

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
 Data File : VW019900.D
 Acq On : 25 Aug 2021 17:36
 Operator : SY/VA
 Sample : M3526-13
 Misc : 5.70g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW7C3

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\SFAMWLM081821SMA.M
 Title : SFAM01.0

Signal : TIC: VW019900.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.361	69	75	88	rBV	126185	263550	7.11%	0.481%
2	2.898	156	163	177	rVB	94437	239455	6.46%	0.437%
3	3.239	217	219	222	rVB3	545	549	0.01%	0.001%
4	3.398	244	245	248	rVB2	377	309	0.01%	0.001%
5	3.489	257	260	263	rVV2	281	338	0.01%	0.001%
6	3.690	288	293	298	rBV4	1042	2141	0.06%	0.004%
7	3.739	298	301	303	rVB3	390	478	0.01%	0.001%
8	4.025	335	348	363	rBV	180455	564989	15.25%	1.032%
9	4.379	401	406	407	rBV	881	899	0.02%	0.002%
10	4.696	456	458	460	rVB3	309	281	0.01%	0.001%
11	4.714	460	461	466	rBV2	215	293	0.01%	0.001%
12	4.922	483	495	510	rBV2	28402	104682	2.82%	0.191%
13	5.208	538	542	543	rBV2	320	344	0.01%	0.001%
14	5.354	561	566	567	rVB2	214	268	0.01%	0.000%
15	5.714	620	625	628	rVB	224	278	0.01%	0.001%
16	5.787	631	637	642	rBV4	790	2058	0.06%	0.004%
17	5.952	654	664	673	rBV3	8542	25416	0.69%	0.046%
18	6.495	748	753	754	rBV2	236	362	0.01%	0.001%
19	6.720	786	790	791	rBV2	485	541	0.01%	0.001%
20	6.885	808	817	822	rBV3	1313	3125	0.08%	0.006%
21	7.086	841	850	874	rBV2	33691	105176	2.84%	0.192%
22	7.244	874	876	877	rVV2	437	337	0.01%	0.001%
23	7.293	881	884	887	rBV2	358	439	0.01%	0.001%
24	7.549	922	926	932	rVB4	532	853	0.02%	0.002%
25	7.653	932	943	959	rBV	272099	668569	18.04%	1.221%
26	7.775	962	963	966	rVB	587	473	0.01%	0.001%
27	7.891	974	982	983	rBV3	457	814	0.02%	0.001%
28	7.945	989	991	997	rVB2	997	1525	0.04%	0.003%
29	8.037	997	1006	1018	rBV3	13149	34247	0.92%	0.063%
30	8.153	1024	1025	1029	rBV	311	305	0.01%	0.001%
31	8.281	1029	1046	1062	rVV2	554743	1602223	43.24%	2.927%
32	8.427	1062	1070	1079	rVV3	11085	30942	0.84%	0.057%
33	8.512	1079	1084	1088	rVV6	2699	5978	0.16%	0.011%
34	8.580	1089	1095	1106	rVV8	4408	11983	0.32%	0.022%
35	8.689	1110	1113	1118	rVB5	770	1394	0.04%	0.003%
36	8.842	1129	1138	1149	rBV	528050	1081967	29.20%	1.977%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
 Title : SFAM01.0

37	8.994	1160	1163	1168	rBV3	432	637	0.02%	0.001%
38	9.079	1171	1177	1182	rBV5	2741	6049	0.16%	0.011%
39	9.153	1183	1189	1197	rVB3	3253	7364	0.20%	0.013%
40	9.281	1200	1210	1223	rBV2	385056	1089440	29.40%	1.990%
41	9.384	1223	1227	1237	rVB2	41541	80670	2.18%	0.147%
42	9.470	1237	1241	1252	rVB5	2893	7222	0.19%	0.013%
43	9.610	1252	1264	1279	rBV	281799	601029	16.22%	1.098%
44	9.756	1280	1288	1300	rVB	184768	379965	10.25%	0.694%
45	9.902	1302	1312	1314	rBV3	17429	38670	1.04%	0.071%
46	9.945	1314	1319	1326	rVB	99909	183661	4.96%	0.336%
47	10.037	1326	1334	1338	rBV	195379	378973	10.23%	0.692%
48	10.085	1338	1342	1356	rVB2	199728	431221	11.64%	0.788%
49	10.213	1357	1363	1366	rBV2	83401	175015	4.72%	0.320%
50	10.323	1374	1381	1396	rBV2	969339	1829452	49.37%	3.342%
51	10.445	1399	1401	1403	rVV2	11949	14984	0.40%	0.027%
52	10.494	1403	1409	1418	rVB4	261676	641177	17.30%	1.171%
53	10.579	1418	1423	1426	rBV	144564	271410	7.32%	0.496%
54	10.622	1426	1430	1433	rVV	331620	609906	16.46%	1.114%
55	10.665	1433	1437	1445	rVV	1113225	1964441	53.01%	3.589%
56	10.762	1445	1453	1458	rVV4	347120	846398	22.84%	1.546%
57	10.811	1458	1461	1464	rVV	102560	170533	4.60%	0.312%
58	10.847	1465	1467	1472	rVB3	82693	111808	3.02%	0.204%
59	10.927	1472	1480	1488	rBV3	158213	402753	10.87%	0.736%
60	11.030	1488	1497	1506	rBV5	196187	611932	16.51%	1.118%
61	11.116	1506	1511	1512	rVV	167727	262480	7.08%	0.480%
62	11.146	1512	1516	1522	rVV	399213	734244	19.81%	1.341%
63	11.231	1522	1530	1536	rVV	1919663	3705619	100.00%	6.770%
64	11.286	1536	1539	1542	rVV2	364209	582544	15.72%	1.064%
65	11.329	1542	1546	1552	rVV2	581367	1074692	29.00%	1.963%
66	11.384	1552	1555	1558	rVV	62948	93039	2.51%	0.170%
67	11.439	1558	1564	1572	rVB	905155	1633930	44.09%	2.985%
68	11.561	1581	1584	1590	rBV5	50426	102116	2.76%	0.187%
69	11.634	1590	1596	1600	rBV	710852	1253337	33.82%	2.290%
70	11.725	1608	1611	1614	rBV	128028	163960	4.42%	0.300%
71	11.768	1614	1618	1622	rVB	564388	819901	22.13%	1.498%
72	11.817	1622	1626	1630	rBV4	199869	299611	8.09%	0.547%
73	11.896	1630	1639	1647	rVB5	497490	1924225	51.93%	3.515%
74	11.975	1647	1652	1658	rBV3	240860	496231	13.39%	0.907%
75	12.036	1658	1662	1671	rVB	265144	523230	14.12%	0.956%
76	12.140	1672	1679	1686	rBV2	1174492	2546672	68.72%	4.653%

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77	12.304	1700	1706	1707	rBV3	343658	560787	15.13%	1.025%
78	12.341	1707	1712	1714	rBV	908984	1535206	41.43%	2.805%
79	12.420	1721	1725	1727	rBV	259623	390216	10.53%	0.713%
80	12.615	1752	1757	1762	rVB3	158364	284074	7.67%	0.519%
81	12.695	1763	1770	1775	rBV4	754241	1518127	40.97%	2.774%
82	12.780	1779	1784	1790	rVB2	1584134	2752689	74.28%	5.029%
83	12.859	1791	1797	1802	rBV5	392266	975468	26.32%	1.782%
84	12.932	1805	1809	1817	rVB5	350770	1009706	27.25%	1.845%
85	13.079	1830	1833	1837	rVB3	276031	379396	10.24%	0.693%
86	13.121	1837	1840	1843	rVB2	138287	164747	4.45%	0.301%
87	13.170	1843	1848	1859	rVB6	529266	1368143	36.92%	2.500%
88	13.292	1860	1868	1873	rBV4	346287	1006631	27.16%	1.839%
89	13.554	1907	1911	1919	rVB	629645	1133358	30.58%	2.071%
90	13.694	1931	1934	1938	rVB2	309542	442737	11.95%	0.809%
91	13.877	1956	1964	1970	rVB3	1246673	2751186	74.24%	5.026%
92	14.182	2011	2014	2023	rBV3	206488	416397	11.24%	0.761%
93	14.268	2024	2028	2033	rVB4	264712	463417	12.51%	0.847%
94	14.316	2033	2036	2039	rBV3	187860	297937	8.04%	0.544%
95	14.383	2043	2047	2051	rVB2	578444	863306	23.30%	1.577%
96	14.548	2069	2074	2079	rVB4	564508	944249	25.48%	1.725%
97	14.804	2113	2116	2119	rBV	354994	569026	15.36%	1.040%
98	15.103	2161	2165	2171	rBV2	371100	819665	22.12%	1.497%
99	15.322	2197	2201	2208	rVB	848762	1406706	37.96%	2.570%
100	16.279	2354	2358	2366	rVB	475792	855332	23.08%	1.563%

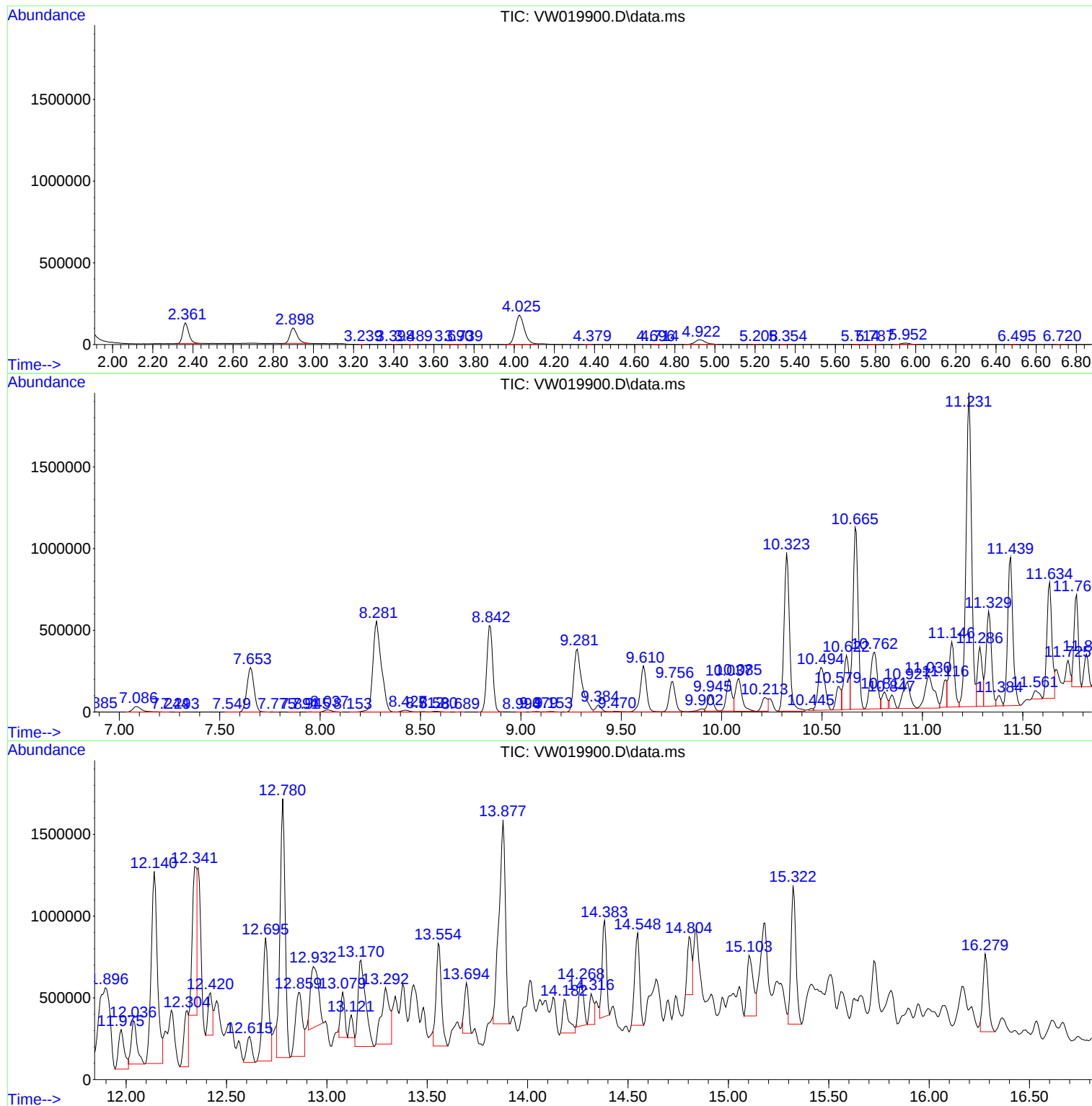
Sum of corrected areas: 54736628

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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



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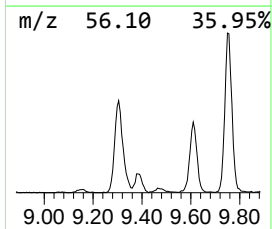
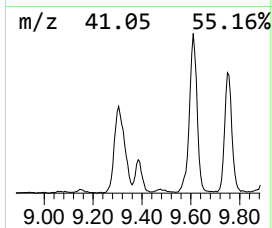
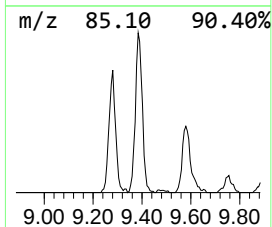
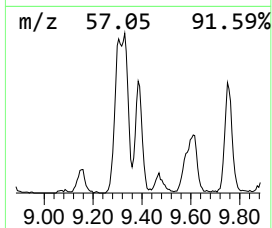
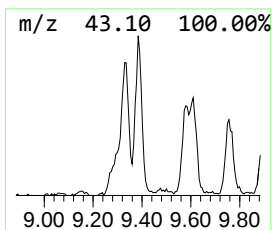
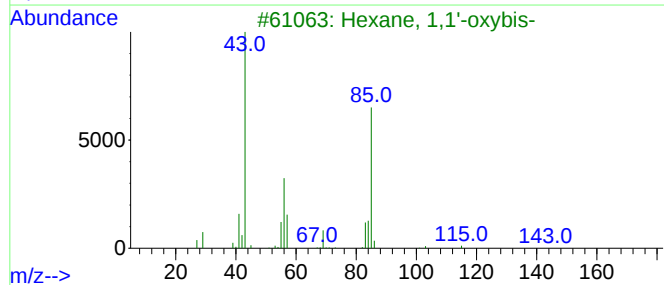
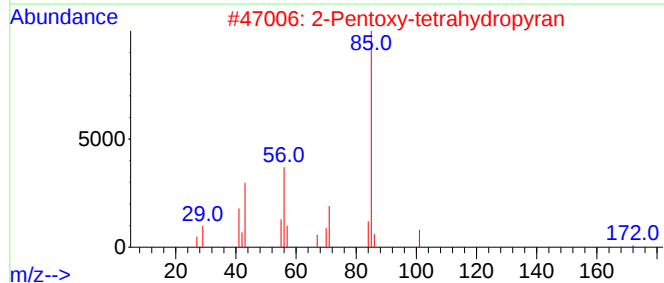
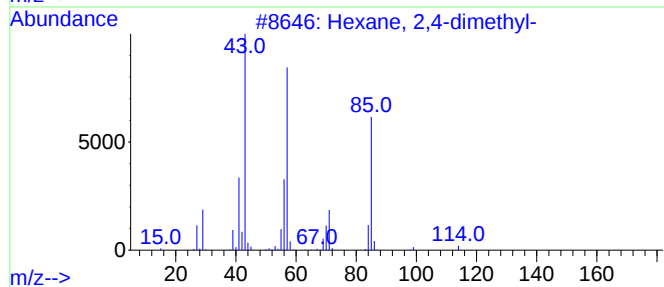
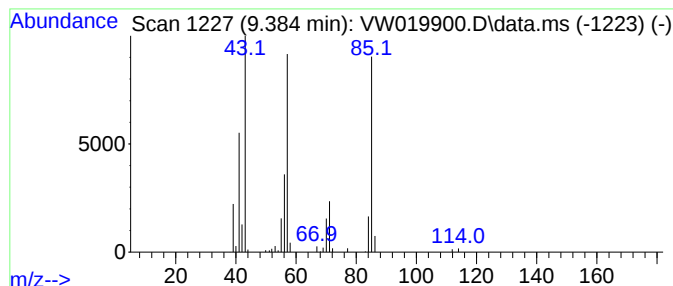
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.384	1.86 ug/L	80670	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		2-Pentoxo-tetrahydropyran	172	C10H20O2	032767-70-7	64
3		Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	59
4		Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	59
5		Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	59



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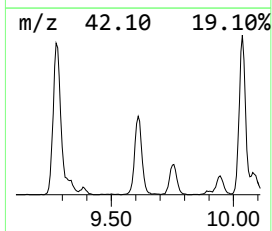
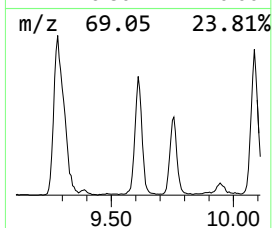
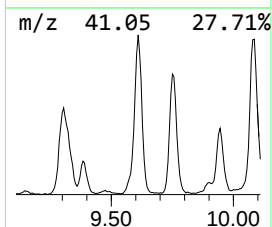
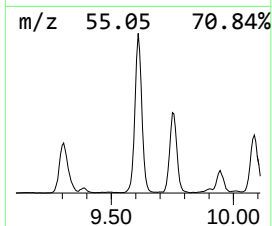
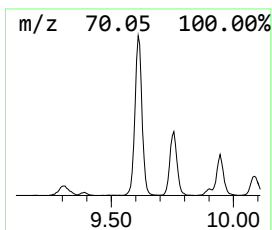
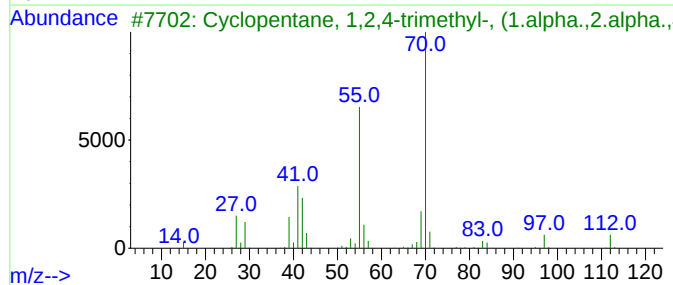
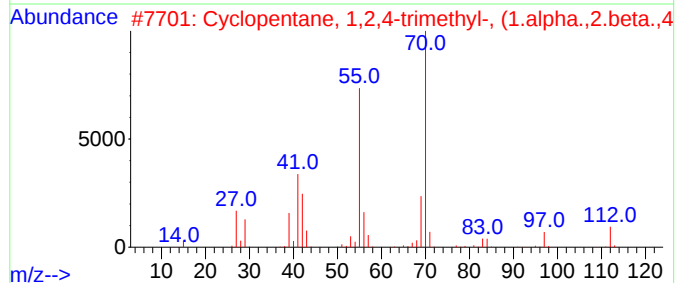
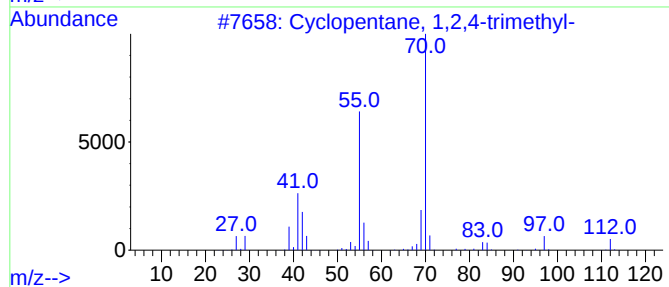
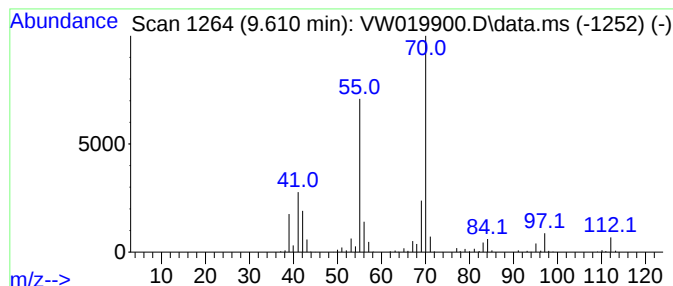
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Cyclic9.610 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.610	13.89 ug/L	601029	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
2			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	91
3			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	91
4			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	87
5			Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	86



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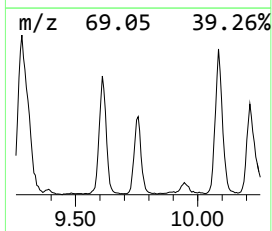
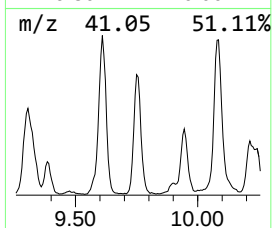
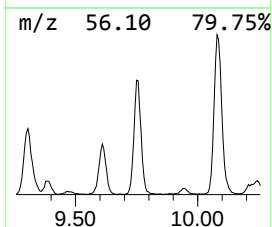
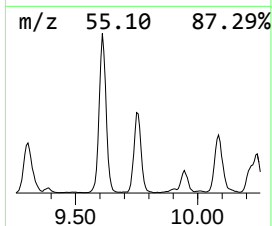
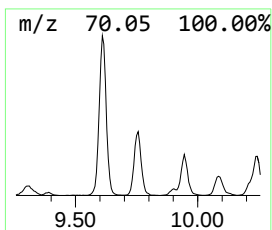
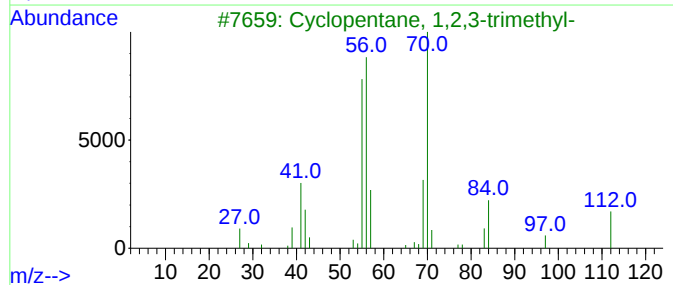
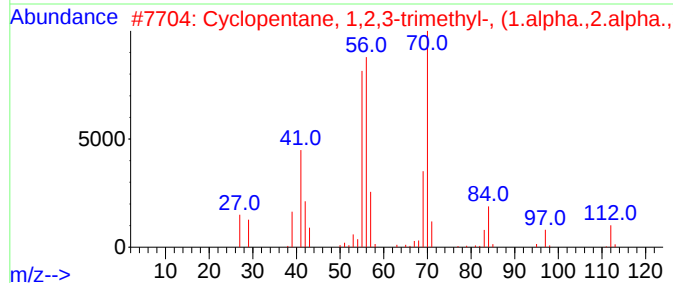
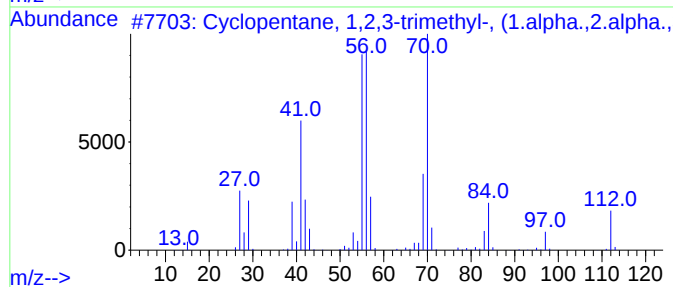
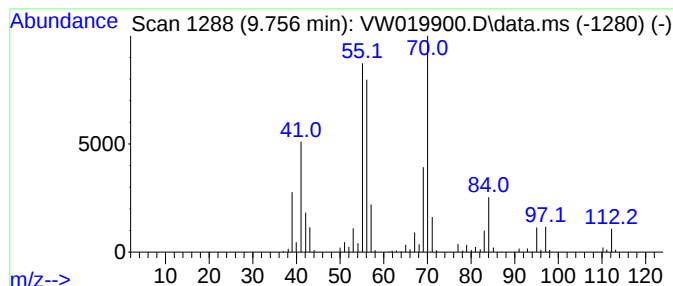
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Cyclic9.756 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.756	8.78 ug/L	379965	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	91
2			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
3			Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	87
4			1-Heptene, 3-methyl-	112	C8H16	004810-09-7	81
5			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

