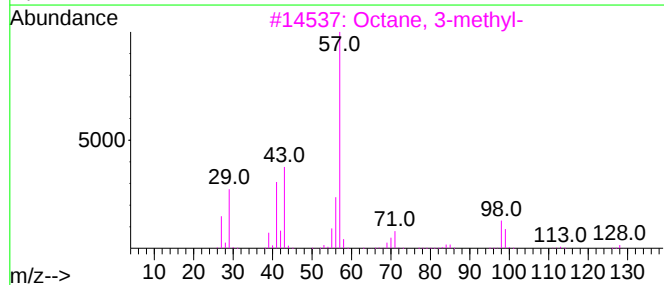
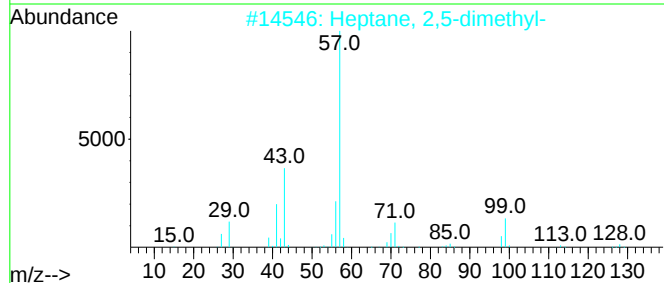
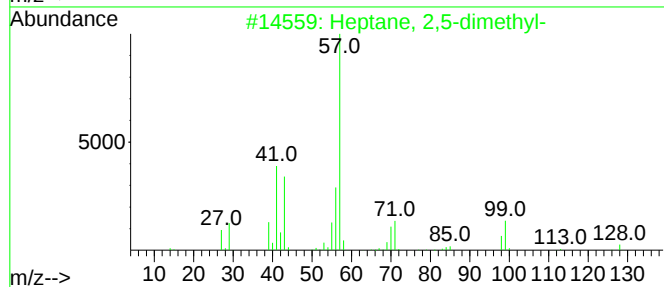
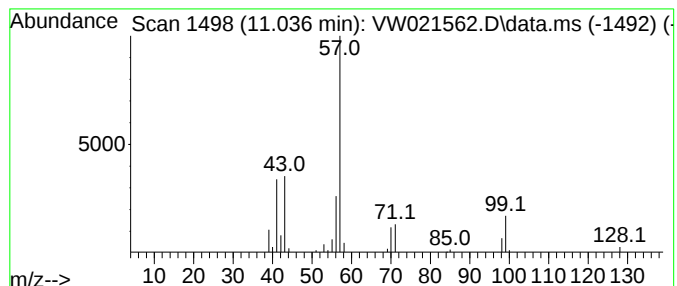
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.037	1.74 ug/L	31530	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
2			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
3			Octane, 3-methyl-	128	C9H20	002216-33-3	72
4			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	72
5			Octane, 3-methyl-	128	C9H20	002216-33-3	72



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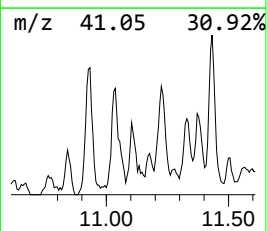
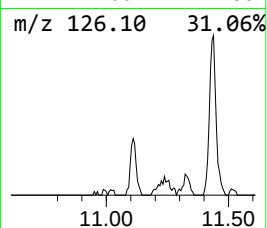
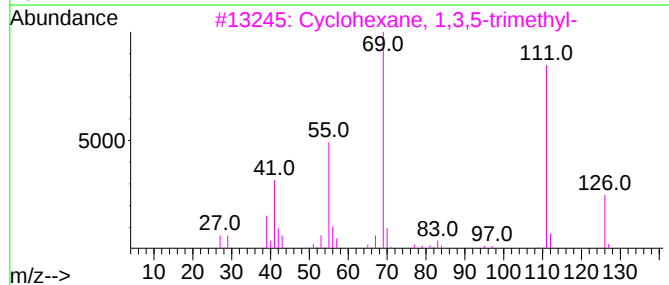
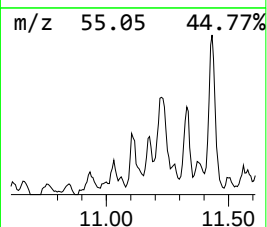
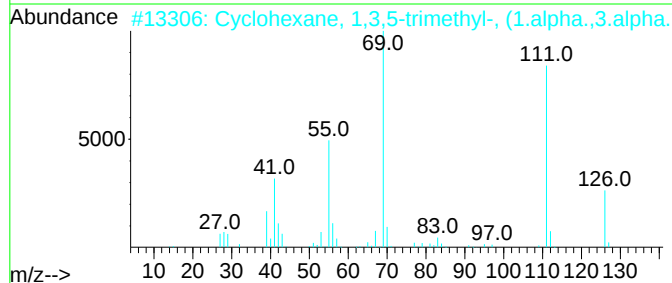
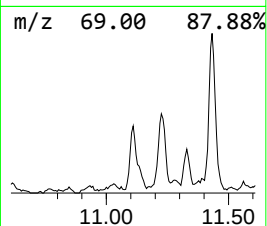
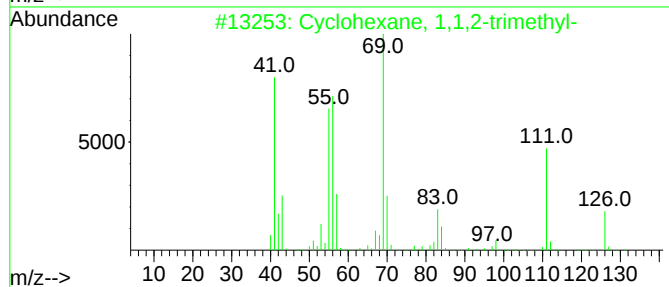
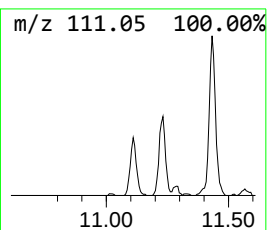
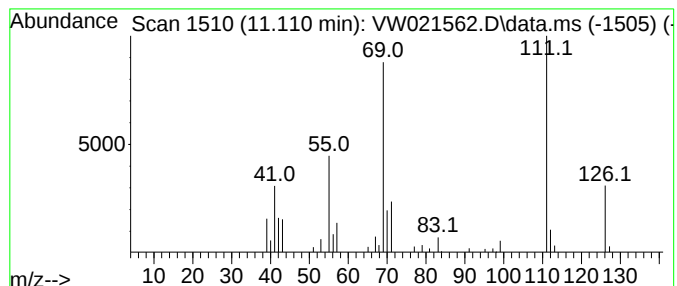
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Cyclic11.110 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.110	1.37 ug/L	24814	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	83
2			Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	81
3			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	81
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	74
5			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	72



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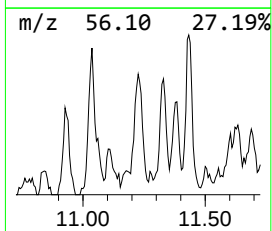
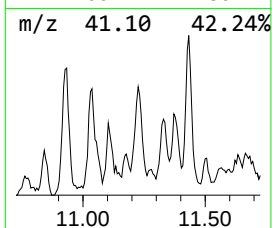
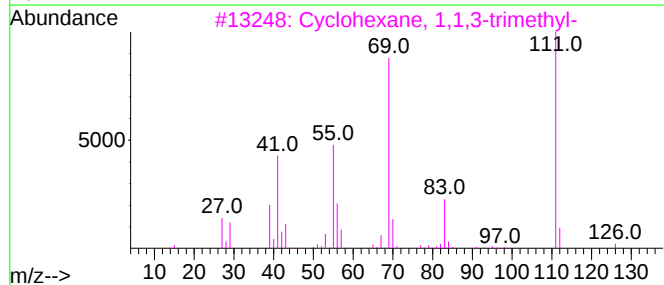
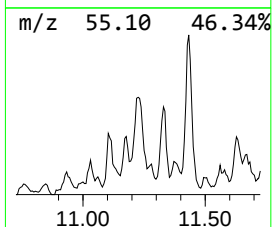
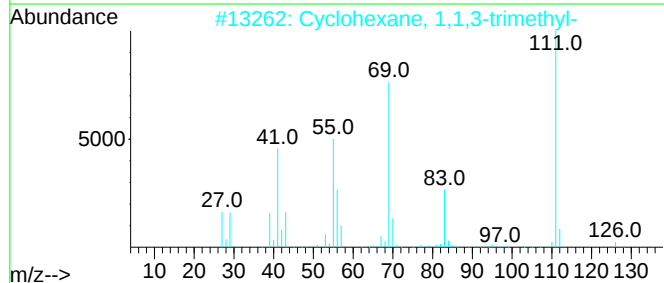
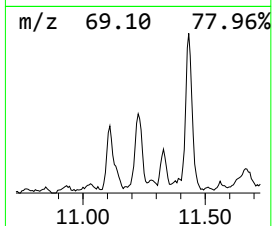
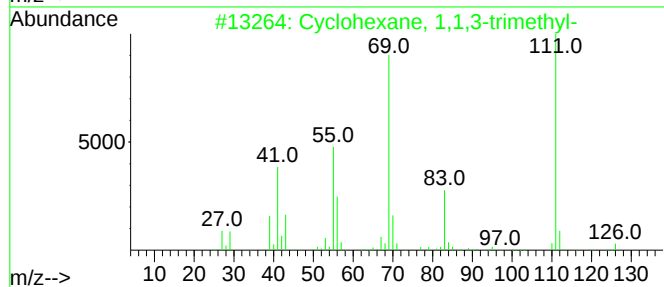
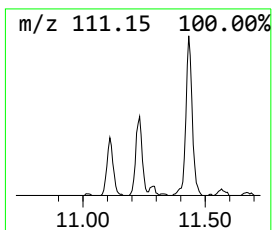
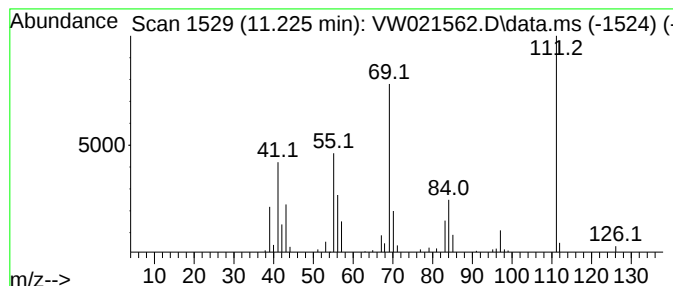
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Cyclic11.226 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.226	2.21 ug/L	40112	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	74
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	58
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	53
5			Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL81

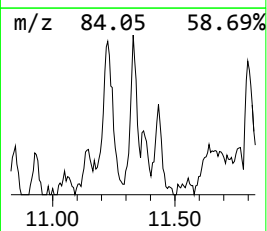
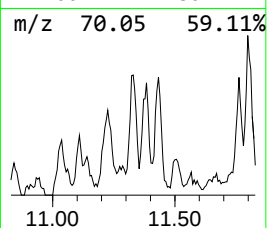
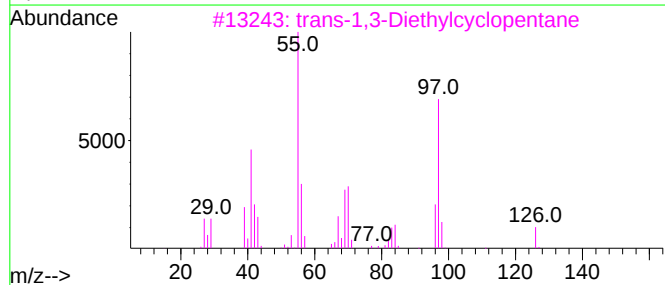
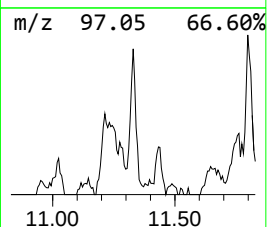
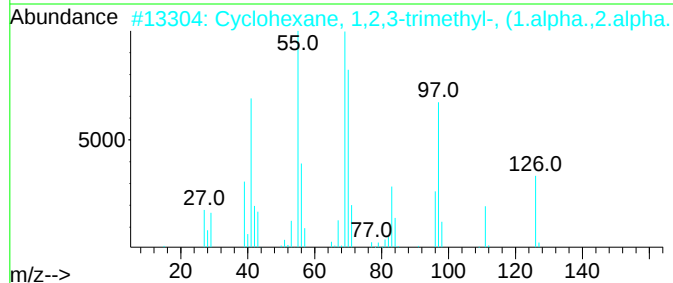
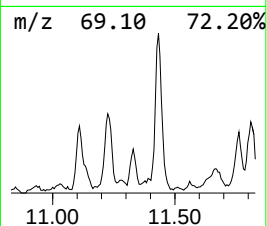
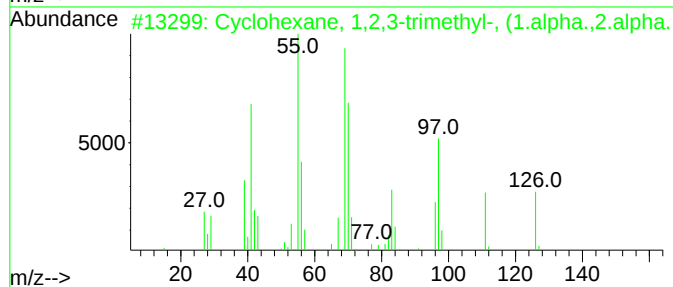
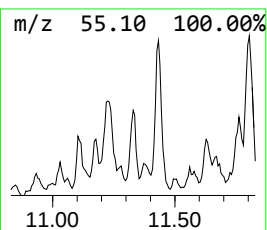
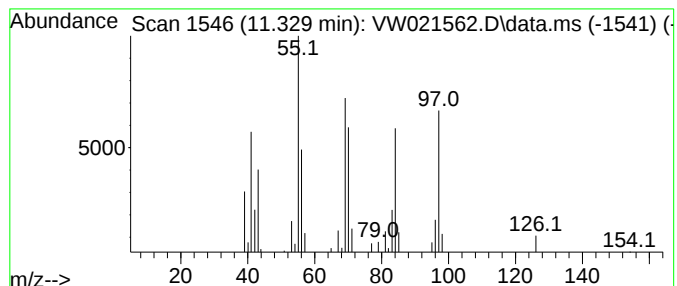
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Cyclic11.329 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.329	1.33 ug/L	24105	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	007667-55-2	64
2			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001839-88-9	58
3			trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	53
4			2-Nonene, (E)-	126	C9H18	006434-78-2	52
5			trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL81

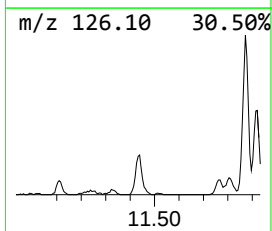
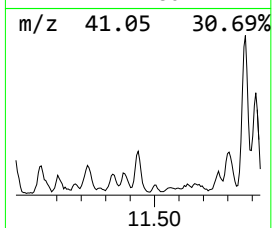
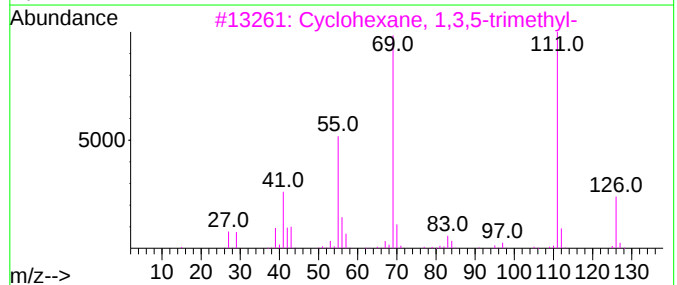
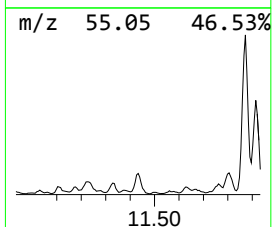
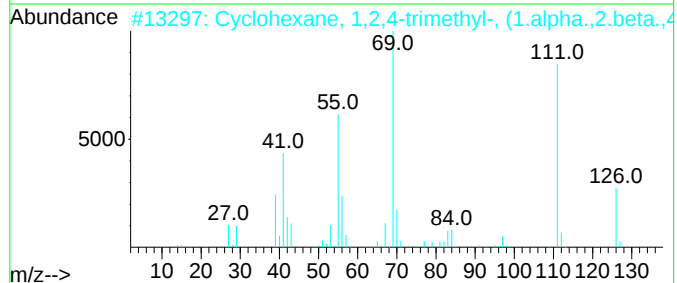
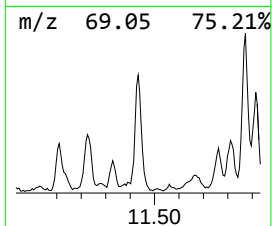
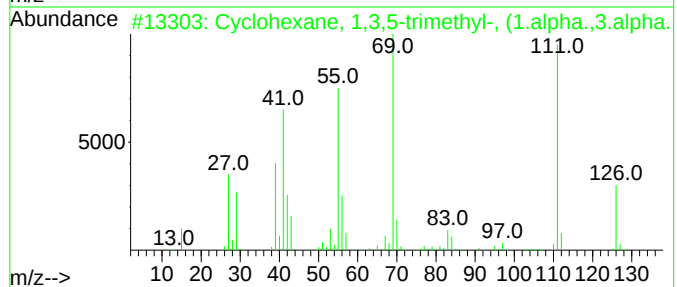
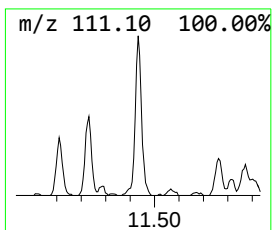
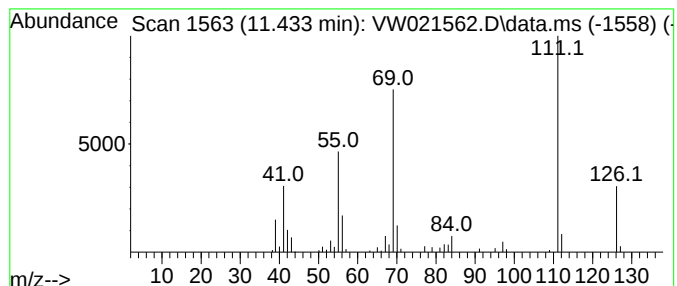
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Cyclic11.433 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.433	3.51 ug/L	63722	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	91
2			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	91
3			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
4			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	91
5			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL81

