

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
 Data File : VW024164.D
 Acq On : 04 Aug 2022 16:39
 Operator : SY/VA
 Sample : N4008-01RE
 Misc : 5.60g/10mL/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0ZE5RE

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\SFAMWLM080422SMA.M
 Title : SFAM01.0

Signal : TIC: VW024164.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.952	6	8	15	rVB5	5100	9092	0.61%	0.061%
2	2.233	47	54	55	rBV5	7410	12737	0.85%	0.086%
3	2.343	64	72	86	rBV2	232367	440888	29.49%	2.975%
4	2.483	93	95	99	rVB4	4073	4845	0.32%	0.033%
5	2.641	116	121	131	rVB4	10542	30709	2.05%	0.207%
6	2.873	152	159	170	rVB	113033	248534	16.62%	1.677%
7	3.861	318	321	327	rVB8	1091	2239	0.15%	0.015%
8	4.001	332	344	357	rVV	117380	359942	24.07%	2.429%
9	4.123	357	364	374	rVV	24966	71268	4.77%	0.481%
10	4.208	374	378	380	rVV5	1772	2734	0.18%	0.018%
11	4.379	401	406	407	rVV5	2349	4049	0.27%	0.027%
12	4.409	409	411	412	rVV	2798	2730	0.18%	0.018%
13	4.909	482	493	505	rBV2	40701	144381	9.66%	0.974%
14	5.110	517	526	536	rBV	6186	24253	1.62%	0.164%
15	5.421	570	577	583	rVB9	4459	12054	0.81%	0.081%
16	5.921	650	659	670	rBV4	11249	34186	2.29%	0.231%
17	7.080	839	849	854	rBV2	43851	119534	7.99%	0.807%
18	7.159	854	862	881	rVB3	226669	646802	43.26%	4.365%
19	7.647	931	942	955	rVB	255418	631665	42.25%	4.263%
20	7.933	986	989	991	rBV4	2036	2443	0.16%	0.016%
21	8.268	1032	1044	1061	rBV2	501805	1495214	100.00%	10.090%
22	8.561	1086	1092	1093	rBV4	2116	2783	0.19%	0.019%
23	8.835	1128	1137	1146	rBV	415352	834643	55.82%	5.632%
24	9.079	1169	1177	1187	rVB3	30759	85197	5.70%	0.575%
25	9.268	1200	1208	1224	rBV	331177	730920	48.88%	4.933%
26	9.597	1256	1262	1270	rVB10	3282	9003	0.60%	0.061%
27	9.750	1282	1287	1290	rBV6	3876	7074	0.47%	0.048%
28	9.884	1306	1309	1314	rVB6	2335	3109	0.21%	0.021%
29	10.030	1325	1333	1346	rBV	159144	299416	20.02%	2.021%
30	10.128	1346	1349	1353	rVB6	3292	4682	0.31%	0.032%
31	10.207	1353	1362	1366	rBV7	4779	10626	0.71%	0.072%
32	10.238	1366	1367	1371	rVB4	3659	2899	0.19%	0.020%
33	10.323	1373	1381	1395	rBV	667959	1199314	80.21%	8.093%
34	10.494	1403	1409	1416	rVB6	9124	20842	1.39%	0.141%
35	10.573	1416	1422	1431	rBV	104631	191002	12.77%	1.289%
36	10.664	1431	1437	1440	rVV2	15205	30467	2.04%	0.206%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM080422SMA.M
 Title : SFAM01.0

37	10.701	1440	1443	1448	rVV2	10799	17774	1.19%	0.120%
38	10.756	1448	1452	1458	rVV6	7598	12640	0.85%	0.085%
39	10.853	1463	1468	1471	rBV6	3752	5476	0.37%	0.037%
40	10.920	1473	1479	1491	rBV	183097	313250	20.95%	2.114%
41	11.061	1491	1502	1507	rVV3	20540	42439	2.84%	0.286%
42	11.109	1507	1510	1512	rVV3	4928	6213	0.42%	0.042%
43	11.146	1512	1516	1518	rVV4	5808	10718	0.72%	0.072%
44	11.170	1518	1520	1525	rVV2	12215	18149	1.21%	0.122%
45	11.225	1525	1529	1534	rVB3	20612	35745	2.39%	0.241%
46	11.280	1534	1538	1542	rBV5	7786	11100	0.74%	0.075%
47	11.335	1542	1547	1551	rVB6	7829	10915	0.73%	0.074%
48	11.432	1557	1563	1571	rVB4	31657	59322	3.97%	0.400%
49	11.512	1571	1576	1578	rBV5	3884	5895	0.39%	0.040%
50	11.542	1579	1581	1587	rVB5	3201	4765	0.32%	0.032%
51	11.628	1587	1595	1604	rBV	524425	894819	59.85%	6.039%
52	11.719	1606	1610	1613	rBV3	7131	10588	0.71%	0.071%
53	11.762	1613	1617	1621	rVB4	13869	18873	1.26%	0.127%
54	11.817	1621	1626	1630	rBV7	13749	25842	1.73%	0.174%
55	11.871	1630	1635	1646	rVB5	32704	108276	7.24%	0.731%
56	11.969	1646	1651	1655	rBV6	11539	23102	1.55%	0.156%
57	12.036	1658	1662	1670	rVB6	19443	43694	2.92%	0.295%
58	12.134	1670	1678	1684	rBV3	53091	139647	9.34%	0.942%
59	12.188	1684	1687	1690	rVV4	22814	43421	2.90%	0.293%
60	12.249	1690	1697	1701	rVB3	60484	115888	7.75%	0.782%
61	12.359	1706	1715	1721	rVB4	73567	212897	14.24%	1.437%
62	12.444	1721	1729	1733	rBV7	23020	61600	4.12%	0.416%
63	12.609	1751	1756	1761	rVB7	32934	64137	4.29%	0.433%
64	12.688	1762	1769	1776	rBV	297272	557122	37.26%	3.760%
65	12.780	1779	1784	1790	rVB3	130480	241113	16.13%	1.627%
66	12.859	1790	1797	1802	rBV5	55851	143398	9.59%	0.968%
67	12.938	1803	1810	1817	rBV8	72850	205822	13.77%	1.389%
68	13.042	1823	1827	1829	rBV3	23253	37748	2.52%	0.255%
69	13.072	1829	1832	1836	rVV4	53483	79369	5.31%	0.536%
70	13.121	1836	1840	1842	rVV2	45273	60770	4.06%	0.410%
71	13.158	1842	1846	1859	rVB2	156812	349434	23.37%	2.358%
72	13.292	1859	1868	1872	rBV4	64973	142475	9.53%	0.961%
73	13.341	1872	1876	1879	rVV4	45986	78991	5.28%	0.533%
74	13.377	1879	1882	1885	rVV4	32625	54074	3.62%	0.365%
75	13.438	1885	1892	1896	rVV9	65134	174187	11.65%	1.175%
76	13.481	1896	1899	1902	rVV3	39357	53356	3.57%	0.360%

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 Title : SFAM01.0

77	13.554	1905	1911	1919	rVB	383947	623210	41.68%	4.206%
78	13.688	1929	1933	1938	rVB4	45484	79366	5.31%	0.536%
79	13.737	1938	1941	1943	rBV4	9187	12701	0.85%	0.086%
80	13.853	1954	1960	1968	rBV2	377970	850268	56.87%	5.738%
81	13.981	1977	1981	1983	rBV4	27194	39201	2.62%	0.265%
82	14.188	2011	2015	2021	rBV8	19016	39819	2.66%	0.269%
83	14.261	2022	2027	2032	rVB6	48424	86759	5.80%	0.585%
84	14.340	2033	2040	2042	rBV2	41807	81808	5.47%	0.552%
85	14.377	2042	2046	2050	rBV2	74710	110865	7.41%	0.748%
86	14.542	2062	2073	2079	rBV9	56250	137410	9.19%	0.927%
87	14.639	2086	2089	2095	rVB4	21622	32681	2.19%	0.221%
88	14.694	2095	2098	2102	rBV3	12079	22063	1.48%	0.149%
89	14.804	2110	2116	2119	rBV6	34185	75752	5.07%	0.511%
90	14.962	2138	2142	2143	rBV4	7771	10997	0.74%	0.074%
91	14.999	2146	2148	2153	rVV6	7318	11195	0.75%	0.076%
92	15.054	2154	2157	2161	rVB6	13404	18436	1.23%	0.124%
93	15.103	2161	2165	2166	rBV2	16464	19915	1.33%	0.134%
94	15.164	2171	2175	2183	rVV4	41764	94451	6.32%	0.637%
95	15.261	2186	2191	2196	rVB2	29484	56548	3.78%	0.382%
96	15.316	2196	2200	2207	rVB5	27898	47426	3.17%	0.320%
97	15.432	2210	2219	2227	rBV8	20499	72936	4.88%	0.492%
98	15.627	2248	2251	2252	rBV3	5291	6857	0.46%	0.046%
99	15.724	2263	2267	2275	rVB9	16989	34233	2.29%	0.231%
100	16.273	2353	2357	2365	rVB6	12481	26229	1.75%	0.177%

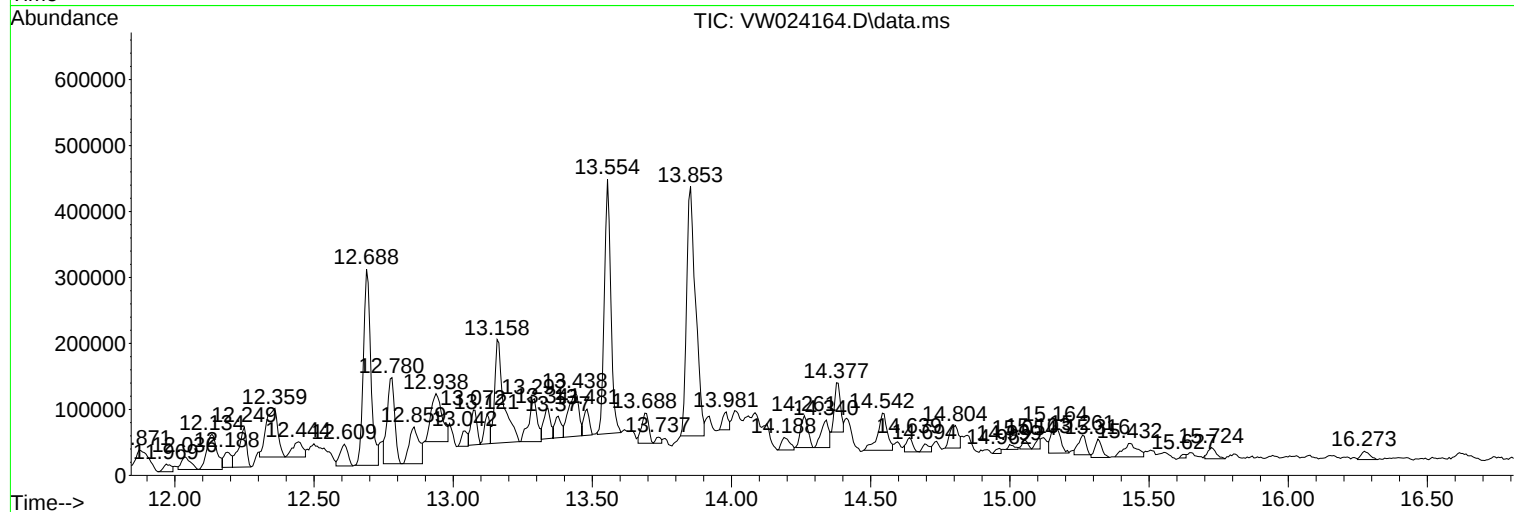
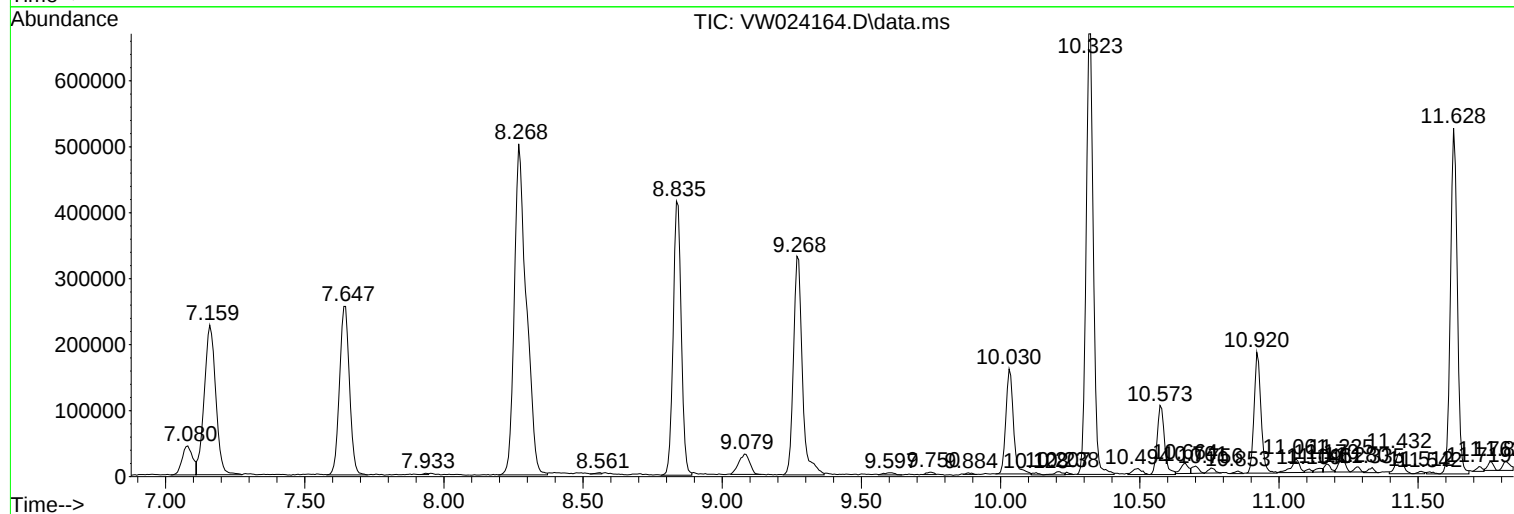
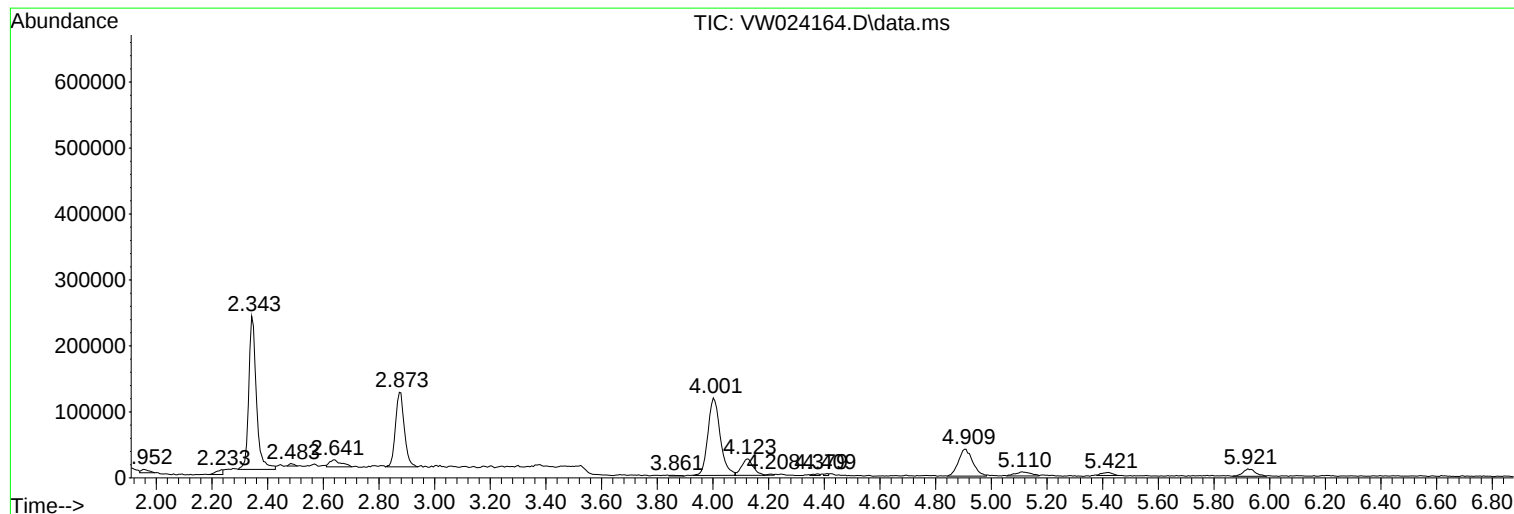
Sum of corrected areas: 14818446

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM080422SMA.M
Quant Title : SFAM01.0

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



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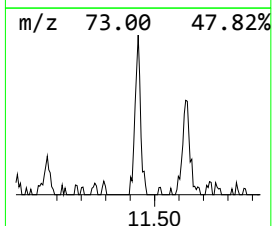
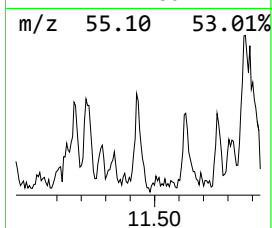
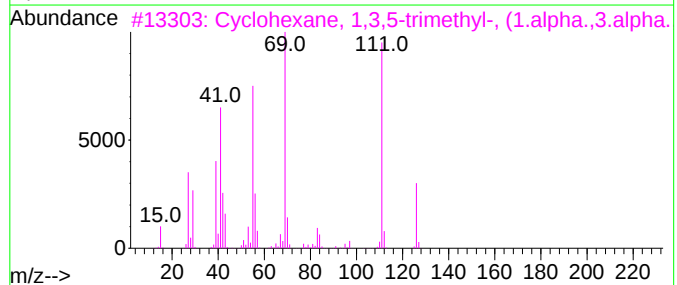
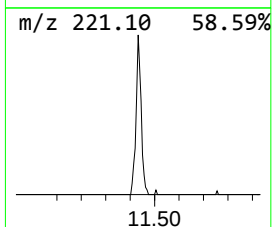
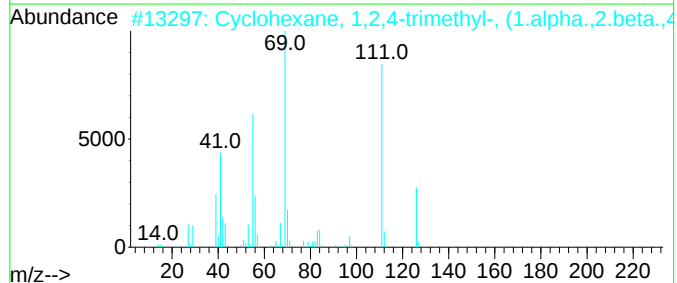
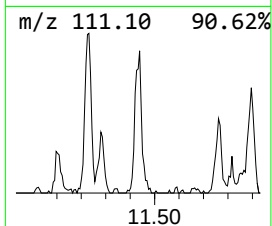
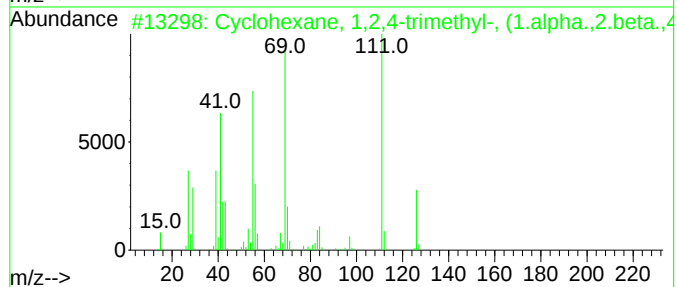
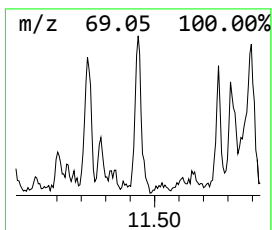
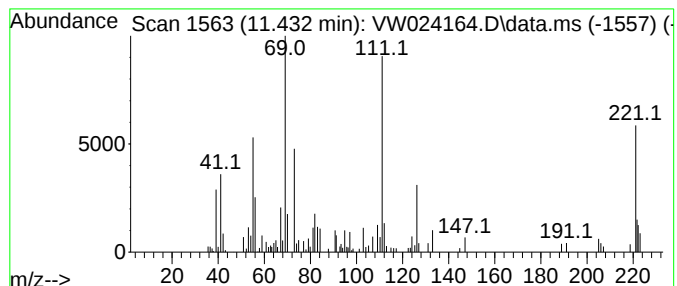
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM080422SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Cyclic11.432 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.432	1.66 ug/L	59322	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	64
2			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	64
3			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	64
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	58
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	52



