

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
 Data File : VW026504.D
 Acq On : 01 Jul 2023 04:48
 Operator : SY/MD
 Sample : 03501-10
 Misc : 4.26g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A46X5

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\SFAMWLM062923SMA.M
 Title : SFAM01.0

Signal : TIC: VW026504.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.143	37	42	51	rBV	43227	89096	1.26%	0.148%
2	2.357	72	77	88	rVB	75610	151815	2.14%	0.252%
3	2.893	157	165	179	rBV	77769	223925	3.16%	0.371%
4	3.850	316	322	326	rBV9	4033	7972	0.11%	0.013%
5	4.015	338	349	359	rBV	159654	436872	6.16%	0.725%
6	4.118	359	366	376	rVB	91340	240105	3.39%	0.398%
7	4.387	406	410	415	rVB2	6627	13130	0.19%	0.022%
8	4.923	485	498	506	rBV3	16269	64948	0.92%	0.108%
9	5.795	633	641	645	rVV8	5282	14763	0.21%	0.024%
10	7.075	844	851	860	rBV	52398	147600	2.08%	0.245%
11	7.173	861	867	880	rVB	40341	114705	1.62%	0.190%
12	7.648	935	945	958	rBV	290312	707071	9.98%	1.173%
13	7.947	988	994	1002	rVB9	9176	29802	0.42%	0.049%
14	8.038	1002	1009	1015	rVB9	4088	10694	0.15%	0.018%
15	8.154	1019	1028	1033	rBV4	9565	22655	0.32%	0.038%
16	8.276	1036	1048	1066	rVB2	616705	1920117	27.09%	3.185%
17	8.429	1066	1073	1076	rBV9	3040	7698	0.11%	0.013%
18	8.575	1091	1097	1103	rBV8	5019	11644	0.16%	0.019%
19	8.697	1111	1117	1126	rVB4	8280	18259	0.26%	0.030%
20	8.843	1132	1141	1151	rBV	863563	1711404	24.15%	2.839%
21	9.075	1169	1179	1187	rBV3	11397	34509	0.49%	0.057%
22	9.276	1201	1212	1219	rBV	457099	951419	13.42%	1.578%
23	9.337	1219	1222	1227	rVV2	33418	55936	0.79%	0.093%
24	9.380	1227	1229	1239	rVB6	10286	19253	0.27%	0.032%
25	9.520	1248	1252	1258	rVB9	4415	9189	0.13%	0.015%
26	9.605	1261	1266	1272	rVB9	5415	11938	0.17%	0.020%
27	9.752	1282	1290	1294	rBV6	11132	23485	0.33%	0.039%
28	9.898	1309	1314	1318	rVB3	8758	13605	0.19%	0.023%
29	9.959	1318	1324	1326	rBV2	18205	30846	0.44%	0.051%
30	10.032	1331	1336	1343	rVV	141931	266219	3.76%	0.442%
31	10.093	1343	1346	1357	rVB2	23187	53633	0.76%	0.089%
32	10.245	1367	1371	1376	rVB3	9315	16553	0.23%	0.027%
33	10.325	1376	1384	1391	rBV	620168	1138384	16.06%	1.888%
34	10.386	1391	1394	1400	rVB	25681	48422	0.68%	0.080%
35	10.508	1407	1414	1418	rVB6	14222	32006	0.45%	0.053%
36	10.575	1419	1425	1433	rBV	84653	154205	2.18%	0.256%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
 Title : SFAM01.0

37	10.666	1436	1440	1443	rBV3	8946	15438	0.22%	0.026%
38	10.697	1443	1445	1449	rVB4	7965	10279	0.15%	0.017%
39	10.843	1466	1469	1474	rVB3	14924	25582	0.36%	0.042%
40	10.922	1476	1482	1493	rBV2	185819	350755	4.95%	0.582%
41	11.032	1496	1500	1509	rVB	24472	45466	0.64%	0.075%
42	11.105	1509	1512	1516	rBV5	10310	14477	0.20%	0.024%
43	11.178	1520	1524	1527	rBV2	17180	26096	0.37%	0.043%
44	11.227	1527	1532	1537	rBV2	35797	66752	0.94%	0.111%
45	11.288	1538	1542	1545	rBV6	6381	11729	0.17%	0.019%
46	11.337	1545	1550	1553	rBV3	35549	63421	0.89%	0.105%
47	11.404	1554	1561	1564	rBV2	27337	58368	0.82%	0.097%
48	11.507	1573	1578	1588	rVB	71517	132543	1.87%	0.220%
49	11.629	1590	1598	1607	rBV	708374	1205634	17.01%	2.000%
50	11.763	1617	1620	1623	rVB5	12354	15448	0.22%	0.026%
51	11.812	1623	1628	1632	rBV3	30206	67707	0.96%	0.112%
52	11.873	1633	1638	1642	rVV	84038	133748	1.89%	0.222%
53	11.910	1642	1644	1650	rVB2	51028	78384	1.11%	0.130%
54	11.971	1650	1654	1655	rBV3	18938	23156	0.33%	0.038%
55	12.001	1656	1659	1662	rBV2	14688	19071	0.27%	0.032%
56	12.056	1664	1668	1673	rVB2	64377	109484	1.54%	0.182%
57	12.135	1674	1681	1692	rBV5	200379	585465	8.26%	0.971%
58	12.251	1692	1700	1704	rVB	248561	464889	6.56%	0.771%
59	12.361	1704	1718	1725	rBV3	316996	1145958	16.17%	1.901%
60	12.501	1730	1741	1744	rBV5	157967	420981	5.94%	0.698%
61	12.593	1752	1756	1757	rBV	43996	54786	0.77%	0.091%
62	12.617	1757	1760	1765	rVB2	94208	139288	1.97%	0.231%
63	12.690	1766	1772	1777	rBV2	325175	651640	9.19%	1.081%
64	12.775	1782	1786	1792	rVB2	227260	425722	6.01%	0.706%
65	12.861	1792	1800	1803	rBV4	210889	513732	7.25%	0.852%
66	12.940	1804	1813	1817	rBV7	725935	2253144	31.79%	3.738%
67	13.074	1832	1835	1839	rVB	290789	391683	5.53%	0.650%
68	13.123	1839	1843	1846	rVV2	236580	354065	5.00%	0.587%
69	13.160	1846	1849	1856	rVB2	458168	669666	9.45%	1.111%
70	13.288	1866	1870	1874	rVB	329965	420167	5.93%	0.697%
71	13.336	1875	1878	1882	rBV2	255925	354506	5.00%	0.588%
72	13.373	1882	1884	1886	rVV3	94308	96302	1.36%	0.160%
73	13.440	1886	1895	1899	rVV6	615359	1432836	20.22%	2.377%
74	13.483	1899	1902	1909	rVV5	293927	517977	7.31%	0.859%
75	13.556	1910	1914	1917	rVV	349213	562985	7.94%	0.934%
76	13.586	1917	1919	1927	rVB3	227323	384917	5.43%	0.639%

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77	13.690	1931	1936	1941	rBV4	279296	549524	7.75%	0.912%
78	13.873	1958	1966	1970	rBV4	1002068	2373095	33.48%	3.937%
79	13.909	1970	1972	1979	rVB4	447503	650783	9.18%	1.080%
80	13.970	1979	1982	1986	rBV3	533632	873537	12.32%	1.449%
81	14.013	1987	1989	1991	rBV2	314706	352406	4.97%	0.585%
82	14.123	2004	2007	2014	rVB	895656	1582024	22.32%	2.624%
83	14.190	2014	2018	2022	rBV2	516884	811857	11.45%	1.347%
84	14.257	2025	2029	2035	rVB4	756383	1143439	16.13%	1.897%
85	14.312	2035	2038	2040	rBV3	279885	363174	5.12%	0.602%
86	14.379	2043	2049	2054	rVV2	1668729	2939243	41.47%	4.876%
87	14.501	2064	2069	2070	rBV3	377603	635493	8.97%	1.054%
88	14.543	2073	2076	2081	rVB3	786396	1269159	17.91%	2.105%
89	14.653	2091	2094	2098	rBV	404508	519555	7.33%	0.862%
90	14.732	2104	2107	2111	rBV3	502196	696154	9.82%	1.155%
91	14.787	2112	2116	2120	rVV2	1075157	2045402	28.86%	3.393%
92	14.836	2120	2124	2131	rVB2	2027184	4088863	57.69%	6.783%
93	14.964	2143	2145	2149	rVB3	427802	467389	6.59%	0.775%
94	15.116	2167	2170	2173	rBV3	291025	422827	5.97%	0.701%
95	15.318	2198	2203	2210	rVB	4392065	7087691	100.00%	11.758%
96	15.391	2210	2215	2220	rBV4	658564	1463430	20.65%	2.428%
97	15.568	2240	2244	2249	rVB6	419480	795399	11.22%	1.319%
98	15.622	2250	2253	2255	rBV3	381194	569822	8.04%	0.945%
99	15.720	2266	2269	2277	rVB3	1039813	1895005	26.74%	3.144%
100	16.275	2354	2360	2369	rVB	1795056	3568484	50.35%	5.920%

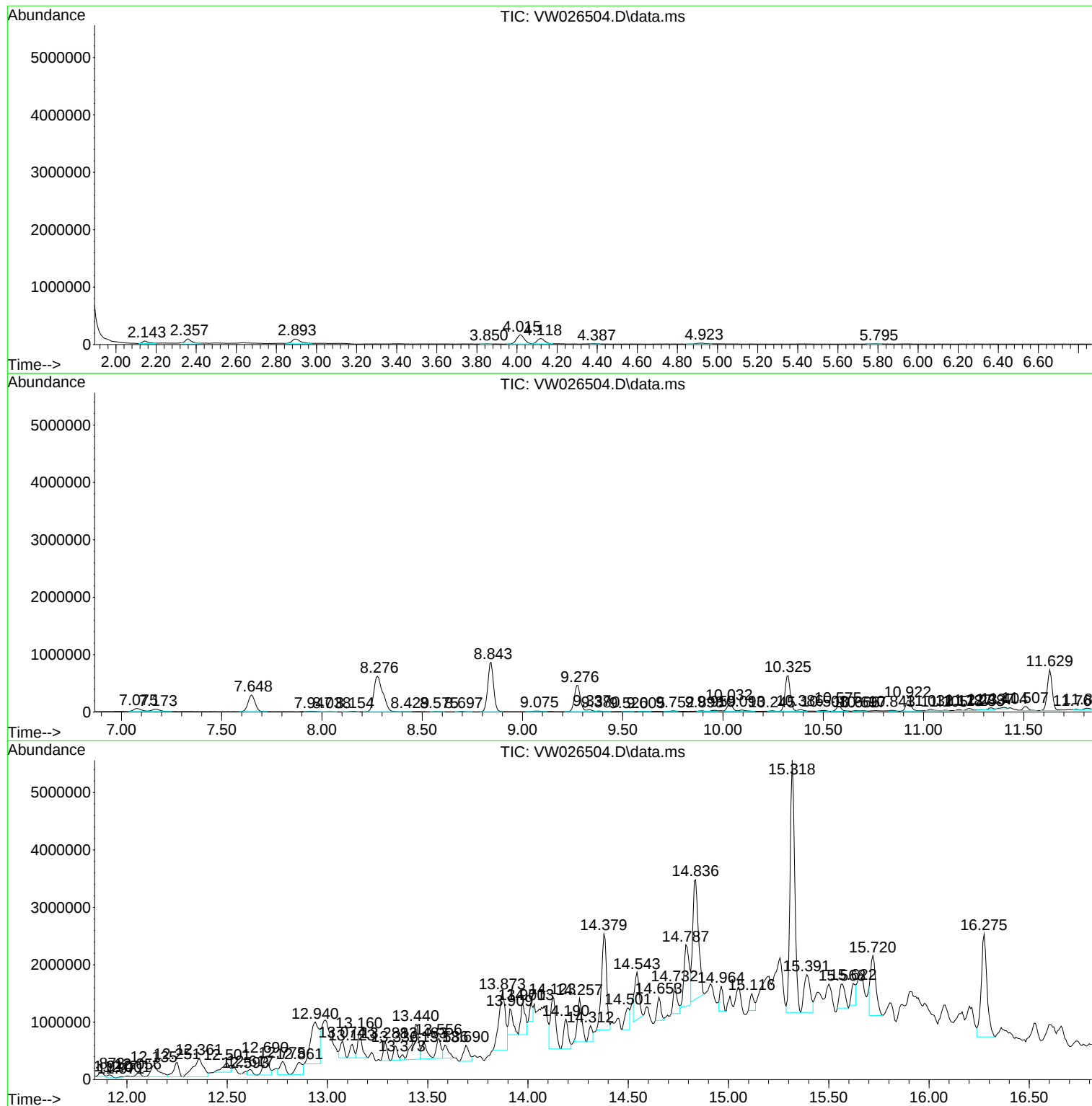
Sum of corrected areas: 60281879

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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



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Instrument :
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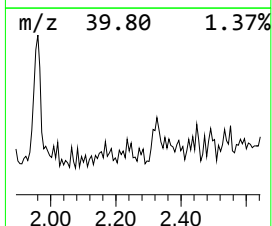
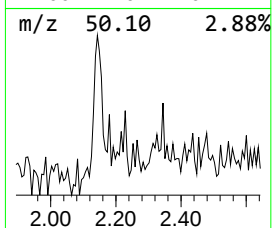
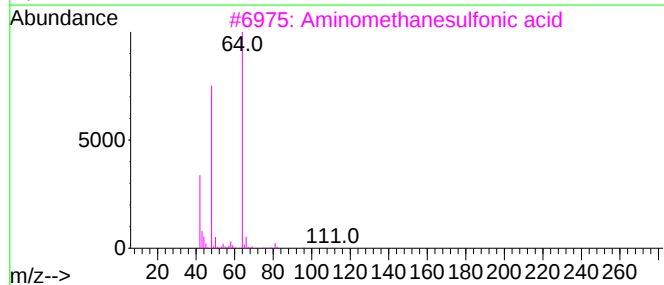
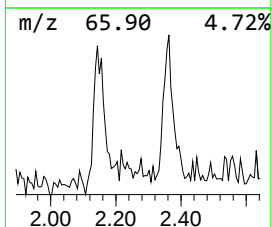
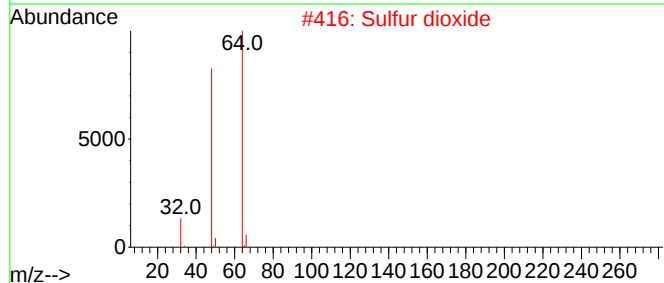
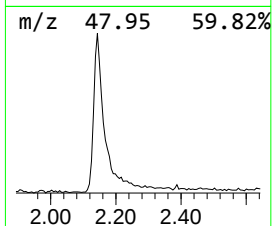
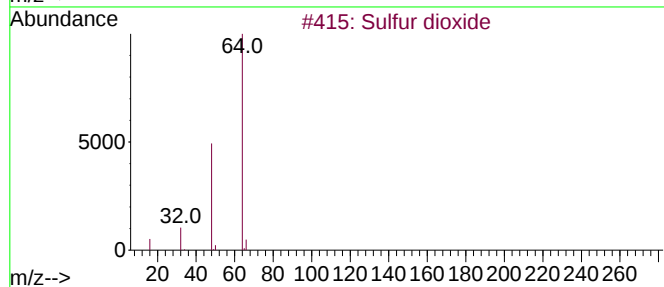
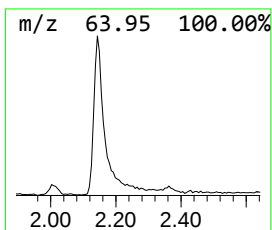
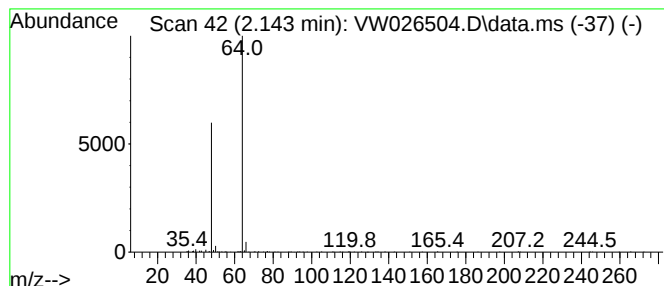
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 Sulfur dioxide Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.143	1.30 ug/L	89096	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfur dioxide	64	O2S	007446-09-5	90
2			Sulfur dioxide	64	O2S	007446-09-5	83
3			Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
4			Thiosulfuric acid S-[2-[[5-[0-to...	347	C15H25NO4S2	038920-47-7	64
5			2-Benzimidazolyl methane thiosul...	244	C8H8N2O3S2	1010256-39-2	9



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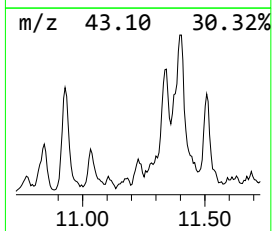
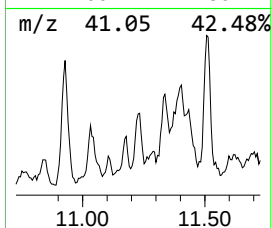
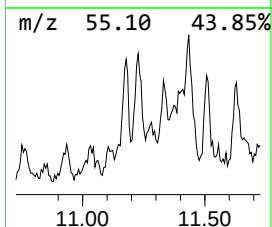
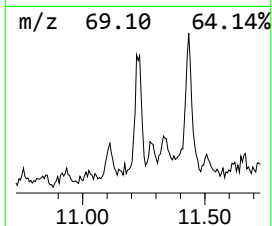
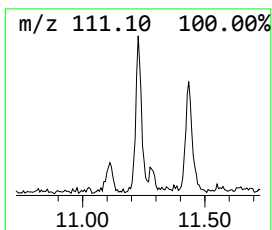
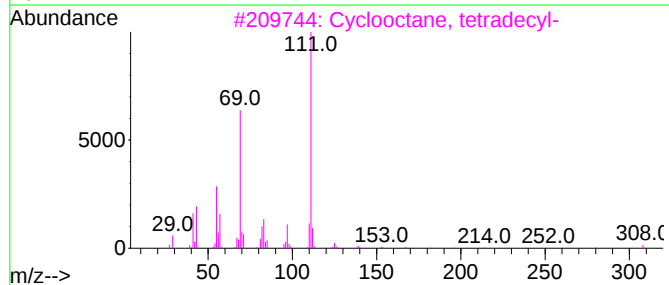
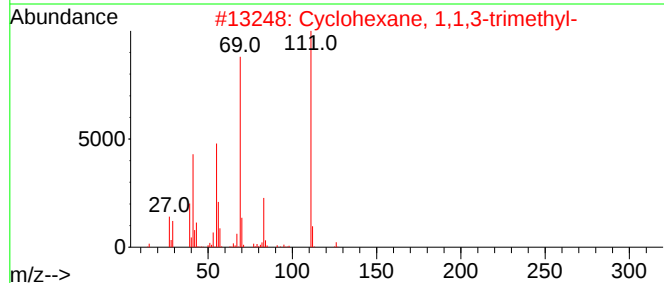
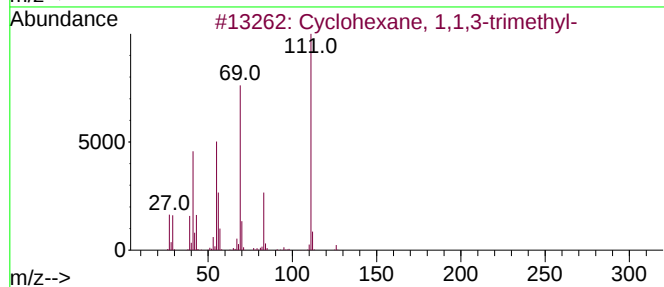
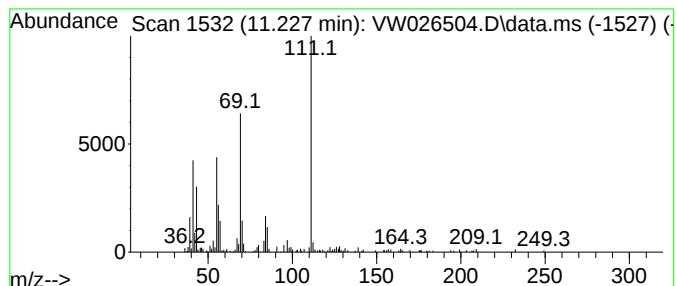
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 (DEL) Alkane: Cyclic11.227 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.227	1.38 ug/L	66752	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	81
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	68
3			Cyclooctane, tetradecyl-	308	C22H44	149003-36-1	53
4			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	50
5			2-Pyrazoline, 1-isopropyl-5-methyl-	126	C7H14N2	026964-54-5	47



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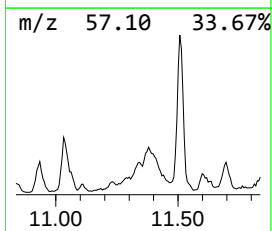
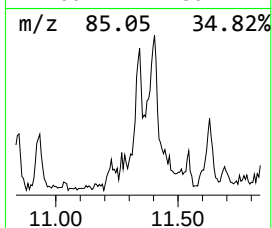
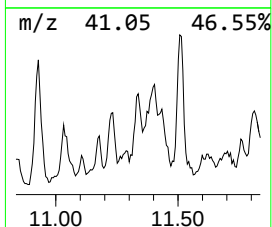
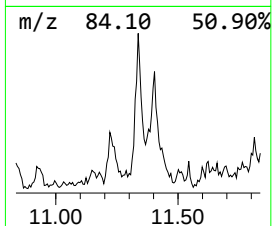
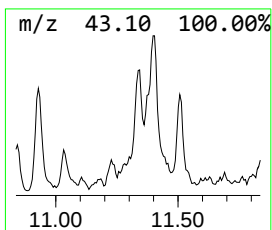
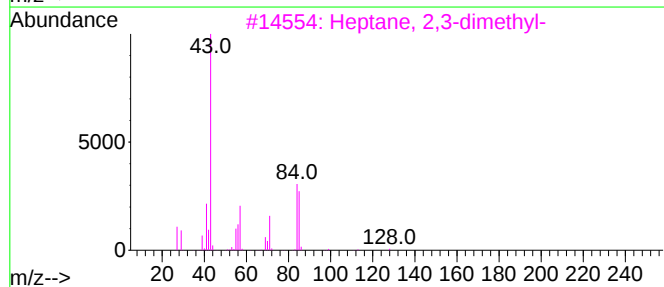
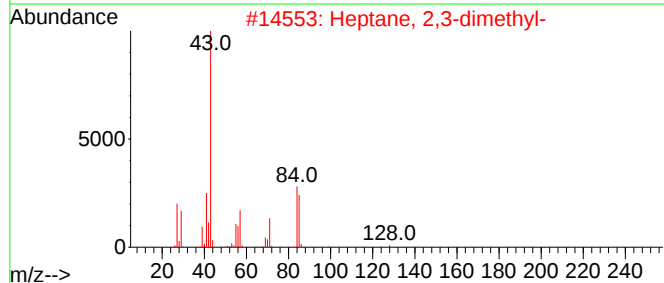
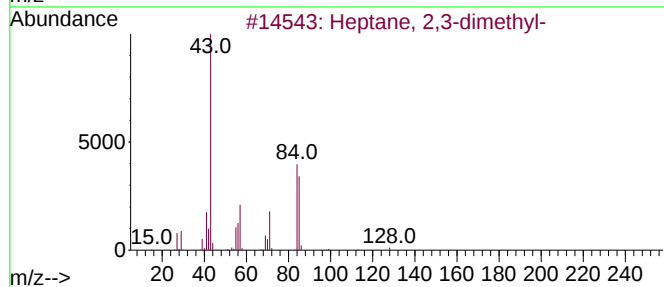
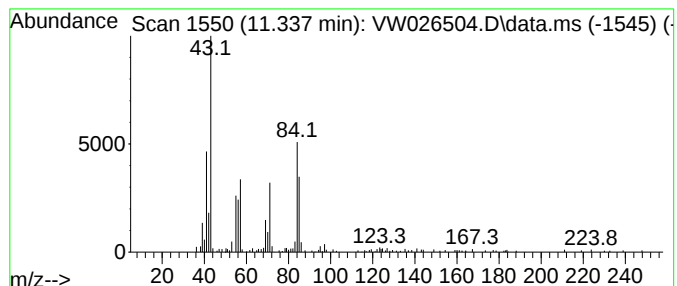
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.337	1.32 ug/L	63421	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-		128	C9H20	003074-71-3	86
2	Heptane, 2,3-dimethyl-		128	C9H20	003074-71-3	64
3	Heptane, 2,3-dimethyl-		128	C9H20	003074-71-3	64
4	Piperidine		85	C5H11N	000110-89-4	62
5	Nonane, 4-ethyl-5-methyl-		170	C12H26	001632-71-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

