

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
 Data File : VW021471.D
 Acq On : 18 Dec 2021 13:05
 Operator : SY/VA
 Sample : M5154-15
 Misc : 6.60g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL95

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: VW021471.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.989	10	14	26	rVB	10728	18870	0.93%	0.110%
2	2.197	46	48	50	rBV	439	309	0.02%	0.002%
3	2.343	66	72	81	rVB	46054	78645	3.87%	0.459%
4	2.501	92	98	106	rBV	6216	13041	0.64%	0.076%
5	2.794	144	146	147	rBV2	563	470	0.02%	0.003%
6	2.879	153	160	170	rVB	24313	49529	2.44%	0.289%
7	3.044	186	187	189	rBV2	378	341	0.02%	0.002%
8	3.099	194	196	199	rVB4	370	322	0.02%	0.002%
9	3.385	238	243	248	rVV3	380	759	0.04%	0.004%
10	3.721	292	298	308	rBV5	1246	3278	0.16%	0.019%
11	3.910	323	329	333	rBB	241	487	0.02%	0.003%
12	4.013	335	346	361	rBV	67414	194125	9.56%	1.132%
13	4.147	361	368	382	rVB2	3757	12102	0.60%	0.071%
14	4.379	397	406	415	rVV	3746	10241	0.50%	0.060%
15	4.916	483	494	505	rVV2	3084	10077	0.50%	0.059%
16	5.672	615	618	622	rBB2	169	298	0.01%	0.002%
17	5.787	629	637	650	rBV3	2524	7942	0.39%	0.046%
18	5.928	654	660	661	rBV	736	865	0.04%	0.005%
19	5.982	668	669	673	rBV2	138	196	0.01%	0.001%
20	6.049	675	680	682	rBV2	169	268	0.01%	0.002%
21	6.117	687	691	692	rVV	200	248	0.01%	0.001%
22	6.129	692	693	695	rVV	249	216	0.01%	0.001%
23	6.306	718	722	724	rVV2	170	236	0.01%	0.001%
24	6.537	759	760	765	rVV2	162	214	0.01%	0.001%
25	6.812	801	805	808	rBV	142	210	0.01%	0.001%
26	6.909	812	821	832	rVB3	3243	10520	0.52%	0.061%
27	7.092	840	851	861	rBV	11631	36049	1.77%	0.210%
28	7.269	876	880	889	rVB3	499	1326	0.07%	0.008%
29	7.427	904	906	911	rVB	155	225	0.01%	0.001%
30	7.476	911	914	918	rBB2	182	252	0.01%	0.001%
31	7.647	930	942	956	rBB	90524	223545	11.00%	1.304%
32	7.921	984	987	988	rBV2	232	240	0.01%	0.001%
33	8.159	1022	1026	1029	rBB	471	674	0.03%	0.004%
34	8.275	1035	1045	1061	rBV2	176322	529101	26.04%	3.086%
35	8.476	1070	1078	1088	rVB	44943	106441	5.24%	0.621%
36	8.592	1095	1097	1098	rVB	392	252	0.01%	0.001%

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

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

37	8.616	1098	1101	1103	rBV3	182	273	0.01%	0.002%
38	8.714	1108	1117	1123	rBV6	696	2038	0.10%	0.012%
39	8.842	1129	1138	1148	rBV	206163	403304	19.85%	2.352%
40	9.079	1169	1177	1181	rBV3	1427	3079	0.15%	0.018%
41	9.140	1181	1187	1195	rVB	5236	11151	0.55%	0.065%
42	9.220	1195	1200	1201	rBV3	410	569	0.03%	0.003%
43	9.275	1201	1209	1215	rBV	117029	240682	11.85%	1.404%
44	9.329	1215	1218	1222	rVV	20088	33050	1.63%	0.193%
45	9.384	1222	1227	1235	rVB2	27561	54725	2.69%	0.319%
46	9.463	1235	1240	1251	rVB2	3355	8003	0.39%	0.047%
47	9.579	1251	1259	1270	rBV2	7773	20618	1.01%	0.120%
48	9.665	1270	1273	1277	rVB2	373	475	0.02%	0.003%
49	9.756	1279	1288	1299	rVB	35217	70687	3.48%	0.412%
50	9.829	1299	1300	1302	rBV	269	216	0.01%	0.001%
51	9.896	1302	1311	1316	rBV	45487	92115	4.53%	0.537%
52	9.988	1321	1326	1329	rBV	31701	51225	2.52%	0.299%
53	10.037	1329	1334	1338	rVV	61338	111290	5.48%	0.649%
54	10.091	1338	1343	1357	rVB3	35110	109126	5.37%	0.636%
55	10.250	1357	1369	1374	rBV	21977	48566	2.39%	0.283%
56	10.323	1374	1381	1389	rBV	296306	523688	25.78%	3.054%
57	10.445	1396	1401	1404	rBV2	5496	8352	0.41%	0.049%
58	10.494	1404	1409	1410	rBV3	4215	6064	0.30%	0.035%
59	10.579	1418	1423	1428	rBV	46427	78775	3.88%	0.459%
60	10.665	1433	1437	1440	rBV2	4883	7012	0.35%	0.041%
61	10.732	1443	1448	1451	rBV2	11951	19191	0.94%	0.112%
62	10.847	1463	1467	1472	rVB2	47053	83491	4.11%	0.487%
63	10.927	1472	1480	1486	rBV4	105748	258387	12.72%	1.507%
64	11.030	1494	1497	1501	rVB2	62520	83899	4.13%	0.489%
65	11.110	1506	1510	1518	rBV2	66642	117589	5.79%	0.686%
66	11.189	1518	1523	1525	rBV3	33330	62574	3.08%	0.365%
67	11.225	1525	1529	1534	rBV2	84203	138894	6.84%	0.810%
68	11.335	1544	1547	1551	rBV2	80527	109165	5.37%	0.637%
69	11.506	1571	1575	1586	rVB4	59208	130818	6.44%	0.763%
70	11.628	1590	1595	1602	rVB	295010	508781	25.04%	2.967%
71	11.762	1613	1617	1621	rBV	80925	120380	5.93%	0.702%
72	11.817	1621	1626	1630	rVV3	106596	217071	10.69%	1.266%
73	11.872	1630	1635	1639	rVV	279926	508464	25.03%	2.965%
74	11.914	1639	1642	1647	rVB2	142121	229700	11.31%	1.340%
75	11.975	1647	1652	1653	rBV3	20879	29066	1.43%	0.170%
76	12.061	1662	1666	1671	rVB2	91500	156429	7.70%	0.912%

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77	12.134	1671	1678	1689	rBV4	382125	989689	48.72%	5.772%
78	12.250	1693	1697	1701	rVB	264159	403979	19.89%	2.356%
79	12.335	1701	1711	1714	rBV4	260995	751961	37.01%	4.385%
80	12.695	1762	1770	1775	rBV4	225458	542791	26.72%	3.165%
81	12.780	1780	1784	1790	rVB2	251307	455650	22.43%	2.657%
82	12.859	1790	1797	1800	rBV5	195092	430977	21.21%	2.513%
83	12.987	1815	1818	1824	rVB2	211991	334010	16.44%	1.948%
84	13.079	1829	1833	1836	rVV2	155004	233904	11.51%	1.364%
85	13.121	1837	1840	1843	rVV2	129975	218058	10.73%	1.272%
86	13.164	1843	1847	1855	rVB2	280907	530923	26.13%	3.096%
87	13.292	1865	1868	1871	rBV2	104180	148124	7.29%	0.864%
88	13.554	1907	1911	1915	rBV	254001	396277	19.51%	2.311%
89	13.877	1955	1964	1968	rBV2	408897	1013911	49.91%	5.913%
90	14.194	2012	2016	2021	rBV3	90439	160026	7.88%	0.933%
91	14.261	2022	2027	2033	rVV6	123563	246089	12.11%	1.435%
92	14.383	2043	2047	2049	rBV2	136477	208249	10.25%	1.214%
93	14.414	2049	2052	2056	rVV	219899	333849	16.43%	1.947%
94	14.450	2056	2058	2062	rVB	118987	144782	7.13%	0.844%
95	14.633	2085	2088	2093	rVB	101386	145746	7.17%	0.850%
96	15.060	2154	2158	2165	rBV3	78582	168392	8.29%	0.982%
97	15.359	2197	2207	2217	rBV	1089128	2031528	100.00%	11.847%
98	15.944	2299	2303	2308	rVB3	57864	101934	5.02%	0.594%
99	16.438	2378	2384	2397	rVB4	136844	409941	20.18%	2.391%
100	16.633	2409	2416	2430	rVB	333776	775937	38.19%	4.525%

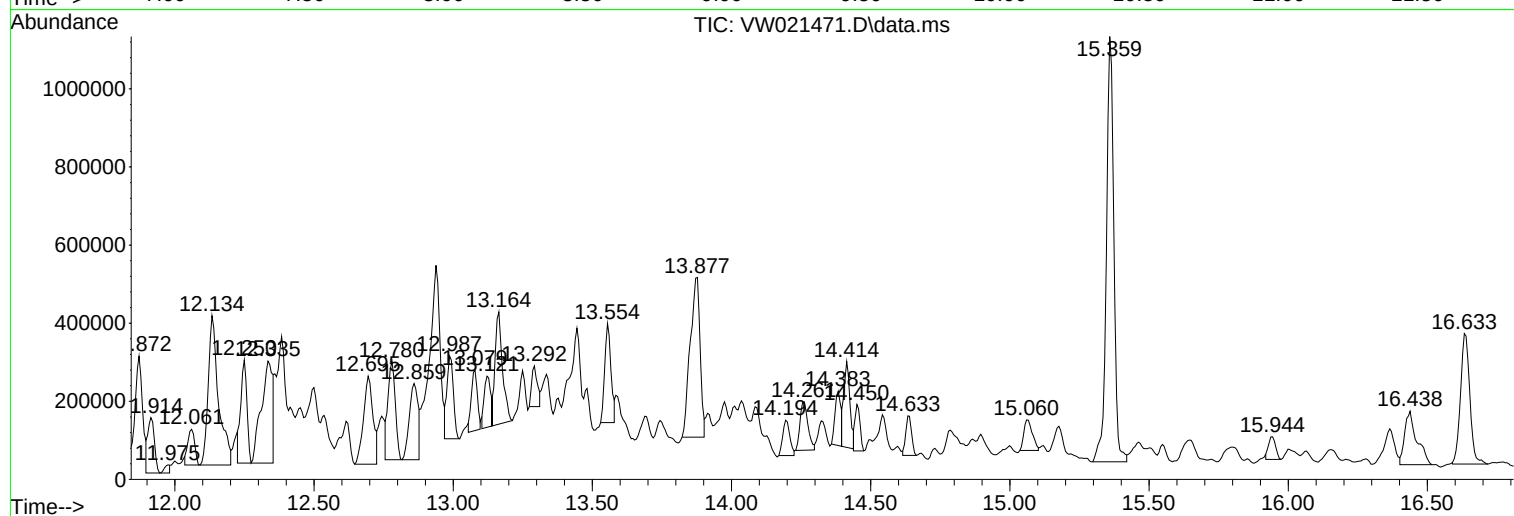
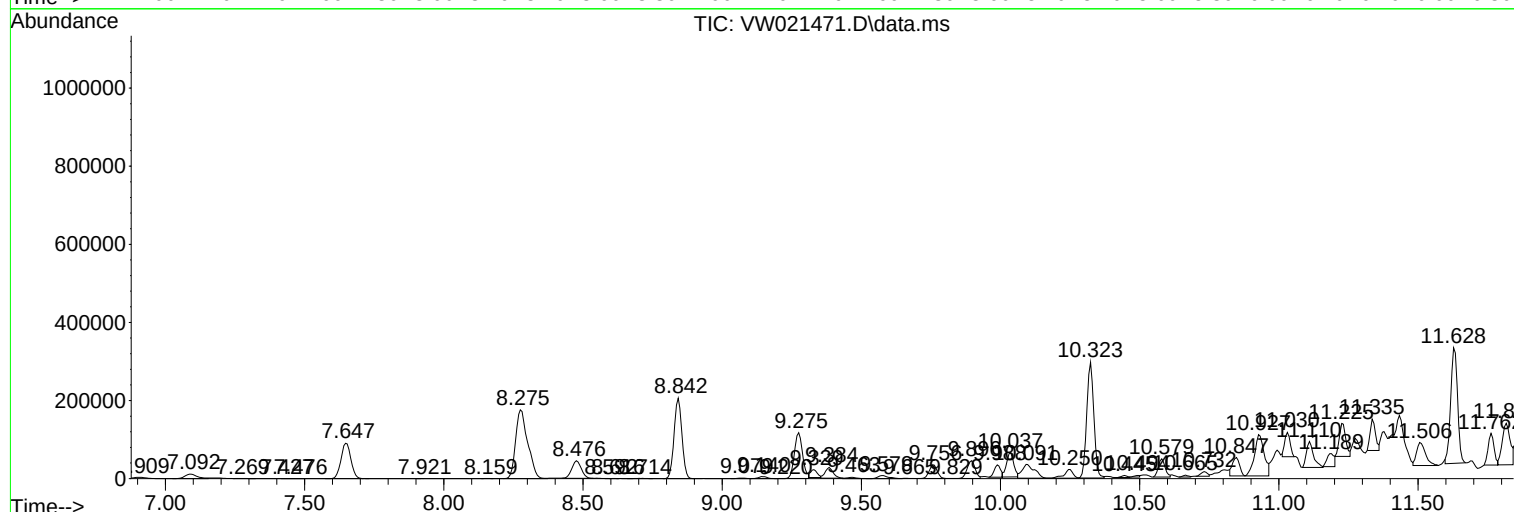
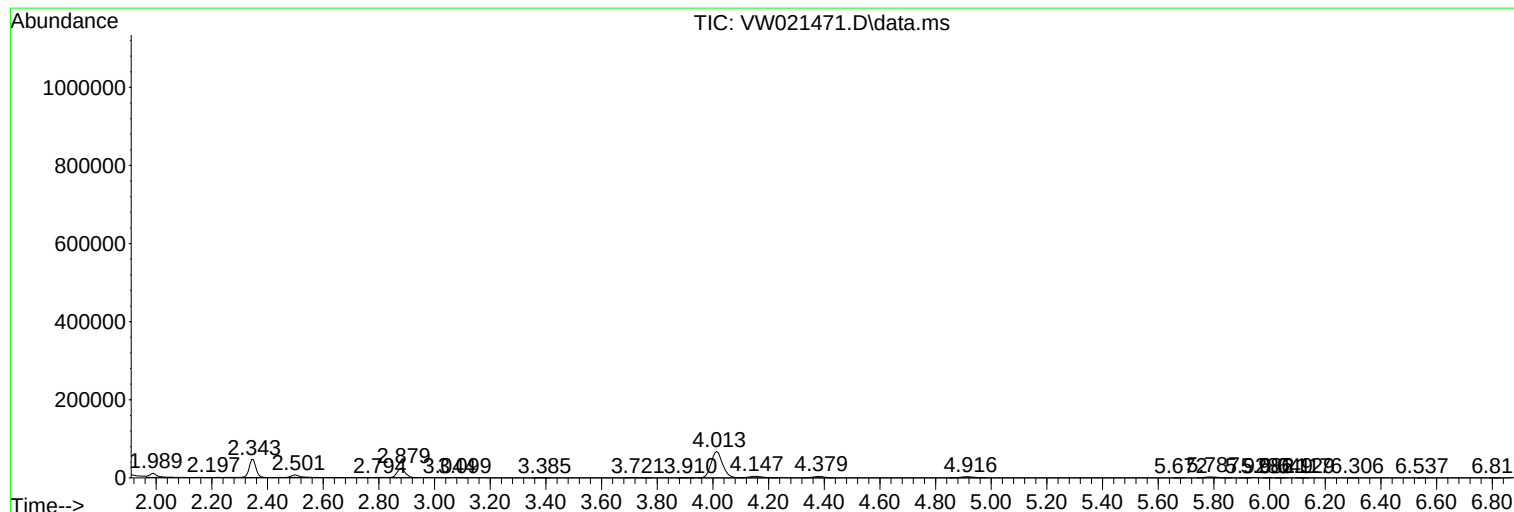
Sum of corrected areas: 17147623

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Instrument :
MSVOA_W
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BGL95

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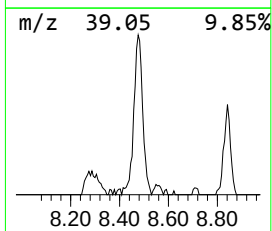
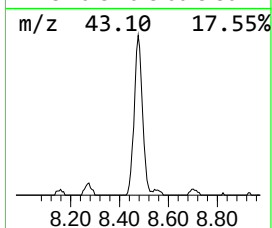
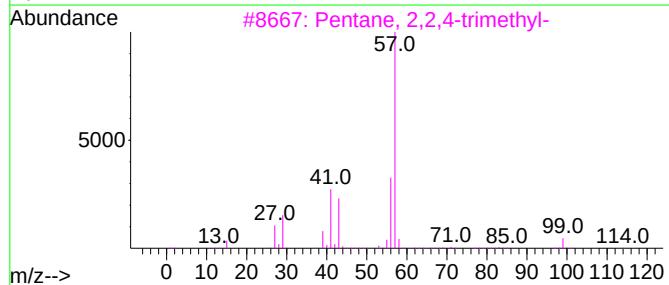
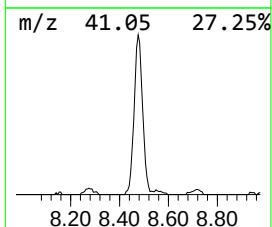
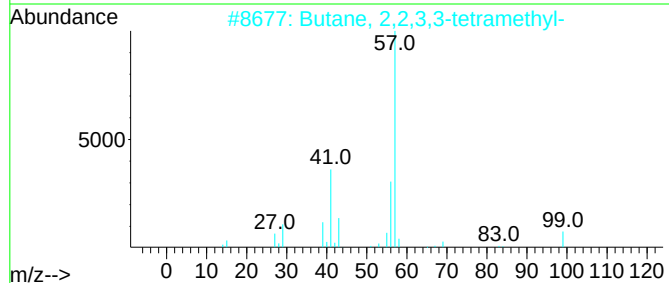
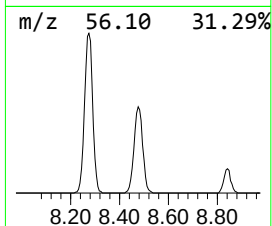
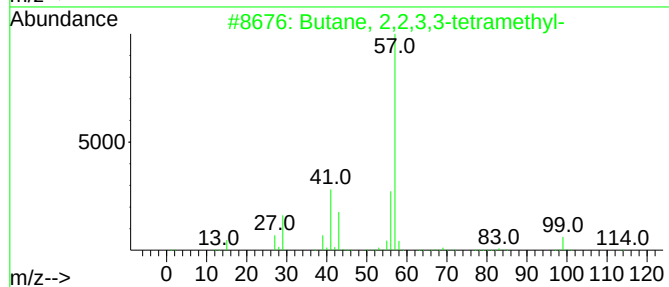
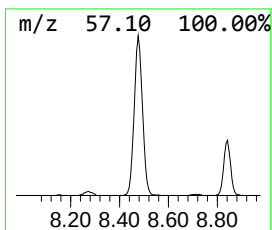
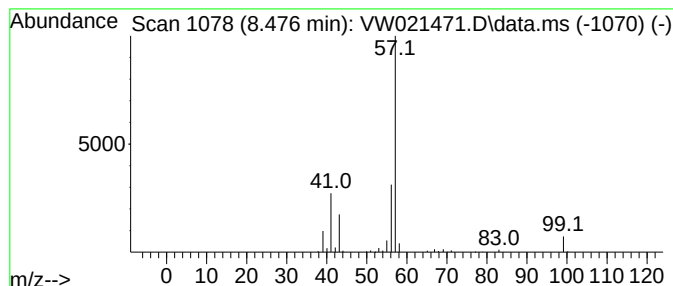
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.476	6.60 ug/L	106441	1,4-Difluorobenzene	8.842

