

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
 Data File : VW026776.D
 Acq On : 18 Aug 2023 17:45
 Operator : SY/MD
 Sample : 04037-14
 Misc : 5.61g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EZYH3

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\SFAMWLM081023SMA.M
 Title : SFAM01.0

Signal : TIC: VW026776.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.960	7	12	26	rVB2	83487	171505	5.36%	0.361%
2	2.363	68	78	89	rBV2	104049	318699	9.95%	0.671%
3	2.893	158	165	181	rBV	72550	217014	6.78%	0.457%
4	3.393	238	247	263	rVB3	37929	112018	3.50%	0.236%
5	4.027	338	351	363	rBV	173112	654689	20.45%	1.378%
6	4.125	364	367	381	rVB	29324	80161	2.50%	0.169%
7	4.387	399	410	425	rBV	28976	105445	3.29%	0.222%
8	4.935	486	500	523	rBV6	48784	274713	8.58%	0.578%
9	5.435	571	582	593	rBV2	17906	65885	2.06%	0.139%
10	5.941	656	665	679	rVB2	28602	86606	2.70%	0.182%
11	7.075	844	851	861	rBV	119051	343827	10.74%	0.723%
12	7.648	933	945	963	rBV	460796	1139547	35.59%	2.398%
13	7.929	982	991	993	rBV3	38631	89293	2.79%	0.188%
14	8.032	1003	1008	1019	rVB	28628	73938	2.31%	0.156%
15	8.154	1019	1028	1035	rBV2	70843	156751	4.90%	0.330%
16	8.276	1035	1048	1064	rVV2	897632	2714365	84.77%	5.711%
17	8.435	1064	1074	1080	rVV3	35965	97617	3.05%	0.205%
18	8.508	1080	1086	1091	rVV2	28711	69179	2.16%	0.146%
19	8.575	1091	1097	1109	rVB3	54446	139353	4.35%	0.293%
20	8.697	1109	1117	1128	rVB2	43725	96999	3.03%	0.204%
21	8.843	1132	1141	1153	rBV	701680	1392048	43.47%	2.929%
22	9.081	1171	1180	1187	rBV4	23607	61003	1.91%	0.128%
23	9.270	1203	1211	1217	rBV	654613	1454401	45.42%	3.060%
24	9.337	1217	1222	1228	rVB	379152	748303	23.37%	1.575%
25	9.514	1245	1251	1257	rBV	37017	65489	2.05%	0.138%
26	9.605	1257	1266	1273	rBV2	81224	178248	5.57%	0.375%
27	9.752	1283	1290	1298	rBV2	117605	237470	7.42%	0.500%
28	9.898	1306	1314	1317	rBV	51829	92413	2.89%	0.194%
29	9.953	1317	1323	1328	rVV2	189053	380895	11.90%	0.801%
30	10.032	1332	1336	1341	rVV	240973	396253	12.38%	0.834%
31	10.093	1341	1346	1358	rVB2	199064	515482	16.10%	1.085%
32	10.209	1359	1365	1368	rBV4	21761	46093	1.44%	0.097%
33	10.319	1375	1383	1399	rBV	1539912	3201973	100.00%	6.737%
34	10.447	1399	1404	1406	rBV	36788	58315	1.82%	0.123%
35	10.501	1406	1413	1420	rVB3	233315	544465	17.00%	1.146%
36	10.581	1420	1426	1430	rBV	159233	313655	9.80%	0.660%

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Integrator: RTE

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
 Title : SFAM01.0

37	10.666	1435	1440	1449	rVB	340444	633193	19.78%	1.332%
38	10.758	1449	1455	1461	rBV3	160770	347061	10.84%	0.730%
39	10.843	1465	1469	1474	rVB	86604	138115	4.31%	0.291%
40	10.928	1474	1483	1490	rBV2	569673	1097082	34.26%	2.308%
41	11.032	1490	1500	1508	rBV2	156276	401839	12.55%	0.846%
42	11.105	1508	1512	1515	rBV2	100581	152251	4.75%	0.320%
43	11.178	1515	1524	1528	rBV	488983	864411	27.00%	1.819%
44	11.227	1528	1532	1538	rVB	657720	1094737	34.19%	2.303%
45	11.282	1538	1541	1544	rVB2	75420	91816	2.87%	0.193%
46	11.337	1544	1550	1554	rBV3	245104	413667	12.92%	0.870%
47	11.404	1554	1561	1563	rBV2	192520	409668	12.79%	0.862%
48	11.507	1573	1578	1583	rBV	320711	526961	16.46%	1.109%
49	11.629	1592	1598	1607	rBV	803446	1426379	44.55%	3.001%
50	11.721	1608	1613	1616	rBV2	93946	150312	4.69%	0.316%
51	11.763	1616	1620	1623	rBV	123040	163019	5.09%	0.343%
52	11.812	1623	1628	1633	rBV6	127588	293488	9.17%	0.618%
53	11.873	1633	1638	1642	rBV	343632	607463	18.97%	1.278%
54	11.971	1650	1654	1661	rBV3	98346	235793	7.36%	0.496%
55	12.050	1661	1667	1673	rVB4	111392	294820	9.21%	0.620%
56	12.135	1673	1681	1688	rBV3	599352	1404850	43.87%	2.956%
57	12.251	1692	1700	1704	rVB2	467841	924199	28.86%	1.945%
58	12.306	1704	1709	1710	rBV3	173933	285527	8.92%	0.601%
59	12.361	1710	1718	1725	rVV3	731860	2129267	66.50%	4.480%
60	12.471	1730	1736	1739	rBV4	323645	625735	19.54%	1.317%
61	12.617	1755	1760	1762	rBV4	103871	159287	4.97%	0.335%
62	12.647	1762	1765	1767	rVV	76737	95425	2.98%	0.201%
63	12.690	1767	1772	1781	rVV	761580	1488591	46.49%	3.132%
64	12.775	1781	1786	1793	rVB2	566776	1040789	32.50%	2.190%
65	12.861	1793	1800	1804	rBV5	234164	589258	18.40%	1.240%
66	12.934	1805	1812	1818	rVV5	445927	1238699	38.69%	2.606%
67	12.989	1818	1821	1824	rVB2	120386	158601	4.95%	0.334%
68	13.074	1831	1835	1839	rBV3	145055	205077	6.40%	0.432%
69	13.117	1839	1842	1845	rVV3	114244	163985	5.12%	0.345%
70	13.160	1845	1849	1861	rVB3	449867	802239	25.05%	1.688%
71	13.257	1861	1865	1867	rBV3	103567	164491	5.14%	0.346%
72	13.288	1867	1870	1875	rVB3	105735	161032	5.03%	0.339%
73	13.373	1882	1884	1888	rVV4	57358	67812	2.12%	0.143%
74	13.440	1889	1895	1899	rVV5	303015	660468	20.63%	1.390%
75	13.477	1899	1901	1905	rVV2	146457	202802	6.33%	0.427%
76	13.556	1909	1914	1922	rVB2	531754	940448	29.37%	1.979%

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 Title : SFAM01.0

77	13.623	1922	1925	1931	rVB6	51545	65998	2.06%	0.139%
78	13.696	1931	1937	1941	rBV5	118028	219165	6.84%	0.461%
79	13.787	1949	1952	1955	rBV2	44167	61864	1.93%	0.130%
80	13.855	1957	1963	1971	rVV3	687122	1834833	57.30%	3.861%
81	14.007	1985	1988	1995	rBV4	81331	217733	6.80%	0.458%
82	14.092	1999	2002	2006	rVB	136288	182177	5.69%	0.383%
83	14.196	2014	2019	2024	rBV3	173228	324006	10.12%	0.682%
84	14.257	2024	2029	2036	rVV5	117291	262516	8.20%	0.552%
85	14.336	2036	2042	2045	rVV4	145183	308460	9.63%	0.649%
86	14.379	2046	2049	2052	rVV3	230859	384232	12.00%	0.808%
87	14.415	2052	2055	2058	rVV2	193255	314742	9.83%	0.662%
88	14.452	2058	2061	2065	rVV	214257	288521	9.01%	0.607%
89	14.495	2065	2068	2071	rVV2	87691	105376	3.29%	0.222%
90	14.543	2071	2076	2083	rVB5	151403	288885	9.02%	0.608%
91	14.690	2096	2100	2102	rBV3	39824	70053	2.19%	0.147%
92	14.720	2102	2105	2111	rVB3	137967	216578	6.76%	0.456%
93	14.787	2111	2116	2121	rBV2	283411	623437	19.47%	1.312%
94	14.836	2121	2124	2131	rVB2	180527	378426	11.82%	0.796%
95	15.062	2156	2161	2173	rBV3	219998	519193	16.21%	1.092%
96	15.165	2173	2178	2187	rVV3	196555	420967	13.15%	0.886%
97	15.318	2198	2203	2207	rBV2	247825	414276	12.94%	0.872%
98	15.726	2266	2270	2275	rVB3	77726	131430	4.10%	0.277%
99	16.208	2346	2349	2354	rVB3	44074	72675	2.27%	0.153%
100	16.275	2355	2360	2368	rVB	144293	274942	8.59%	0.579%

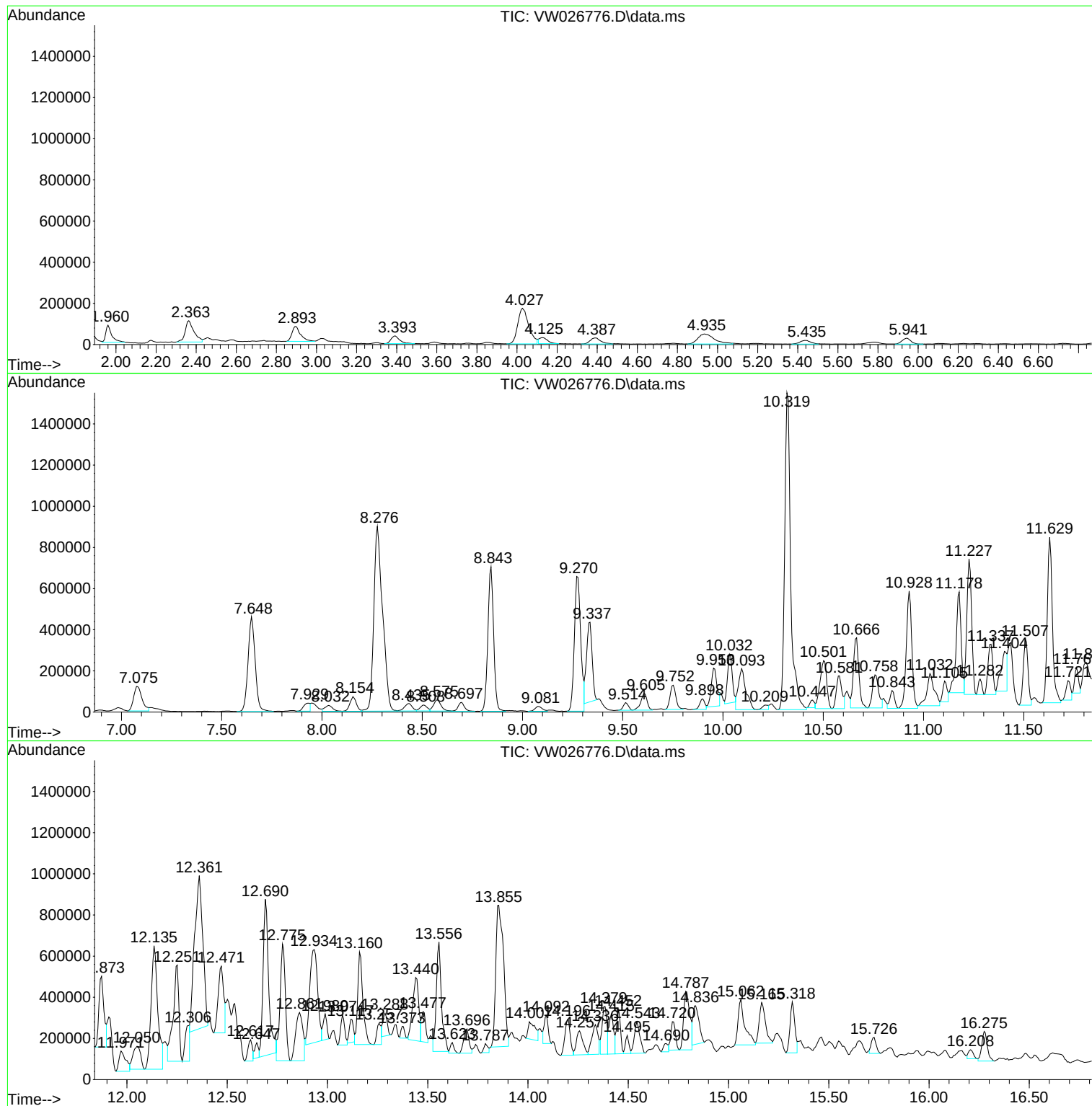
Sum of corrected areas: 47525252

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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



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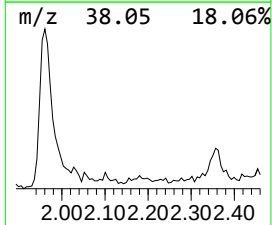
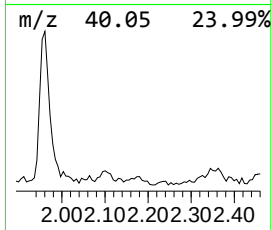
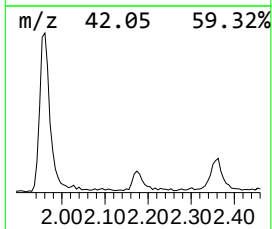
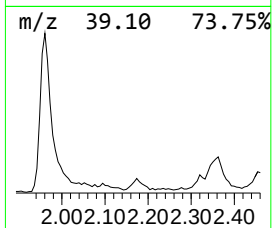
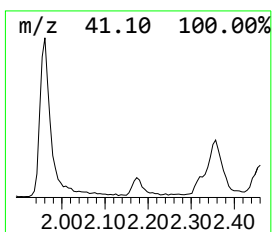
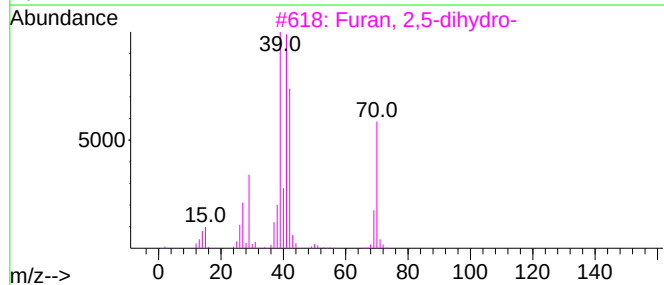
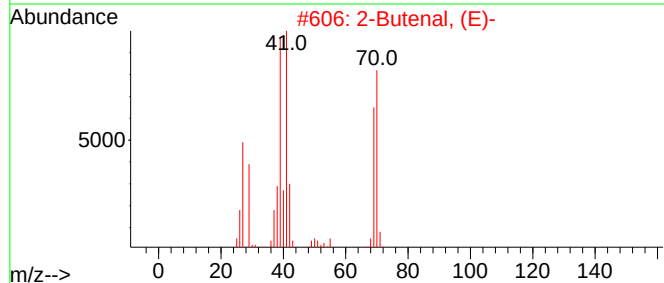
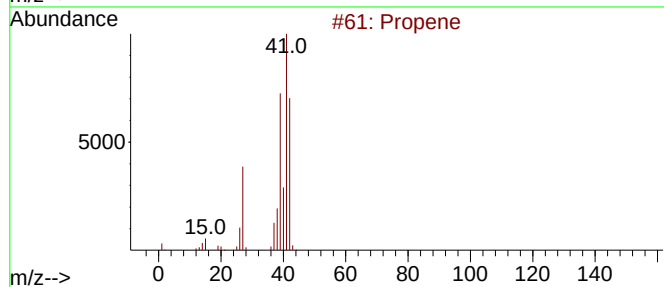
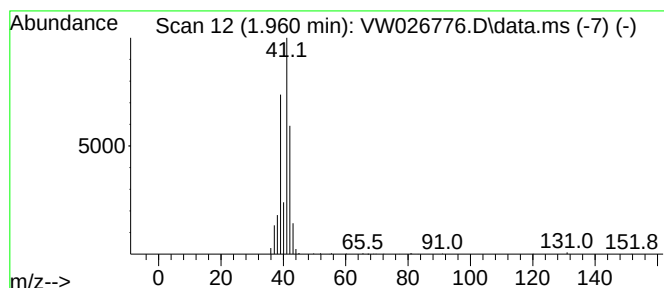
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.960	3.08 ug/L	171505	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Propene	42	C3H6	000115-07-1	90
2		2-Butenal, (E)-	70	C4H6O	000123-73-9	78
3		Furan, 2,5-dihydro-	70	C4H6O	001708-29-8	74
4		N-Methyl-7-azabicyclo(2,2,1)hept...	109	C7H11N	055590-26-6	64
5		3-Butenoic acid	86	C4H6O2	000625-38-7	64



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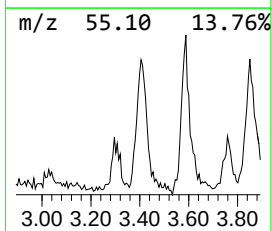
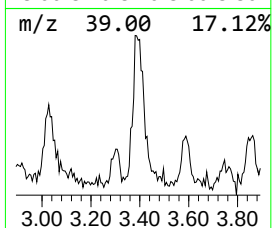
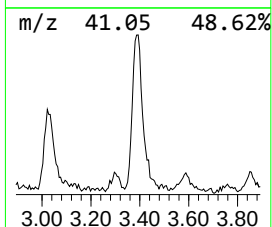
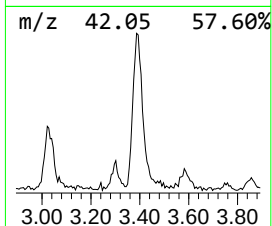
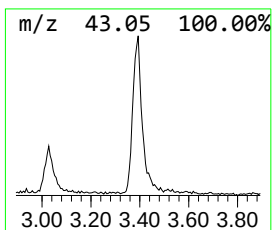
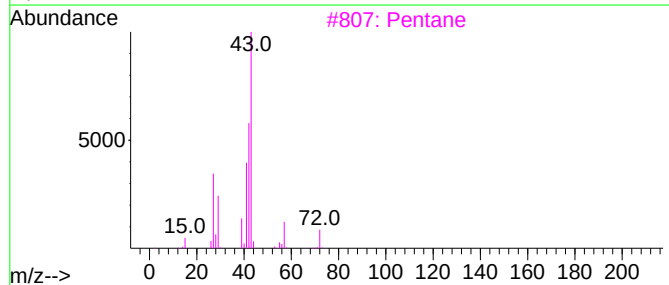
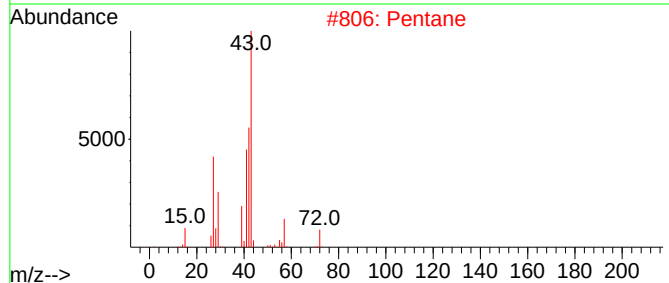
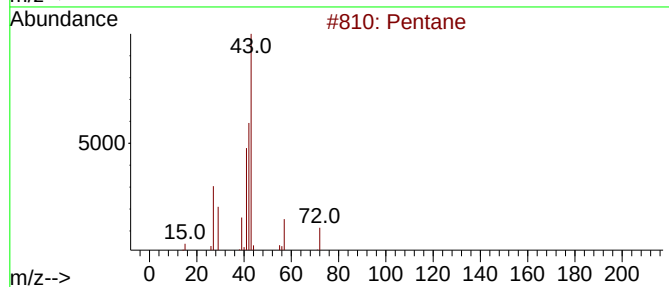
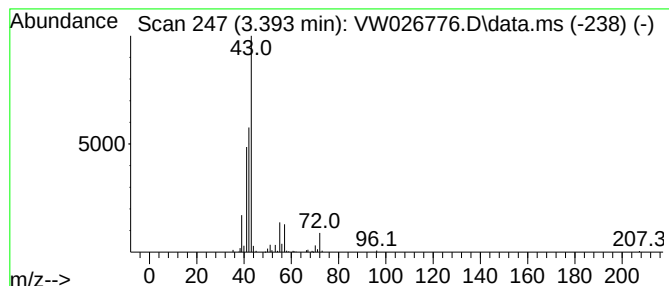
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.393	2.01 ug/L	112018	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane	72	C5H12	000109-66-0	80
2		Pentane	72	C5H12	000109-66-0	80
3		Pentane	72	C5H12	000109-66-0	72
4		Pentane	72	C5H12	000109-66-0	64
5		Pentane	72	C5H12	000109-66-0	53



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Instrument :
MSVOA_W
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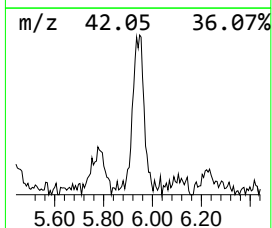
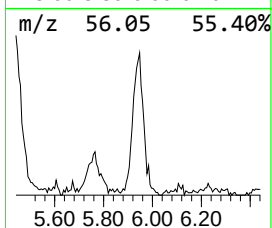
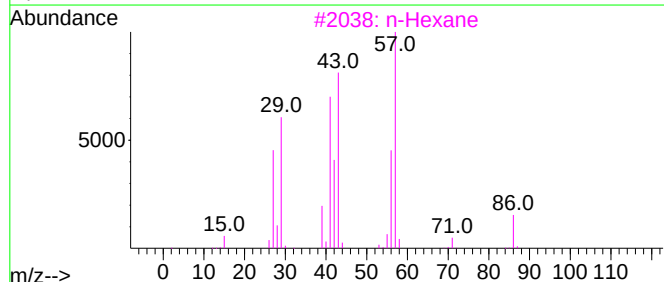
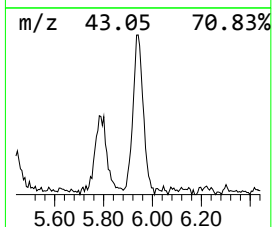
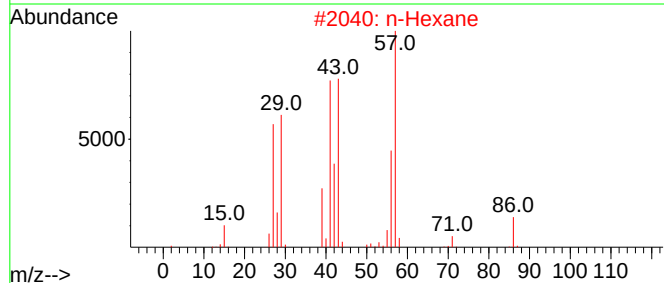
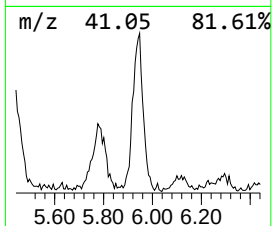
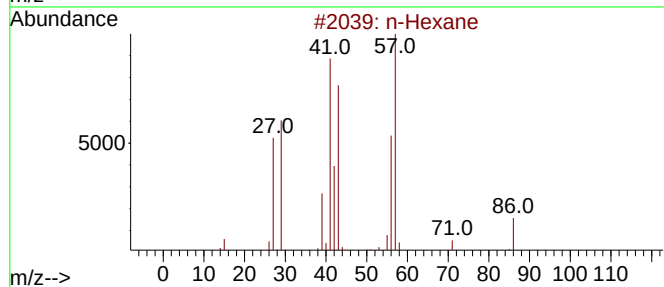
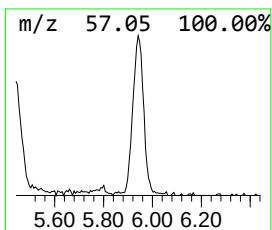
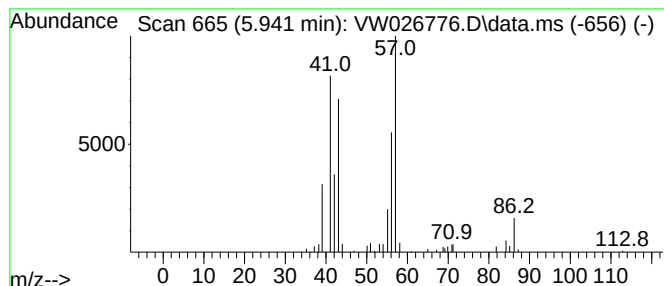
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.941	1.56 ug/L	86606	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane			86	C6H14	000110-54-3	91
2	n-Hexane			86	C6H14	000110-54-3	87
3	n-Hexane			86	C6H14	000110-54-3	86
4	2-Ethyl-oxetane			86	C5H10O	1010386-40-2	72
5	Furan, tetrahydro-3-methyl-			86	C5H10O	013423-15-9	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

