

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
 Data File : VW018688.D
 Acq On : 20 Apr 2021 14:00
 Operator : SY/VA
 Sample : M2065-09
 Misc : 5.03G/10ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG562

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\SFAMWLM041421SMA.M
 Title : SFAM01.0

Signal : TIC: VW018688.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.989	11	14	23	rVB	22047	47966	1.05%	0.069%
2	2.160	35	42	48	rBV	12538	32208	0.71%	0.046%
3	2.355	66	74	83	rVB	102417	200527	4.40%	0.288%
4	2.495	95	97	103	rBV2	2854	4864	0.11%	0.007%
5	2.654	121	123	124	rBV	2219	1723	0.04%	0.002%
6	2.818	148	150	152	rVV3	1935	1190	0.03%	0.002%
7	2.892	155	162	175	rVB	76994	190325	4.18%	0.273%
8	3.300	227	229	234	rVB5	843	1425	0.03%	0.002%
9	3.385	239	243	252	rVB5	3294	8879	0.19%	0.013%
10	3.580	270	275	281	rBV7	943	2376	0.05%	0.003%
11	4.019	335	347	360	rBV	136355	406819	8.93%	0.585%
12	4.135	360	366	373	rVV2	10238	29556	0.65%	0.042%
13	4.202	373	377	388	rVB8	3515	10986	0.24%	0.016%
14	4.391	397	408	436	rBV4	15118	85906	1.89%	0.123%
15	4.922	480	495	511	rBV3	41172	150030	3.29%	0.216%
16	5.440	572	580	582	rBV6	1428	3499	0.08%	0.005%
17	5.781	626	636	638	rBV6	1862	4223	0.09%	0.006%
18	5.946	651	663	675	rBV3	16702	51153	1.12%	0.074%
19	6.293	716	720	721	rVV4	715	1022	0.02%	0.001%
20	6.708	784	788	789	rVV4	963	1340	0.03%	0.002%
21	6.726	789	791	796	rVV5	1028	1845	0.04%	0.003%
22	6.982	829	833	834	rBV3	1111	1531	0.03%	0.002%
23	7.080	839	849	854	rBV	55691	151679	3.33%	0.218%
24	7.141	854	859	876	rVB2	48717	153644	3.37%	0.221%
25	7.330	888	890	895	rVB6	1018	1402	0.03%	0.002%
26	7.500	915	918	919	rBV3	1225	1264	0.03%	0.002%
27	7.653	932	943	955	rVV	285887	701891	15.41%	1.009%
28	7.830	970	972	973	rBV2	1159	934	0.02%	0.001%
29	7.915	983	986	987	rVV3	1380	1478	0.03%	0.002%
30	7.958	987	993	1000	rVV8	3796	10792	0.24%	0.016%
31	8.031	1000	1005	1011	rVV5	4393	10316	0.23%	0.015%
32	8.147	1020	1024	1025	rBV3	2697	2865	0.06%	0.004%
33	8.275	1032	1045	1060	rBV3	553794	1876795	41.20%	2.697%
34	8.403	1063	1066	1067	rBV3	2092	2264	0.05%	0.003%
35	8.476	1072	1078	1088	rVB2	21669	55388	1.22%	0.080%
36	8.842	1129	1138	1147	rBV	639624	1264658	27.76%	1.817%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
 Title : SFAM01.0

37	9.073	1170	1176	1186	rBV	34137	75394	1.66%	0.108%
38	9.274	1201	1209	1216	rBV	372797	768902	16.88%	1.105%
39	9.762	1283	1289	1295	rVB	26818	53711	1.18%	0.077%
40	9.896	1304	1311	1317	rBV2	35927	76121	1.67%	0.109%
41	10.037	1328	1334	1341	rBV2	109891	204038	4.48%	0.293%
42	10.207	1360	1362	1363	rBV2	8747	7495	0.16%	0.011%
43	10.250	1365	1369	1374	rVB2	34222	56435	1.24%	0.081%
44	10.323	1374	1381	1389	rBV	576211	1030097	22.61%	1.480%
45	10.579	1418	1423	1432	rVB2	81024	145085	3.19%	0.208%
46	10.707	1438	1444	1450	rBV	119272	213686	4.69%	0.307%
47	10.927	1474	1480	1488	rBV	236305	427767	9.39%	0.615%
48	11.061	1494	1502	1507	rBV2	68791	163864	3.60%	0.235%
49	11.231	1526	1530	1535	rVB	37541	57445	1.26%	0.083%
50	11.341	1544	1548	1551	rBV3	25697	35044	0.77%	0.050%
51	11.439	1559	1564	1570	rVB	126986	218034	4.79%	0.313%
52	11.506	1572	1575	1577	rBV2	23116	29648	0.65%	0.043%
53	11.634	1588	1596	1603	rBV	718945	1304923	28.65%	1.875%
54	11.817	1622	1626	1631	rBV2	58800	109572	2.41%	0.157%
55	11.878	1631	1636	1640	rBV2	81426	137168	3.01%	0.197%
56	11.981	1648	1653	1654	rBV2	62503	100289	2.20%	0.144%
57	12.061	1662	1666	1671	rVB2	109945	179498	3.94%	0.258%
58	12.134	1672	1678	1684	rBV3	254817	541256	11.88%	0.778%
59	12.250	1690	1697	1702	rVB	564483	1023813	22.48%	1.471%
60	12.359	1703	1715	1721	rBV2	709854	1838317	40.36%	2.642%
61	12.457	1727	1731	1733	rBV2	130415	215994	4.74%	0.310%
62	12.500	1735	1738	1746	rVB4	340517	659636	14.48%	0.948%
63	12.597	1748	1754	1762	rBV2	539490	1715683	37.67%	2.465%
64	12.695	1764	1770	1775	rVB4	498450	993530	21.81%	1.428%
65	12.780	1776	1784	1790	rVB5	496665	1445910	31.74%	2.078%
66	12.859	1790	1797	1801	rBV3	320310	748959	16.44%	1.076%
67	12.945	1803	1811	1824	rBV7	592622	2623920	57.61%	3.770%
68	13.079	1824	1833	1836	rBV4	560460	1292376	28.37%	1.857%
69	13.127	1836	1841	1844	rBV2	649466	1034511	22.71%	1.487%
70	13.164	1844	1847	1850	rBV	660827	932718	20.48%	1.340%
71	13.292	1864	1868	1873	rBV	758508	1186641	26.05%	1.705%
72	13.341	1873	1876	1880	rBV2	505127	715560	15.71%	1.028%
73	13.408	1883	1887	1890	rBV	861716	1249670	27.44%	1.796%
74	13.481	1897	1899	1903	rVB3	325547	394375	8.66%	0.567%
75	13.560	1908	1912	1914	rVV	473434	692872	15.21%	0.996%
76	13.597	1914	1918	1929	rVB	1259373	3033007	66.59%	4.358%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
 Title : SFAM01.0

77	13.694	1929	1934	1938	rBV3	481418	969059	21.27%	1.392%
78	13.768	1943	1946	1954	rVB3	479329	713471	15.66%	1.025%
79	13.877	1956	1964	1967	rBV4	886647	2113472	46.40%	3.037%
80	13.920	1968	1971	1977	rVB4	497763	795128	17.46%	1.143%
81	13.981	1978	1981	1984	rVB2	447861	546923	12.01%	0.786%
82	14.030	1984	1989	1992	rBV3	516915	1042169	22.88%	1.498%
83	14.127	2002	2005	2012	rVB	1314456	2341106	51.40%	3.364%
84	14.188	2012	2015	2019	rBV	506628	726328	15.95%	1.044%
85	14.261	2022	2027	2033	rVV3	787700	1435811	31.52%	2.063%
86	14.316	2033	2036	2039	rVB3	236230	285504	6.27%	0.410%
87	14.383	2040	2047	2052	rBV3	1370690	2580371	56.65%	3.708%
88	14.499	2061	2066	2068	rBV4	471260	876827	19.25%	1.260%
89	14.658	2089	2092	2101	rVB3	393157	659370	14.48%	0.947%
90	14.737	2102	2105	2111	rBV3	305379	694740	15.25%	0.998%
91	14.798	2111	2115	2117	rVV2	697077	1097867	24.10%	1.578%
92	14.834	2117	2121	2129	rVB	2300645	4183634	91.85%	6.012%
93	15.152	2165	2173	2178	rBV5	371953	1301745	28.58%	1.871%
94	15.322	2196	2201	2208	rVB	2781652	4555003	100.00%	6.545%
95	15.395	2208	2213	2217	rBV4	405205	839393	18.43%	1.206%
96	15.572	2238	2242	2247	rBV3	364886	741809	16.29%	1.066%
97	15.633	2247	2252	2261	rVV8	642872	2385783	52.38%	3.428%
98	15.725	2264	2267	2276	rVB4	939264	1786120	39.21%	2.567%
99	16.212	2344	2347	2352	rVB2	375917	621755	13.65%	0.893%
100	16.279	2353	2358	2367	rVB	1566328	3091888	67.88%	4.443%

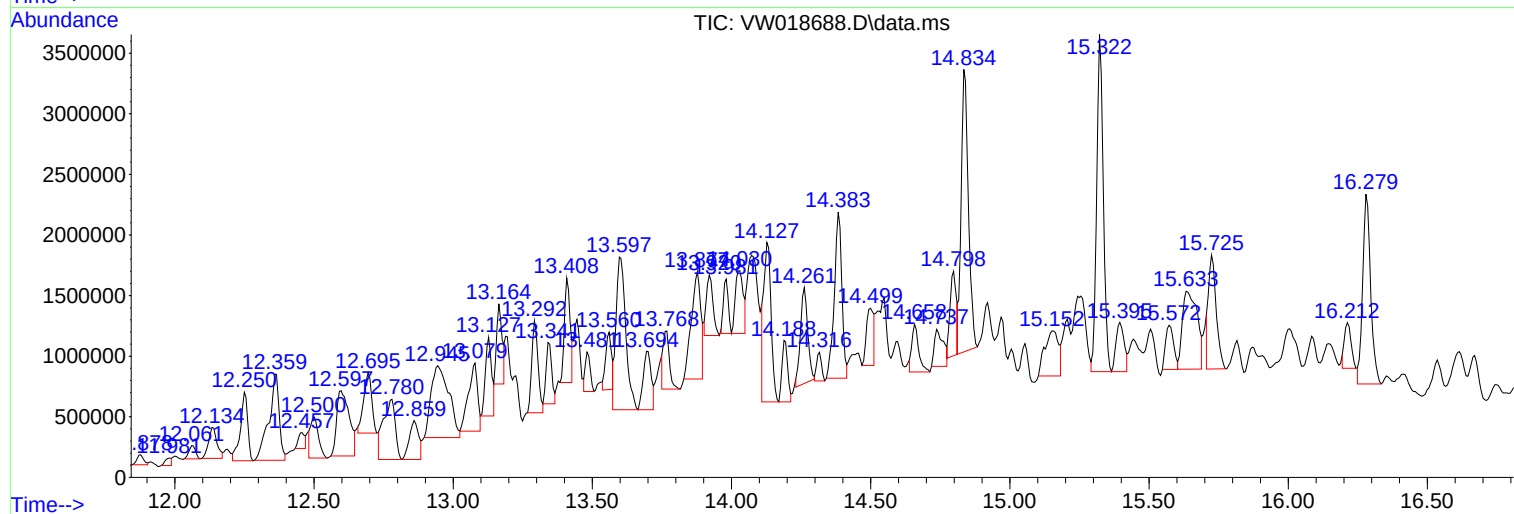
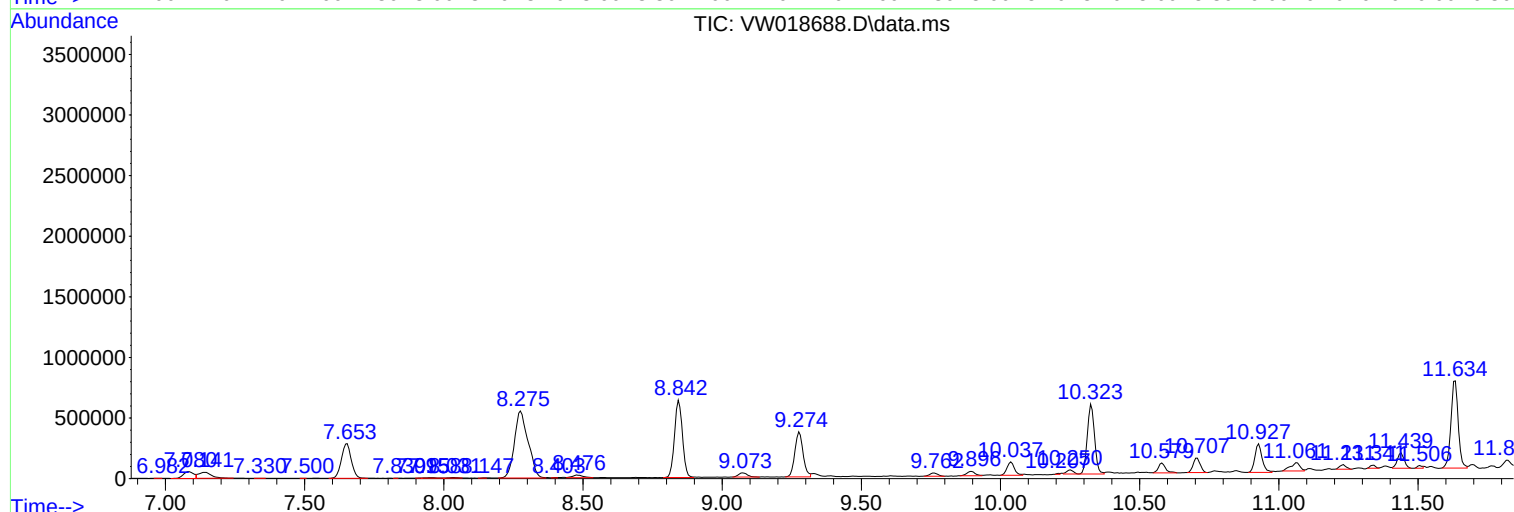
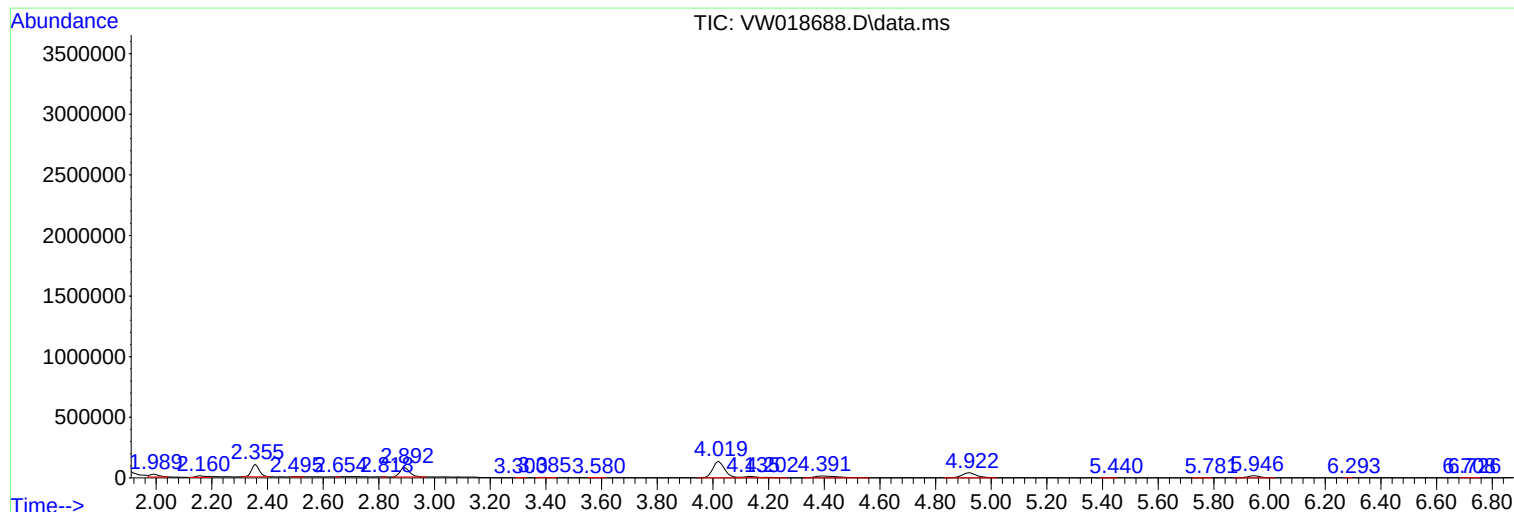
Sum of corrected areas: 69593003

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Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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Instrument :
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ClientSampleId :
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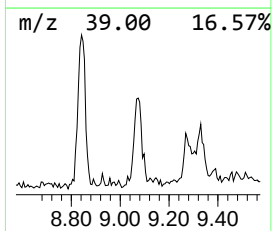
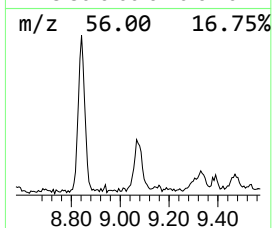
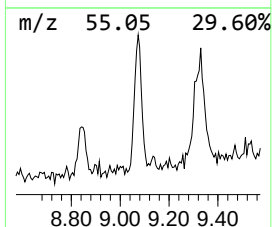
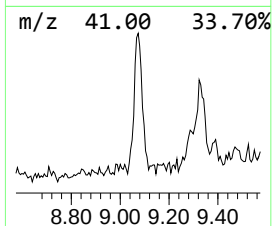
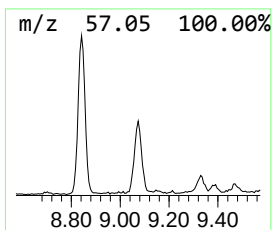
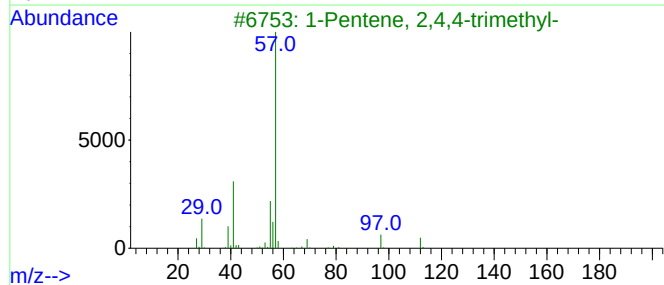
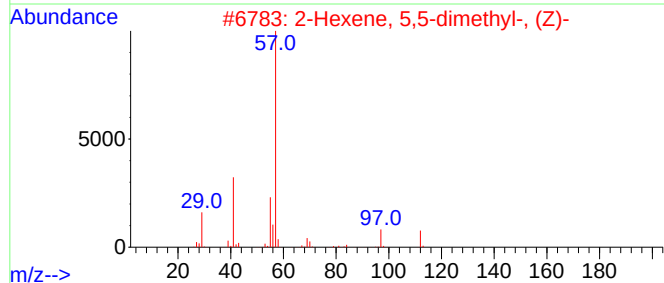
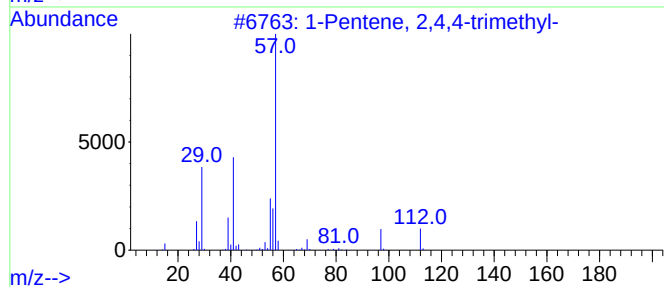
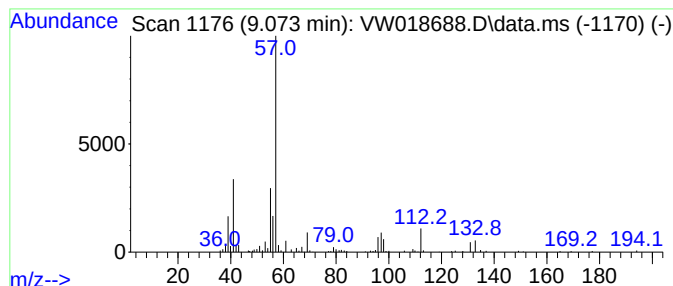
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.073	1.49 ug/L	75394	1,4-Difluorobenzene	8.842

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	52
2		2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	50
3		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	50
4		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	46
5		2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	46



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Instrument :
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ClientSampled :
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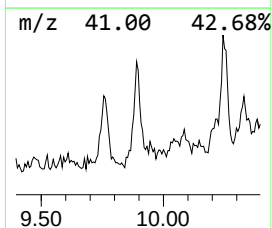
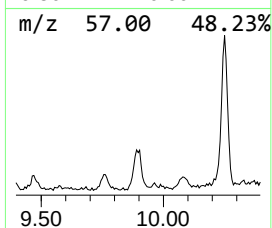
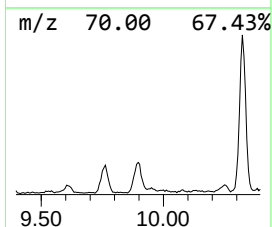
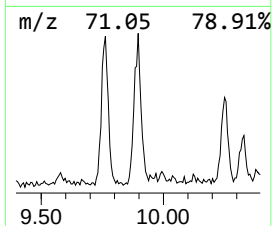
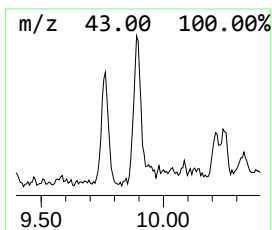
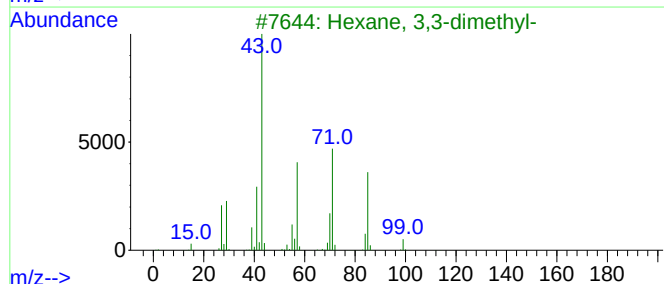
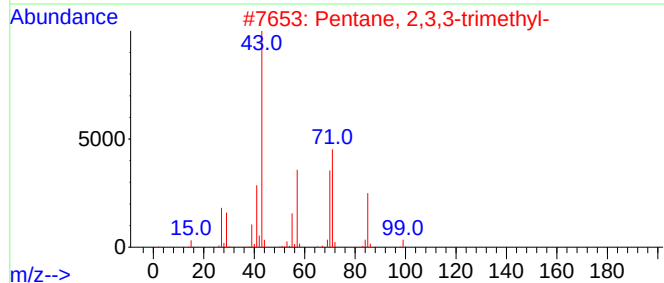
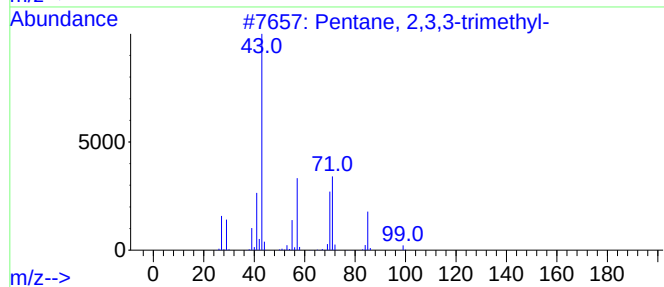
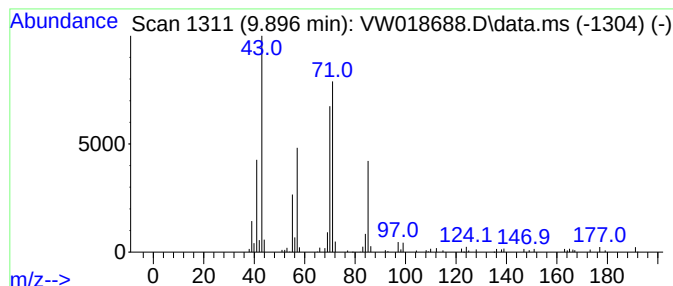
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.896	1.50 ug/L	76121	1,4-Difluorobenzene	8.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
2			Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
3			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	72
4			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
5			Oxalic acid, isohexyl neopentyl ...	244	C13H24O4	1000309-73-0	64