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
2		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
3		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
4		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
5		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72



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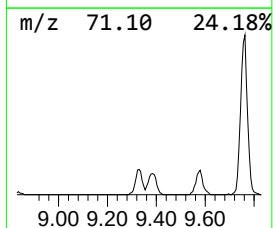
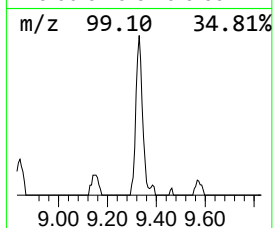
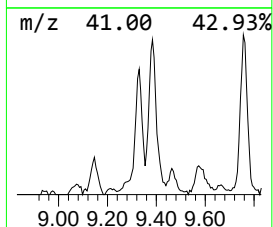
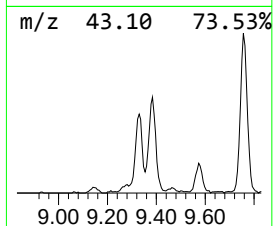
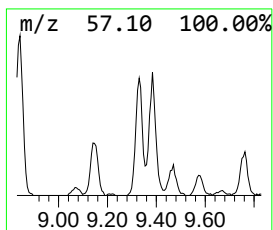
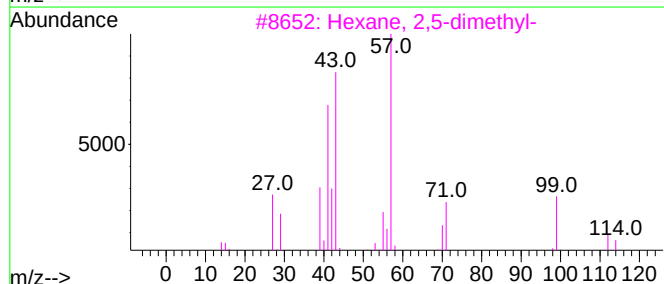
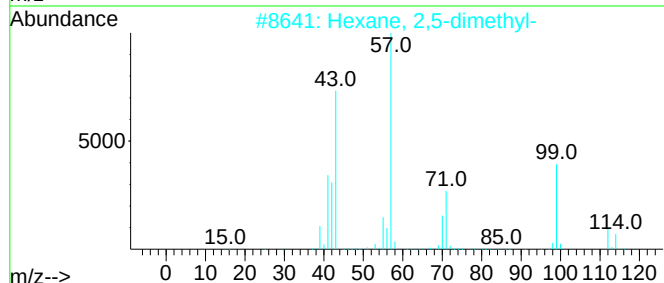
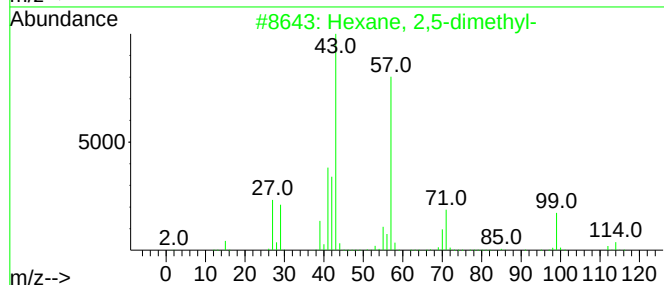
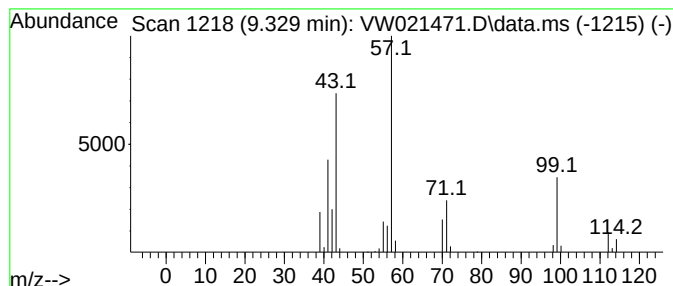
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.329	2.05 ug/L	33050	1,4-Difluorobenzene	8.842

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	91
2		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	87
3		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	87
4		Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	42
5		Heptane, 2-methyl-	114	C8H18	000592-27-8	40



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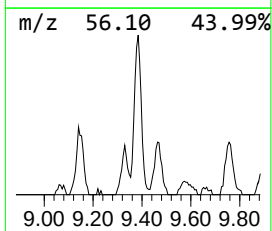
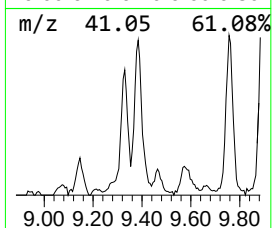
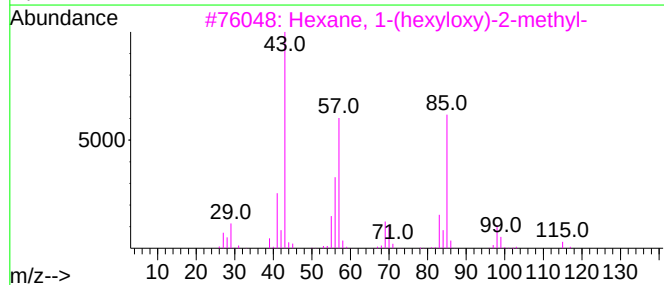
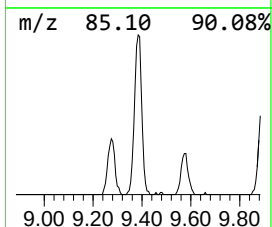
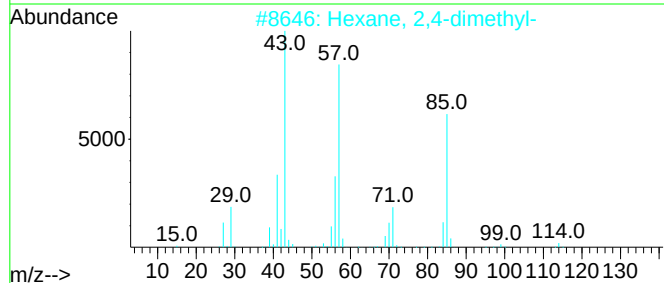
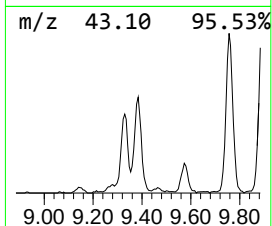
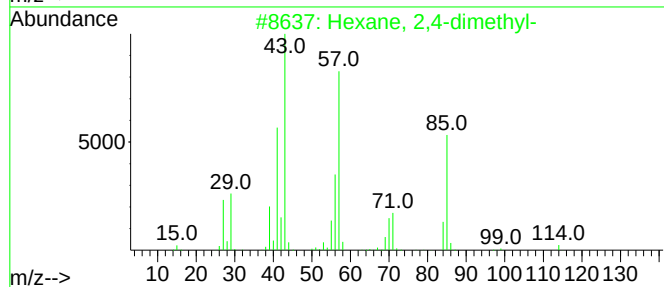
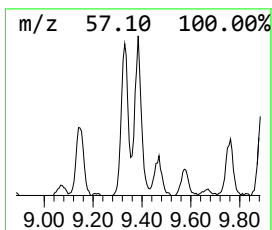
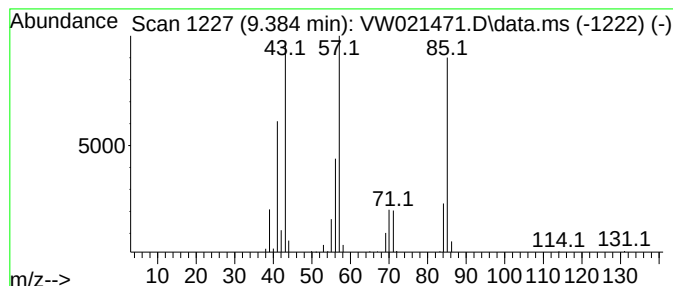
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.384	3.39 ug/L	54725	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-			114	C8H18	000589-43-5	72
2	Hexane, 2,4-dimethyl-			114	C8H18	000589-43-5	68
3	Hexane, 1-(hexyloxy)-2-methyl-			200	C13H28O	074421-17-3	64
4	4,4-Dimethyl octane			142	C10H22	015869-95-1	64
5	Hexane, 1,1'-oxybis-			186	C12H26O	000112-58-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL95

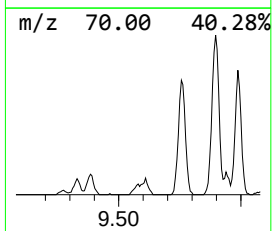
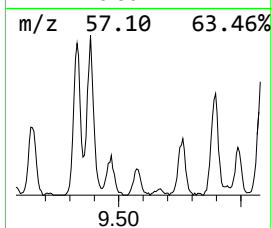
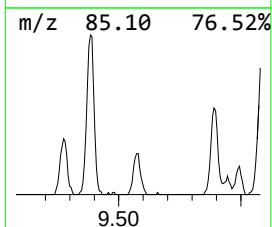
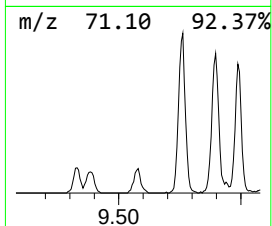
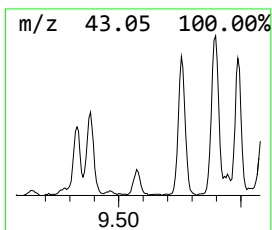
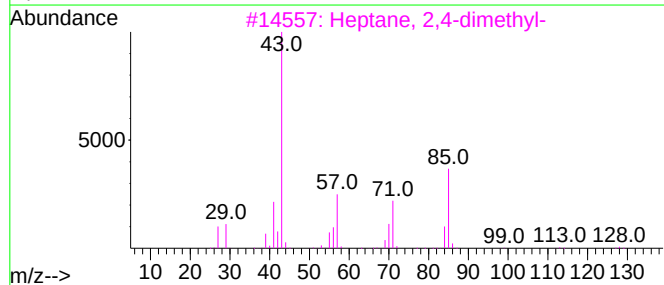
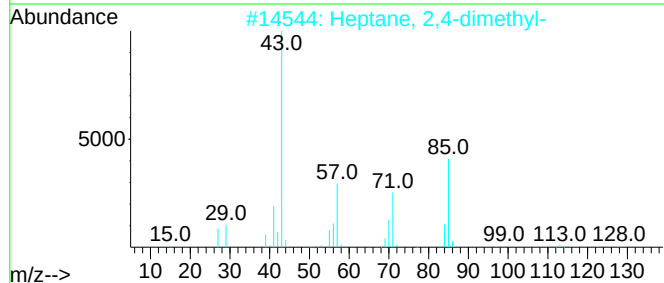
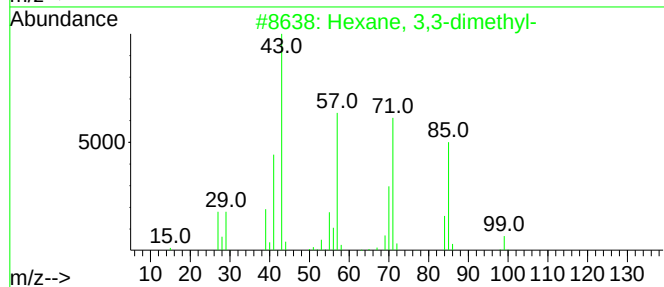
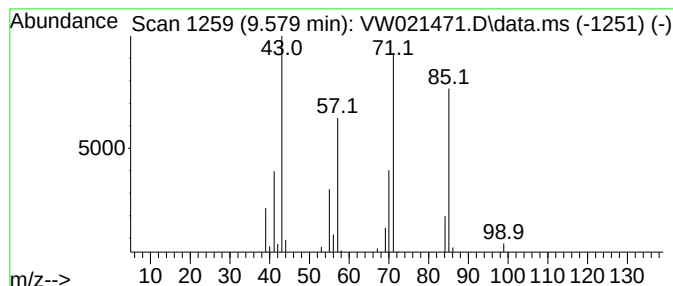
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.579	1.28 ug/L	20618	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	83
2			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	83
3			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
4			Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	50
5			Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL95

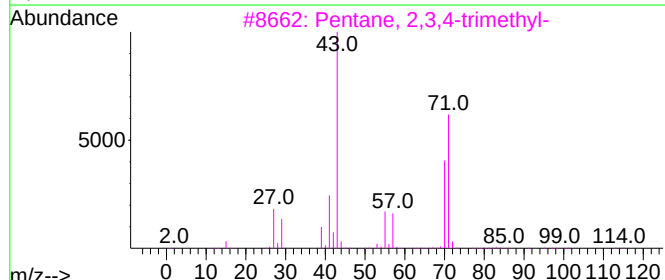
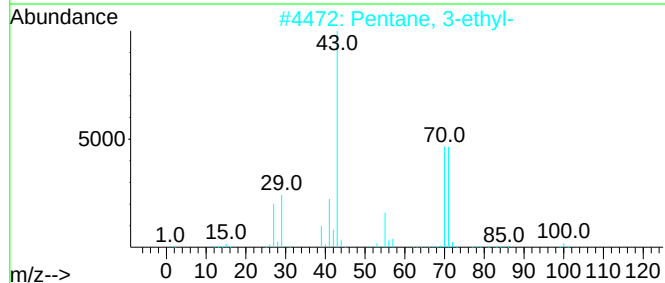
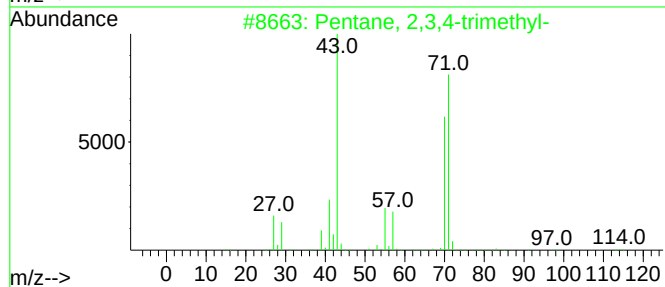
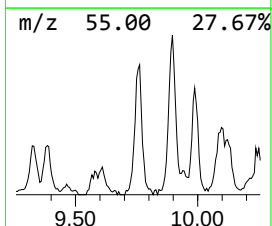
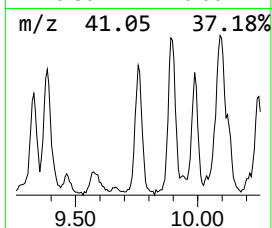
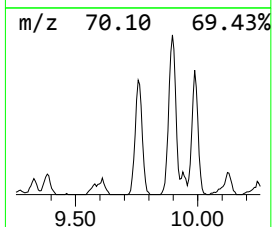
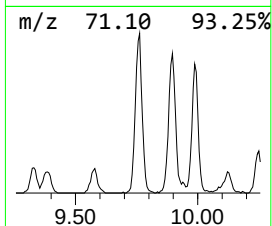
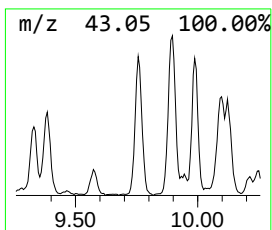
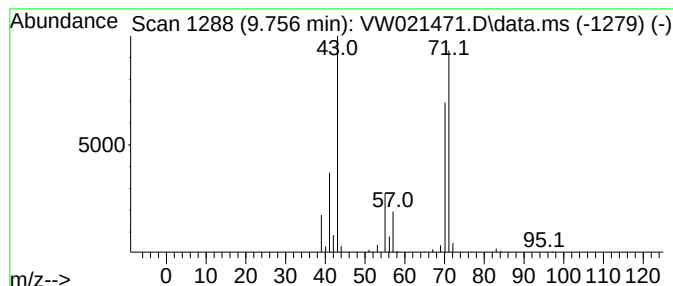
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.756	4.38 ug/L	70687	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	83
2			Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
3			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	78
4			Heptane, 4-methyl-	114	C8H18	000589-53-7	74
5			Pentane, 3-ethyl-	100	C7H16	000617-78-7	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL95

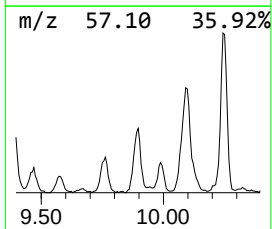
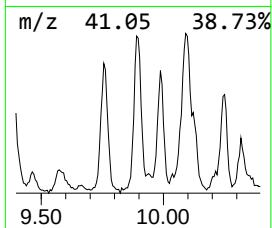
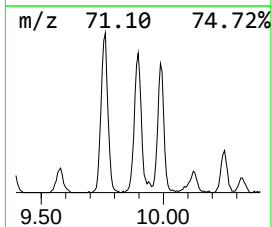
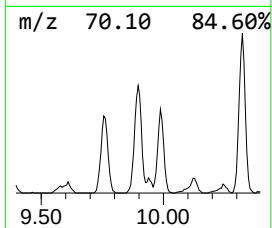
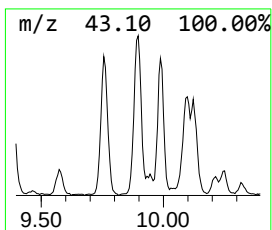
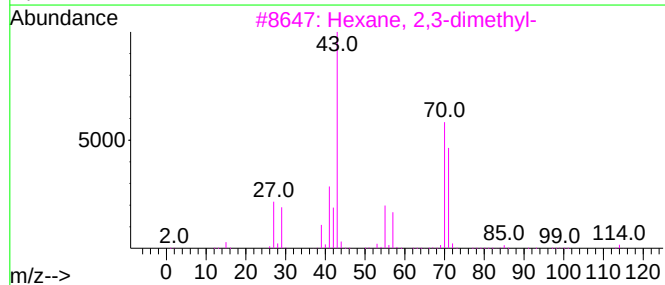
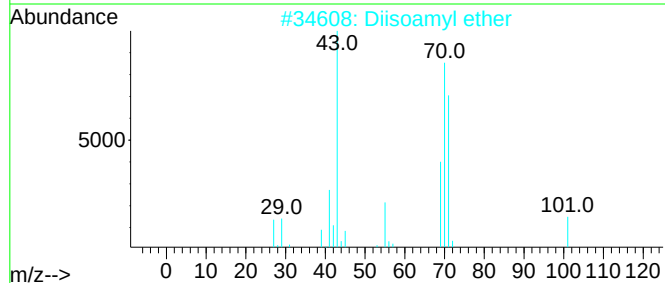
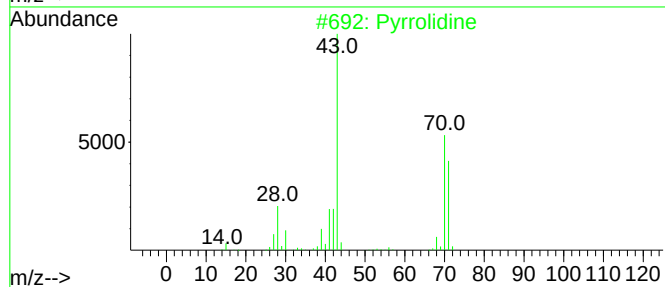
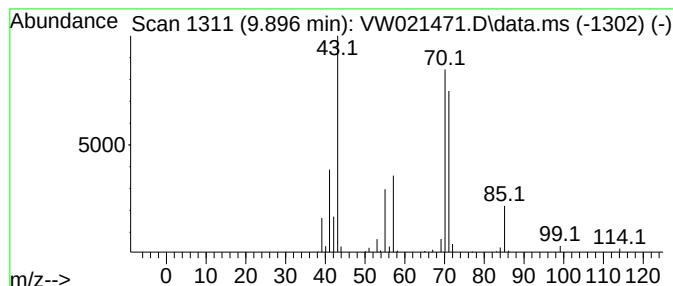
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Quant Title : SFAM01.0

