

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
 Data File : VW021428.D
 Acq On : 17 Dec 2021 14:04
 Operator : SY/VA
 Sample : M5121-02
 Misc : 6.69g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL51

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: VW021428.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.983	11	13	22	rVB2	1975	3327	0.59%	0.047%
2	2.349	67	73	81	rVB	43040	70344	12.43%	0.996%
3	2.489	90	96	104	rBV	6479	12912	2.28%	0.183%
4	2.806	143	148	150	rBV3	482	790	0.14%	0.011%
5	2.879	153	160	171	rVB	23482	51329	9.07%	0.727%
6	3.038	185	186	189	rBV2	402	262	0.05%	0.004%
7	3.111	196	198	199	rVB	215	113	0.02%	0.002%
8	3.129	199	201	202	rBV	174	116	0.02%	0.002%
9	3.373	238	241	247	rVB2	264	370	0.07%	0.005%
10	3.458	254	255	259	rVB	103	125	0.02%	0.002%
11	3.678	283	291	296	rBV4	572	1399	0.25%	0.020%
12	3.745	300	302	307	rVB	112	182	0.03%	0.003%
13	4.013	335	346	358	rBV	39799	120214	21.24%	1.702%
14	4.117	358	363	377	rVB2	2794	7630	1.35%	0.108%
15	4.312	392	395	397	rBV	103	149	0.03%	0.002%
16	4.361	397	403	404	rBV	520	628	0.11%	0.009%
17	4.684	452	456	459	rBB	131	170	0.03%	0.002%
18	4.732	463	464	467	rBV	96	117	0.02%	0.002%
19	4.909	482	493	504	rBV2	4242	13620	2.41%	0.193%
20	5.677	616	619	622	rBV	145	170	0.03%	0.002%
21	5.787	629	637	644	rBV2	1038	3139	0.55%	0.044%
22	5.933	654	661	662	rBV2	354	470	0.08%	0.007%
23	6.129	691	693	696	rBV	72	109	0.02%	0.002%
24	6.263	711	715	716	rBB	131	129	0.02%	0.002%
25	6.903	812	820	829	rBV3	1817	5531	0.98%	0.078%
26	7.074	840	848	858	rBV	7750	21412	3.78%	0.303%
27	7.250	873	877	879	rBV2	207	247	0.04%	0.003%
28	7.640	932	941	955	rBB	59468	147803	26.11%	2.093%
29	7.933	987	989	991	rBB	139	116	0.02%	0.002%
30	8.275	1035	1045	1061	rBV2	116098	337724	59.67%	4.782%
31	8.378	1061	1062	1065	rVV2	333	409	0.07%	0.006%
32	8.403	1065	1066	1068	rVV	398	352	0.06%	0.005%
33	8.427	1068	1070	1072	rVV	410	505	0.09%	0.007%
34	8.470	1072	1077	1084	rVV2	780	2000	0.35%	0.028%
35	8.524	1084	1086	1087	rVV2	406	330	0.06%	0.005%
36	8.543	1087	1089	1097	rVV2	432	988	0.17%	0.014%

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

37	8.598	1097	1098	1100	rVV	172	141	0.02%	0.002%
38	8.701	1111	1115	1116	rBV	317	316	0.06%	0.004%
39	8.713	1116	1117	1119	rVB	253	180	0.03%	0.003%
40	8.841	1128	1138	1149	rBV	125418	245397	43.35%	3.475%
41	9.067	1170	1175	1179	rBB	474	708	0.13%	0.010%
42	9.110	1179	1182	1183	rBB	131	110	0.02%	0.002%
43	9.268	1200	1208	1222	rBV	76592	154732	27.34%	2.191%
44	9.390	1222	1228	1240	rVB6	1232	4159	0.73%	0.059%
45	9.573	1252	1258	1260	rBB2	205	277	0.05%	0.004%
46	9.665	1269	1273	1276	rBB	278	306	0.05%	0.004%
47	9.756	1281	1288	1293	rBB	752	1449	0.26%	0.021%
48	9.890	1306	1310	1315	rBB2	975	1656	0.29%	0.023%
49	9.951	1316	1320	1322	rBB2	126	115	0.02%	0.002%
50	10.030	1325	1333	1346	rBV	39771	71638	12.66%	1.014%
51	10.128	1348	1349	1352	rVB	152	130	0.02%	0.002%
52	10.213	1357	1363	1364	rBV3	2035	3380	0.60%	0.048%
53	10.244	1364	1368	1373	rVV3	4962	9255	1.64%	0.131%
54	10.323	1373	1381	1388	rVV	177589	310907	54.93%	4.403%
55	10.384	1388	1391	1397	rVB3	2660	3967	0.70%	0.056%
56	10.500	1403	1410	1416	rBB4	519	1169	0.21%	0.017%
57	10.573	1416	1422	1434	rBV	24540	42461	7.50%	0.601%
58	10.701	1438	1443	1448	rBB	1035	1325	0.23%	0.019%
59	10.768	1448	1454	1459	rBV4	4655	8632	1.53%	0.122%
60	10.841	1460	1466	1473	rVB	16752	30677	5.42%	0.434%
61	10.926	1473	1480	1488	rBV2	59254	111138	19.64%	1.574%
62	11.036	1491	1498	1506	rBV	39544	90442	15.98%	1.281%
63	11.109	1506	1510	1519	rVB2	11781	24232	4.28%	0.343%
64	11.225	1520	1529	1534	rBV3	9476	17214	3.04%	0.244%
65	11.280	1534	1538	1541	rVB5	1336	2026	0.36%	0.029%
66	11.335	1542	1547	1550	rBV2	13404	21414	3.78%	0.303%
67	11.378	1550	1554	1560	rVB2	27672	47032	8.31%	0.666%
68	11.432	1560	1563	1570	rVB3	6055	9566	1.69%	0.135%
69	11.500	1570	1574	1579	rBV	11144	17302	3.06%	0.245%
70	11.542	1579	1581	1585	rVB3	2149	2296	0.41%	0.033%
71	11.628	1585	1595	1602	rBV	191223	352283	62.24%	4.989%
72	11.823	1620	1627	1631	rBV2	22855	49094	8.67%	0.695%
73	11.871	1631	1635	1639	rVB2	23133	37228	6.58%	0.527%
74	11.975	1647	1652	1653	rBV2	10921	15459	2.73%	0.219%
75	12.067	1663	1667	1670	rBV	9167	12449	2.20%	0.176%
76	12.127	1670	1677	1684	rBV5	65471	167577	29.61%	2.373%

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77	12.249	1693	1697	1702	rVB	82265	125031	22.09%	1.771%
78	12.329	1702	1710	1712	rBV4	57359	114711	20.27%	1.624%
79	12.451	1725	1730	1737	rBV4	46029	111594	19.72%	1.580%
80	12.591	1749	1753	1754	rBV	20893	26666	4.71%	0.378%
81	12.694	1762	1770	1774	rBV3	98776	231617	40.92%	3.280%
82	12.774	1780	1783	1790	rVB2	152797	273214	48.27%	3.869%
83	12.859	1790	1797	1800	rBV4	84856	181382	32.05%	2.568%
84	12.938	1804	1810	1815	rVV3	208716	488939	86.38%	6.924%
85	12.987	1815	1818	1823	rVB	124729	197107	34.82%	2.791%
86	13.079	1824	1833	1836	rBV5	78462	181299	32.03%	2.567%
87	13.121	1836	1840	1843	rVV2	57391	104700	18.50%	1.483%
88	13.164	1843	1847	1855	rVB2	99765	190694	33.69%	2.700%
89	13.292	1864	1868	1872	rBV2	51631	81073	14.32%	1.148%
90	13.377	1879	1882	1884	rBV2	31091	46398	8.20%	0.657%
91	13.475	1896	1898	1902	rVB	29441	33997	6.01%	0.481%
92	13.554	1906	1911	1916	rVV	197064	314477	55.56%	4.453%
93	13.871	1955	1963	1969	rBV2	216276	559421	98.83%	7.922%
94	14.188	2012	2015	2019	rBV5	14474	24112	4.26%	0.341%
95	14.377	2042	2046	2050	rBV	61595	93319	16.49%	1.321%
96	14.542	2066	2073	2078	rVB2	60121	126851	22.41%	1.796%
97	14.792	2110	2114	2115	rBV3	14927	20408	3.61%	0.289%
98	15.359	2197	2207	2218	rBV	283210	566019	100.00%	8.015%
99	16.432	2378	2383	2396	rVB	42655	89965	15.89%	1.274%
100	16.639	2410	2417	2428	rVB	85075	203804	36.01%	2.886%

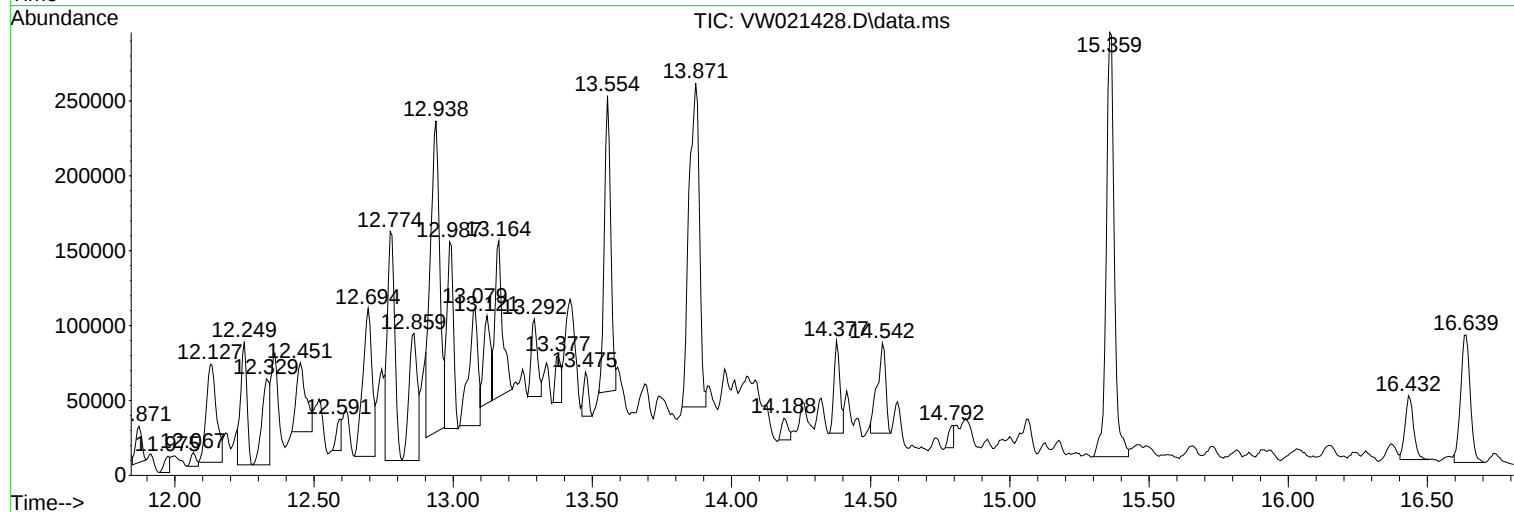
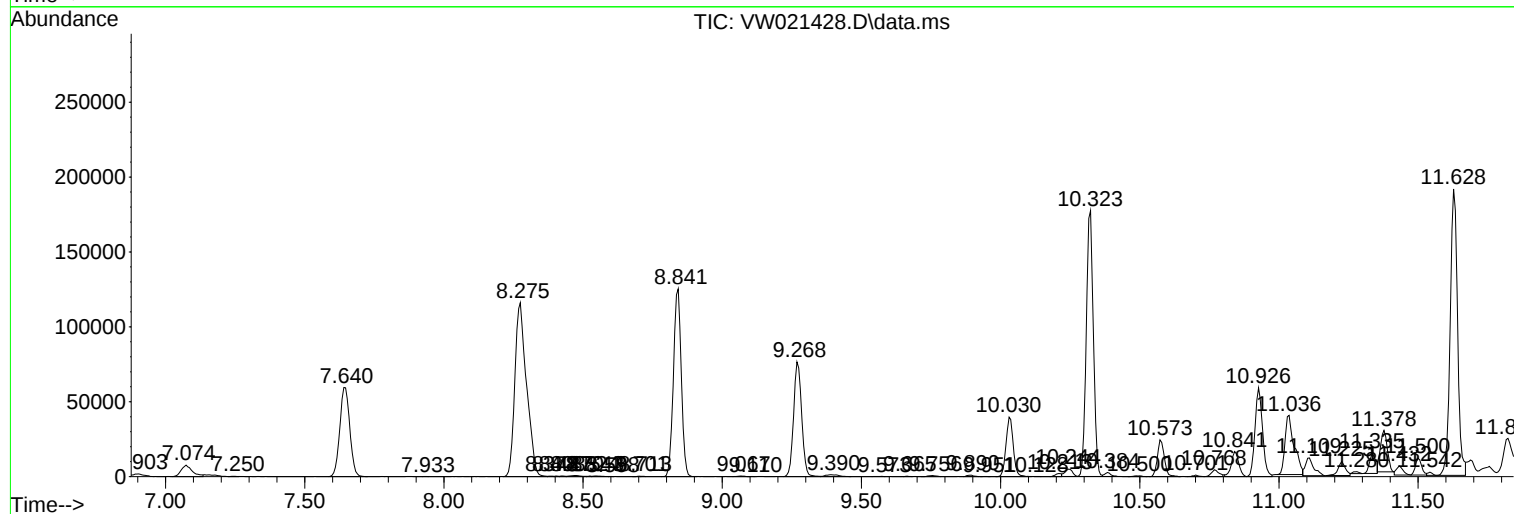
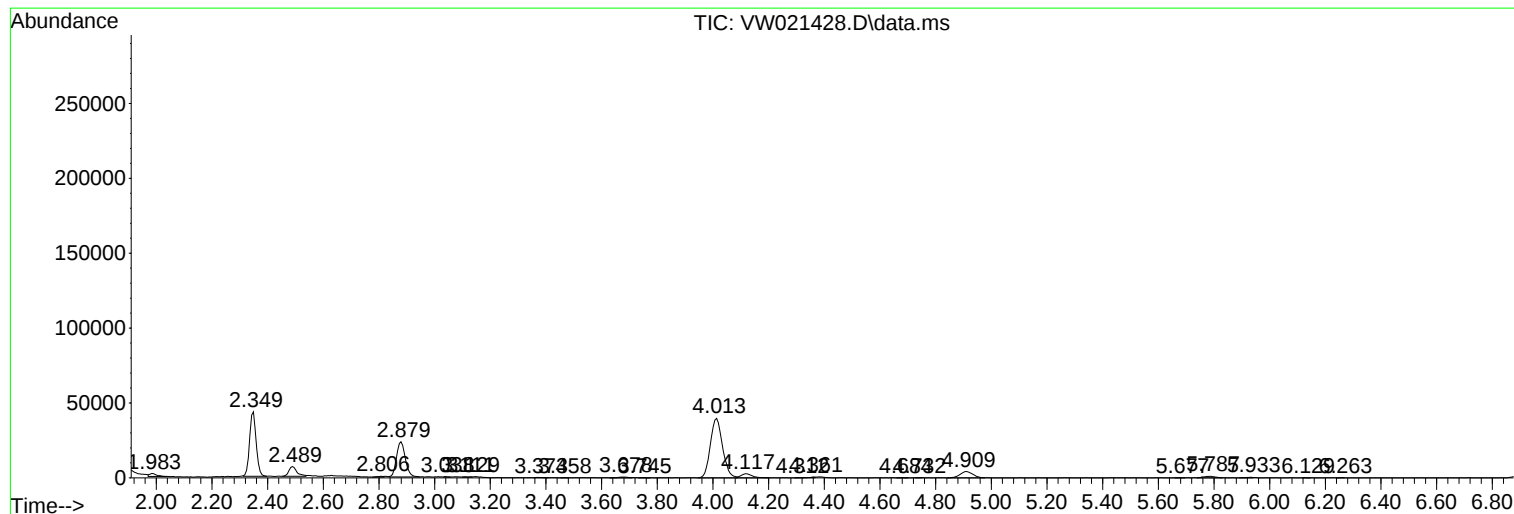
Sum of corrected areas: 7061868

