

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
 Data File : VW021457.D
 Acq On : 18 Dec 2021 06:04
 Operator : SY/VA
 Sample : M5153-10
 Misc : 5.80g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL75

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: VW021457.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.154	39	41	47	rVB3	595	909	0.27%	0.020%
2	2.349	68	73	85	rVB	17974	29173	8.69%	0.635%
3	2.495	92	97	105	rBV	6539	12009	3.58%	0.261%
4	2.812	144	149	154	rBV	698	1114	0.33%	0.024%
5	2.885	154	161	172	rVB	12945	27099	8.07%	0.590%
6	3.714	295	297	300	rVB	130	177	0.05%	0.004%
7	4.019	335	347	357	rBV	28319	80392	23.94%	1.749%
8	4.123	357	364	375	rVV	5634	15430	4.59%	0.336%
9	4.202	375	377	382	rVB	171	261	0.08%	0.006%
10	4.385	397	407	418	rVV	5599	16284	4.85%	0.354%
11	4.787	470	473	476	rVB	183	249	0.07%	0.005%
12	4.830	476	480	483	rBV	178	264	0.08%	0.006%
13	4.915	483	494	503	rVV2	3970	13171	3.92%	0.287%
14	5.007	505	509	511	rVV	213	252	0.08%	0.005%
15	5.031	511	513	515	rVV2	147	200	0.06%	0.004%
16	5.543	596	597	600	rBV	145	207	0.06%	0.005%
17	5.793	630	638	647	rBB3	1530	4812	1.43%	0.105%
18	5.946	657	663	667	rBV4	535	1175	0.35%	0.026%
19	6.049	678	680	683	rVB2	156	171	0.05%	0.004%
20	6.202	699	705	706	rBB2	147	186	0.06%	0.004%
21	6.220	706	708	712	rBB	138	175	0.05%	0.004%
22	6.293	717	720	722	rVV	140	173	0.05%	0.004%
23	6.562	761	764	769	rBV	139	273	0.08%	0.006%
24	6.903	813	820	831	rBB3	1839	5001	1.49%	0.109%
25	7.000	833	836	839	rVB2	193	191	0.06%	0.004%
26	7.080	839	849	858	rBV	10901	31742	9.45%	0.691%
27	7.257	875	878	882	rVB2	322	438	0.13%	0.010%
28	7.647	931	942	954	rBB	59709	144836	43.13%	3.152%
29	7.903	982	984	985	rBV	219	174	0.05%	0.004%
30	7.921	985	987	991	rVB2	369	439	0.13%	0.010%
31	8.031	1001	1005	1008	rBB3	473	656	0.20%	0.014%
32	8.153	1021	1025	1031	rVB	842	1368	0.41%	0.030%
33	8.281	1035	1046	1059	rBV2	105657	335821	100.00%	7.308%
34	8.531	1085	1087	1089	rBV2	225	235	0.07%	0.005%
35	8.701	1109	1115	1120	rBV3	529	1140	0.34%	0.025%
36	8.842	1130	1138	1149	rBV	107650	214300	63.81%	4.663%

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

37	9.073	1169	1176	1183	rBV3	1773	3885	1.16%	0.085%
38	9.274	1200	1209	1224	rBV	80936	167189	49.79%	3.638%
39	9.415	1224	1232	1238	rVB5	1814	4070	1.21%	0.089%
40	9.457	1238	1239	1244	rVB2	151	184	0.05%	0.004%
41	9.665	1271	1273	1278	rVB3	322	419	0.12%	0.009%
42	9.756	1282	1288	1293	rBB2	1359	2393	0.71%	0.052%
43	9.890	1305	1310	1316	rBV2	2102	4382	1.30%	0.095%
44	9.957	1316	1321	1323	rBV2	813	1183	0.35%	0.026%
45	10.037	1327	1334	1340	rBV2	40342	72114	21.47%	1.569%
46	10.091	1340	1343	1354	rVB4	1576	3278	0.98%	0.071%
47	10.207	1358	1362	1366	rBV3	1863	3418	1.02%	0.074%
48	10.244	1366	1368	1373	rVB3	1047	1406	0.42%	0.031%
49	10.323	1373	1381	1388	rBV	157761	278868	83.04%	6.068%
50	10.390	1388	1392	1397	rVB	2168	3818	1.14%	0.083%
51	10.427	1397	1398	1403	rVB2	445	395	0.12%	0.009%
52	10.500	1404	1410	1415	rVB3	1693	3428	1.02%	0.075%
53	10.579	1416	1423	1430	rBV	27351	47363	14.10%	1.031%
54	10.664	1434	1437	1439	rBV3	916	1067	0.32%	0.023%
55	10.695	1439	1442	1448	rVB3	1206	1973	0.59%	0.043%
56	10.762	1449	1453	1459	rVB4	1085	2014	0.60%	0.044%
57	10.847	1459	1467	1473	rVB5	1597	3046	0.91%	0.066%
58	10.920	1473	1479	1488	rBV	46492	81587	24.29%	1.775%
59	11.000	1488	1492	1493	rBV4	736	872	0.26%	0.019%
60	11.073	1499	1504	1508	rBV2	7839	11663	3.47%	0.254%
61	11.177	1518	1521	1525	rVB4	1999	2830	0.84%	0.062%
62	11.231	1525	1530	1535	rBV3	2221	3708	1.10%	0.081%
63	11.274	1535	1537	1543	rVB6	1455	2264	0.67%	0.049%
64	11.341	1543	1548	1551	rBV4	2113	3538	1.05%	0.077%
65	11.414	1551	1560	1561	rBV5	3036	7173	2.14%	0.156%
66	11.506	1571	1575	1582	rVB2	4669	8218	2.45%	0.179%
67	11.634	1587	1596	1604	rBV	165040	289376	86.17%	6.297%
68	11.731	1607	1612	1615	rBV2	4560	7421	2.21%	0.161%
69	11.817	1621	1626	1630	rBV6	3961	8688	2.59%	0.189%
70	11.872	1630	1635	1639	rVV2	12526	23996	7.15%	0.522%
71	11.914	1639	1642	1648	rVB2	6038	9948	2.96%	0.216%
72	11.969	1648	1651	1652	rBV3	669	757	0.23%	0.016%
73	12.061	1658	1666	1671	rVB6	3899	7950	2.37%	0.173%
74	12.134	1671	1678	1689	rBV4	19387	54797	16.32%	1.192%
75	12.250	1693	1697	1701	rVB	13416	20359	6.06%	0.443%
76	12.341	1701	1712	1716	rBV4	19003	60919	18.14%	1.326%

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77	12.463	1728	1732	1736	rBV2	7985	13846	4.12%	0.301%
78	12.695	1763	1770	1775	rBV	77699	139387	41.51%	3.033%
79	12.780	1780	1784	1791	rVB4	20350	42466	12.65%	0.924%
80	12.859	1791	1797	1801	rBV6	14905	34670	10.32%	0.754%
81	12.938	1806	1810	1815	rVV2	42282	83750	24.94%	1.822%
82	12.987	1815	1818	1823	rVB2	17880	28727	8.55%	0.625%
83	13.079	1829	1833	1836	rBV2	15775	23773	7.08%	0.517%
84	13.164	1843	1847	1854	rVB3	38971	64097	19.09%	1.395%
85	13.292	1865	1868	1872	rVB	14579	17660	5.26%	0.384%
86	13.554	1906	1911	1928	rVB	161898	311930	92.89%	6.788%
87	13.853	1955	1960	1968	rVB2	126798	300650	89.53%	6.542%
88	14.200	2011	2017	2022	rBV2	46241	85221	25.38%	1.854%
89	14.261	2022	2027	2033	rBV5	34739	73988	22.03%	1.610%
90	14.322	2033	2037	2042	rVB3	36589	57885	17.24%	1.260%
91	14.383	2042	2047	2050	rBV2	52707	88035	26.21%	1.916%
92	14.493	2061	2065	2070	rBV2	25510	48211	14.36%	1.049%
93	14.633	2085	2088	2094	rVB	48418	75700	22.54%	1.647%
94	15.359	2197	2207	2213	rBV	133192	298247	88.81%	6.490%
95	15.651	2247	2255	2261	rBV5	24676	73694	21.94%	1.604%
96	15.798	2272	2279	2285	rBV5	23498	60557	18.03%	1.318%
97	15.944	2298	2303	2308	rBV3	27331	49914	14.86%	1.086%
98	16.365	2369	2372	2378	rVB3	51357	89637	26.69%	1.951%
99	16.432	2378	2383	2402	rVB4	57244	199960	59.54%	4.351%
100	16.639	2409	2417	2424	rBV2	70015	180952	53.88%	3.938%

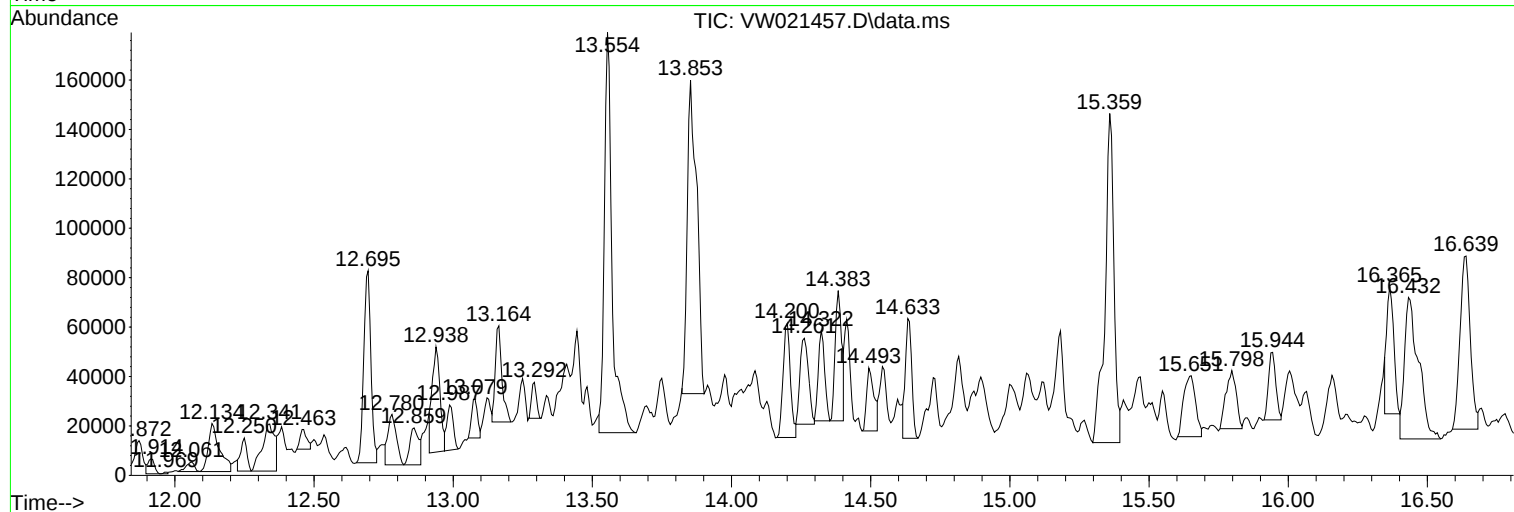
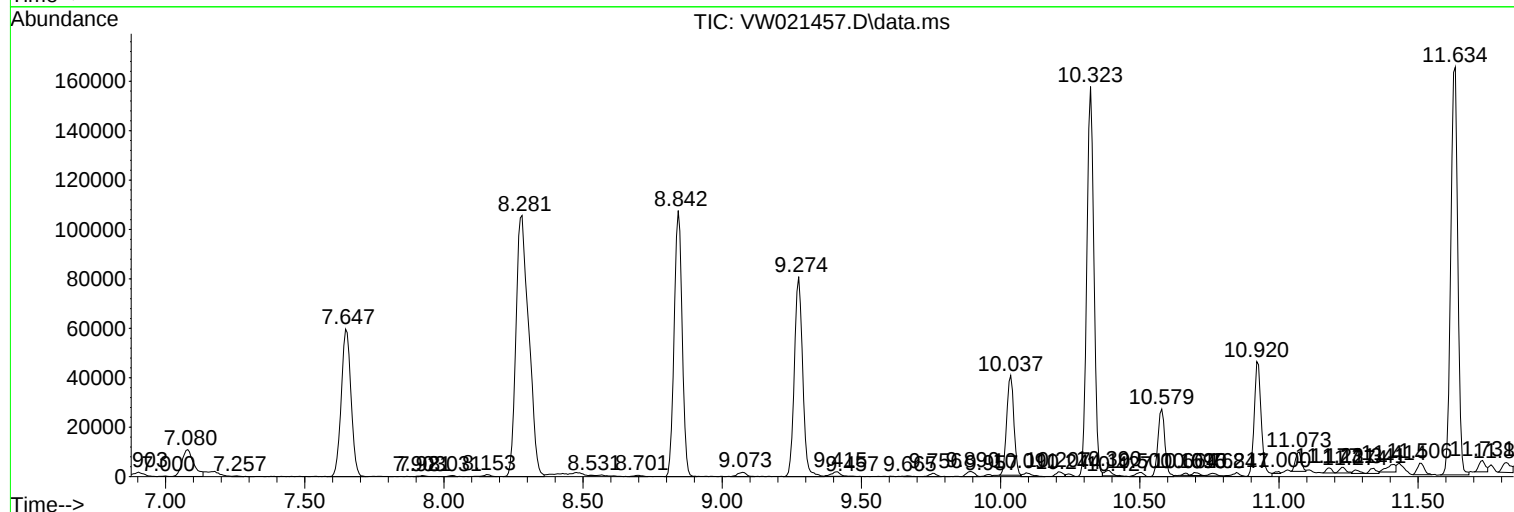
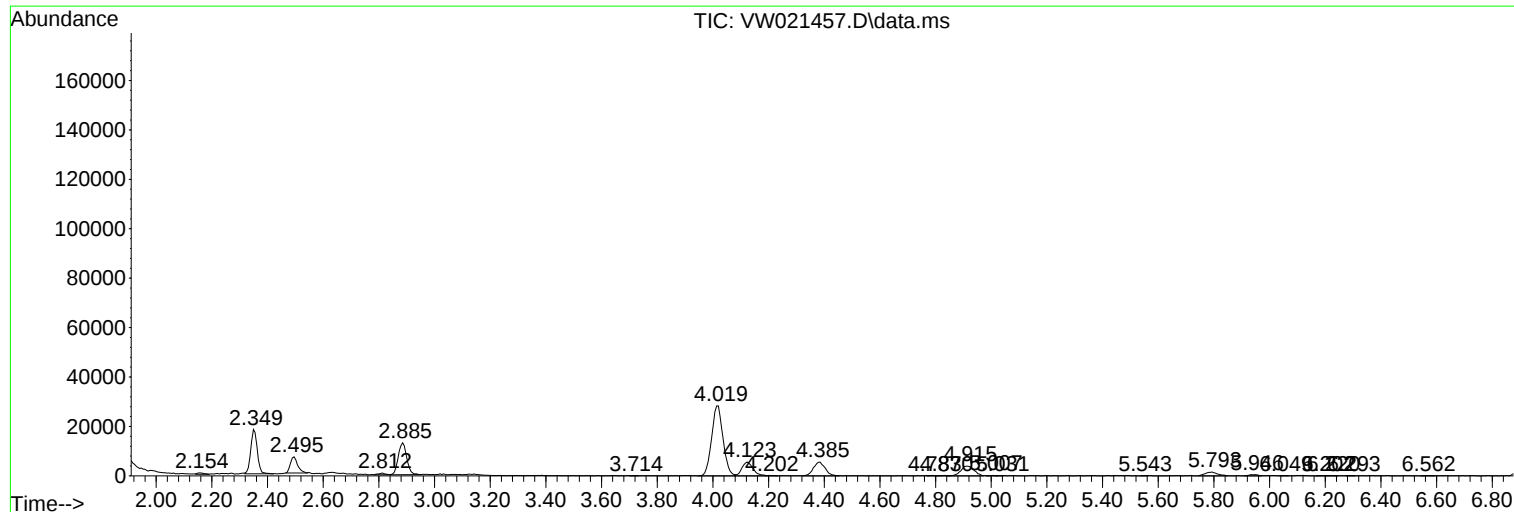
Sum of corrected areas: 4595411