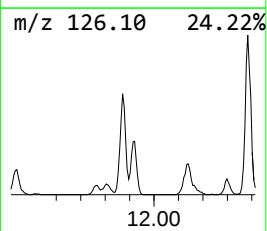
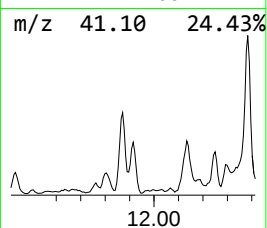
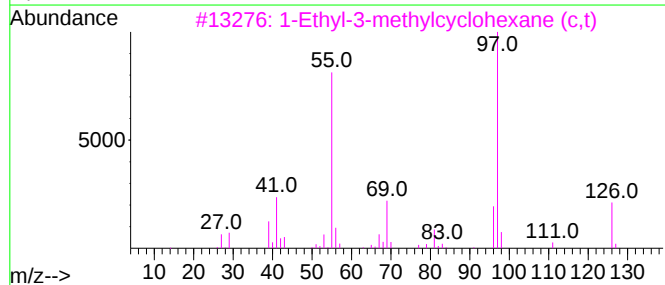
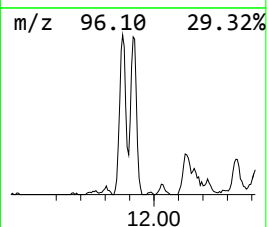
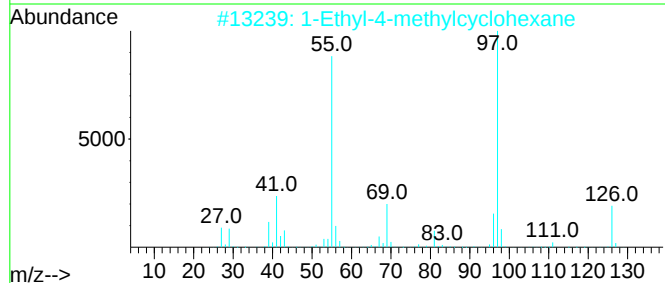
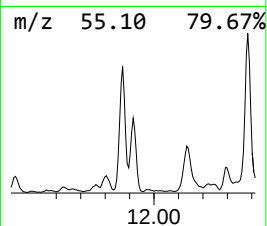
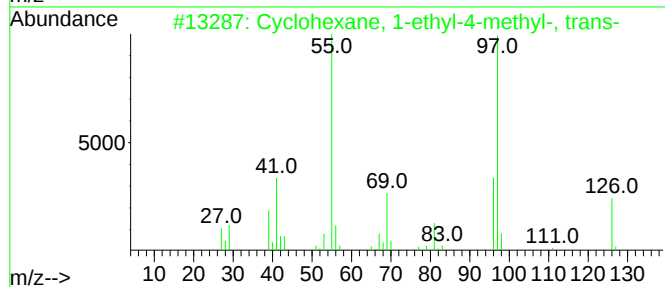
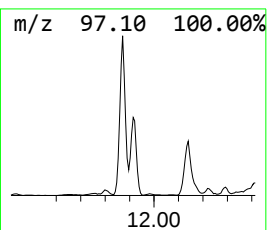
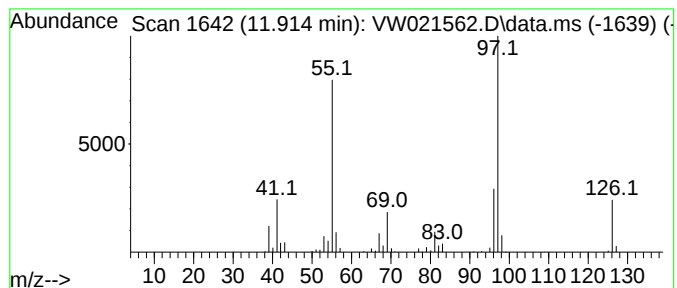
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Cyclic11.914 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.914	8.01 ug/L	145372	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	91
2			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
3			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	90
4			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	90
5			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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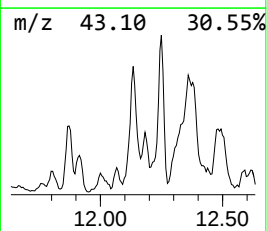
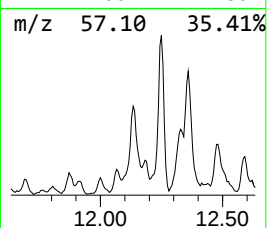
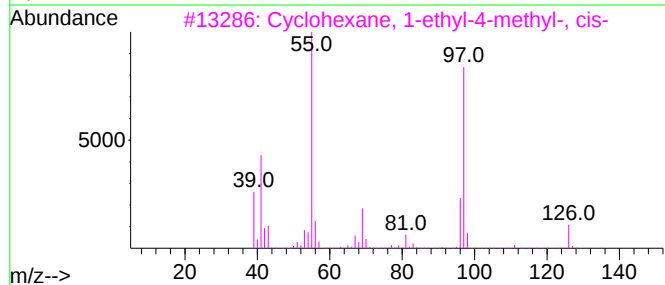
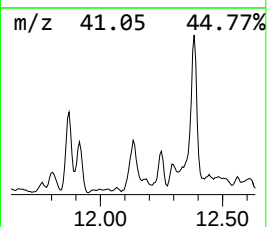
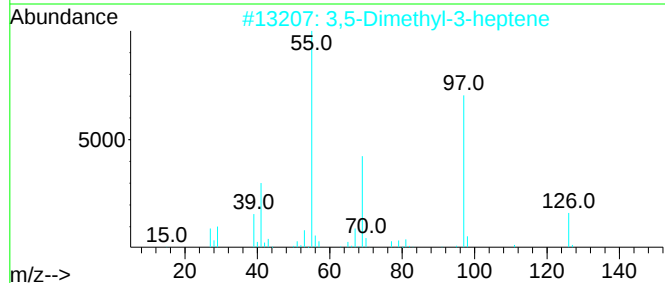
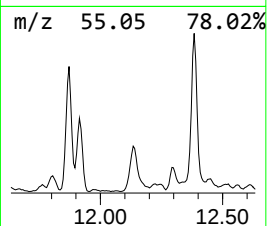
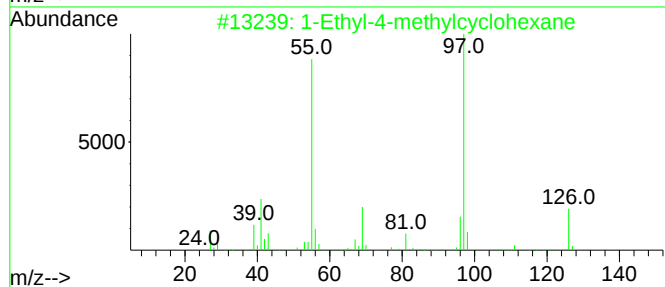
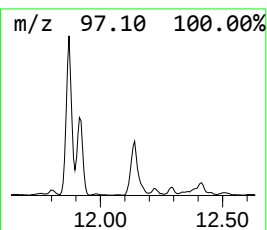
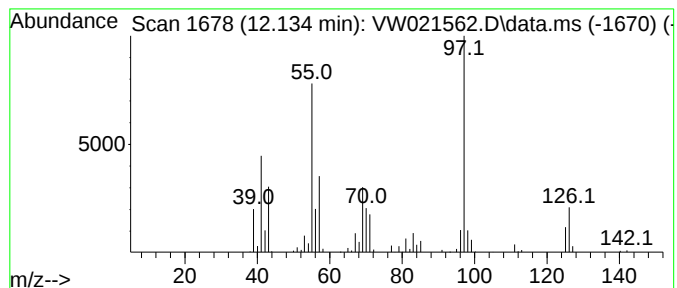
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic12.134 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.134	12.68 ug/L	229980	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	62
2			3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	62
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	62
4			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	62
5			3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL81

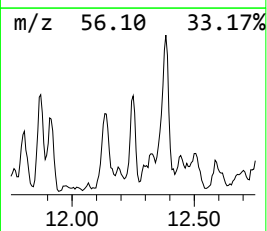
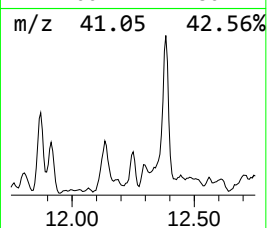
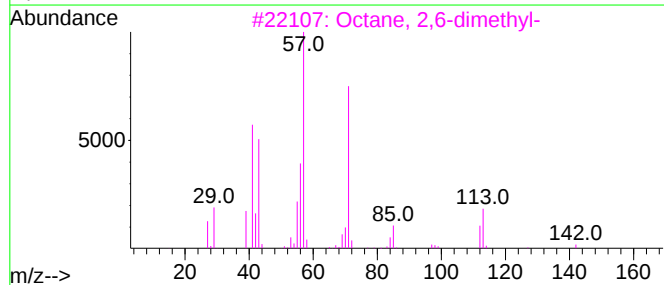
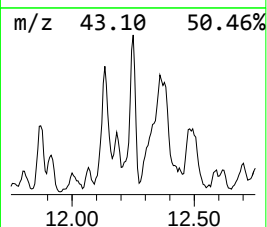
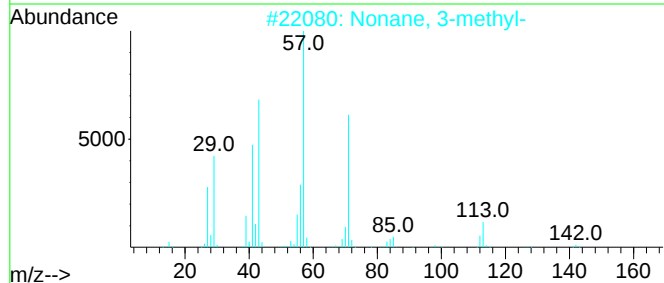
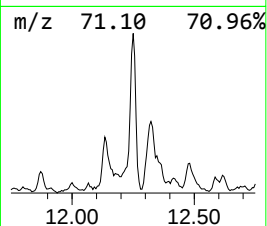
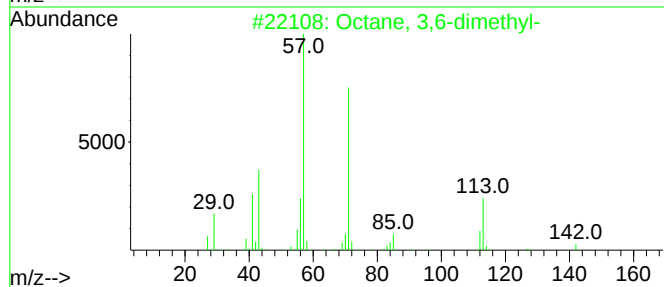
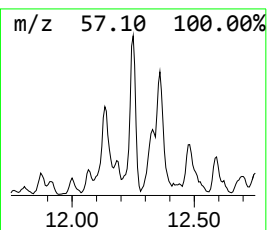
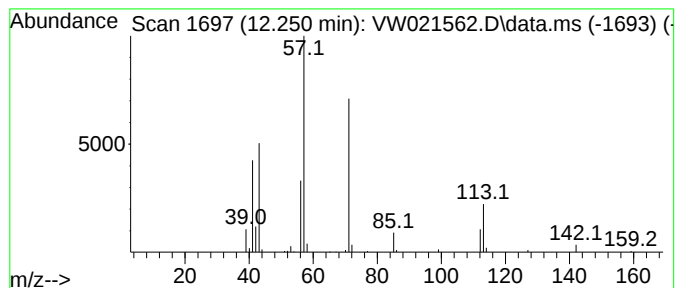
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.250	3.32 ug/L	60294	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
2			Nonane, 3-methyl-	142	C10H22	005911-04-6	78
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
4			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
5			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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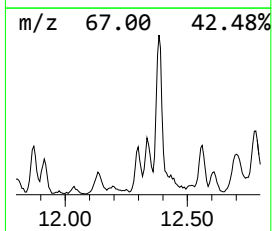
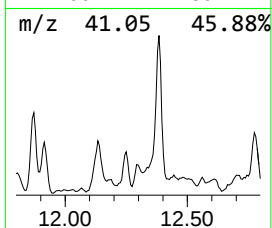
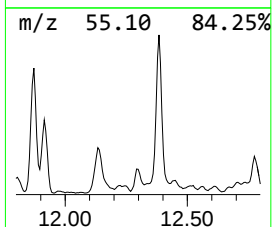
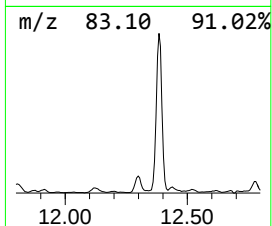
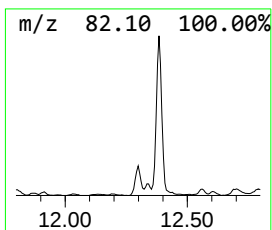
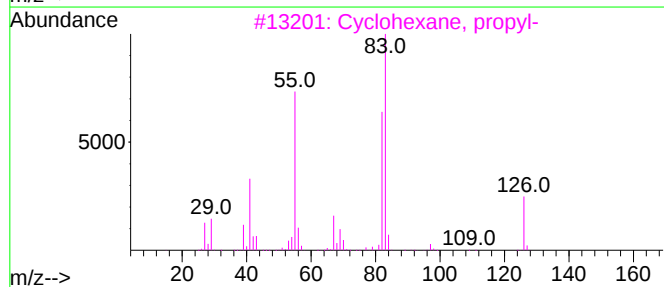
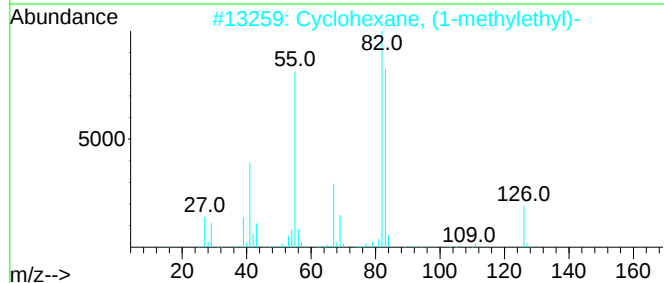
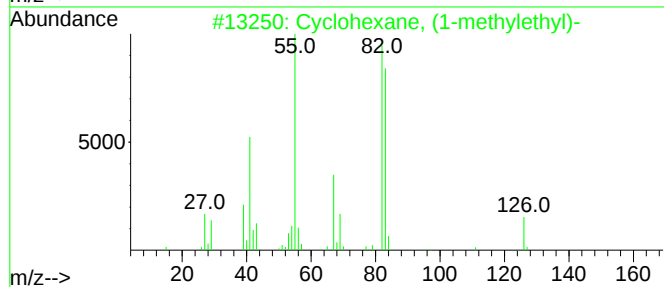
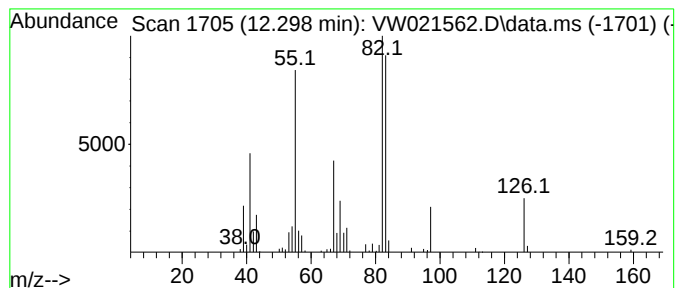
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Cyclic12.298 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.298	3.49 ug/L	63361	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
2			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	76
3			Cyclohexane, propyl-	126	C9H18	001678-92-8	49
4			Fumaric acid, cis-hex-3-enyl tri...	380	C23H40O4	1000348-86-8	47
5			(Z)-(Z)-Hex-3-en-1-yl 2-methylbu...	182	C11H18O2	084060-80-0	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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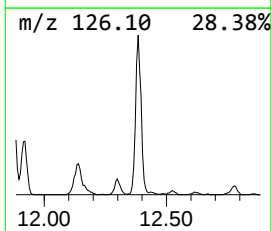
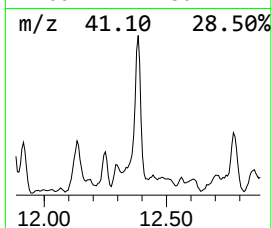
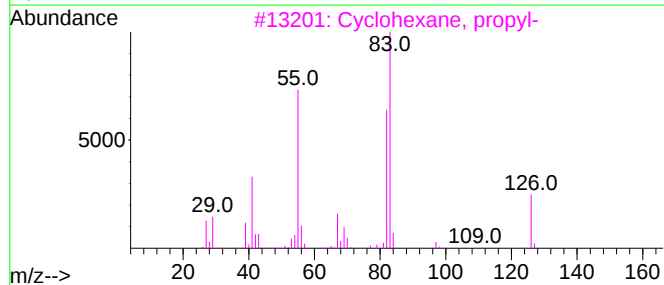
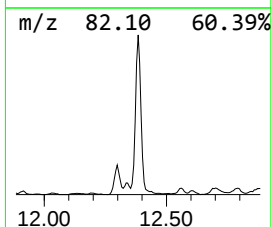
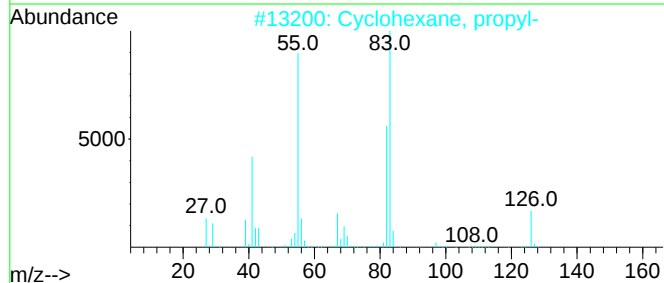
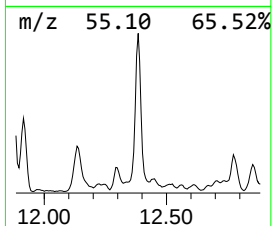
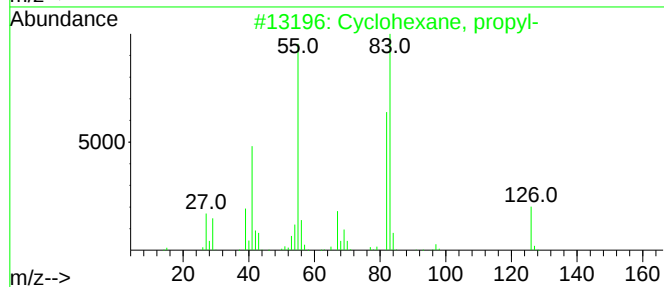
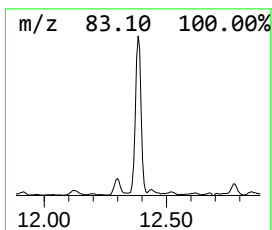
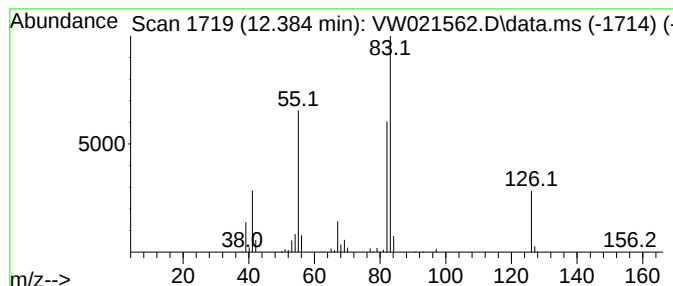
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Cyclic12.384 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.384	18.90 ug/L	342876	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, propyl-	126	C9H18	001678-92-8	90
2			Cyclohexane, propyl-	126	C9H18	001678-92-8	90
3			Cyclohexane, propyl-	126	C9H18	001678-92-8	87
4			Cyclohexane, propyl-	126	C9H18	001678-92-8	86
5			Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