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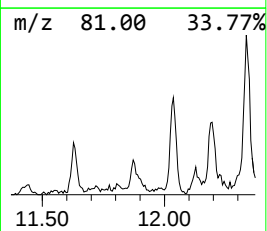
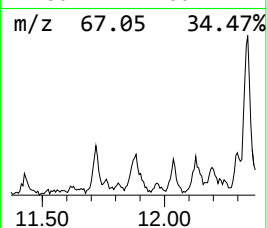
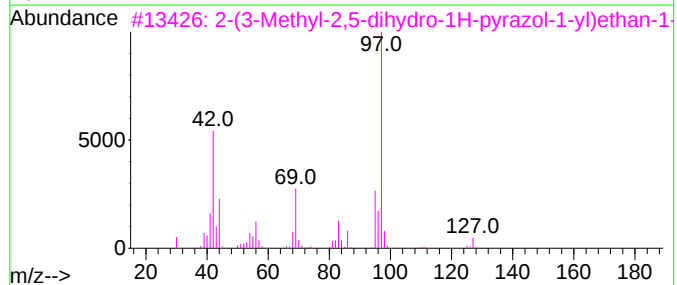
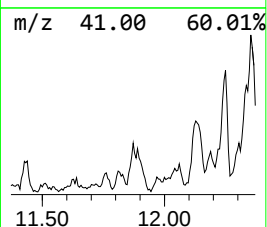
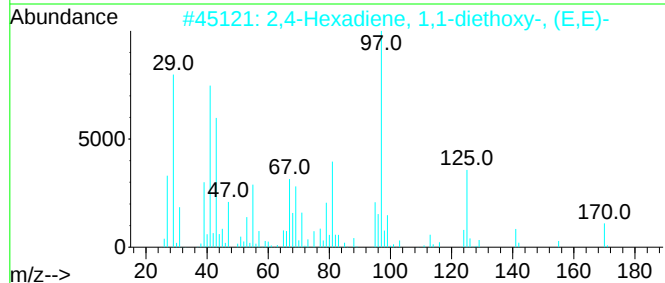
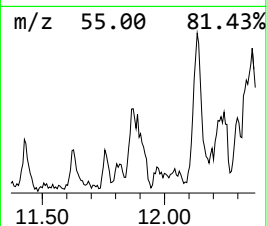
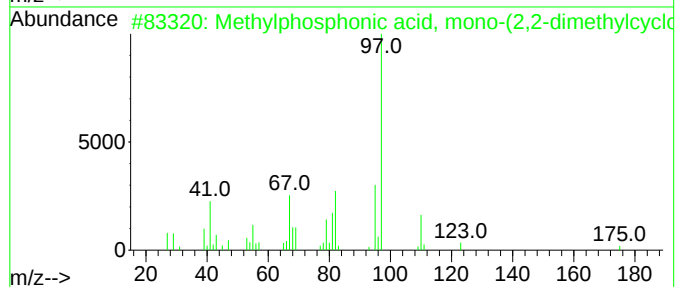
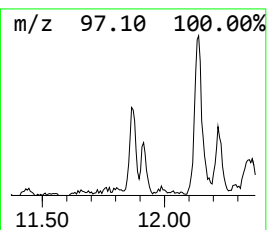
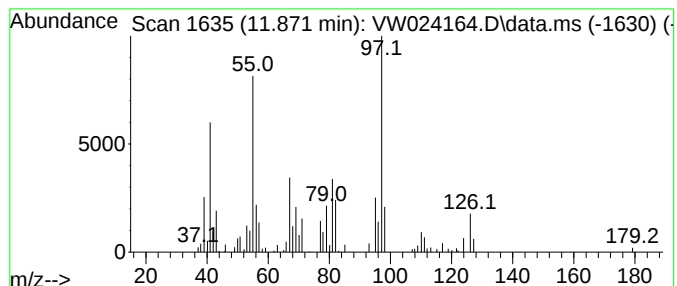
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM080422SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 Methylphosphonic acid, mono... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.871	3.03 ug/L	108276	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Methylphosphonic acid, mono-(2,2...	206	C9H19O3P	959027-86-2	53
2			2,4-Hexadiene, 1,1-diethoxy-, (E...	170	C10H18O2	094088-28-5	50
3			2-(3-Methyl-2,5-dihydro-1H-pyraz...	127	C6H13N3	1000387-20-9	43
4			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	38
5			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	38



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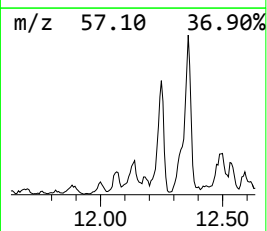
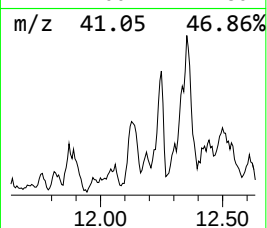
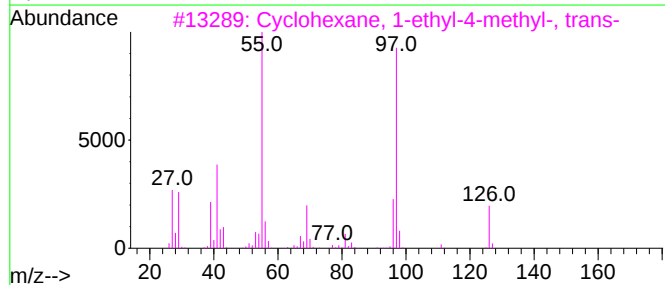
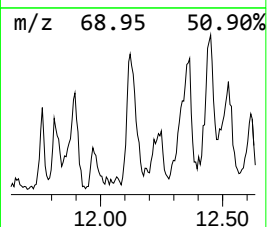
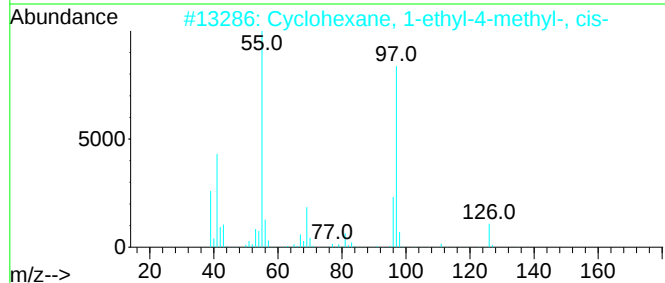
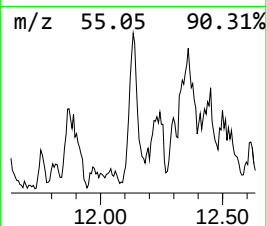
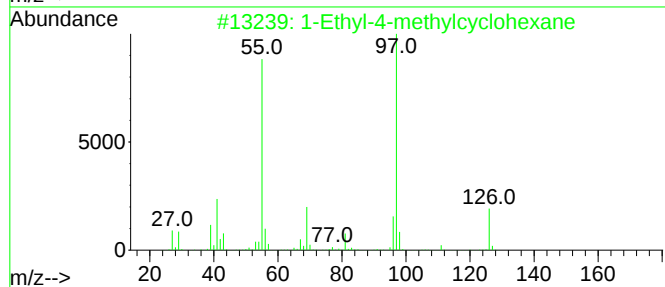
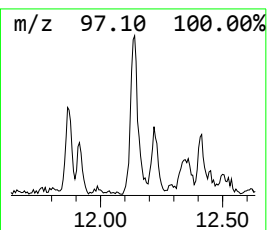
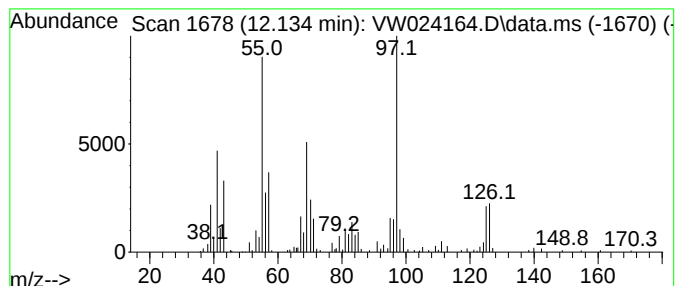
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Cyclic12.134 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.134	3.90 ug/L	139647	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	58
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	58
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	52
4			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	52
5			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

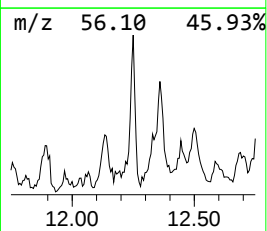
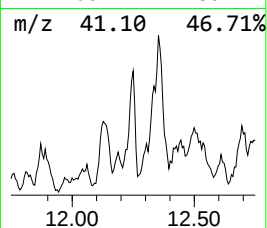
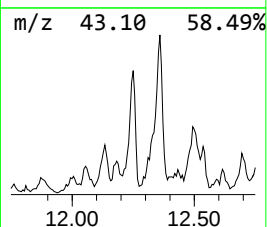
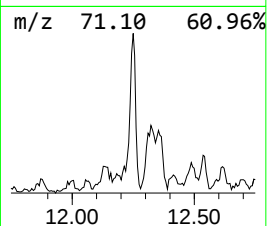
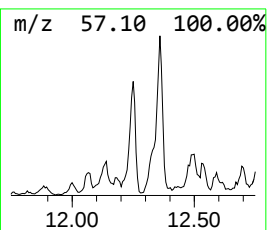
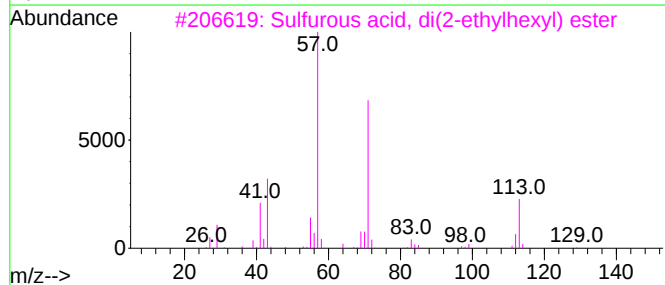
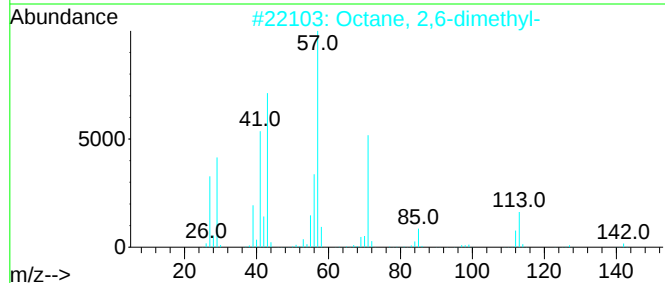
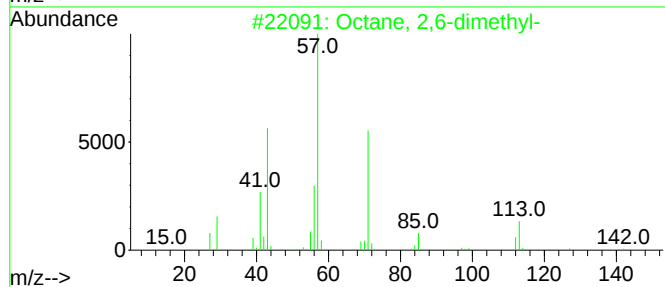
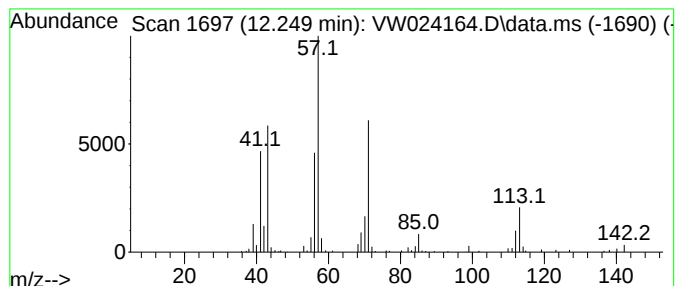
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.249	3.24 ug/L	115888	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	58
3			Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	53
4			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	52
5			Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

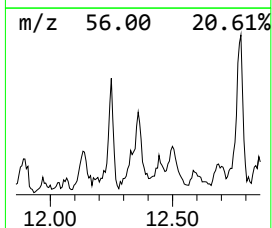
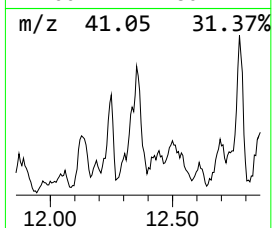
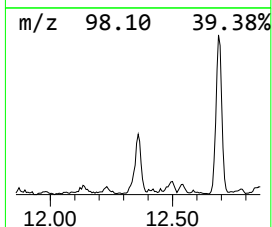
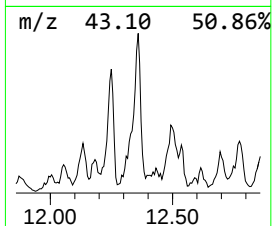
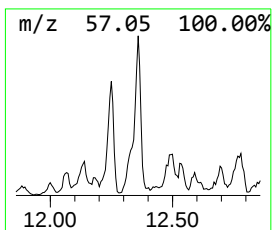
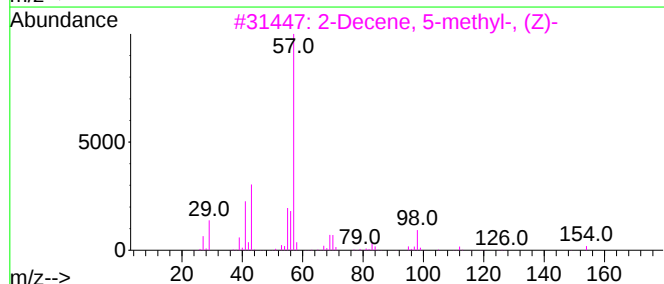
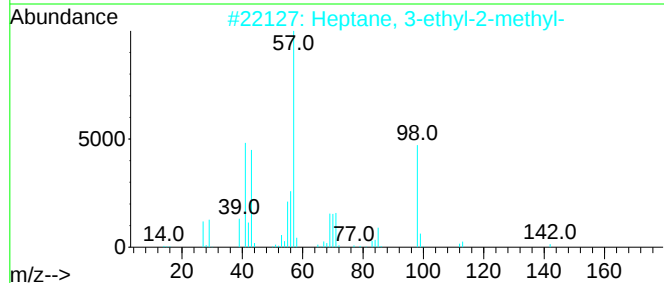
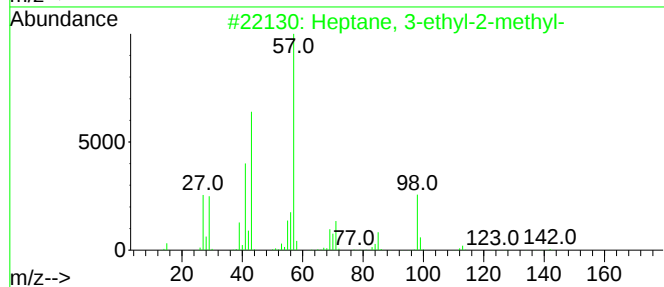
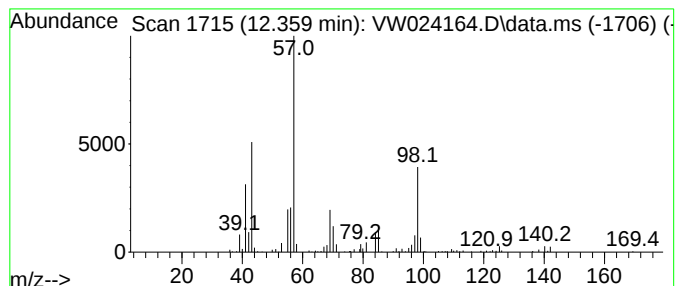
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.359	5.95 ug/L	212897	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	72
2			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	72
3			2-Decene, 5-methyl-, (Z)-	154	C11H22	074645-86-6	64
4			Cyclohexanone, 4-(1,1-dimethylet...	154	C10H18O	000098-53-3	47
5			Dodecyl heptyl ether	284	C19H40O	1010406-39-2	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