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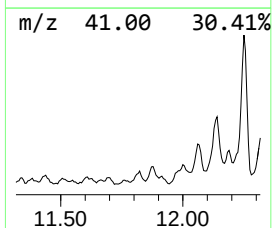
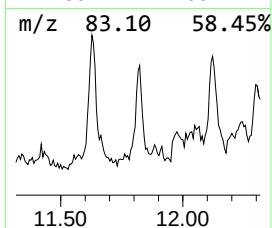
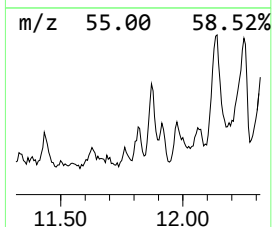
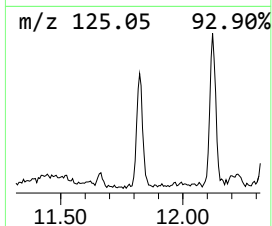
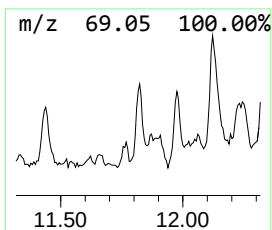
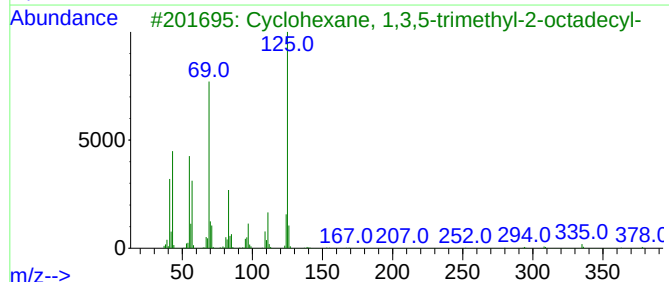
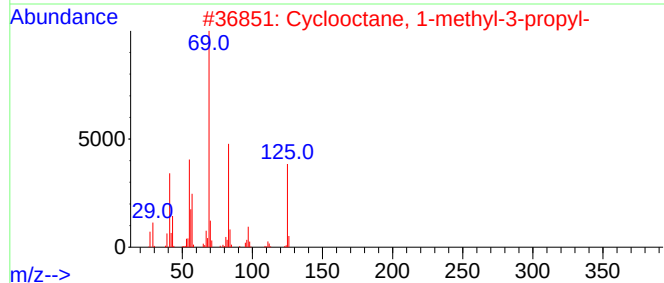
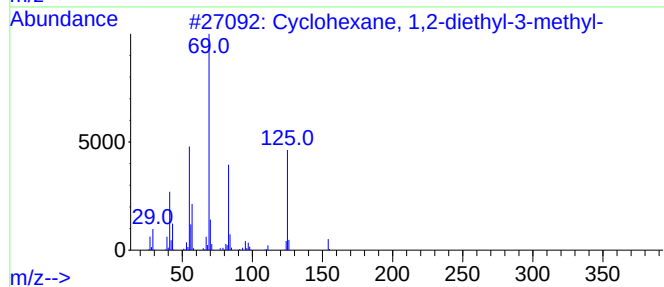
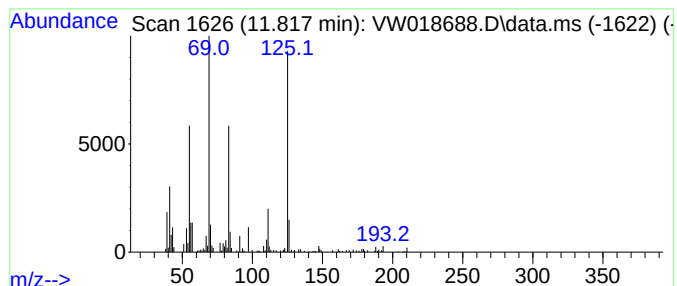
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 (DEL) Alkane: Cyclic11.817 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.817	2.10 ug/L	109572	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	80
2			Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	78
3			Cyclohexane, 1,3,5-trimethyl-2-o...	378	C27H54	055282-34-3	78
4			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	50
5			2,2,4-Trimethyl-3-hexene	126	C9H18	059643-72-0	41



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG562

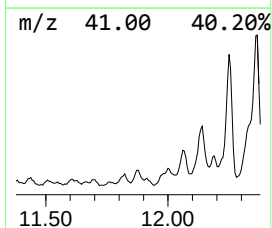
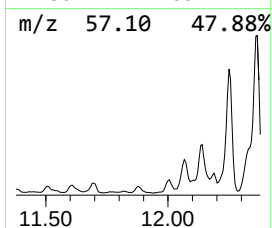
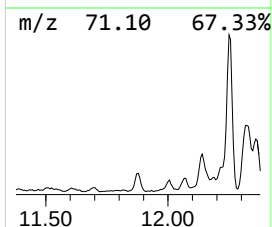
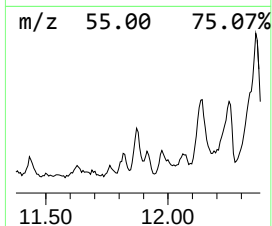
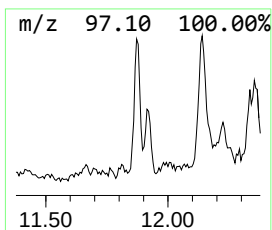
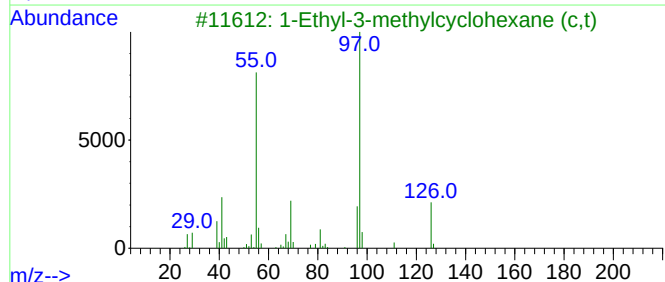
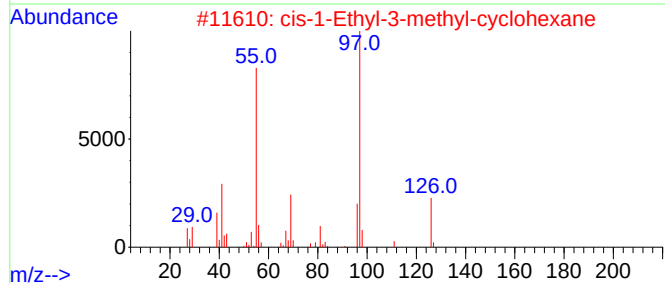
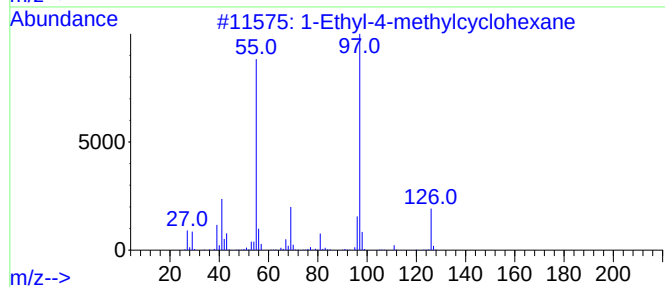
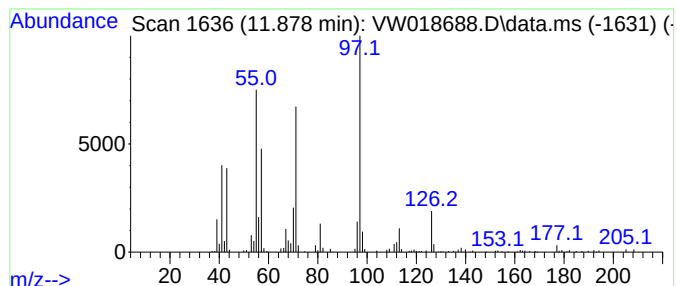
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.878	2.63 ug/L	137168	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	64
2			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	64
3			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	60
4			3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	52
5			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG562

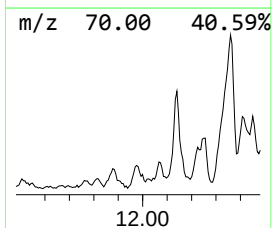
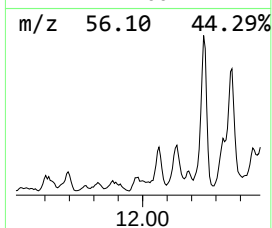
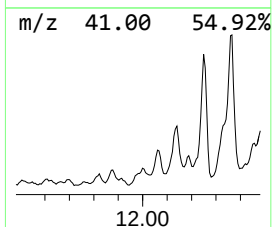
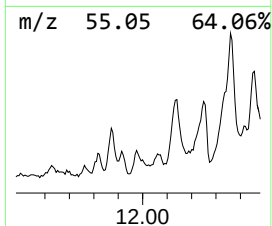
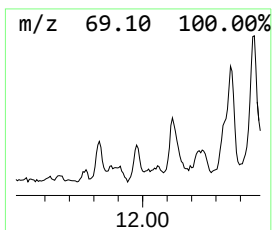
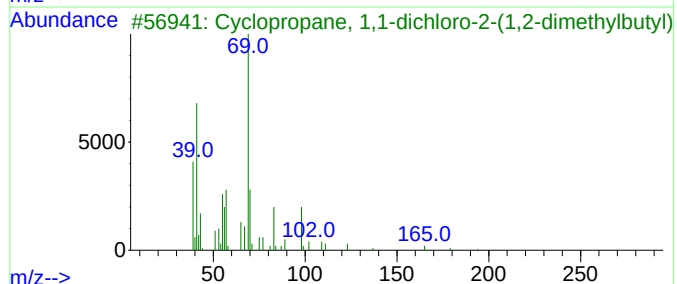
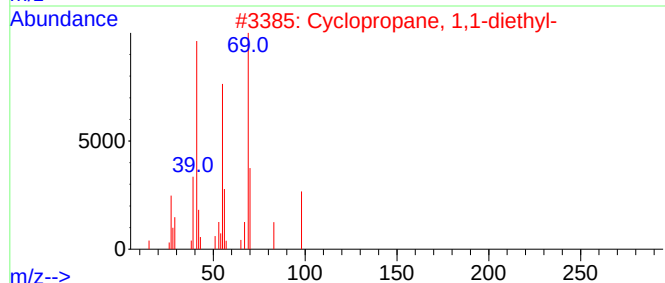
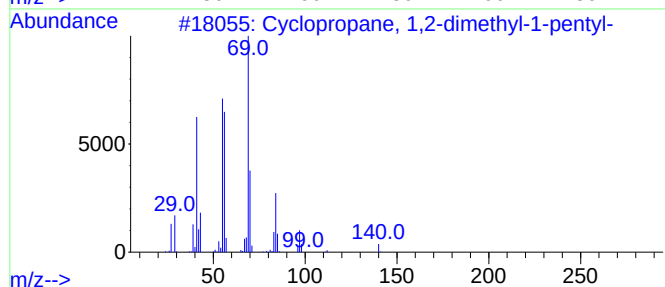
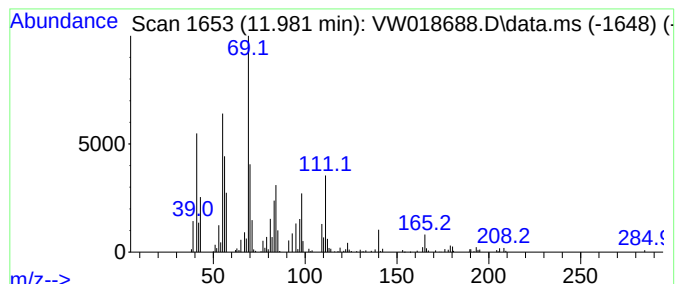
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 (DEL) Alkane: Cyclic11.981 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.981	1.92 ug/L	100289	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	76
2			Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	55
3			Cyclopropane, 1,1-dichloro-2-(1,...	194	C9H16Cl2	054824-03-2	52
4			Oxirane, (1,1-dimethylbutyl)-	128	C8H16O	053907-76-9	52
5			4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG562

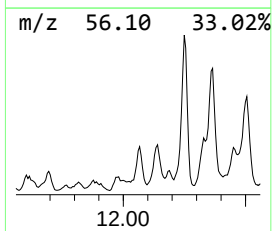
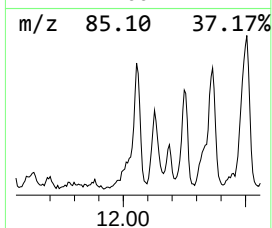
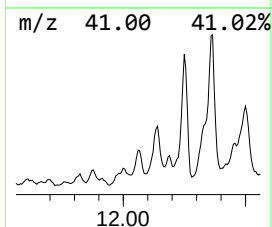
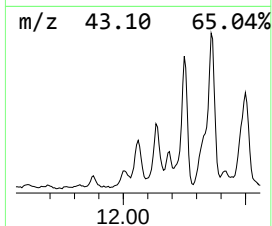
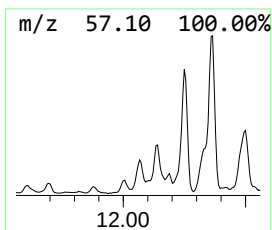
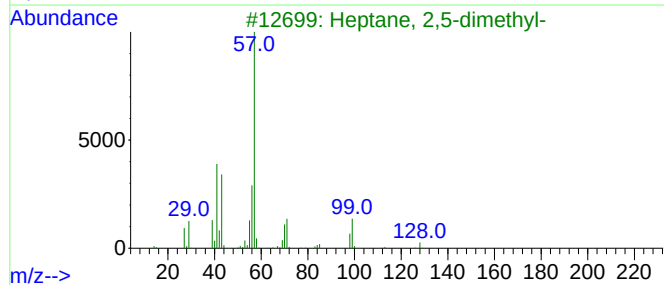
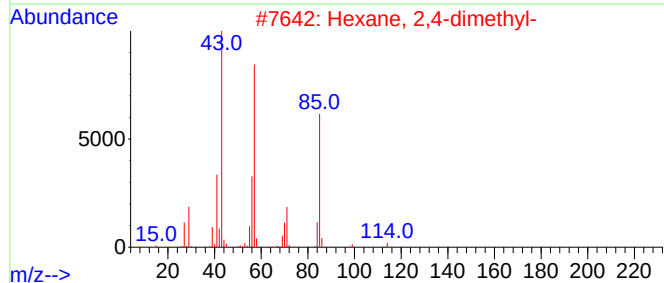
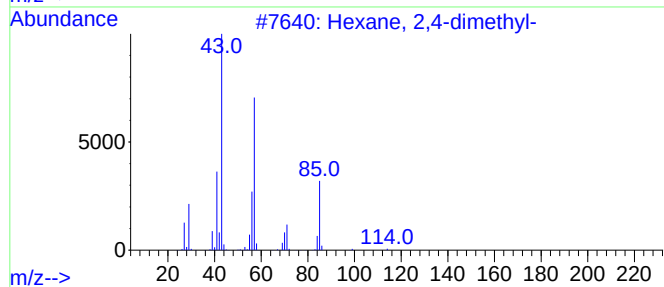
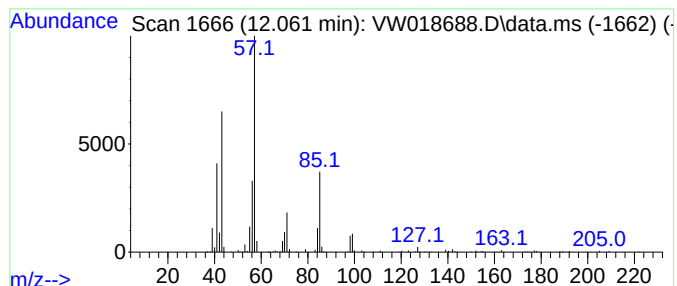
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.061	3.44 ug/L	179498	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	80
2		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	53
4		4,4-Dimethyl octane	142	C10H22	015869-95-1	53
5		Heptane, 4-ethyl-	128	C9H20	002216-32-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG562

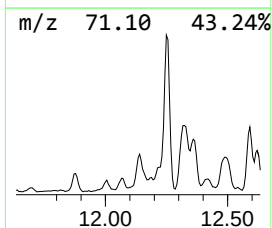
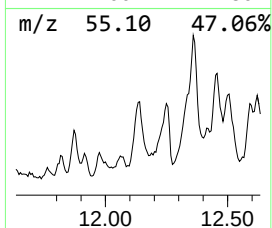
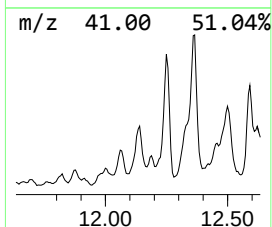
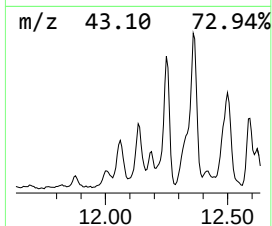
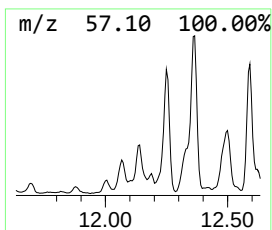
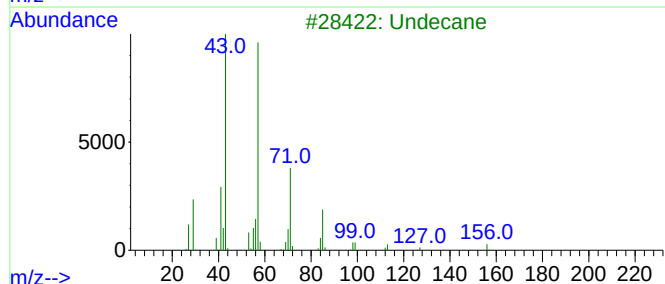
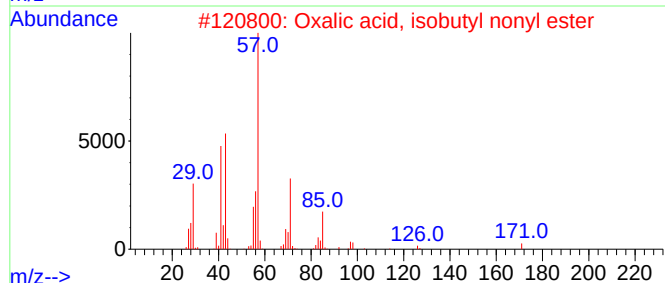
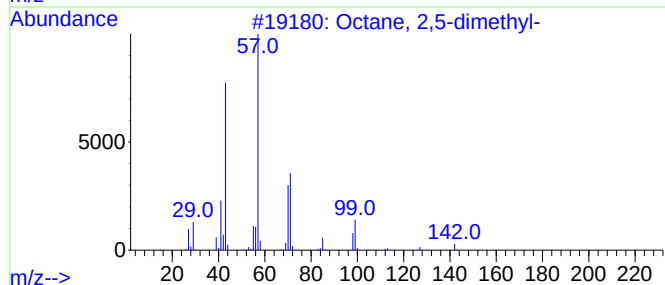
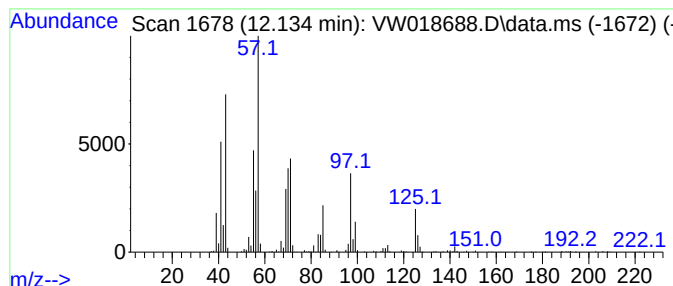
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.134	10.37 ug/L	541256	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,5-dimethyl-			142	C10H22	015869-89-3	53
2	Oxalic acid, isobutyl nonyl ester			272	C15H28O4	1000309-37-4	46
3	Undecane			156	C11H24	001120-21-4	43
4	Dodecane, 3-methyl-			184	C13H28	017312-57-1	43
5	Decane, 3-methyl-			156	C11H24	013151-34-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

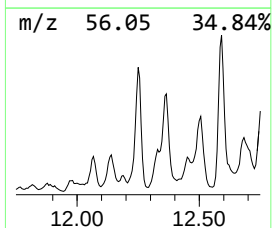
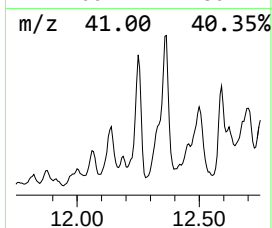
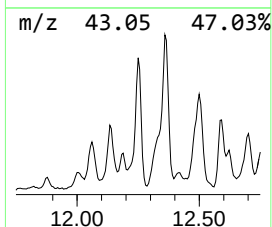
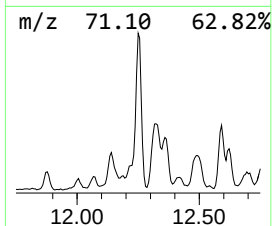
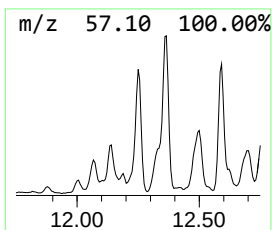
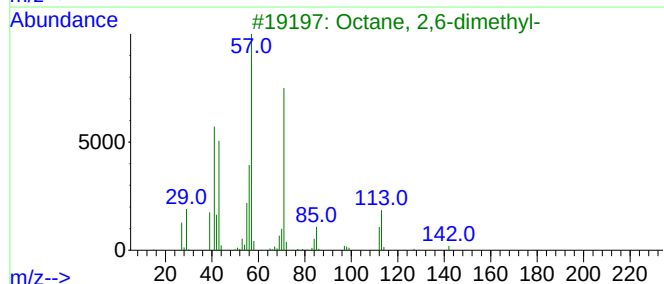
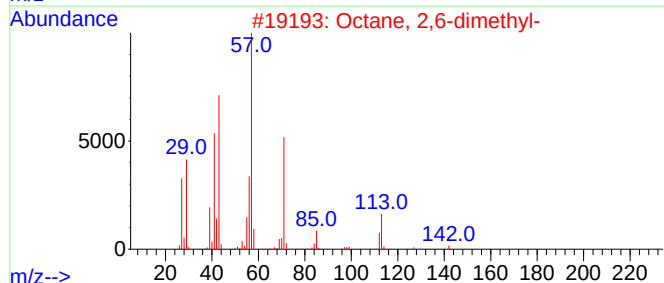
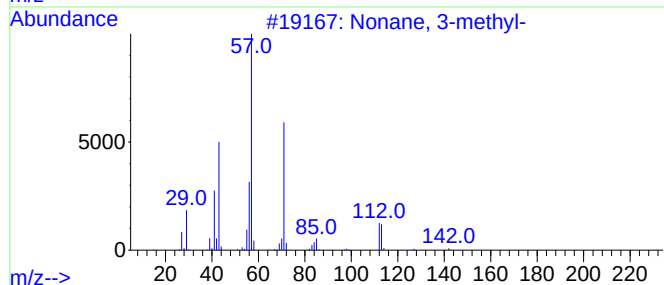
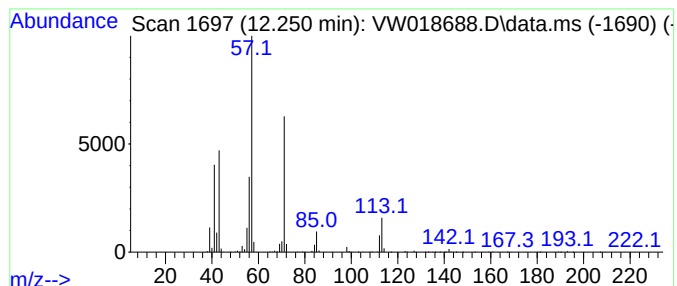
Instrument :
MSVOA_W
ClientSampleId :
BG562

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.250	19.61 ug/L	1023810	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG562

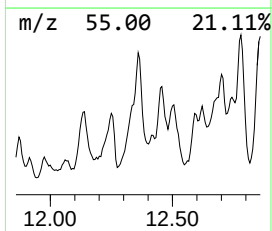
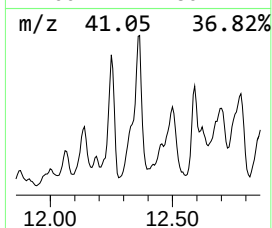
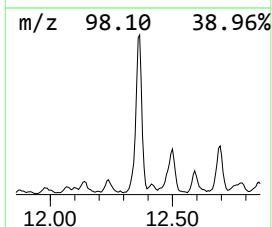
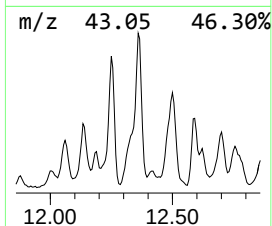
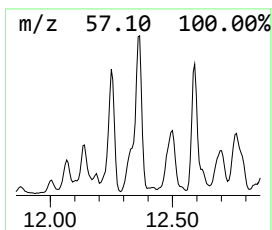
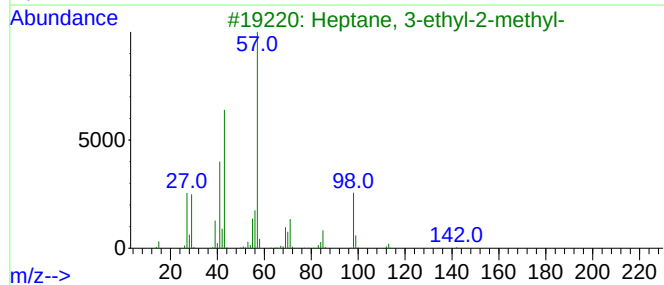
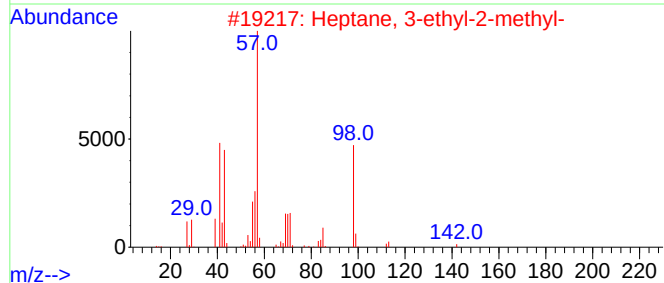
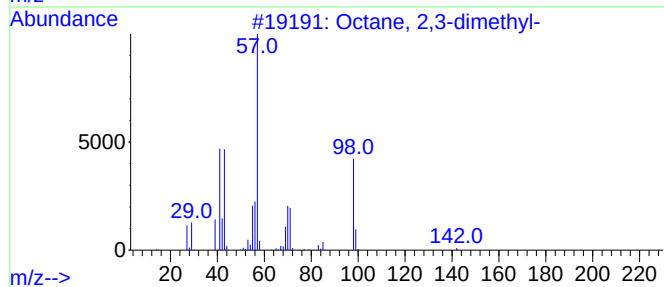
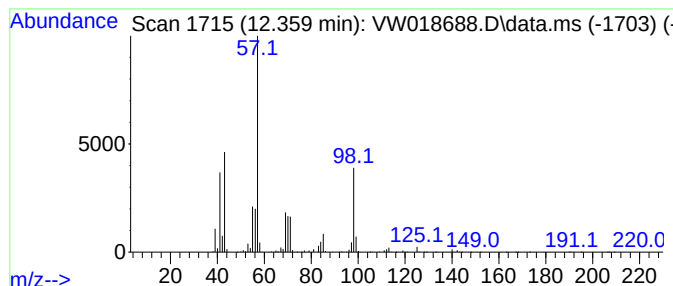
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.359	35.22 ug/L	1838320	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	87
2		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	83
3		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
4		Undecane, 6-methyl-	170	C12H26	017302-33-9	53
5		Heptane, 3-ethyl-	128	C9H20	015869-80-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG562