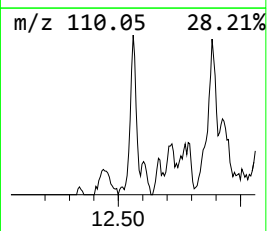
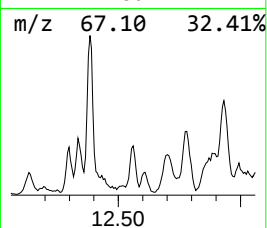
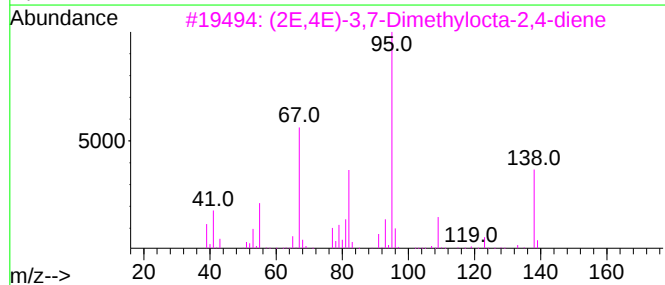
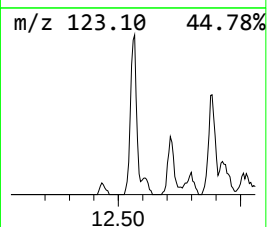
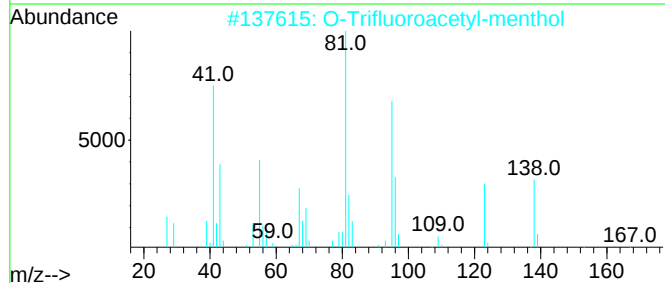
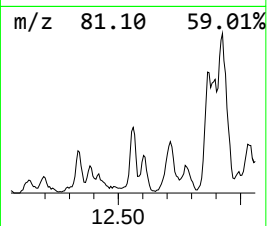
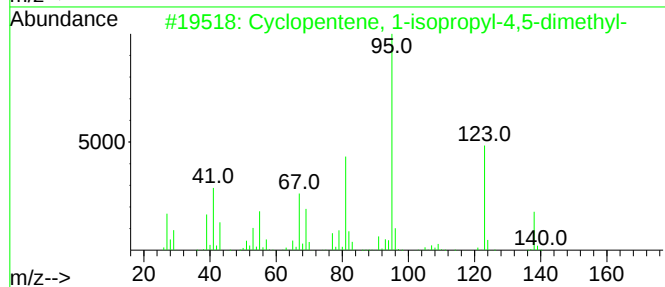
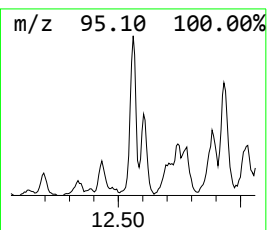
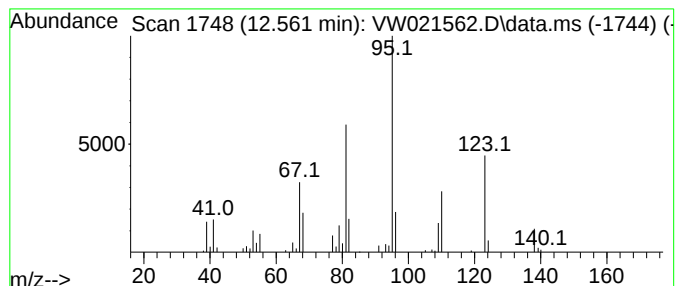
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 12 Cyclopentene, 1-isopropyl-4... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.561	2.15 ug/L	39045	Chlorobenzene-d5	11.628	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-isopropyl-4,5-di...	138	C10H18	007712-74-5	72
2	O-Trifluoroacetyl-menthol	252	C12H19F3O2	028587-50-0	53
3	(2E,4E)-3,7-Dimethylocta-2,4-diene	138	C10H18	006874-39-1	52
4	5,7-Octadien-3-ol, 2,4,4,7-tetra...	182	C12H22O	077142-78-0	50
5	Furan, 2-ethyl-5-methyl-	110	C7H10O	001703-52-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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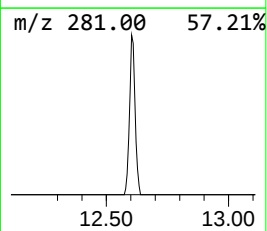
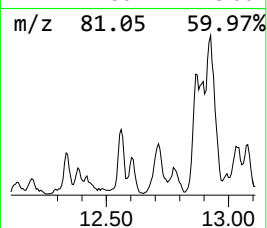
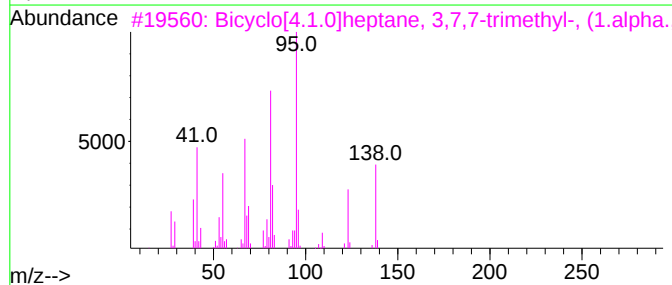
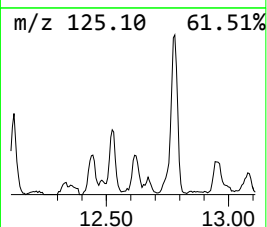
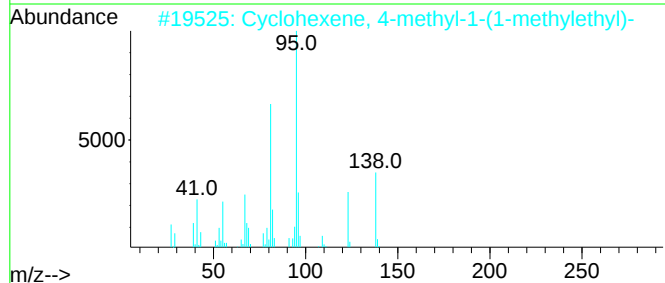
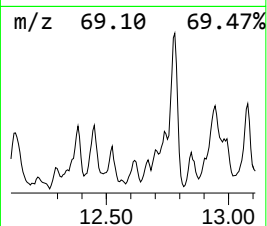
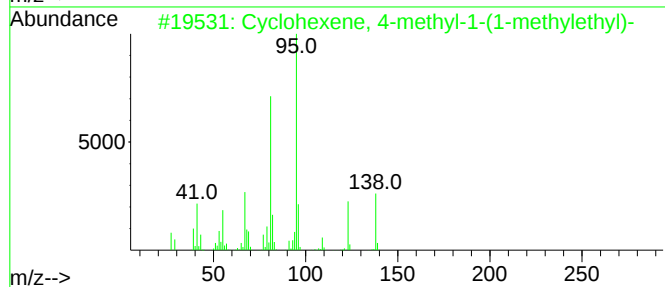
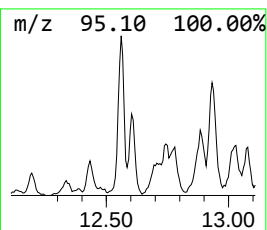
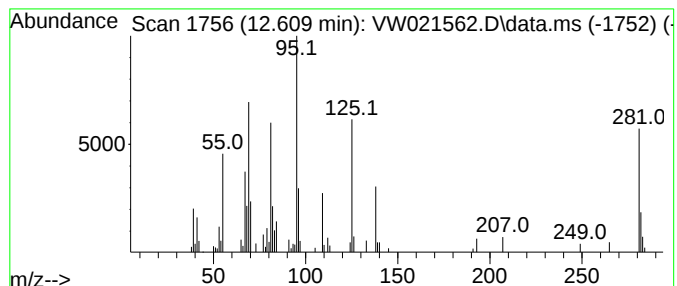
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Quant Title : SFAM01.0

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

Peak Number 13 Cyclohexene, 4-methyl-1-(1-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.609	2.97 ug/L	59687	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	50
2			Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	50
3			Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	46
4			Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	024399-15-3	45
5			Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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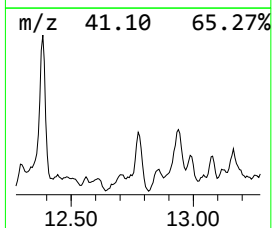
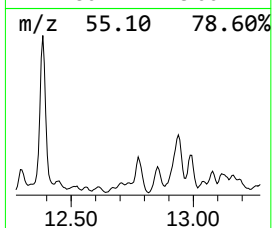
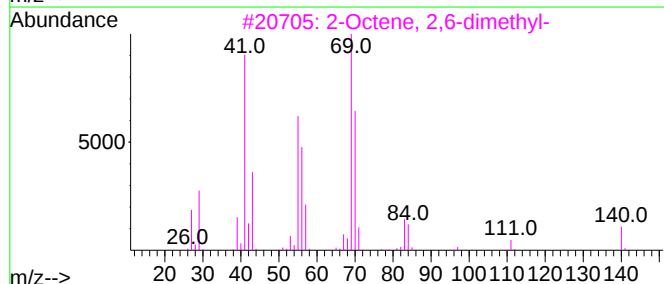
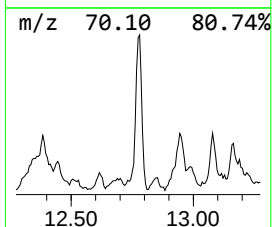
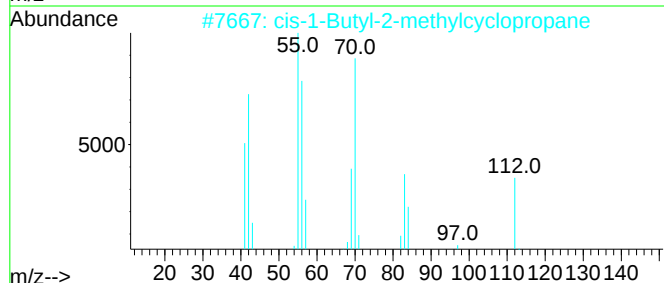
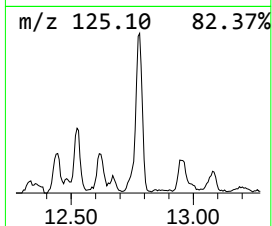
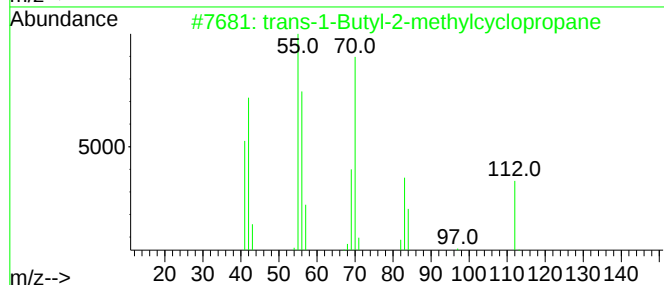
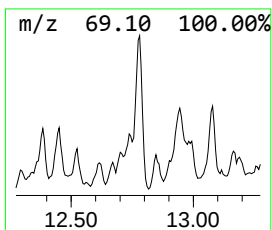
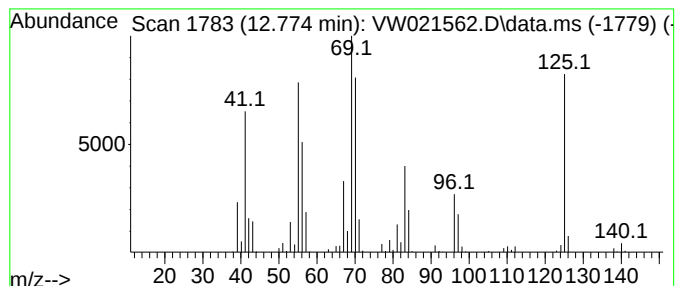
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Cyclic12.774 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.774	9.43 ug/L	189551	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	50
2			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	50
3			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	47
4			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	47
5			Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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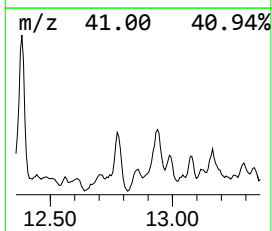
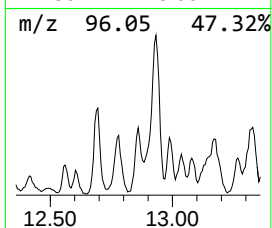
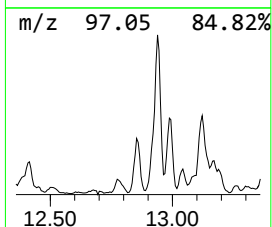
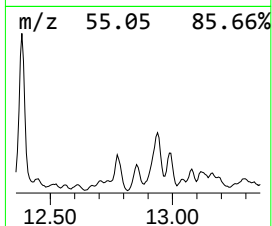
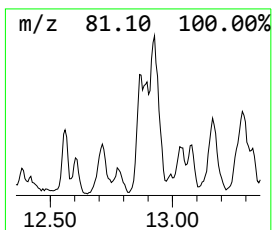
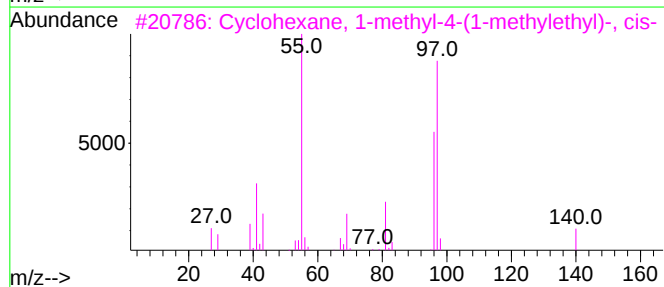
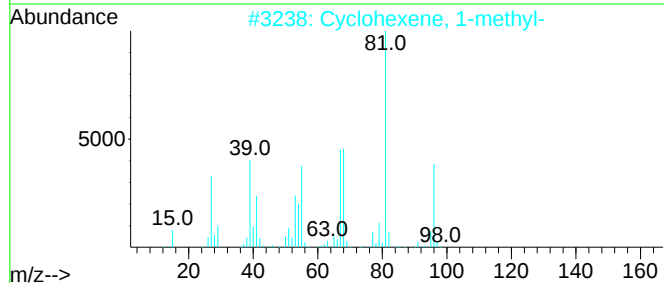
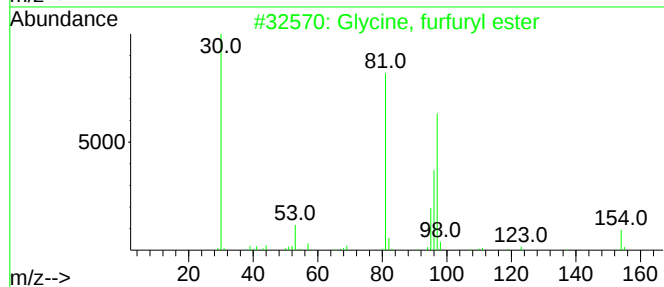
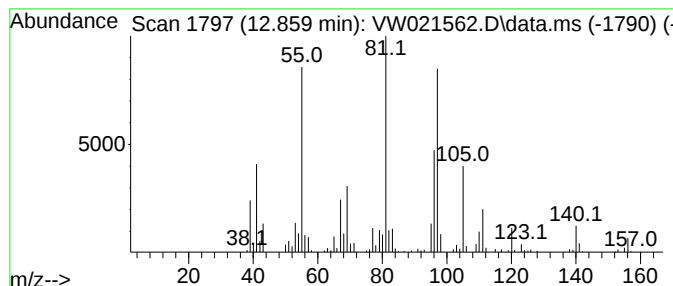
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Quant Title : SFAM01.0