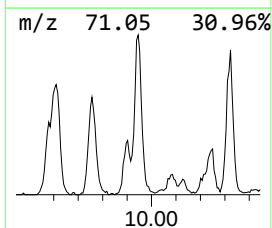
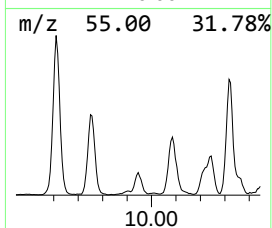
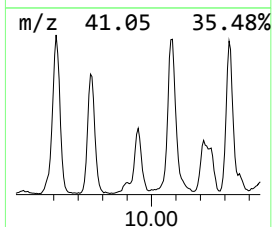
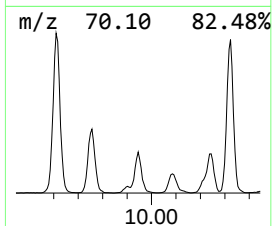
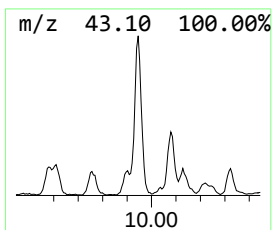
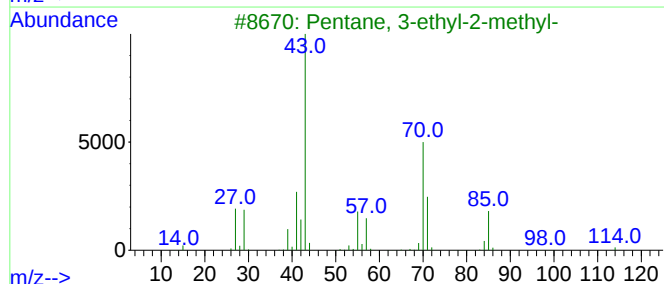
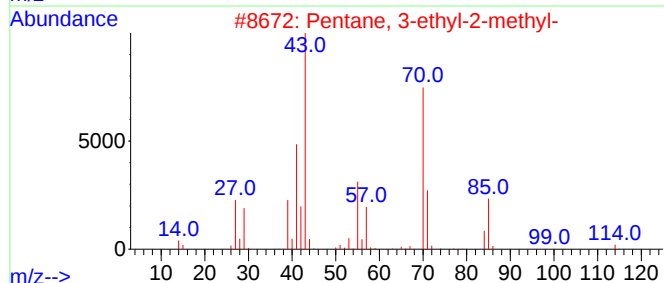
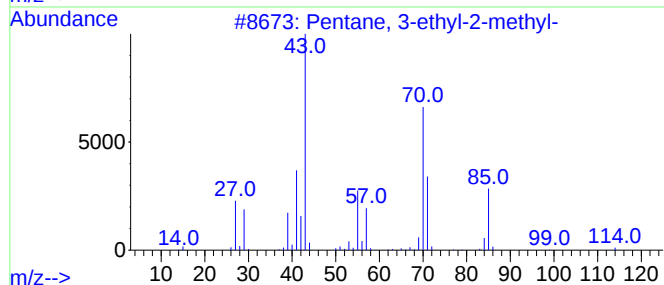
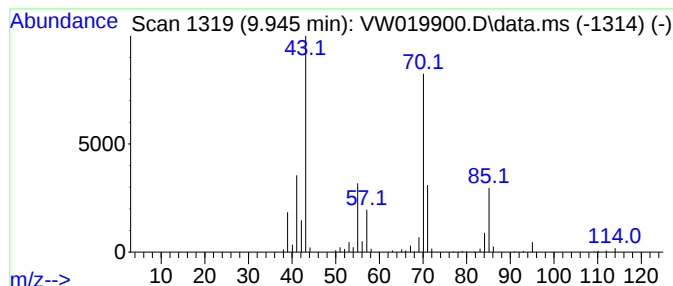
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.945	4.24 ug/L	183661	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	95
2			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	90
3			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	81
4			Acetoacetic acid isoamyl ester	172	C9H16O3	002308-18-1	74
5			Butanoic acid, 3-methyl-, 3-meth...	172	C10H20O2	000659-70-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

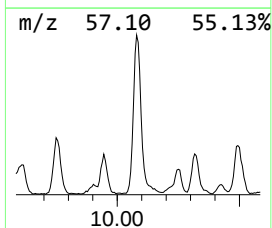
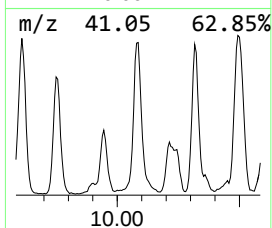
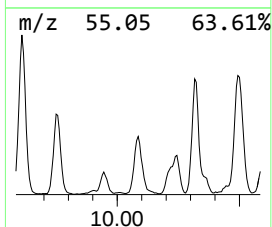
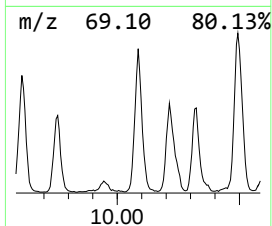
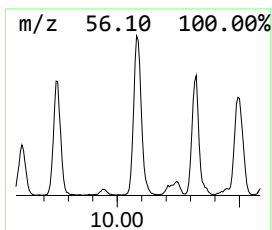
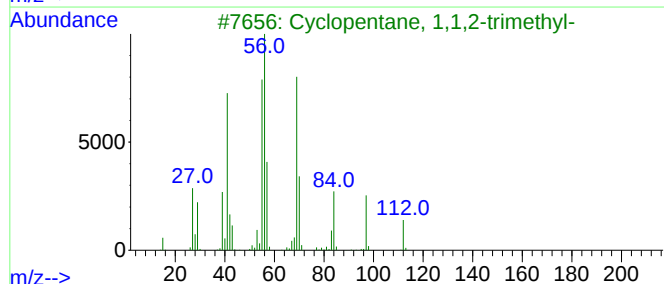
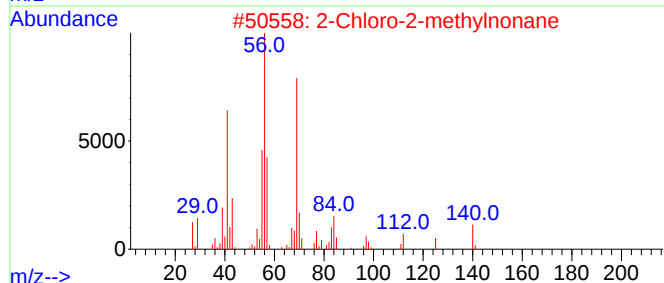
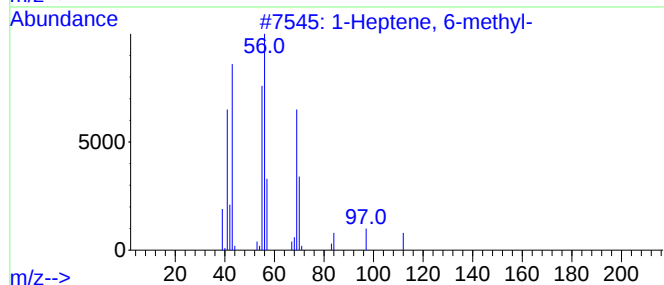
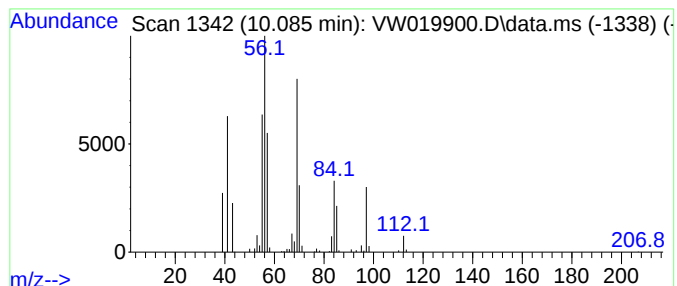
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MSVOA_W
ClientSampleId :
EW7C3

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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.085	9.96 ug/L	431221	1,4-Difluorobenzene	8.842	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene, 6-methyl-	112	C8H16	005026-76-6	59
2	2-Chloro-2-methylnonane	176	C10H21Cl	004325-50-2	59
3	Cyclopentane, 1,1,2-trimethyl-	112	C8H16	004259-00-1	58
4	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	50
5	4-Methyl-2-heptene	112	C8H16	003404-56-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

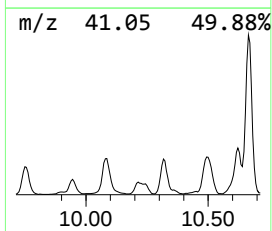
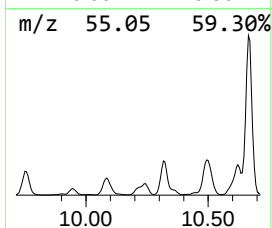
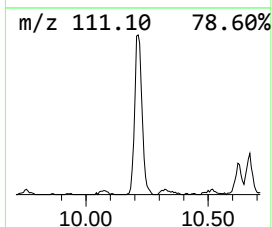
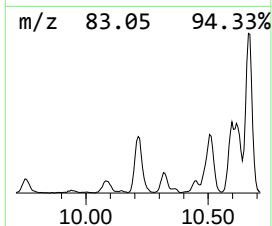
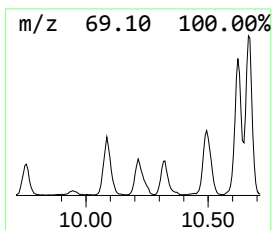
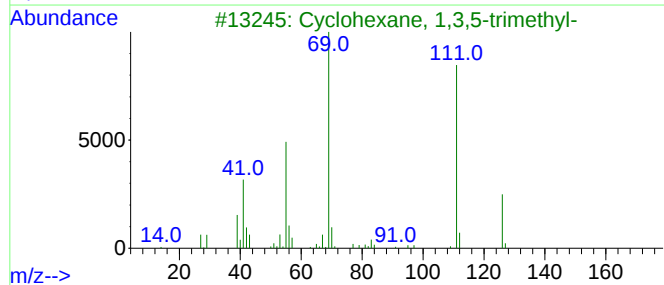
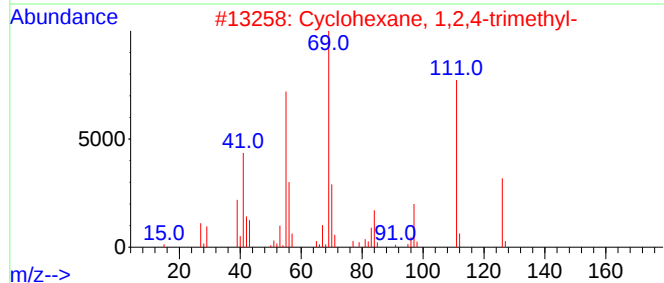
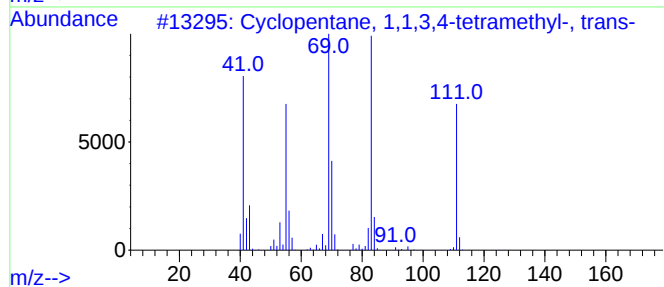
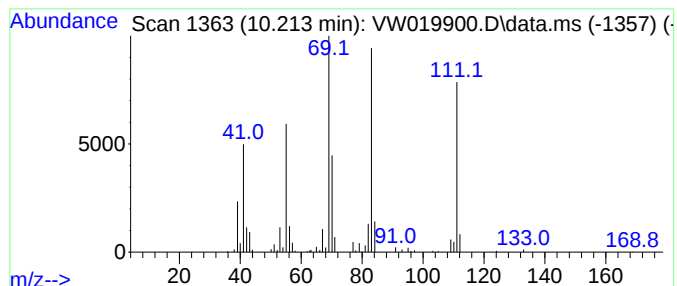
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Cyclic10.213 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.213	4.04 ug/L	175015	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	83
2			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	47
3			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	43
4			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	43
5			Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

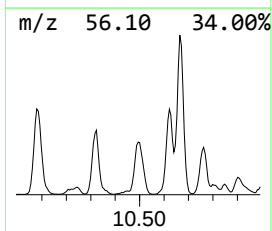
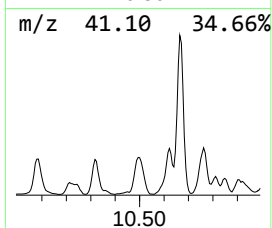
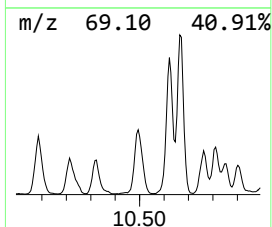
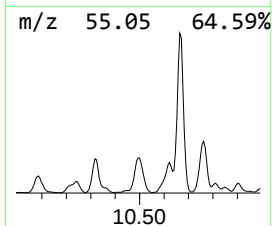
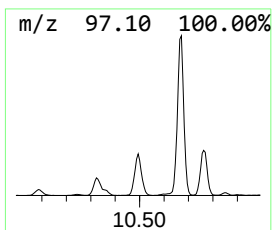
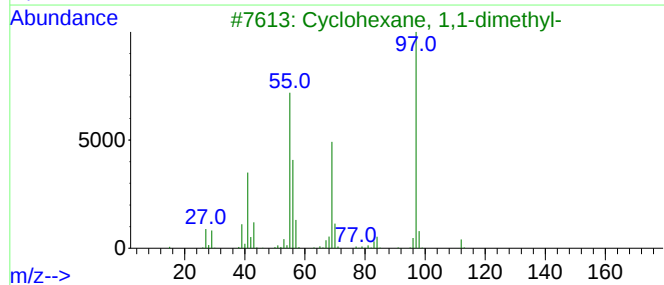
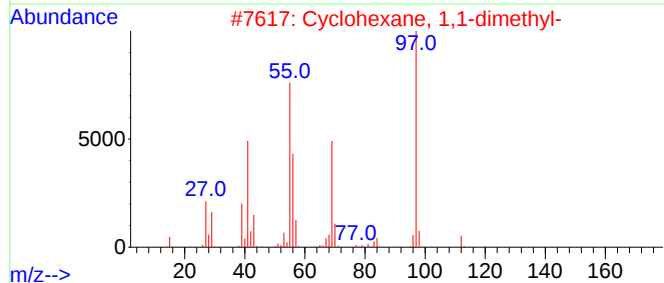
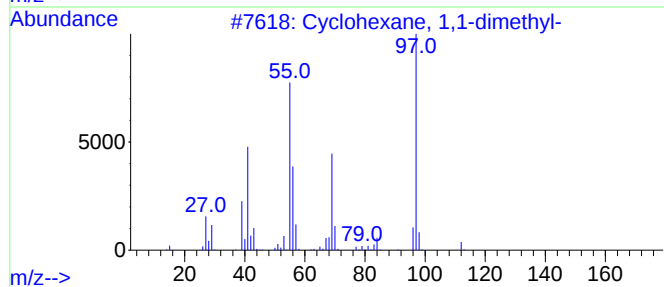
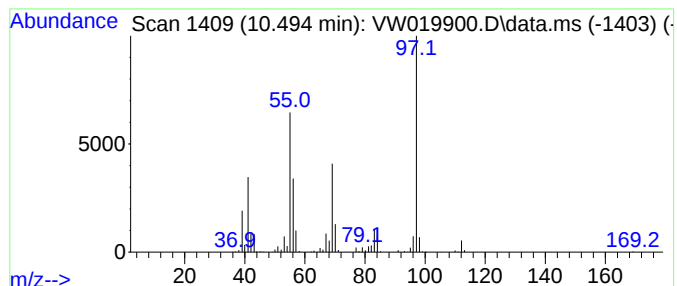
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic10.494 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.494	12.79 ug/L	641177	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	94
2			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	94
3			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	93
4			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	72
5			1H-Pyrazole, 4,5-dihydro-3,5,5-t...	112	C6H12N2	003975-85-7	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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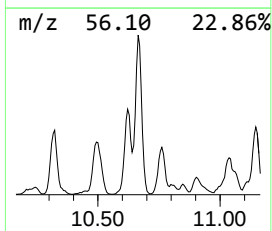
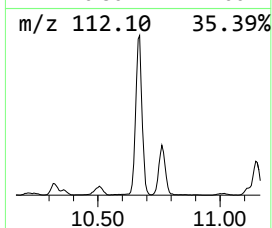
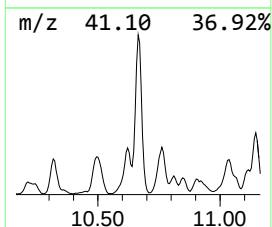
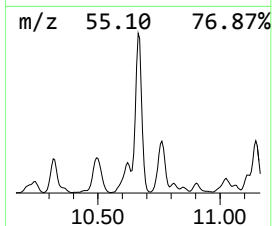
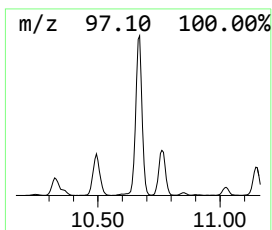
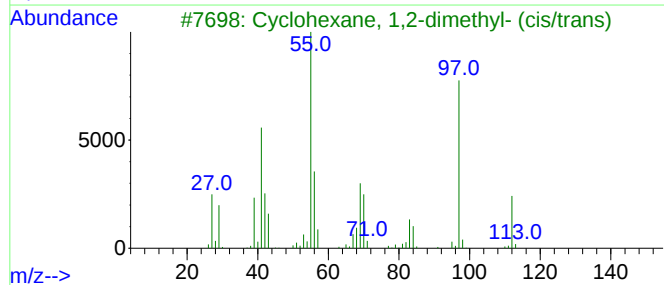
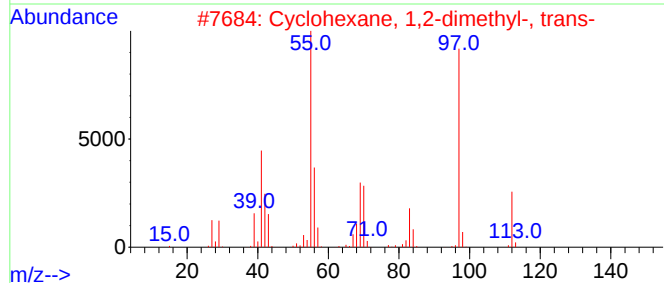
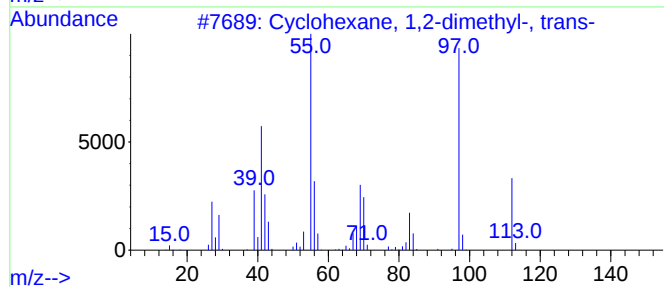
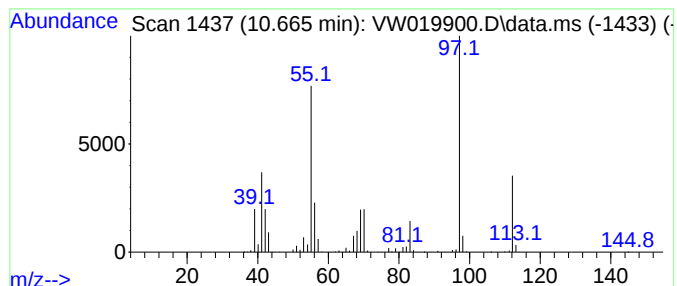
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Cyclic10.665 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.665	39.18 ug/L	1964440	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
2			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
3			Cyclohexane, 1,2-dimethyl-, (cis/...	112	C8H16	000583-57-3	91
4			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
5			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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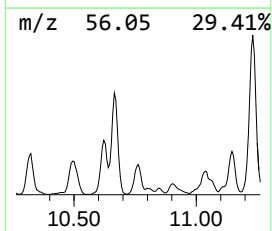
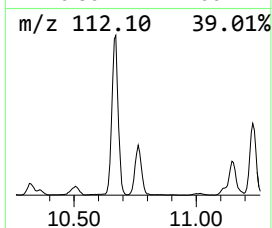
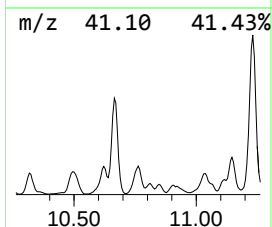
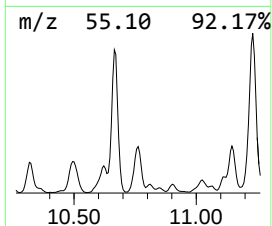
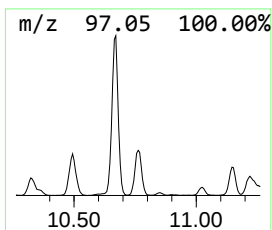
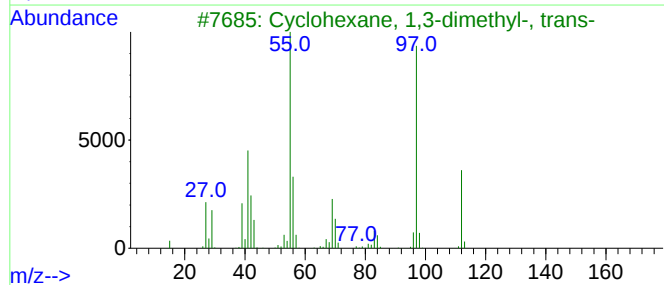
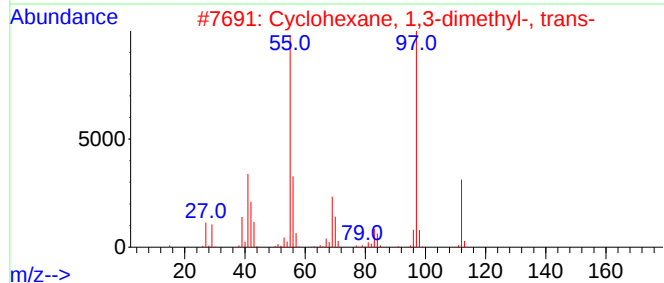
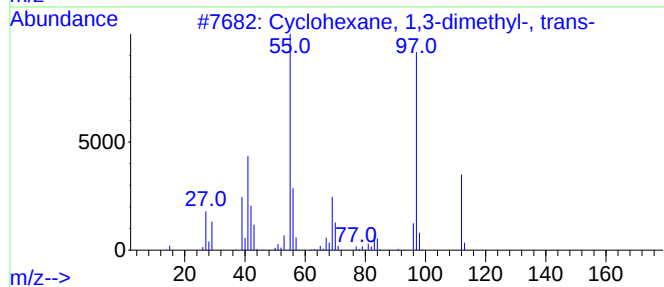
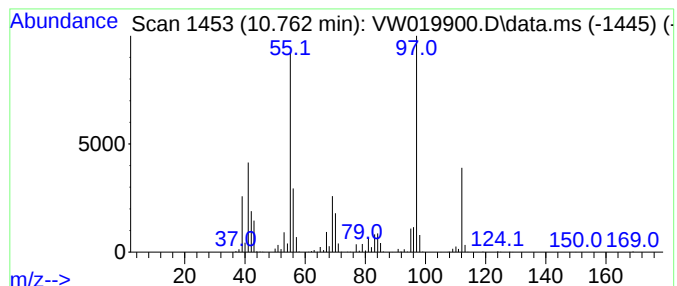
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Cyclic10.762 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.762	16.88 ug/L	846398	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
2			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
3			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
4			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	93
5			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

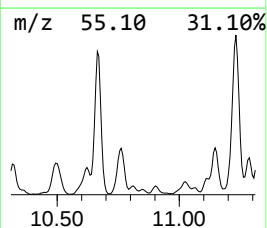
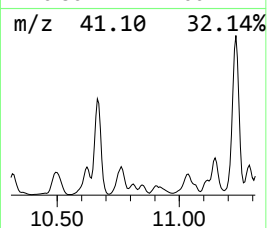
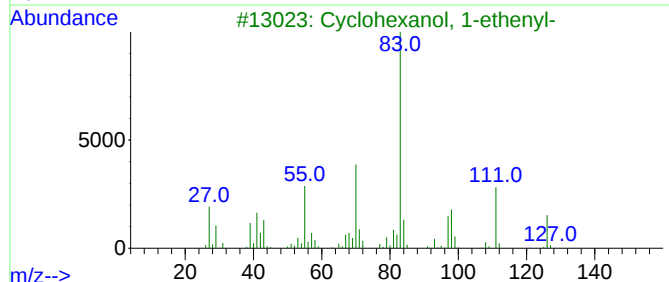
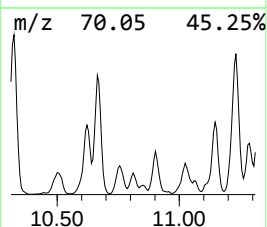
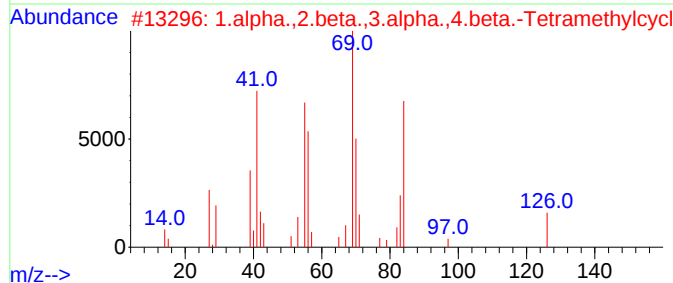
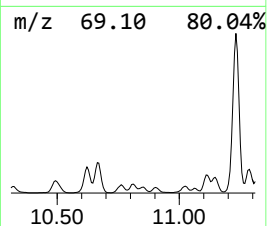
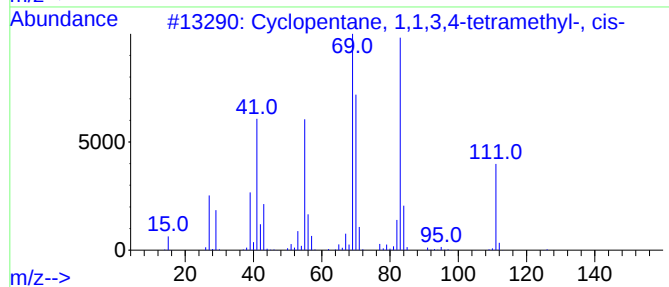
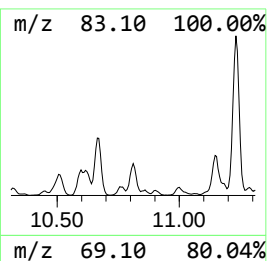
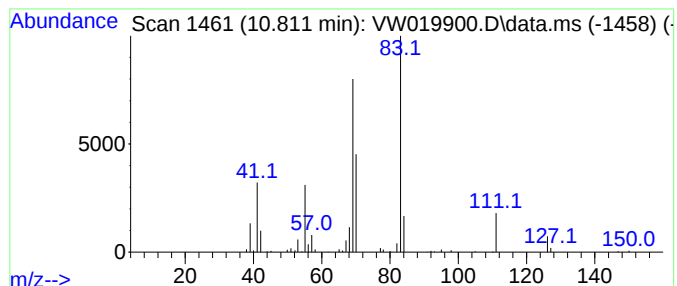
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Cyclic10.811 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.811	3.40 ug/L	170533	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	42
2			1.alpha.,2.beta.,3.alpha.,4.beta...	126	C9H18	002532-67-4	37
3			Cyclohexanol, 1-ethenyl-	126	C8H14O	001940-19-8	37
4			Cyclopentanone, 2,4,4-trimethyl-	126	C8H14O	004694-12-6	35
5			5-Nonanol, trifluoroacetate	240	C11H19F3O2	1000463-48-1	32



