

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
 Data File : VW026038.D
 Acq On : 25 May 2023 14:15
 Operator : SY/MD
 Sample : 02950-02
 Misc : 2.72g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW979

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\SFAMWLM050123SMA.M
 Title : SFAM01.0

Signal : TIC: VW026038.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.363	72	78	91	rVB	128674	295096	11.74%	0.565%
2	2.899	156	166	179	rBV	84258	258515	10.29%	0.495%
3	3.393	243	247	257	rVB10	5485	15873	0.63%	0.030%
4	4.021	339	350	362	rBV	244357	725733	28.87%	1.389%
5	4.119	362	366	375	rVV	24294	65779	2.62%	0.126%
6	4.393	403	411	417	rBV2	6473	17105	0.68%	0.033%
7	4.923	485	498	518	rBV	83357	316916	12.61%	0.606%
8	5.442	574	583	594	rBV6	8952	32652	1.30%	0.062%
9	5.941	652	665	678	rBV3	37970	124689	4.96%	0.239%
10	6.874	809	818	827	rBV2	17478	53843	2.14%	0.103%
11	7.075	843	851	863	rBV	89855	254651	10.13%	0.487%
12	7.648	935	945	963	rVV	405466	1019160	40.55%	1.950%
13	8.033	998	1008	1025	rVV2	147090	391761	15.59%	0.750%
14	8.276	1031	1048	1064	rVV2	814220	2513428	100.00%	4.809%
15	8.417	1064	1071	1077	rVV2	64080	159446	6.34%	0.305%
16	8.478	1077	1081	1090	rVV3	35094	99842	3.97%	0.191%
17	8.575	1090	1097	1106	rVV2	49643	117824	4.69%	0.225%
18	8.697	1109	1117	1124	rVB2	6380	19851	0.79%	0.038%
19	8.843	1131	1141	1153	rBV	930047	1900934	75.63%	3.637%
20	8.929	1153	1155	1160	rVV5	7853	12103	0.48%	0.023%
21	8.990	1160	1165	1170	rVV7	8159	16704	0.66%	0.032%
22	9.069	1172	1178	1184	rVV5	20084	45265	1.80%	0.087%
23	9.142	1184	1190	1198	rVB3	8355	21777	0.87%	0.042%
24	9.276	1203	1212	1226	rBV5	622509	1981629	78.84%	3.792%
25	9.386	1226	1230	1237	rVB2	79209	152448	6.07%	0.292%
26	9.471	1237	1244	1254	rBV5	11076	33652	1.34%	0.064%
27	9.605	1255	1266	1274	rBV	447358	939516	37.38%	1.798%
28	9.758	1284	1291	1301	rVB2	100185	214796	8.55%	0.411%
29	9.892	1302	1313	1316	rBV4	66798	162677	6.47%	0.311%
30	9.941	1316	1321	1328	rVB	150333	282414	11.24%	0.540%
31	10.032	1328	1336	1340	rBV	253330	493641	19.64%	0.945%
32	10.075	1340	1343	1350	rVB	257265	468689	18.65%	0.897%
33	10.209	1359	1365	1367	rBV4	77453	138567	5.51%	0.265%
34	10.239	1368	1370	1376	rVB2	87053	136083	5.41%	0.260%
35	10.325	1376	1384	1395	rBV	1045078	1971371	78.43%	3.772%
36	10.416	1395	1399	1404	rBV6	10660	21112	0.84%	0.040%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
 Title : SFAM01.0

37	10.508	1404	1414	1420	rBV5	387286	944014	37.56%	1.806%
38	10.581	1420	1426	1428	rBV	175179	308168	12.26%	0.590%
39	10.617	1428	1432	1435	rVV2	166091	234329	9.32%	0.448%
40	10.666	1435	1440	1447	rVB	415338	728981	29.00%	1.395%
41	10.745	1447	1453	1460	rBV5	204726	562019	22.36%	1.075%
42	10.806	1460	1463	1467	rBV	42230	61465	2.45%	0.118%
43	10.843	1467	1469	1474	rVB	94412	137354	5.46%	0.263%
44	10.922	1474	1482	1490	rBV	369317	797314	31.72%	1.526%
45	11.026	1490	1499	1502	rBV5	197915	514614	20.47%	0.985%
46	11.105	1508	1512	1514	rBV3	79333	122435	4.87%	0.234%
47	11.142	1514	1518	1523	rVB2	230701	408860	16.27%	0.782%
48	11.227	1523	1532	1537	rBV5	274237	759991	30.24%	1.454%
49	11.282	1537	1541	1545	rVV2	198757	312015	12.41%	0.597%
50	11.319	1545	1547	1553	rVB2	149480	226662	9.02%	0.434%
51	11.380	1553	1557	1561	rVB	73419	107526	4.28%	0.206%
52	11.434	1561	1566	1575	rVB2	275776	539734	21.47%	1.033%
53	11.556	1575	1586	1592	rBV5	154463	496933	19.77%	0.951%
54	11.629	1592	1598	1610	rBV	1110697	2029996	80.77%	3.884%
55	11.721	1610	1613	1617	rBV	81079	115504	4.60%	0.221%
56	11.764	1617	1620	1624	rVB2	143941	200723	7.99%	0.384%
57	11.818	1624	1629	1633	rBV4	175335	348051	13.85%	0.666%
58	11.873	1633	1638	1640	rBV2	124273	217254	8.64%	0.416%
59	11.910	1640	1644	1649	rVB3	317908	635325	25.28%	1.216%
60	11.971	1649	1654	1659	rBV3	203358	397160	15.80%	0.760%
61	12.032	1660	1664	1668	rVB2	87179	124138	4.94%	0.238%
62	12.068	1668	1670	1674	rVB2	66715	79498	3.16%	0.152%
63	12.135	1674	1681	1687	rBV3	598560	1384552	55.09%	2.649%
64	12.227	1692	1696	1702	rVB3	293173	603184	24.00%	1.154%
65	12.294	1702	1707	1709	rBV2	277430	453572	18.05%	0.868%
66	12.337	1709	1714	1722	rVB2	729351	1548918	61.63%	2.964%
67	12.416	1722	1727	1729	rBV3	228937	379156	15.09%	0.726%
68	12.507	1739	1742	1749	rVB4	229491	465203	18.51%	0.890%
69	12.611	1754	1759	1764	rBV5	145884	271087	10.79%	0.519%
70	12.690	1766	1772	1777	rBV2	630206	1186373	47.20%	2.270%
71	12.782	1783	1787	1792	rVB4	205962	405408	16.13%	0.776%
72	12.855	1792	1799	1804	rBV4	377719	892094	35.49%	1.707%
73	12.922	1806	1810	1819	rVV6	294277	783153	31.16%	1.499%
74	13.074	1826	1835	1839	rBV2	323657	758726	30.19%	1.452%
75	13.117	1839	1842	1846	rVB2	169066	255596	10.17%	0.489%
76	13.178	1846	1852	1861	rVB5	274782	745054	29.64%	1.426%

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 Title : SFAM01.0

77	13.288	1861	1870	1875	rBV4	463320	1274707	50.72%	2.439%
78	13.336	1875	1878	1882	rVB2	226844	312699	12.44%	0.598%
79	13.428	1889	1893	1898	rVV5	143316	340307	13.54%	0.651%
80	13.477	1898	1901	1905	rVB2	201925	279221	11.11%	0.534%
81	13.556	1909	1914	1922	rVB	730585	1256677	50.00%	2.405%
82	13.690	1932	1936	1940	rVB3	162425	264833	10.54%	0.507%
83	13.873	1957	1966	1971	rVB3	828718	2240383	89.14%	4.287%
84	13.928	1971	1975	1978	rBV3	149958	229602	9.14%	0.439%
85	13.977	1980	1983	1985	rBV4	123038	158951	6.32%	0.304%
86	14.190	2014	2018	2024	rBV5	182068	451807	17.98%	0.865%
87	14.257	2025	2029	2035	rVV5	347825	697549	27.75%	1.335%
88	14.312	2035	2038	2042	rVV3	166196	266469	10.60%	0.510%
89	14.379	2045	2049	2053	rVB2	569083	865186	34.42%	1.656%
90	14.544	2071	2076	2082	rBV4	535396	947375	37.69%	1.813%
91	14.726	2103	2106	2111	rVB3	297479	443452	17.64%	0.849%
92	14.787	2112	2116	2119	rBV2	179615	382113	15.20%	0.731%
93	14.836	2119	2124	2132	rVB2	840762	1657818	65.96%	3.172%
94	15.050	2156	2159	2166	rVB6	177516	261845	10.42%	0.501%
95	15.318	2198	2203	2210	rBV3	454402	835166	33.23%	1.598%
96	15.568	2240	2244	2249	rVB6	174106	347626	13.83%	0.665%
97	15.623	2250	2253	2258	rBV5	135877	292235	11.63%	0.559%
98	15.720	2265	2269	2276	rVB3	454612	821348	32.68%	1.572%
99	16.275	2356	2360	2368	rVB2	223062	428392	17.04%	0.820%
100	16.525	2399	2401	2408	rVB	127212	187781	7.47%	0.359%

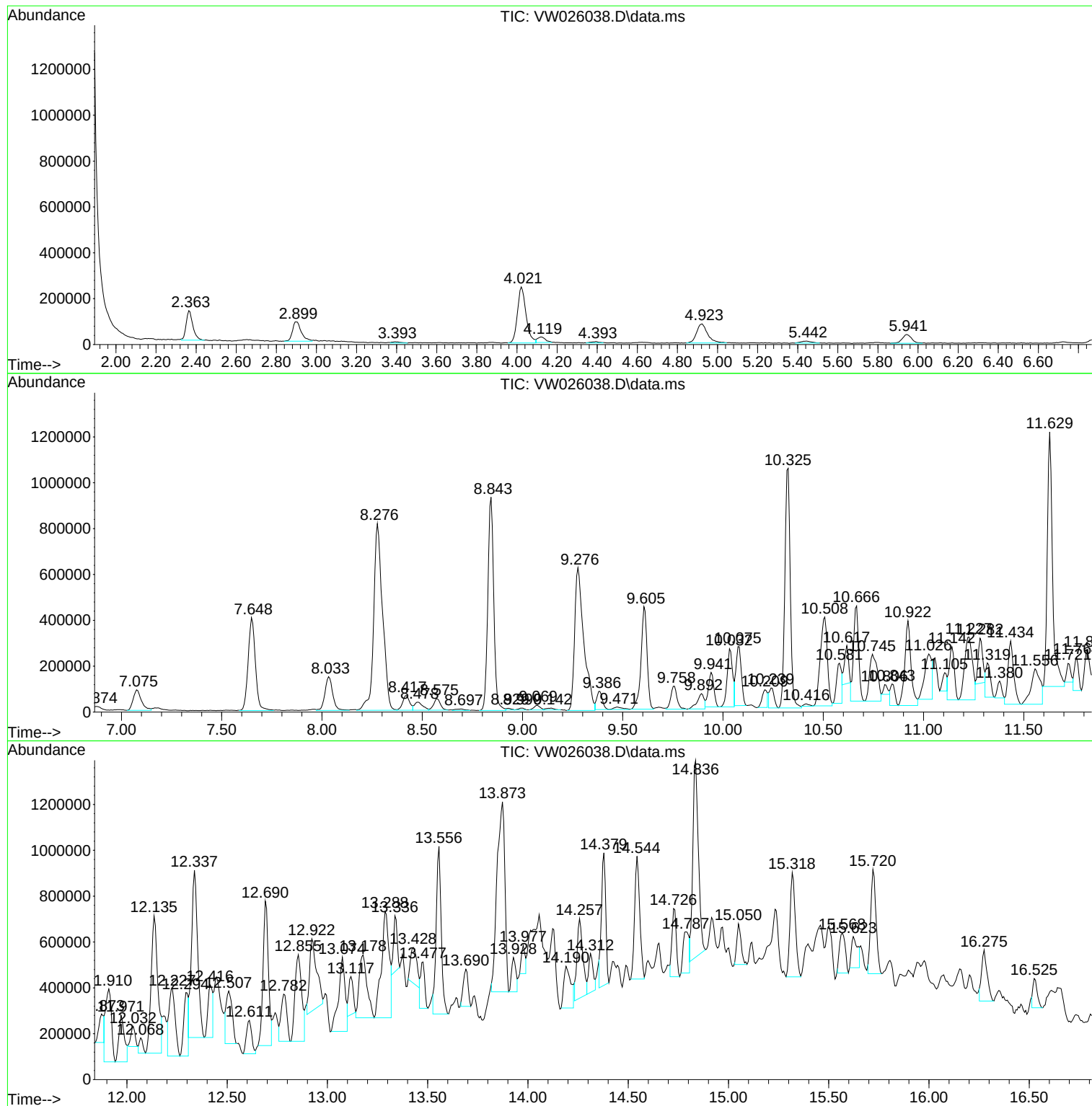
Sum of corrected areas: 52261223

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
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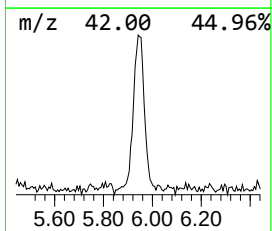
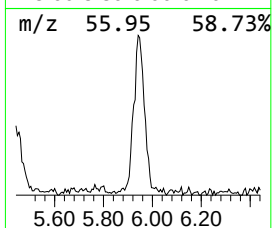
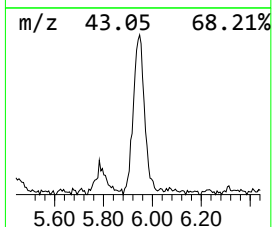
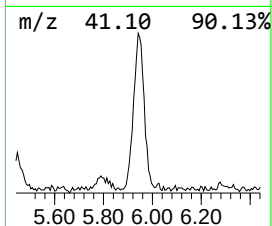
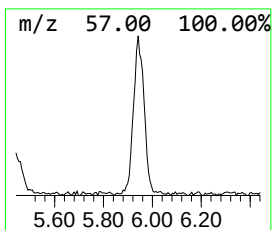
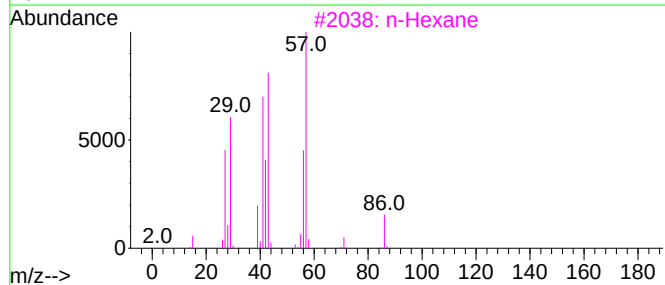
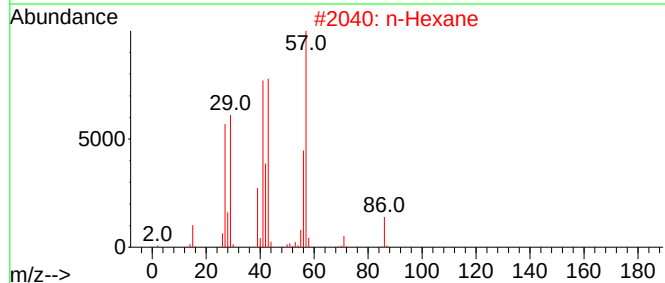
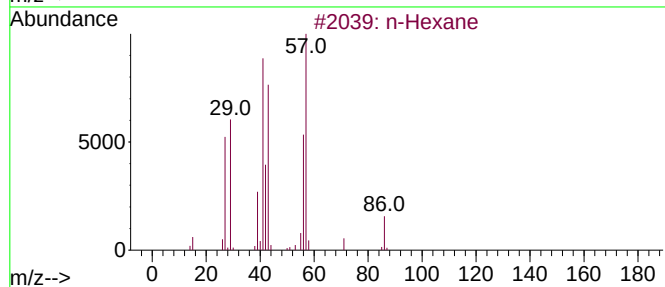
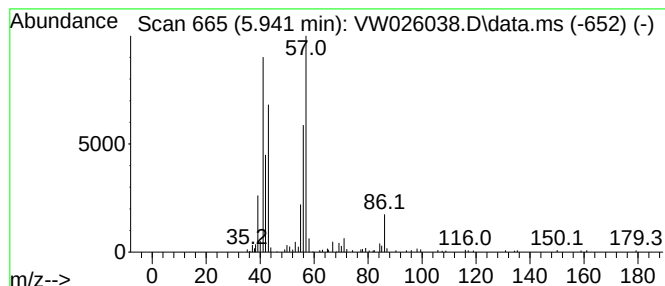
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.941	1.64 ug/L	124689	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane			86	C6H14	000110-54-3	87
2	n-Hexane			86	C6H14	000110-54-3	86
3	n-Hexane			86	C6H14	000110-54-3	78
4	2-Ethyl-oxetane			86	C5H10O	1010386-40-2	78
5	n-Hexane			86	C6H14	000110-54-3	49



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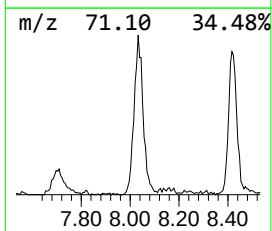
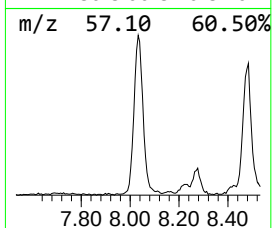
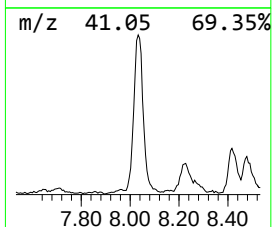
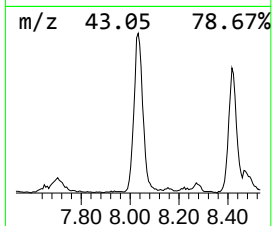
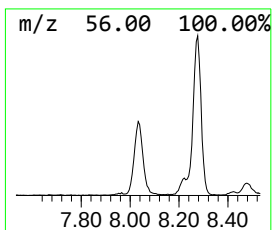
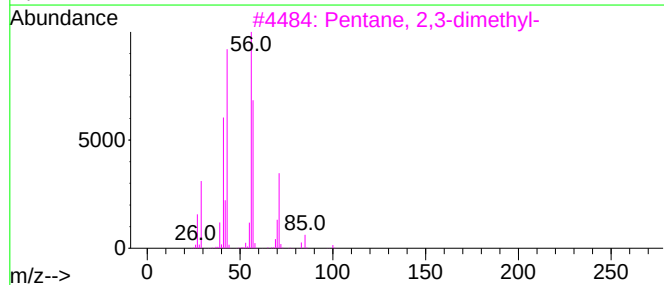
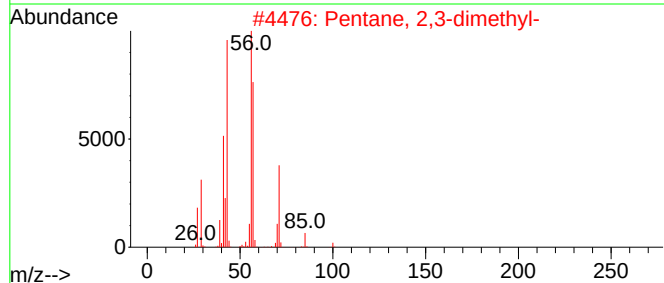
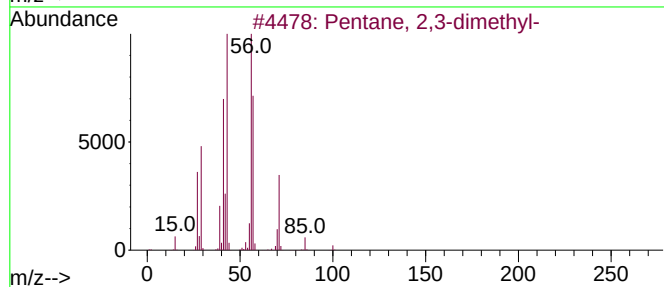
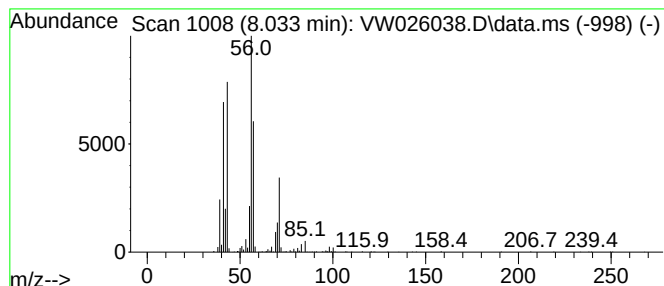
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.033	5.15 ug/L	391761	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
5		Nonane, 5-methylene-	140	C10H20	006795-79-5	47



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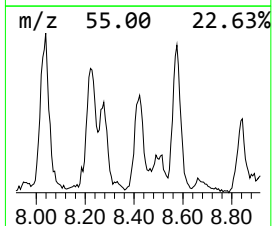
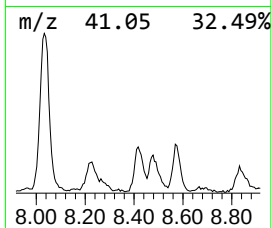
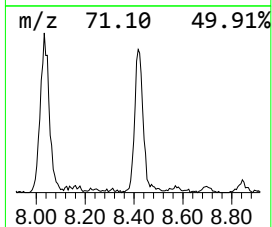
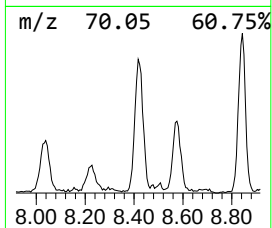
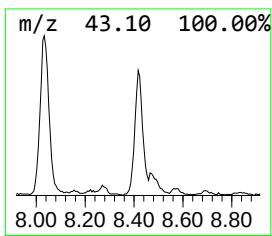
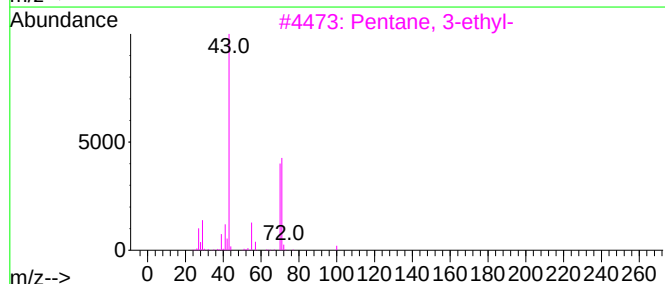
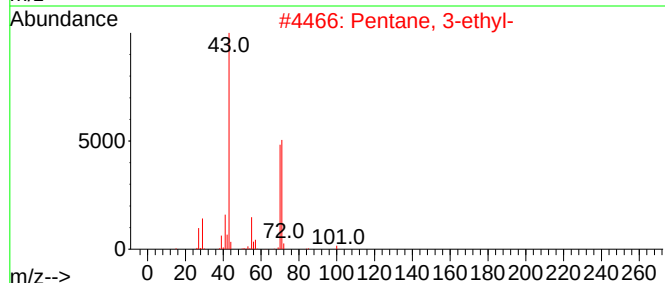
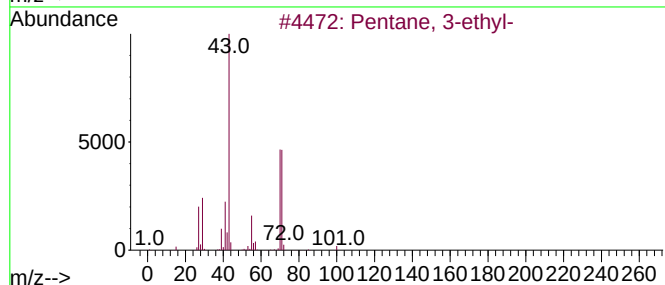
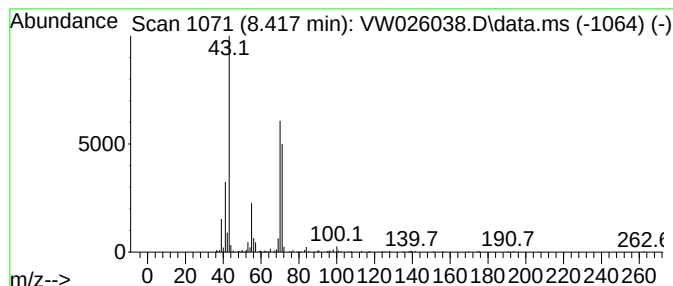
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.417	2.10 ug/L	159446	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 3-ethyl-	100	C7H16	000617-78-7	86
2		Pentane, 3-ethyl-	100	C7H16	000617-78-7	86
3		Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
4		Propanoic acid, 2-methyl-, 3-met...	158	C9H18O2	002050-01-3	72
5		Diisooamyl ether	158	C10H22O	000544-01-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

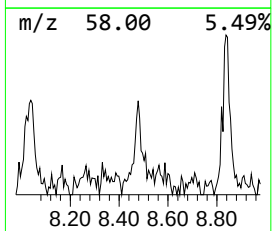
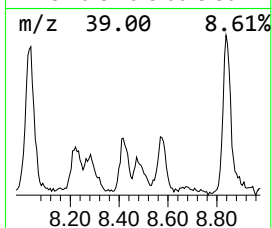
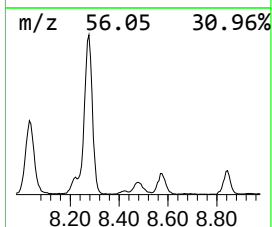
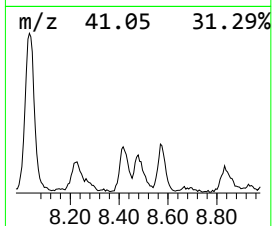
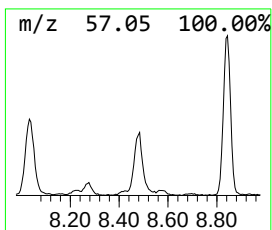
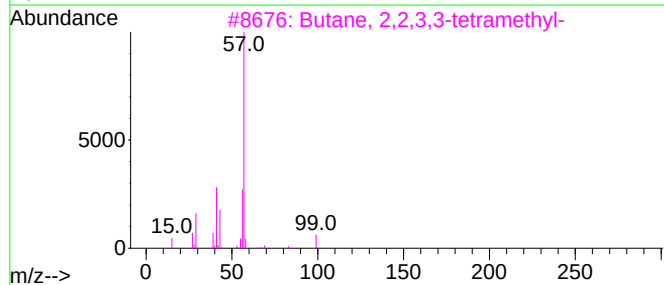
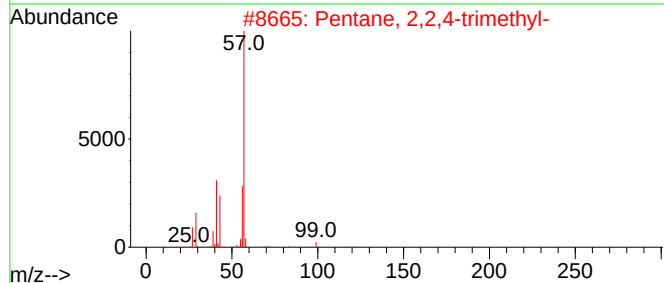
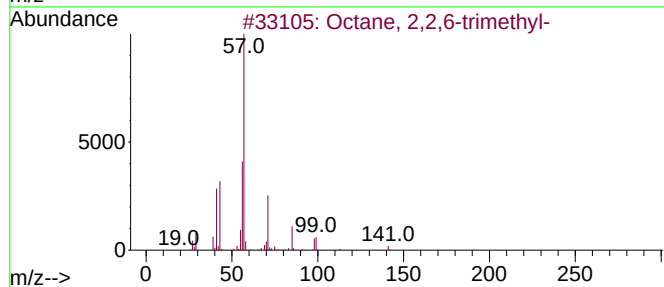
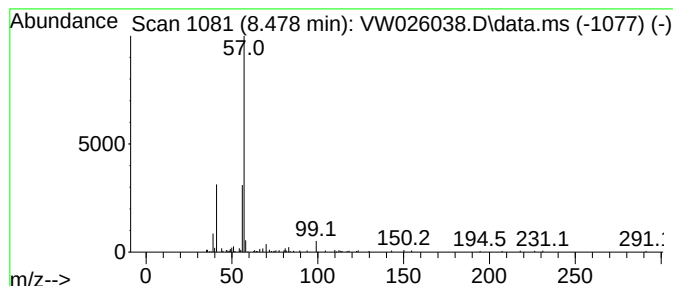
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.478	1.31 ug/L	99842	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	45
2		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	42
3		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	42
4		1-Butanesulfonyl chloride	156	C4H9ClO2S	002386-60-9	38
5		Propane, 1-bromo-2,2-dimethyl-	150	C5H11Br	000630-17-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

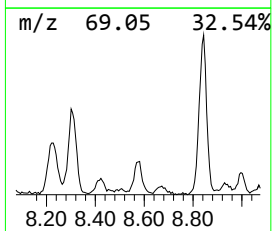
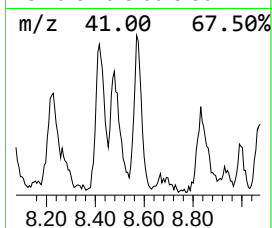
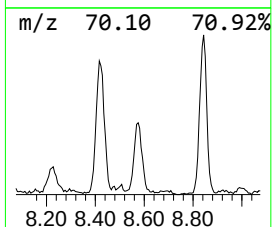
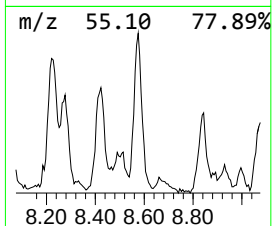
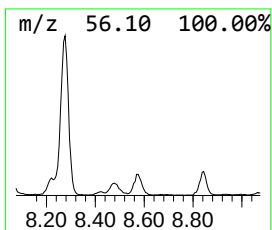
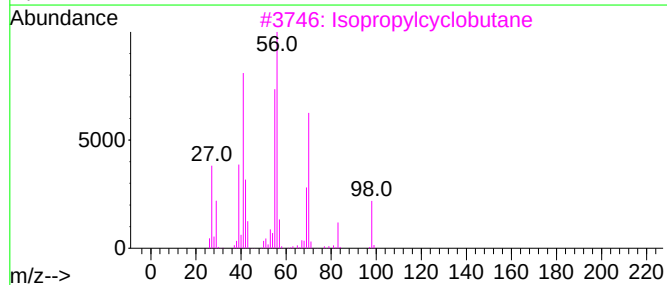
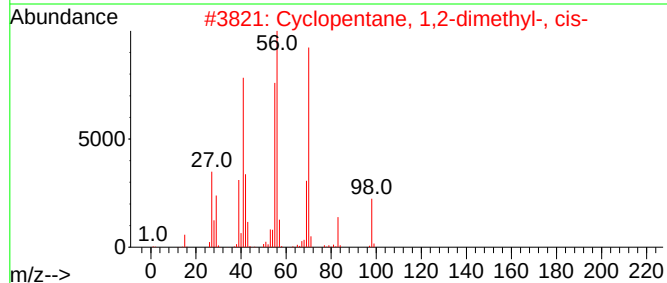
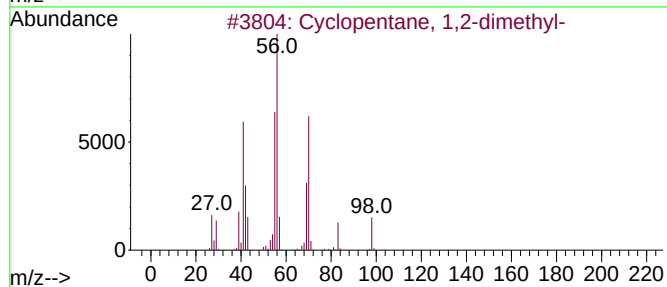
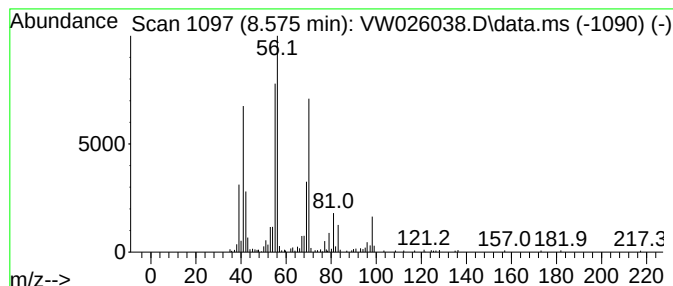
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Cyclic8.575 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.575	1.55 ug/L	117824	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	90
2		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	90
3		Isopropylcyclobutane	98	C7H14	000872-56-0	90
4		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	87
5		1-Heptene	98	C7H14	000592-76-7	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

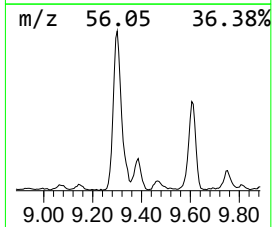
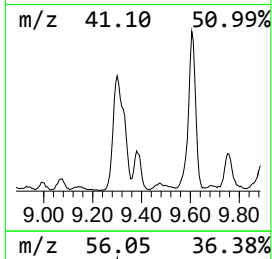
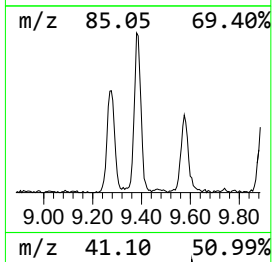
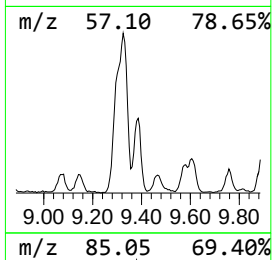
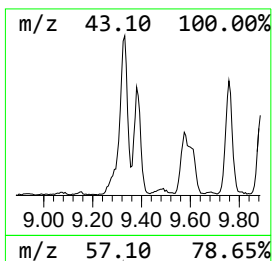
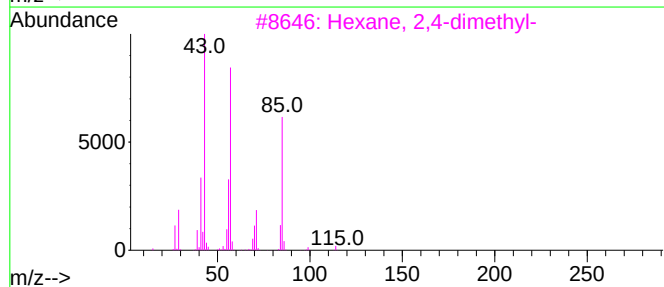
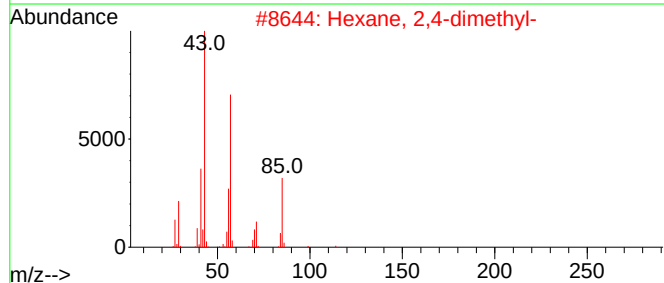
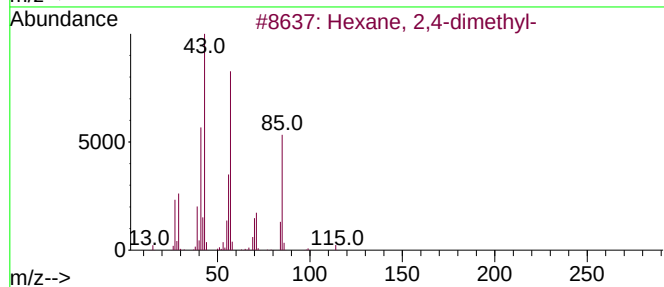
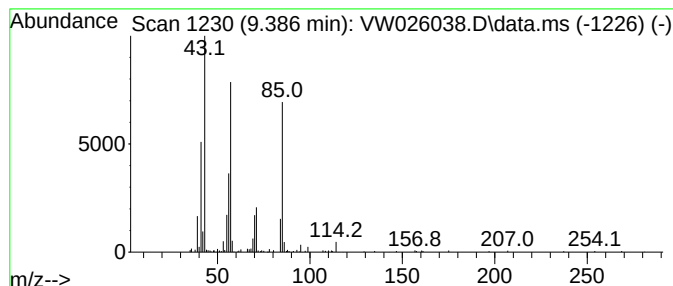
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MSVOA_W
ClientSampleId :
EW979