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

Peak Number 15 Glycine, furfuryl ester Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	5.92 ug/L	118958	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Glycine, furfuryl ester	155	C7H9NO3	1000306-78-7	58
2			Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	46
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	43
4			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	43
5			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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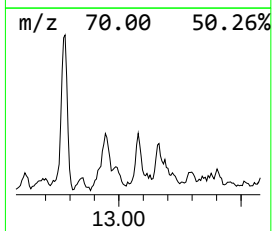
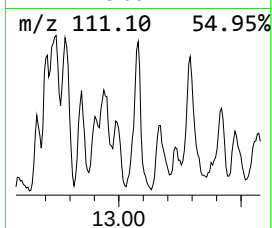
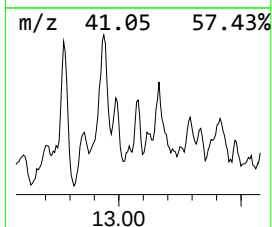
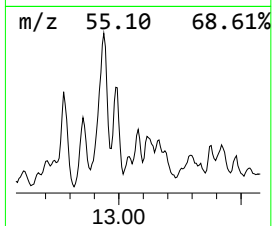
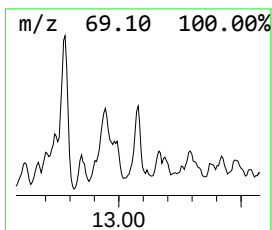
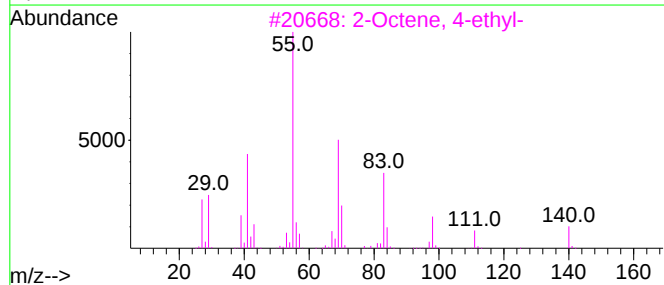
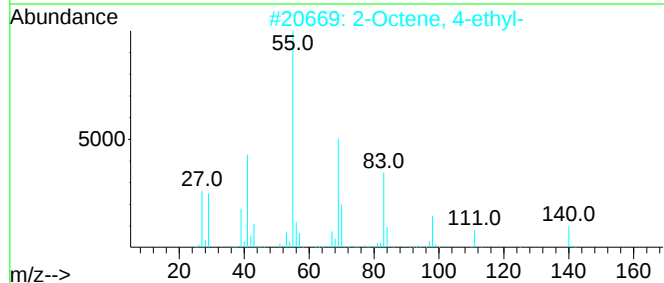
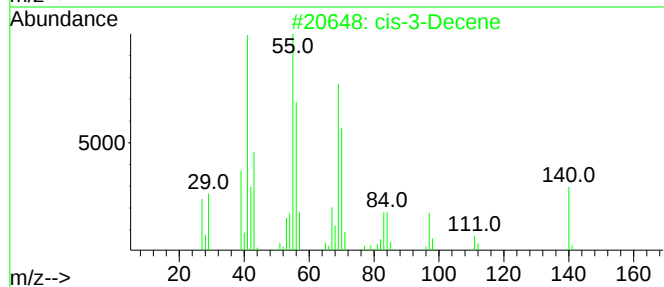
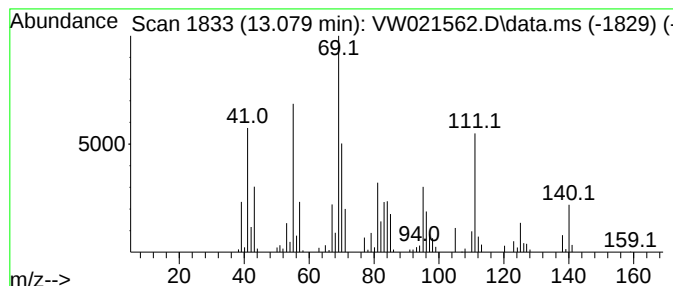
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.079	2.96 ug/L	59460	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis-3-Decene	140	C10H20	019398-86-8	64
2			2-Octene, 4-ethyl-	140	C10H20	053966-52-2	52
3			2-Octene, 4-ethyl-	140	C10H20	053966-52-2	52
4			6-Ethyl-2,3-dihydropyran-2,4-dione	140	C7H8O3	004435-30-7	49
5			4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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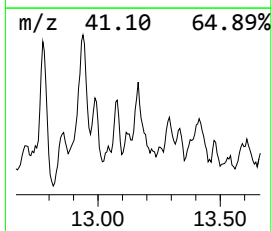
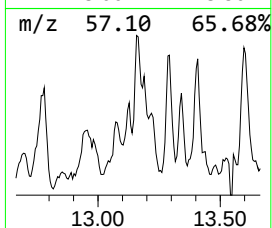
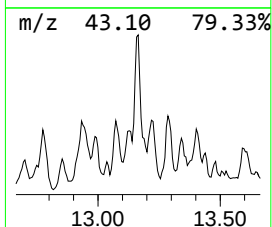
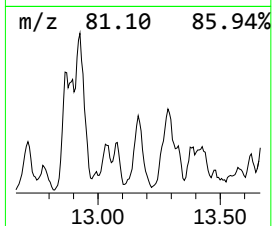
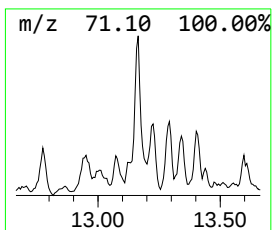
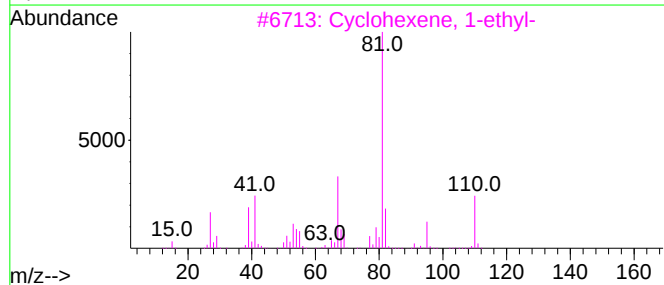
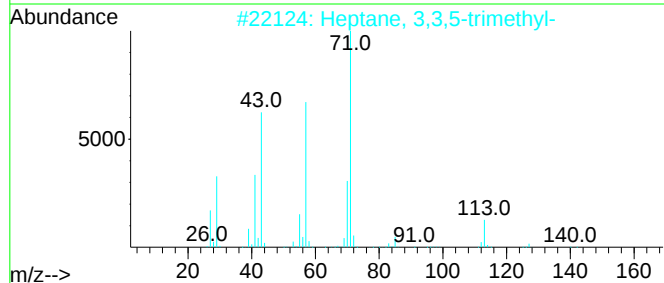
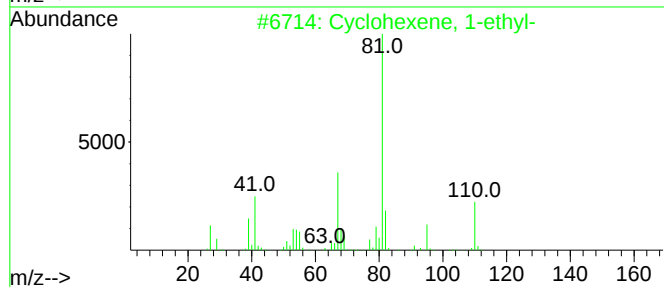
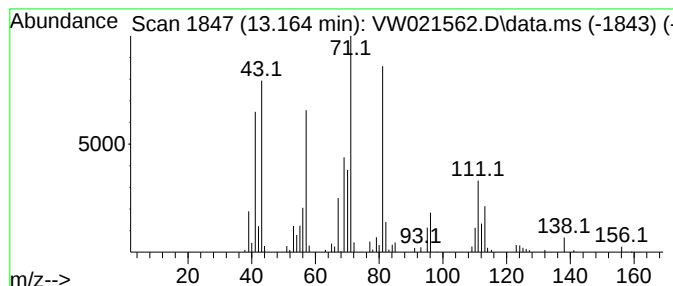
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Quant Title : SFAM01.0

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

Peak Number 17 unknown-01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	4.93 ug/L	98985	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	38
2			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	35
3			Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	30
4			Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	27
5			Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL81

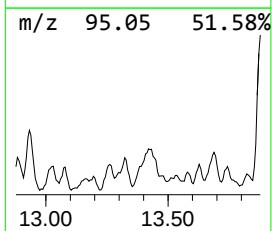
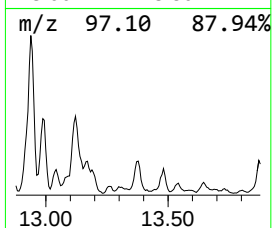
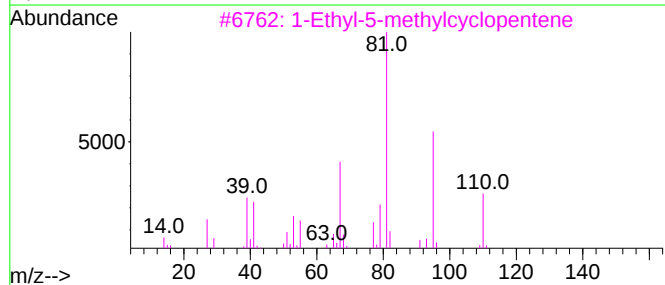
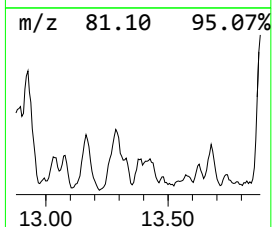
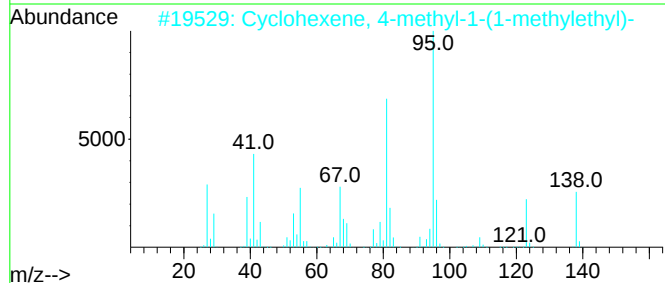
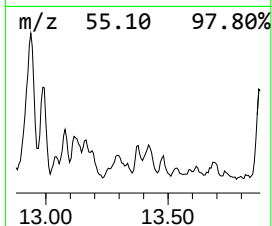
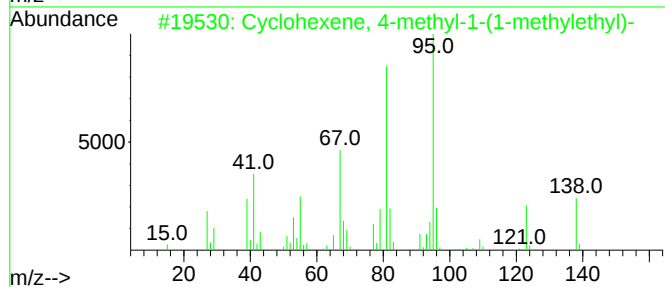
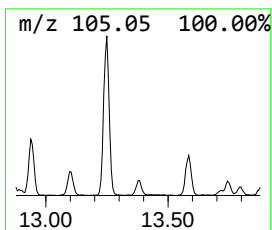
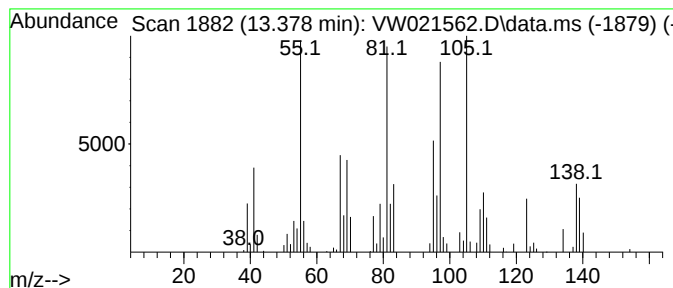
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Quant Title : SFAM01.0

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

Peak Number 18 unknown-02 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.378	1.51 ug/L	30242	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	64
2			Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	43
3			1-Ethyl-5-methylcyclopentene	110	C8H14	097797-57-4	43
4			Methyl ethyl cyclopentene	110	C8H14	019780-56-4	43
5			Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL81