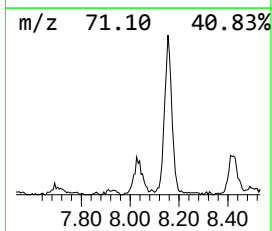
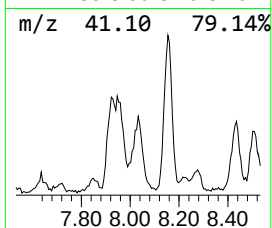
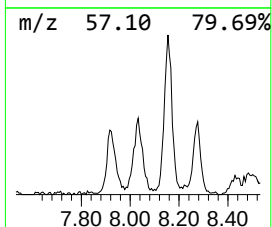
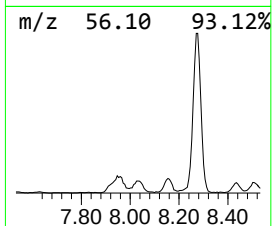
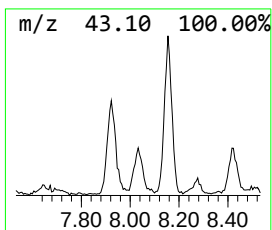
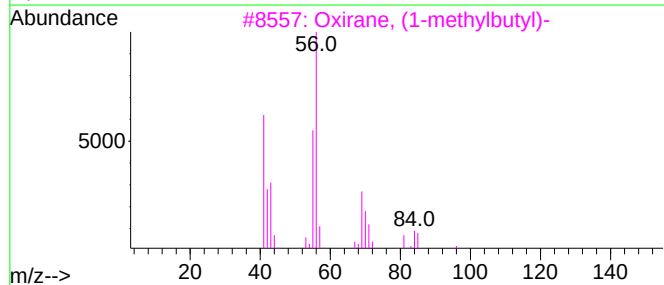
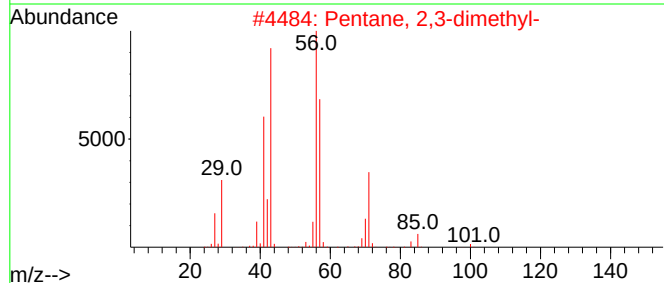
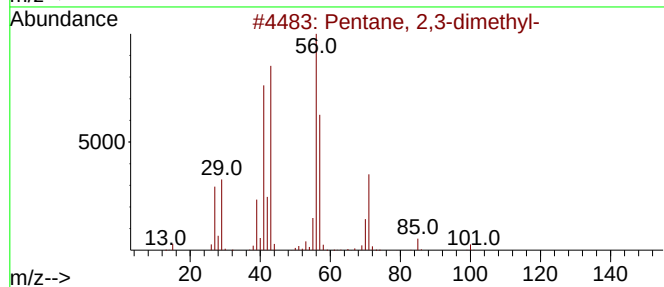
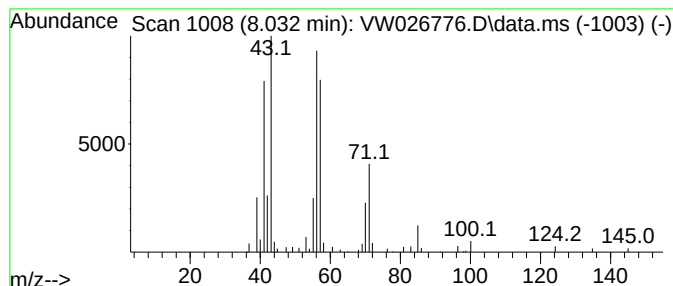
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Quant Title : SFAM01.0

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.
8.032	1.33 ug/L	73938	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
2		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	78
3		Oxirane, (1-methylbutyl)-	114	C7H14O	053229-39-3	59
4		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	56
5		1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

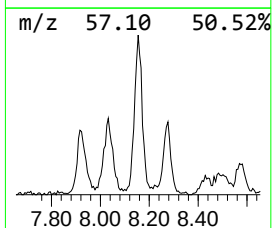
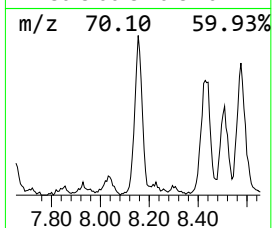
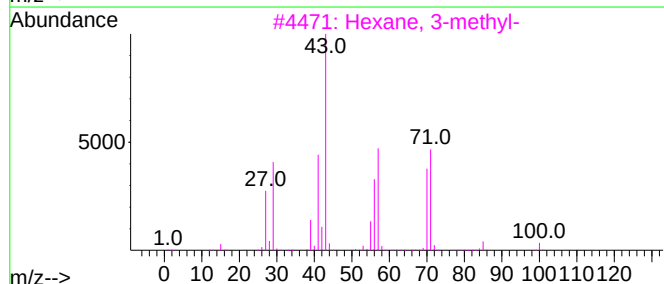
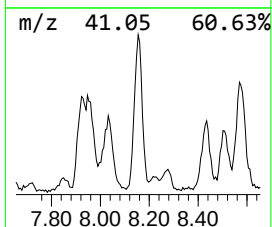
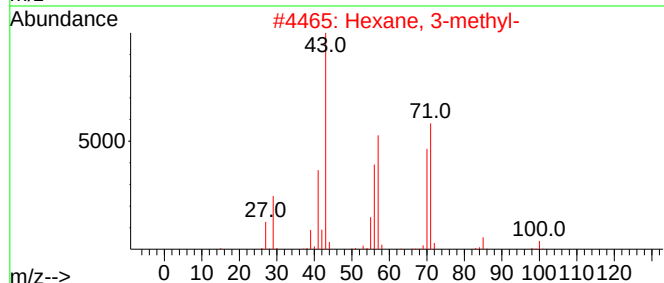
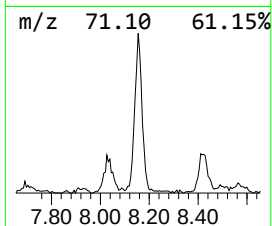
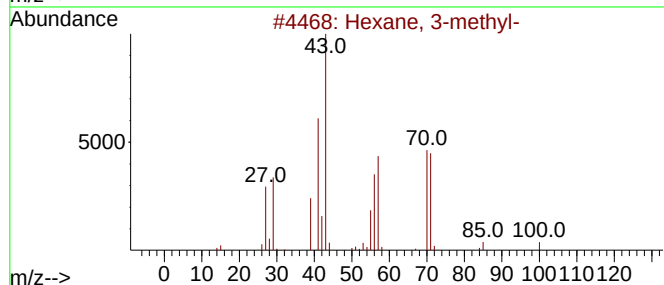
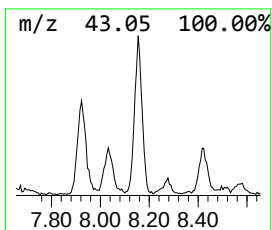
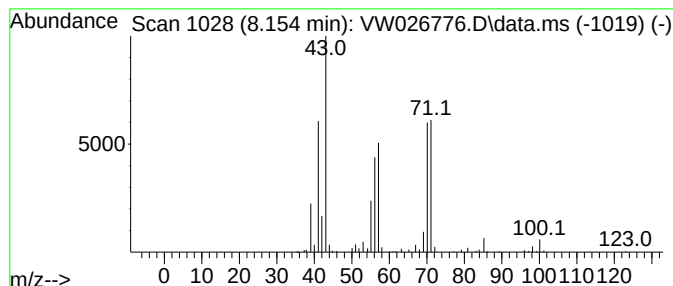
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.154	2.82 ug/L	156751	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 3-methyl-	100	C7H16	000589-34-4	94
2			Hexane, 3-methyl-	100	C7H16	000589-34-4	86
3			Hexane, 3-methyl-	100	C7H16	000589-34-4	72
4			Heptane	100	C7H16	000142-82-5	58
5			Heptane, 4-methyl-	114	C8H18	000589-53-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

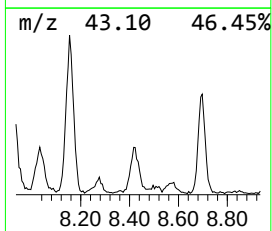
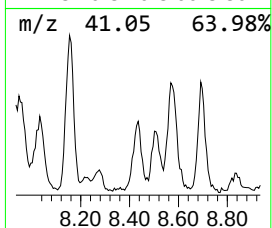
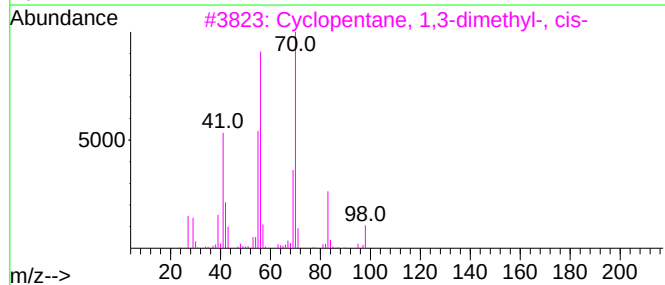
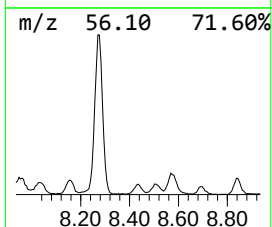
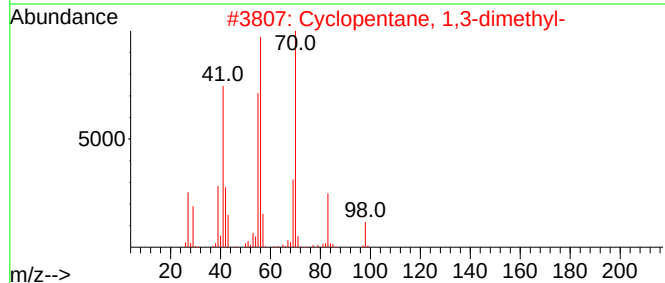
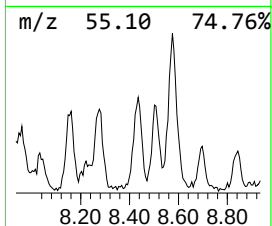
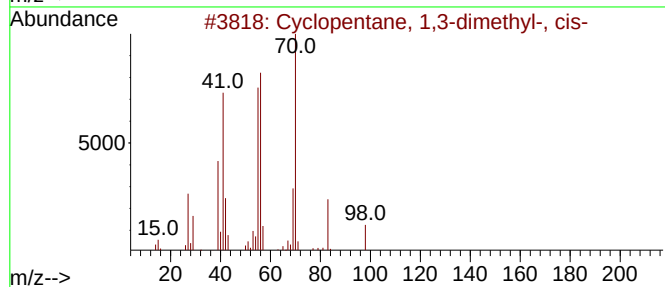
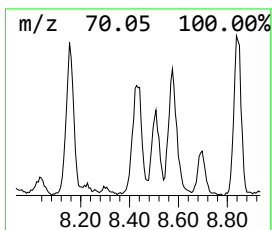
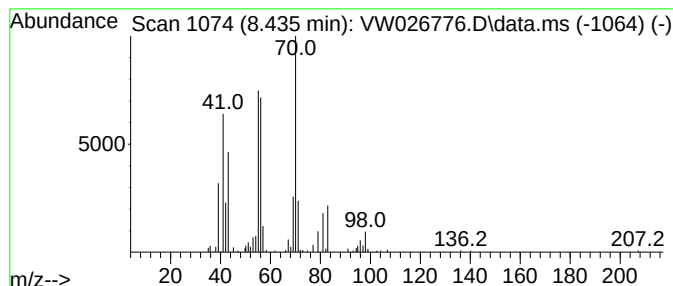
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Cyclic8.435 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.435	1.75 ug/L	97617	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	94
2		Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	93
3		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	72
4		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	60
5		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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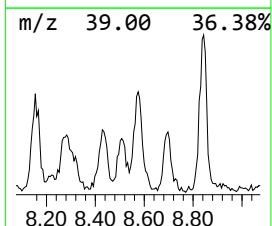
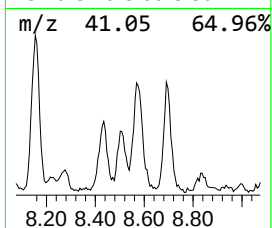
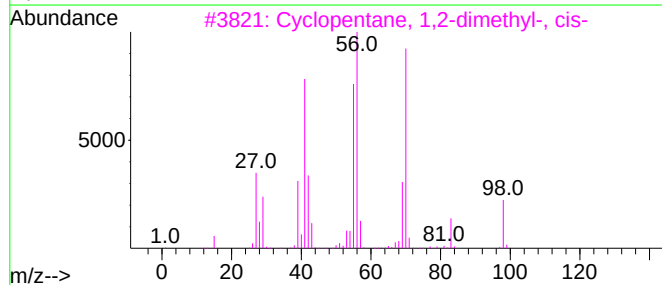
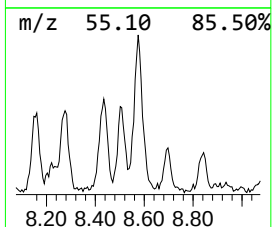
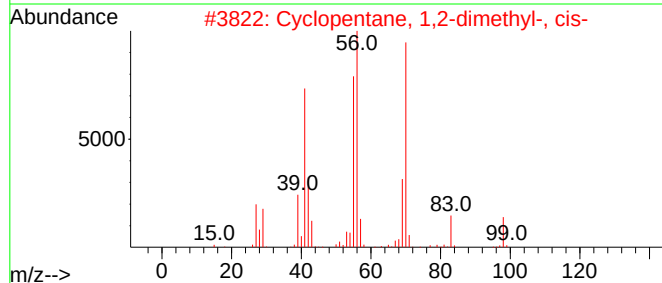
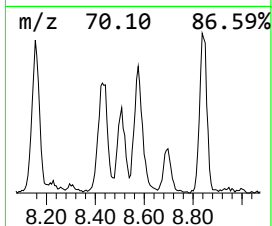
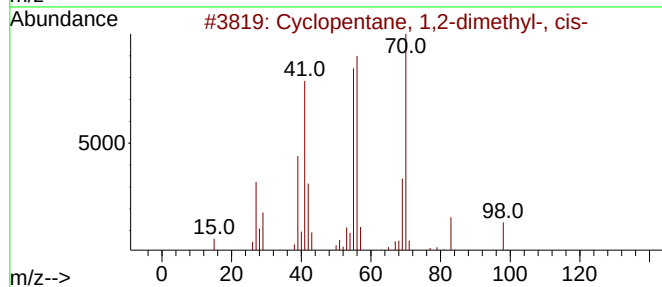
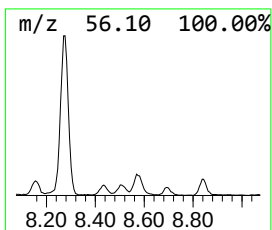
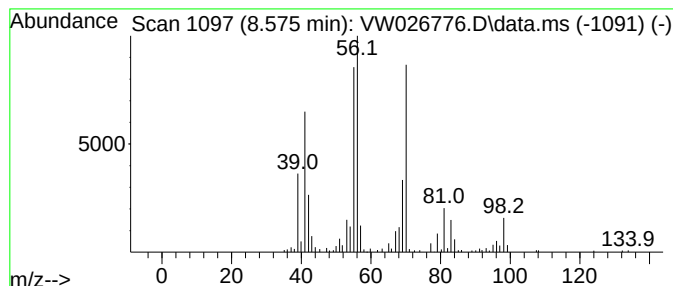
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Cyclic8.575 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.575	2.50 ug/L	139353	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	90
2			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	90
3			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	90
4			Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	87
5			Isopropylcyclobutane	98	C7H14	000872-56-0	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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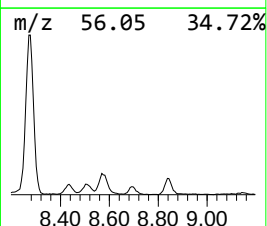
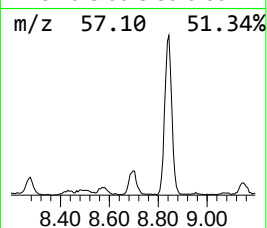
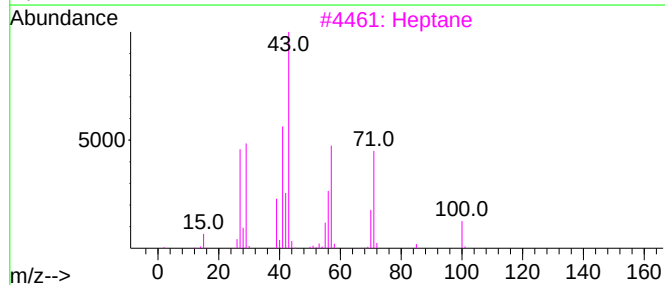
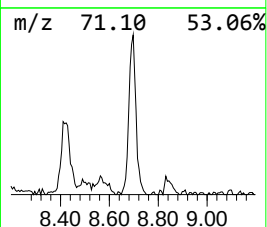
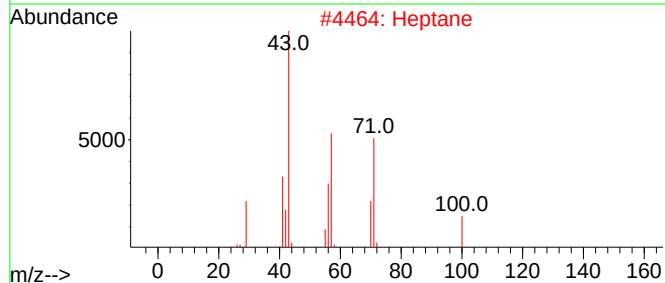
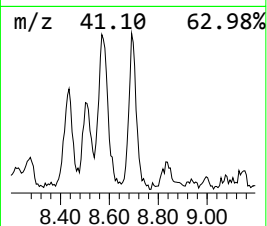
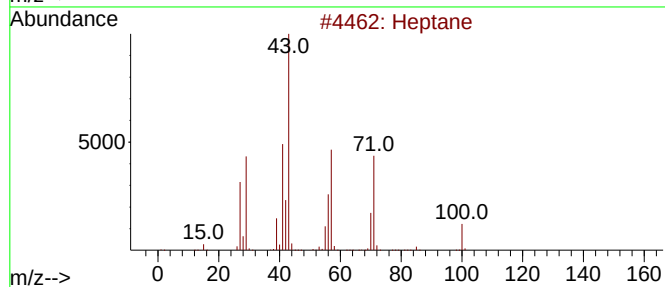
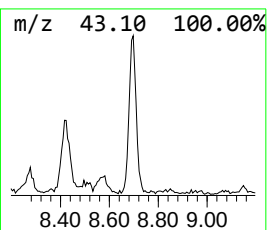
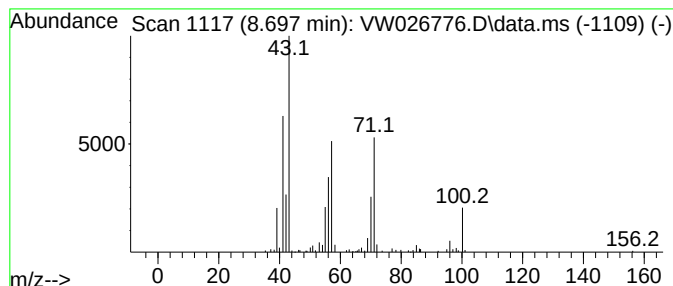
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.697	1.74 ug/L	96999	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane	100	C7H16	000142-82-5	80
2			Heptane	100	C7H16	000142-82-5	80
3			Heptane	100	C7H16	000142-82-5	72
4			Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	53
5			Isobutyl pentyl carbonate	188	C10H20O3	178442-32-5	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

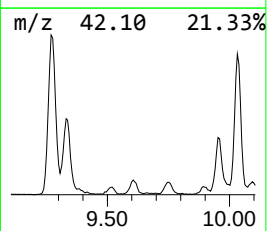
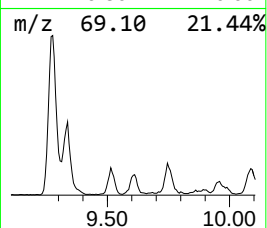
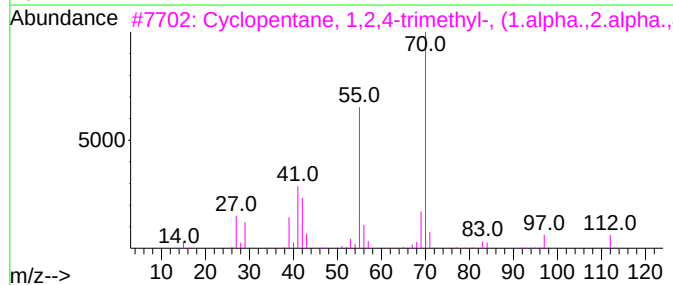
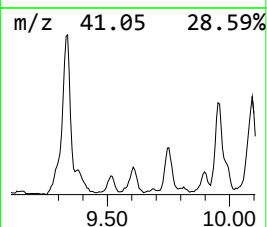
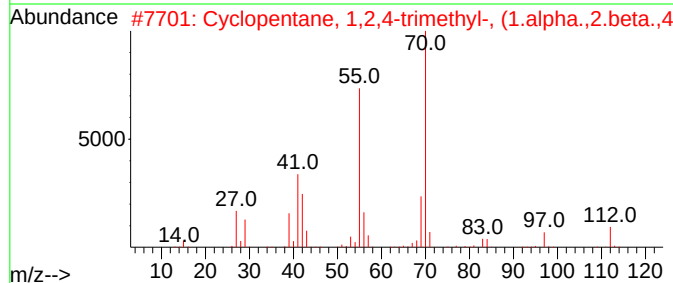
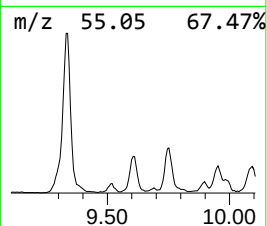
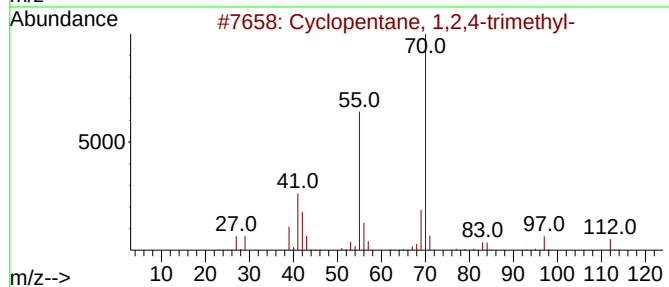
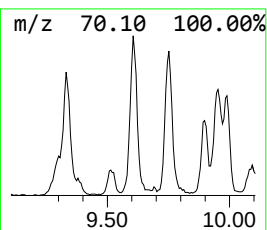
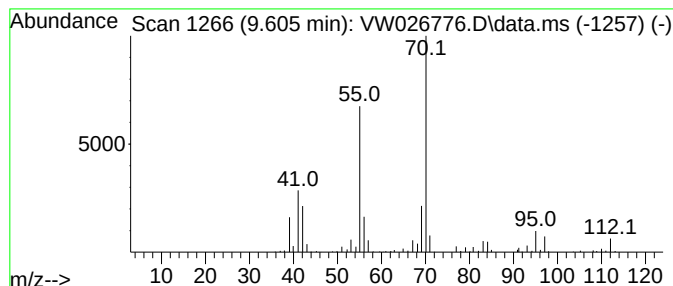
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Cyclic9.605 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.605	3.20 ug/L	178248	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	90
2			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	90
3			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	90
4			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	72
5			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