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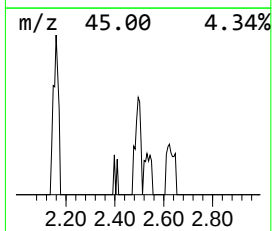
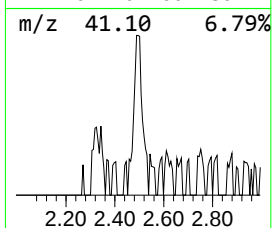
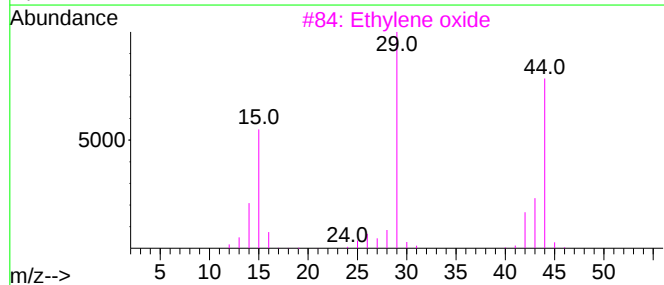
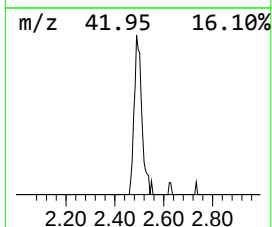
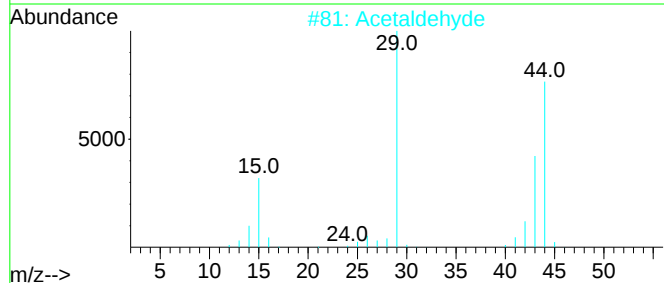
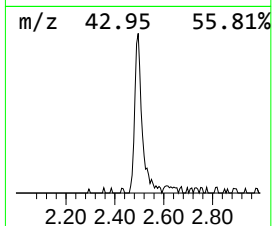
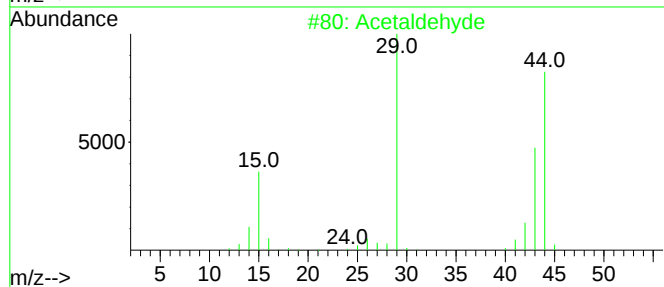
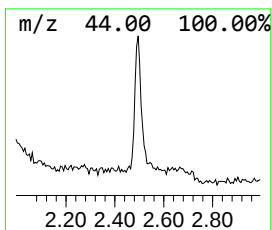
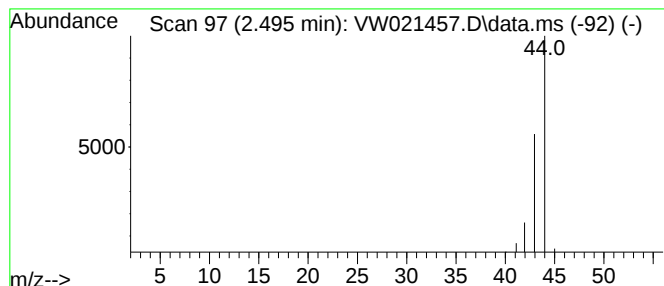
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 Acetaldehyde Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.495	1.40 ug/L	12009	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetaldehyde	44	C2H4O	000075-07-0	83
2			Acetaldehyde	44	C2H4O	000075-07-0	83
3			Ethylene oxide	44	C2H4O	000075-21-8	5
4			Ethylene oxide	44	C2H4O	000075-21-8	5
5			Propane	44	C3H8	000074-98-6	4



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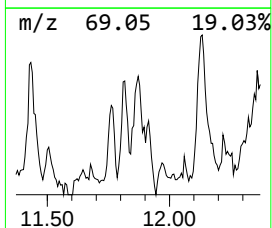
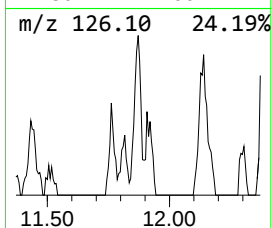
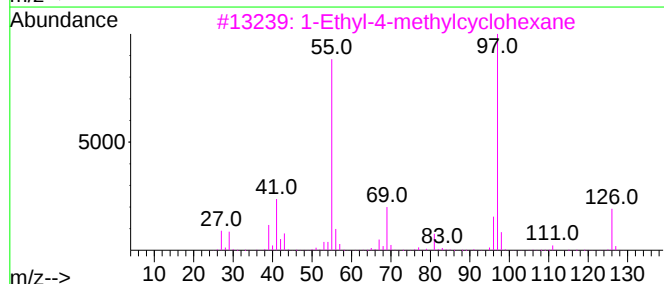
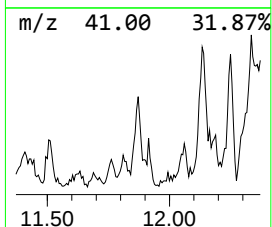
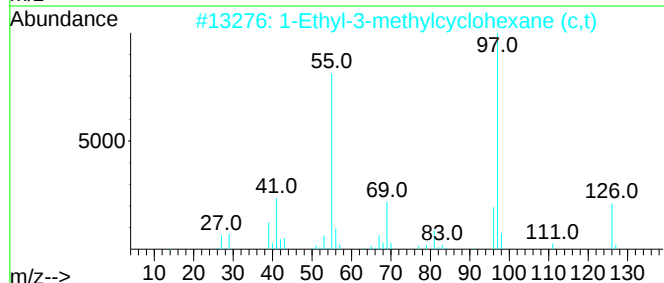
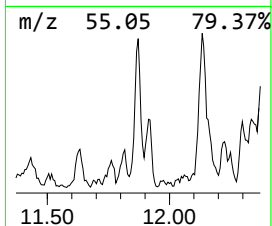
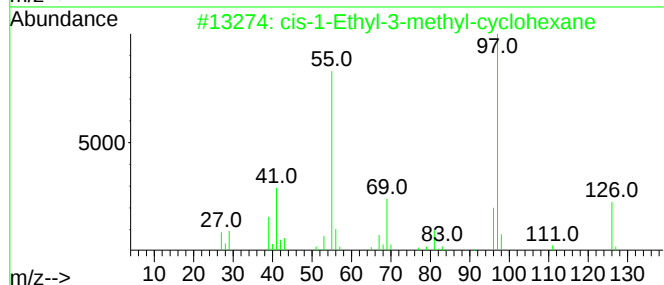
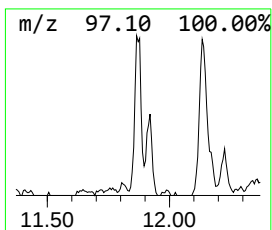
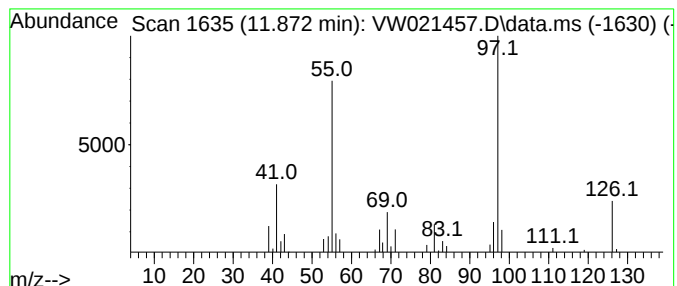
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Cyclic11.871 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.871	2.07 ug/L	23996	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	94
2			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	87
3			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	87
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72
5			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	68