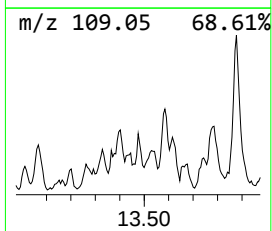
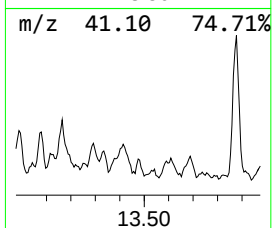
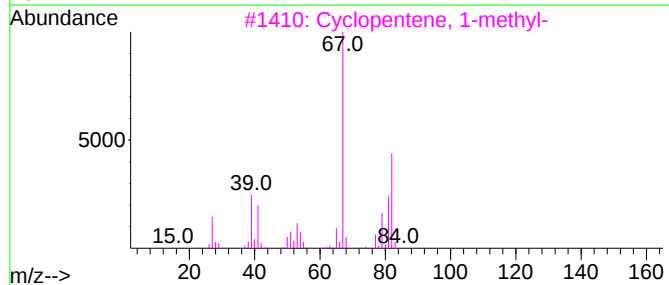
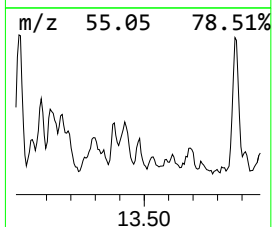
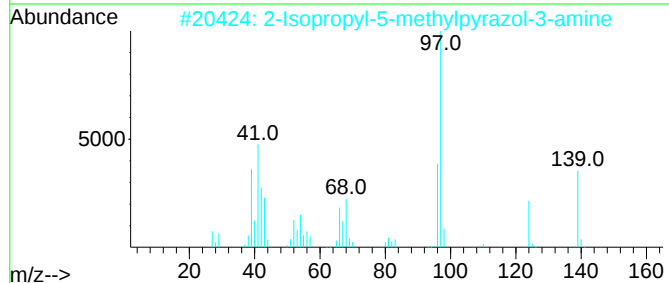
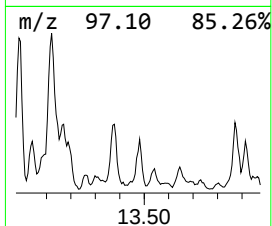
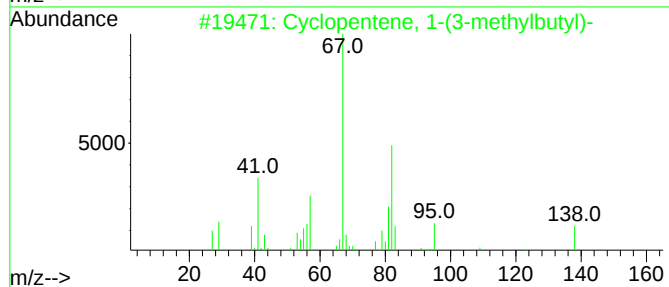
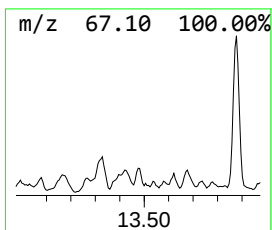
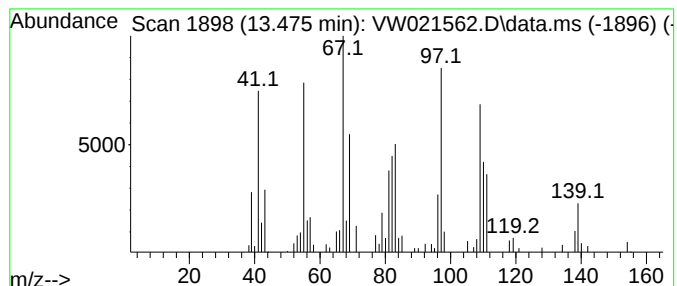
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Quant Title : SFAM01.0

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

Peak Number 19 unknown-03 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.475	1.30 ug/L	26133	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentene, 1-(3-methylbutyl)-	138	C10H18	037689-15-9	25
2			2-Isopropyl-5-methylpyrazol-3-amine	139	C7H13N3	001124-16-9	18
3			Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	18
4			Cyclopentane, (1-methylbutyl)-	140	C10H20	004737-43-3	15
5			2-Cyclopenten-1-one, 2,3-dimethyl-	110	C7H10O	001121-05-7	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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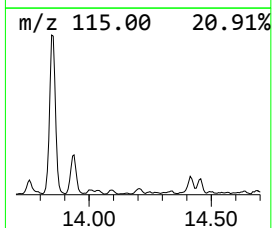
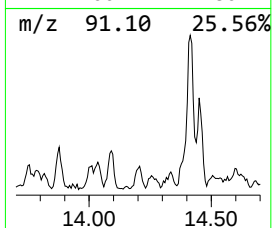
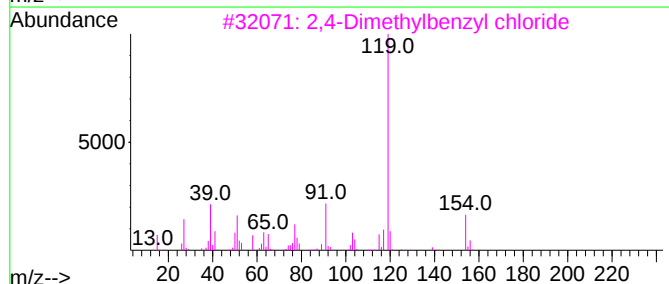
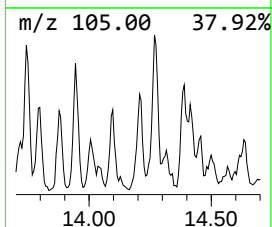
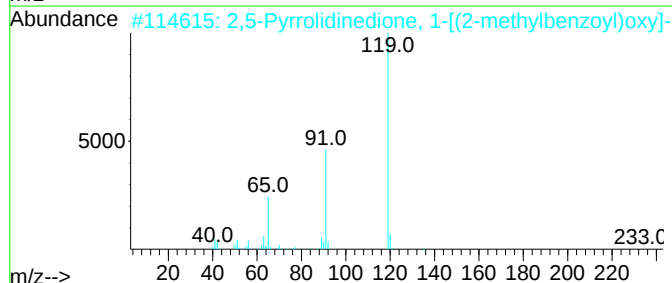
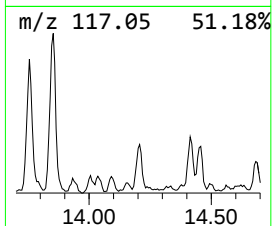
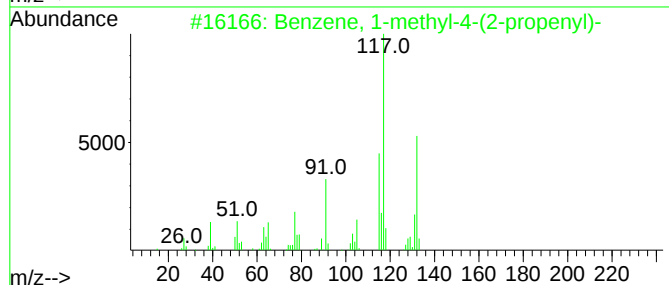
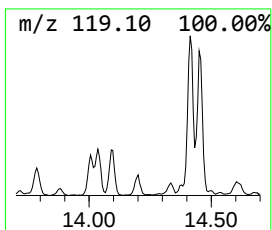
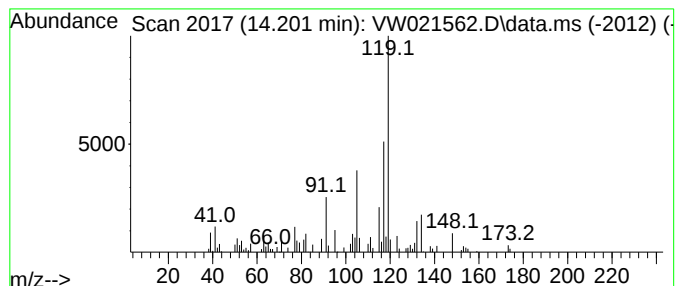
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Quant Title : SFAM01.0

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

Peak Number 20 unknown-04 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.201	1.65 ug/L	33072	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	38
2			2,5-Pyrrolidinedione, 1-[(2-meth...	233	C12H11NO4	110920-14-4	27
3			2,4-Dimethylbenzyl chloride	154	C9H11Cl	000824-55-5	27
4			Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	25
5			(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

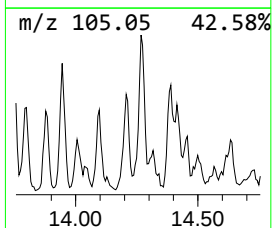
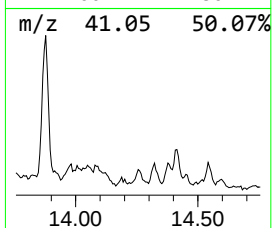
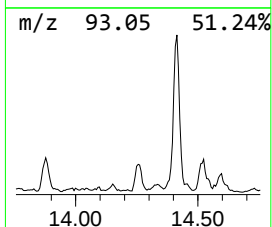
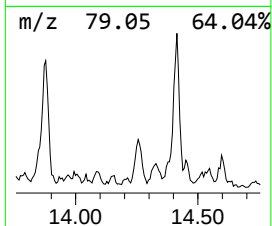
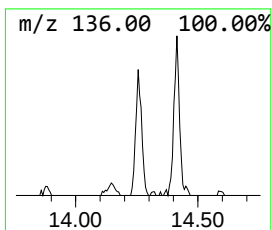
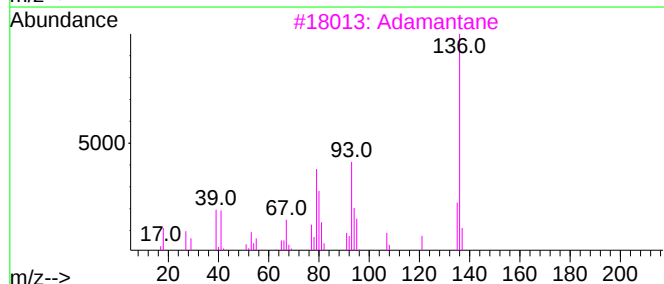
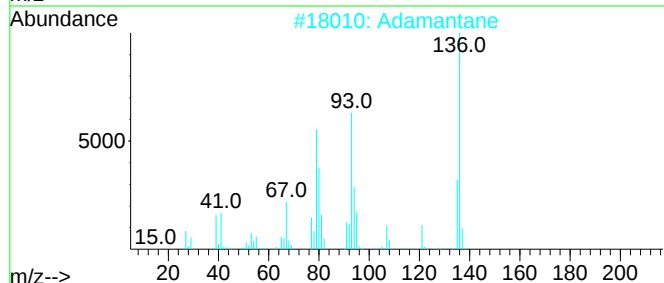
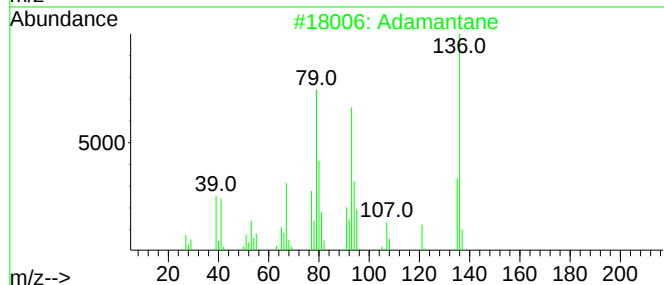
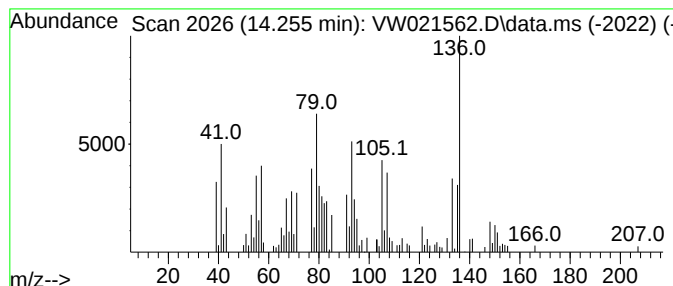
Instrument :
MSVOA_W
ClientSampleId :
BGL81

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Quant Title : SFAM01.0

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

Peak Number 21 Adamantane Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.255	2.53 ug/L	50739	1,4-Dichlorobenzene-d4		13.554	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Adamantane		136	C10H16	000281-23-2	96
2	Adamantane		136	C10H16	000281-23-2	95
3	Adamantane		136	C10H16	000281-23-2	76
4	Adamantane		136	C10H16	000281-23-2	64
5	Adamantane		136	C10H16	000281-23-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL81

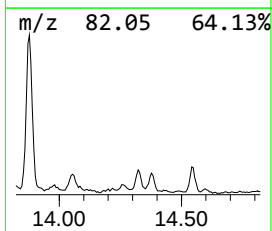
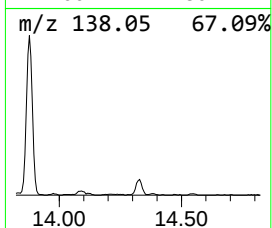
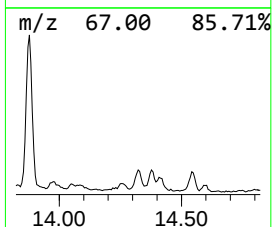
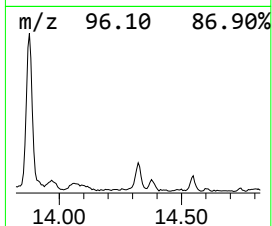
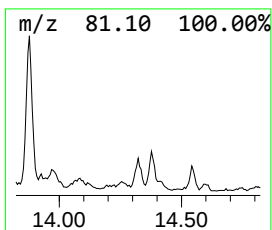
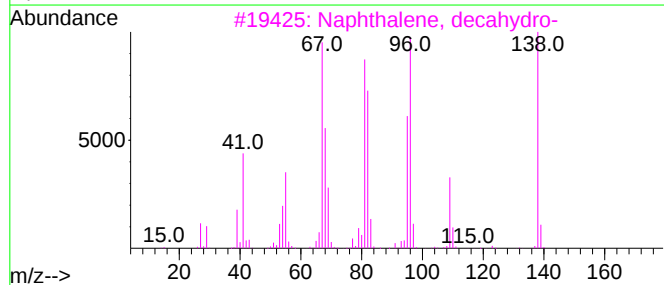
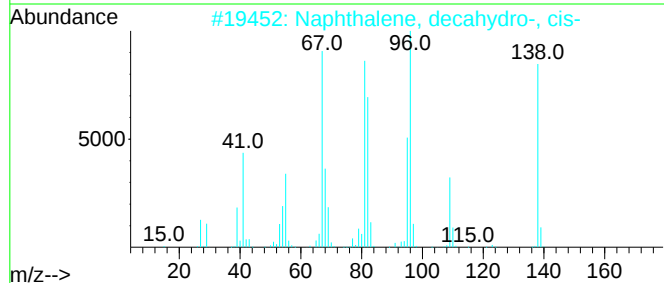
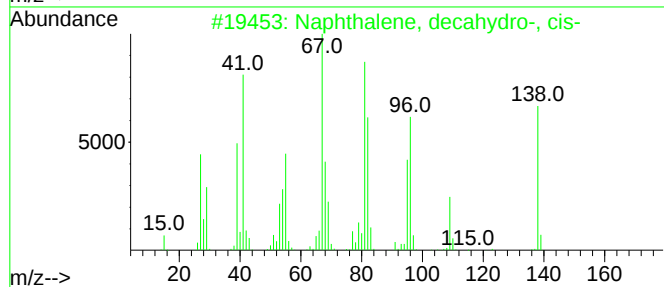
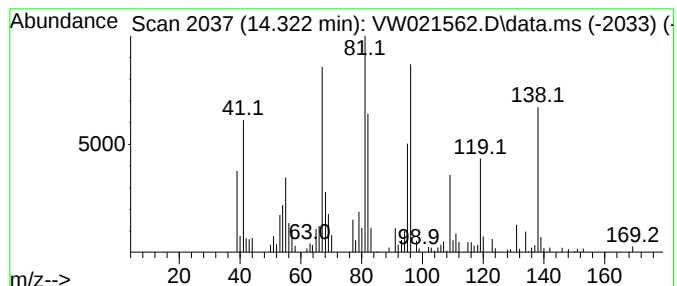
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Quant Title : SFAM01.0