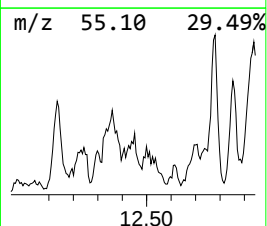
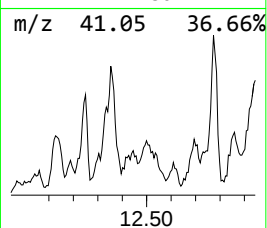
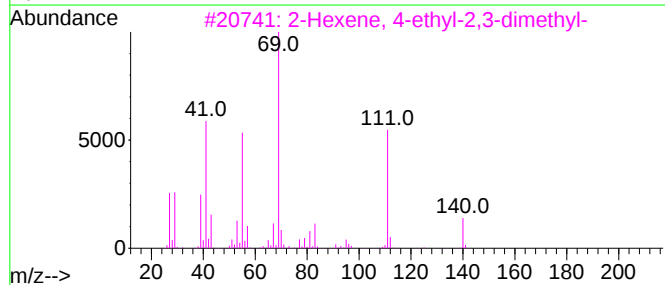
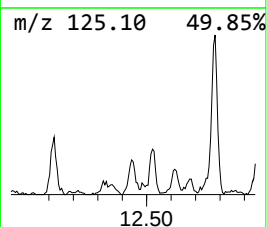
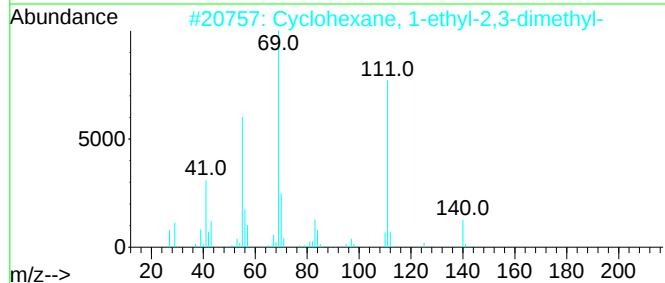
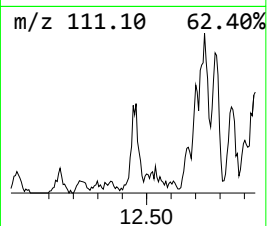
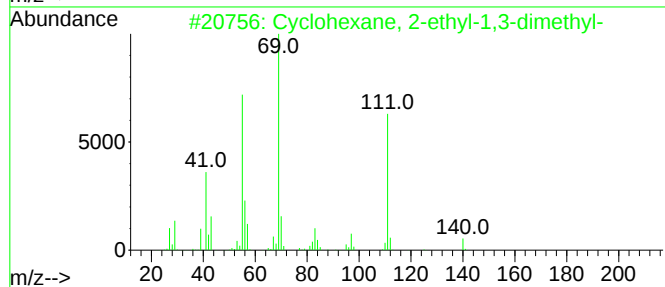
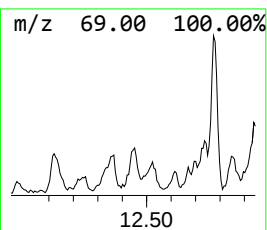
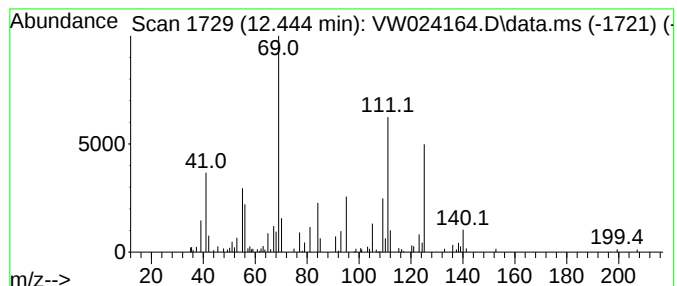
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Cyclic12.445 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.445	1.72 ug/L	61600	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	49
2			Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	47
3			2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	43
4			1,3-Dimethyl-5-n-decylcyclohexane	252	C18H36	086710-36-3	43
5			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

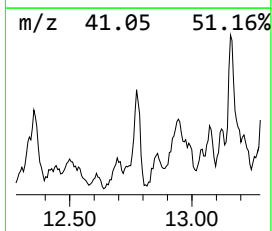
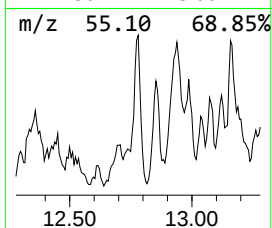
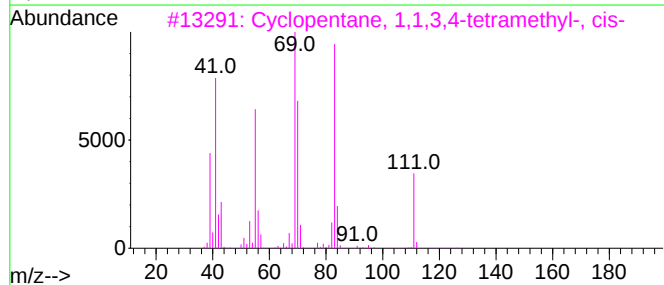
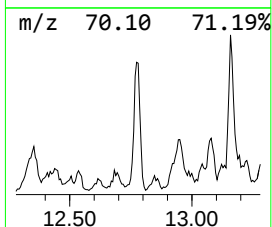
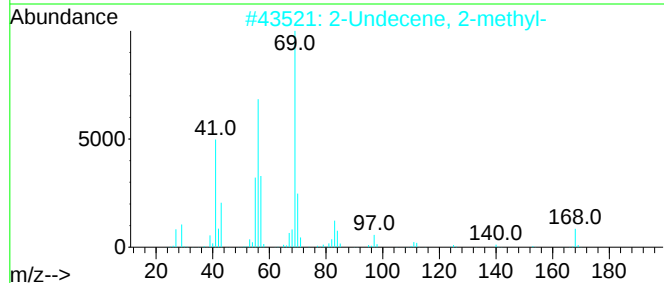
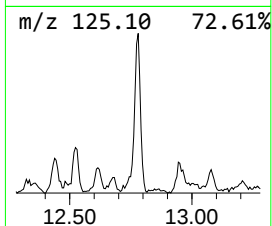
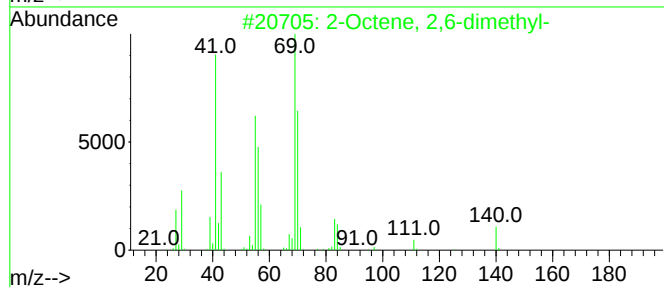
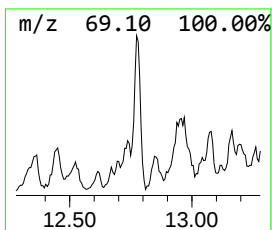
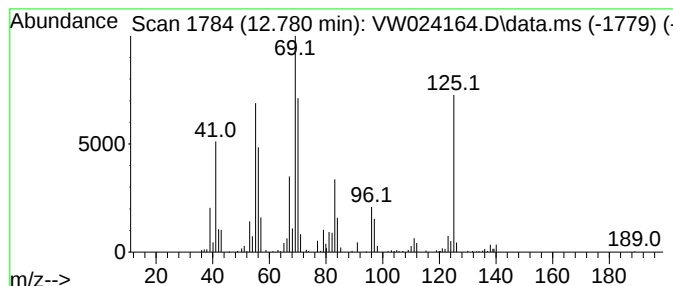
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	9.67 ug/L	241113	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
2			2-Undecene, 2-methyl-	168	C12H24	056888-88-1	47
3			Cyclopentane, 1,1,3,4-tetramethyl...	126	C9H18	053907-60-1	46
4			2-Methyl-2-octene	126	C9H18	016993-86-5	43
5			trans-2-Methyl-3-octene	126	C9H18	052937-36-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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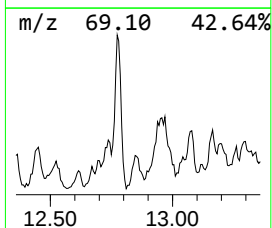
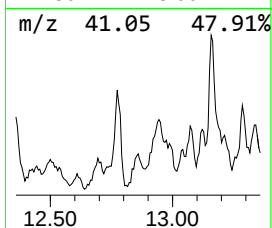
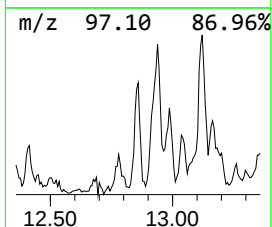
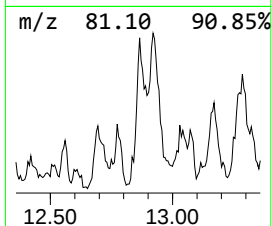
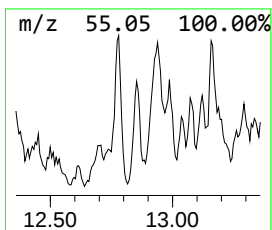
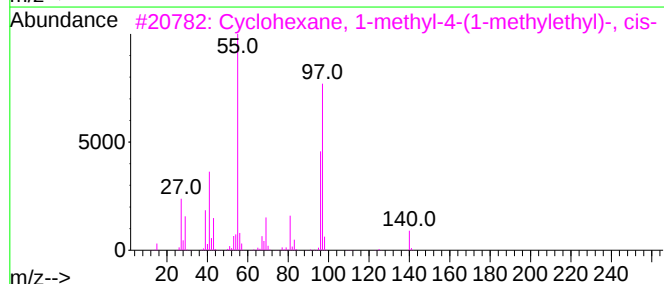
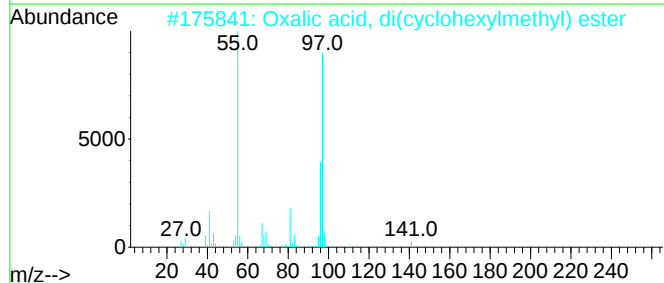
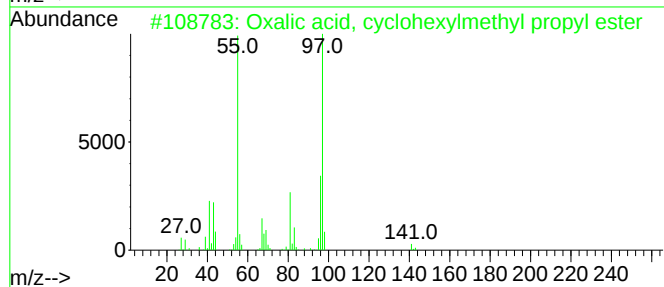
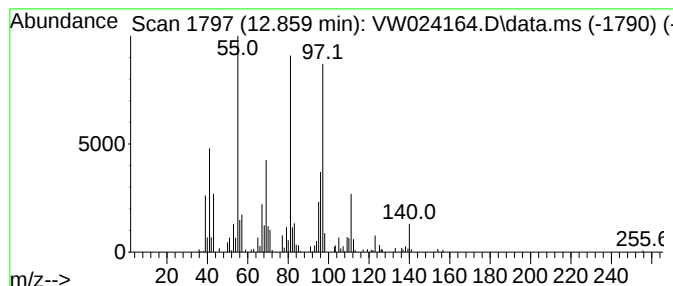
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Quant Title : SFAM01.0

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

Peak Number 10 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	5.75 ug/L	143398	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	46
2			Oxalic acid, di(cyclohexylmethyl...	282	C16H26O4	1000309-68-5	46
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	43
4			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	43
5			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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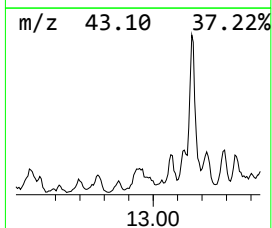
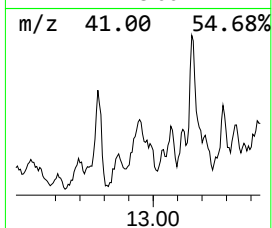
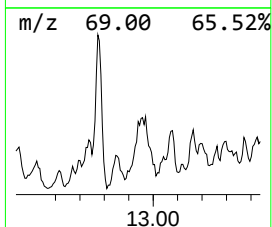
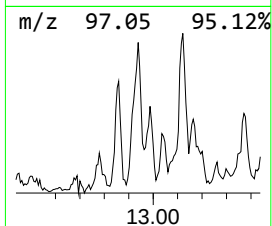
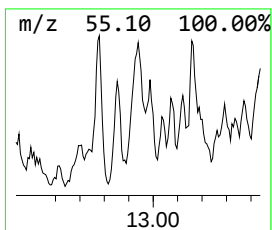
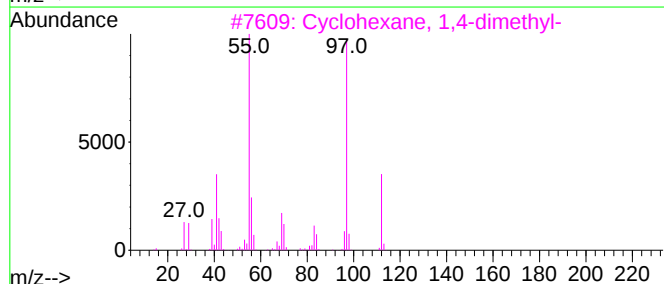
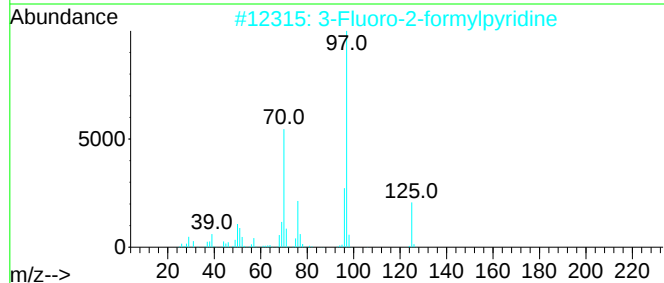
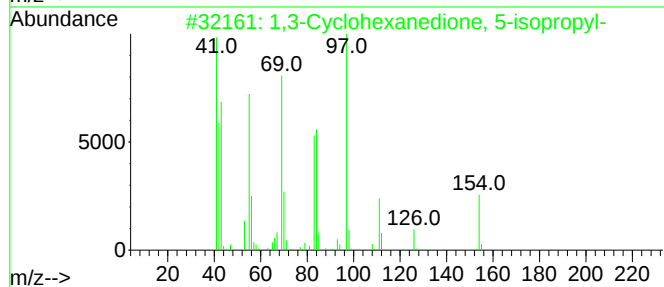
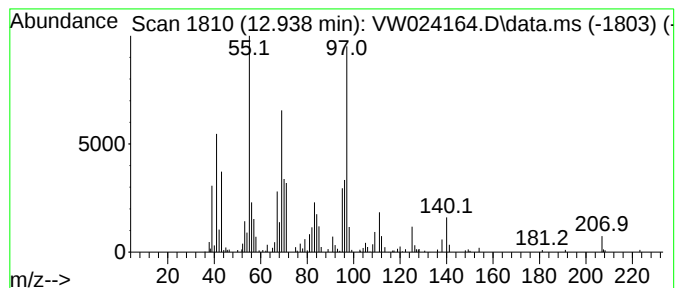
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Quant Title : SFAM01.0

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

Peak Number 11 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.938	8.26 ug/L	205822	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,3-Cyclohexanedione, 5-isopropyl-	154	C9H14O2	018456-87-6	46
2		3-Fluoro-2-formylpyridine	125	C6H4FN O	031224-43-8	46
3		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	46
4		3-Heptene, 4-propyl-	140	C10H20	004485-13-6	46
5		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

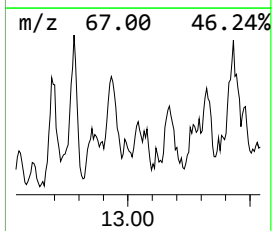
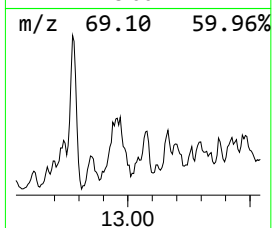
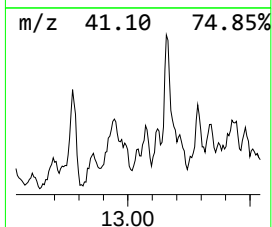
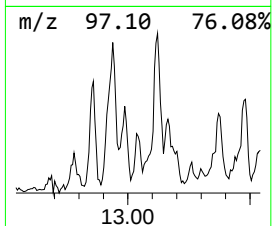
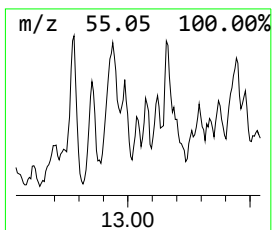
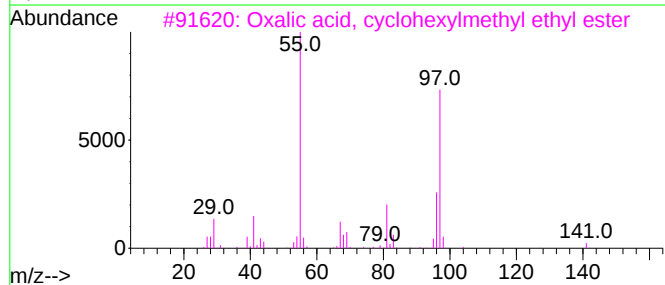
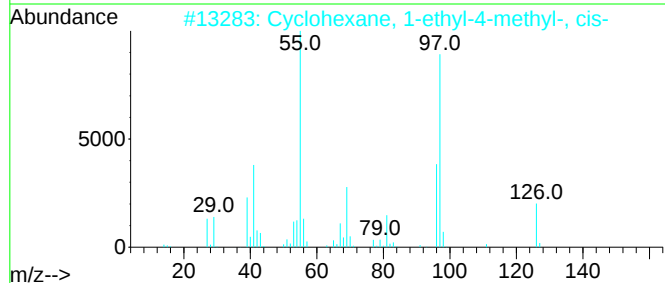
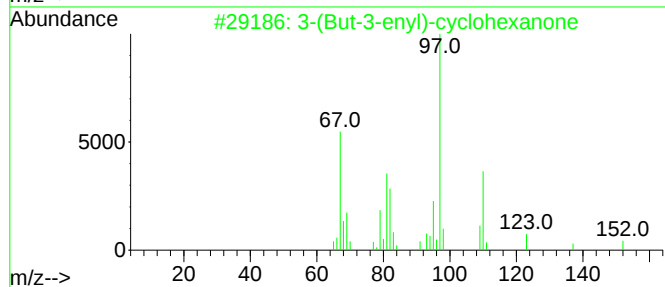
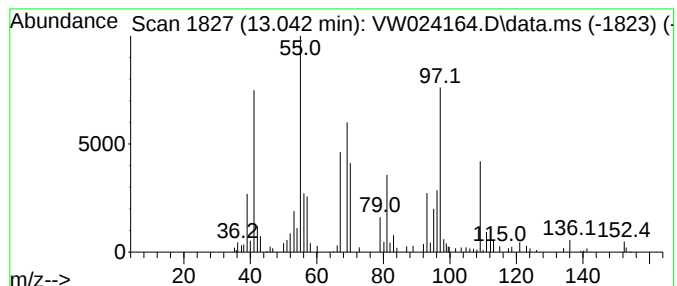
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Quant Title : SFAM01.0