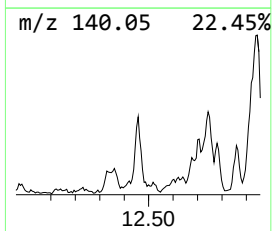
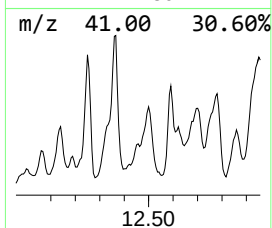
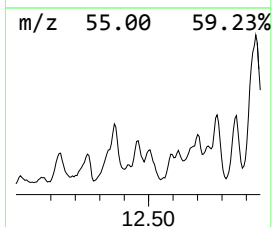
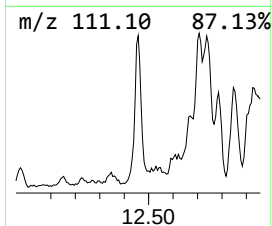
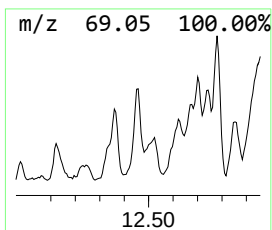
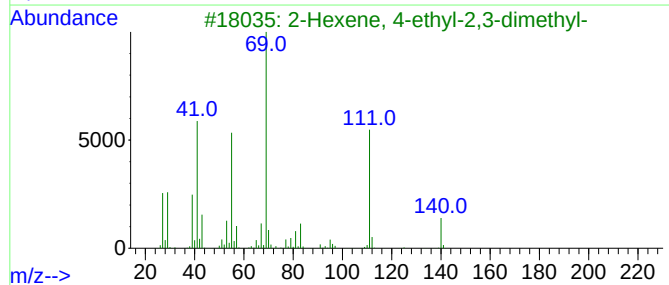
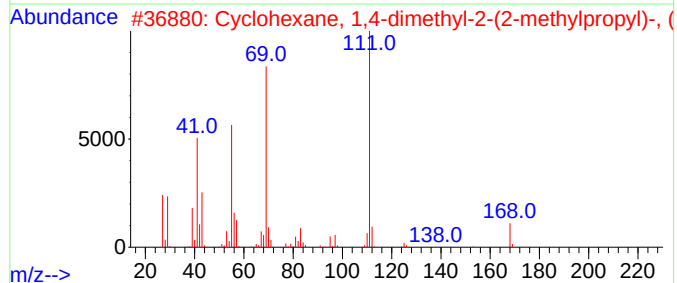
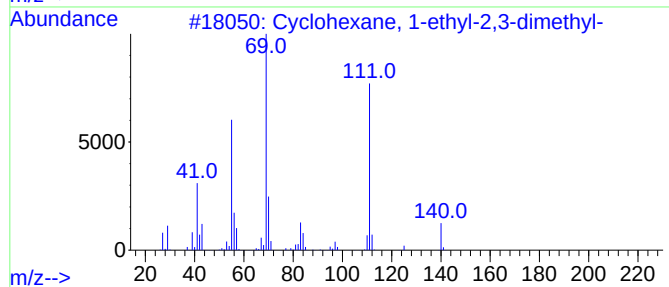
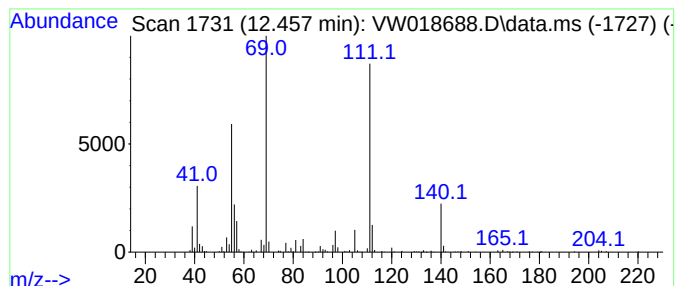
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 (DEL) Alkane: Cyclic12.457 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	4.14 ug/L	215994	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	87
2			Cyclohexane, 1,4-dimethyl-2-(2-m...	168	C12H24	054411-17-5	72
3			2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	64
4			cis,cis,cis-1-Isobutyl-2,5-dimet...	168	C12H24	1000113-60-0	56
5			Cyclooctane, butyl-	168	C12H24	016538-93-5	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

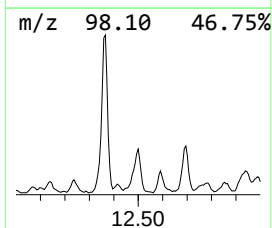
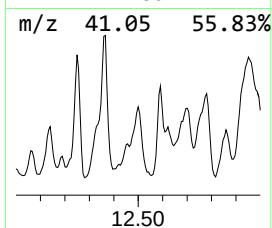
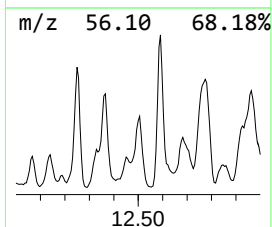
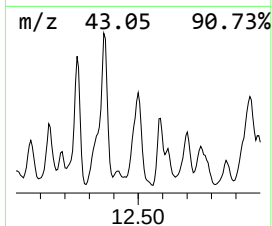
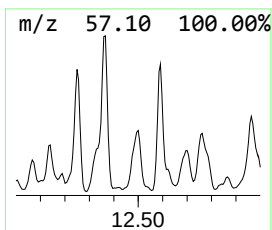
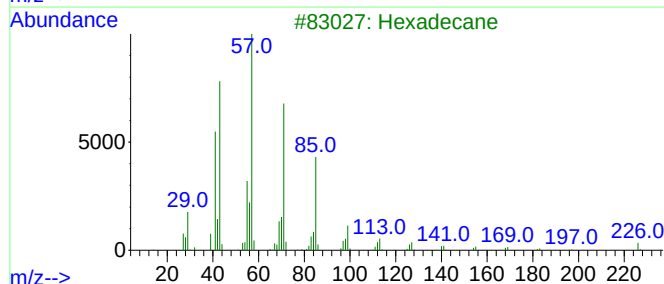
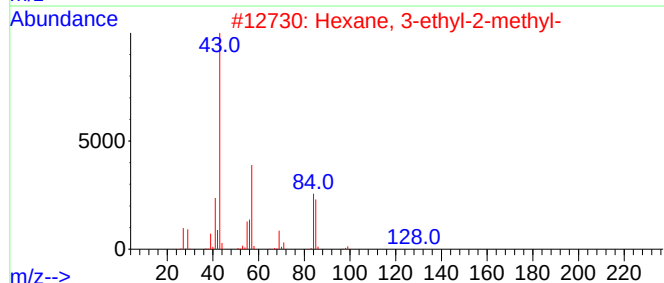
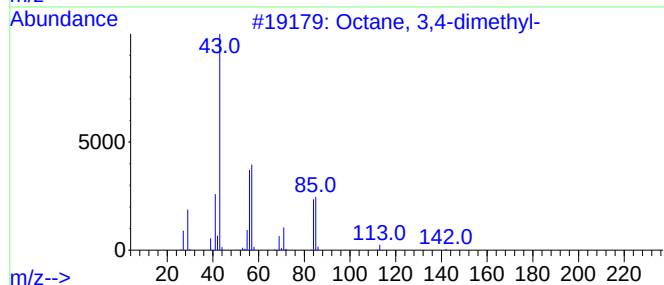
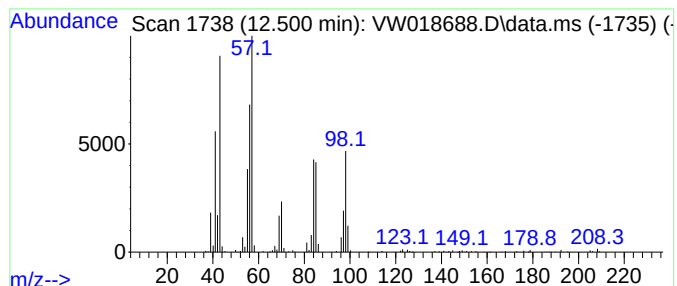
Instrument :
MSVOA_W
ClientSampleId :
BG562

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.499	12.64 ug/L	659636	Chlorobenzene-d5			11.634
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3,4-dimethyl-	142	C10H22	015869-92-8	47
2		Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	38
3		Hexadecane	226	C16H34	000544-76-3	35
4		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	35
5		1-Pentanol, 2-ethyl-	116	C7H16O	027522-11-8	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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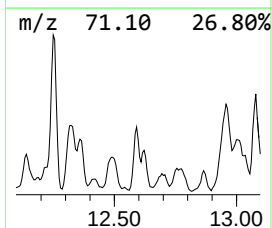
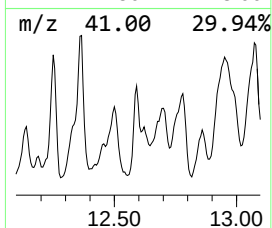
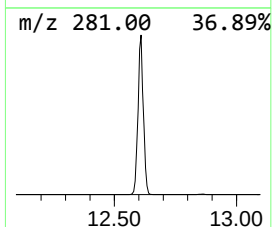
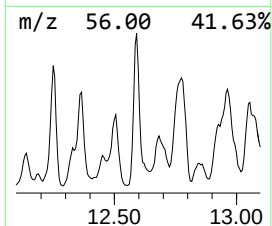
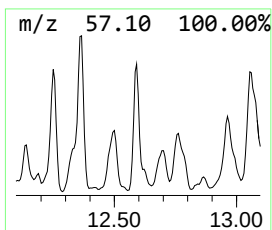
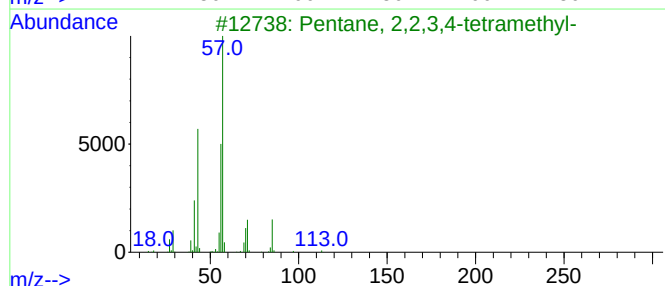
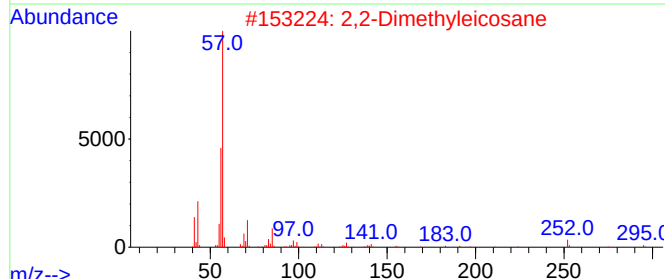
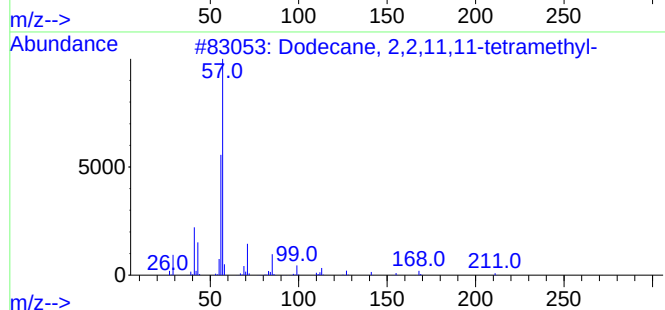
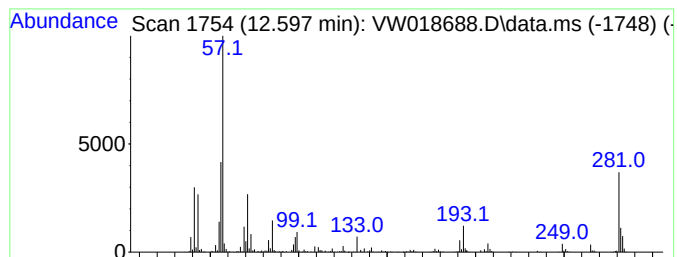
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.597	32.87 ug/L	1715680	Chlorobenzene-d5	11.634

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	43
2		2,2-Dimethyleicosane	310	C22H46	1000360-43-4	43
3		Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	38
4		Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	38
5		2,2,7,7-Tetramethyloctane	170	C12H26	001071-31-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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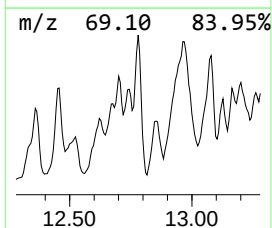
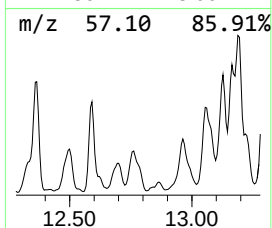
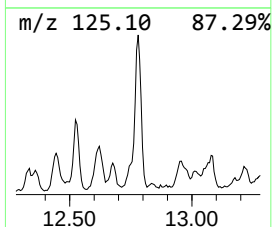
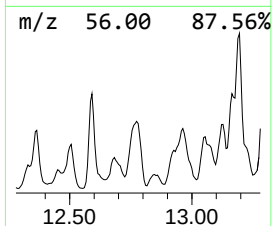
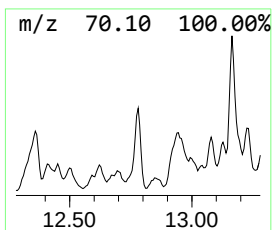
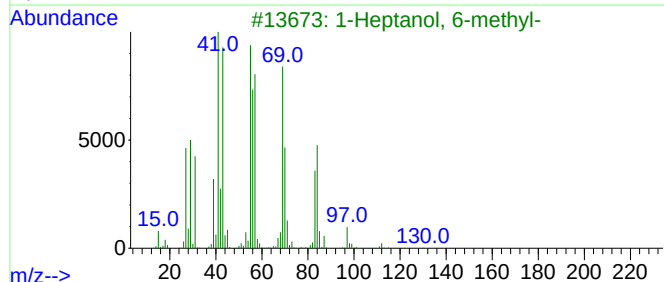
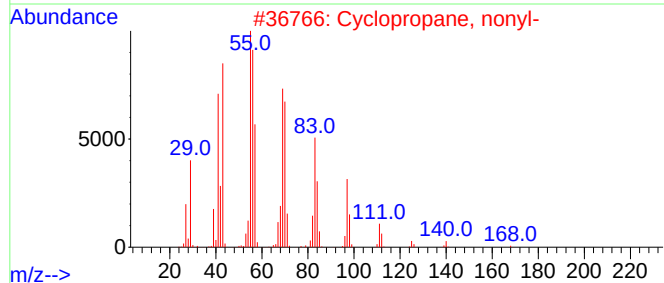
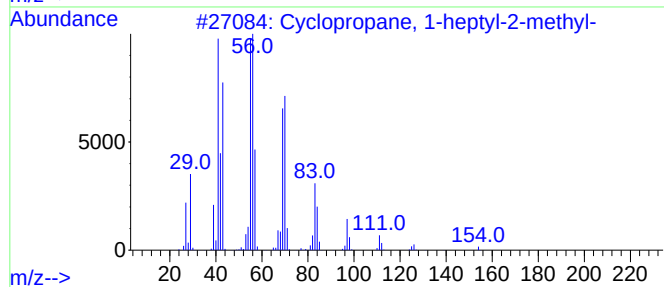
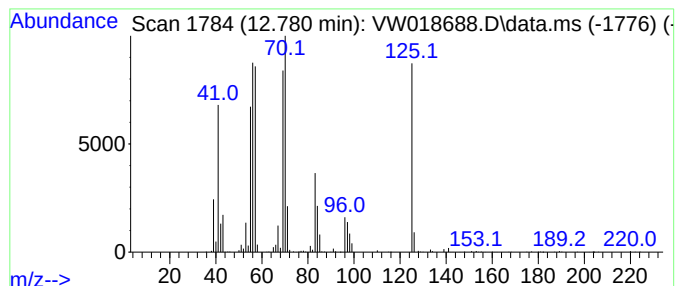
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 (DEL) Alkane: Cyclic12.780 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	52.17 ug/L	1445910	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopropane, 1-heptyl-2-methyl-	154	C11H22	074663-91-5	58
2			Cyclopropane, nonyl-	168	C12H24	074663-85-7	49
3			1-Heptanol, 6-methyl-	130	C8H18O	001653-40-3	46
4			3-Undecene, (Z)-	154	C11H22	000821-97-6	45
5			Cyclohexane, 1,3,5-trimethyl-2-o...	378	C27H54	055282-34-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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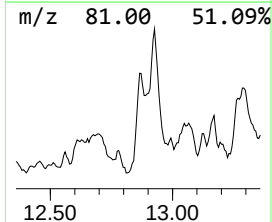
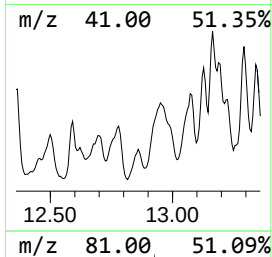
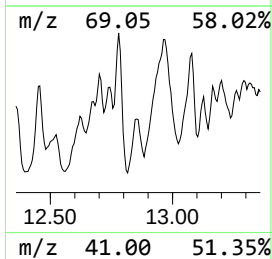
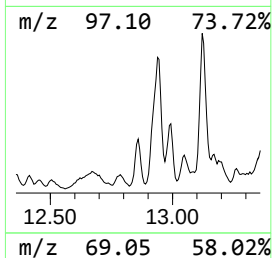
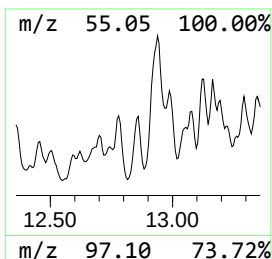
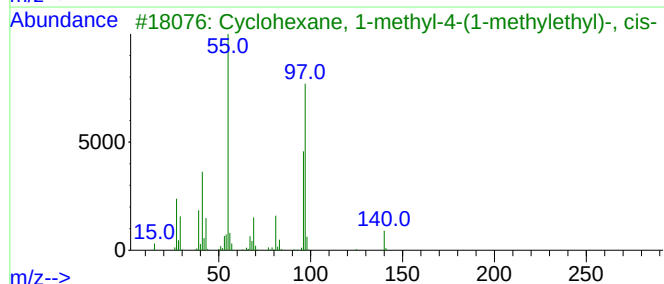
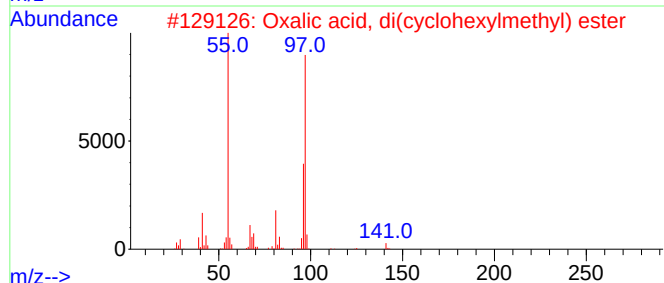
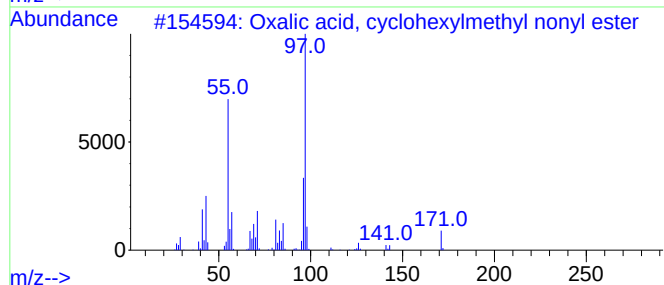
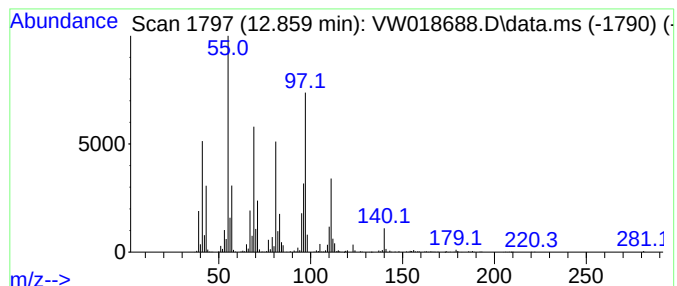
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Oxalic acid, cyclohexylmeth... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	27.02 ug/L	748959	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, cyclohexylmethyl no...	312	C18H32O4	1000309-68-6	53
2			Oxalic acid, di(cyclohexylmethyl...)	282	C16H26O4	1000309-68-5	50
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	49
4			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	49
5			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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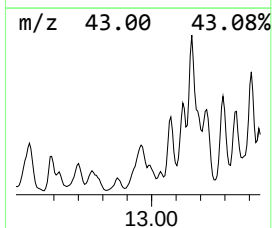
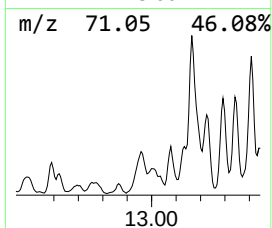
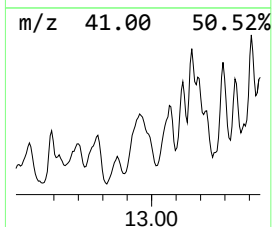
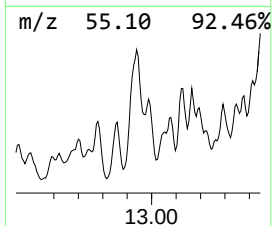
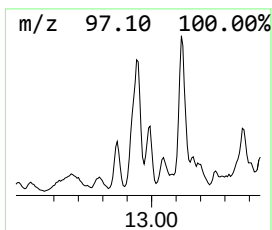
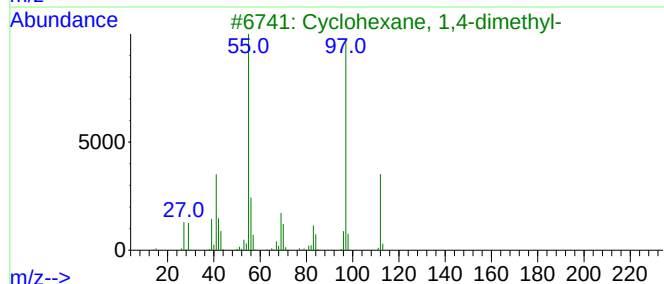
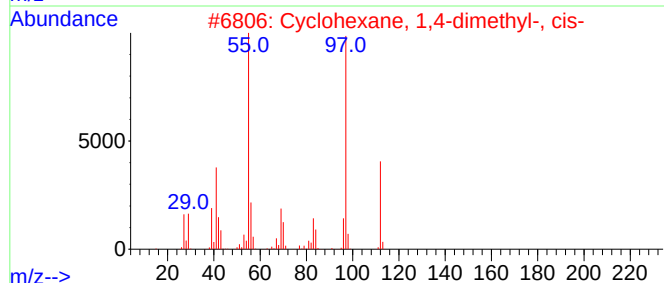
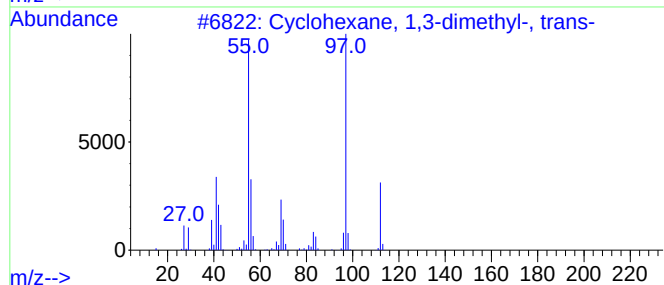
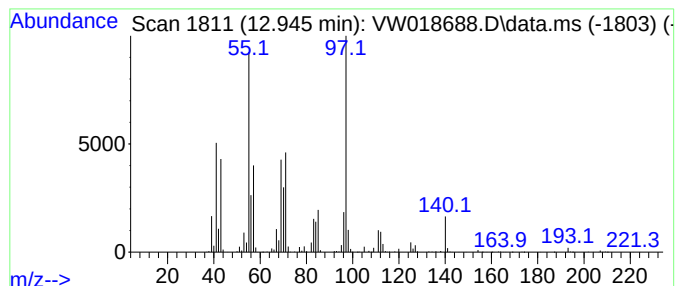
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 (DEL) Alkane: Cyclic12.945 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.945	94.68 ug/L	2623920	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	49
2			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	49
3			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	46
4			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	45
5			Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