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

Peak Number 22 Naphthalene, decahydro-, cis- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.323	2.59 ug/L	51974	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	91
2			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	91
3			Naphthalene, decahydro-	138	C10H18	000091-17-8	80
4			Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	76
5			Naphthalene, decahydro-	138	C10H18	000091-17-8	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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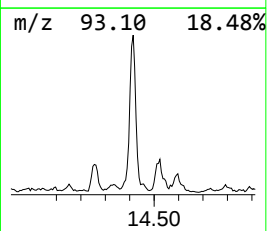
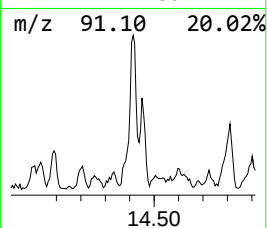
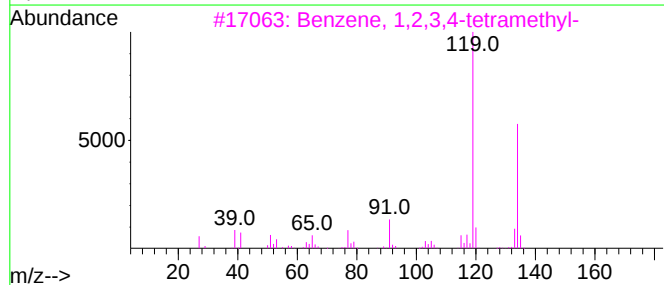
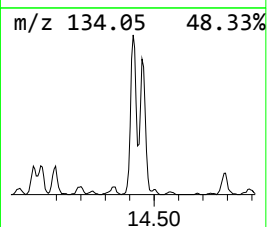
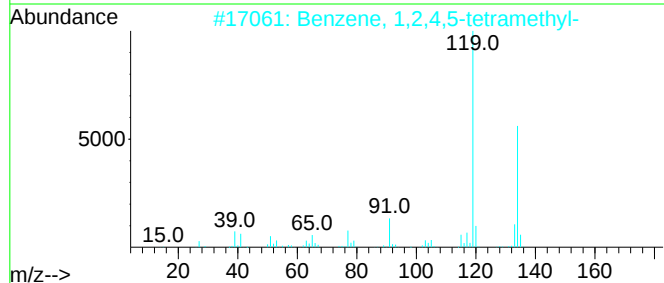
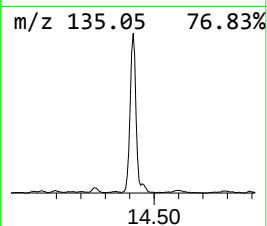
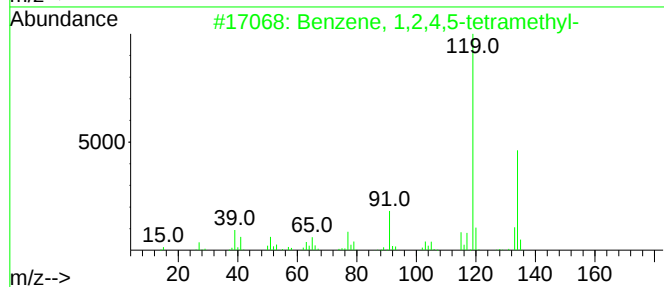
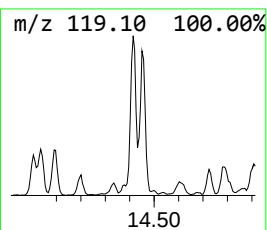
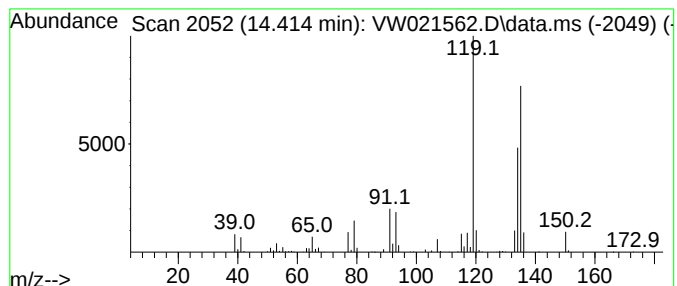
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Quant Title : SFAM01.0

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

Peak Number 23 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.414	6.95 ug/L	139557	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	55
2			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	55
3			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	49
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	49
5			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL81

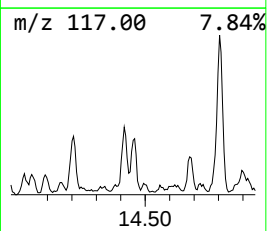
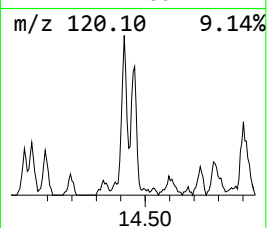
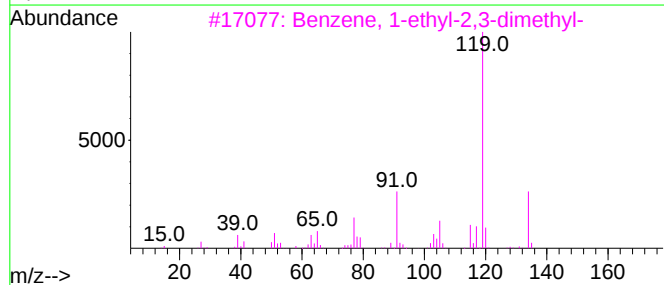
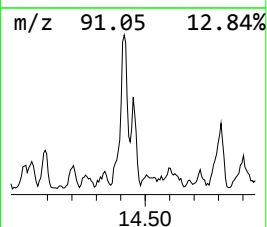
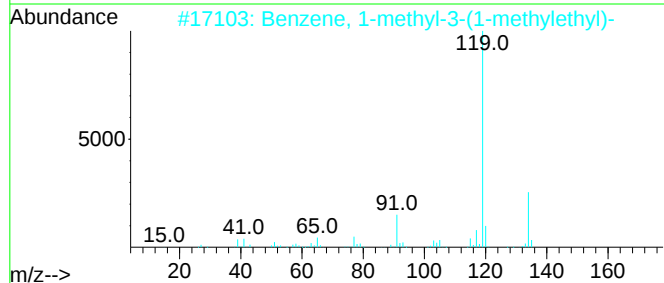
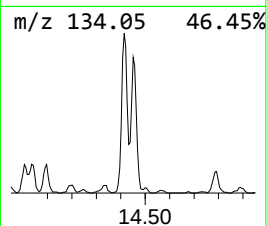
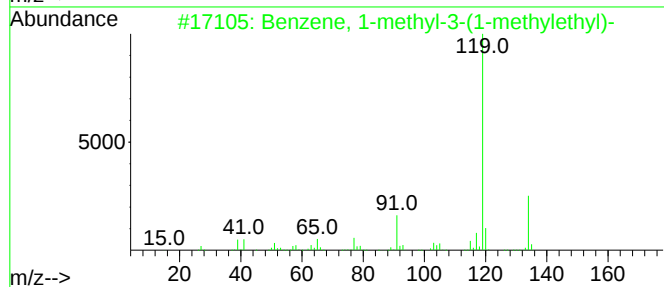
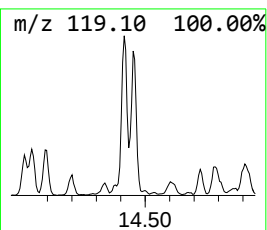
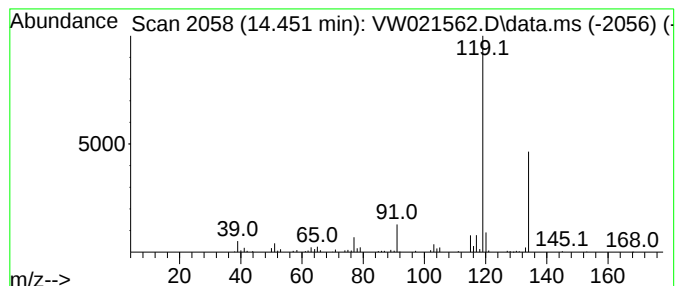
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Quant Title : SFAM01.0

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

Peak Number 24 Benzene, 1-methyl-3-(1-meth... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.451	3.14 ug/L	63101	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
2			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
3			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5			o-Cymene	134	C10H14	000527-84-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL81

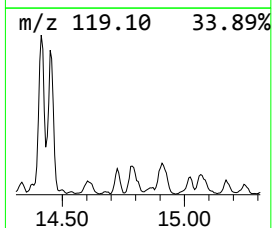
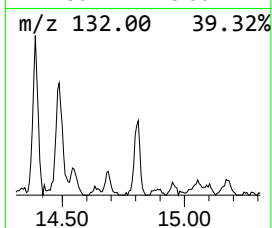
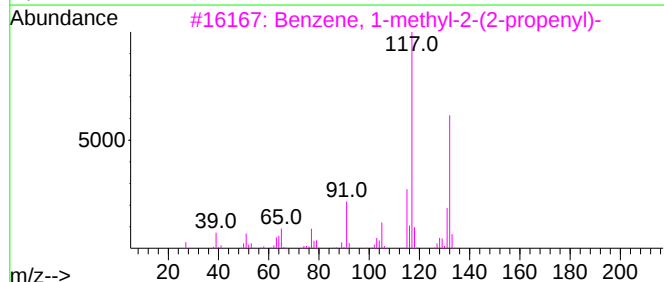
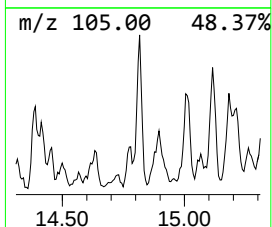
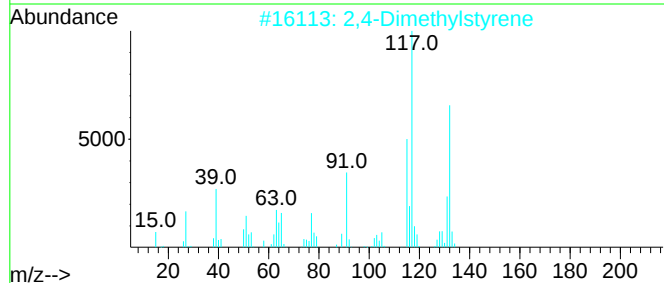
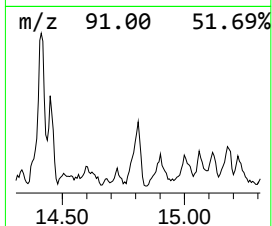
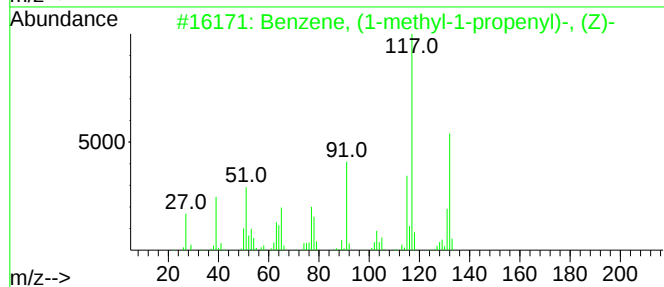
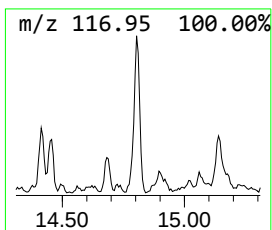
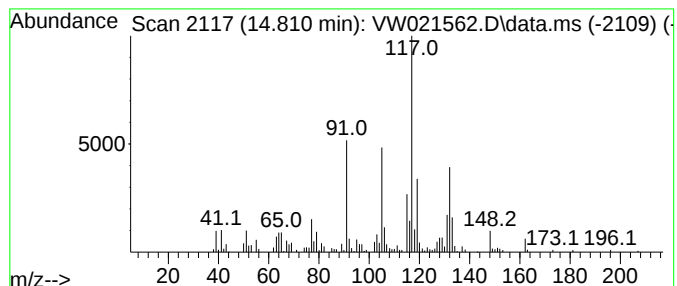
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Quant Title : SFAM01.0

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

Peak Number 25 Benzene, (1-methyl-1-propen... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.810	4.15 ug/L	83295	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	90
2			2,4-Dimethylstyrene	132	C10H12	002234-20-0	90
3			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81
4			1-Phenyl-1-butene	132	C10H12	000824-90-8	81
5			1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL81

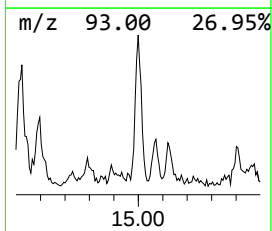
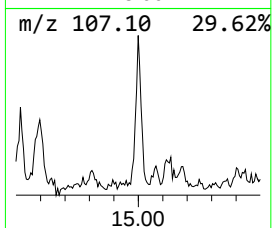
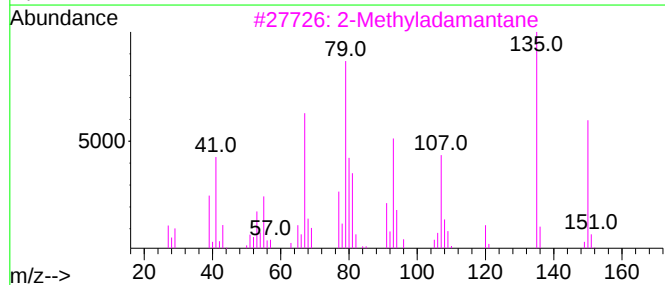
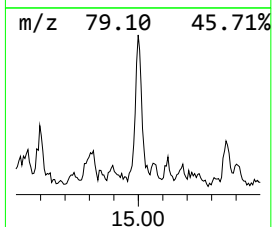
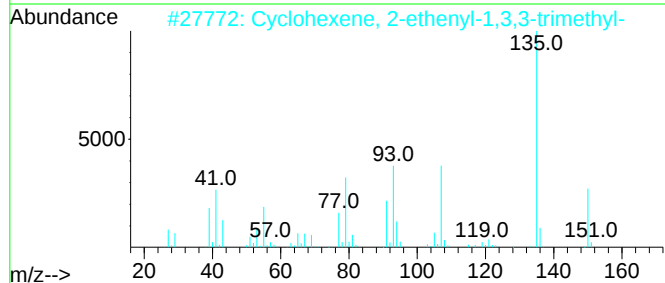
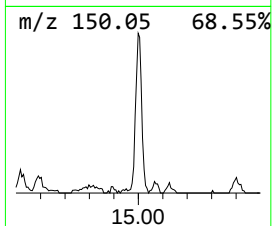
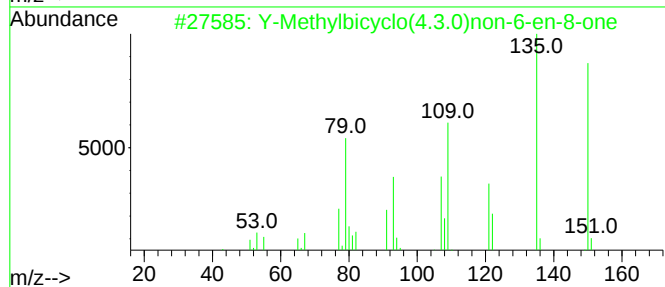
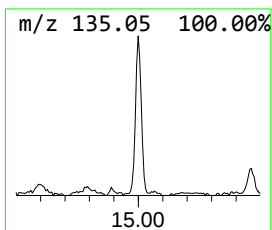
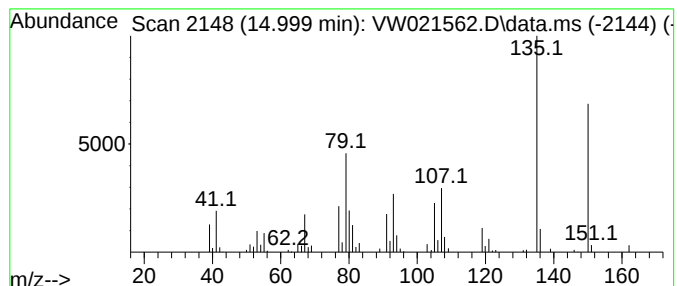
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Quant Title : SFAM01.0

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

Peak Number 26 Y-Methylbicyclo(4.3.0)non-6... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.999	2.30 ug/L	46251	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Y-Methylbicyclo(4.3.0)non-6-en-8...	150	C10H14O	1000424-65-9	83
2			Cyclohexene, 2-ethenyl-1,3,3-tri...	150	C11H18	005293-90-3	74
3			2-Methyladamantane	150	C11H18	000700-56-1	68
4			3,9-Epoxy-p-mentha-1,8(10)-diene	150	C10H14O	1000111-14-8	58
5			Ethanone, 1-(6,6-dimethylbicyclo...	150	C10H14O	024555-40-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL81