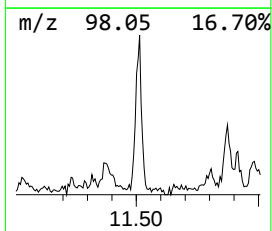
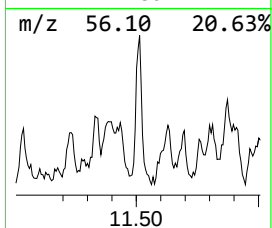
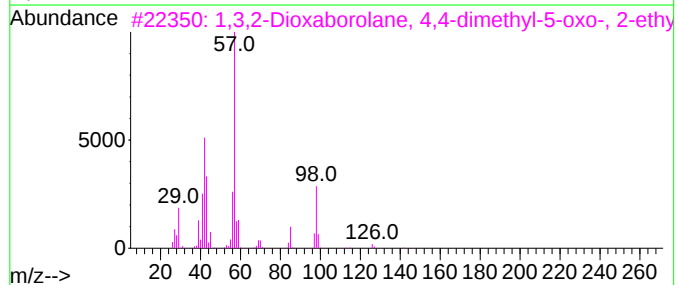
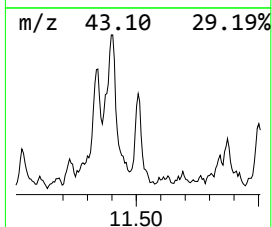
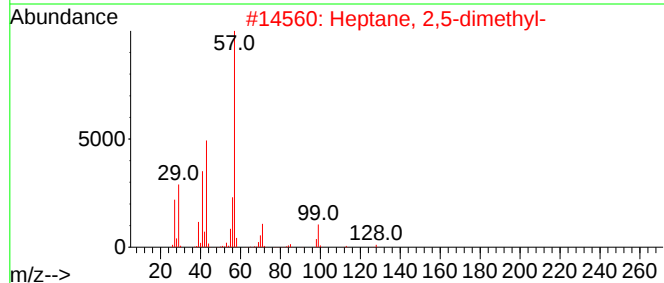
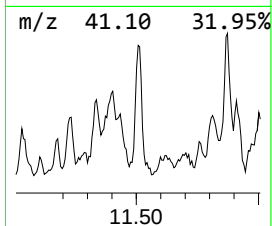
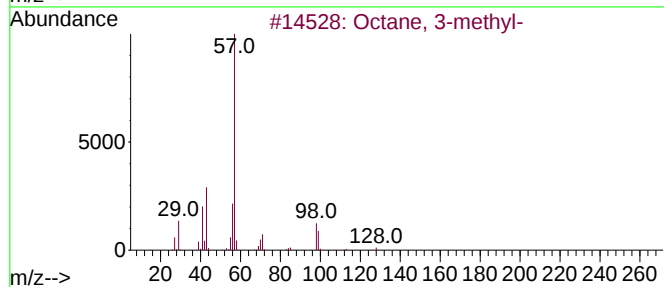
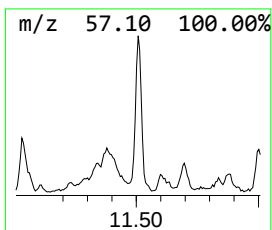
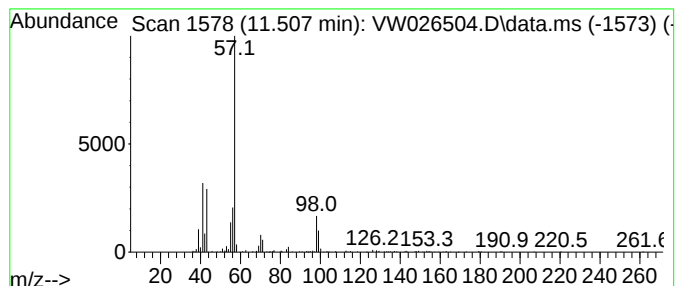
Instrument :
MSVOA_W
ClientSampleId :
A46X5

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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 39

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.507	2.75 ug/L	132543	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-		128	C9H20	002216-33-3	72
2	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	53
3	1,3,2-Dioxaborolane, 4,4-dimethy...		142	C6H11BO3	1000063-89-2	50
4	Decane, 2,5-dimethyl-		170	C12H26	017312-50-4	47
5	Heptane, 3-ethyl-		128	C9H20	015869-80-4	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

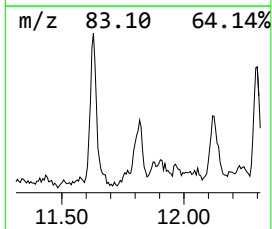
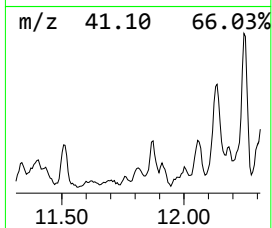
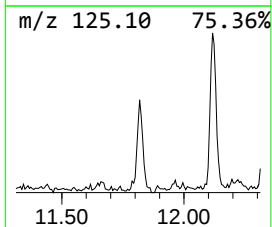
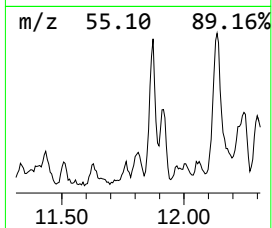
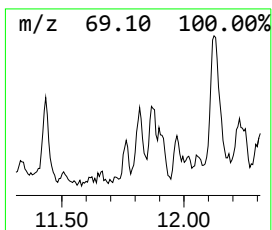
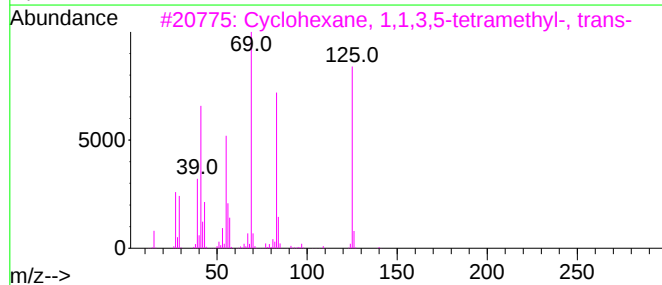
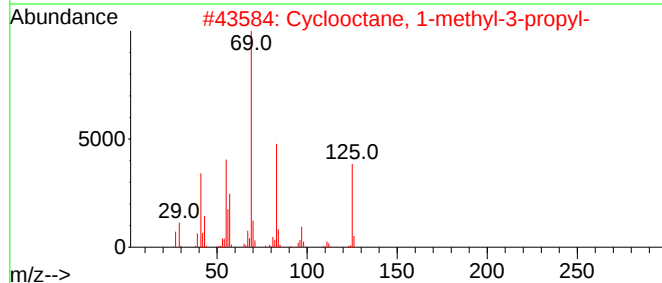
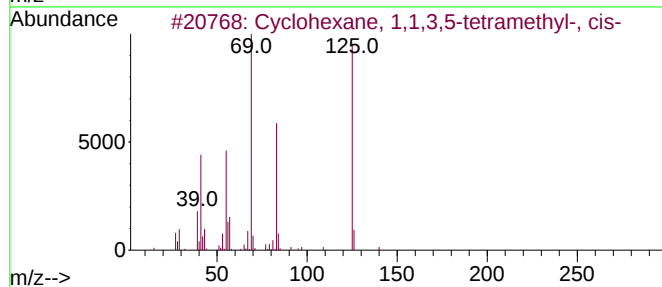
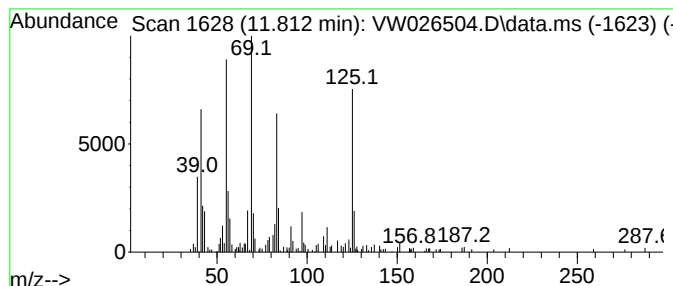
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Cyclic11.812 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.812	1.40 ug/L	67707	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	64
2			Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	59
3			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	59
4			Pentane, 3-methylene-	84	C6H12	000760-21-4	38
5			3,4-Dimethyl cyclohexanone	126	C8H14O	005465-09-8	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

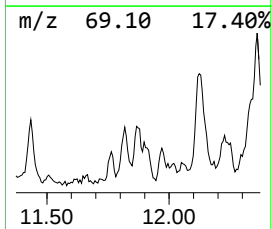
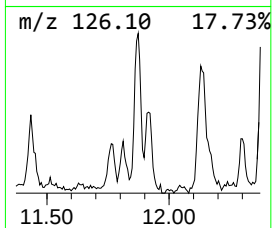
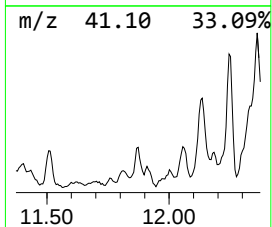
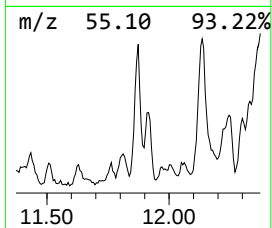
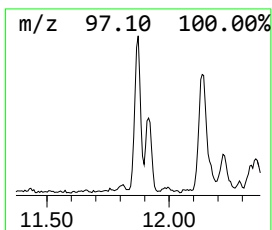
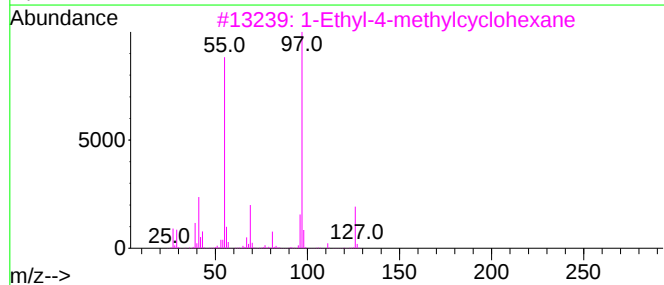
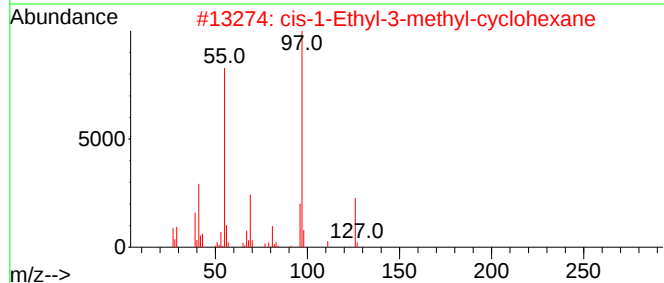
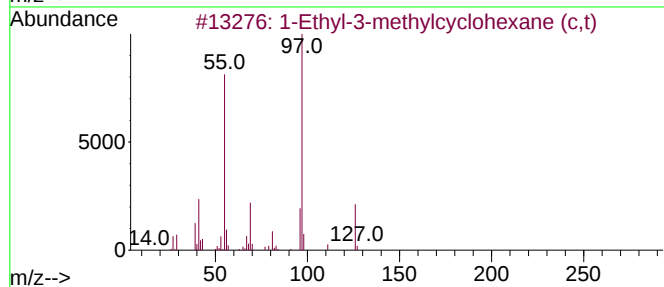
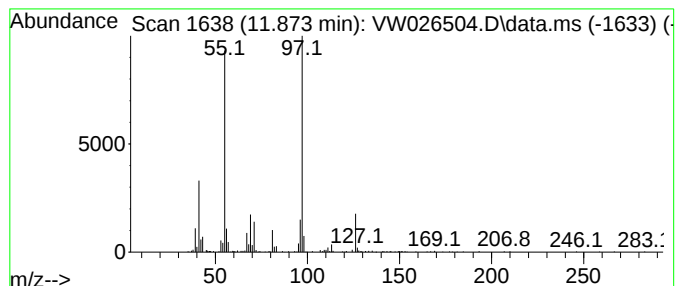
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Cyclic11.873 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.873	2.77 ug/L	133748	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	94
2			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	93
3			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	93
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72
5			Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

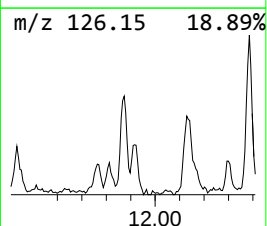
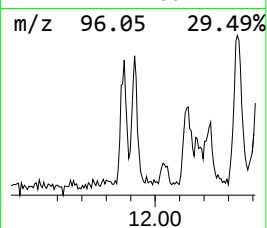
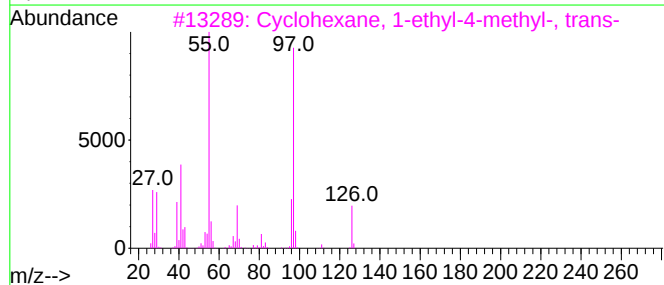
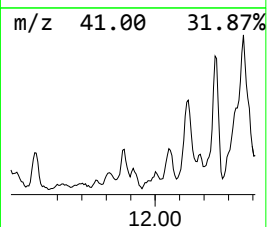
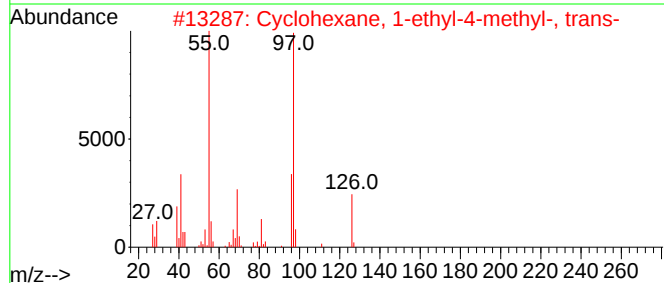
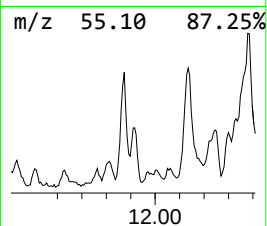
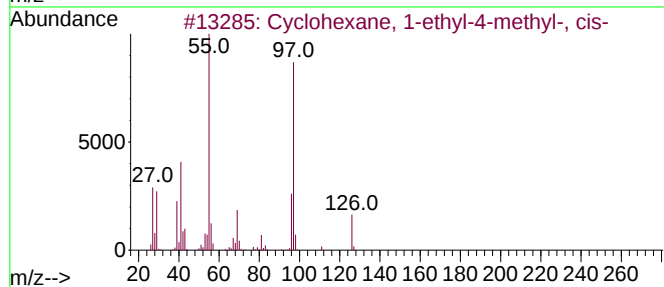
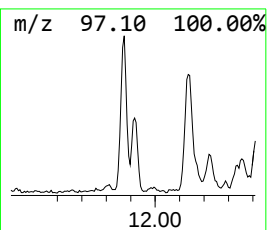
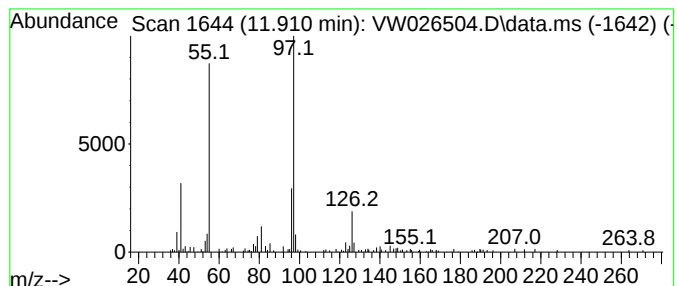
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Cyclic11.910 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	1.63 ug/L	78384	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	86
2			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	86
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	86
4			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	80
5			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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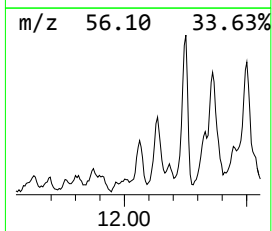
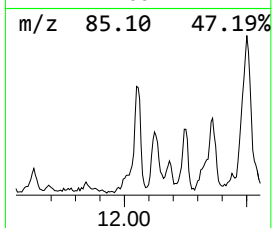
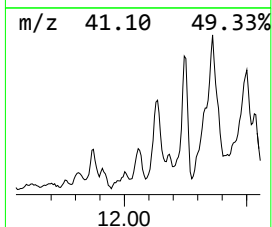
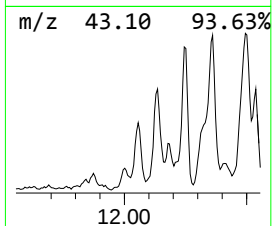
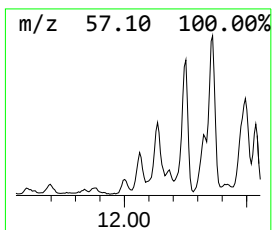
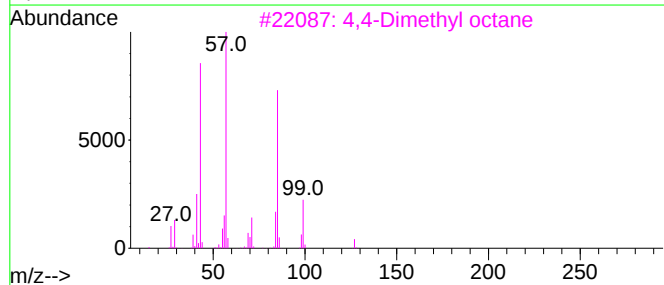
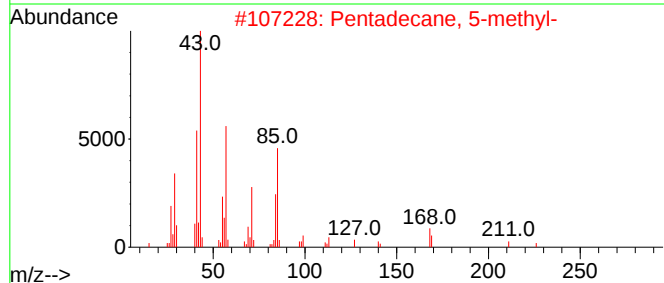
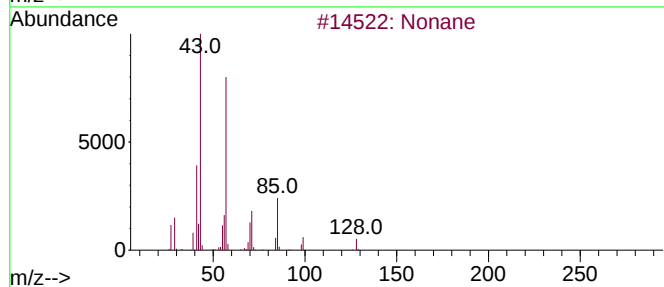
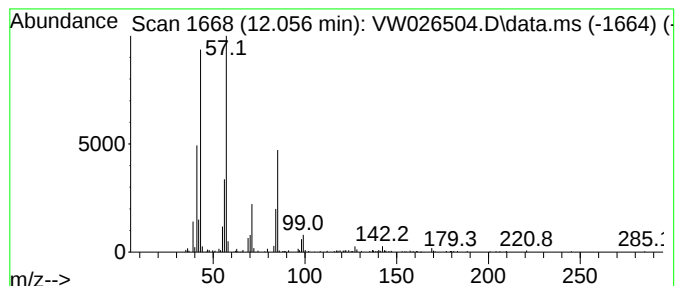
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.056	2.27 ug/L	109484	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane	128	C9H20	000111-84-2	59
2			Pentadecane, 5-methyl-	226	C16H34	025117-33-3	53
3			4,4-Dimethyl octane	142	C10H22	015869-95-1	53
4			2-Nonanol, trimethylacetate	228	C14H28O2	1000463-21-6	53
5			Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

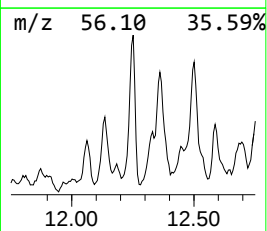
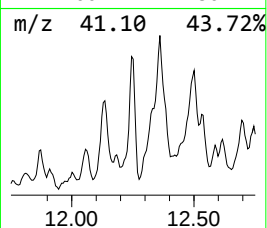
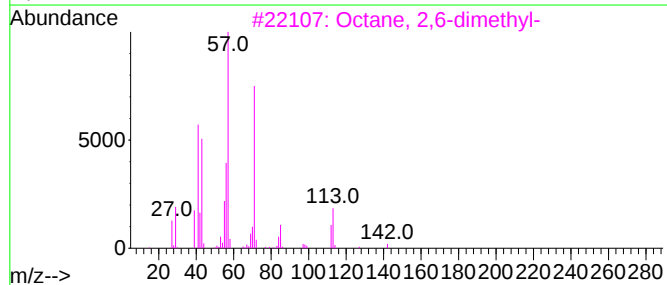
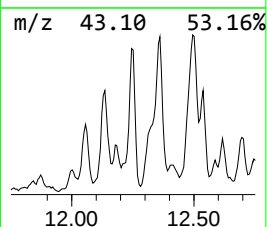
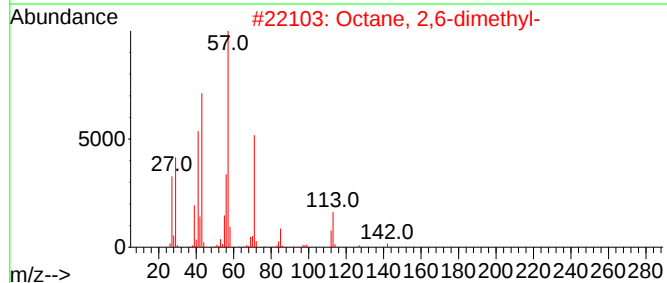
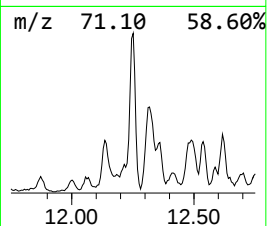
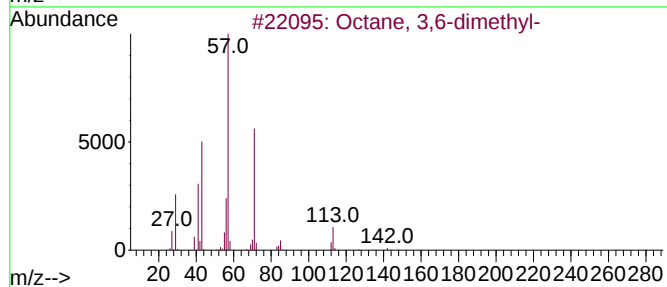
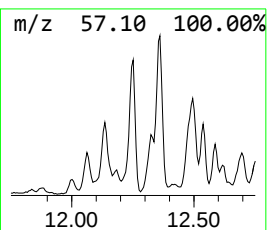
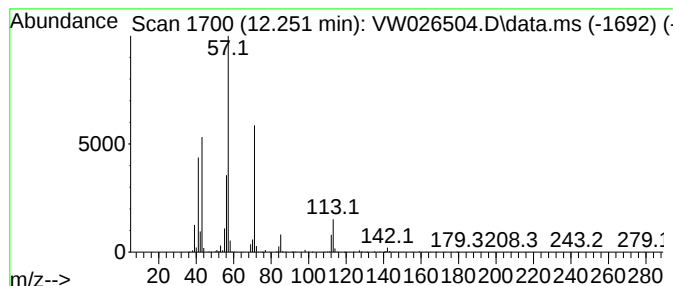
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.251	9.64 ug/L	464889	Chlorobenzene-d5			11.629
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80
5		Nonane, 3-methyl-	142	C10H22	005911-04-6	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