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

Peak Number 12 unknown-03 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.042	1.51 ug/L	37748	1,4-Dichlorobenzene-d4	13.554

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-(But-3-enyl)-cyclohexanone	152	C10H16O	003636-03-1	49
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	35
3		Oxalic acid, cyclohexylmethyl et...	214	C11H18O4	1000309-68-0	35
4		Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	35
5		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

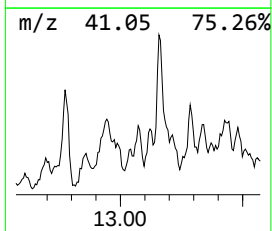
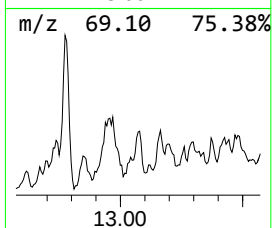
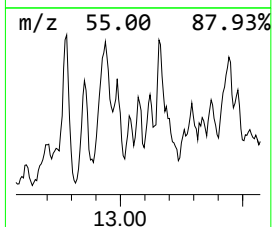
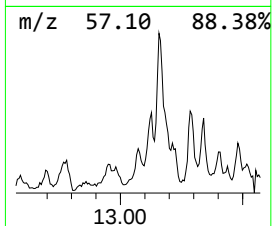
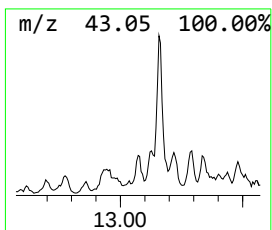
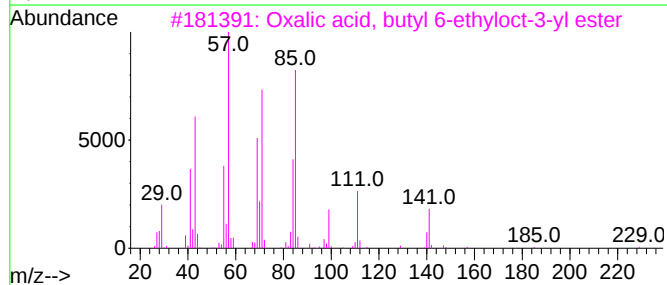
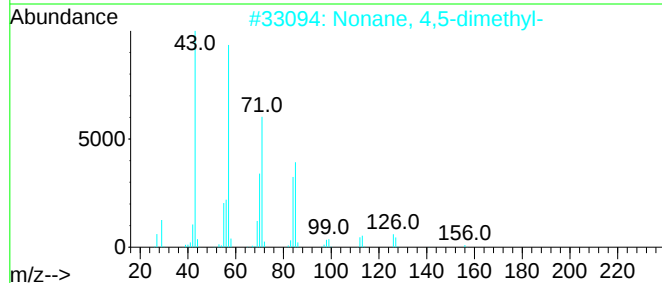
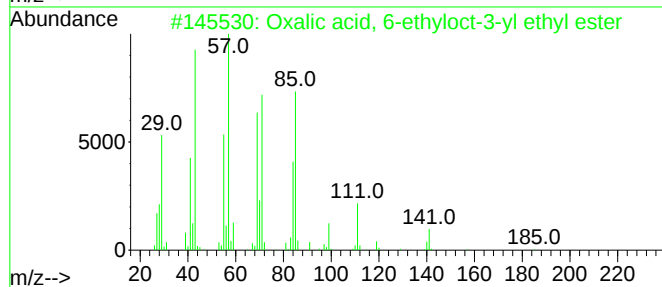
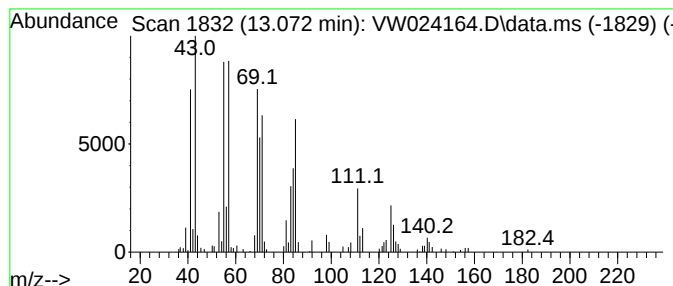
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Quant Title : SFAM01.0

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

Peak Number 13 Oxalic acid, 6-ethyloct-3-y... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.072	3.18 ug/L	79369	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, 6-ethyloct-3-yl eth...	258	C14H26O4	1000309-33-9	53
2			Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	42
3			Oxalic acid, butyl 6-ethyloct-3-...	286	C16H30O4	1000309-34-2	38
4			Octane, 2-methyl-	128	C9H20	003221-61-2	38
5			Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

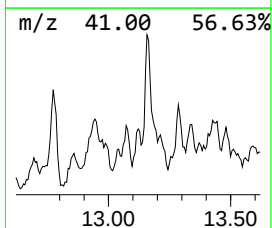
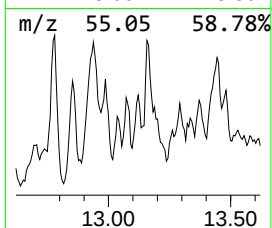
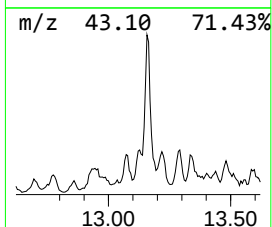
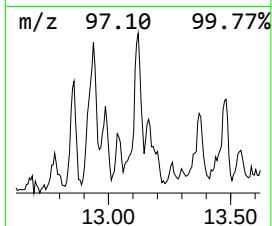
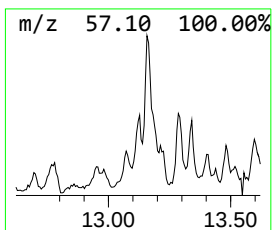
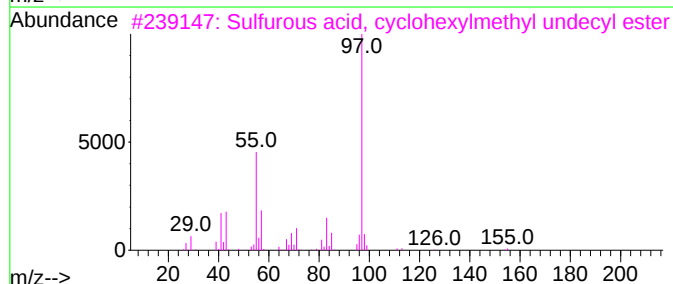
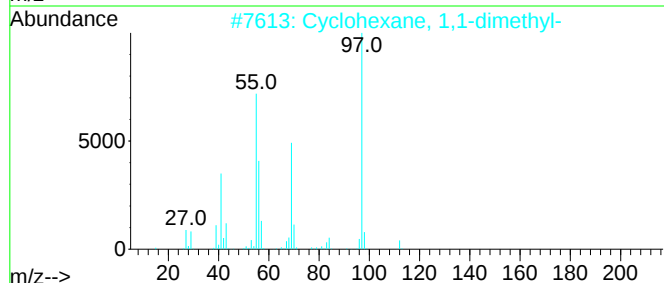
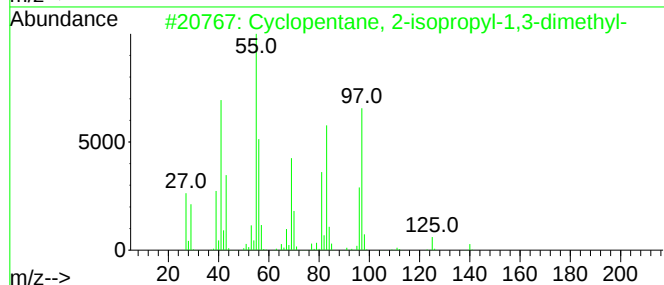
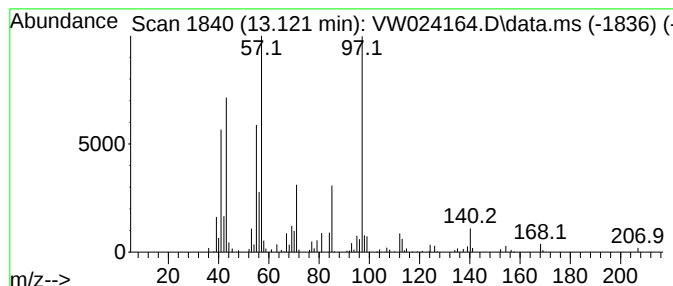
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Cyclic13.121 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.121	2.44 ug/L	60770	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	50
2			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	46
3			Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	46
4			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	43
5			Isobutyl tetradecyl ether	270	C18H38O	1000406-32-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

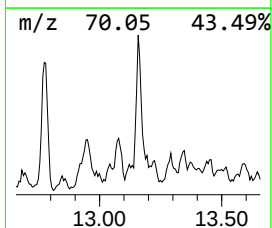
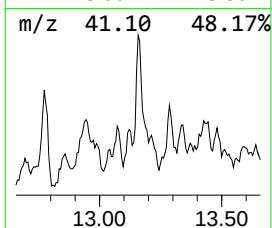
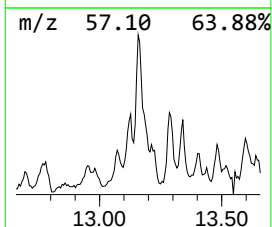
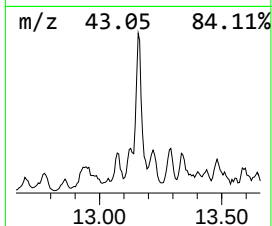
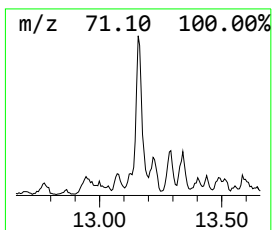
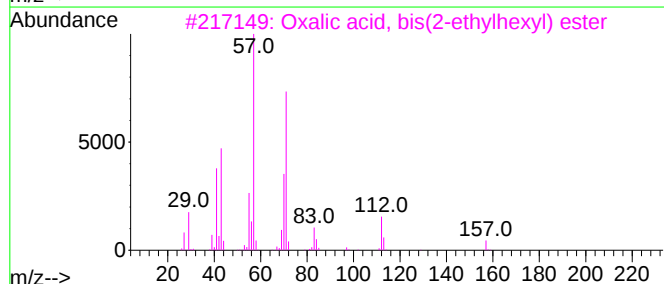
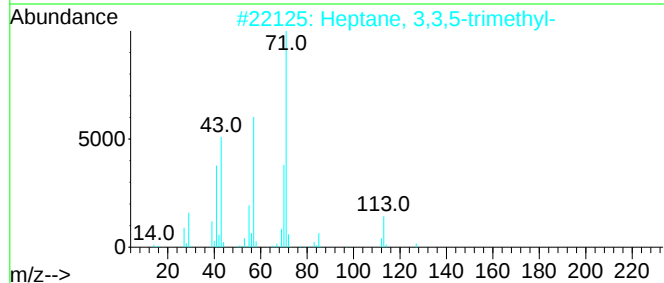
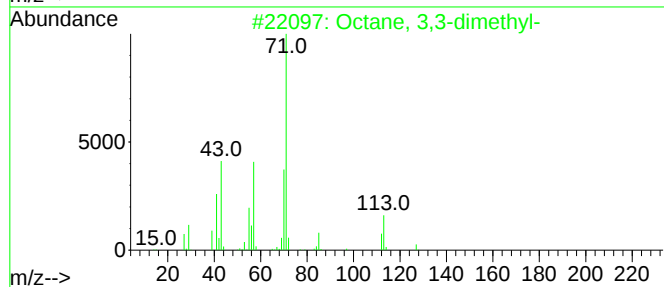
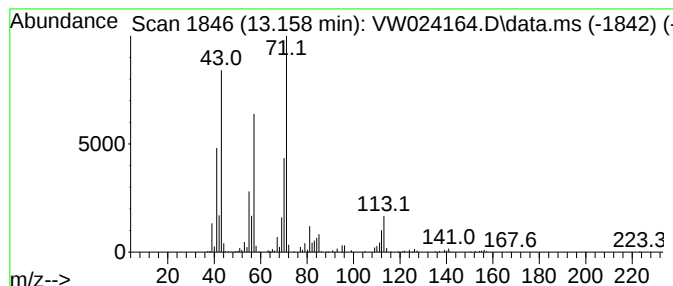
Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.158	14.02 ug/L	349434	1,4-Dichlorobenzene-d4	13.554	
Hit# of 5	Tentative ID		MW MolForm	CAS#	Qual
1	Octane, 3,3-dimethyl-		142 C10H22	004110-44-5	72
2	Heptane, 3,3,5-trimethyl-		142 C10H22	007154-80-5	64
3	Oxalic acid, bis(2-ethylhexyl) e...		314 C18H34O4	1000309-39-0	59
4	Sulfurous acid, decyl 2-ethylhex...		334 C18H38O3S	1000309-19-3	53
5	Oxalic acid, monoamide, N-(2-eth...		271 C15H29NO3	1000309-32-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

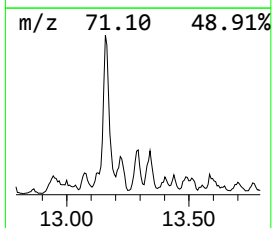
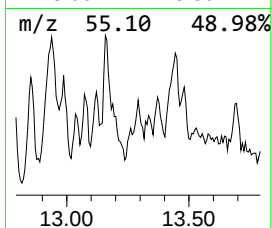
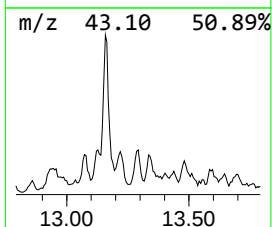
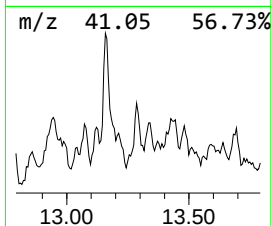
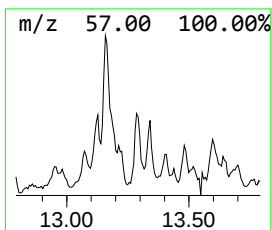
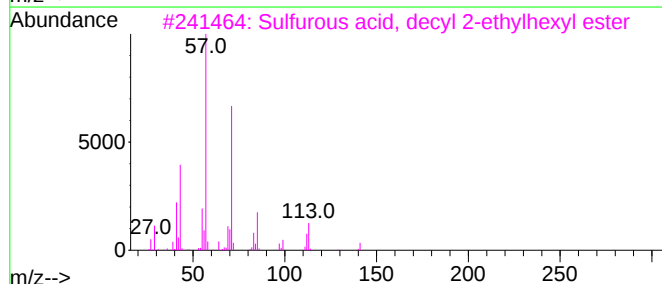
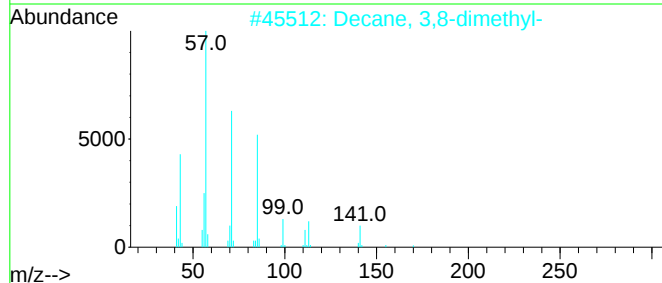
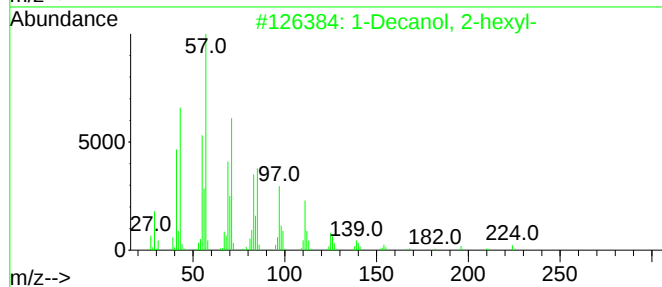
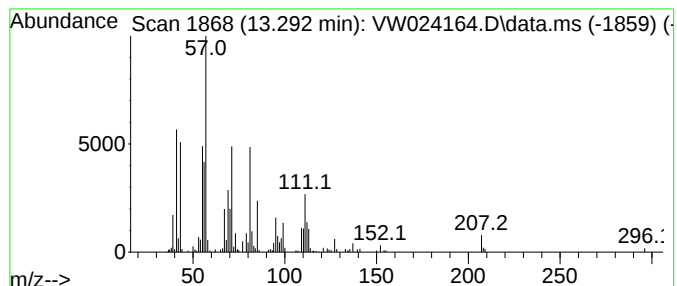
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Quant Title : SFAM01.0

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

Peak Number 16 1-Decanol, 2-hexyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	5.72 ug/L	142475	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	53
2			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	43
3			Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	35
4			Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	35
5			Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