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

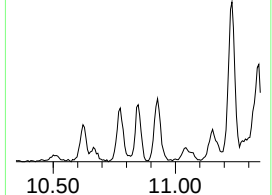
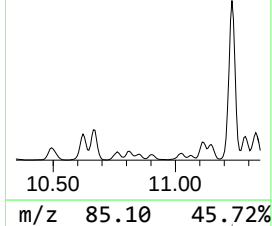
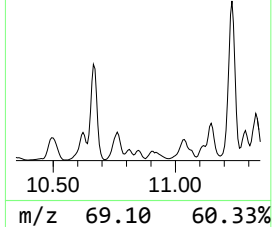
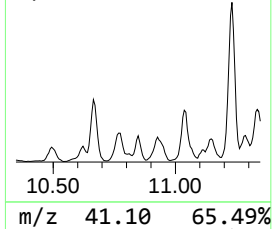
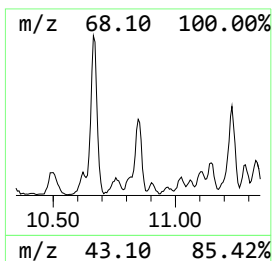
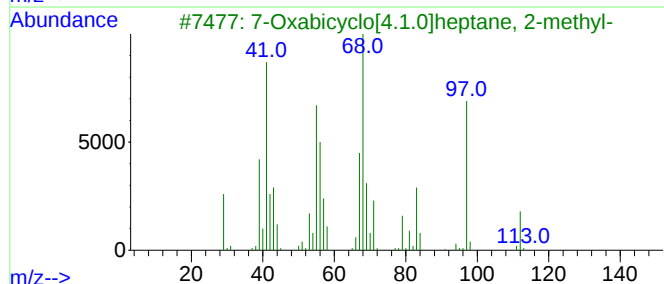
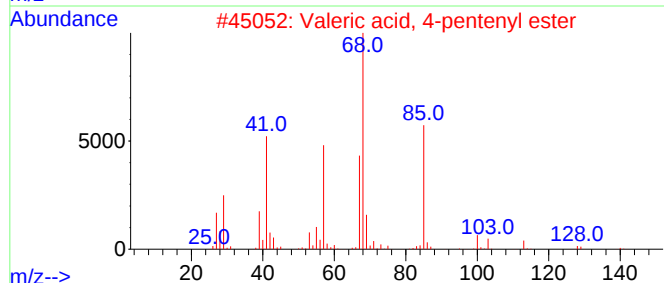
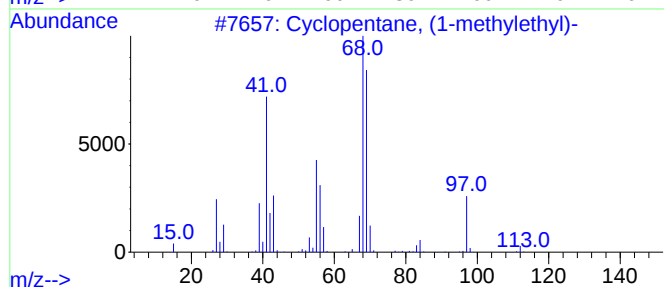
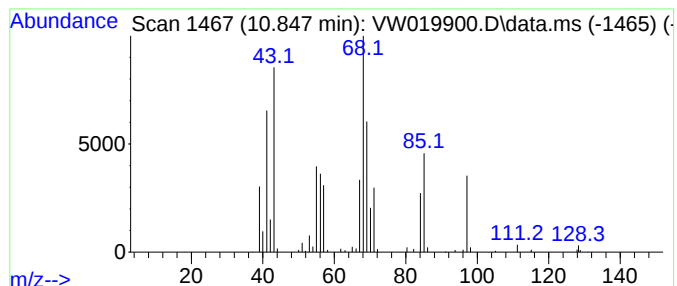
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Cyclic10.847 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.847	2.23 ug/L	111808	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, (1-methylethyl)-	112	C8H16	003875-51-2	38
2			Valeric acid, 4-pentenyl ester	170	C10H18O2	030563-32-7	37
3			7-Oxabicyclo[4.1.0]heptane, 2-me...	112	C7H12O	005410-22-0	35
4			1-Fluorononane	146	C9H19F	000463-18-3	27
5			2-Buten-1-ol, 3-methyl-, acetate	128	C7H12O2	001191-16-8	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

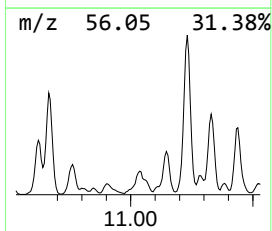
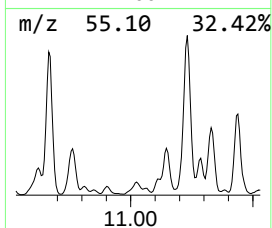
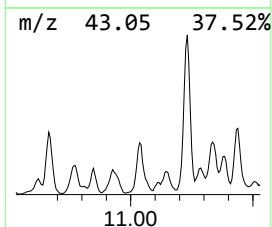
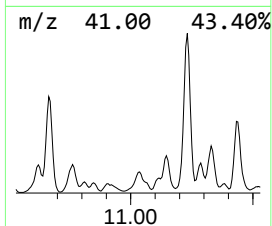
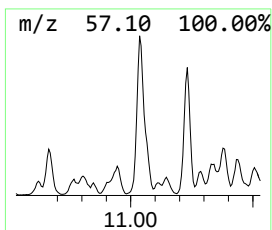
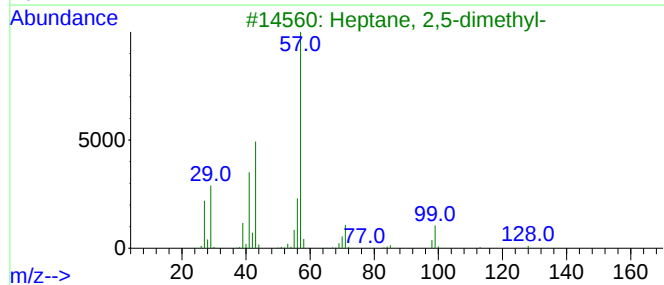
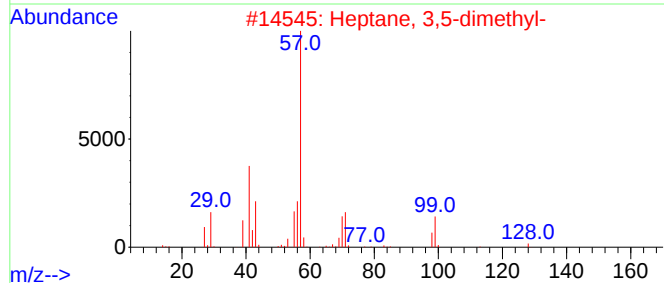
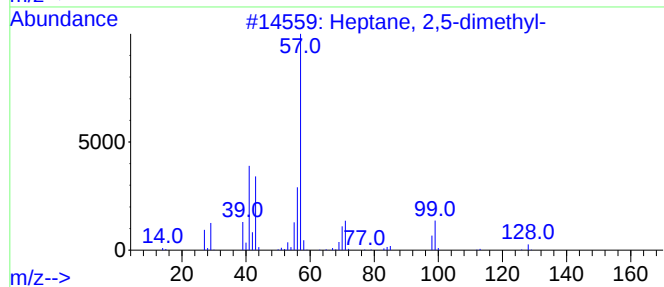
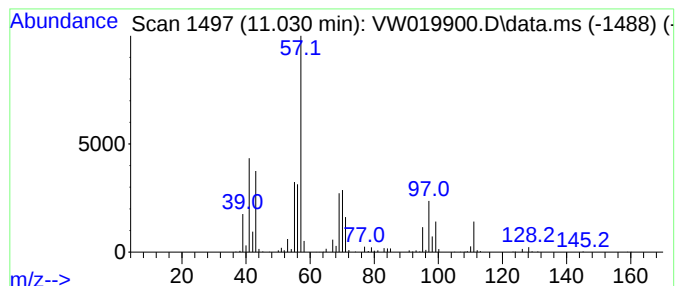
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.030	12.21 ug/L	611932	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	60
2		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	53
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	49
4		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	49
5		Octane, 3-methyl-	128	C9H20	002216-33-3	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

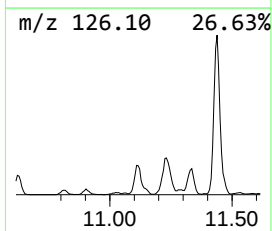
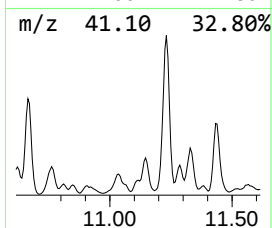
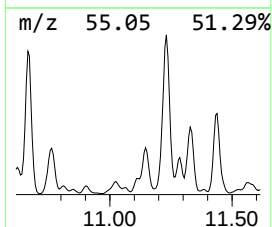
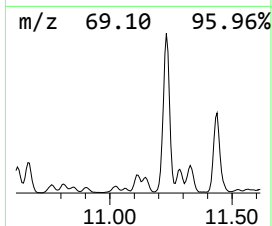
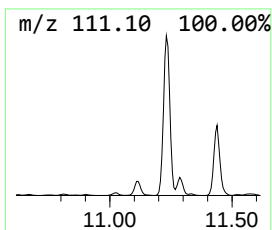
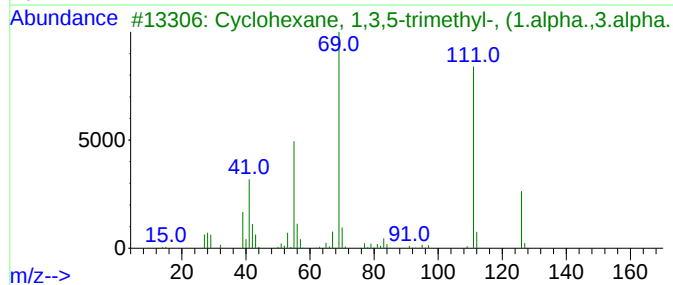
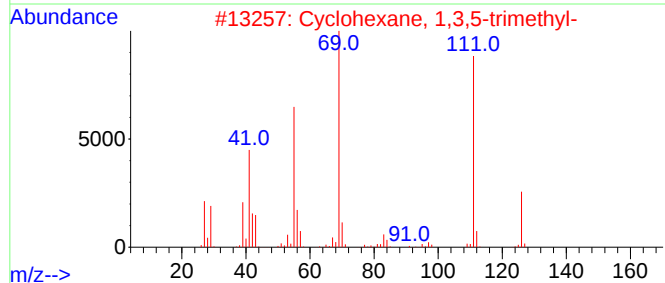
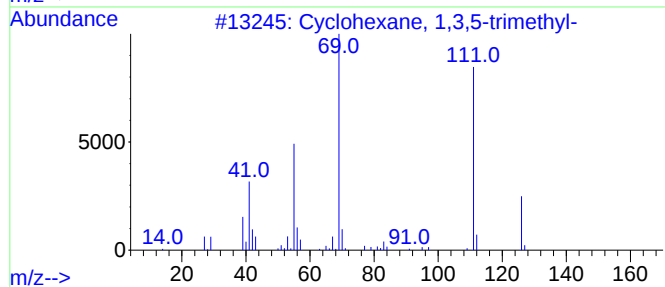
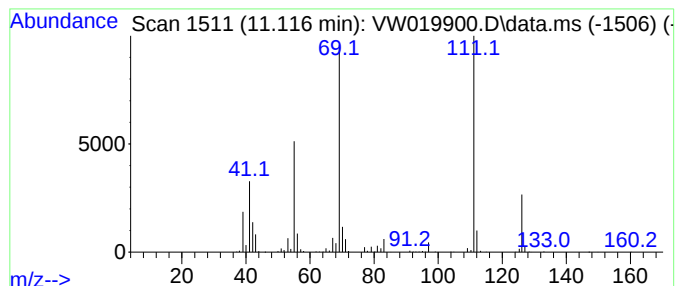
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Cyclic11.116 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.116	5.24 ug/L	262480	Chlorobenzene-d5	11.634

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

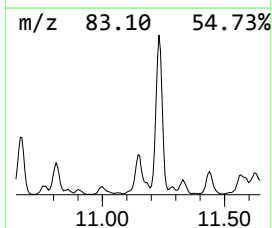
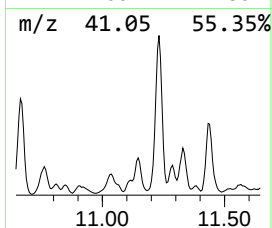
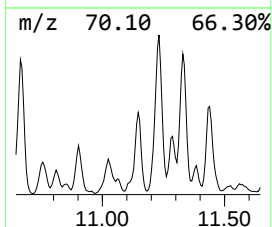
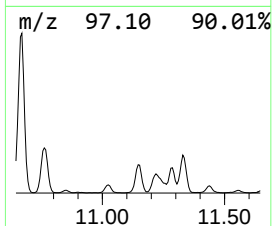
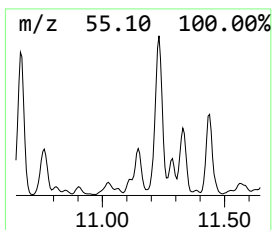
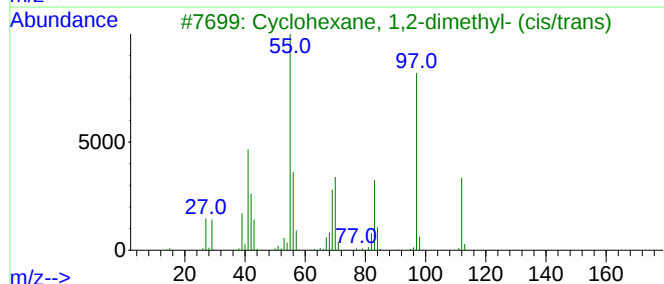
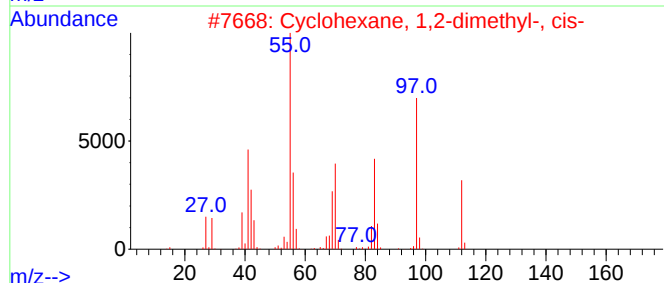
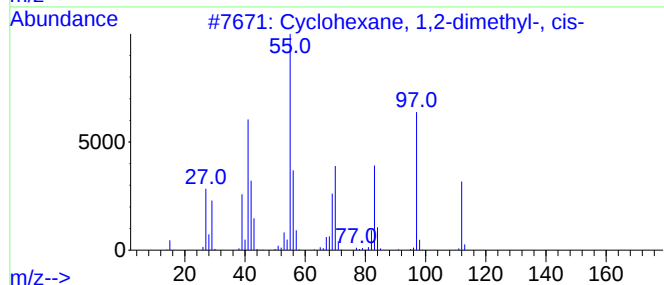
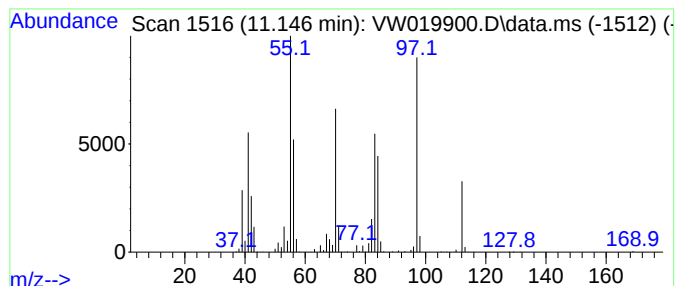
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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Cyclic11.146 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.146	14.65 ug/L	734244	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	87
2		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	72
3		Cyclohexane, 1,2-dimethyl-, (cis/...	112	C8H16	000583-57-3	64
4		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	58
5		Cyclohexane, 1,2-dimethyl-, (cis/...	112	C8H16	000583-57-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

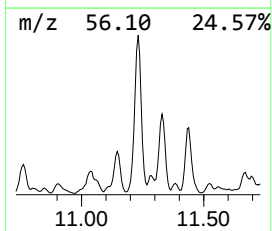
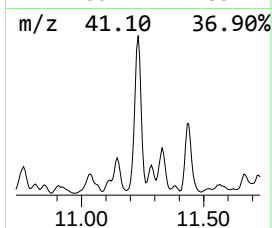
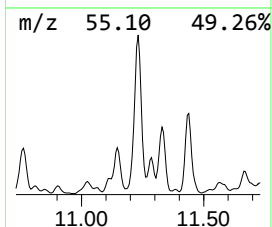
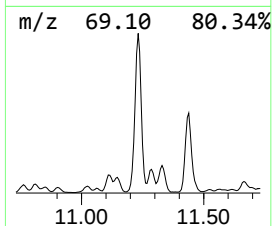
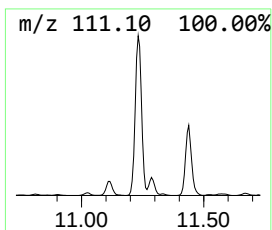
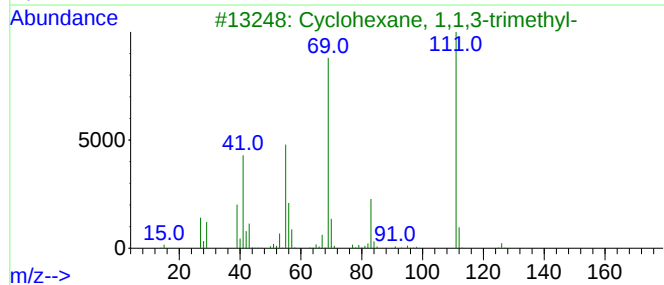
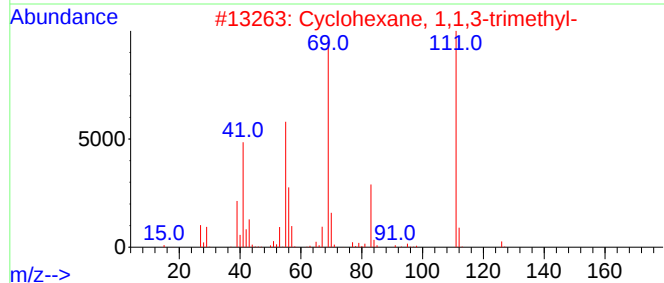
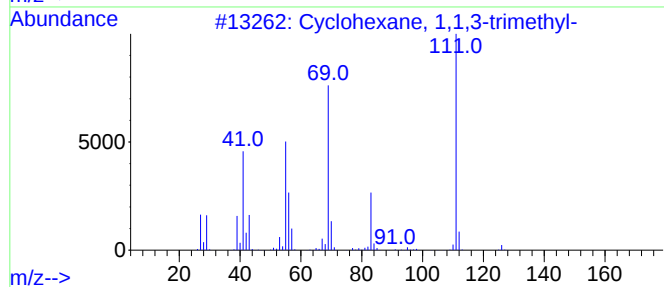
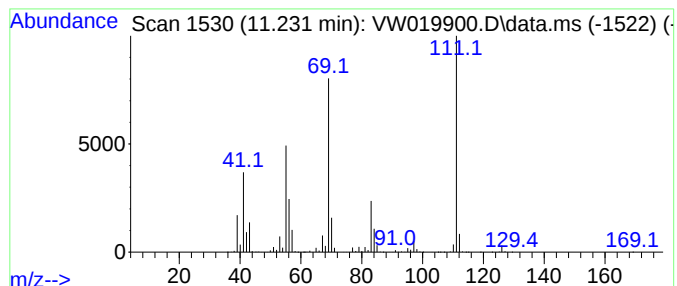
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Cyclic11.232 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.232	73.92 ug/L	3705620	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	94
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	94
4			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	93
5			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

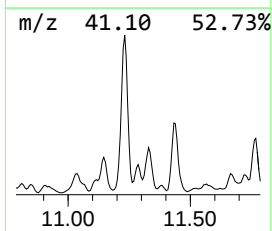
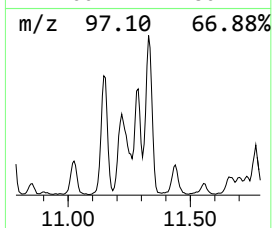
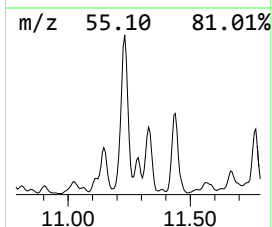
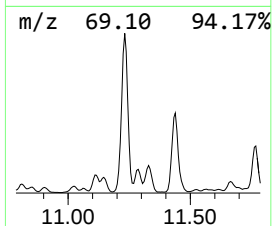
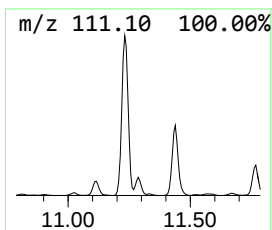
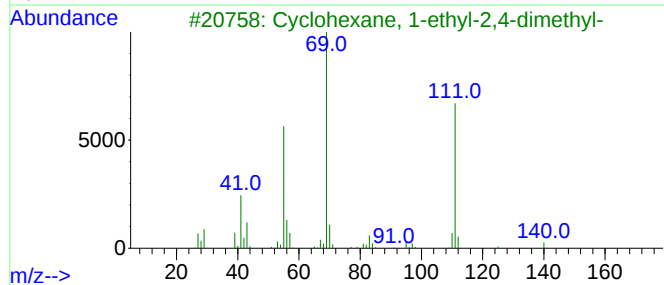
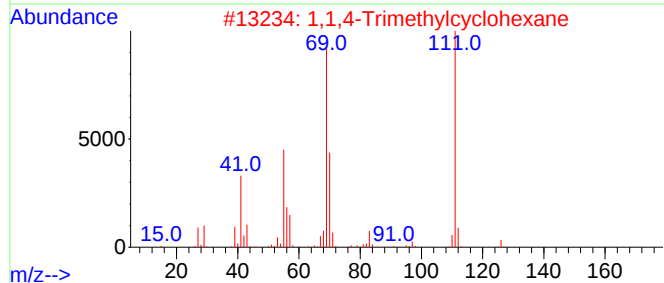
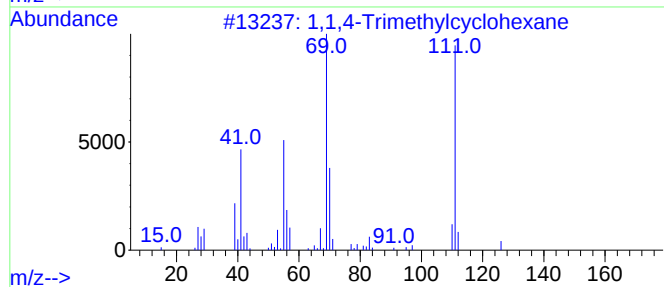
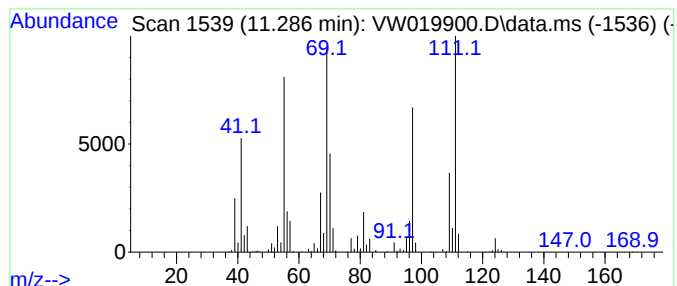
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Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Cyclic11.286 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.286	11.62 ug/L	582544	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	53	
2	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	50	
3	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	47	
4	4-Methyl-2-heptene	112	C8H16	003404-56-6	35	
5	2-Heptene, 4-methyl-, (E)-	112	C8H16	066225-17-0	27	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