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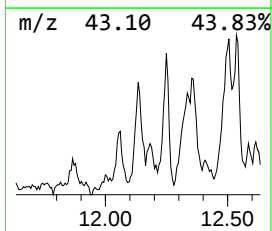
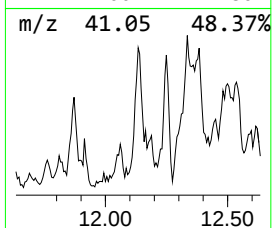
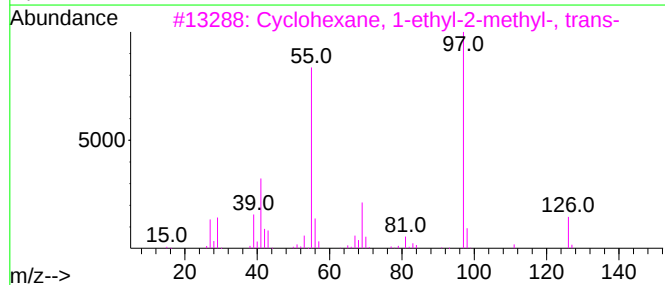
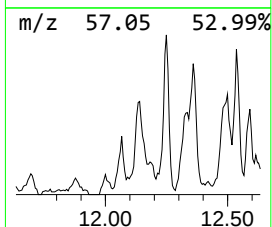
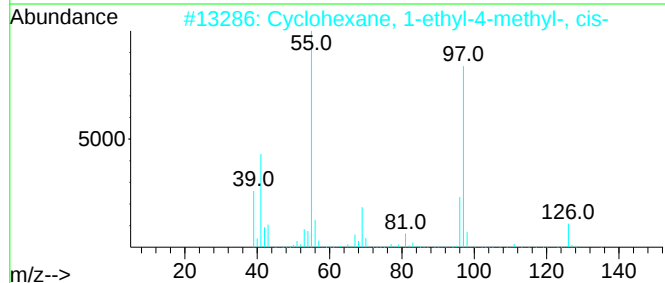
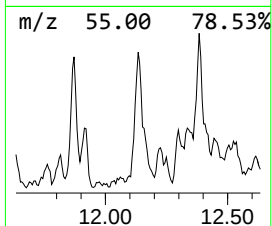
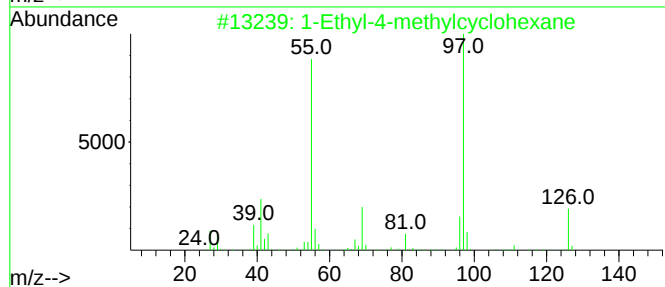
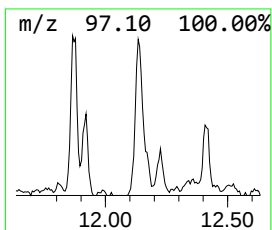
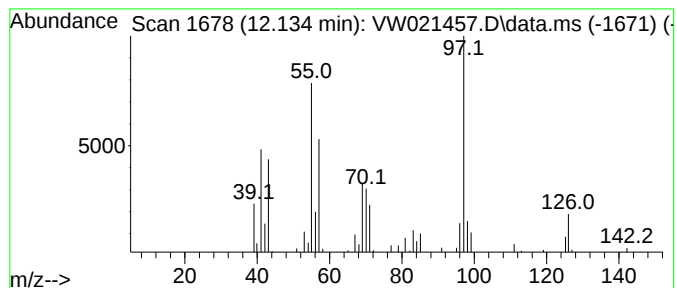
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Cyclic12.134 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.134	4.73 ug/L	54797	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	58
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	53
3			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	52
4			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	50
5			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021457.D
Acq On : 18 Dec 2021 06:04
Operator : SY/VA
Sample : M5153-10
Misc : 5.80g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL75

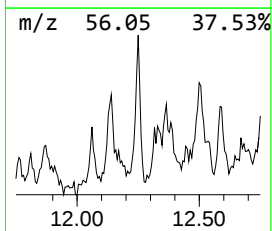
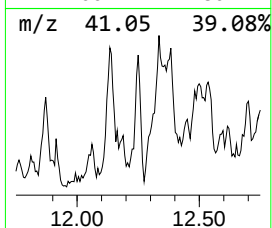
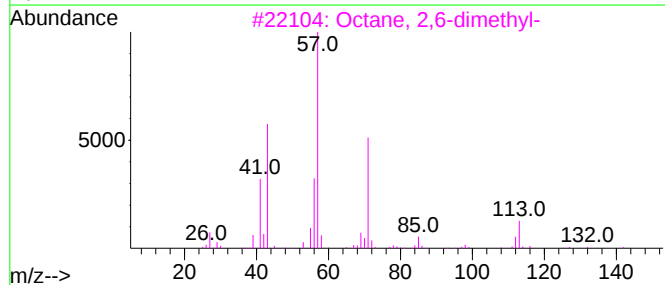
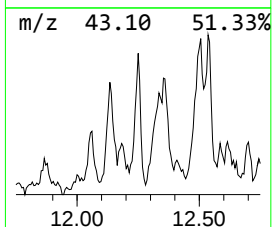
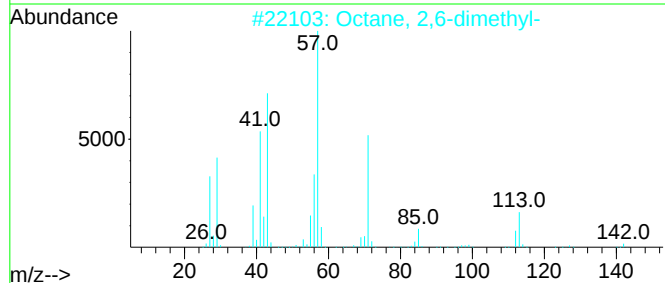
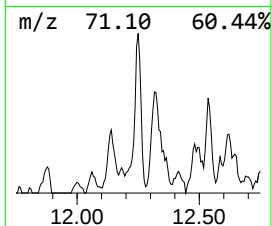
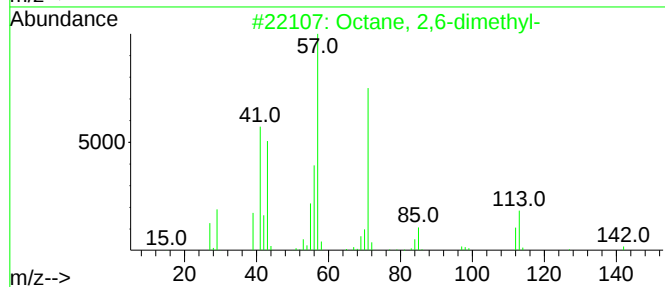
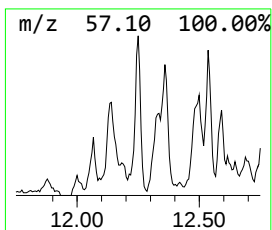
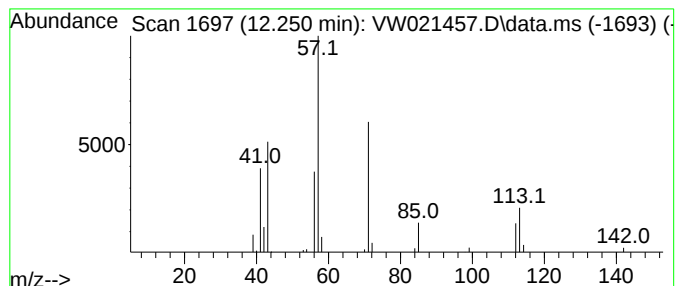
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.249	1.76 ug/L	20359	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86
4			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86
5			Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021457.D
Acq On : 18 Dec 2021 06:04
Operator : SY/VA
Sample : M5153-10
Misc : 5.80g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL75

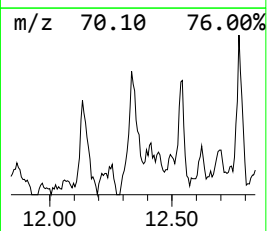
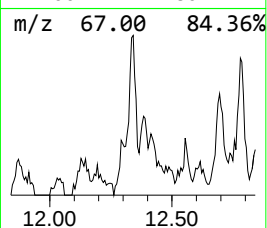
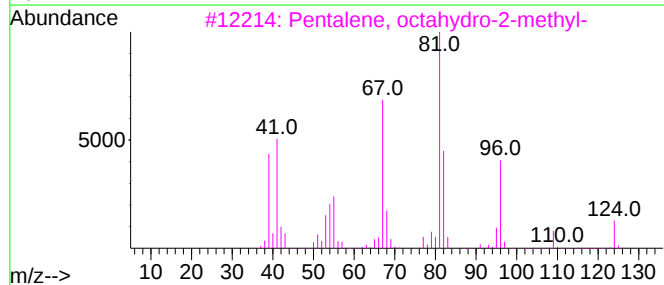
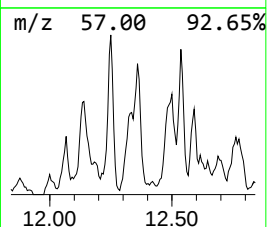
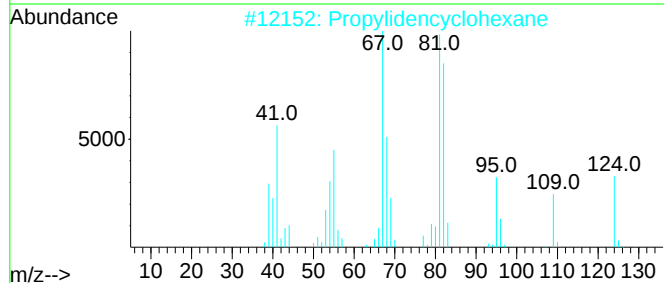
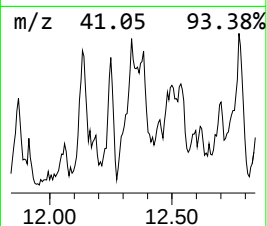
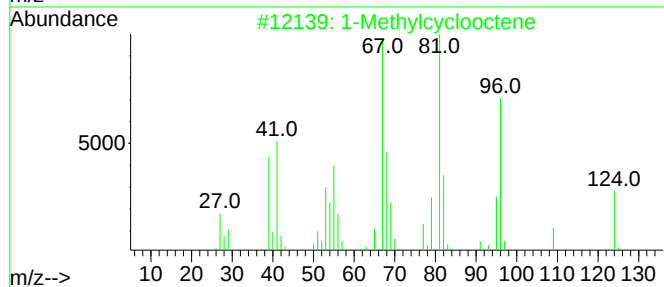
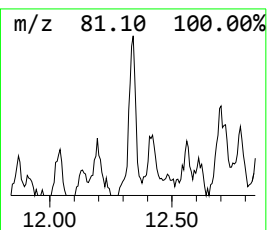
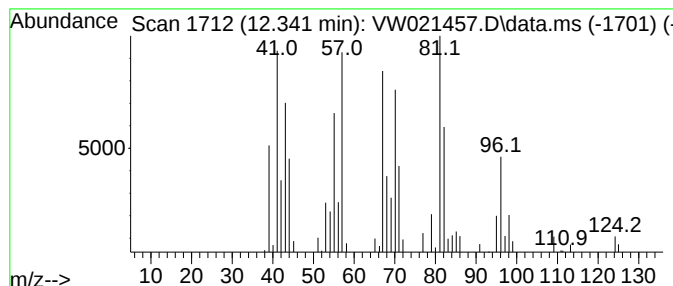
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Quant Title : SFAM01.0

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

Peak Number 7 1-Methylcyclooctene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.341	5.26 ug/L	60919	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methylcyclooctene	124	C9H16	000933-11-9	95
2			Propylidencyclohexane	124	C9H16	002129-93-3	70
3			Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	50
4			Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	49
5			Cyclohexanone, 4-ethenyl-	124	C8H12O	001740-64-3	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021457.D
Acq On : 18 Dec 2021 06:04
Operator : SY/VA
Sample : M5153-10
Misc : 5.80g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL75