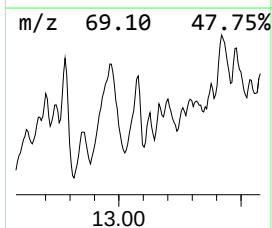
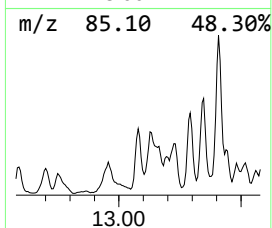
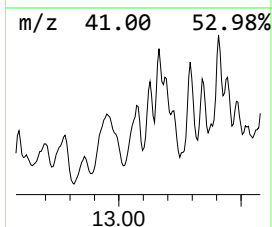
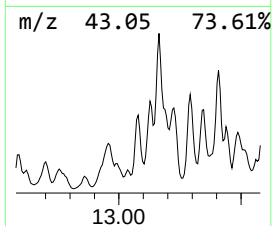
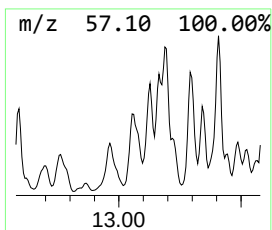
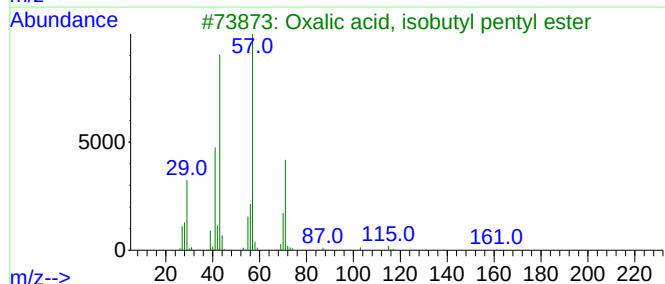
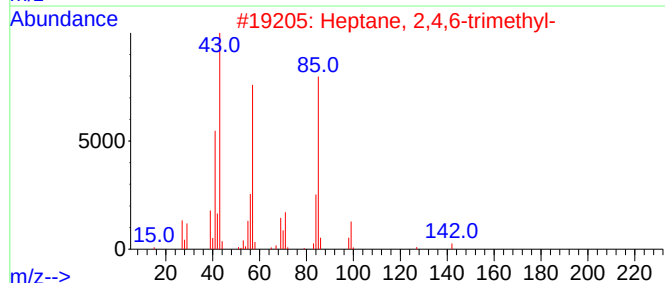
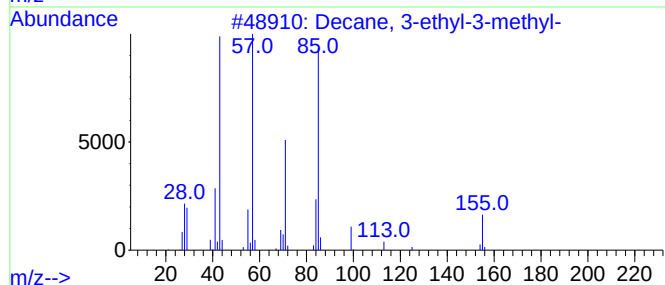
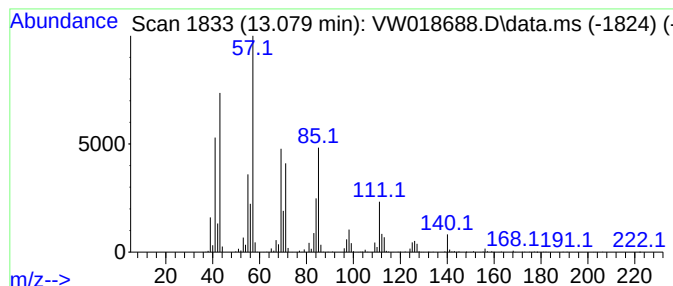
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.079	46.63 ug/L	1292380	1,4-Dichlorobenzene-d4	13.560	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-ethyl-3-methyl-	184	C13H28	017312-66-2	43
2	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	38
3	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	38
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	35
5	2-Undecene, 4,5-dimethyl-, [R*,S...	182	C13H26	055170-93-9	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG562

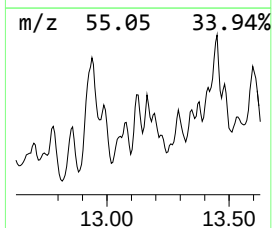
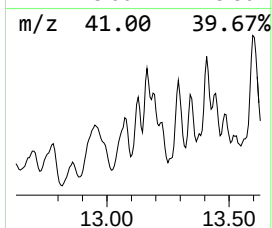
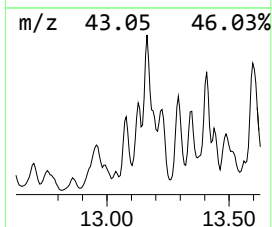
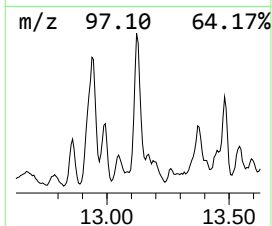
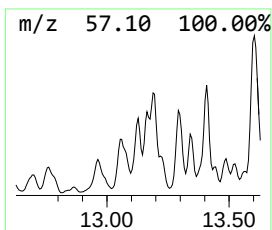
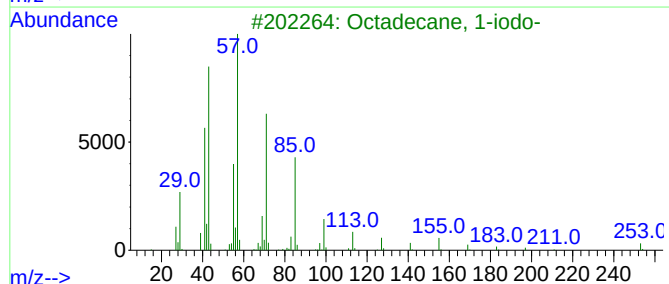
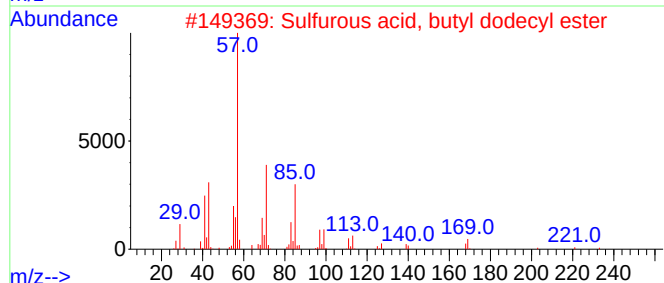
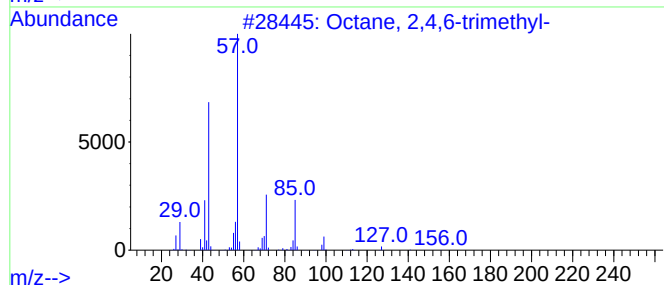
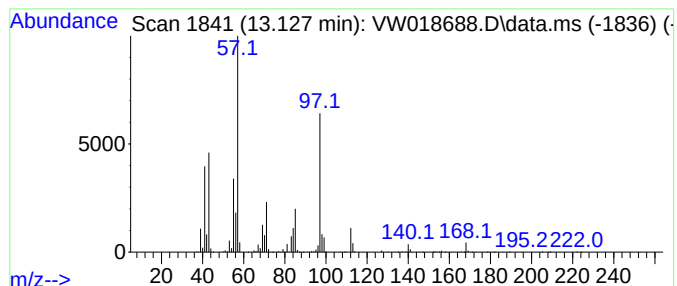
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.128	37.33 ug/L	1034510	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	38
2			Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	38
3			Octadecane, 1-iodo-	380	C18H37I	000629-93-6	35
4			3-Decen-5-one, 2-methyl-	168	C11H20O	032064-75-8	35
5			Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

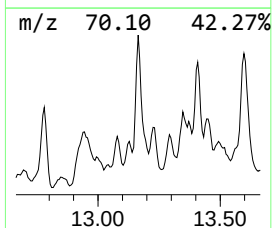
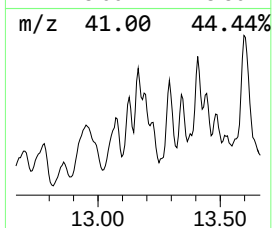
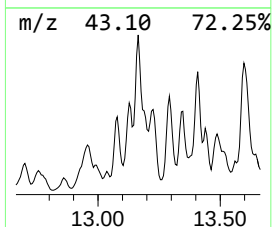
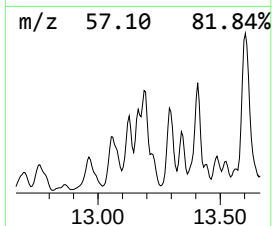
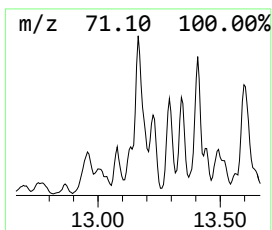
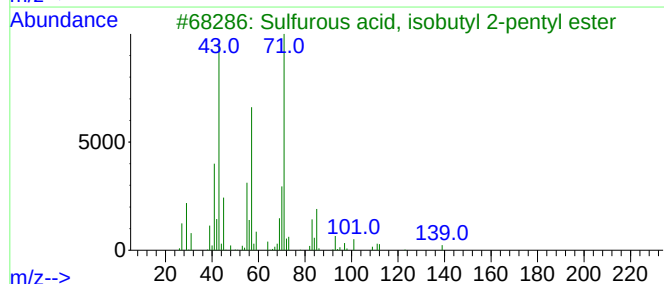
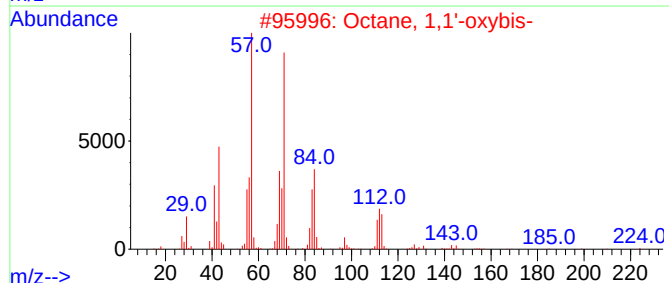
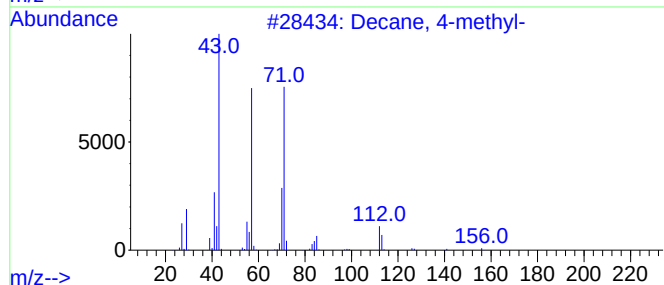
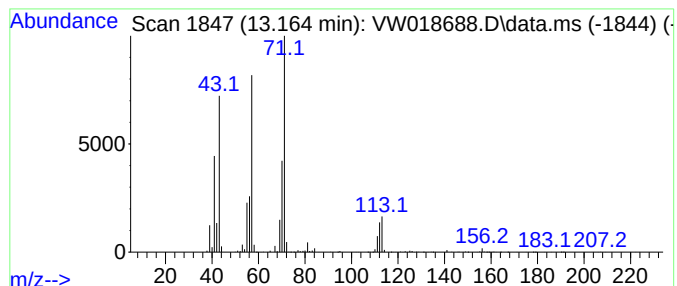
Instrument :
MSVOA_W
ClientSampleId :
BG562

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.164	33.65 ug/L	932718	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-		156	C11H24	002847-72-5	80
2	Octane, 1,1'-oxybis-		242	C16H34O	000629-82-3	72
3	Sulfurous acid, isobutyl 2-penty...		208	C9H20O3S	1000309-15-2	53
4	Sulfurous acid, 2-ethylhexyl pen...		264	C13H28O3S	1000309-18-9	53
5	n-Amyl ether		158	C10H22O	000693-65-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

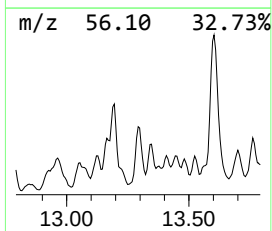
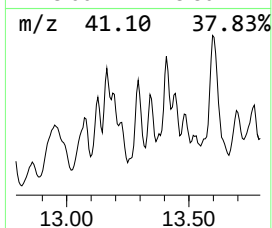
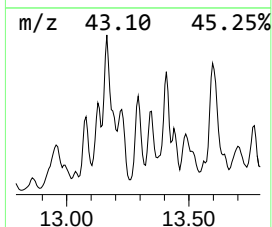
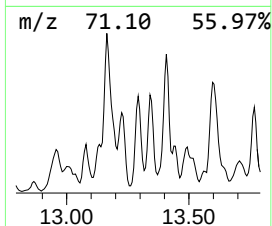
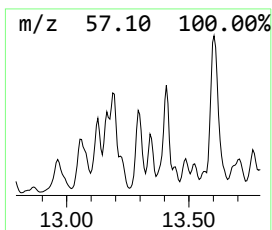
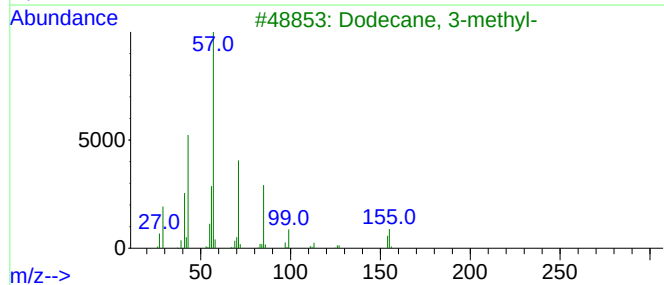
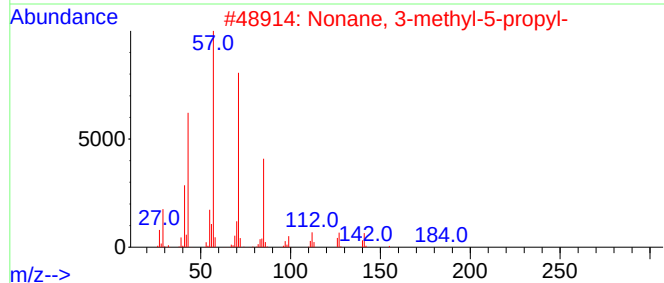
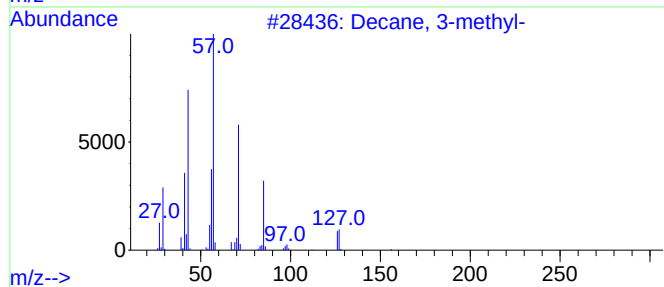
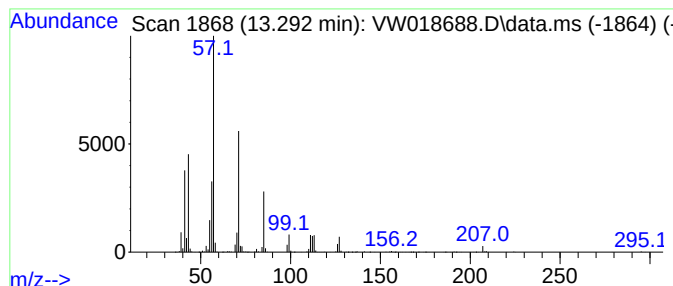
Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.292	42.82 ug/L	1186640	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-		156	C11H24	013151-34-3	81
2	Nonane, 3-methyl-5-propyl-		184	C13H28	031081-18-2	72
3	Dodecane, 3-methyl-		184	C13H28	017312-57-1	72
4	Undecane, 5-ethyl-		184	C13H28	017453-94-0	59
5	Nonane, 3-methyl-		142	C10H22	005911-04-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG562

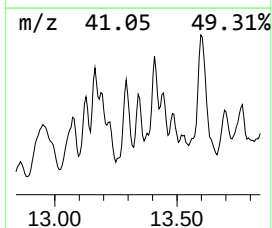
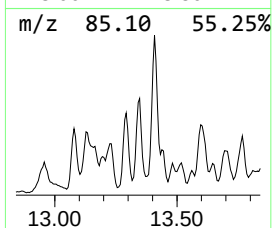
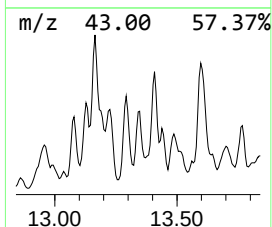
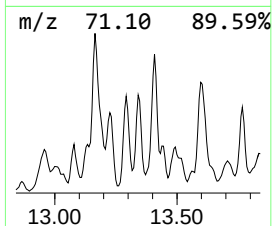
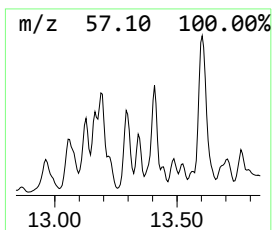
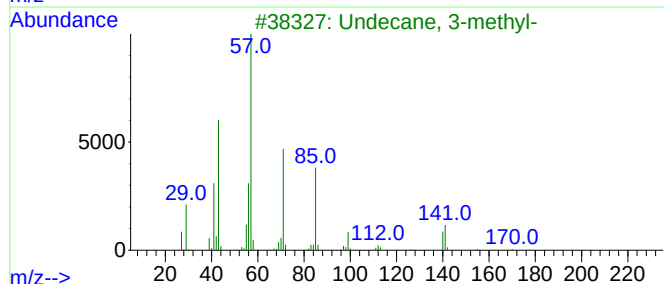
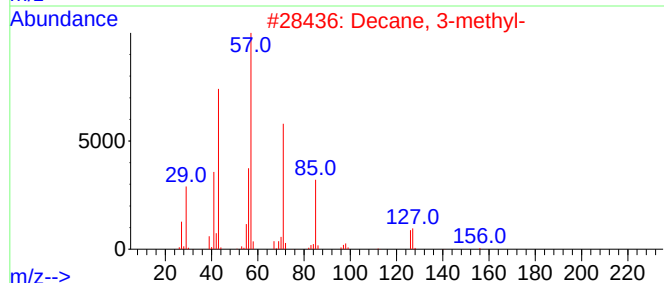
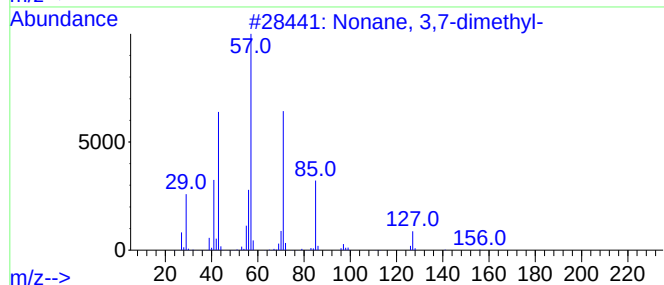
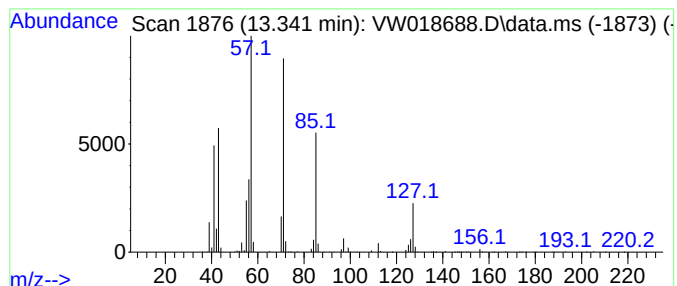
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.341	25.82 ug/L	715560	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	91
2		Decane, 3-methyl-	156	C11H24	013151-34-3	91
3		Undecane, 3-methyl-	170	C12H26	001002-43-3	72
4		Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	64
5		Heptadecane, 8-methyl-	254	C18H38	013287-23-5	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

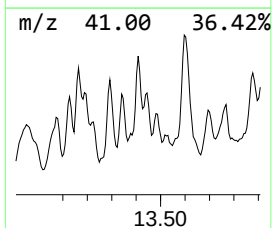
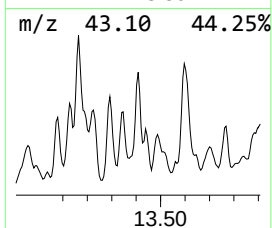
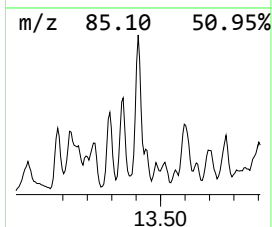
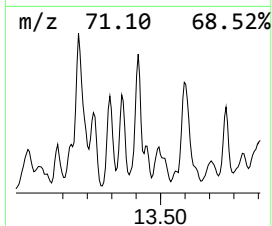
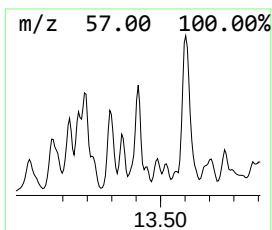
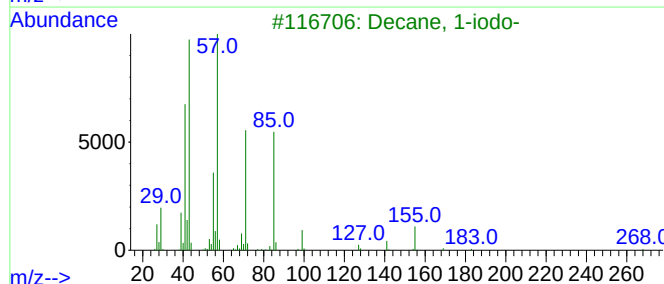
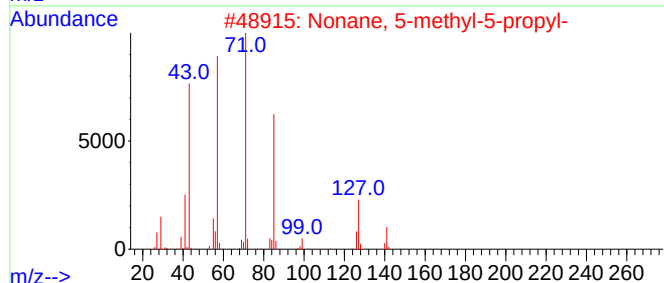
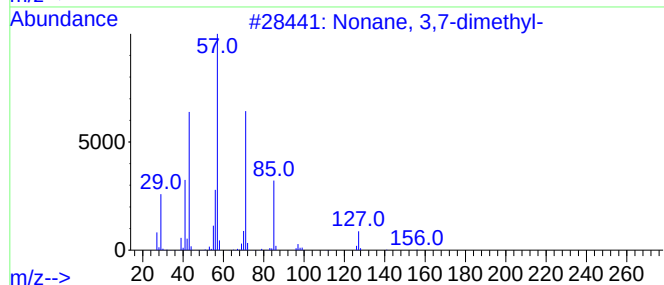
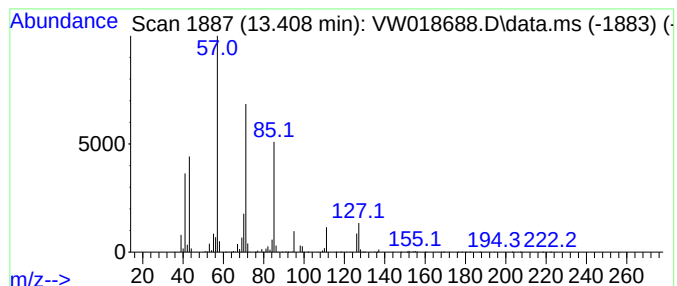
Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.408	45.09 ug/L	1249670	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-		156	C11H24	017302-32-8	58
2	Nonane, 5-methyl-5-propyl-		184	C13H28	017312-75-3	53
3	Decane, 1-iodo-		268	C10H21I	002050-77-3	53
4	Sulfurous acid, hexyl 2-pentyl e...		236	C11H24O3S	1000309-15-6	53
5	Nonane, 5-butyl-		184	C13H28	017312-63-9	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG562