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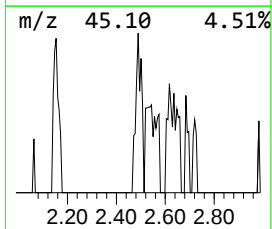
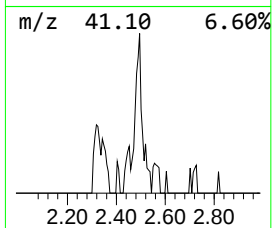
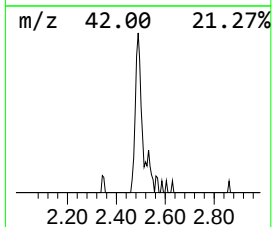
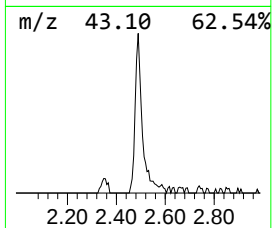
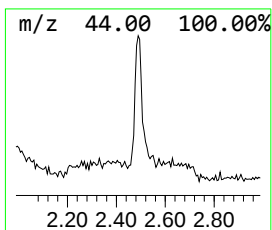
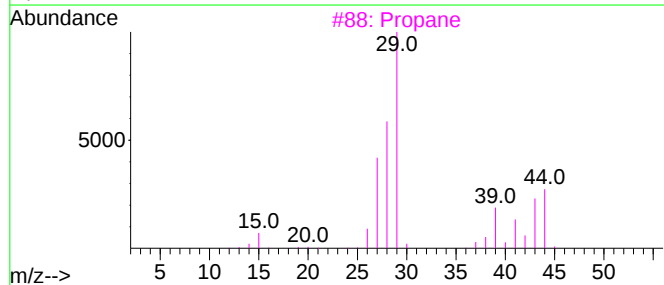
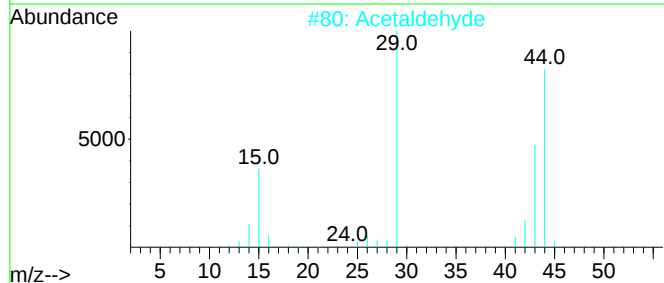
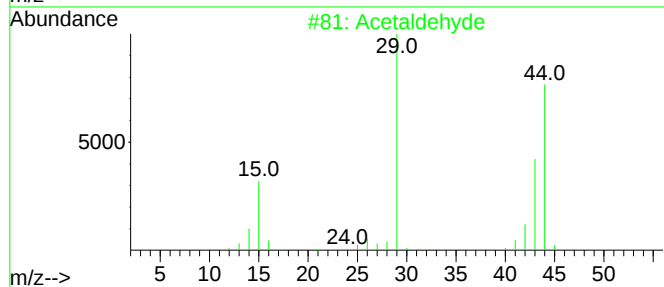
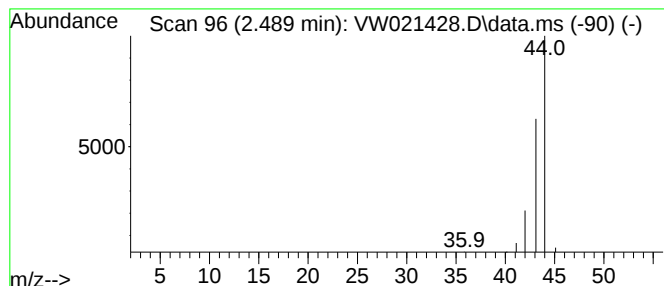
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 Acetaldehyde Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.489	1.32 ug/L	12912	1,4-Difluorobenzene	8.841

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetaldehyde	44	C2H4O	000075-07-0	74
2			Acetaldehyde	44	C2H4O	000075-07-0	74
3			Propane	44	C3H8	000074-98-6	5
4			Ethylene oxide	44	C2H4O	000075-21-8	5
5			Ethylene oxide	44	C2H4O	000075-21-8	5



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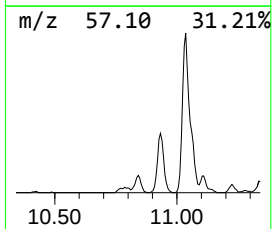
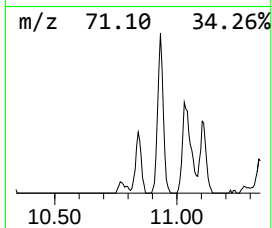
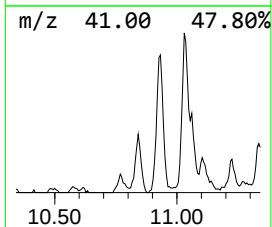
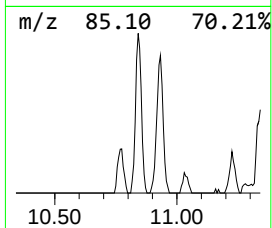
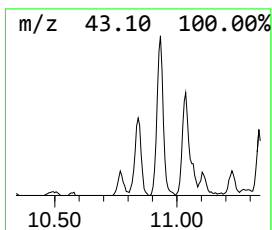
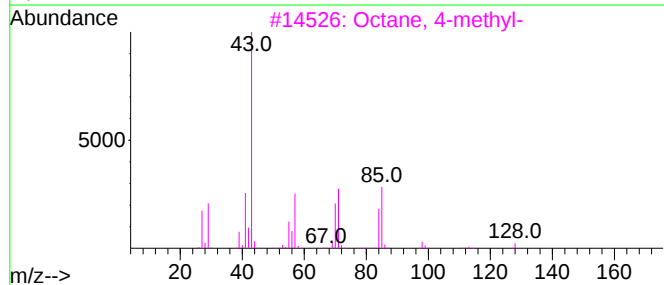
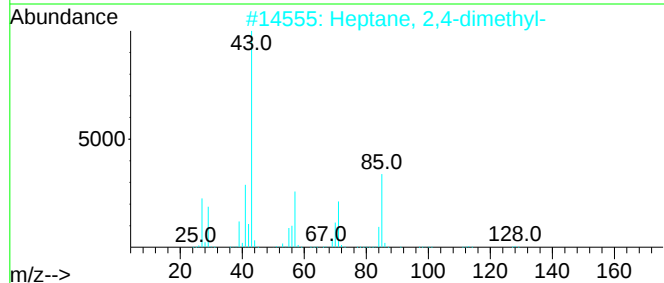
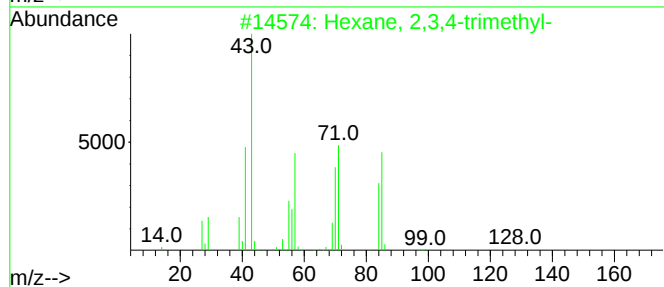
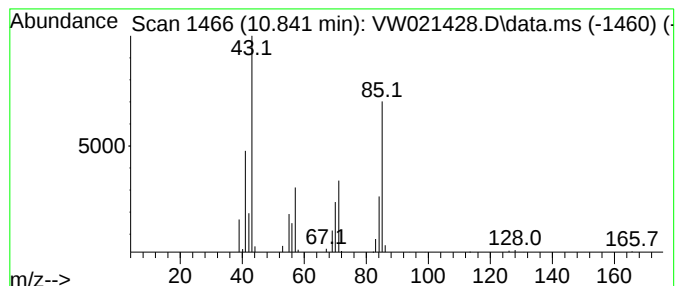
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.841	2.18 ug/L	30677	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	87
2			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
3			Octane, 4-methyl-	128	C9H20	002216-34-4	64
4			Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	59
5			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59



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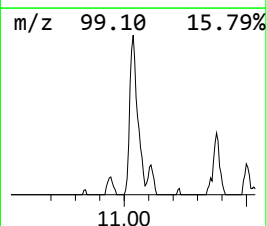
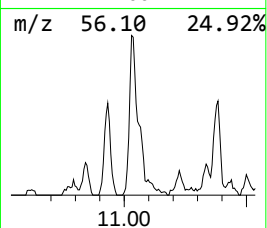
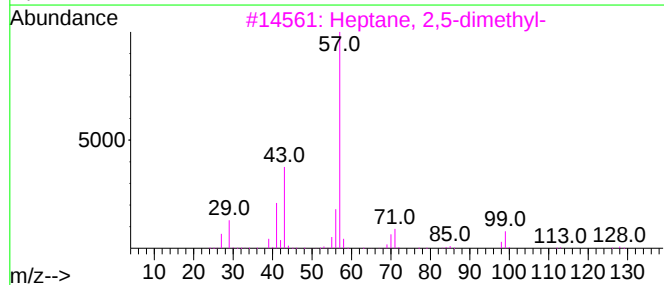
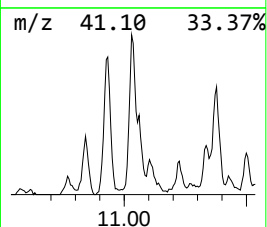
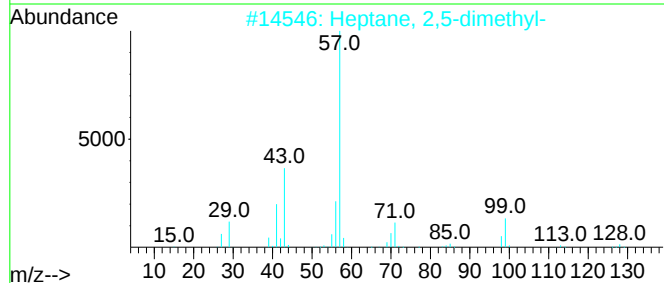
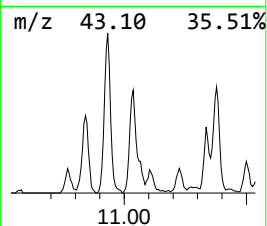
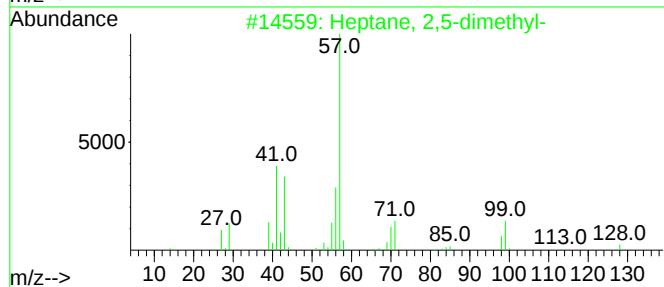
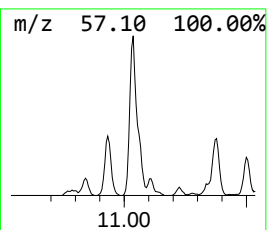
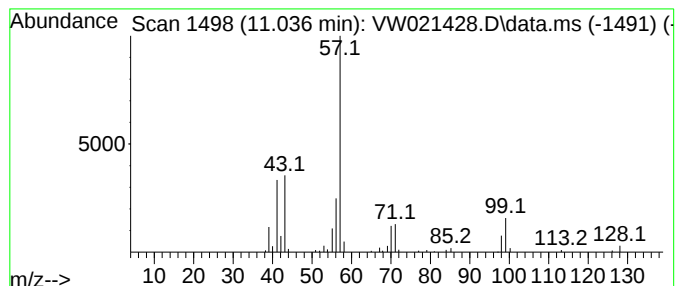
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.036	6.42 ug/L	90442	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			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	86
4			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	81
5			Octane, 3-methyl-	128	C9H20	002216-33-3	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021428.D
Acq On : 17 Dec 2021 14:04
Operator : SY/VA
Sample : M5121-02
Misc : 6.69g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL51