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.386	2.00 ug/L	152448	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	94
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	78
5	Oxalic acid, dodecyl isohexyl ester	342	C20H38O4	1000309-33-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

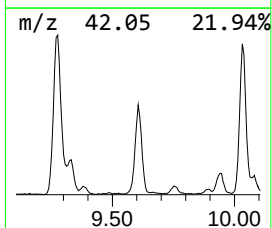
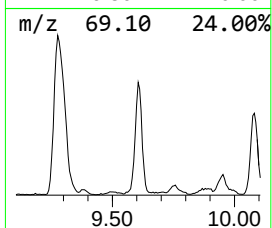
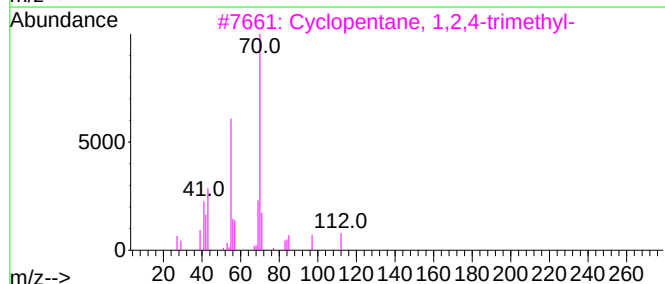
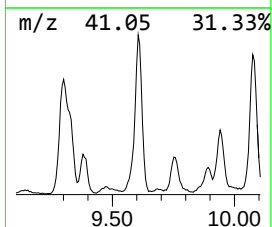
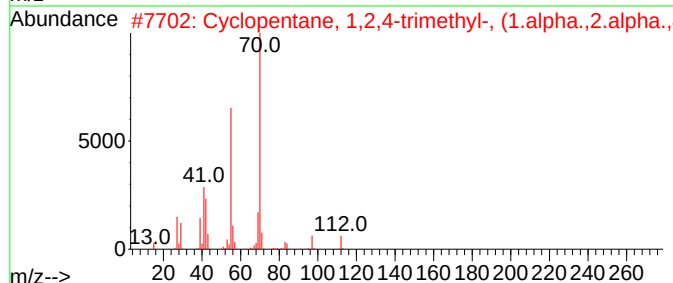
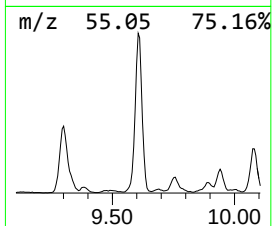
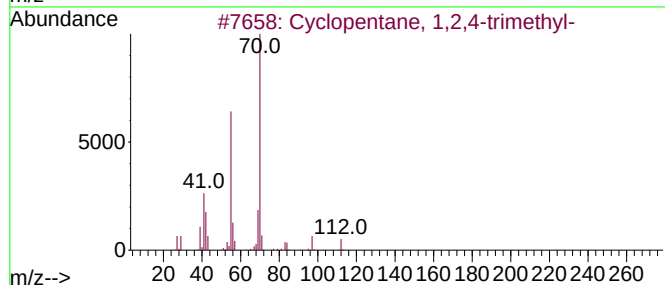
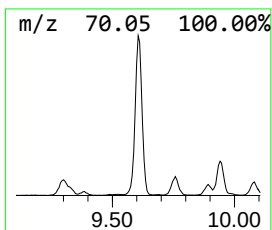
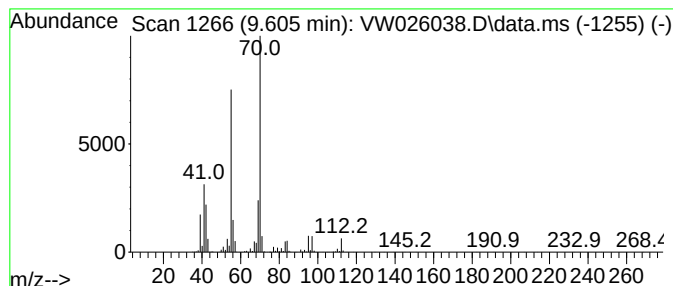
Instrument :
MSVOA_W
ClientSampleId :
EW979

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Cyclic9.605 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.605	12.36 ug/L	939516	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	91
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	87
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

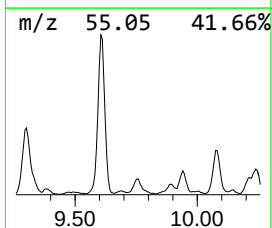
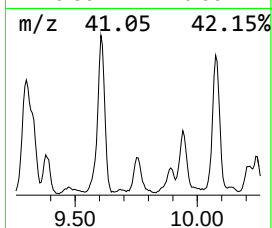
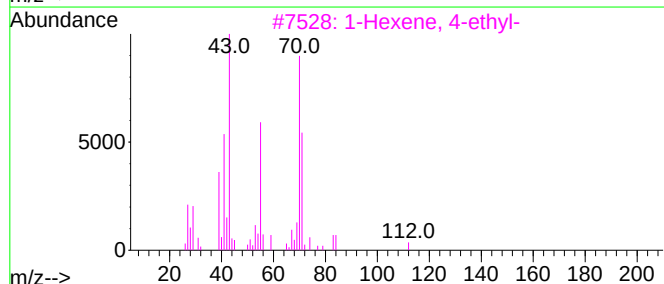
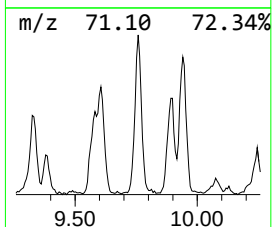
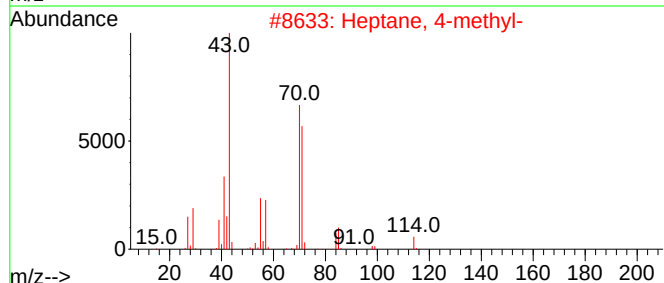
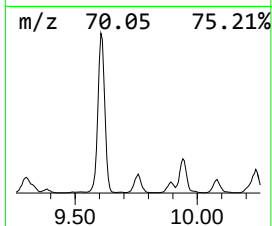
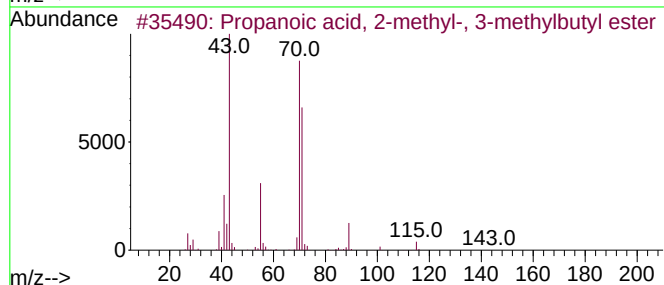
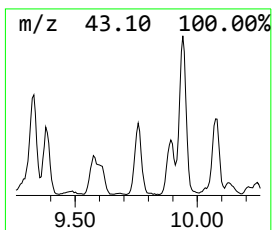
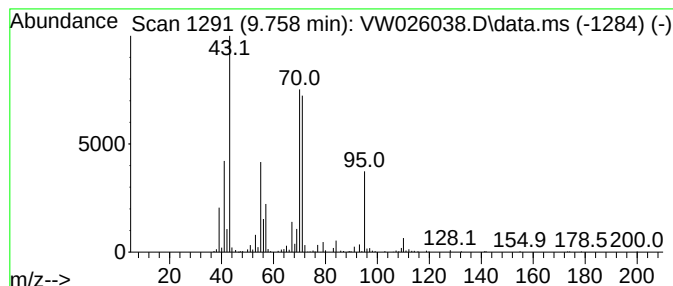
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Quant Title : SFAM01.0

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

Peak Number 8 Propanoic acid, 2-methyl-, ... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.758	2.82 ug/L	214796	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propanoic acid, 2-methyl-, 3-met...	158	C9H18O2	002050-01-3	53
2			Heptane, 4-methyl-	114	C8H18	000589-53-7	53
3			1-Hexene, 4-ethyl-	112	C8H16	016746-85-3	53
4			Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	50
5			Butane, 2-cyclopropyl-	98	C7H14	005750-02-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

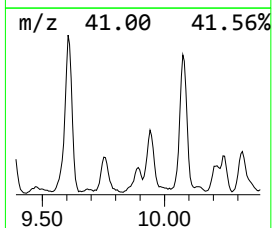
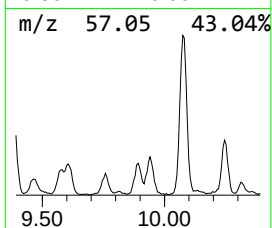
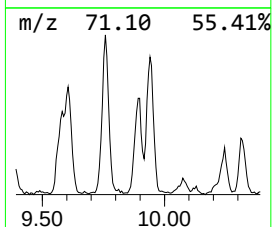
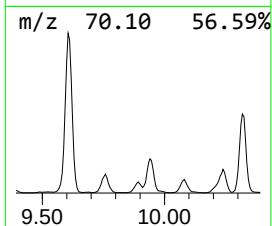
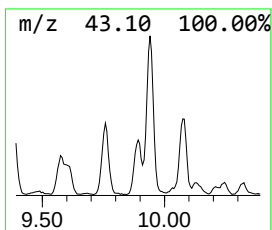
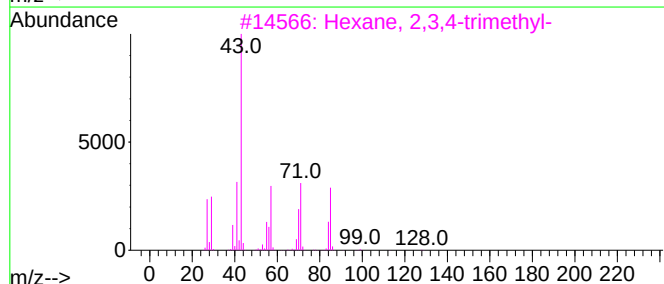
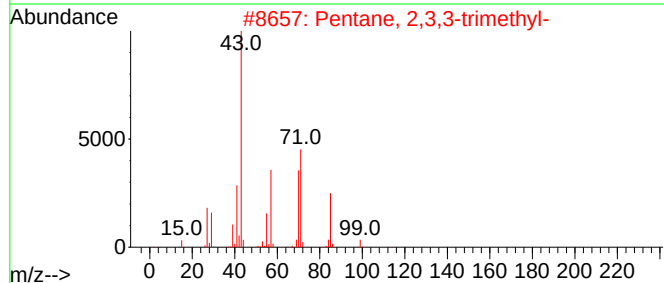
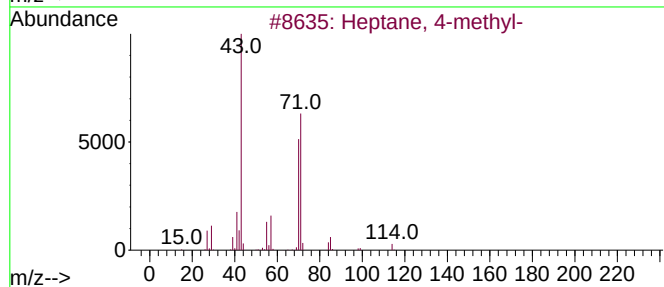
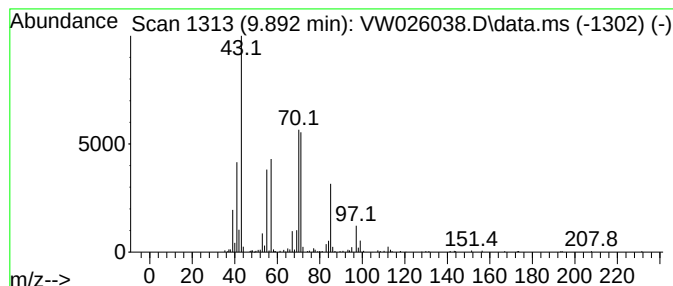
Instrument :
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.892	2.14 ug/L	162677	1,4-Difluorobenzene	8.843	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-methyl-	114	C8H18	000589-53-7	50
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	50
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	50
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	50
5	1-Hexene, 4-ethyl-	112	C8H16	016746-85-3	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

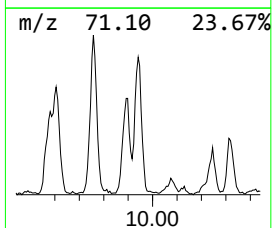
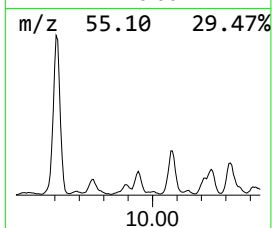
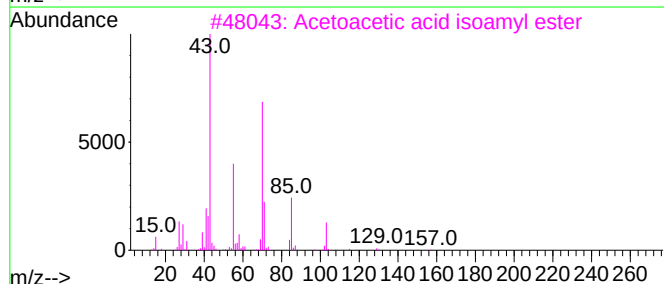
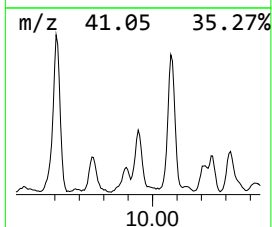
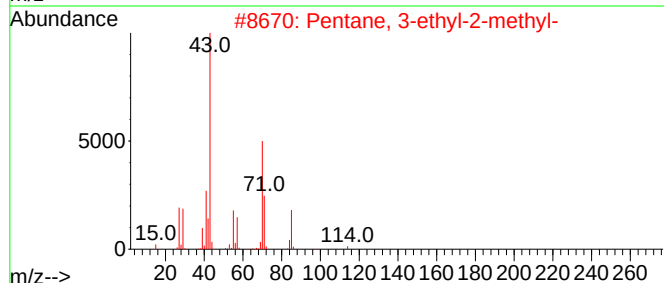
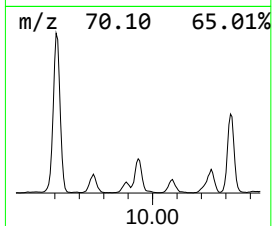
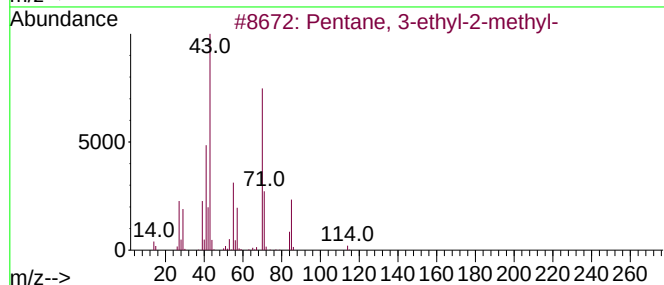
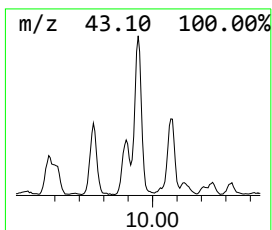
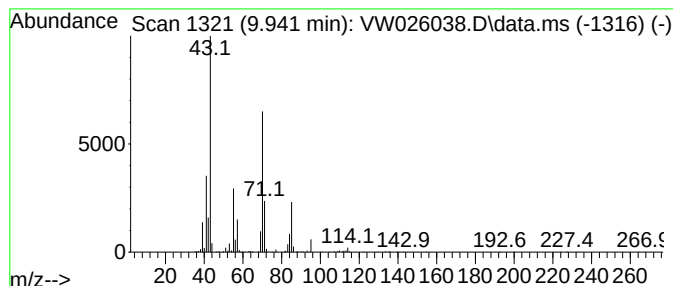
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.941	3.71 ug/L	282414	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	94
2			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	90
3			Acetoacetic acid isoamyl ester	172	C9H16O3	002308-18-1	72
4			Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	50
5			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

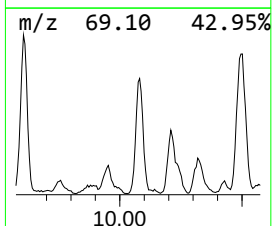
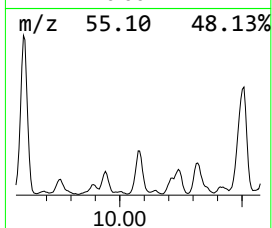
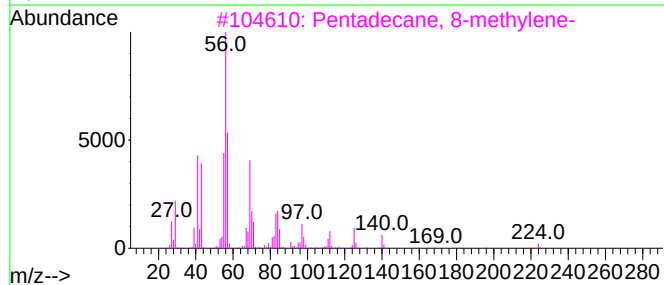
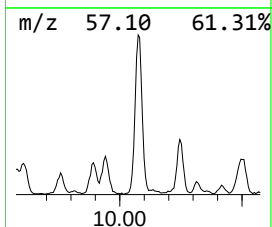
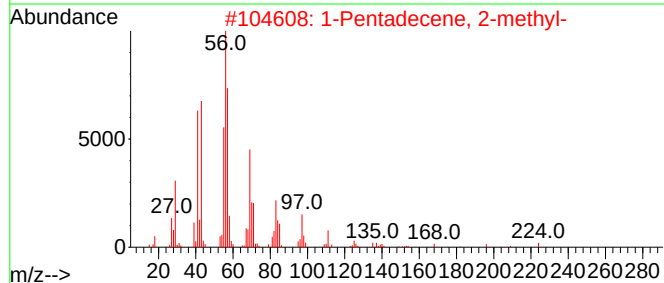
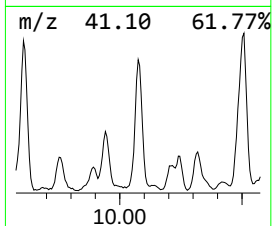
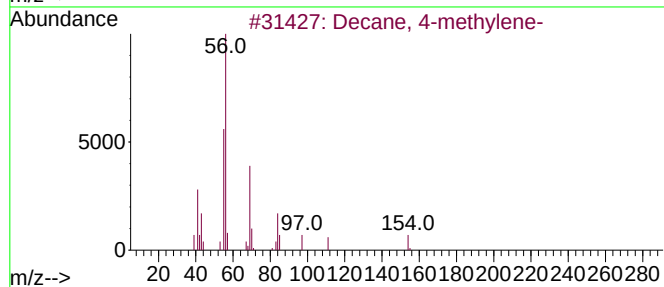
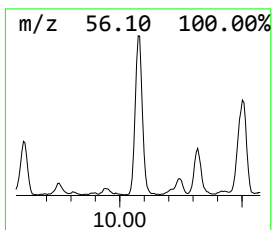
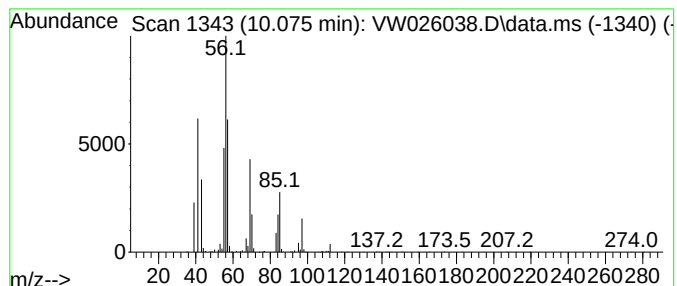
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.075	6.16 ug/L	468689	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 4-methylene-	154	C11H22	024949-41-5	64
2			1-Pentadecene, 2-methyl-	224	C16H32	029833-69-0	56
3			Pentadecane, 8-methylene-	224	C16H32	055668-09-2	56
4			Cyclobutane, butyl-	112	C8H16	013152-44-8	53
5			1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

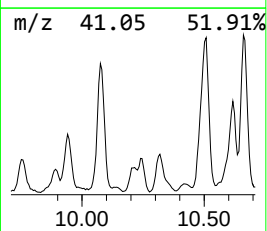
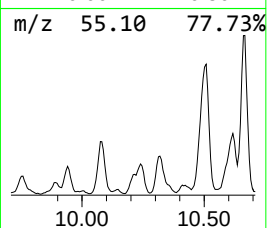
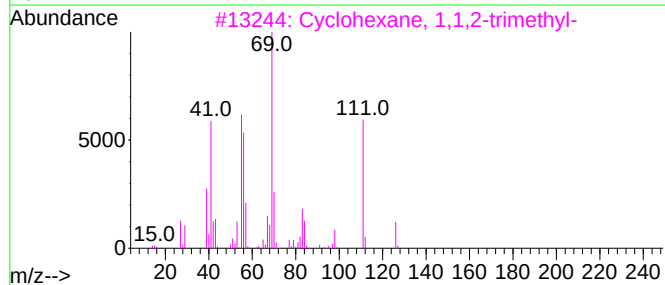
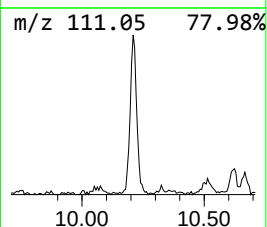
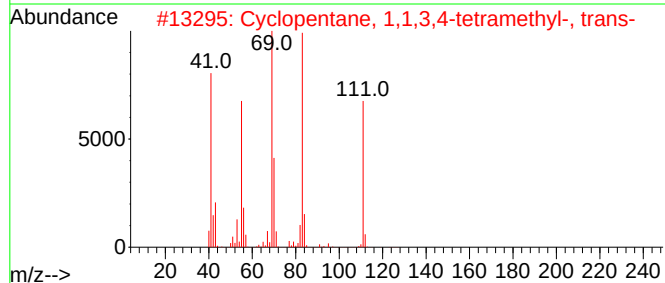
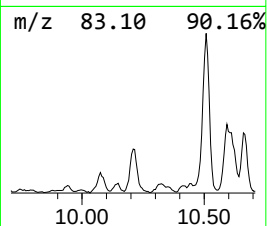
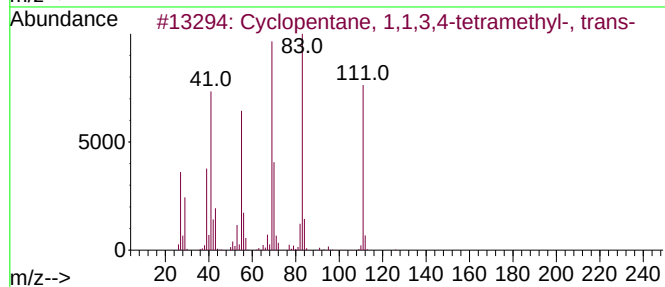
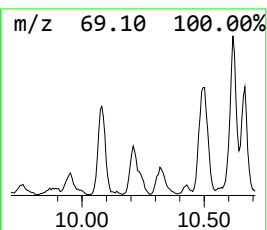
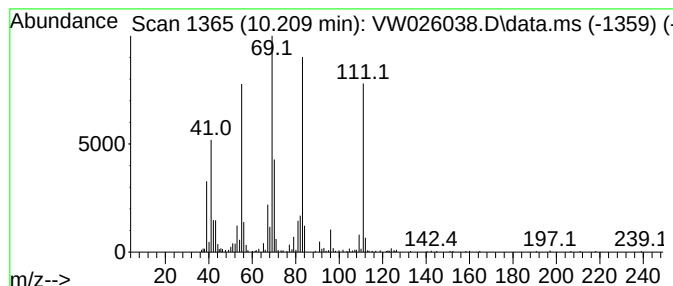
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Cyclic10.209 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.209	1.82 ug/L	138567	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	72
2			Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	59
3			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	50
4			3-Ethyl-6-trifluoroacetoxystyrene	254	C12H21F3O2	1010215-97-3	50
5			1,1'-Bicyclooctyl	222	C16H30	006708-17-4	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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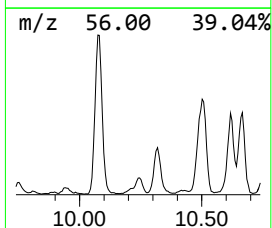
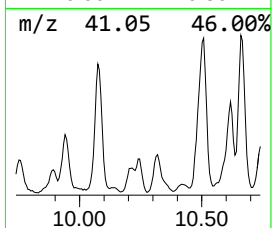
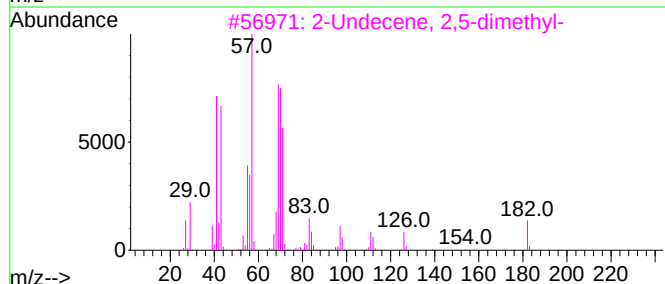
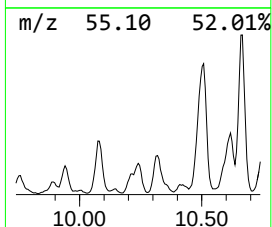
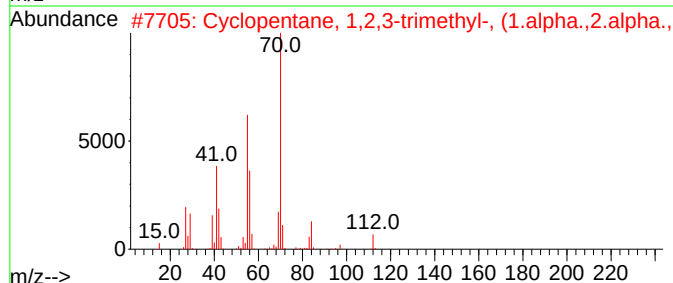
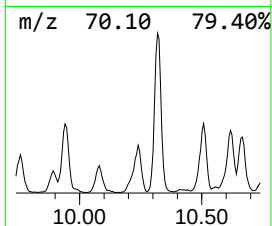
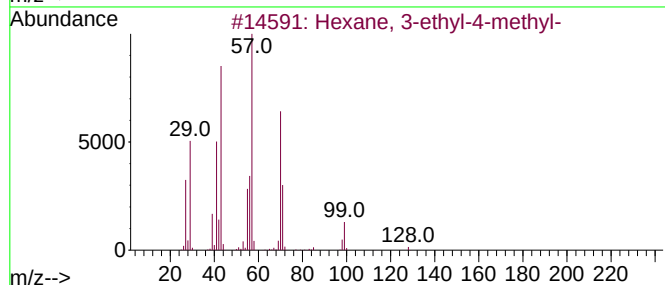
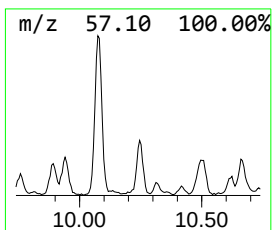
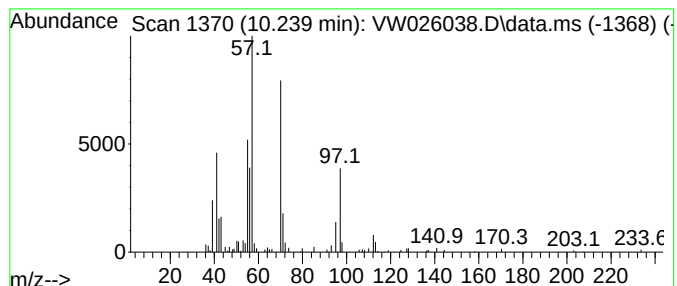
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Quant Title : SFAM01.0

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.240	1.68 ug/L	136083	Chlorobenzene-d5	11.630

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	52
2		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	49
3		2-Undecene, 2,5-dimethyl-	182	C13H26	049622-16-4	45
4		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	43
5		1-Heptene, 3-methyl-	112	C8H16	004810-09-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

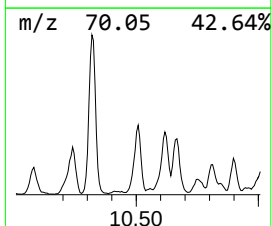
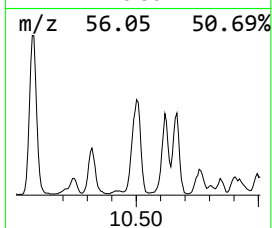
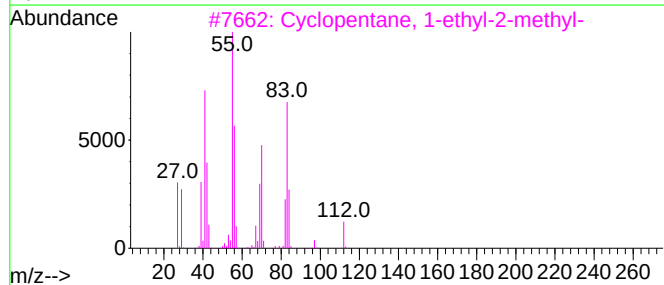
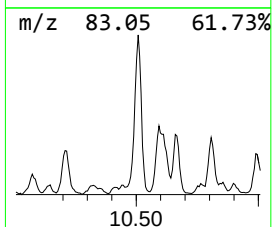
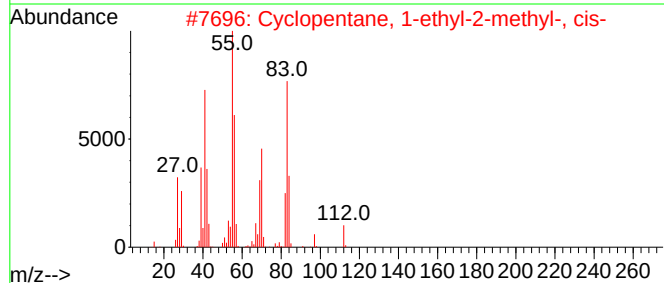
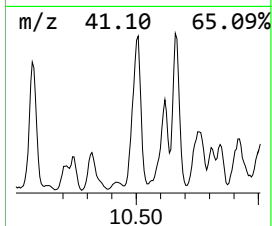
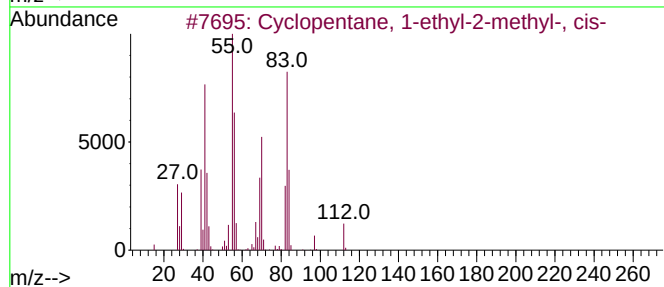
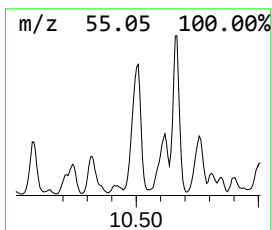
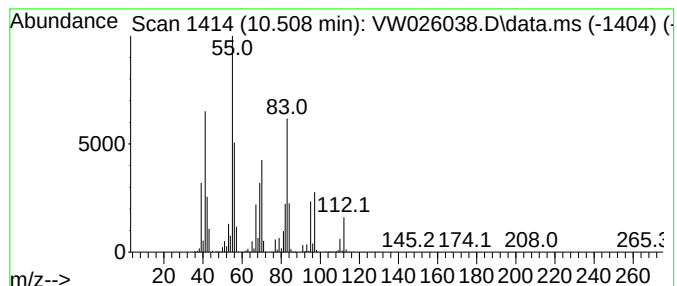
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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Cyclic10.508 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.508	11.63 ug/L	944014	Chlorobenzene-d5	11.630

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	93
2			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	64
3			Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	58
4			4-Octene, (E)-	112	C8H16	014850-23-8	55
5			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