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

Peak Number 6 Pyrrolidine Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.896	5.71 ug/L	92115	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrrolidine	71	C4H9N	000123-75-1	72
2			Diisoamyl ether	158	C10H22O	000544-01-4	72
3			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	72
4			3,4-Diethyl hexane	142	C10H22	019398-77-7	72
5			Diisoamyl ether	158	C10H22O	000544-01-4	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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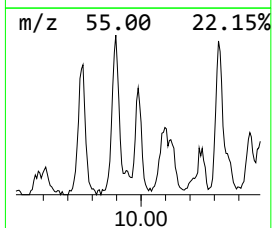
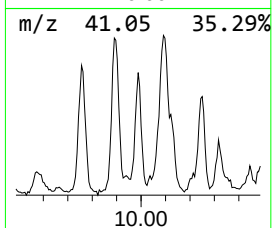
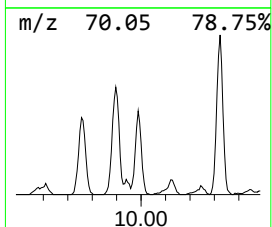
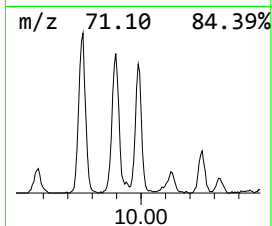
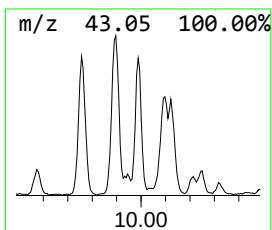
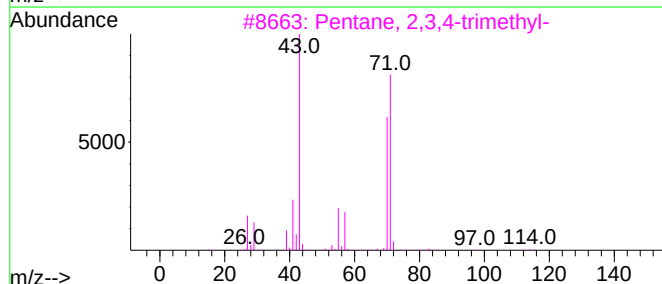
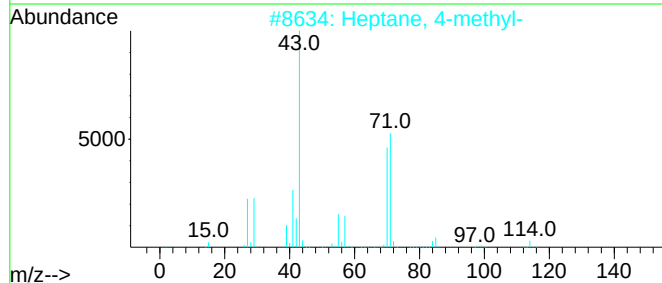
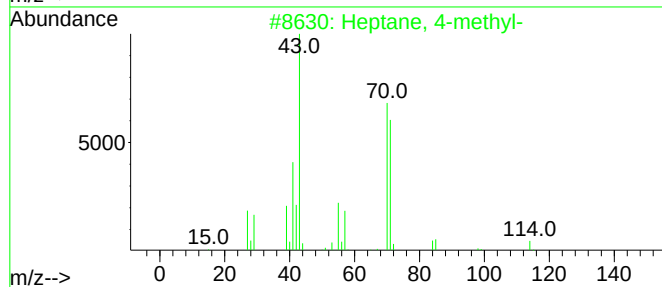
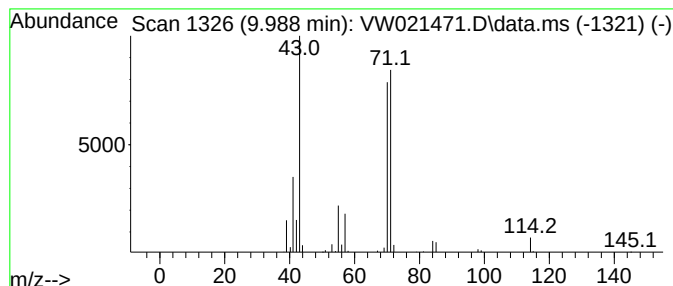
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.988	3.18 ug/L	51225	1,4-Difluorobenzene	8.842

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 4-methyl-	114	C8H18	000589-53-7	94
2		Heptane, 4-methyl-	114	C8H18	000589-53-7	90
3		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	78
4		Diisoamyl ether	158	C10H22O	000544-01-4	72
5		Diisoamyl ether	158	C10H22O	000544-01-4	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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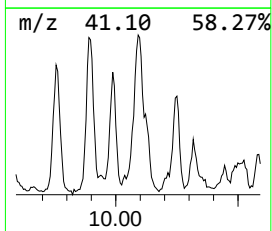
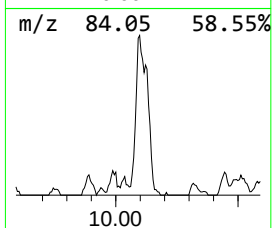
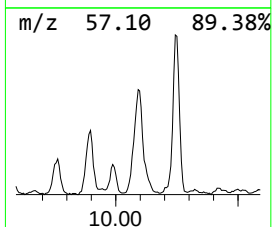
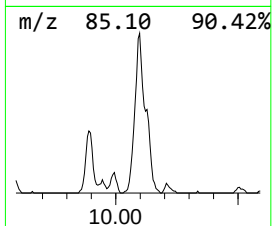
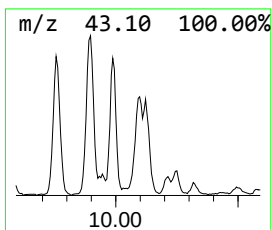
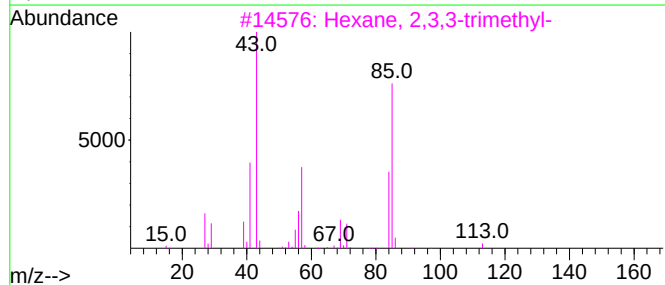
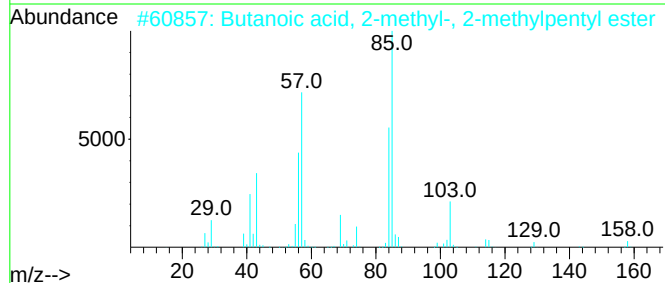
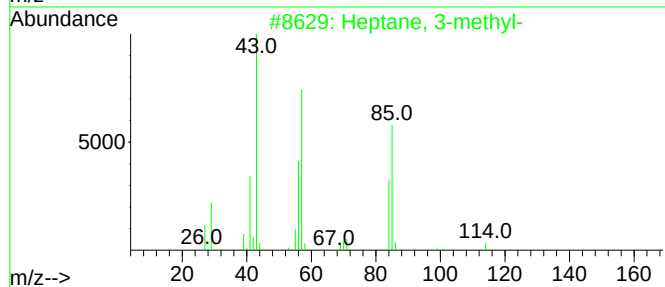
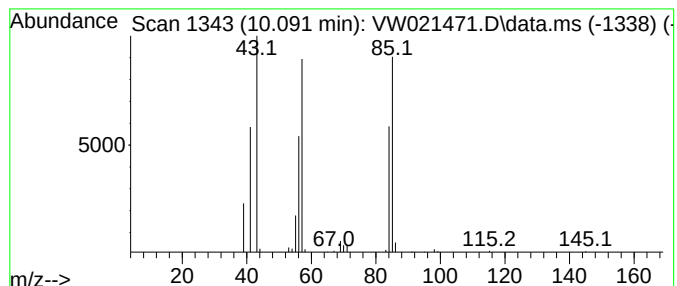
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.091	6.76 ug/L	109126	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-methyl-	114	C8H18	000589-81-1	74
2			Butanoic acid, 2-methyl-, 2-meth...	186	C11H22O2	083783-88-4	72
3			Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	64
4			Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	64
5			Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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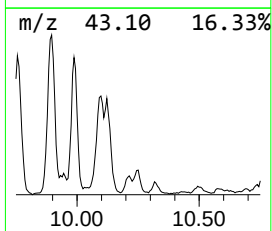
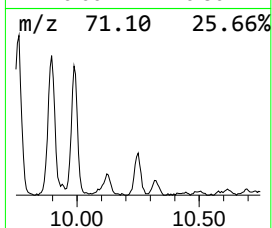
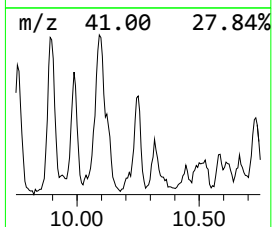
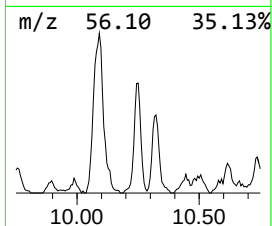
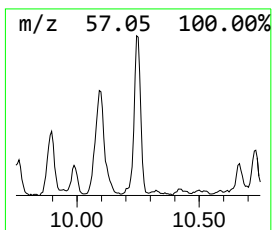
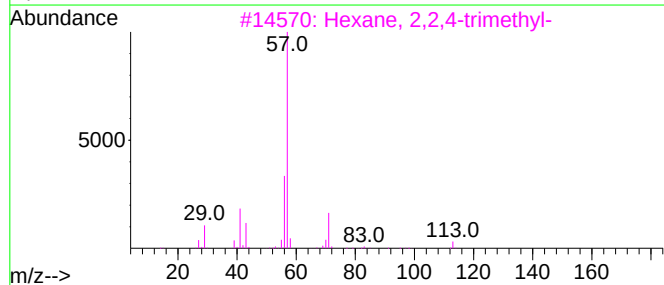
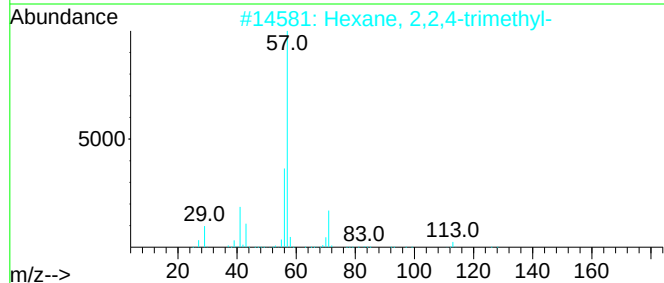
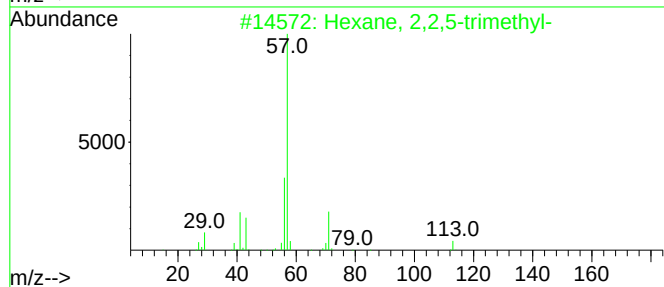
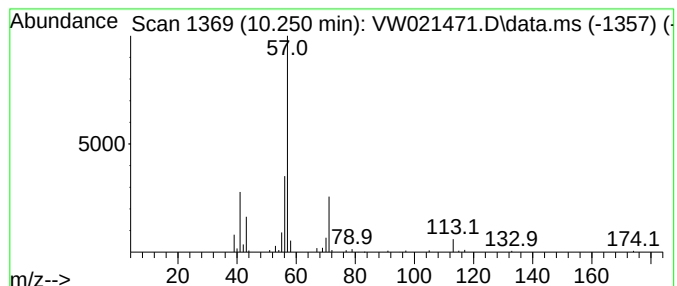
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.250	2.39 ug/L	48566	Chlorobenzene-d5	11.628

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	72
2		Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	72
3		Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	72
4		Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	72
5		Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL95

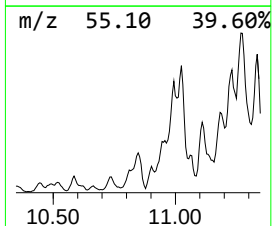
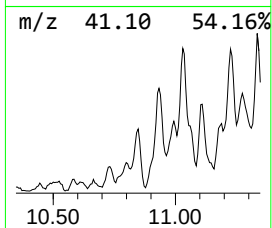
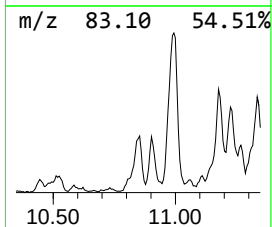
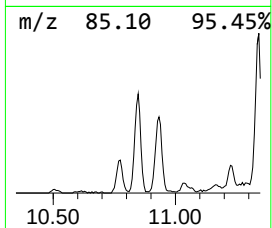
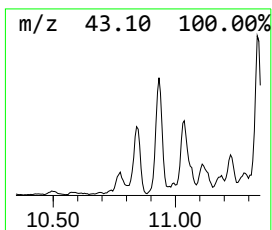
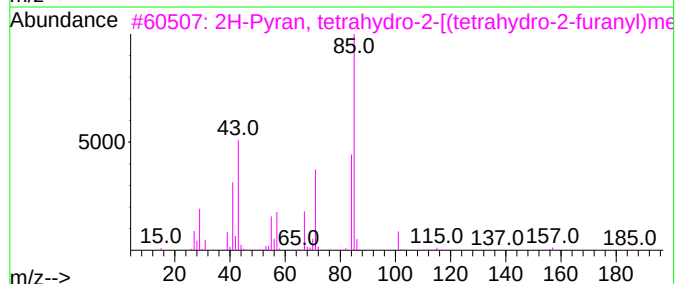
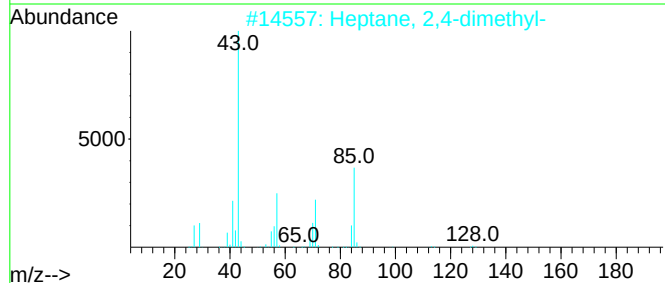
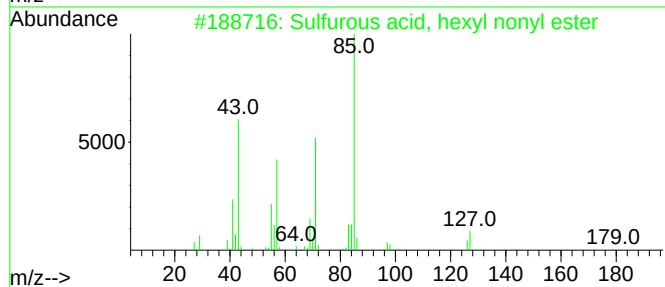
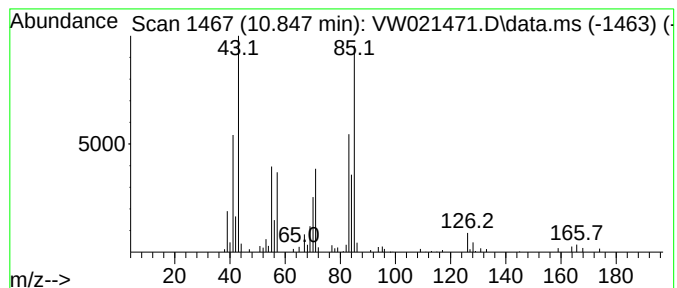
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Quant Title : SFAM01.0

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

Peak Number 11 Sulfurous acid, hexyl nonyl... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.847	4.10 ug/L	83491	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, hexyl nonyl ester	292	C15H32O3S	1000309-13-1	50
2			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50
3			2H-Pyran, tetrahydro-2-[(tetrahy...	186	C10H18O3	000710-14-5	50
4			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	49
5			Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL95

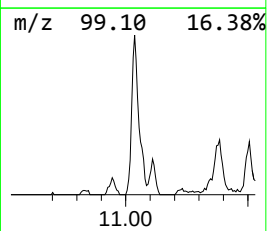
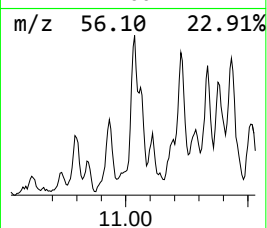
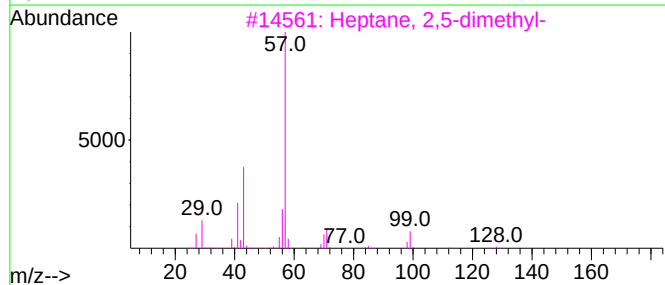
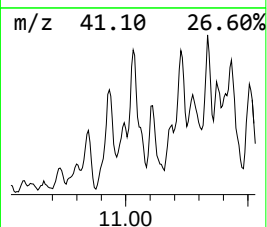
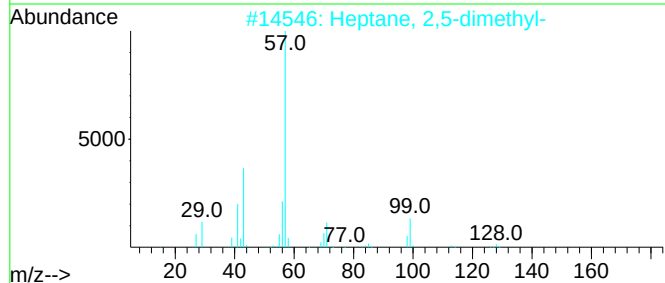
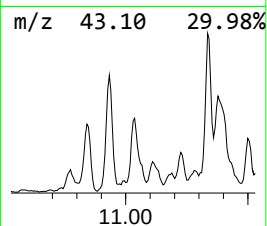
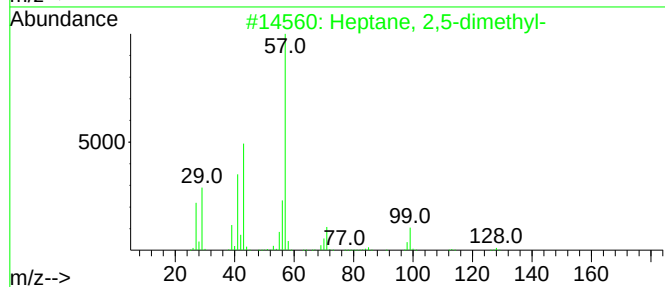
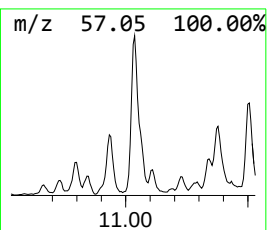
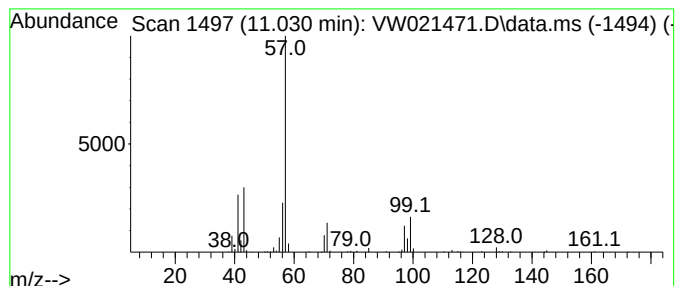
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.030	4.12 ug/L	83899	Chlorobenzene-d5	11.628