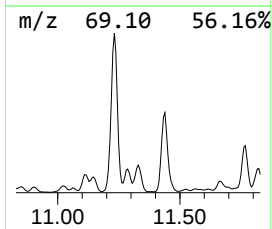
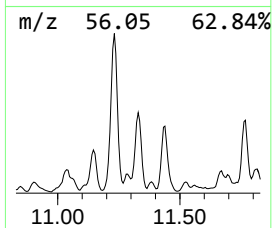
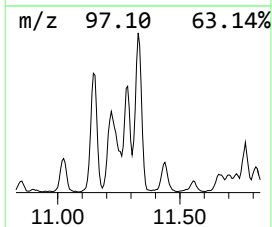
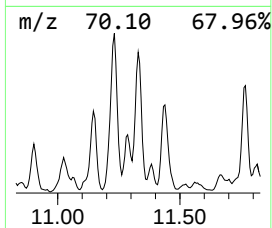
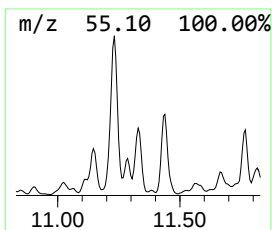
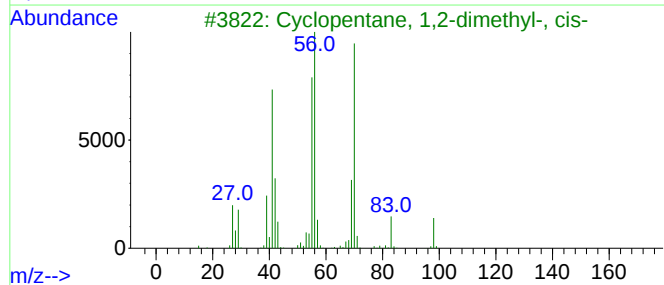
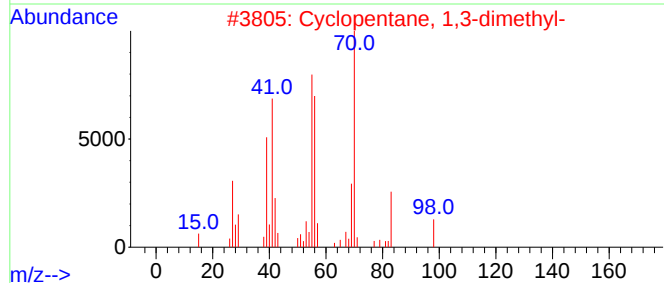
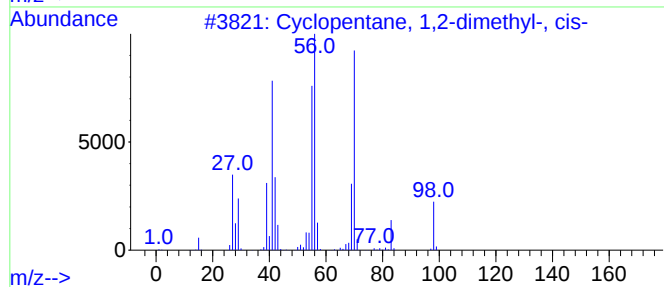
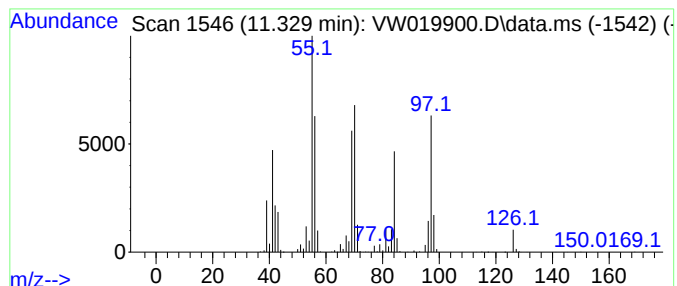
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MSVOA_W
ClientSampleId :
EW7C3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Cyclic11.329 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.329	21.44 ug/L	1074690	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	50
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	45
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	45
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	43
5	Isopropylcyclobutane	98	C7H14	000872-56-0	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

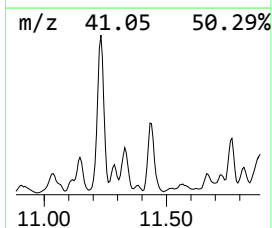
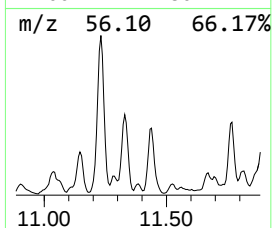
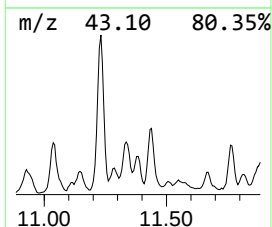
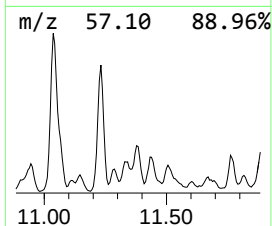
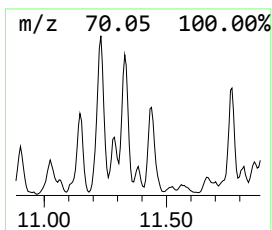
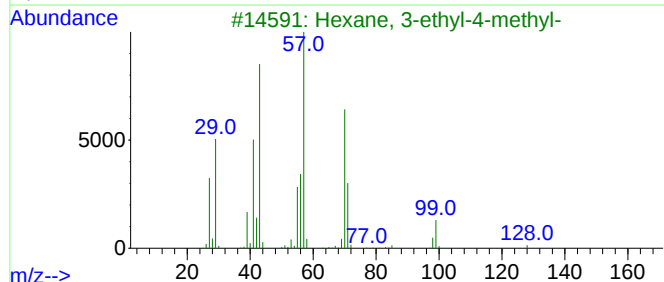
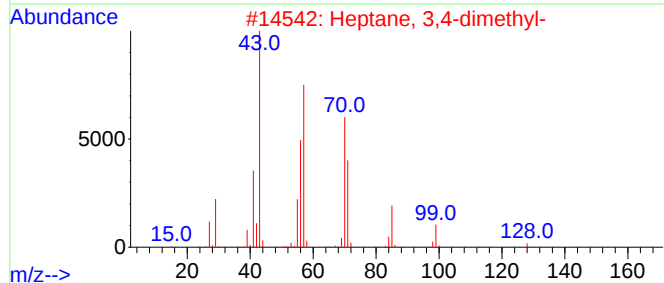
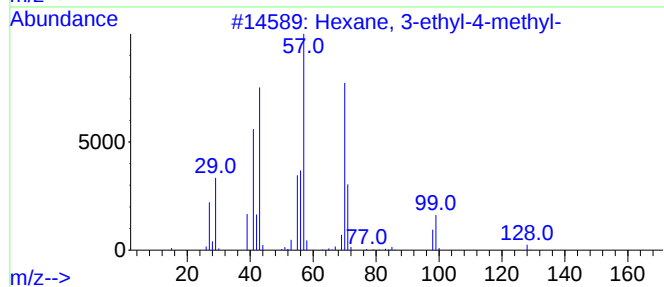
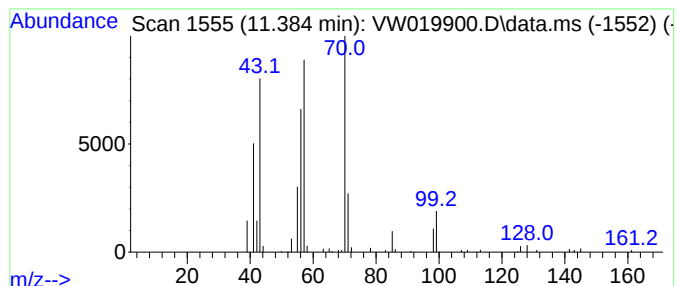
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ClientSampleId :
EW7C3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.384	1.86 ug/L	93039	Chlorobenzene-d5		11.634	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-4-methyl-		128	C9H20	003074-77-9	87
2	Heptane, 3,4-dimethyl-		128	C9H20	000922-28-1	64
3	Hexane, 3-ethyl-4-methyl-		128	C9H20	003074-77-9	50
4	Hexane, 3-methyl-		100	C7H16	000589-34-4	42
5	Cyclopentane, 1,3-dimethyl-, cis-		98	C7H14	002532-58-3	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

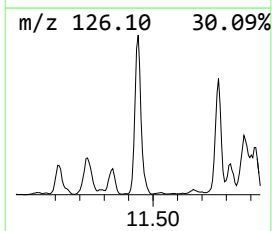
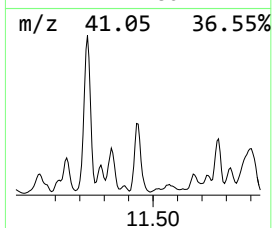
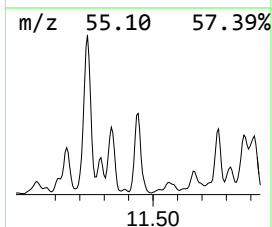
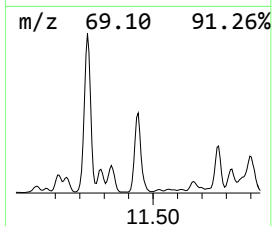
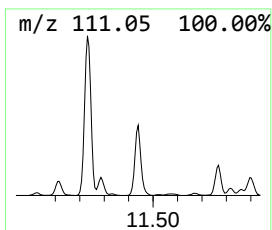
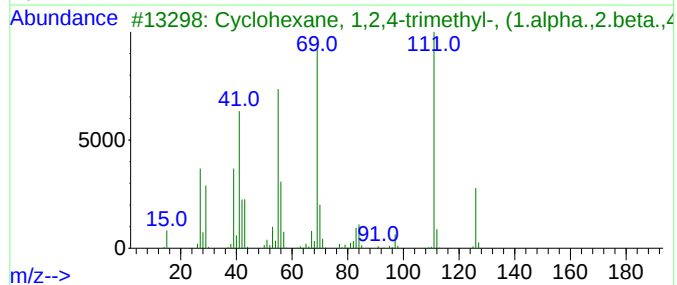
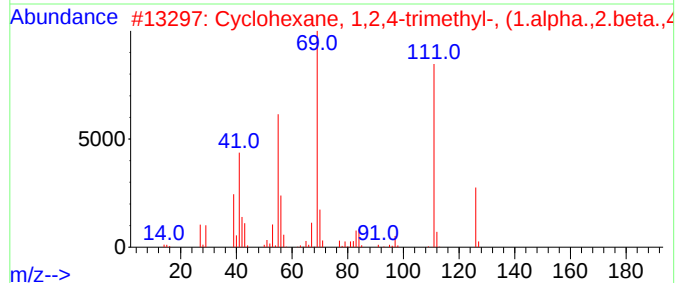
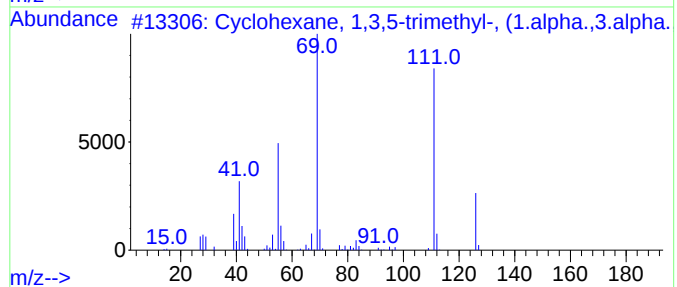
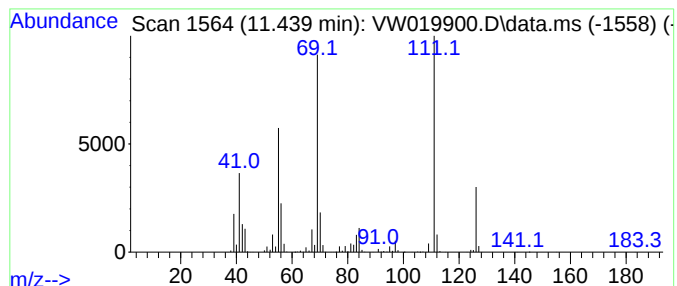
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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Cyclic11.439 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.439	32.59 ug/L	1633930	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	93
2			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	93
3			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	90
4			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	90
5			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

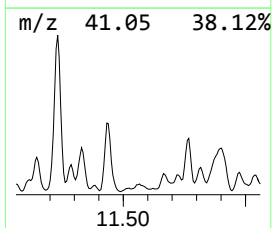
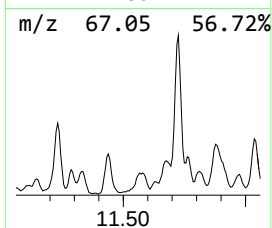
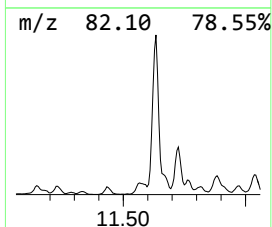
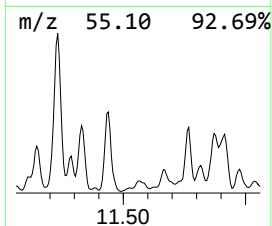
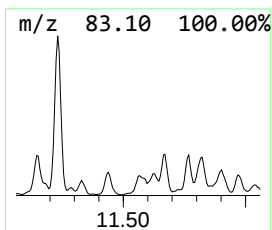
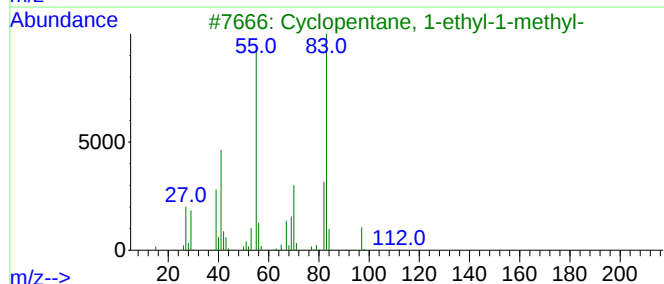
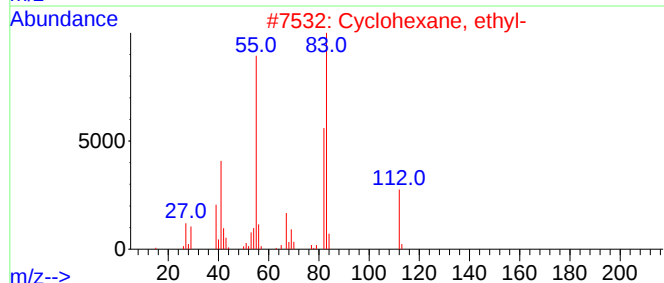
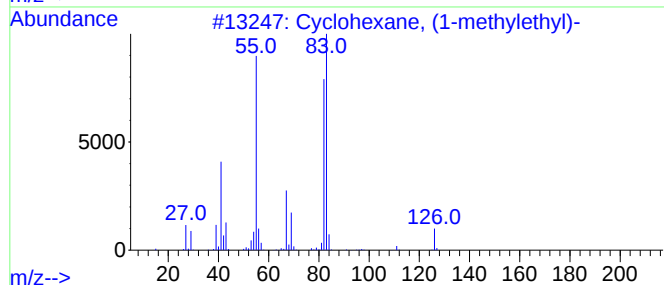
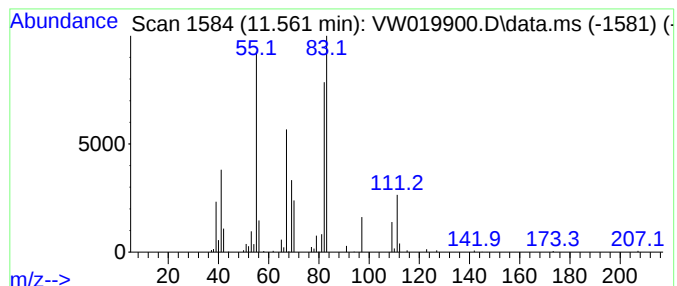
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Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Cyclic11.561 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.561	2.04 ug/L	102116	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	53
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	53
3			Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	43
4			Cyclohexane, butyl-	140	C10H20	001678-93-9	42
5			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

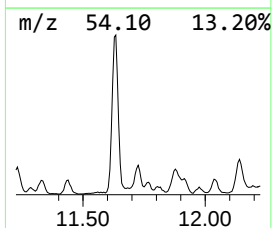
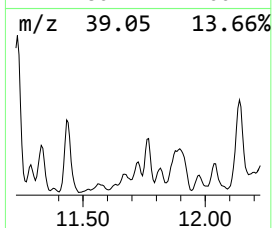
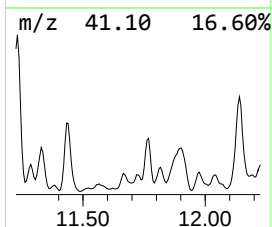
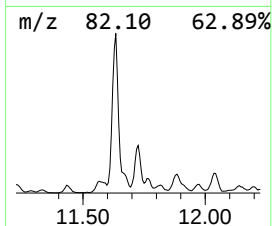
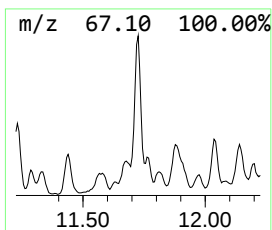
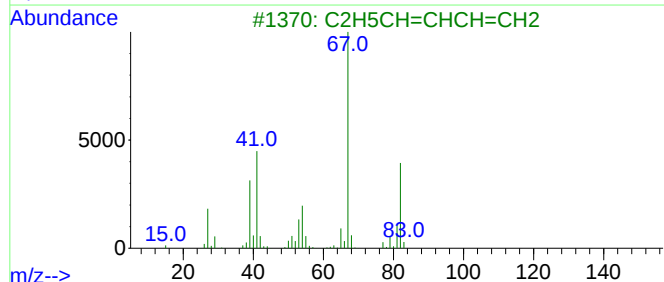
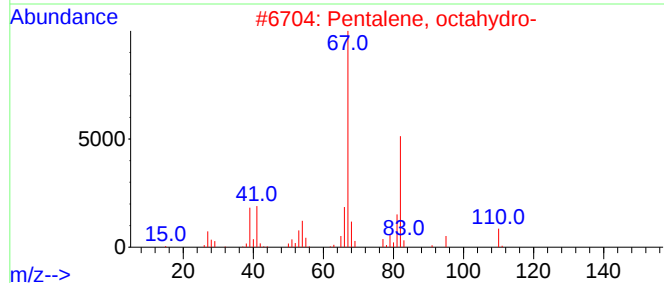
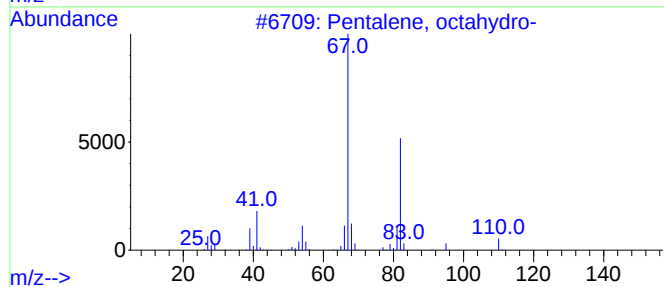
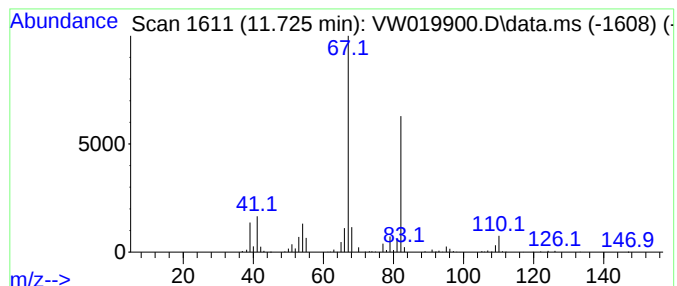
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Quant Title : SFAM01.0

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

Peak Number 22 Pentalene, octahydro- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.725	3.27 ug/L	163960	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentalene, octahydro-	110	C8H14	000694-72-4	86
2			Pentalene, octahydro-	110	C8H14	000694-72-4	80
3			C2H5CH=CHCH=CH2	82	C6H10	000592-48-3	72
4			Cyclopentene, 3-propyl-	110	C8H14	034067-75-9	64
5			Cyclobutene, 3,3-dimethyl-	82	C6H10	016327-38-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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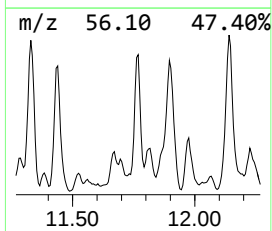
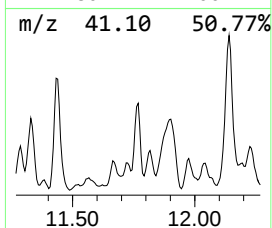
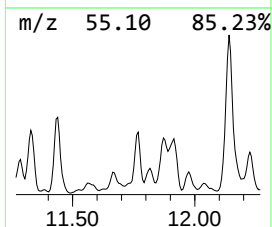
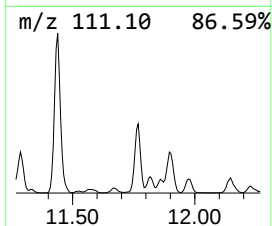
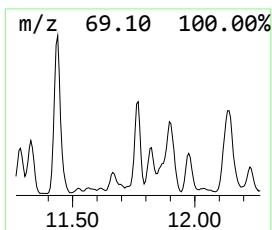
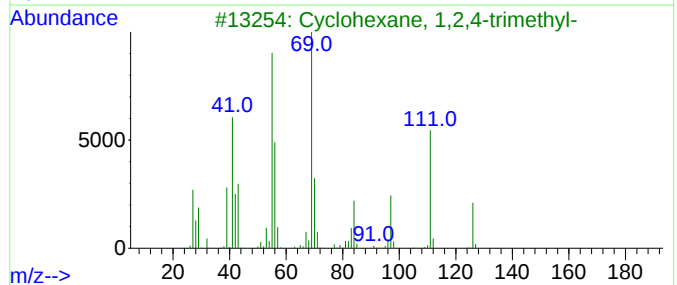
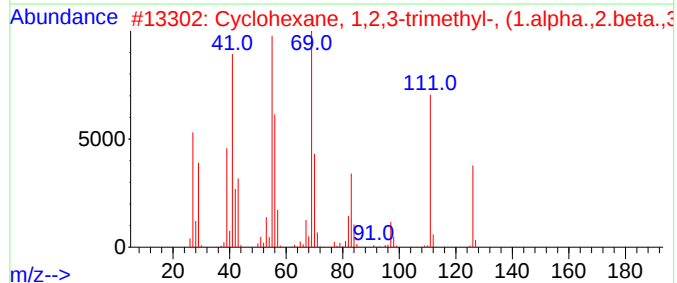
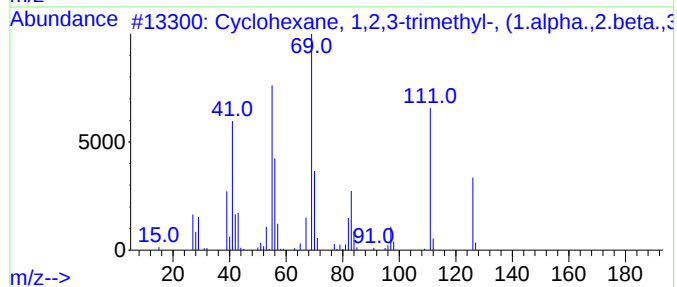
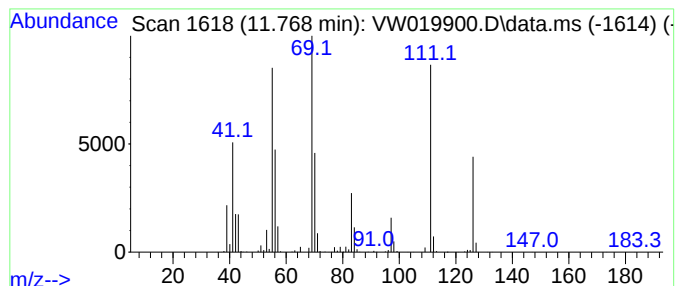
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Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Cyclic11.768 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.768	16.35 ug/L	819901	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	97
2			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	93
3			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	86
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	74
5			3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

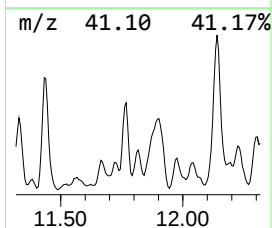
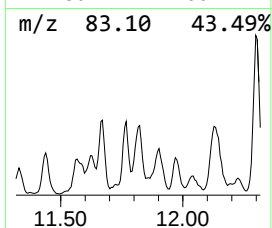
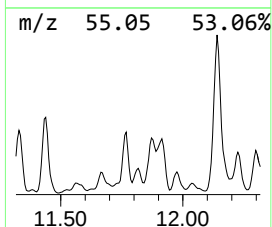
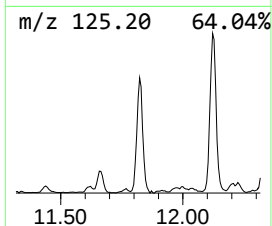
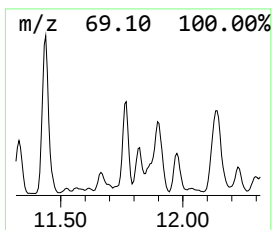
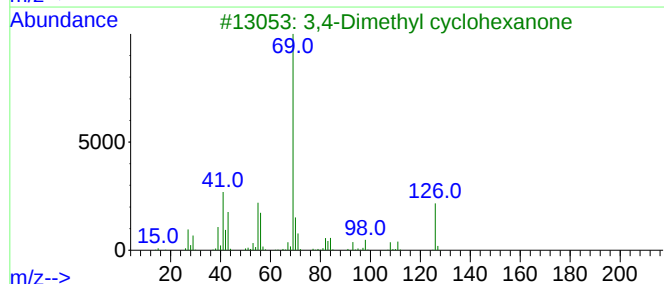
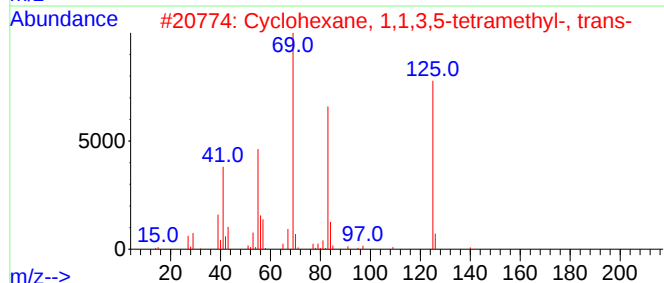
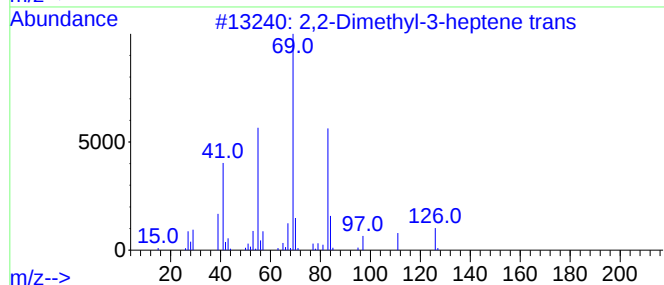
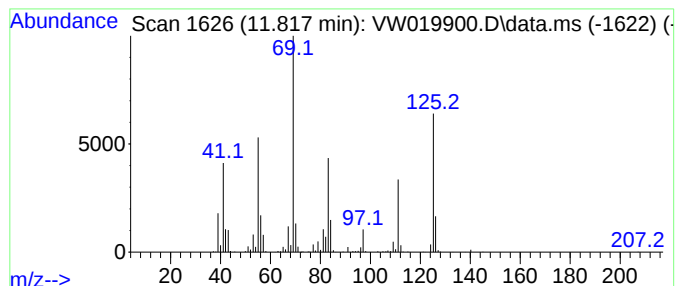
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Quant Title : SFAM01.0