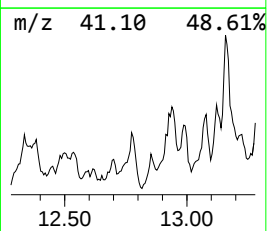
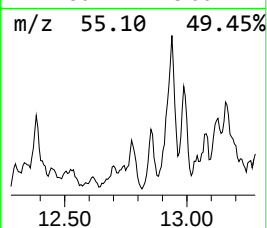
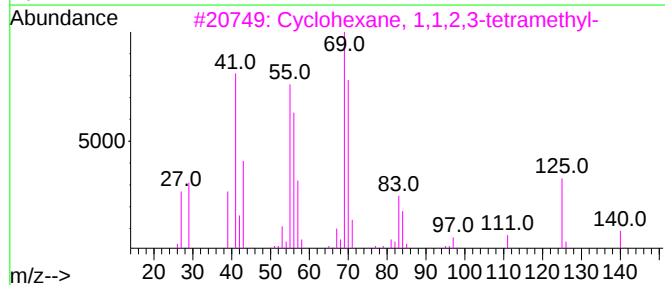
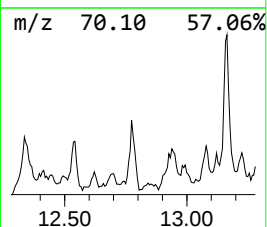
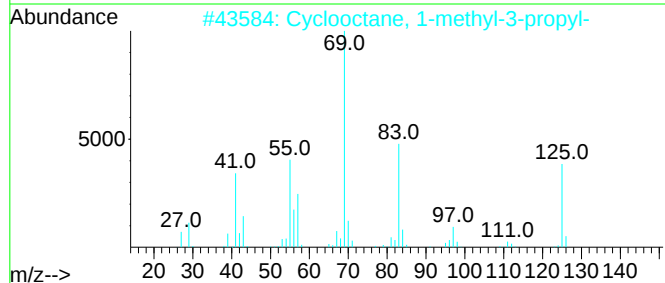
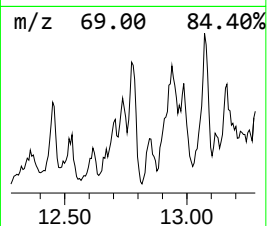
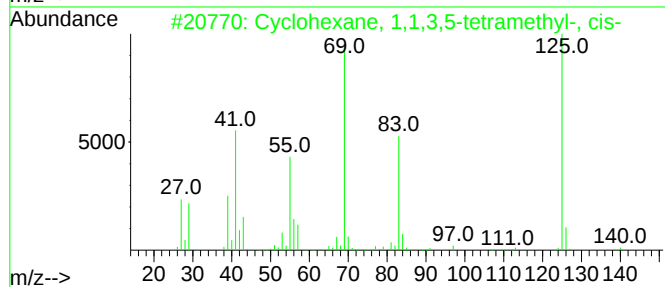
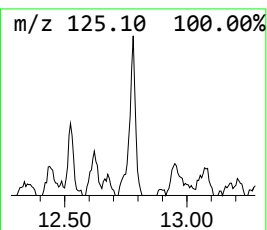
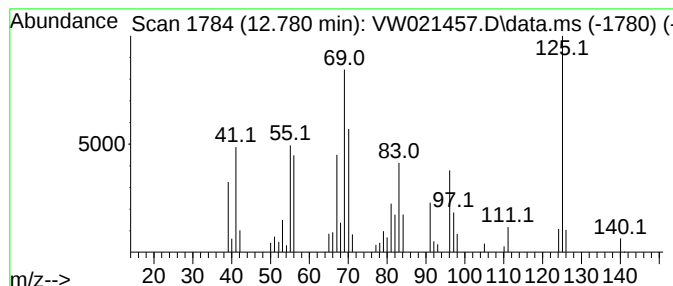
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic12.780 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	3.40 ug/L	42466	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	47
2			Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	47
3			Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	46
4			4-amino-1-methyl-1,2-dihydropyri...	125	C5H7N3O	001122-47-0	35
5			trans-2-Methyl-3-octene	126	C9H18	052937-36-7	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021457.D
Acq On : 18 Dec 2021 06:04
Operator : SY/VA
Sample : M5153-10
Misc : 5.80g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL75

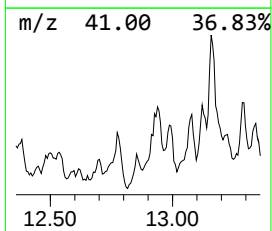
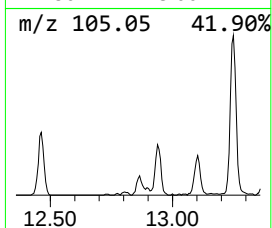
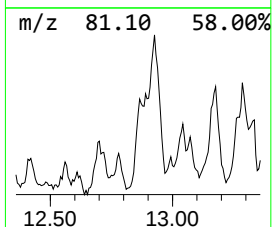
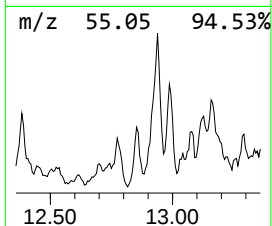
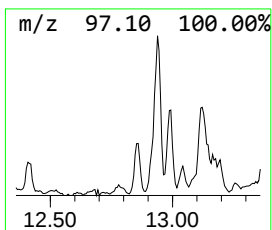
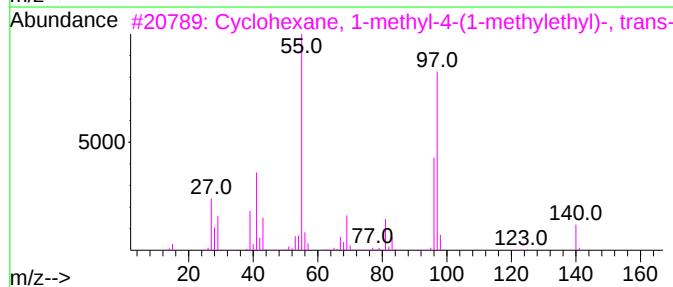
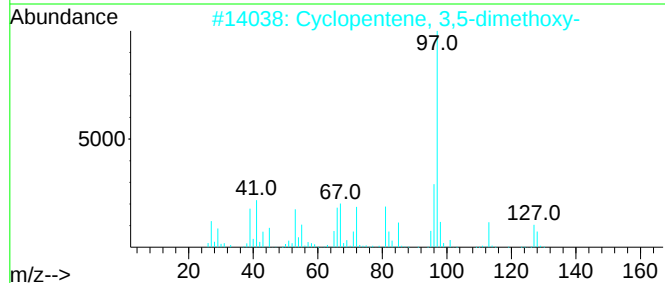
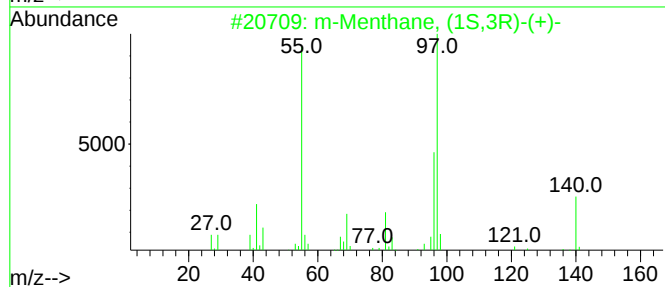
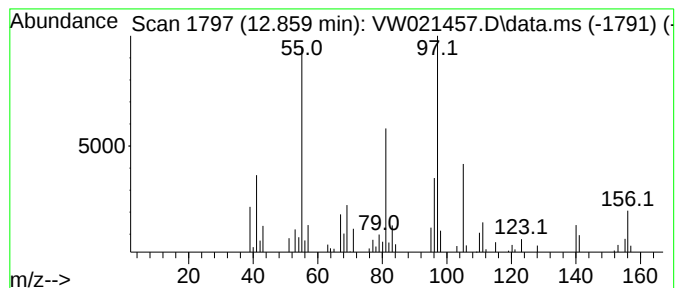
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	2.78 ug/L	34670	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	50
2			Cyclopentene, 3,5-dimethoxy-	128	C7H12O2	089897-05-2	50
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	49
4			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	47
5			Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021457.D
Acq On : 18 Dec 2021 06:04
Operator : SY/VA
Sample : M5153-10
Misc : 5.80g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL75

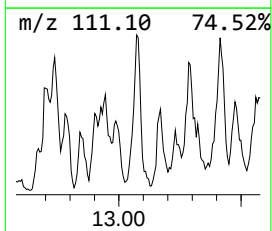
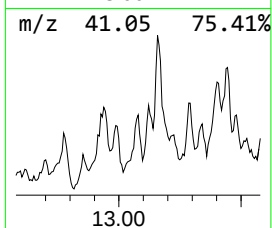
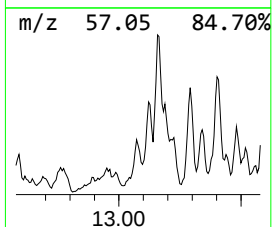
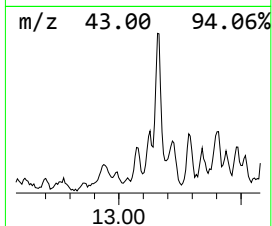
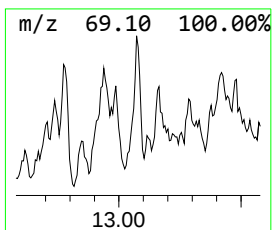
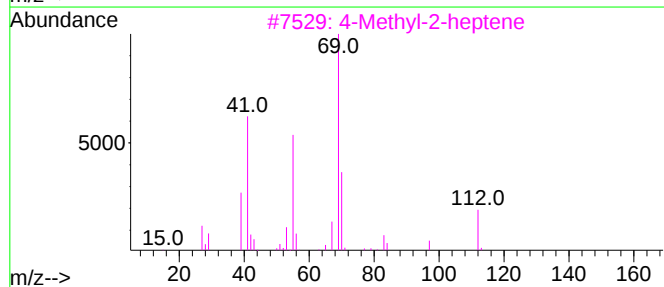
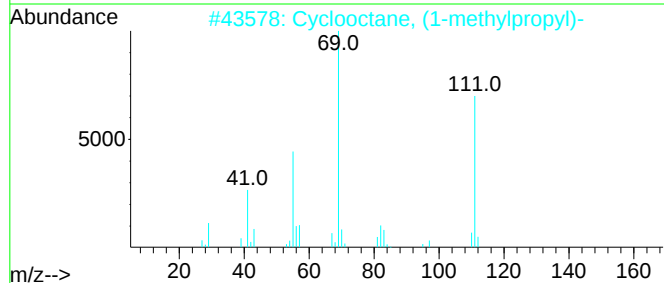
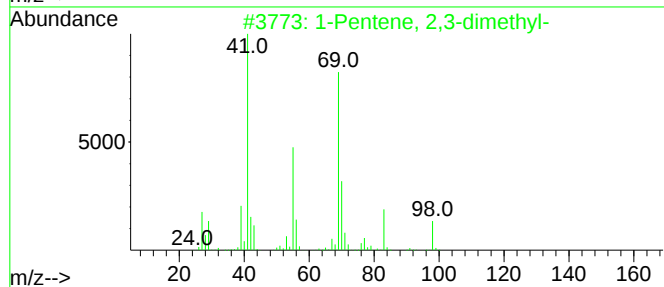
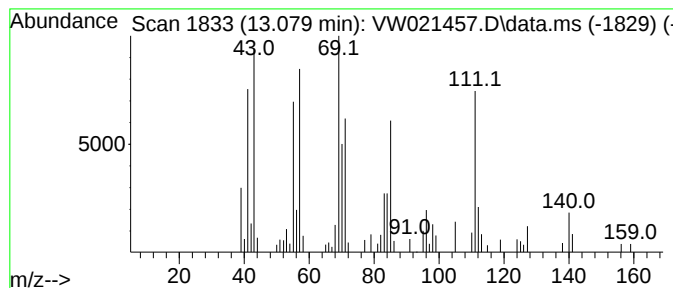
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.079	1.91 ug/L	23773	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	38
2		Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	35
3		4-Methyl-2-heptene	112	C8H16	003404-56-6	30
4		1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	25
5		1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021457.D
Acq On : 18 Dec 2021 06:04
Operator : SY/VA
Sample : M5153-10
Misc : 5.80g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL75