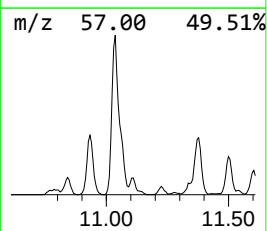
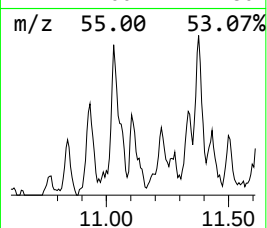
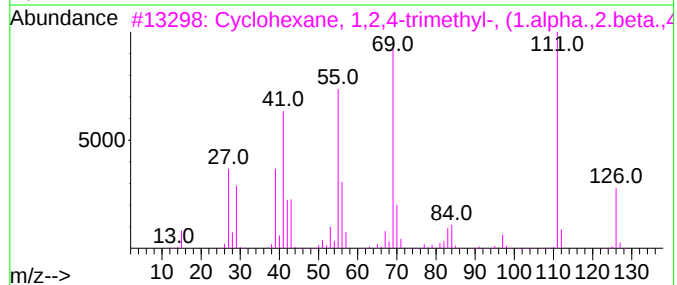
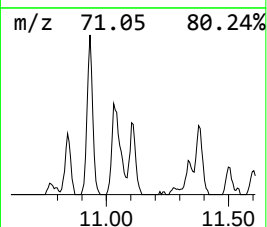
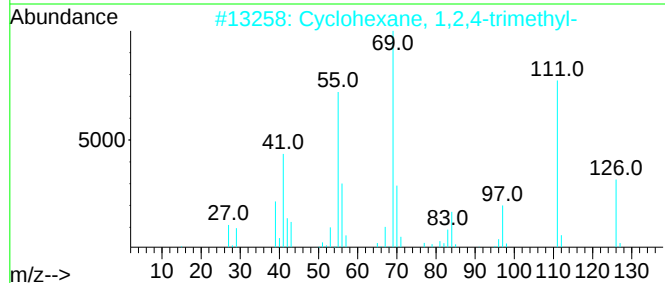
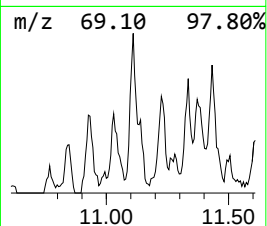
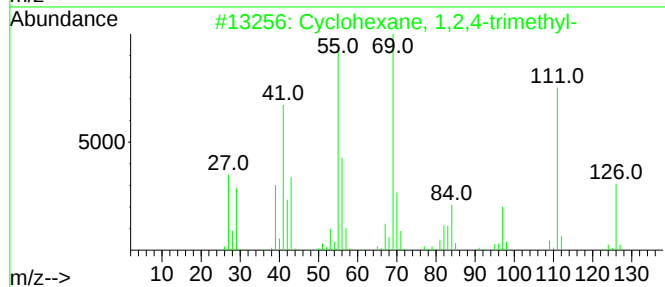
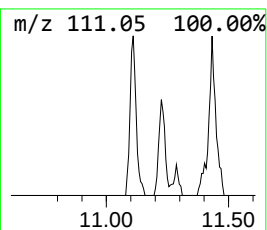
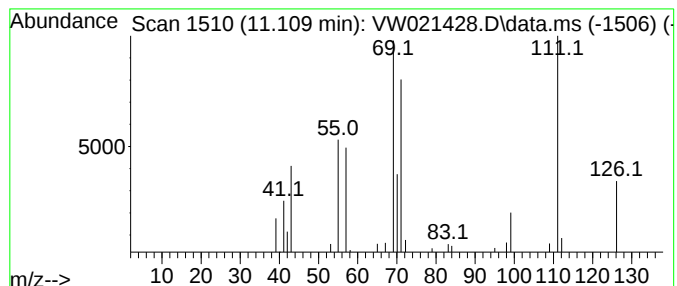
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Cyclic11.109 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.109	1.72 ug/L	24232	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	50
2			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	50
3			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	50
4			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	49
5			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021428.D
Acq On : 17 Dec 2021 14:04
Operator : SY/VA
Sample : M5121-02
Misc : 6.69g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

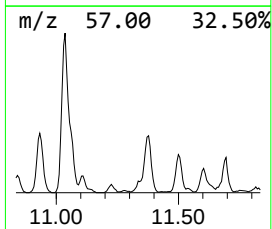
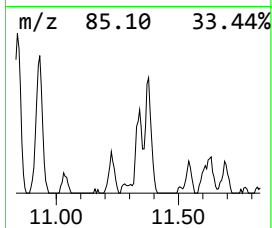
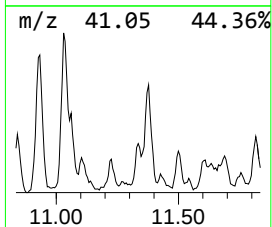
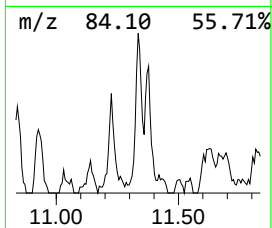
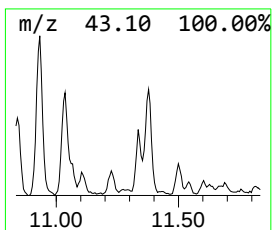
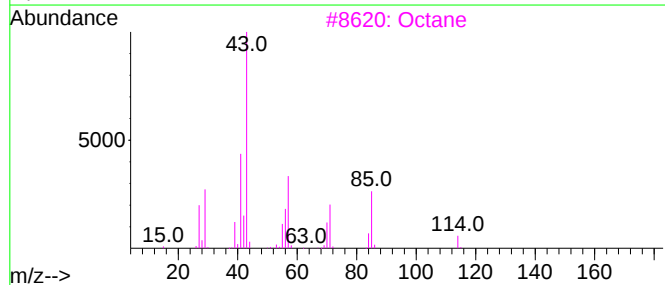
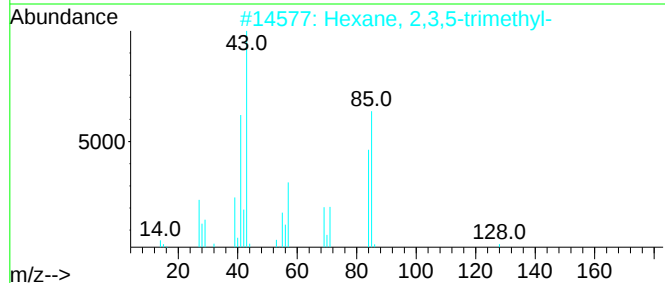
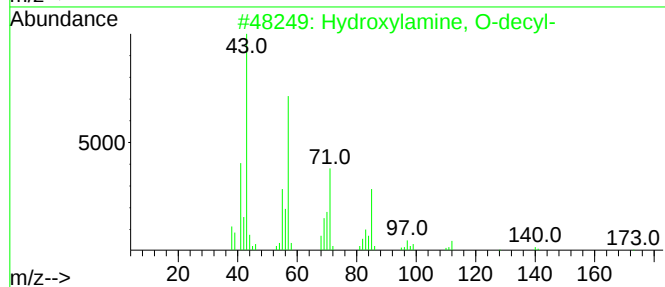
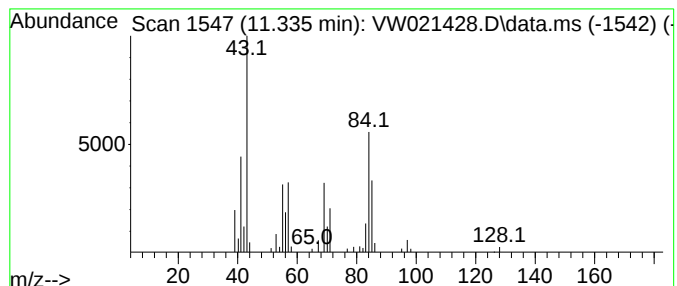
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MSVOA_W
ClientSampleId :
BGL51

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Quant Title : SFAM01.0

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

Peak Number 7 Hydroxylamine, O-decyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.335	1.52 ug/L	21414	Chlorobenzene-d5	11.628	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	53
2	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	50
3	Octane	114	C8H18	000111-65-9	50
4	Nonane	128	C9H20	000111-84-2	50
5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021428.D
Acq On : 17 Dec 2021 14:04
Operator : SY/VA
Sample : M5121-02
Misc : 6.69g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL51

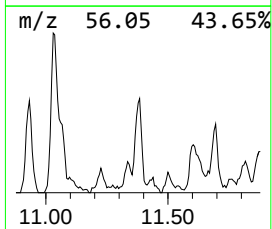
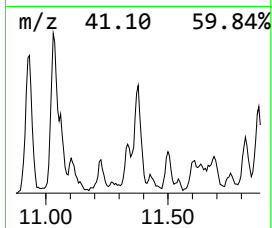
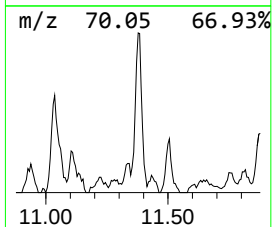
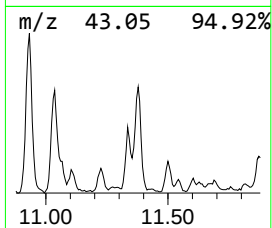
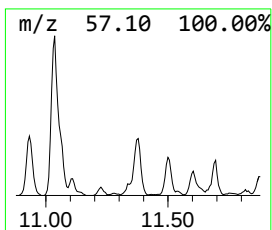
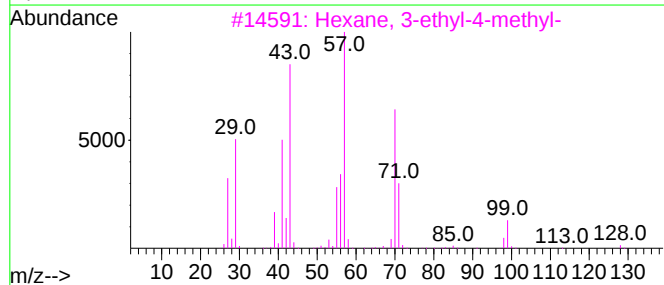
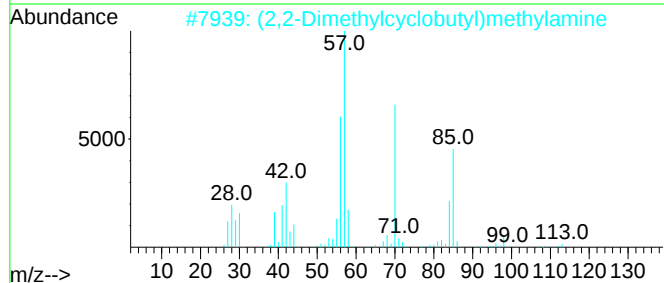
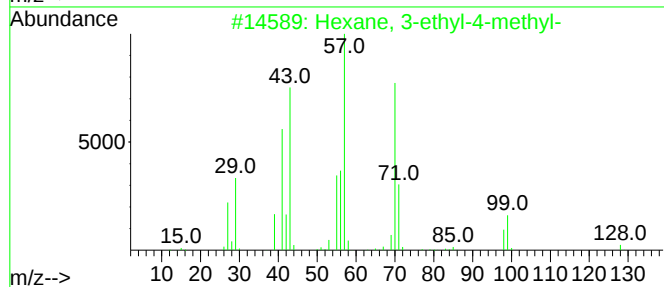
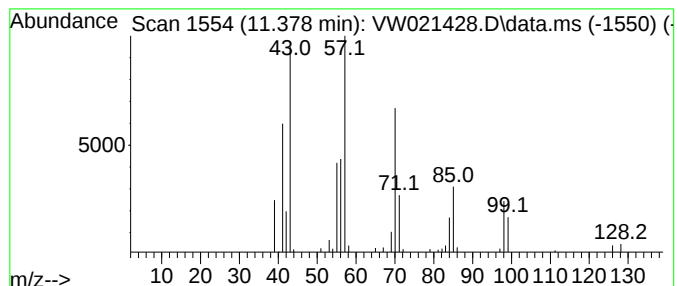
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.378	3.34 ug/L	47032	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	64
2			(2,2-Dimethylcyclobutyl)methylamine	113	C7H15N	1000195-04-0	59
3			Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	53
4			Acetic acid, heptyl ester	158	C9H18O2	000112-06-1	50
5			Cyclobutanone, 3-ethyl-	98	C6H10O	056335-73-0	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021428.D
Acq On : 17 Dec 2021 14:04
Operator : SY/VA
Sample : M5121-02
Misc : 6.69g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL51