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
4		Octane, 3-methyl-	128	C9H20	002216-33-3	70
5		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL95

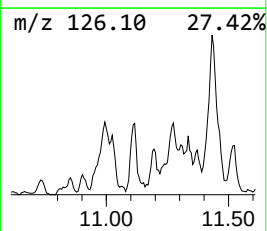
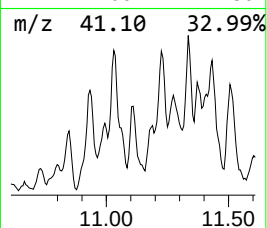
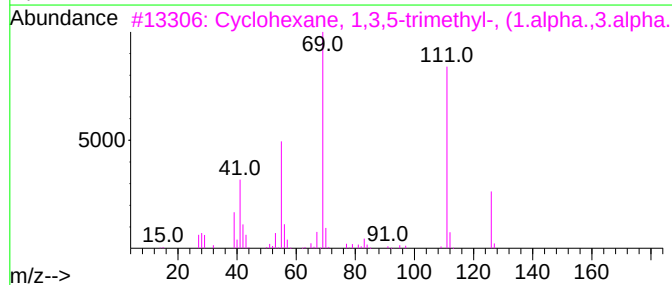
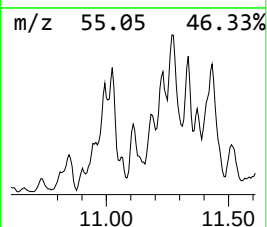
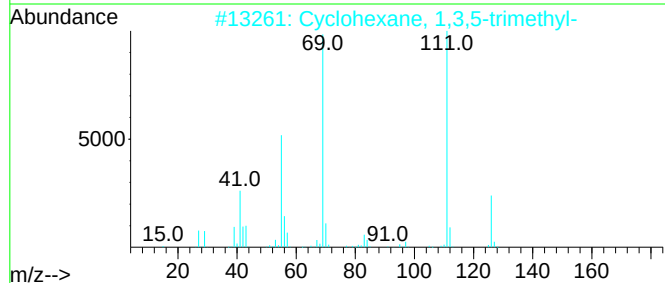
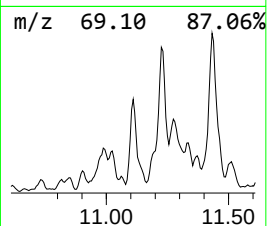
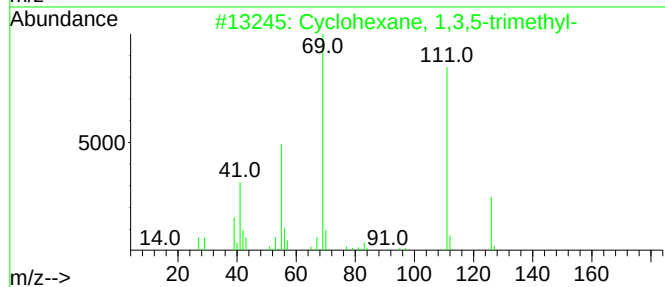
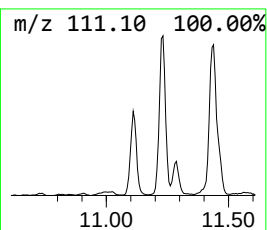
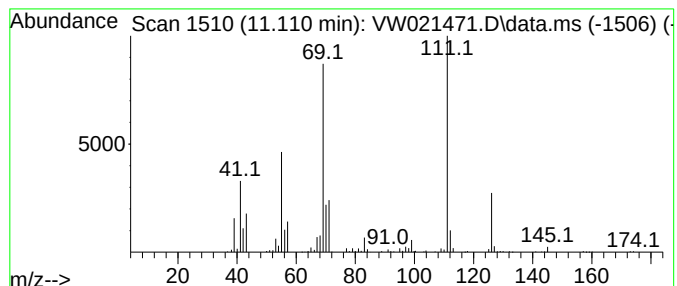
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Cyclic11.110 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.110	5.78 ug/L	117589	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	93
2			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
3			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	81
4			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	81
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

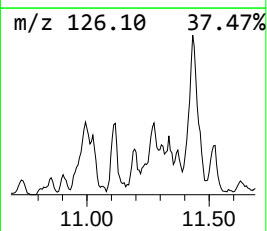
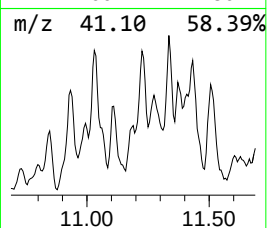
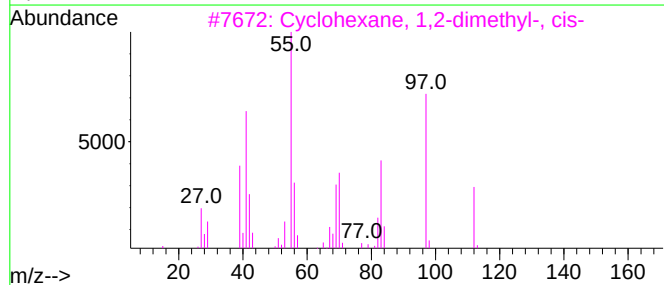
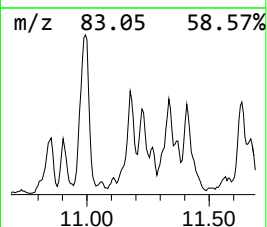
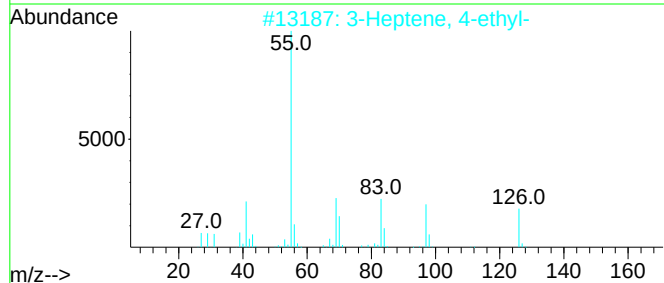
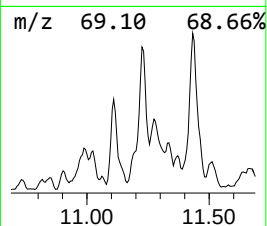
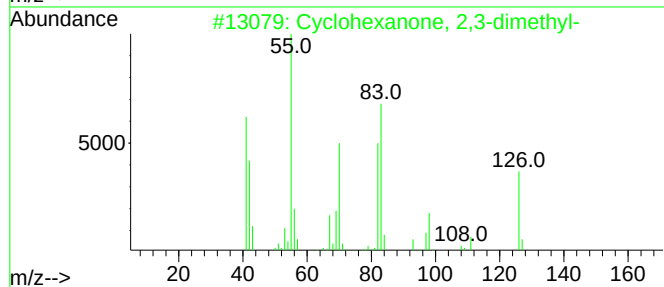
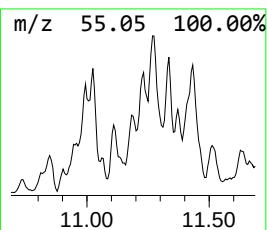
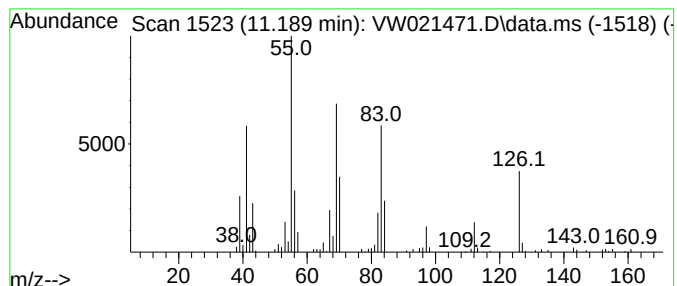
Instrument :
MSVOA_W
ClientSampleId :
BGL95

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 14 Cyclohexanone, 2,3-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.189	3.07 ug/L	62574	Chlorobenzene-d5	11.628	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	64
2	3-Heptene, 4-ethyl-	126	C9H18	033933-74-3	58
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	58
4	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	58
5	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

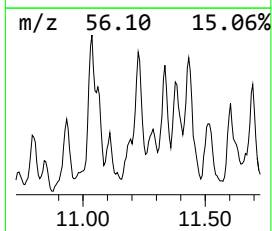
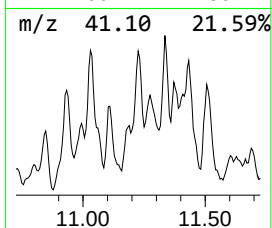
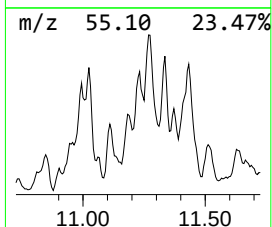
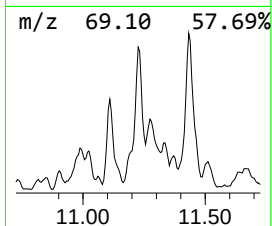
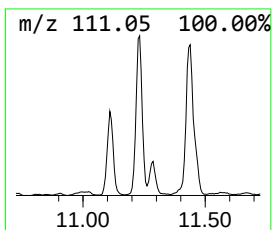
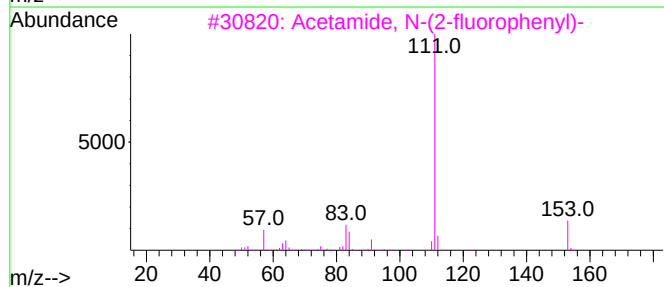
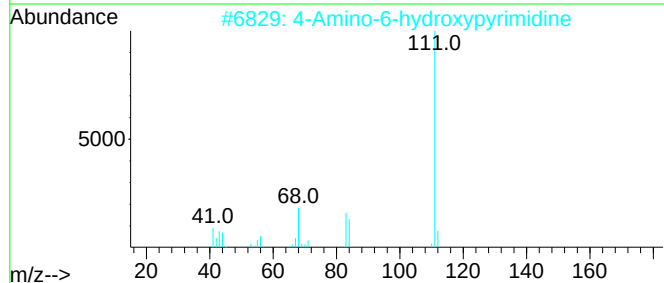
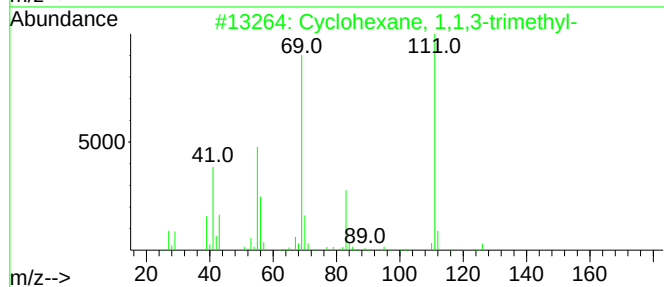
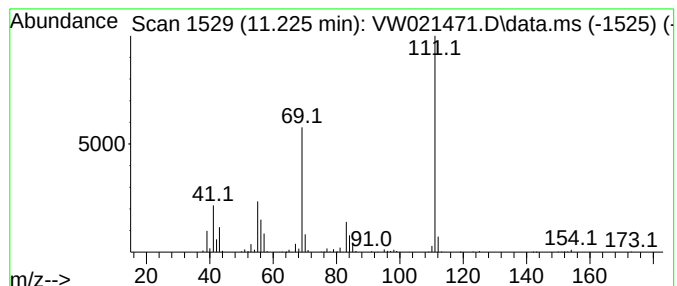
Instrument :
MSVOA_W
ClientSampleId :
BGL95

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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Cyclic11.225 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.225	6.82 ug/L	138894	Chlorobenzene-d5		11.628	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-		126	C9H18	003073-66-3	78
2	4-Amino-6-hydroxypyrimidine		111	C4H5N3O	001193-22-2	64
3	Acetamide, N-(2-fluorophenyl)-		153	C8H8FNO	000399-31-5	59
4	4-Amino-6-hydroxypyrimidine		111	C4H5N3O	001193-22-2	59
5	p-Fluoroaniline		111	C6H6FN	000371-40-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL95

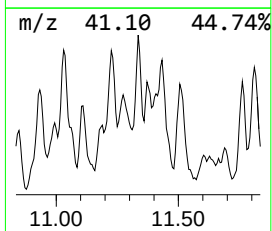
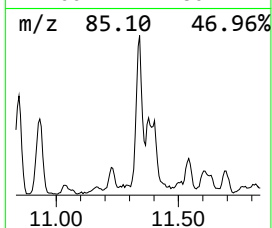
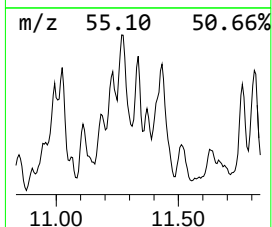
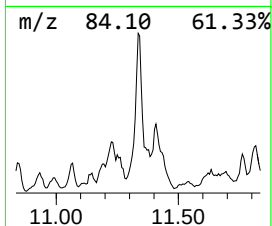
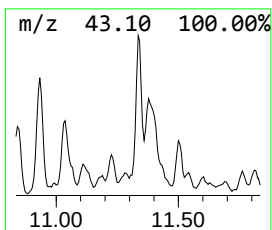
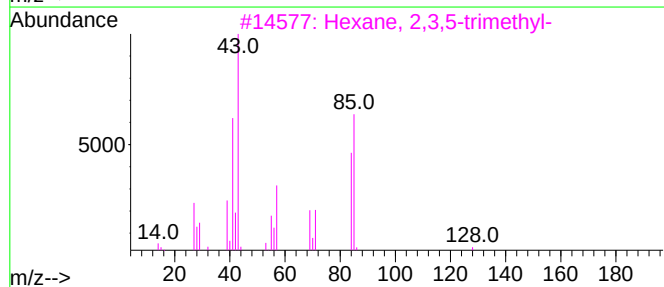
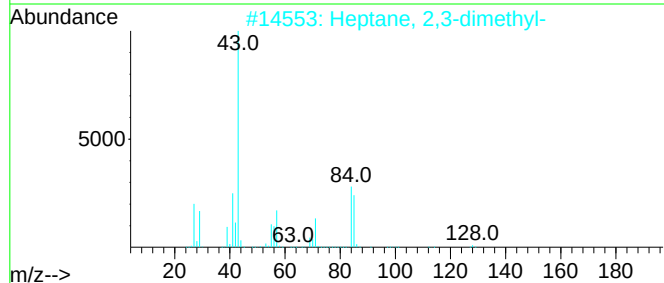
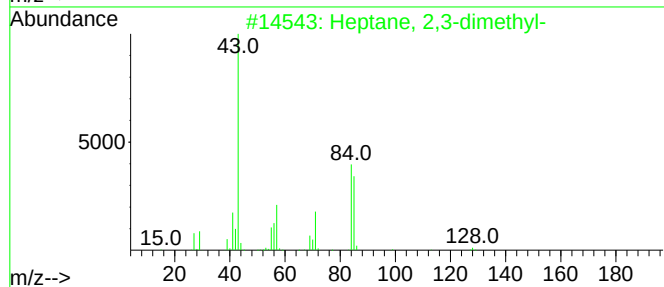
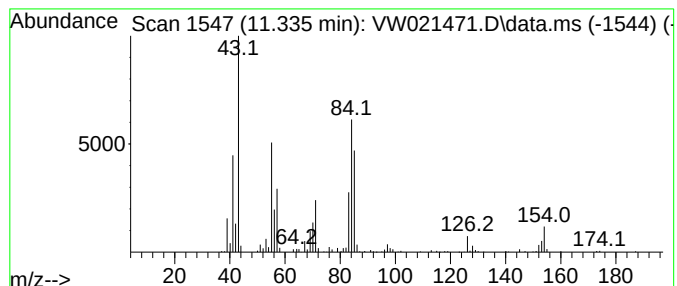
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.335	5.36 ug/L	109165	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	70
2			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	62
3			Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	43
4			Hexanal, 3,3-dimethyl-	128	C8H16O	055320-57-5	43
5			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL95