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.817	5.98 ug/L	299611	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	70
2		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	38
3		3,4-Dimethyl cyclohexanone	126	C8H14O	005465-09-8	38
4		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	38
5		Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

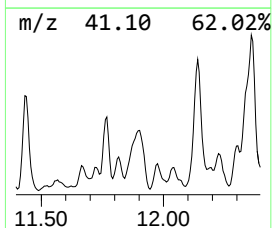
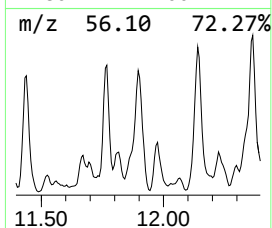
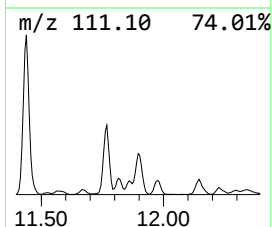
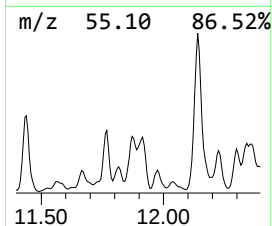
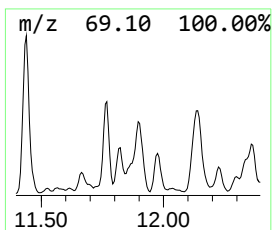
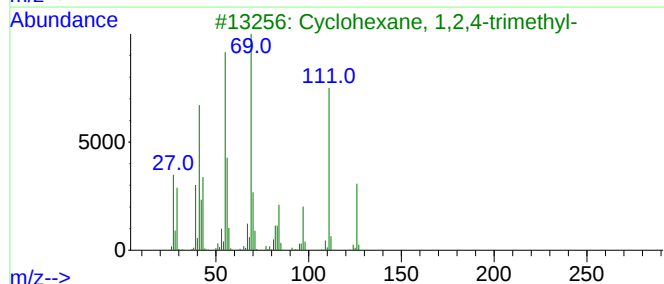
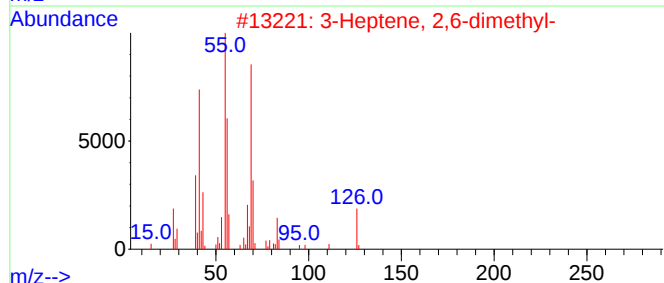
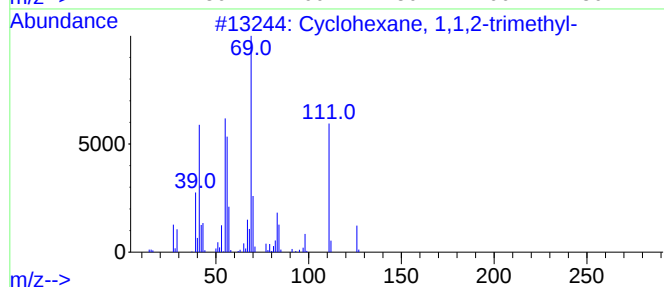
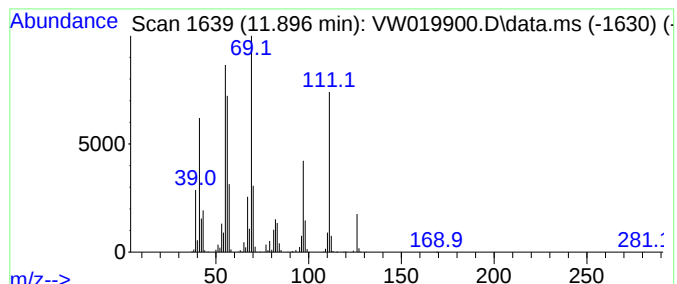
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MSVOA_W
ClientSampleId :
EW7C3

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Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Cyclic11.896 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.896	38.38 ug/L	1924230	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	90
2	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	90
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	76
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	64
5	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

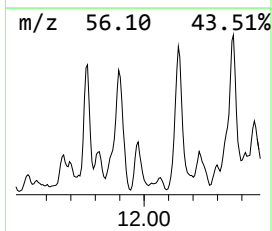
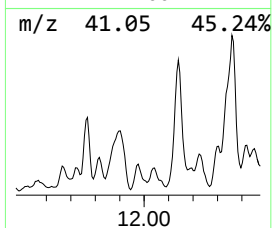
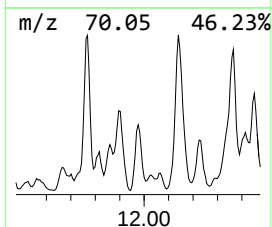
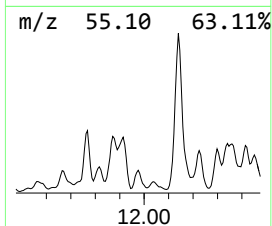
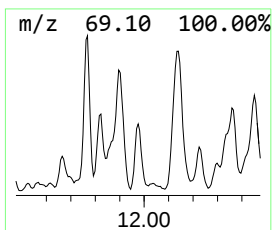
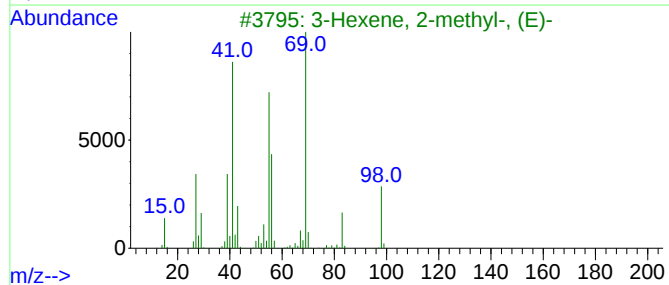
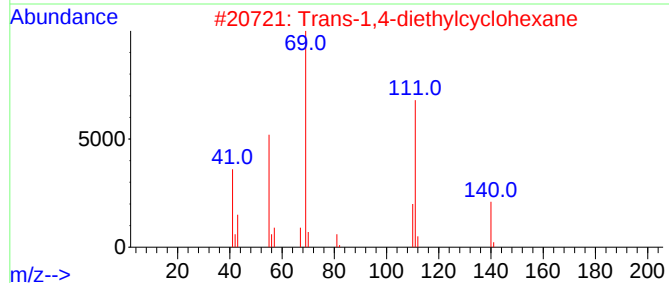
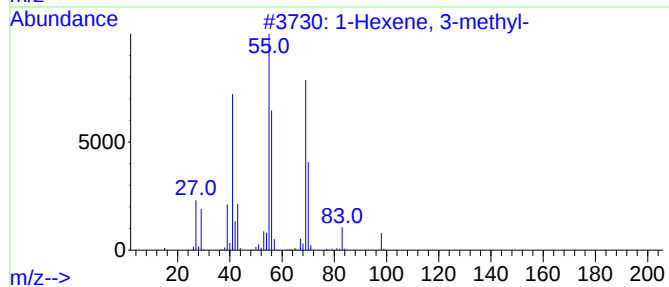
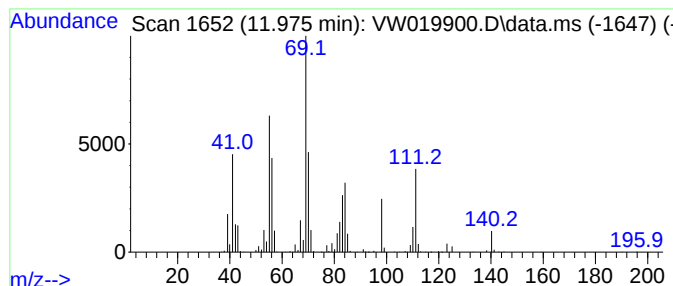
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Quant Title : SFAM01.0

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	9.90 ug/L	496231	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	62
2		Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	50
3		3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	49
4		4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	49
5		3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

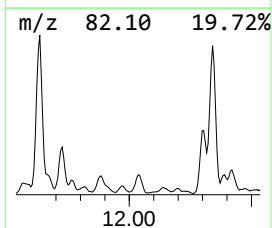
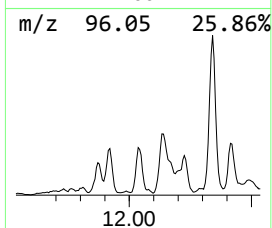
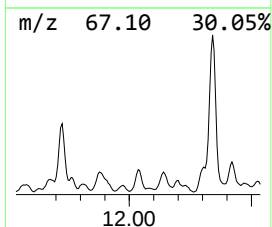
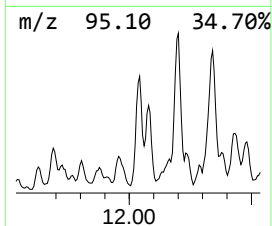
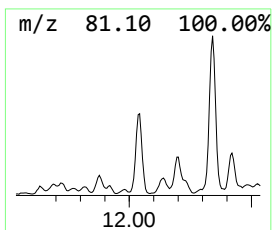
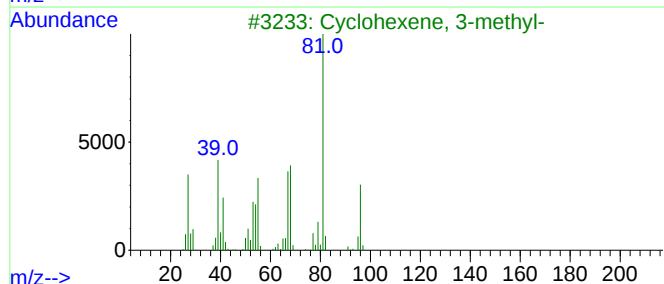
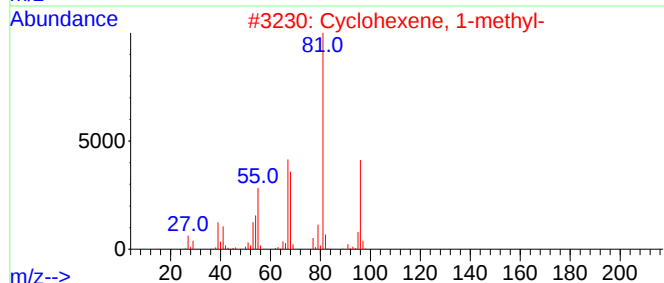
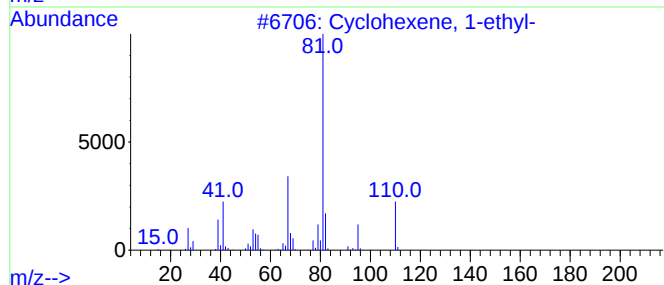
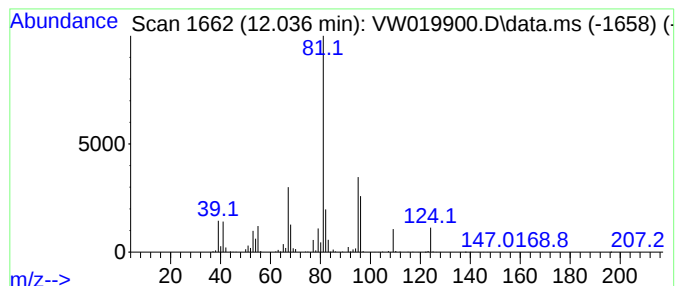
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Quant Title : SFAM01.0

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

Peak Number 27 Cyclohexene, 1-ethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.036	10.44 ug/L	523230	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	59
2			Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	58
3			Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	53
4			Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	50
5			Formic acid, cis-4-methylcyclohe...	142	C8H14O2	1000368-24-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

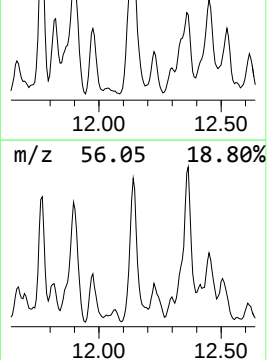
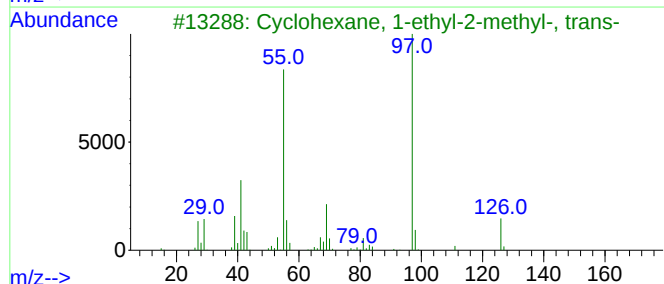
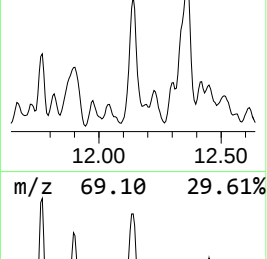
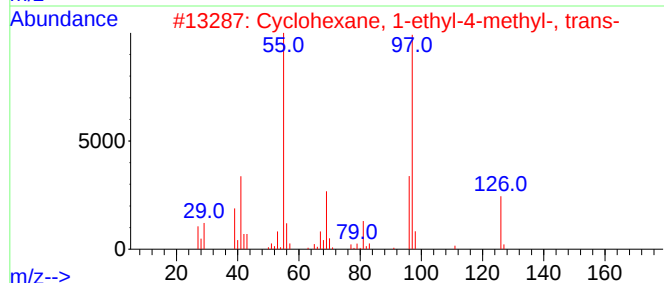
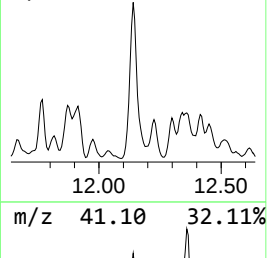
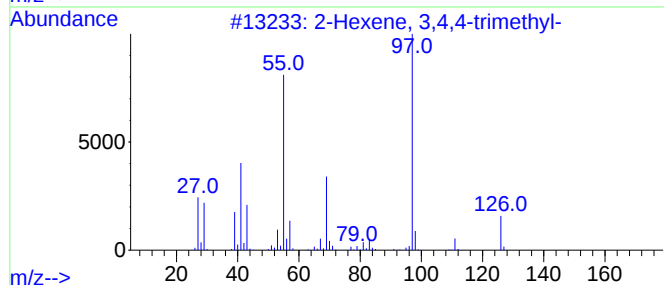
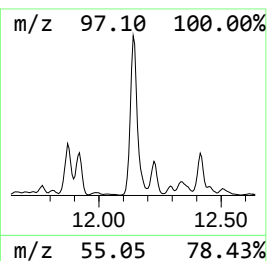
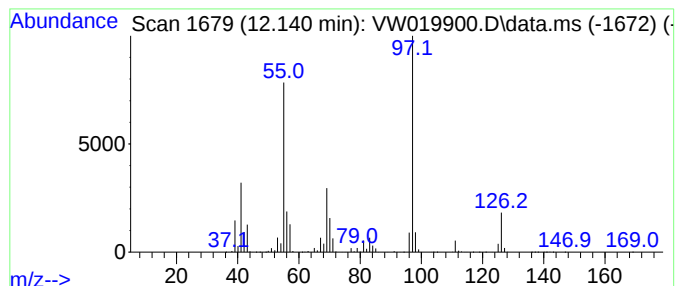
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Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.140	50.80 ug/L	2546670	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	83	
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	81	
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	81	
4	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	72	
5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

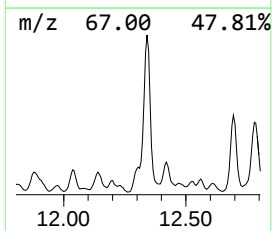
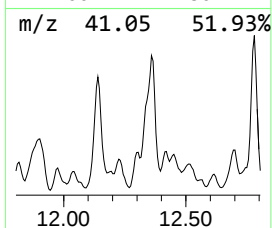
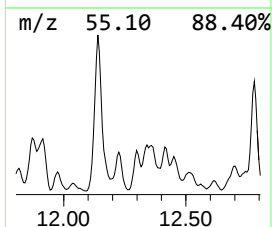
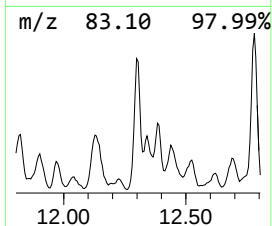
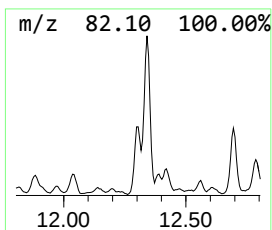
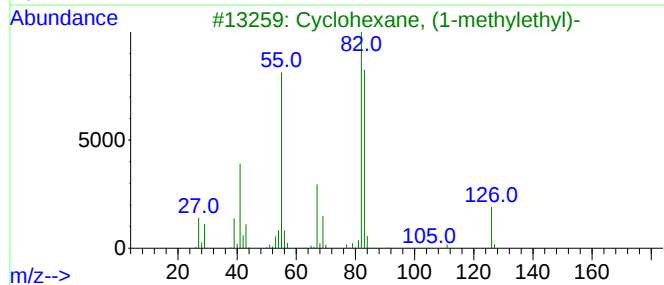
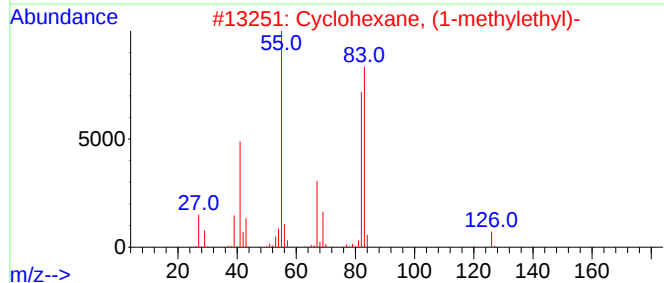
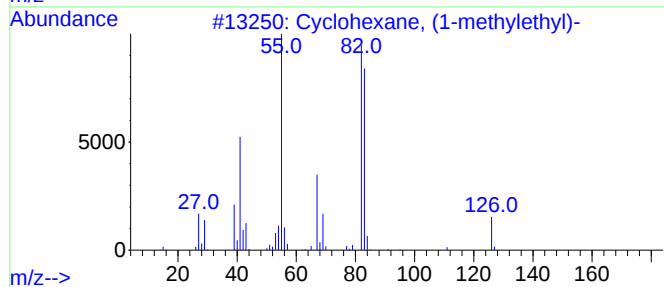
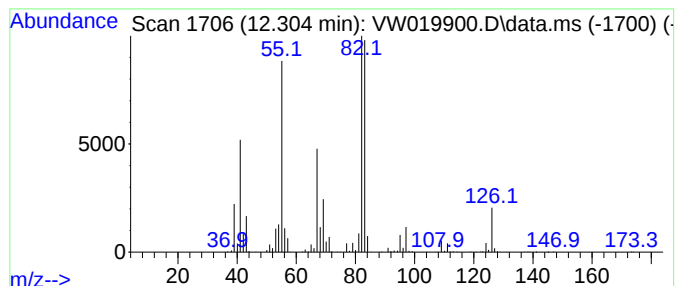
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Quant Title : SFAM01.0

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

Peak Number 29 (DEL) Alkane: Cyclic12.305 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.305	11.19 ug/L	560787	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	90
2		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
4		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	80
5		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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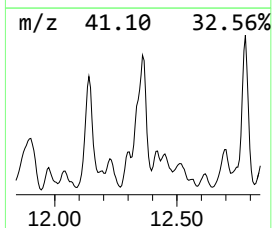
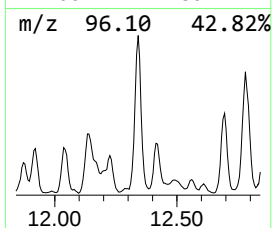
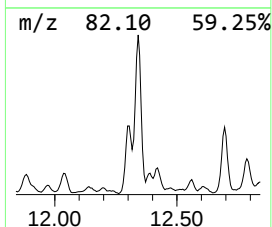
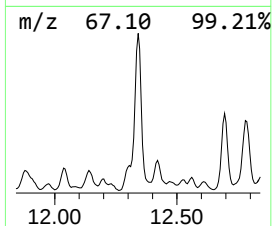
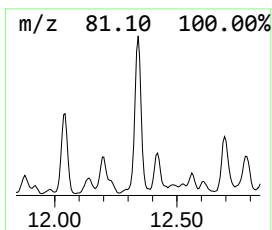
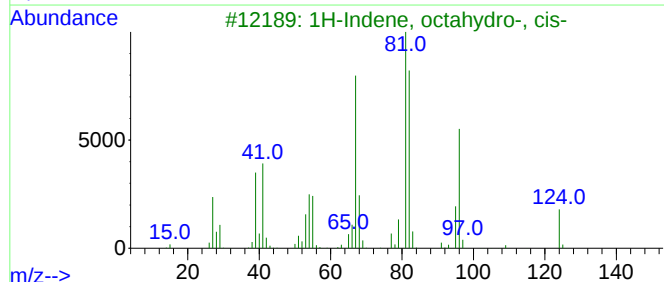
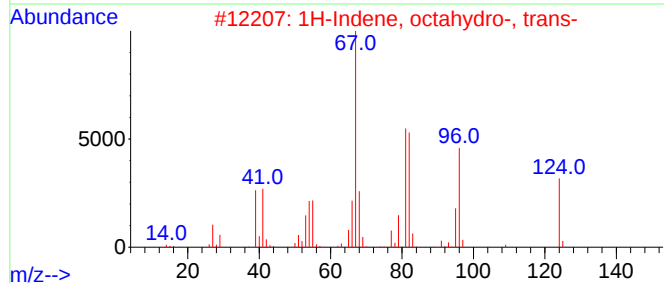
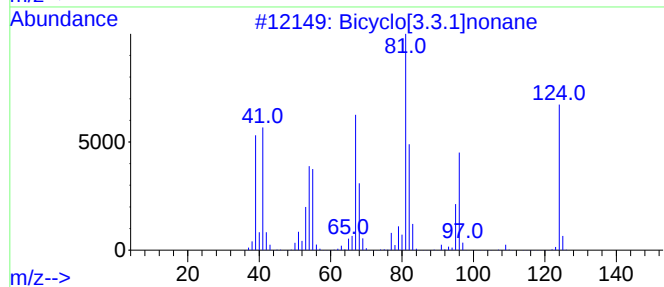
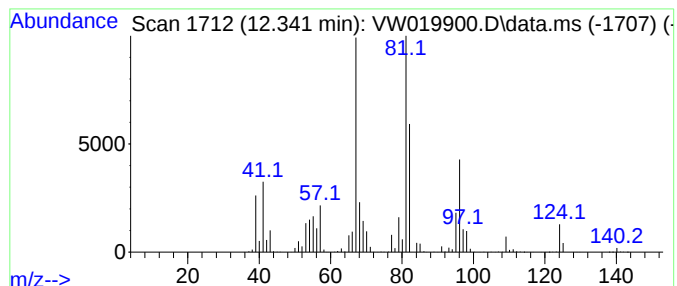
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Quant Title : SFAM01.0

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

Peak Number 30 Bicyclo[3.3.1]nonane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.341	30.62 ug/L	1535210	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	62
2			1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	58
3			1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	46
4			1-Methylcyclooctene	124	C9H16	000933-11-9	46
5			Cyclohexene,3-propyl-	124	C9H16	003983-06-0	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