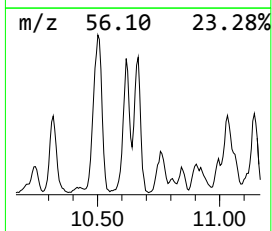
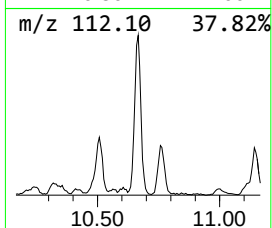
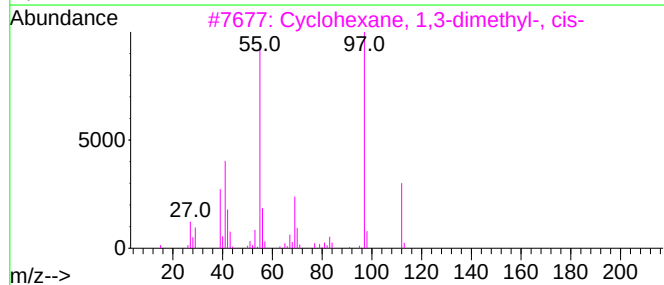
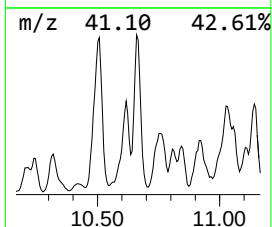
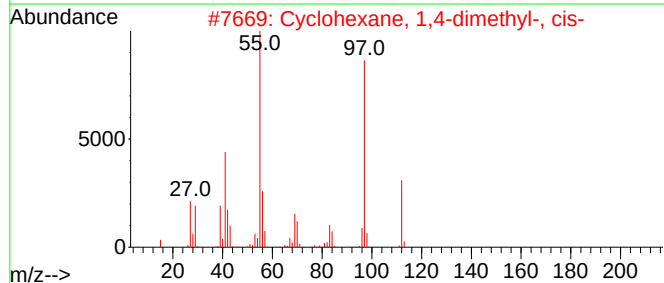
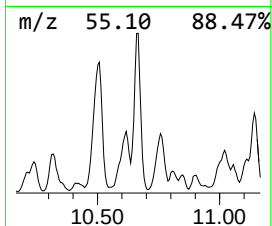
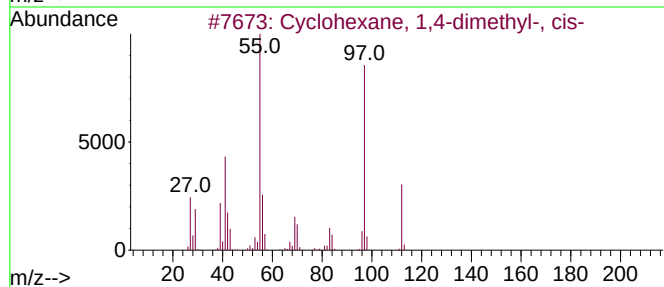
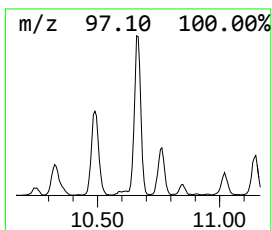
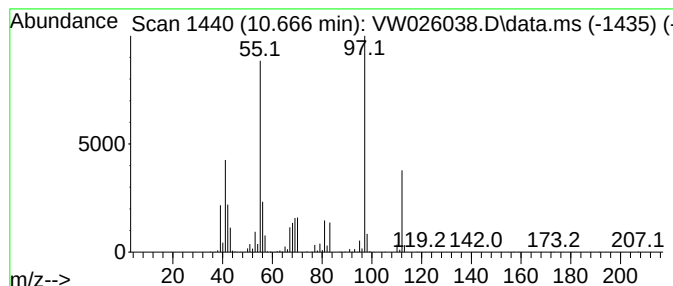
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Cyclic10.666 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.666	8.98 ug/L	728981	Chlorobenzene-d5	11.630

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90
2		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90
3		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	87
4		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	87
5		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

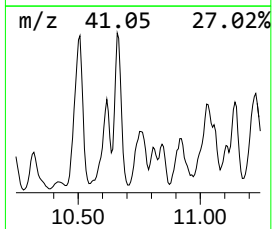
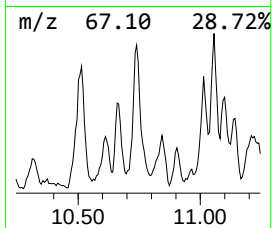
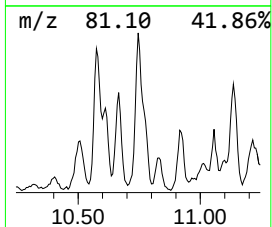
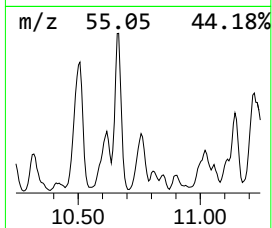
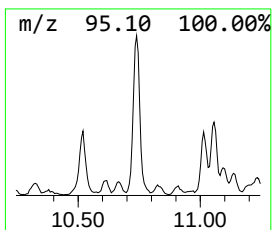
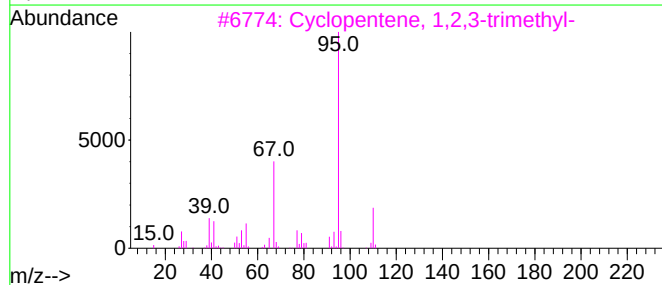
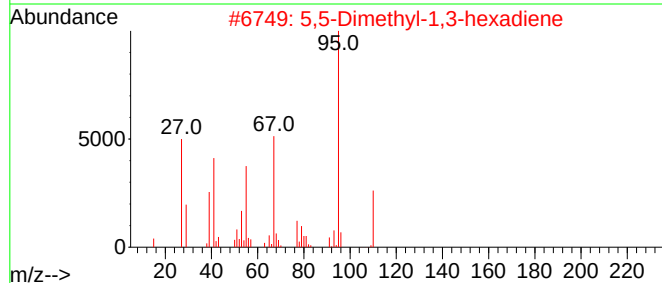
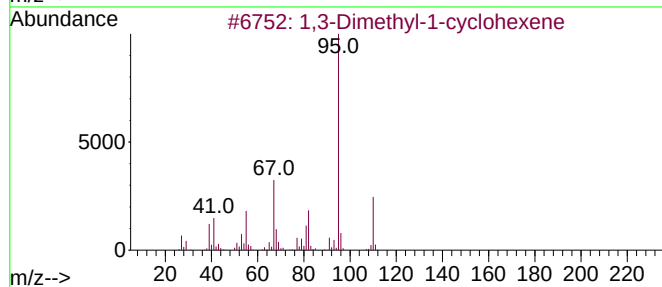
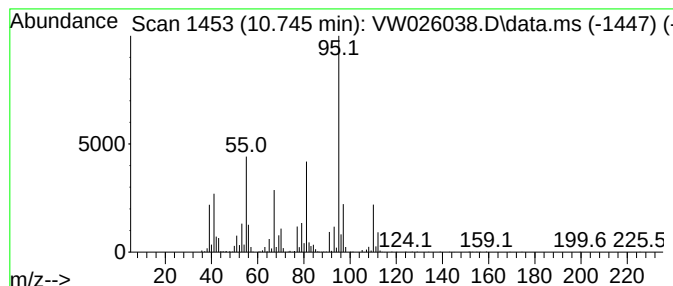
Instrument :
MSVOA_W
ClientSampleId :
EW979

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 17 1,3-Dimethyl-1-cyclohexene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.746	6.92 ug/L	562019	Chlorobenzene-d5		11.630	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1,3-Dimethyl-1-cyclohexene		110	C8H14	002808-76-6	72
2	5,5-Dimethyl-1,3-hexadiene		110	C8H14	001515-79-3	68
3	Cyclopentene, 1,2,3-trimethyl-		110	C8H14	000473-91-6	64
4	1,3-Dimethyl-1-cyclohexene		110	C8H14	002808-76-6	64
5	4-Methyl-1,3-heptadiene		110	C8H14	017603-57-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

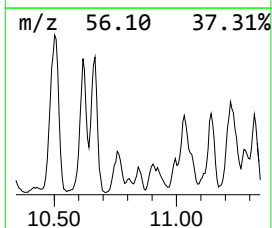
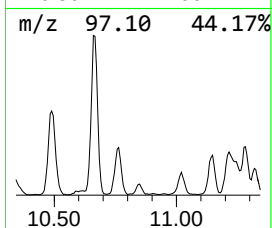
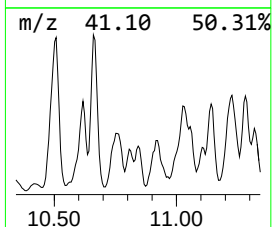
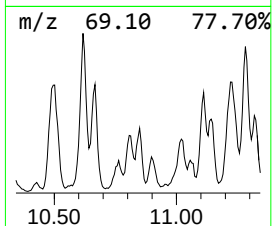
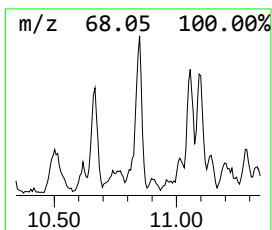
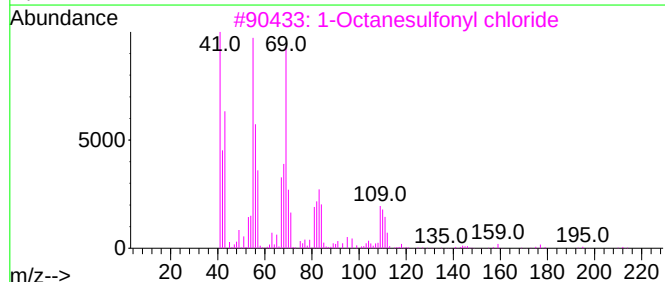
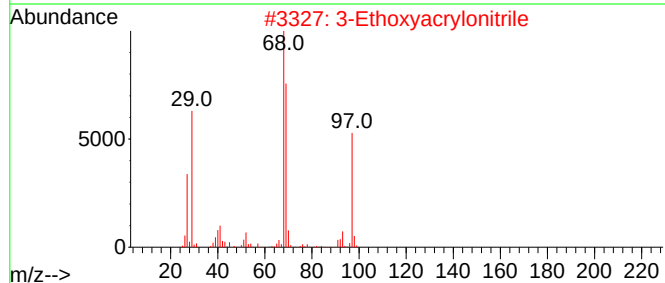
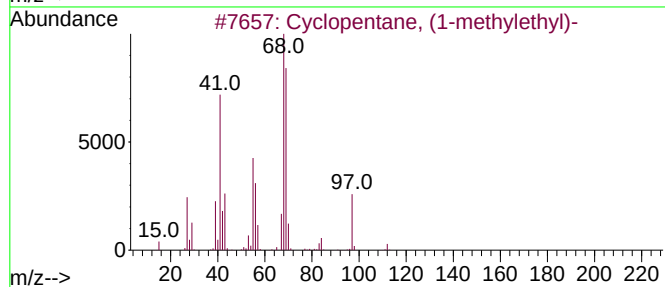
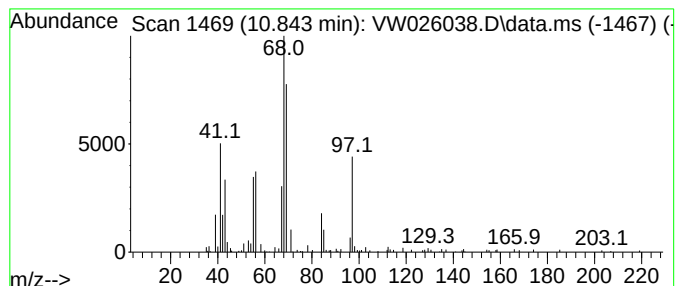
Instrument :
MSVOA_W
ClientSampleId :
EW979

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Cyclic10.843 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.843	1.69 ug/L	137354	Chlorobenzene-d5		11.630	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclopentane, (1-methylethyl)-		112	C8H16	003875-51-2	64
2	3-Ethoxyacrylonitrile		97	C5H7NO	061310-53-0	45
3	1-Octanesulfonyl chloride		212	C8H17ClO2S	007795-95-1	43
4	Cyclopentane, propyl-		112	C8H16	002040-96-2	43
5	1H-1,2,4-Triazole, 3,5-dimethyl-		97	C4H7N3	007343-34-2	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

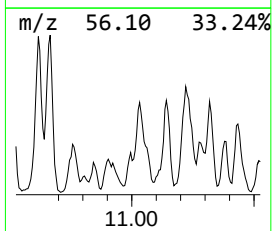
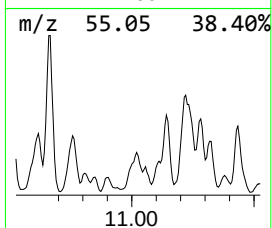
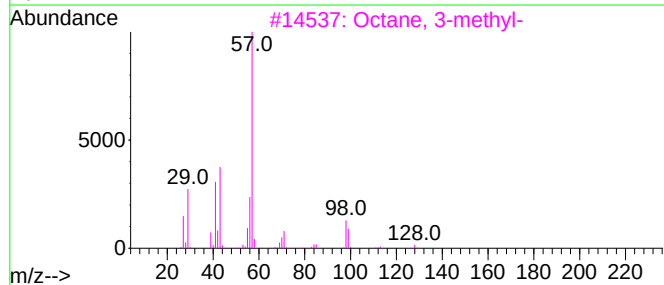
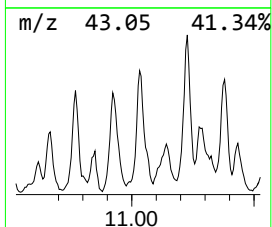
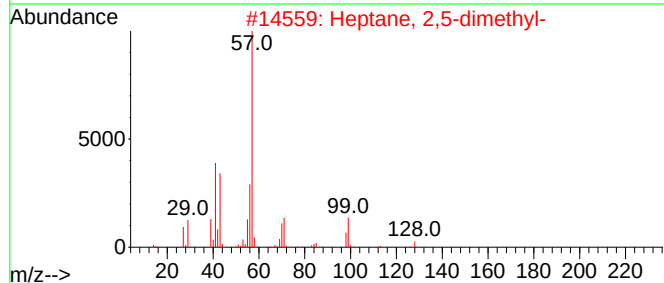
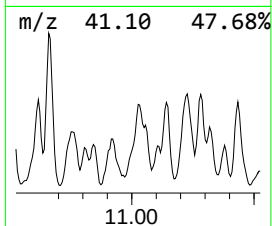
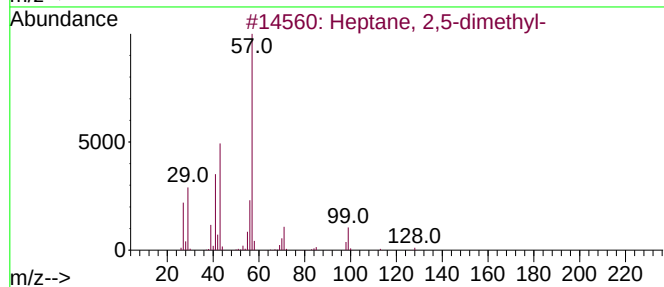
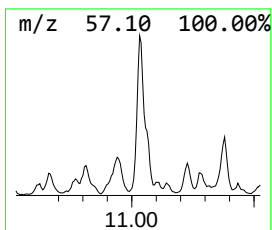
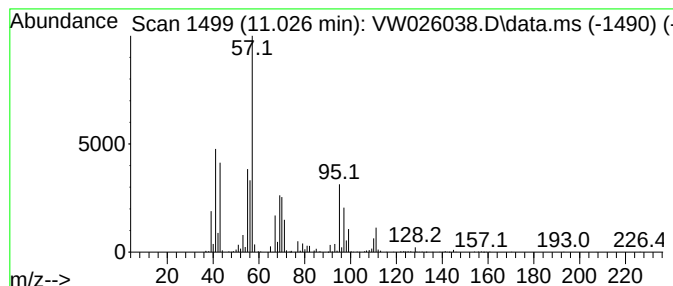
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.026	6.34 ug/L	514614	Chlorobenzene-d5	11.630

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	43
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	43
3		Octane, 3-methyl-	128	C9H20	002216-33-3	35
4		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	35
5		Octane, 3-methyl-	128	C9H20	002216-33-3	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

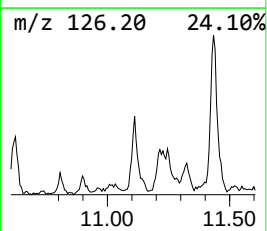
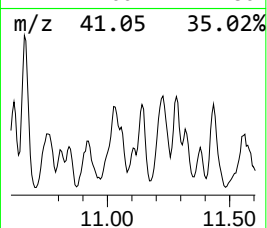
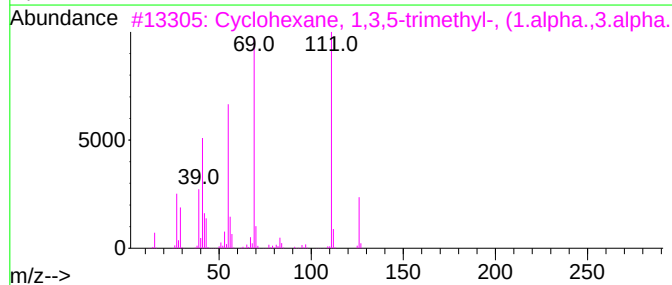
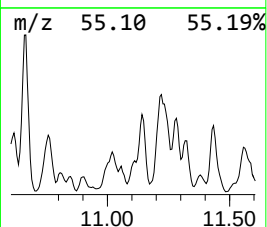
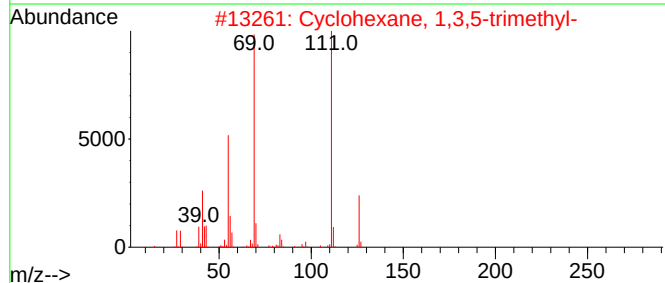
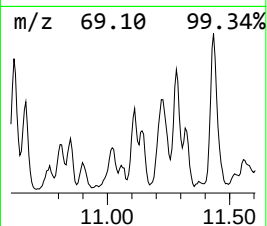
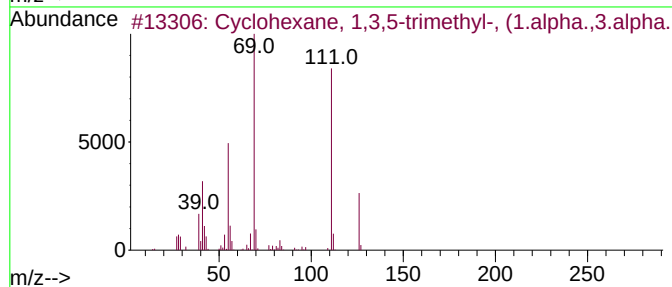
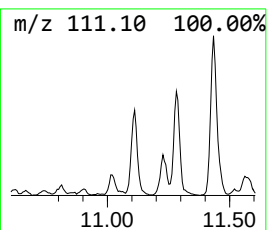
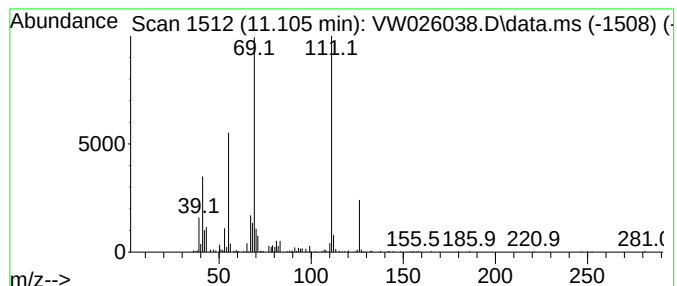
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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Cyclic11.105 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.105	1.51 ug/L	122435	Chlorobenzene-d5	11.630

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	87
2		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
3		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	87
4		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
5		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

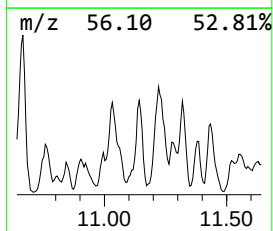
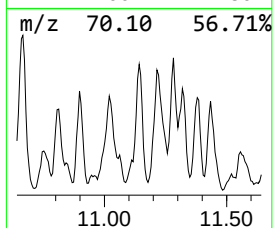
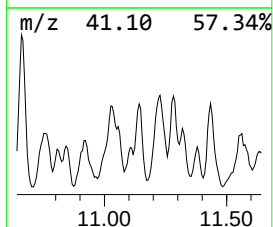
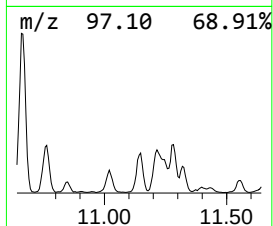
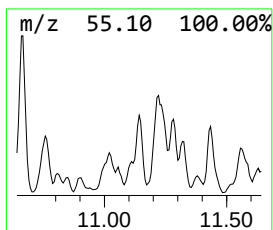
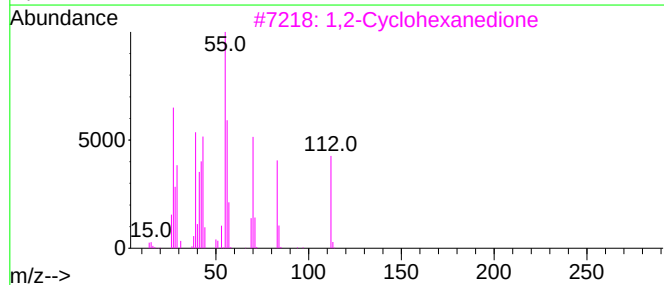
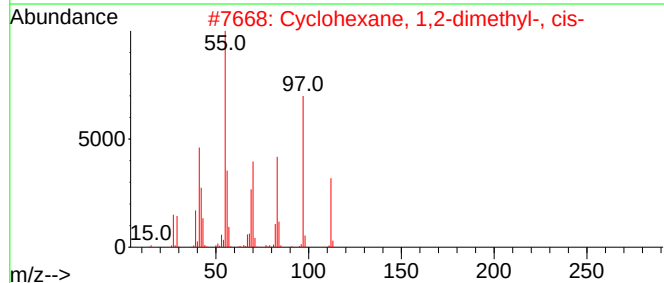
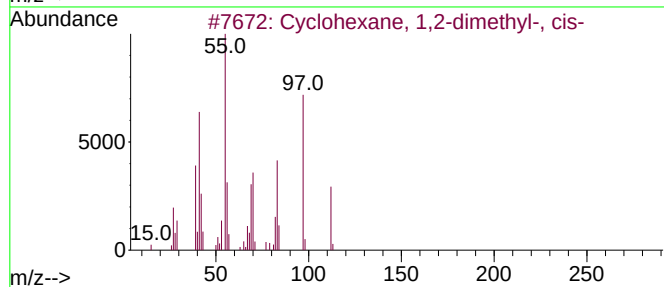
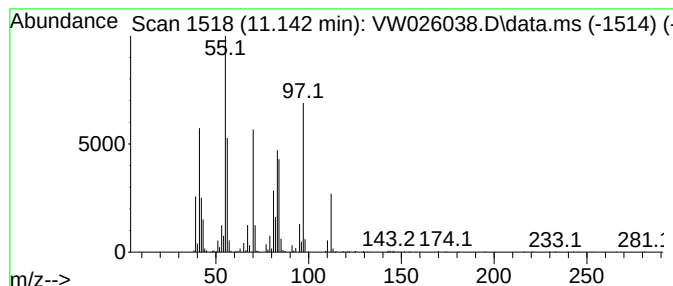
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Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Cyclic11.142 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.142	5.04 ug/L	408860	Chlorobenzene-d5	11.630

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	70
2			Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	64
3			1,2-Cyclohexanedione	112	C6H8O2	000765-87-7	62
4			1,2-Cyclohexanedione	112	C6H8O2	000765-87-7	58
5			2-Octene, (E)-	112	C8H16	013389-42-9	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

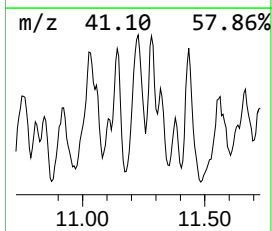
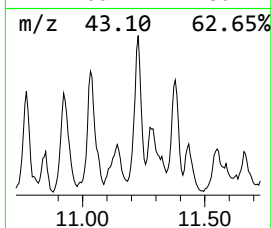
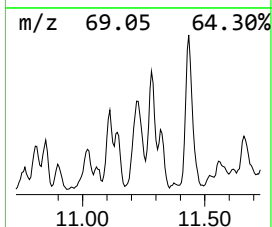
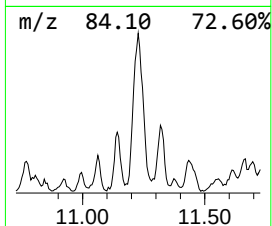
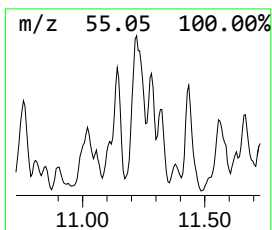
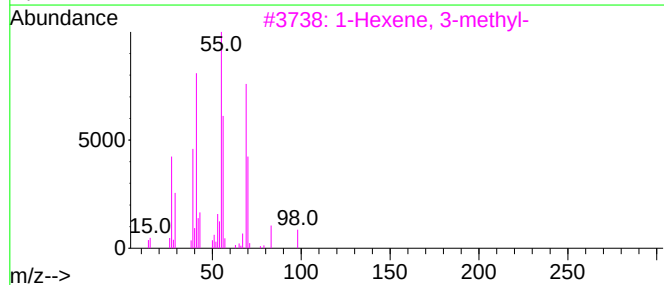
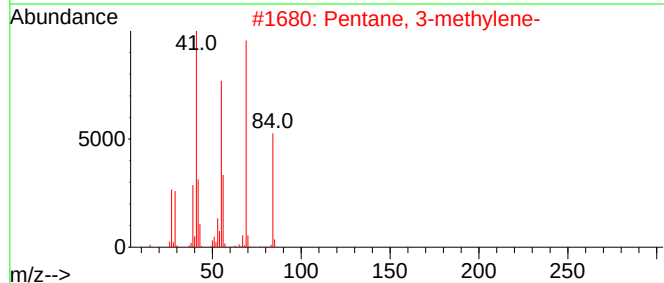
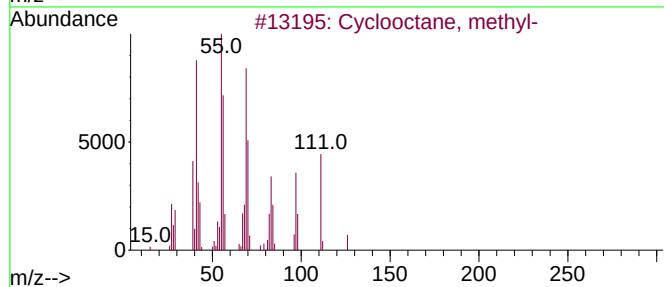
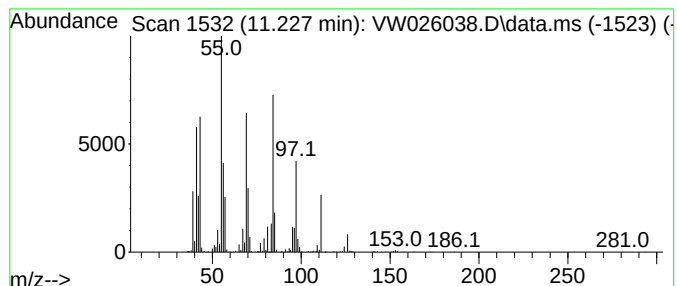
Instrument :
MSVOA_W
ClientSampleId :
EW979

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Cyclic11.227 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.227	9.36 ug/L	759991	Chlorobenzene-d5		11.630	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclooctane, methyl-		126	C9H18	001502-38-1	49
2	Pentane, 3-methylene-		84	C6H12	000760-21-4	46
3	1-Hexene, 3-methyl-		98	C7H14	003404-61-3	35
4	cis-2-Nonene		126	C9H18	006434-77-1	30
5	2-Acetylpiperidine		127	C7H13NO	097073-22-8	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

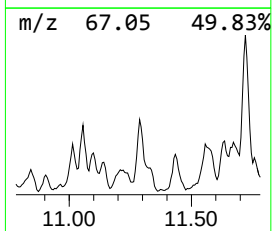
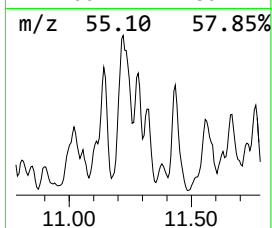
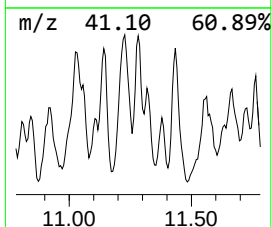
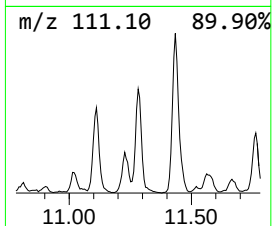
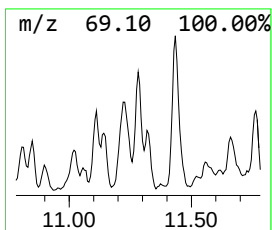
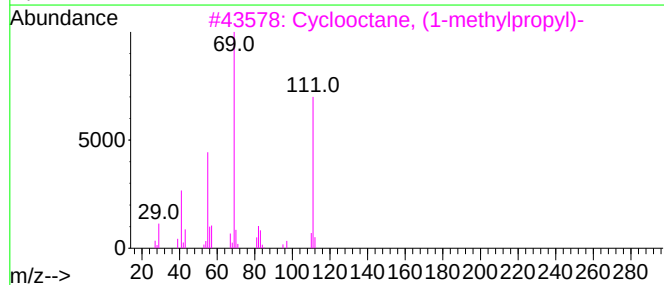
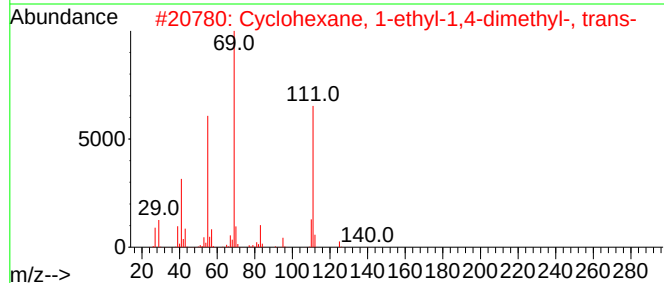
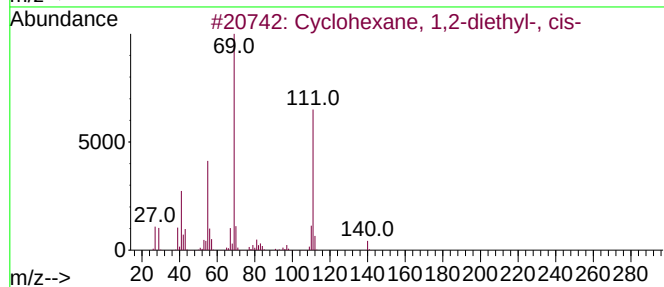
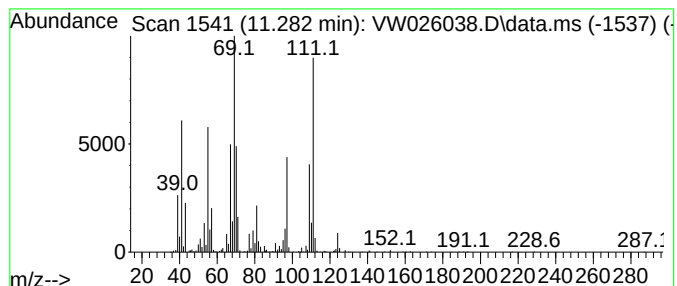
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Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Cyclic11.282 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.282	3.84 ug/L	312015	Chlorobenzene-d5	11.630

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	43
2		Cyclohexane, 1-ethyl-1,4-dimethyl...	140	C10H20	062238-32-8	43
3		Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	38
4		Cyclooctane, ethyl-	140	C10H20	013152-02-8	38
5		2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

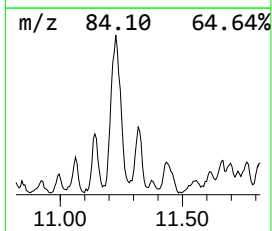
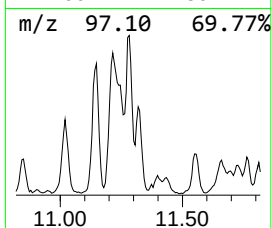
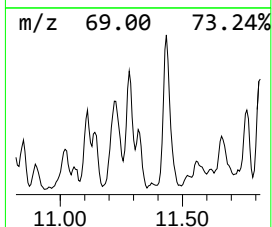
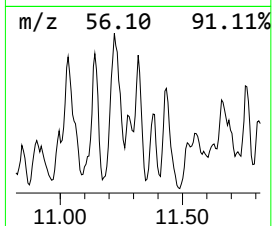
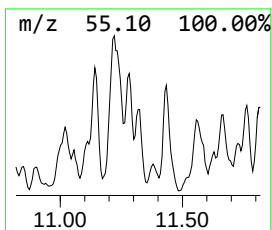
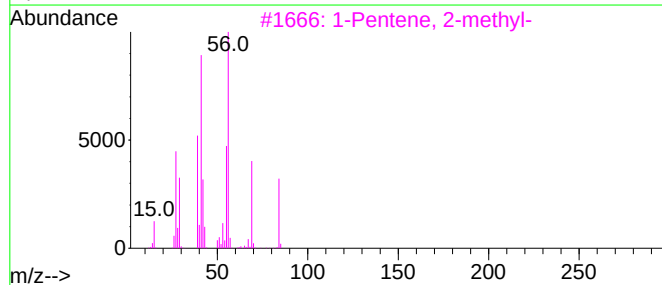
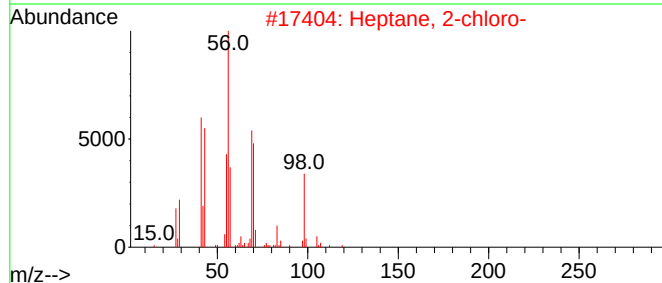
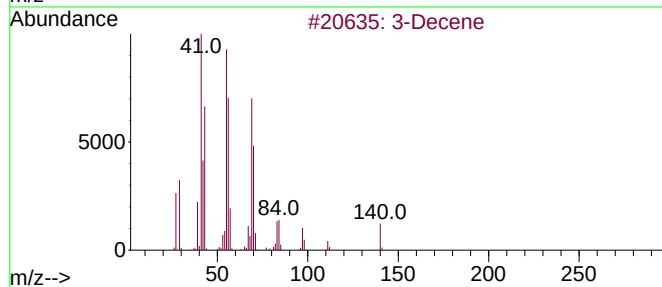
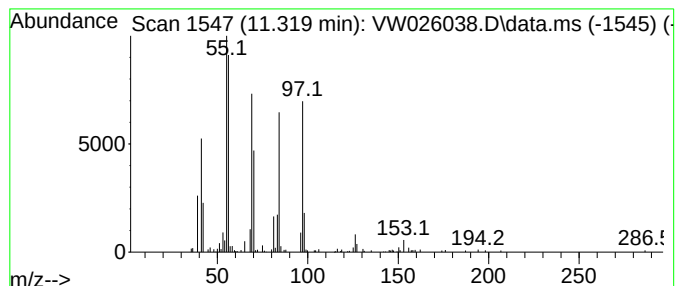
Instrument :
MSVOA_W
ClientSampleId :
EW979