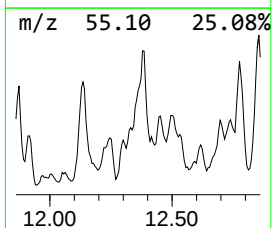
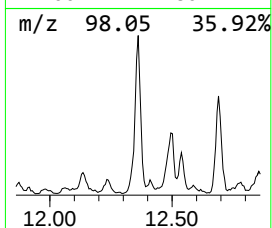
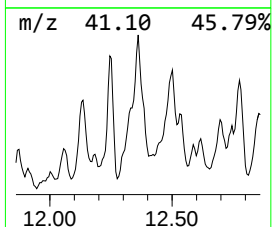
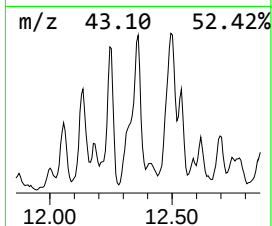
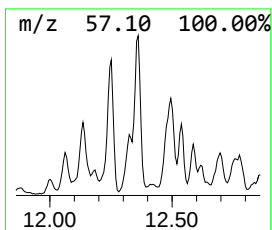
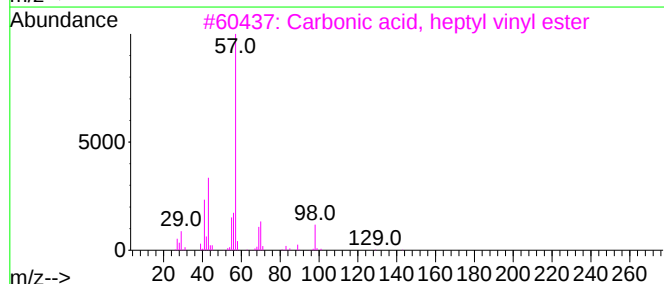
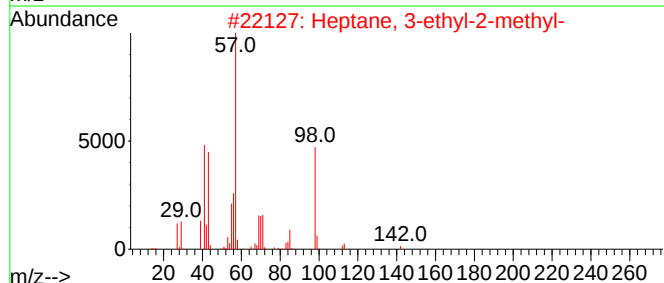
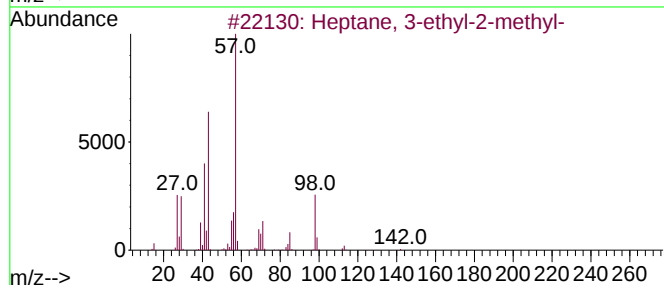
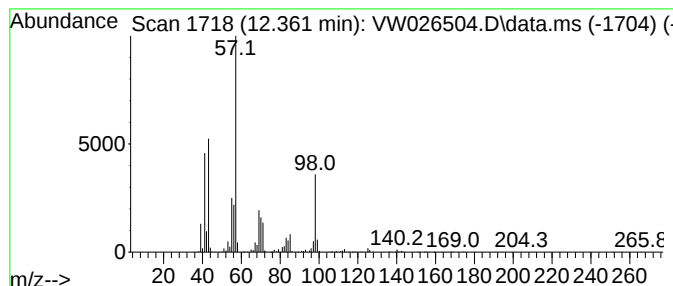
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.361	23.76 ug/L	1145960	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	91
2			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	83
3			Carbonic acid, heptyl vinyl ester	186	C10H18O3	1010383-25-4	59
4			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
5			3-Undecene, 6-methyl-, (E)-	168	C12H24	074630-52-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

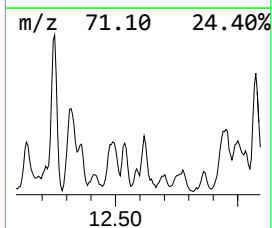
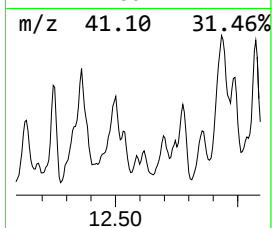
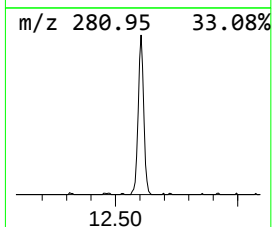
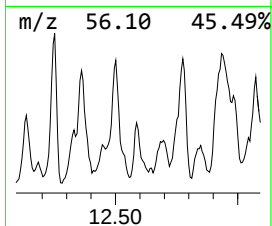
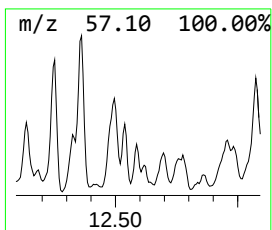
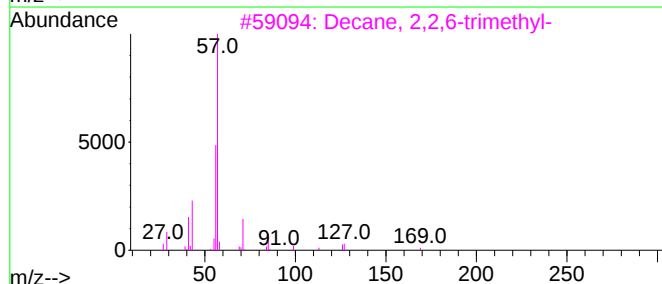
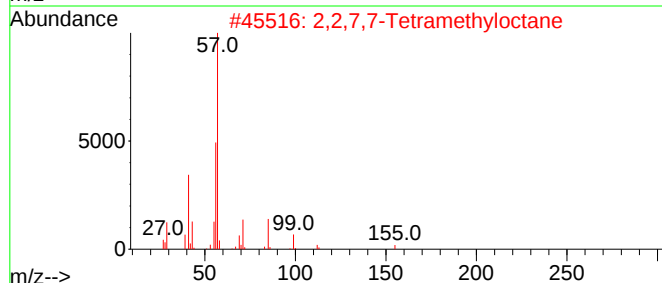
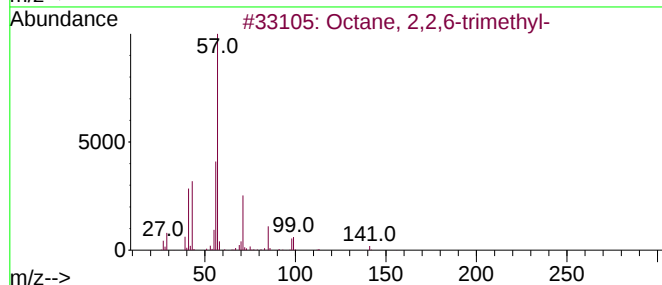
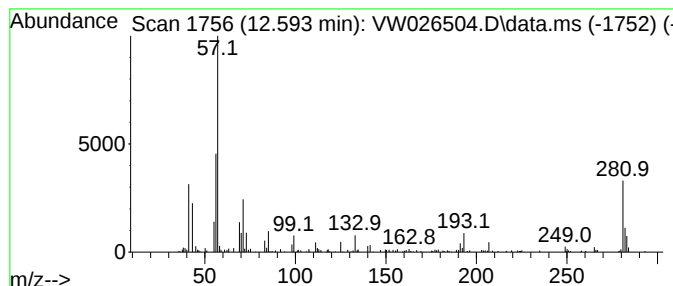
Instrument :
MSVOA_W
ClientSampleId :
A46X5

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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.593	2.43 ug/L	54786	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 2,2,6-trimethyl-		156	C11H24	062016-28-8	50
2	2,2,7,7-Tetramethyloctane		170	C12H26	001071-31-4	38
3	Decane, 2,2,6-trimethyl-		184	C13H28	062237-97-2	38
4	Octane, 2,2-dimethyl-		142	C10H22	015869-87-1	38
5	Methane, isocyanato-		57	C2H3NO	000624-83-9	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

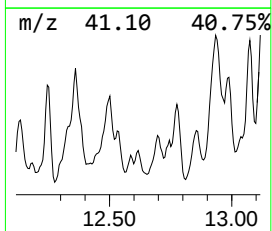
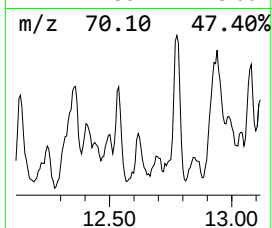
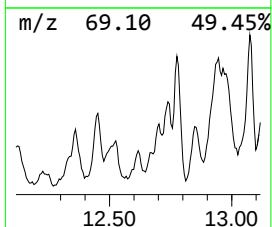
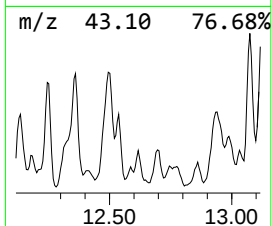
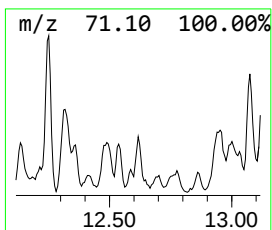
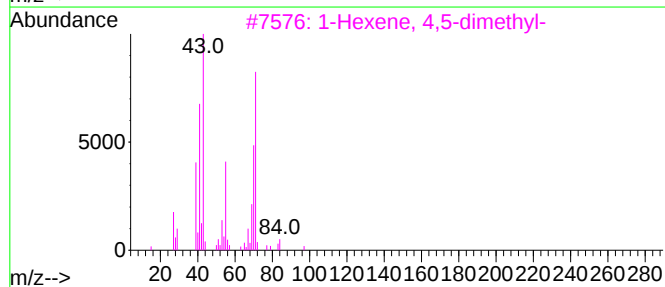
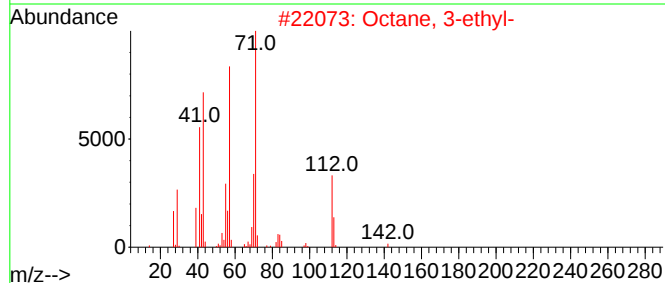
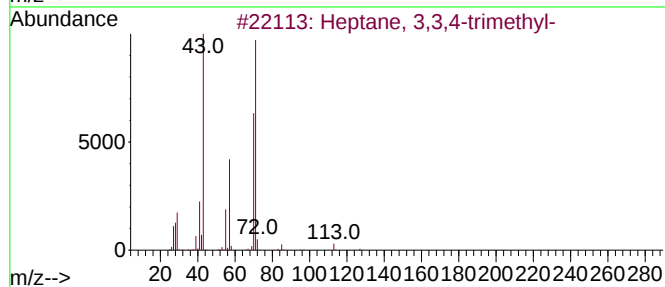
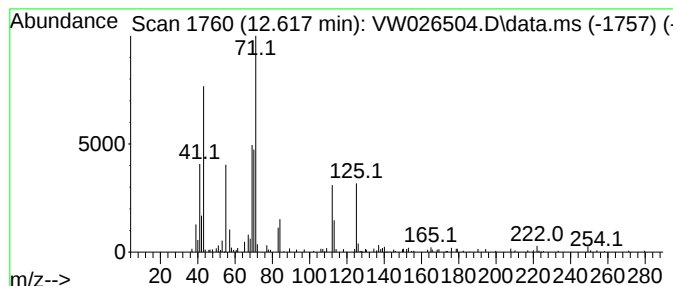
Instrument :
MSVOA_W
ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.617	6.19 ug/L	139288	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 3,3,4-trimethyl-		142	C10H22	020278-87-9	50
2	Octane, 3-ethyl-		142	C10H22	005881-17-4	50
3	1-Hexene, 4,5-dimethyl-		112	C8H16	016106-59-5	50
4	Pentane-2-sulfonamide		151	C5H13NO2S	017854-62-5	47
5	./-.-Tetrahydro-3-furanmethanol		102	C5H10O2	015833-61-1	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

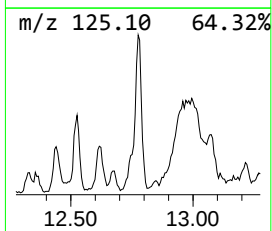
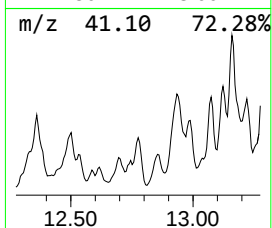
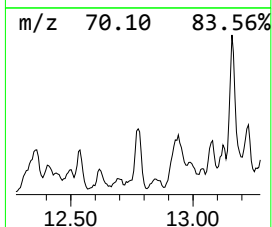
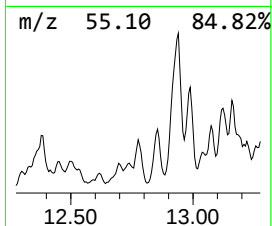
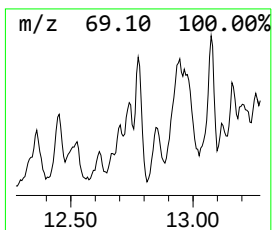
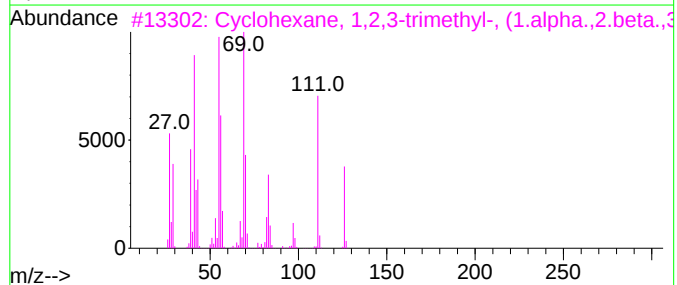
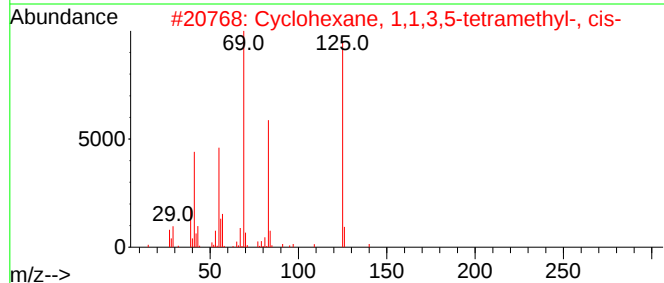
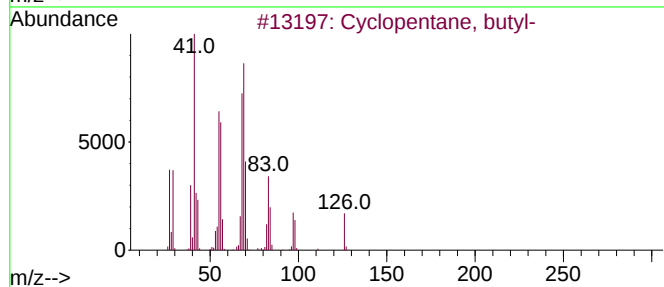
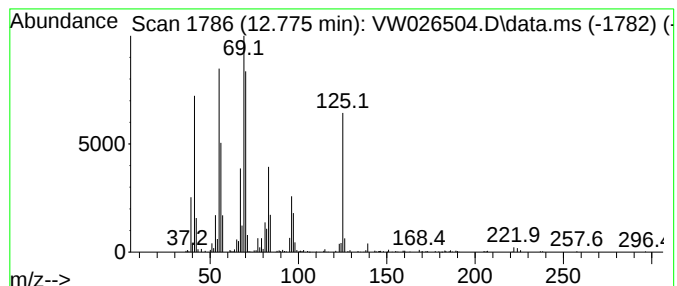
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Cyclic12.775 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.775	18.90 ug/L	425722	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, butyl-	126	C9H18	002040-95-1	49
2			Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	43
3			Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	38
4			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	38
5			trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

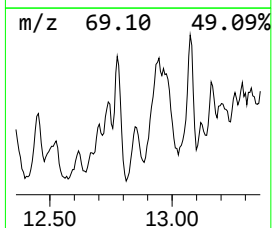
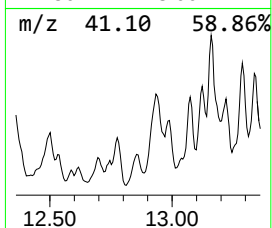
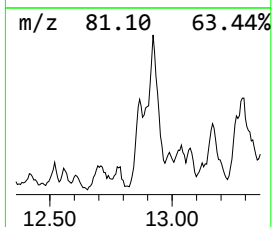
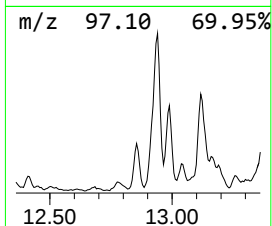
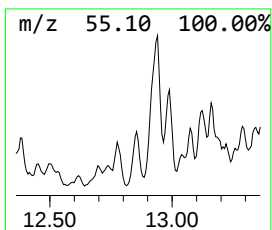
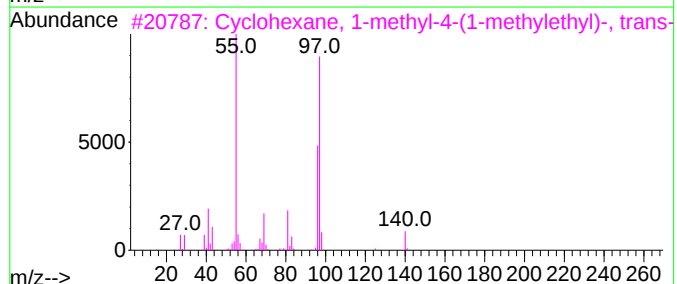
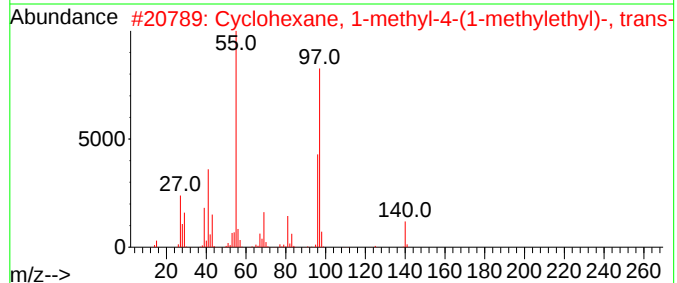
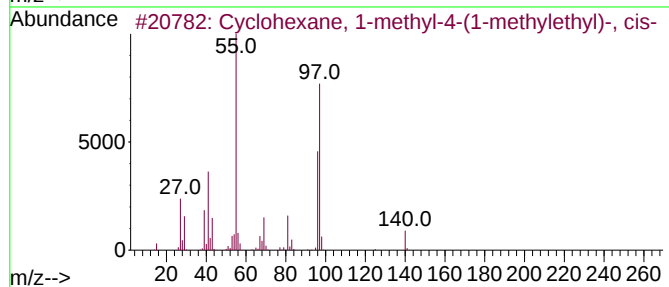
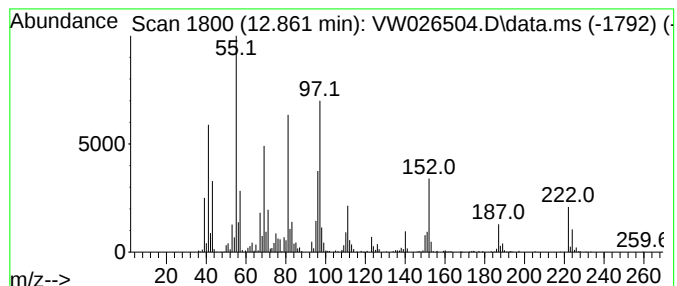
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Cyclic12.861 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.861	22.81 ug/L	513732	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...		140	C10H20	006069-98-3	30
2	Cyclohexane, 1-methyl-4-(1-methy...		140	C10H20	001678-82-6	30
3	Cyclohexane, 1-methyl-4-(1-methy...		140	C10H20	001678-82-6	30
4	Cyclohexane, 1-methyl-4-(1-methy...		140	C10H20	006069-98-3	30
5	m-Menthane, (1S,3R)-(+)-		140	C10H20	013837-66-6	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

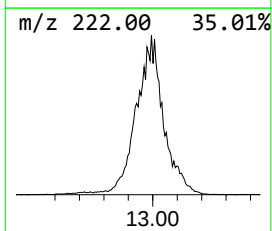
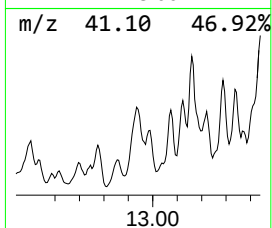
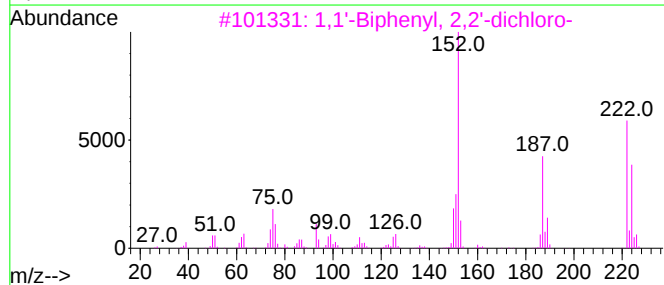
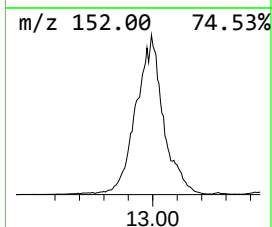
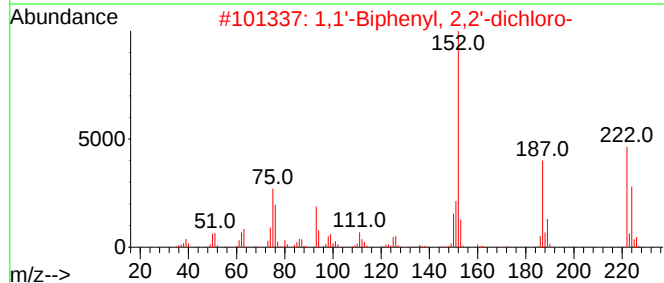
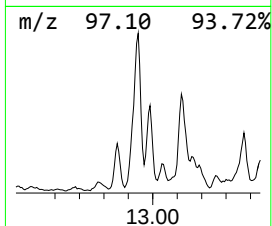
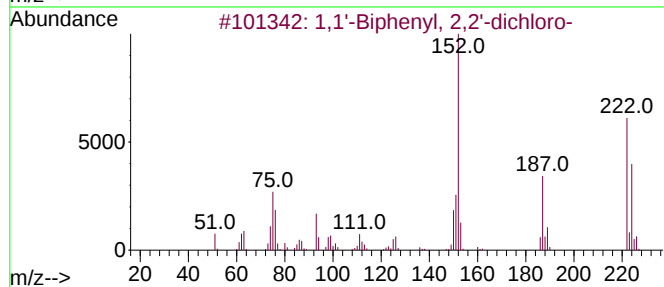
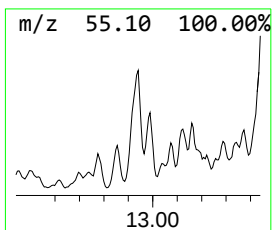
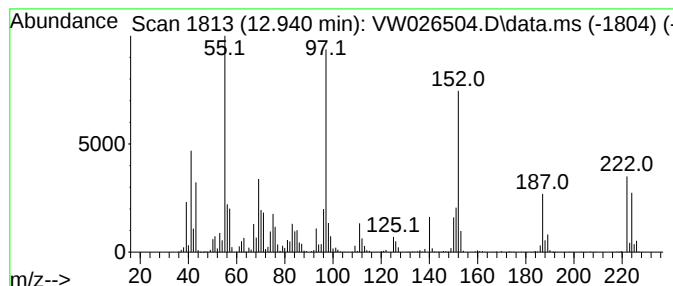
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Quant Title : SFAM01.0