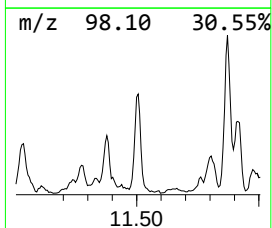
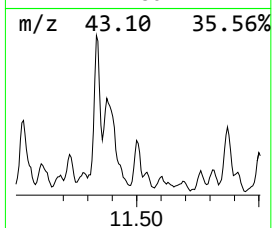
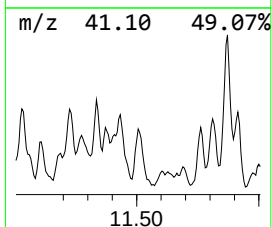
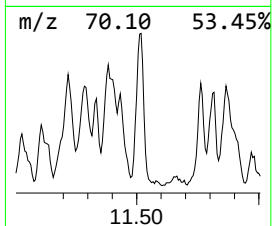
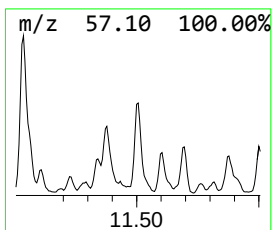
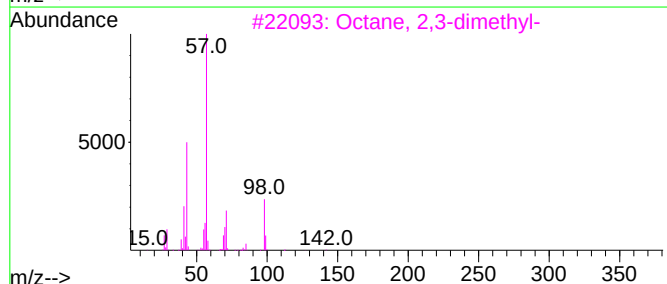
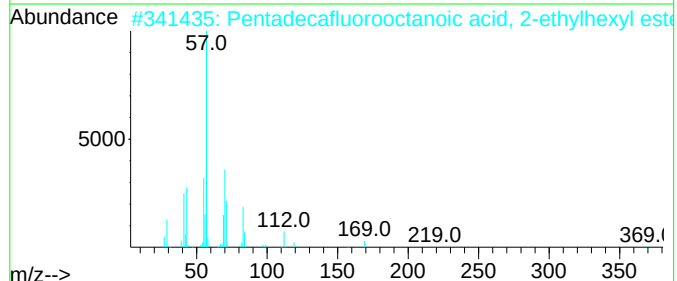
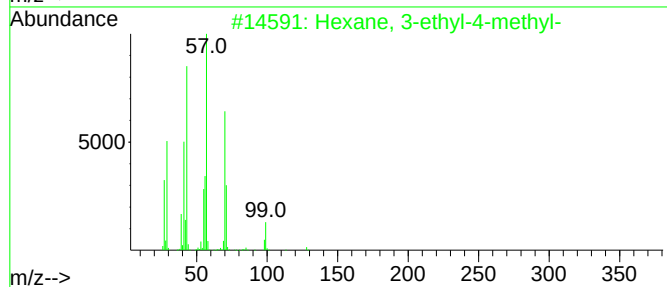
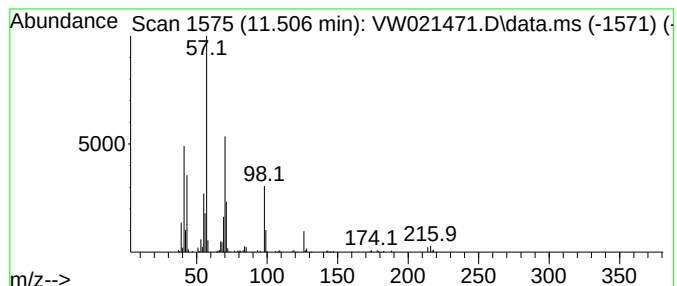
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Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.506	6.43 ug/L	130818	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	58
2			Pentadecafluorooctanoic acid, 2-...	526	C16H17F15O2	1000406-80-9	53
3			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	52
4			2-Hexene, 3,5,5-trimethyl-	126	C9H18	026456-76-8	49
5			Carbonic acid, isobutyl 2-ethylh...	230	C13H26O3	1000383-13-3	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL95

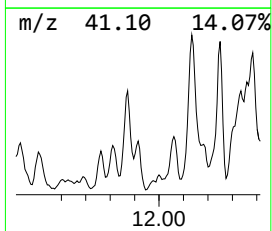
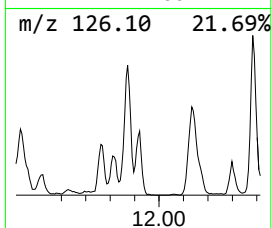
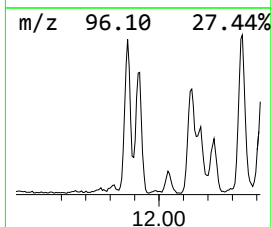
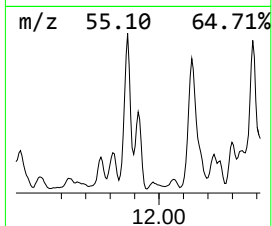
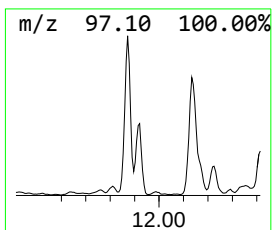
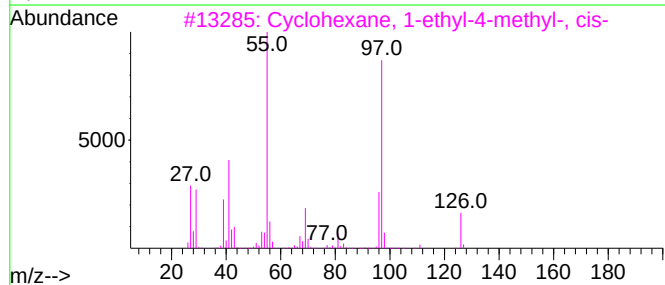
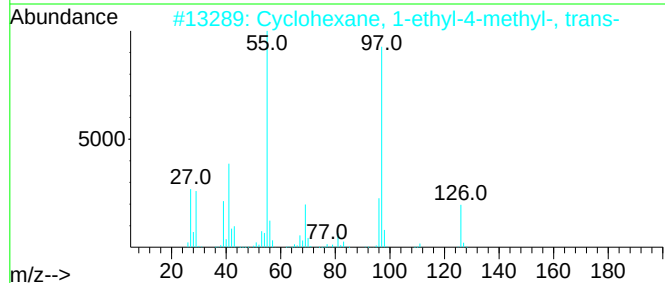
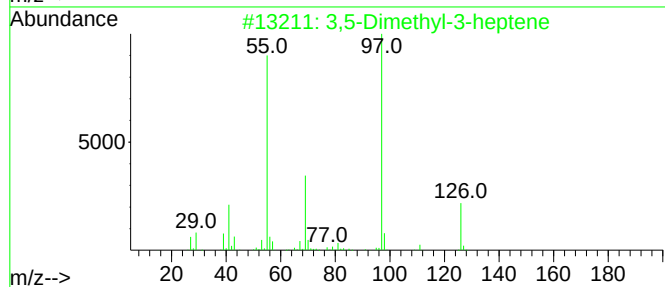
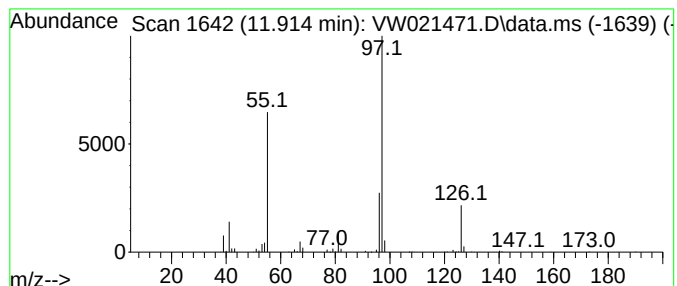
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.914	11.29 ug/L	229700	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	72
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64
4			4-Octen-3-one	126	C8H14O	014129-48-7	59
5			Furan, 2,3-dihydro-4-(1-methylpr...	126	C8H14O	034379-54-9	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL95

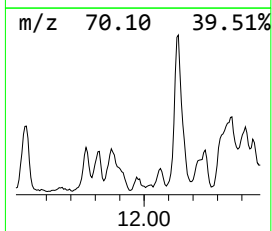
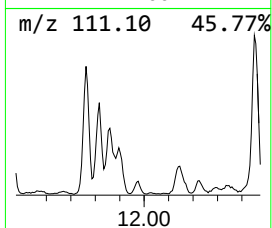
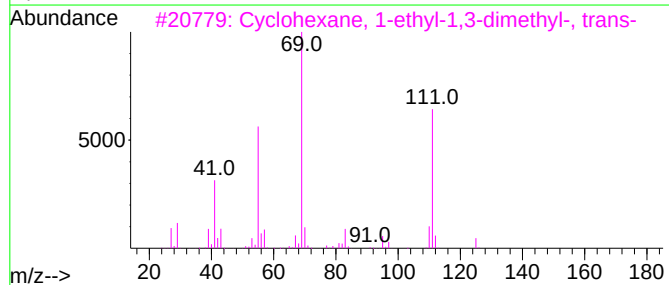
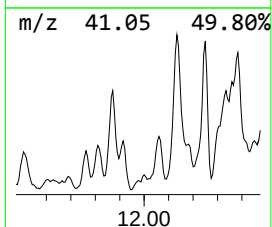
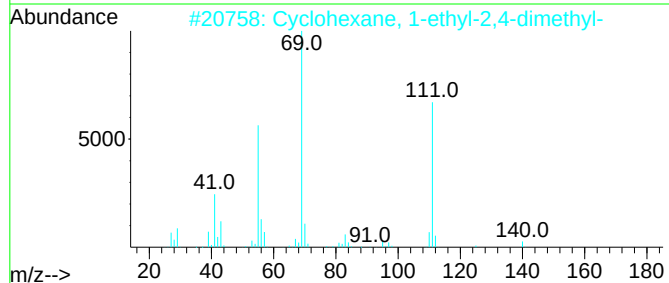
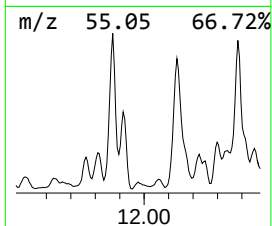
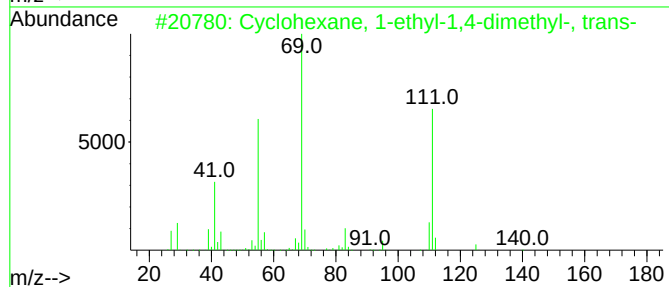
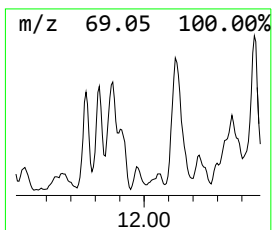
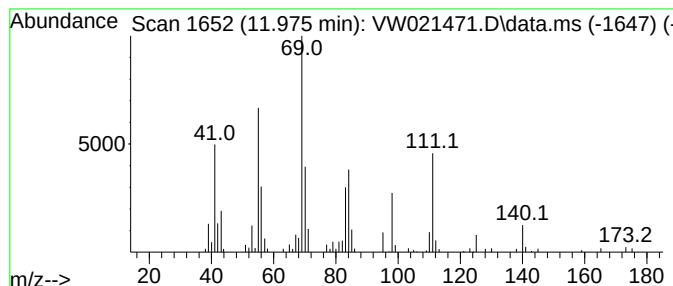
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Cyclic11.975 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	1.43 ug/L	29066	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-1,4-dimethyl...	140	C10H20	062238-32-8	43
2			Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	43
3			Cyclohexane, 1-ethyl-1,3-dimethyl...	140	C10H20	062238-29-3	43
4			2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	38
5			Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

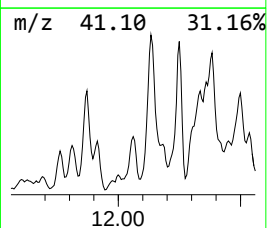
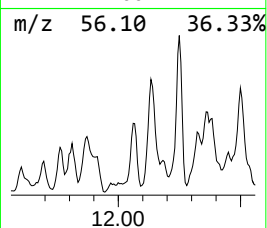
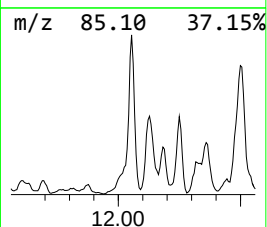
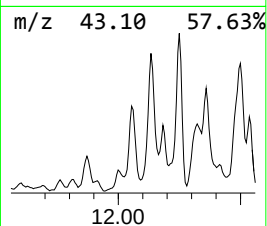
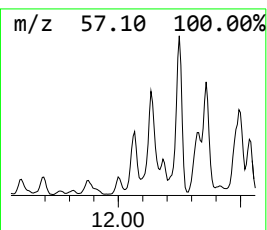
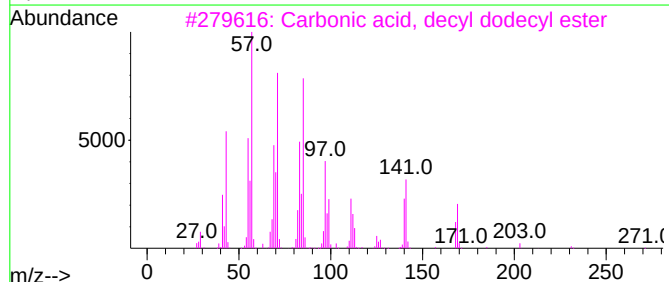
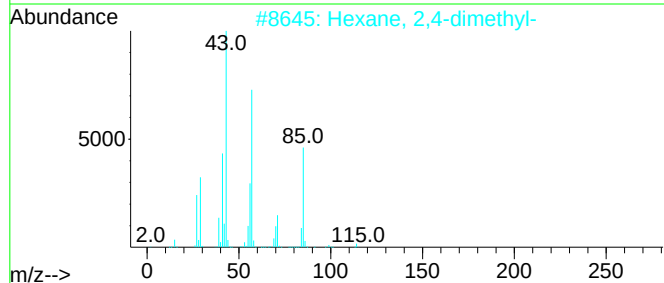
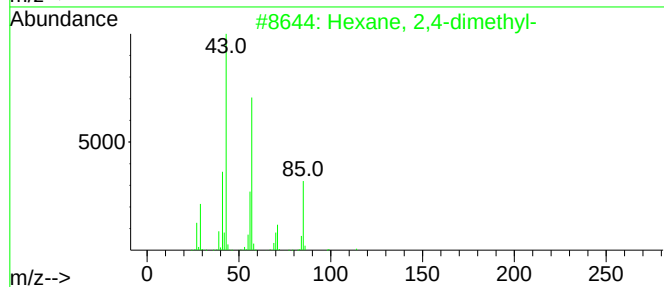
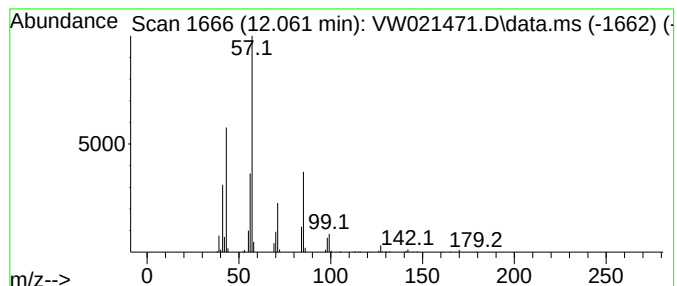
Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.061	7.69 ug/L	156429	Chlorobenzene-d5	11.628	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
3	Carbonic acid, decyl dodecyl ester	370	C23H46O3	1000383-16-1	53
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	50
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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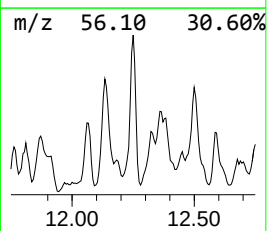
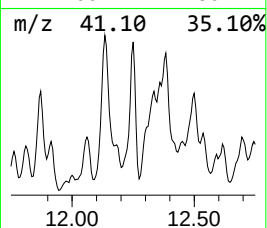
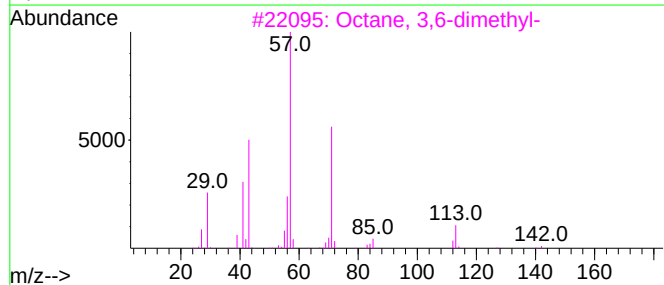
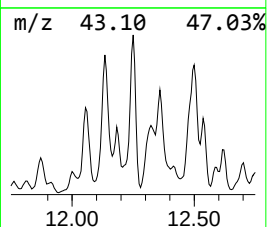
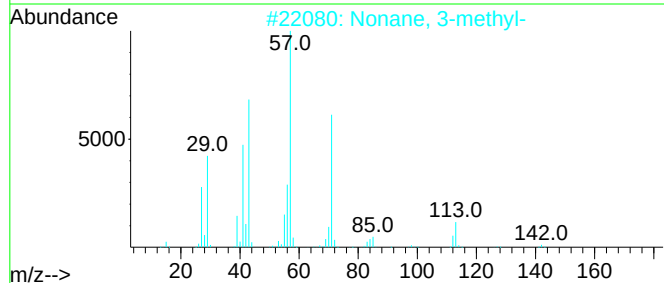
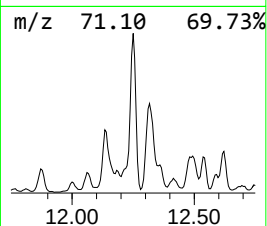
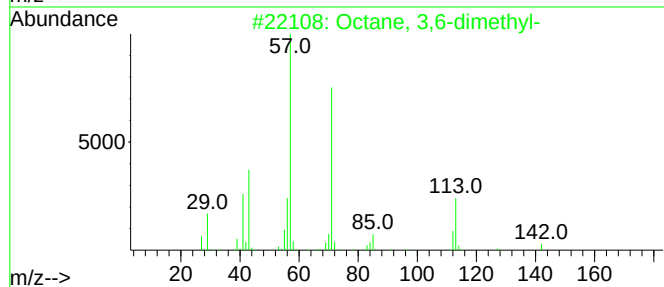
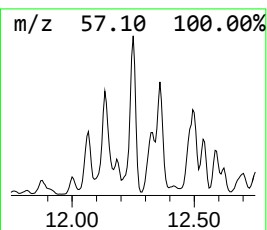
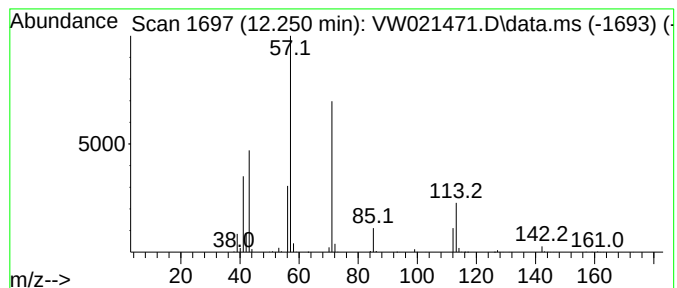
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Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.250	19.85 ug/L	403979	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
2			Nonane, 3-methyl-	142	C10H22	005911-04-6	91
3			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
4			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86
5			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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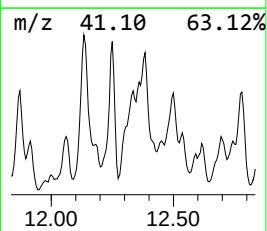
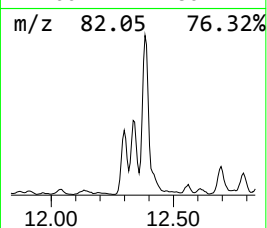
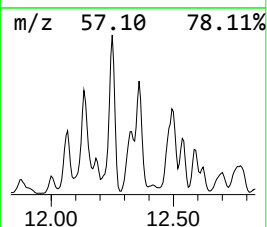
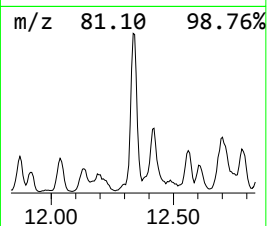
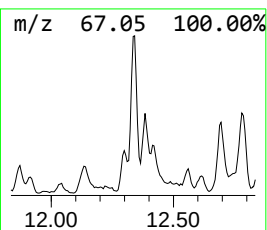
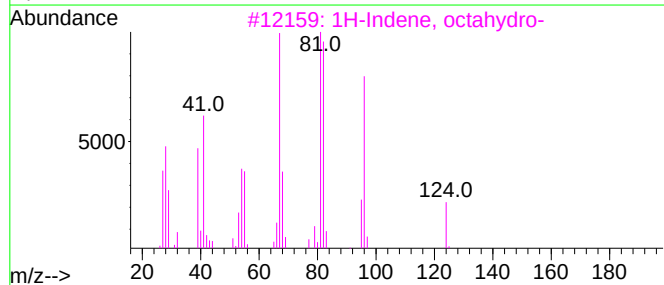
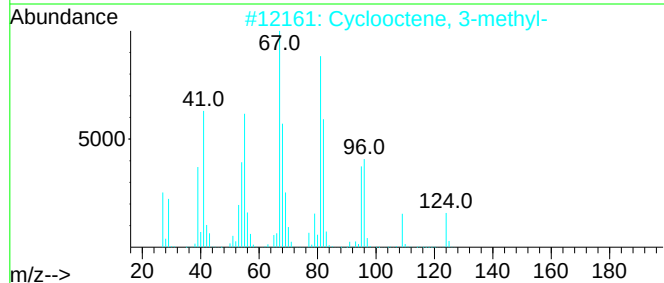
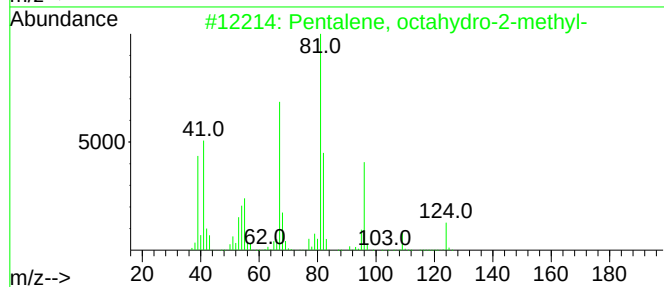
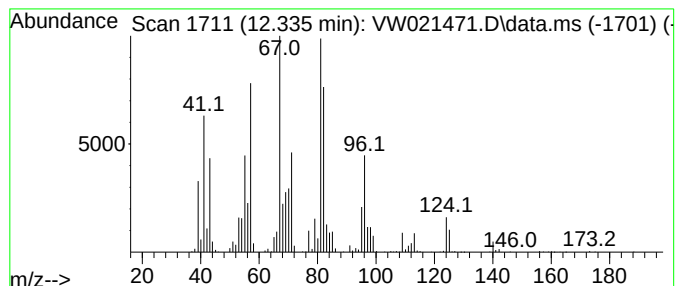
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Quant Title : SFAM01.0