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.319	2.79 ug/L	226662	Chlorobenzene-d5		11.630	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	3-Decene		140	C10H20	019398-37-9	50
2	Heptane, 2-chloro-		134	C7H15Cl	001001-89-4	50
3	1-Pentene, 2-methyl-		84	C6H12	000763-29-1	50
4	Cyclopentane, 1,2-dimethyl-, trans-		98	C7H14	000822-50-4	45
5	Isopropylcyclobutane		98	C7H14	000872-56-0	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

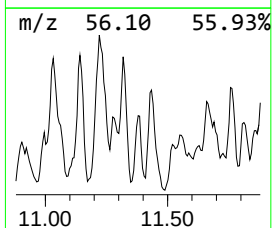
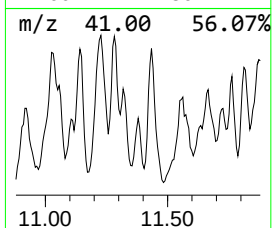
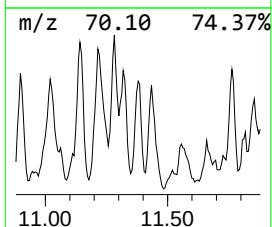
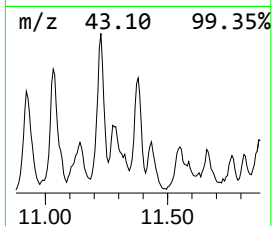
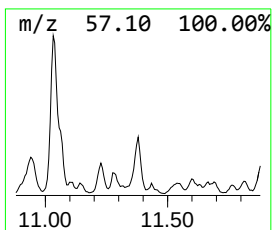
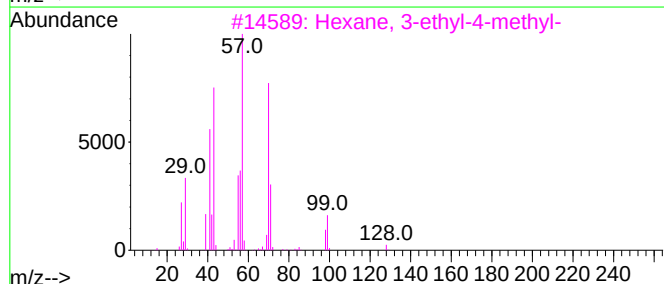
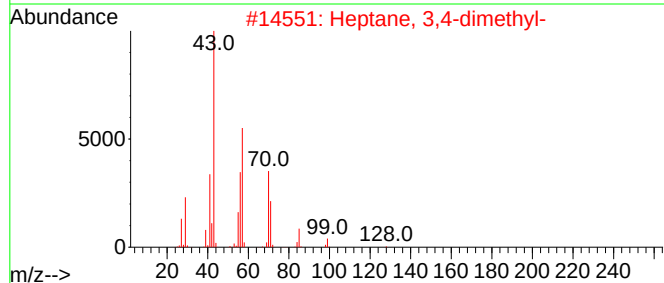
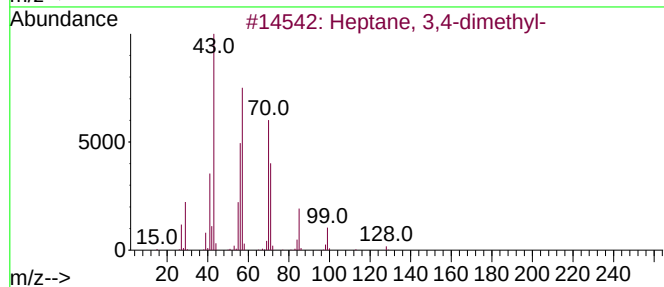
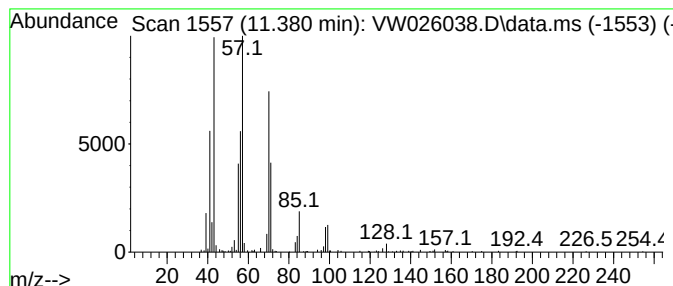
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Quant Title : SFAM01.0

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.380	1.32 ug/L	107526	Chlorobenzene-d5	11.630

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	90
2		Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	78
3		Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	64
4		Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	59
5		Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

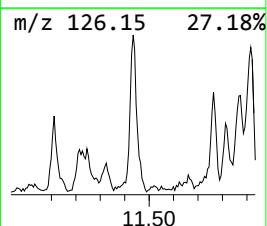
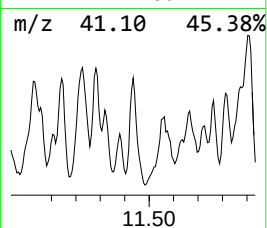
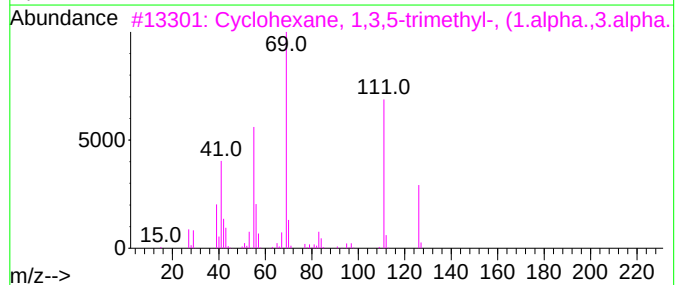
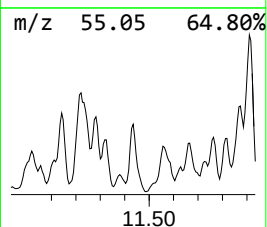
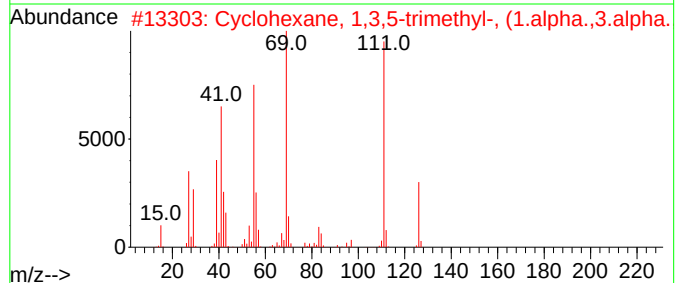
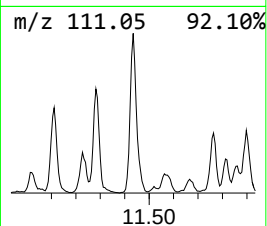
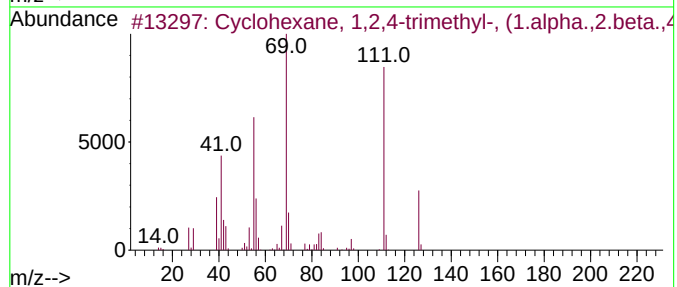
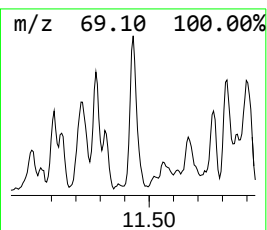
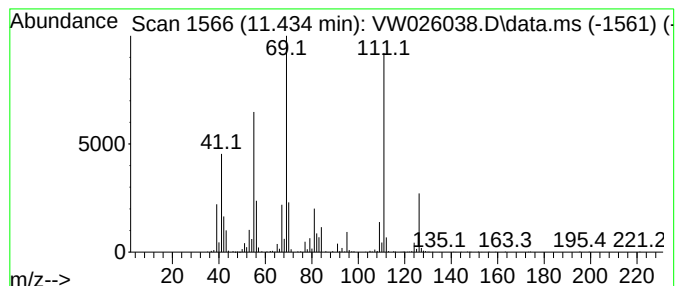
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Quant Title : SFAM01.0

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

Peak Number 26 (DEL) Alkane: Cyclic11.434 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.434	6.65 ug/L	539734	Chlorobenzene-d5	11.630

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	87
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	81
3			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	74
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	70
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

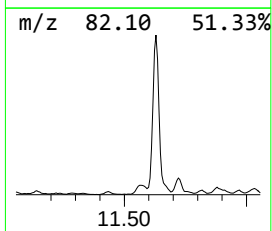
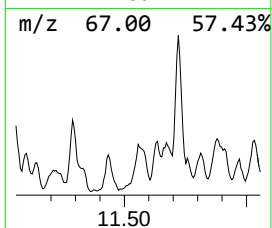
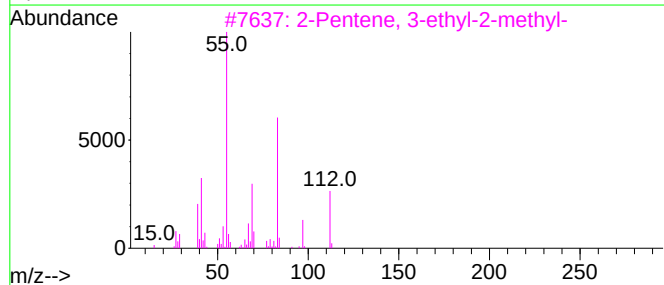
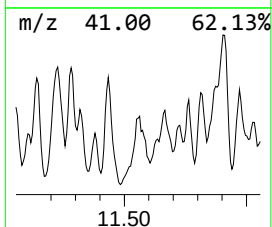
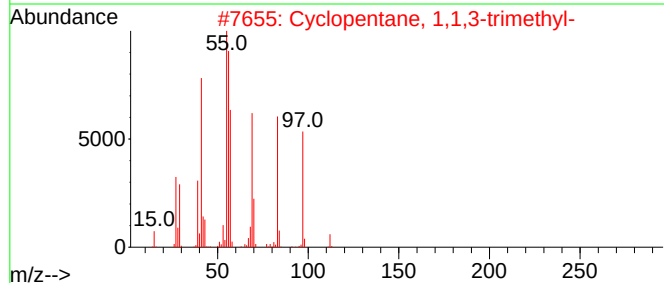
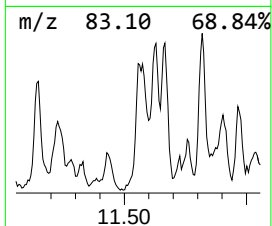
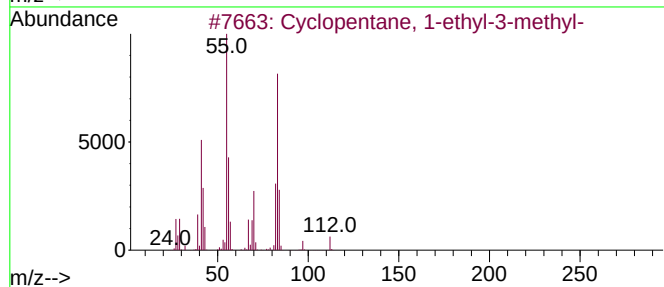
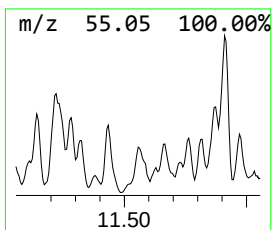
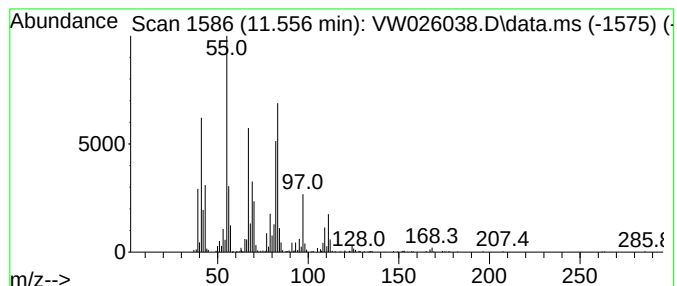
Instrument :
MSVOA_W
ClientSampleId :
EW979

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 27 (DEL) Alkane: Cyclic11.556 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.556	6.12 ug/L	496933	Chlorobenzene-d5	11.630
Hit#	of 5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopentane, 1-ethyl-3-methyl-	112 C8H16	003726-47-4 46
2		Cyclopentane, 1,1,3-trimethyl-	112 C8H16	004516-69-2 38
3		2-Pentene, 3-ethyl-2-methyl-	112 C8H16	019780-67-7 30
4		Cyclopentane, 1,1,3-trimethyl-	112 C8H16	004516-69-2 30
5		3-Dodecene, (Z)-	168 C12H24	007239-23-8 30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

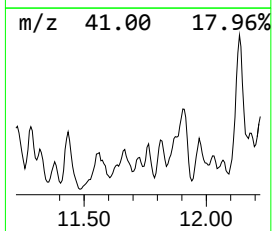
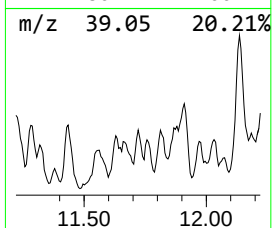
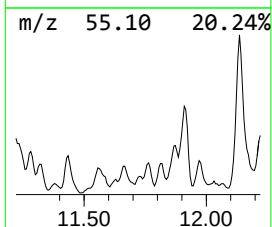
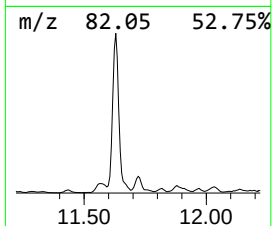
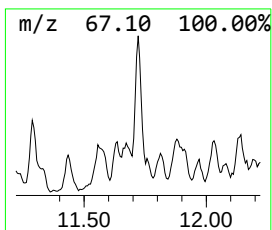
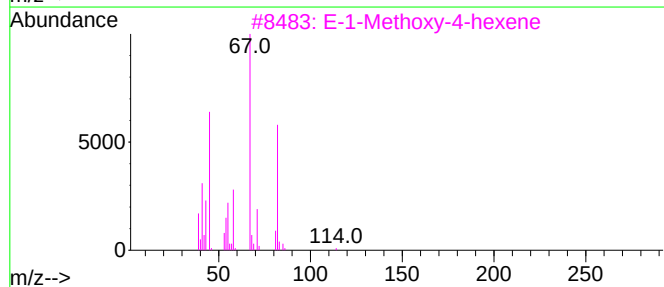
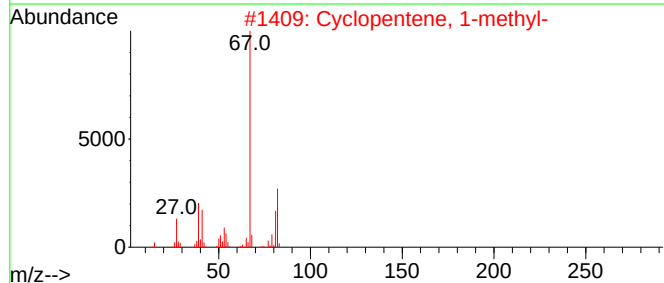
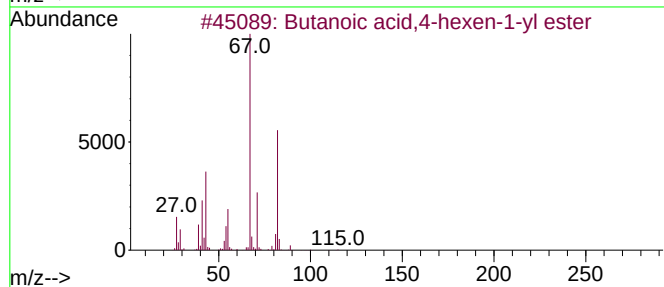
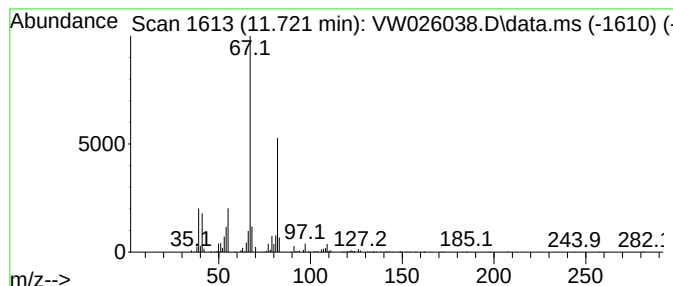
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Quant Title : SFAM01.0

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

Peak Number 28 Butanoic acid,4-hexen-1-yl ... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.721	1.42 ug/L	115504	Chlorobenzene-d5	11.630

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butanoic acid,4-hexen-1-yl ester	170	C10H18O2	1010159-22-7	64
2			Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	64
3			E-1-Methoxy-4-hexene	114	C7H14O	134777-60-9	64
4			1,3-Pentadiene, 3-methyl-, (Z)-	82	C6H10	002787-45-3	64
5			Propanoic acid, 4-hexen-1-yl ester	156	C9H16O2	1000159-22-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

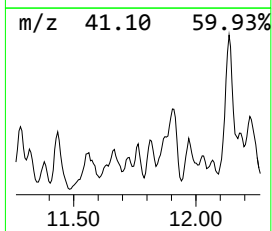
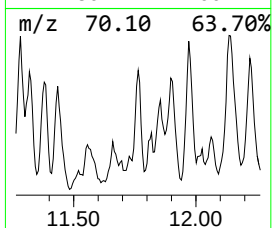
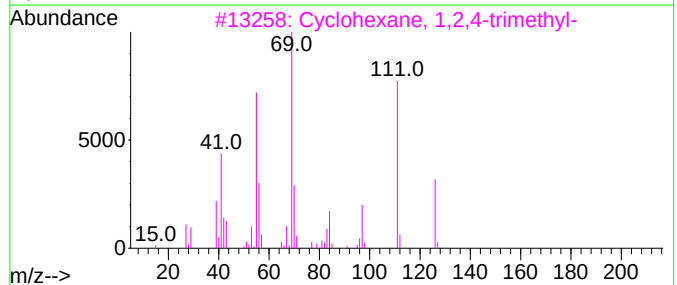
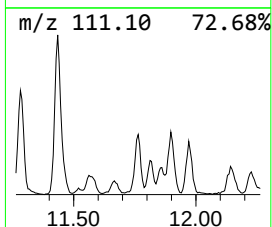
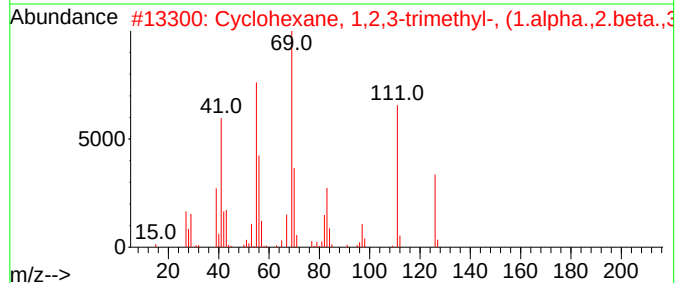
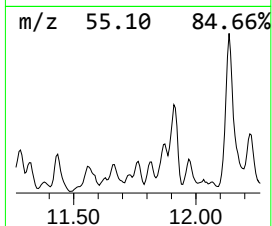
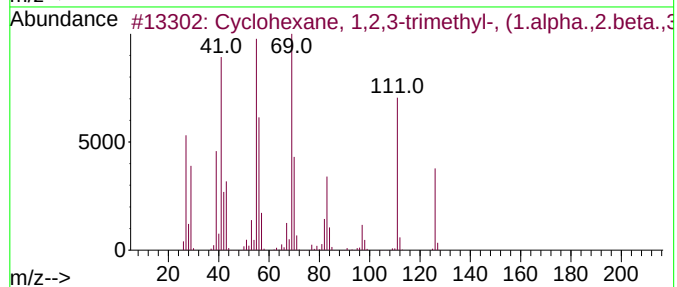
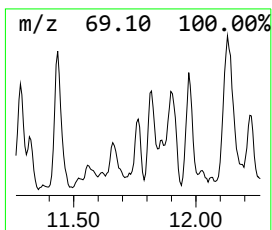
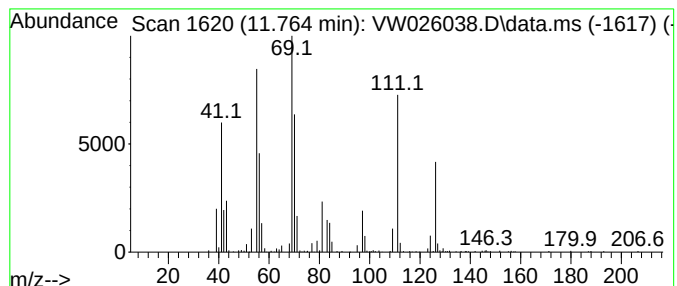
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Quant Title : SFAM01.0

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

Peak Number 29 (DEL) Alkane: Cyclic11.764 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.764	2.47 ug/L	200723	Chlorobenzene-d5	11.630

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	87
2			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	81
3			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	74
4			Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	68
5			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

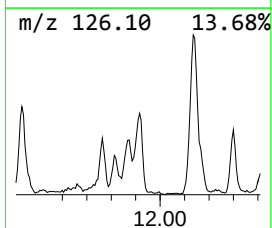
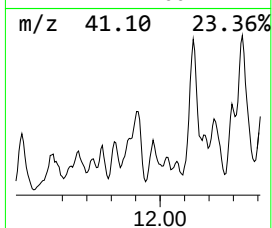
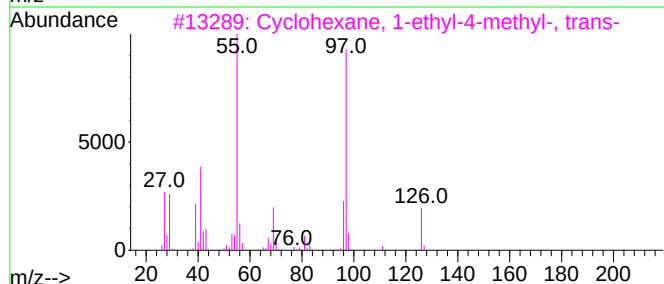
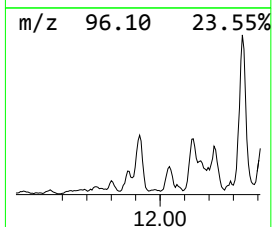
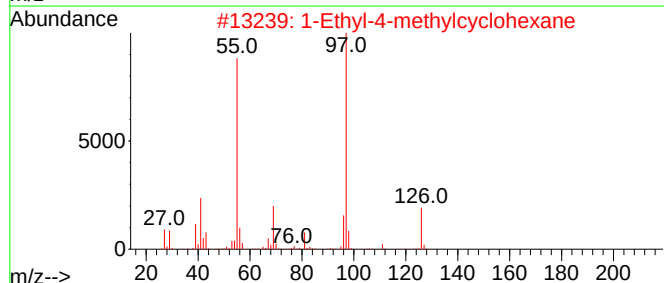
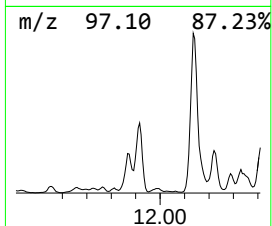
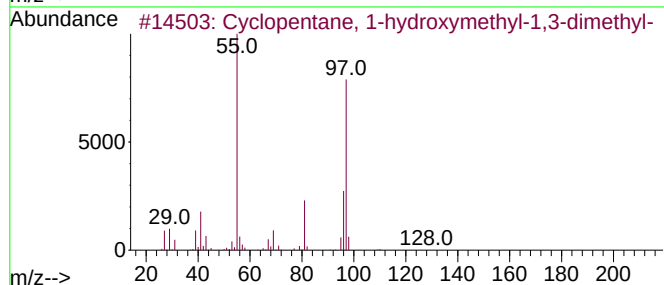
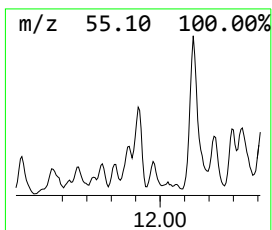
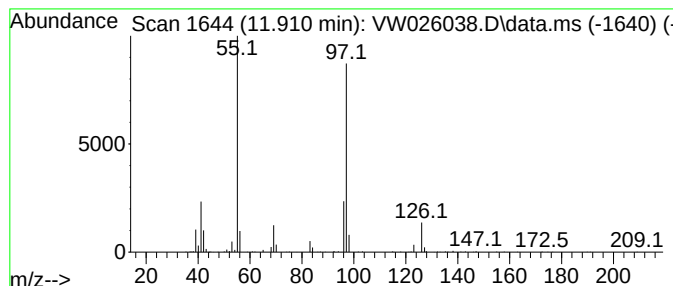
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

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

Peak Number 30 Cyclopentane, 1-hydroxymeth... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.910	7.82 ug/L	635325	Chlorobenzene-d5	11.630	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-hydroxymethyl-1,...	128	C8H16O	1000156-73-8	72
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72
4	Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	72
5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

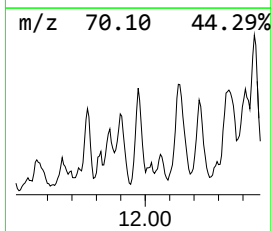
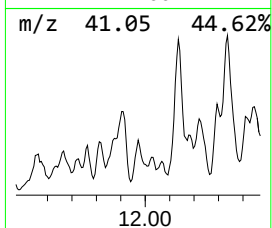
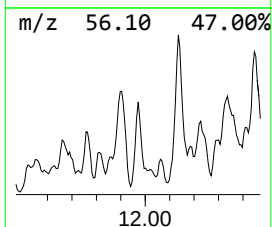
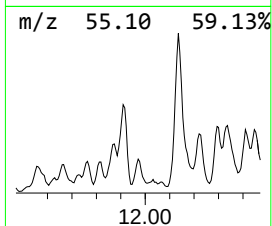
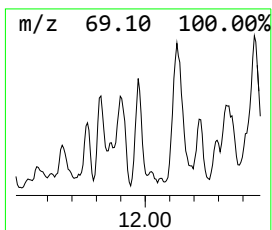
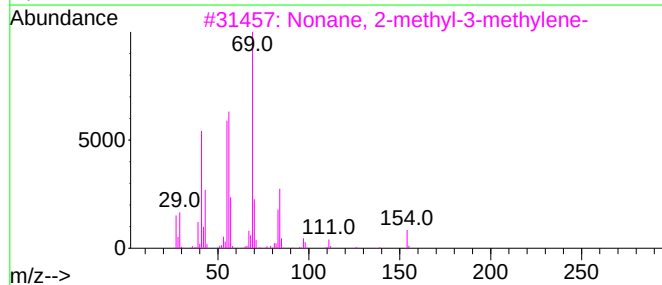
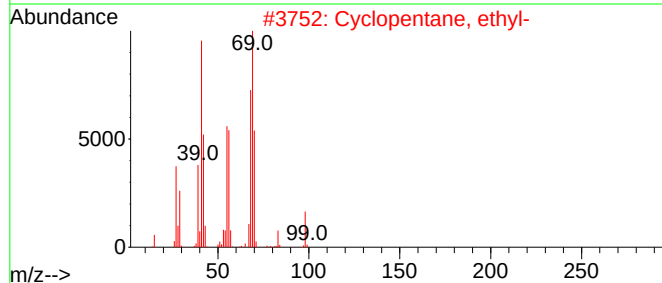
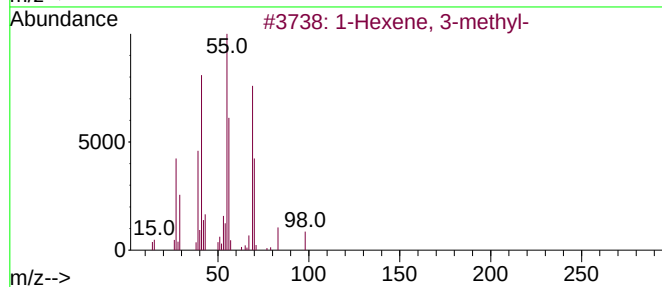
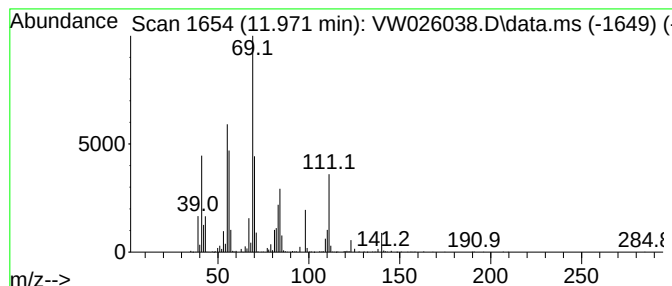
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Quant Title : SFAM01.0

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

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.971	4.89 ug/L	397160	Chlorobenzene-d5	11.630

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexene, 3-methyl-	98	C7H14	003404-61-3	64
2			Cyclopentane, ethyl-	98	C7H14	001640-89-7	58
3			Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	53
4			(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	47
5			Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

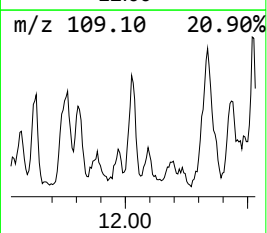
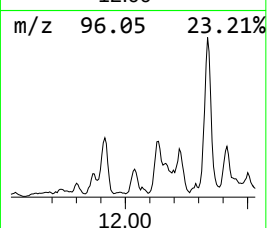
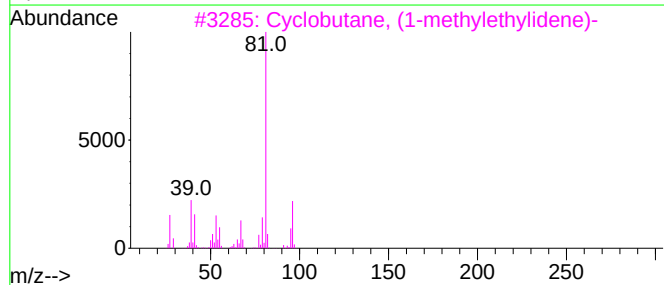
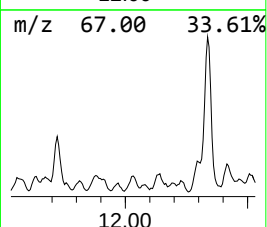
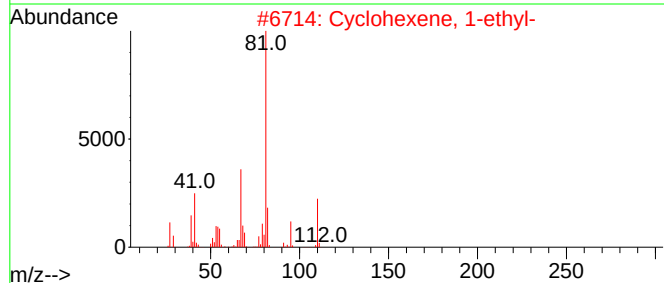
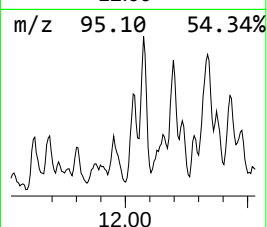
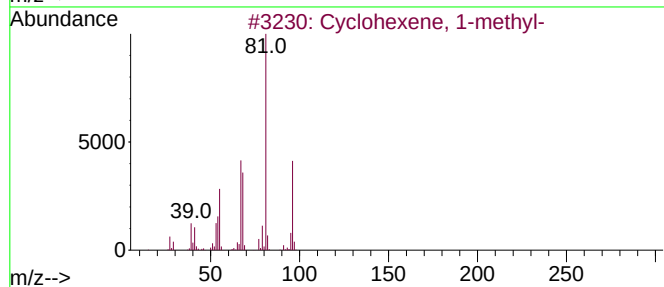
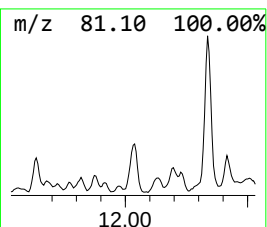
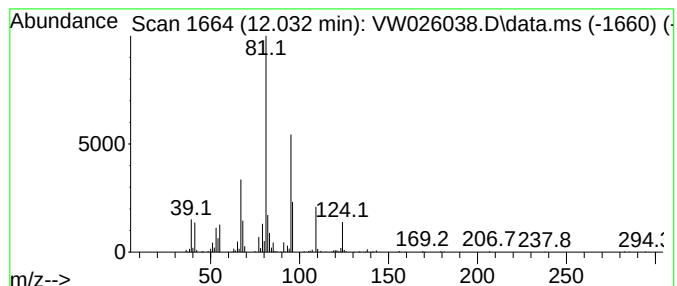
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Quant Title : SFAM01.0

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

Peak Number 32 Cyclohexene, 1-methyl- Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.032	1.53 ug/L	124138	Chlorobenzene-d5	11.630

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	52
2			Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	47
3			Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	47
4			Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	47
5			1-Methylcyclooctene	124	C9H16	000933-11-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