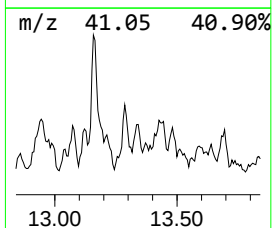
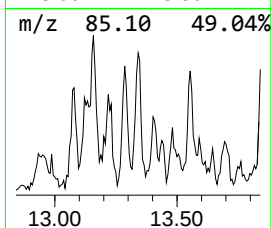
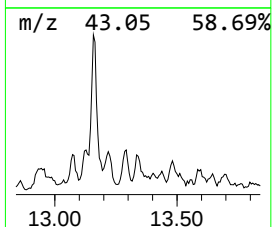
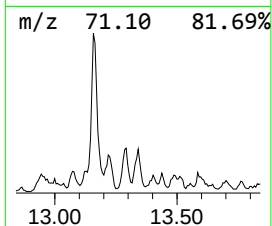
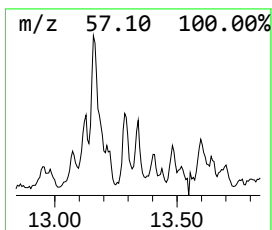
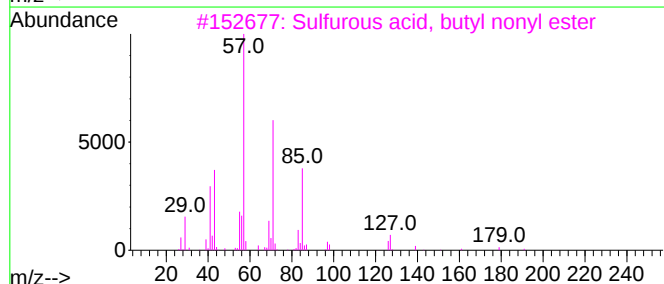
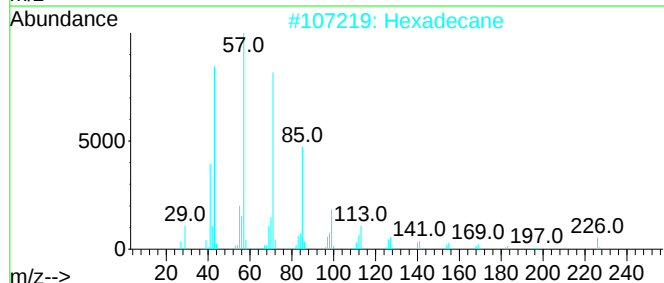
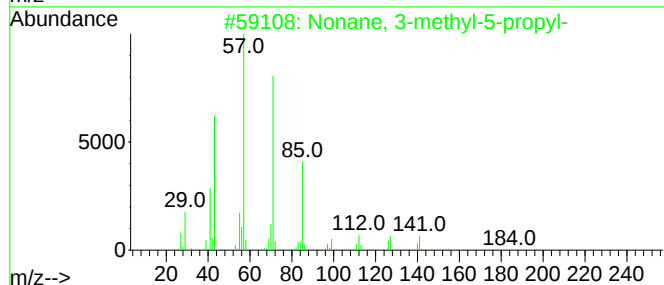
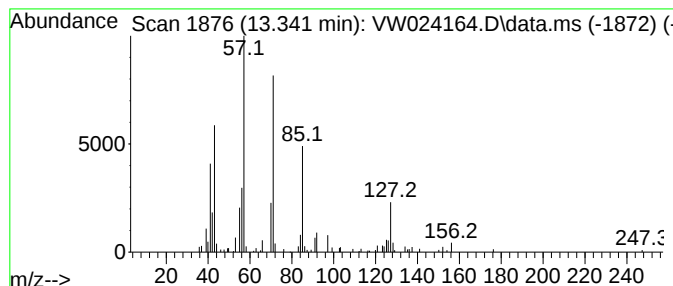
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Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.341	3.17 ug/L	78991	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	59
2			Hexadecane	226	C16H34	000544-76-3	59
3			Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	53
4			Hexadecane	226	C16H34	000544-76-3	53
5			Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

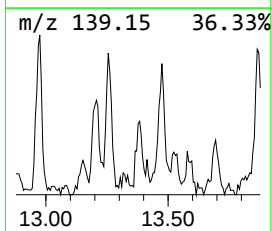
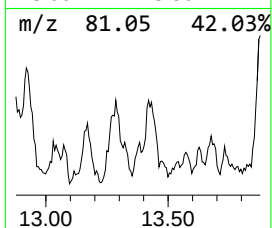
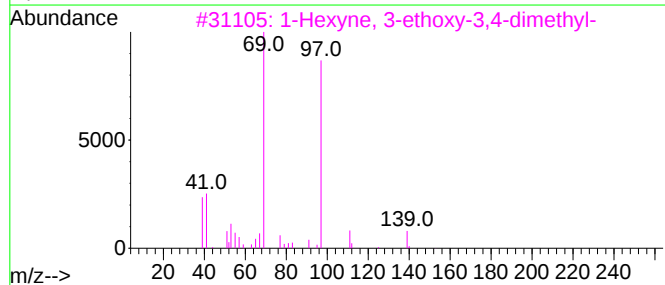
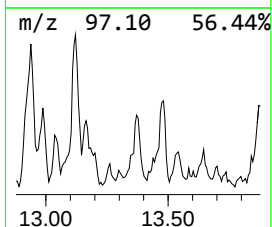
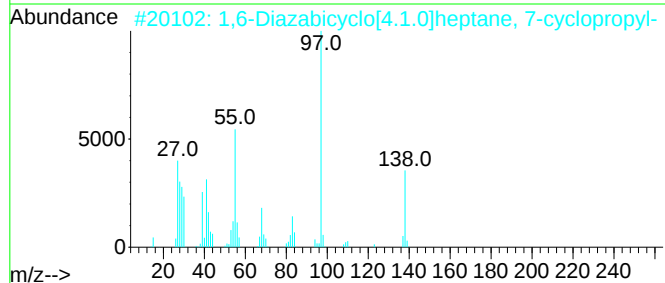
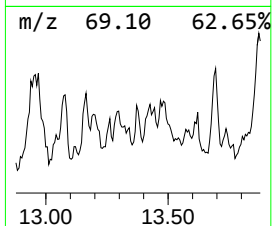
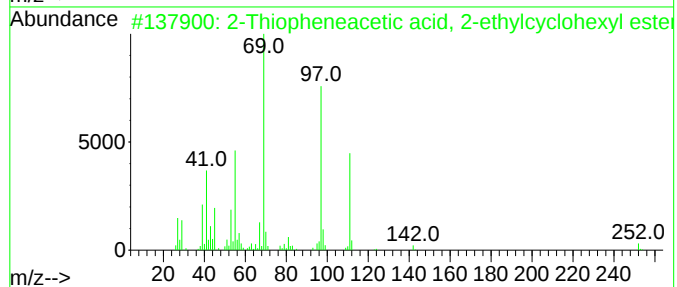
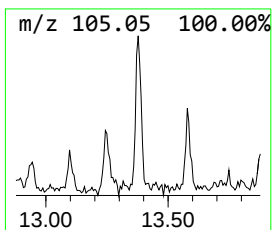
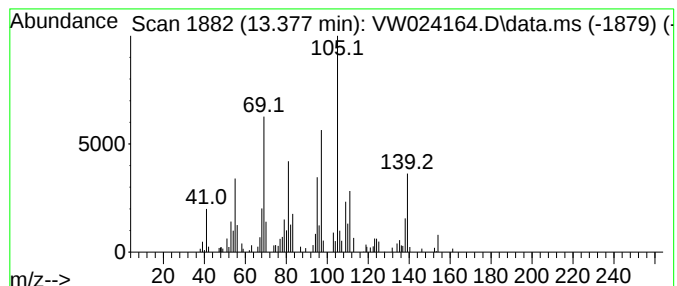
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Quant Title : SFAM01.0

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

Peak Number 18 unknown-04 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.377	2.17 ug/L	54074	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Thiopheneacetic acid, 2-ethylc...	252	C14H20O2S	1000278-96-1	22
2			1,6-Diazabicyclo[4.1.0]heptane, ...	138	C8H14N2	1000460-90-3	14
3			1-Hexyne, 3-ethoxy-3,4-dimethyl-	154	C10H18O	054244-91-6	14
4			Citronellal	154	C10H18O	000106-23-0	14
5			Benzenemethanethiol, 4-methyl-	138	C8H10S	004498-99-1	11



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

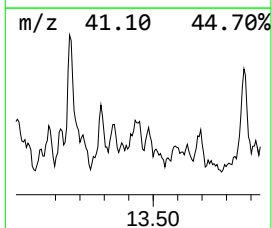
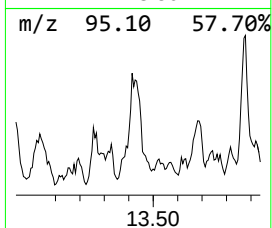
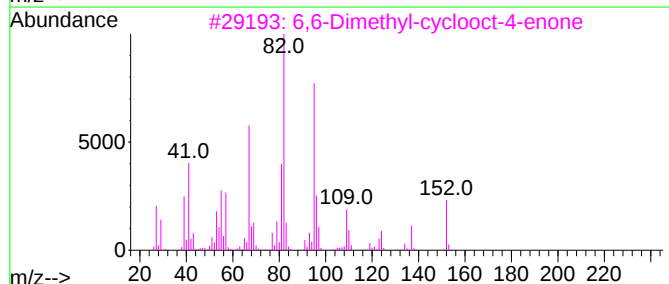
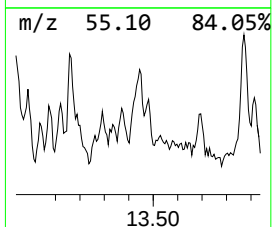
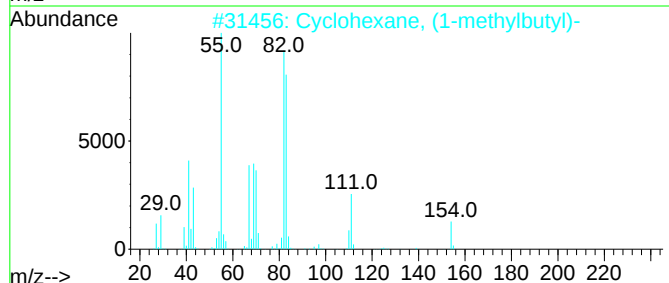
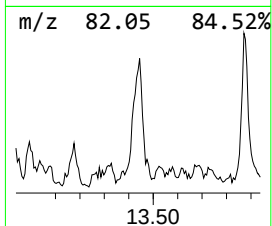
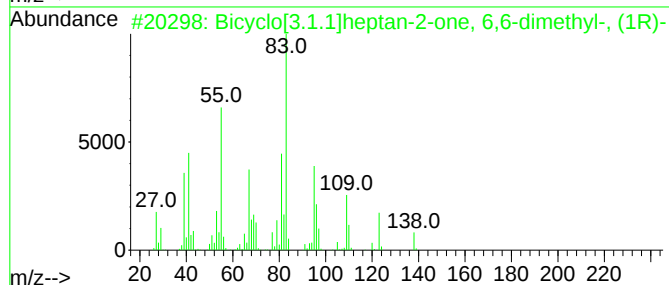
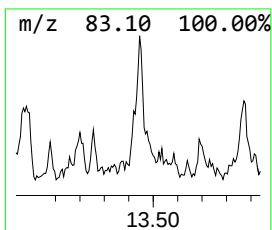
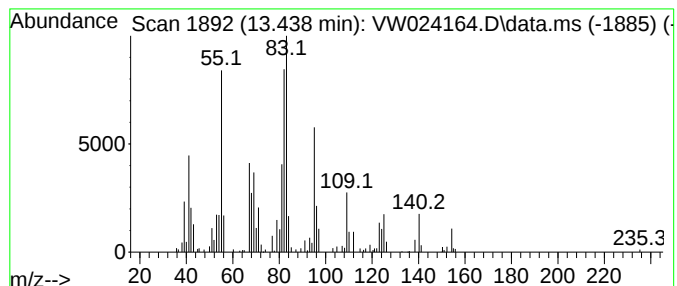
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Quant Title : SFAM01.0

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

Peak Number 19 Bicyclo[3.1.1]heptan-2-one,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.438	6.99 ug/L	174187	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[3.1.1]heptan-2-one, 6,6-...	138	C9H14O	038651-65-9	78
2			Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	58
3			6,6-Dimethyl-cyclooct-4-enone	152	C10H16O	1000194-10-0	52
4			Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	006876-13-7	50
5			Cyclohexane, pentyl-	154	C11H22	004292-92-6	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

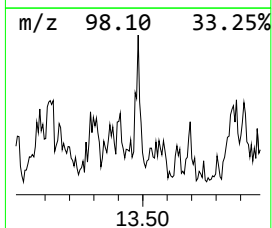
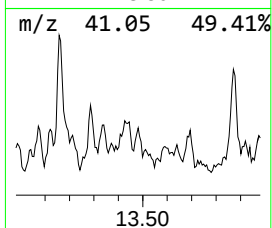
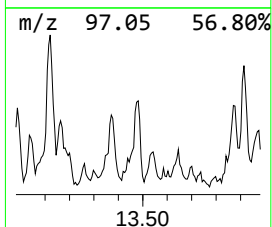
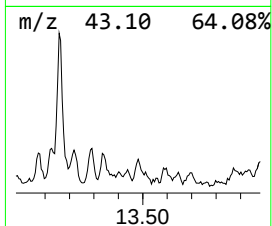
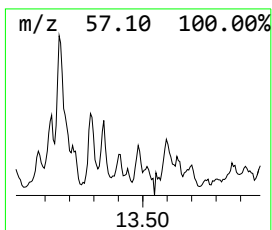
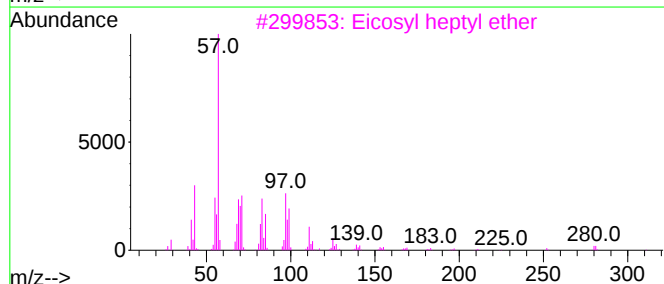
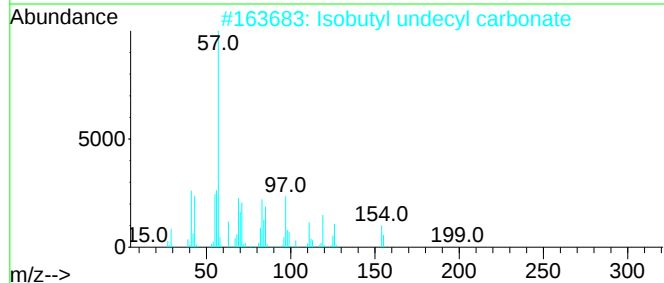
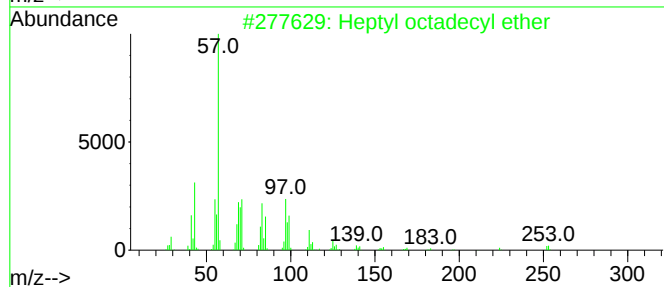
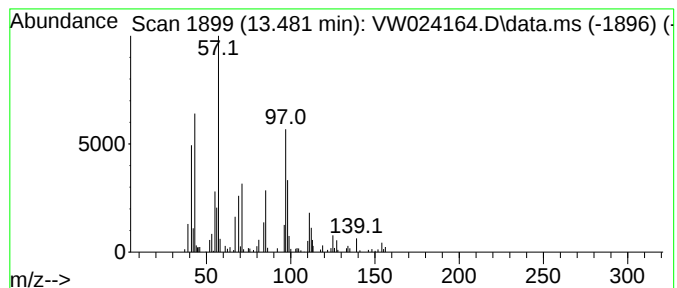
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Quant Title : SFAM01.0

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

Peak Number 20 Heptyl octadecyl ether Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.481	2.14 ug/L	53356	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptyl octadecyl ether	368	C25H52O	1000406-39-5	59
2			Isobutyl undecyl carbonate	272	C16H32O3	1000372-78-8	59
3			Eicosyl heptyl ether	396	C27H56O	1000406-39-6	59
4			Docosyl heptyl ether	424	C29H60O	1000406-39-7	50
5			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

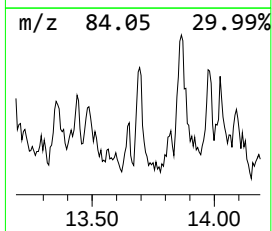
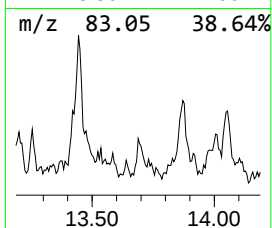
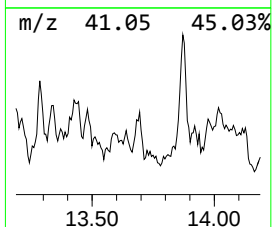
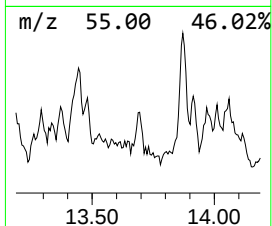
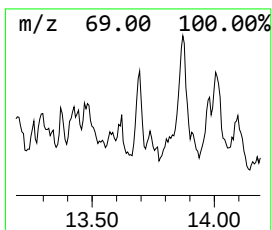
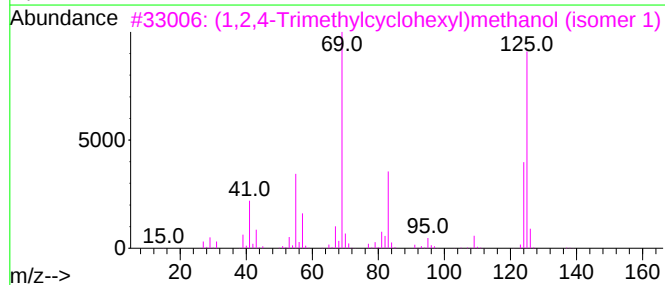
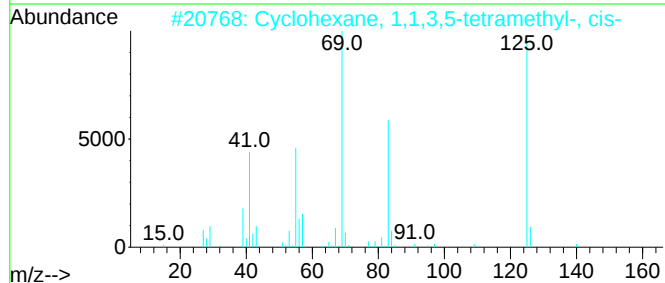
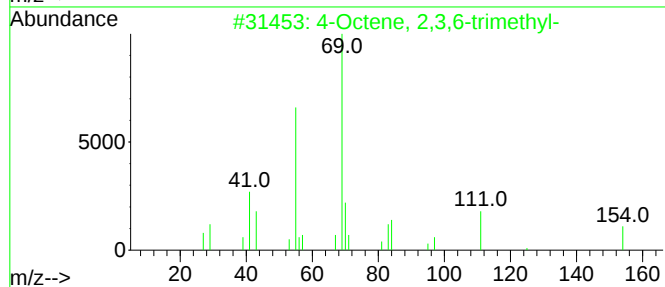
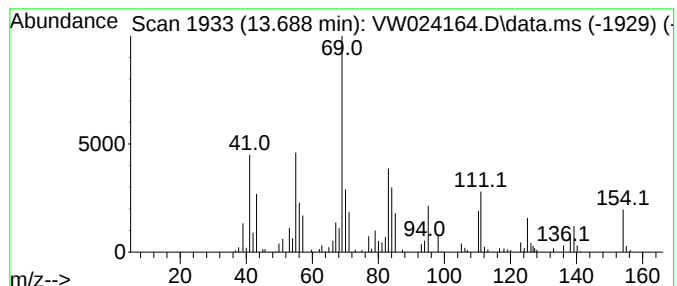
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.688	3.18 ug/L	79366	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Octene, 2,3,6-trimethyl-	154	C11H22	063830-65-9	47
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	43
3			(1,2,4-Trimethylcyclohexyl)metha...	156	C10H20O	1000499-03-8	43
4			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	38
5			Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	37