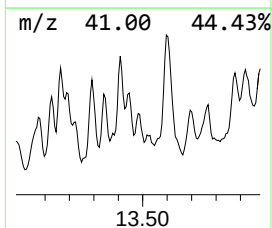
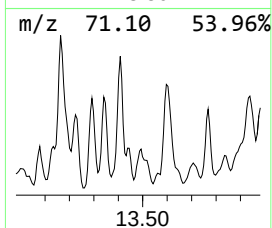
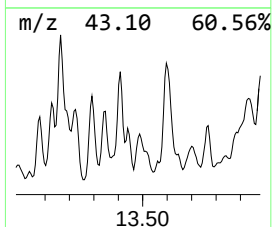
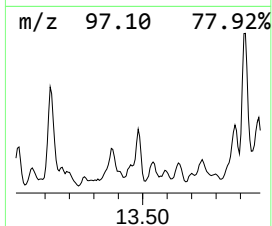
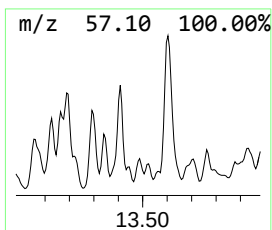
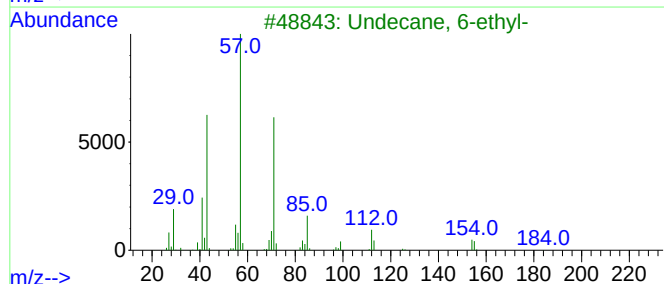
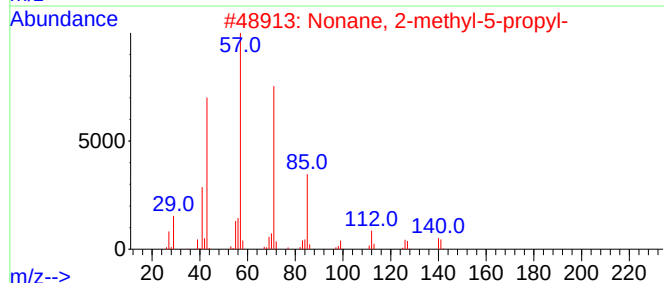
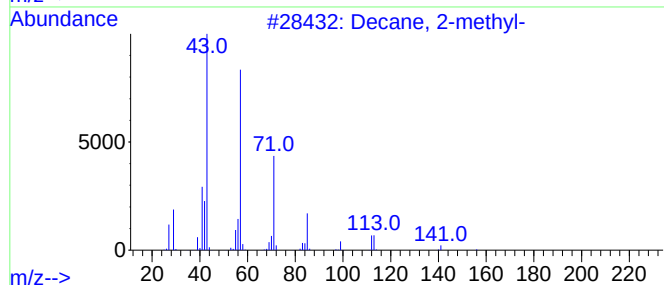
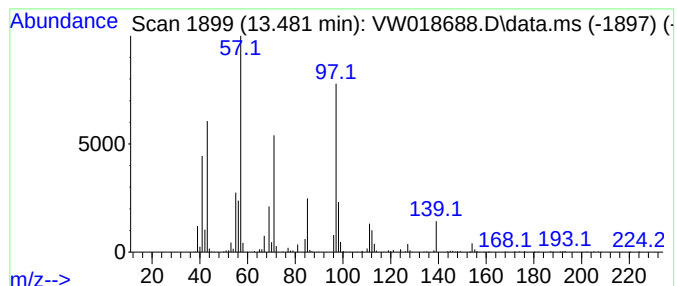
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.481	14.23 ug/L	394375	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 2-methyl-	156	C11H24	006975-98-0	38
2		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	35
3		Undecane, 6-ethyl-	184	C13H28	017312-60-6	27
4		Decane, 3-methyl-	156	C11H24	013151-34-3	27
5		Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG562

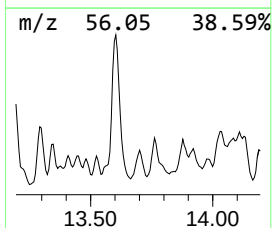
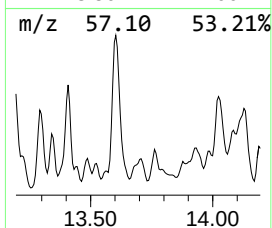
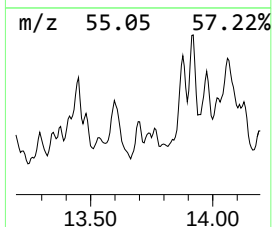
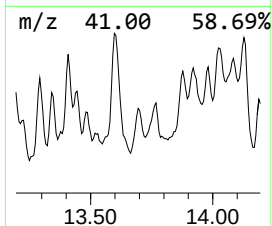
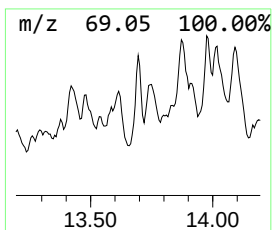
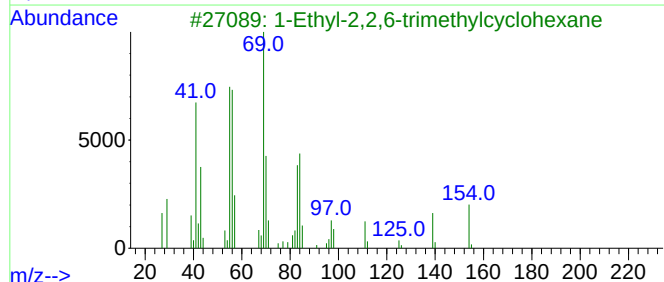
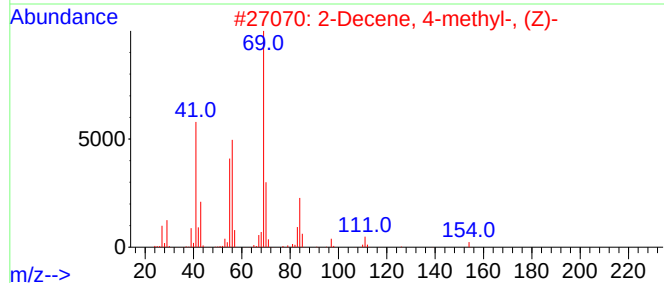
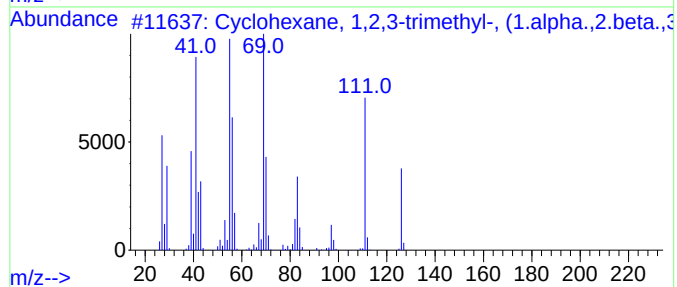
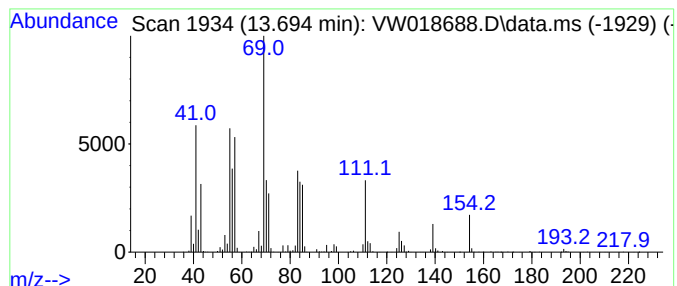
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 28 (DEL) Alkane: Cyclic13.694 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.694	34.97 ug/L	969059	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	64
2			2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	53
3			1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	52
4			Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	49
5			Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG562

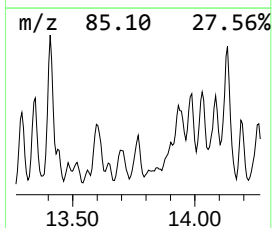
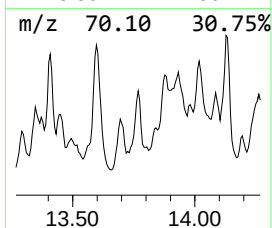
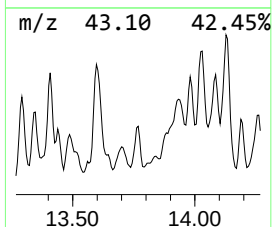
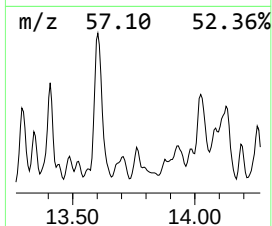
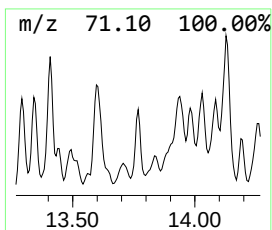
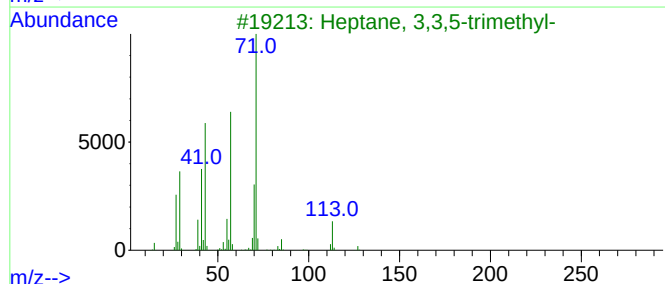
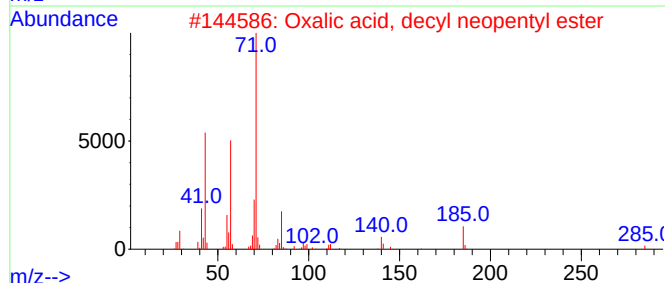
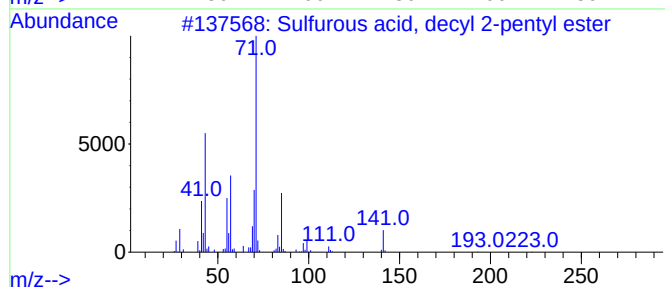
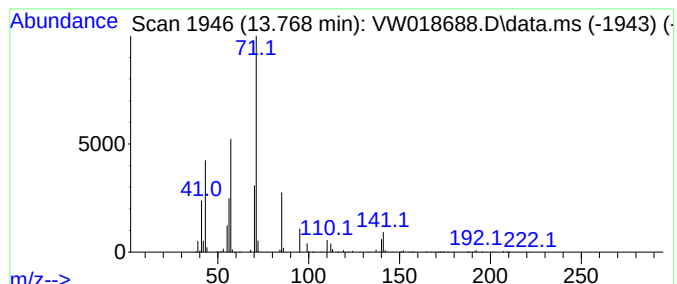
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 29 Sulfurous acid, decyl 2-pen... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.768	25.74 ug/L	713471	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, decyl 2-pentyl e...	292	C15H32O3S	1000309-15-9	59
2			Oxalic acid, decyl neopentyl ester	300	C17H32O4	1000309-73-4	53
3			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	47
4			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	45
5			2,2'-Bifuran, octahydro-	142	C8H14O2	001592-33-2	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

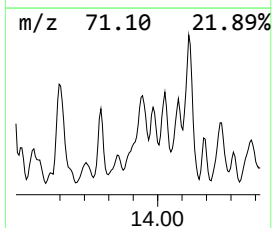
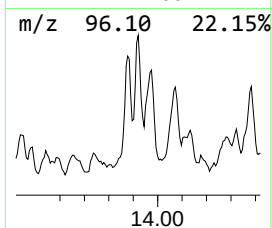
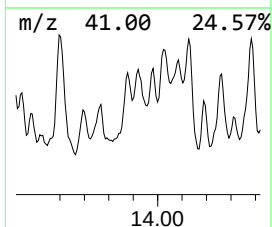
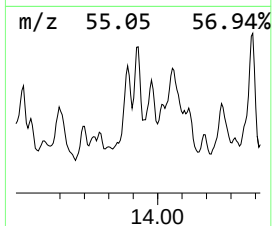
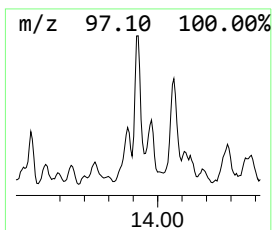
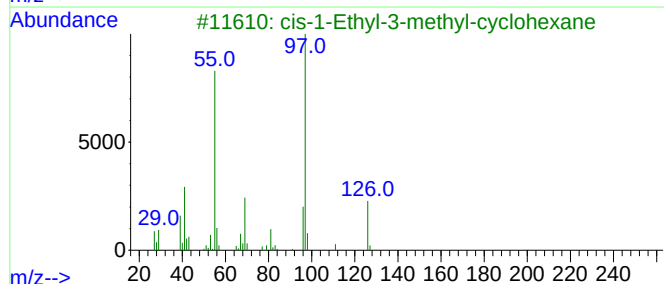
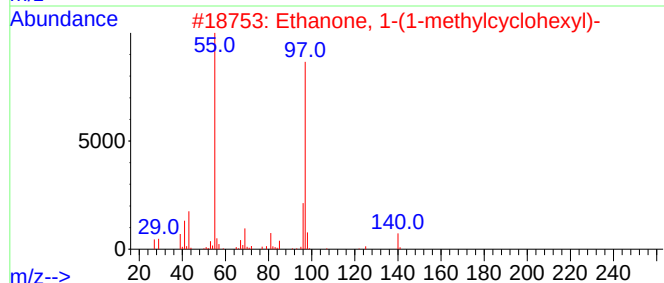
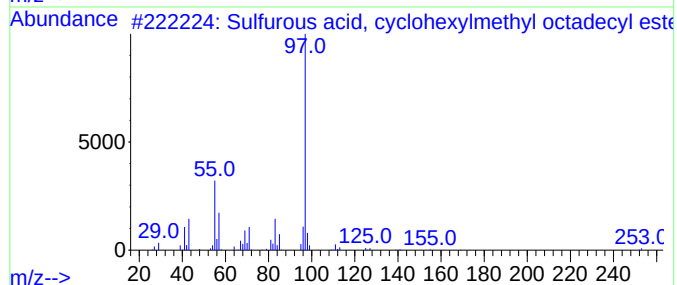
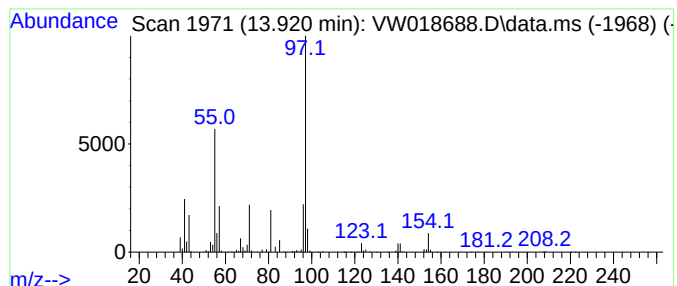
Instrument :
MSVOA_W
ClientSampleId :
BG562

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 30 Sulfurous acid, cyclohexylm... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.920	28.69 ug/L	795128	1,4-Dichlorobenzene-d4			13.560
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Sulfurous acid, cyclohexylmethyl...		430	C25H50O3S	1000309-22-6	59
2	Ethanone, 1-(1-methylcyclohexyl)-		140	C9H16O	002890-62-2	59
3	cis-1-Ethyl-3-methyl-cyclohexane		126	C9H18	019489-10-2	53
4	Cyclohexane, 1-ethyl-1-methyl-		126	C9H18	004926-90-3	53
5	Sulfurous acid, cyclohexylmethyl...		416	C24H48O3S	1000309-22-5	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG562

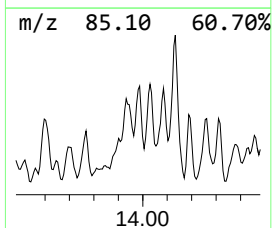
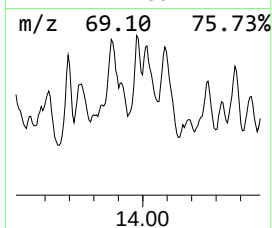
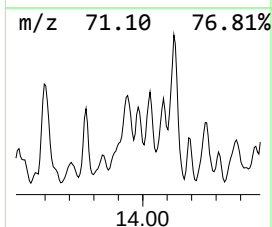
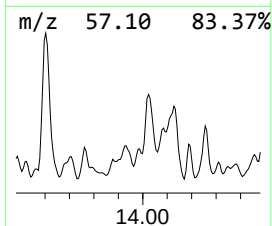
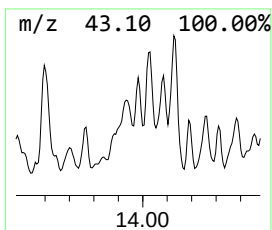
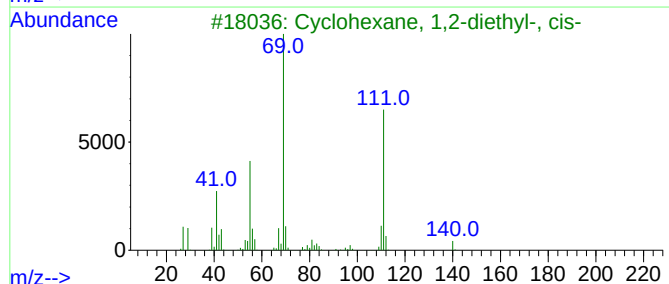
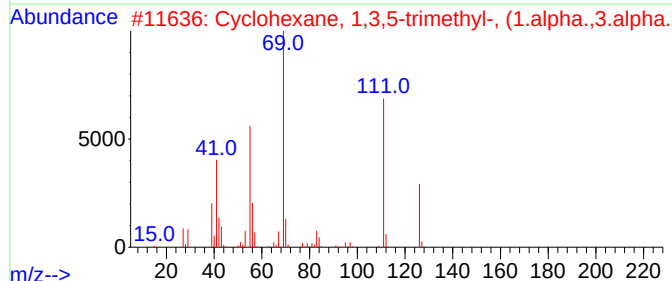
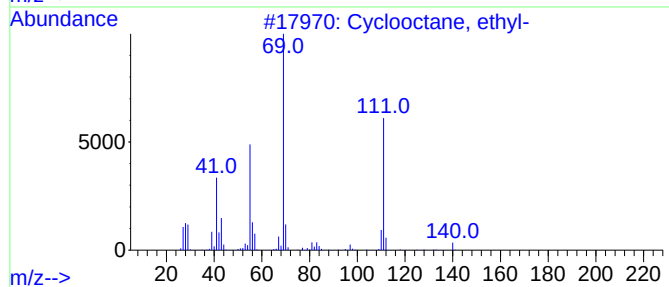
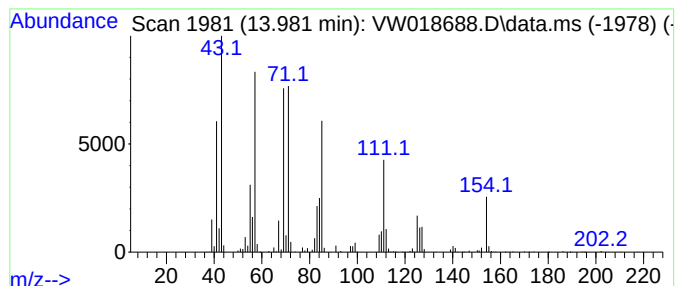
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 31 (DEL) Alkane: Cyclic13.981 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.981	19.73 ug/L	546923	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclooctane, ethyl-	140	C10H20	013152-02-8	30
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	30
3			Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	30
4			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	30
5			Cyclooctane, ethyl-	140	C10H20	013152-02-8	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG562

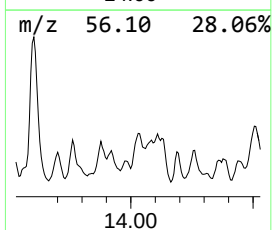
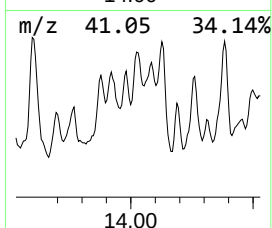
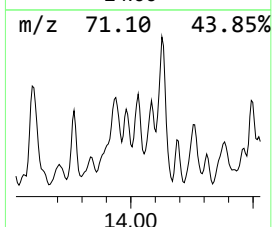
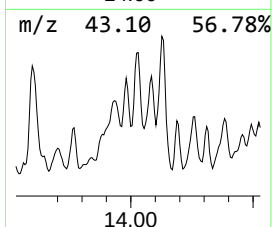
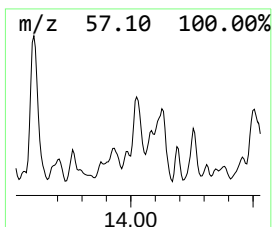
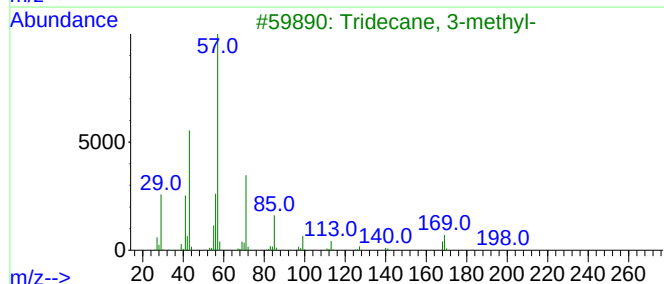
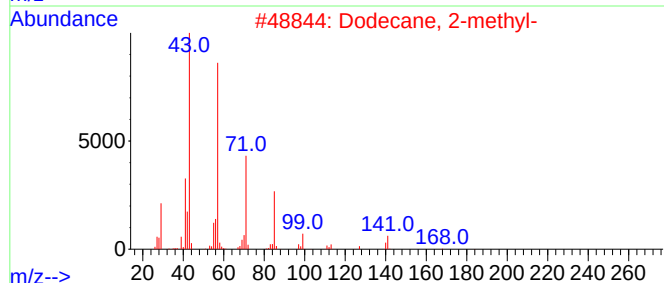
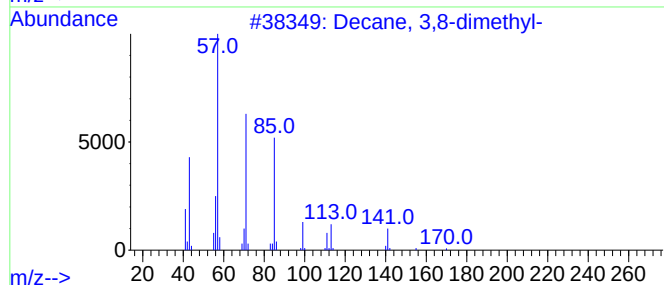
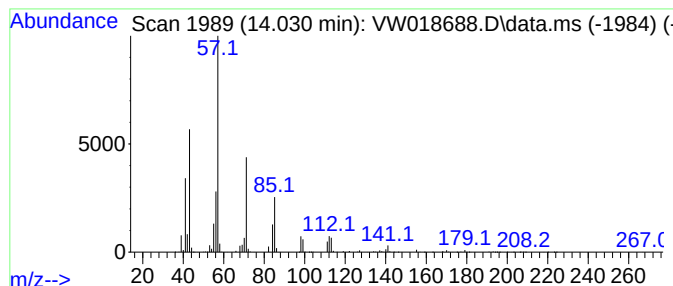
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.030	37.60 ug/L	1042170	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	80
2			Dodecane, 2-methyl-	184	C13H28	001560-97-0	59
3			Tridecane, 3-methyl-	198	C14H30	006418-41-3	59
4			Nonane, 3-methyl-	142	C10H22	005911-04-6	58
5			Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG562