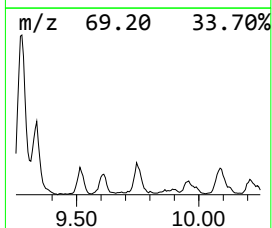
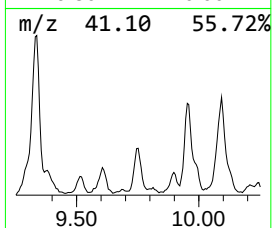
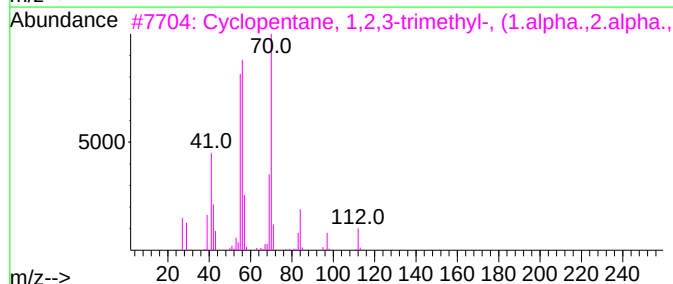
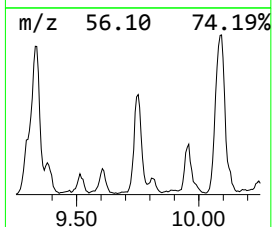
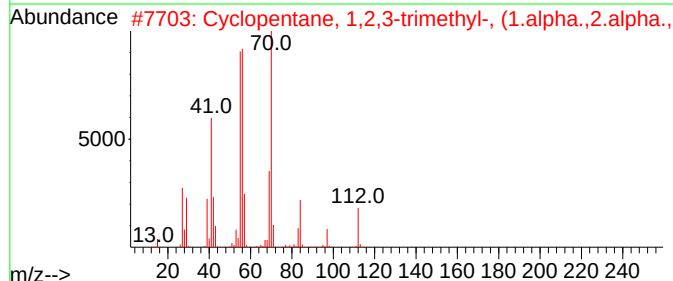
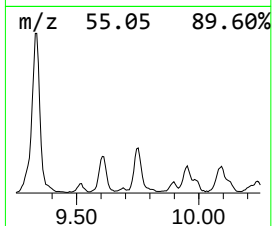
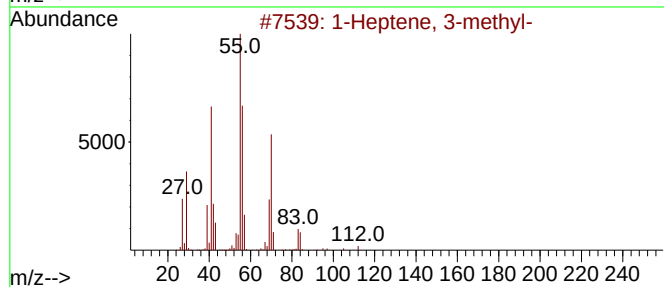
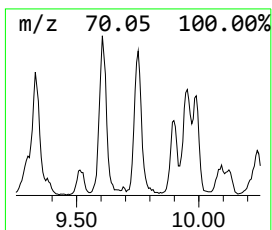
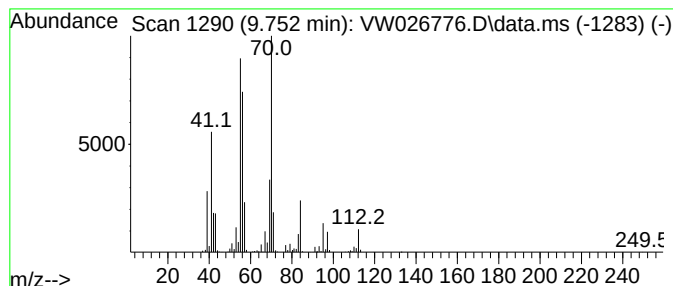
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Quant Title : SFAM01.0

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.752	4.26 ug/L	237470	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Heptene, 3-methyl-	112	C8H16	004810-09-7	90
2		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	87
3		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	87
4		Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	87
5		Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

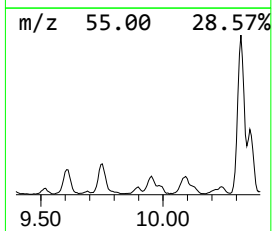
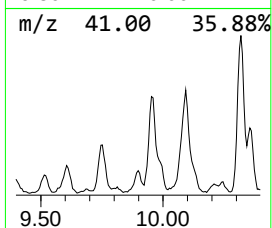
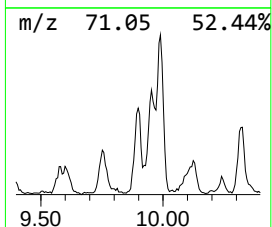
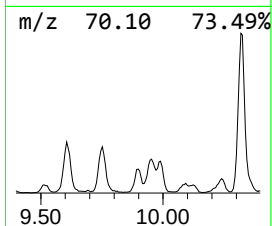
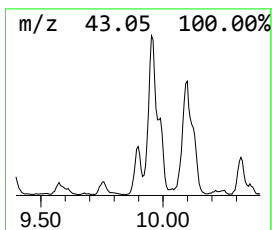
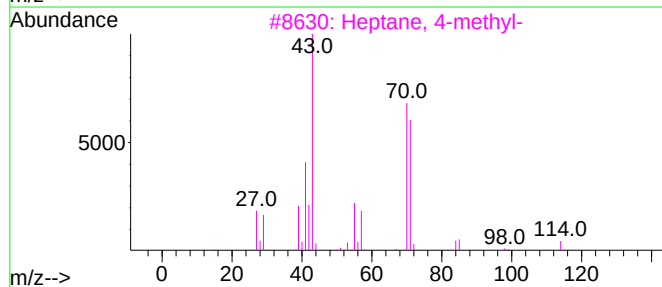
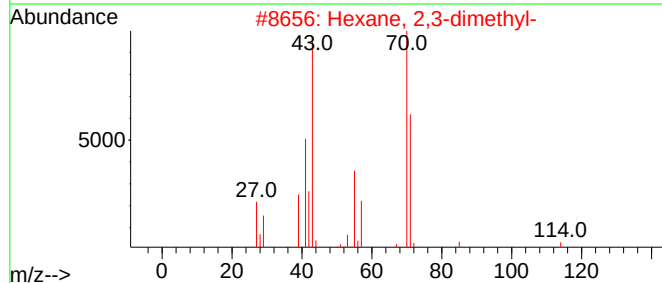
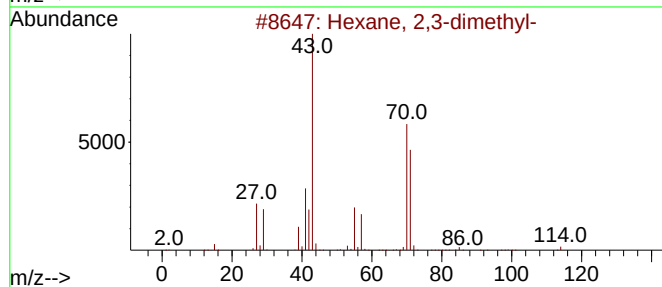
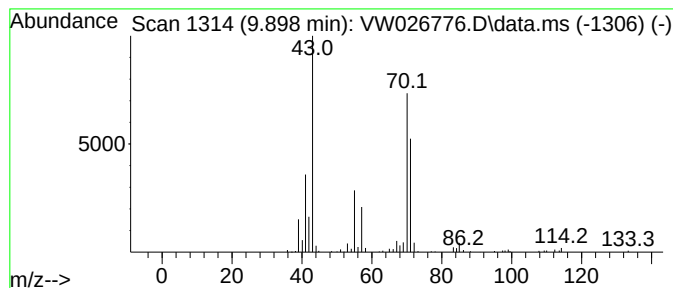
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.898	1.66 ug/L	92413	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	87
2			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	87
3			Heptane, 4-methyl-	114	C8H18	000589-53-7	83
4			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	78
5			Butanoic acid, 3-methylbutyl ester	158	C9H18O2	000106-27-4	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

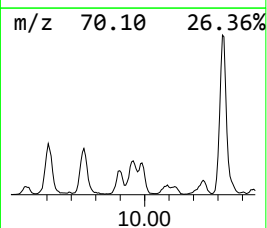
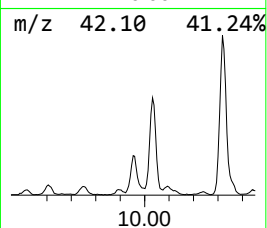
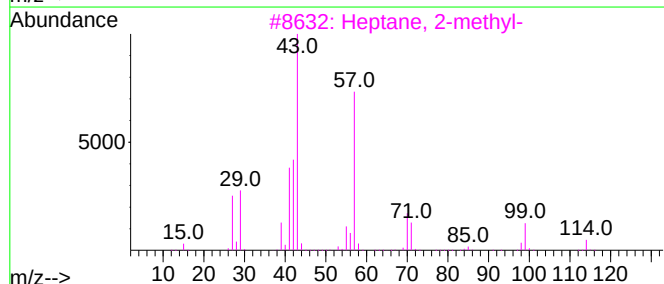
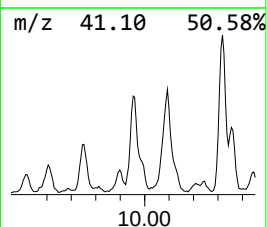
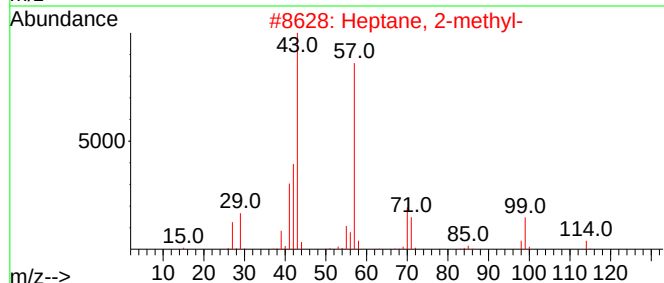
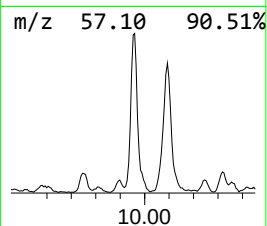
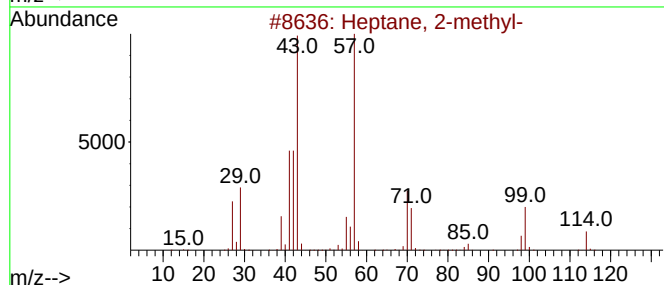
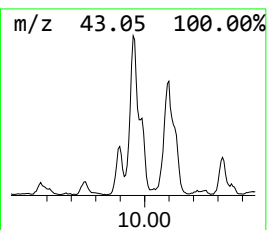
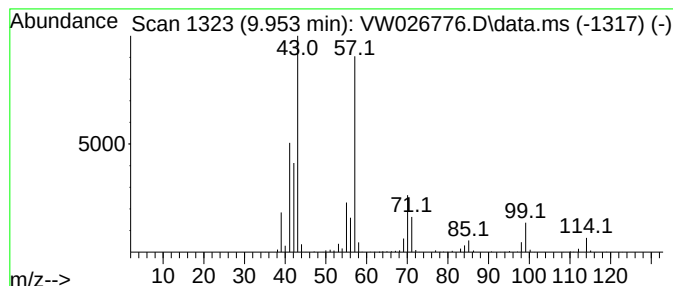
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Quant Title : SFAM01.0

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.
9.953	6.84 ug/L	380895	1,4-Difluorobenzene	8.843

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2-methyl-	114	C8H18	000592-27-8	91
2		Heptane, 2-methyl-	114	C8H18	000592-27-8	91
3		Heptane, 2-methyl-	114	C8H18	000592-27-8	90
4		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	47
5		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

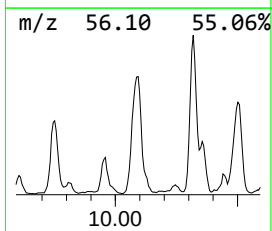
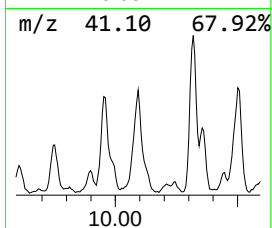
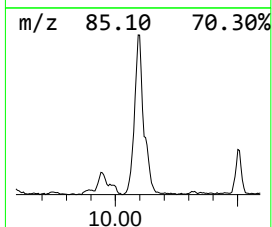
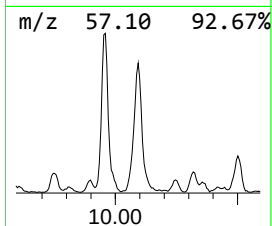
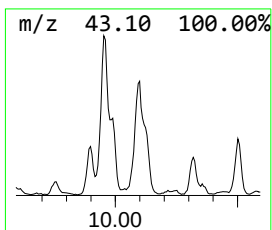
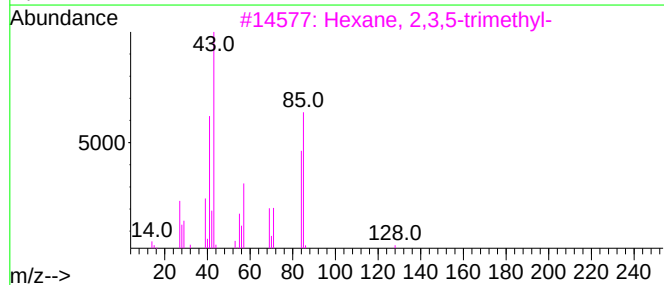
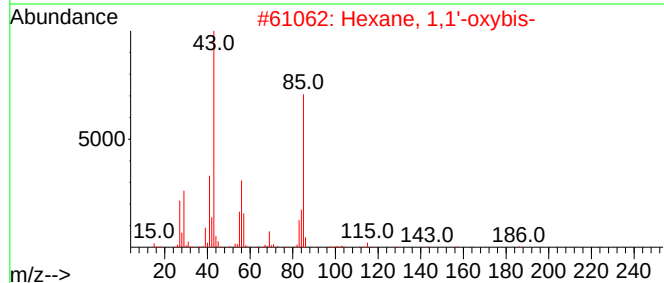
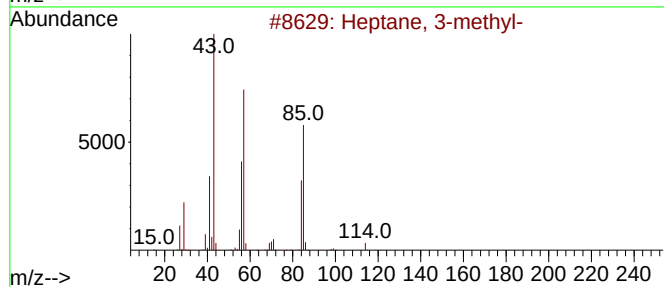
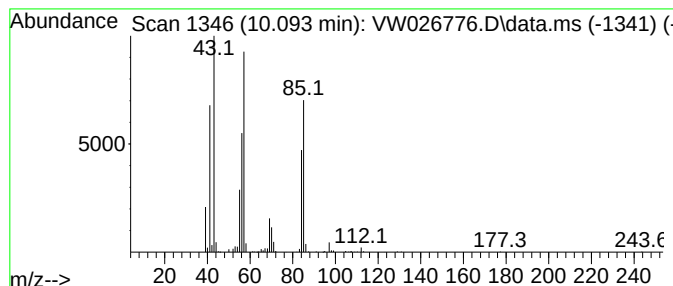
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Quant Title : SFAM01.0

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.093	9.26 ug/L	515482	1,4-Difluorobenzene	8.843

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-methyl-	114	C8H18	000589-81-1	64
2			Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	50
3			Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	50
4			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
5			Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

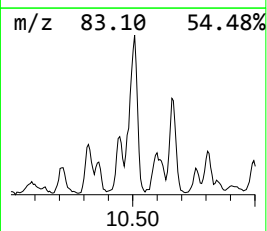
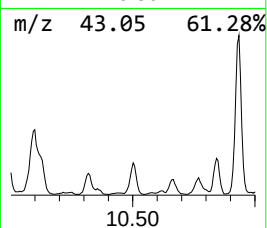
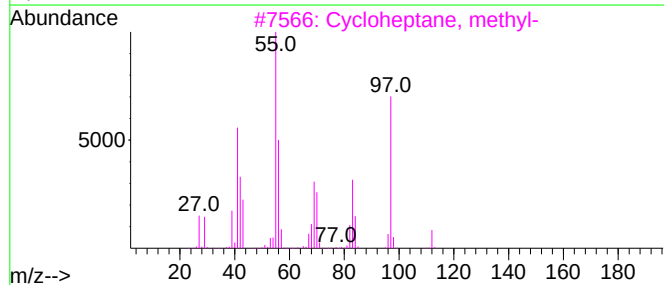
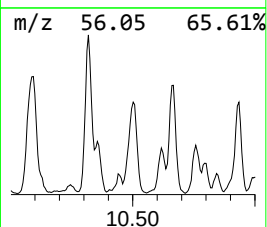
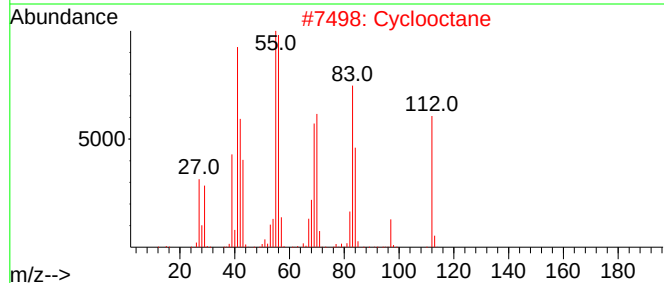
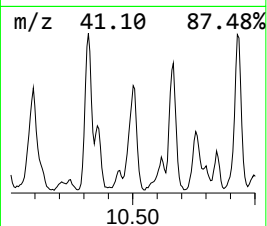
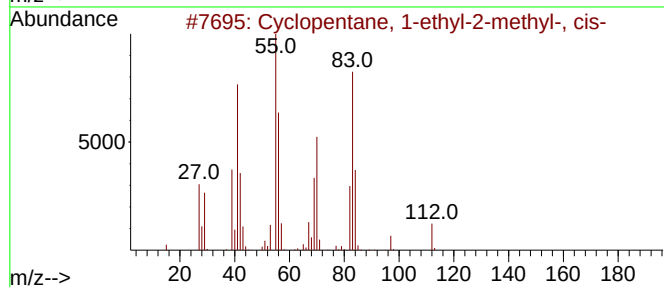
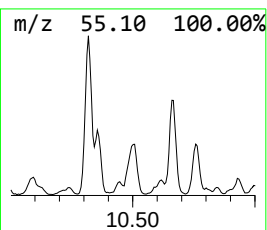
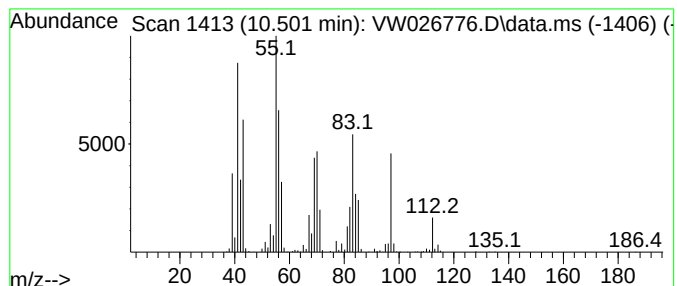
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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Cyclic10.502 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.502	9.54 ug/L	544465	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	64
2			Cyclooctane	112	C8H16	000292-64-8	58
3			Cycloheptane, methyl-	112	C8H16	004126-78-7	52
4			Cycloheptane, methyl-	112	C8H16	004126-78-7	46
5			4-Octene, (Z)-	112	C8H16	007642-15-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

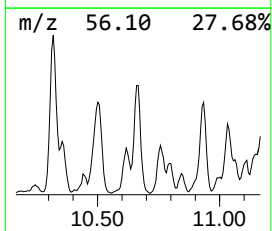
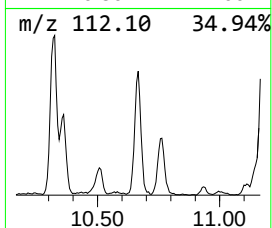
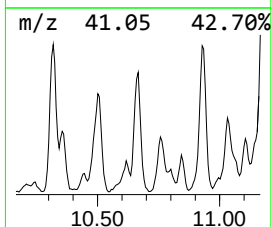
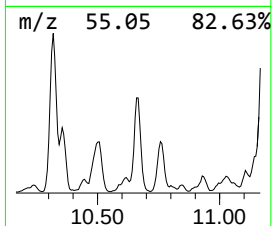
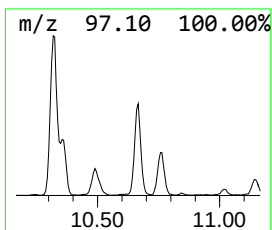
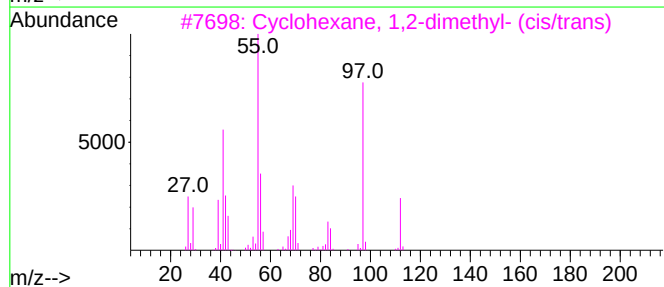
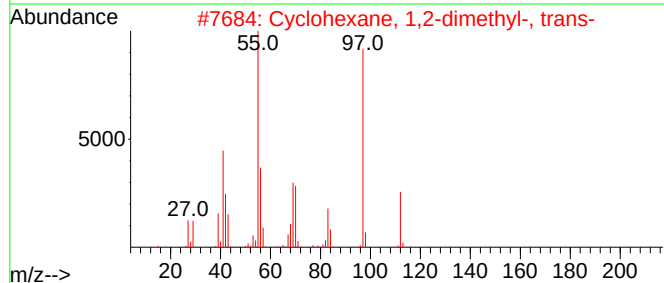
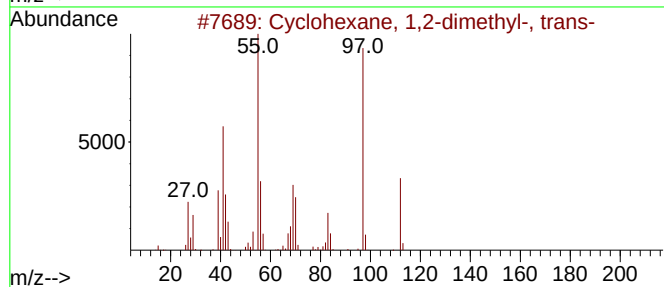
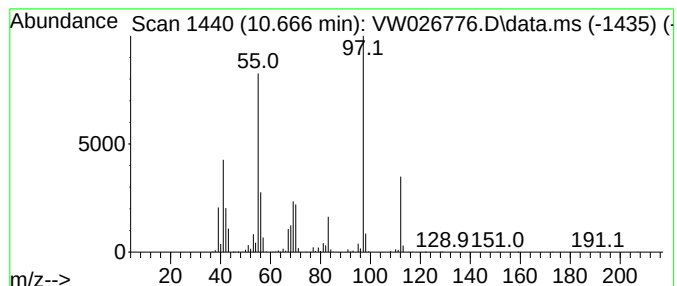
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Cyclic10.666 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.666	11.10 ug/L	633193	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
3			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
4			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90
5			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	89



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

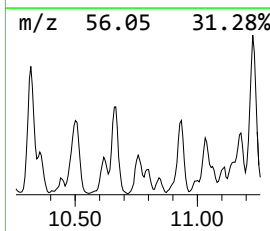
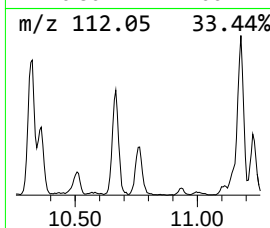
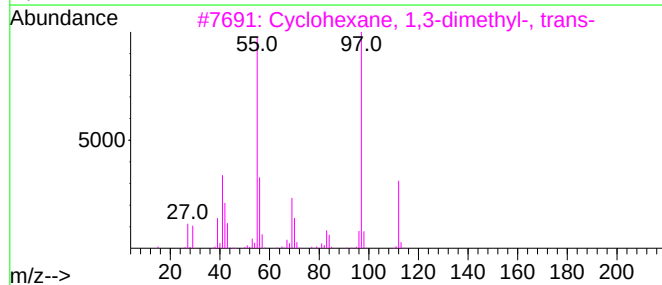
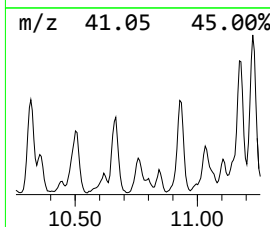
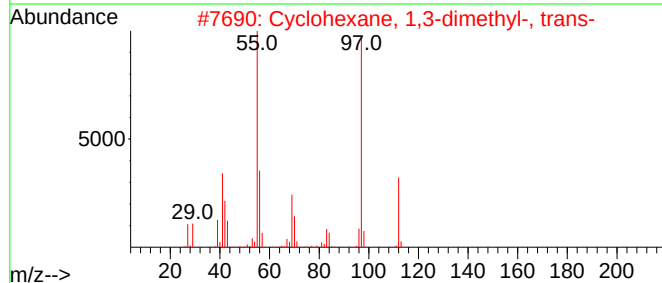
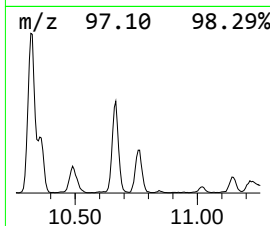
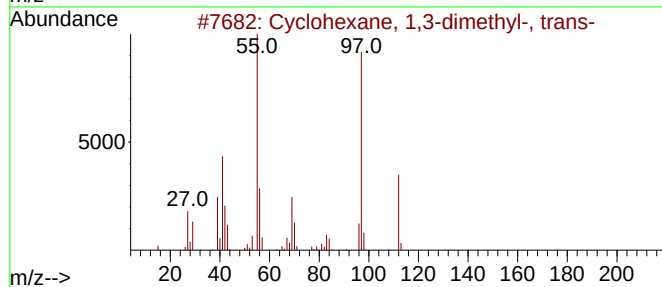
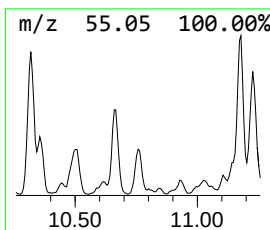
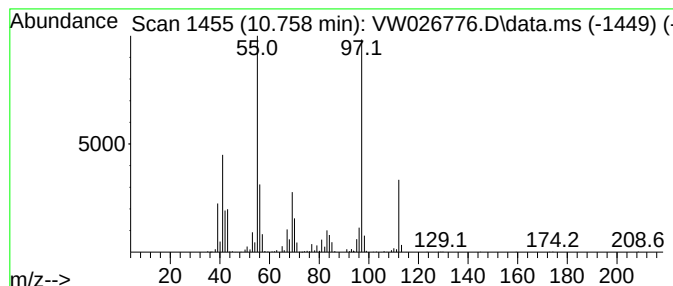
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Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Cyclic10.758 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.758	6.08 ug/L	347061	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	96
2		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
3		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
4		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
5		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