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

Peak Number 16 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.940	100.05 ug/L	2253140	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	95	
2	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	95	
3	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	92	
4	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	89	
5	1,1'-Biphenyl, 3,4-dichloro-	222	C12H8Cl2	002974-92-7	70	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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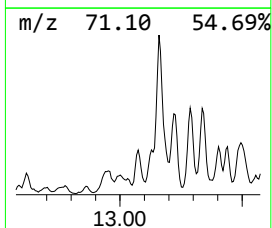
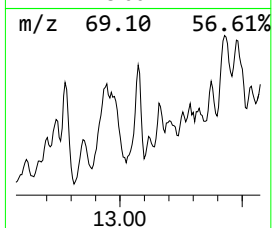
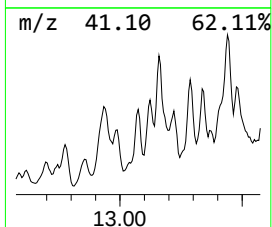
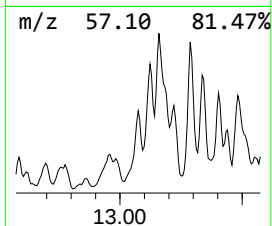
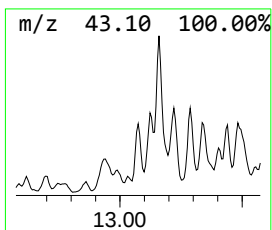
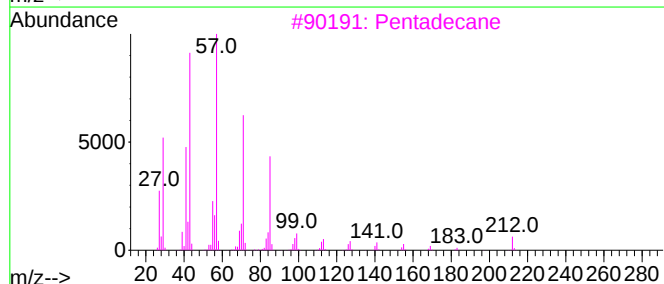
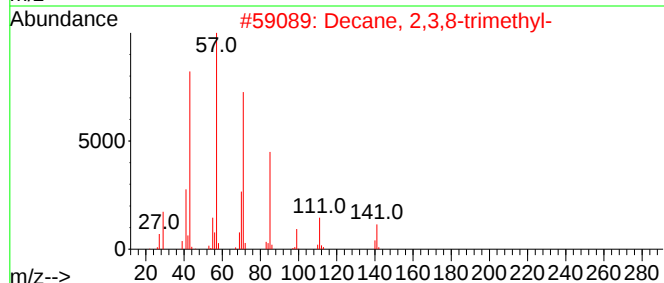
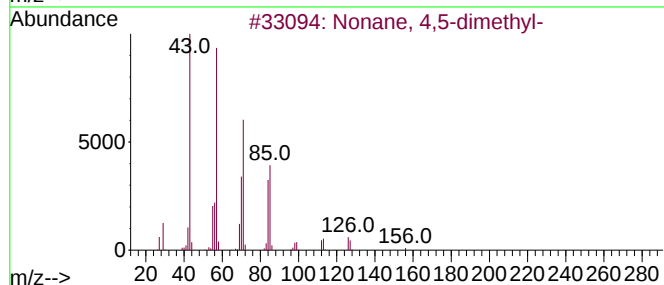
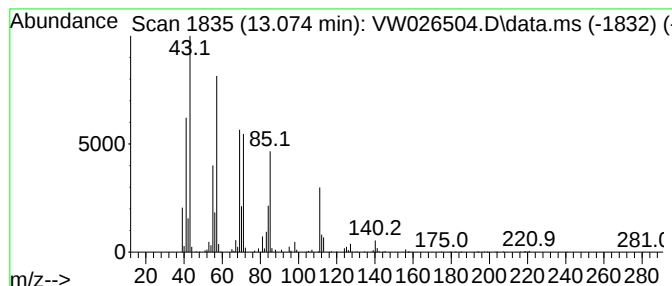
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Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.074	17.39 ug/L	391683	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	68
2		Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	59
3		Pentadecane	212	C15H32	000629-62-9	53
4		Dodecane, 2-methyl-	184	C13H28	001560-97-0	50
5		2,6-Dimethyldecane	170	C12H26	013150-81-7	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

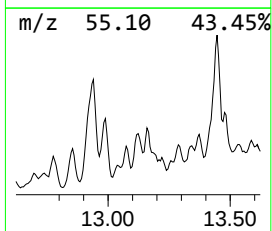
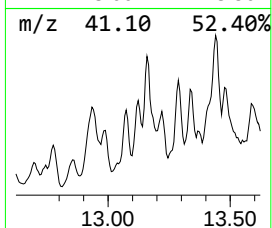
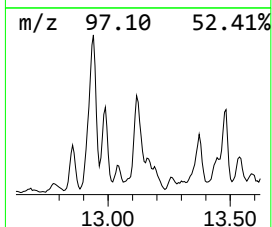
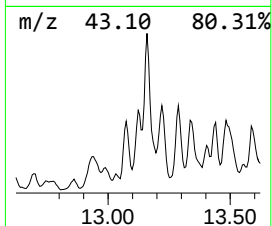
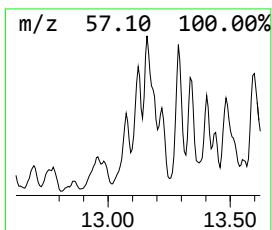
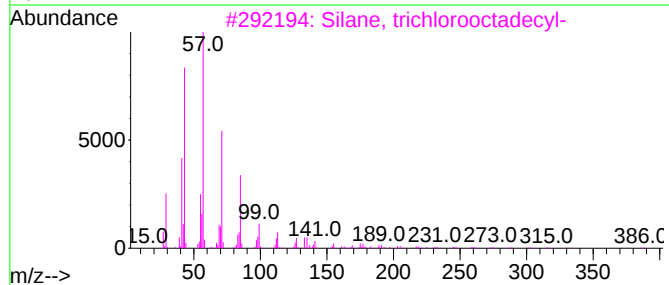
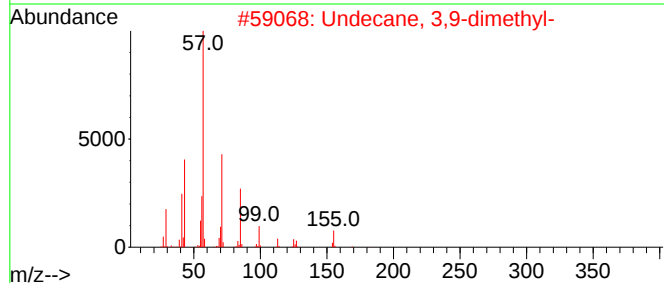
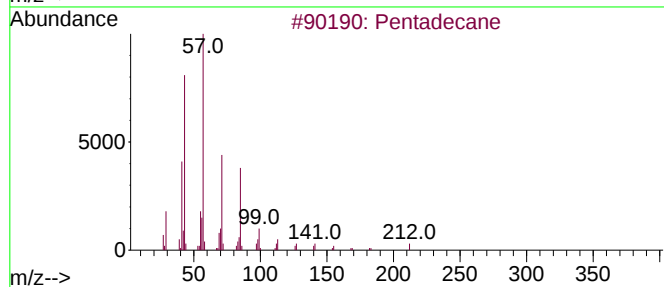
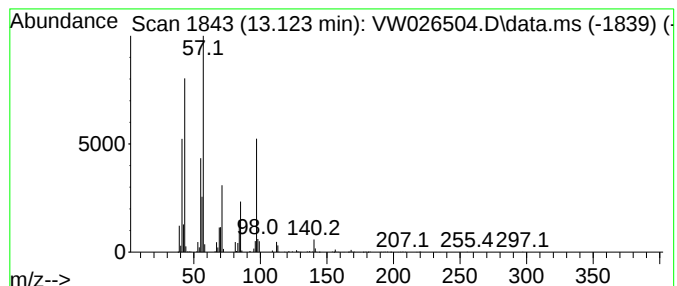
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.123	15.72 ug/L	354065	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Pentadecane		212	C15H32	000629-62-9	43
2	Undecane, 3,9-dimethyl-		184	C13H28	017301-31-4	43
3	Silane, trichlorooctadecyl-		386	C18H37Cl3Si	000112-04-9	38
4	Decane, 5-methyl-		156	C11H24	013151-35-4	38
5	Undecane, 3-methyl-		170	C12H26	001002-43-3	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

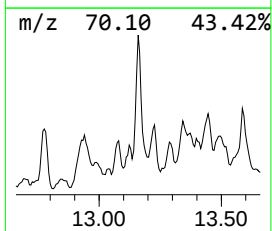
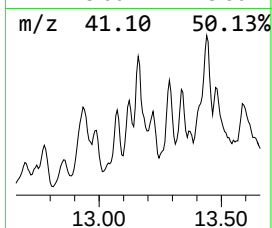
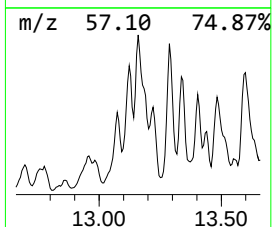
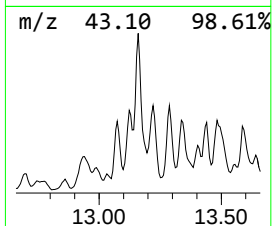
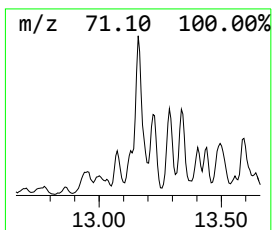
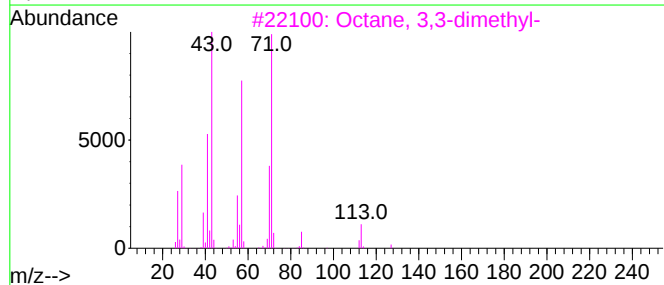
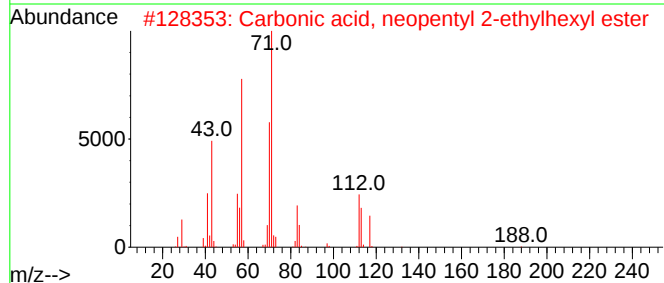
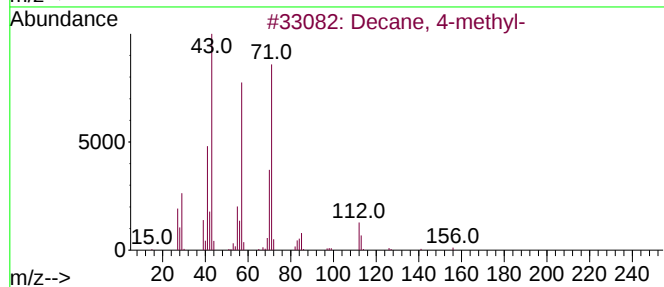
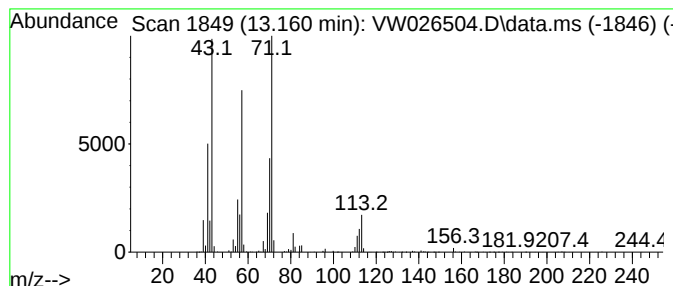
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.160	29.74 ug/L	669666	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-		156	C11H24	002847-72-5	86
2	Carbonic acid, neopentyl 2-ethyl...		244	C14H28O3	1000357-85-7	72
3	Octane, 3,3-dimethyl-		142	C10H22	004110-44-5	72
4	n-Amyl ether		158	C10H22O	000693-65-2	59
5	Oxalic acid, hexyl neopentyl ester		244	C13H24O4	1000309-73-1	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

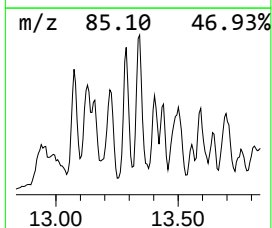
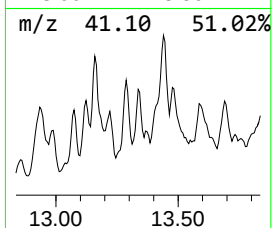
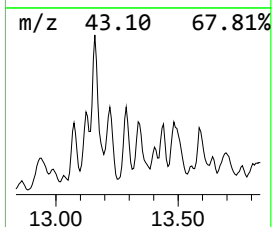
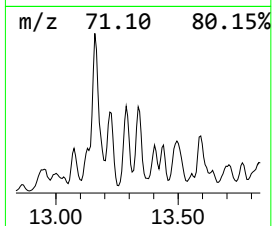
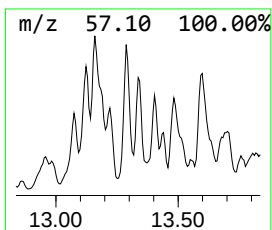
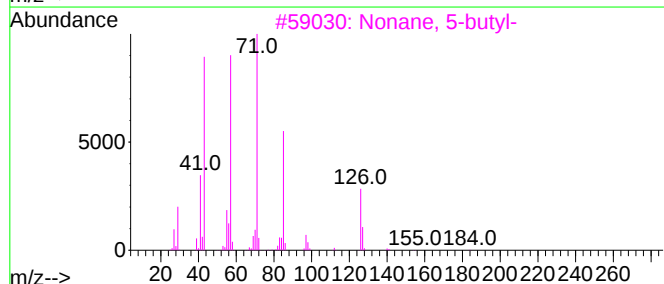
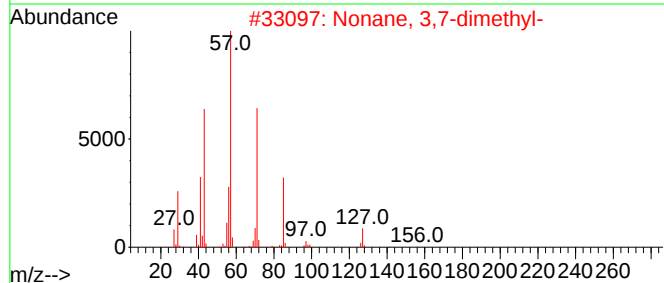
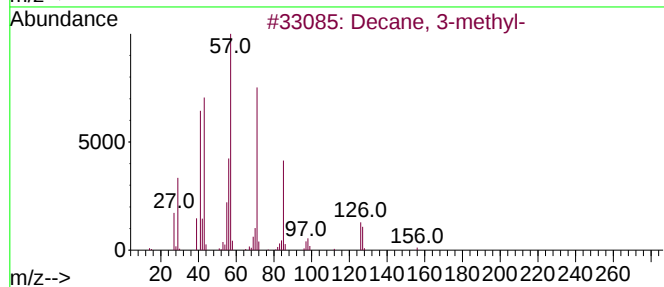
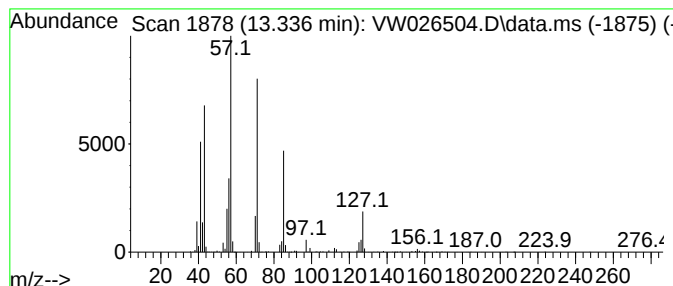
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.336	15.74 ug/L	354506	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-		156	C11H24	013151-34-3	94
2	Nonane, 3,7-dimethyl-		156	C11H24	017302-32-8	86
3	Nonane, 5-butyl-		184	C13H28	017312-63-9	83
4	Undecane, 5-ethyl-		184	C13H28	017453-94-0	72
5	Decane, 3-methyl-		156	C11H24	013151-34-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

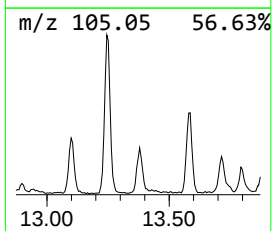
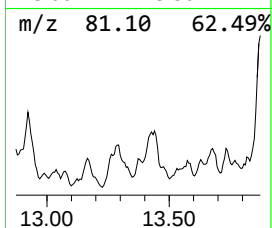
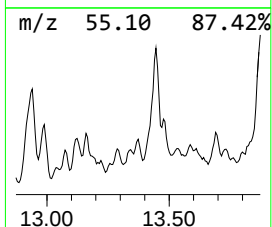
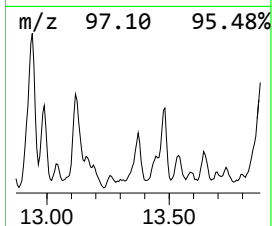
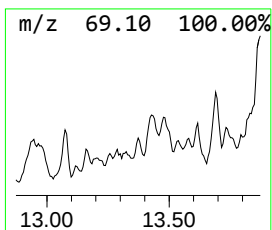
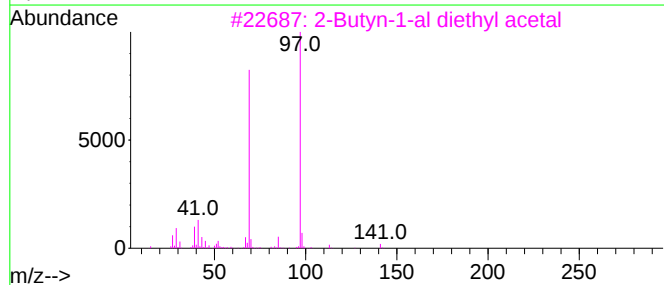
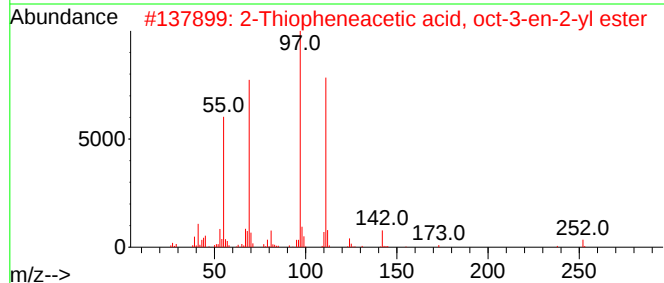
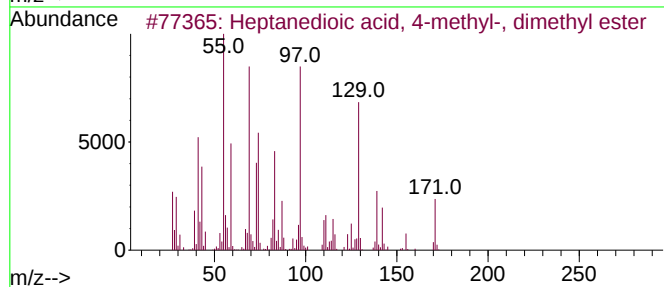
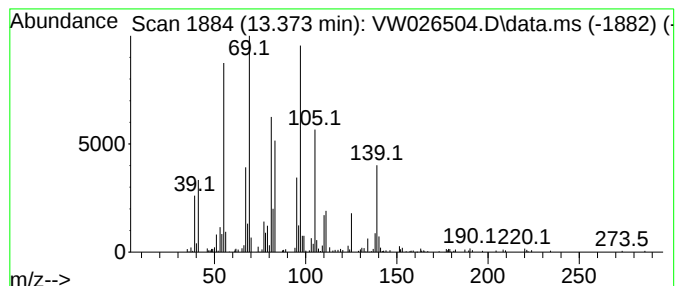
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Quant Title : SFAM01.0

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

Peak Number 21 Heptanedioic acid, 4-methyl... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.373	4.28 ug/L	96302	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptanedioic acid, 4-methyl-, di...	202	C10H18O4	004751-49-9	59
2			2-Thiopheneacetic acid, oct-3-en...	252	C14H20O2S	1010299-38-6	38
3			2-Butyn-1-yl diethyl acetal	142	C8H14O2	002806-97-5	38
4			3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	38
5			2(5H)-Furanone, 5,5-dimethyl-	112	C6H8O2	020019-64-1	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

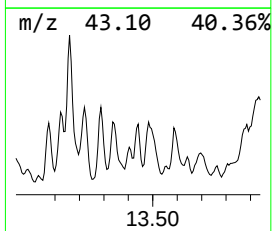
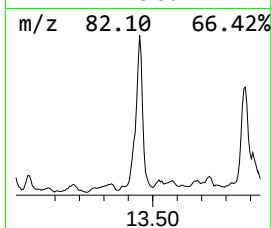
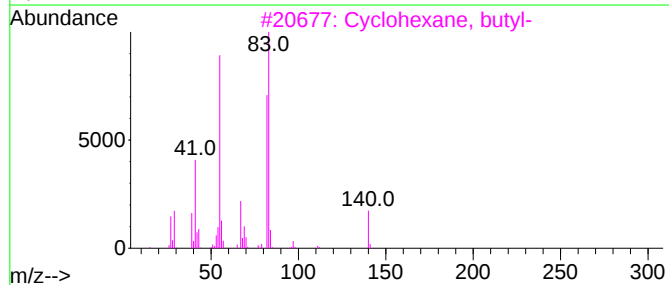
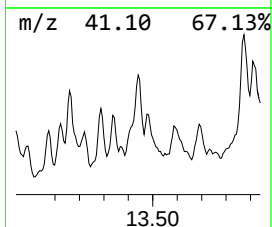
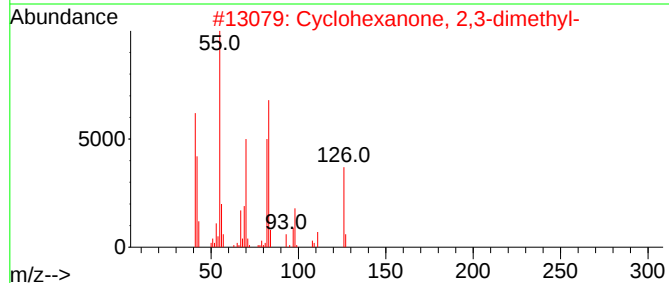
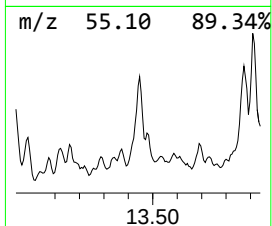
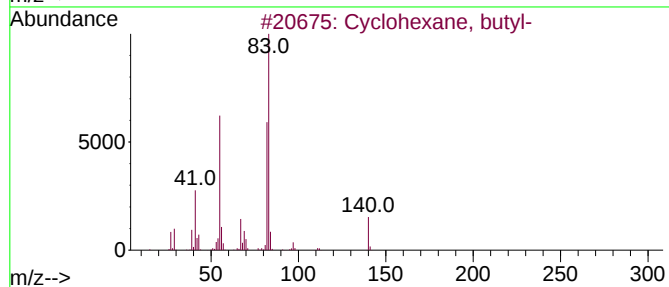
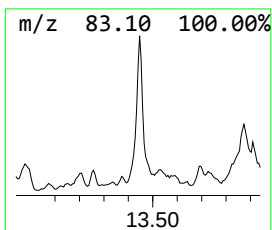
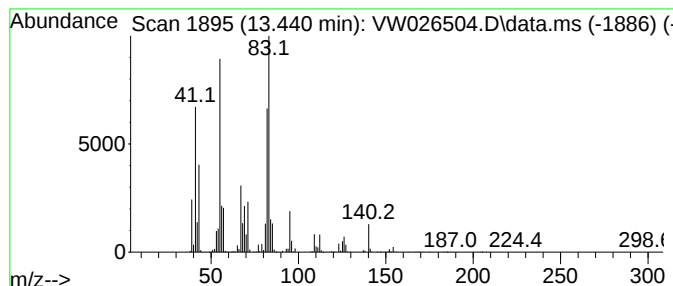
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Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Cyclic13.440 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.440	63.63 ug/L	1432840	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, butyl-	140	C10H20	001678-93-9	59
2			Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	58
3			Cyclohexane, butyl-	140	C10H20	001678-93-9	58
4			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	58
5			Cyclohexane, butyl-	140	C10H20	001678-93-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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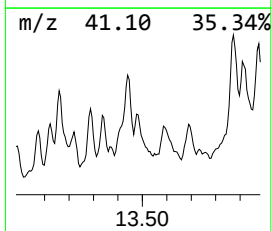
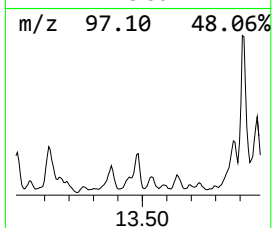
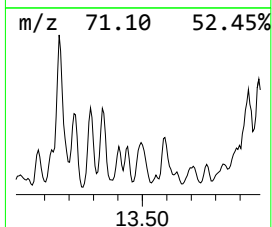
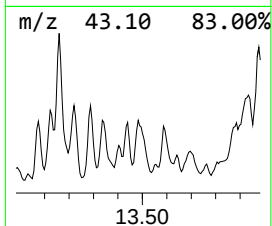
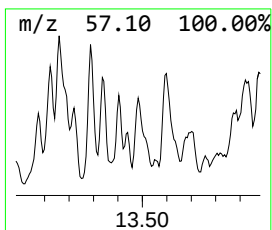
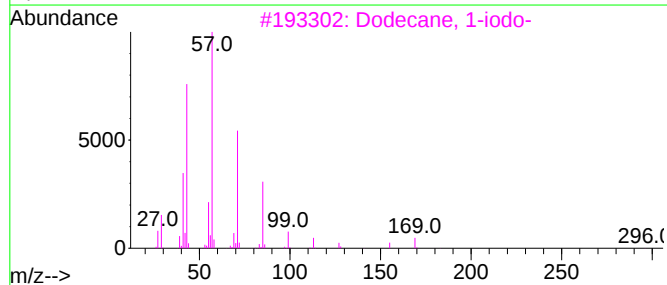
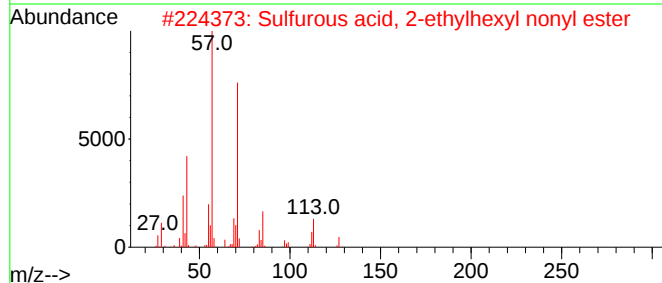
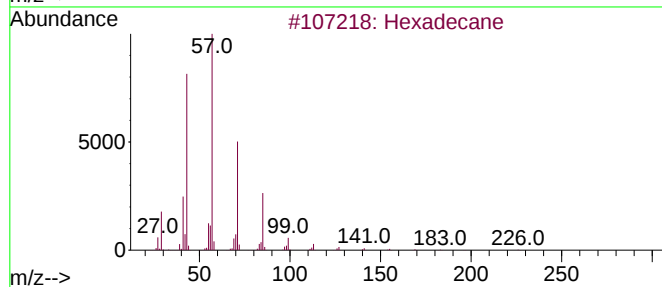
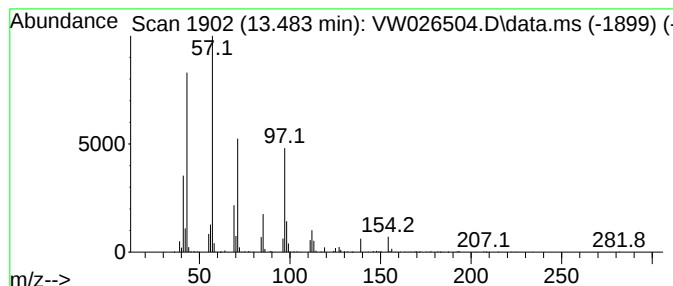
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Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.483	23.00 ug/L	517977	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	45
2			Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	43
3			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	38
4			Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	35
5			Octane, 2-bromo-	192	C8H17Br	000557-35-7	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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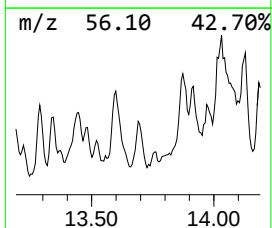
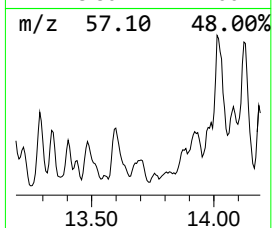
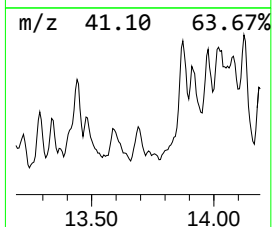
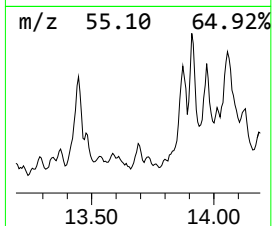
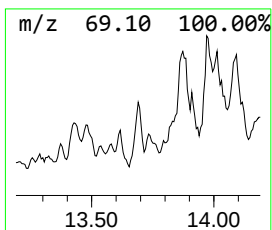
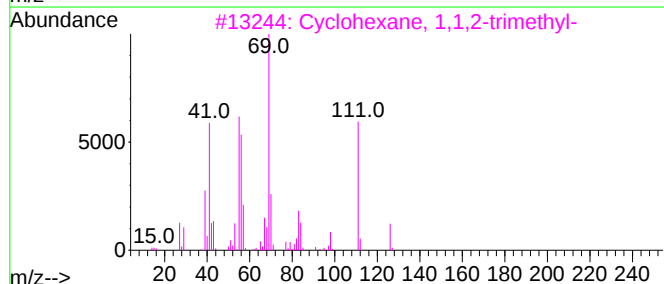
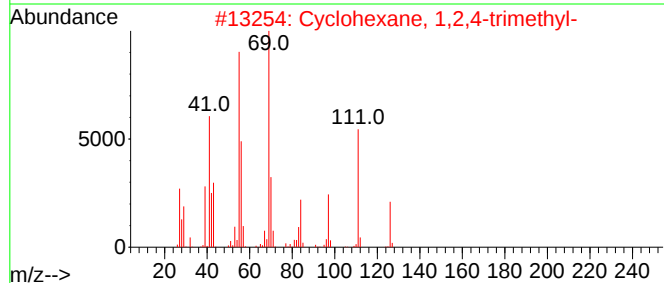
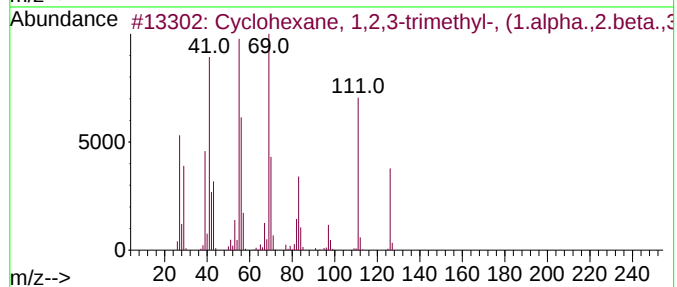
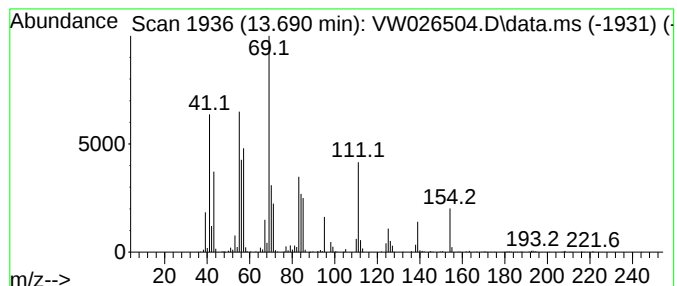
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Quant Title : SFAM01.0