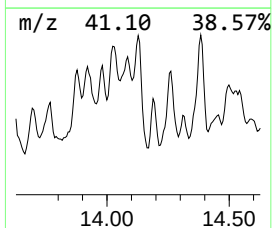
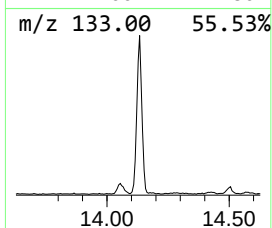
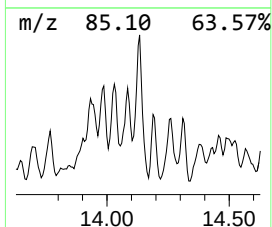
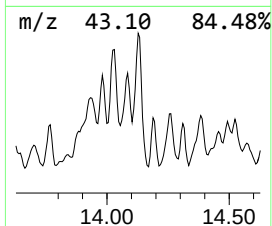
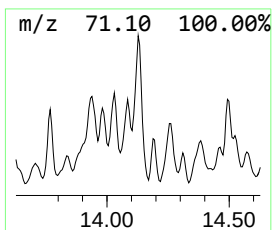
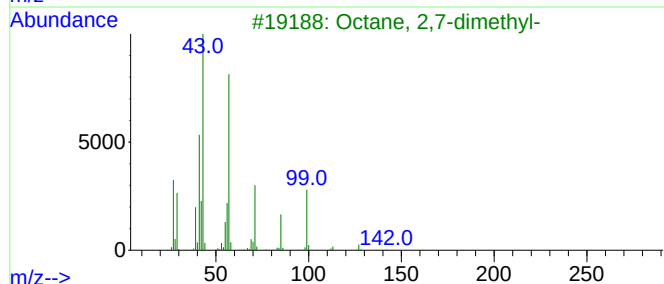
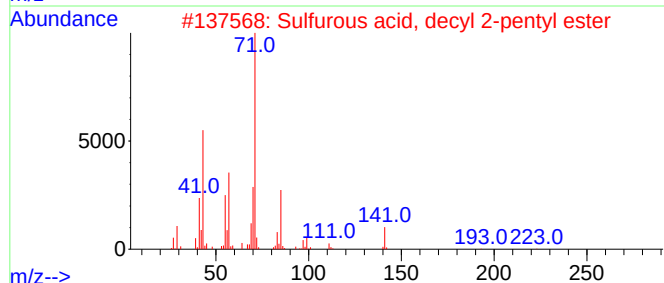
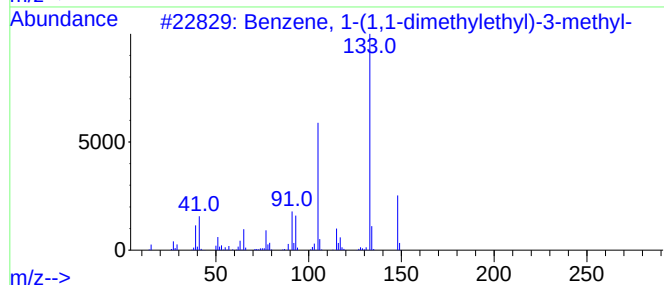
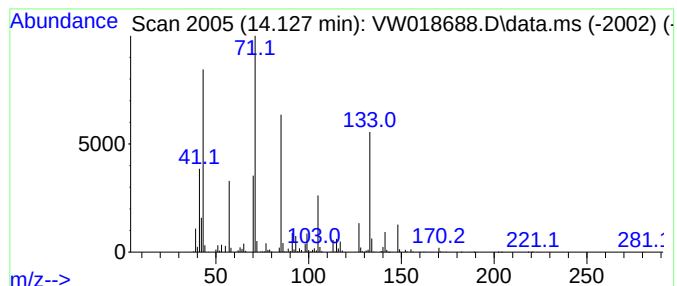
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 33 Benzene, 1-(1,1-dimethyleth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.127	84.47 ug/L	2341110	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	60
2			Sulfurous acid, decyl 2-pentyl e...	292	C15H32O3S	1000309-15-9	43
3			Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	43
4			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	43
5			Sulfurous acid, nonyl 2-pentyl e...	278	C14H30O3S	1000309-15-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG562

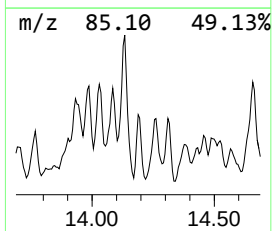
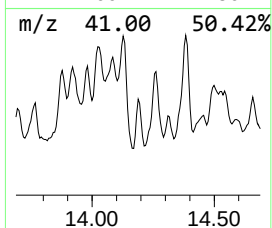
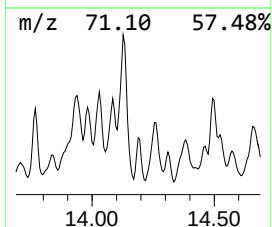
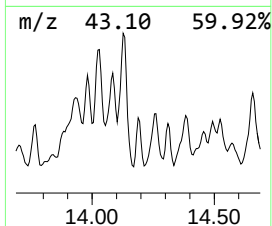
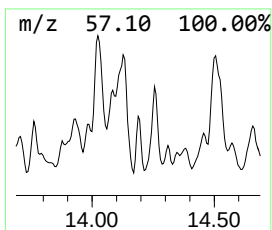
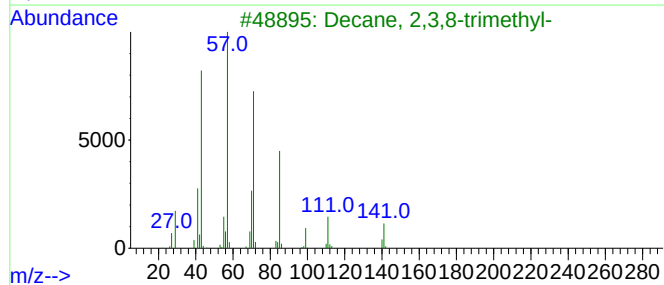
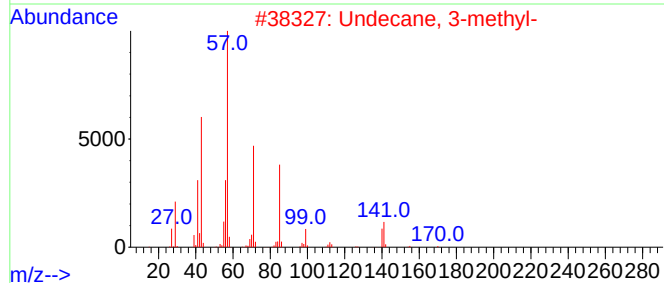
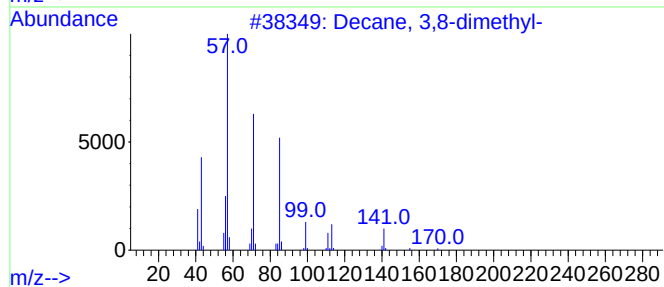
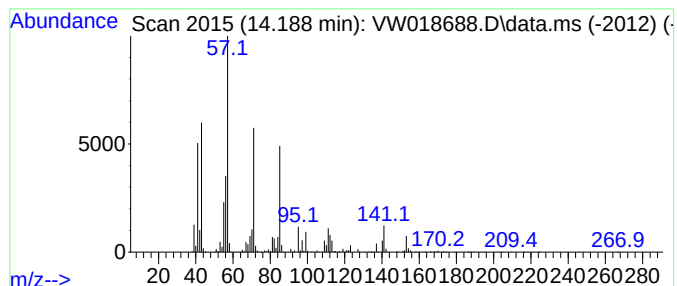
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.188	26.21 ug/L	726328	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	81
2			Undecane, 3-methyl-	170	C12H26	001002-43-3	74
3			Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	72
4			Bacchotricuneatin c	342	C20H22O5	066563-30-2	68
5			Nonane, 3-methyl-	142	C10H22	005911-04-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG562

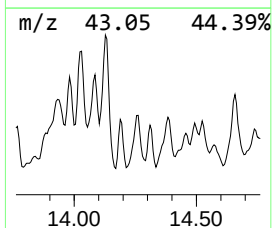
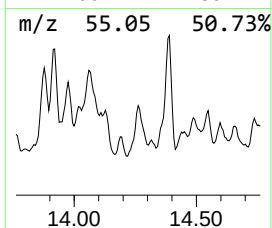
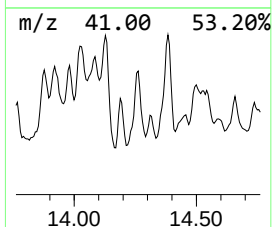
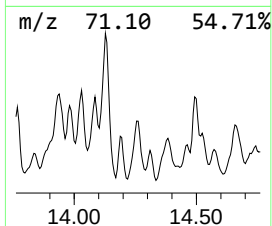
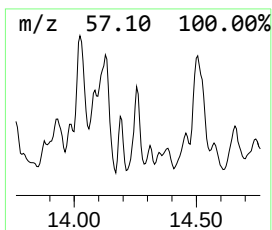
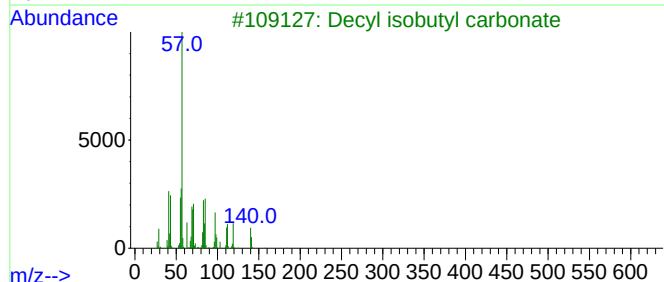
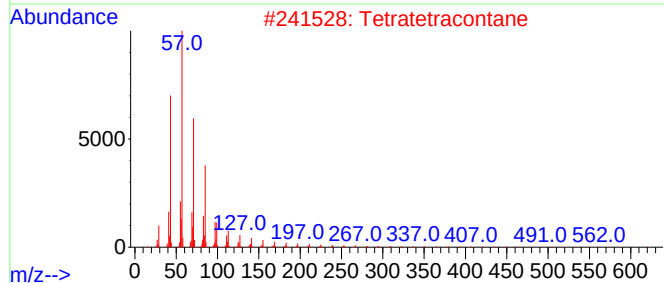
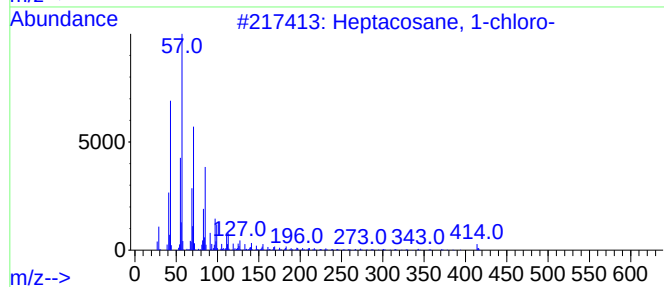
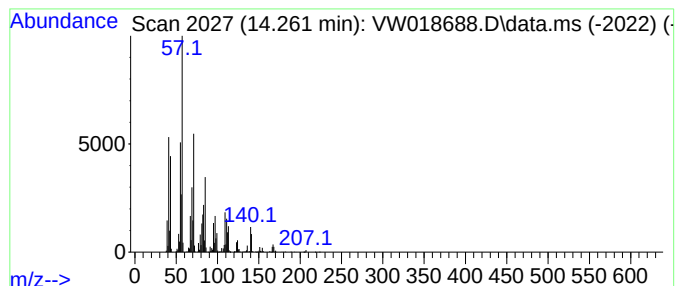
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 35 Heptacosane, 1-chloro- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.261	51.81 ug/L	1435810	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	53
2			Tetratetracontane	619	C44H90	007098-22-8	47
3			Decyl isobutyl carbonate	258	C15H30O3	959226-07-4	43
4			Nonane, 3-methyl-	142	C10H22	005911-04-6	42
5			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

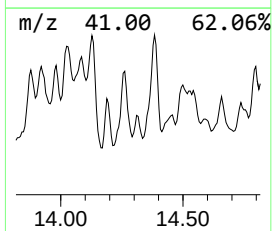
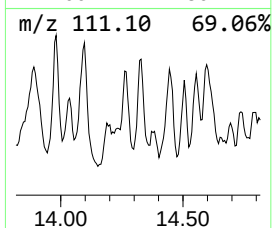
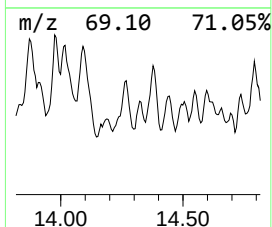
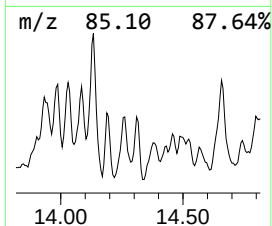
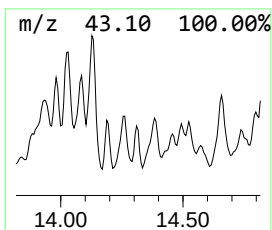
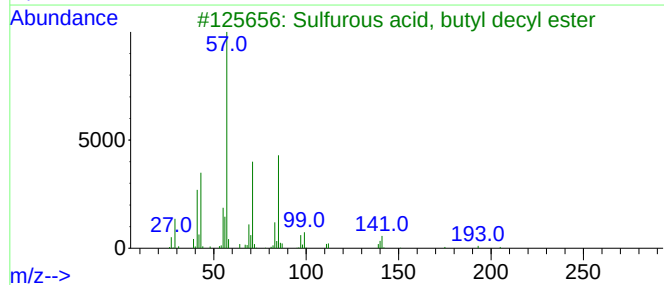
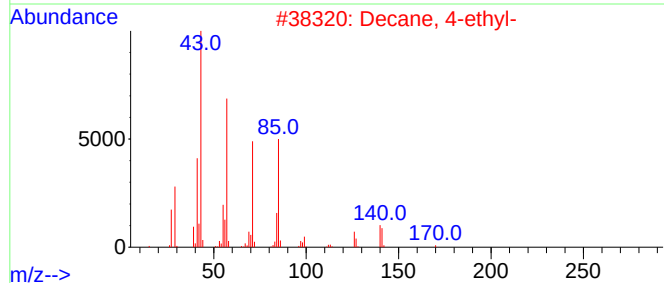
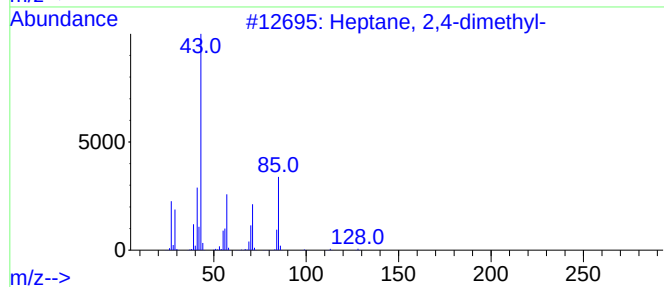
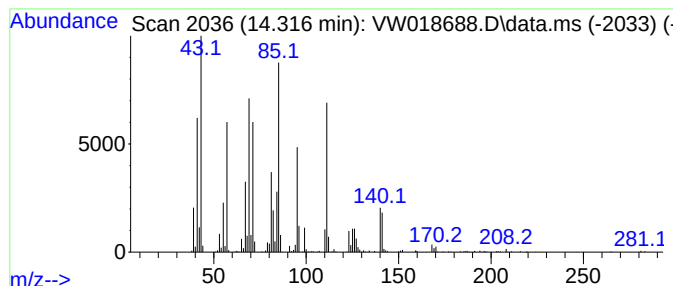
Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.316	10.30 ug/L	285504	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	45
2	Decane, 4-ethyl-		170	C12H26	001636-44-8	38
3	Sulfurous acid, butyl decyl ester		278	C14H30O3S	1000309-17-7	38
4	3-Ethyl-3-methylheptadecane		282	C20H42	1000360-42-4	35
5	Oxalic acid, decyl isohexyl ester		314	C18H34O4	1000309-33-3	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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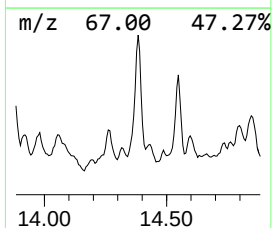
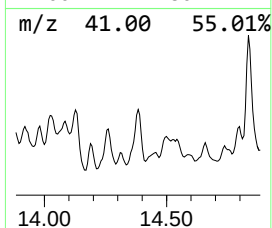
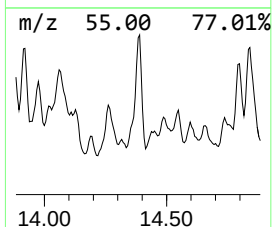
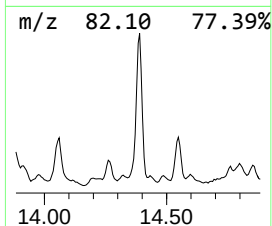
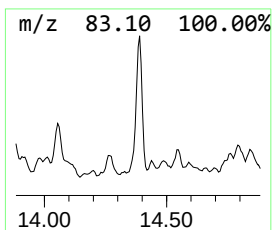
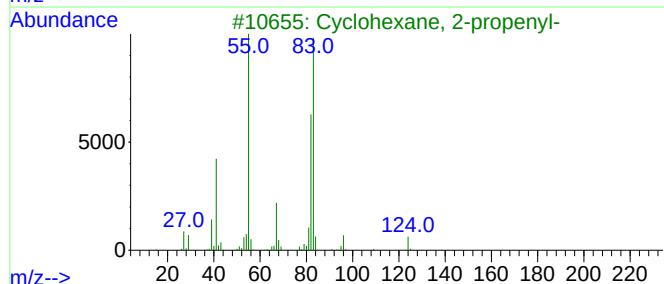
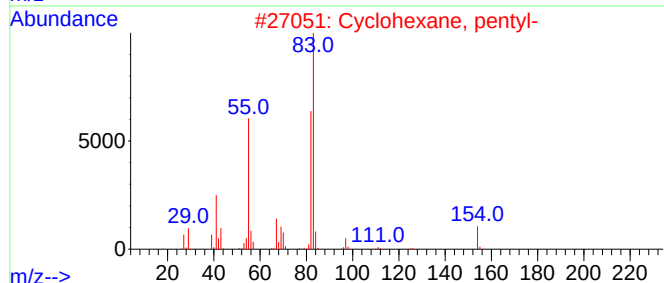
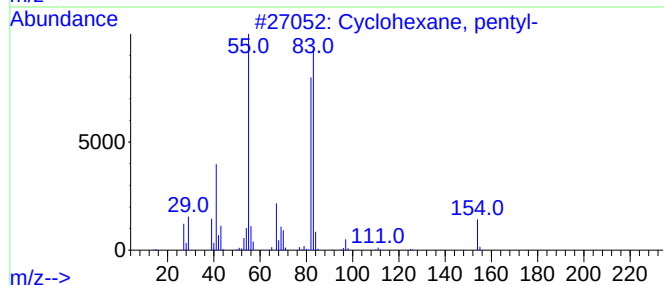
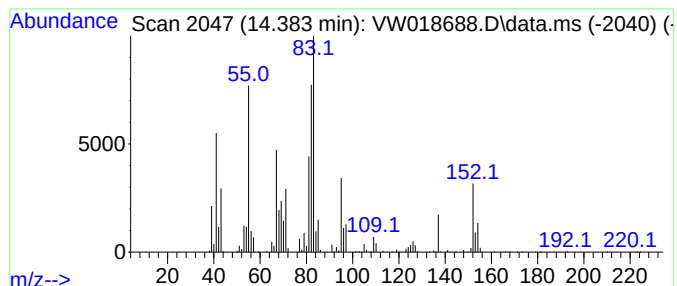
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 37 (DEL) Alkane: Cyclic14.383 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	93.10 ug/L	2580370	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, pentyl-	154	C11H22	004292-92-6	53
2			Cyclohexane, pentyl-	154	C11H22	004292-92-6	53
3			Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	50
4			Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
5			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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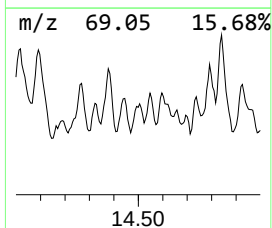
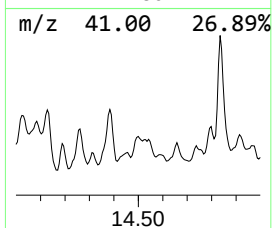
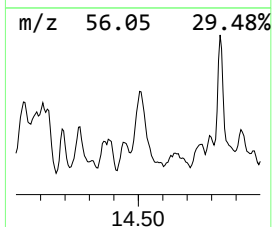
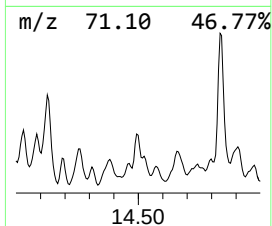
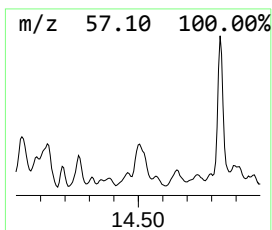
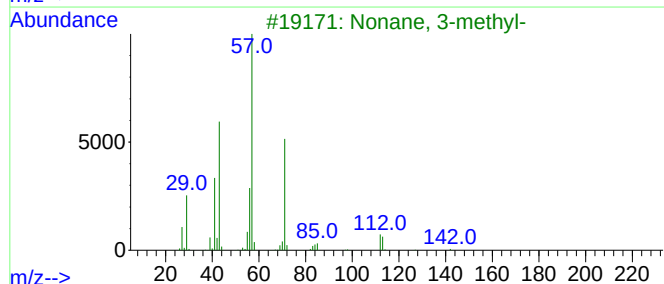
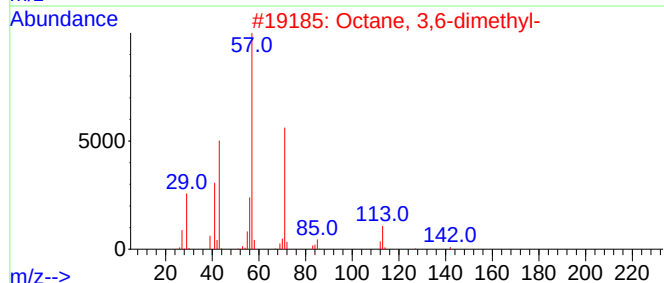
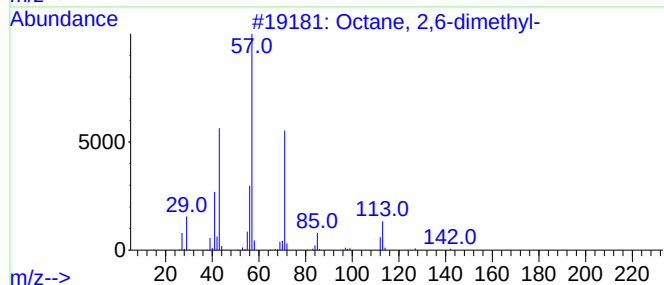
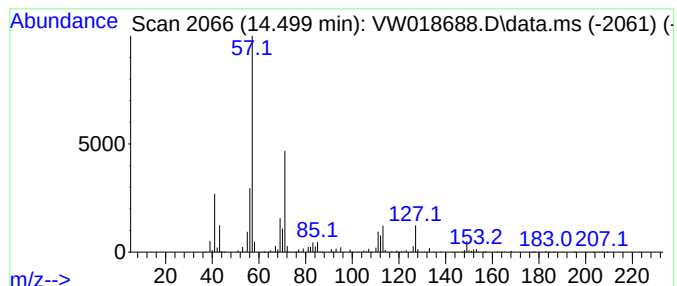
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.499	31.64 ug/L	876827	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
2		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	59
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	59
4		Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	59
5		Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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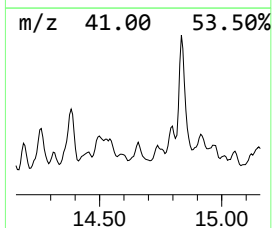
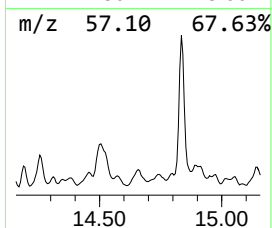
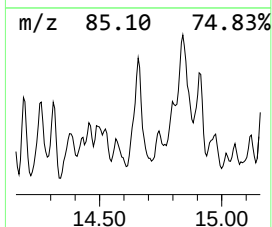
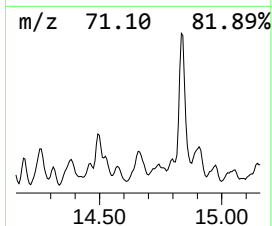
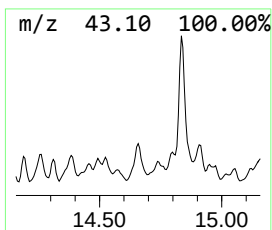
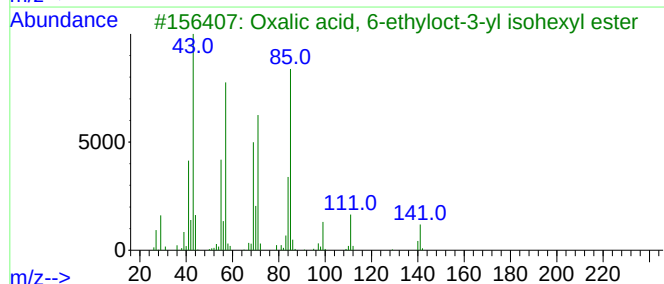
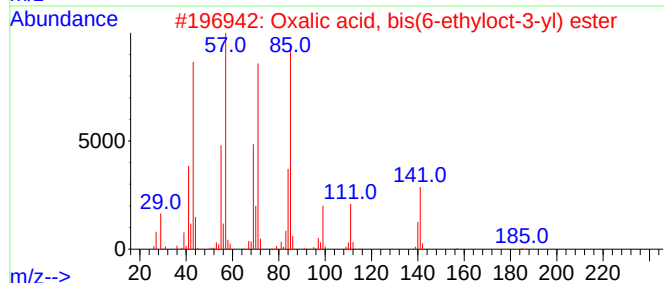
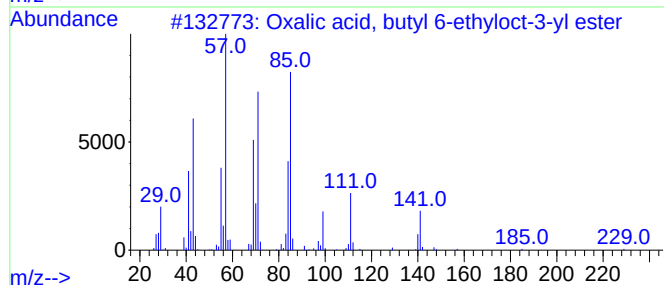
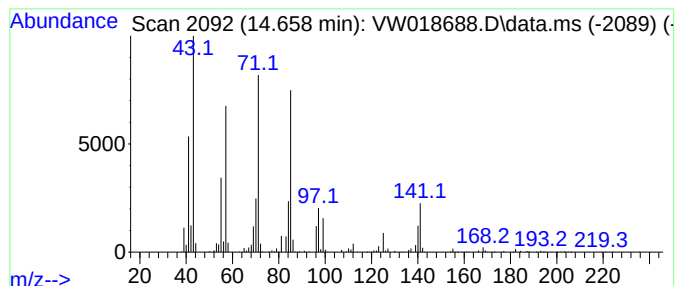
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 39 Oxalic acid, butyl 6-ethylo... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.658	23.79 ug/L	659370	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, butyl 6-ethyloct-3-...	286	C16H30O4	1000309-34-2	72		
2	Oxalic acid, bis(6-ethyloct-3-yl...	370	C22H42O4	1000309-34-6	58		
3	Oxalic acid, 6-ethyloct-3-yl iso...	314	C18H34O4	1000309-34-3	50		
4	Decane, 3-bromo-	220	C10H21Br	030571-71-2	47		
5	Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	47		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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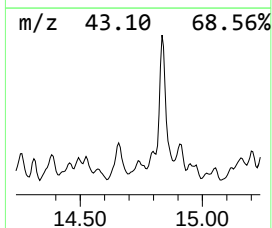
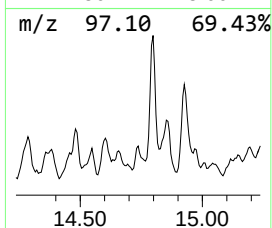
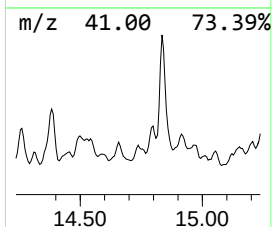
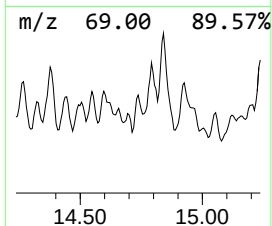
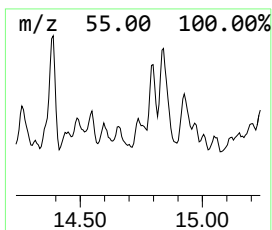
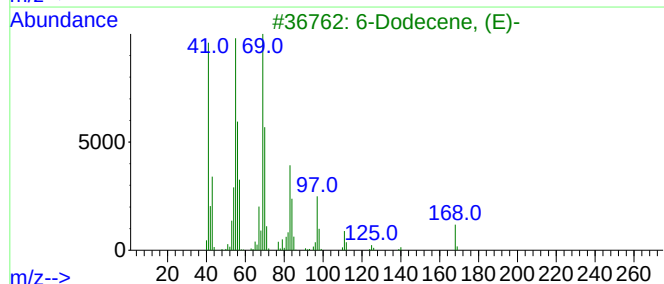
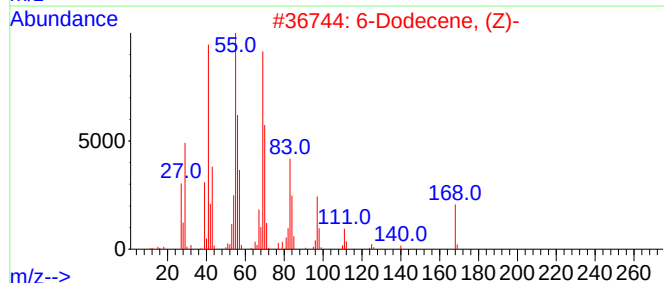
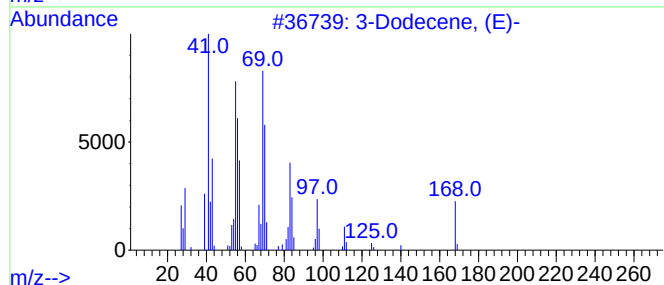
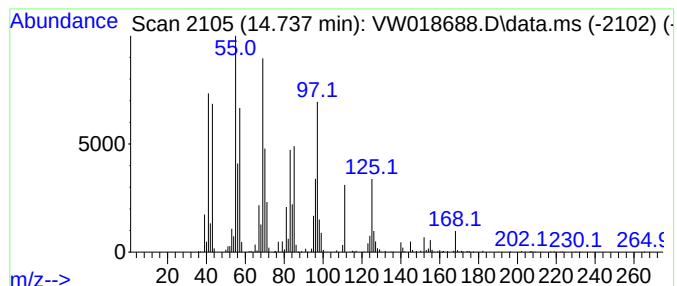
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.737	25.07 ug/L	694740	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Dodecene, (E)-	168	C12H24	007206-14-6	70
2		6-Dodecene, (Z)-	168	C12H24	007206-29-3	58
3		6-Dodecene, (E)-	168	C12H24	007206-17-9	46
4		Cetene	224	C16H32	000629-73-2	43
5		1-Tetradecene	196	C14H28	001120-36-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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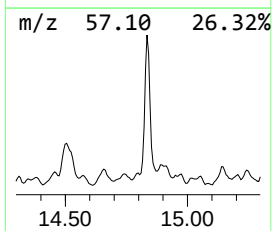
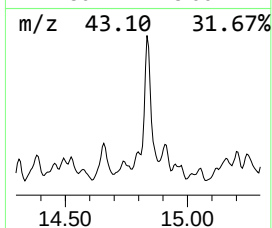
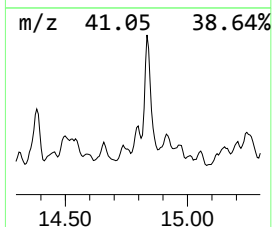
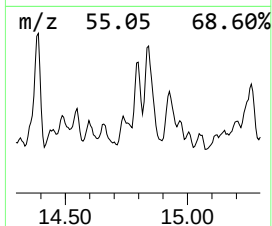
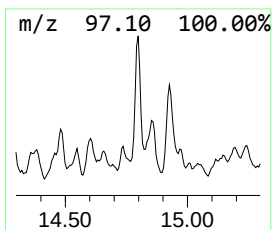
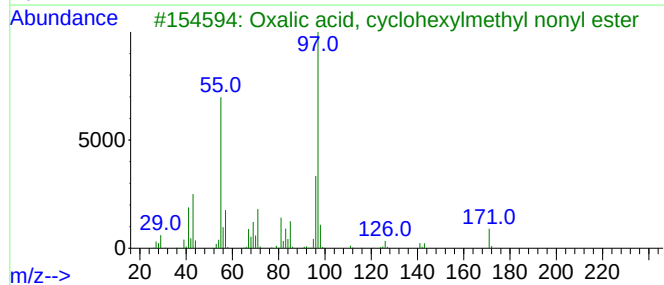
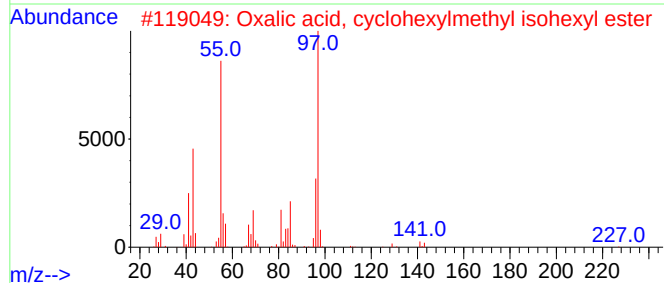
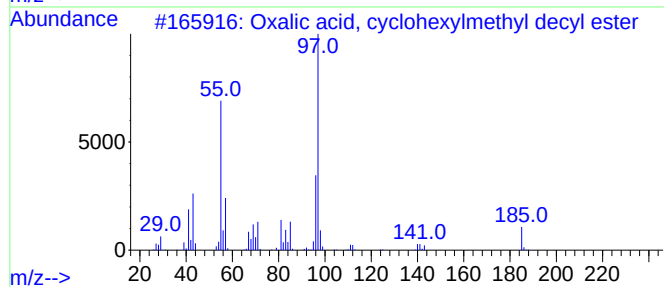
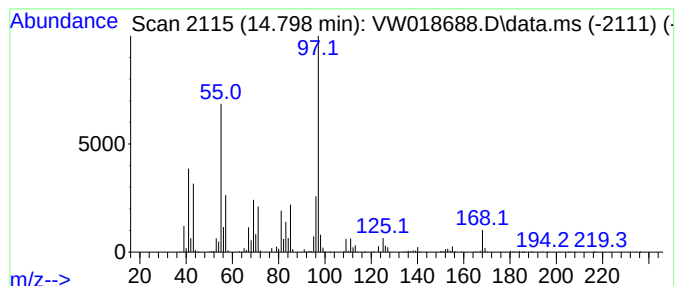
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 41 Oxalic acid, cyclohexylmeth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.798	39.61 ug/L	1097870	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, cyclohexylmethyl de...	326	C19H34O4	1000309-68-7	59
2			Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	58
3			Oxalic acid, cyclohexylmethyl no...	312	C18H32O4	1000309-68-6	58
4			Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	52
5			Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG562