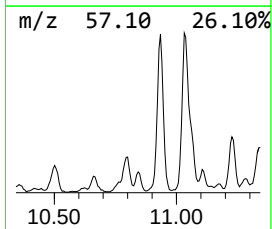
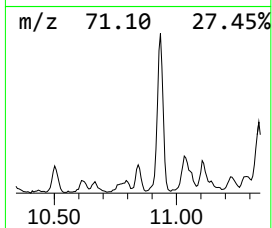
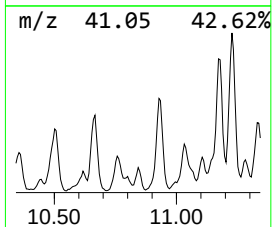
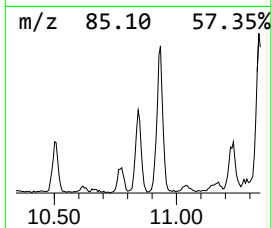
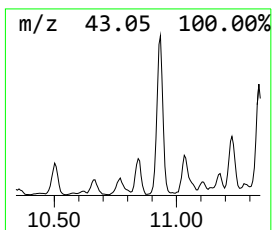
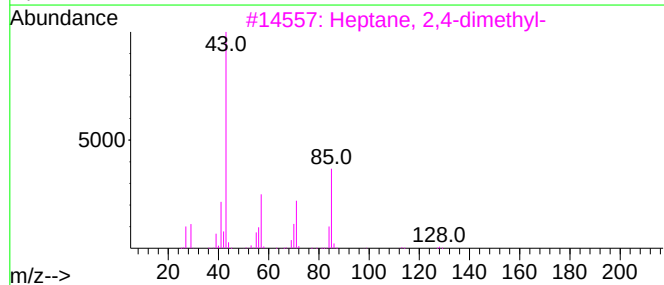
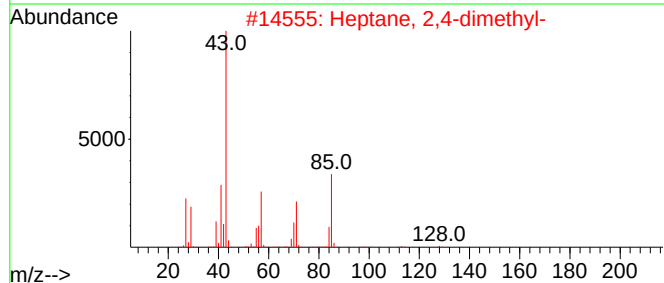
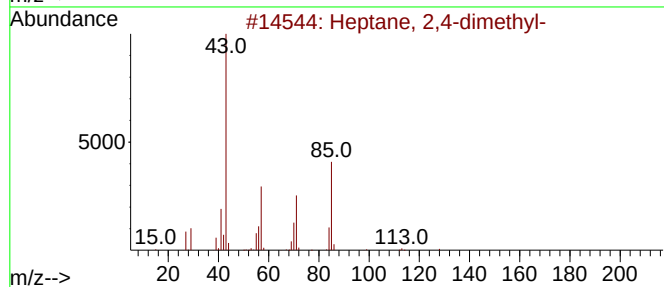
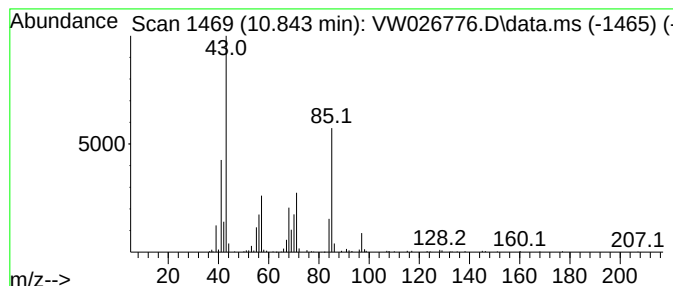
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.843	2.42 ug/L	138115	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	74
2			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	70
3			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
4			Sulfurous acid, hexyl pentadecyl...	376	C21H44O3S	1000309-13-7	59
5			Undecane, 4,4-dimethyl-	184	C13H28	017312-68-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

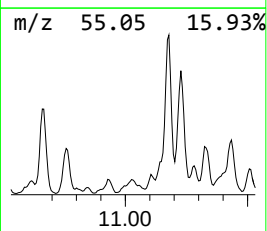
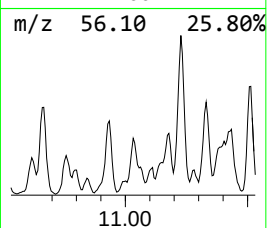
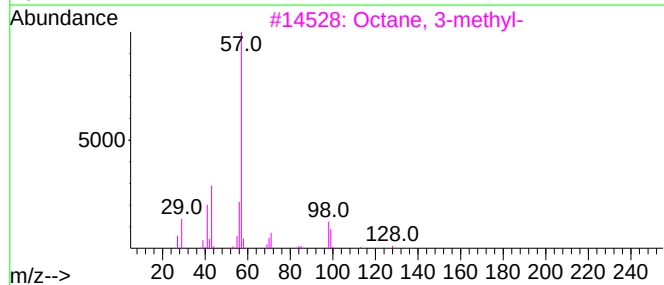
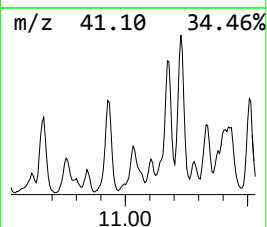
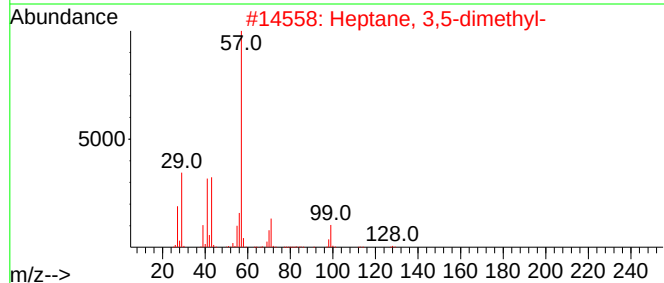
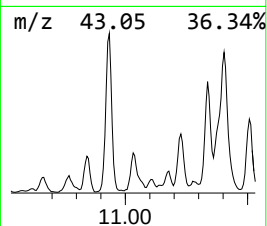
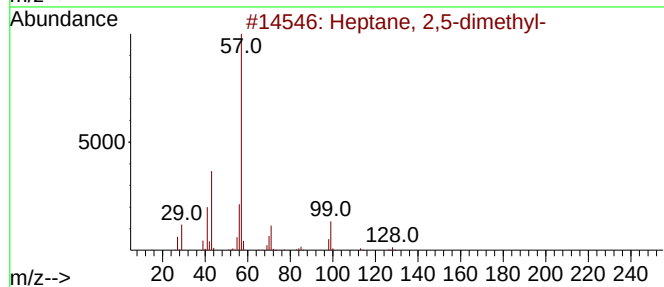
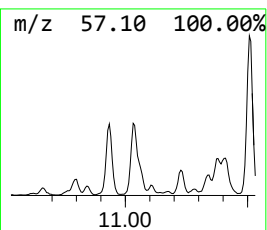
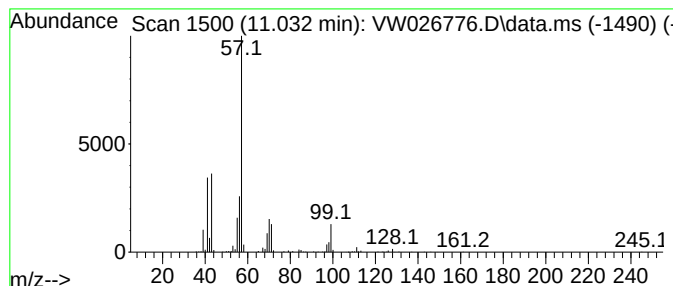
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Quant Title : SFAM01.0

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.
11.032	7.04 ug/L	401839	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
2		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	59
3		Octane, 3-methyl-	128	C9H20	002216-33-3	59
4		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	58
5		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

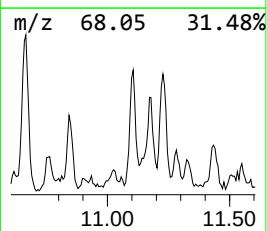
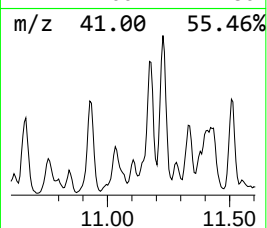
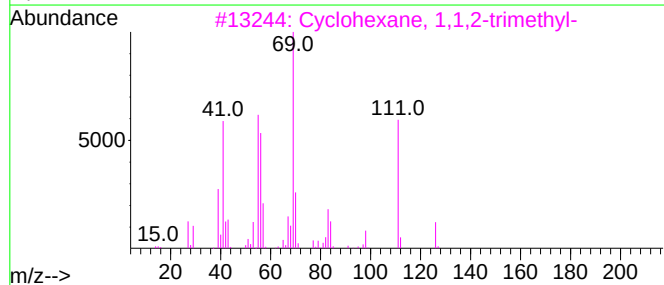
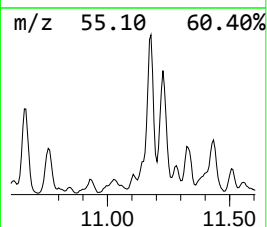
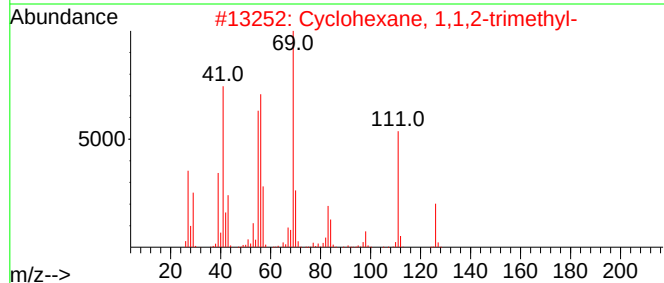
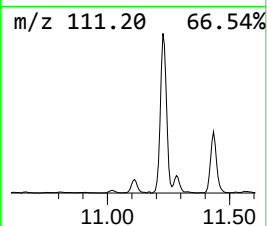
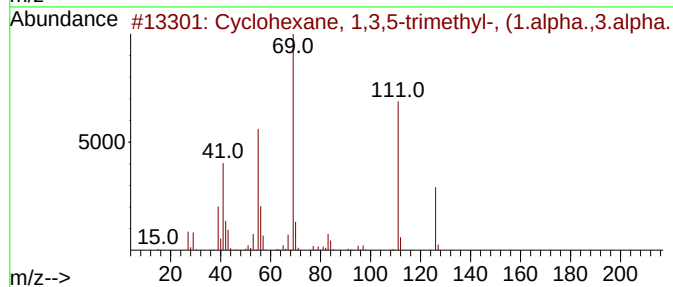
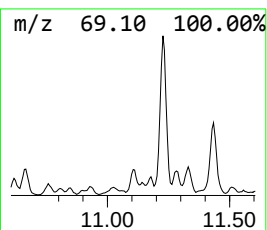
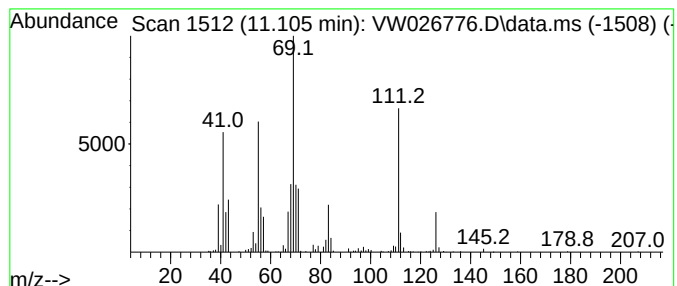
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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Cyclic11.105 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.105	2.67 ug/L	152251	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	70
2			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	70
3			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	64
4			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	62
5			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

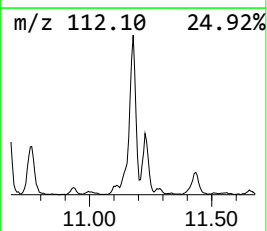
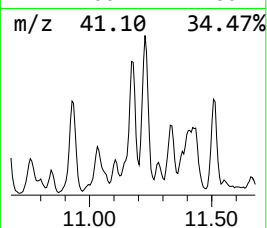
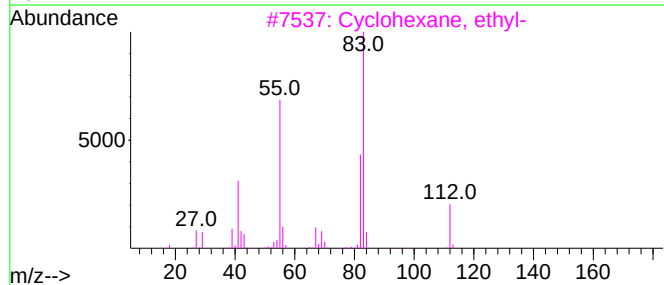
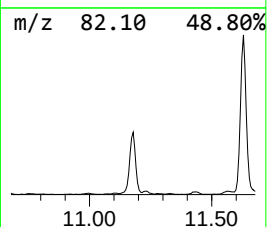
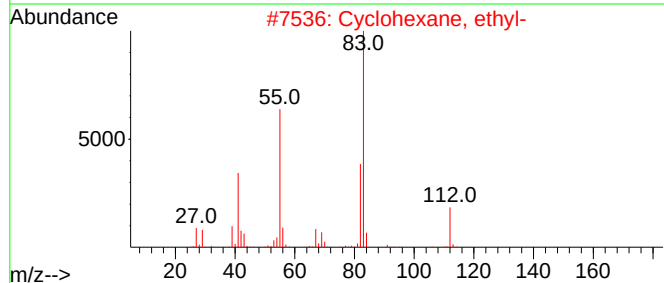
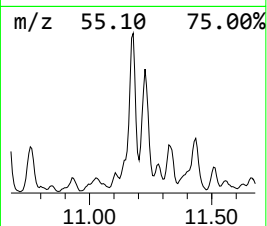
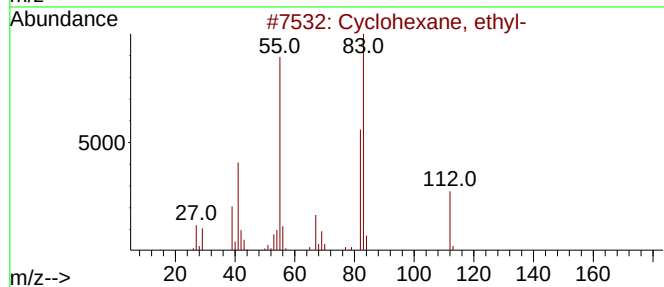
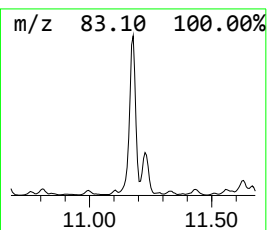
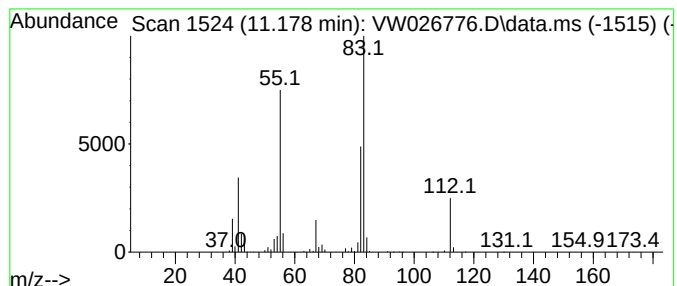
Instrument :
MSVOA_W
ClientSampleId :
EZYH3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Cyclic11.178 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.178	15.15 ug/L	864411	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-		112	C8H16	001678-91-7	94
2	Cyclohexane, ethyl-		112	C8H16	001678-91-7	91
3	Cyclohexane, ethyl-		112	C8H16	001678-91-7	91
4	Cyclohexane, ethyl-		112	C8H16	001678-91-7	91
5	3,4-Dimethyl-2-hexene		112	C8H16	002213-37-8	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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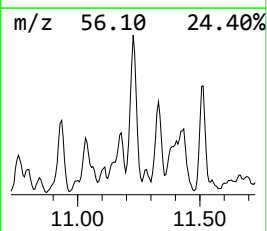
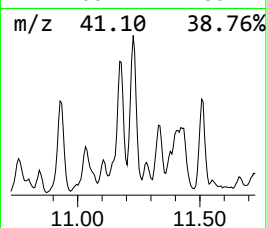
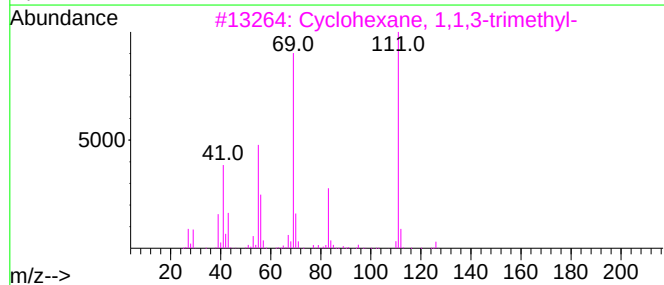
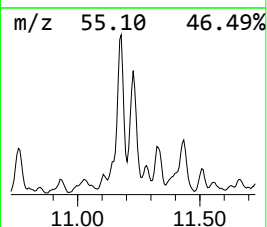
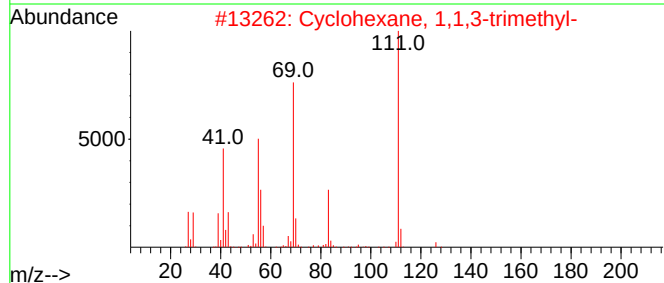
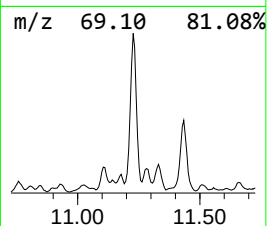
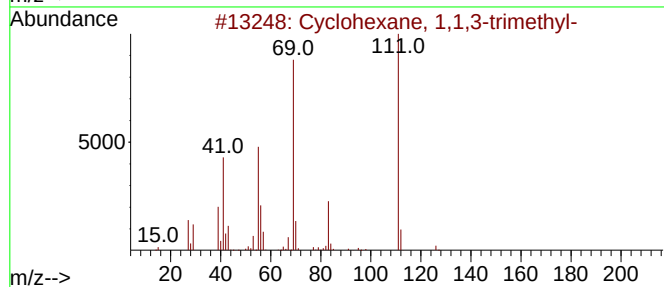
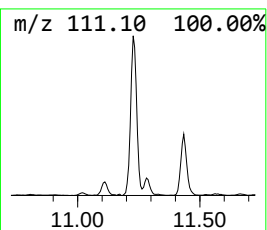
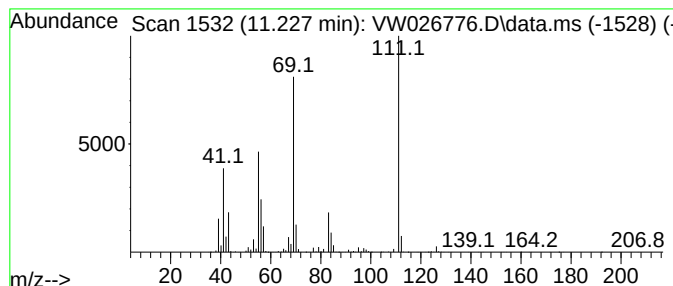
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Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Cyclic11.227 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.227	19.19 ug/L	1094740	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
4			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	81
5			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

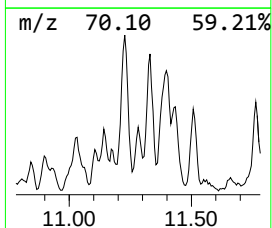
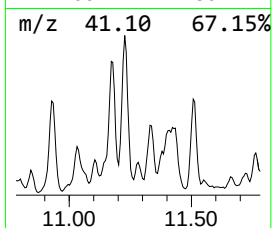
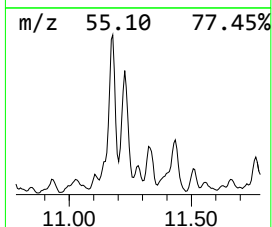
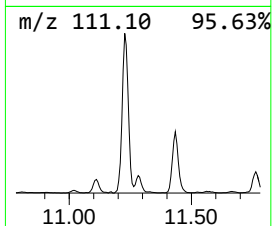
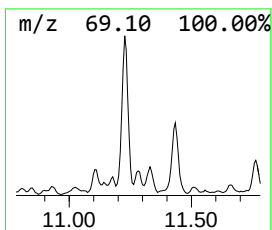
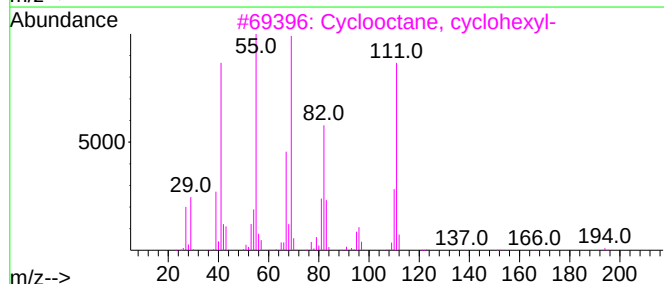
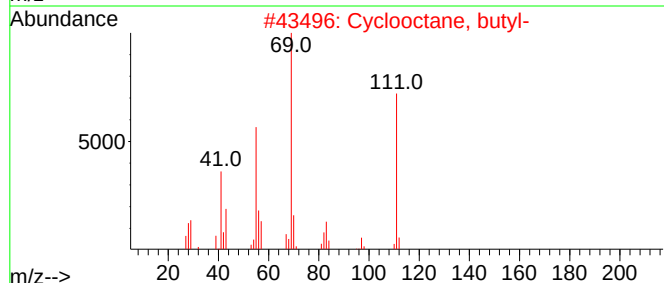
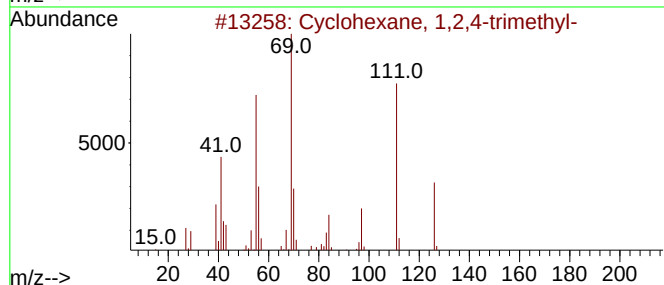
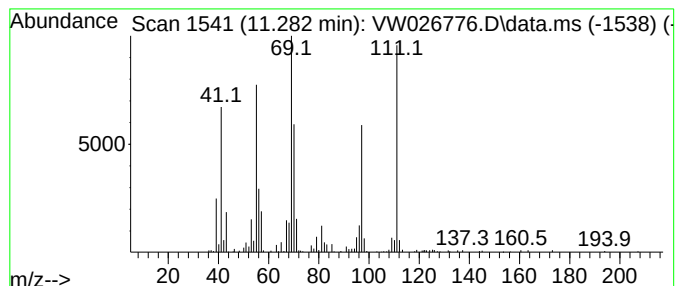
Instrument :
MSVOA_W
ClientSampleId :
EZYH3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 23 (DEL) Alkane: Cyclic11.282 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.282	1.61 ug/L	91816	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-		126	C9H18	002234-75-5	64
2	Cyclooctane, butyl-		168	C12H24	016538-93-5	53
3	Cyclooctane, cyclohexyl-		194	C14H26	092369-78-3	52
4	4-Nonene, 3-methyl-, (Z)-		140	C10H20	063830-69-3	47
5	1-Hexene, 3,3-dimethyl-		112	C8H16	003404-77-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