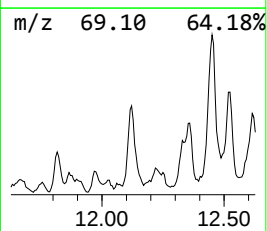
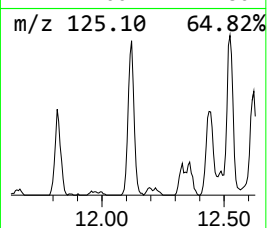
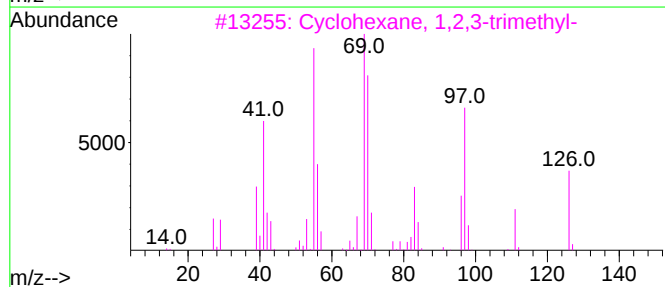
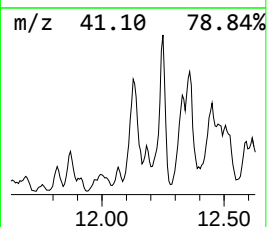
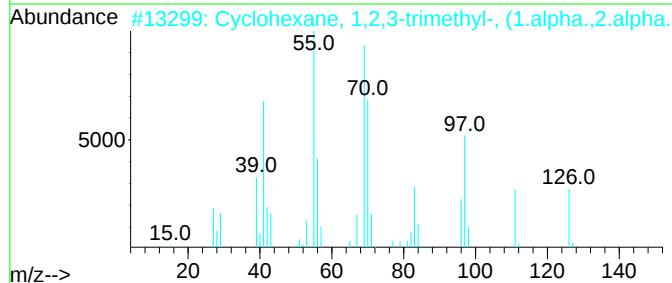
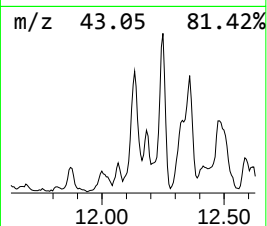
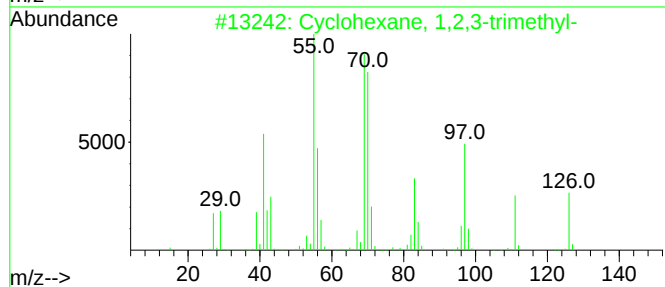
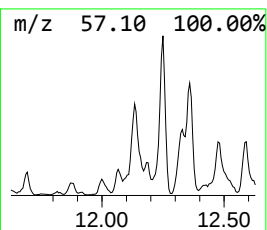
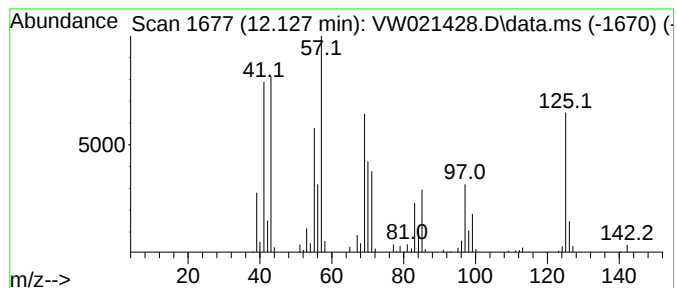
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Cyclic12.128 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.128	11.89 ug/L	167577	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	92
2			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	007667-55-2	64
3			Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	55
4			Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	49
5			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001839-88-9	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021428.D
Acq On : 17 Dec 2021 14:04
Operator : SY/VA
Sample : M5121-02
Misc : 6.69g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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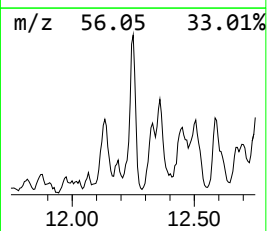
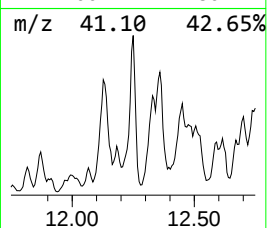
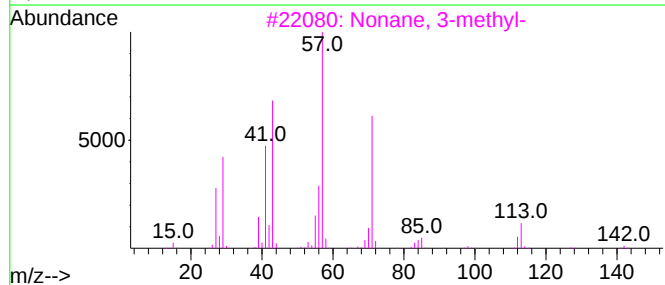
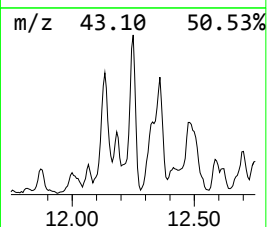
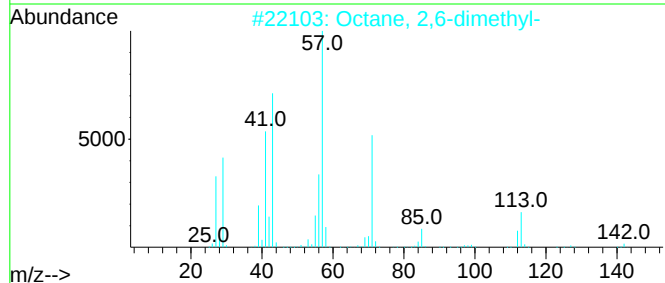
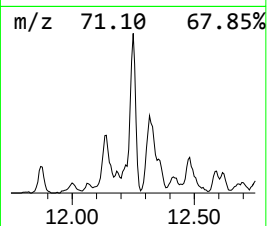
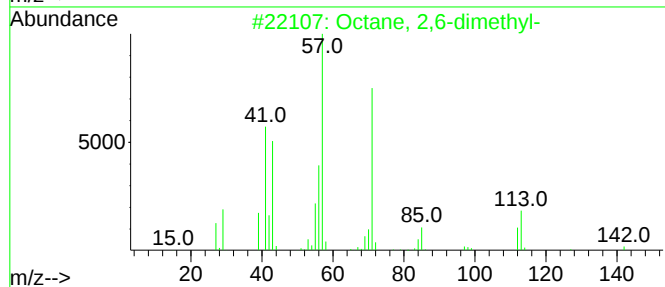
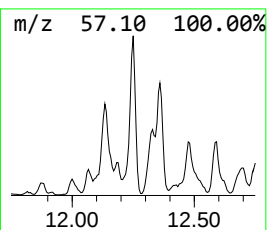
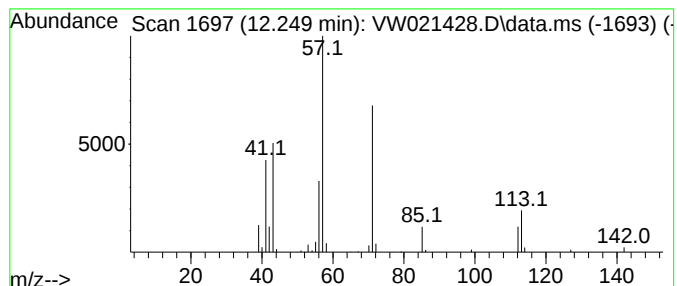
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.249	8.87 ug/L	125031	Chlorobenzene-d5	11.628

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			Nonane, 3-methyl-	142	C10H22	005911-04-6	91
4			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
5			Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021428.D
Acq On : 17 Dec 2021 14:04
Operator : SY/VA
Sample : M5121-02
Misc : 6.69g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

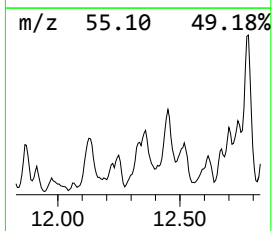
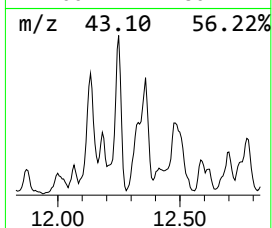
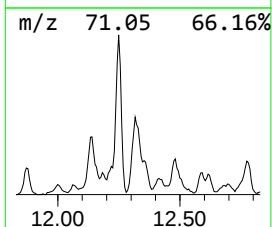
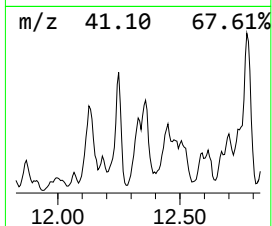
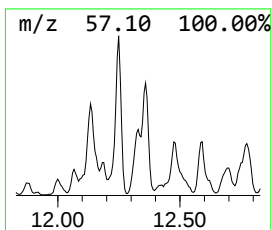
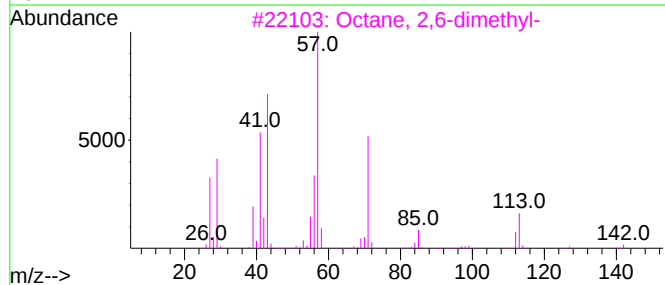
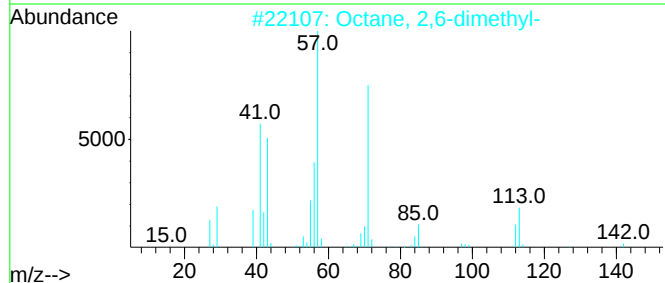
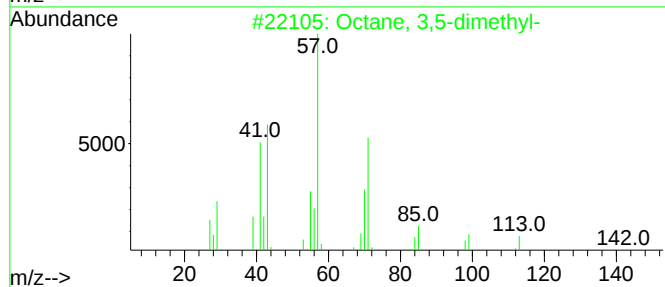
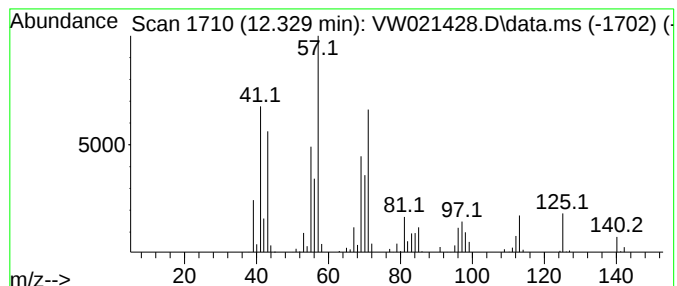
Instrument :
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ClientSampleId :
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.329	8.14 ug/L	114711	Chlorobenzene-d5		11.628	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 3,5-dimethyl-		142	C10H22	015869-93-9	68
2	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	60
3	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	55
4	Decane, 2,6,7-trimethyl-		184	C13H28	062108-25-2	53
5	Sulfurous acid, 2-ethylhexyl hex...		418	C24H50O3S	1000309-19-9	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021428.D
Acq On : 17 Dec 2021 14:04
Operator : SY/VA
Sample : M5121-02
Misc : 6.69g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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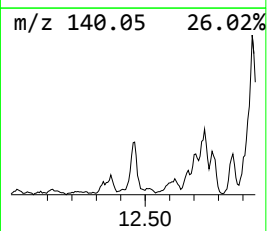
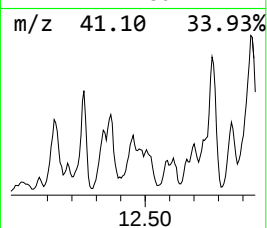
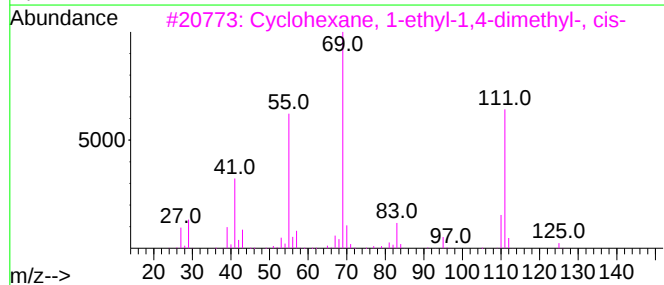
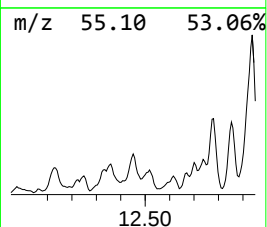
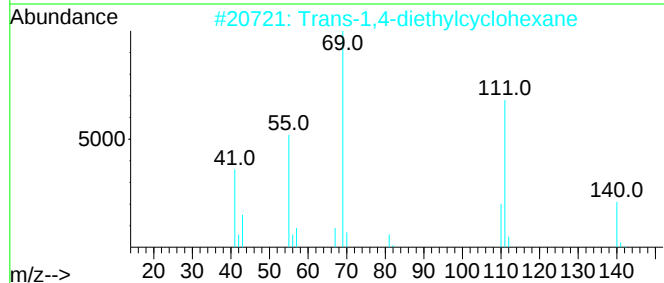
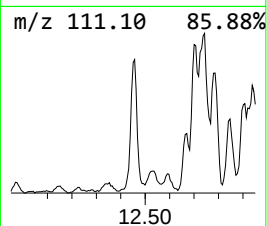
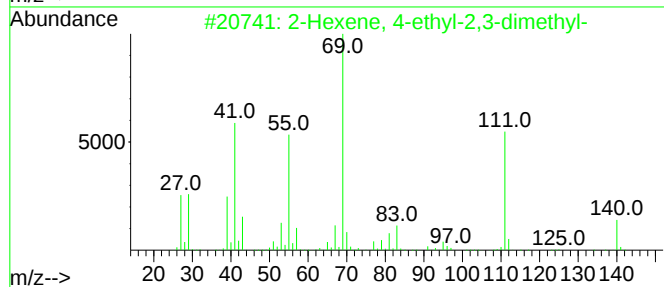
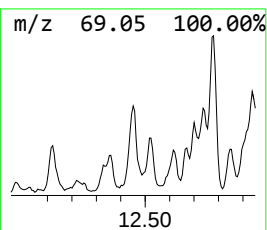
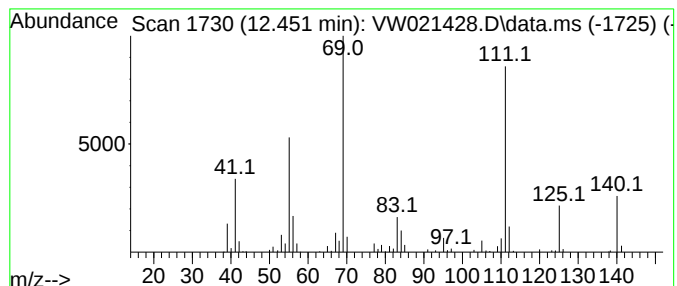
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	7.92 ug/L	111594	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 4-ethyl-2,3-dimethyl-			140	C10H20	1000149-19-7	74
2	Trans-1,4-diethylcyclohexane			140	C10H20	013990-93-7	64
3	Cyclohexane, 1-ethyl-1,4-dimethyl...			140	C10H20	062238-30-6	59
4	Cyclohexane, 1,3,5-trimethyl-, (...)			126	C9H18	001795-27-3	59
5	Cyclohexane, 1,1,3-trimethyl-			126	C9H18	003073-66-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021428.D
Acq On : 17 Dec 2021 14:04
Operator : SY/VA
Sample : M5121-02
Misc : 6.69g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL51