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

Peak Number 22 Pentalene, octahydro-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.335	36.95 ug/L	751961	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	70
2			Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	64
3			1H-Indene, octahydro-	124	C9H16	000496-10-6	58
4			1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	52
5			6-Nonen-1-ol, (E)-	142	C9H18O	031502-19-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

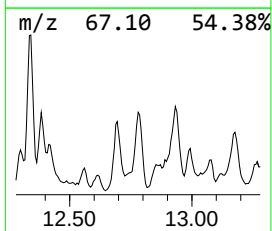
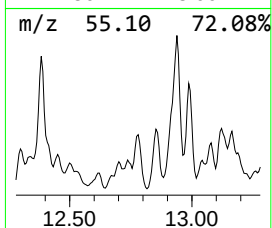
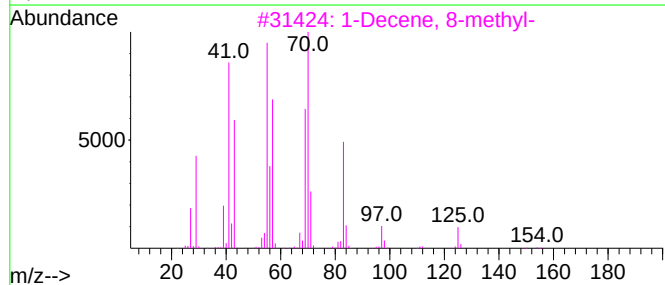
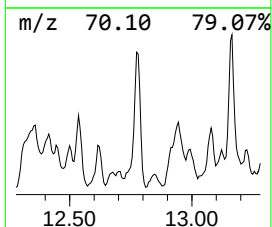
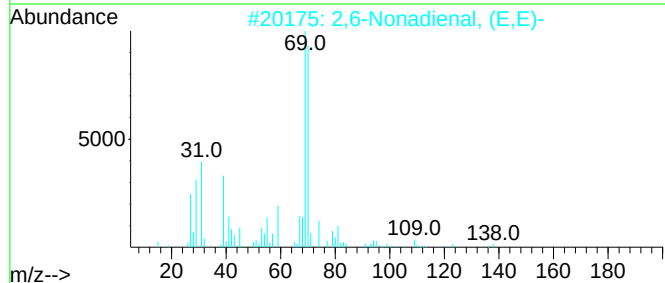
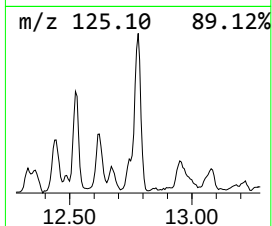
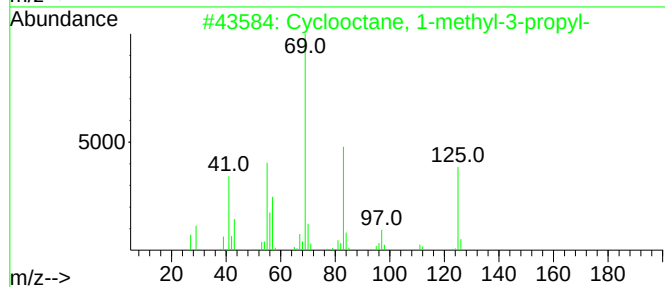
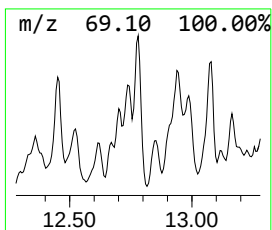
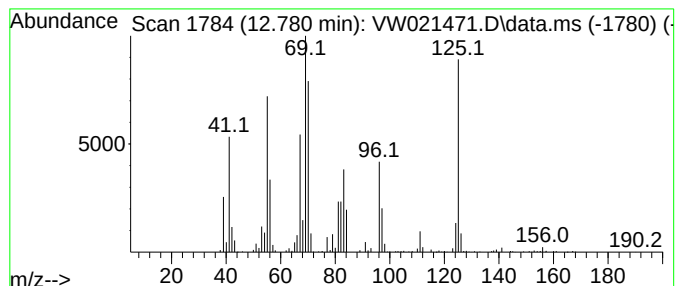
Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Cyclic12.780 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.780	28.75 ug/L	455650	1,4-Dichlorobenzene-d4			13.554
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclooctane, 1-methyl-3-propyl-		168	C12H24	255885-37-1	38
2	2,6-Nonadienal, (E,E)-		138	C9H14O	017587-33-6	27
3	1-Decene, 8-methyl-		154	C11H22	061142-79-8	25
4	1-Undecene, 9-methyl-		168	C12H24	074630-41-4	25
5	1-Hexene, 3,3,5-trimethyl-		126	C9H18	013427-43-5	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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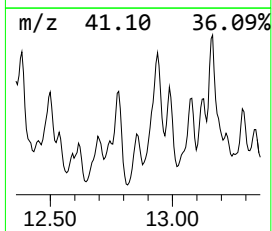
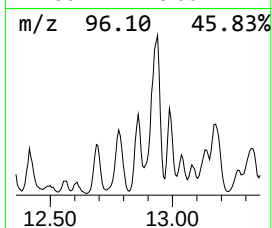
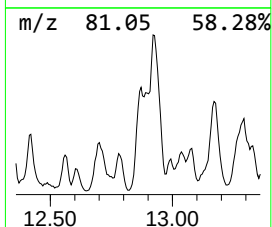
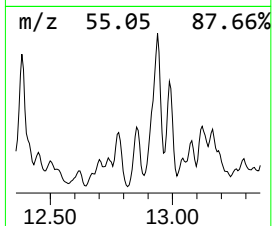
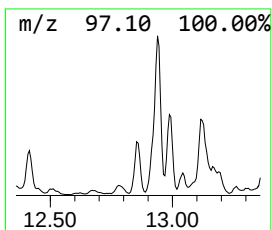
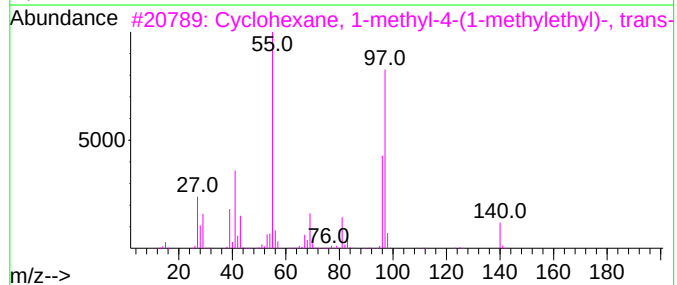
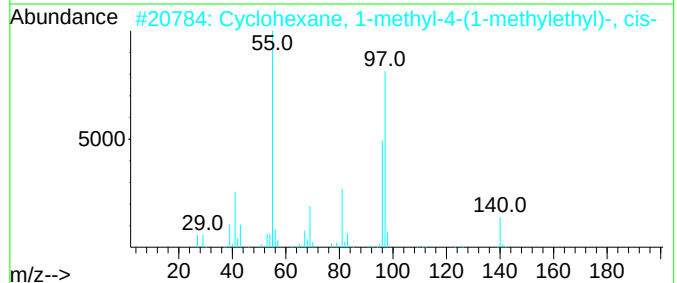
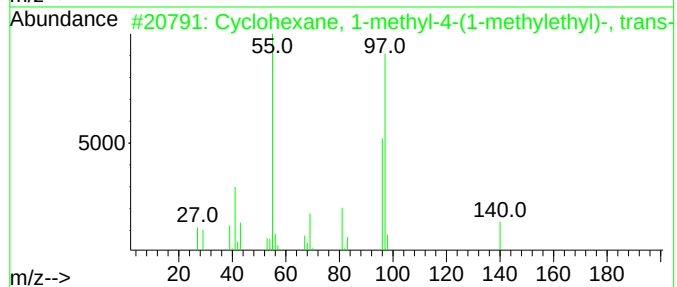
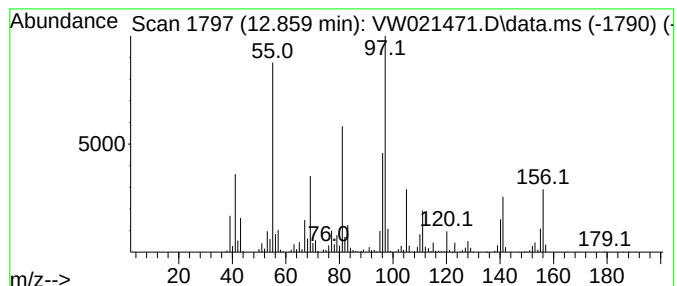
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Quant Title : SFAM01.0

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

Peak Number 24 (DEL) Alkane: Cyclic12.859 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	27.19 ug/L	430977	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	53
2			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	53
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	49
4			m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	47
5			Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

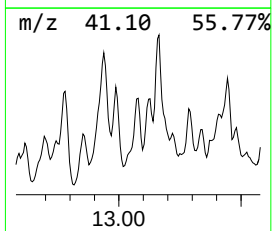
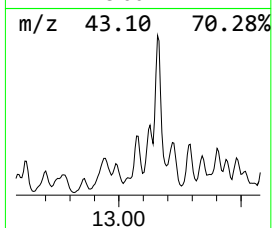
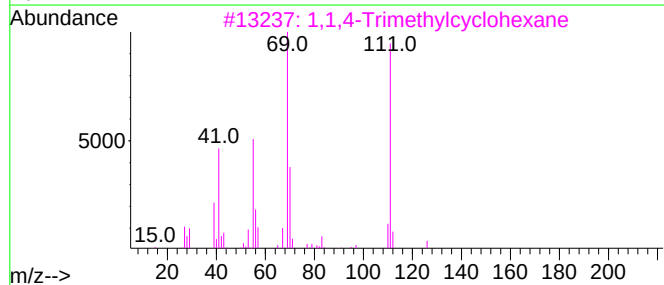
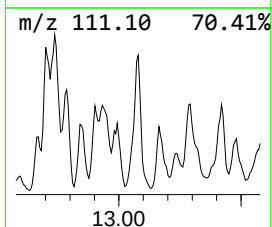
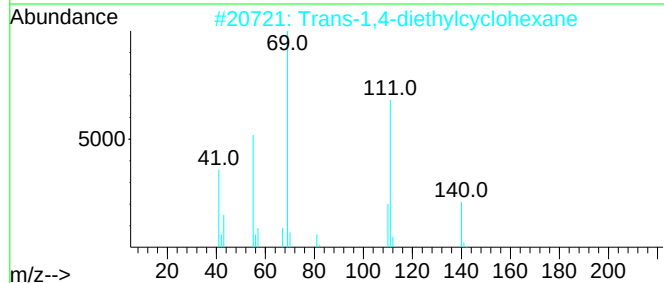
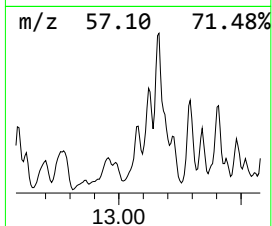
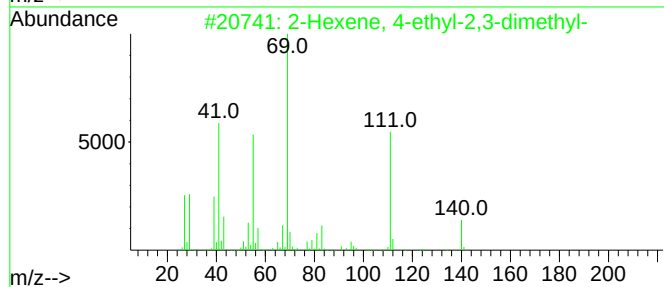
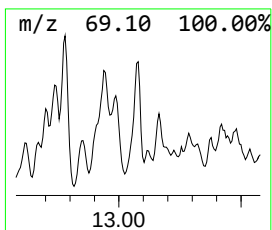
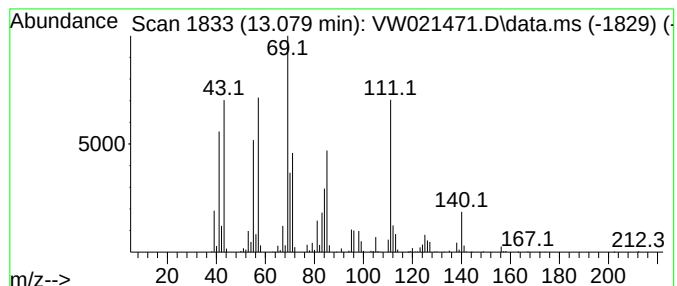
Instrument :
MSVOA_W
ClientSampleId :
BGL95

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Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.079	14.76 ug/L	233904	1,4-Dichlorobenzene-d4	13.554	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	46
2	Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	43
3	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	43
4	3-Ethyl-6-heptafluorobutyryloxyo...	354	C14H21F7O2	1000215-97-4	38
5	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL95

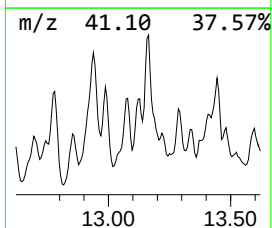
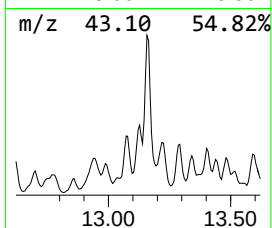
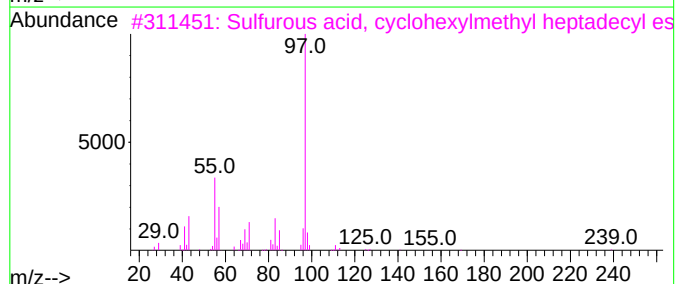
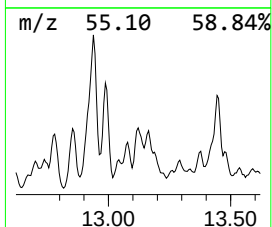
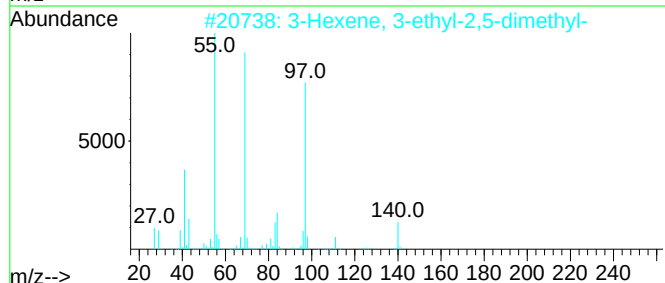
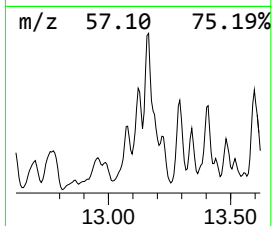
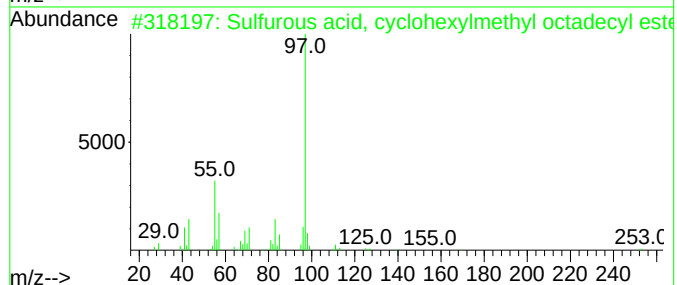
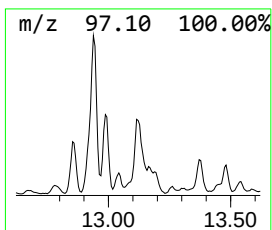
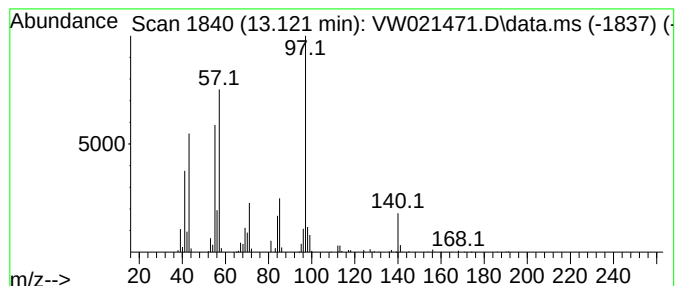
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Quant Title : SFAM01.0

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

Peak Number 26 Sulfurous acid, cyclohexylm... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.121	13.76 ug/L	218058	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	53
2			3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	47
3			Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	47
4			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	46
5			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL95