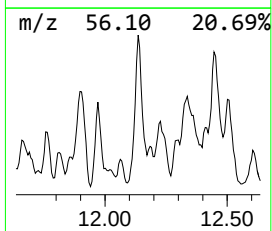
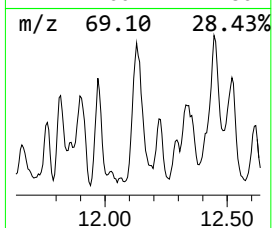
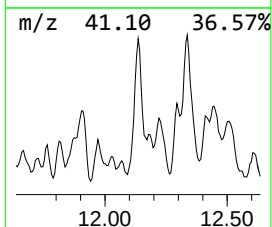
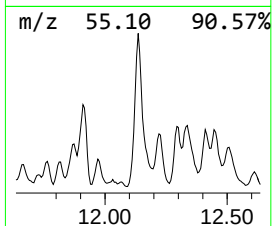
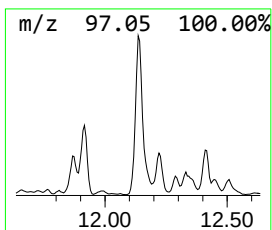
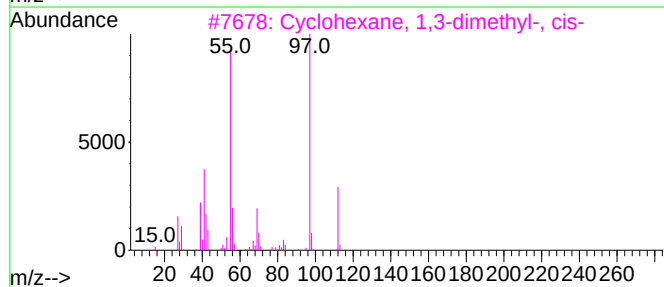
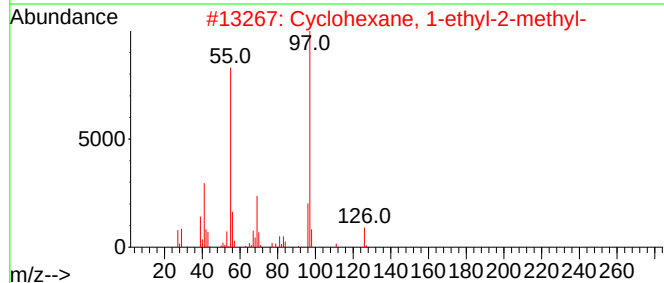
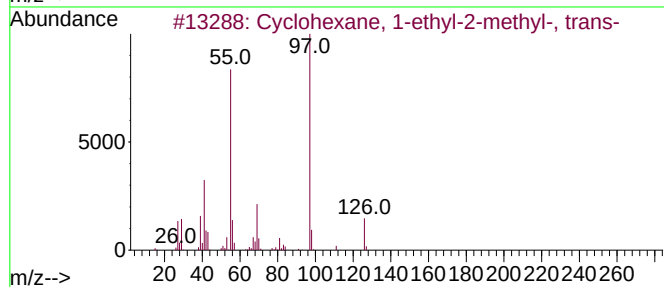
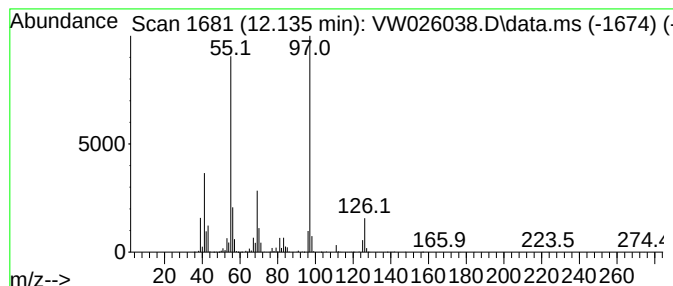
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Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Cyclic12.136 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.136	17.05 ug/L	1384550	Chlorobenzene-d5	11.630

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	91
2		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	87
3		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	80
4		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	80
5		Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

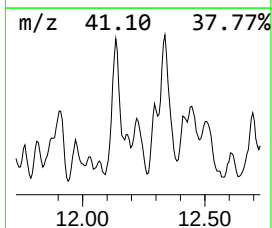
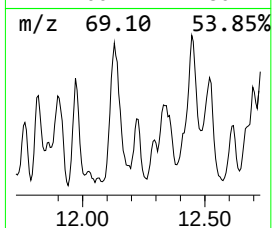
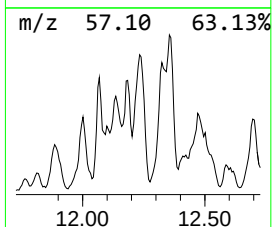
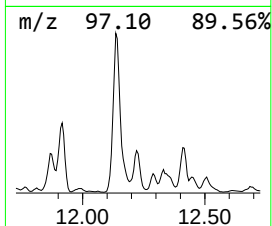
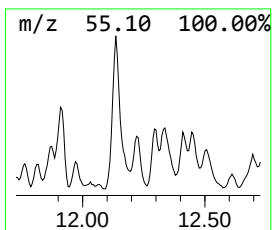
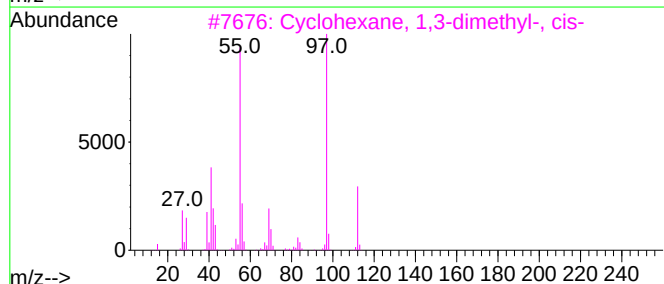
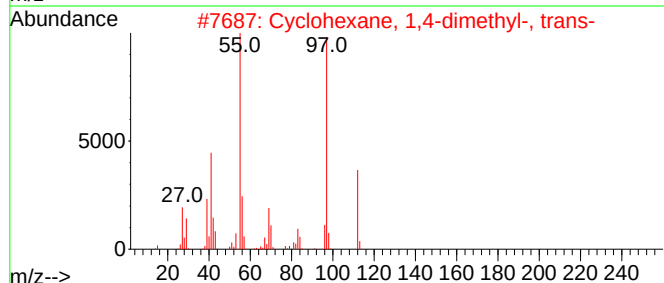
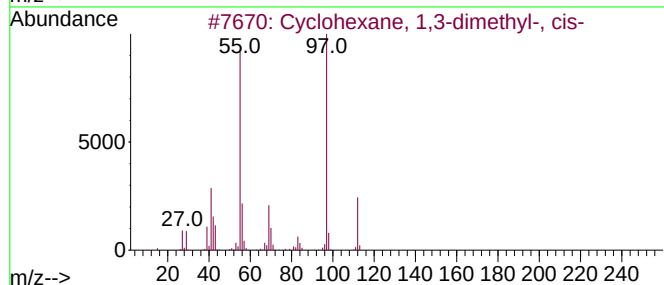
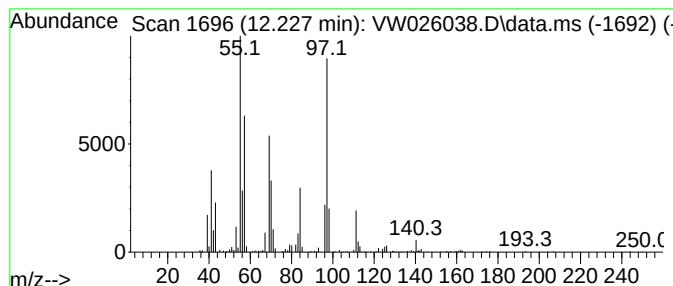
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Quant Title : SFAM01.0

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

Peak Number 34 (DEL) Alkane: Cyclic12.227 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.227	7.43 ug/L	603184	Chlorobenzene-d5	11.630

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	52
2			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	50
3			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	50
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	49
5			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

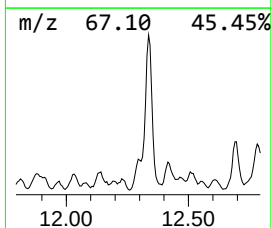
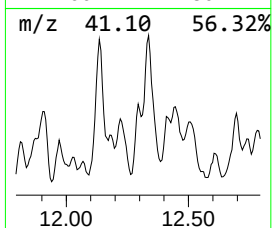
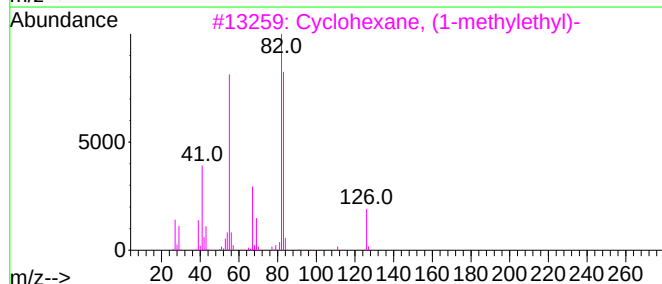
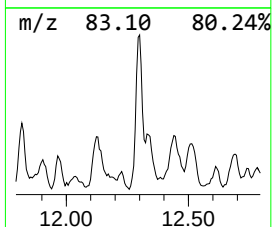
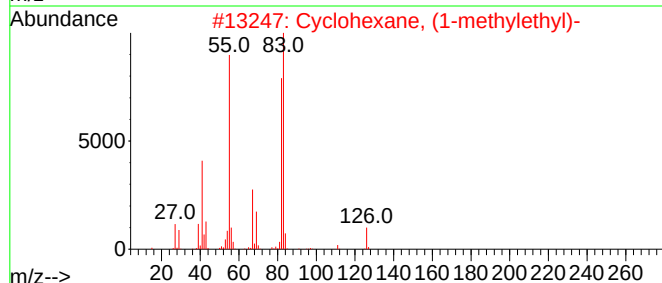
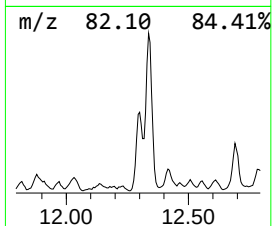
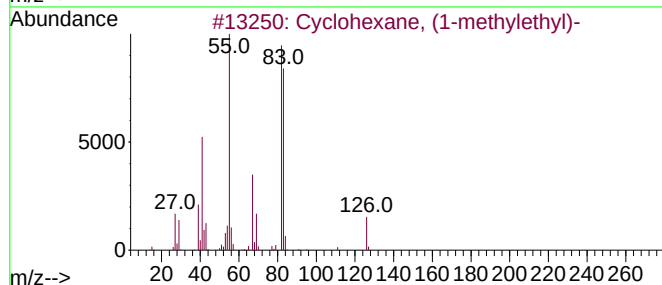
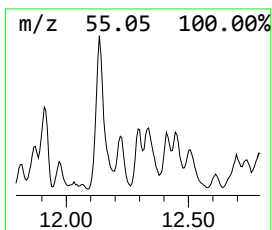
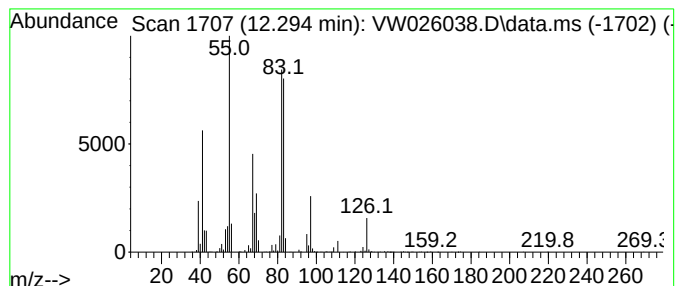
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Quant Title : SFAM01.0

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

Peak Number 35 (DEL) Alkane: Cyclic12.294 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.294	5.59 ug/L	453572	Chlorobenzene-d5	11.630

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
2			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72
3			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	59
4			Cyclohexane, undecyl-	238	C17H34	054105-66-7	53
5			Cyclohexane, butyl-	140	C10H20	001678-93-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

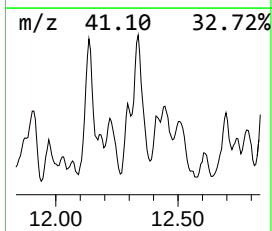
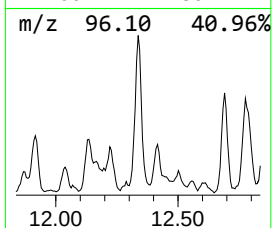
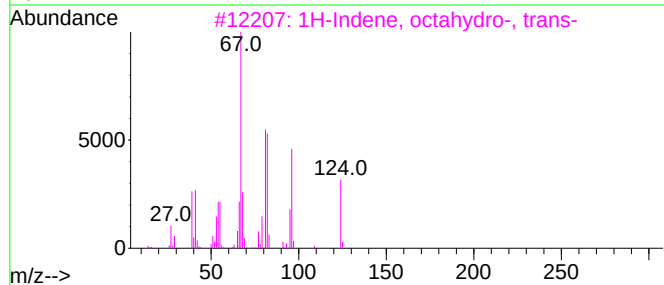
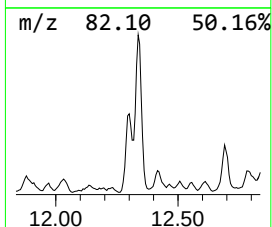
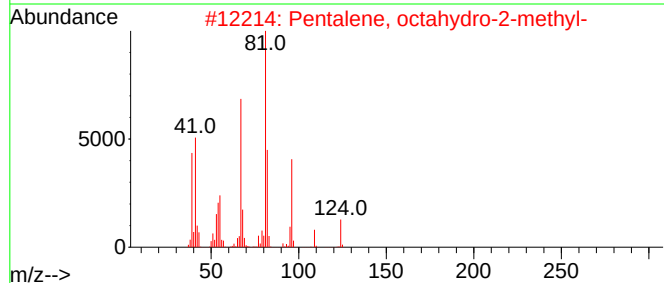
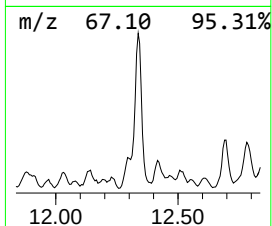
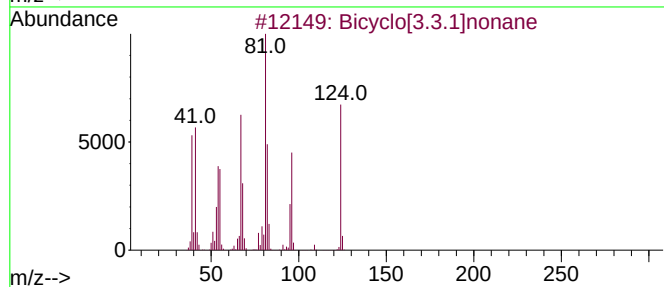
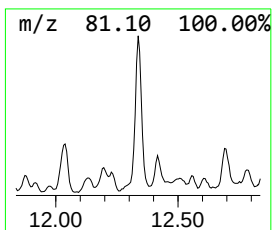
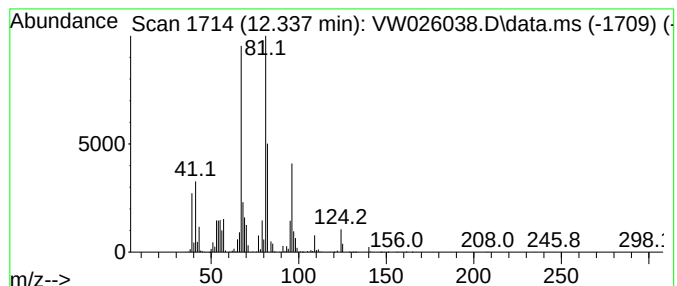
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Quant Title : SFAM01.0

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

Peak Number 36 Bicyclo[3.3.1]nonane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.337	19.08 ug/L	1548920	Chlorobenzene-d5	11.630

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	74
2			Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	64
3			1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	62
4			1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	58
5			Cyclohexane, methylene-	96	C7H12	001192-37-6	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

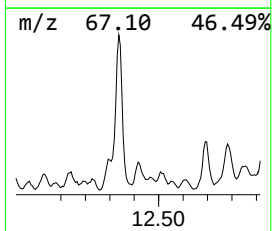
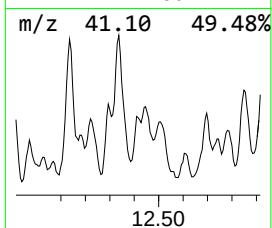
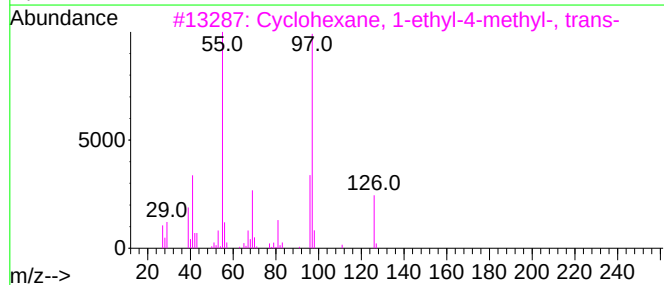
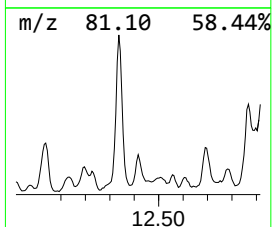
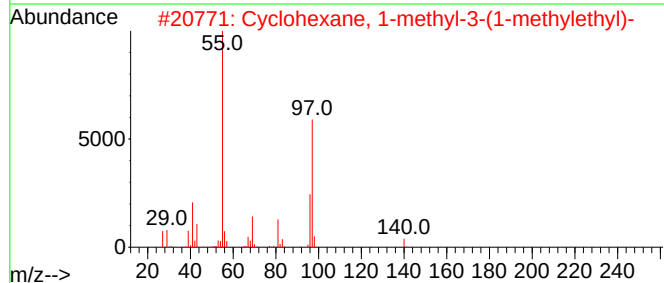
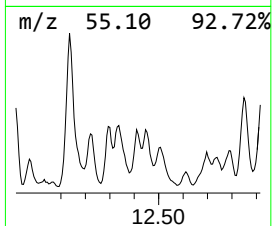
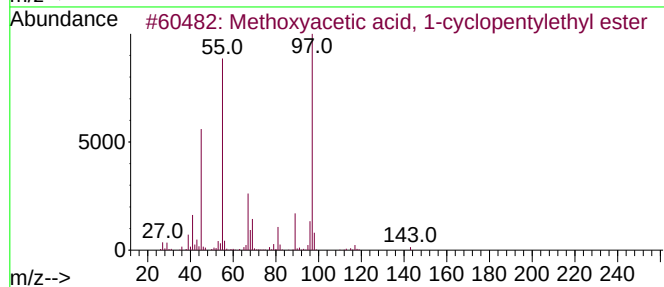
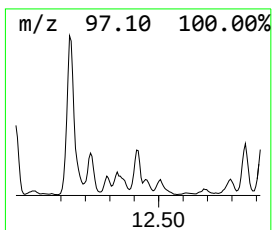
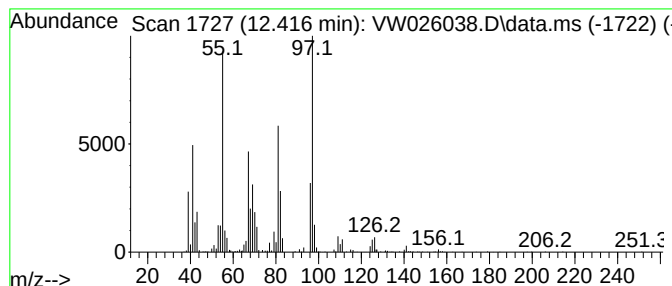
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Quant Title : SFAM01.0

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

Peak Number 37 Methoxyacetic acid, 1-cyclo... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.416	4.67 ug/L	379156	Chlorobenzene-d5	11.630

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Methoxyacetic acid, 1-cyclopenty...	186	C10H18O3	1000282-69-5	72
2			Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	50
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	50
4			1-Methyl-3-piperidinamine, N-(2-...	184	C10H20N2O	1340321-49-4	47
5			Cyclohexane, 1-isopropyl-1-methyl-	140	C10H20	016580-26-0	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

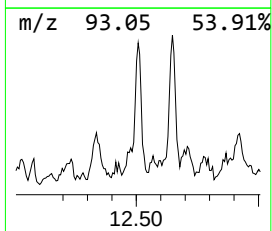
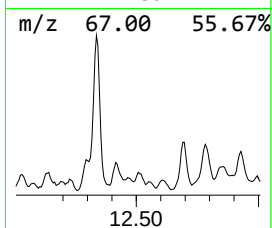
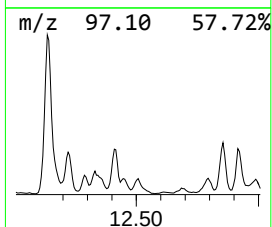
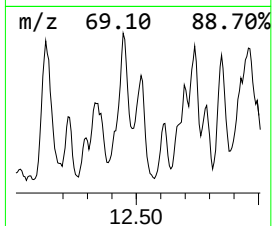
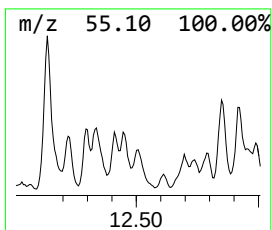
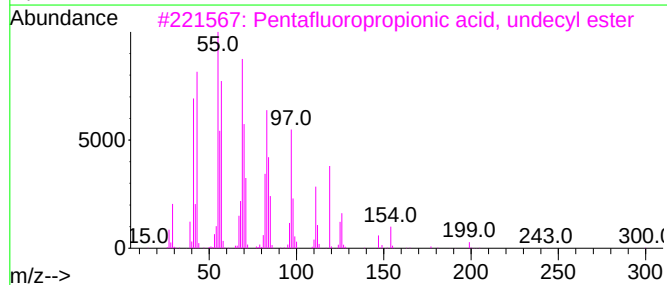
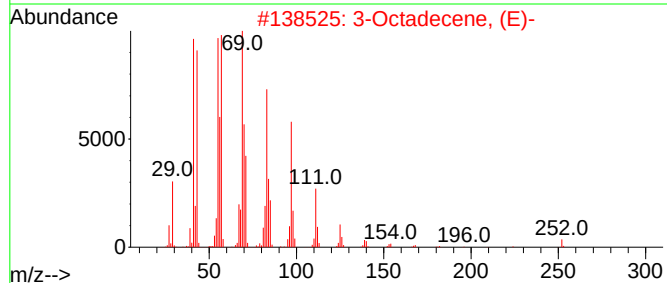
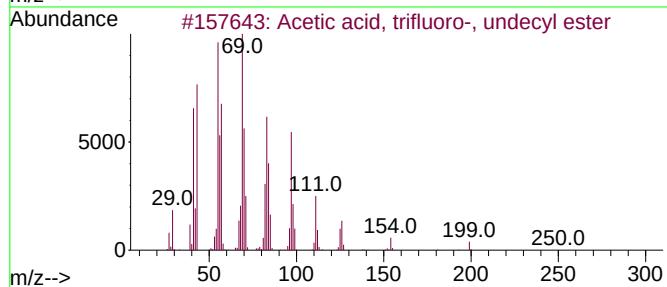
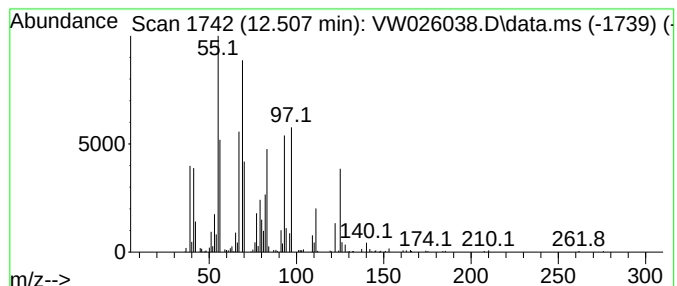
Instrument :
MSVOA_W
ClientSampleId :
EW979

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Quant Title : SFAM01.0

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

Peak Number 38 Acetic acid, trifluoro-, un... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.507	5.73 ug/L	465203	Chlorobenzene-d5	11.630	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, trifluoro-, undecyl...	268	C13H23F3O2	053800-01-4	52
2	3-Octadecene, (E)-	252	C18H36	007206-19-1	50
3	Pentafluoropropionic acid, undec...	318	C14H23F5O2	959014-11-0	49
4	4-Trifluoroacetoxyhexadecane	338	C18H33F3O2	1000215-97-5	47
5	4-Methyl-dodec-3-en-1-ol	198	C13H26O	156992-84-6	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

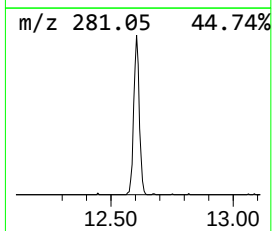
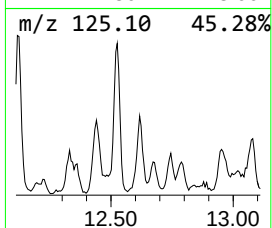
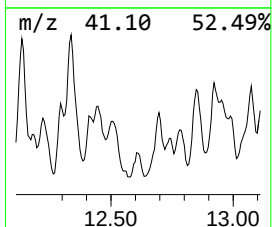
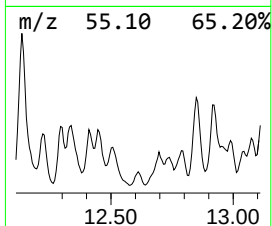
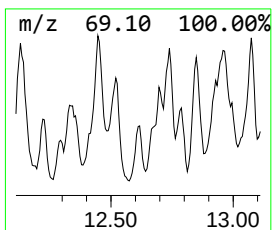
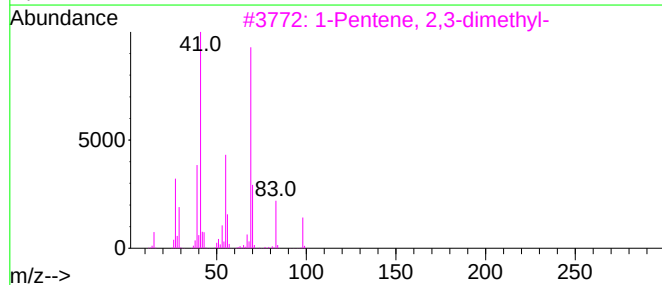
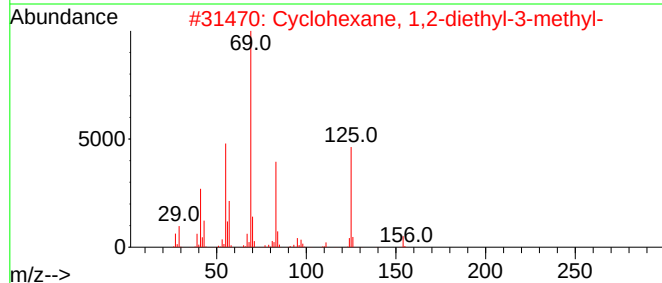
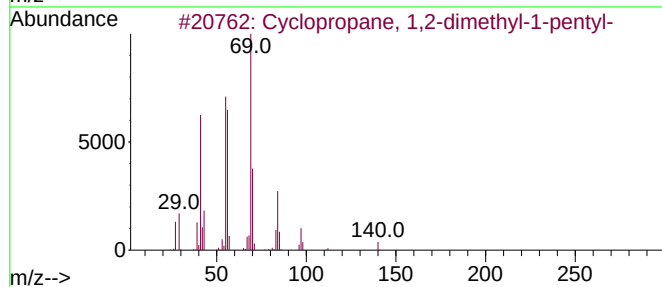
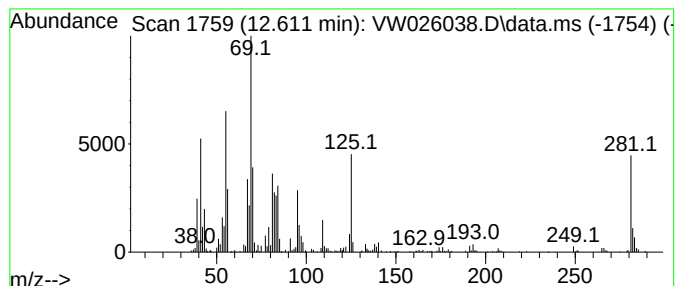
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Quant Title : SFAM01.0

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

Peak Number 39 (DEL) Alkane: Cyclic12.611 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.611	5.39 ug/L	271087	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	43
2			Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	43
3			1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	38
4			Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	38
5			1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

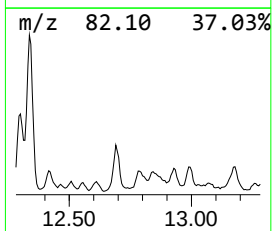
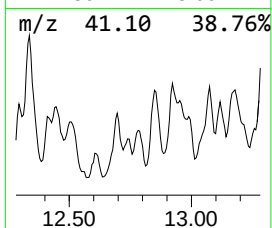
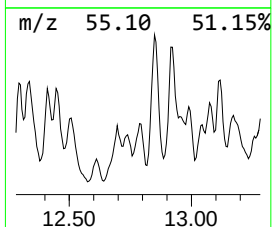
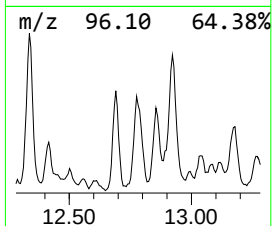
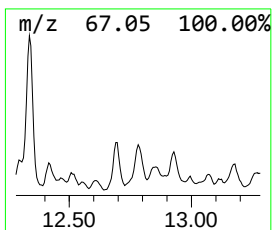
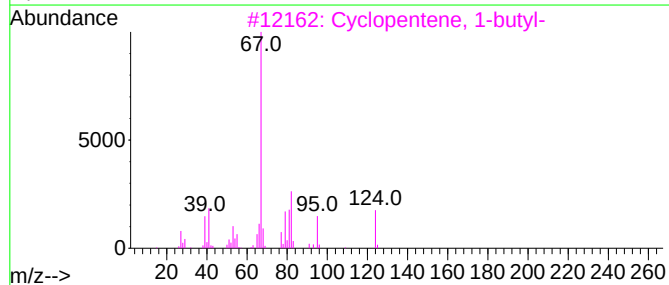
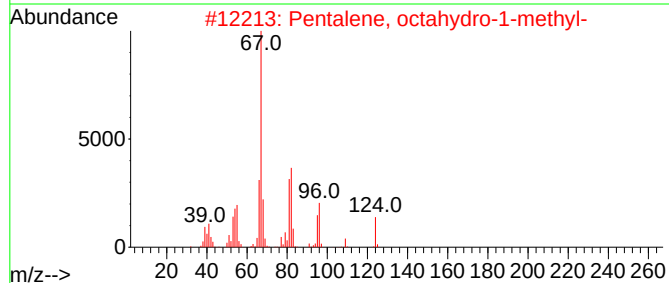
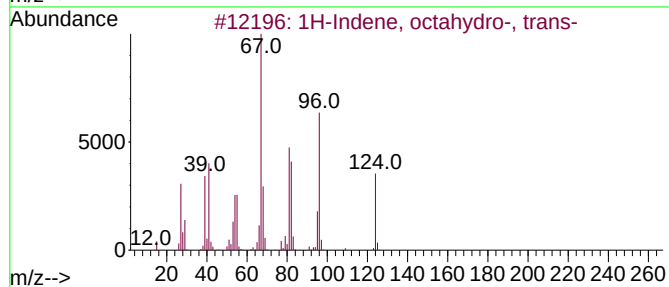
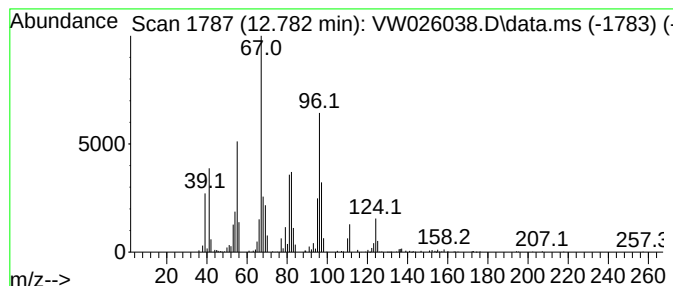
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Quant Title : SFAM01.0

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

Peak Number 40 1H-Indene, octahydro-, trans- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.782	8.07 ug/L	405408	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	81
2		Pentalene, octahydro-1-methyl-	124	C9H16	032273-77-1	58
3		Cyclopentene, 1-butyl-	124	C9H16	002423-01-0	46
4		trans-1-Butenylcyclopentane	124	C9H16	1000113-50-9	46
5		Bicyclo[6.1.0]nonane	124	C9H16	000286-60-2	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

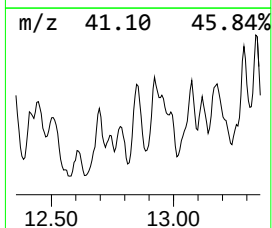
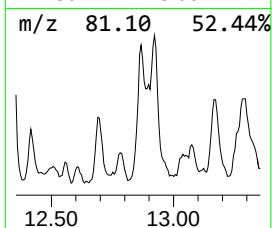
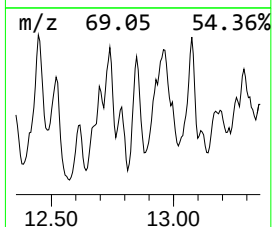
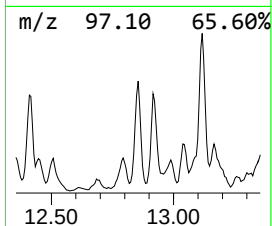
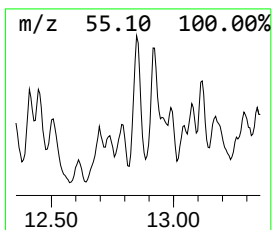
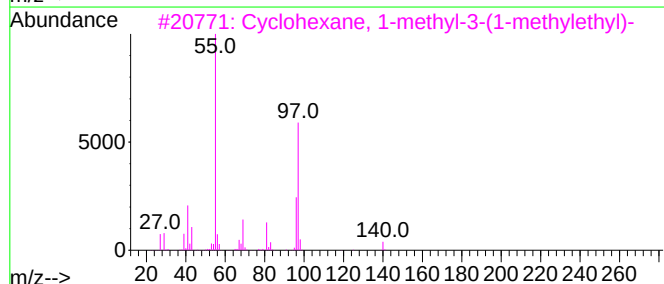
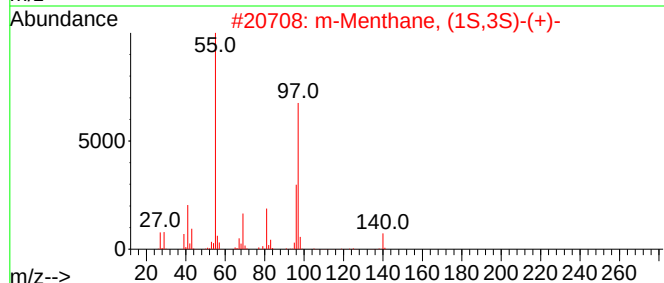
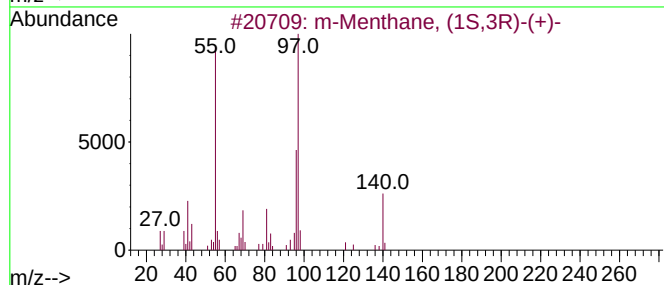
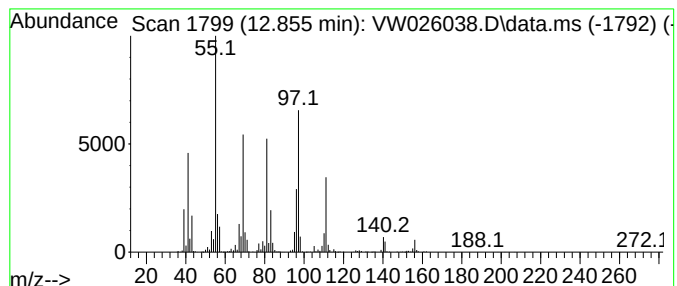
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Quant Title : SFAM01.0