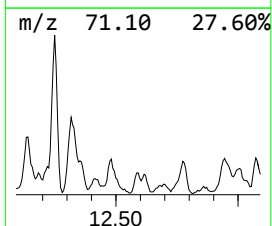
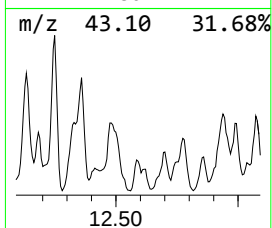
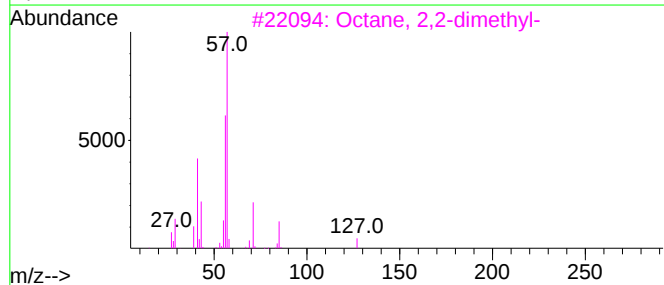
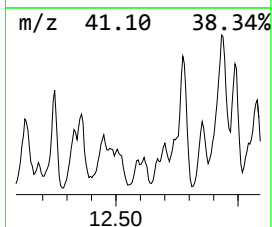
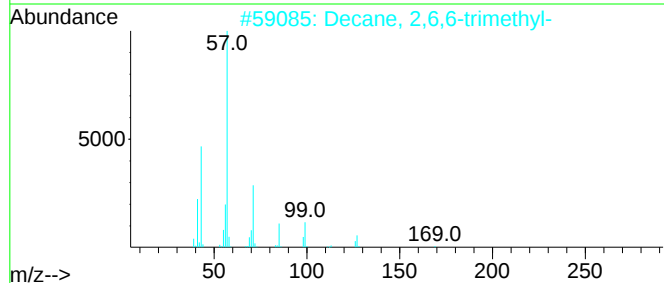
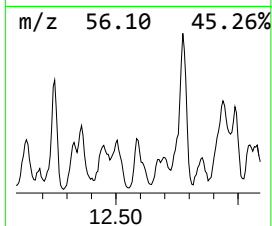
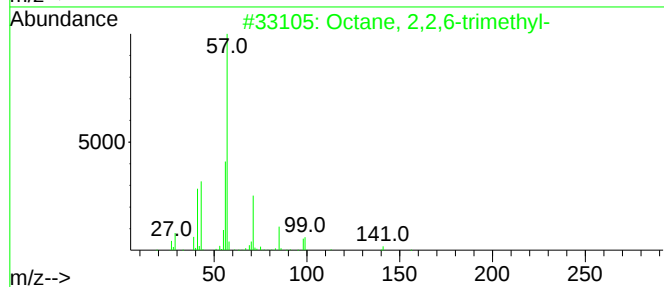
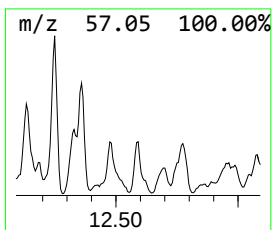
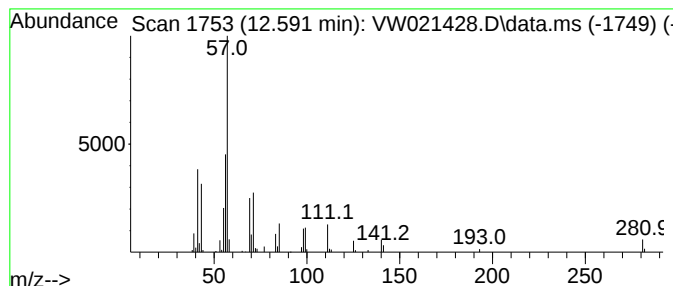
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.591	1.89 ug/L	26666	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	64
2			Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	50
3			Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	47
4			Tridecane, 2,5-dimethyl-	212	C15H32	056292-66-1	47
5			Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021428.D
Acq On : 17 Dec 2021 14:04
Operator : SY/VA
Sample : M5121-02
Misc : 6.69g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL51

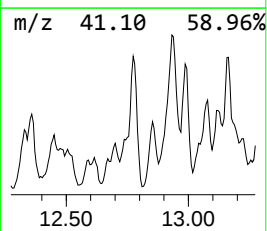
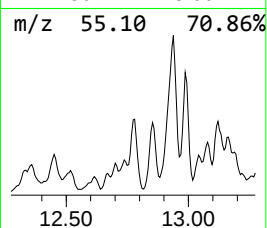
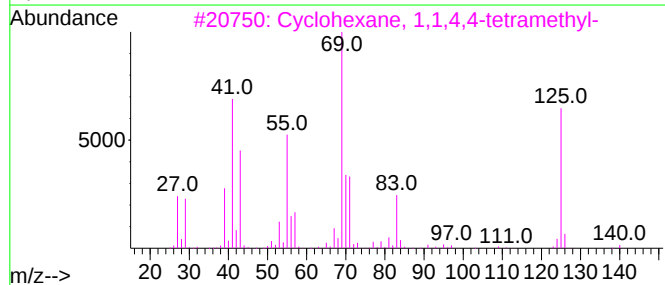
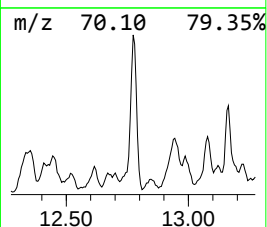
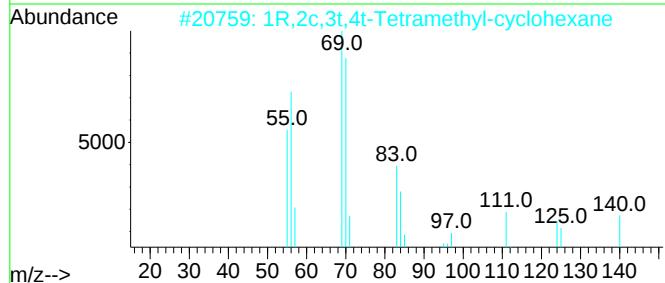
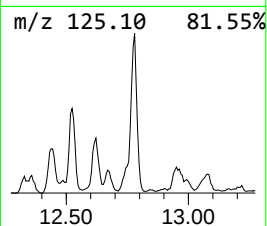
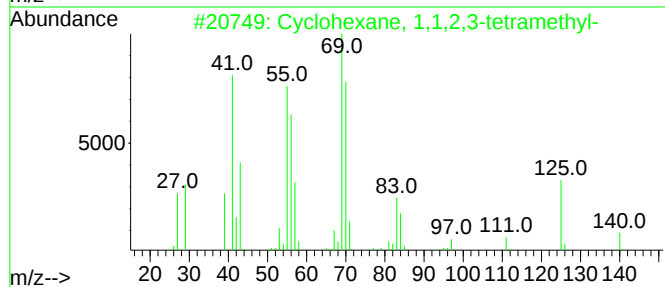
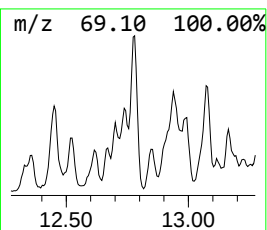
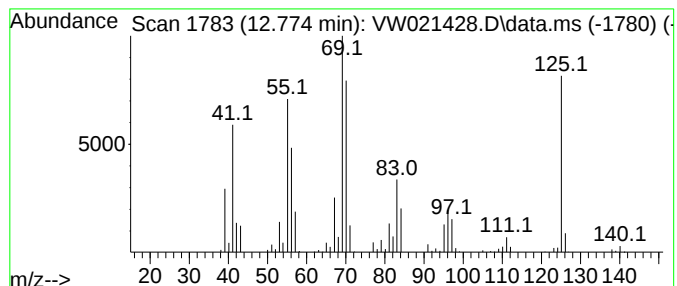
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Cyclic12.774 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.774	21.72 ug/L	273214	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	53
2			1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	1000144-07-3	50
3			Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	49
4			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	49
5			trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021428.D
Acq On : 17 Dec 2021 14:04
Operator : SY/VA
Sample : M5121-02
Misc : 6.69g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL51

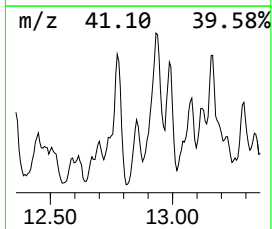
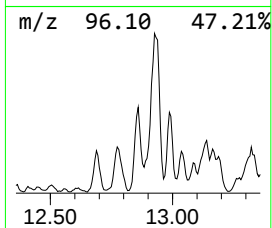
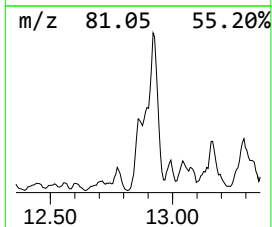
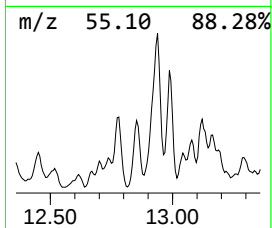
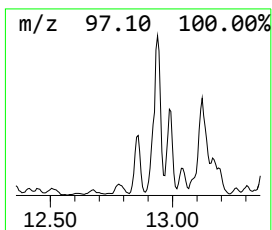
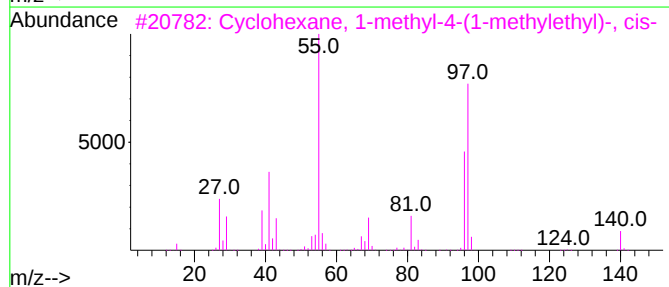
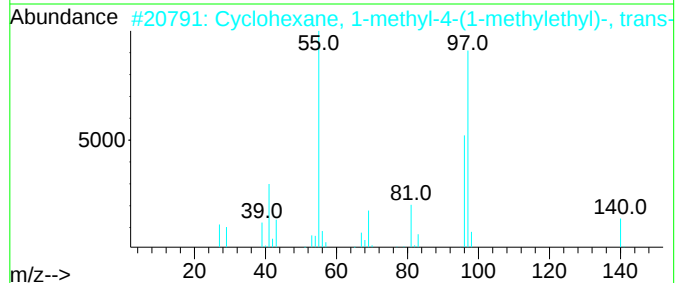
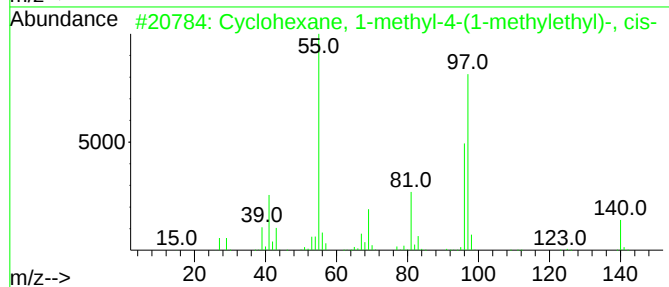
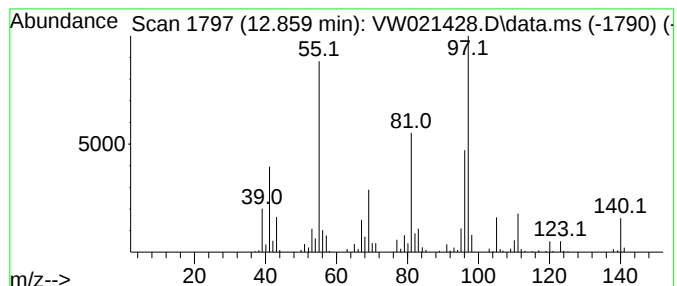
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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Cyclic12.859 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	14.42 ug/L	181382	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	76
2			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	76
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	68
4			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	64
5			m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021428.D
Acq On : 17 Dec 2021 14:04
Operator : SY/VA
Sample : M5121-02
Misc : 6.69g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL51