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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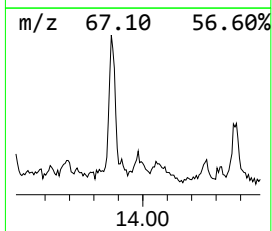
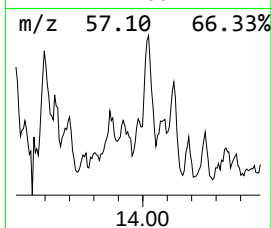
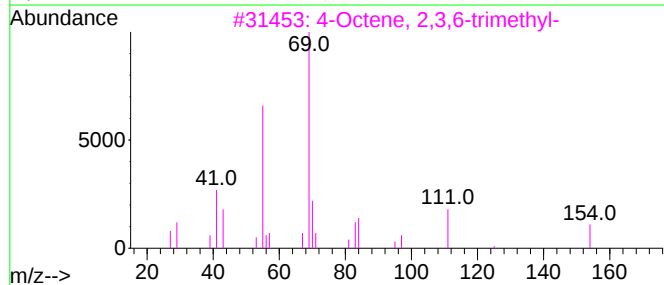
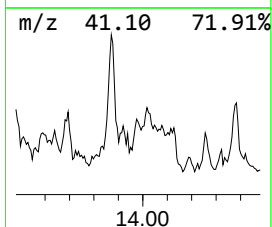
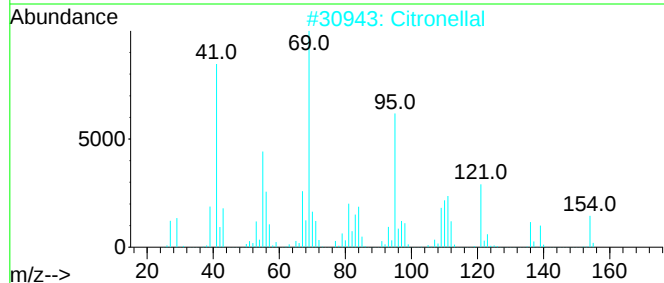
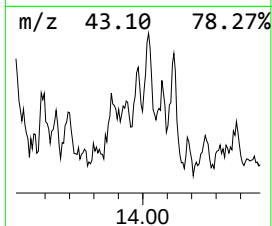
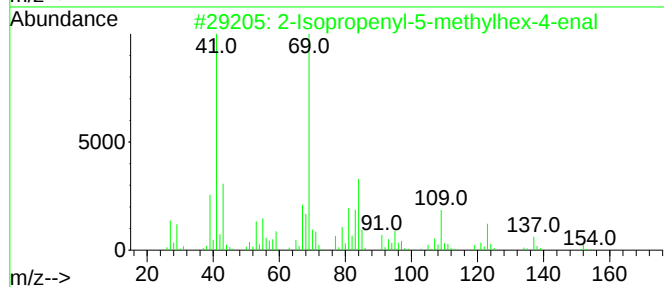
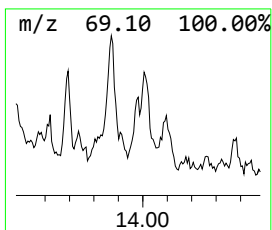
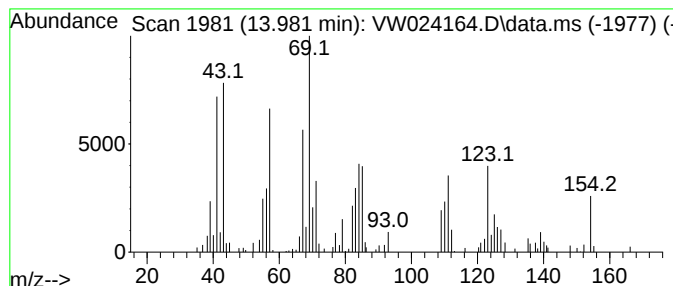
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Quant Title : SFAM01.0

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

Peak Number 22 unknown-05 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.981	1.57 ug/L	39201	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Isopropenyl-5-methylhex-4-enal	152	C10H16O	075697-98-2	43		
2	Citronellal	154	C10H18O	000106-23-0	35		
3	4-Octene, 2,3,6-trimethyl-	154	C11H22	063830-65-9	30		
4	Neral	152	C10H16O	000106-26-3	27		
5	4-Isopropylcyclohexanone	140	C9H16O	005432-85-9	27		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

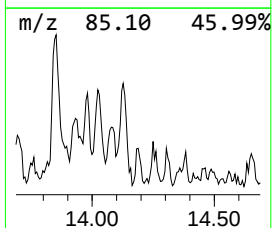
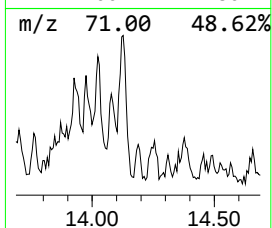
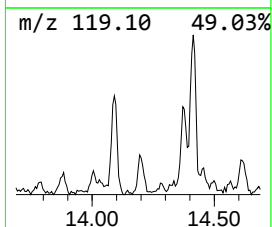
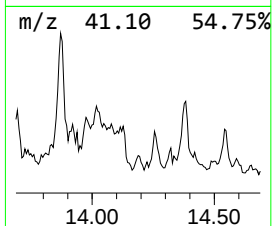
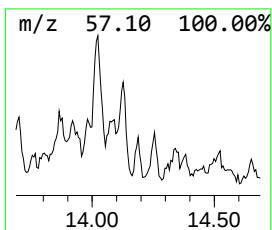
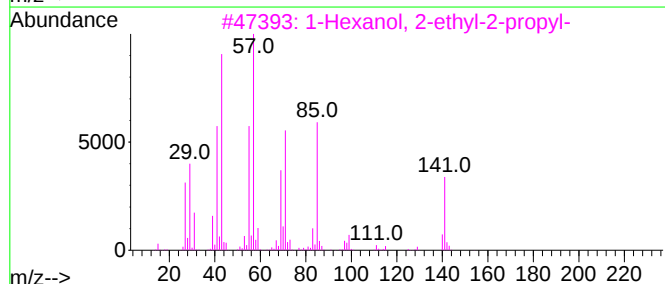
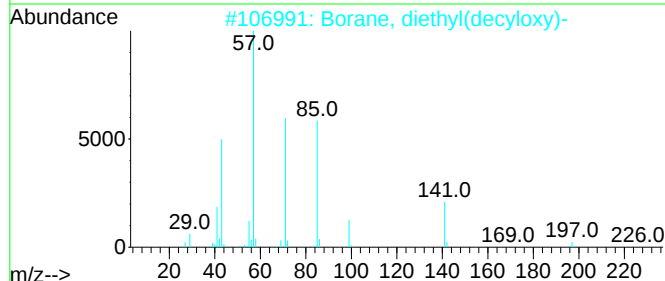
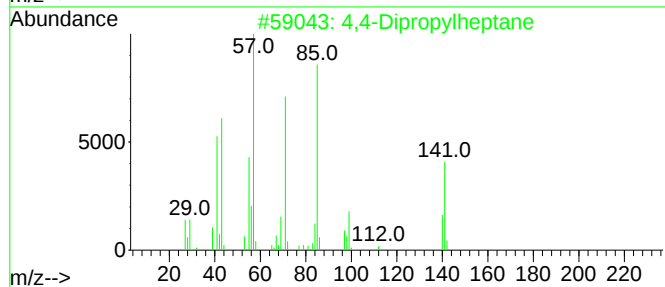
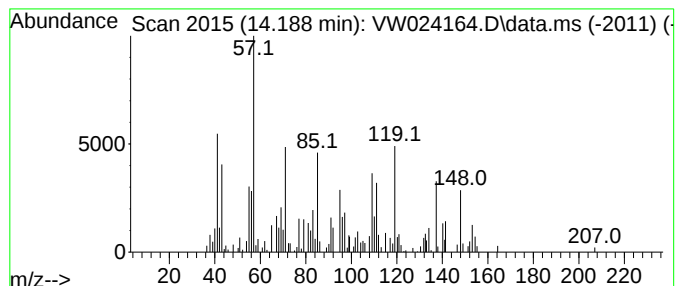
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Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.188	1.60 ug/L	39819	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4,4-Dipropylheptane	184	C13H28	017312-72-0	27
2			Borane, diethyl(decyloxy)-	226	C14H31BO	1000152-34-3	27
3			1-Hexanol, 2-ethyl-2-propyl-	172	C11H24O	054461-00-6	27
4			Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	27
5			Oxalic acid, bis(6-ethyloct-3-yl...)	370	C22H42O4	1000309-34-6	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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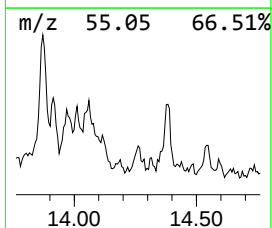
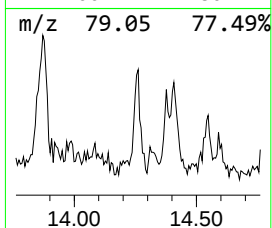
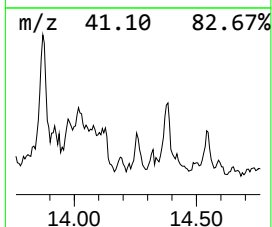
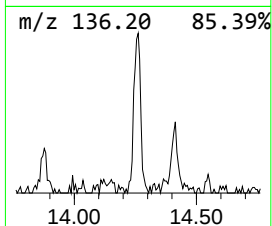
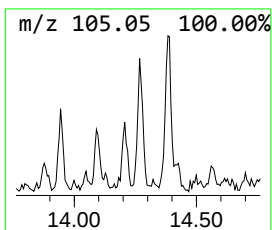
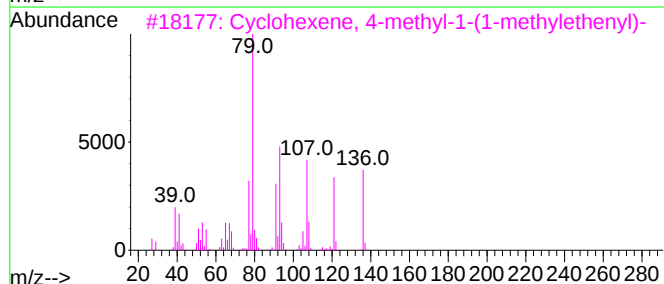
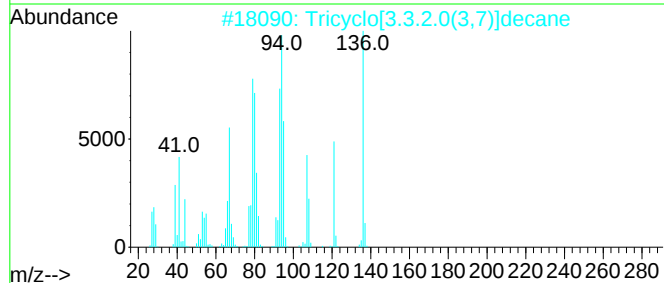
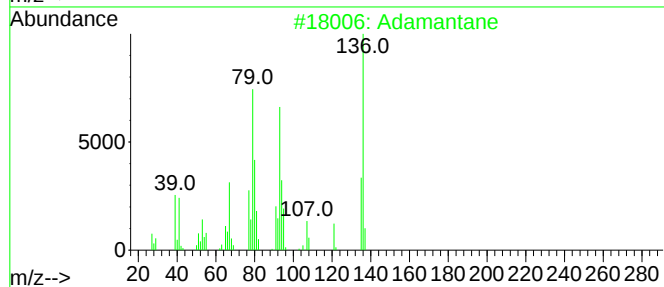
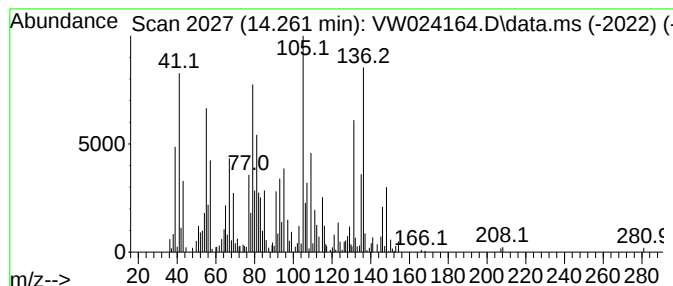
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Quant Title : SFAM01.0

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

Peak Number 24 Adamantane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.261	3.48 ug/L	86759	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Adamantane	136	C10H16	000281-23-2	50
2			Tricyclo[3.3.2.0(3,7)]decane	136	C10H16	049700-60-9	46
3			Cyclohexene, 4-methyl-1-(1-methy...	136	C10H16	000586-67-4	41
4			3-Vinyl-7-oxabicyclo[4.1.0]hepta...	124	C8H12O	1000470-91-5	30
5			Adamantane	136	C10H16	000281-23-2	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

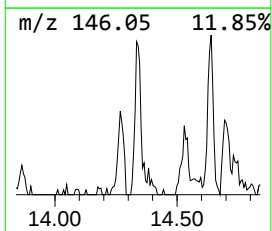
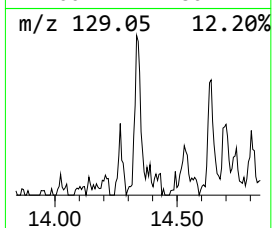
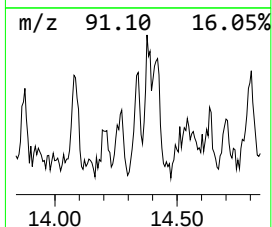
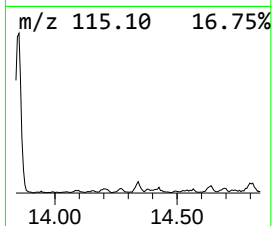
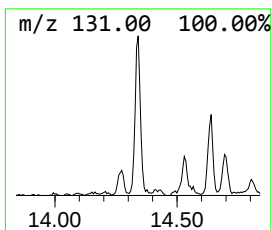
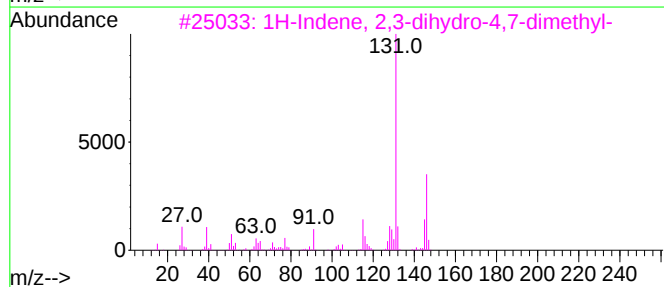
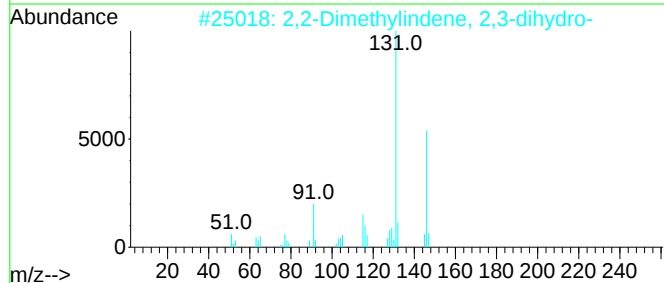
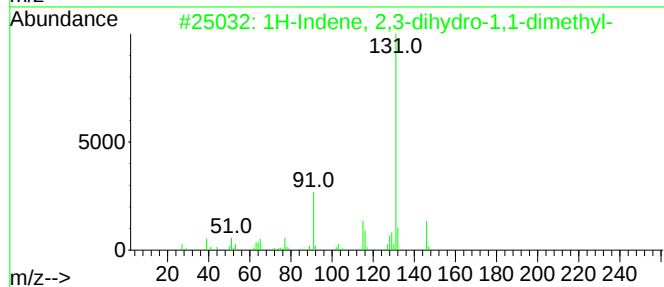
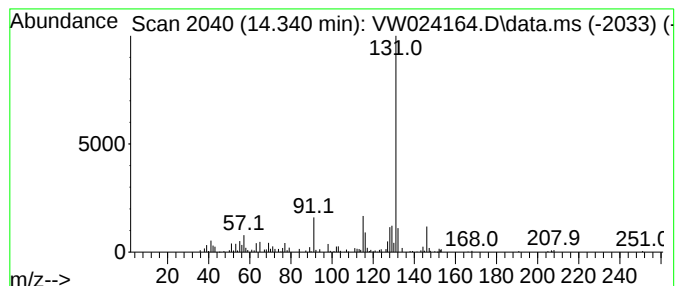
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Quant Title : SFAM01.0

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

Peak Number 25 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.341	3.28 ug/L	81808	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	94
2			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
3			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
4			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
5			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

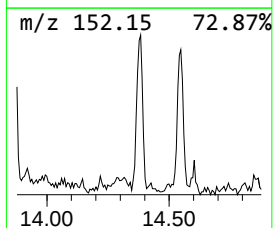
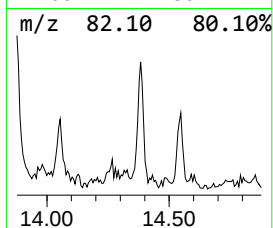
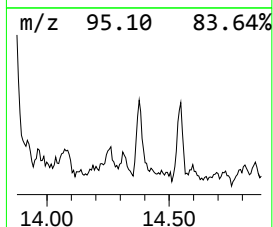
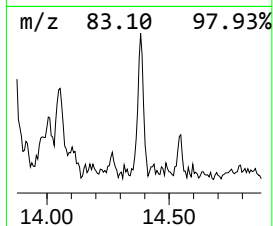
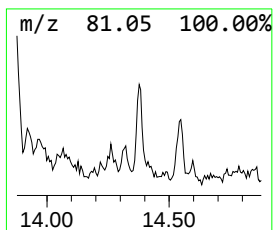
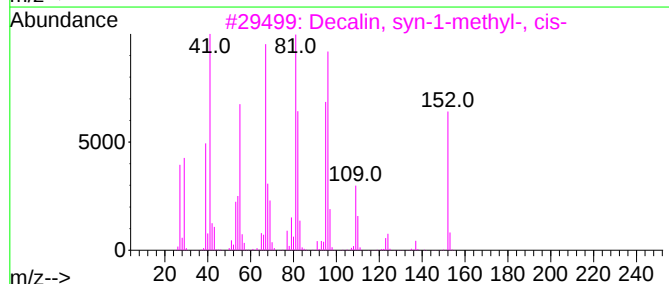
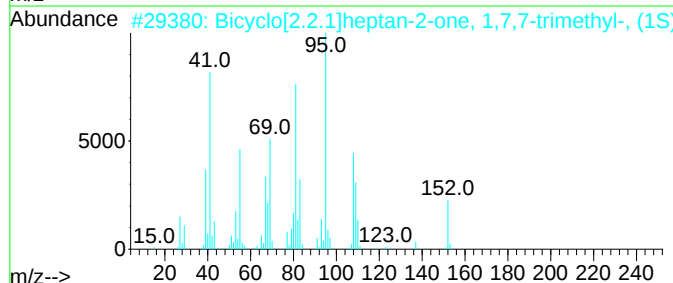
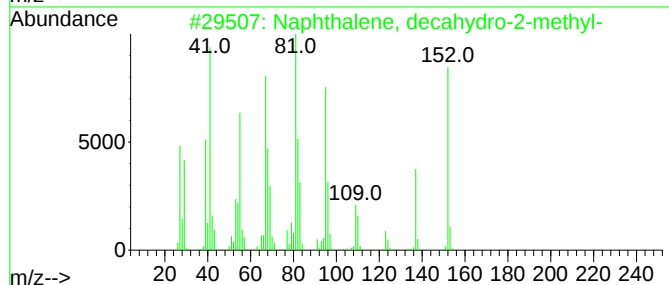
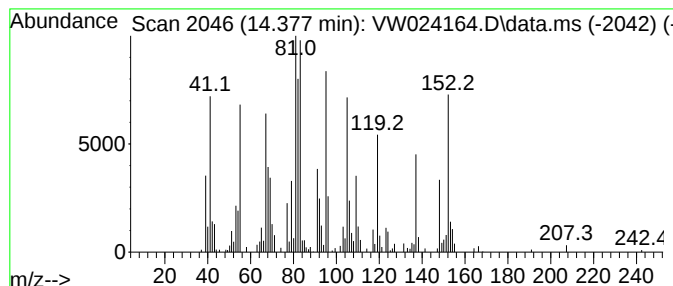
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Quant Title : SFAM01.0