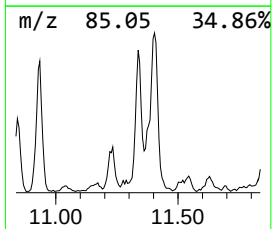
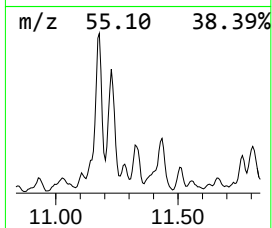
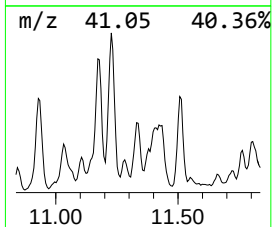
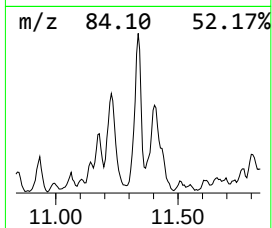
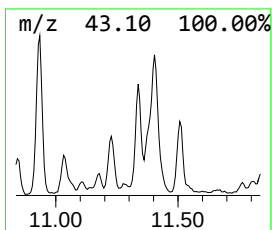
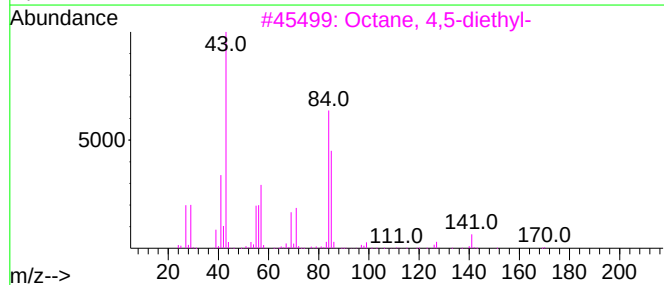
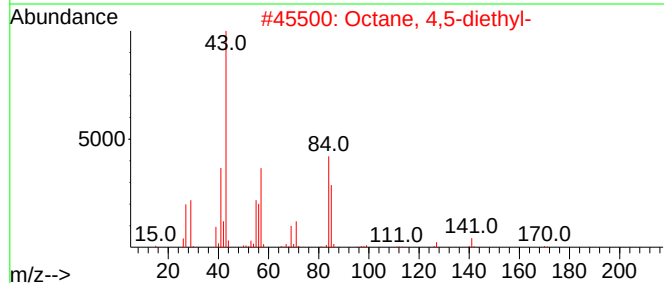
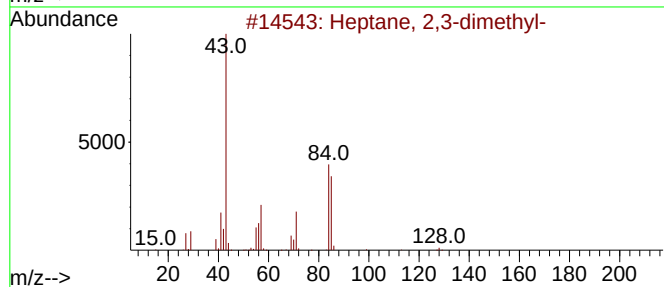
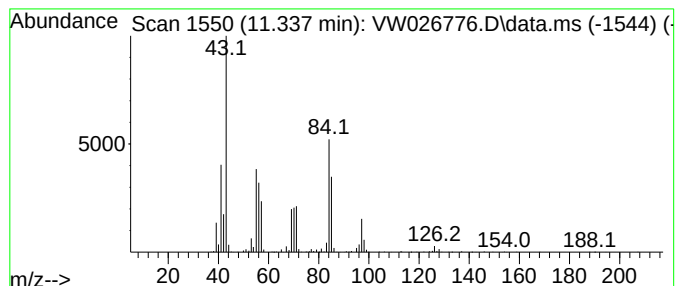
Instrument :
MSVOA_W
ClientSampleId :
EZYH3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.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 26

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.337	7.25 ug/L	413667	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-		128	C9H20	003074-71-3	58
2	Octane, 4,5-diethyl-		170	C12H26	001636-41-5	53
3	Octane, 4,5-diethyl-		170	C12H26	001636-41-5	53
4	Hexane, 3-ethyl-		114	C8H18	000619-99-8	50
5	1-Nonene		126	C9H18	000124-11-8	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

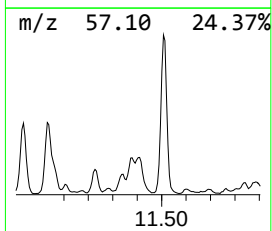
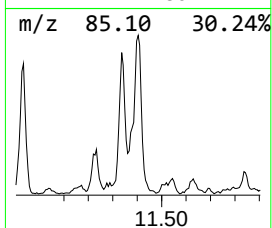
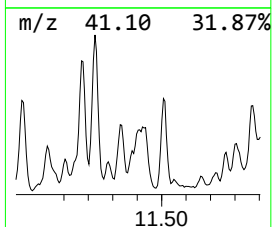
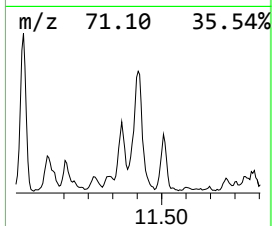
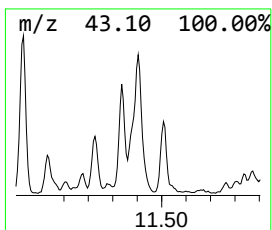
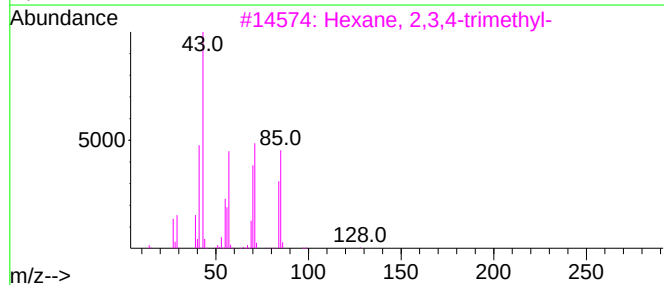
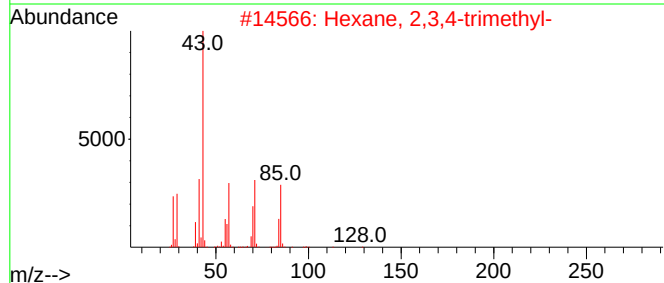
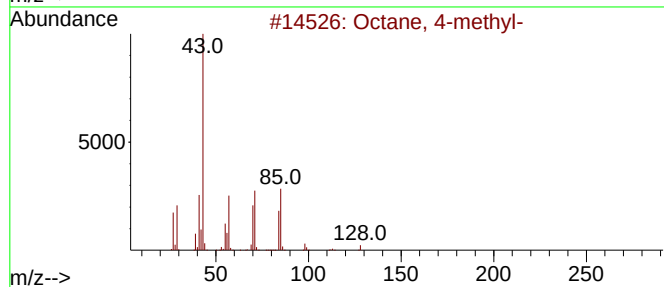
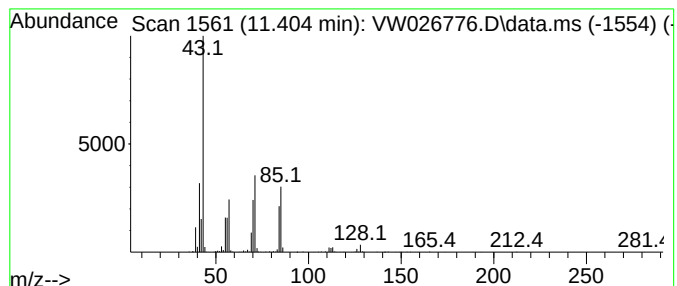
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MSVOA_W
ClientSampleId :
EZYH3

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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 27

R.T.	EstConc	Area	Relative to ISTD			R.T.
11.404	7.18 ug/L	409668	Chlorobenzene-d5			11.629
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 4-methyl-	128	C9H20	002216-34-4	90
2		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	72
3		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	72
4		Octane, 4-methyl-	128	C9H20	002216-34-4	72
5		Octane, 4-methyl-	128	C9H20	002216-34-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

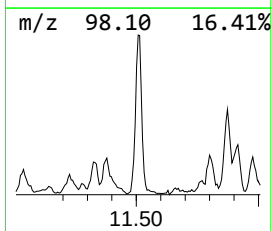
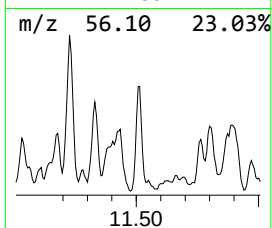
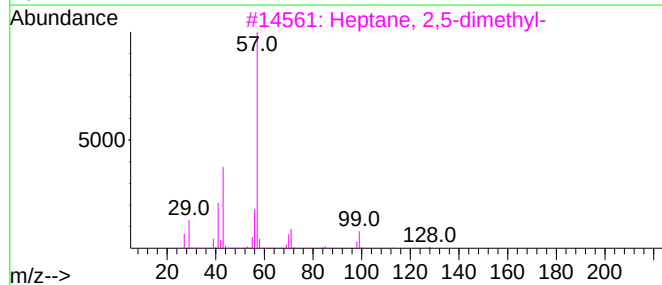
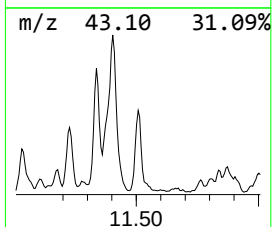
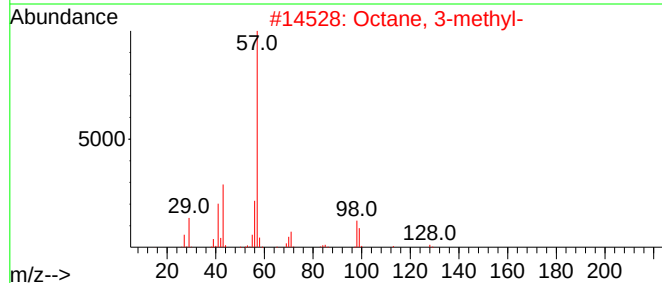
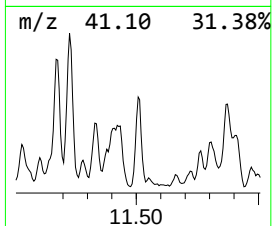
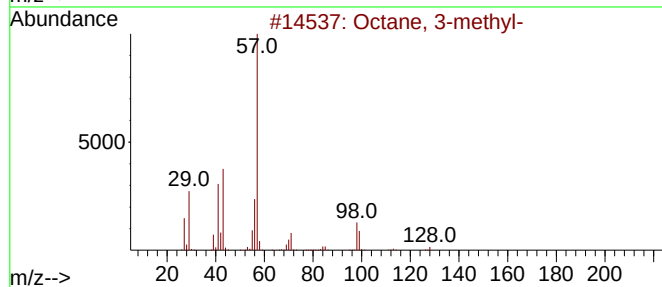
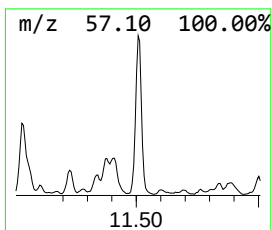
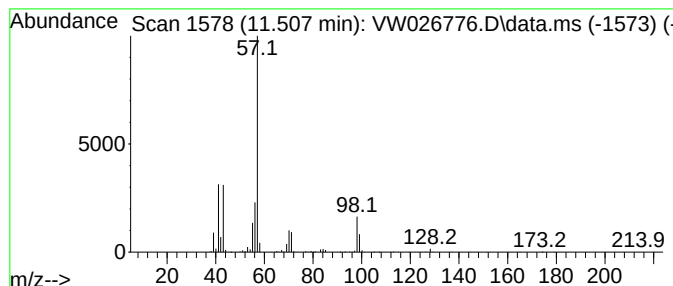
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Quant Title : SFAM01.0

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.507	9.24 ug/L	526961	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3-methyl-	128	C9H20	002216-33-3	86
2		Octane, 3-methyl-	128	C9H20	002216-33-3	80
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	80
4		Octane, 3-methyl-	128	C9H20	002216-33-3	64
5		Undecane, 6-methyl-	170	C12H26	017302-33-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

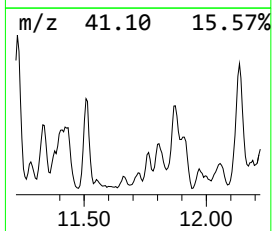
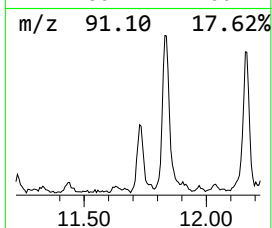
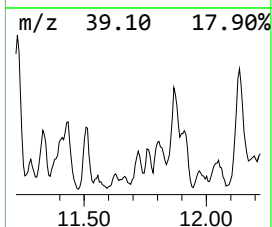
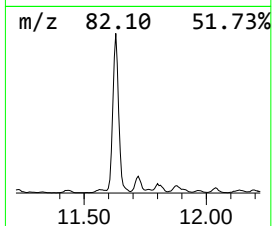
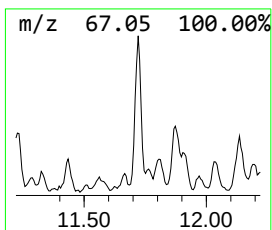
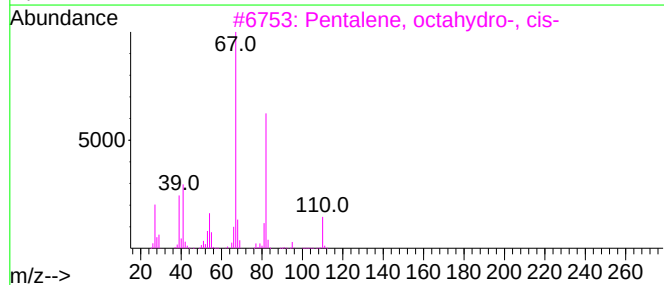
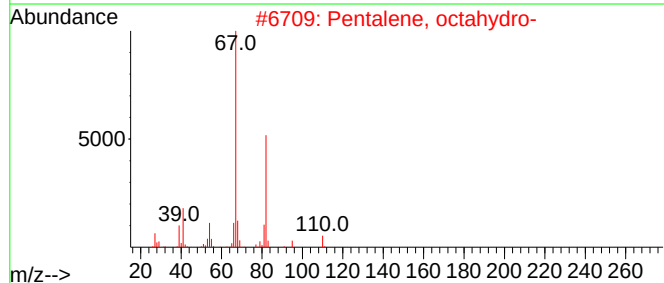
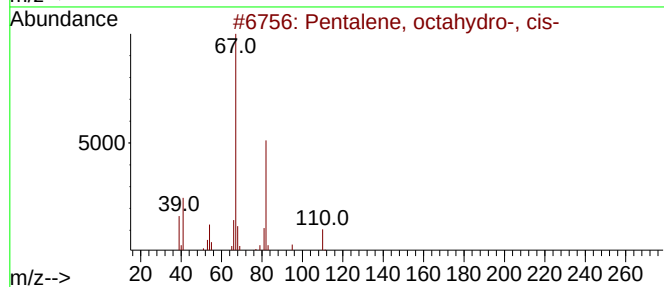
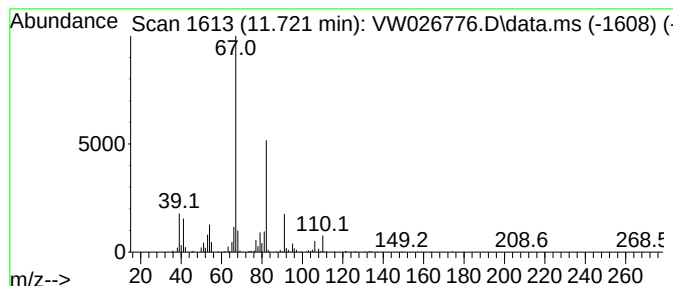
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Quant Title : SFAM01.0

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

Peak Number 27 Pentalene, octahydro-, cis- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.721	2.63 ug/L	150312	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	87
2			Pentalene, octahydro-	110	C8H14	000694-72-4	83
3			Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	72
4			trans-3-Hexen-1-ol, pentafluorop...	246	C9H11F5O2	1000352-30-9	59
5			Butanoic acid, 4-hexenyl ester, ...	170	C10H18O2	069727-41-9	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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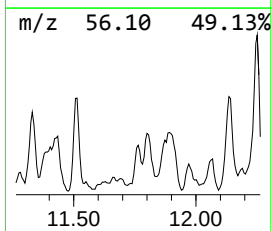
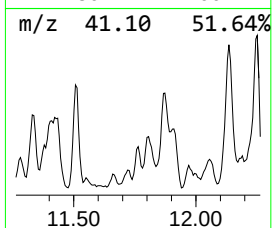
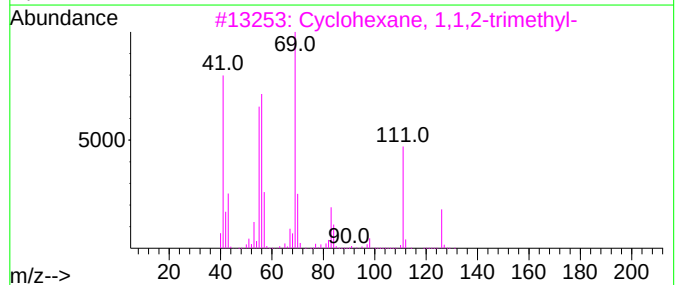
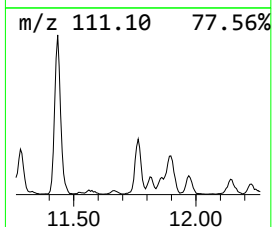
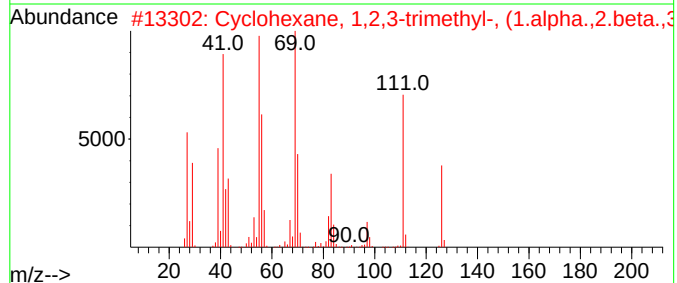
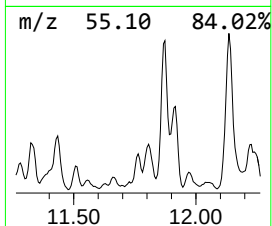
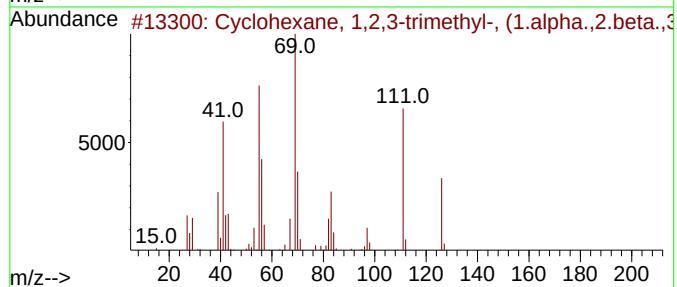
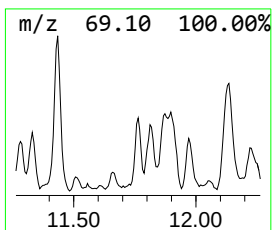
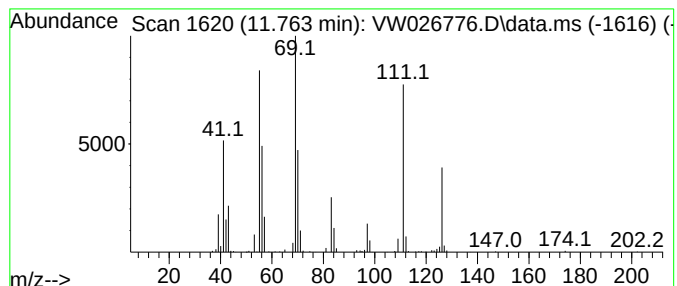
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Quant Title : SFAM01.0

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

Peak Number 28 (DEL) Alkane: Cyclic11.764 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.764	2.86 ug/L	163019	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	97
2			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	94
3			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	87
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	80
5			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

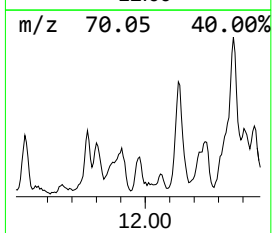
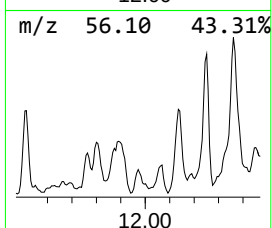
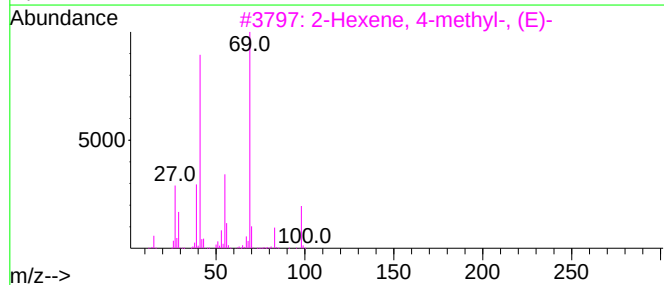
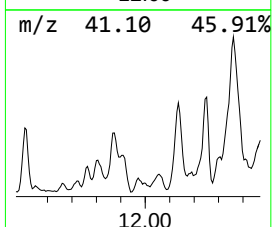
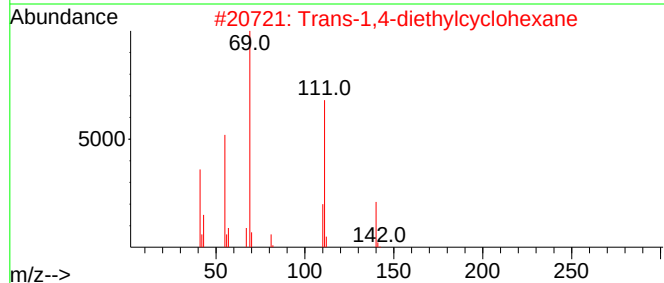
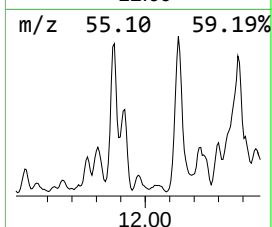
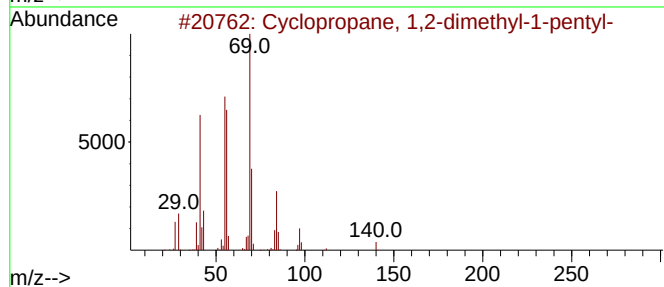
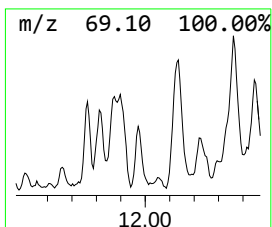
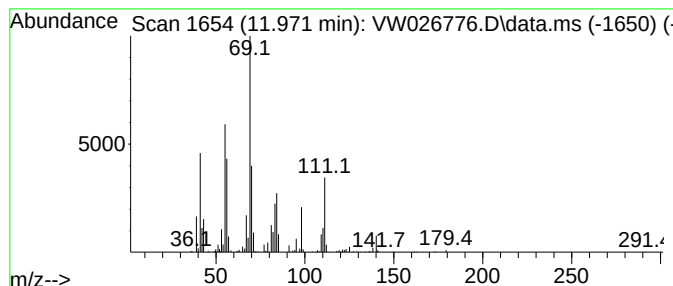
Instrument :
MSVOA_W
ClientSampleId :
EZYH3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 29 (DEL) Alkane: Cyclic11.971 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.971	4.13 ug/L	235793	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	49
2	Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	45
3	2-Hexene, 4-methyl-, (E)-	98	C7H14	003683-22-5	43
4	3-Octene, 2,6-dimethyl-	140	C10H20	006874-28-8	41
5	2-Decene, (Z)-	140	C10H20	020348-51-0	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