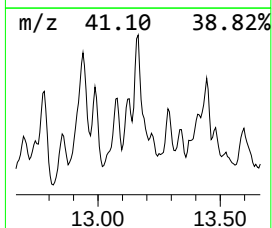
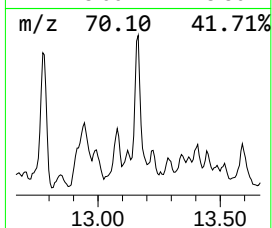
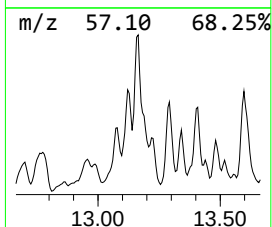
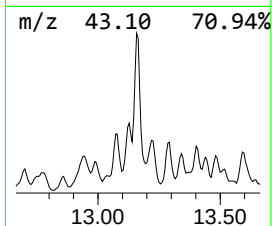
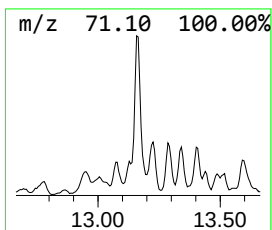
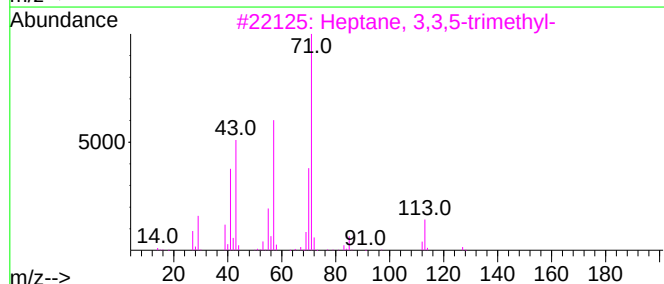
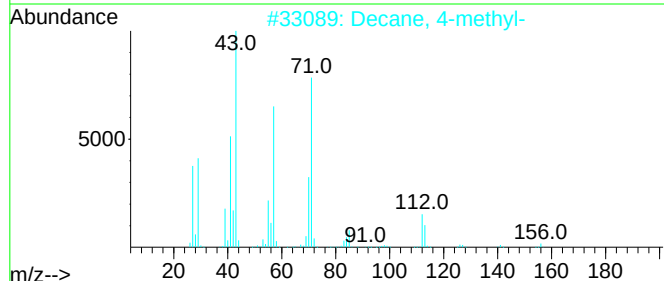
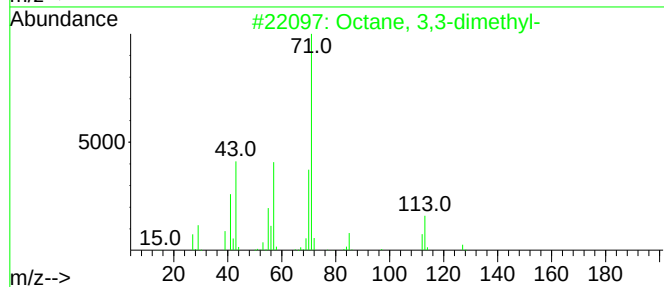
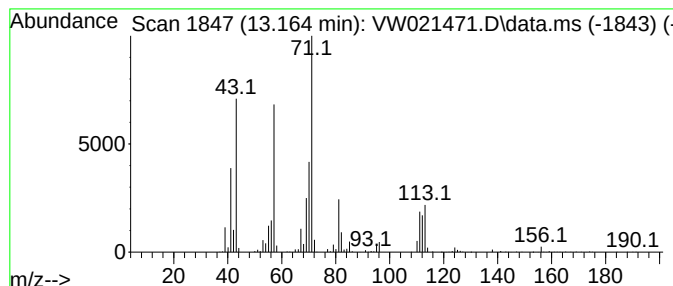
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Quant Title : SFAM01.0

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

Peak Number 27 (DEL) Alkane: Straight-13.164 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	33.49 ug/L	530923	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
2			Decane, 4-methyl-	156	C11H24	002847-72-5	64
3			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
4			Decane, 4-methyl-	156	C11H24	002847-72-5	64
5			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

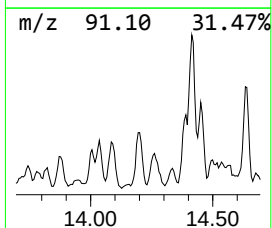
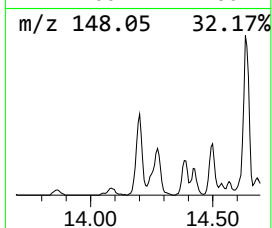
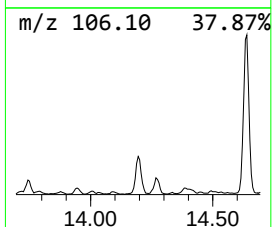
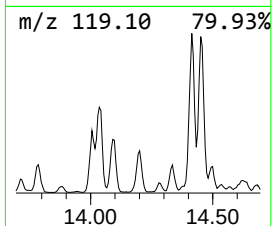
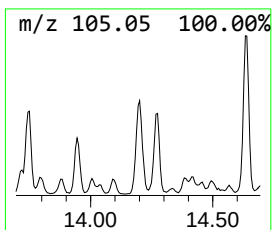
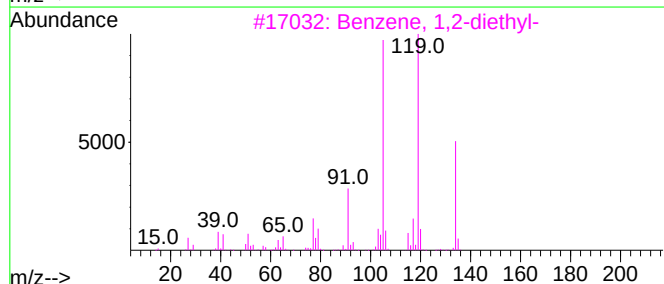
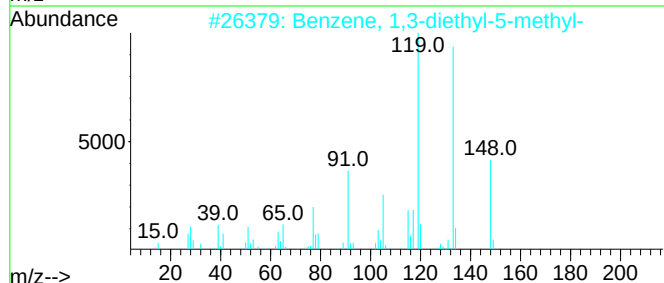
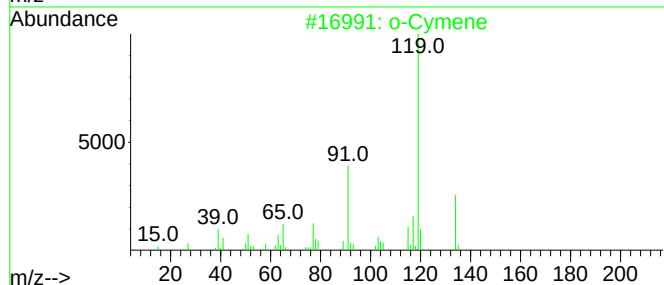
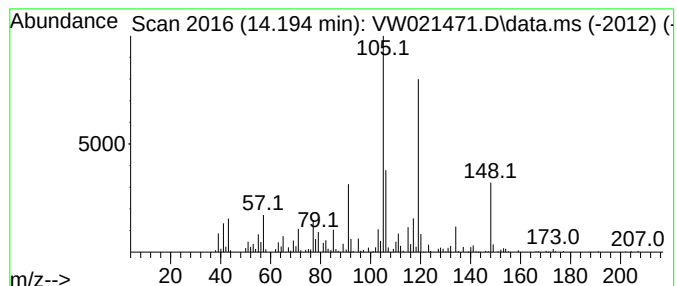
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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

Peak Number 28 o-Cymene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.194	10.10 ug/L	160026	1,4-Dichlorobenzene-d4			13.554
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	o-Cymene		134	C10H14	000527-84-4	90
2	Benzene, 1,3-diethyl-5-methyl-		148	C11H16	002050-24-0	89
3	Benzene, 1,2-diethyl-		134	C10H14	000135-01-3	70
4	Benzene, 4-ethyl-1,2-dimethyl-		134	C10H14	000934-80-5	64
5	1,3,5-Cycloheptatriene, 3,7,7-tr...		134	C10H14	003479-89-8	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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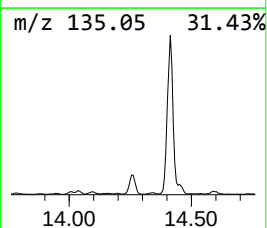
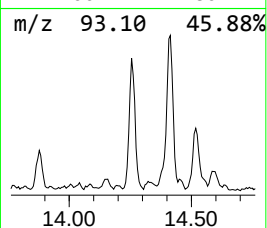
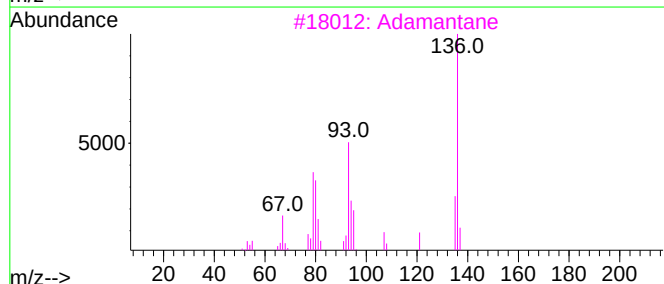
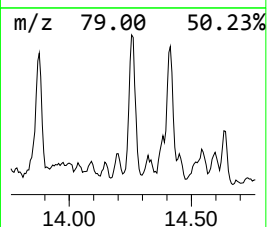
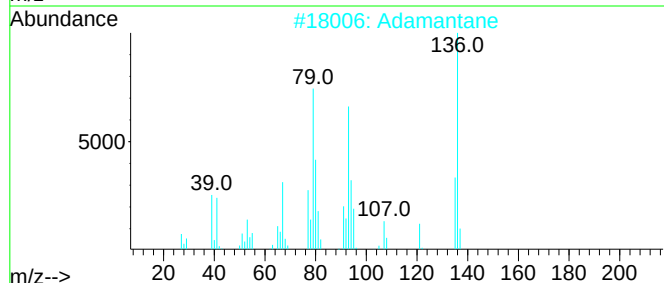
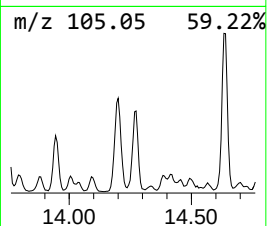
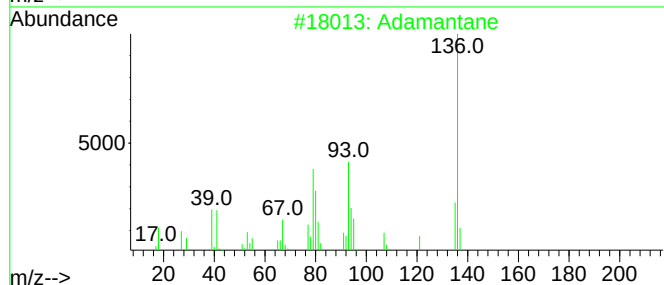
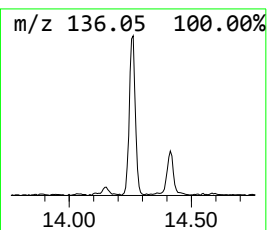
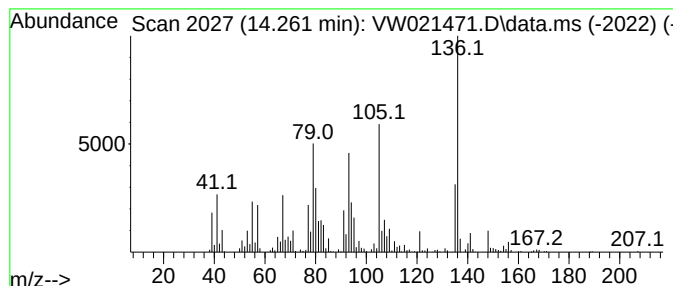
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Quant Title : SFAM01.0

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

Peak Number 29 Adamantane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.261	15.53 ug/L	246089	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane			136	C10H16	000281-23-2	93
2	Adamantane			136	C10H16	000281-23-2	93
3	Adamantane			136	C10H16	000281-23-2	90
4	Adamantane			136	C10H16	000281-23-2	81
5	Adamantane			136	C10H16	000281-23-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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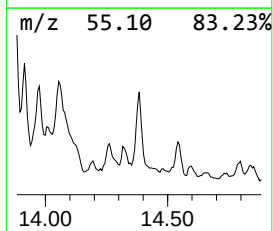
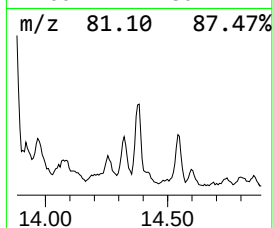
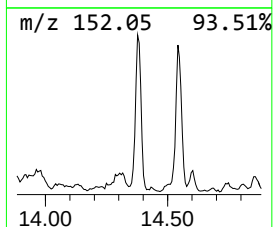
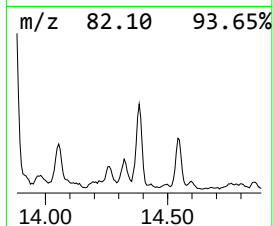
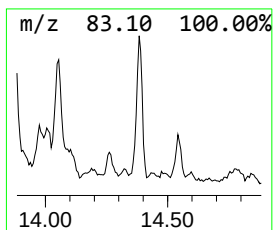
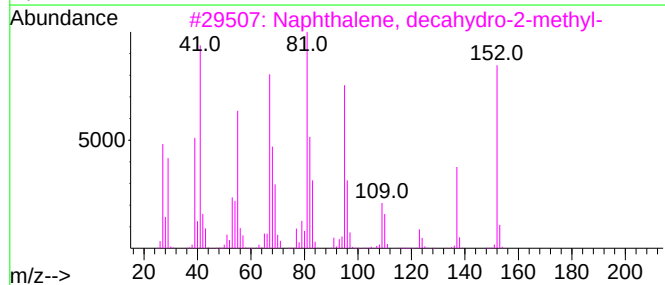
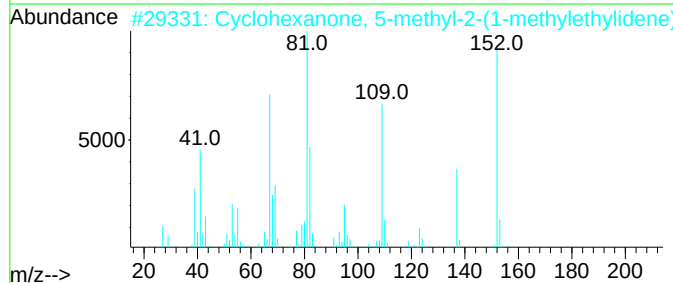
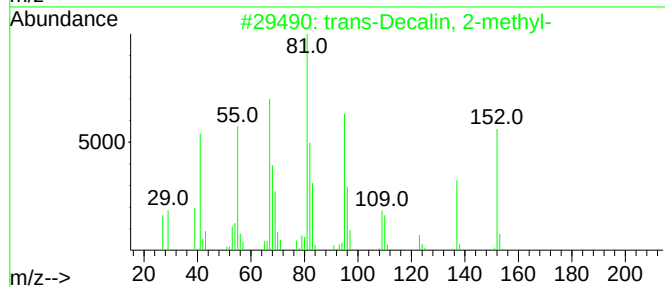
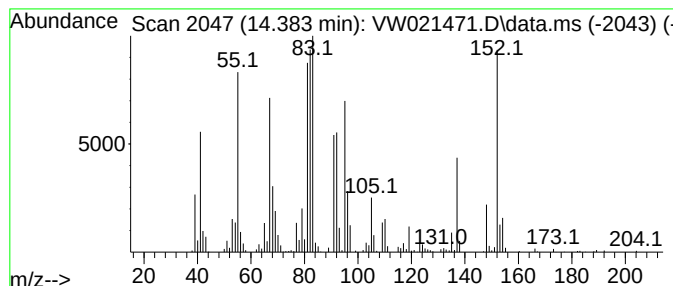
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Quant Title : SFAM01.0

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

Peak Number 30 trans-Decalin, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	13.14 ug/L	208249	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	70
2			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	49
3			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	43
4			Pulegone	152	C10H16O	000089-82-7	43
5			Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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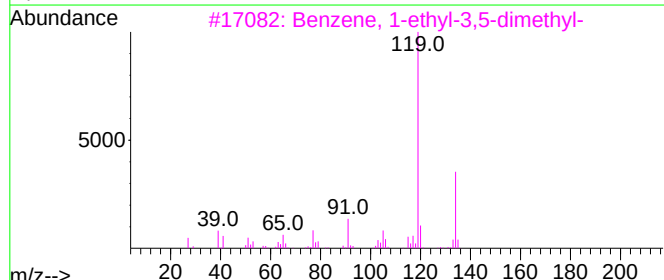
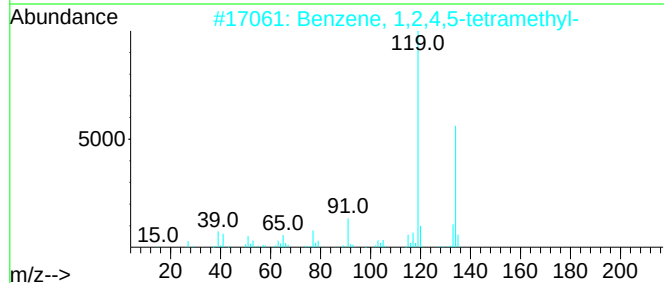
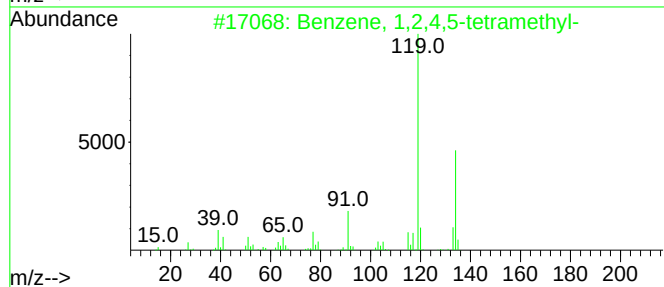
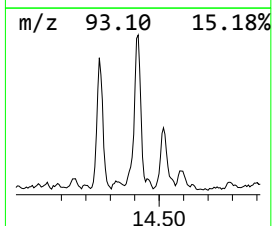
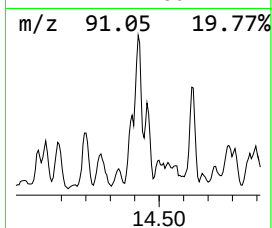
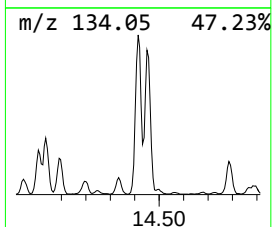
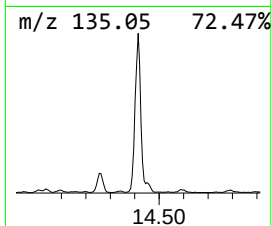
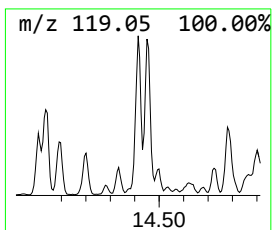
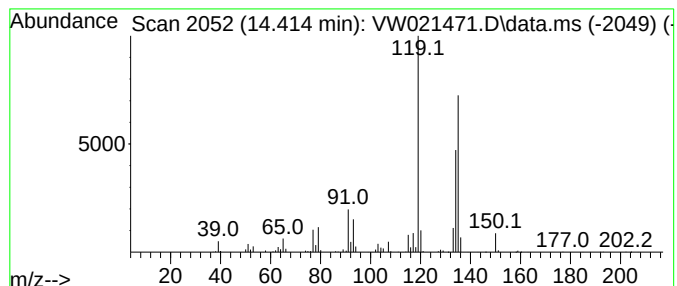
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Quant Title : SFAM01.0

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

Peak Number 31 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.414	21.06 ug/L	333849	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
2			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76
3			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76
4			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	76
5			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL95