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

Peak Number 26 Naphthalene, decahydro-2-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.377	4.45 ug/L	110865	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	91
2			Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	50
3			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	49
4			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	46
5			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

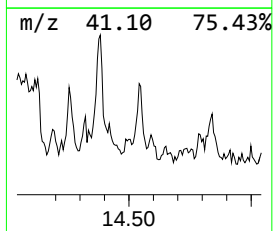
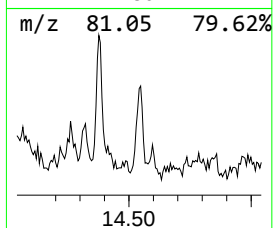
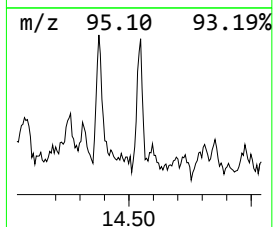
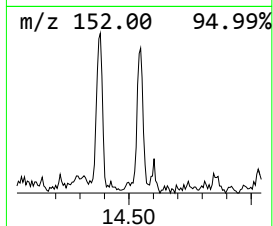
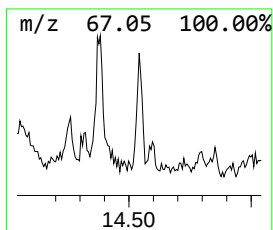
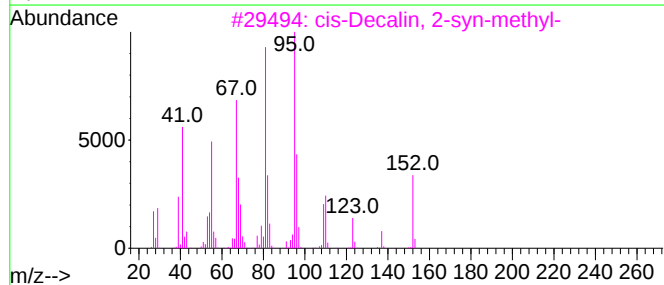
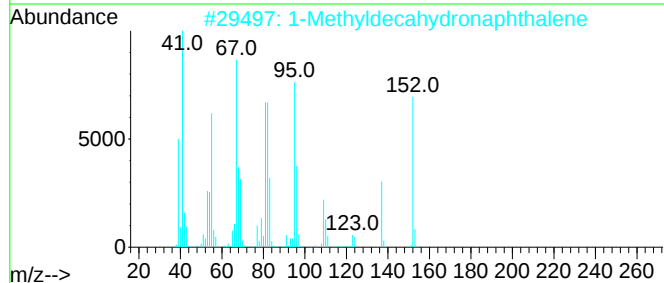
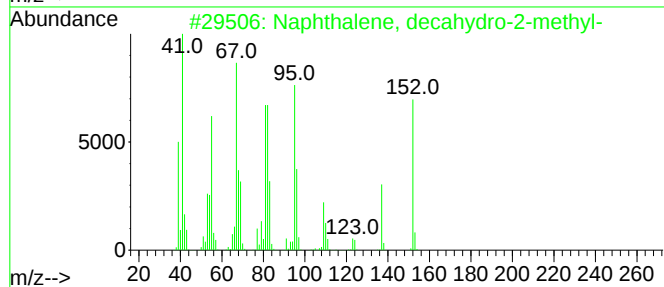
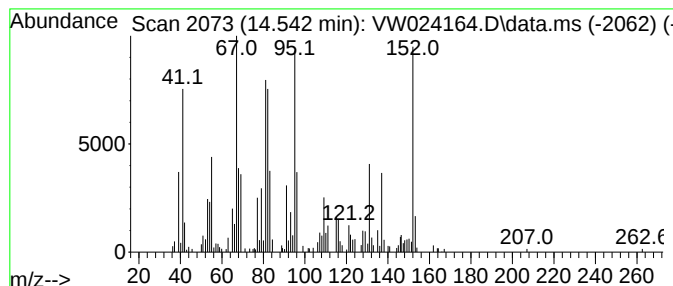
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Quant Title : SFAM01.0

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

Peak Number 27 1-Methyldecahydronaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.542	5.51 ug/L	137410	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	89
2			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	89
3			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	72
4			Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004795-86-2	70
5			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

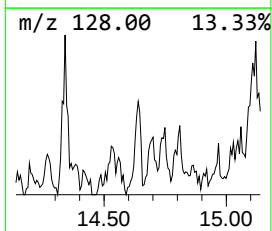
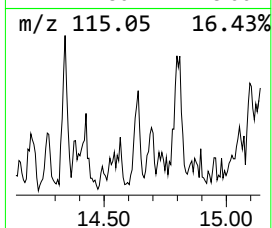
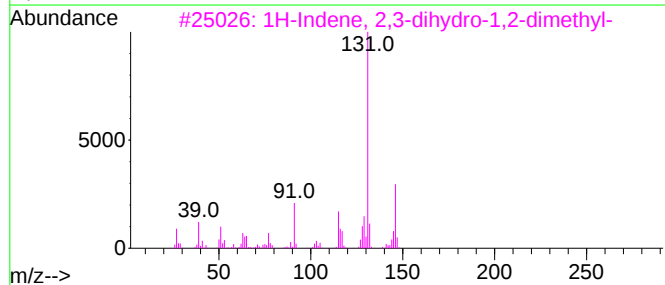
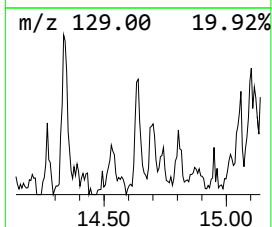
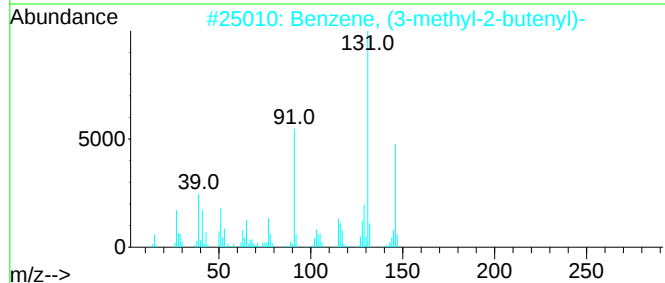
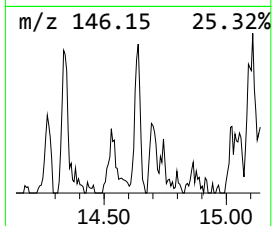
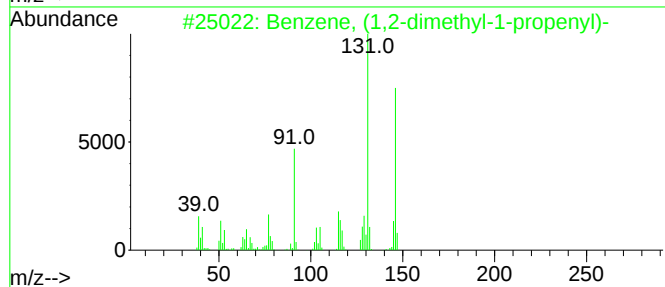
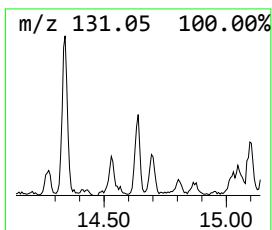
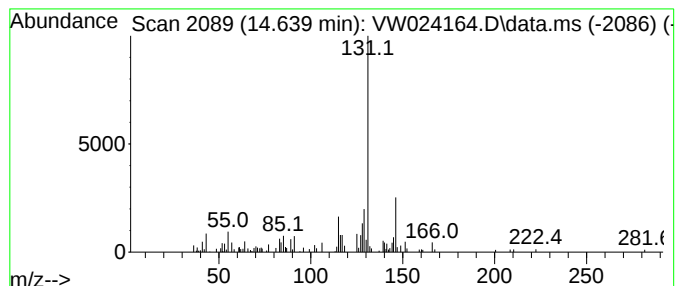
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Quant Title : SFAM01.0

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

Peak Number 28 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.639	1.31 ug/L	32681	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	83
2			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	83
3			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	81
4			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	74
5			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

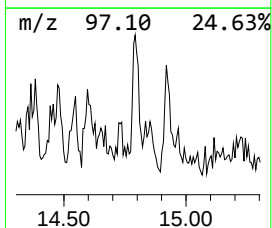
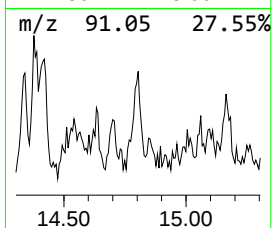
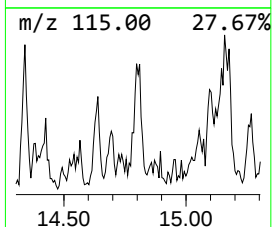
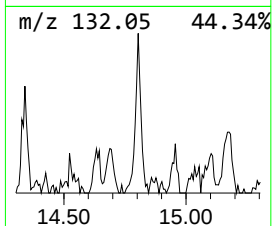
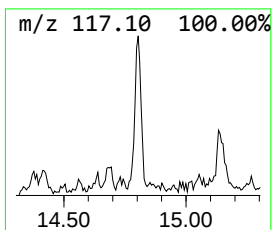
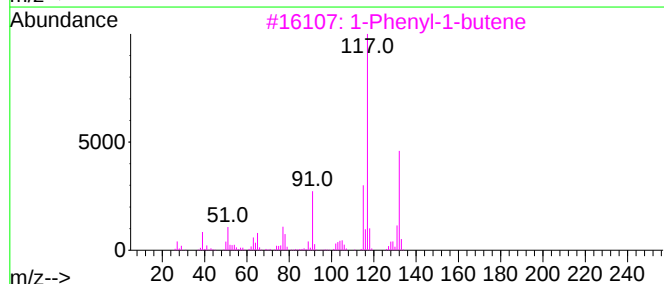
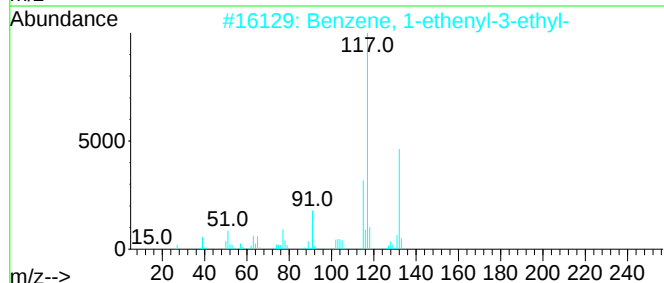
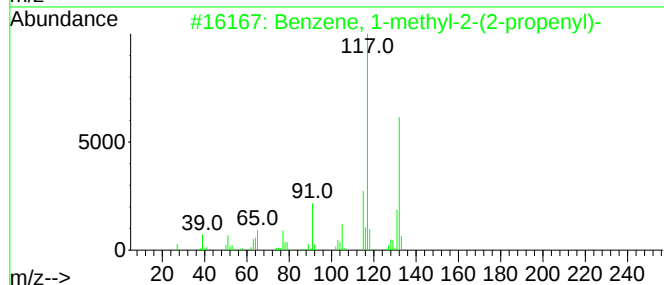
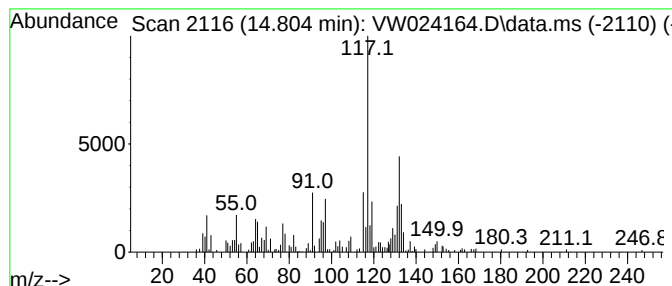
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Quant Title : SFAM01.0

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

Peak Number 29 Benzene, 1-methyl-2-(2-prop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.804	3.04 ug/L	75752	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	64
2			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	60
3			1-Phenyl-1-butene	132	C10H12	000824-90-8	60
4			Benzene, 2-butenyl-	132	C10H12	001560-06-1	58
5			1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

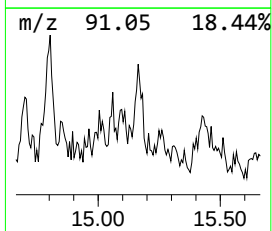
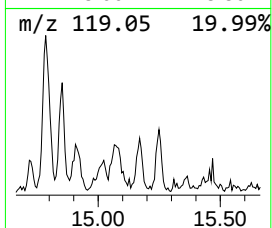
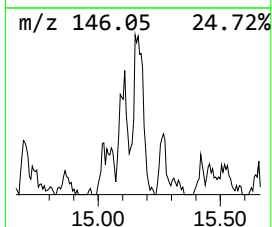
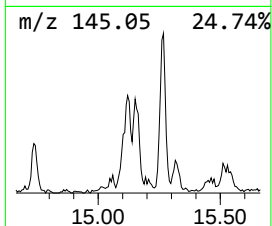
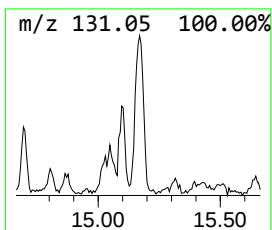
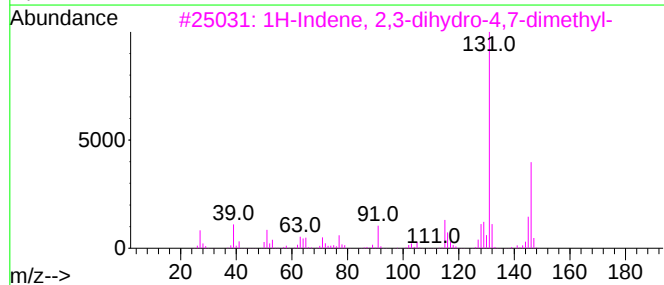
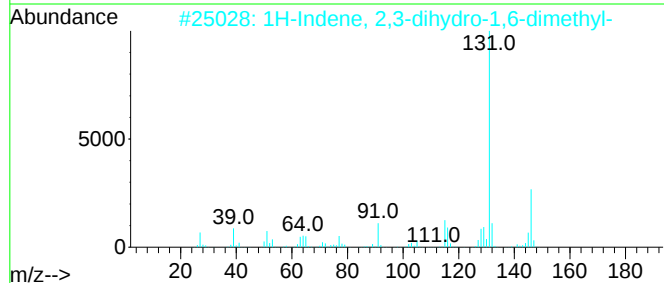
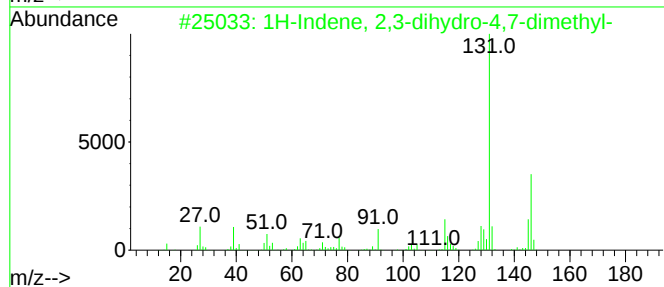
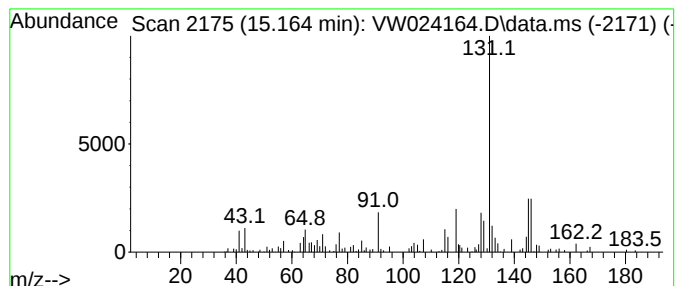
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Quant Title : SFAM01.0