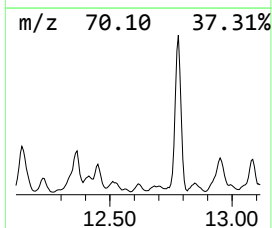
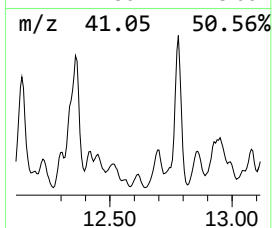
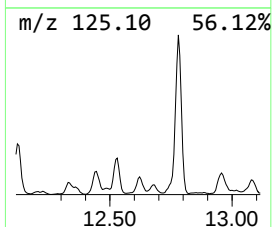
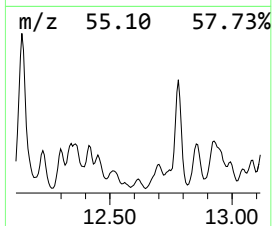
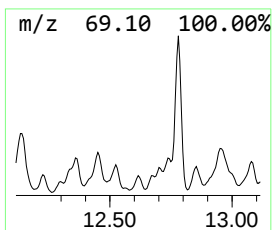
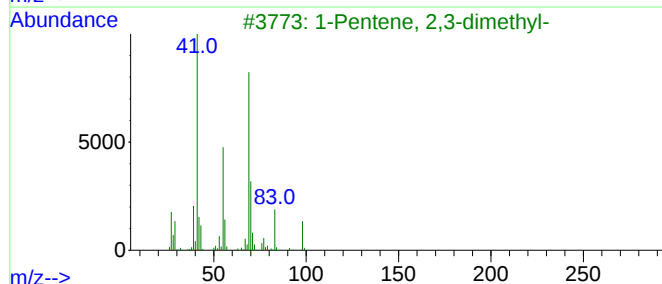
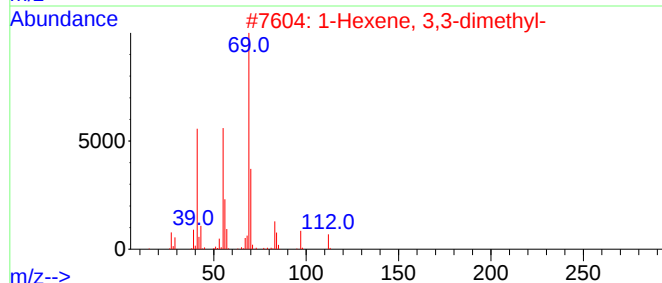
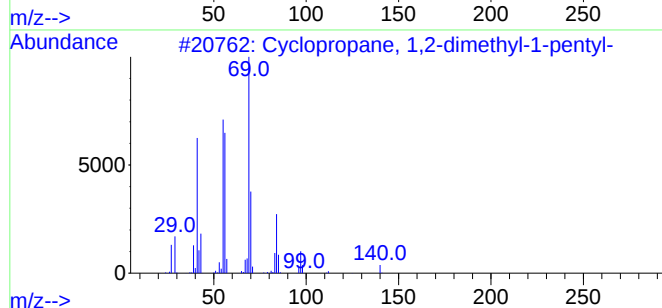
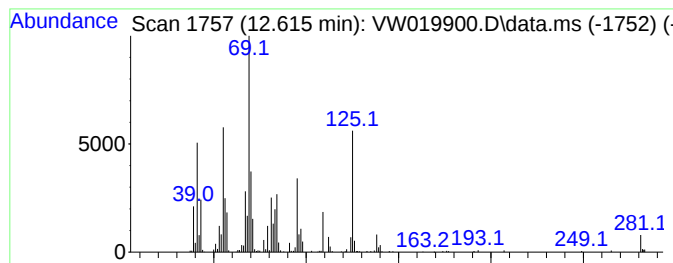
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Quant Title : SFAM01.0

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

Peak Number 31 (DEL) Alkane: Cyclic12.615 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.615	6.27 ug/L	284074	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	46
2			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	45
3			1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	45
4			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	43
5			1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

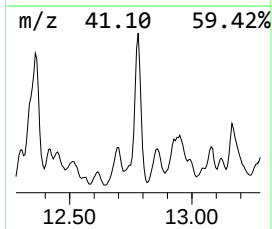
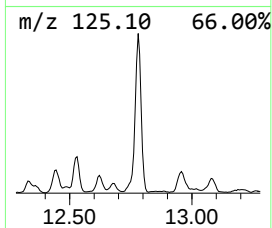
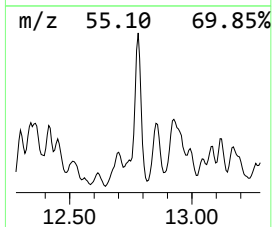
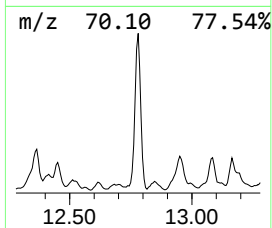
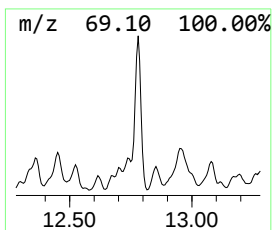
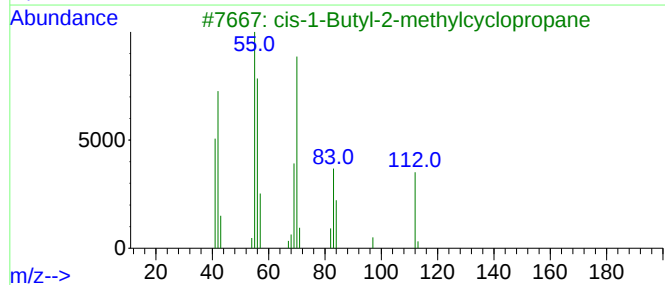
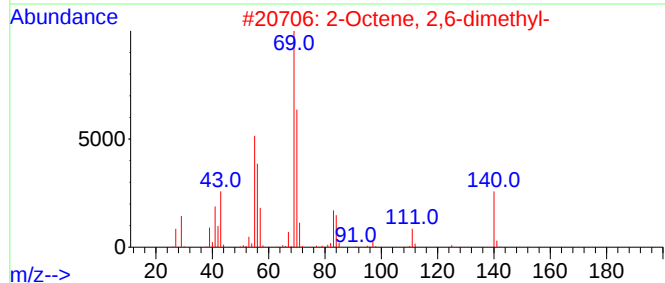
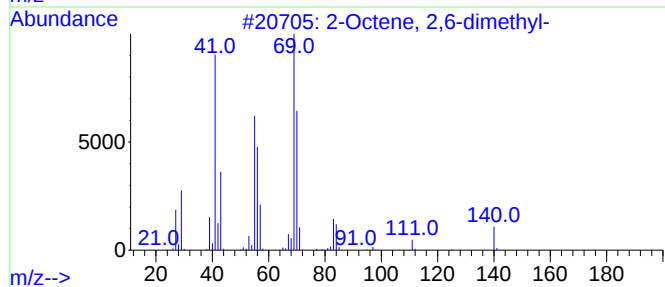
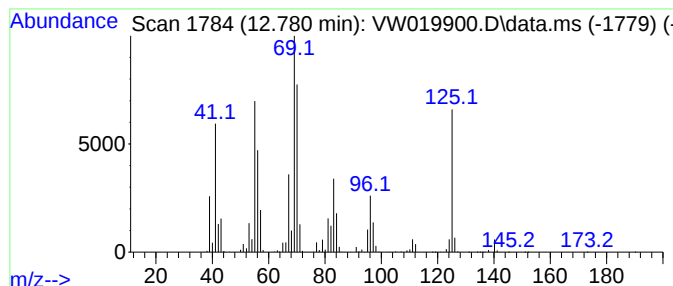
Instrument :
MSVOA_W
ClientSampleId :
EW7C3

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Quant Title : SFAM01.0

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

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.780	60.72 ug/L	2752690	1,4-Dichlorobenzene-d4			13.554
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-		140	C10H20	004057-42-5	64
2	2-Octene, 2,6-dimethyl-		140	C10H20	004057-42-5	64
3	cis-1-Butyl-2-methylcyclopropane		112	C8H16	038851-69-3	46
4	Cyclopentane, pentyl-		140	C10H20	003741-00-2	46
5	trans-1-Butyl-2-methylcyclopropane		112	C8H16	038851-70-6	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

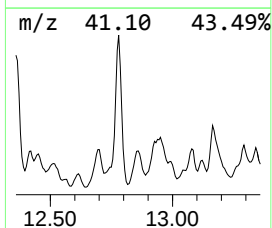
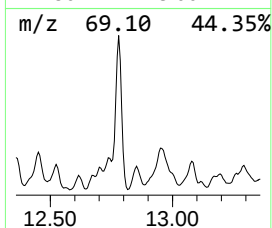
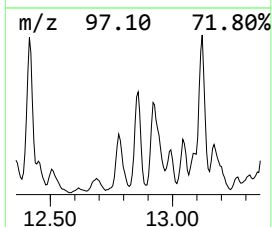
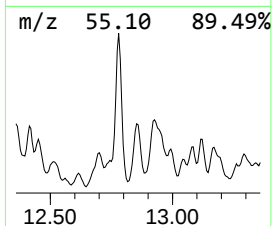
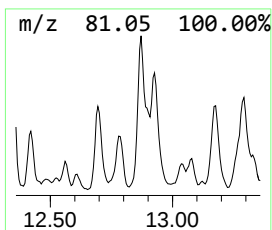
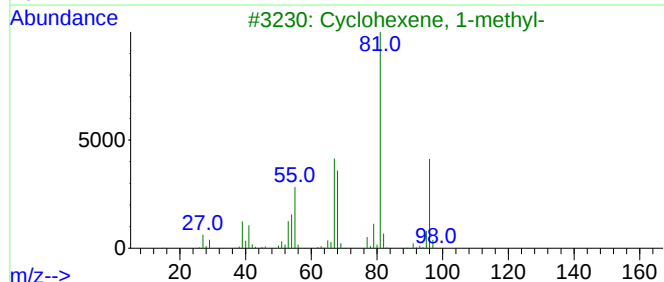
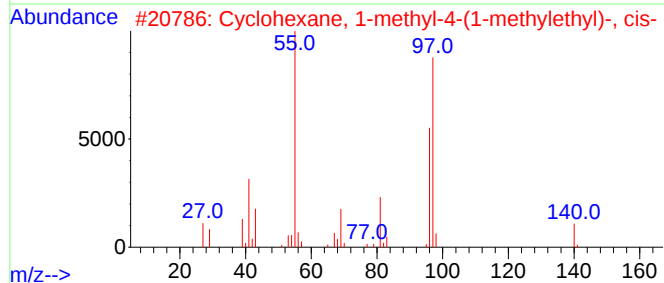
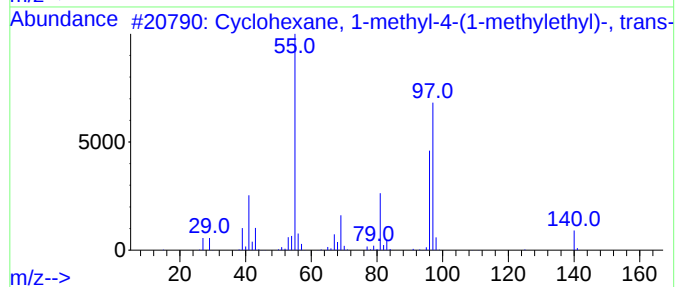
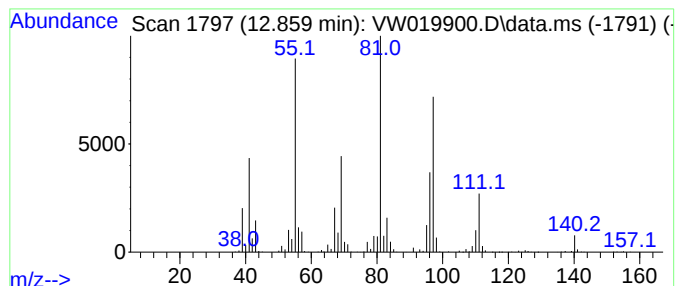
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Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Cyclic12.859 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	21.52 ug/L	975468	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	41
2			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	38
3			Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	38
4			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	38
5			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

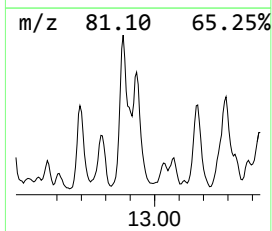
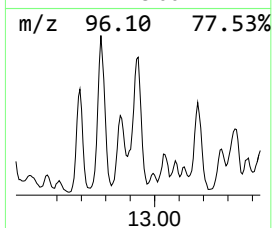
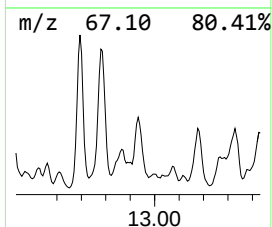
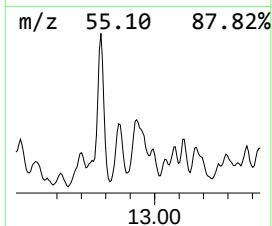
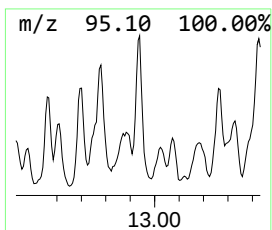
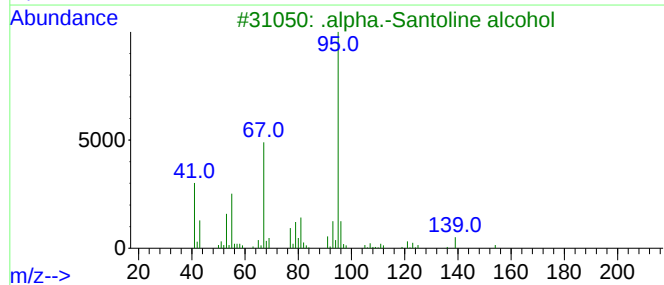
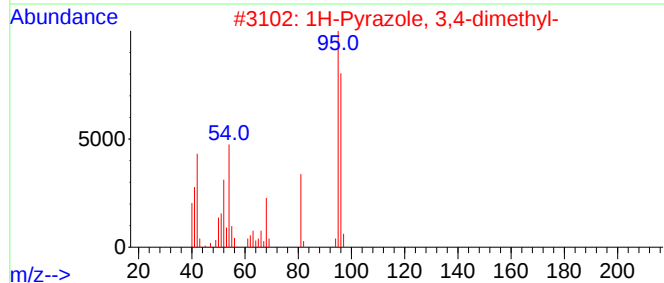
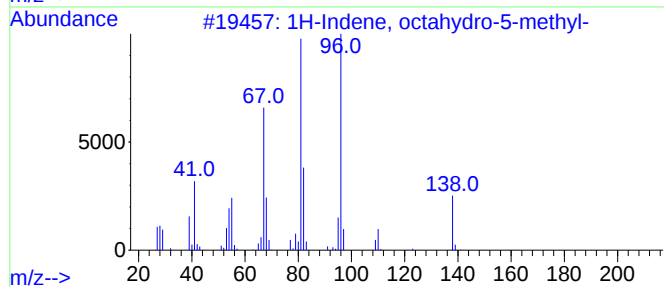
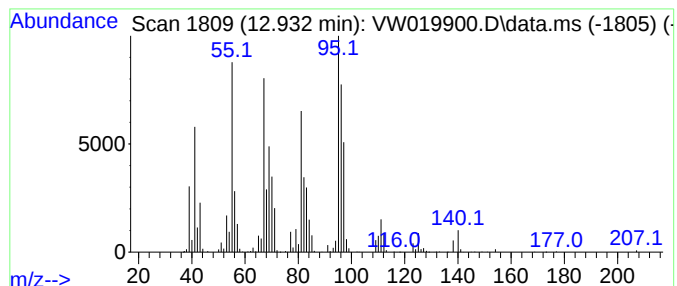
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Quant Title : SFAM01.0

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

Peak Number 34 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.932	22.27 ug/L	1009710	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, octahydro-5-methyl-	138	C10H18	019744-64-0	45
2			1H-Pyrazole, 3,4-dimethyl-	96	C5H8N2	002820-37-3	38
3			.alpha.-Santoline alcohol	154	C10H18O	090823-36-2	25
4			Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	25
5			Bicyclo[4.1.0]heptane, 2-methyl-	110	C8H14	041977-46-2	18



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

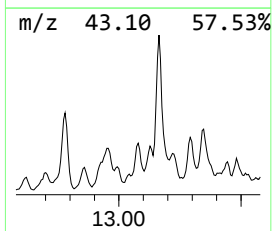
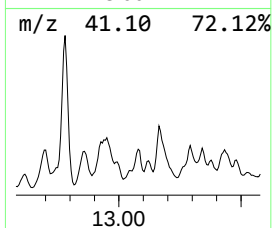
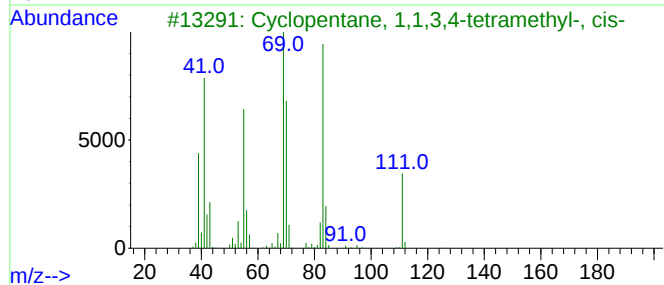
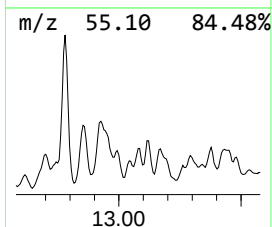
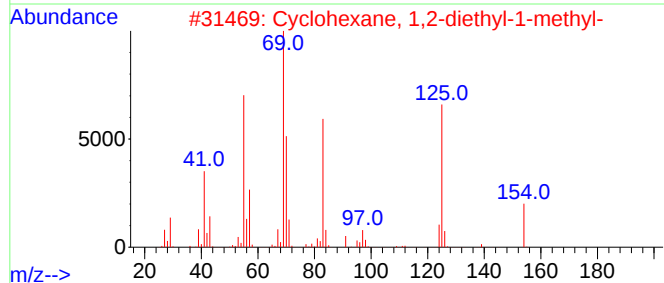
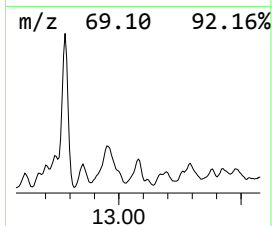
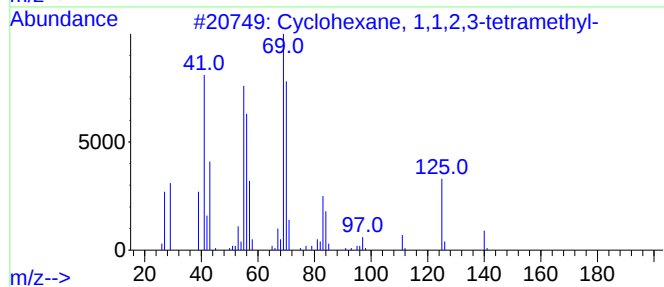
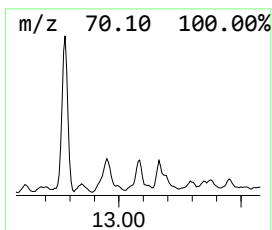
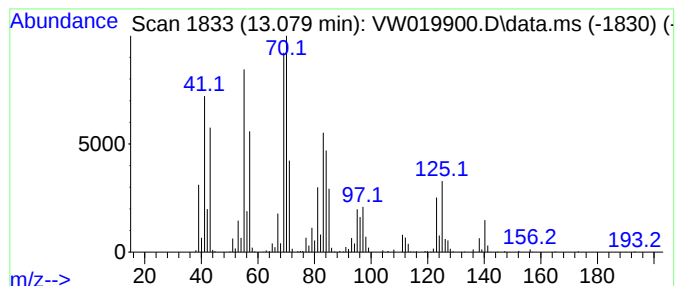
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Quant Title : SFAM01.0

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

Peak Number 35 (DEL) Alkane: Cyclic13.079 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.079	8.37 ug/L	379396	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	53
2			Cyclohexane, 1,2-diethyl-1-methyl-	154	C11H22	061141-79-5	38
3			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	35
4			Cyclohexanecarboxylic acid, 1-pr...	184	C11H20O2	004630-86-8	27
5			Furan, 2,3-dihydro-3-methyl-	84	C5H8O	001708-27-6	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

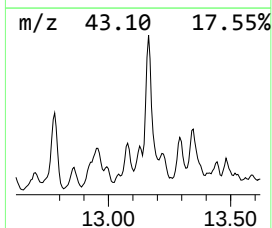
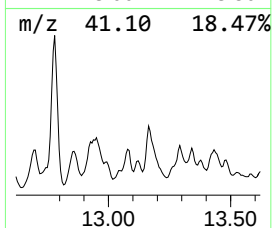
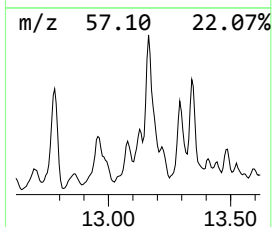
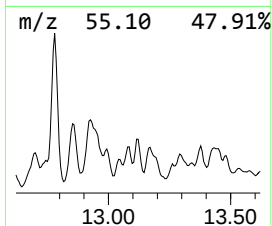
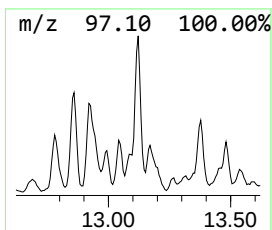
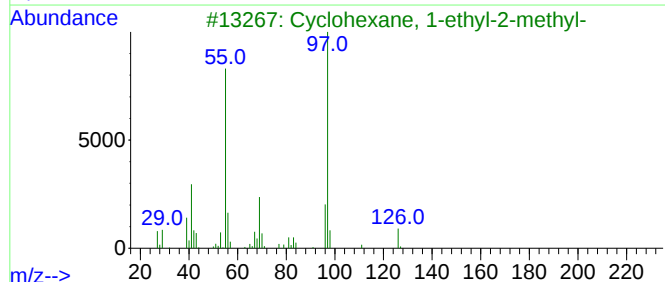
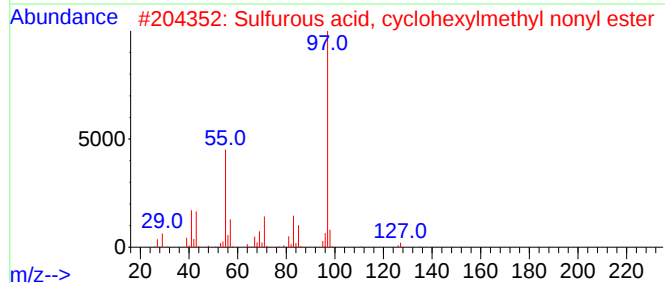
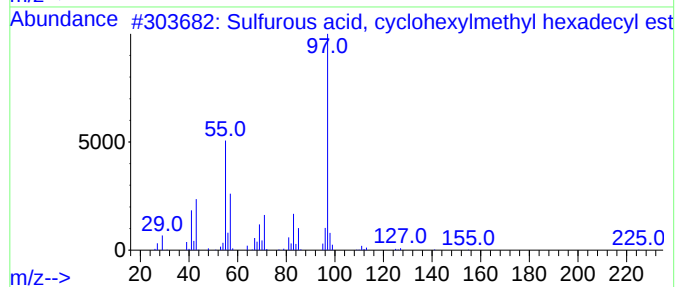
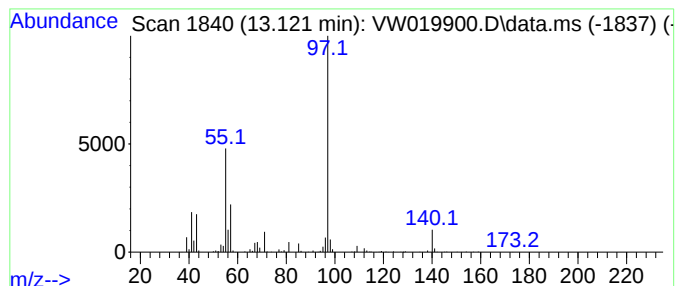
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Quant Title : SFAM01.0

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

Peak Number 36 Sulfurous acid, cyclohexylm... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.121	3.63 ug/L	164747	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	64
2			Sulfurous acid, cyclohexylmethyl...	304	C16H32O3S	1000309-21-8	64
3			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	59
4			Sulfurous acid, di(cyclohexylmet...	274	C14H26O3S	1010309-22-7	53
5			2-Pyrazoline, 1-butyl-5-methyl-	140	C8H16N2	022581-50-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

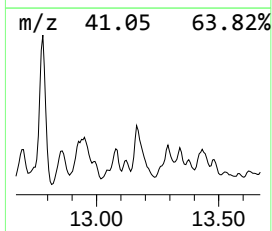
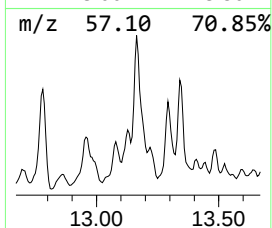
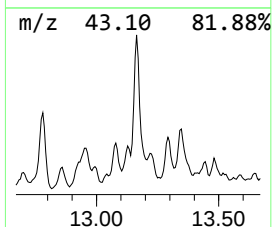
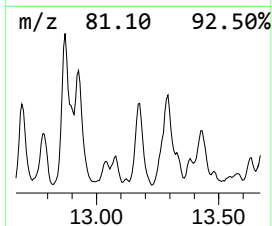
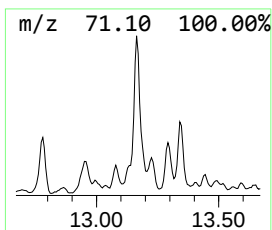
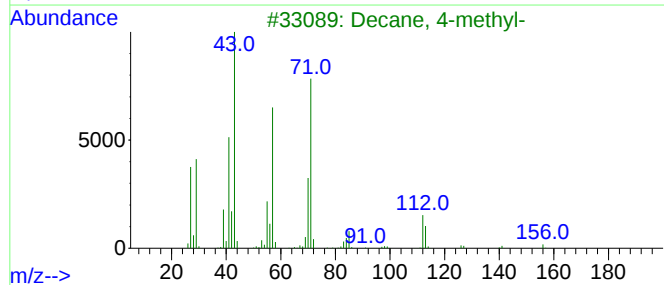
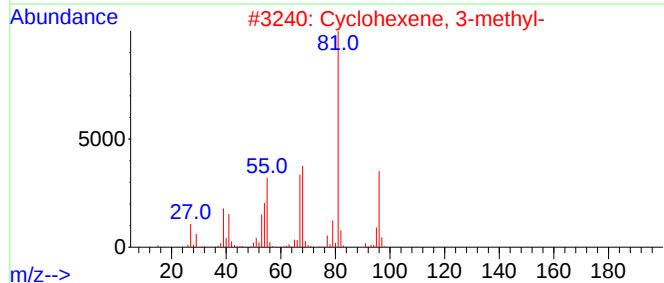
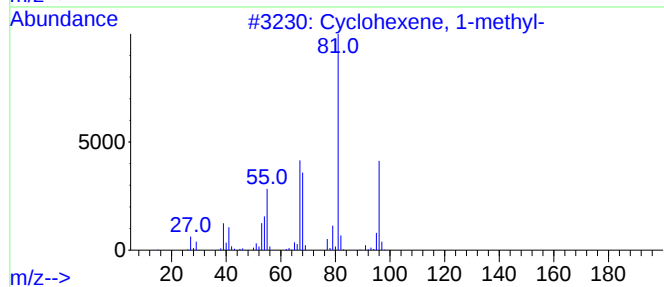
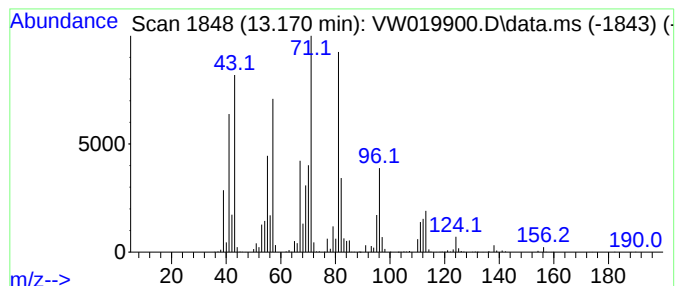
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Quant Title : SFAM01.0