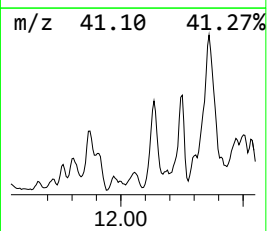
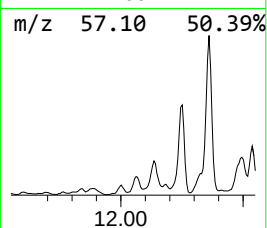
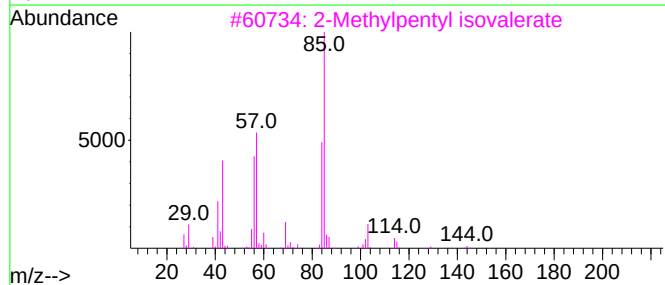
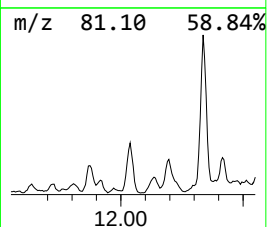
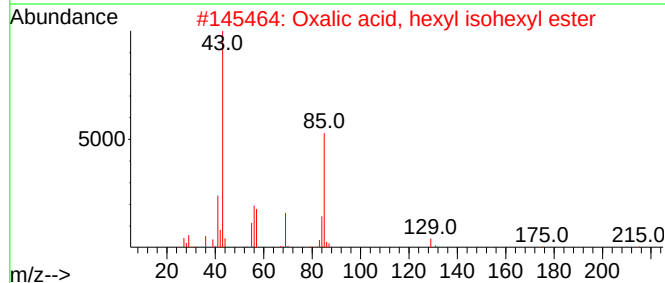
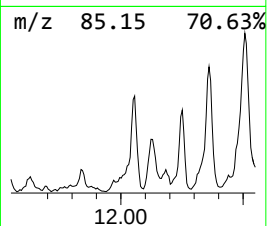
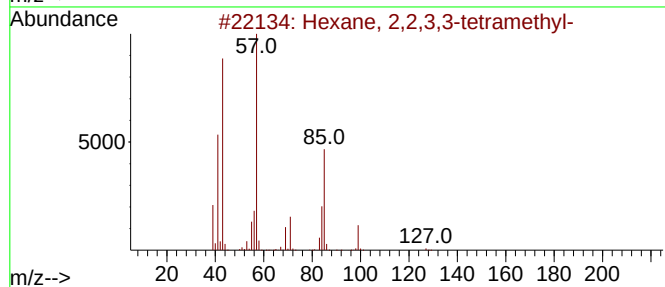
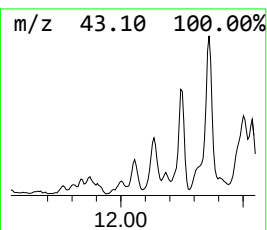
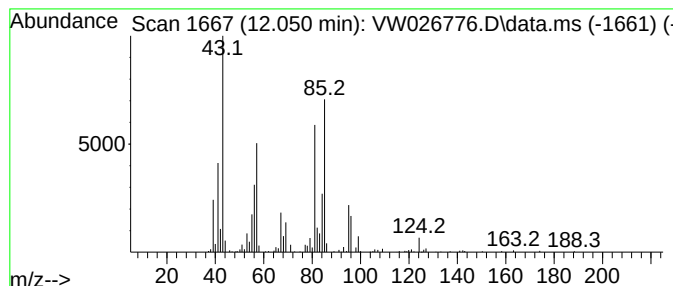
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.050	5.17 ug/L	294820	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Hexane, 2,2,3,3-tetramethyl-		142	C10H22	013475-81-5	43
2	Oxalic acid, hexyl isohexyl ester		258	C14H26O4	1010309-33-0	43
3	2-Methylpentyl isovalerate		186	C11H22O2	1000236-38-7	43
4	Heptane, 3-methyl-		114	C8H18	000589-81-1	43
5	Hexane, 1,1'-oxybis-		186	C12H26O	000112-58-3	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

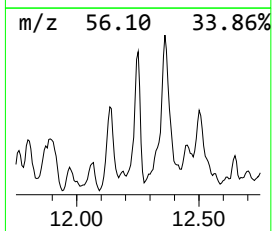
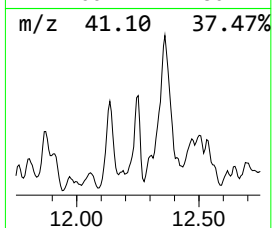
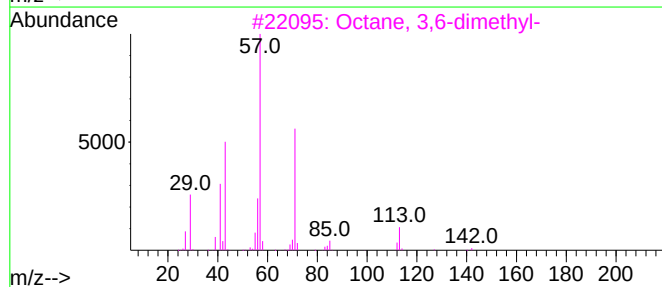
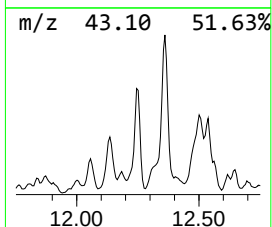
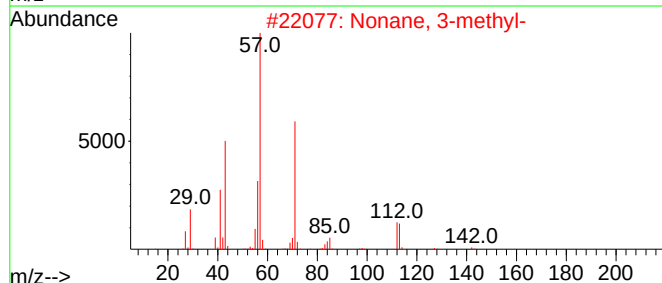
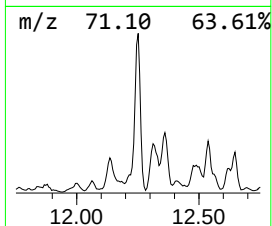
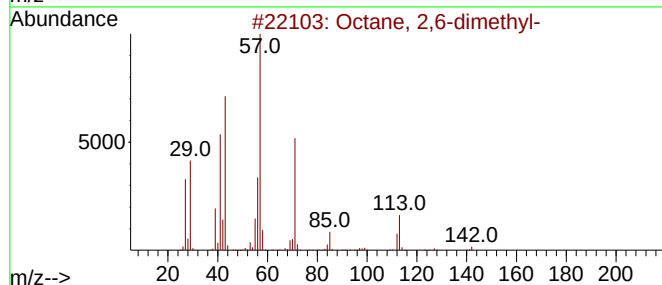
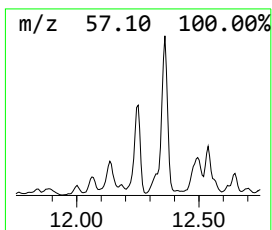
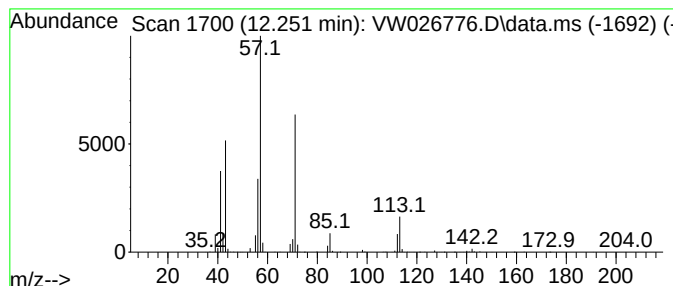
Instrument :
MSVOA_W
ClientSampleId :
EZYH3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.251	16.20 ug/L	924199	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	91
2	Nonane, 3-methyl-		142	C10H22	005911-04-6	90
3	Octane, 3,6-dimethyl-		142	C10H22	015869-94-0	90
4	Octane, 2,6-dimethyl-		142	C10H22	002051-30-1	90
5	Nonane, 3-methyl-		142	C10H22	005911-04-6	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

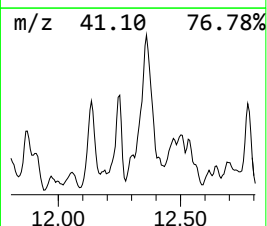
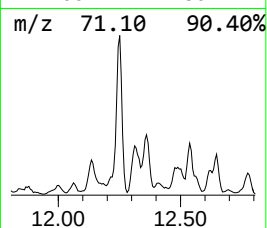
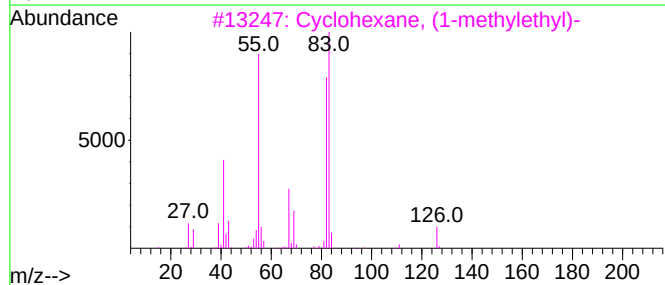
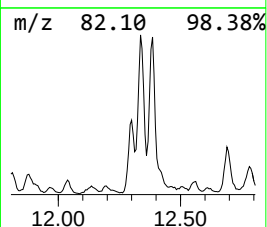
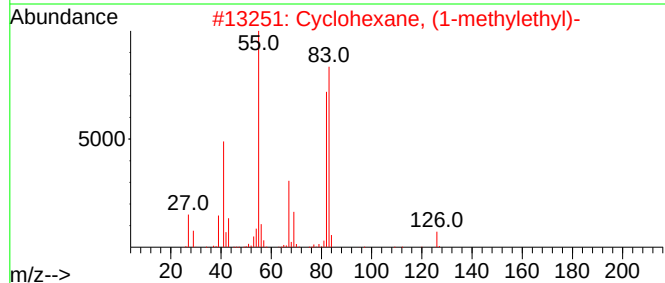
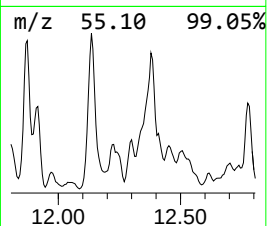
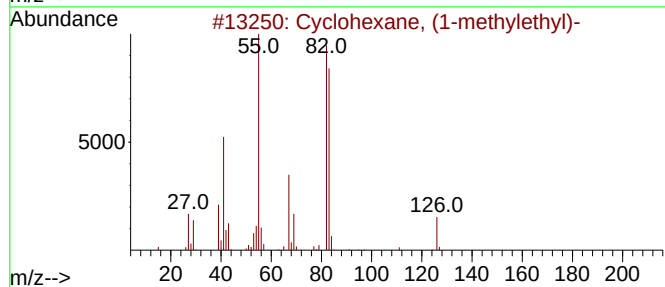
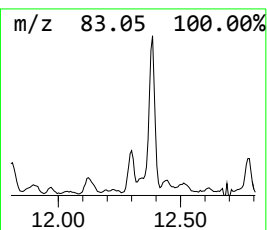
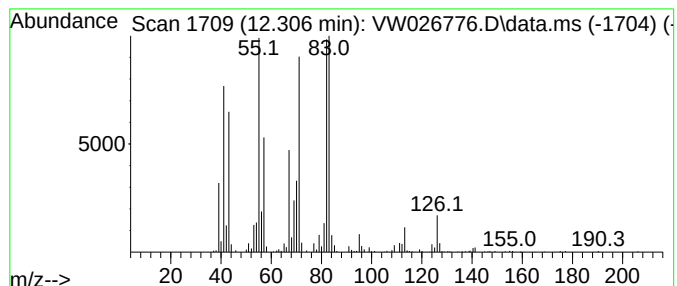
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Quant Title : SFAM01.0

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

Peak Number 32 (DEL) Alkane: Cyclic12.306 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.306	5.00 ug/L	285527	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	91
2			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	60
3			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	53
4			Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	52
5			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

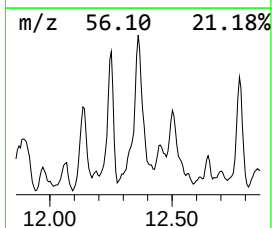
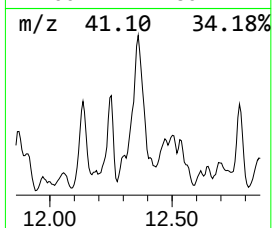
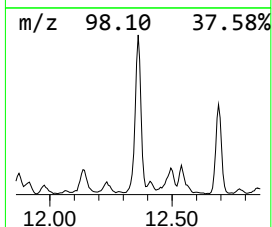
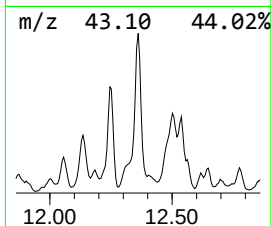
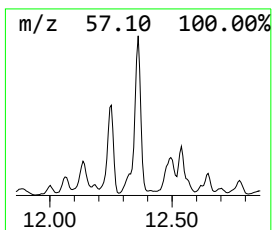
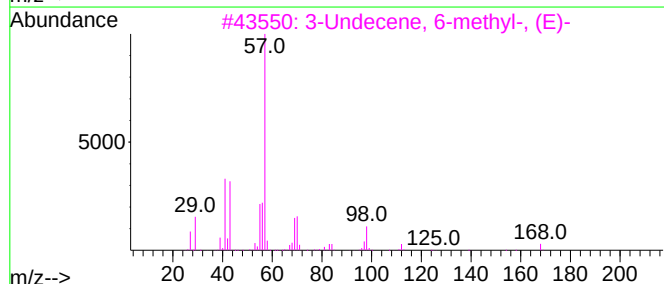
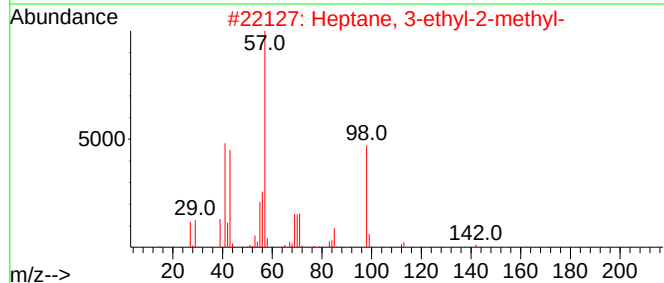
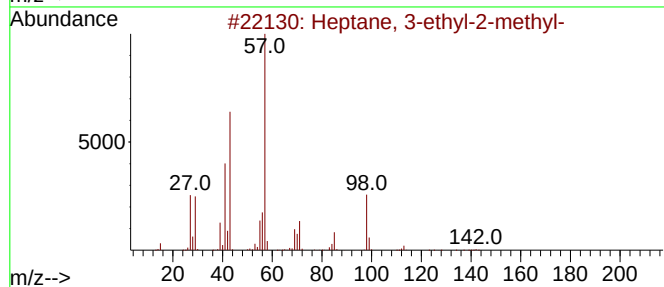
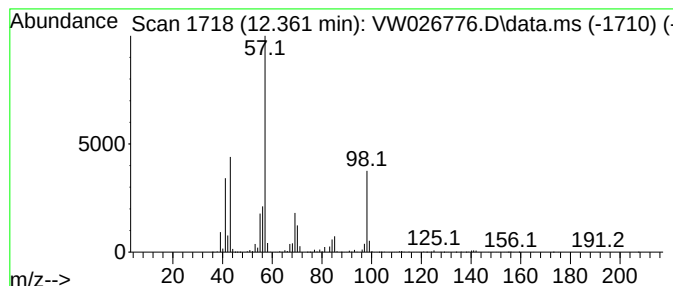
Instrument :
MSVOA_W
ClientSampleId :
EZYH3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.361	37.32 ug/L	2129270	Chlorobenzene-d5			11.629
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	86
2	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	78
3	3-Undecene, 6-methyl-, (E)-		168	C12H24	074630-52-7	53
4	Octane, 2,5,6-trimethyl-		156	C11H24	062016-14-2	52
5	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

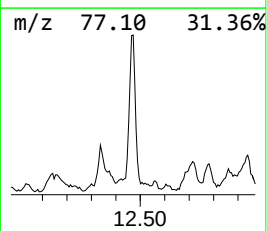
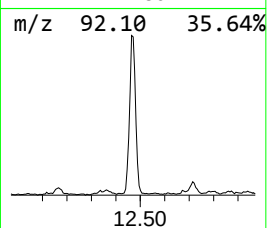
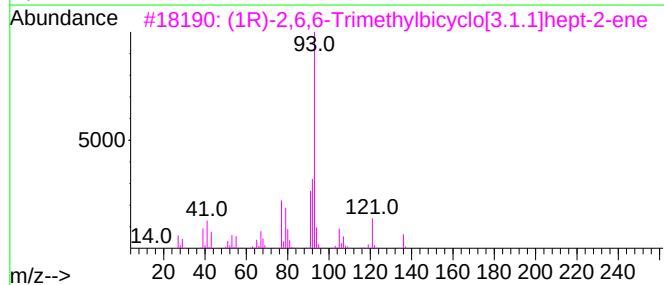
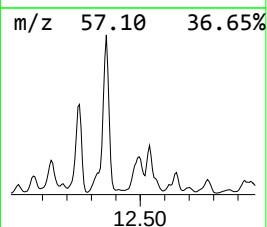
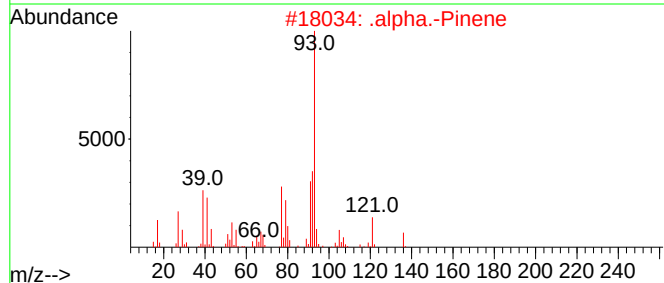
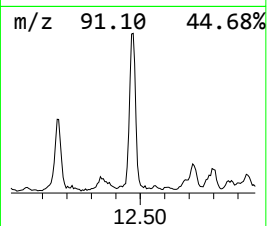
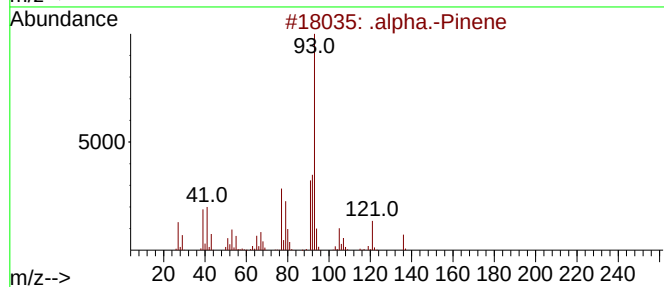
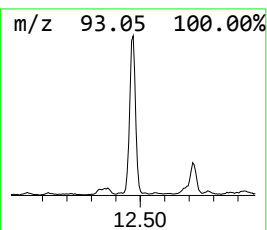
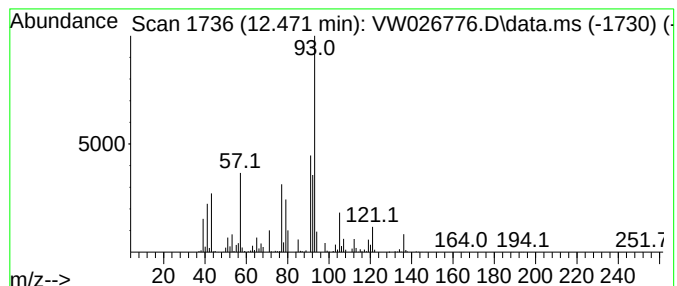
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Quant Title : SFAM01.0

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

Peak Number 34 .alpha.-Pinene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.471	10.97 ug/L	625735	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	.		.alpha.-Pinene	136	C10H16	000080-56-8	94
2	.		.alpha.-Pinene	136	C10H16	000080-56-8	91
3	(1R)-2,6,6-Trimethylbicyclo[3.1...			136	C10H16	007785-70-8	91
4	.		.alpha.-Pinene	136	C10H16	000080-56-8	91
5	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...			136	C10H16	004889-83-2	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

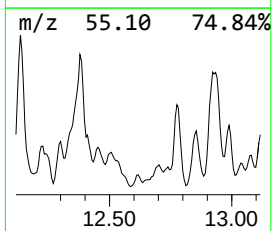
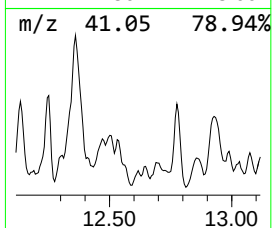
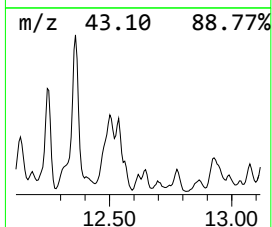
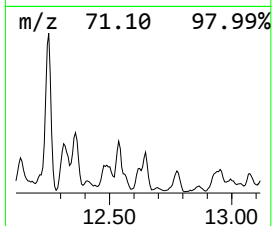
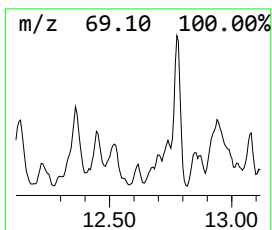
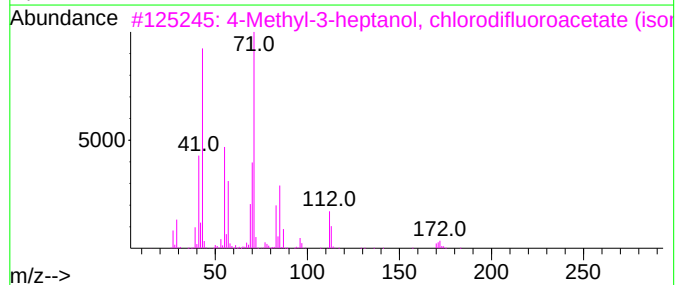
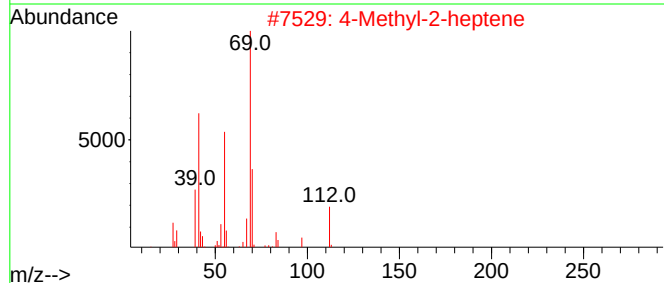
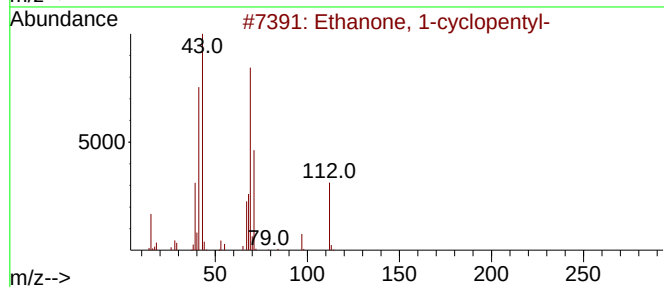
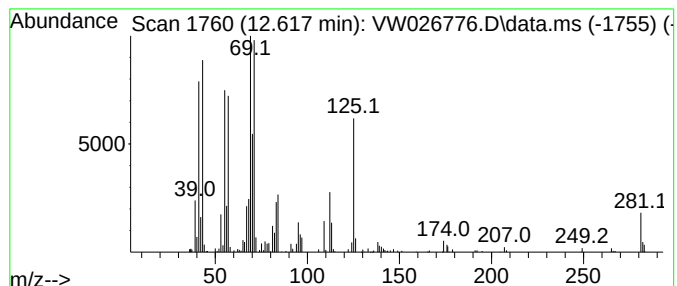
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Quant Title : SFAM01.0

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

Peak Number 35 unknown-01 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.617	4.23 ug/L	159287	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanone, 1-cyclopentyl-	112	C7H12O	006004-60-0	38
2			4-Methyl-2-heptene	112	C8H16	003404-56-6	38
3			4-Methyl-3-heptanol, chlorodiflu...	242	C10H17ClF2O2	1000447-27-4	35
4			n-Butyric acid 2-ethylhexyl ester	200	C12H24O2	025415-84-3	35
5			3-Heptene, 4-methyl-	112	C8H16	004485-16-9	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