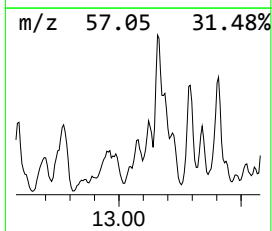
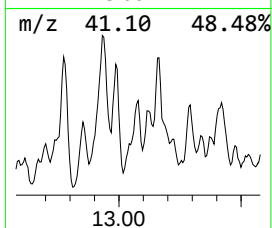
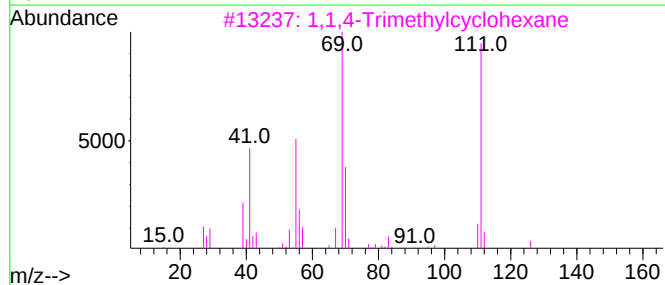
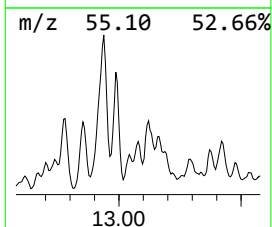
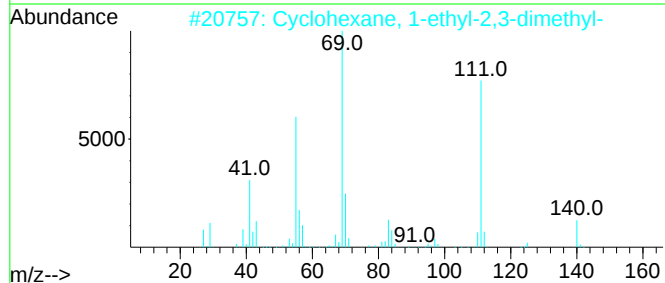
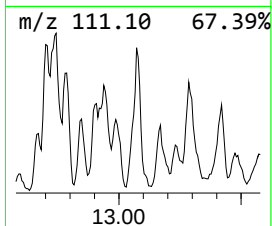
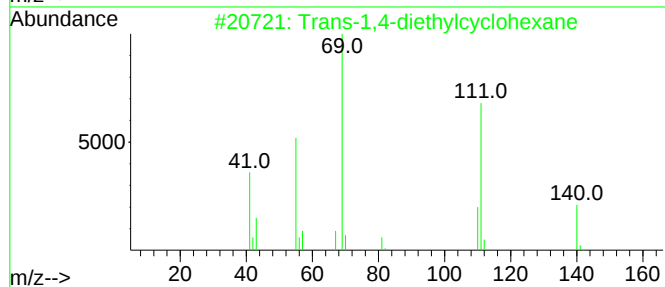
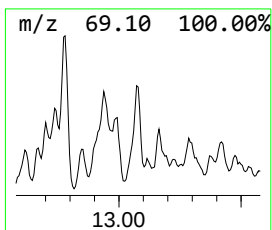
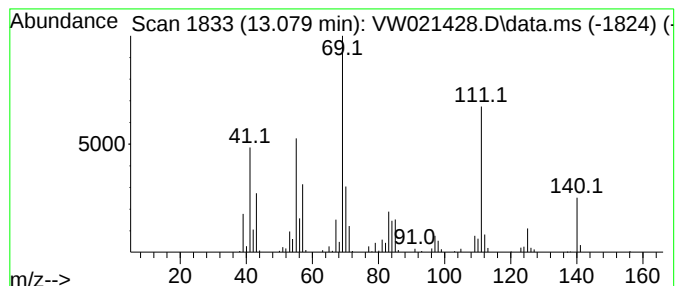
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Cyclic13.079 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.079	14.41 ug/L	181299	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	76
2			Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	72
3			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	58
4			Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	53
5			6-Ethyl-2,3-dihydropyran-2,4-dione	140	C7H8O3	004435-30-7	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021428.D
Acq On : 17 Dec 2021 14:04
Operator : SY/VA
Sample : M5121-02
Misc : 6.69g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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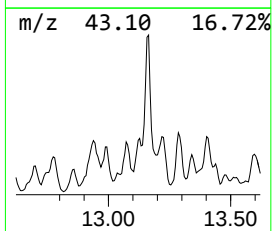
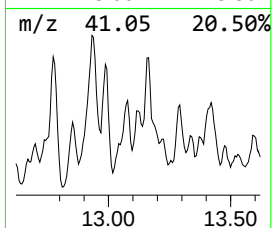
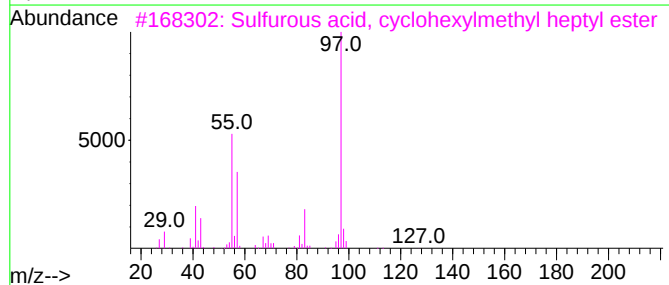
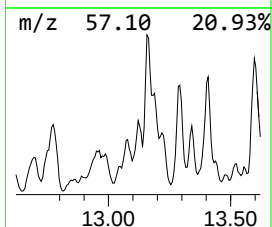
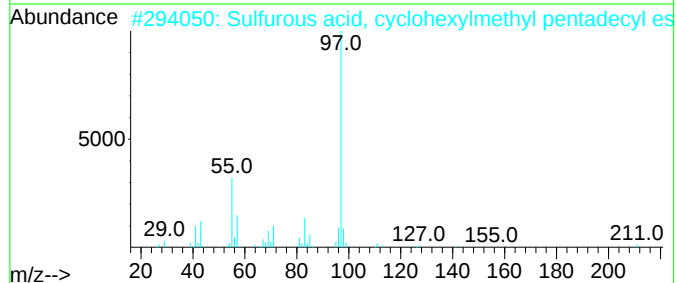
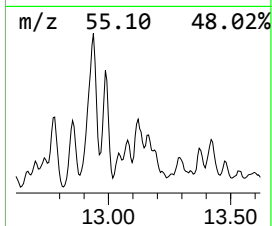
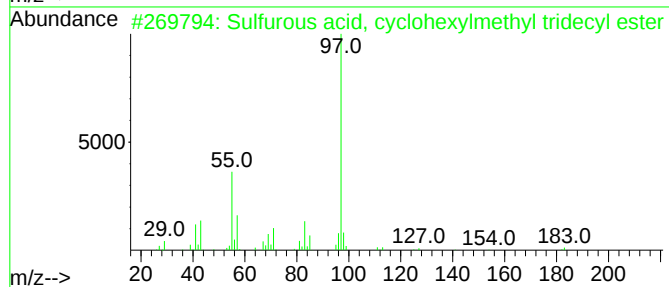
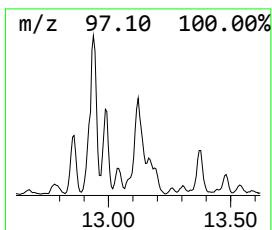
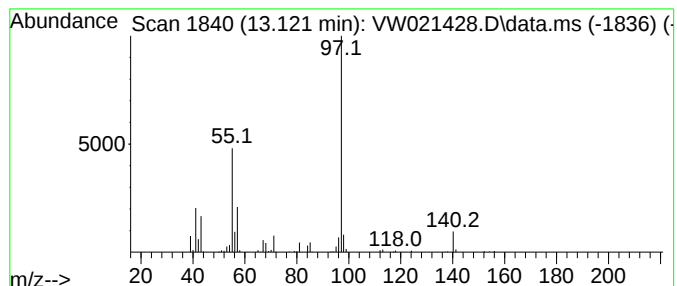
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Quant Title : SFAM01.0

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

Peak Number 17 Sulfurous acid, cyclohexylm... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.121	8.32 ug/L	104700	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	72
2			Sulfurous acid, cyclohexylmethyl...	388	C22H44O3S	1000309-22-3	64
3			Sulfurous acid, cyclohexylmethyl...	276	C14H28O3S	1000309-21-7	64
4			Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	64
5			Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021428.D
Acq On : 17 Dec 2021 14:04
Operator : SY/VA
Sample : M5121-02
Misc : 6.69g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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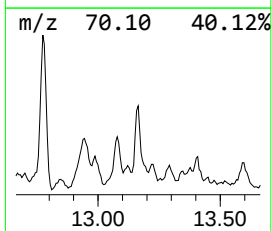
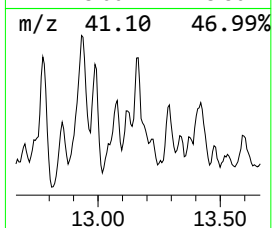
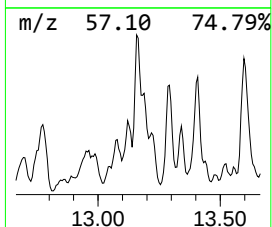
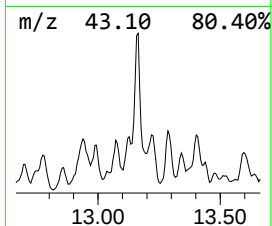
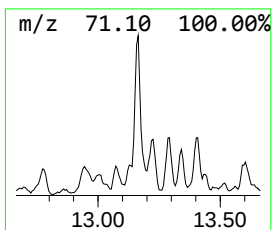
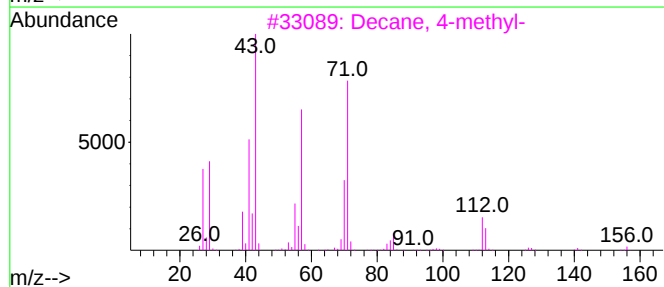
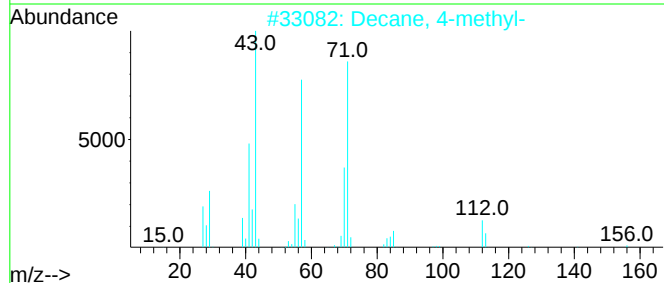
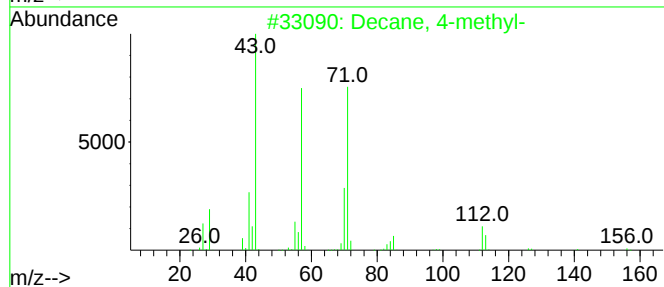
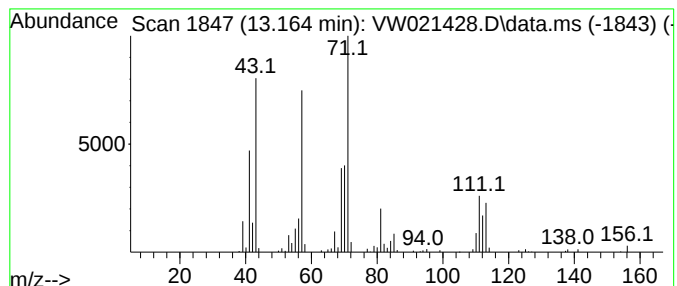
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	15.16 ug/L	190694	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 4-methyl-	156	C11H24	002847-72-5	74
2		Decane, 4-methyl-	156	C11H24	002847-72-5	74
3		Decane, 4-methyl-	156	C11H24	002847-72-5	74
4		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
5		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021428.D
Acq On : 17 Dec 2021 14:04
Operator : SY/VA
Sample : M5121-02
Misc : 6.69g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL51

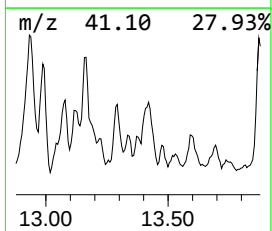
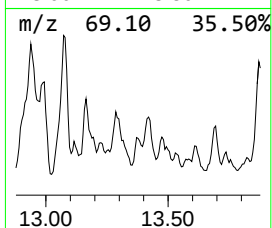
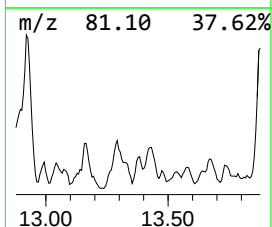
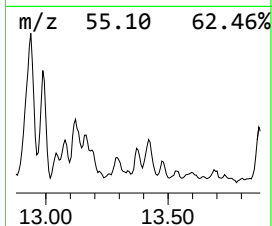
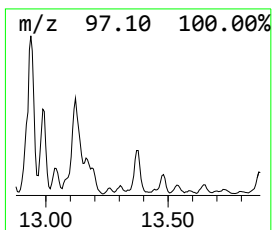
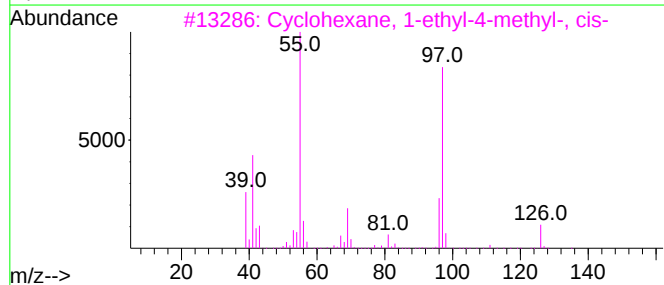
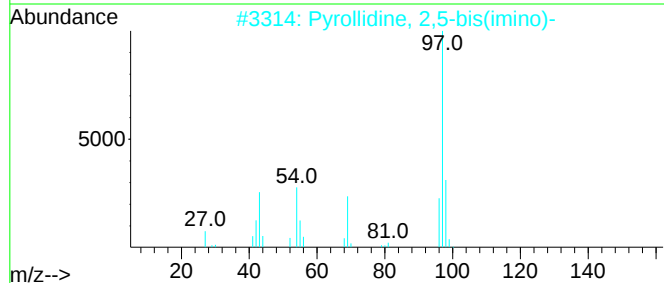
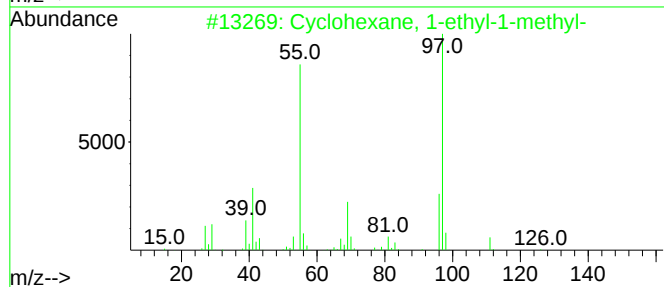
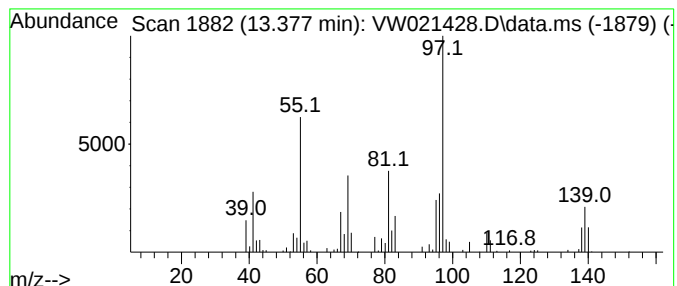
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Cyclic13.377 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.377	3.69 ug/L	46398	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	47
2			Pyrollidine, 2,5-bis(imino)-	97	C4H7N3	000503-84-4	43
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	43
4			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	43
5			3,5-Hexadien-2-ol, 2-methyl-	112	C7H12O	000926-38-5	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021428.D
Acq On : 17 Dec 2021 14:04
Operator : SY/VA
Sample : M5121-02
Misc : 6.69g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL51