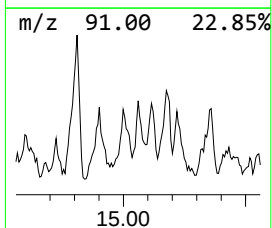
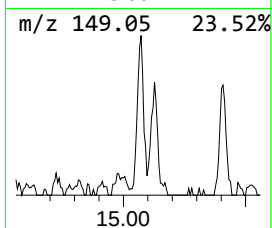
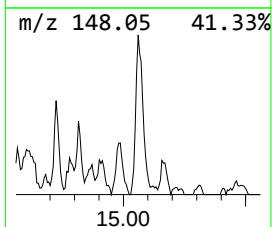
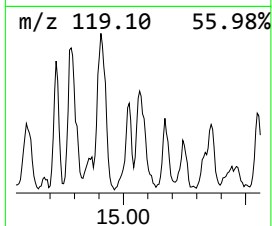
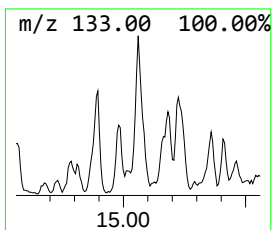
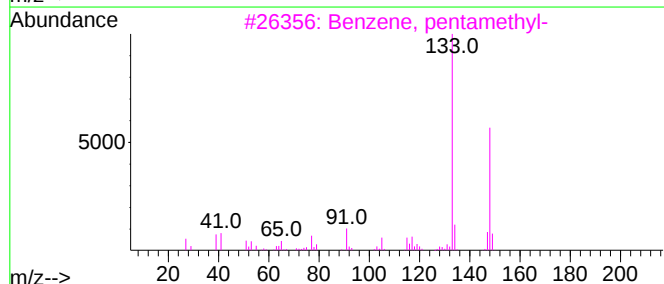
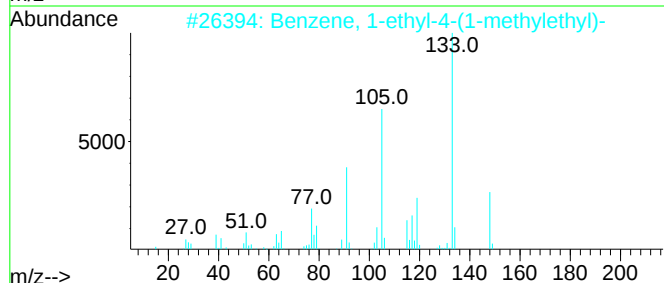
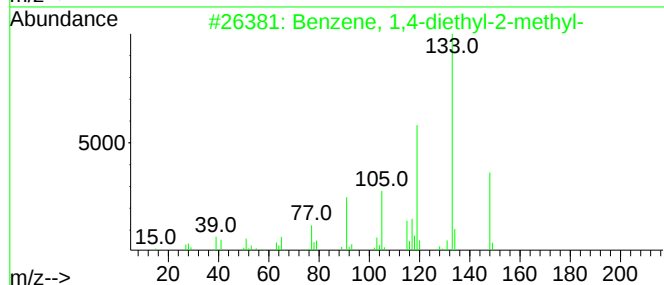
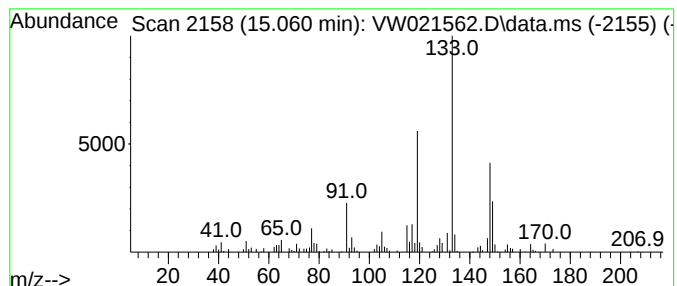
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Quant Title : SFAM01.0

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

Peak Number 27 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	1.52 ug/L	30589	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	72
2			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	52
3			Benzene, pentamethyl-	148	C11H16	000700-12-9	52
4			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	50
5			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL81

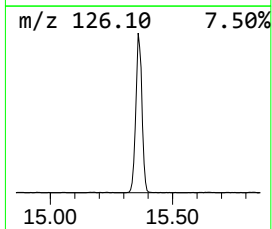
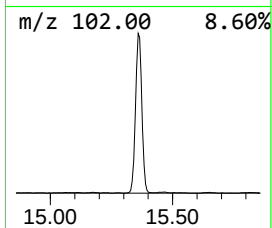
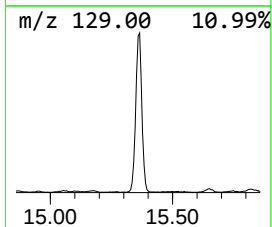
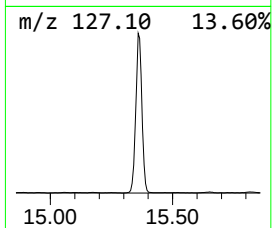
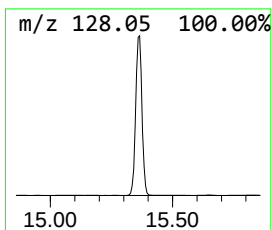
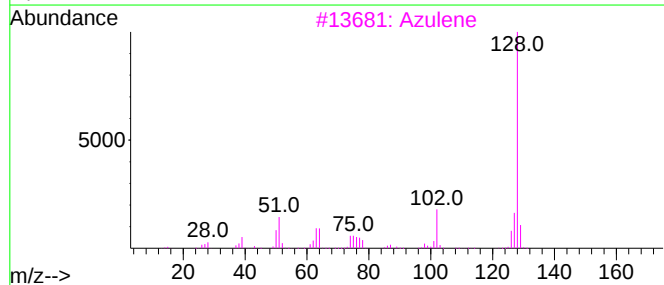
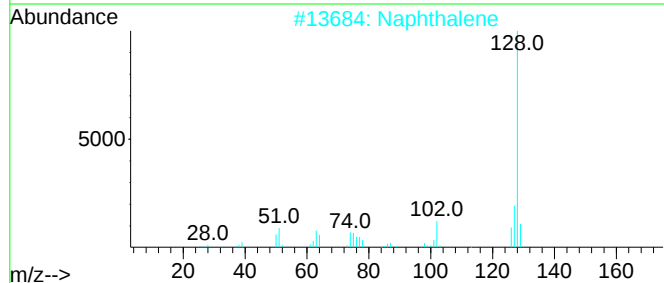
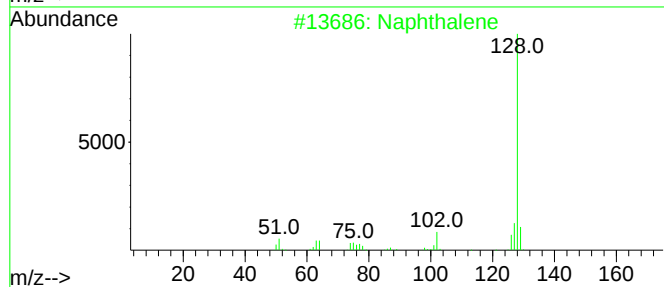
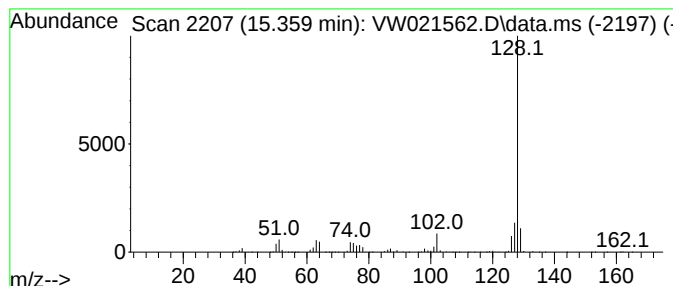
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Quant Title : SFAM01.0

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

Peak Number 28 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.359	84.75 ug/L	1702900	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene	128	C10H8	000091-20-3	95
2			Naphthalene	128	C10H8	000091-20-3	94
3			Azulene	128	C10H8	000275-51-4	91
4			Azulene	128	C10H8	000275-51-4	91
5			Naphthalene	128	C10H8	000091-20-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL81

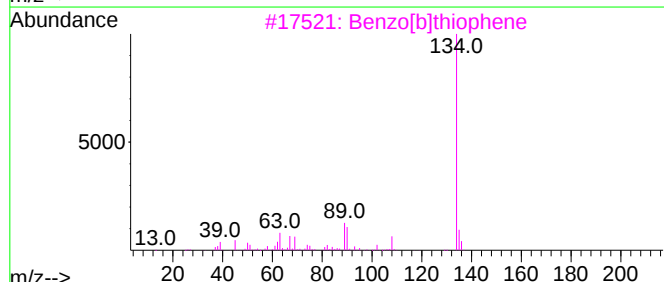
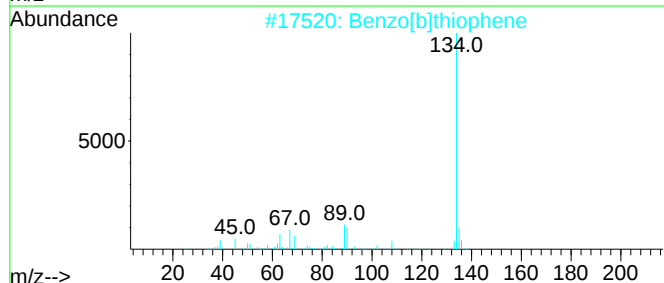
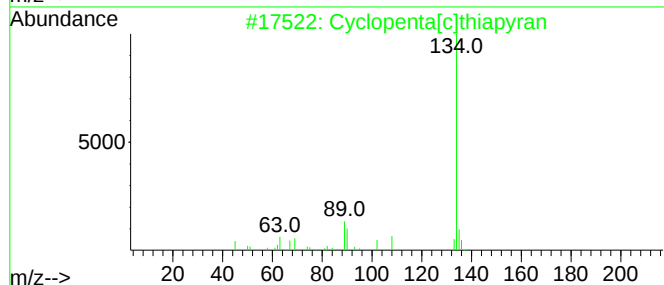
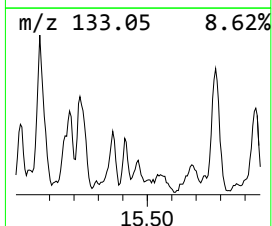
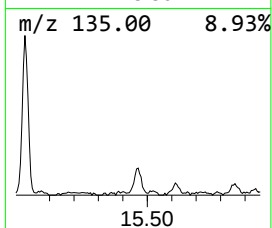
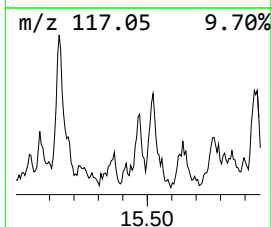
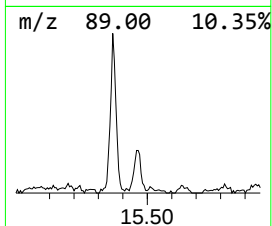
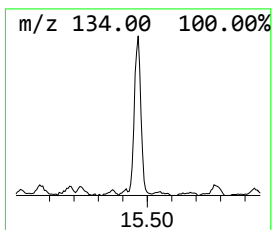
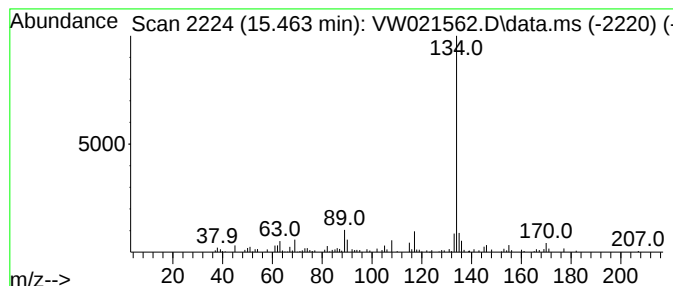
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Quant Title : SFAM01.0

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

Peak Number 29 Cyclopenta[c]thiapyran Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.463	1.78 ug/L	35733	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	83
2			Benzo[b]thiophene	134	C8H6S	000095-15-8	83
3			Benzo[b]thiophene	134	C8H6S	000095-15-8	74
4			Benzo[b]thiophene	134	C8H6S	000095-15-8	74
5			Benzo[c]thiophene	134	C8H6S	000270-82-6	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL81

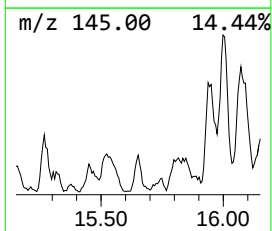
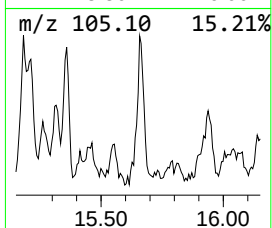
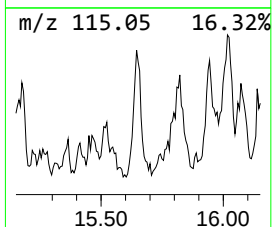
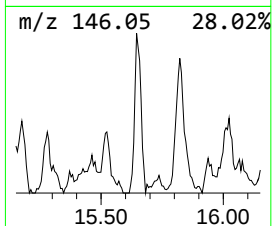
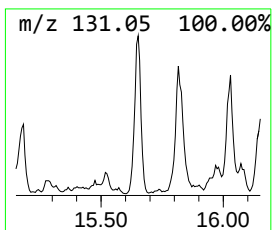
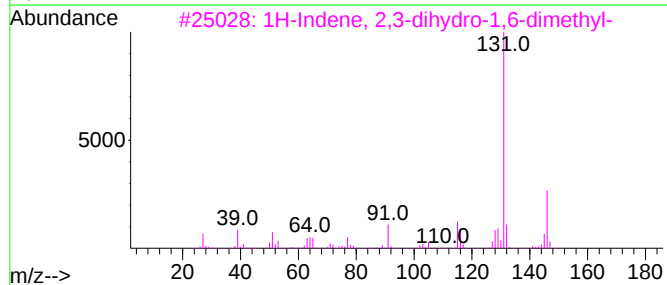
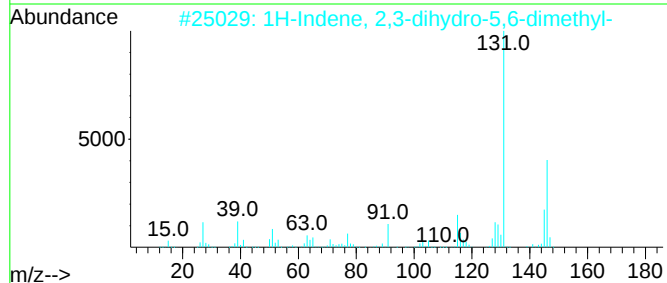
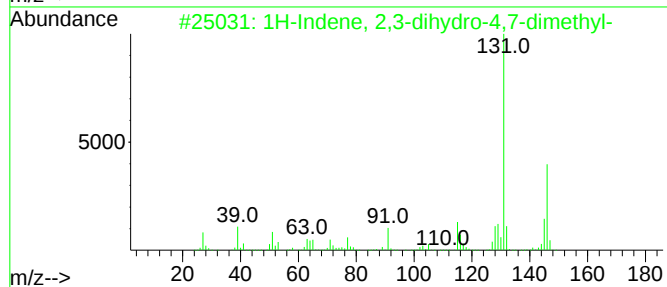
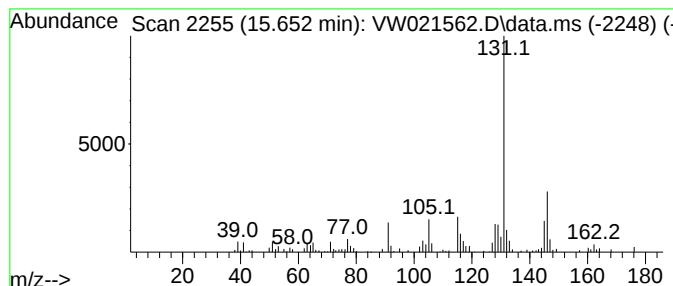
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Quant Title : SFAM01.0

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

Peak Number 30 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.652	3.38 ug/L	67958	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	96
2		1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	94
3		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	93
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
5		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL81

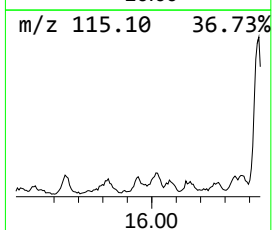
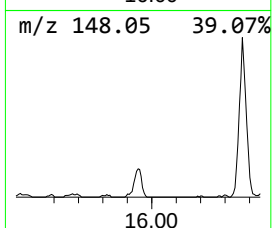
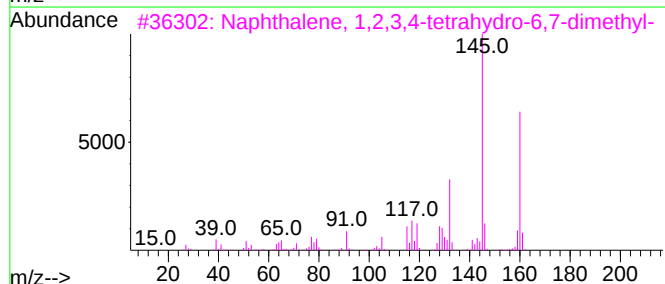
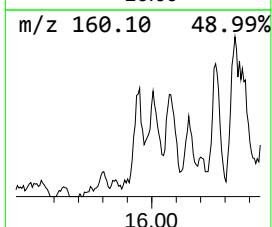
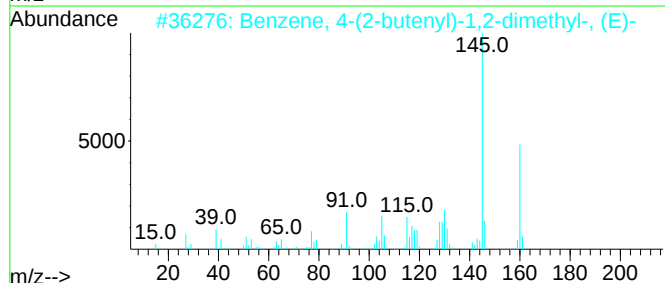
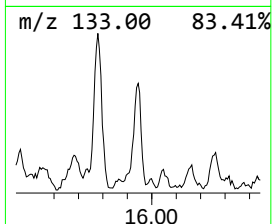
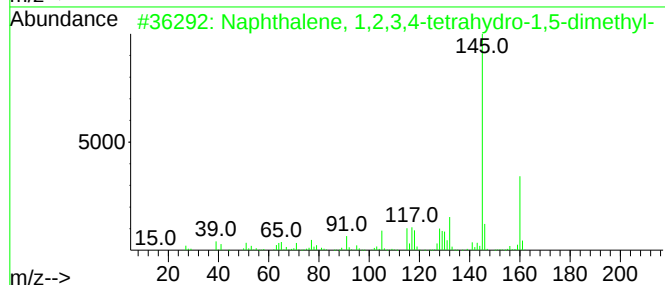
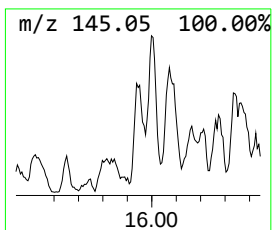
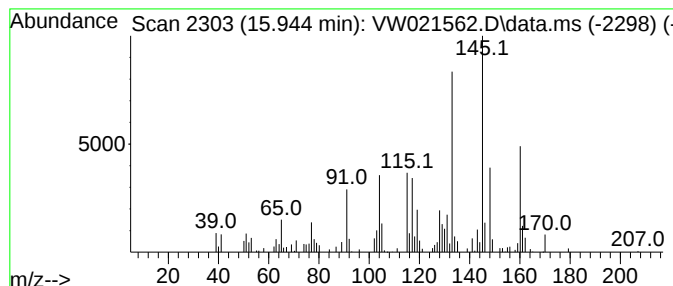
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Quant Title : SFAM01.0