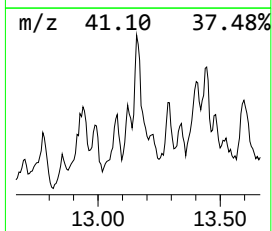
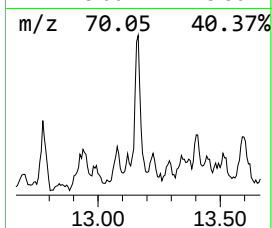
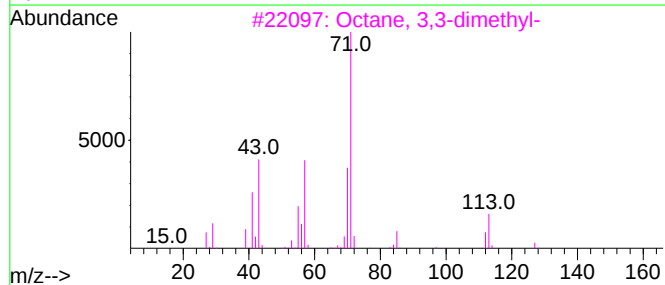
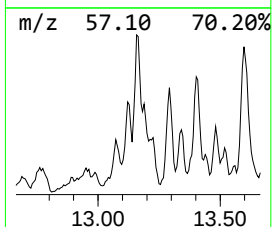
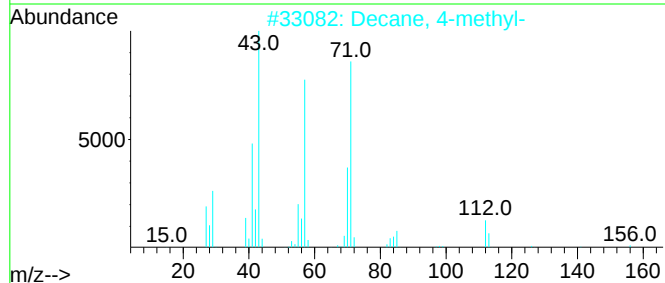
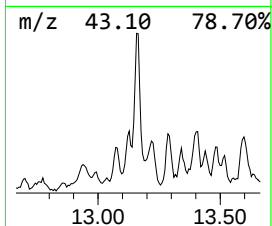
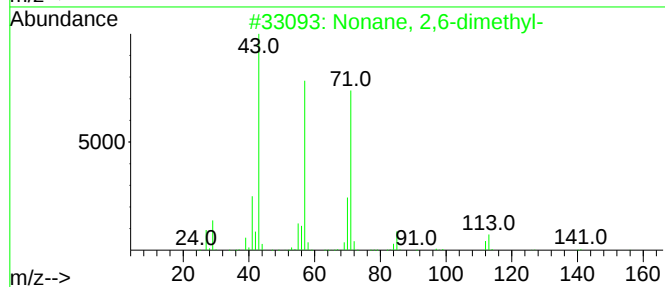
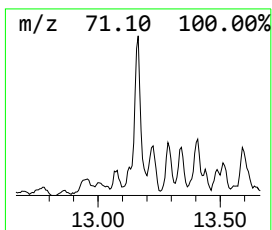
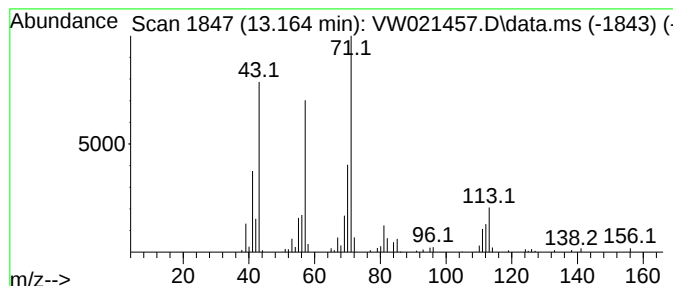
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	5.14 ug/L	64097	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	83
2		Decane, 4-methyl-	156	C11H24	002847-72-5	81
3		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
4		Decane, 4-methyl-	156	C11H24	002847-72-5	64
5		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021457.D
Acq On : 18 Dec 2021 06:04
Operator : SY/VA
Sample : M5153-10
Misc : 5.80g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL75

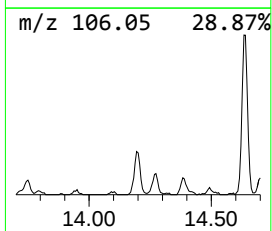
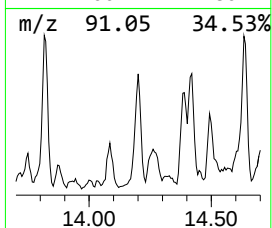
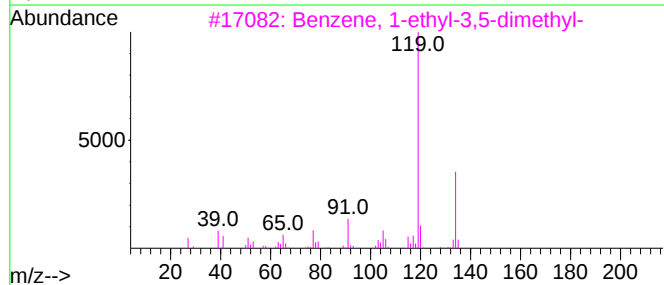
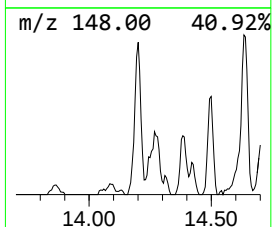
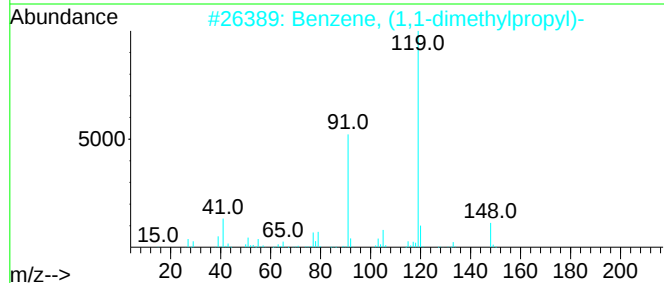
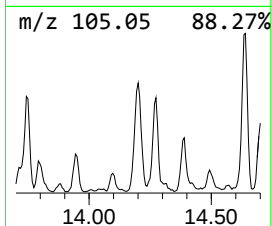
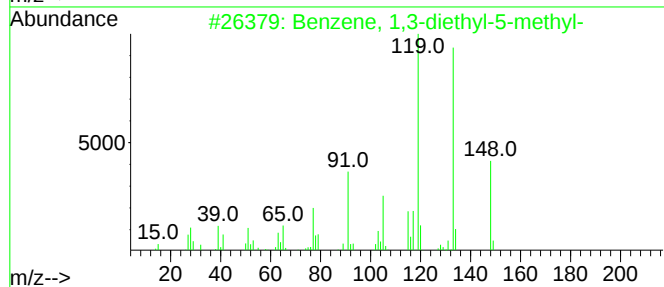
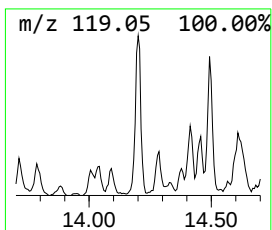
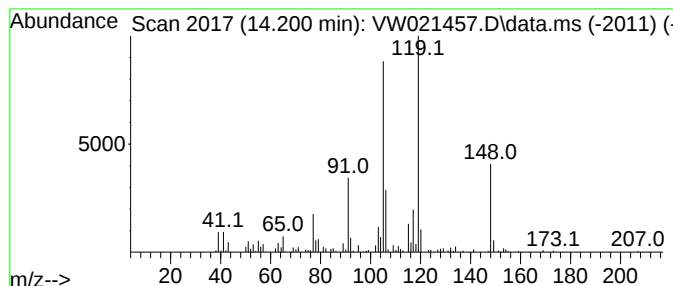
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Quant Title : SFAM01.0

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

Peak Number 12 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.200	6.83 ug/L	85221	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	81
2			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	53
3			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	53
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	49
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021457.D
Acq On : 18 Dec 2021 06:04
Operator : SY/VA
Sample : M5153-10
Misc : 5.80g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL75

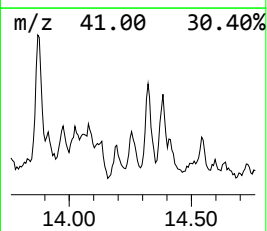
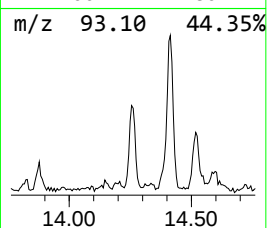
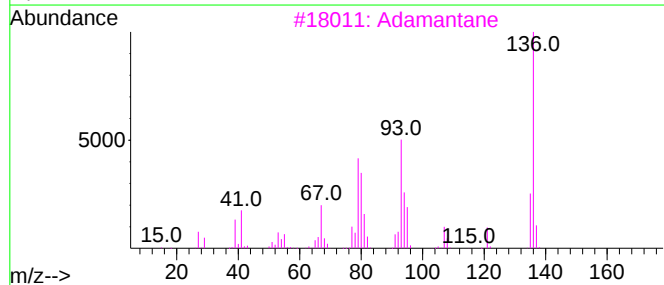
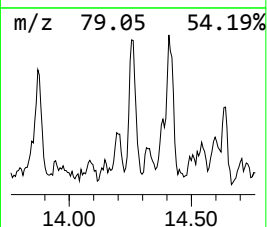
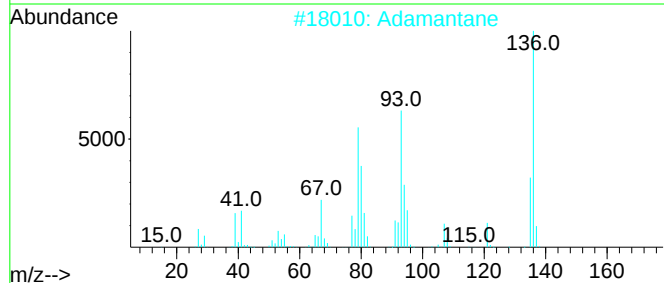
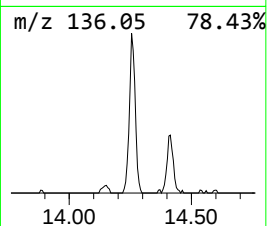
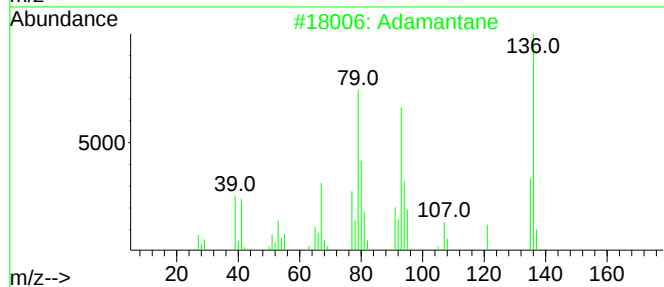
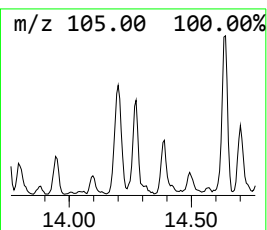
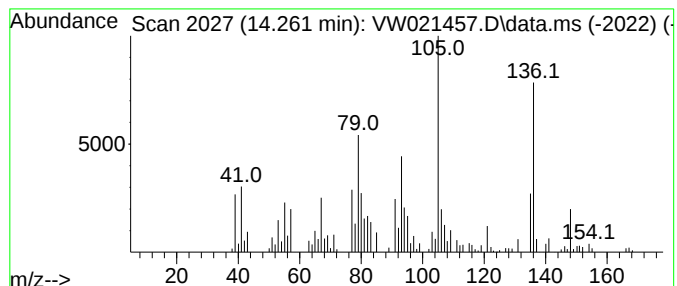
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Quant Title : SFAM01.0

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

Peak Number 13 Adamantane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.261	5.93 ug/L	73988	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane			136	C10H16	000281-23-2	98
2	Adamantane			136	C10H16	000281-23-2	95
3	Adamantane			136	C10H16	000281-23-2	70
4	Adamantane			136	C10H16	000281-23-2	70
5	Adamantane			136	C10H16	000281-23-2	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021457.D
Acq On : 18 Dec 2021 06:04
Operator : SY/VA
Sample : M5153-10
Misc : 5.80g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL75