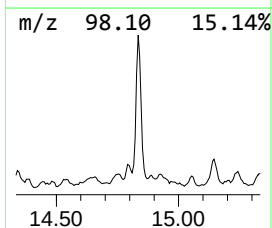
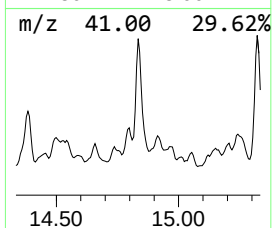
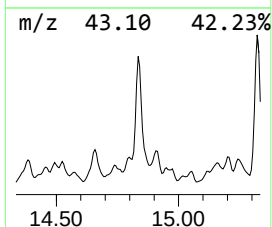
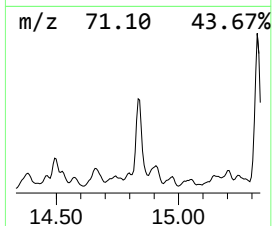
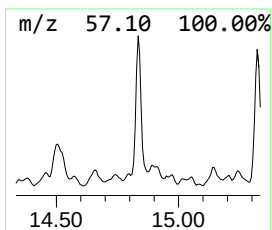
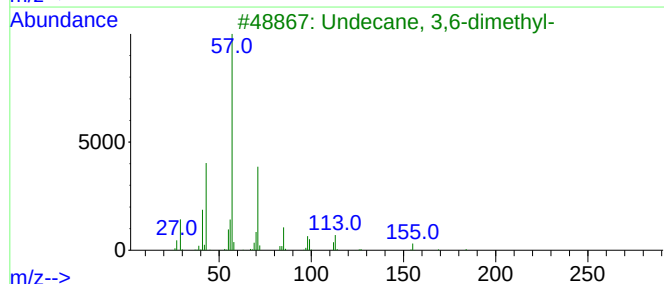
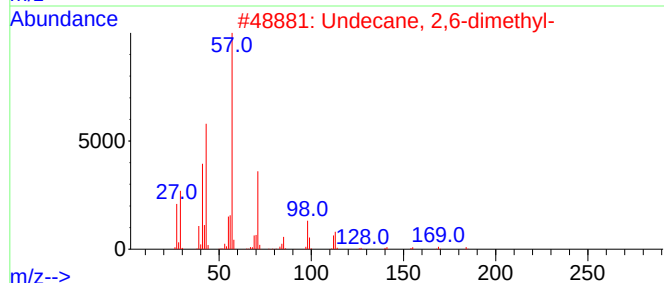
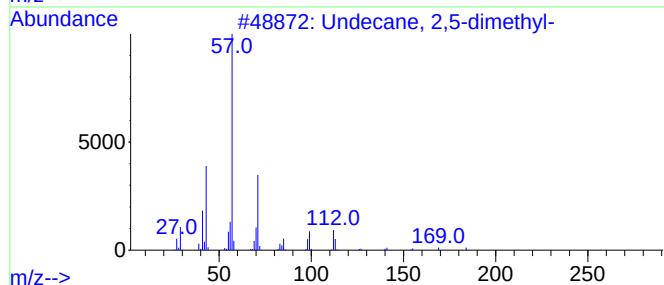
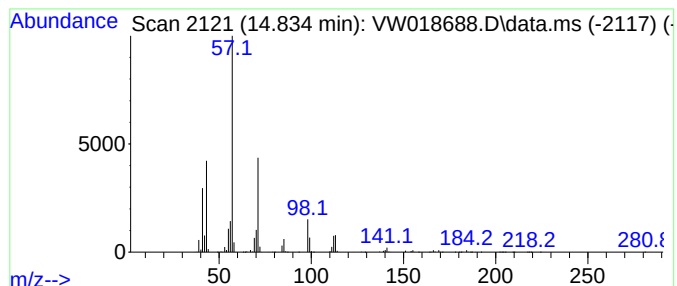
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.835	150.95 ug/L	4183630	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	93
2			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	91
3			Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	90
4			Dodecane, 6-methyl-	184	C13H28	006044-71-9	76
5			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG562

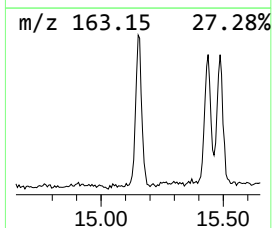
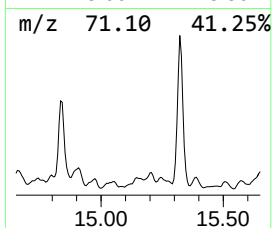
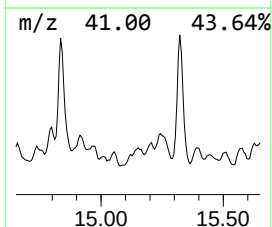
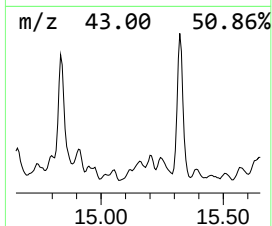
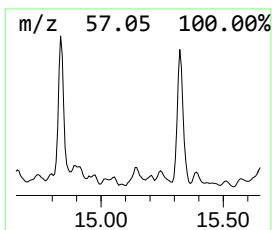
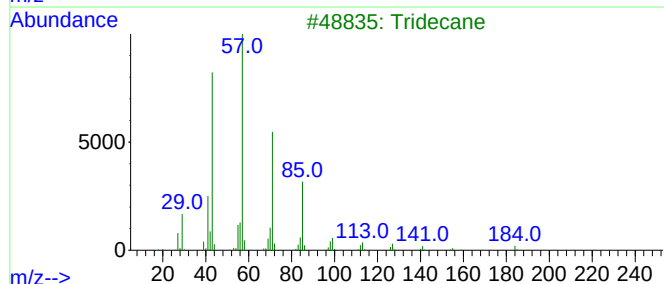
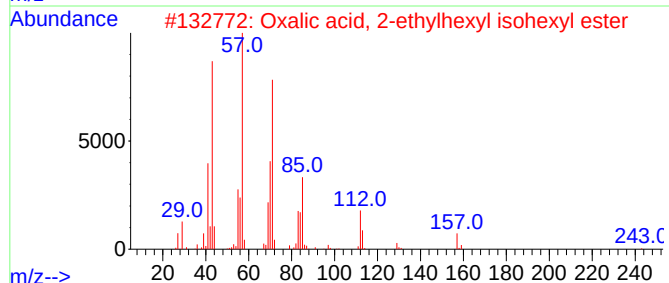
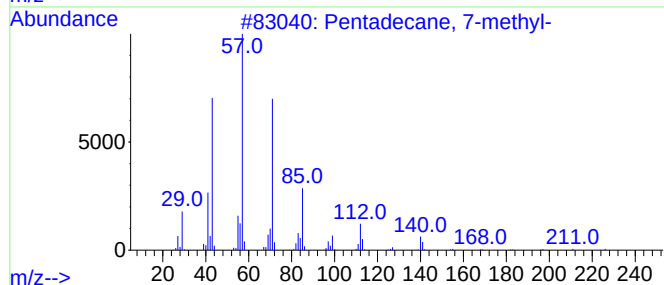
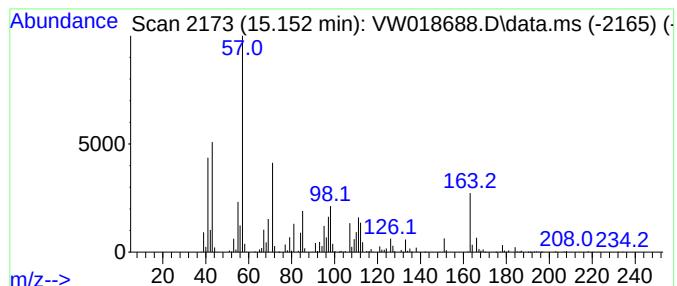
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.152	46.97 ug/L	1301750	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane, 7-methyl-	226	C16H34	006165-40-8	27
2			Oxalic acid, 2-ethylhexyl isohex...	286	C16H30O4	1000309-38-8	27
3			Tridecane	184	C13H28	000629-50-5	25
4			Hexadecane	226	C16H34	000544-76-3	22
5			Hexadecane	226	C16H34	000544-76-3	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG562

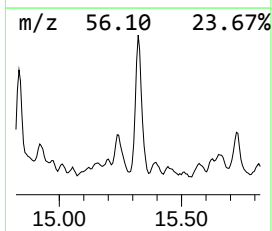
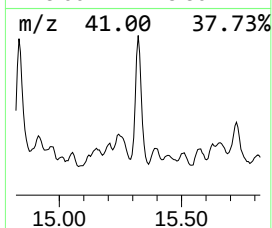
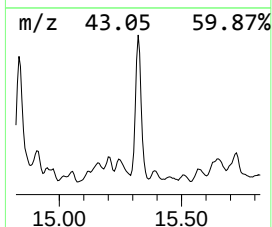
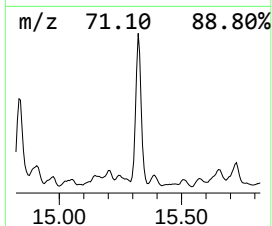
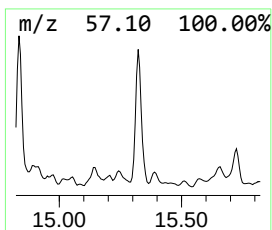
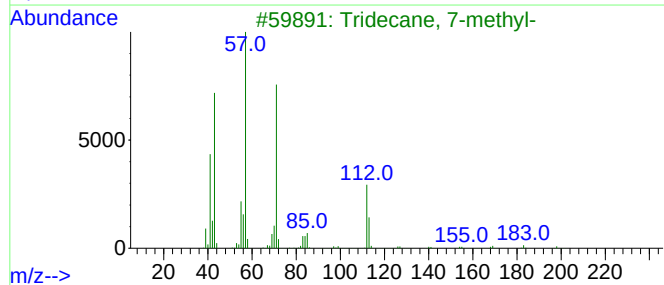
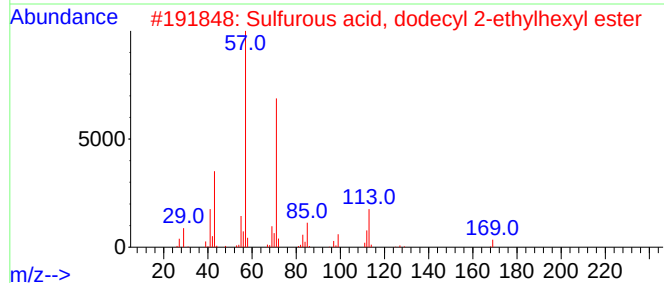
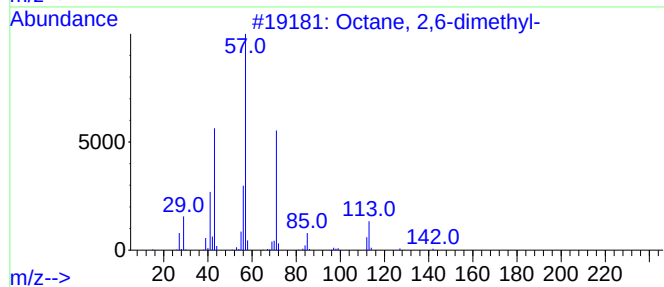
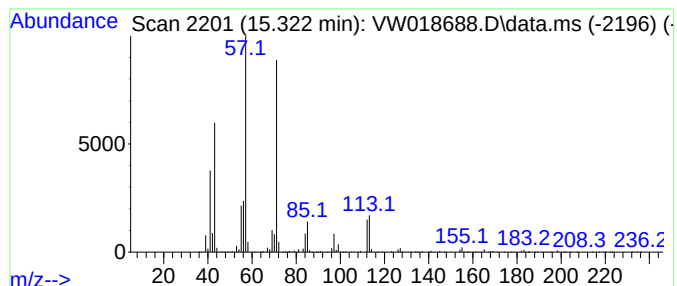
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	164.35 ug/L	4555000	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-		142	C10H22		002051-30-1	90
2	Sulfurous acid, dodecyl 2-ethylh...		362	C20H42O3S		1000309-19-5	72
3	Tridecane, 7-methyl-		198	C14H30		026730-14-3	72
4	Nonane, 4-methyl-5-propyl-		184	C13H28		062185-55-1	64
5	Oxalic acid, bis(2-ethylhexyl) e...		314	C18H34O4		1000309-39-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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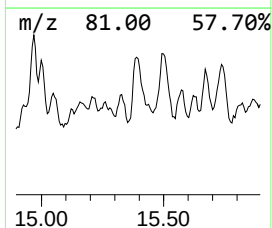
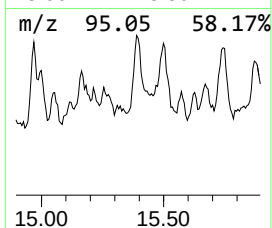
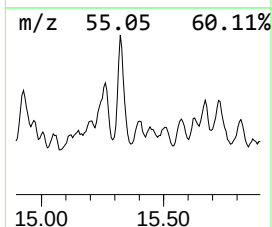
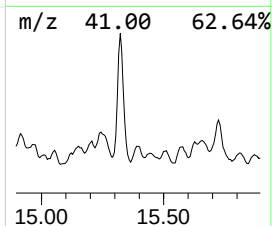
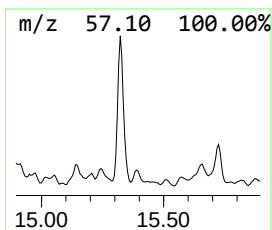
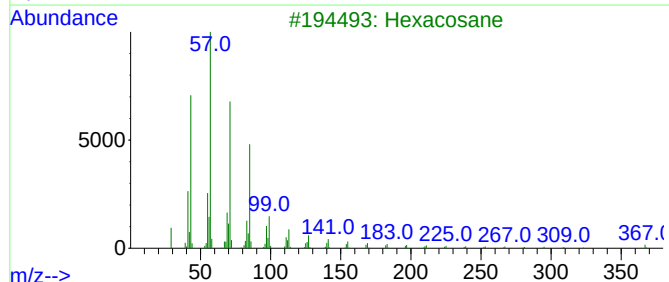
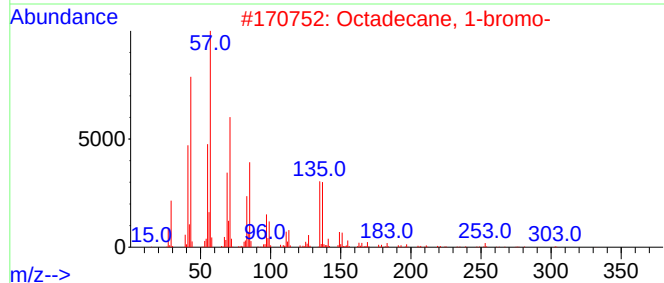
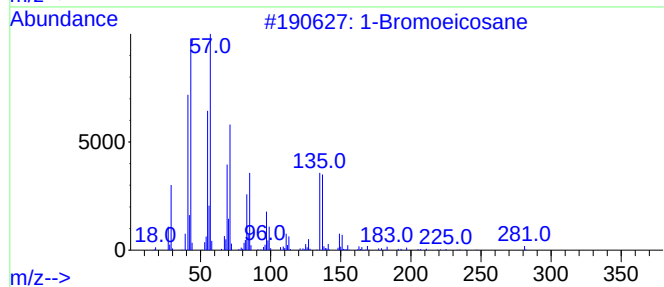
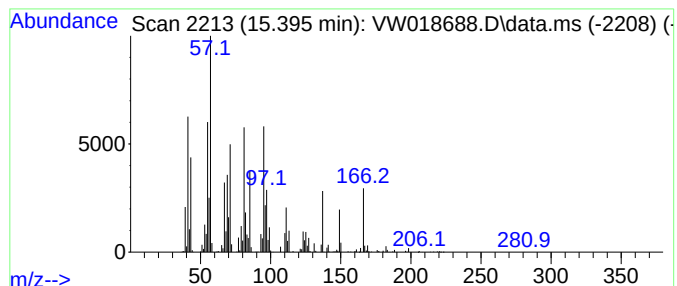
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 45 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.395	30.29 ug/L	839393	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Bromoeicosane	360	C20H41Br	004276-49-7	30
2		Octadecane, 1-bromo-	332	C18H37Br	000112-89-0	27
3		Hexacosane	366	C26H54	000630-01-3	18
4		Hexacosane	366	C26H54	000630-01-3	18
5		Oxalic acid, butyl 6-ethyloct-3-...	286	C16H30O4	1000309-34-2	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