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.855	17.75 ug/L	892094	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	50
2		m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	47
3		Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	47
4		Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	43
5		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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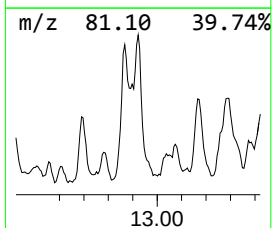
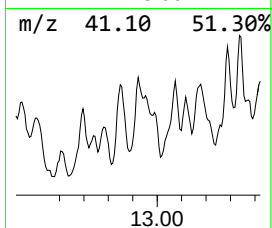
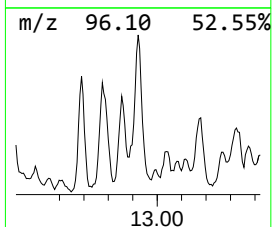
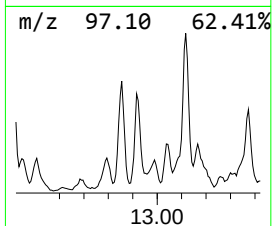
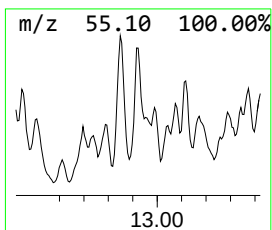
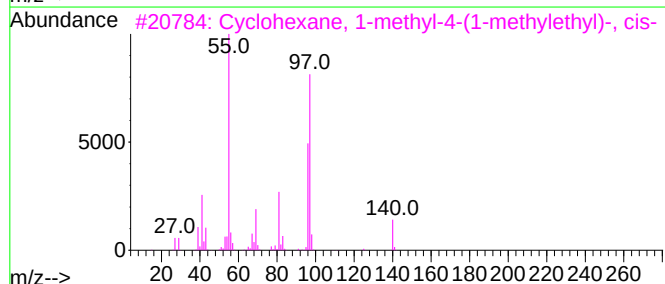
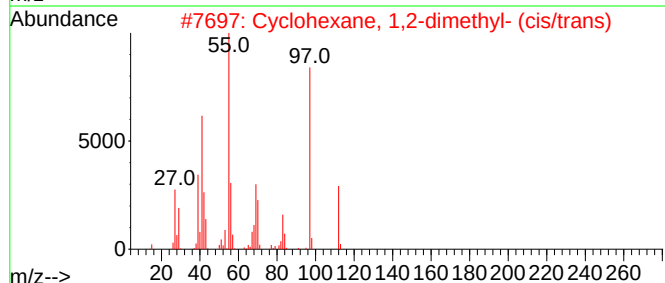
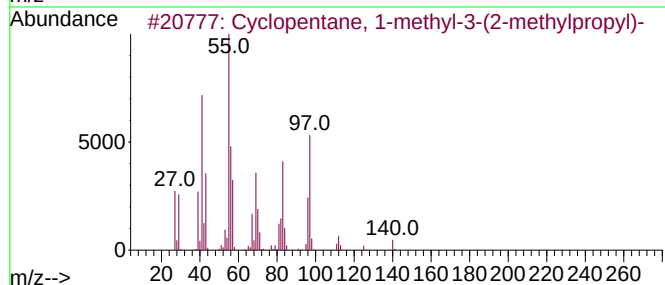
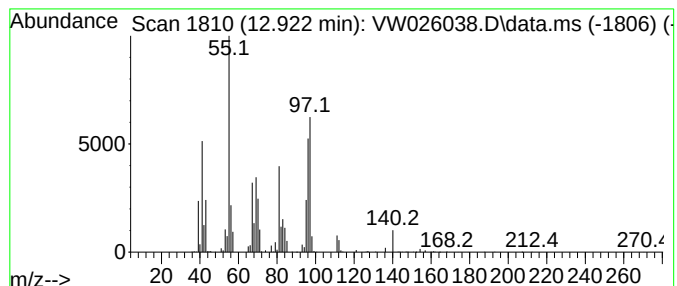
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Quant Title : SFAM01.0

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

Peak Number 42 (DEL) Alkane: Cyclic12.922 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.922	15.58 ug/L	783153	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	49
2			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	49
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	49
4			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	49
5			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

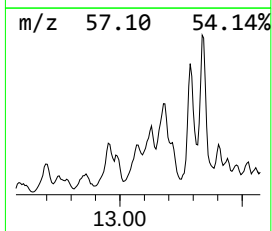
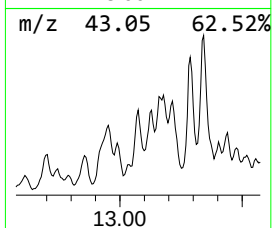
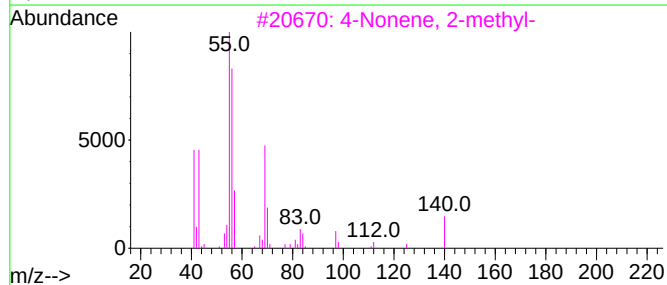
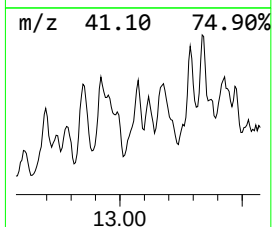
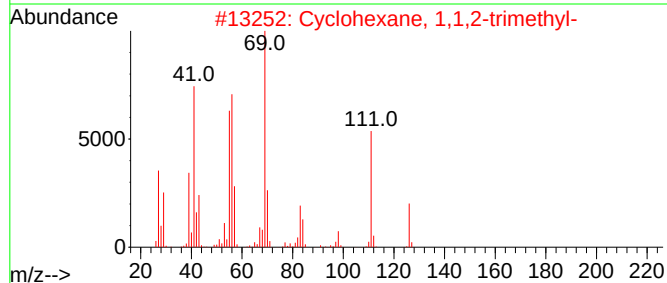
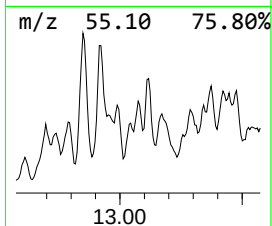
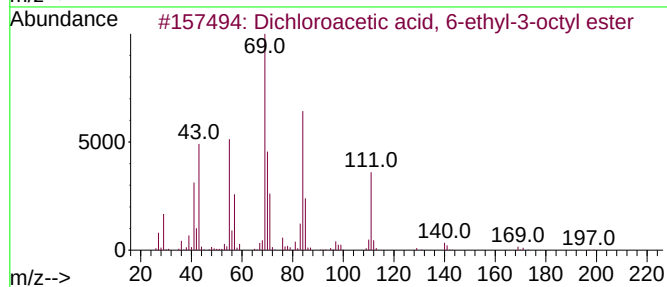
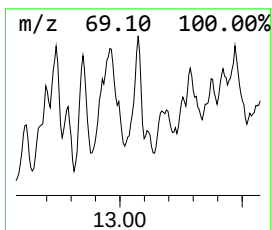
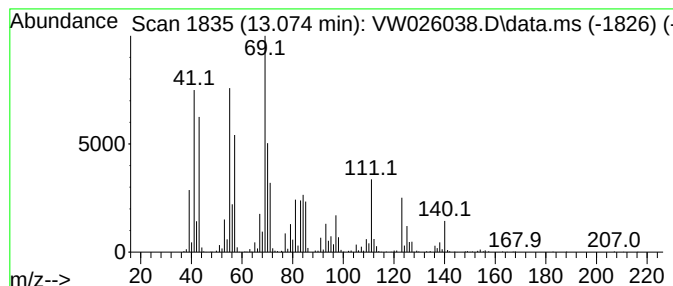
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Quant Title : SFAM01.0

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

Peak Number 43 Dichloroacetic acid, 6-ethy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.074	15.09 ug/L	758726	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dichloroacetic acid, 6-ethyl-3-o...	268	C12H22Cl2O2	1000282-56-6	53
2			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	49
3			4-Nonene, 2-methyl-	140	C10H20	055724-84-0	49
4			1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	46
5			3-Octene, 2,2-dimethyl-	140	C10H20	086869-76-3	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

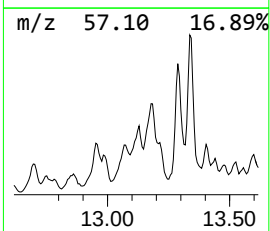
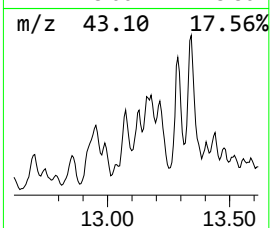
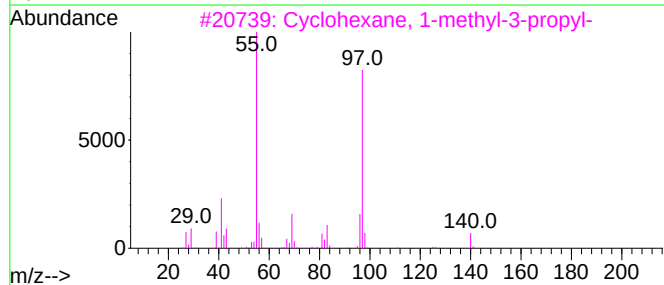
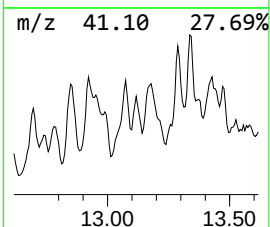
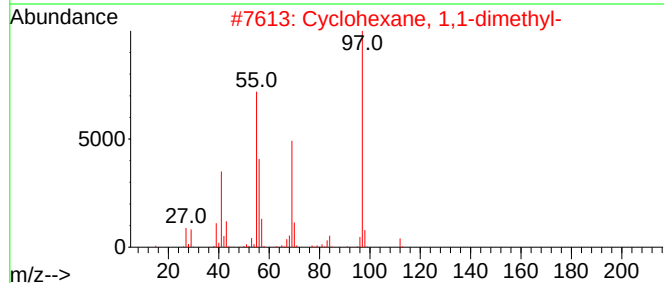
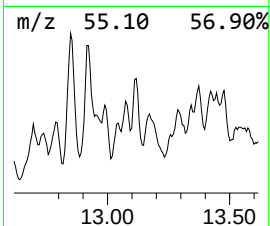
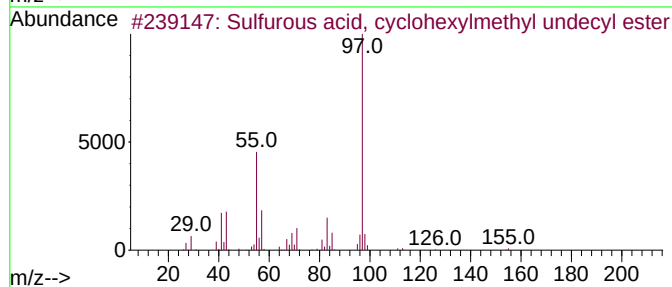
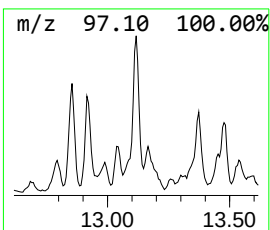
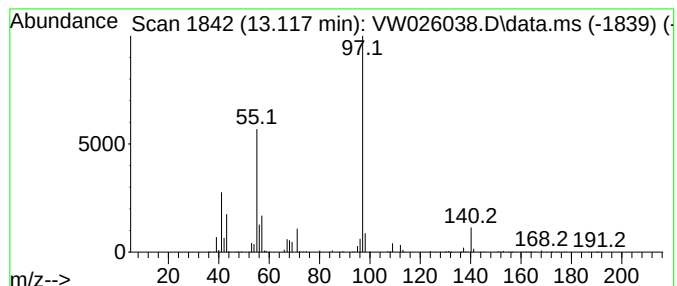
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Quant Title : SFAM01.0

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

Peak Number 44 Sulfurous acid, cyclohexylm... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.117	5.08 ug/L	255596	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	72
2			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	64
3			Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	59
4			Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	59
5			Semustine	247	C10H18ClN3O2	013909-09-6	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

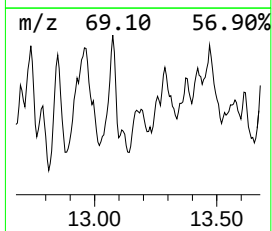
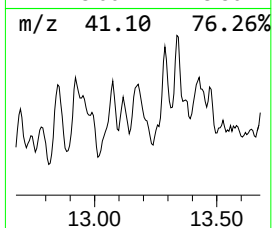
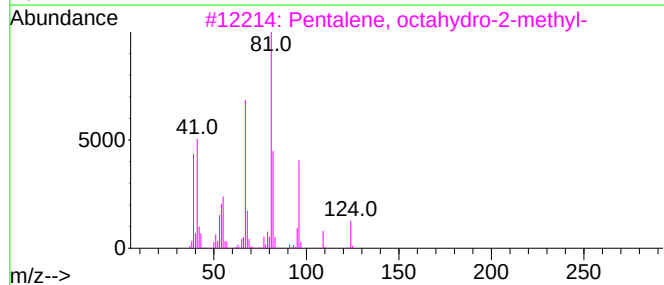
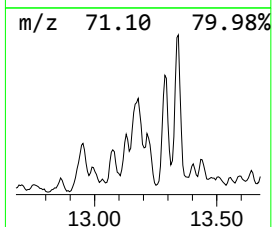
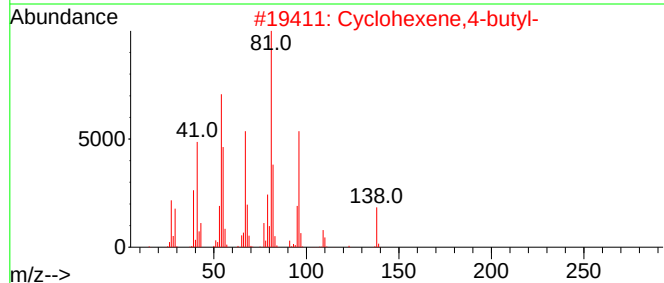
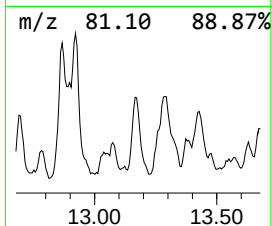
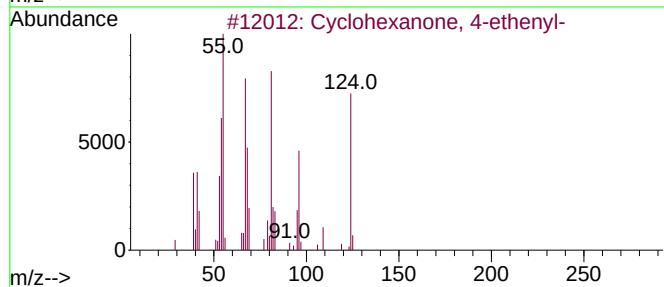
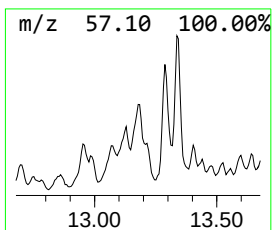
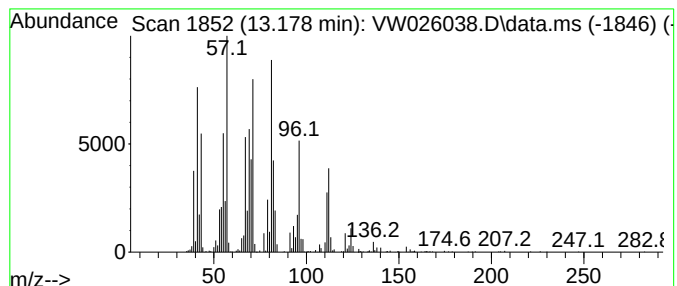
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Quant Title : SFAM01.0

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

Peak Number 45 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.178	14.82 ug/L	745054	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexanone, 4-ethenyl-	124	C8H12O	001740-64-3	46
2			Cyclohexene,4-butyl-	138	C10H18	021524-26-5	43
3			Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	41
4			Cyclohexane, methylene-	96	C7H12	001192-37-6	38
5			1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

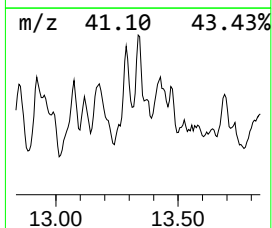
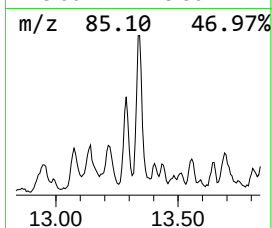
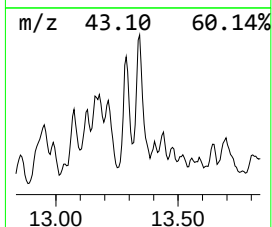
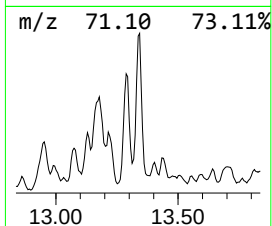
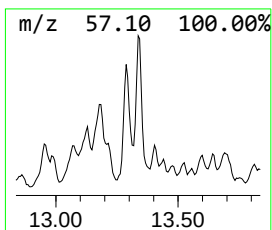
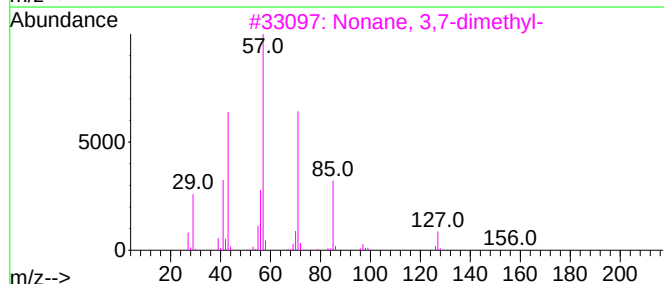
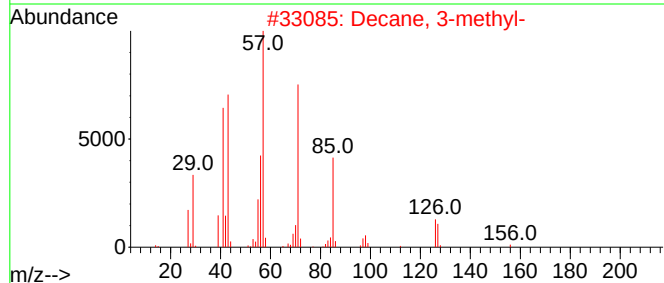
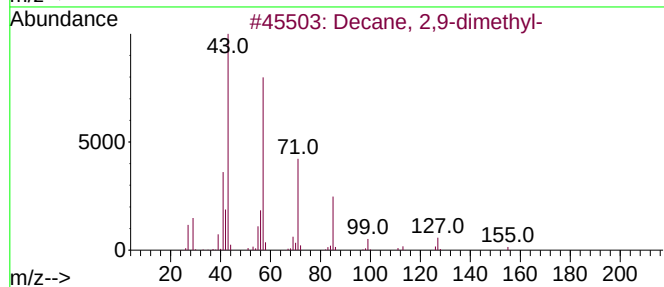
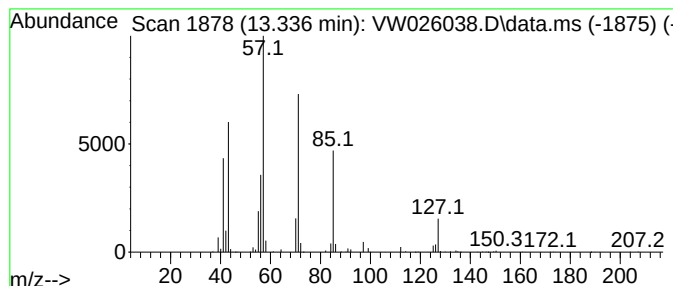
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Quant Title : SFAM01.0

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

Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.336	6.22 ug/L	312699	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	78
2			Decane, 3-methyl-	156	C11H24	013151-34-3	64
3			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64
4			Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	64
5			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

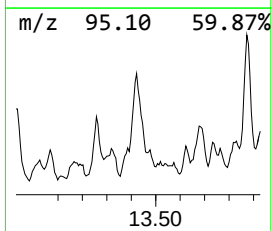
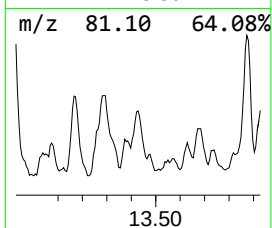
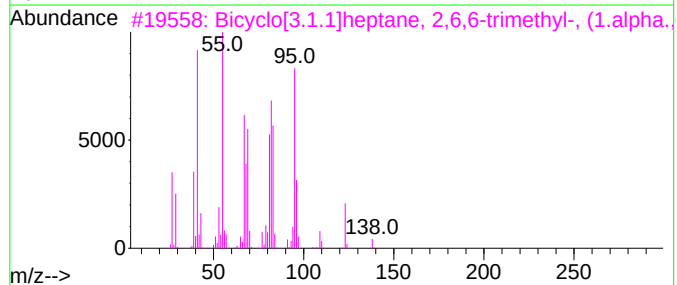
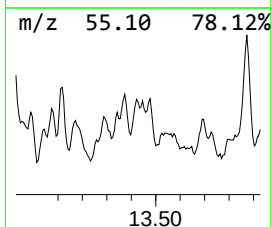
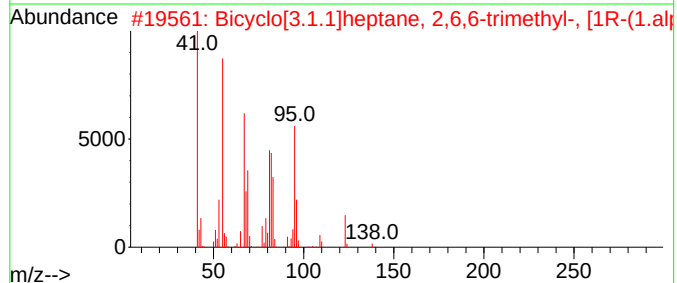
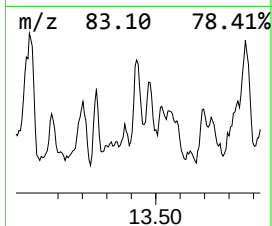
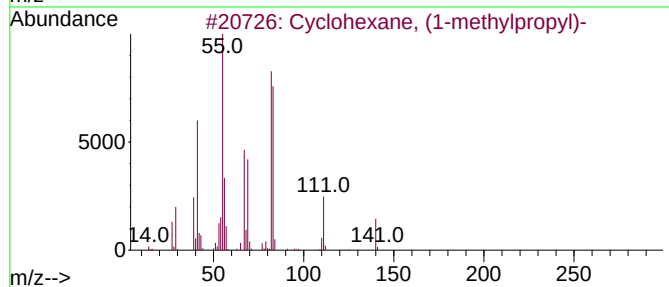
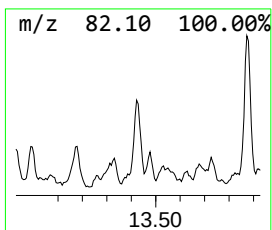
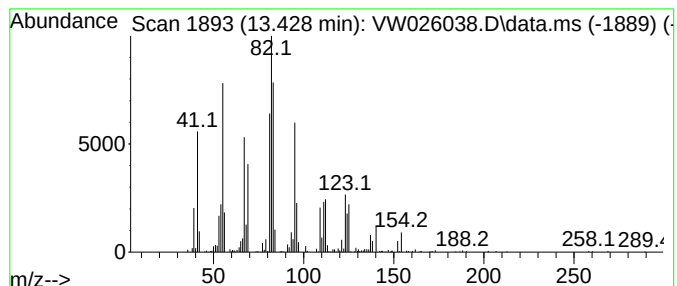
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Quant Title : SFAM01.0

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

Peak Number 47 (DEL) Alkane: Cyclic13.428 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.428	6.77 ug/L	340307	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	53
2			Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004795-86-2	43
3			Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	006876-13-7	38
4			Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	38
5			(-)-trans-Pinane	138	C10H18	033626-25-4	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/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\SFAMWLM050123SMA.M
Quant Title : SFAM01.0

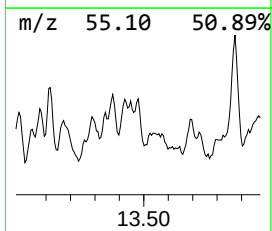
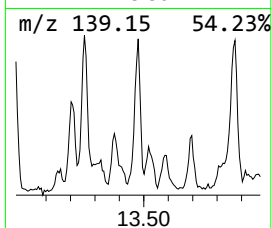
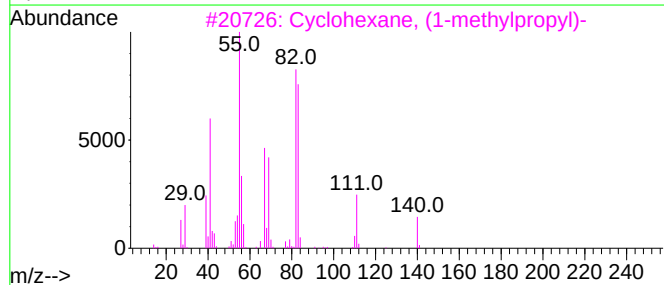
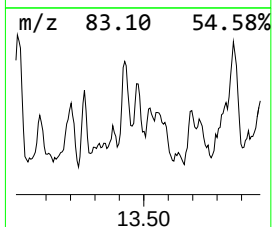
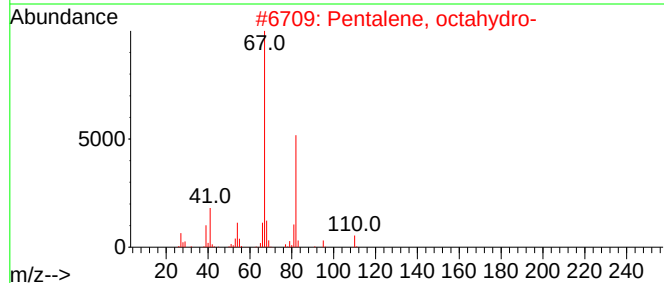
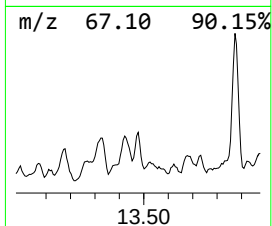
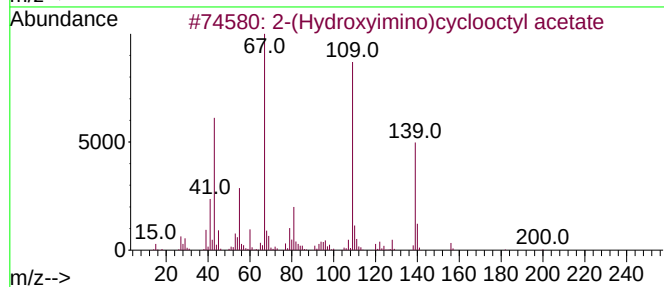
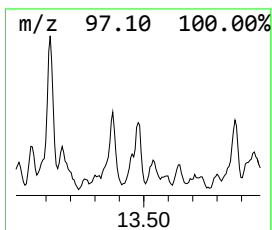
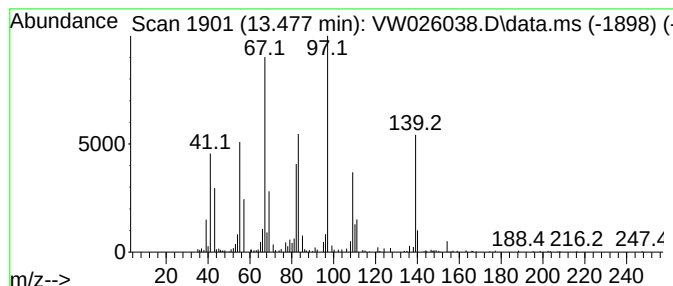
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 48 unknown-02

Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.477	5.55 ug/L	279221	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-(Hydroxyimino)cyclooctyl acetate	199	C10H17NO3	007027-08-9	35
2			Pentalene, octahydro-	110	C8H14	000694-72-4	27
3			Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	25
4			1,5-Cyclooctadiene, 3,8-dimethyl-	136	C10H16	1000155-84-1	25
5			Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	18



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

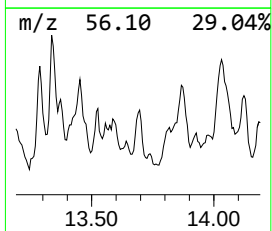
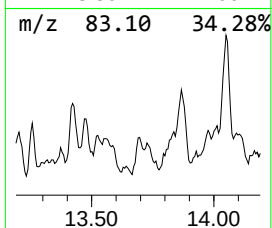
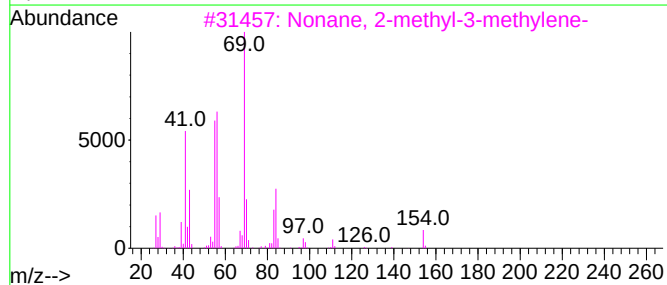
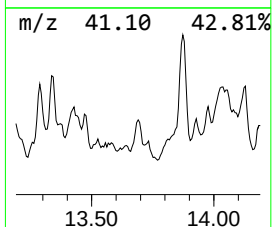
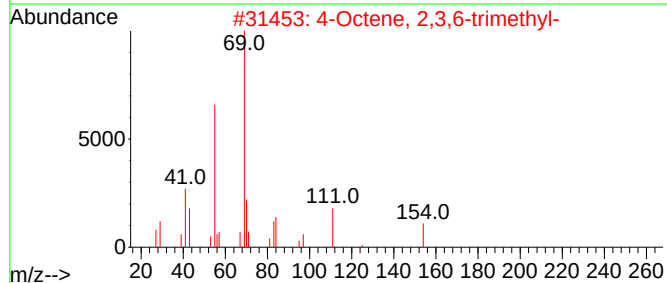
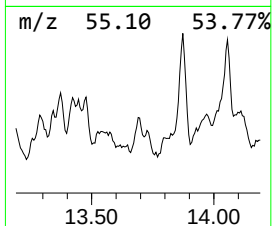
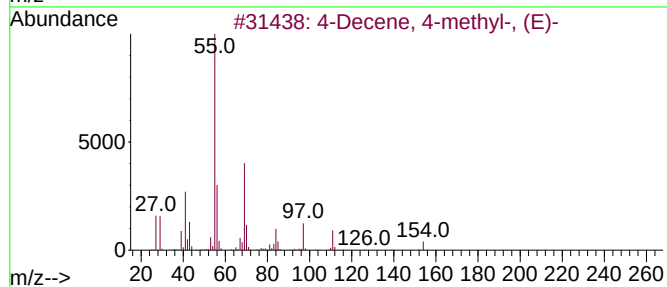
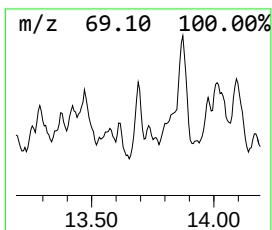
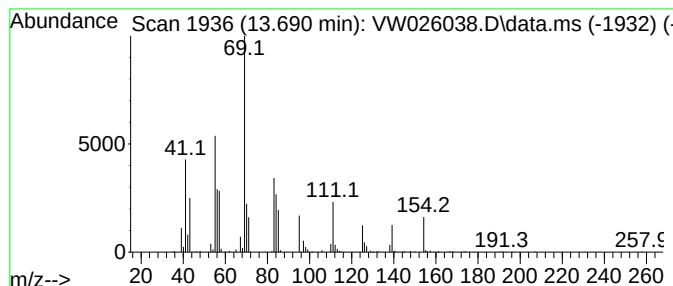
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ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.690	5.27 ug/L	264833	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	4-Decene, 4-methyl-, (E)-		154	C11H22	060366-66-7	58
2	4-Octene, 2,3,6-trimethyl-		154	C11H22	063830-65-9	52
3	Nonane, 2-methyl-3-methylene-		154	C11H22	055499-08-6	50
4	2-Decene, 4-methyl-, (Z)-		154	C11H22	074630-30-1	50
5	4-Octene, 2,3,7-trimethyl-, [S-(...		154	C11H22	052763-13-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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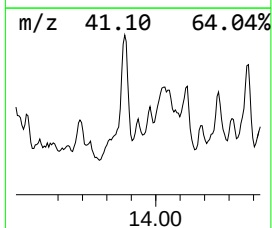
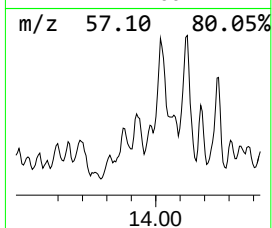
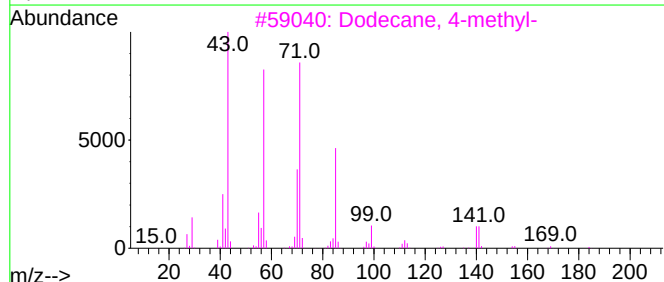
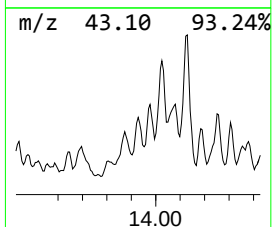
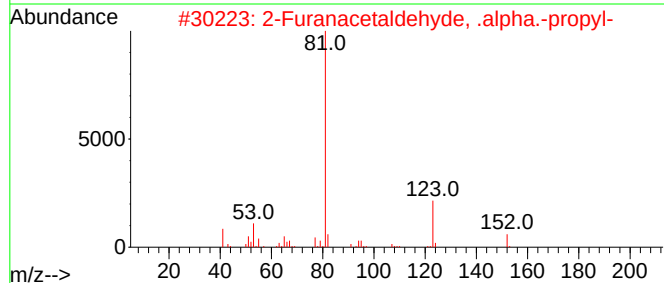
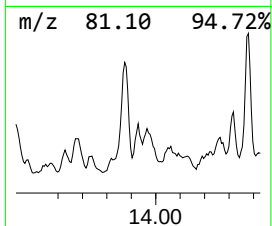
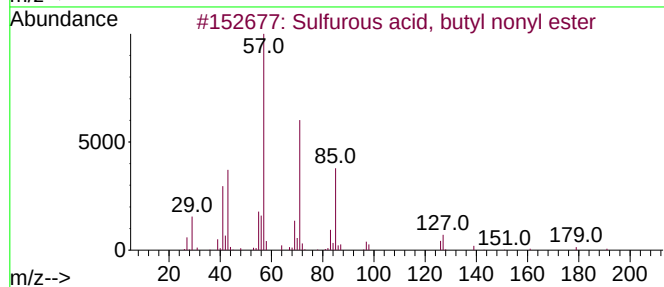
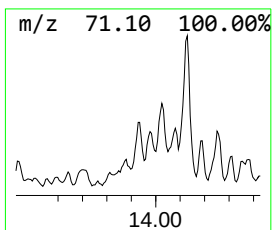
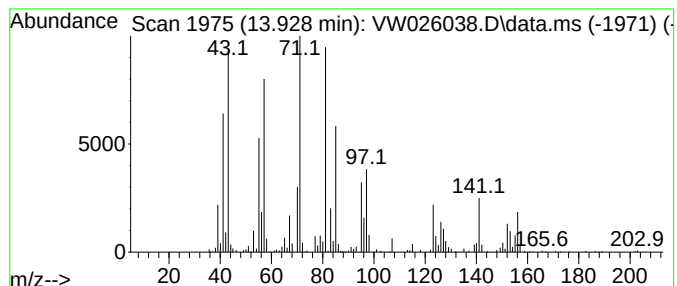
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Quant Title : SFAM01.0