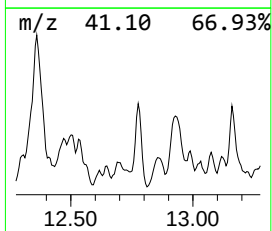
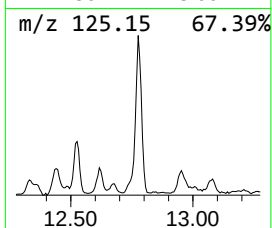
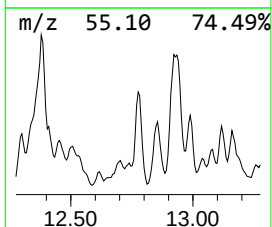
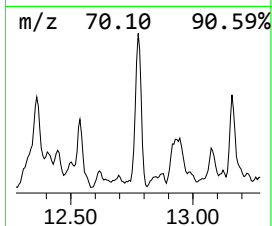
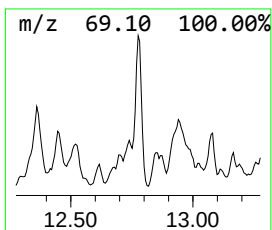
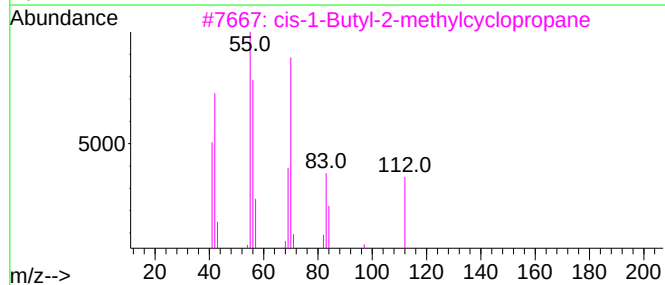
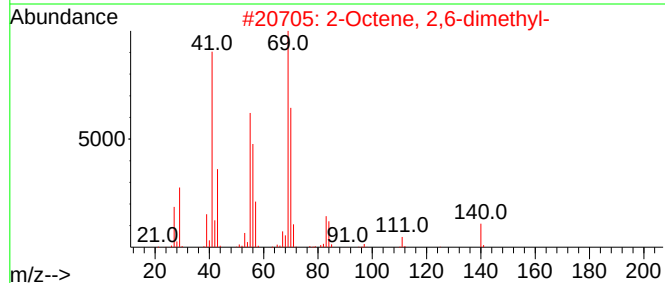
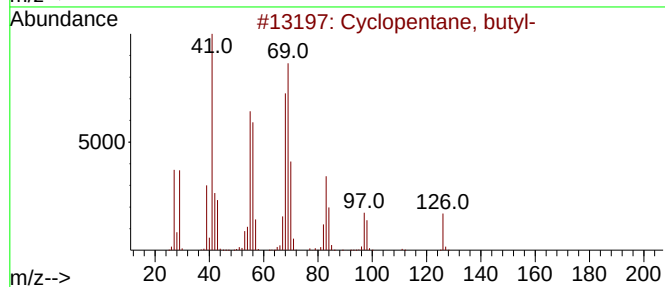
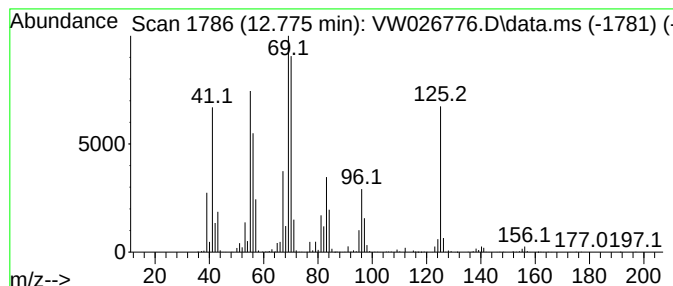
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Quant Title : SFAM01.0

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

Peak Number 36 (DEL) Alkane: Cyclic12.775 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.775	27.67 ug/L	1040790	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, butyl-	126	C9H18	002040-95-1	55
2			2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	52
3			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	50
4			trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	50
5			Cyclopentane, butyl-	126	C9H18	002040-95-1	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

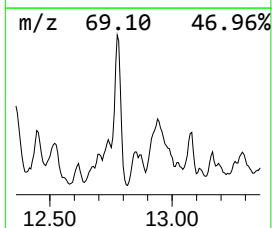
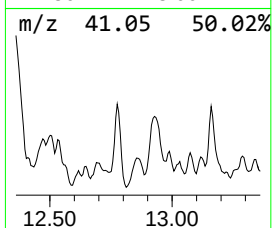
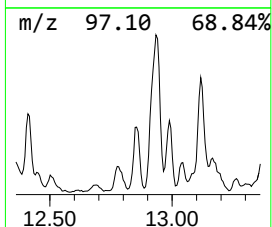
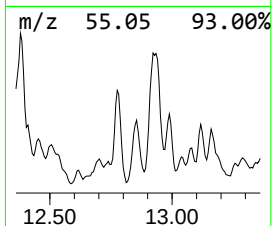
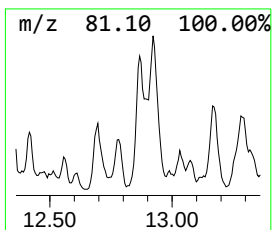
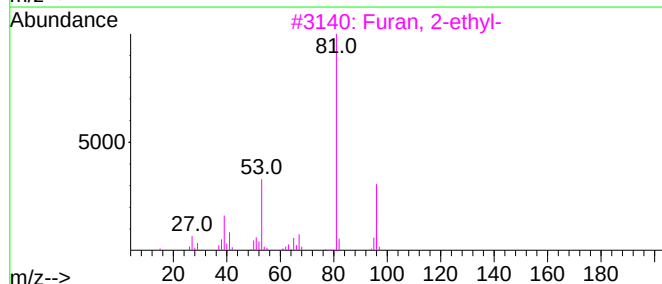
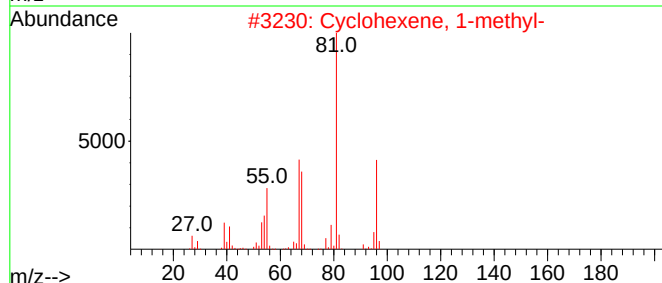
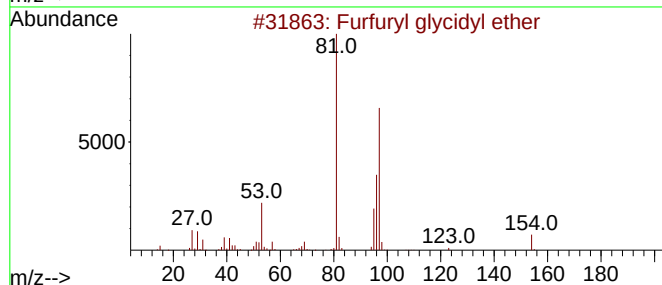
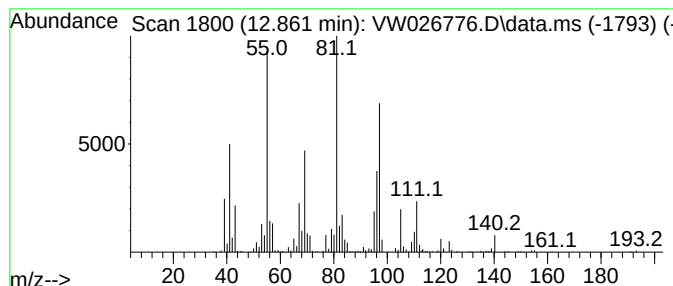
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Quant Title : SFAM01.0

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

Peak Number 37 unknown-02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.861	15.66 ug/L	589258	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Furfuryl glycidyl ether	154	C8H10O3	005380-87-0	49
2			Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	38
3			Furan, 2-ethyl-	96	C6H8O	003208-16-0	35
4			Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	35
5			Oxalic acid, di(cyclohexylmethyl...	282	C16H26O4	1000309-68-5	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

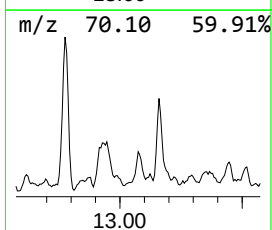
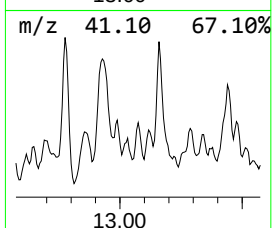
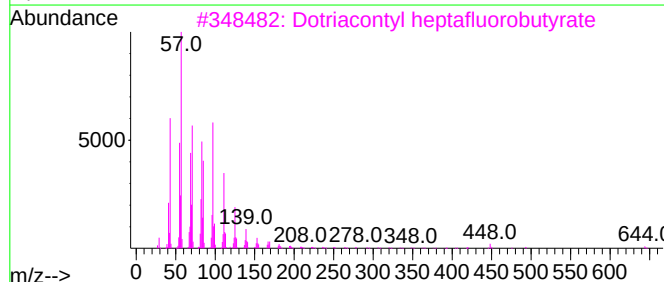
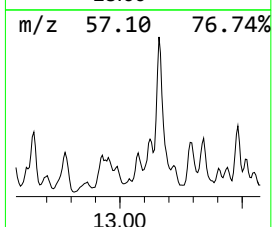
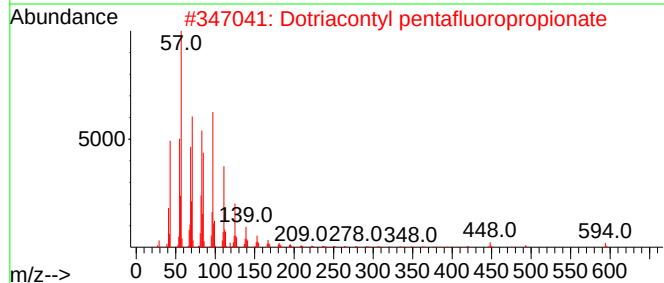
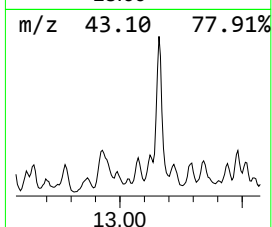
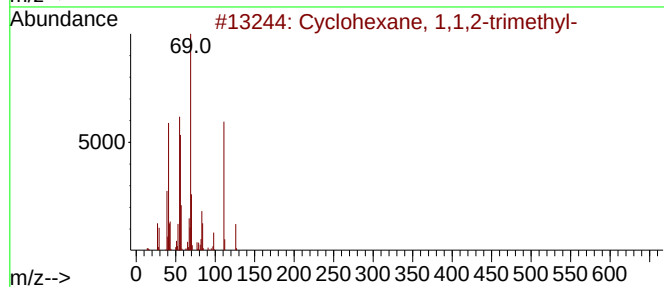
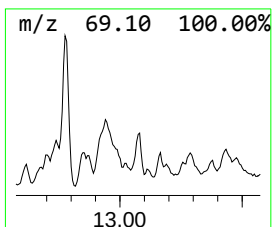
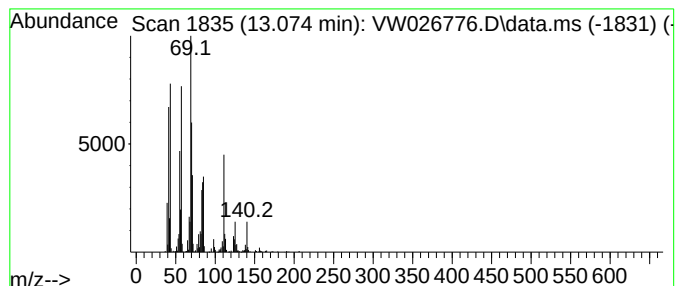
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Quant Title : SFAM01.0

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

Peak Number 38 (DEL) Alkane: Cyclic13.074 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.074	5.45 ug/L	205077	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	49
2			Dotriacontyl pentafluoropropionate	612	C35H65F5O2	1010351-81-4	38
3			Dotriacontyl heptafluorobutyrate	662	C36H65F7O2	1000351-84-2	38
4			4-(3-Methyl-2-butenoxy)-2-methyl...	172	C10H20O2	1000432-13-3	35
5			Tetratriacontyl trifluoroacetate	591	C36H69F3O2	1000351-75-3	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

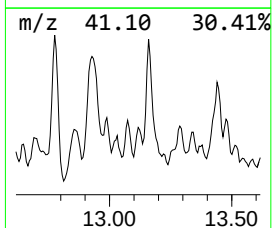
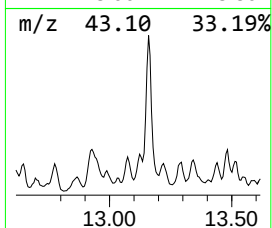
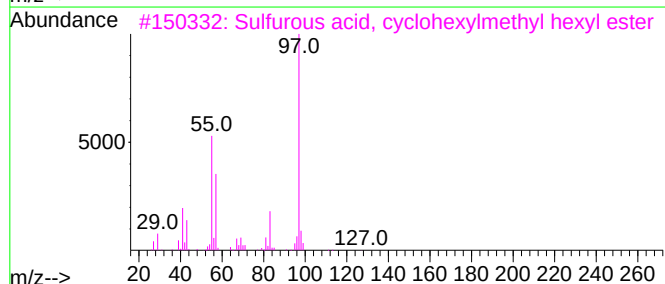
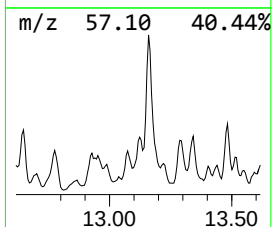
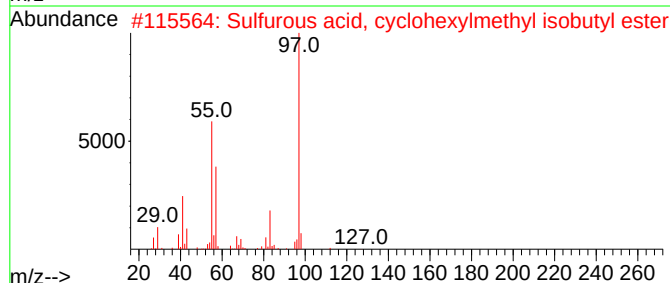
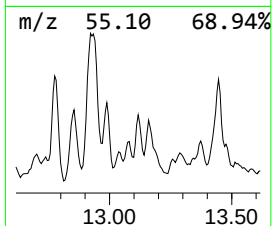
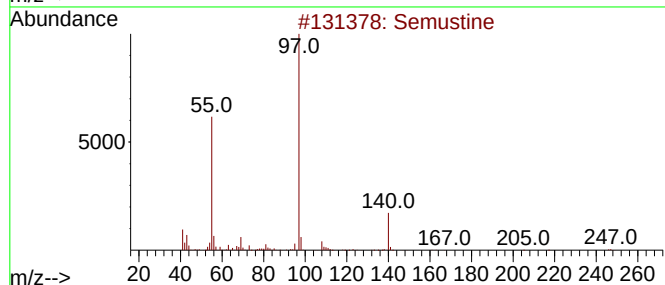
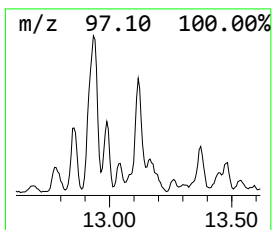
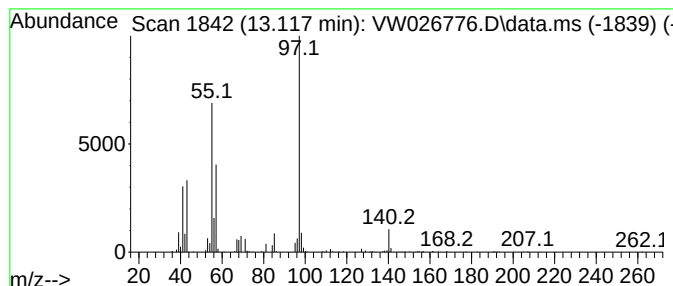
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Quant Title : SFAM01.0

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

Peak Number 39 Semustine Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.117	4.36 ug/L	163985	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Semustine	247	C10H18ClN3O2	013909-09-6	72
2			Sulfurous acid, cyclohexylmethyl...	234	C11H22O3S	1000309-21-3	72
3			Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1010309-21-6	72
4			Sulfurous acid, cyclohexylmethyl...	276	C14H28O3S	1000309-21-7	72
5			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

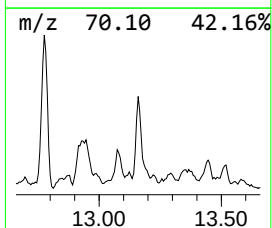
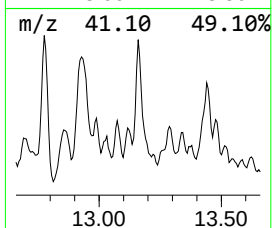
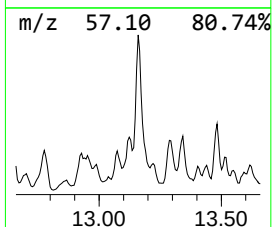
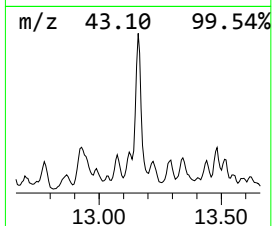
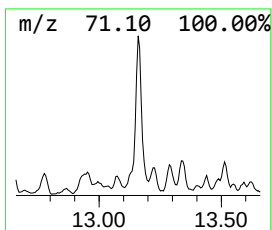
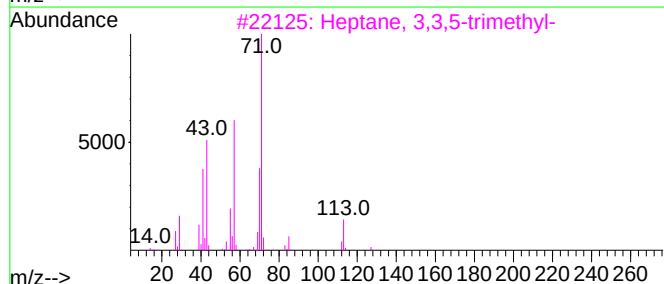
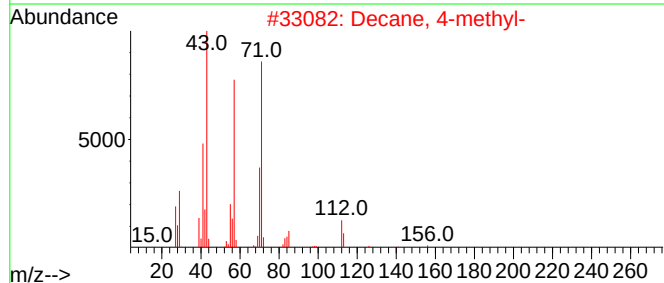
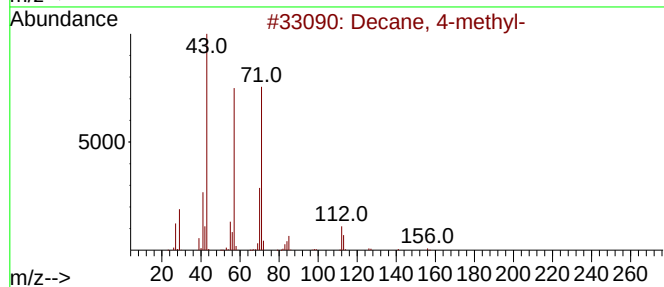
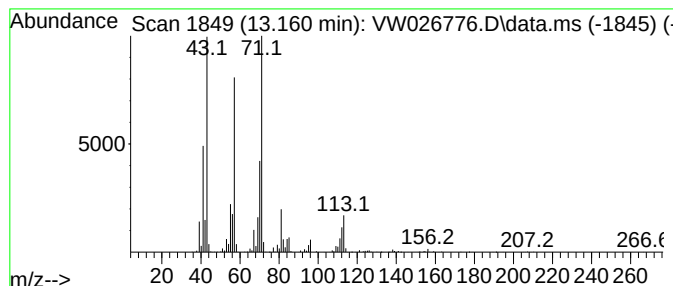
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Quant Title : SFAM01.0

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

Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.160	21.33 ug/L	802239	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decane, 4-methyl-	156	C11H24	002847-72-5	90
2		Decane, 4-methyl-	156	C11H24	002847-72-5	90
3		Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	78
4		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
5		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

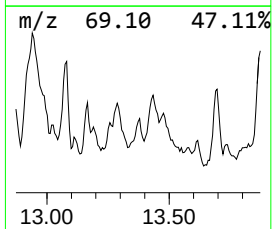
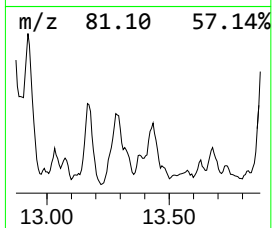
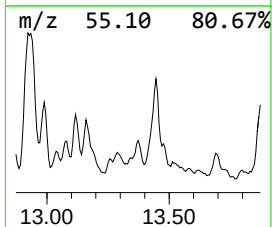
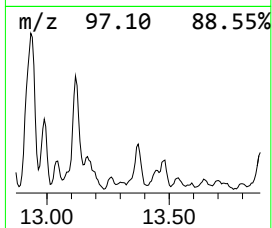
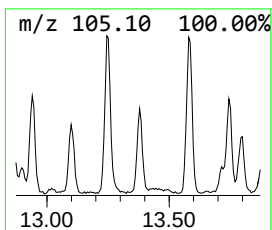
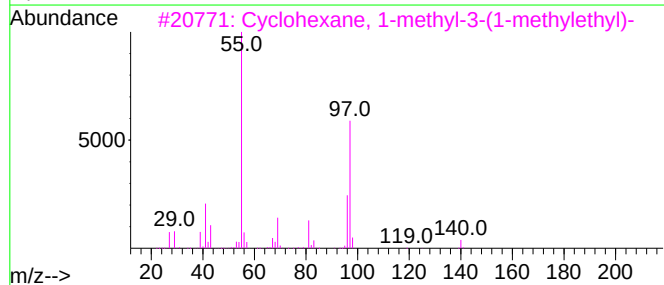
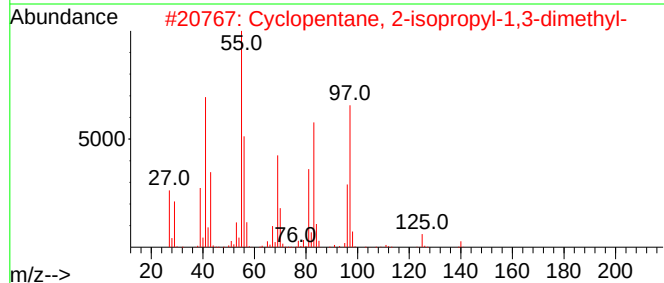
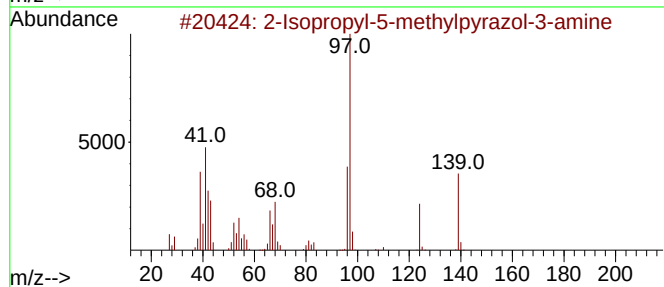
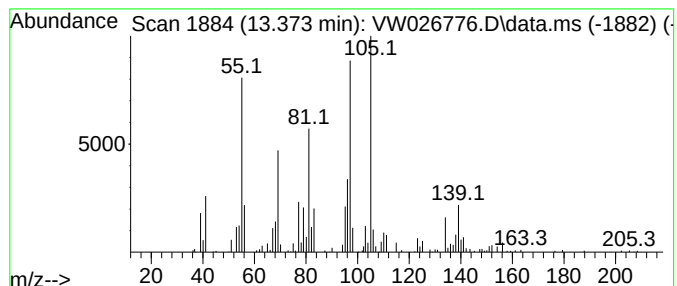
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Quant Title : SFAM01.0