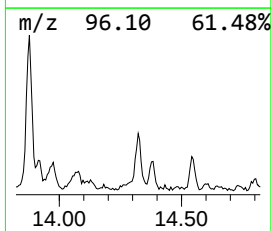
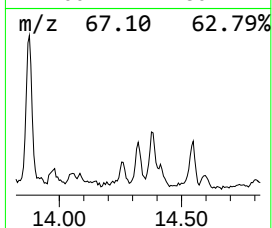
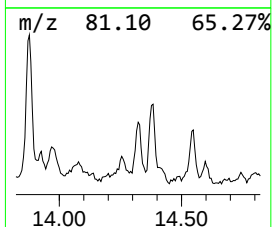
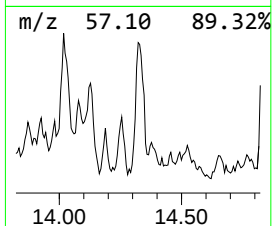
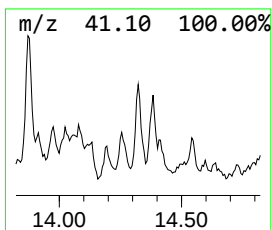
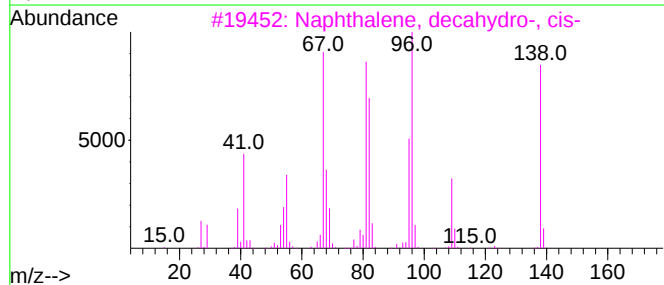
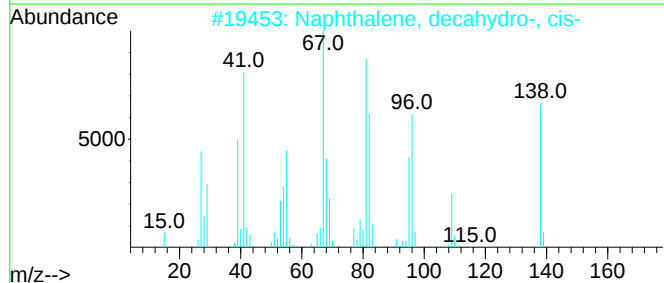
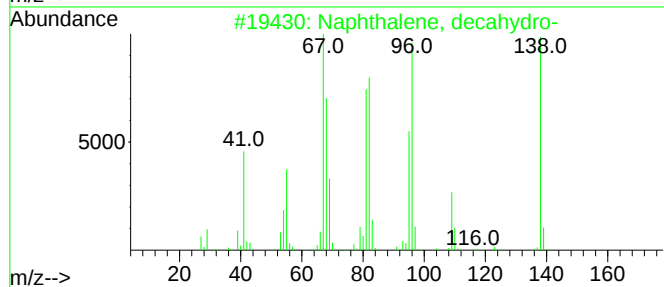
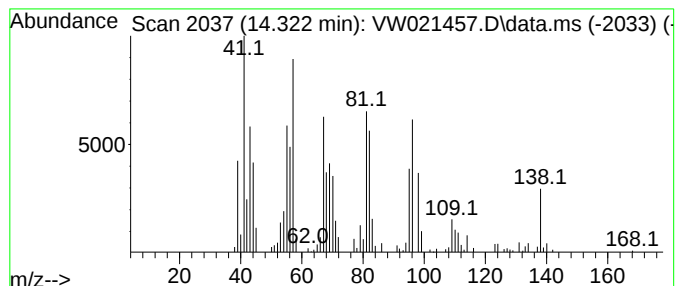
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Quant Title : SFAM01.0

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

Peak Number 14 Naphthalene, decahydro- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.322	4.64 ug/L	57885	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-	138	C10H18	000091-17-8	92
2			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	91
3			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	90
4			Cyclodecene	138	C10H18	003618-12-0	60
5			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021457.D
Acq On : 18 Dec 2021 06:04
Operator : SY/VA
Sample : M5153-10
Misc : 5.80g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL75

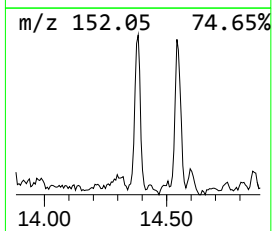
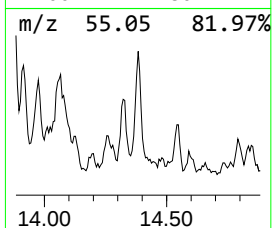
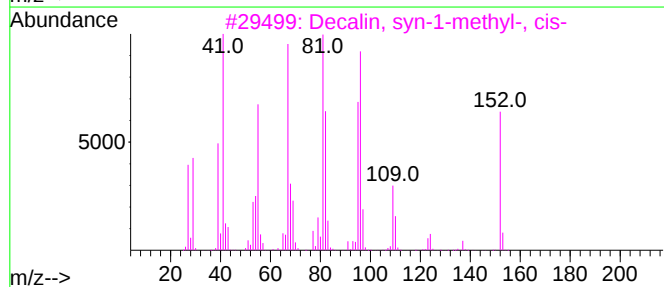
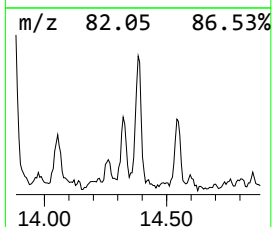
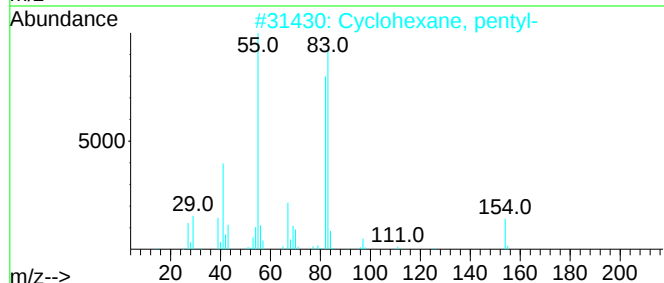
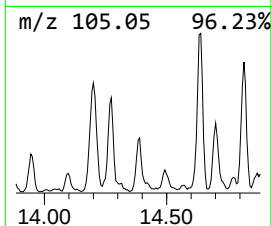
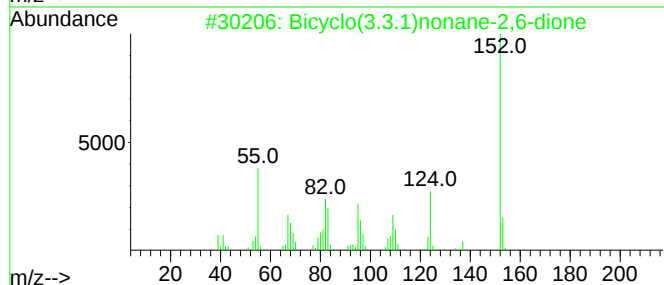
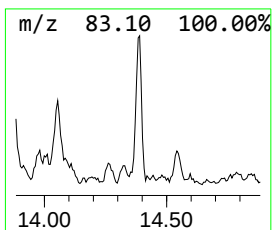
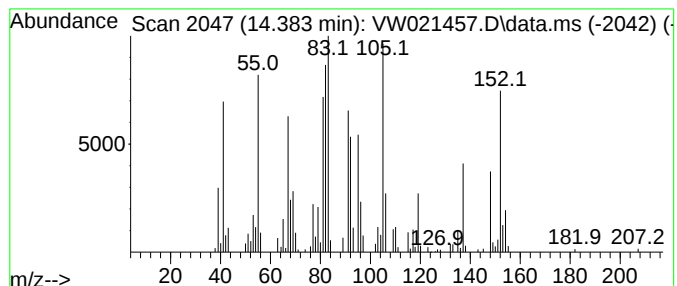
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Quant Title : SFAM01.0

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

Peak Number 15 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	7.06 ug/L	88035	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo(3.3.1)nonane-2,6-dione	152	C9H12O2	016473-11-3	46
2			Cyclohexane, pentyl-	154	C11H22	004292-92-6	38
3			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	30
4			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	30
5			Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-01-6	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021457.D
Acq On : 18 Dec 2021 06:04
Operator : SY/VA
Sample : M5153-10
Misc : 5.80g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL75

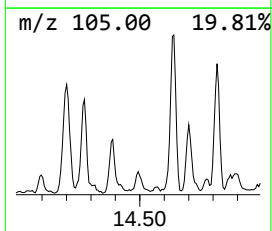
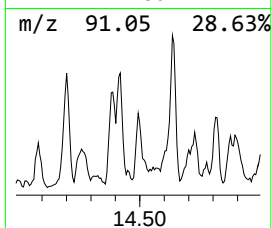
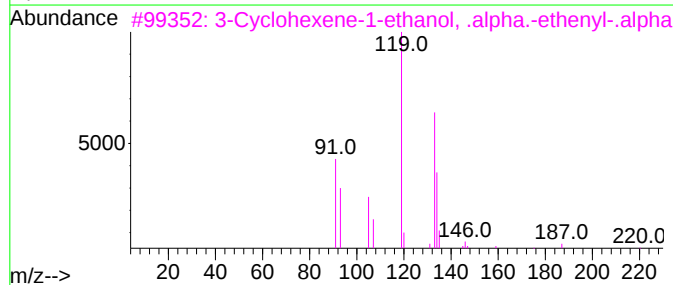
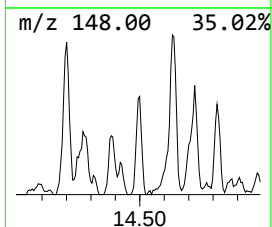
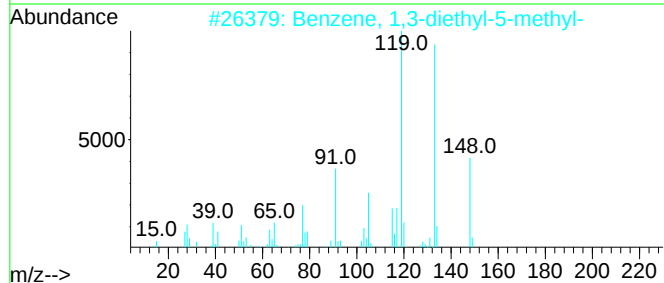
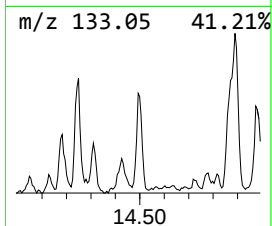
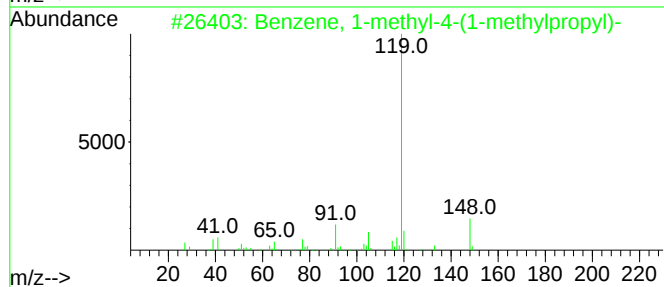
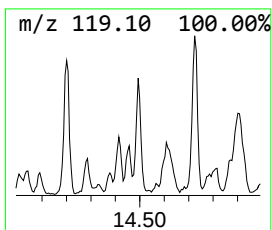
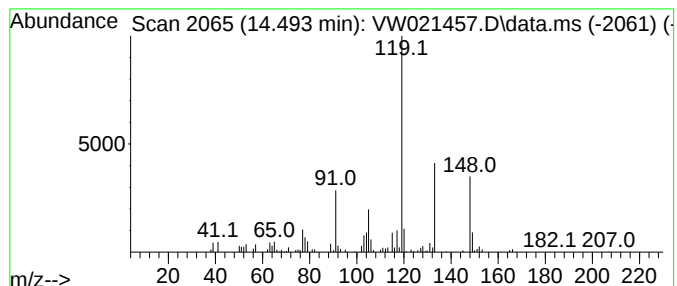
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Quant Title : SFAM01.0

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

Peak Number 16 Benzene, 1-methyl-4-(1-meth... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.493	3.86 ug/L	48211	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	58
2			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	53
3			3-Cyclohexene-1-ethanol, .alpha....	220	C15H24O	055780-93-3	53
4			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	50
5			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021457.D
Acq On : 18 Dec 2021 06:04
Operator : SY/VA
Sample : M5153-10
Misc : 5.80g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL75

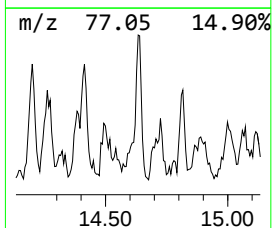
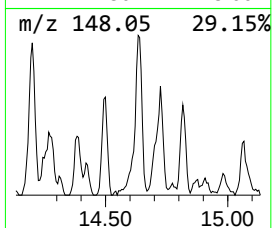
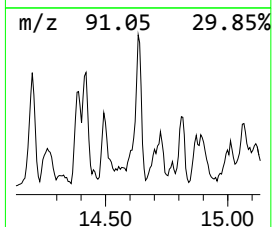
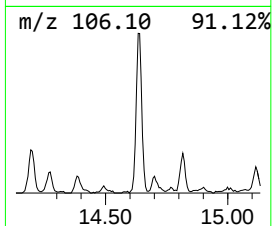
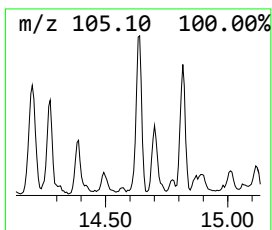
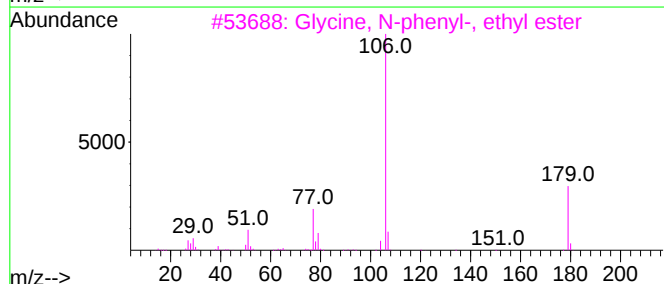
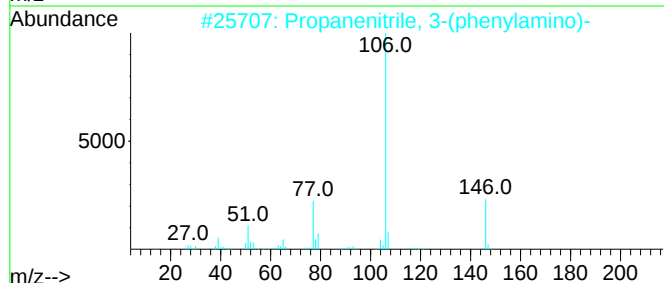
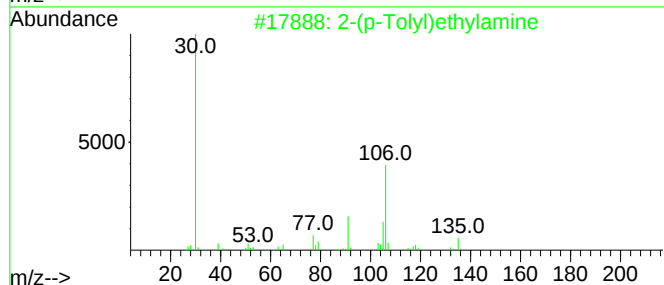
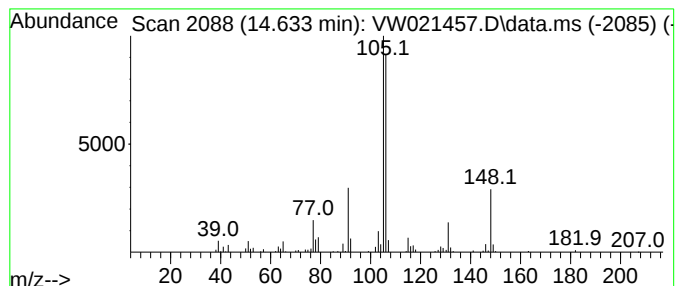
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Quant Title : SFAM01.0