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

Peak Number 24 (DEL) Alkane: Cyclic13.690 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.690	24.40 ug/L	549524	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	64
2			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	64
3			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	58
4			Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	52
5			2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

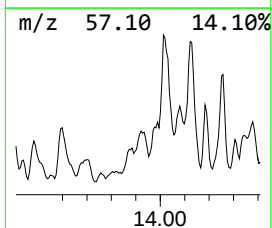
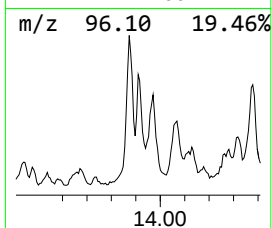
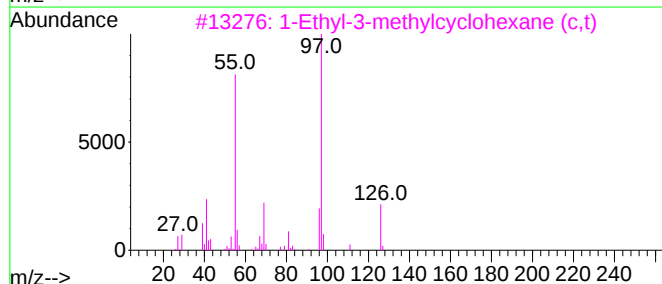
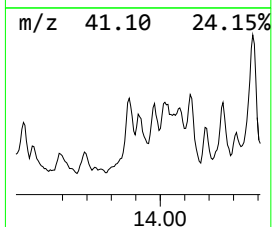
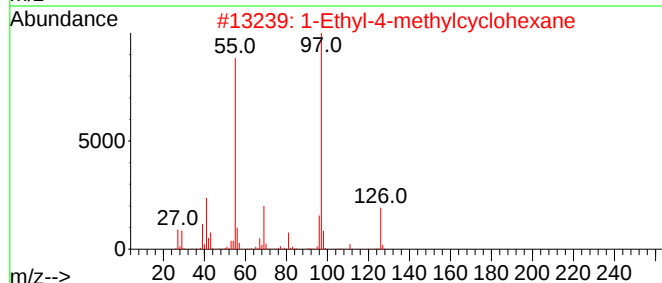
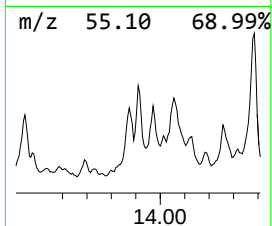
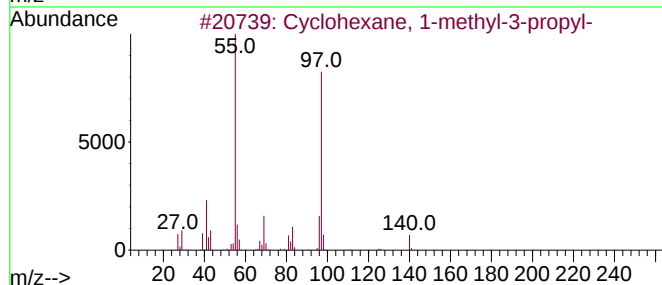
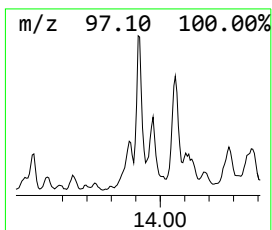
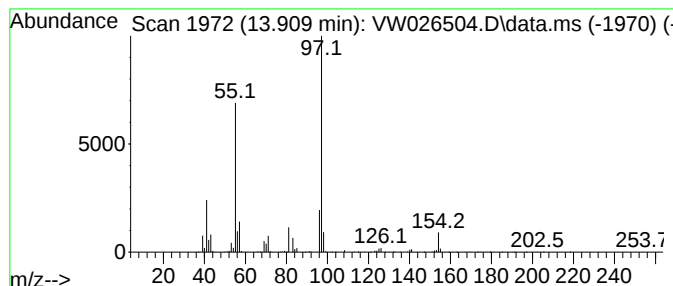
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Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Cyclic13.909 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.909	28.90 ug/L	650783	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	72
2			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72
3			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	72
4			Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	72
5			Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

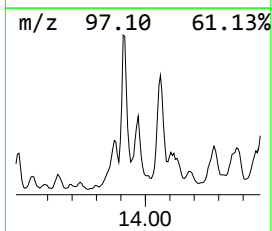
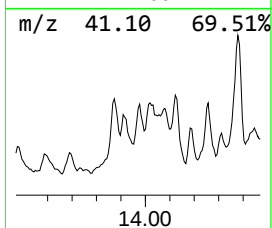
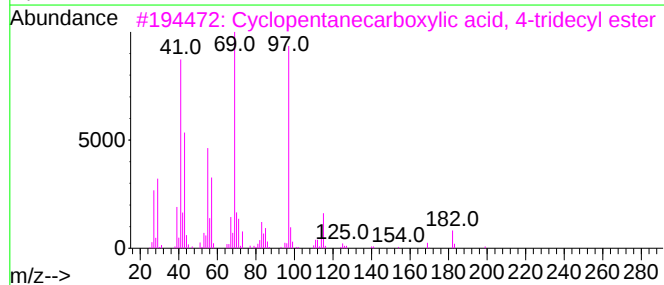
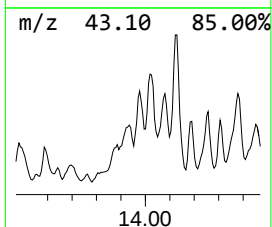
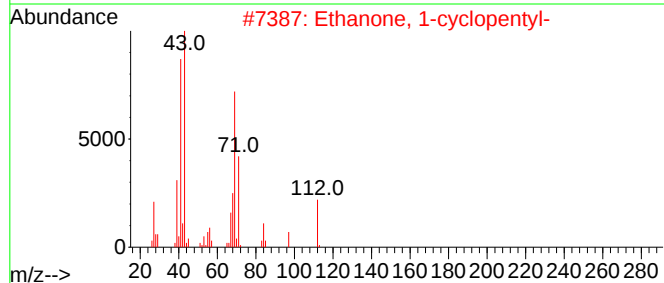
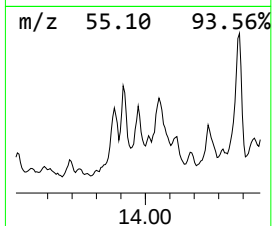
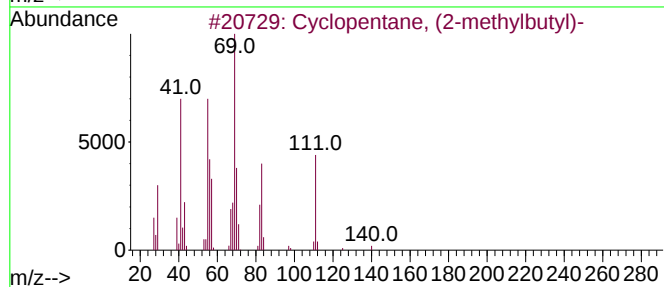
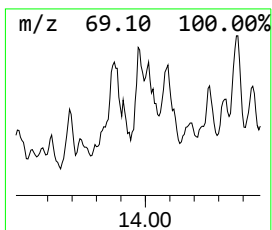
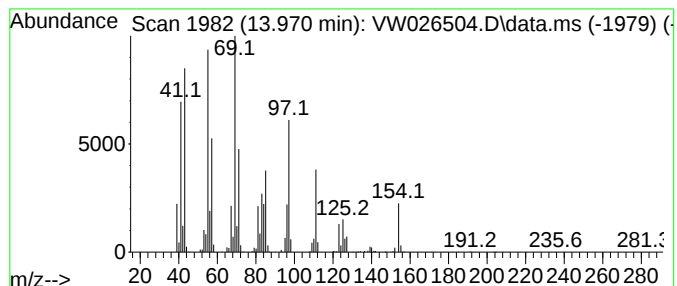
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Quant Title : SFAM01.0

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

Peak Number 26 (DEL) Alkane: Cyclic13.970 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.970	38.79 ug/L	873537	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	38
2			Ethanone, 1-cyclopentyl-	112	C7H12O	006004-60-0	35
3			Cyclopentanecarboxylic acid, 4-t...	296	C19H36O2	1000280-58-6	35
4			Cyclooctanemethanol	142	C9H18O	003637-63-6	27
5			Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

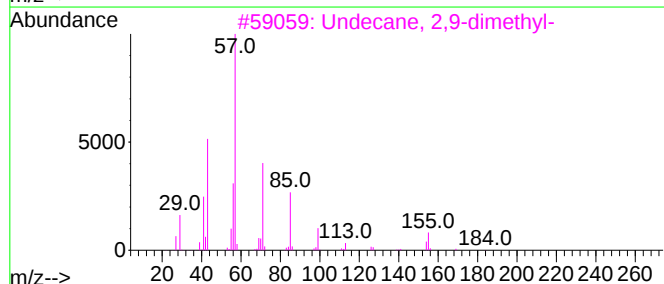
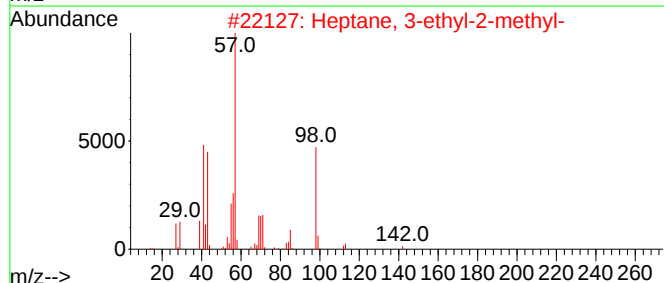
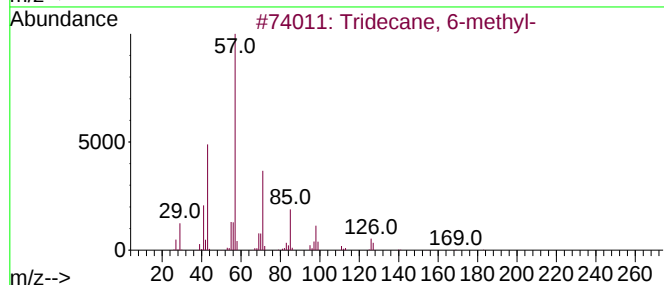
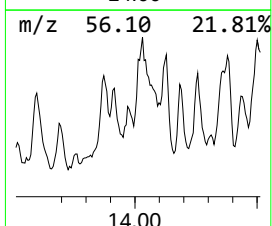
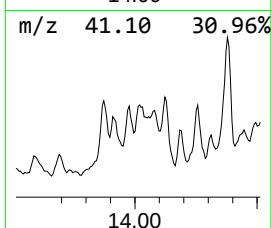
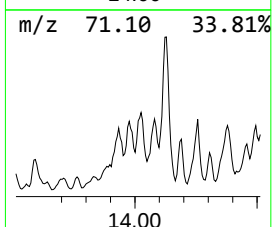
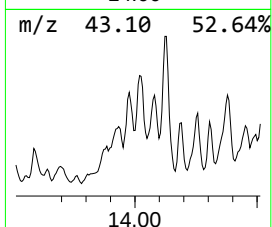
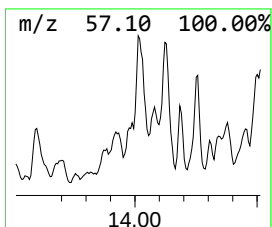
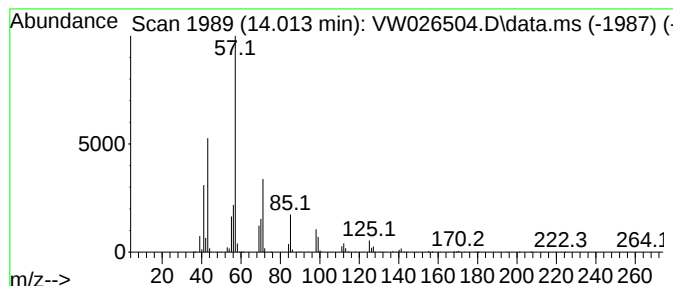
Instrument :
MSVOA_W
ClientSampleId :
A46X5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.013	15.65 ug/L	352406	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-		198	C14H30	013287-21-3	72
2	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	59
3	Undecane, 2,9-dimethyl-		184	C13H28	017301-26-7	53
4	Dodecane, 3-methyl-		184	C13H28	017312-57-1	53
5	Tridecane, 4,8-dimethyl-		212	C15H32	055030-62-1	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

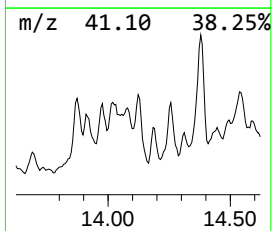
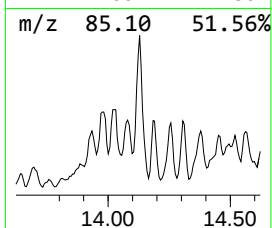
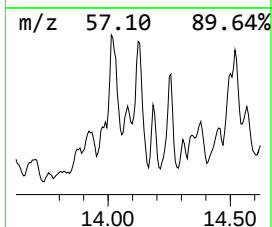
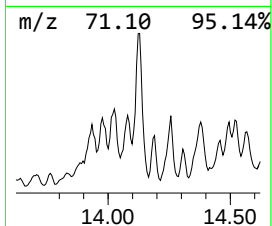
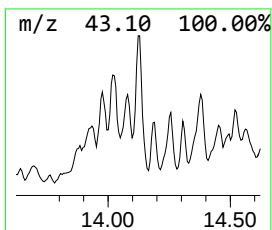
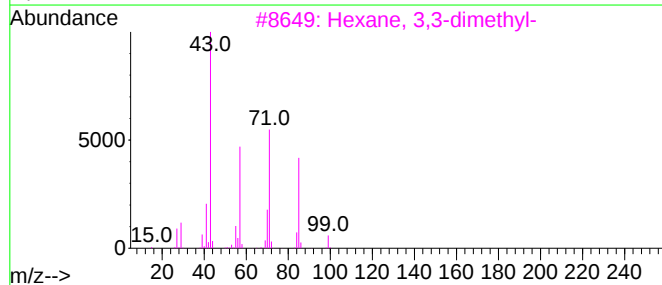
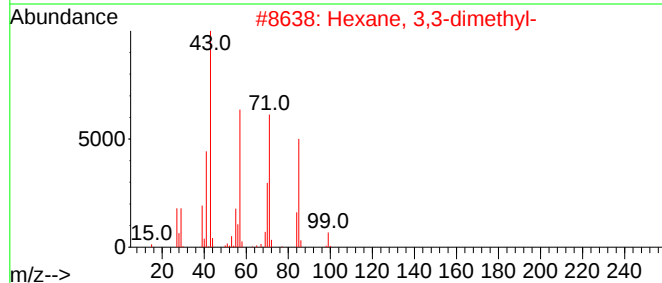
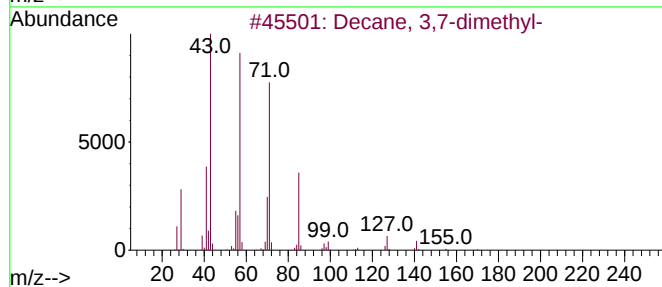
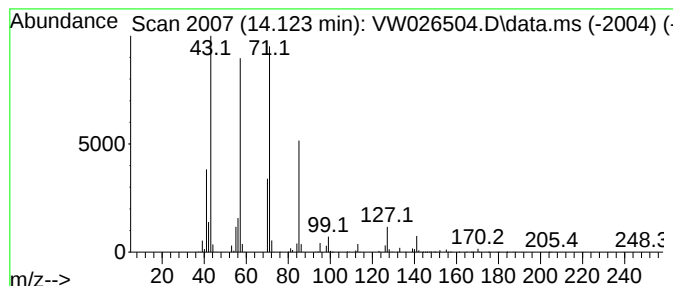
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Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.123	70.25 ug/L	1582020	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	91
2			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	72
3			Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	72
4			Undecane, 4-methyl-	170	C12H26	002980-69-0	68
5			Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

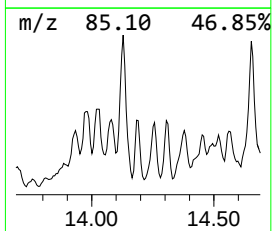
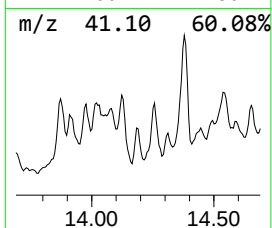
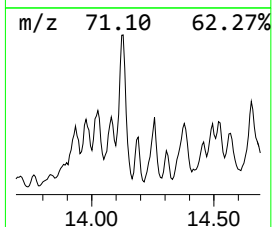
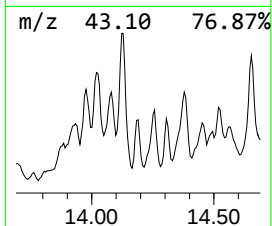
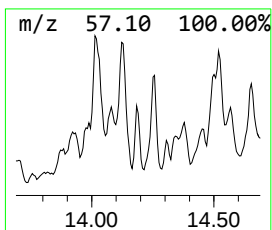
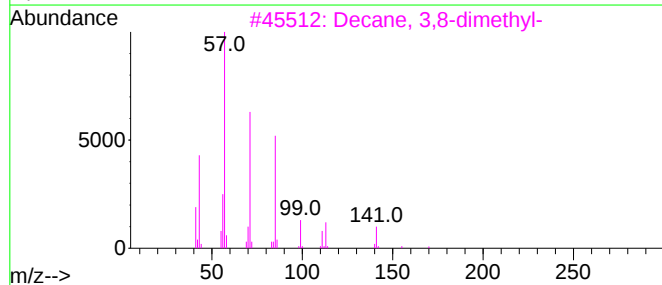
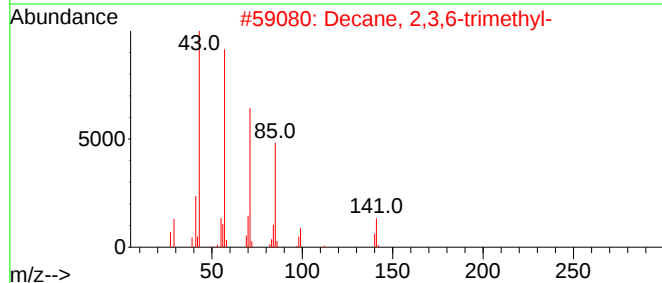
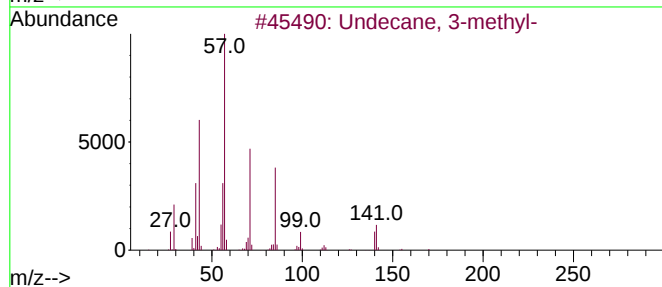
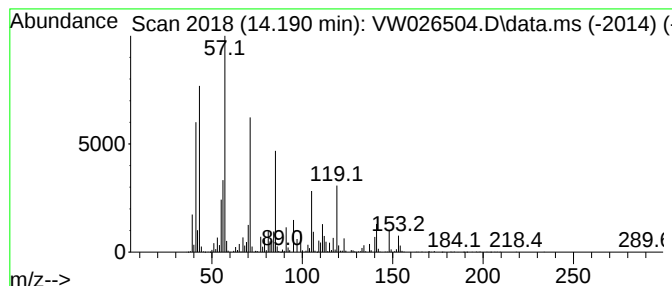
Instrument :
MSVOA_W
ClientSampleId :
A46X5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.190	36.05 ug/L	811857	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-		170	C12H26	001002-43-3	49
2	Decane, 2,3,6-trimethyl-		184	C13H28	062238-12-4	46
3	Decane, 3,8-dimethyl-		170	C12H26	017312-55-9	46
4	Decane, 2,3,7-trimethyl-		184	C13H28	062238-13-5	46
5	Tetradecane, 1-iodo-		324	C14H29I	019218-94-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