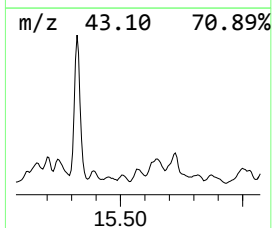
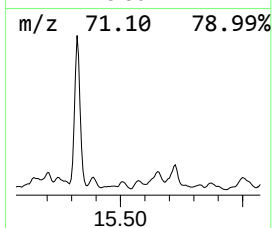
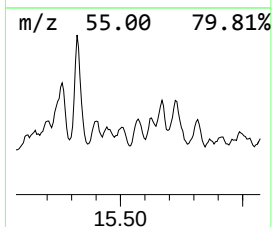
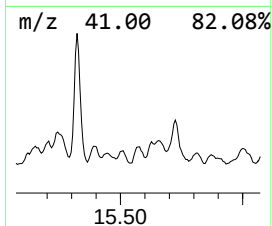
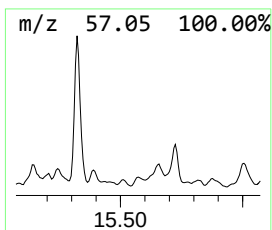
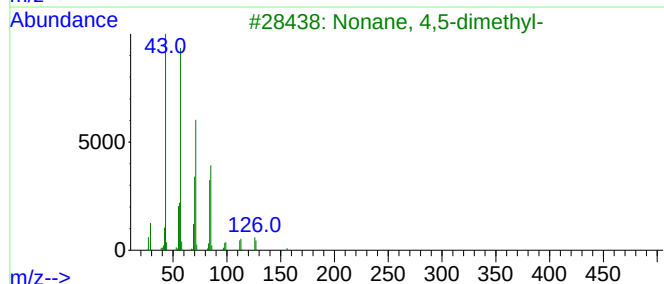
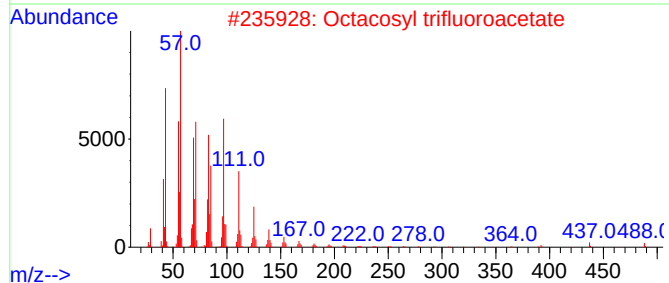
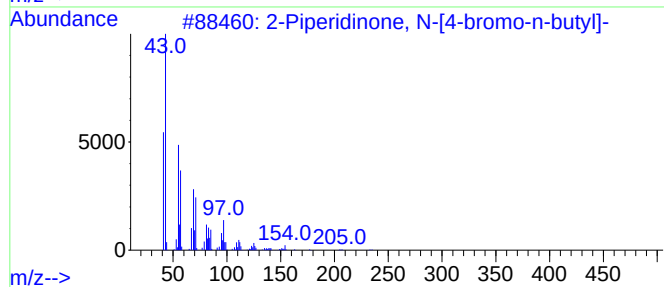
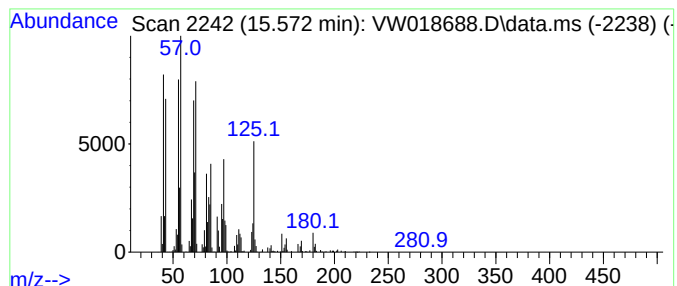
Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 46 2-Piperidinone, N-[4-bromo-... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD		R.T.	
15.572	26.77 ug/L	741809	1,4-Dichlorobenzene-d4		13.560	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Piperidinone, N-[4-bromo-n-but...		233	C9H16BrNO	195194-80-0	52
2	Octacosyl trifluoroacetate		506	C30H57F3O2	1000351-74-9	49
3	Nonane, 4,5-dimethyl-		156	C11H24	017302-23-7	38
4	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	38
5	Oxalic acid, allyl nonyl ester		256	C14H24O4	1000309-23-7	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG562

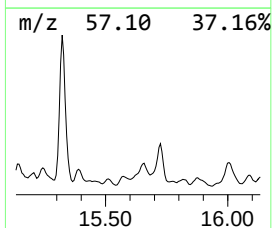
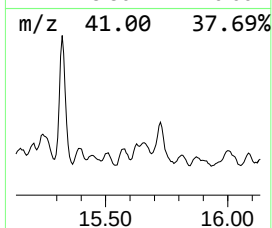
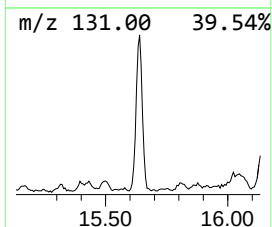
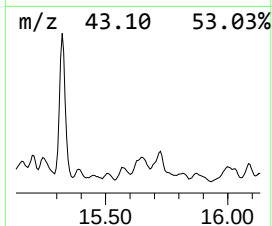
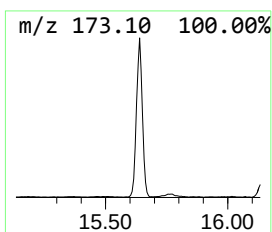
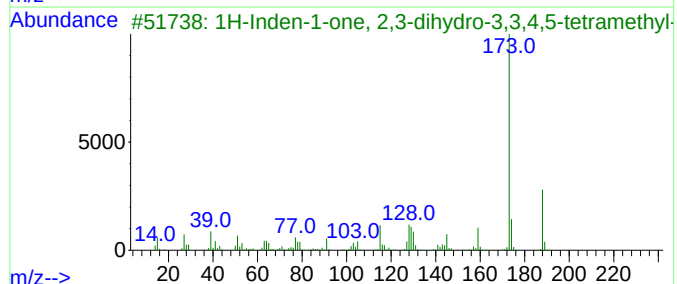
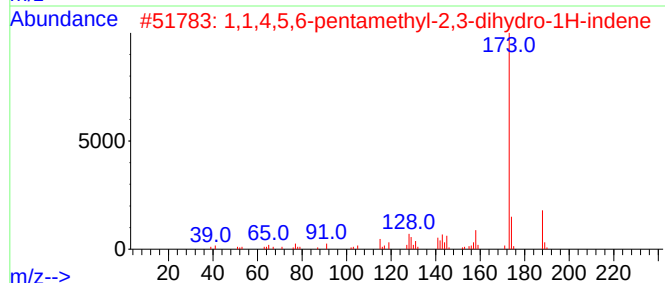
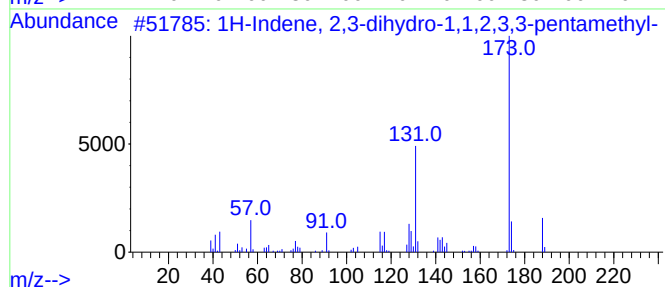
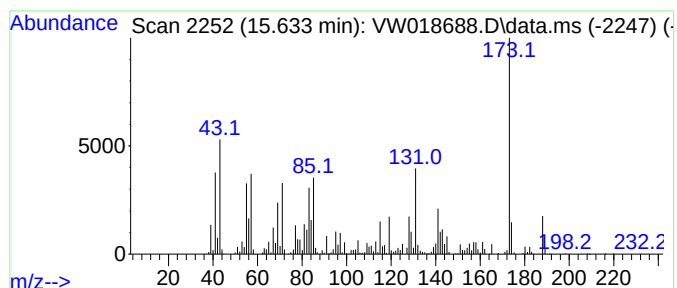
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 47 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.633	86.08 ug/L	2385780	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,1,2,3,3...	188	C14H20	001203-17-4	81
2			1,1,4,5,6-pentamethyl-2,3-dihydr...	188	C14H20	1000374-13-8	53
3			1H-Inden-1-one, 2,3-dihydro-3,3,...	188	C13H16O	056298-98-7	49
4			1H-Inden-1-one, 2,3-dihydro-3,3,...	188	C13H16O	054789-22-9	46
5			1,3-Cyclohexadiene, 2,6,6-trimet...	188	C14H20	052260-01-2	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG562

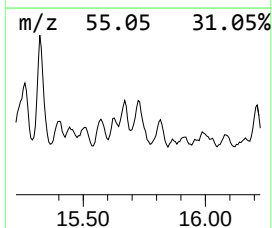
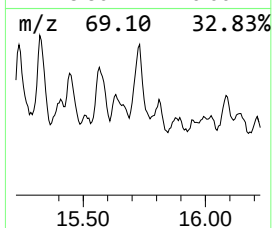
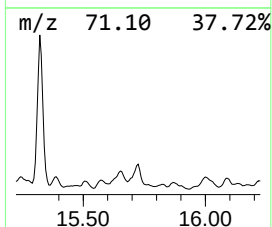
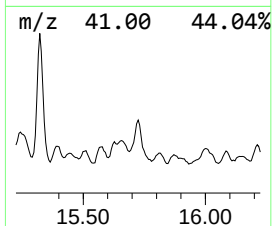
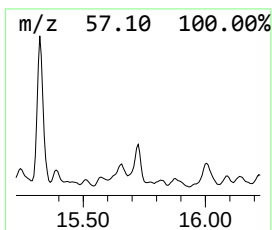
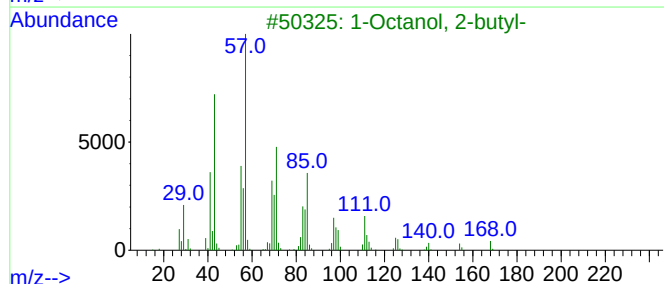
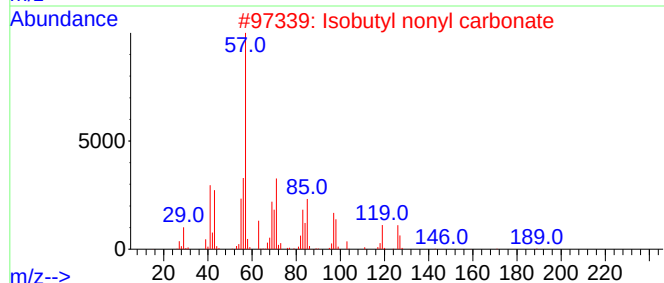
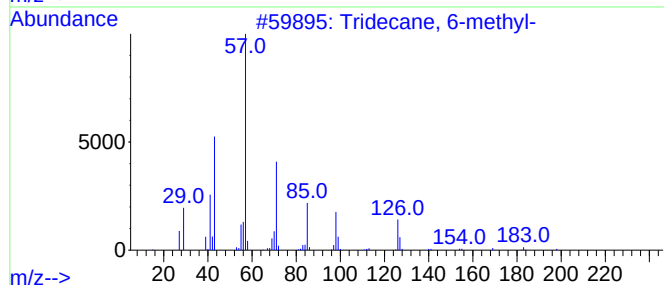
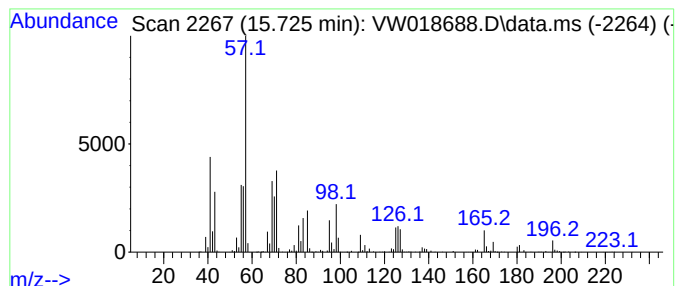
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 48 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.725	64.45 ug/L	1786120	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 6-methyl-	198	C14H30	013287-21-3	49
2			Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	47
3			1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	38
4			Tridecane, 6-methyl-	198	C14H30	013287-21-3	35
5			Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG562

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

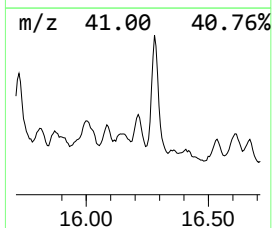
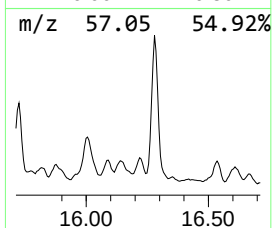
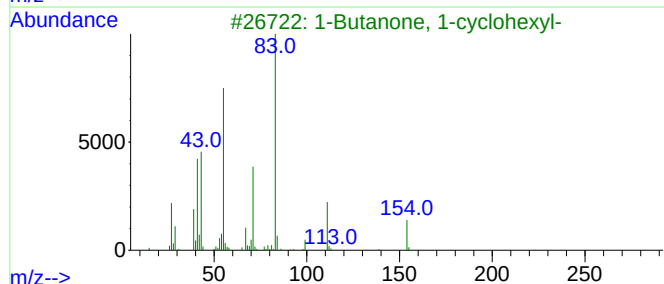
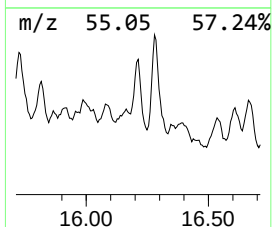
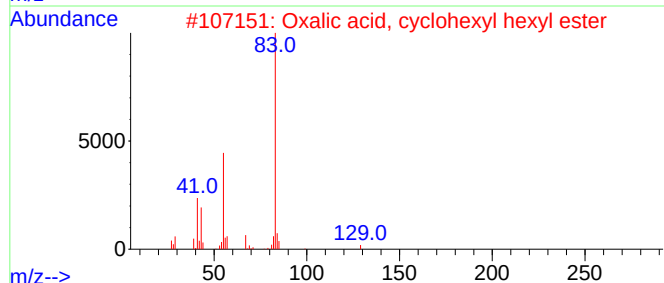
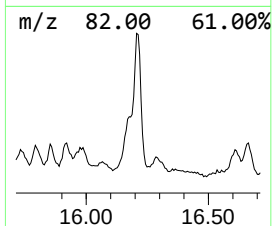
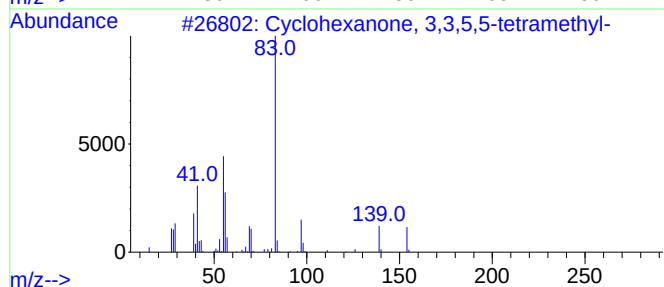
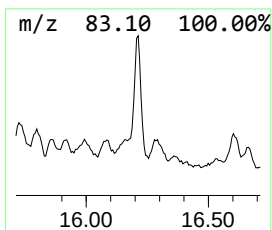
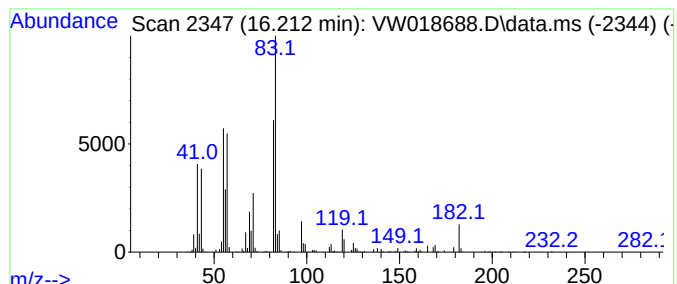
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 49 unknown-02

Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.212	22.43 ug/L	621755	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexanone, 3,3,5,5-tetramethyl-	154	C10H18O	014376-79-5	38
2			Oxalic acid, cyclohexyl hexyl ester	256	C14H24O4	1000309-30-8	35
3			1-Butanone, 1-cyclohexyl-	154	C10H18O	001462-27-7	35
4			1,5-Heptadien-4-one, 3,3,6-trime...	152	C10H16O	000546-49-6	27
5			Tridecane, 4-cyclohexyl-	266	C19H38	013151-89-8	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018688.D
Acq On : 20 Apr 2021 14:00
Operator : SY/VA
Sample : M2065-09
Misc : 5.03G/10ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG562

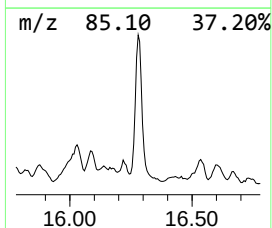
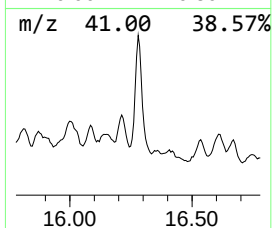
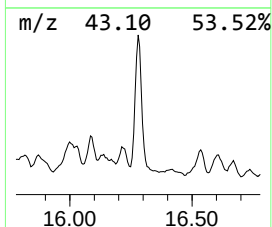
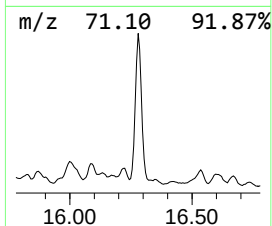
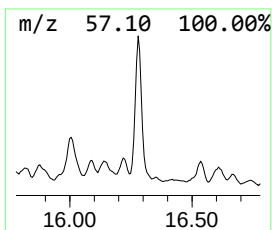
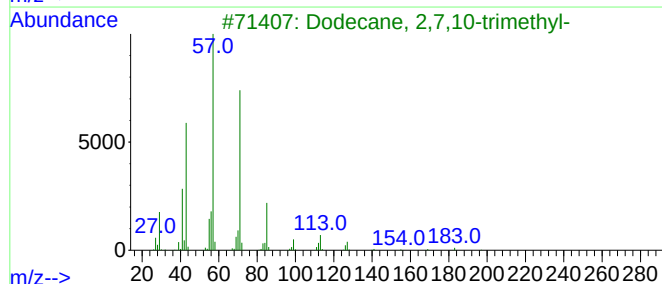
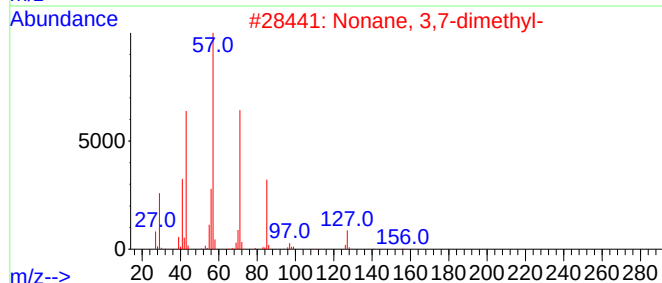
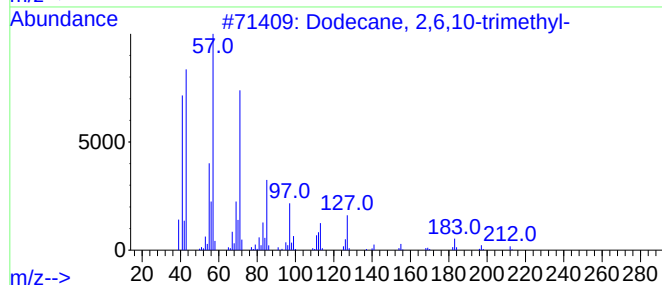
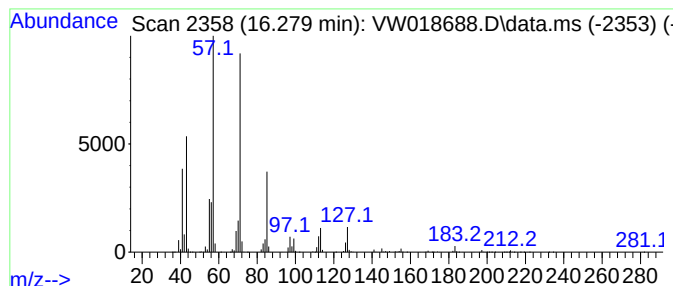
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Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.279	111.56 ug/L	3091890	1,4-Dichlorobenzene-d4	13.560

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	91
2		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	91
3		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
5		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
 Data File : VW018688.D
 Acq On : 20 Apr 2021 14:00
 Operator : SY/VA
 Sample : M2065-09
 Misc : 5.03G/10ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG562

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
 Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	9.073	1.5	ug/L	75394	1	8.842	1264660	25.0
(DEL) Alkane: S...	9.896	1.5	ug/L	76121	1	8.842	1264660	25.0
(DEL) Alkane: C...	11.817	2.1	ug/L	109572	2	11.634	1304920	25.0
(DEL) Alkane: S...	11.878	2.6	ug/L	137168	2	11.634	1304920	25.0
(DEL) Alkane: C...	11.981	1.9	ug/L	100289	2	11.634	1304920	25.0
(DEL) Alkane: S...	12.061	3.4	ug/L	179498	2	11.634	1304920	25.0
(DEL) Alkane: S...	12.134	10.4	ug/L	541256	2	11.634	1304920	25.0
(DEL) Alkane: S...	12.250	19.6	ug/L	1023810	2	11.634	1304920	25.0
(DEL) Alkane: S...	12.359	35.2	ug/L	1838320	2	11.634	1304920	25.0
(DEL) Alkane: C...	12.457	4.1	ug/L	215994	2	11.634	1304920	25.0
(DEL) Alkane: S...	12.499	12.6	ug/L	659636	2	11.634	1304920	25.0
(DEL) Alkane: S...	12.597	32.9	ug/L	1715680	2	11.634	1304920	25.0
(DEL) Alkane: C...	12.780	52.2	ug/L	1445910	3	13.560	692872	25.0
Oxalic acid, cy...	12.859	27.0	ug/L	748959	3	13.560	692872	25.0
(DEL) Alkane: C...	12.945	94.7	ug/L	2623920	3	13.560	692872	25.0
(DEL) Alkane: S...	13.079	46.6	ug/L	1292380	3	13.560	692872	25.0
(DEL) Alkane: S...	13.128	37.3	ug/L	1034510	3	13.560	692872	25.0
(DEL) Alkane: S...	13.164	33.6	ug/L	932718	3	13.560	692872	25.0
(DEL) Alkane: S...	13.292	42.8	ug/L	1186640	3	13.560	692872	25.0
(DEL) Alkane: S...	13.341	25.8	ug/L	715560	3	13.560	692872	25.0
(DEL) Alkane: S...	13.408	45.1	ug/L	1249670	3	13.560	692872	25.0
(DEL) Alkane: S...	13.481	14.2	ug/L	394375	3	13.560	692872	25.0
(DEL) Alkane: C...	13.694	35.0	ug/L	969059	3	13.560	692872	25.0
Sulfurous acid,...	13.768	25.7	ug/L	713471	3	13.560	692872	25.0
Sulfurous acid,...	13.920	28.7	ug/L	795128	3	13.560	692872	25.0
(DEL) Alkane: C...	13.981	19.7	ug/L	546923	3	13.560	692872	25.0
(DEL) Alkane: S...	14.030	37.6	ug/L	1042170	3	13.560	692872	25.0
Benzene, 1-(1,1...	14.127	84.5	ug/L	2341110	3	13.560	692872	25.0
(DEL) Alkane: S...	14.188	26.2	ug/L	726328	3	13.560	692872	25.0
Heptacosane, 1-...	14.261	51.8	ug/L	1435810	3	13.560	692872	25.0
(DEL) Alkane: S...	14.316	10.3	ug/L	285504	3	13.560	692872	25.0
(DEL) Alkane: C...	14.383	93.1	ug/L	2580370	3	13.560	692872	25.0
(DEL) Alkane: S...	14.499	31.6	ug/L	876827	3	13.560	692872	25.0
Oxalic acid, bu...	14.658	23.8	ug/L	659370	3	13.560	692872	25.0
(DEL) Alkane: S...	14.737	25.1	ug/L	694740	3	13.560	692872	25.0
Oxalic acid, cy...	14.798	39.6	ug/L	1097870	3	13.560	692872	25.0
(DEL) Alkane: S...	14.835	150.9	ug/L	4183630	3	13.560	692872	25.0
(DEL) Alkane: S...	15.152	47.0	ug/L	1301750	3	13.560	692872	25.0
(DEL) Alkane: S...	15.322	164.3	ug/L	4555000	3	13.560	692872	25.0
unknown-01	15.395	30.3	ug/L	839393	3	13.560	692872	25.0
2-Piperidinone,...	15.572	26.8	ug/L	741809	3	13.560	692872	25.0
1H-Indene, 2,3-...	15.633	86.1	ug/L	2385780	3	13.560	692872	25.0
(DEL) Alkane: S...	15.725	64.5	ug/L	1786120	3	13.560	692872	25.0
unknown-02	16.212	22.4	ug/L	621755	3	13.560	692872	25.0
(DEL) Alkane: S...	16.279	111.6	ug/L	3091890	3	13.560	692872	25.0