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

Peak Number 17 2-(p-Tolyl)ethylamine Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.633	6.07 ug/L	75700	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-(p-Tolyl)ethylamine	135	C9H13N	003261-62-9	53
2			Propanenitrile, 3-(phenylamino)-	146	C9H10N2	001075-76-9	47
3			Glycine, N-phenyl-, ethyl ester	179	C10H13NO2	002216-92-4	43
4			Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	43
5			2-Butanone, 1-amino-1-phenyl-	163	C10H13NO	032187-26-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021457.D
Acq On : 18 Dec 2021 06:04
Operator : SY/VA
Sample : M5153-10
Misc : 5.80g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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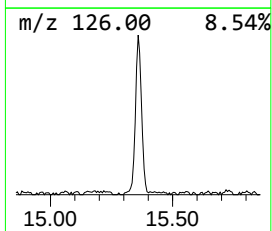
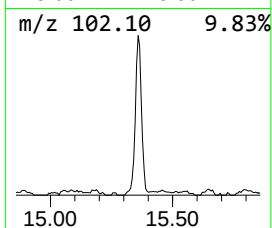
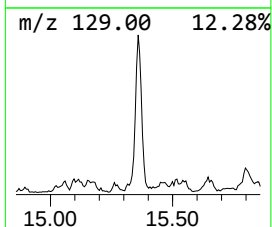
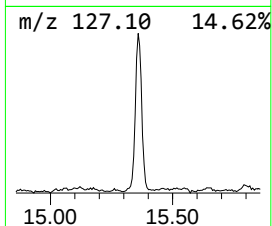
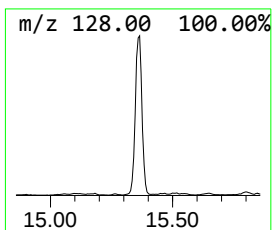
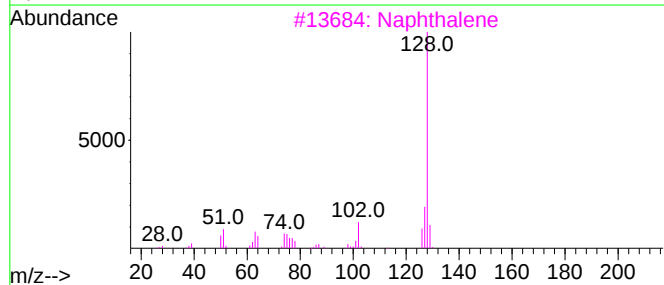
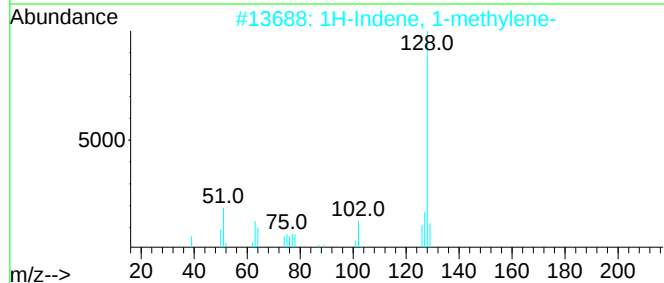
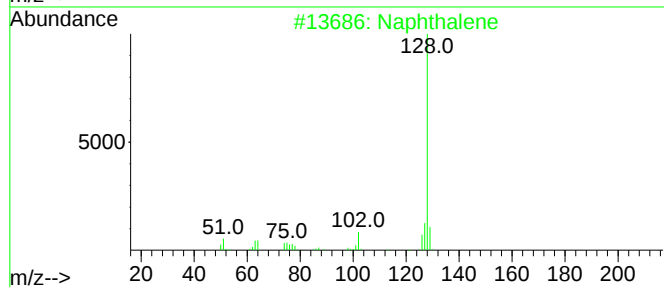
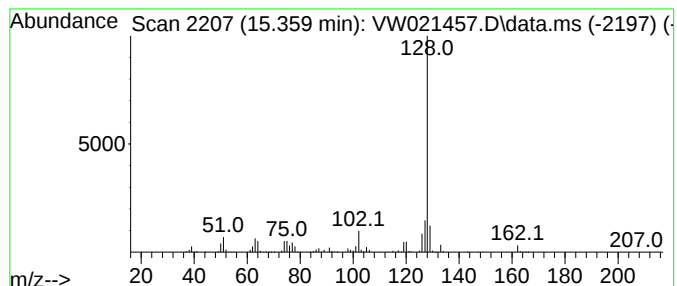
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Quant Title : SFAM01.0

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

Peak Number 18 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.359	23.90 ug/L	298247	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene	128	C10H8	000091-20-3	94
2			1H-Indene, 1-methylene-	128	C10H8	002471-84-3	93
3			Naphthalene	128	C10H8	000091-20-3	91
4			Azulene	128	C10H8	000275-51-4	87
5			Azulene	128	C10H8	000275-51-4	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021457.D
Acq On : 18 Dec 2021 06:04
Operator : SY/VA
Sample : M5153-10
Misc : 5.80g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL75

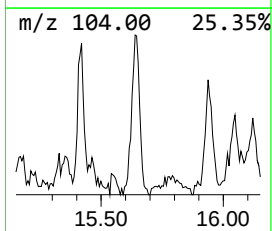
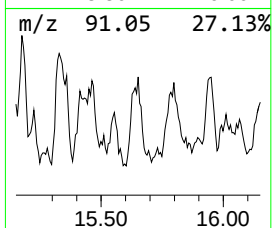
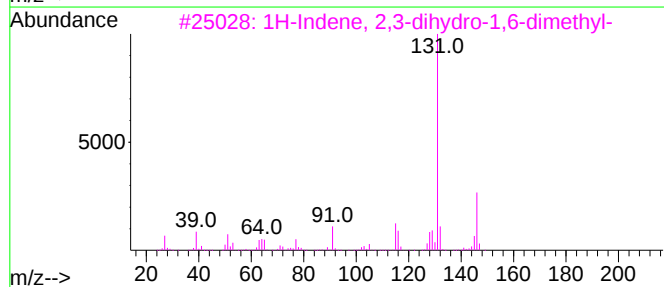
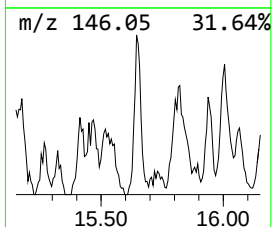
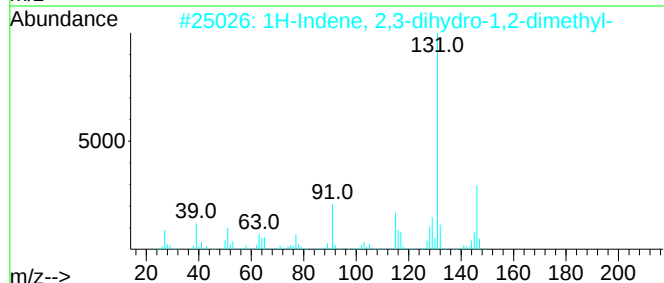
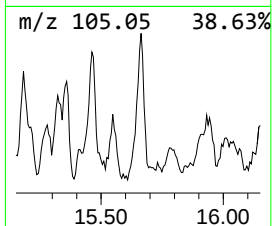
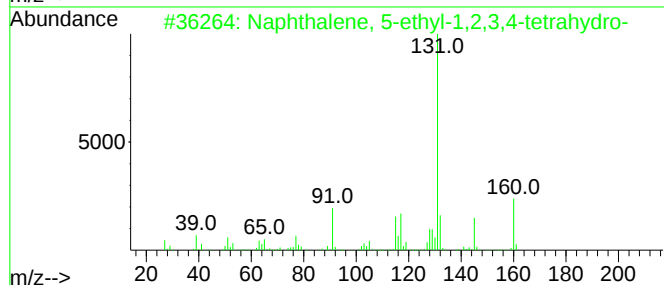
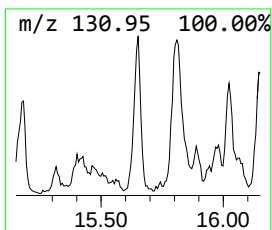
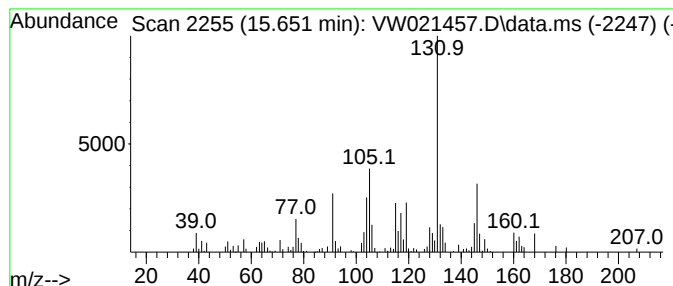
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Quant Title : SFAM01.0

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

Peak Number 19 Naphthalene, 5-ethyl-1,2,3,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	5.91 ug/L	73694	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 5-ethyl-1,2,3,4-tet...	160	C12H16	042775-75-7	64
2			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
3			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	60
4			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	58
5			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021457.D
Acq On : 18 Dec 2021 06:04
Operator : SY/VA
Sample : M5153-10
Misc : 5.80g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL75