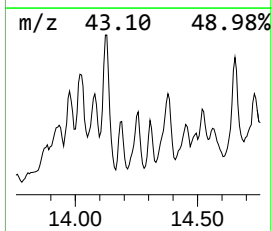
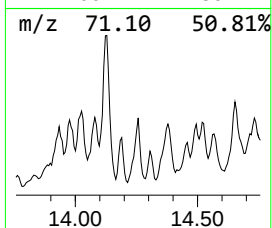
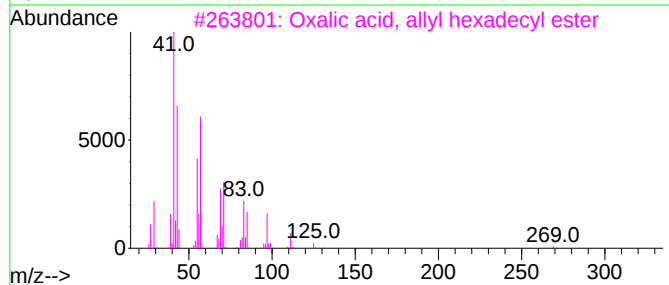
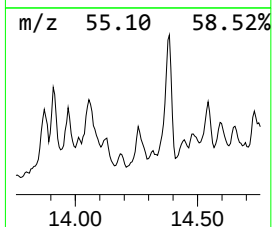
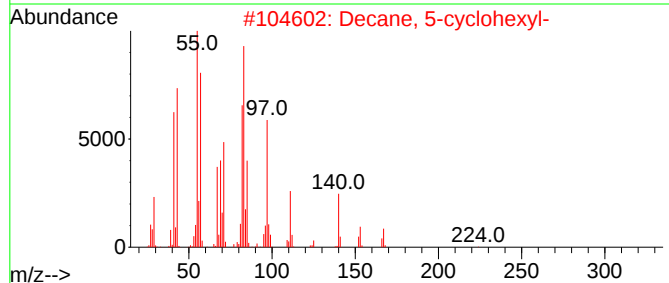
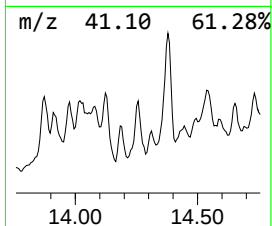
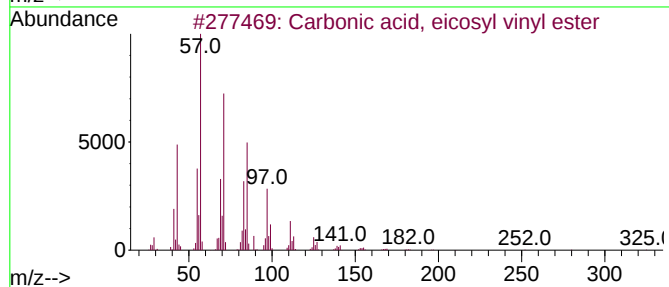
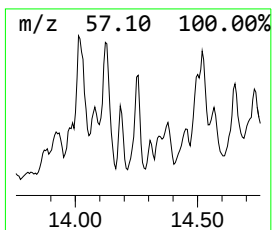
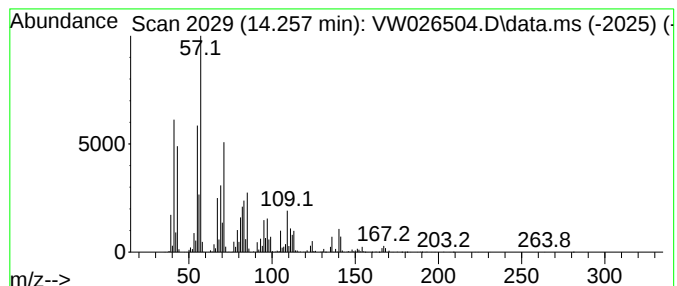
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Quant Title : SFAM01.0

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

Peak Number 30 unknown-01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.257	50.78 ug/L	1143440	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	49
2			Decane, 5-cyclohexyl-	224	C16H32	013151-76-3	45
3			Oxalic acid, allyl hexadecyl ester	354	C21H38O4	1000309-24-4	43
4			Tetratetracontane	619	C44H90	007098-22-8	43
5			Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

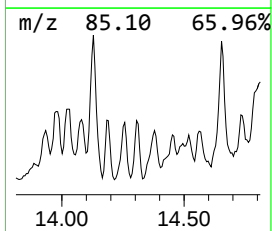
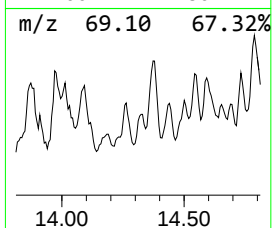
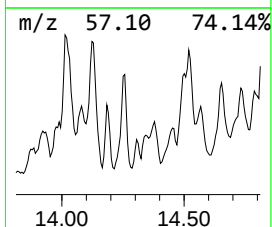
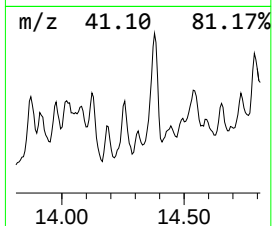
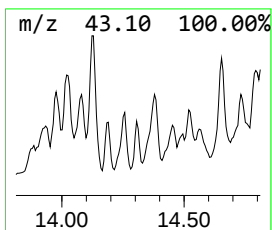
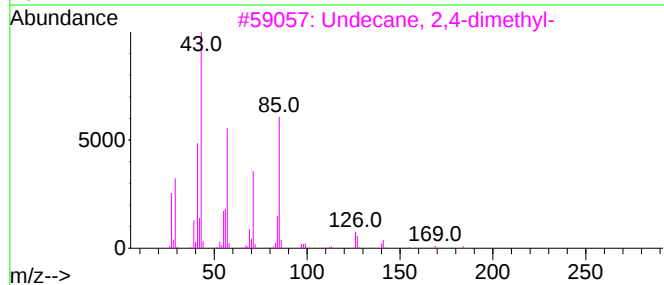
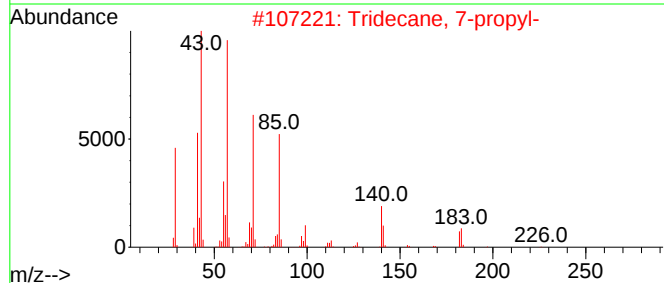
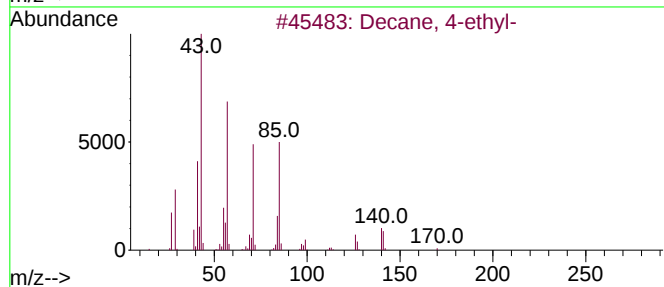
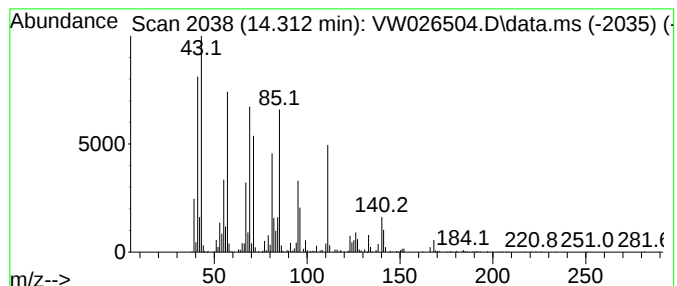
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Quant Title : SFAM01.0

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

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.312	16.13 ug/L	363174	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 4-ethyl-	170	C12H26	001636-44-8	43
2		Tridecane, 7-propyl-	226	C16H34	055045-09-5	38
3		Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	30
4		Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	006069-97-2	25
5		Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

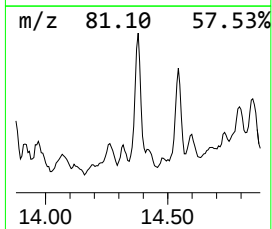
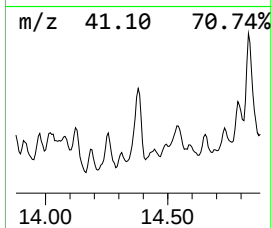
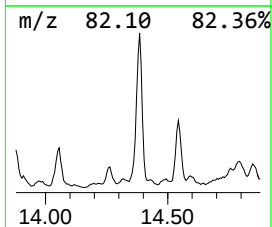
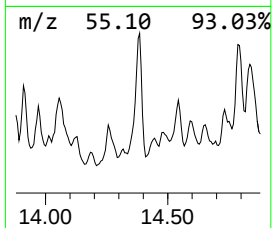
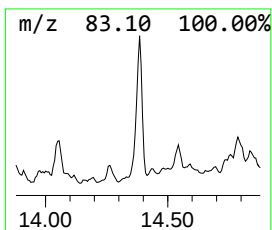
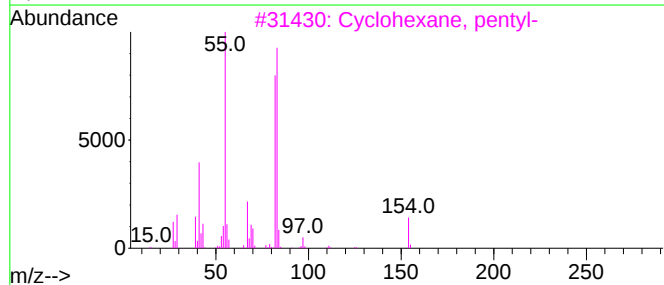
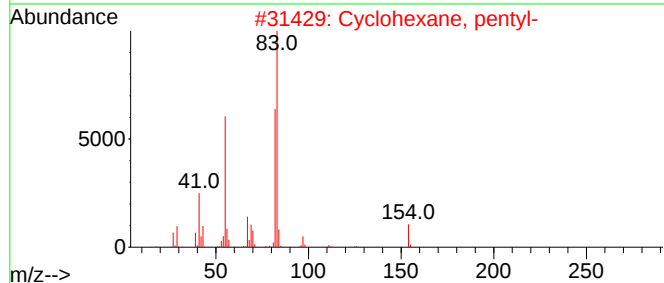
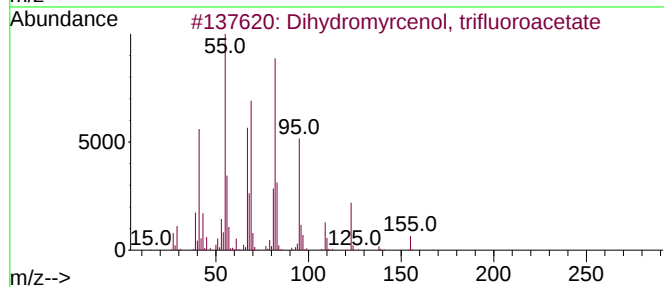
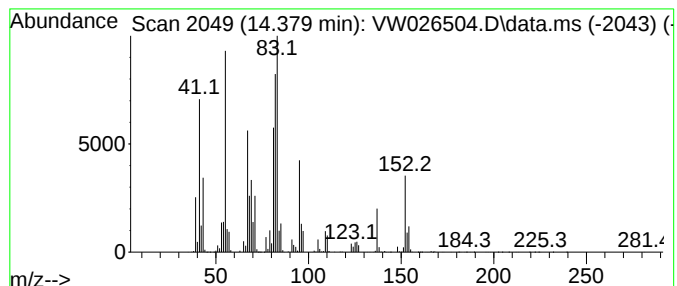
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Quant Title : SFAM01.0

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

Peak Number 32 Dihydromyrcenol, trifluoroa... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.379	130.52 ug/L	2939240	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dihydromyrcenol, trifluoroacetate	252	C12H19F3O2	1000463-72-2	52
2			Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
3			Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
4			Dihydromyrcenol, pentafluoroprop...	302	C13H19F5O2	1000463-72-1	49
5			Cyclohexane, (1-ethylpropyl)-	154	C11H22	026321-98-2	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

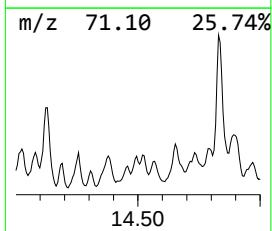
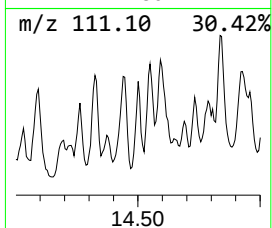
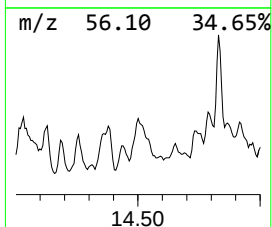
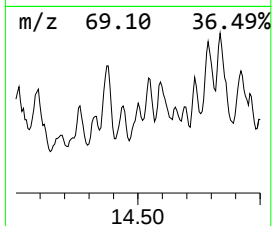
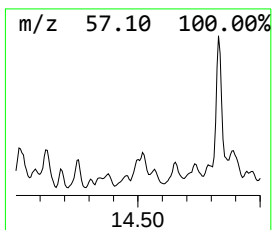
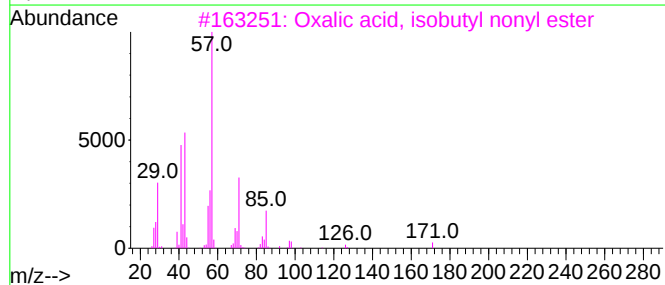
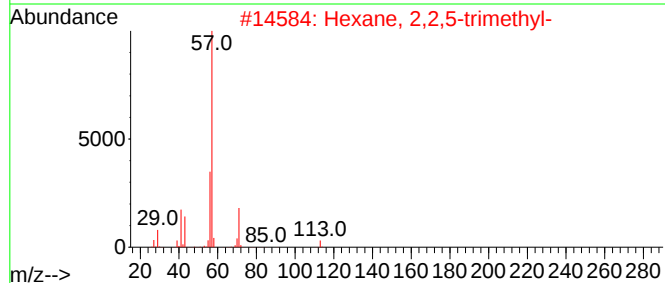
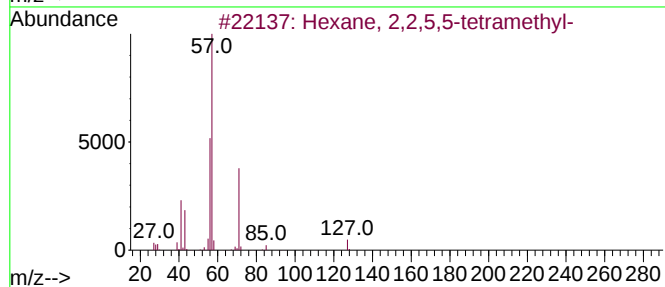
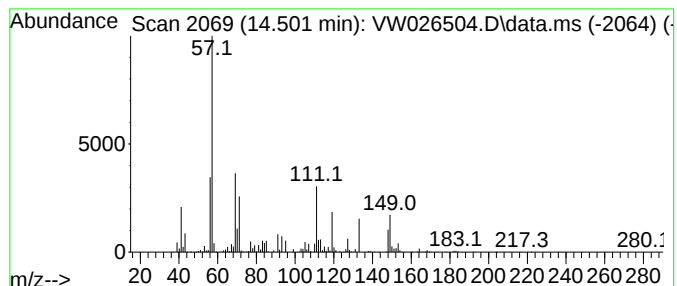
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Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.501	28.22 ug/L	635493	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	32
2			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	25
3			Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1010309-37-4	25
4			Oxalic acid, isobutyl octyl ester	258	C14H26O4	1000309-37-3	22
5			Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	16



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

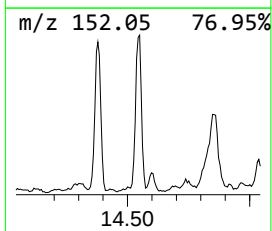
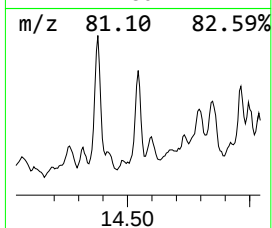
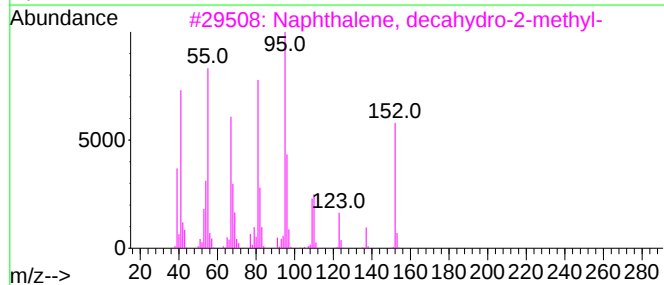
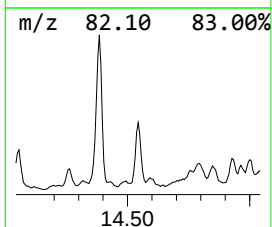
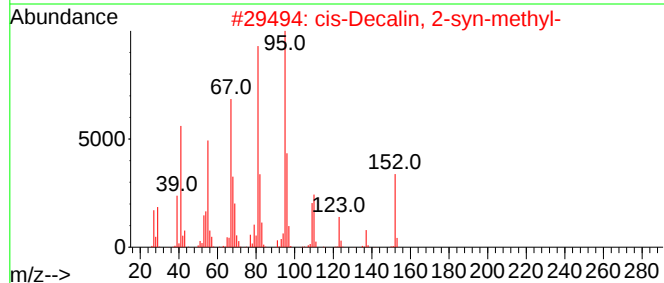
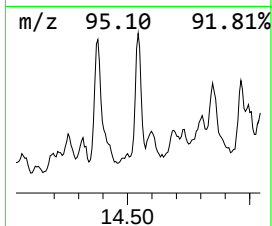
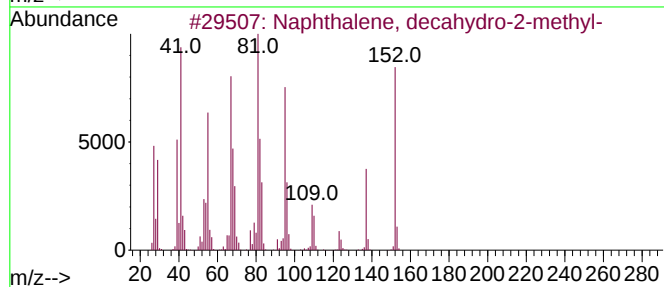
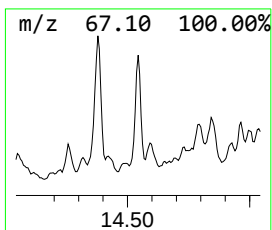
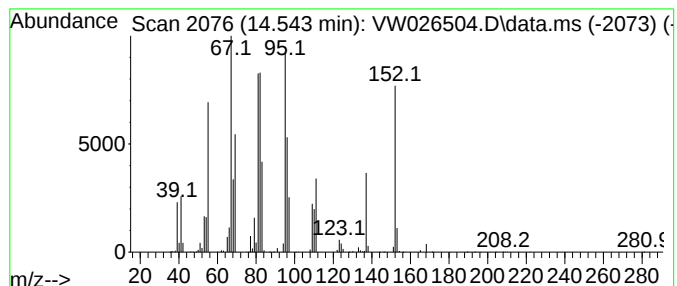
Instrument :
MSVOA_W
ClientSampleId :
A46X5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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

Peak Number 34 Naphthalene, decahydro-2-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.543	56.36 ug/L	1269160	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-		152	C11H20	002958-76-1	76
2	cis-Decalin, 2-syn-methyl-		152	C11H20	1000155-85-6	64
3	Naphthalene, decahydro-2-methyl-		152	C11H20	002958-76-1	62
4	trans-Decalin, 2-methyl-		152	C11H20	1000152-47-3	58
5	trans-4a-Methyl-decahydronaphtha...		152	C11H20	002547-27-5	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

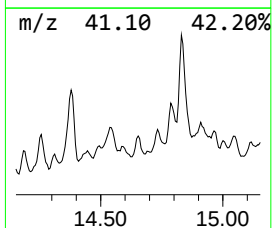
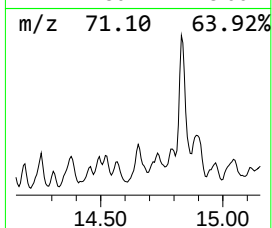
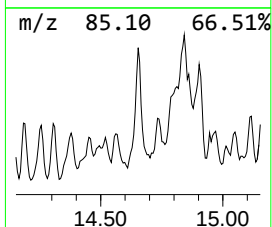
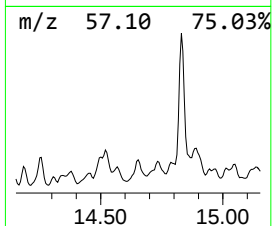
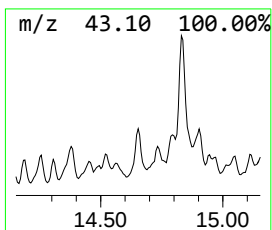
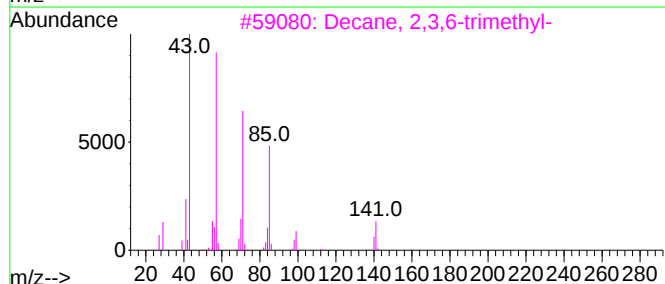
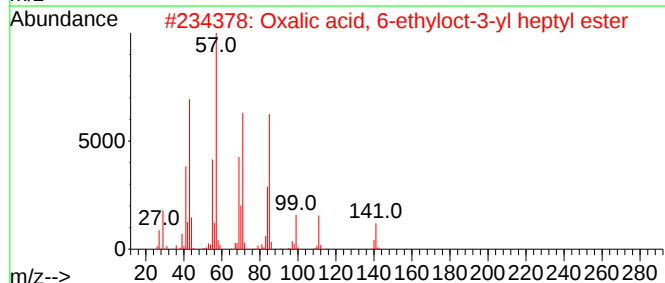
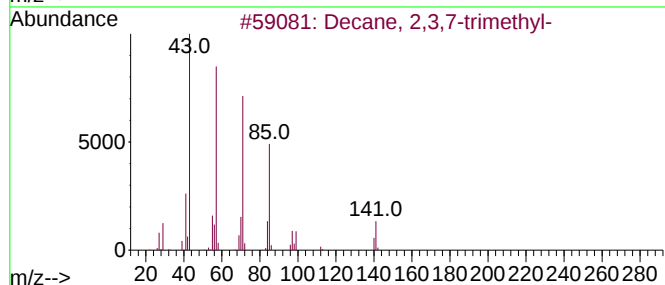
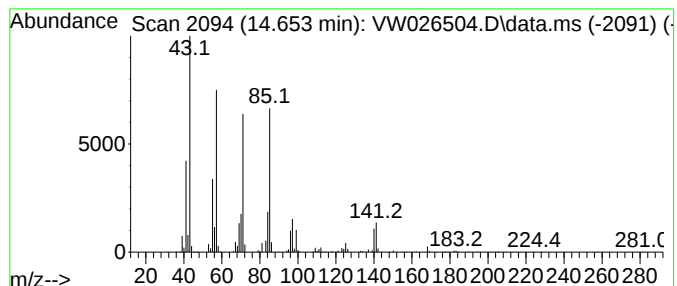
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.653	23.07 ug/L	519555	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 2,3,7-trimethyl-		184	C13H28	062238-13-5	86
2	Oxalic acid, 6-ethyloct-3-yl hep...		328	C19H36O4	1000309-34-5	64
3	Decane, 2,3,6-trimethyl-		184	C13H28	062238-12-4	58
4	5-Ethyldecane		170	C12H26	017302-36-2	50
5	2,4-Dimethyldodecane		198	C14H30	006117-99-3	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