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

Peak Number 30 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.164	3.79 ug/L	94451	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
2			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	62
3			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	59
4			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	58
5			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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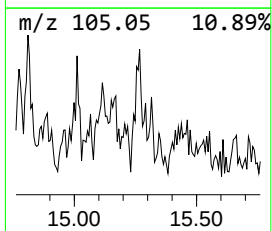
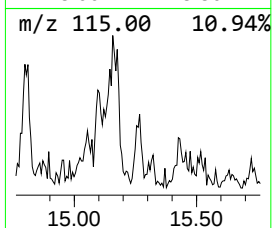
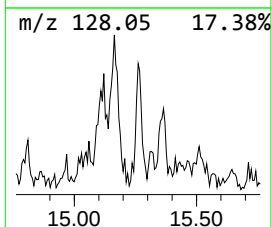
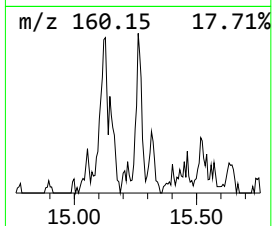
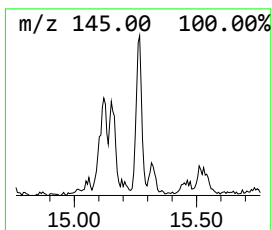
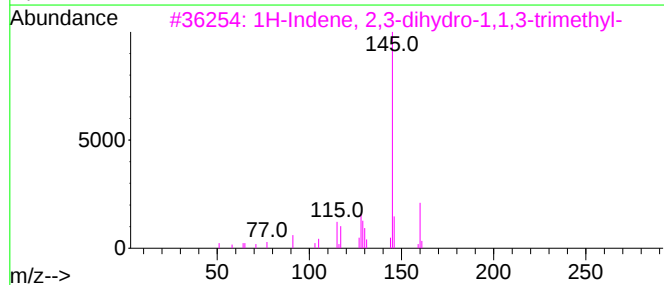
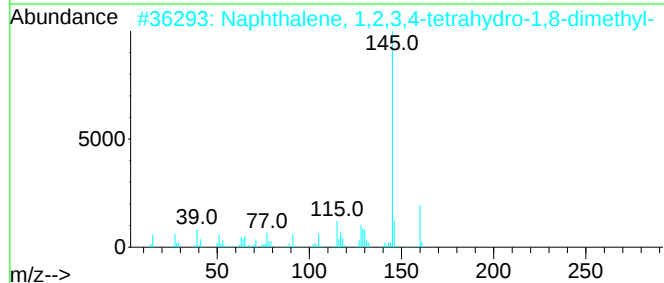
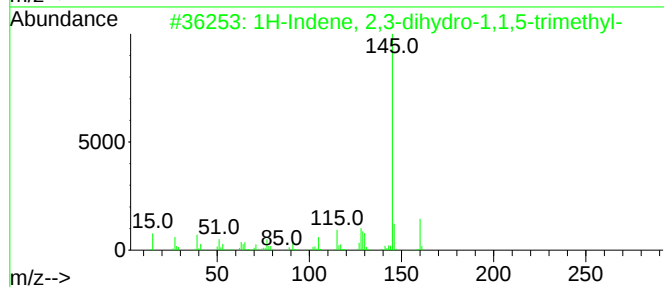
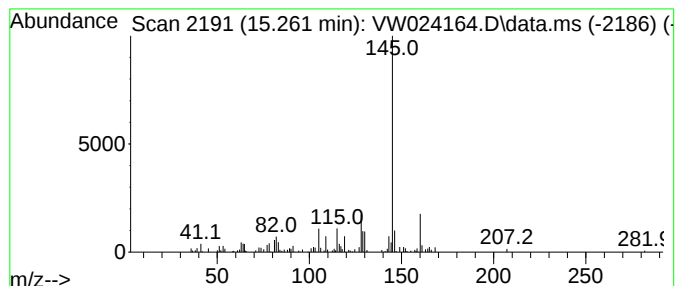
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Quant Title : SFAM01.0

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

Peak Number 31 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.261	2.27 ug/L	56548	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	90		
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	90		
3	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	83		
4	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	80		
5	1H-Indene, 2,3-dihydro-1,1,6-tri...	160	C12H16	014276-95-0	80		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

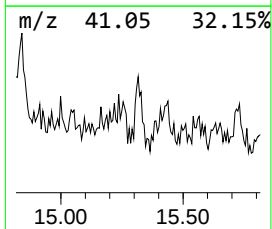
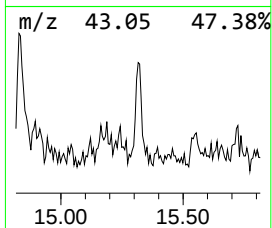
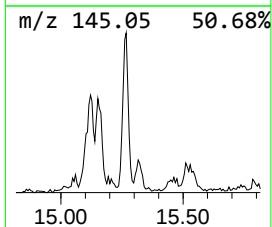
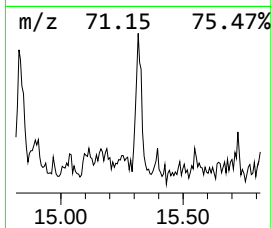
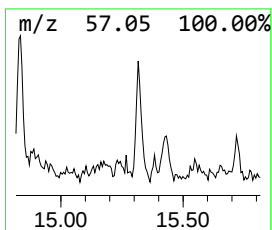
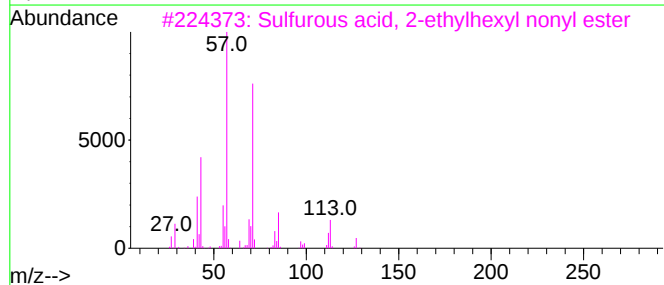
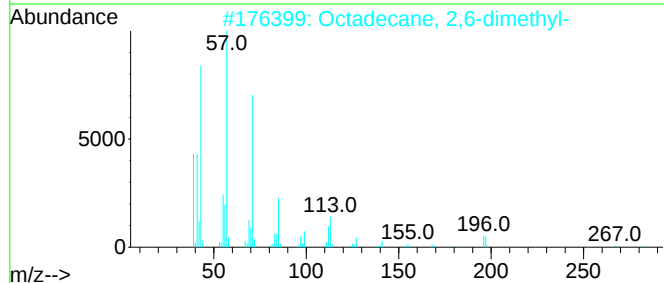
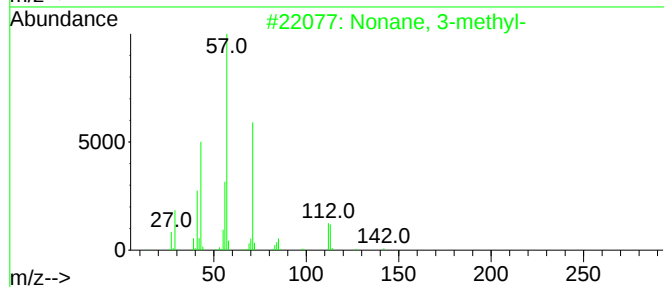
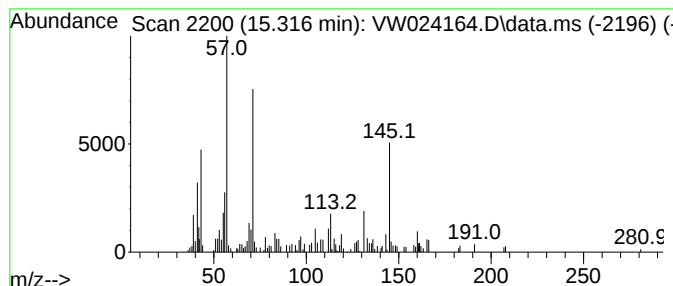
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Quant Title : SFAM01.0

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

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.316	1.90 ug/L	47426	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3-methyl-	142	C10H22	005911-04-6	50
2			Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	50
3			Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	49
4			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	47
5			Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

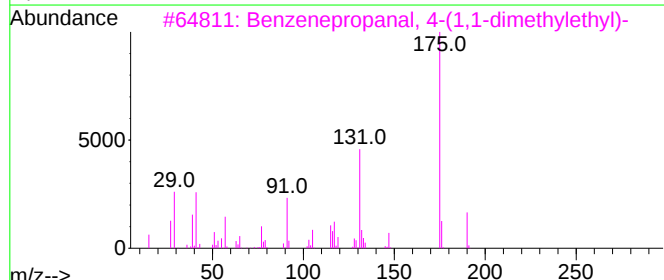
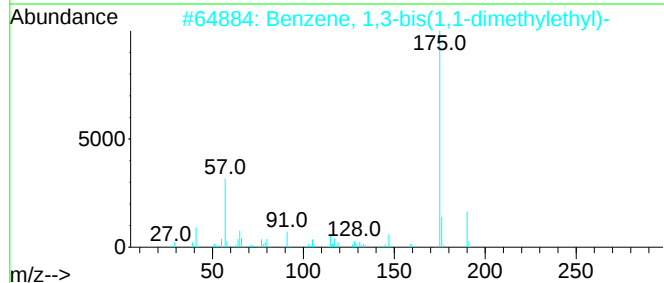
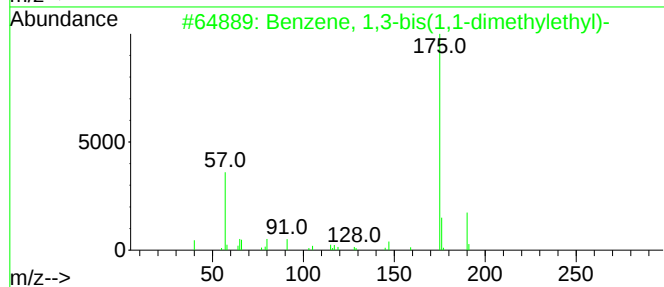
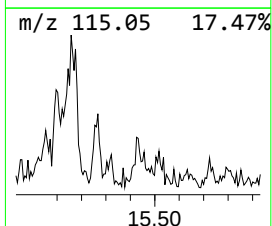
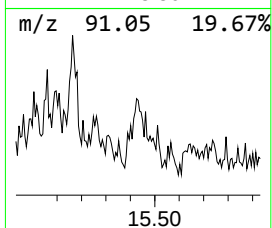
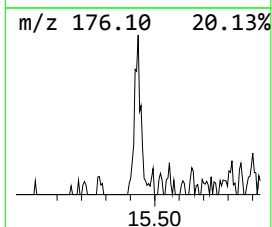
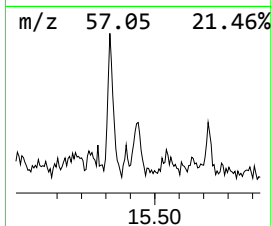
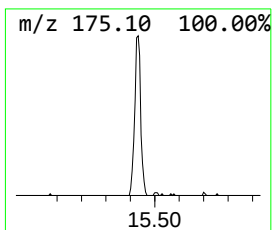
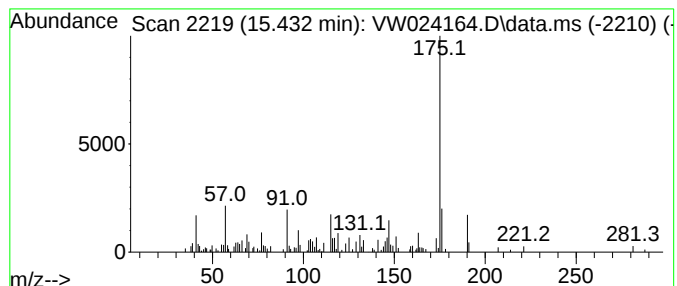
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Quant Title : SFAM01.0

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

Peak Number 33 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.432	2.93 ug/L	72936	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	72
2			Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	72
3			Benzenepropanal, 4-(1,1-dimethyl...	190	C13H18O	018127-01-0	70
4			2-naphthalenamine, 5,6,7,8-tetra...	175	C12H17N	1010404-71-6	64
5			Benzene, 1,4-bis(1,1-dimethyleth...	190	C14H22	001012-72-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
Data File : VW024164.D
Acq On : 04 Aug 2022 16:39
Operator : SY/VA
Sample : N4008-01RE
Misc : 5.60g/10mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0ZE5RE

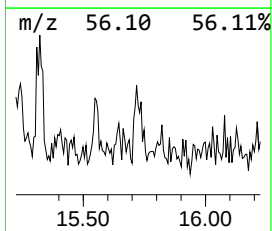
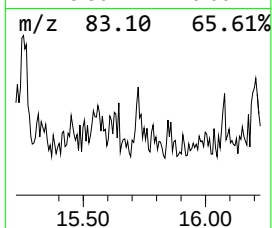
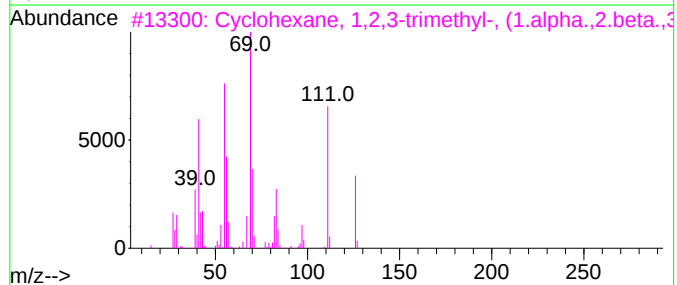
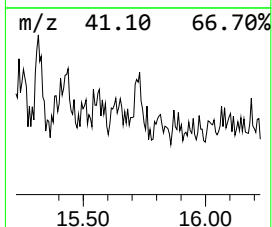
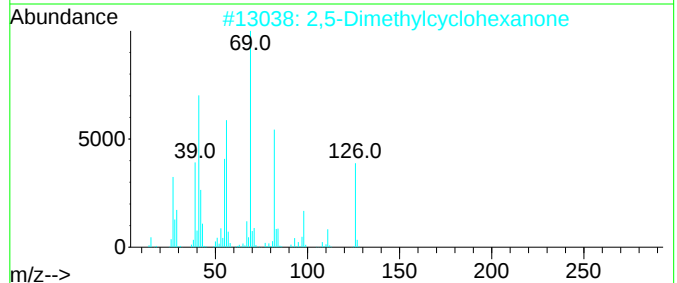
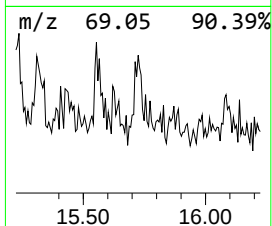
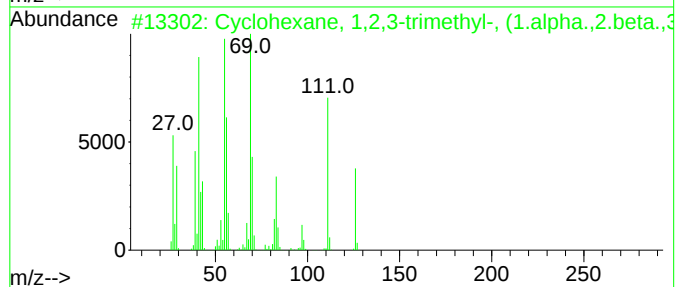
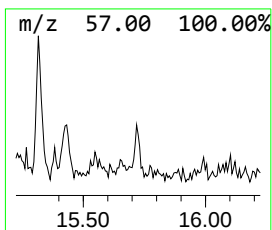
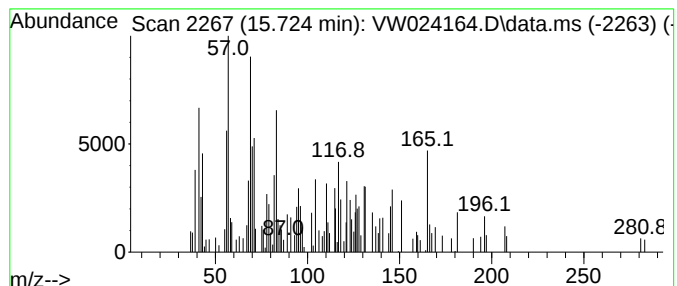
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Quant Title : SFAM01.0

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

Peak Number 34 (DEL) Alkane: Cyclic15.724 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.724	1.37 ug/L	34233	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	38
2			2,5-Dimethylcyclohexanone	126	C8H14O	000932-51-4	30
3			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	25
4			1,1-Bis(difluoromethyl)ethyl iso...	207	C5H3F6NO	1000305-84-0	22
5			Cyclopentane, butyl-	126	C9H18	002040-95-1	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080422\
 Data File : VW024164.D
 Acq On : 04 Aug 2022 16:39
 Operator : SY/VA
 Sample : N4008-01RE
 Misc : 5.60g/10mL/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 COZE5RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM080422SMA.M
 Quant Title : SFAM01.0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: C...	11.432	1.7	ug/L	59322	2	11.628	894819	25.0
Methylphosphoni...	11.871	3.0	ug/L	108276	2	11.628	894819	25.0
(DEL) Alkane: C...	12.134	3.9	ug/L	139647	2	11.628	894819	25.0
(DEL) Alkane: S...	12.249	3.2	ug/L	115888	2	11.628	894819	25.0
(DEL) Alkane: S...	12.359	6.0	ug/L	212897	2	11.628	894819	25.0
(DEL) Alkane: C...	12.445	1.7	ug/L	61600	2	11.628	894819	25.0
(DEL) Alkane: S...	12.780	9.7	ug/L	241113	3	13.554	623210	25.0
unknown-01	12.859	5.8	ug/L	143398	3	13.554	623210	25.0
unknown-02	12.938	8.3	ug/L	205822	3	13.554	623210	25.0
unknown-03	13.042	1.5	ug/L	37748	3	13.554	623210	25.0
Oxalic acid, 6-...	13.072	3.2	ug/L	79369	3	13.554	623210	25.0
(DEL) Alkane: C...	13.121	2.4	ug/L	60770	3	13.554	623210	25.0
(DEL) Alkane: S...	13.158	14.0	ug/L	349434	3	13.554	623210	25.0
1-Decanol, 2-he...	13.292	5.7	ug/L	142475	3	13.554	623210	25.0
(DEL) Alkane: S...	13.341	3.2	ug/L	78991	3	13.554	623210	25.0
unknown-04	13.377	2.2	ug/L	54074	3	13.554	623210	25.0
Bicyclo[3.1.1]h...	13.438	7.0	ug/L	174187	3	13.554	623210	25.0
Heptyl octadecy...	13.481	2.1	ug/L	53356	3	13.554	623210	25.0
(DEL) Alkane: S...	13.688	3.2	ug/L	79366	3	13.554	623210	25.0
unknown-05	13.981	1.6	ug/L	39201	3	13.554	623210	25.0
(DEL) Alkane: S...	14.188	1.6	ug/L	39819	3	13.554	623210	25.0
Adamantane	14.261	3.5	ug/L	86759	3	13.554	623210	25.0
1H-Indene, 2,3-...	14.341	3.3	ug/L	81808	3	13.554	623210	25.0
Naphthalene, de...	14.377	4.5	ug/L	110865	3	13.554	623210	25.0
1-Methyldecahyd...	14.542	5.5	ug/L	137410	3	13.554	623210	25.0
Benzene, (1,2-d...	14.639	1.3	ug/L	32681	3	13.554	623210	25.0
Benzene, 1-meth...	14.804	3.0	ug/L	75752	3	13.554	623210	25.0
1H-Indene, 2,3-...	15.164	3.8	ug/L	94451	3	13.554	623210	25.0
1H-Indene, 2,3-...	15.261	2.3	ug/L	56548	3	13.554	623210	25.0
(DEL) Alkane: S...	15.316	1.9	ug/L	47426	3	13.554	623210	25.0
Benzene, 1,3-bi...	15.432	2.9	ug/L	72936	3	13.554	623210	25.0
(DEL) Alkane: C...	15.724	1.4	ug/L	34233	3	13.554	623210	25.0