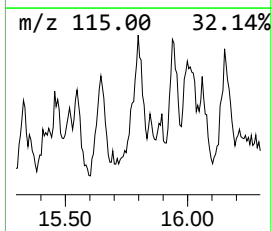
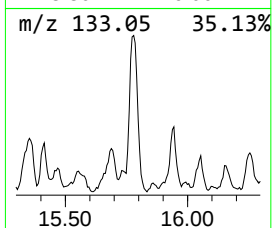
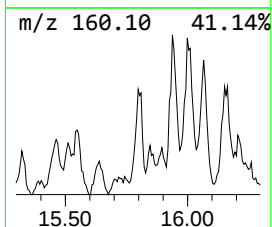
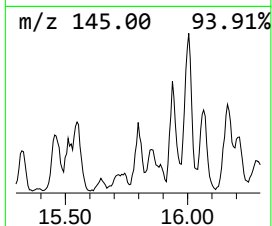
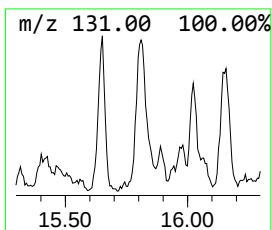
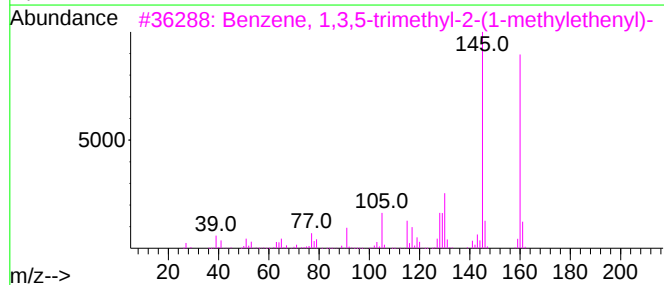
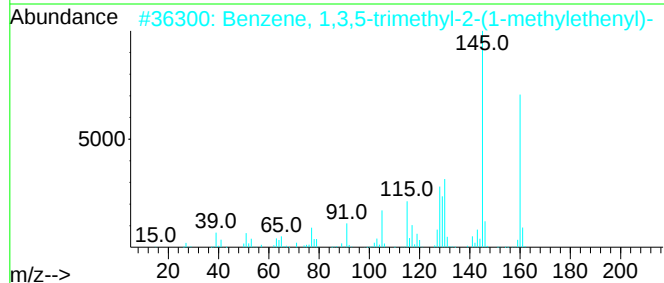
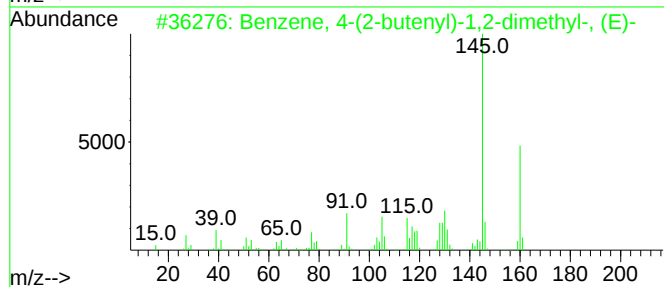
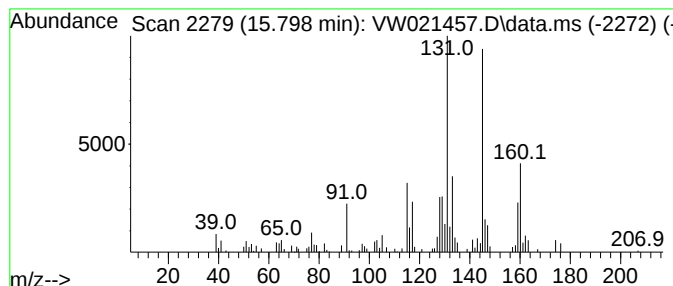
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Quant Title : SFAM01.0

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

Peak Number 20 Benzene, 4-(2-butenyl)-1,2-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.798	4.85 ug/L	60557	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	60
2			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	55
3			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	49
4			Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	49
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021457.D
Acq On : 18 Dec 2021 06:04
Operator : SY/VA
Sample : M5153-10
Misc : 5.80g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL75

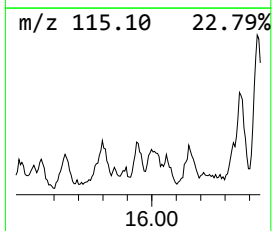
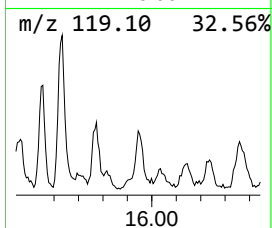
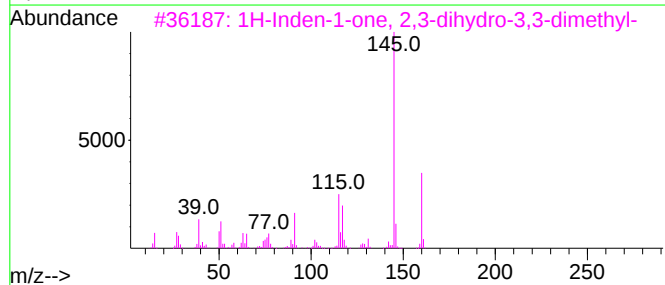
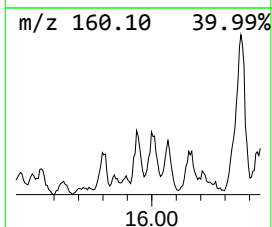
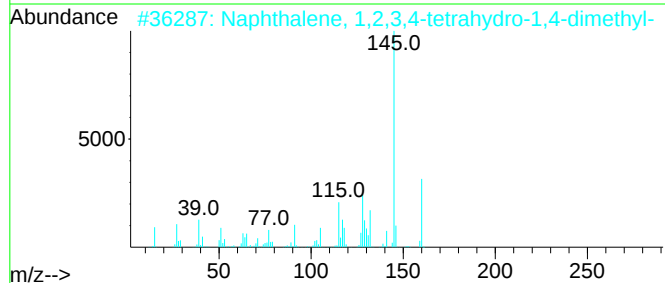
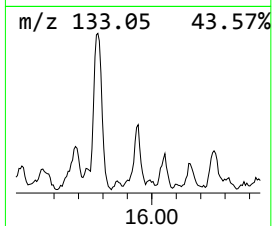
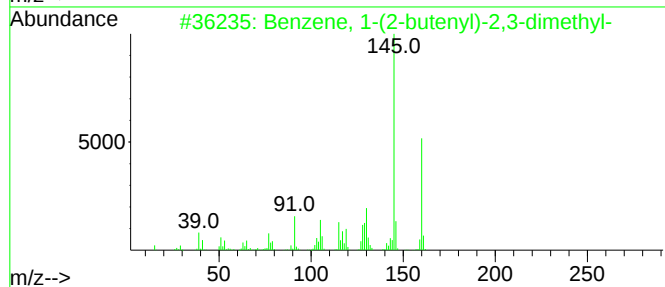
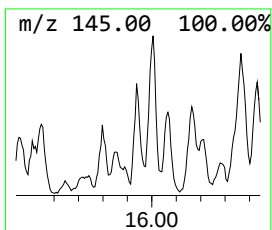
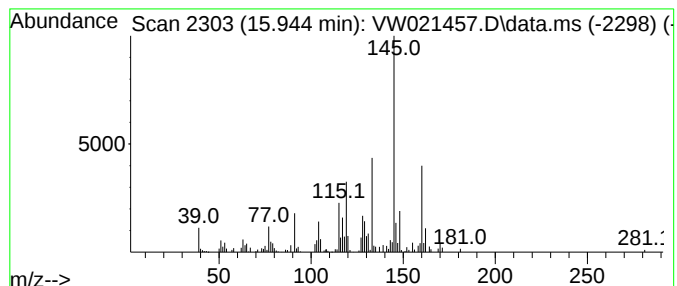
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Quant Title : SFAM01.0

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

Peak Number 21 Benzene, 1-(2-butenyl)-2,3-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.944	4.00 ug/L	49914	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	83
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	70
3			1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	64
4			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	60
5			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021457.D
Acq On : 18 Dec 2021 06:04
Operator : SY/VA
Sample : M5153-10
Misc : 5.80g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL75

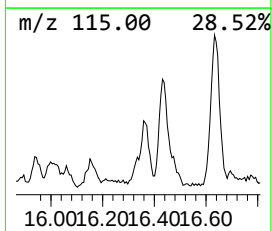
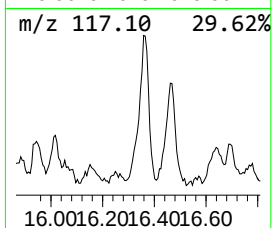
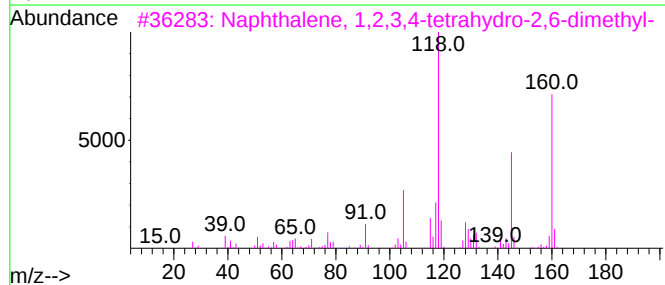
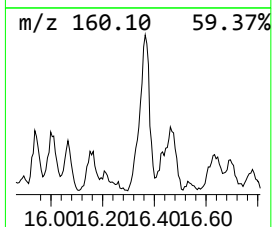
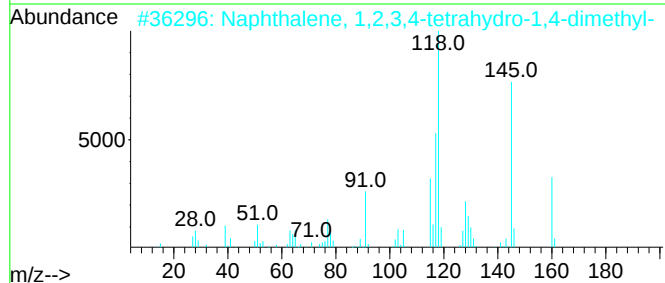
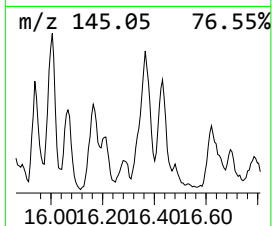
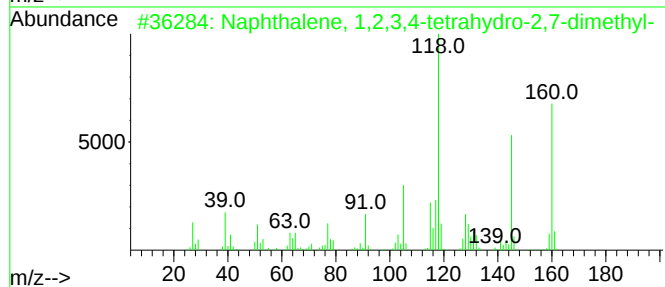
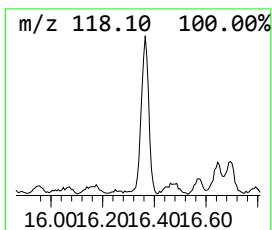
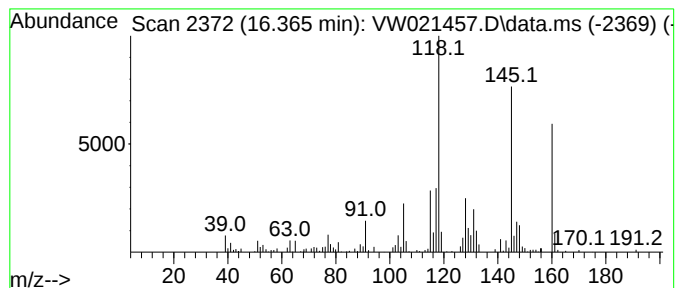
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Quant Title : SFAM01.0

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

Peak Number 22 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.365	7.18 ug/L	89637	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	90
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	58
3			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	55
4			1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	001590-08-5	49
5			1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	001590-08-5	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
 Data File : VW021457.D
 Acq On : 18 Dec 2021 06:04
 Operator : SY/VA
 Sample : M5153-10
 Misc : 5.80g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL75

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Acetaldehyde	2.495	1.4	ug/L	12009	1	8.842	214300	25.0
(DEL) Alkane: C...	11.871	2.1	ug/L	23996	2	11.634	289376	25.0
(DEL) Alkane: C...	12.134	4.7	ug/L	54797	2	11.634	289376	25.0
(DEL) Alkane: S...	12.249	1.8	ug/L	20359	2	11.634	289376	25.0
1-Methylcyclooc...	12.341	5.3	ug/L	60919	2	11.634	289376	25.0
(DEL) Alkane: C...	12.780	3.4	ug/L	42466	3	13.554	311930	25.0
(DEL) Alkane: S...	12.859	2.8	ug/L	34670	3	13.554	311930	25.0
(DEL) Alkane: S...	13.079	1.9	ug/L	23773	3	13.554	311930	25.0
(DEL) Alkane: S...	13.164	5.1	ug/L	64097	3	13.554	311930	25.0
Benzene, 1,3-di...	14.200	6.8	ug/L	85221	3	13.554	311930	25.0
Adamantane	14.261	5.9	ug/L	73988	3	13.554	311930	25.0
Naphthalene, de...	14.322	4.6	ug/L	57885	3	13.554	311930	25.0
unknown-01	14.383	7.1	ug/L	88035	3	13.554	311930	25.0
Benzene, 1-meth...	14.493	3.9	ug/L	48211	3	13.554	311930	25.0
2-(p-Tolyl)ethy...	14.633	6.1	ug/L	75700	3	13.554	311930	25.0
Azulene	15.359	23.9	ug/L	298247	3	13.554	311930	25.0
Naphthalene, 5-...	15.651	5.9	ug/L	73694	3	13.554	311930	25.0
Benzene, 4-(2-b...	15.798	4.8	ug/L	60557	3	13.554	311930	25.0
Benzene, 1-(2-b...	15.944	4.0	ug/L	49914	3	13.554	311930	25.0
Naphthalene, 1,...	16.365	7.2	ug/L	89637	3	13.554	311930	25.0