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

Peak Number 50 unknown-03 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.928	4.57 ug/L	229602	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	25
2			2-Furanacetaldehyde, .alpha.-pro...	152	C9H12O2	031681-26-2	22
3			Dodecane, 4-methyl-	184	C13H28	006117-97-1	22
4			1-Threitol, 2-O-nonyl-	248	C13H28O4	163776-15-6	22
5			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

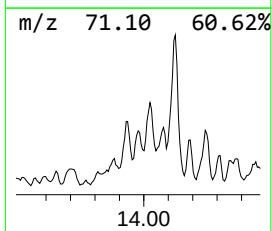
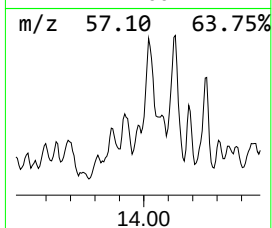
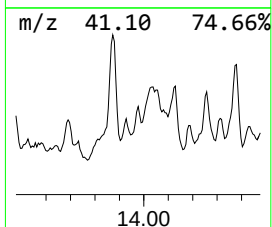
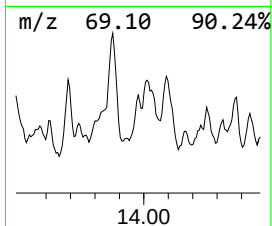
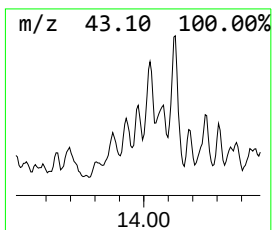
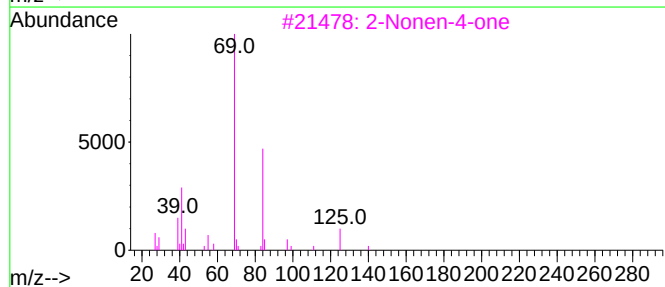
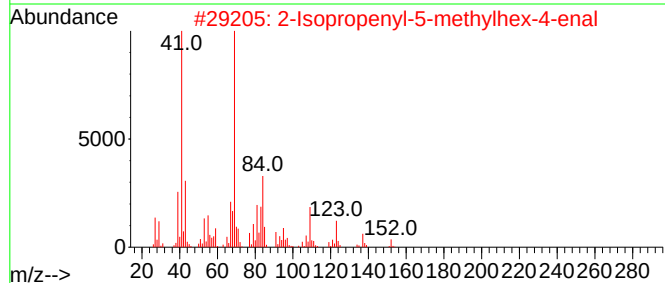
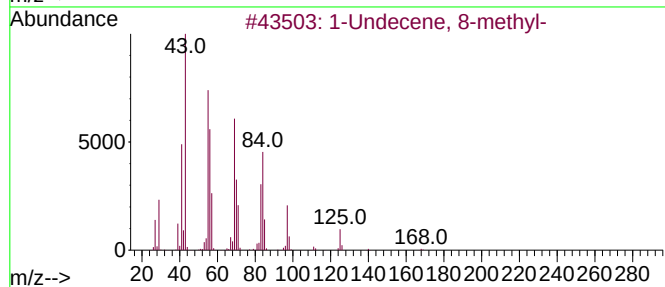
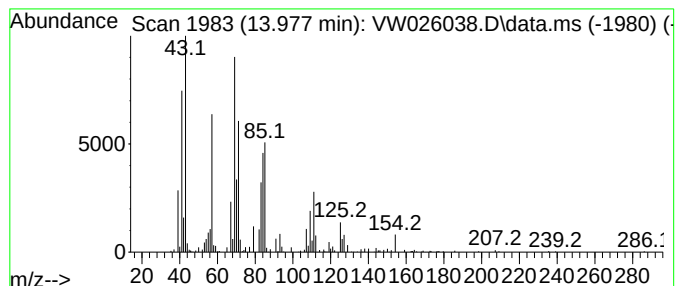
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Quant Title : SFAM01.0

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

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.977	3.16 ug/L	158951	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1	Undecene, 8-methyl-	168	C12H24	074630-40-3	50
2	2	Isopropenyl-5-methylhex-4-enal	152	C10H16O	075697-98-2	47
3	2	Nonen-4-one	140	C9H16O	032064-72-5	43
4	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	35	
5	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	35	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

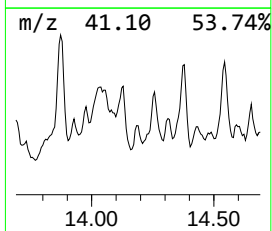
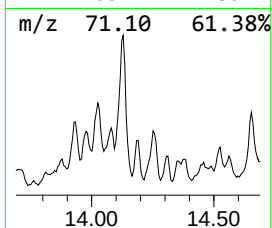
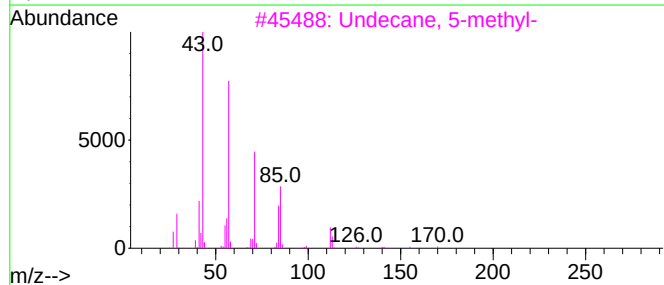
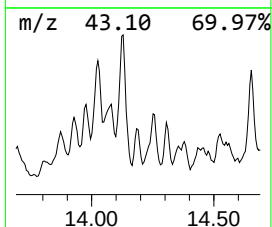
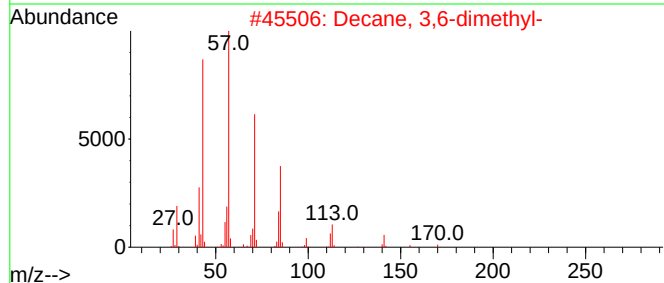
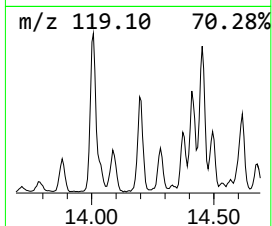
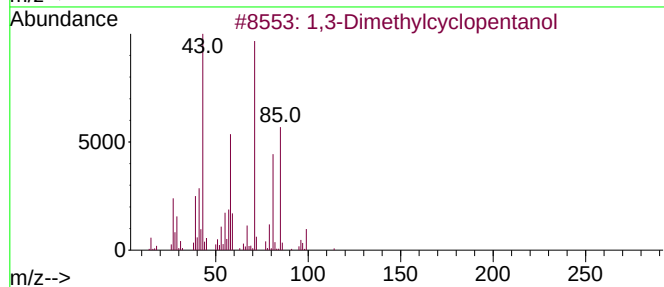
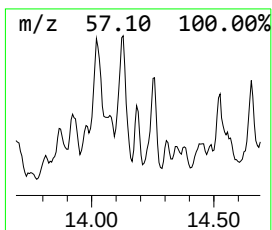
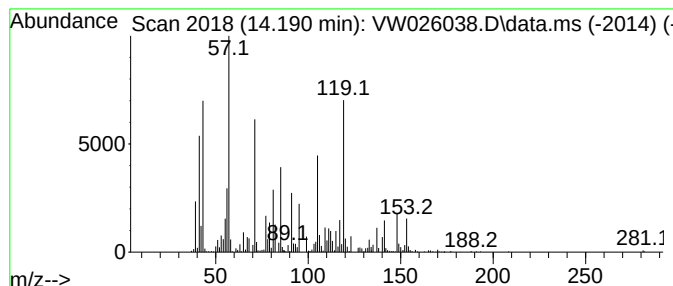
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Quant Title : SFAM01.0

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

Peak Number 52 unknown-04 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.190	8.99 ug/L	451807	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	42
2			Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	41
3			Undecane, 5-methyl-	170	C12H26	001632-70-8	38
4			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	38
5			Nonadecane, 9-methyl-	282	C20H42	013287-24-6	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

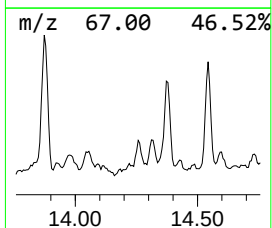
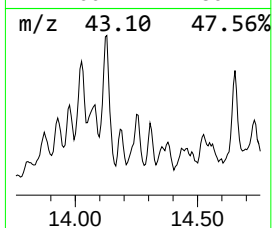
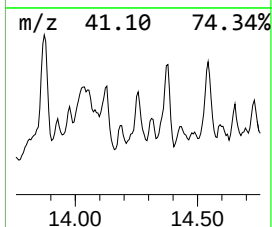
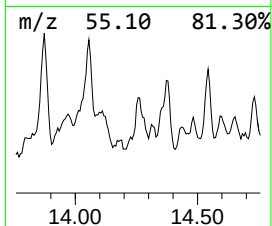
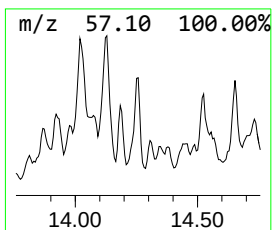
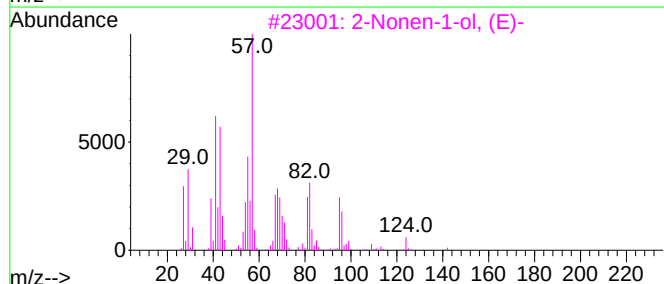
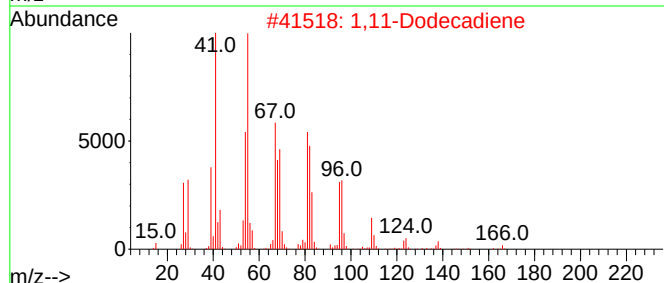
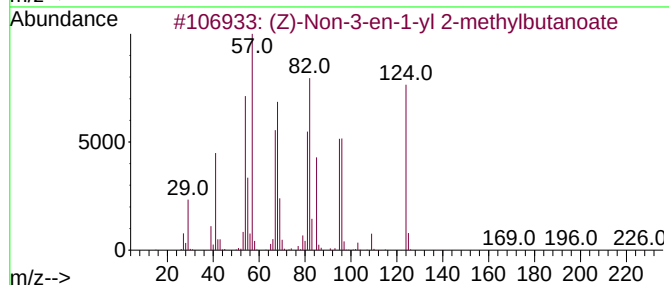
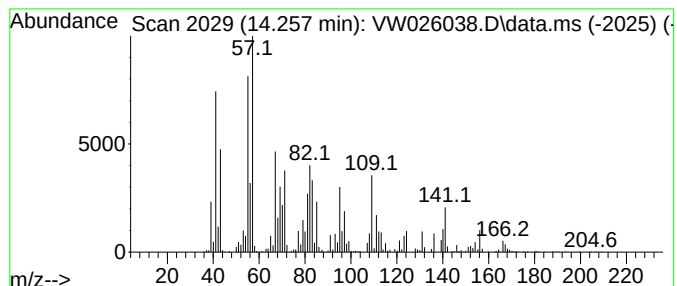
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Quant Title : SFAM01.0

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

Peak Number 53 (Z)-Non-3-en-1-yl 2-methylb... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.257	13.88 ug/L	697549	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z)-Non-3-en-1-yl 2-methylbutanoate	226	C14H26O2	1000372-71-2	50		
2	1,11-Dodecadiene	166	C12H22	005876-87-9	49		
3	2-Nonen-1-ol, (E)-	142	C9H18O	031502-14-4	43		
4	trans-2-Undecen-1-ol	170	C11H22O	075039-84-8	43		
5	3-Hexen-1-ol, propanoate, (Z)-	156	C9H16O2	033467-74-2	35		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

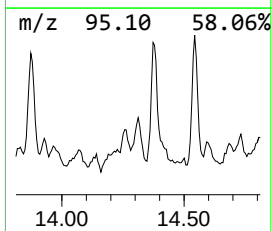
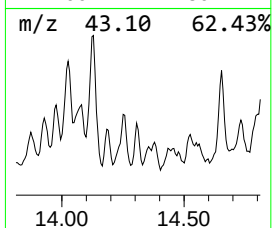
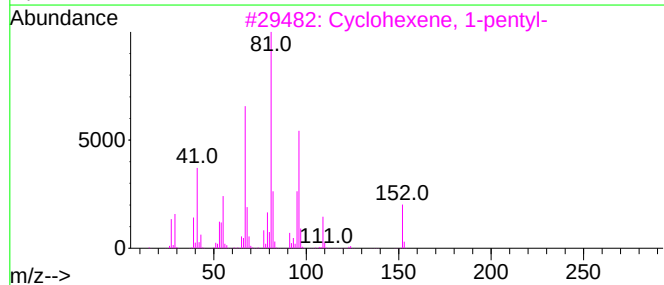
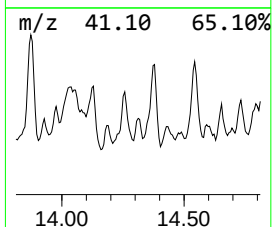
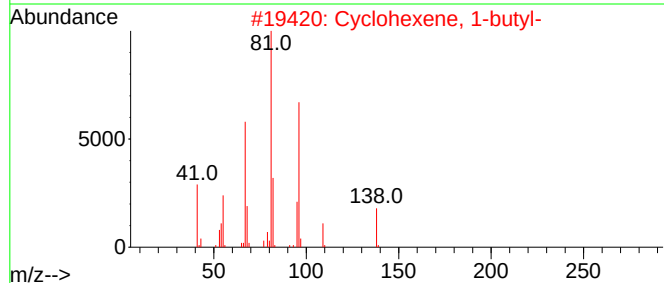
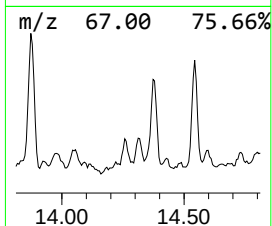
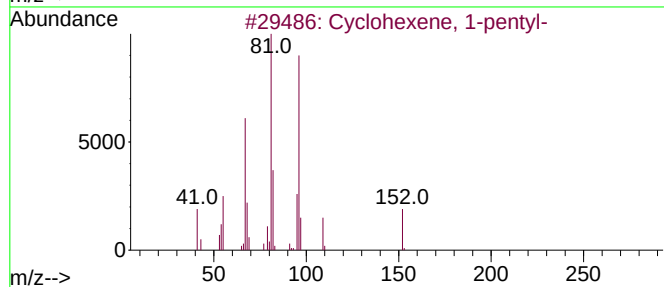
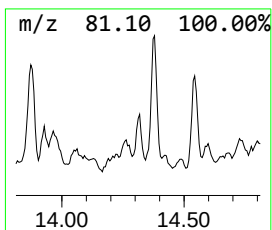
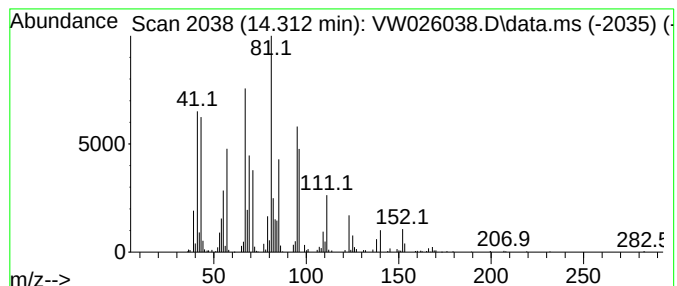
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Quant Title : SFAM01.0

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

Peak Number 54 Cyclohexene, 1-pentyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.312	5.30 ug/L	266469	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	64
2			Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	64
3			Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	58
4			2,6-Dimethylbicyclo[3.2.1]octane	138	C10H18	1000215-28-2	53
5			Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

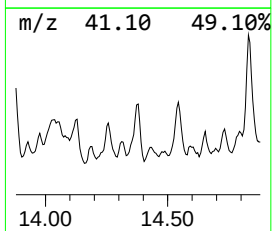
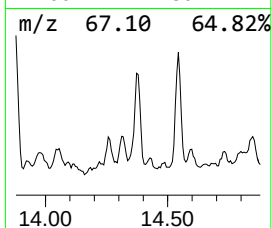
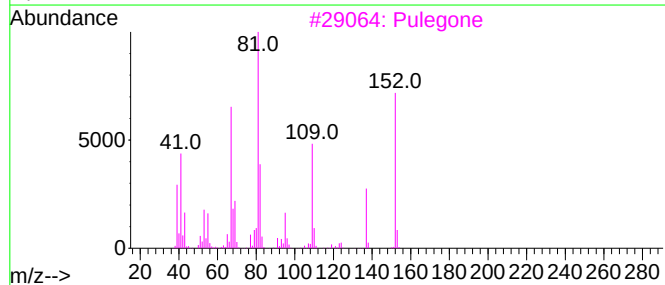
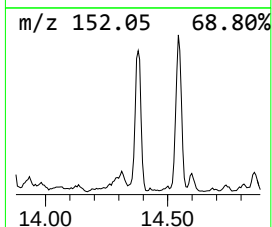
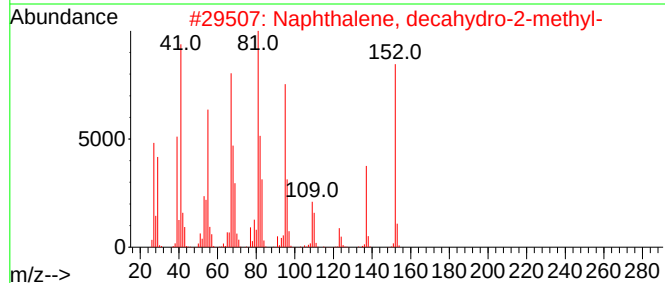
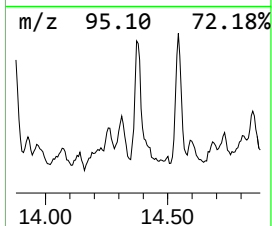
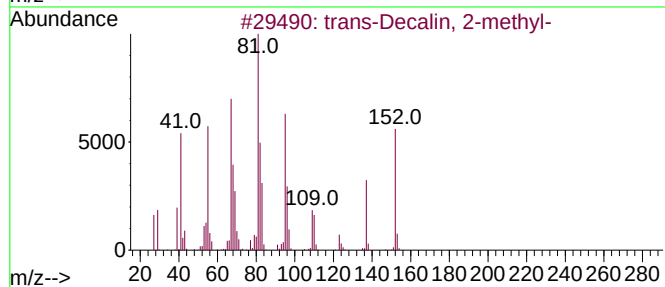
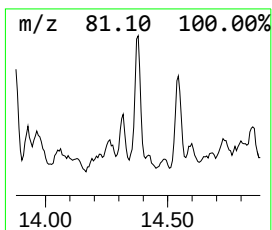
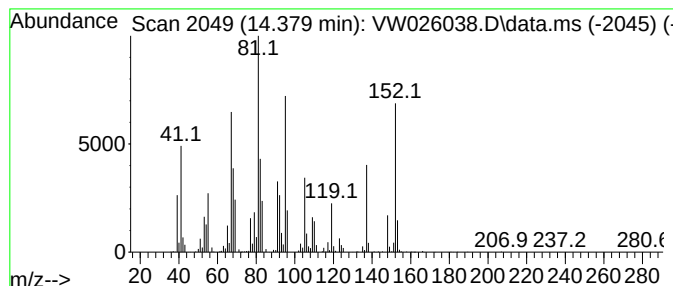
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Quant Title : SFAM01.0

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

Peak Number 55 trans-Decalin, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.379	17.21 ug/L	865186	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	91
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	91
3			Pulegone	152	C10H16O	000089-82-7	64
4			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	58
5			Pulegone	152	C10H16O	000089-82-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

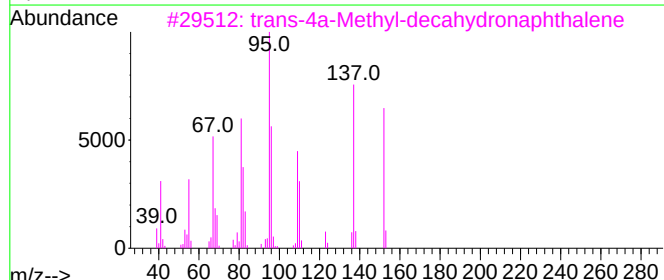
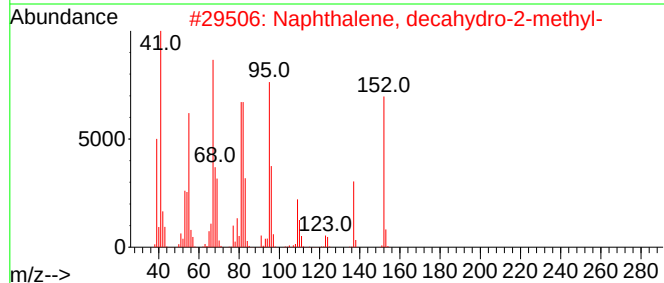
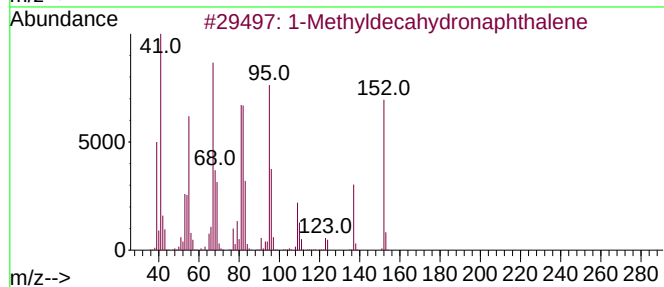
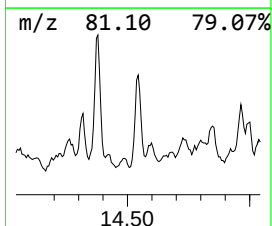
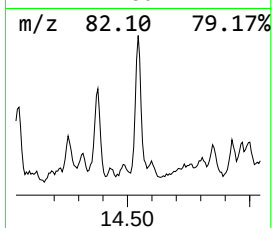
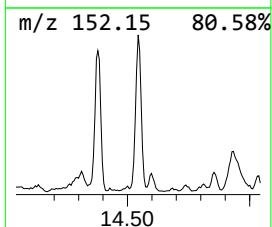
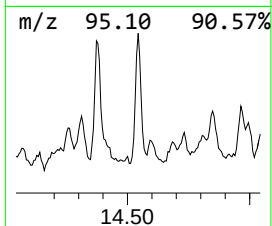
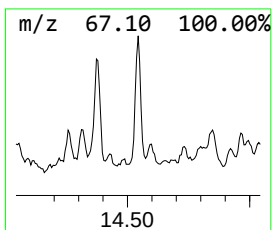
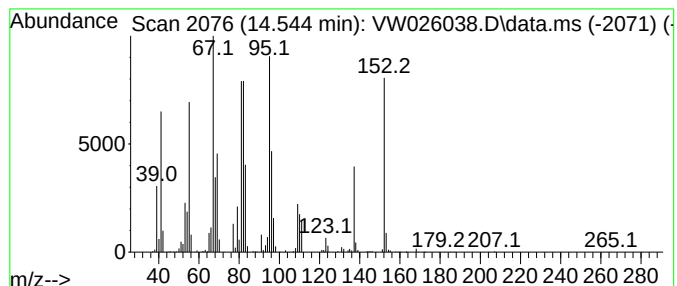
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Quant Title : SFAM01.0

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

Peak Number 56 1-Methyldecahydronaphthalene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.544	18.85 ug/L	947375	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	98
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	98
3			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	86
4			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	83
5			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

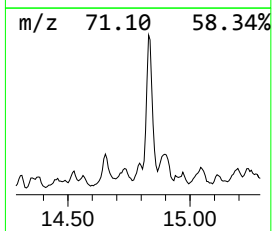
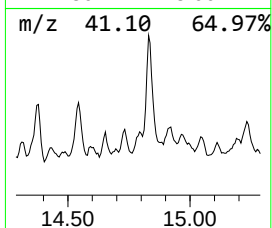
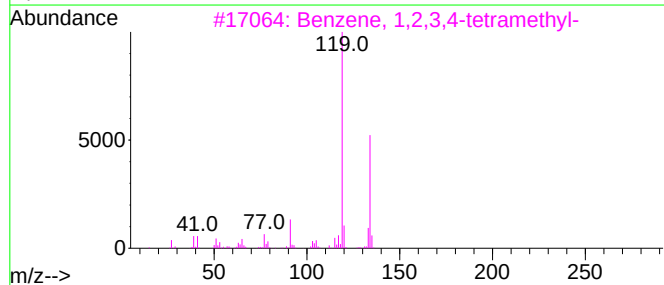
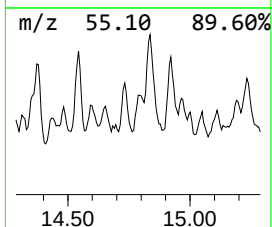
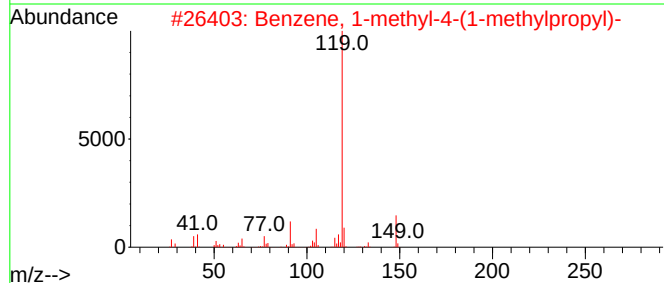
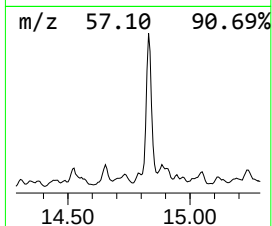
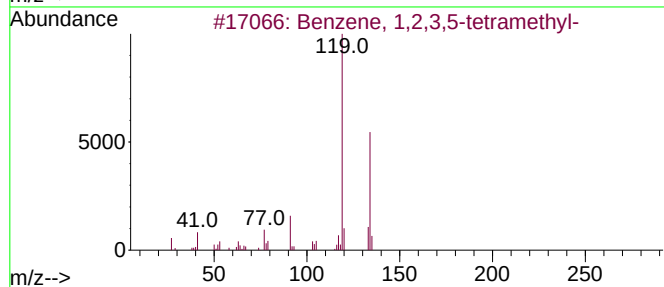
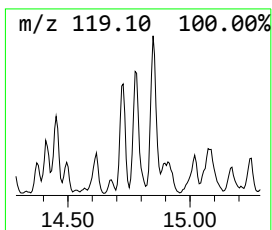
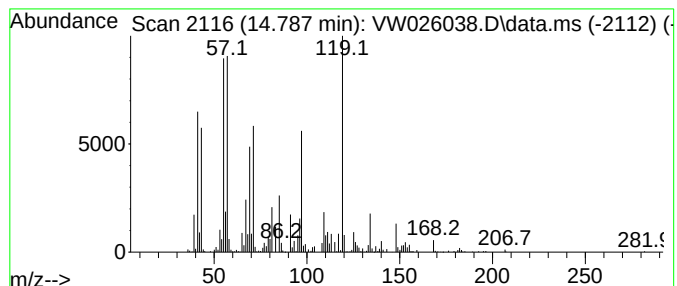
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Quant Title : SFAM01.0

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

Peak Number 58 unknown-05 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.787	7.60 ug/L	382113	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	38
2			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	30
3			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	30
4			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	25
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

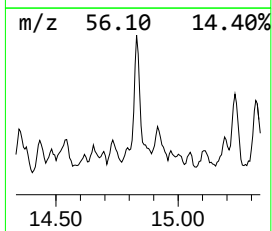
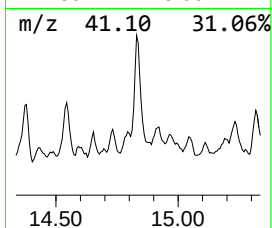
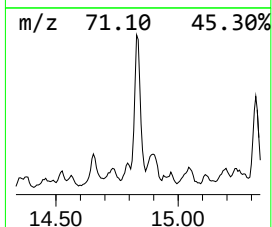
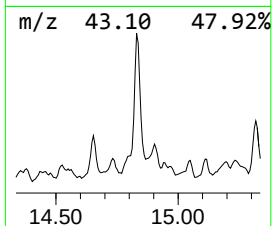
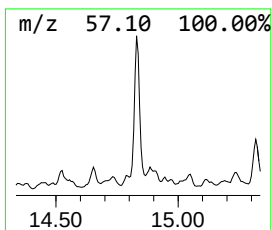
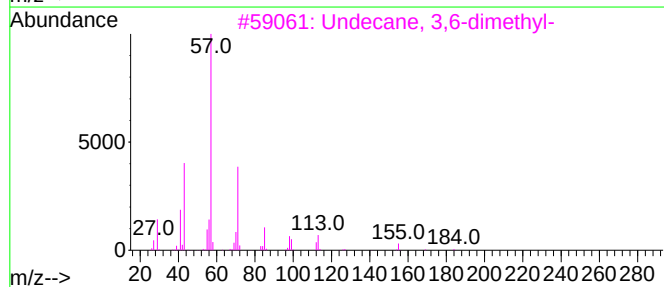
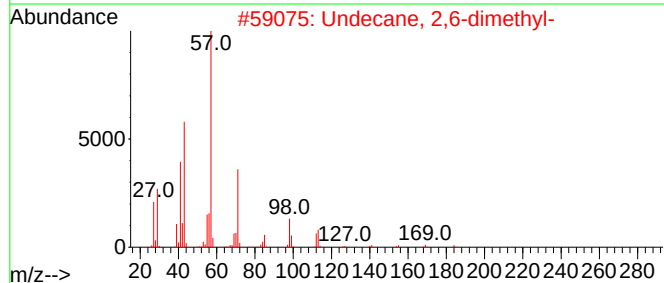
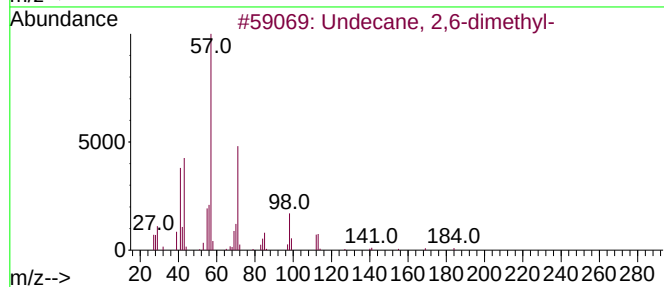
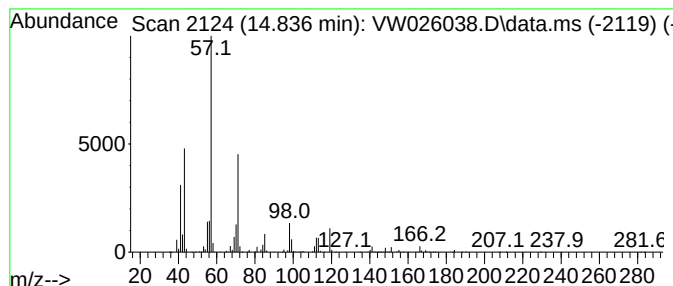
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Quant Title : SFAM01.0

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

Peak Number 59 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.836	32.98 ug/L	1657820	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	93
2		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	92
3		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	81
4		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	80
5		Dodecane, 6-methyl-	184	C13H28	006044-71-9	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