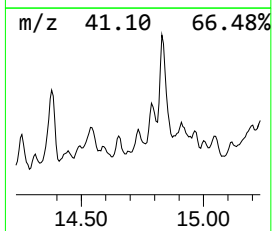
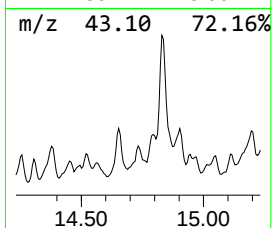
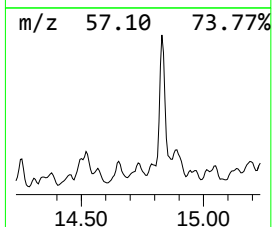
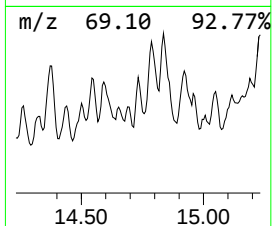
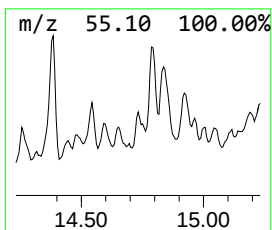
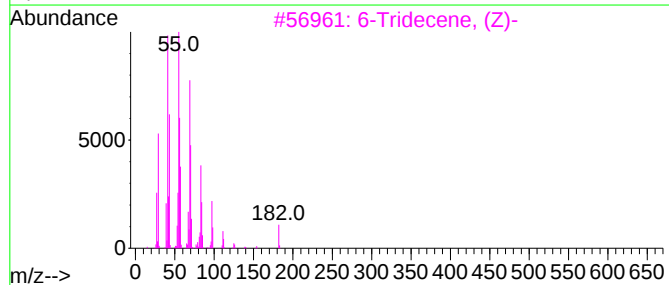
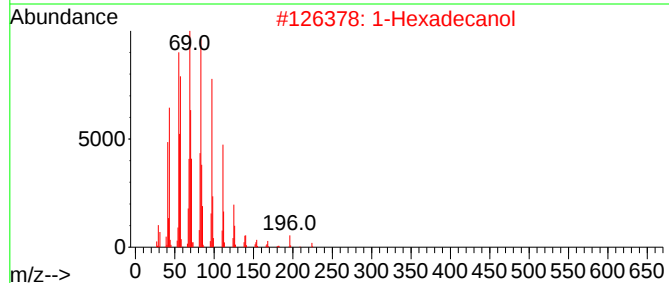
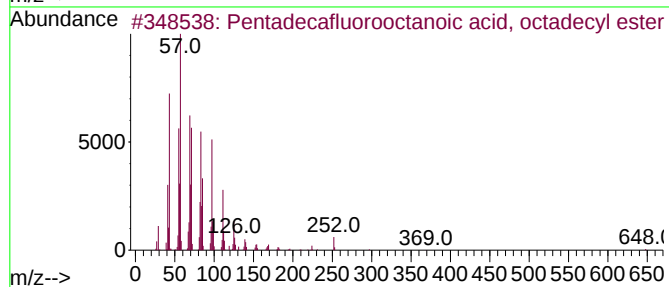
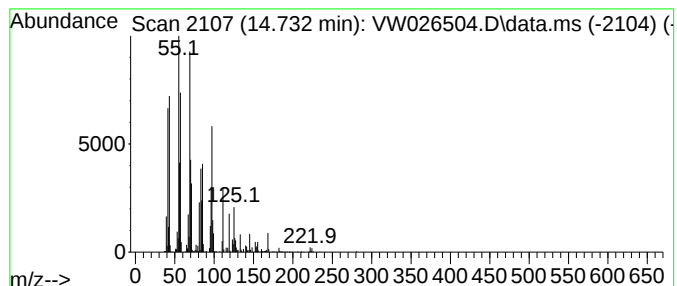
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Quant Title : SFAM01.0

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

Peak Number 36 Pentadecafluorooctanoic aci... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.732	30.91 ug/L	696154	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	80
2			1-Hexadecanol	242	C16H34O	036653-82-4	64
3			6-Tridecene, (Z)-	182	C13H26	006508-77-6	62
4			4-Undecene, 4-methyl-, (Z)-	168	C12H24	074630-57-2	58
5			1-Tricosene	322	C23H46	018835-32-0	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

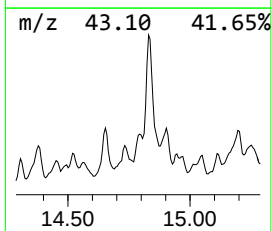
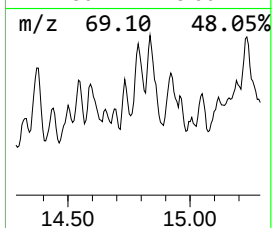
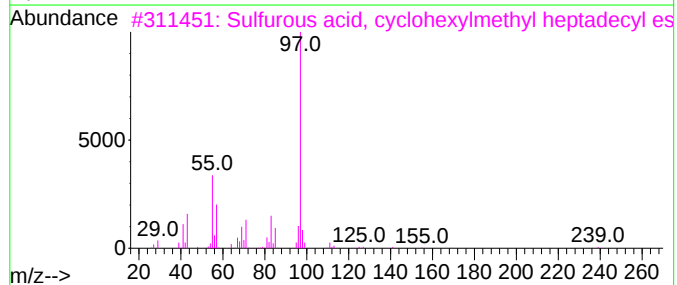
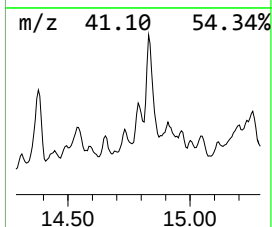
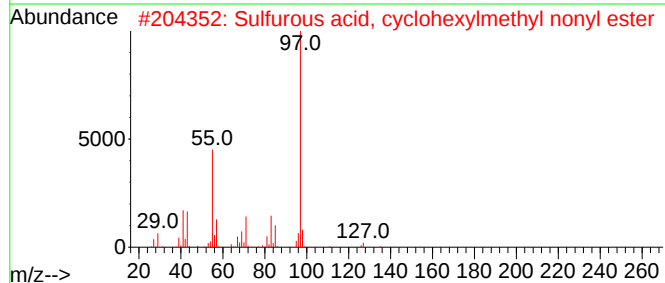
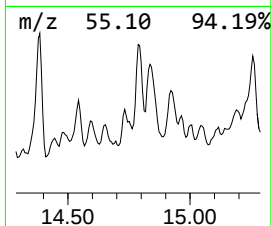
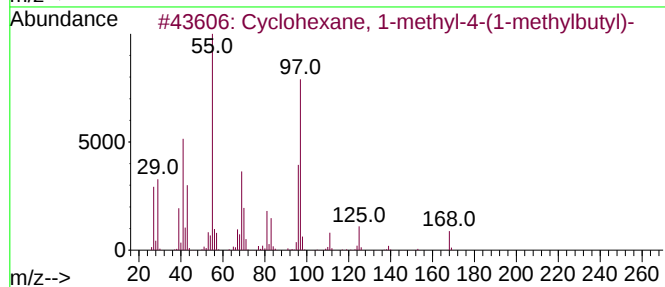
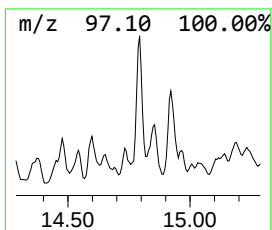
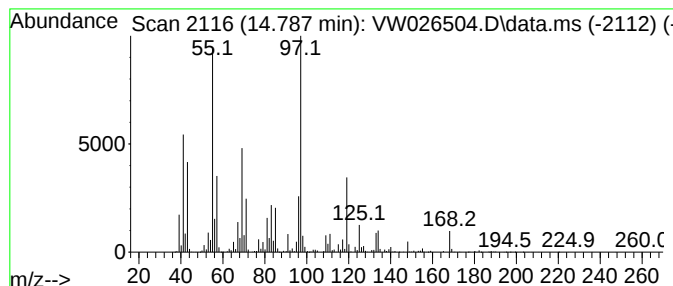
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Quant Title : SFAM01.0

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

Peak Number 37 (DEL) Alkane: Cyclic14.787 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.787	90.83 ug/L	2045400	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methylbutyl)-	168	C12H24	054411-00-6	55
2			Sulfurous acid, cyclohexylmethyl nonyl ester	304	C16H32O3S	1000309-21-8	53
3			Sulfurous acid, cyclohexylmethyl nonyl ester	416	C24H48O3S	1000309-22-5	53
4			Sulfurous acid, cyclohexylmethyl nonyl ester	388	C22H44O3S	1000309-22-3	52
5			Sulfurous acid, cyclohexylmethyl nonyl ester	332	C18H36O3S	1000309-21-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

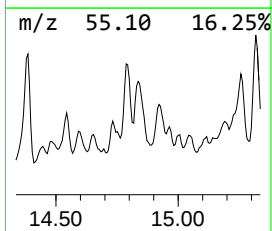
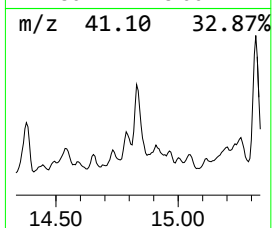
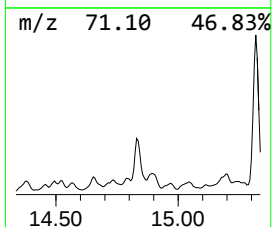
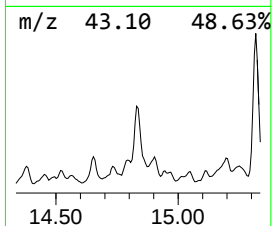
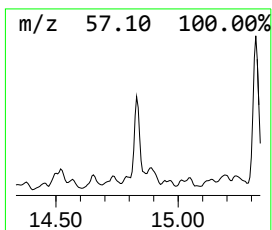
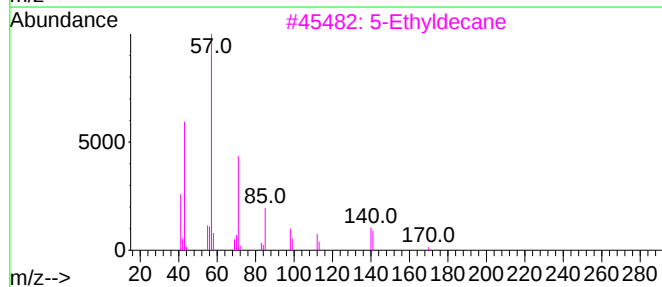
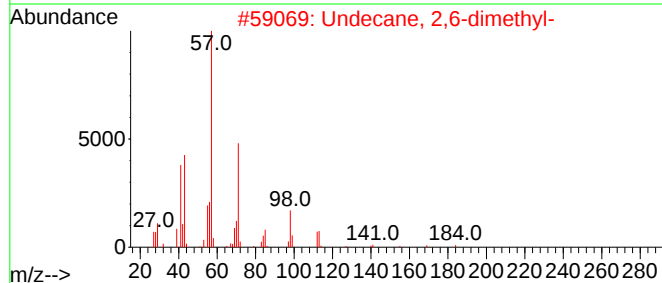
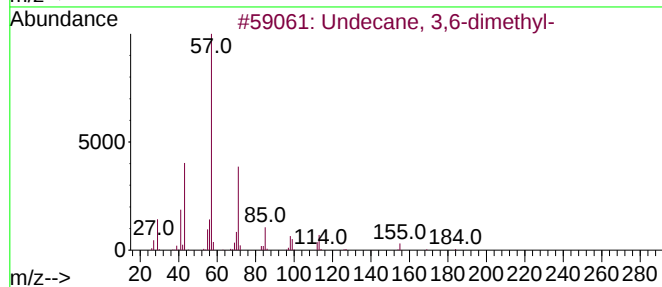
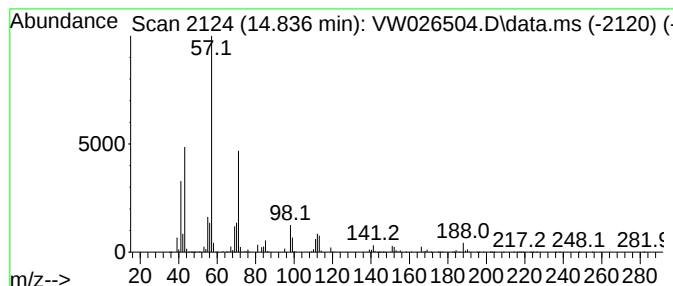
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Quant Title : SFAM01.0

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

Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.836	181.57 ug/L	4088860	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	87
2		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	83
3		5-Ethyldecane	170	C12H26	017302-36-2	72
4		Dodecane, 6-methyl-	184	C13H28	006044-71-9	70
5		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

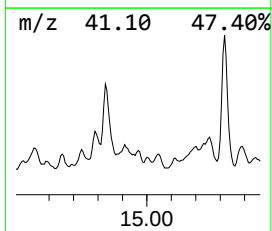
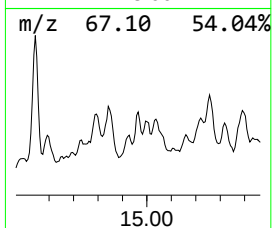
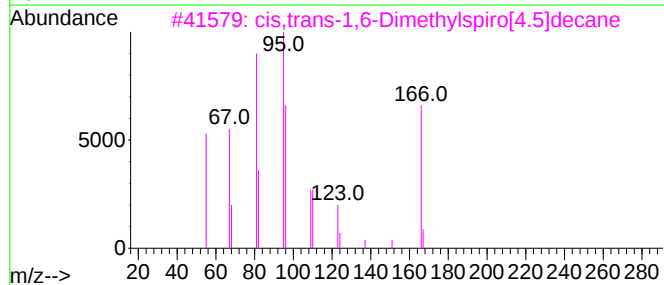
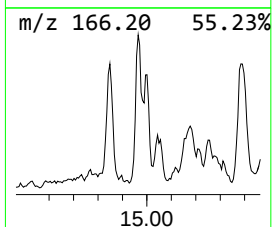
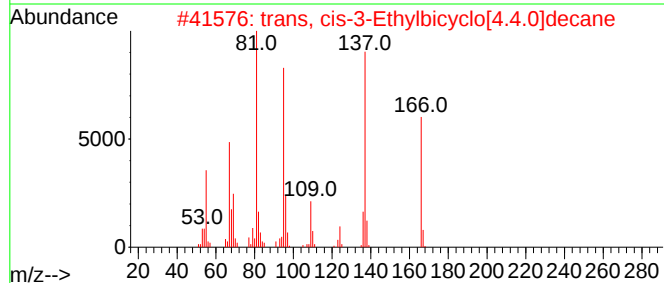
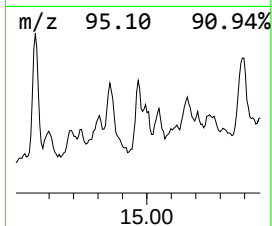
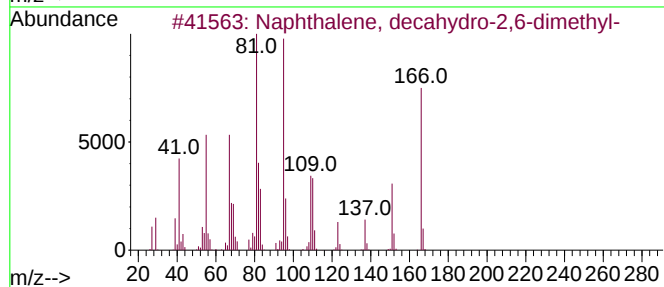
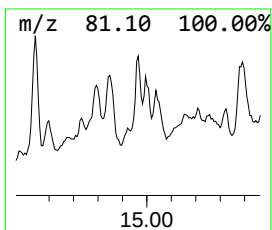
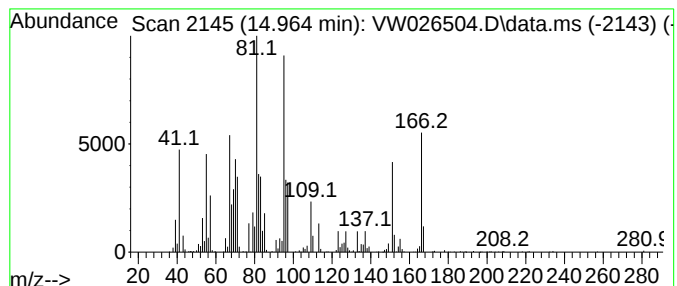
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Quant Title : SFAM01.0

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

Peak Number 39 Naphthalene, decahydro-2,6-... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.964	20.75 ug/L	467389	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	89
2			trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	68
3			cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	62
4			Naphthalene, decahydro-1,5-dimet...	166	C12H22	066552-62-3	55
5			7-Hexadecyne	222	C16H30	074685-28-2	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

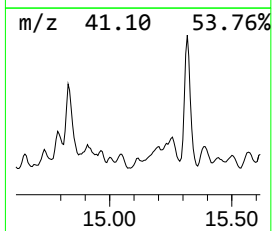
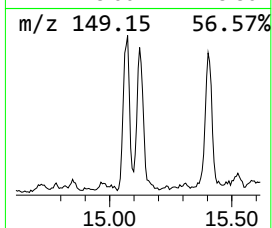
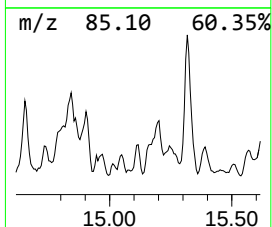
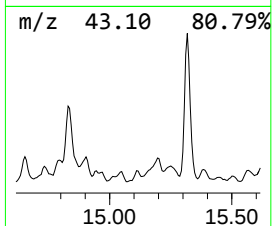
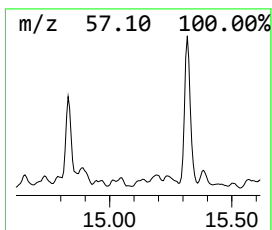
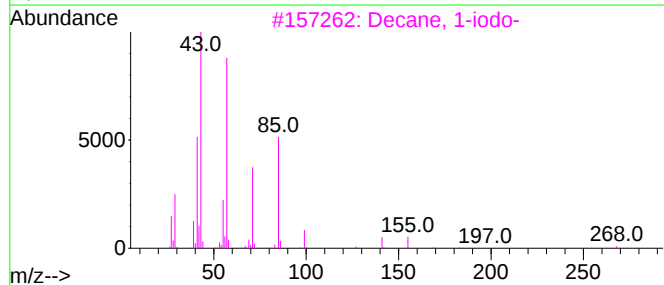
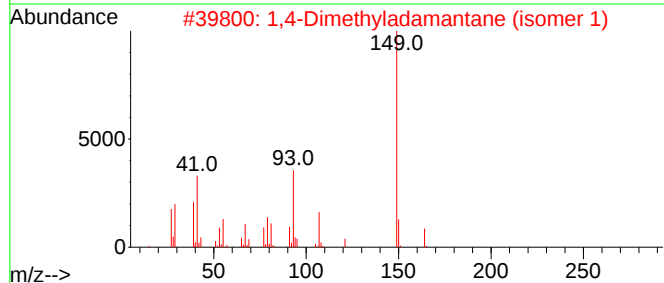
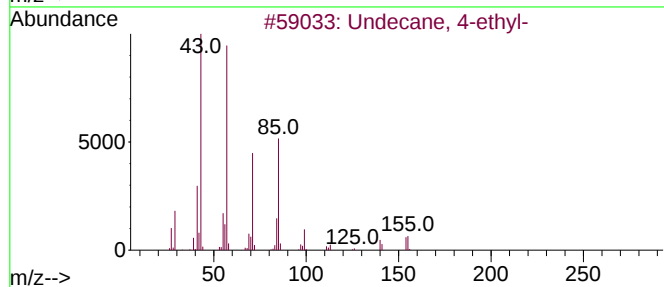
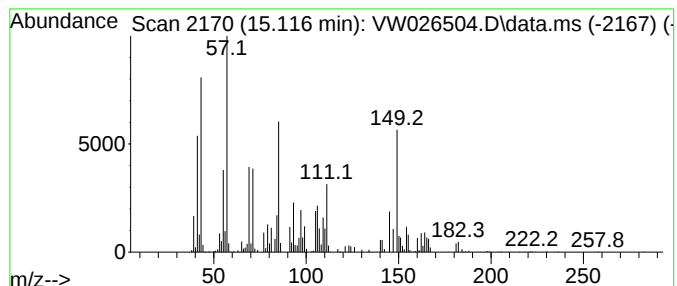
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Quant Title : SFAM01.0

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

Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.117	18.78 ug/L	422827	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Undecane, 4-ethyl-	184	C13H28	017312-59-3	27
2		1,4-Dimethyladamantane (isomer 1)	164	C12H20	1000460-67-0	25
3		Decane, 1-iodo-	268	C10H21I	002050-77-3	25
4		1,4-Dimethyladamantane (isomer 2)	164	C12H20	1000460-67-1	25
5		Decane, 3-ethyl-3-methyl-	184	C13H28	017312-66-2	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

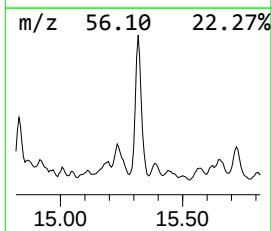
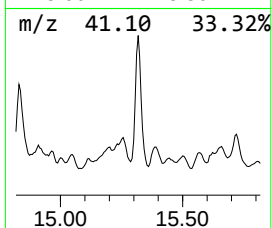
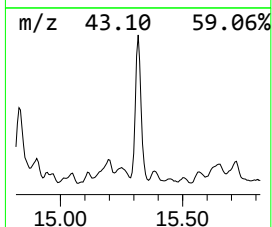
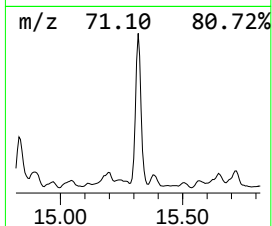
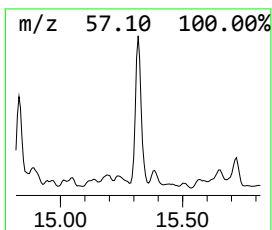
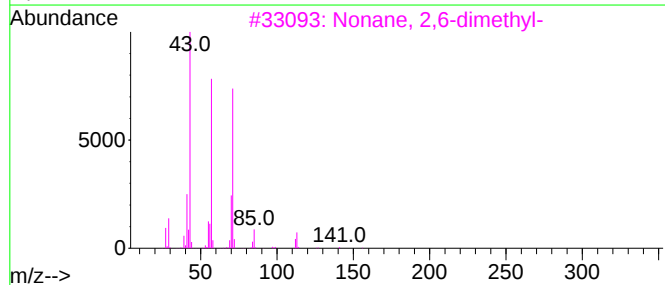
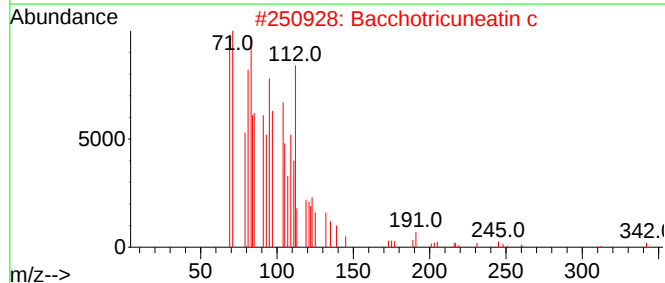
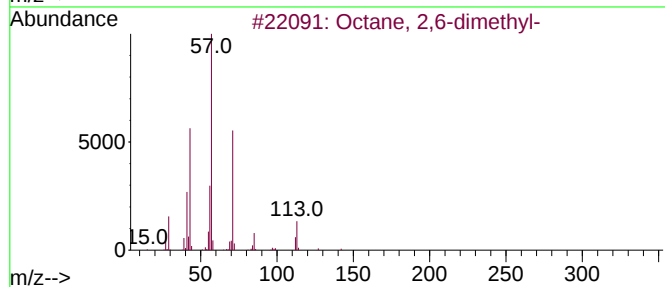
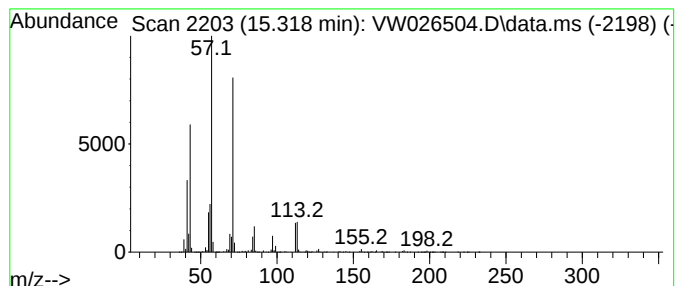
Instrument :
MSVOA_W
ClientSampleId :
A46X5

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Quant Title : SFAM01.0

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.318	314.74 ug/L	7087690	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
2	Bacchotricuneatin c	342	C20H22O5	066563-30-2	80
3	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	72
4	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	64
5	Oxalic acid, 2-ethylhexyl nonyl ...	328	C19H36O4	1000309-39-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