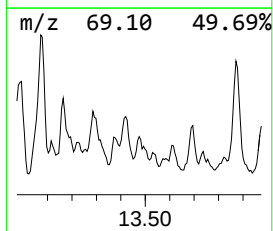
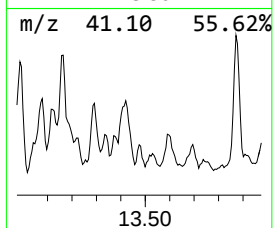
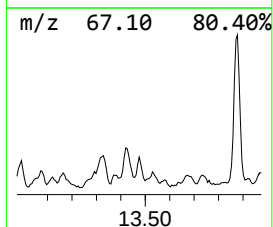
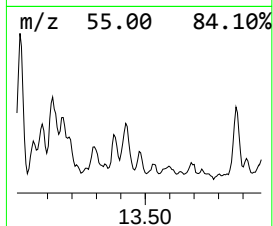
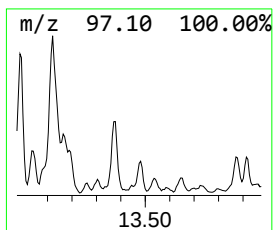
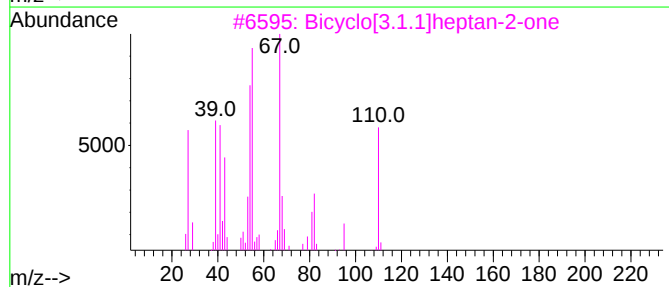
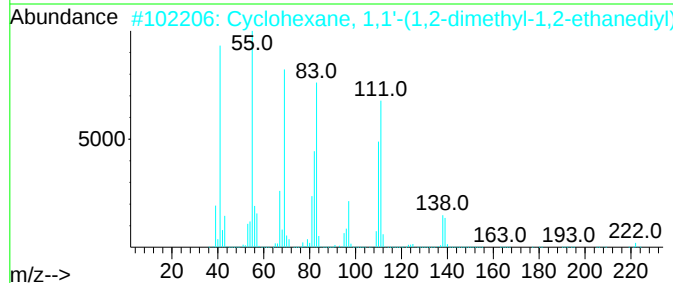
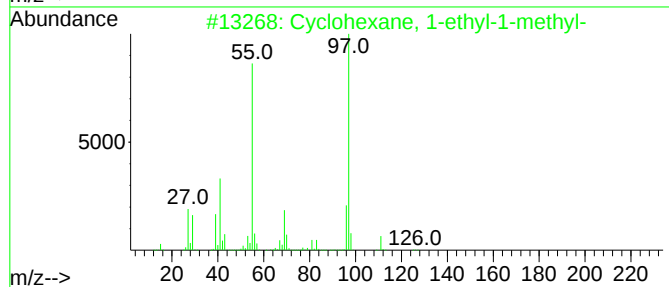
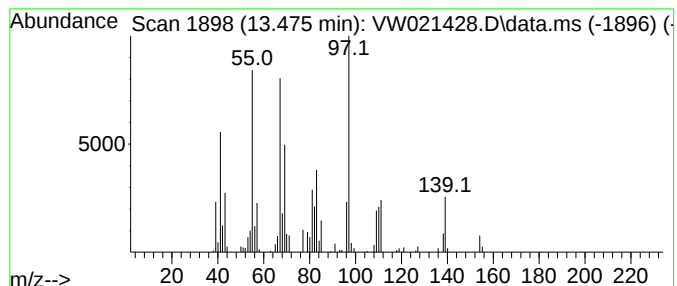
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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Cyclic13.475 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.475	2.70 ug/L	33997	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	22
2			Cyclohexane, 1,1'-(1,2-dimethyl-...	222	C16H30	054889-87-1	22
3			Bicyclo[3.1.1]heptan-2-one	110	C7H10O	017159-87-4	22
4			Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	18
5			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021428.D
Acq On : 17 Dec 2021 14:04
Operator : SY/VA
Sample : M5121-02
Misc : 6.69g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL51

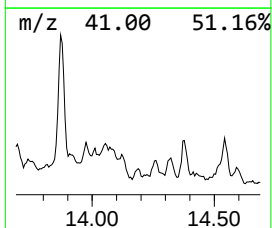
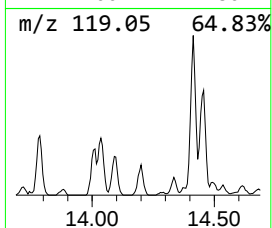
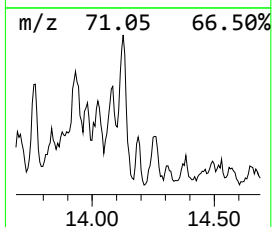
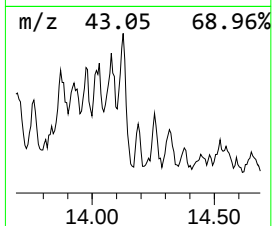
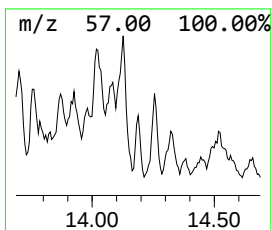
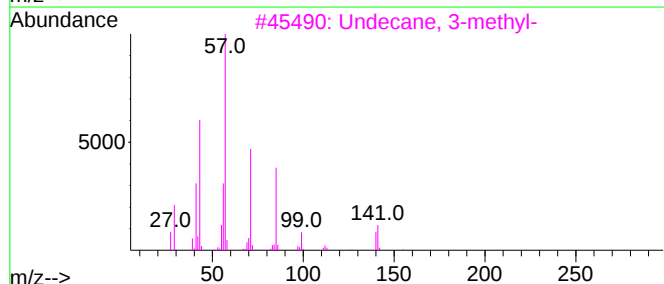
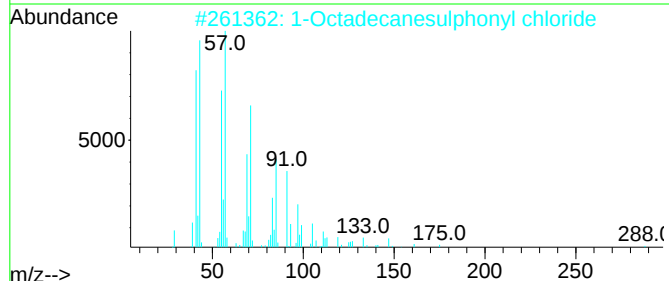
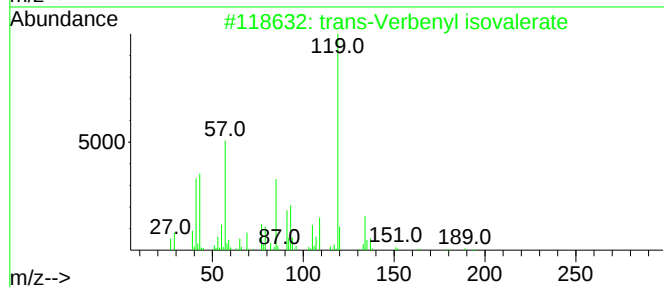
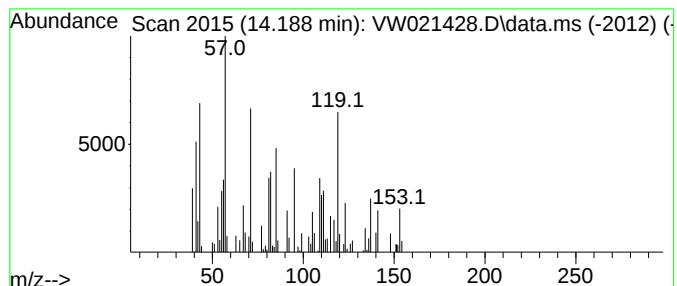
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Quant Title : SFAM01.0

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

Peak Number 21 unknown-01 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.188	1.92 ug/L	24112	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-Verbenyl isovalerate	236	C15H24O2	057412-35-8	12
2			1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	10
3			Undecane, 3-methyl-	170	C12H26	001002-43-3	10
4			o-Toluic acid, oct-3-en-2-yl ester	246	C16H22O2	1000292-51-3	10
5			p-Toluic acid, 2-tetrahydrofuryl...	220	C13H16O3	004647-35-2	10



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021428.D
Acq On : 17 Dec 2021 14:04
Operator : SY/VA
Sample : M5121-02
Misc : 6.69g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL51

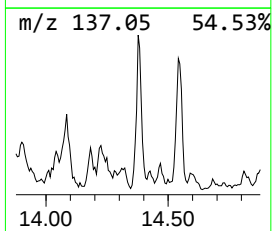
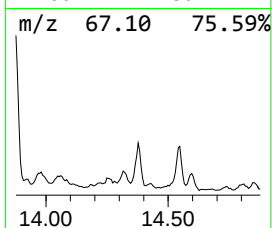
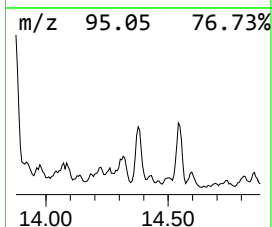
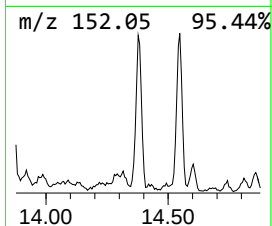
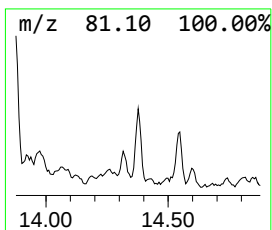
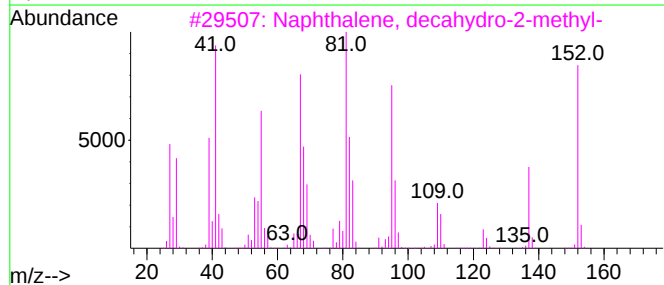
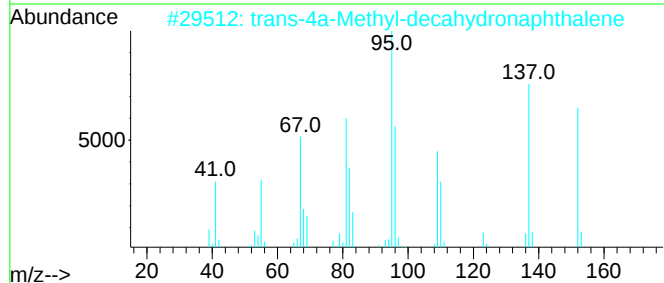
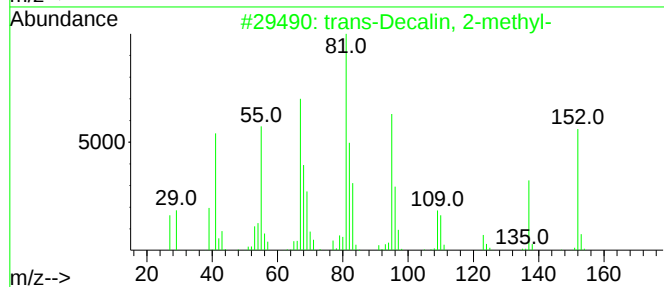
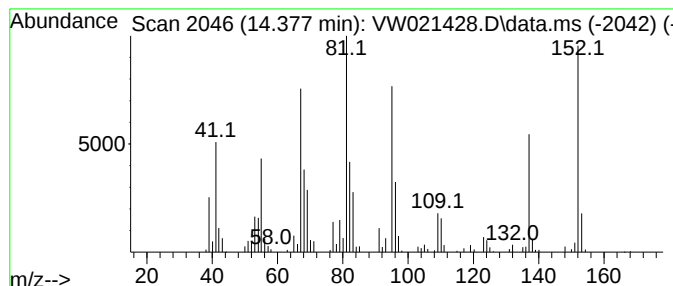
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Quant Title : SFAM01.0