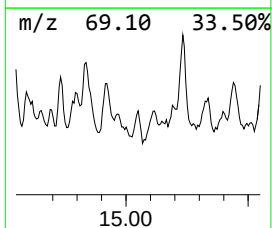
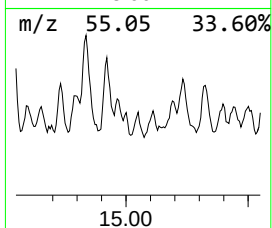
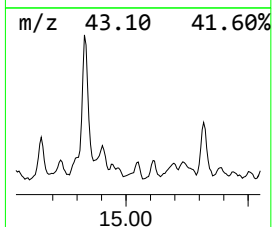
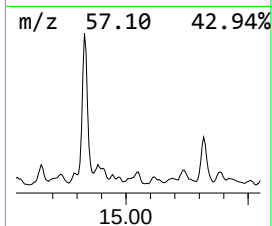
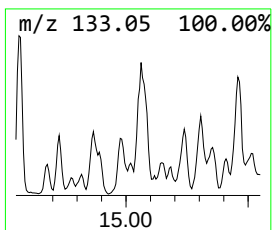
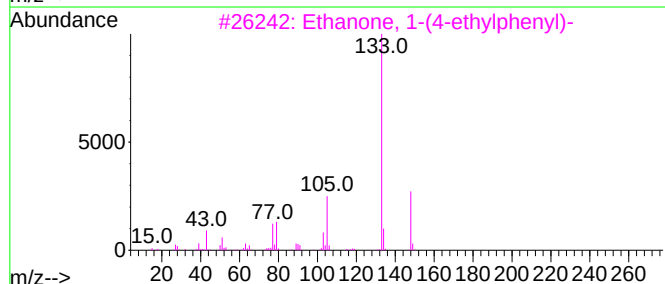
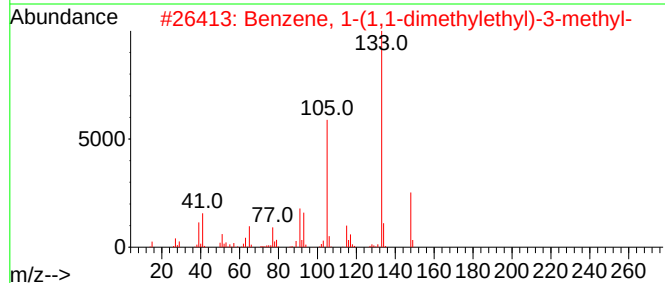
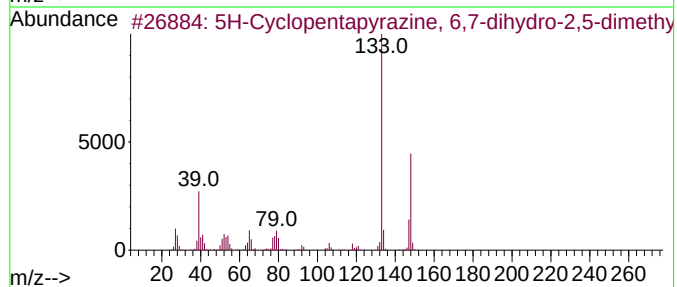
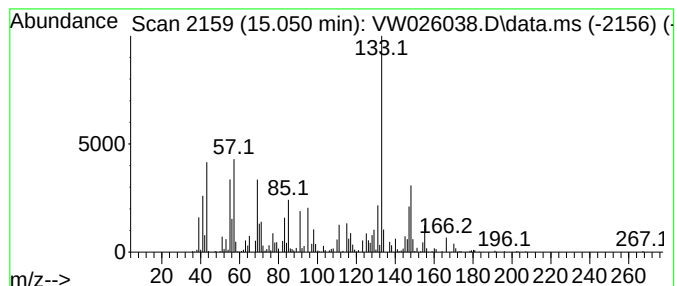
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Quant Title : SFAM01.0

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

Peak Number 60 unknown-06 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.050	5.21 ug/L	261845	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5H-Cyclopentapyrazine, 6,7-dihyd...	148	C9H12N2	038917-61-2	46
2			Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	45
3			Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	45
4			2-tert-Butyltoluene	148	C11H16	001074-92-6	45
5			1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

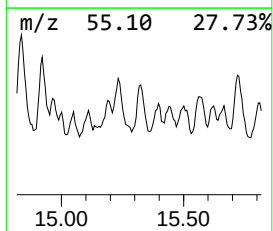
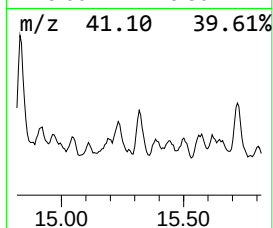
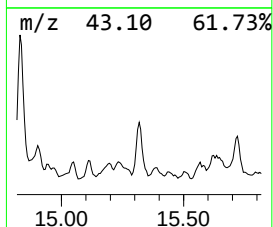
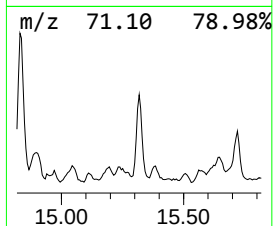
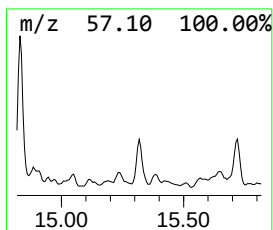
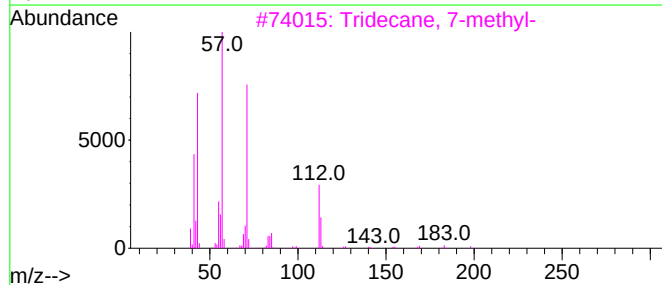
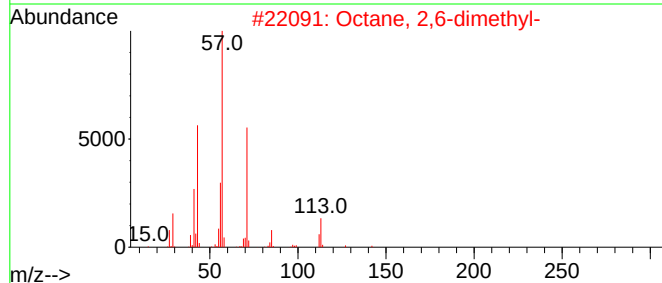
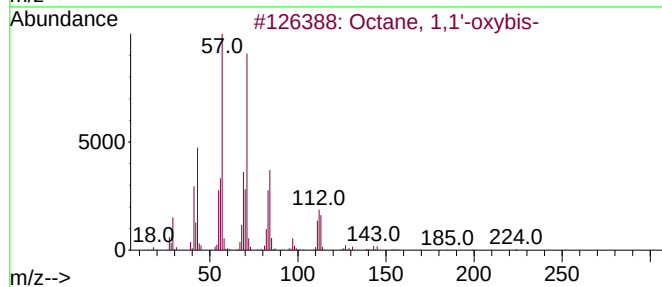
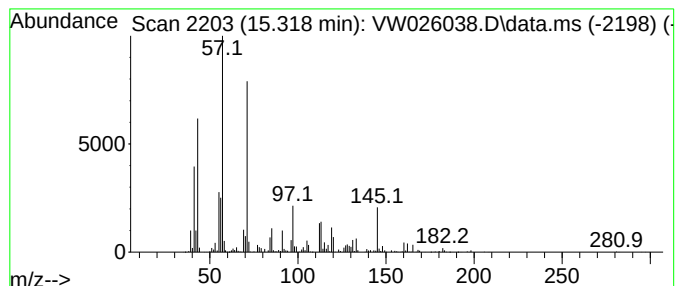
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Quant Title : SFAM01.0

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

Peak Number 61 Octane, 1,1'-oxybis- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.318	16.61 ug/L	835166	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	59
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
3			Tridecane, 7-methyl-	198	C14H30	026730-14-3	53
4			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	52
5			Oxalic acid, 2-ethylhexyl nonyl ...	328	C19H36O4	1000309-39-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

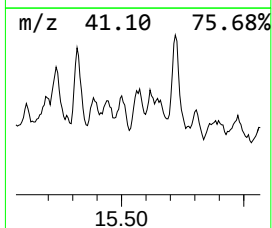
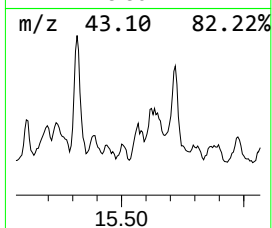
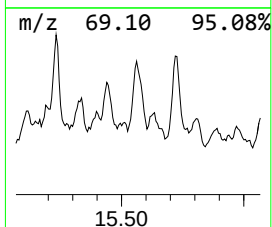
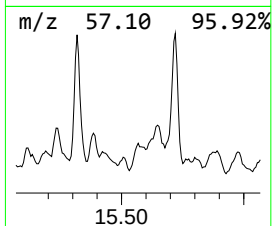
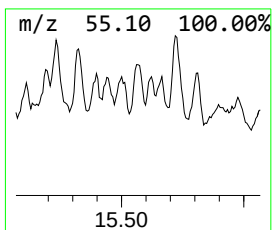
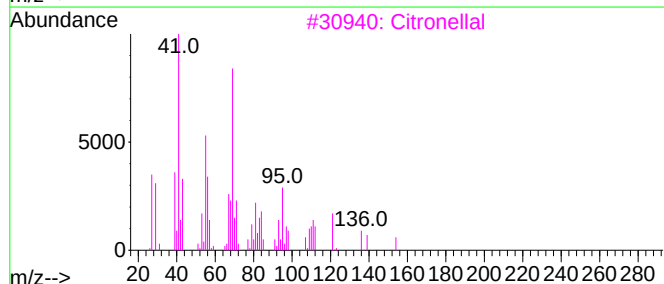
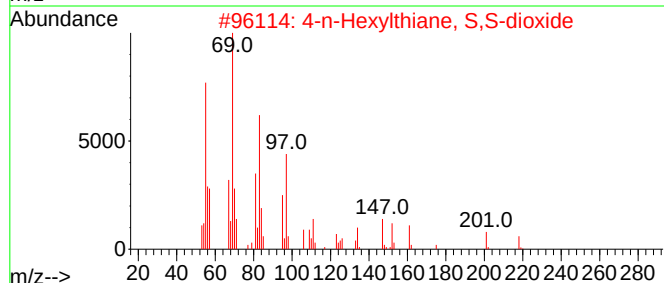
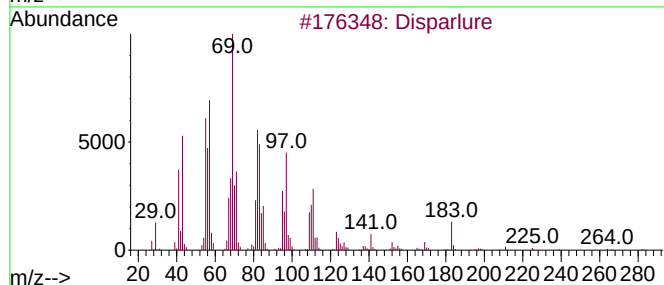
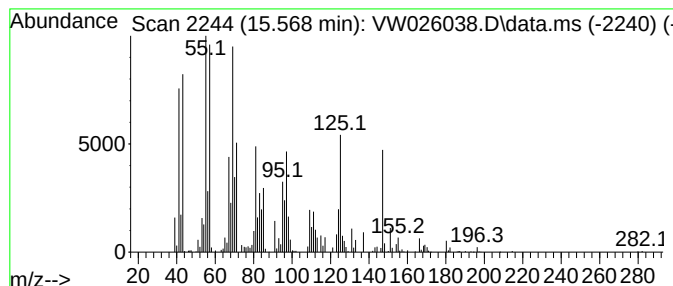
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Quant Title : SFAM01.0

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

Peak Number 62 Disparlure Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.568	6.92 ug/L	347626	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Disparlure	282	C19H38O	029804-22-6	50
2			4-n-Hexylthiane, S,S-dioxide	218	C11H22O2S	070928-52-8	43
3			Citronellal	154	C10H18O	000106-23-0	42
4			Pentadecafluorooctanoic acid, do...	582	C20H25F15O2	1000406-04-2	38
5			1-Cyclopentylethanol, pentafluor...	260	C10H13F5O2	1000364-12-0	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

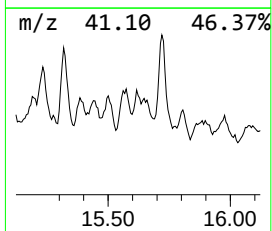
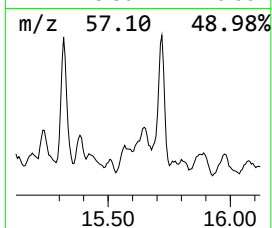
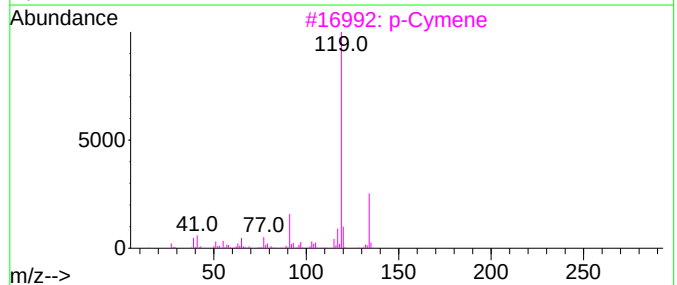
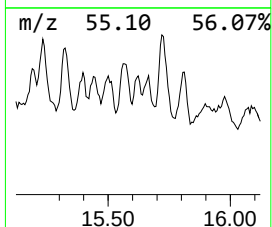
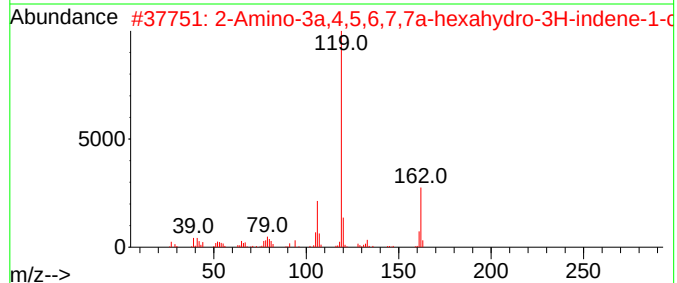
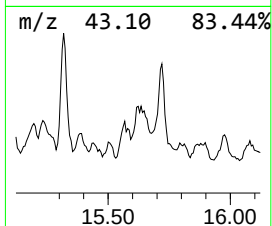
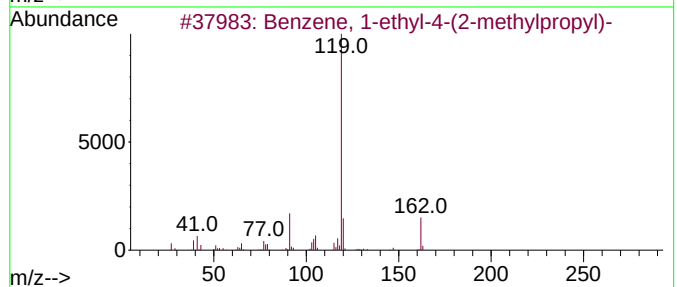
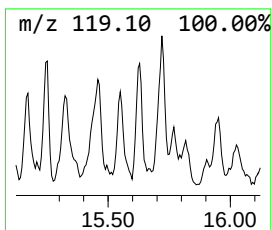
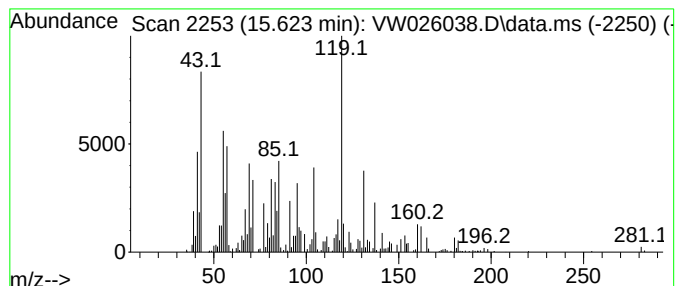
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Quant Title : SFAM01.0

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

Peak Number 63 unknown-07 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.623	5.81 ug/L	292235	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-4-(2-methylprop...	162	C12H18	100319-40-2	25
2			2-Amino-3a,4,5,6,7,7a-hexahydro-...	162	C10H14N2	1000185-29-8	22
3			p-Cymene	134	C10H14	000099-87-6	18
4			Benzamide, 4-methyl-N-(hept-2-yl)-	233	C15H23NO	1000407-46-9	14
5			Benzamide, 4-methyl-N-butyl-N-et...	219	C14H21NO	1000415-91-8	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

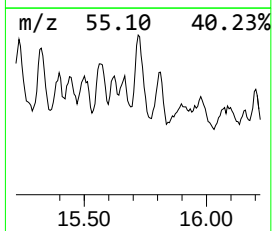
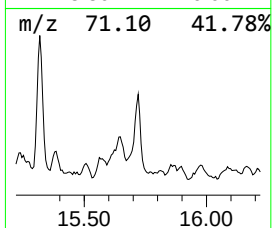
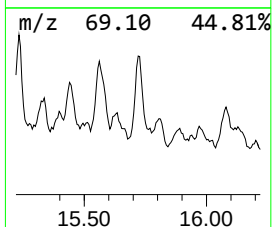
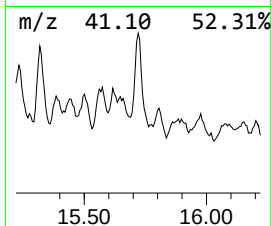
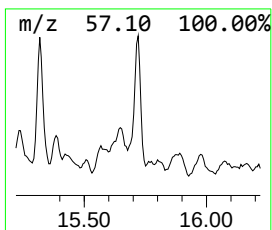
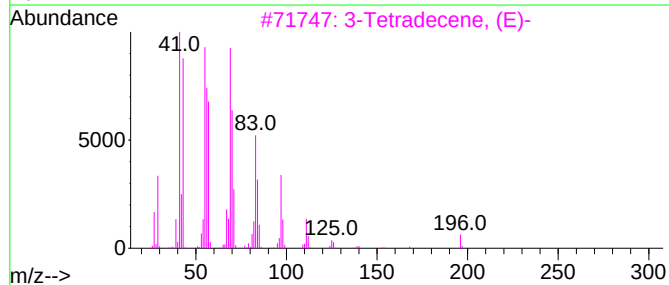
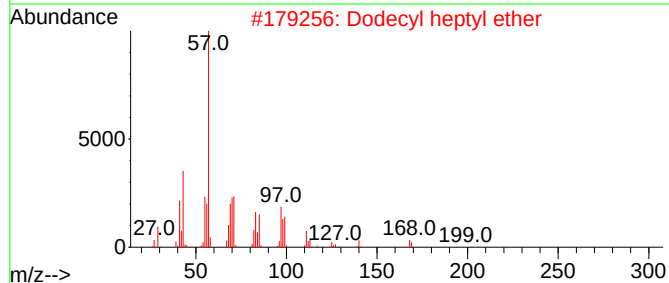
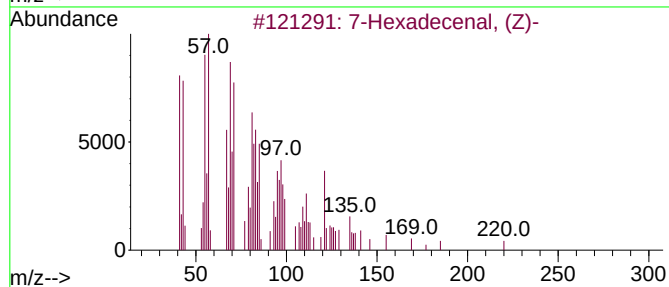
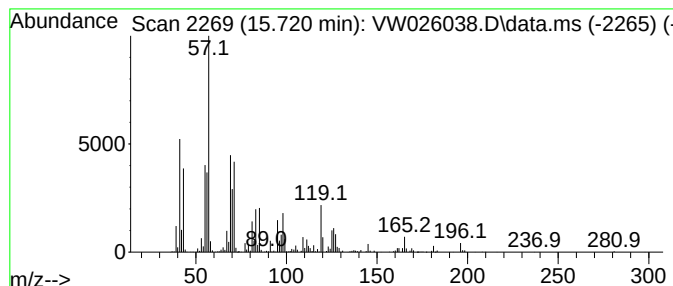
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Quant Title : SFAM01.0

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

Peak Number 64 unknown-08 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.720	16.34 ug/L	821348	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Hexadecenal, (Z)-	238	C16H30O	056797-40-1	47	
2	Dodecyl heptyl ether	284	C19H40O	1010406-39-2	43	
3	3-Tetradecene, (E)-	196	C14H28	041446-68-8	42	
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	41	
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	38	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

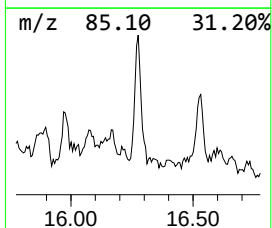
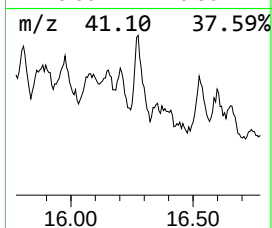
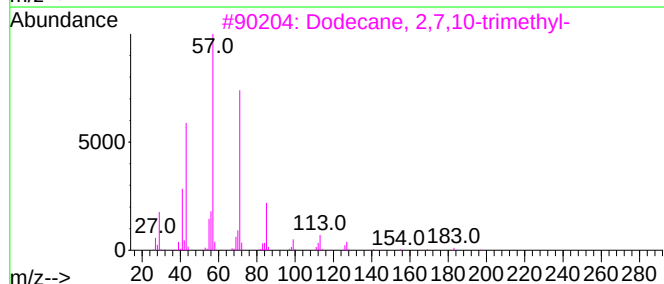
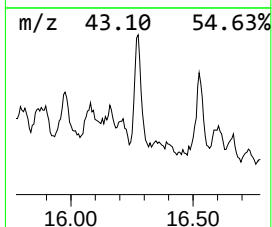
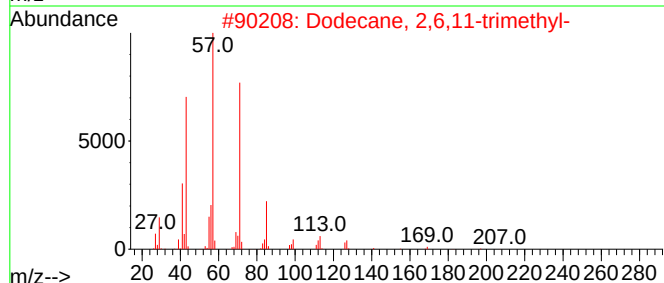
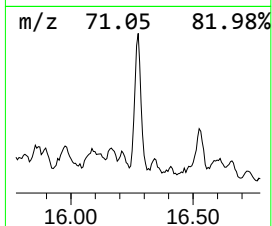
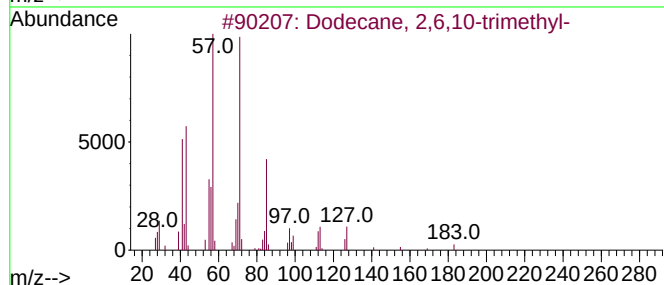
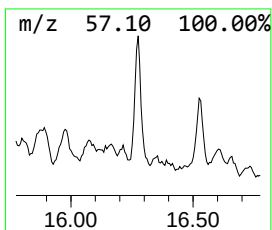
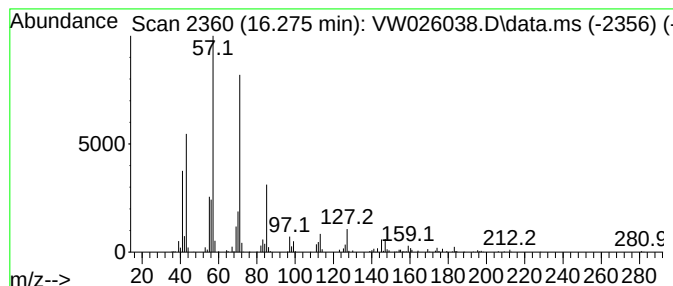
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Quant Title : SFAM01.0

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

Peak Number 65 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.275	8.52 ug/L	428392	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
2		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
3		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
4		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
5		Undecane, 6-ethyl-	184	C13H28	017312-60-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
Data File : VW026038.D
Acq On : 25 May 2023 14:15
Operator : SY/MD
Sample : 02950-02
Misc : 2.72g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW979

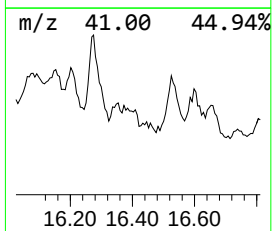
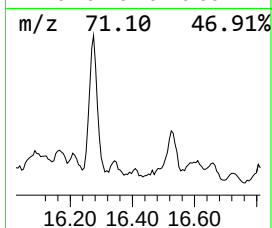
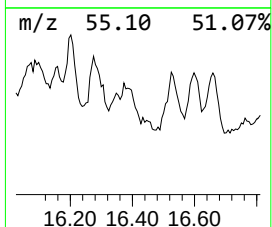
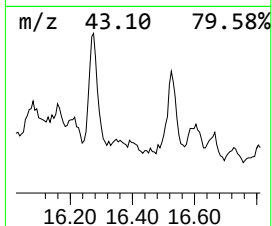
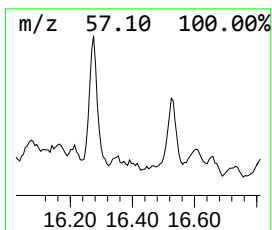
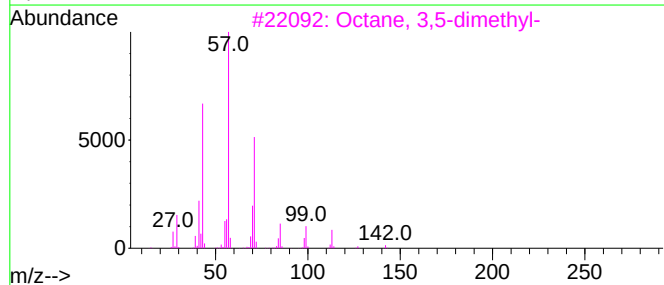
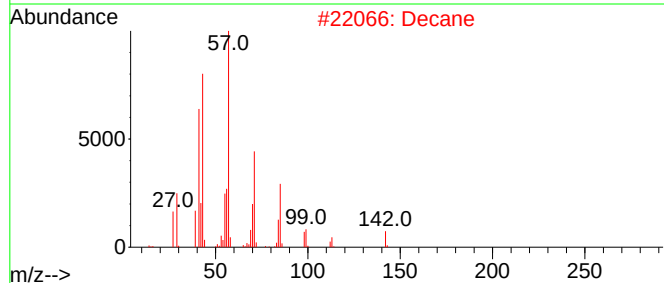
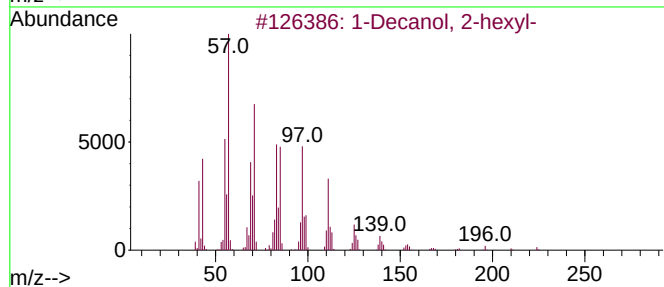
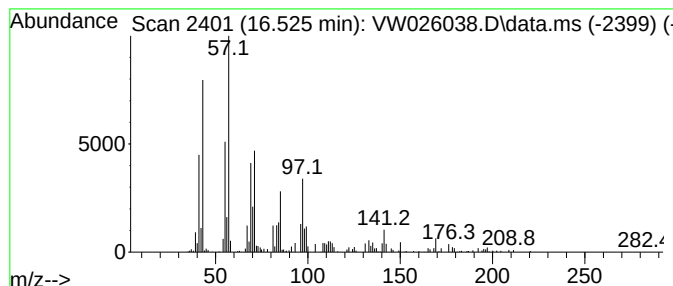
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Quant Title : SFAM01.0

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

Peak Number 66 1-Decanol, 2-hexyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.525	3.74 ug/L	187781	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	80
2		Decane	142	C10H22	000124-18-5	64
3		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	64
4		Decane	142	C10H22	000124-18-5	62
5		Dodecane	170	C12H26	000112-40-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
 Data File : VW026038.D
 Acq On : 25 May 2023 14:15
 Operator : SY/MD
 Sample : 02950-02
 Misc : 2.72g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW979

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
 Quant Title : SFAM01.0

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

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	5.941	1.6	ug/L	124689	1	8.843	1900930	25.0
(DEL) Alkane: S...	8.033	5.2	ug/L	391761	1	8.843	1900930	25.0
(DEL) Alkane: S...	8.417	2.1	ug/L	159446	1	8.843	1900930	25.0
(DEL) Alkane: S...	8.478	1.3	ug/L	99842	1	8.843	1900930	25.0
(DEL) Alkane: C...	8.575	1.6	ug/L	117824	1	8.843	1900930	25.0
(DEL) Alkane: S...	9.386	2.0	ug/L	152448	1	8.843	1900930	25.0
(DEL) Alkane: C...	9.605	12.4	ug/L	939516	1	8.843	1900930	25.0
Propanoic acid,...	9.758	2.8	ug/L	214796	1	8.843	1900930	25.0
(DEL) Alkane: S...	9.892	2.1	ug/L	162677	1	8.843	1900930	25.0
(DEL) Alkane: S...	9.941	3.7	ug/L	282414	1	8.843	1900930	25.0
(DEL) Alkane: S...	10.075	6.2	ug/L	468689	1	8.843	1900930	25.0
(DEL) Alkane: C...	10.209	1.8	ug/L	138567	1	8.843	1900930	25.0
(DEL) Alkane: S...	10.240	1.7	ug/L	136083	2	11.630	2030000	25.0
(DEL) Alkane: C...	10.508	11.6	ug/L	944014	2	11.630	2030000	25.0
(DEL) Alkane: C...	10.666	9.0	ug/L	728981	2	11.630	2030000	25.0
1,3-Dimethyl-1-...	10.746	6.9	ug/L	562019	2	11.630	2030000	25.0
(DEL) Alkane: C...	10.843	1.7	ug/L	137354	2	11.630	2030000	25.0
(DEL) Alkane: S...	11.026	6.3	ug/L	514614	2	11.630	2030000	25.0
(DEL) Alkane: C...	11.105	1.5	ug/L	122435	2	11.630	2030000	25.0
(DEL) Alkane: C...	11.142	5.0	ug/L	408860	2	11.630	2030000	25.0
(DEL) Alkane: C...	11.227	9.4	ug/L	759991	2	11.630	2030000	25.0
(DEL) Alkane: C...	11.282	3.8	ug/L	312015	2	11.630	2030000	25.0
(DEL) Alkane: S...	11.319	2.8	ug/L	226662	2	11.630	2030000	25.0
(DEL) Alkane: S...	11.380	1.3	ug/L	107526	2	11.630	2030000	25.0
(DEL) Alkane: C...	11.434	6.7	ug/L	539734	2	11.630	2030000	25.0
(DEL) Alkane: C...	11.556	6.1	ug/L	496933	2	11.630	2030000	25.0
Butanoic acid,4...	11.721	1.4	ug/L	115504	2	11.630	2030000	25.0
(DEL) Alkane: C...	11.764	2.5	ug/L	200723	2	11.630	2030000	25.0
Cyclopentane, 1...	11.910	7.8	ug/L	635325	2	11.630	2030000	25.0
(DEL) Alkane: S...	11.971	4.9	ug/L	397160	2	11.630	2030000	25.0
Cyclohexene, 1-...	12.032	1.5	ug/L	124138	2	11.630	2030000	25.0
(DEL) Alkane: C...	12.136	17.1	ug/L	1384550	2	11.630	2030000	25.0
(DEL) Alkane: C...	12.227	7.4	ug/L	603184	2	11.630	2030000	25.0
(DEL) Alkane: C...	12.294	5.6	ug/L	453572	2	11.630	2030000	25.0
Bicyclo[3.3.1]n...	12.337	19.1	ug/L	1548920	2	11.630	2030000	25.0
Methoxyacetic a...	12.416	4.7	ug/L	379156	2	11.630	2030000	25.0
Acetic acid, tr...	12.507	5.7	ug/L	465203	2	11.630	2030000	25.0
(DEL) Alkane: C...	12.611	5.4	ug/L	271087	3	13.556	1256680	25.0
1H-Indene, octa...	12.782	8.1	ug/L	405408	3	13.556	1256680	25.0
(DEL) Alkane: S...	12.855	17.8	ug/L	892094	3	13.556	1256680	25.0
(DEL) Alkane: C...	12.922	15.6	ug/L	783153	3	13.556	1256680	25.0
Dichloroacetic ...	13.074	15.1	ug/L	758726	3	13.556	1256680	25.0
Sulfurous acid,...	13.117	5.1	ug/L	255596	3	13.556	1256680	25.0
unknown-01	13.178	14.8	ug/L	745054	3	13.556	1256680	25.0
(DEL) Alkane: S...	13.336	6.2	ug/L	312699	3	13.556	1256680	25.0
(DEL) Alkane: C...	13.428	6.8	ug/L	340307	3	13.556	1256680	25.0
unknown-02	13.477	5.5	ug/L	279221	3	13.556	1256680	25.0
(DEL) Alkane: S...	13.690	5.3	ug/L	264833	3	13.556	1256680	25.0
unknown-03	13.928	4.6	ug/L	229602	3	13.556	1256680	25.0
(DEL) Alkane: S...	13.977	3.2	ug/L	158951	3	13.556	1256680	25.0
unknown-04	14.190	9.0	ug/L	451807	3	13.556	1256680	25.0
(Z)-Non-3-en-1-...	14.257	13.9	ug/L	697549	3	13.556	1256680	25.0

Cyclohexene, 1-...	14.312	5.3	ug/L	266469	3	13.556	1256680	25.0
trans-Decalin, ...	14.379	17.2	ug/L	865186	3	13.556	1256680	25.0
1-Methyldecahyd...	14.544	18.9	ug/L	947375	3	13.556	1256680	25.0
unknown-05	14.787	7.6	ug/L	382113	3	13.556	1256680	25.0
(DEL) Alkane: S...	14.836	33.0	ug/L	1657820	3	13.556	1256680	25.0
unknown-06	15.050	5.2	ug/L	261845	3	13.556	1256680	25.0
Octane, 1,1'-ox...	15.318	16.6	ug/L	835166	3	13.556	1256680	25.0
Disparlure	15.568	6.9	ug/L	347626	3	13.556	1256680	25.0
unknown-07	15.623	5.8	ug/L	292235	3	13.556	1256680	25.0
unknown-08	15.720	16.3	ug/L	821348	3	13.556	1256680	25.0
(DEL) Alkane: S...	16.275	8.5	ug/L	428392	3	13.556	1256680	25.0
1-Decanol, 2-he...	16.525	3.7	ug/L	187781	3	13.556	1256680	25.0

Instrument :

MSVOA_W

ClientSampleId :

EW979