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

Peak Number 37 unknown-02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.170	30.18 ug/L	1368140	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	46
2			Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	45
3			Decane, 4-methyl-	156	C11H24	002847-72-5	38
4			Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	38
5			Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

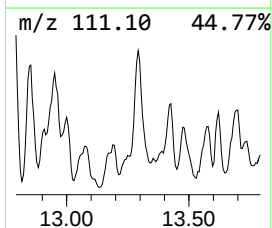
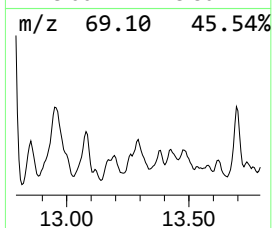
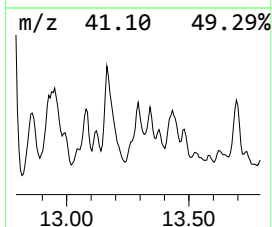
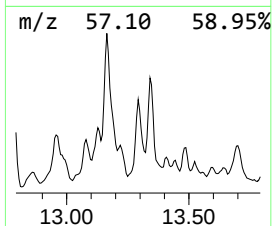
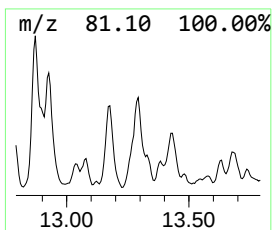
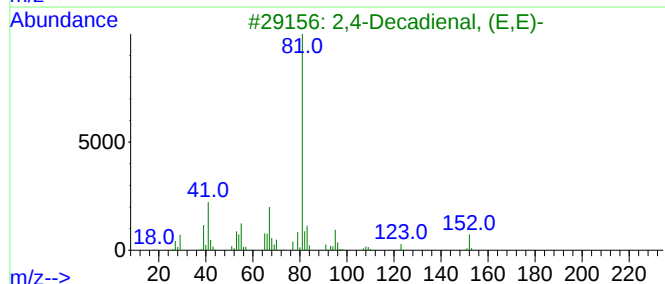
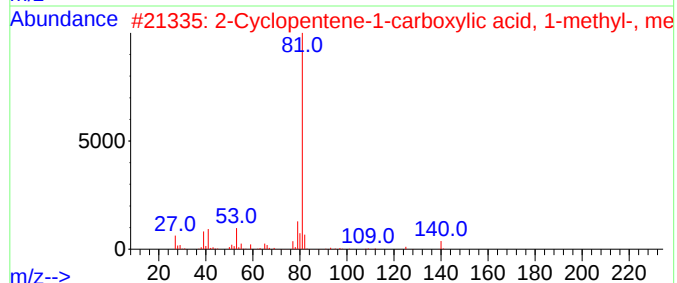
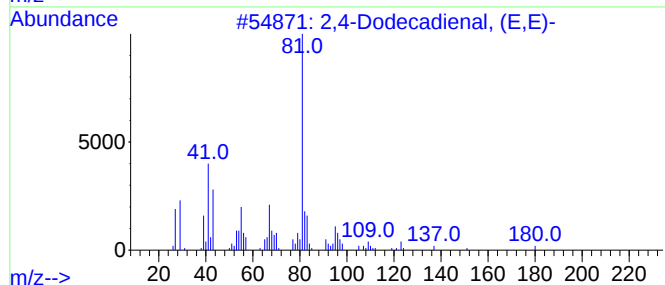
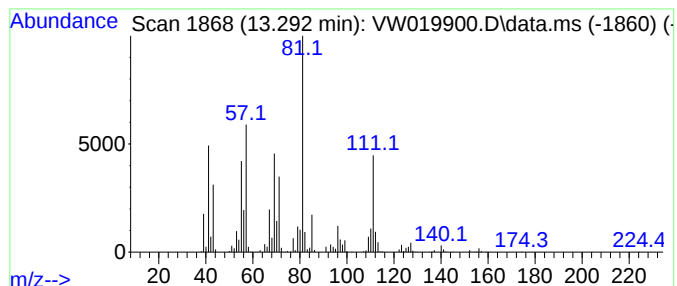
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Quant Title : SFAM01.0

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

Peak Number 38 unknown-03 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	22.20 ug/L	1006630	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,4-Dodecadienal, (E,E)-	180	C12H20O	021662-16-8	38
2			2-Cyclopentene-1-carboxylic acid...	140	C8H12O2	068317-73-7	38
3			2,4-Decadienal, (E,E)-	152	C10H16O	025152-84-5	35
4			Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	35
5			2H-Pyran, 2-[(1,1-dimethyl-2-but...	182	C11H18O2	024642-03-3	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

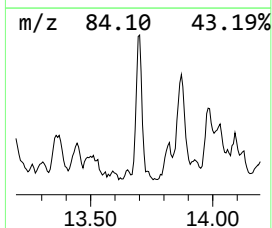
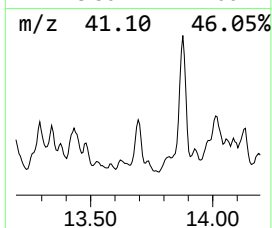
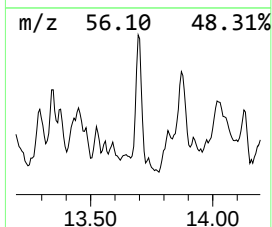
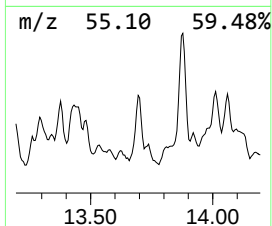
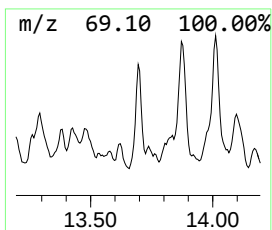
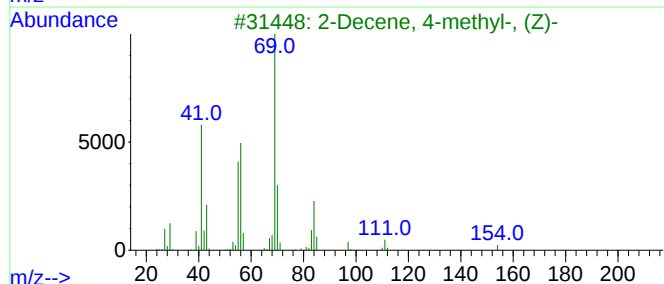
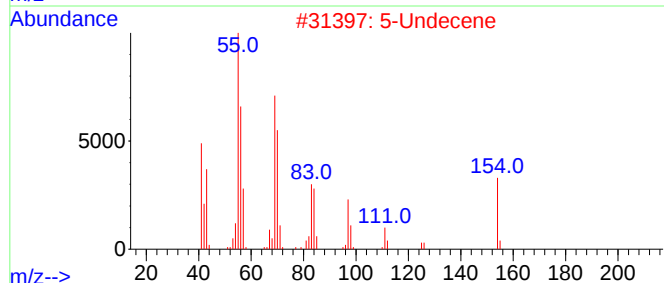
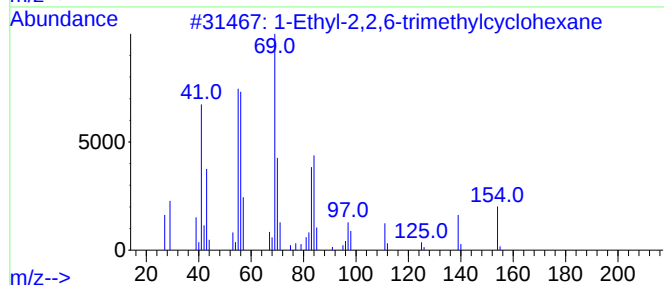
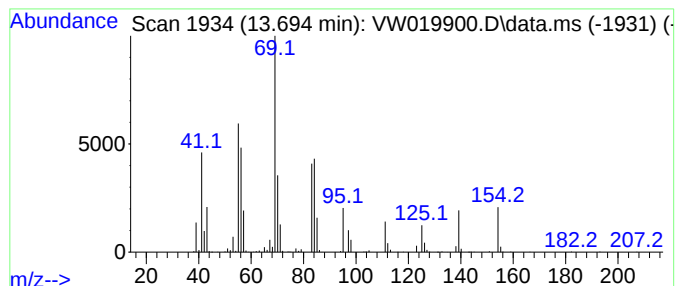
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Quant Title : SFAM01.0

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

Peak Number 39 (DEL) Alkane: Cyclic13.694 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.694	9.77 ug/L	442737	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	87
2		5-Undecene	154	C11H22	004941-53-1	72
3		2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	70
4		Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	53
5		Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

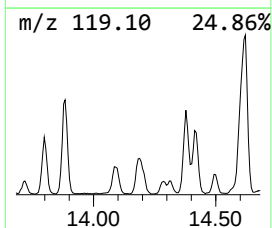
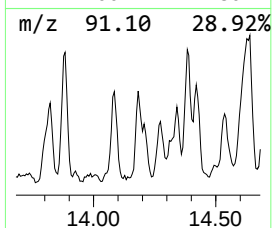
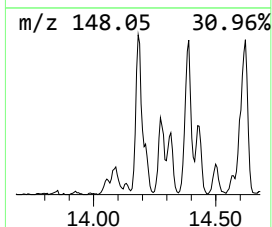
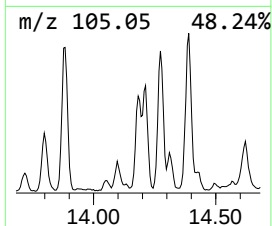
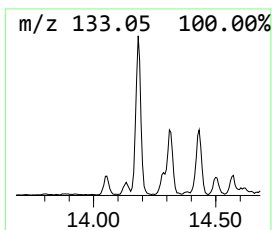
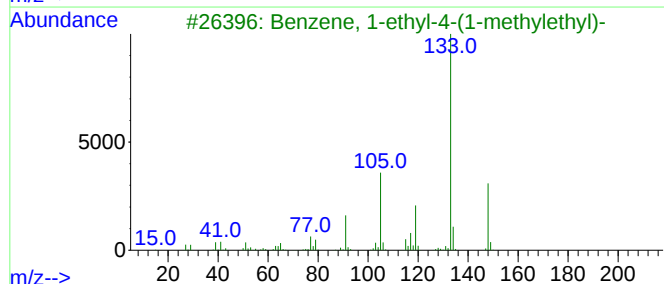
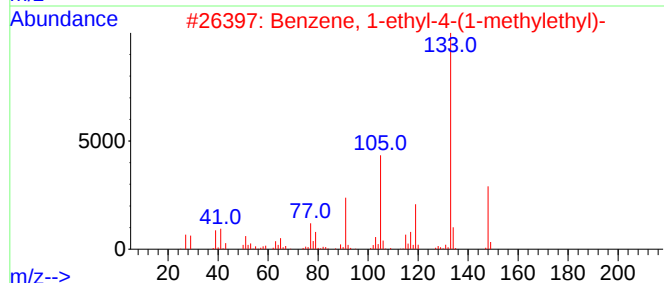
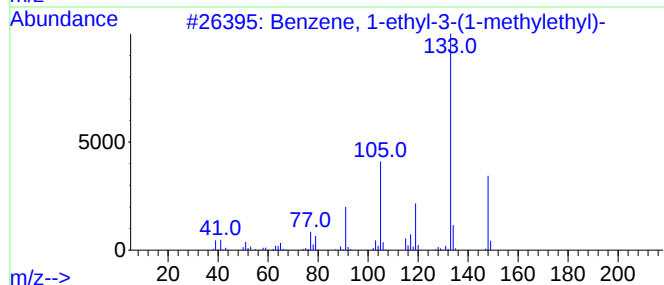
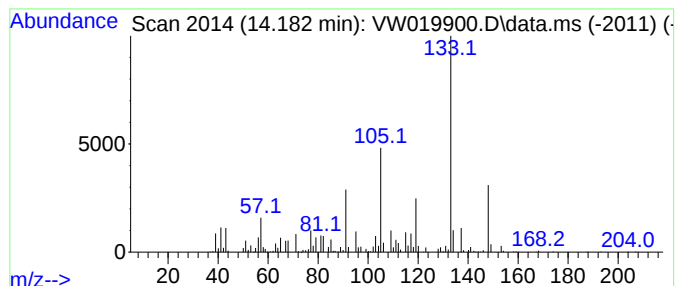
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Quant Title : SFAM01.0

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

Peak Number 40 Benzene, 1-ethyl-3-(1-methy... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.182	9.19 ug/L	416397	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	96
2			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	96
3			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	94
4			Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	91
5			Benzaldehyde, 4-(1-methylethyl)-	148	C10H12O	000122-03-2	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

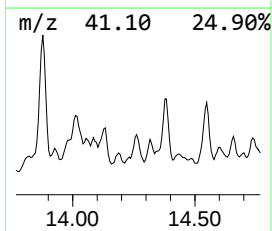
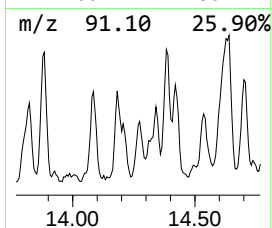
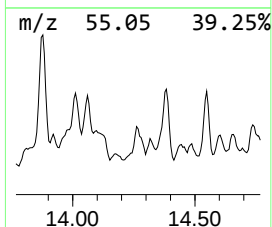
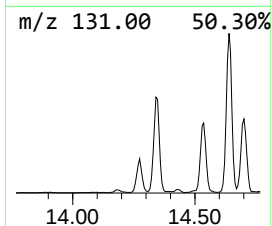
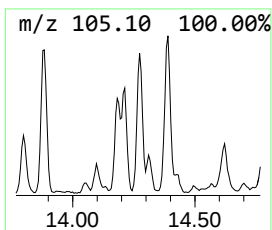
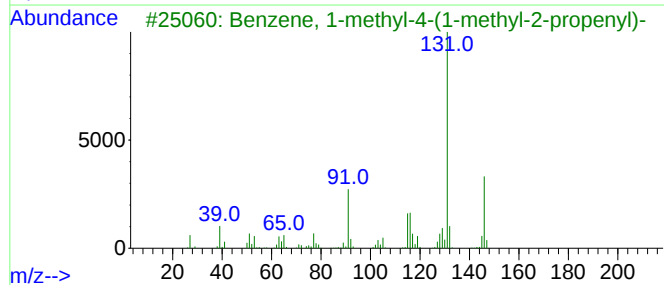
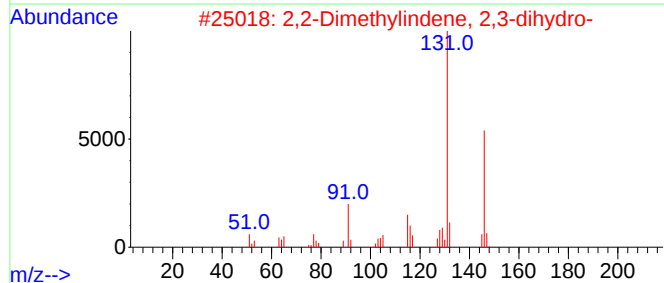
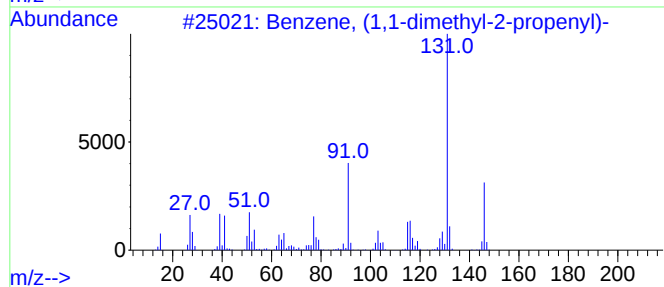
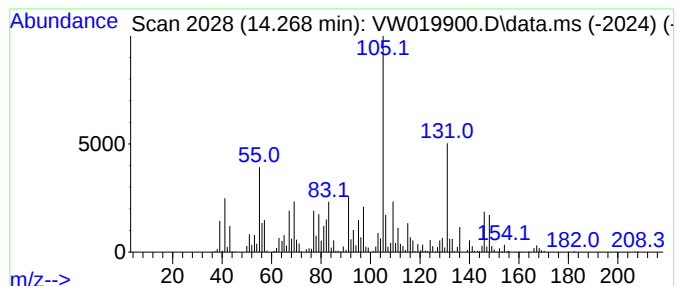
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Quant Title : SFAM01.0

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

Peak Number 41 Benzene, (1,1-dimethyl-2-propenyl)- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.268	10.22 ug/L	463417	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	68
2			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	43
3			Benzene, 1-methyl-4-(1-methyl-2-propenyl)-	146	C11H14	097664-18-1	35
4			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	35
5			4-Methyl-2H-benzopyrane	146	C10H10O	021776-94-3	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

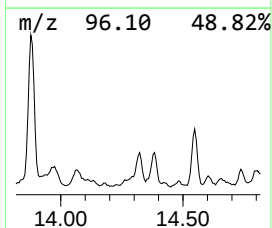
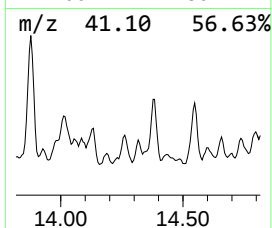
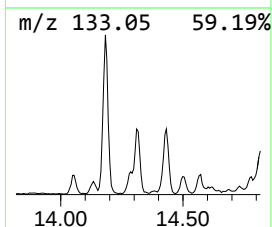
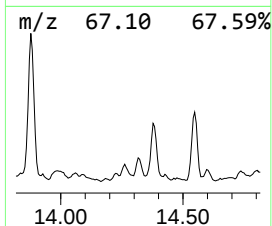
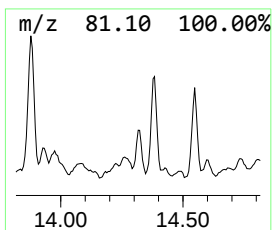
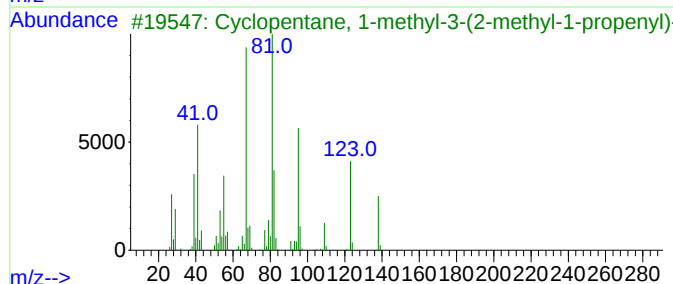
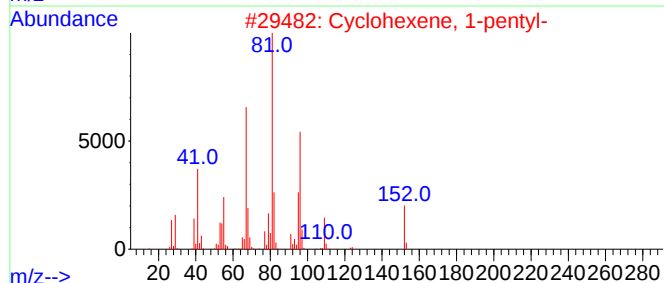
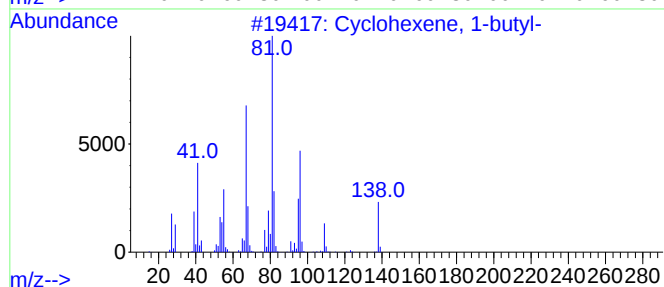
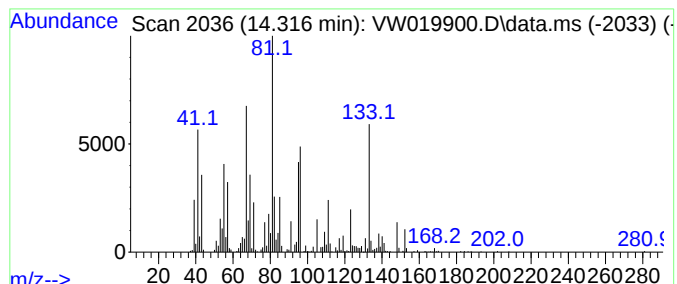
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Quant Title : SFAM01.0

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

Peak Number 42 Cyclohexene, 1-butyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.316	6.57 ug/L	297937	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	70
2			Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	55
3			Cyclopentane, 1-methyl-3-(2-meth...	138	C10H18	075873-01-7	55
4			Cyclohexene, 3-pentyl-	152	C11H20	015232-92-5	50
5			Cyclohexene,1-hexyl-	166	C12H22	003964-66-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

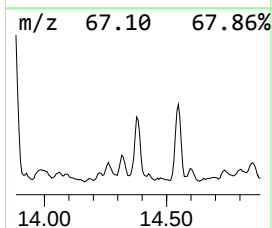
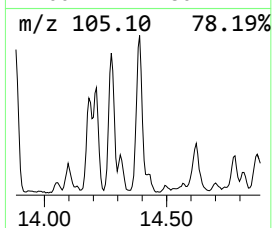
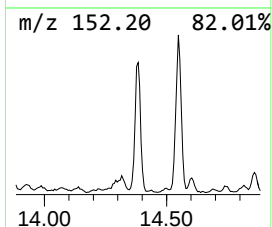
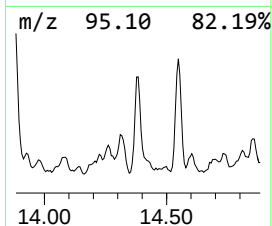
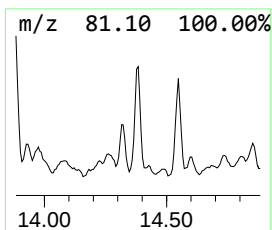
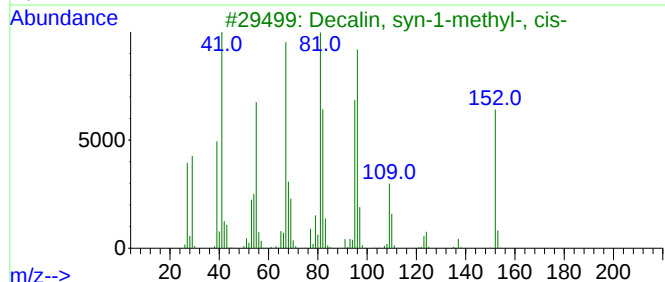
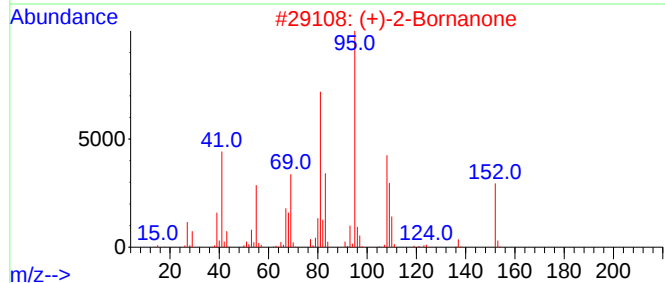
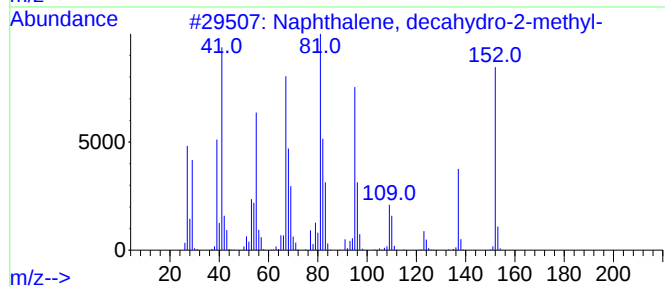
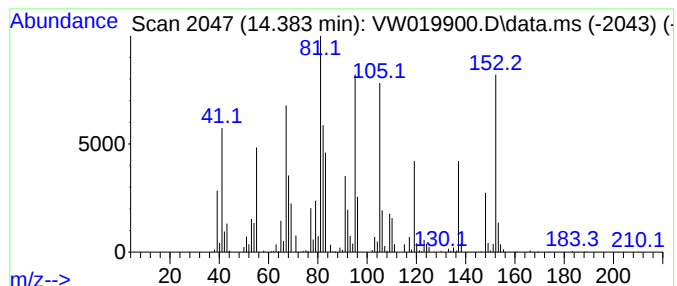
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Quant Title : SFAM01.0