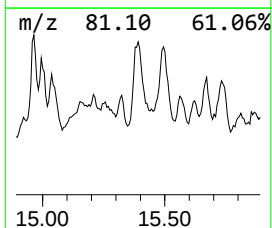
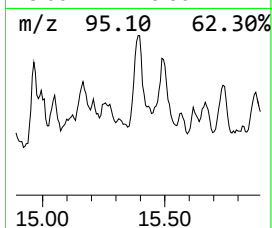
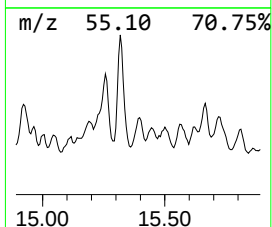
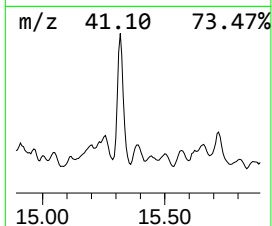
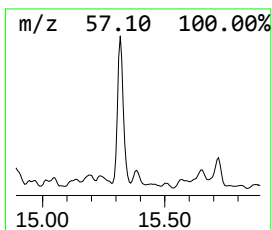
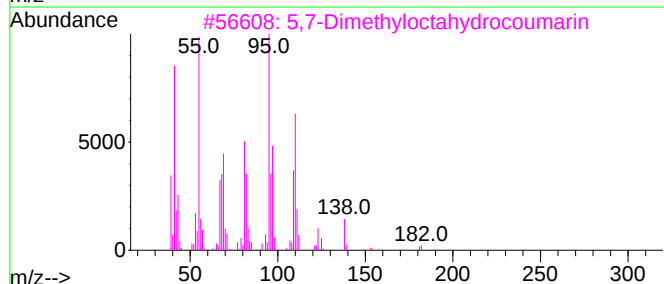
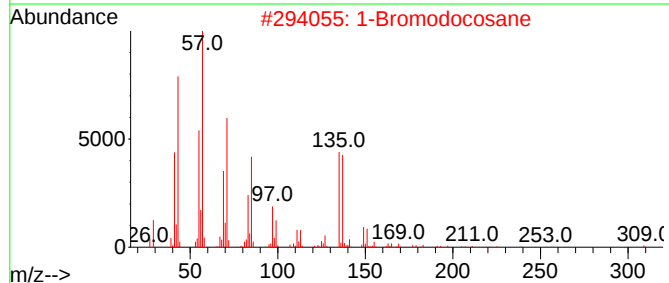
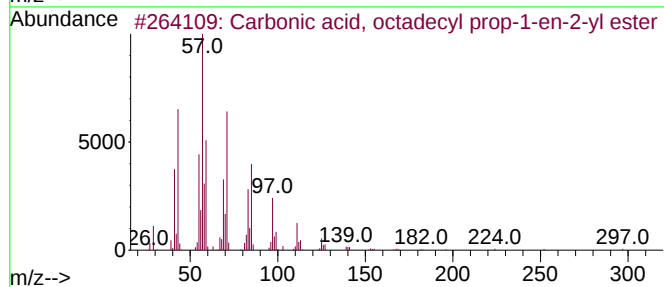
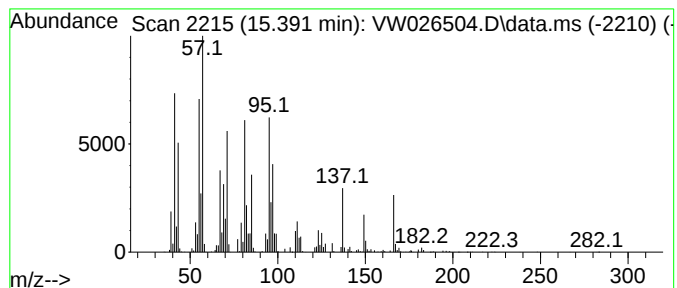
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Quant Title : SFAM01.0

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

Peak Number 42 unknown-02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.391	64.99 ug/L	1463430	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	38
2			1-Bromodocosane	388	C22H45Br	006938-66-5	30
3			5,7-Dimethyloctahydrocoumarin	182	C11H18O2	1000109-81-5	30
4			Naphthalene, decahydro-1,6-dimet...	166	C12H22	001750-51-2	30
5			1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

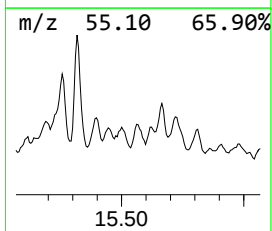
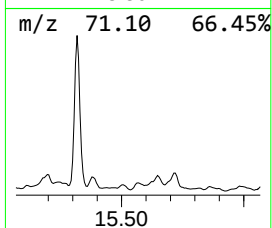
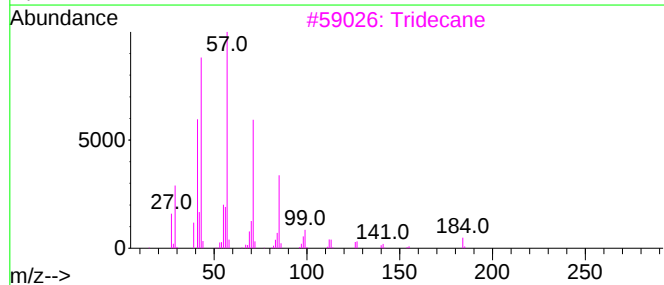
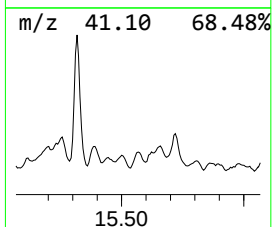
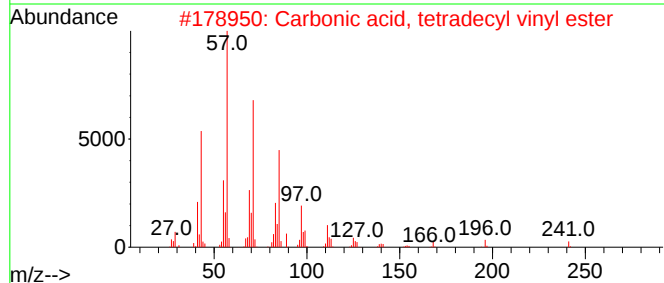
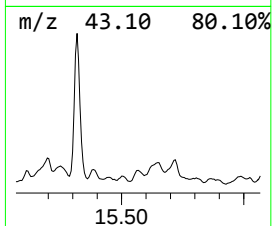
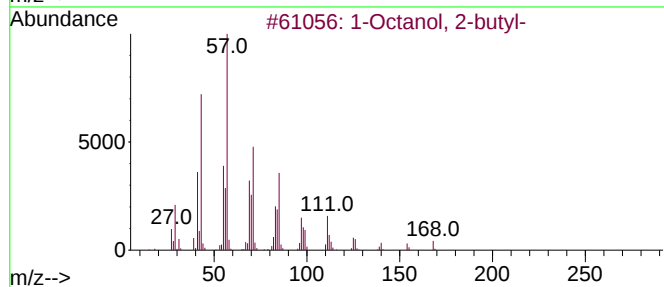
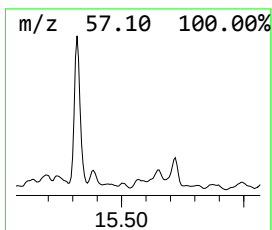
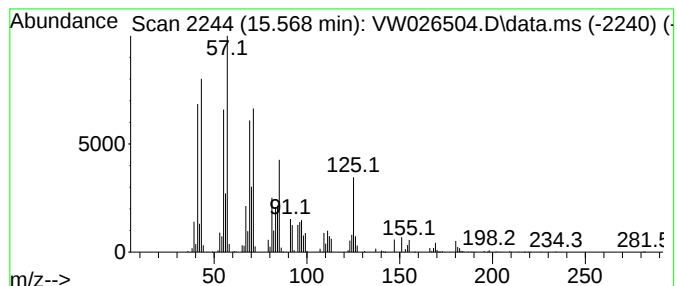
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Quant Title : SFAM01.0

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

Peak Number 43 1-Octanol, 2-butyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.568	35.32 ug/L	795399	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	58
2			Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	52
3			Tridecane	184	C13H28	000629-50-5	46
4			Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	46
5			Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

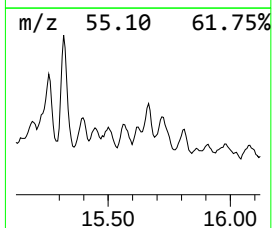
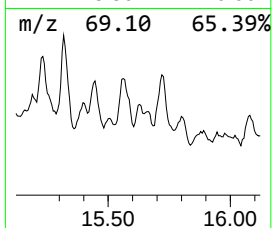
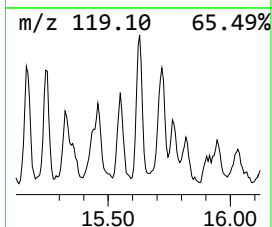
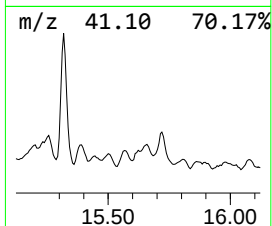
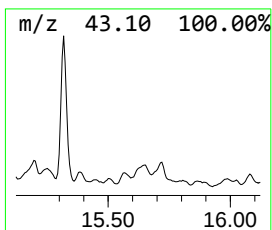
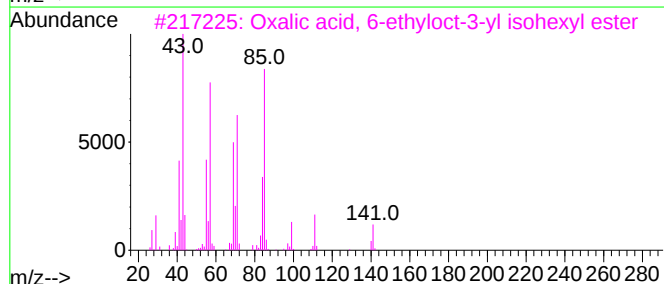
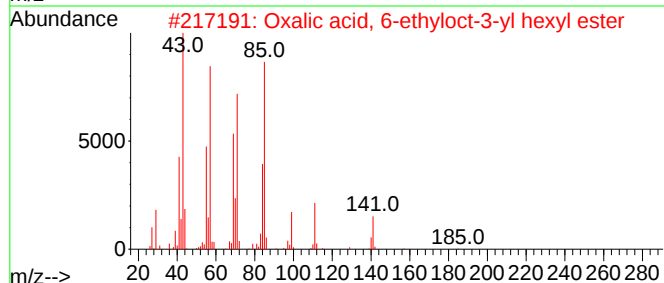
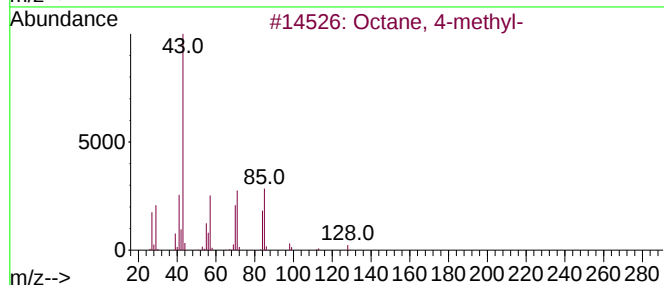
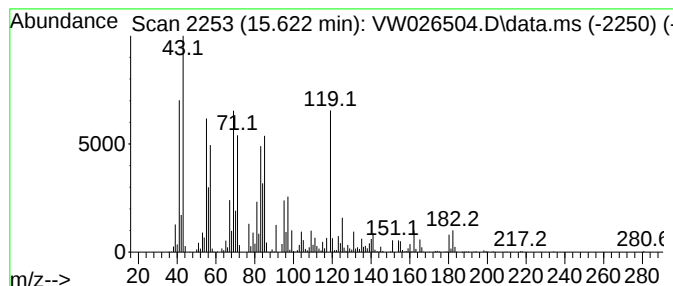
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Quant Title : SFAM01.0

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

Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.623	25.30 ug/L	569822	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-		128	C9H20		002216-34-4	30
2	Oxalic acid, 6-ethyloct-3-yl hex...		314	C18H34O4		1000309-34-4	30
3	Oxalic acid, 6-ethyloct-3-yl iso...		314	C18H34O4		1000309-34-3	27
4	Octane, 4-methyl-		128	C9H20		002216-34-4	27
5	Oxalic acid, cyclobutyl decyl ester		284	C16H28O4		1000309-70-1	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

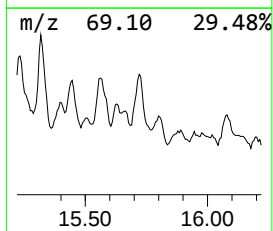
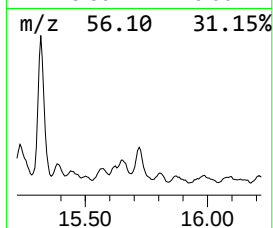
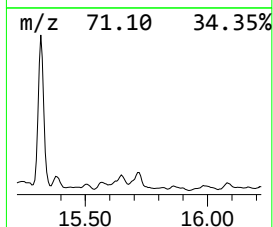
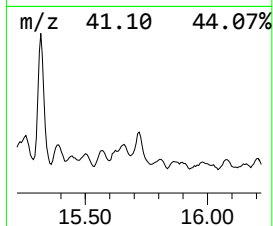
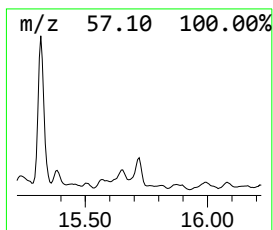
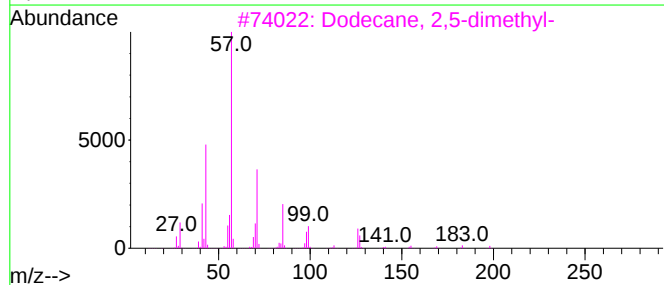
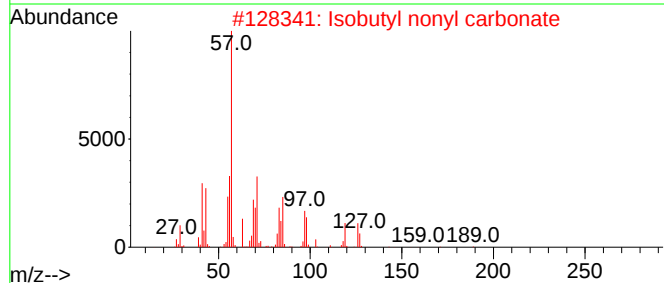
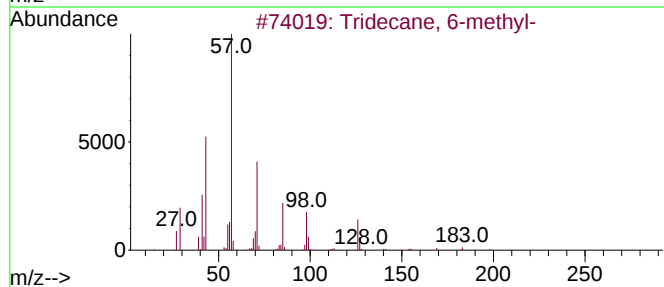
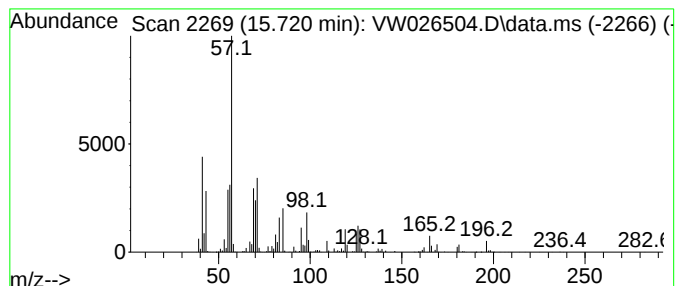
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Quant Title : SFAM01.0

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

Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.720	84.15 ug/L	1895010	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 6-methyl-	198	C14H30	013287-21-3	70
2			Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	59
3			Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	52
4			1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	50
5			Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026504.D
Acq On : 01 Jul 2023 04:48
Operator : SY/MD
Sample : 03501-10
Misc : 4.26g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X5

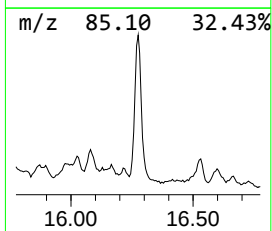
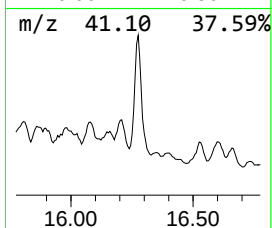
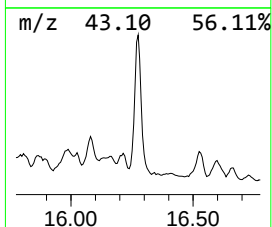
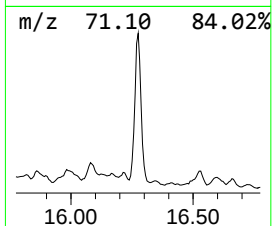
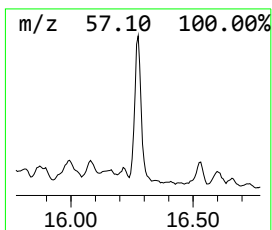
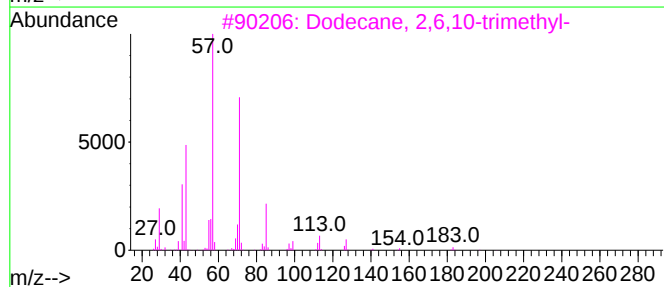
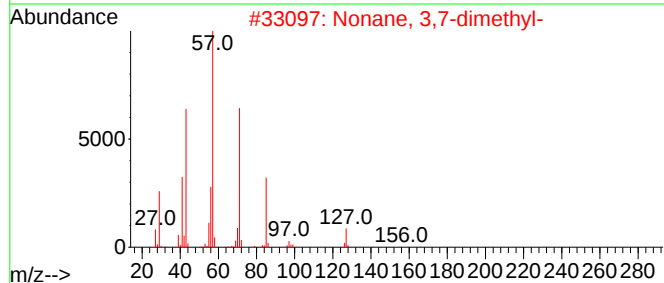
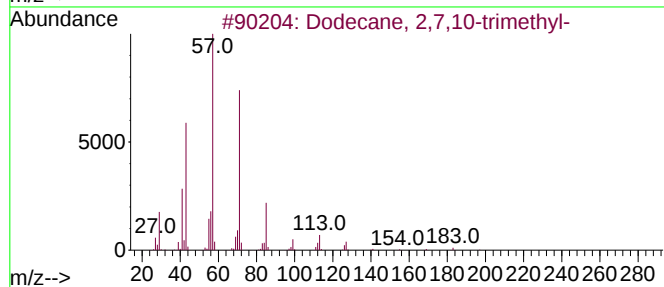
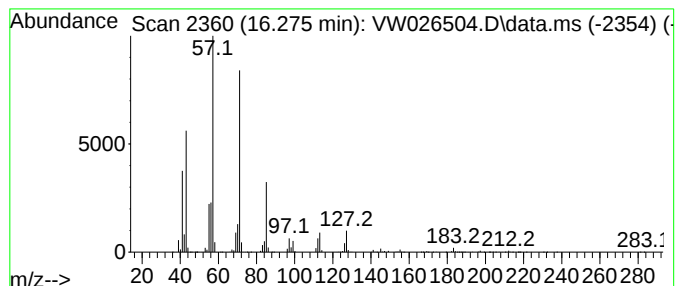
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Quant Title : SFAM01.0

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

Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.275	158.46 ug/L	3568480	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	91
2			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	90
3			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
4			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	83
5			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
 Data File : VW026504.D
 Acq On : 01 Jul 2023 04:48
 Operator : SY/MD
 Sample : 03501-10
 Misc : 4.26g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A46X5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
 Quant Title : SFAM01.0

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

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	2.143	1.3	ug/L	89096	1	8.843	1711400	25.0
(DEL) Alkane: C...	11.227	1.4	ug/L	66752	2	11.629	1205630	25.0
(DEL) Alkane: S...	11.337	1.3	ug/L	63421	2	11.629	1205630	25.0
(DEL) Alkane: S...	11.507	2.8	ug/L	132543	2	11.629	1205630	25.0
(DEL) Alkane: C...	11.812	1.4	ug/L	67707	2	11.629	1205630	25.0
(DEL) Alkane: C...	11.873	2.8	ug/L	133748	2	11.629	1205630	25.0
(DEL) Alkane: C...	11.910	1.6	ug/L	78384	2	11.629	1205630	25.0
(DEL) Alkane: S...	12.056	2.3	ug/L	109484	2	11.629	1205630	25.0
(DEL) Alkane: S...	12.251	9.6	ug/L	464889	2	11.629	1205630	25.0
(DEL) Alkane: S...	12.361	23.8	ug/L	1145960	2	11.629	1205630	25.0
(DEL) Alkane: S...	12.593	2.4	ug/L	54786	3	13.556	562985	25.0
(DEL) Alkane: S...	12.617	6.2	ug/L	139288	3	13.556	562985	25.0
(DEL) Alkane: C...	12.775	18.9	ug/L	425722	3	13.556	562985	25.0
(DEL) Alkane: C...	12.861	22.8	ug/L	513732	3	13.556	562985	25.0
1,1'-Biphenyl, ...	12.940	100.1	ug/L	2253140	3	13.556	562985	25.0
(DEL) Alkane: S...	13.074	17.4	ug/L	391683	3	13.556	562985	25.0
(DEL) Alkane: S...	13.123	15.7	ug/L	354065	3	13.556	562985	25.0
(DEL) Alkane: S...	13.160	29.7	ug/L	669666	3	13.556	562985	25.0
(DEL) Alkane: S...	13.336	15.7	ug/L	354506	3	13.556	562985	25.0
Heptanedioic ac...	13.373	4.3	ug/L	96302	3	13.556	562985	25.0
(DEL) Alkane: C...	13.440	63.6	ug/L	1432840	3	13.556	562985	25.0
(DEL) Alkane: S...	13.483	23.0	ug/L	517977	3	13.556	562985	25.0
(DEL) Alkane: C...	13.690	24.4	ug/L	549524	3	13.556	562985	25.0
(DEL) Alkane: C...	13.909	28.9	ug/L	650783	3	13.556	562985	25.0
(DEL) Alkane: C...	13.970	38.8	ug/L	873537	3	13.556	562985	25.0
(DEL) Alkane: S...	14.013	15.7	ug/L	352406	3	13.556	562985	25.0
(DEL) Alkane: S...	14.123	70.3	ug/L	1582020	3	13.556	562985	25.0
(DEL) Alkane: S...	14.190	36.0	ug/L	811857	3	13.556	562985	25.0
unknown-01	14.257	50.8	ug/L	1143440	3	13.556	562985	25.0
(DEL) Alkane: S...	14.312	16.1	ug/L	363174	3	13.556	562985	25.0
Dihydromyrcenol...	14.379	130.5	ug/L	2939240	3	13.556	562985	25.0
(DEL) Alkane: S...	14.501	28.2	ug/L	635493	3	13.556	562985	25.0
Naphthalene, de...	14.543	56.4	ug/L	1269160	3	13.556	562985	25.0
(DEL) Alkane: S...	14.653	23.1	ug/L	519555	3	13.556	562985	25.0
Pentadecafluoro...	14.732	30.9	ug/L	696154	3	13.556	562985	25.0
(DEL) Alkane: C...	14.787	90.8	ug/L	2045400	3	13.556	562985	25.0
(DEL) Alkane: S...	14.836	181.6	ug/L	4088860	3	13.556	562985	25.0
Naphthalene, de...	14.964	20.8	ug/L	467389	3	13.556	562985	25.0
(DEL) Alkane: S...	15.117	18.8	ug/L	422827	3	13.556	562985	25.0
(DEL) Alkane: S...	15.318	314.7	ug/L	7087690	3	13.556	562985	25.0
unknown-02	15.391	65.0	ug/L	1463430	3	13.556	562985	25.0
1-Octanol, 2-bu...	15.568	35.3	ug/L	795399	3	13.556	562985	25.0
(DEL) Alkane: S...	15.623	25.3	ug/L	569822	3	13.556	562985	25.0
(DEL) Alkane: S...	15.720	84.2	ug/L	1895010	3	13.556	562985	25.0
(DEL) Alkane: S...	16.275	158.5	ug/L	3568480	3	13.556	562985	25.0