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

Peak Number 31 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.944	2.30 ug/L	46213	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	64
2			Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	55
3			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	55
4			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	50
5			Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL81

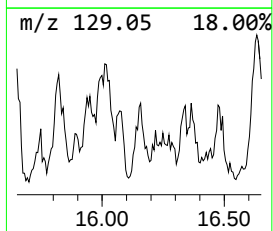
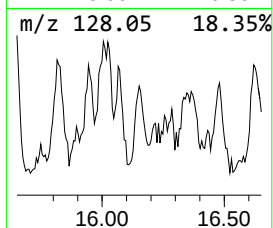
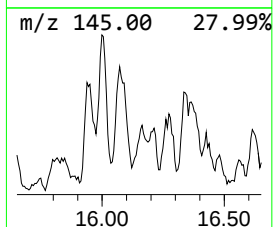
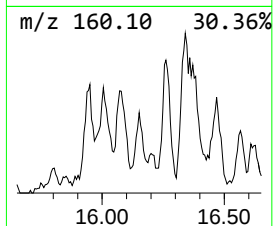
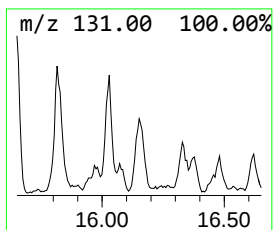
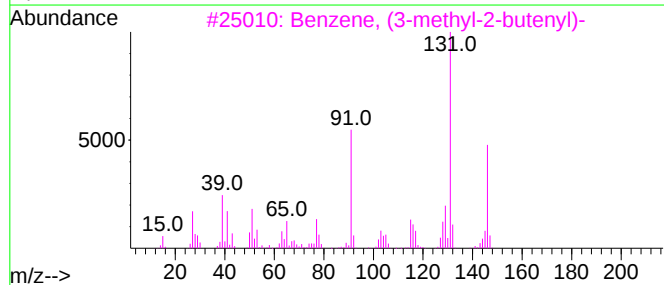
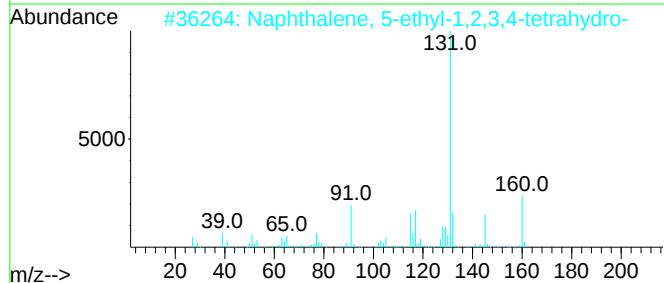
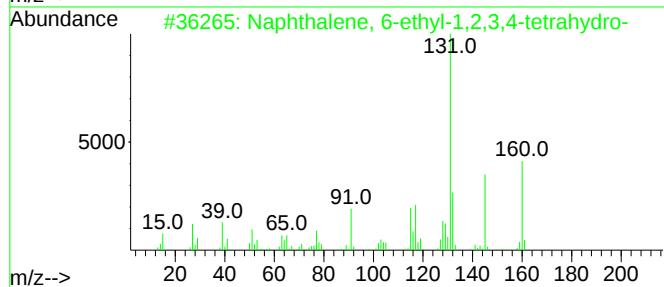
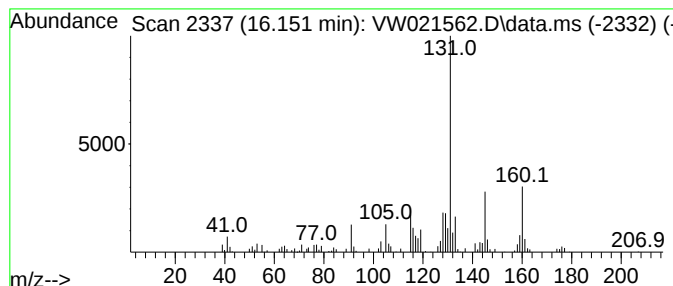
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Quant Title : SFAM01.0

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

Peak Number 32 Naphthalene, 6-ethyl-1,2,3,... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.151	1.56 ug/L	31401	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 6-ethyl-1,2,3,4-tet...	160	C12H16	022531-20-0	72
2			Naphthalene, 5-ethyl-1,2,3,4-tet...	160	C12H16	042775-75-7	72
3			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	58
4			1H-Indene, 2,3-dihydro-4-propyl-	160	C12H16	092013-16-6	52
5			1,4-Methanonaphthalen-9-ol, 1,2,...	160	C11H12O	055255-94-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL81

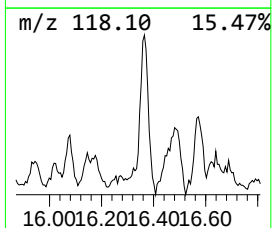
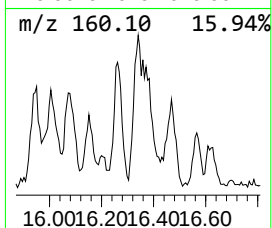
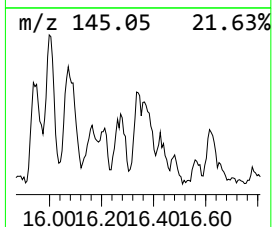
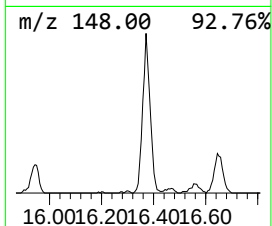
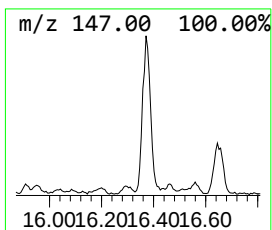
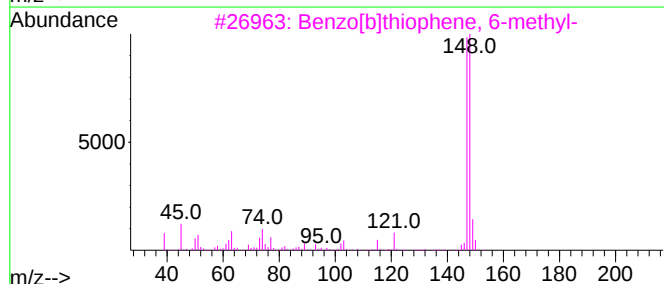
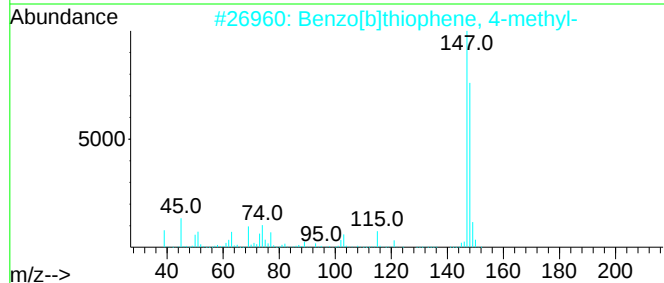
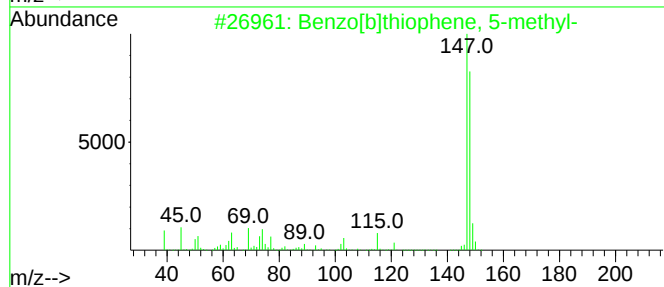
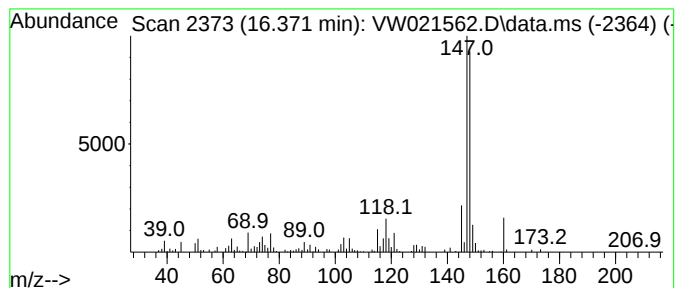
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Quant Title : SFAM01.0

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

Peak Number 33 Benzo[b]thiophene, 5-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.371	5.58 ug/L	112206	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	81
2			Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	81
3			Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	81
4			Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	74
5			Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021562.D
Acq On : 22 Dec 2021 14:52
Operator : SY/VA
Sample : M5154-01
Misc : 6.61g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL81

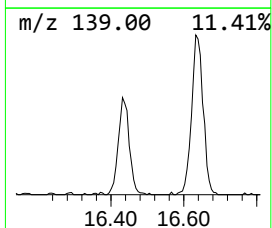
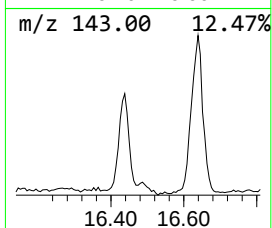
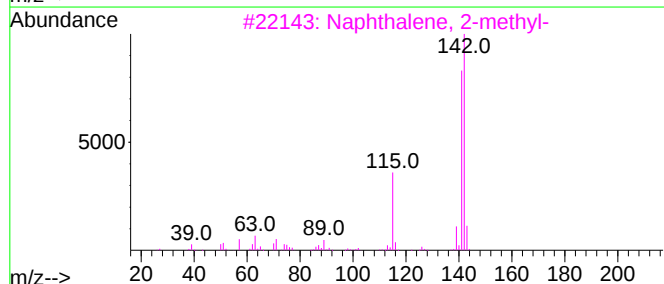
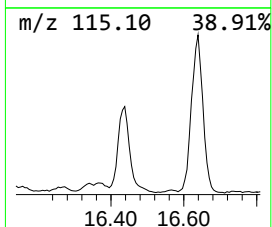
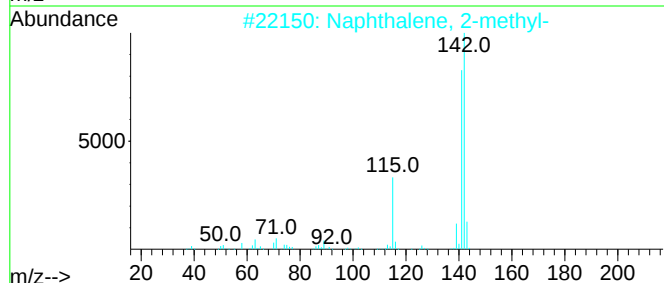
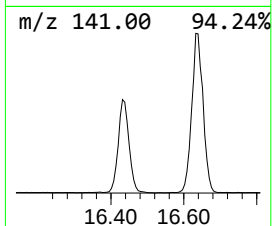
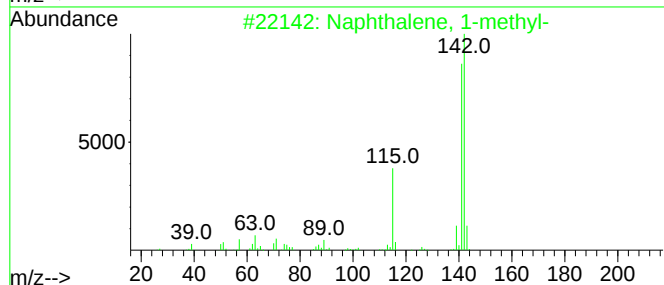
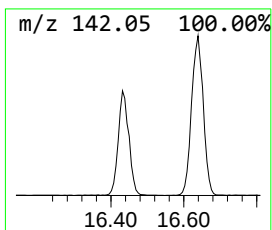
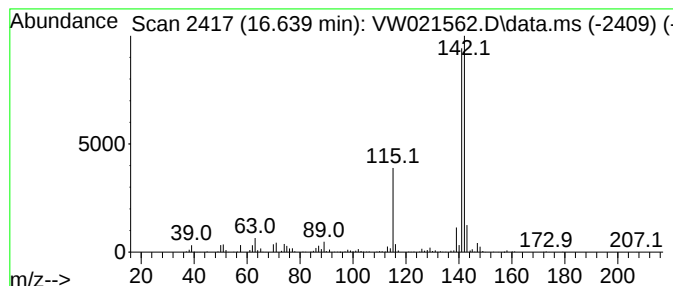
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 35 1,4-Methanonaphthalene, 1,4... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.639	24.65 ug/L	495210	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
 Data File : VW021562.D
 Acq On : 22 Dec 2021 14:52
 Operator : SY/VA
 Sample : M5154-01
 Misc : 6.61g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL81

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0

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

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	11.037	1.7	ug/L	31530	2	11.628	453522	25.0
(DEL) Alkane: C...	11.110	1.4	ug/L	24814	2	11.628	453522	25.0
(DEL) Alkane: C...	11.226	2.2	ug/L	40112	2	11.628	453522	25.0
(DEL) Alkane: C...	11.329	1.3	ug/L	24105	2	11.628	453522	25.0
(DEL) Alkane: C...	11.433	3.5	ug/L	63722	2	11.628	453522	25.0
(DEL) Alkane: C...	11.914	8.0	ug/L	145372	2	11.628	453522	25.0
(DEL) Alkane: C...	12.134	12.7	ug/L	229980	2	11.628	453522	25.0
(DEL) Alkane: S...	12.250	3.3	ug/L	60294	2	11.628	453522	25.0
(DEL) Alkane: C...	12.298	3.5	ug/L	63361	2	11.628	453522	25.0
(DEL) Alkane: C...	12.384	18.9	ug/L	342876	2	11.628	453522	25.0
Cyclopentene, 1...	12.561	2.1	ug/L	39045	2	11.628	453522	25.0
Cyclohexene, 4-...	12.609	3.0	ug/L	59687	3	13.554	502325	25.0
(DEL) Alkane: C...	12.774	9.4	ug/L	189551	3	13.554	502325	25.0
Glycine, furfur...	12.859	5.9	ug/L	118958	3	13.554	502325	25.0
(DEL) Alkane: S...	13.079	3.0	ug/L	59460	3	13.554	502325	25.0
unknown-01	13.164	4.9	ug/L	98985	3	13.554	502325	25.0
unknown-02	13.378	1.5	ug/L	30242	3	13.554	502325	25.0
unknown-03	13.475	1.3	ug/L	26133	3	13.554	502325	25.0
unknown-04	14.201	1.6	ug/L	33072	3	13.554	502325	25.0
Adamantane	14.255	2.5	ug/L	50739	3	13.554	502325	25.0
Naphthalene, de...	14.323	2.6	ug/L	51974	3	13.554	502325	25.0
Benzene, 1,2,4,...	14.414	7.0	ug/L	139557	3	13.554	502325	25.0
Benzene, 1-meth...	14.451	3.1	ug/L	63101	3	13.554	502325	25.0
Benzene, (1-met...	14.810	4.2	ug/L	83295	3	13.554	502325	25.0
Y-Methylbicyclo...	14.999	2.3	ug/L	46251	3	13.554	502325	25.0
Benzene, 1,4-di...	15.060	1.5	ug/L	30589	3	13.554	502325	25.0
Azulene	15.359	84.8	ug/L	1702900	3	13.554	502325	25.0
Cyclopenta[c]th...	15.463	1.8	ug/L	35733	3	13.554	502325	25.0
1H-Indene, 2,3-...	15.652	3.4	ug/L	67958	3	13.554	502325	25.0
Naphthalene, 1,...	15.944	2.3	ug/L	46213	3	13.554	502325	25.0
Naphthalene, 6-...	16.151	1.6	ug/L	31401	3	13.554	502325	25.0
Benzo[b]thiophe...	16.371	5.6	ug/L	112206	3	13.554	502325	25.0
1,4-Methanonaph...	16.639	24.6	ug/L	495210	3	13.554	502325	25.0