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

Peak Number 43 Naphthalene, decahydro-2-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	19.04 ug/L	863306	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	94
2			(+)-2-Bornanone	152	C10H16O	000464-49-3	52
3			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	49
4			Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	49
5			Pulegone	152	C10H16O	000089-82-7	41



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

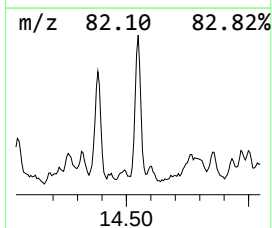
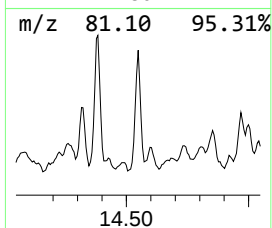
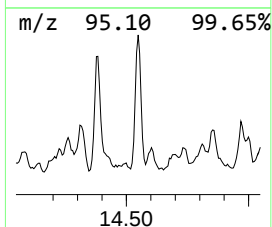
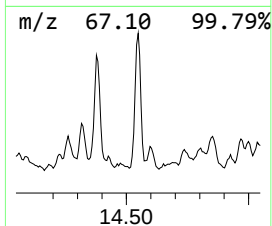
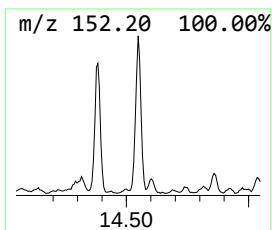
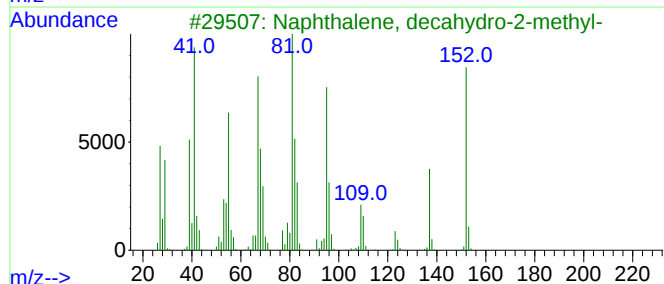
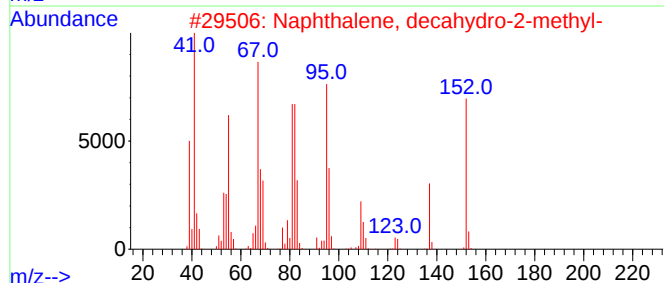
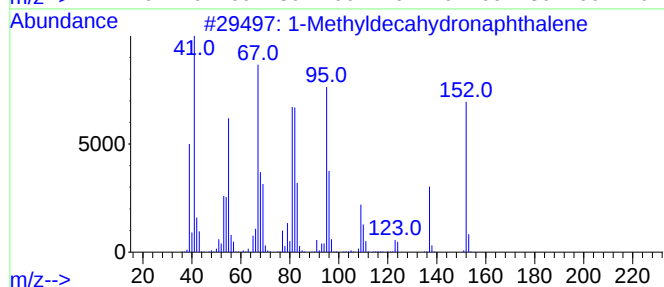
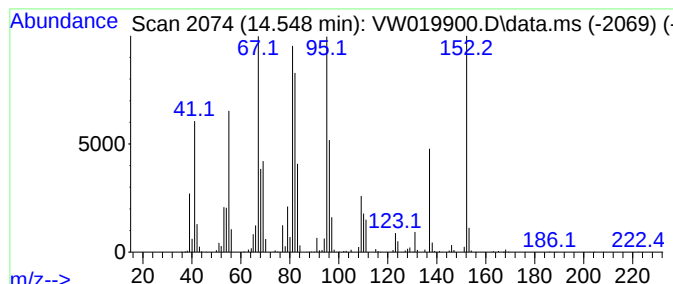
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Quant Title : SFAM01.0

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

Peak Number 44 1-Methyldecahydronaphthalene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.548	20.83 ug/L	944249	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	97
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
3			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
4			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	90
5			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

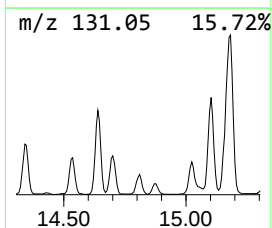
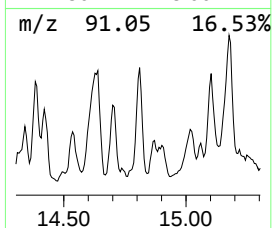
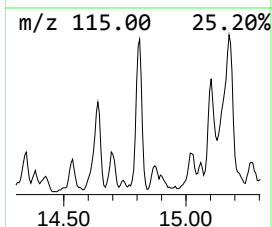
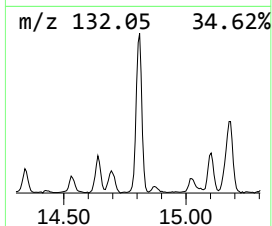
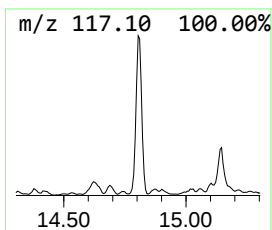
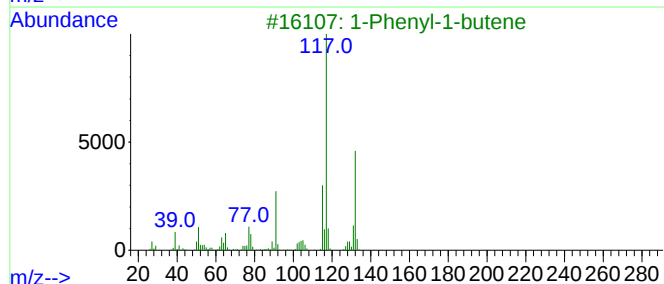
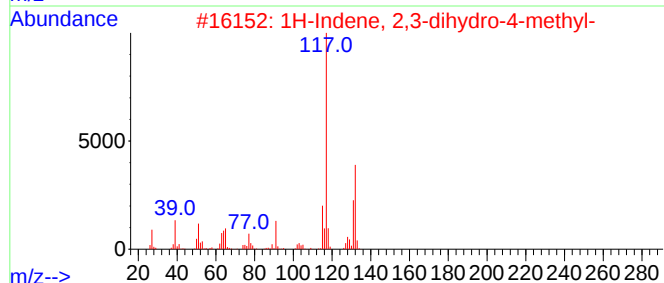
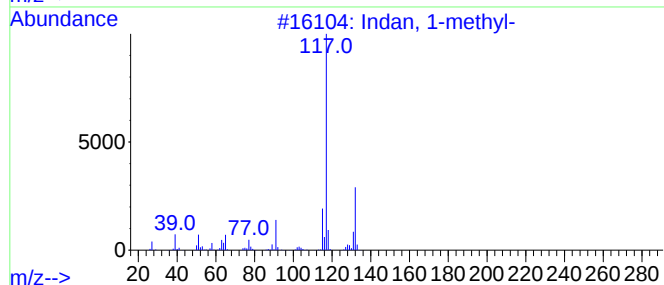
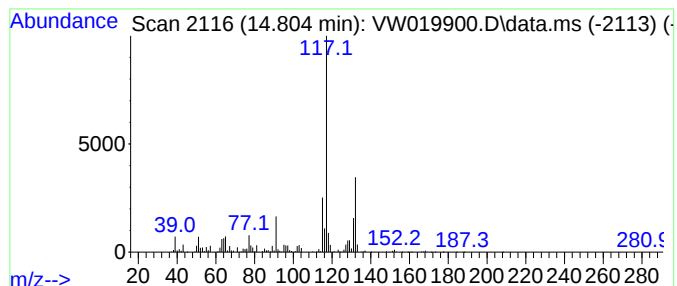
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Quant Title : SFAM01.0

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

Peak Number 45 Indan, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.804	12.55 ug/L	569026	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indan, 1-methyl-	132	C10H12	000767-58-8	93
2			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
3			1-Phenyl-1-butene	132	C10H12	000824-90-8	93
4			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
5			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

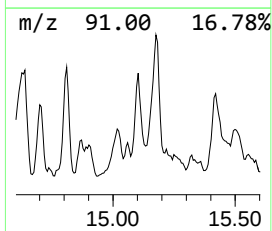
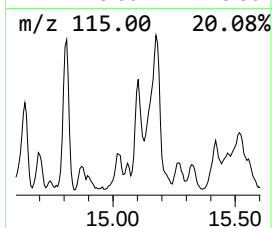
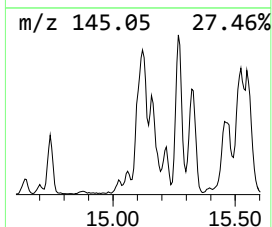
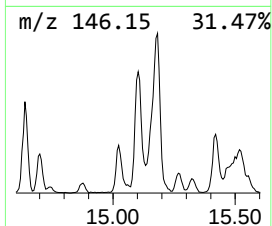
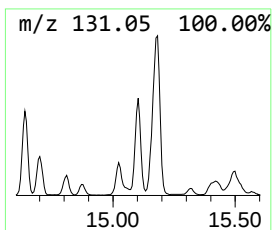
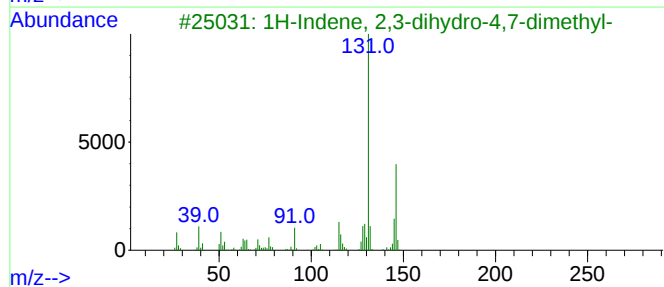
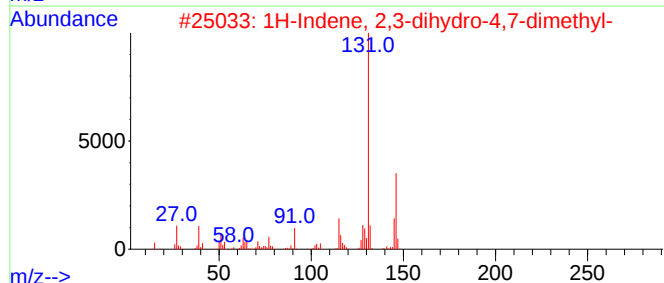
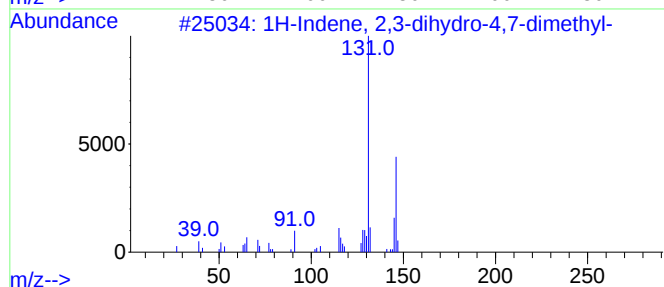
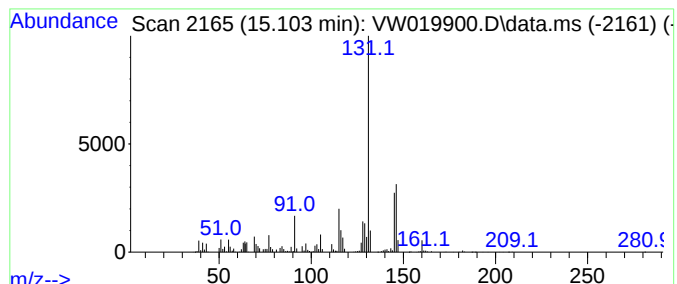
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Quant Title : SFAM01.0

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

Peak Number 46 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.103	18.08 ug/L	819665	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
3			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
4			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87
5			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

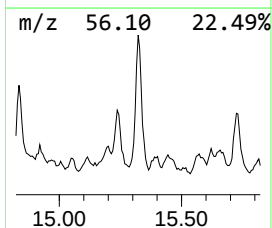
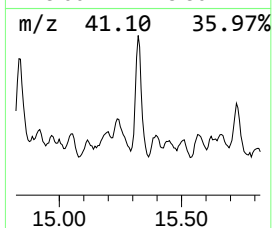
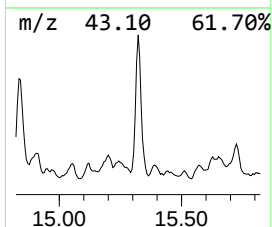
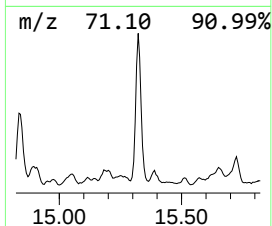
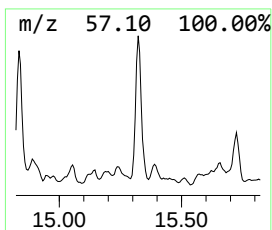
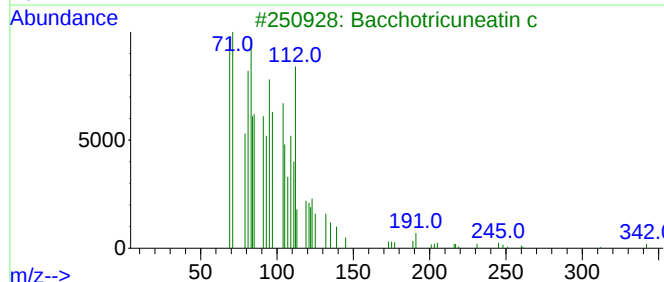
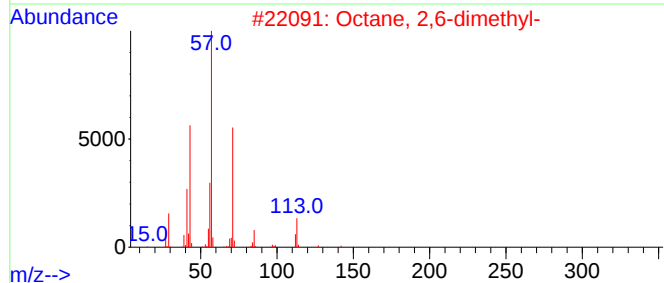
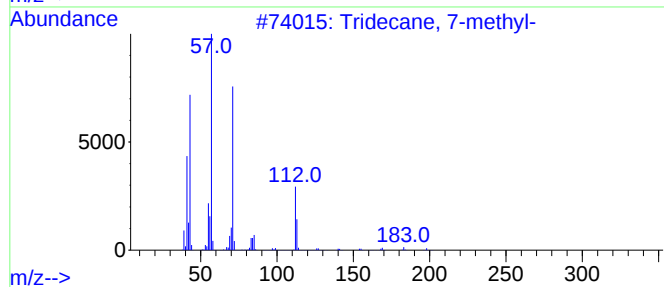
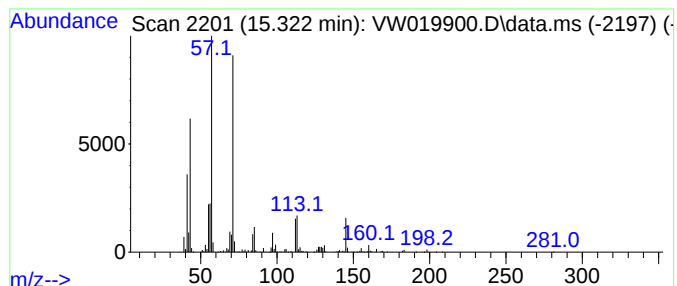
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Quant Title : SFAM01.0

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

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	31.03 ug/L	1406710	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane, 7-methyl-	198	C14H30	026730-14-3	87
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
3		Bacchotricuneatin c	342	C20H22O5	066563-30-2	64
4		Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	64
5		Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019900.D
Acq On : 25 Aug 2021 17:36
Operator : SY/VA
Sample : M3526-13
Misc : 5.70g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C3

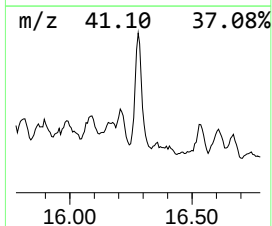
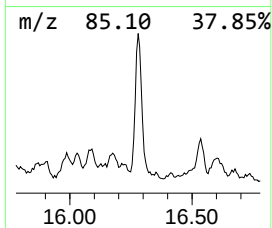
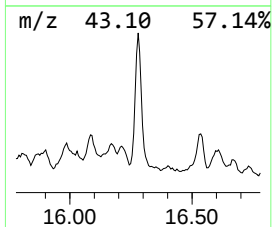
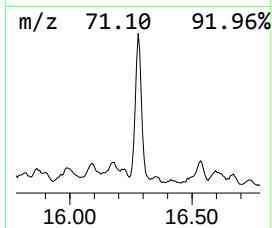
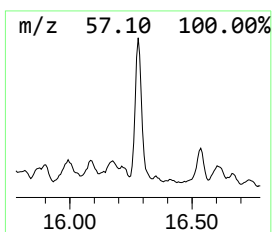
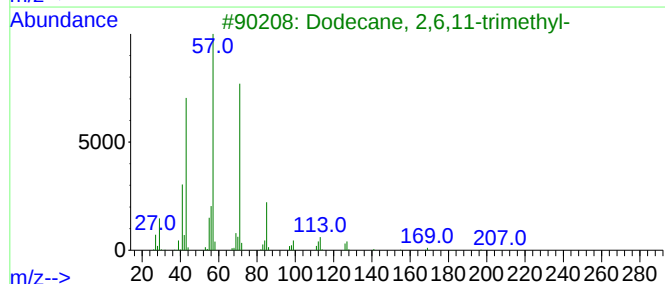
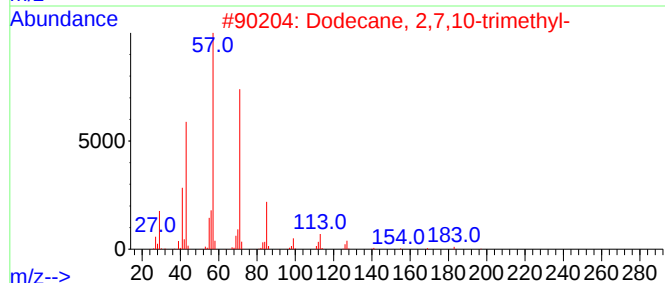
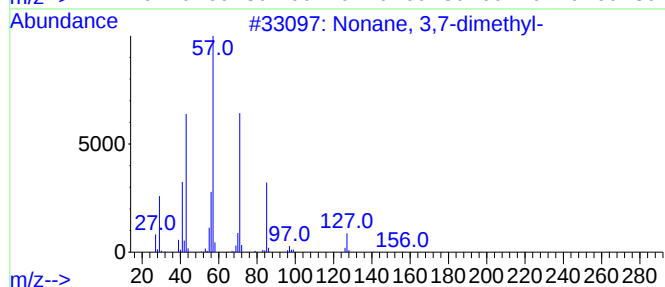
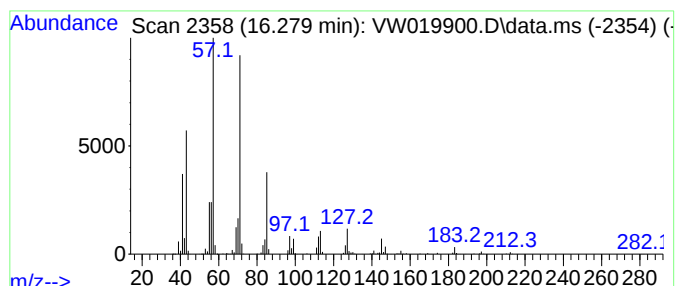
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Quant Title : SFAM01.0

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

Peak Number 48 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.279	18.87 ug/L	855332	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	87
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	78
4		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	74
5		Tetradecane, 4-methyl-	212	C15H32	025117-24-2	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
 Data File : VW019900.D
 Acq On : 25 Aug 2021 17:36
 Operator : SY/VA
 Sample : M3526-13
 Misc : 5.70g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW7C3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
 Quant Title : SFAM01.0

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

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	9.384	1.9	ug/L	80670	1	8.842	1081970	25.0
(DEL) Alkane: C...	9.610	13.9	ug/L	601029	1	8.842	1081970	25.0
(DEL) Alkane: C...	9.756	8.8	ug/L	379965	1	8.842	1081970	25.0
(DEL) Alkane: S...	9.945	4.2	ug/L	183661	1	8.842	1081970	25.0
(DEL) Alkane: S...	10.085	10.0	ug/L	431221	1	8.842	1081970	25.0
(DEL) Alkane: C...	10.213	4.0	ug/L	175015	1	8.842	1081970	25.0
(DEL) Alkane: C...	10.494	12.8	ug/L	641177	2	11.634	1253340	25.0
(DEL) Alkane: C...	10.665	39.2	ug/L	1964440	2	11.634	1253340	25.0
(DEL) Alkane: C...	10.762	16.9	ug/L	846398	2	11.634	1253340	25.0
(DEL) Alkane: C...	10.811	3.4	ug/L	170533	2	11.634	1253340	25.0
(DEL) Alkane: C...	10.847	2.2	ug/L	111808	2	11.634	1253340	25.0
(DEL) Alkane: S...	11.030	12.2	ug/L	611932	2	11.634	1253340	25.0
(DEL) Alkane: C...	11.116	5.2	ug/L	262480	2	11.634	1253340	25.0
(DEL) Alkane: C...	11.146	14.7	ug/L	734244	2	11.634	1253340	25.0
(DEL) Alkane: C...	11.232	73.9	ug/L	3705620	2	11.634	1253340	25.0
(DEL) Alkane: C...	11.286	11.6	ug/L	582544	2	11.634	1253340	25.0
(DEL) Alkane: C...	11.329	21.4	ug/L	1074690	2	11.634	1253340	25.0
(DEL) Alkane: S...	11.384	1.9	ug/L	93039	2	11.634	1253340	25.0
(DEL) Alkane: C...	11.439	32.6	ug/L	1633930	2	11.634	1253340	25.0
(DEL) Alkane: C...	11.561	2.0	ug/L	102116	2	11.634	1253340	25.0
Pentalene, octa...	11.725	3.3	ug/L	163960	2	11.634	1253340	25.0
(DEL) Alkane: C...	11.768	16.4	ug/L	819901	2	11.634	1253340	25.0
(DEL) Alkane: S...	11.817	6.0	ug/L	299611	2	11.634	1253340	25.0
(DEL) Alkane: C...	11.896	38.4	ug/L	1924230	2	11.634	1253340	25.0
(DEL) Alkane: S...	11.975	9.9	ug/L	496231	2	11.634	1253340	25.0
Cyclohexene, 1-...	12.036	10.4	ug/L	523230	2	11.634	1253340	25.0
(DEL) Alkane: S...	12.140	50.8	ug/L	2546670	2	11.634	1253340	25.0
(DEL) Alkane: C...	12.305	11.2	ug/L	560787	2	11.634	1253340	25.0
Bicyclo[3.3.1]n...	12.341	30.6	ug/L	1535210	2	11.634	1253340	25.0
(DEL) Alkane: C...	12.615	6.3	ug/L	284074	3	13.554	1133360	25.0
(DEL) Alkane: S...	12.780	60.7	ug/L	2752690	3	13.554	1133360	25.0
(DEL) Alkane: C...	12.859	21.5	ug/L	975468	3	13.554	1133360	25.0
unknown-01	12.932	22.3	ug/L	1009710	3	13.554	1133360	25.0
(DEL) Alkane: C...	13.079	8.4	ug/L	379396	3	13.554	1133360	25.0
Sulfurous acid,...	13.121	3.6	ug/L	164747	3	13.554	1133360	25.0
unknown-02	13.170	30.2	ug/L	1368140	3	13.554	1133360	25.0
unknown-03	13.292	22.2	ug/L	1006630	3	13.554	1133360	25.0
(DEL) Alkane: C...	13.694	9.8	ug/L	442737	3	13.554	1133360	25.0
Benzene, 1-ethy...	14.182	9.2	ug/L	416397	3	13.554	1133360	25.0
Benzene, (1,1-d...	14.268	10.2	ug/L	463417	3	13.554	1133360	25.0
Cyclohexene, 1-...	14.316	6.6	ug/L	297937	3	13.554	1133360	25.0
Naphthalene, de...	14.383	19.0	ug/L	863306	3	13.554	1133360	25.0
1-Methyldecahyd...	14.548	20.8	ug/L	944249	3	13.554	1133360	25.0
Indan, 1-methyl-	14.804	12.6	ug/L	569026	3	13.554	1133360	25.0
1H-Indene, 2,3-...	15.103	18.1	ug/L	819665	3	13.554	1133360	25.0
(DEL) Alkane: S...	15.322	31.0	ug/L	1406710	3	13.554	1133360	25.0
(DEL) Alkane: S...	16.279	18.9	ug/L	855332	3	13.554	1133360	25.0