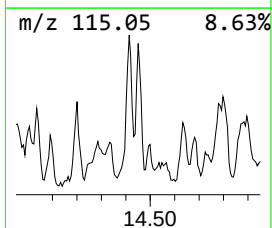
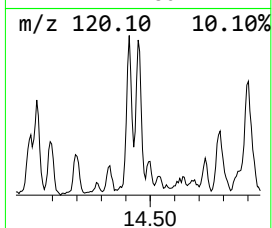
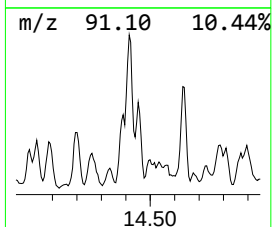
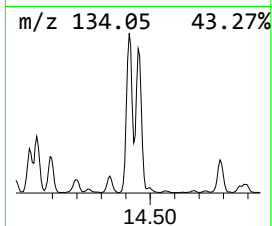
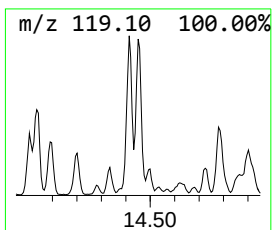
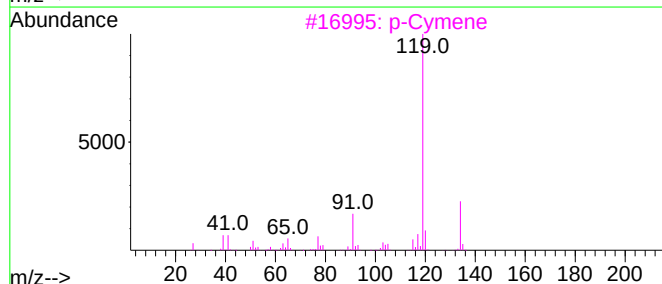
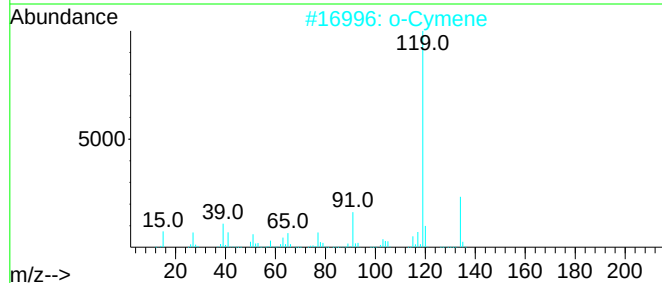
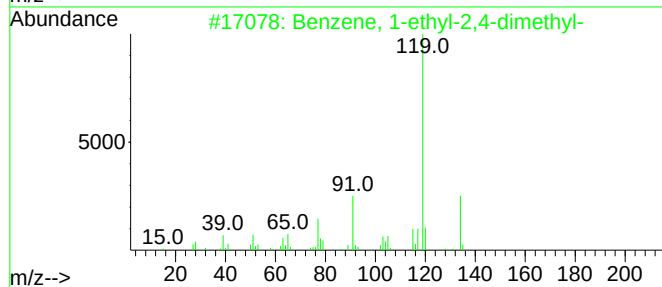
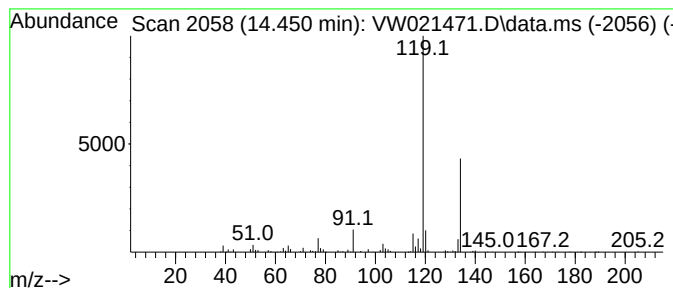
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Quant Title : SFAM01.0

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

Peak Number 32 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.450	9.13 ug/L	144782	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
2			o-Cymene	134	C10H14	000527-84-4	91
3			p-Cymene	134	C10H14	000099-87-6	91
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL95

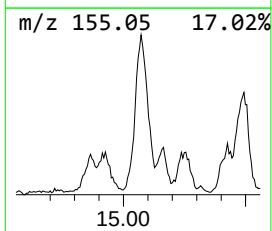
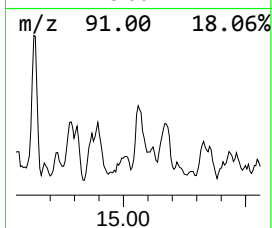
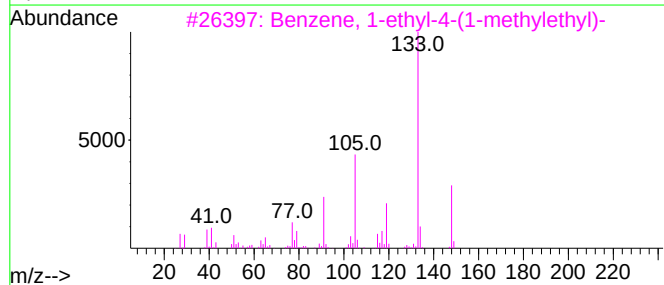
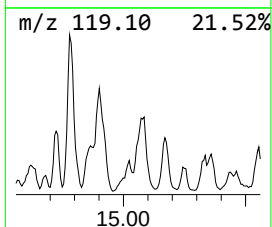
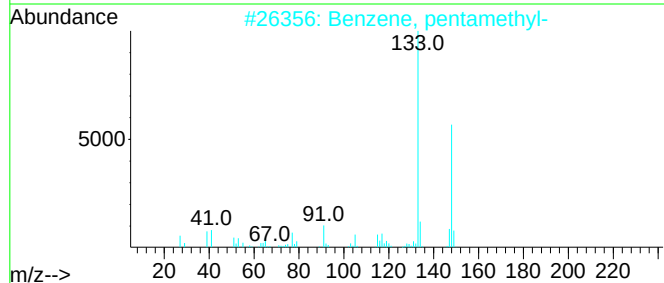
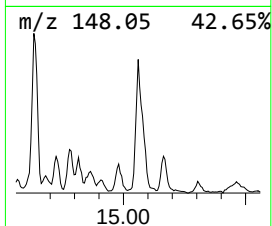
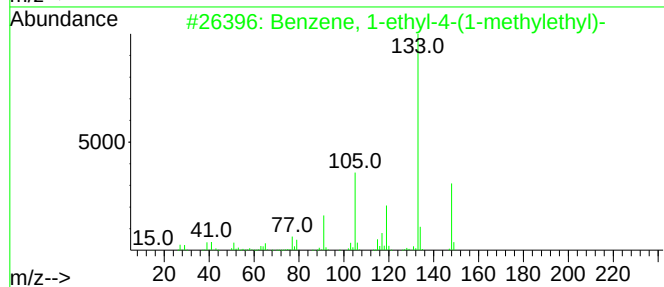
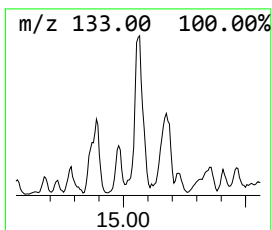
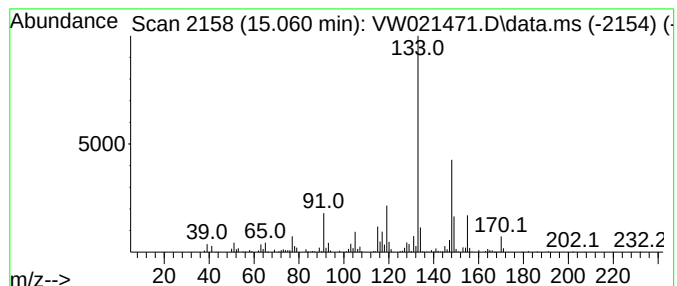
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Quant Title : SFAM01.0

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

Peak Number 34 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	10.62 ug/L	168392	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	83
2			Benzene, pentamethyl-	148	C11H16	000700-12-9	81
3			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	80
4			Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	80
5			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL95

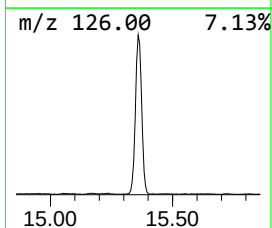
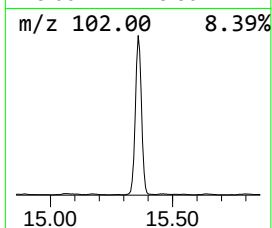
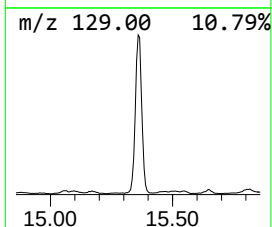
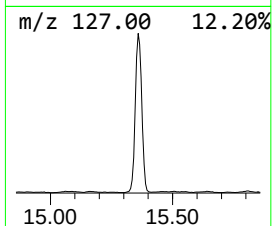
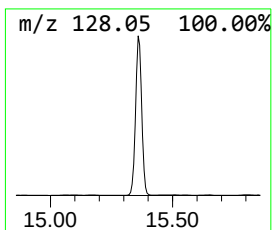
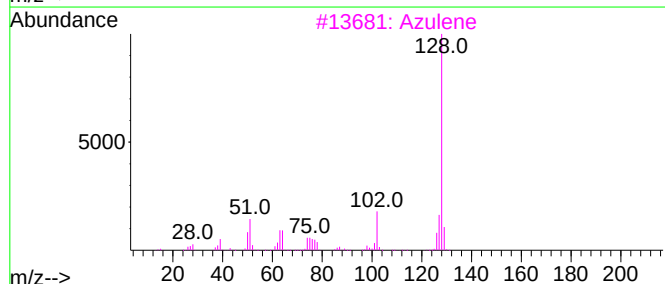
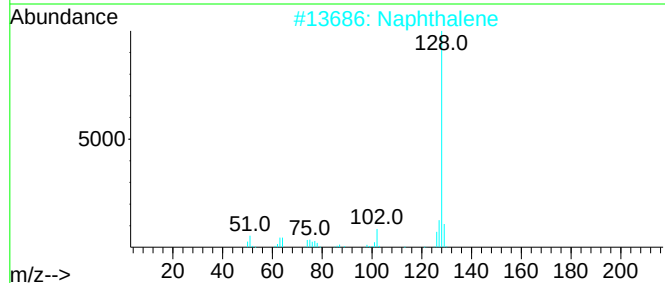
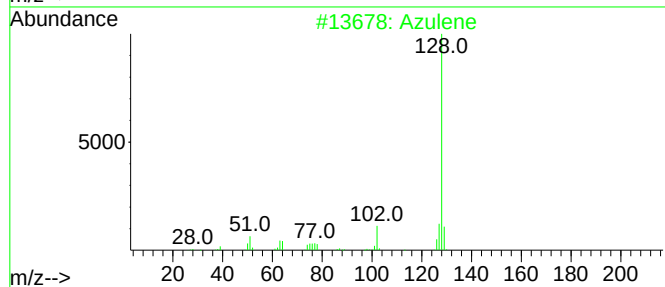
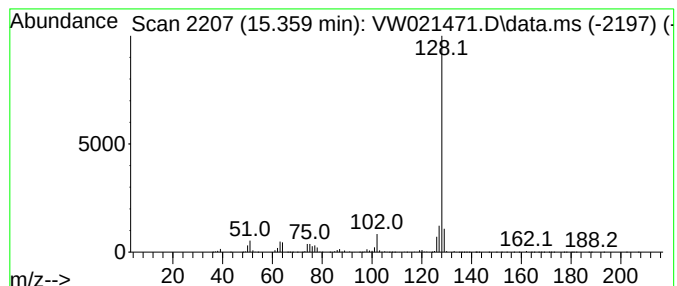
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Quant Title : SFAM01.0

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

Peak Number 35 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.359	128.16 ug/L	2031530	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Azulene	128	C10H8	000275-51-4	95
2			Naphthalene	128	C10H8	000091-20-3	95
3			Azulene	128	C10H8	000275-51-4	91
4			Naphthalene	128	C10H8	000091-20-3	91
5			1H-Indene, 1-methylene-	128	C10H8	002471-84-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021471.D
Acq On : 18 Dec 2021 13:05
Operator : SY/VA
Sample : M5154-15
Misc : 6.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL95

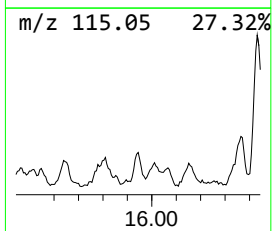
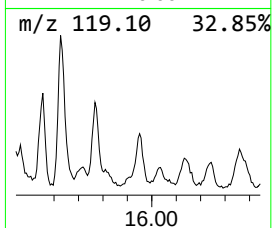
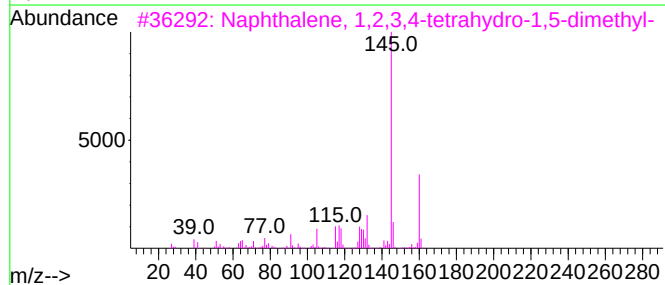
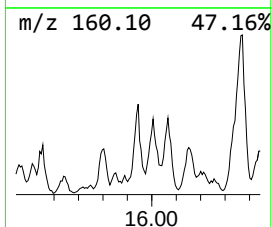
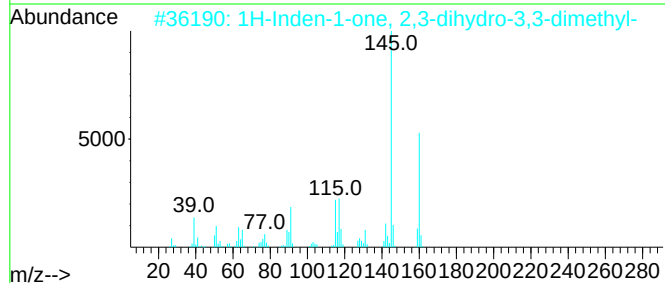
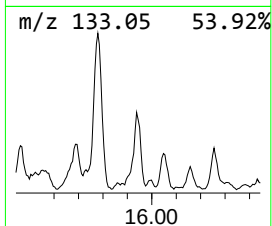
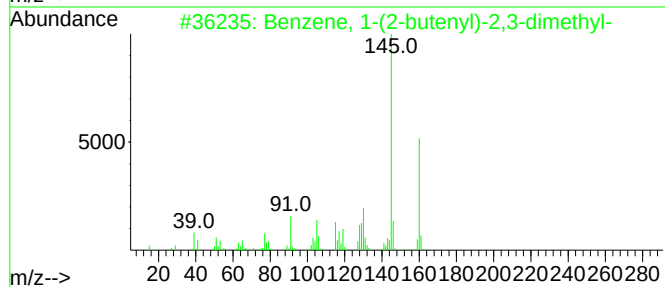
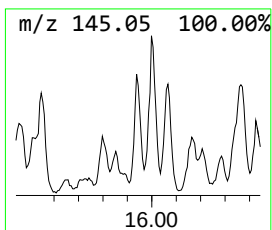
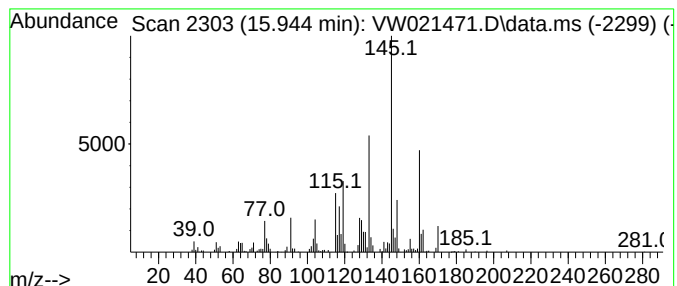
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Quant Title : SFAM01.0

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

Peak Number 36 Benzene, 1-(2-butenyl)-2,3-... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.944	6.43 ug/L	101934	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			1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	78
3			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	78
4			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	64
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
 Data File : VW021471.D
 Acq On : 18 Dec 2021 13:05
 Operator : SY/VA
 Sample : M5154-15
 Misc : 6.60g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BGL95

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
(DEL) Alkane: S...	8.476	6.6	ug/L	106441	1	8.842	403304	25.0
(DEL) Alkane: S...	9.329	2.0	ug/L	33050	1	8.842	403304	25.0
(DEL) Alkane: S...	9.384	3.4	ug/L	54725	1	8.842	403304	25.0
(DEL) Alkane: S...	9.579	1.3	ug/L	20618	1	8.842	403304	25.0
(DEL) Alkane: S...	9.756	4.4	ug/L	70687	1	8.842	403304	25.0
Pyrrolidine	9.896	5.7	ug/L	92115	1	8.842	403304	25.0
(DEL) Alkane: S...	9.988	3.2	ug/L	51225	1	8.842	403304	25.0
(DEL) Alkane: S...	10.091	6.8	ug/L	109126	1	8.842	403304	25.0
(DEL) Alkane: S...	10.250	2.4	ug/L	48566	2	11.628	508781	25.0
Sulfurous acid,...	10.847	4.1	ug/L	83491	2	11.628	508781	25.0
(DEL) Alkane: S...	11.030	4.1	ug/L	83899	2	11.628	508781	25.0
(DEL) Alkane: C...	11.110	5.8	ug/L	117589	2	11.628	508781	25.0
Cyclohexanone, ...	11.189	3.1	ug/L	62574	2	11.628	508781	25.0
(DEL) Alkane: C...	11.225	6.8	ug/L	138894	2	11.628	508781	25.0
(DEL) Alkane: S...	11.335	5.4	ug/L	109165	2	11.628	508781	25.0
(DEL) Alkane: S...	11.506	6.4	ug/L	130818	2	11.628	508781	25.0
(DEL) Alkane: S...	11.914	11.3	ug/L	229700	2	11.628	508781	25.0
(DEL) Alkane: C...	11.975	1.4	ug/L	29066	2	11.628	508781	25.0
(DEL) Alkane: S...	12.061	7.7	ug/L	156429	2	11.628	508781	25.0
(DEL) Alkane: S...	12.250	19.9	ug/L	403979	2	11.628	508781	25.0
Pentalene, octa...	12.335	37.0	ug/L	751961	2	11.628	508781	25.0
(DEL) Alkane: C...	12.780	28.8	ug/L	455650	3	13.554	396277	25.0
(DEL) Alkane: C...	12.859	27.2	ug/L	430977	3	13.554	396277	25.0
(DEL) Alkane: S...	13.079	14.8	ug/L	233904	3	13.554	396277	25.0
Sulfurous acid,...	13.121	13.8	ug/L	218058	3	13.554	396277	25.0
(DEL) Alkane: S...	13.164	33.5	ug/L	530923	3	13.554	396277	25.0
o-Cymene	14.194	10.1	ug/L	160026	3	13.554	396277	25.0
Adamantane	14.261	15.5	ug/L	246089	3	13.554	396277	25.0
trans-Decalin, ...	14.383	13.1	ug/L	208249	3	13.554	396277	25.0
Benzene, 1,2,4,...	14.414	21.1	ug/L	333849	3	13.554	396277	25.0
Benzene, 1-ethy...	14.450	9.1	ug/L	144782	3	13.554	396277	25.0
Benzene, 1-ethy...	15.060	10.6	ug/L	168392	3	13.554	396277	25.0
Azulene	15.359	128.2	ug/L	2031530	3	13.554	396277	25.0
Benzene, 1-(2-b...	15.944	6.4	ug/L	101934	3	13.554	396277	25.0