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

Peak Number 22 trans-Decalin, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.377	7.42 ug/L	93319	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	93
2			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	89
3			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	87
4			Pulegone	152	C10H16O	000089-82-7	76
5			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021428.D
Acq On : 17 Dec 2021 14:04
Operator : SY/VA
Sample : M5121-02
Misc : 6.69g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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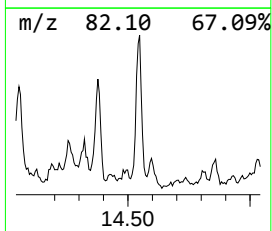
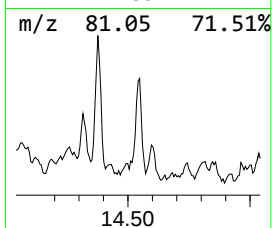
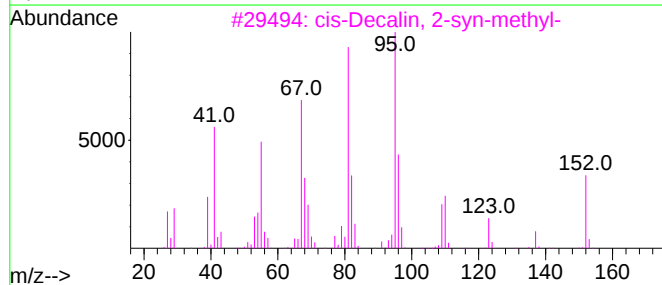
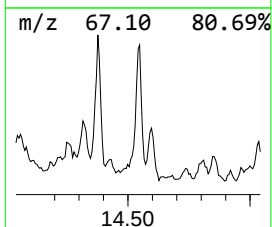
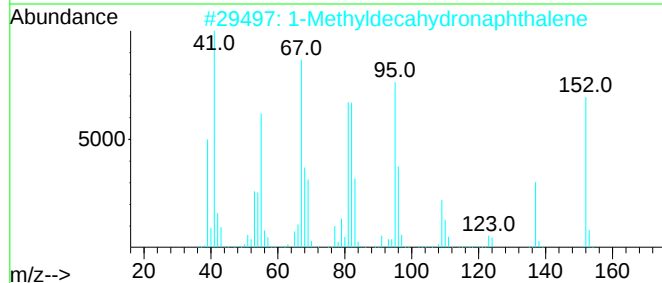
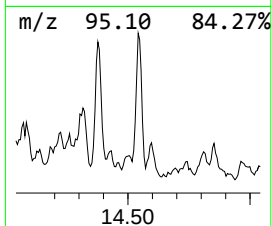
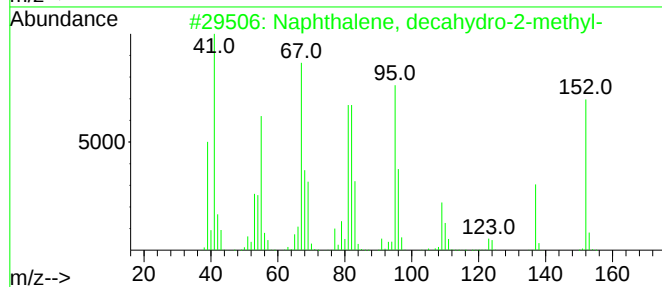
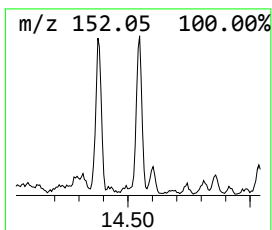
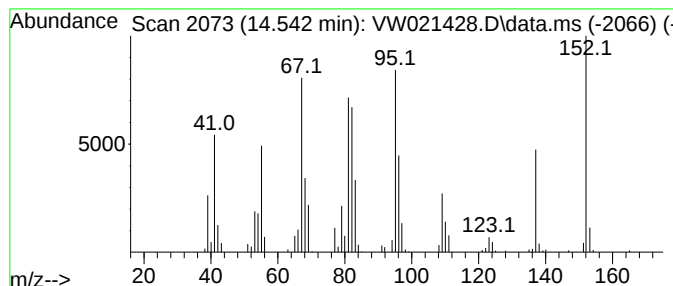
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Quant Title : SFAM01.0

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

Peak Number 23 Naphthalene, decahydro-2-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.542	10.08 ug/L	126851	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	96
3			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	91
4			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	76
5			Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021428.D
Acq On : 17 Dec 2021 14:04
Operator : SY/VA
Sample : M5121-02
Misc : 6.69g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL51

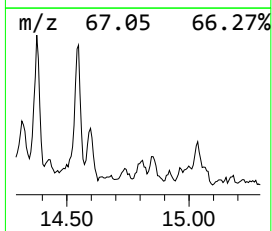
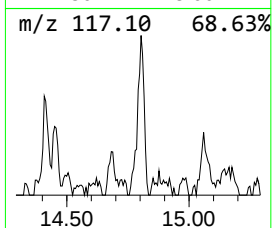
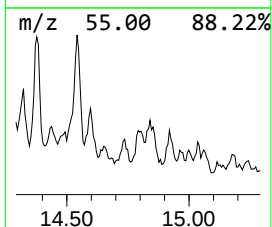
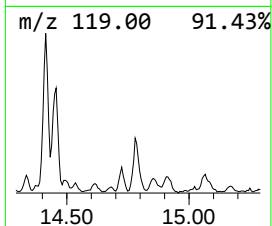
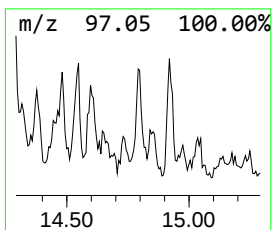
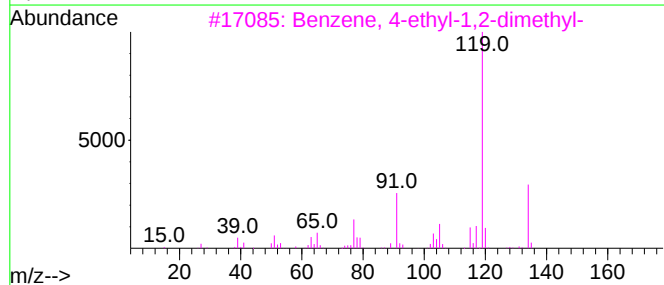
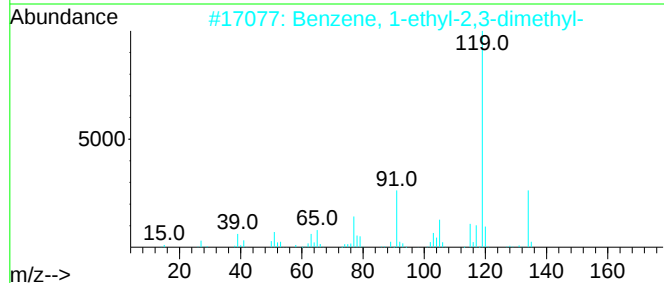
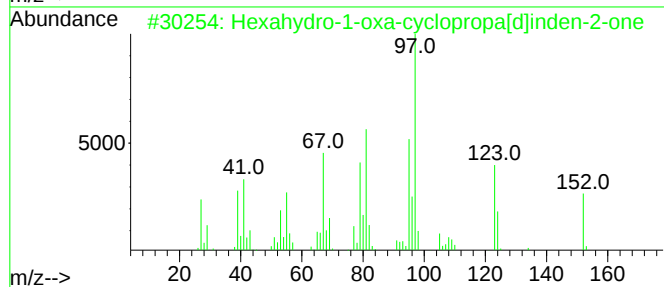
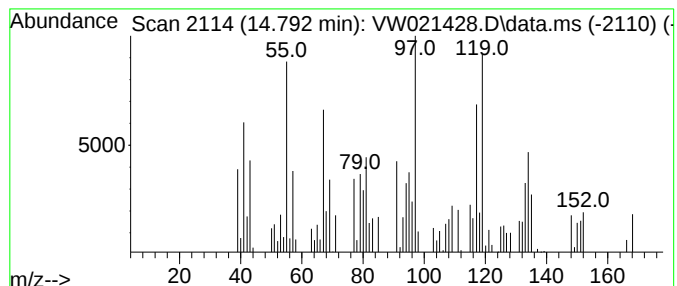
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Quant Title : SFAM01.0

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

Peak Number 24 unknown-02 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.792	1.62 ug/L	20408	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexahydro-1-oxa-cyclopropa[d]ind...	152	C9H12O2	037643-23-5	35
2			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	30
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	30
4			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	25
5			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021428.D
Acq On : 17 Dec 2021 14:04
Operator : SY/VA
Sample : M5121-02
Misc : 6.69g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL51

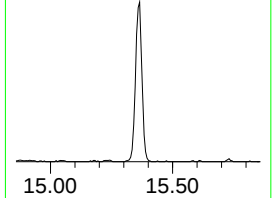
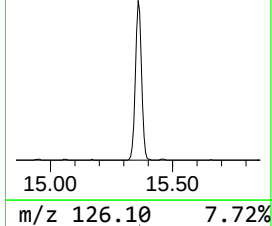
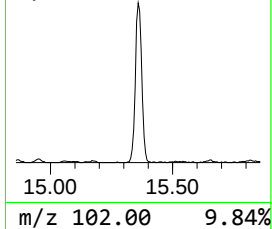
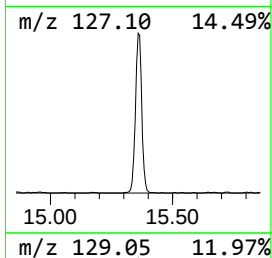
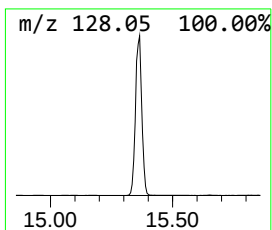
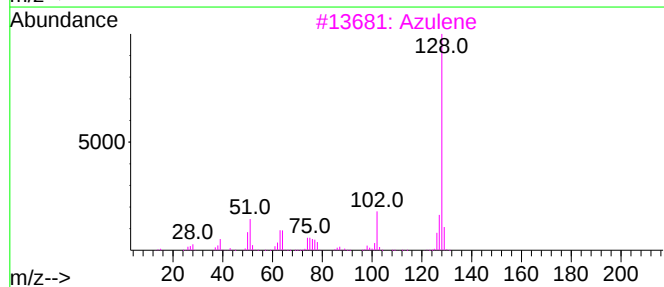
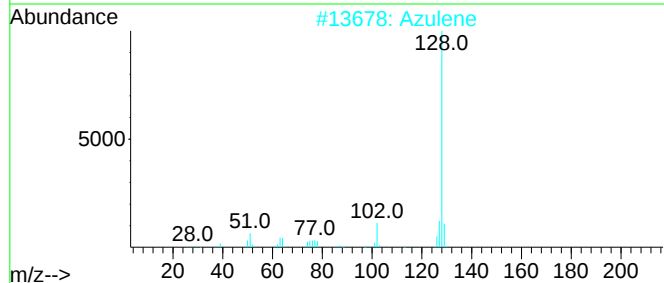
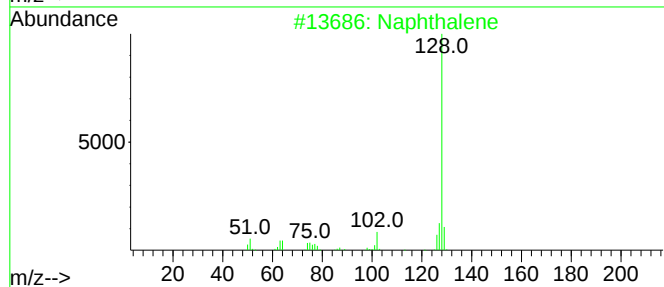
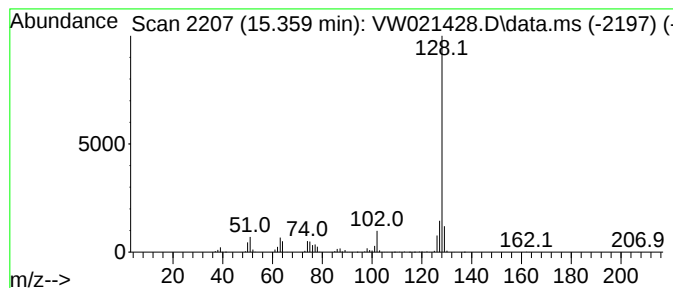
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Quant Title : SFAM01.0

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

Peak Number 25 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.359	45.00 ug/L	566019	1,4-Dichlorobenzene-d4	13.554

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
 Data File : VW021428.D
 Acq On : 17 Dec 2021 14:04
 Operator : SY/VA
 Sample : M5121-02
 Misc : 6.69g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL51

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	2.489	1.3	ug/L	12912	1	8.841	245397	25.0
(DEL) Alkane: S...	10.841	2.2	ug/L	30677	2	11.628	352283	25.0
(DEL) Alkane: S...	11.036	6.4	ug/L	90442	2	11.628	352283	25.0
(DEL) Alkane: C...	11.109	1.7	ug/L	24232	2	11.628	352283	25.0
Hydroxylamine, ...	11.335	1.5	ug/L	21414	2	11.628	352283	25.0
(DEL) Alkane: S...	11.378	3.3	ug/L	47032	2	11.628	352283	25.0
(DEL) Alkane: C...	12.128	11.9	ug/L	167577	2	11.628	352283	25.0
(DEL) Alkane: S...	12.249	8.9	ug/L	125031	2	11.628	352283	25.0
(DEL) Alkane: S...	12.329	8.1	ug/L	114711	2	11.628	352283	25.0
(DEL) Alkane: S...	12.451	7.9	ug/L	111594	2	11.628	352283	25.0
(DEL) Alkane: S...	12.591	1.9	ug/L	26666	2	11.628	352283	25.0
(DEL) Alkane: C...	12.774	21.7	ug/L	273214	3	13.554	314477	25.0
(DEL) Alkane: C...	12.859	14.4	ug/L	181382	3	13.554	314477	25.0
(DEL) Alkane: C...	13.079	14.4	ug/L	181299	3	13.554	314477	25.0
Sulfurous acid,...	13.121	8.3	ug/L	104700	3	13.554	314477	25.0
(DEL) Alkane: S...	13.164	15.2	ug/L	190694	3	13.554	314477	25.0
(DEL) Alkane: C...	13.377	3.7	ug/L	46398	3	13.554	314477	25.0
(DEL) Alkane: C...	13.475	2.7	ug/L	33997	3	13.554	314477	25.0
unknown-01	14.188	1.9	ug/L	24112	3	13.554	314477	25.0
trans-Decalin, ...	14.377	7.4	ug/L	93319	3	13.554	314477	25.0
Naphthalene, de...	14.542	10.1	ug/L	126851	3	13.554	314477	25.0
unknown-02	14.792	1.6	ug/L	20408	3	13.554	314477	25.0
Azulene	15.359	45.0	ug/L	566019	3	13.554	314477	25.0