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

Peak Number 41 unknown-03 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.373	1.80 ug/L	67812	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Isopropyl-5-methylpyrazol-3-amine	139	C7H13N3	001124-16-9	46		
2	Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	38		
3	Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	38		
4	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	38		
5	4,4-Dimethyl-oct-5-enal	154	C10H18O	1010143-73-6	38		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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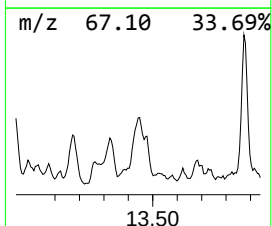
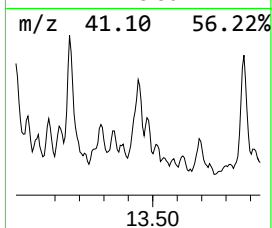
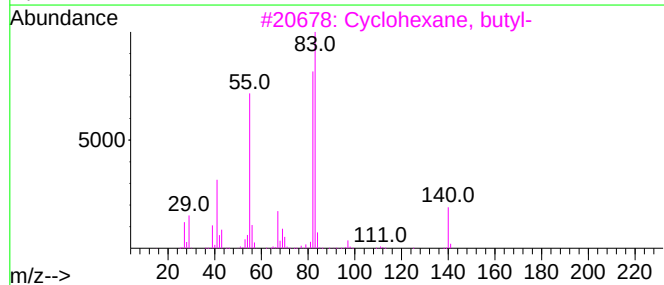
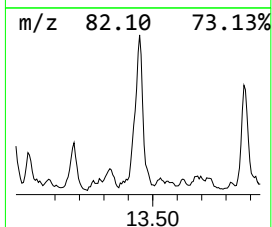
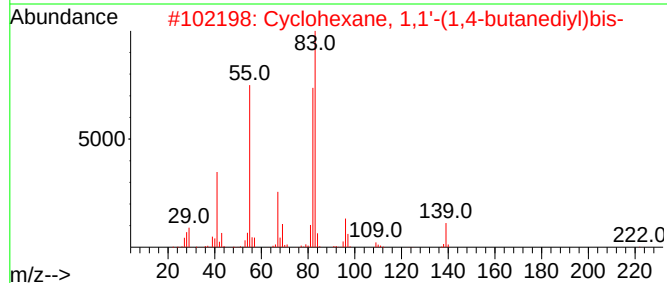
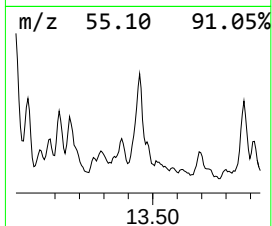
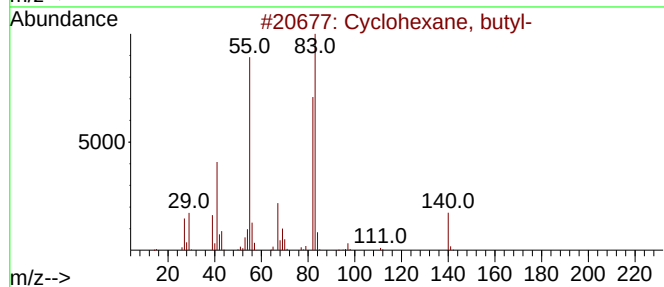
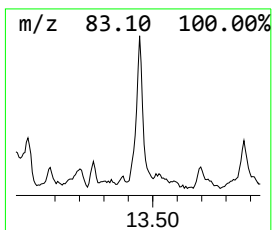
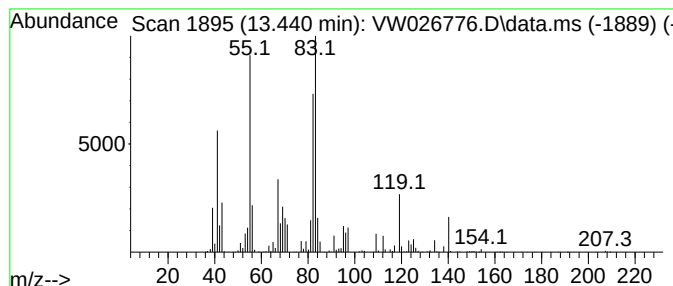
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Quant Title : SFAM01.0

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

Peak Number 42 (DEL) Alkane: Cyclic13.440 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.440	17.56 ug/L	660468	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, butyl-	140	C10H20	001678-93-9	64
2			Cyclohexane, 1,1'-(1,4-butanediyl)bis-	222	C16H30	006165-44-2	59
3			Cyclohexane, butyl-	140	C10H20	001678-93-9	53
4			Cyclohexane, 1,1'-(1,2-ethanediyl)bis-	194	C14H26	003321-50-4	53
5			Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

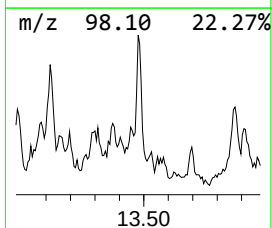
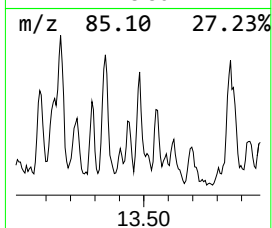
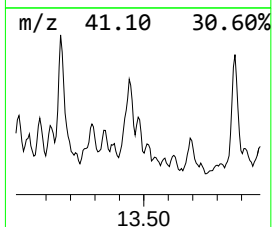
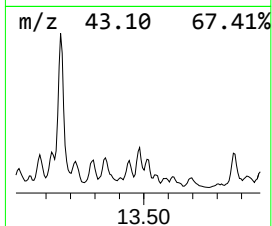
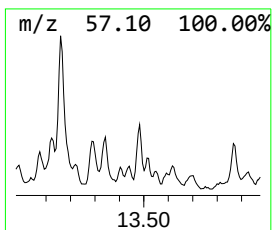
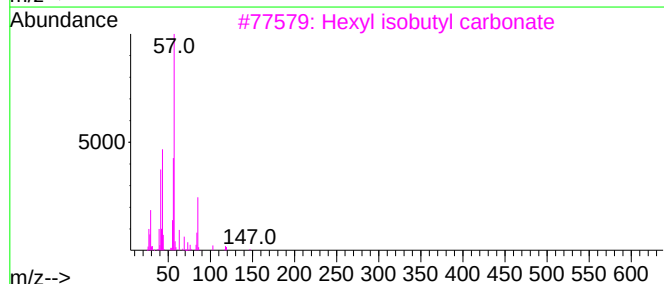
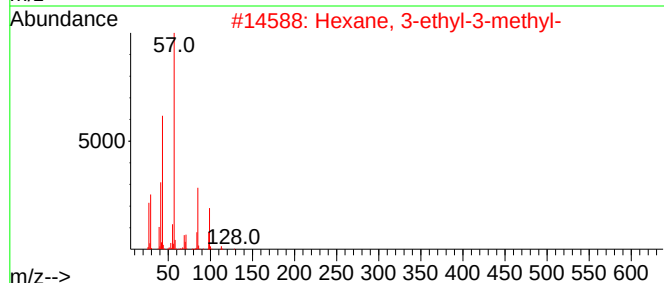
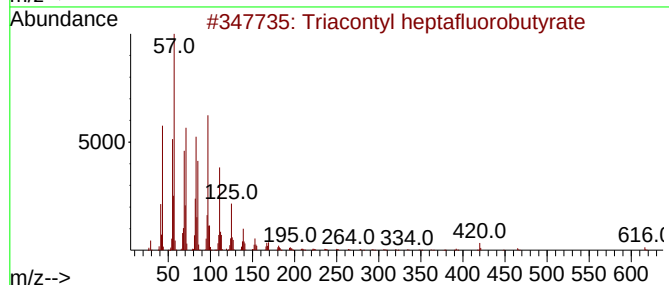
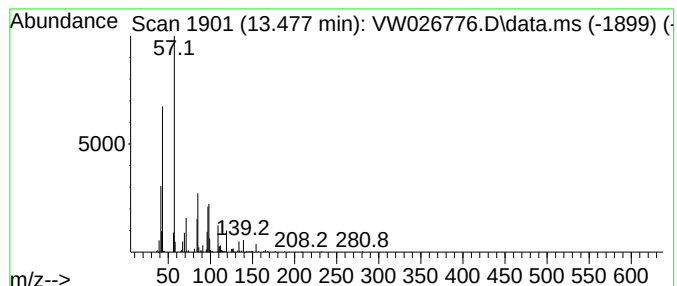
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Quant Title : SFAM01.0

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

Peak Number 43 unknown-04 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.477	5.39 ug/L	202802	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Triacontyl heptafluorobutyrate	634	C34H61F7O2	1000351-83-2	35
2			Hexane, 3-ethyl-3-methyl-	128	C9H20	003074-76-8	27
3			Hexyl isobutyl carbonate	202	C11H22O3	959067-98-2	27
4			2,4,4-Trimethyl-1-pentanol, pent...	276	C11H17F5O2	1000365-51-0	27
5			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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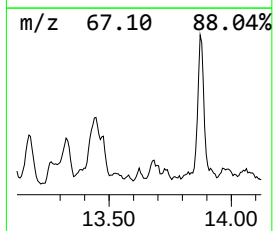
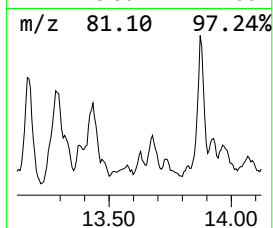
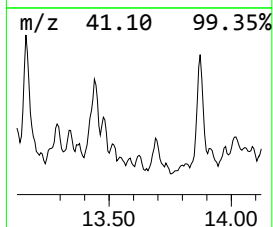
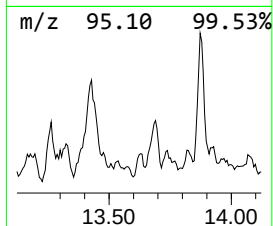
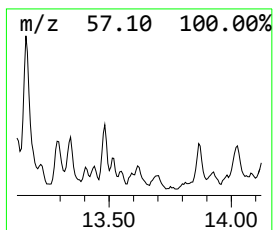
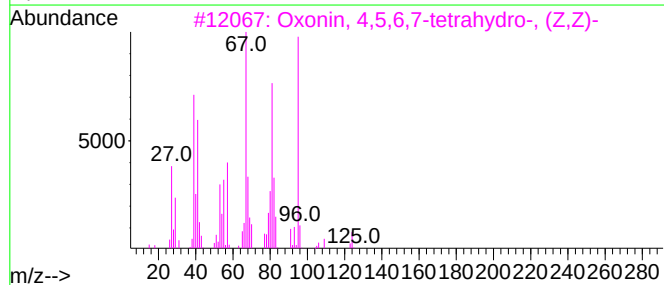
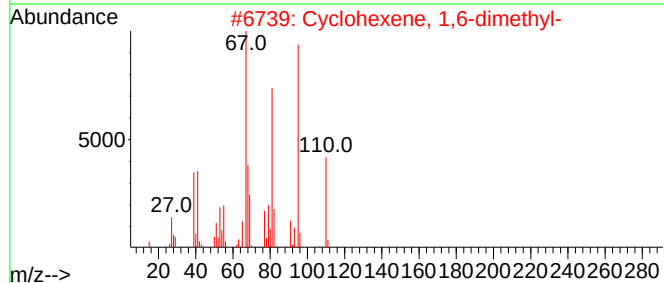
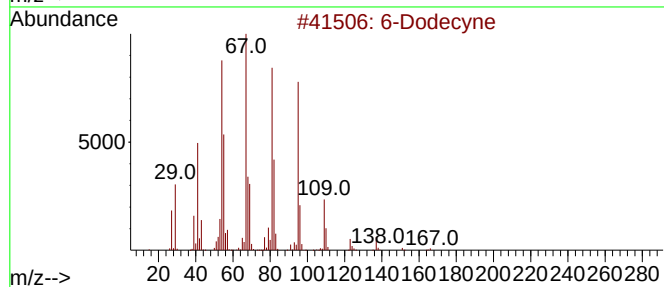
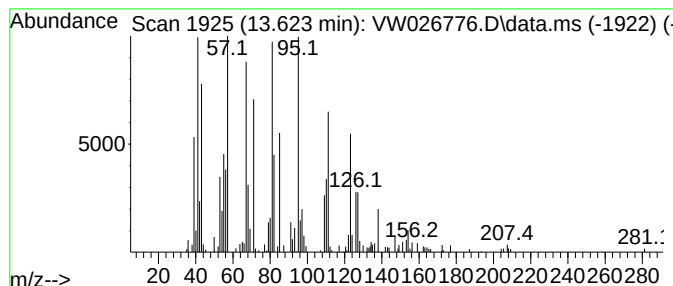
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Quant Title : SFAM01.0

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

Peak Number 44 6-Dodecyne Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.623	1.75 ug/L	65998	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			6-Dodecyne	166	C12H22	006975-99-1	55
2			Cyclohexene, 1,6-dimethyl-	110	C8H14	001759-64-4	53
3			Oxonin, 4,5,6,7-tetrahydro-, (Z,Z)-	124	C8H12O	017123-56-7	49
4			1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	49
5			Cyclopentane, 1-isobutylidene-3-...	138	C10H18	1000150-62-1	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

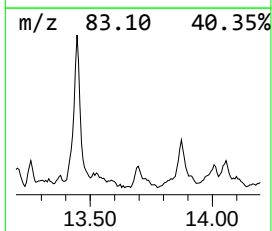
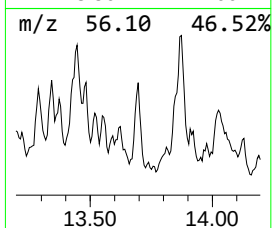
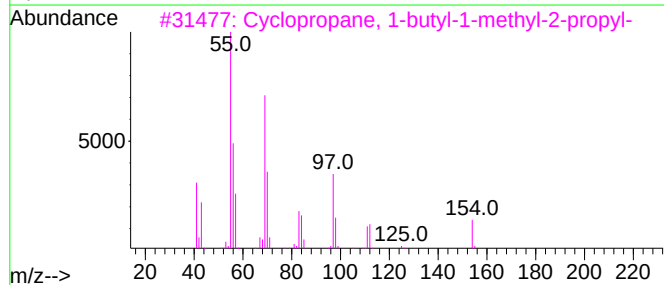
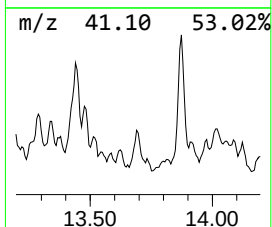
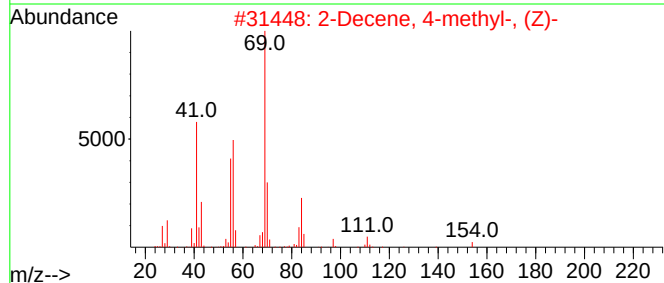
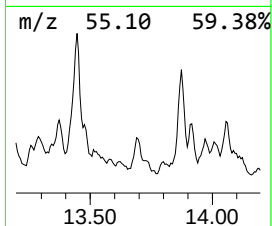
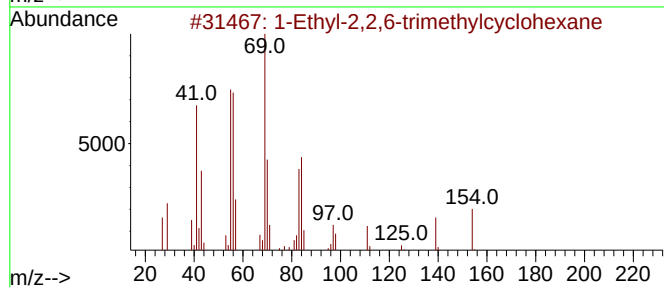
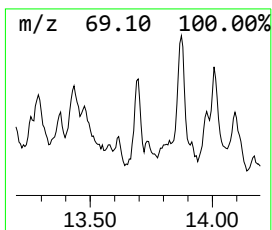
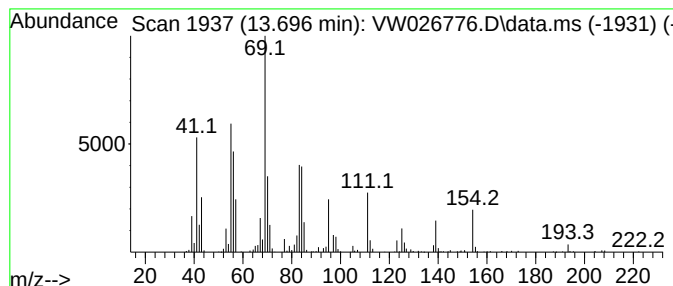
Instrument :
MSVOA_W
ClientSampleId :
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Quant Title : SFAM01.0

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

Peak Number 45 (DEL) Alkane: Cyclic13.696 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.696	5.83 ug/L	219165	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	87
2	2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	62
3	Cyclopropane, 1-butyl-1-methyl-2...	154	C11H22	041977-34-8	47
4	Ketone, 2,2-dimethylcyclohexyl m...	154	C10H18O	017983-26-5	43
5	1-Decene, 5-methyl-	154	C11H22	054244-79-0	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

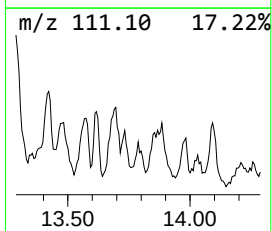
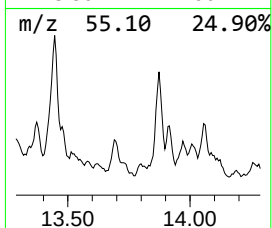
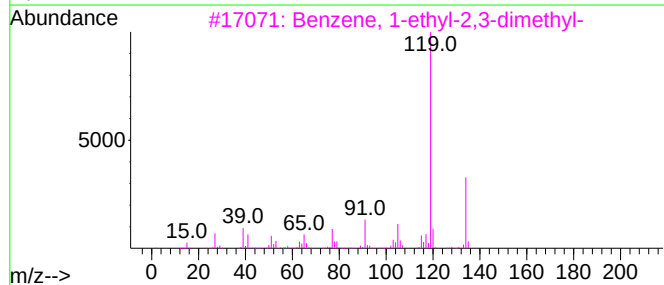
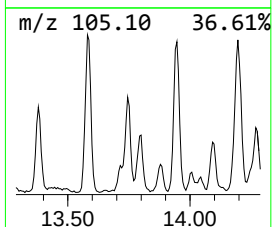
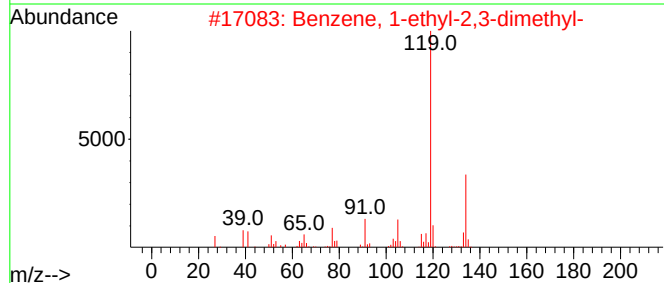
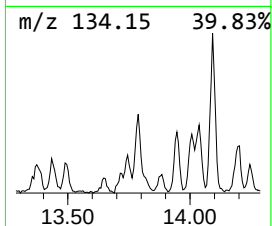
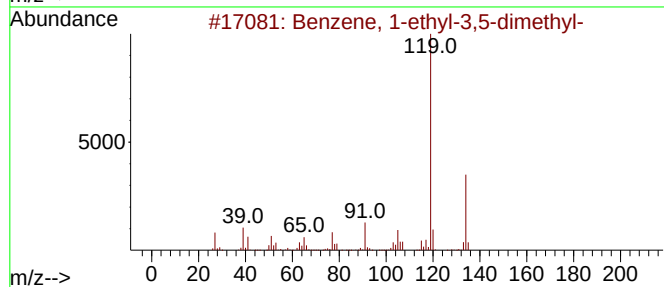
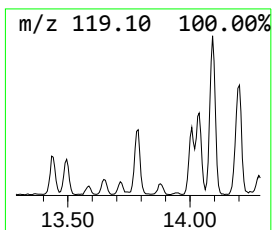
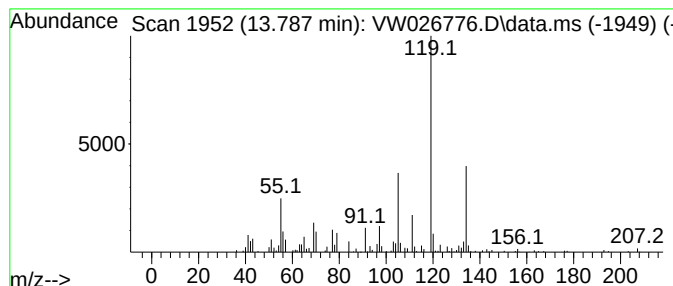
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Quant Title : SFAM01.0

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

Peak Number 46 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.788	1.64 ug/L	61864	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76
2			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	68
3			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	64
4			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64
5			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

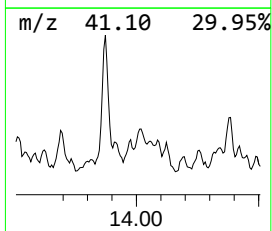
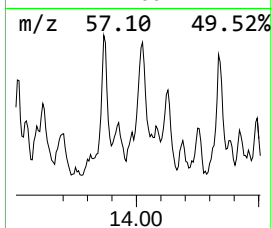
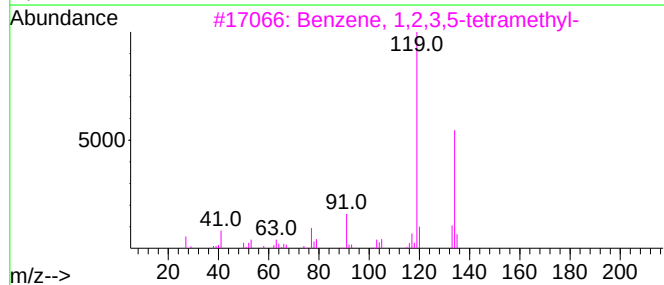
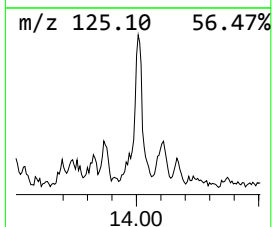
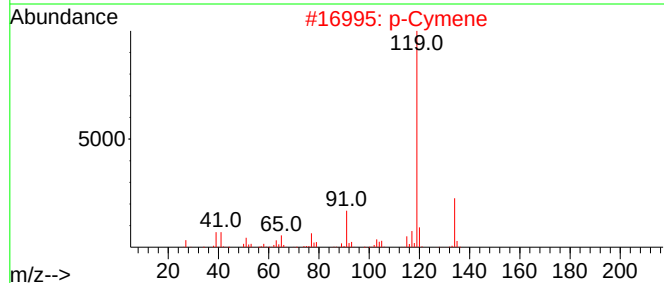
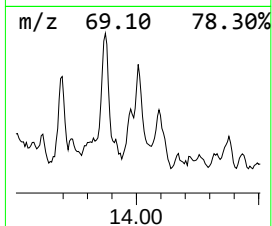
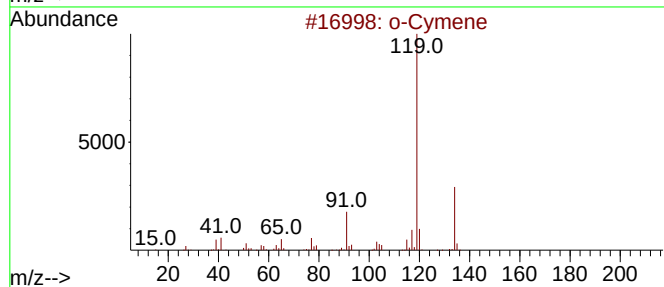
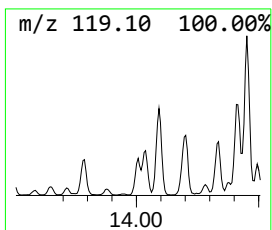
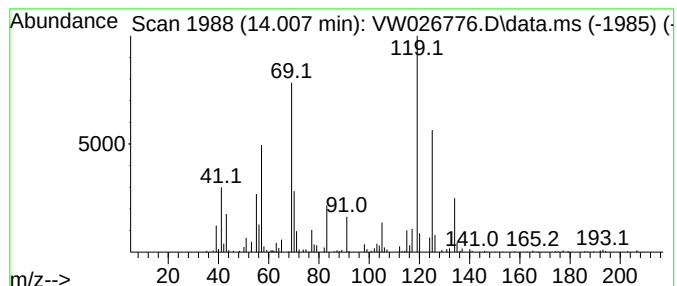
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Quant Title : SFAM01.0

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

Peak Number 47 unknown-05 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.007	5.79 ug/L	217733	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	42
2			p-Cymene	134	C10H14	000099-87-6	42
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	42
4			o-Cymene	134	C10H14	000527-84-4	42
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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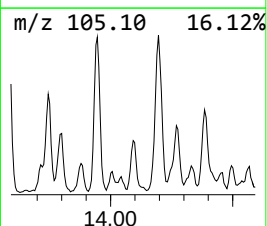
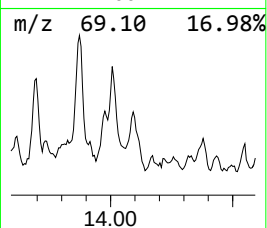
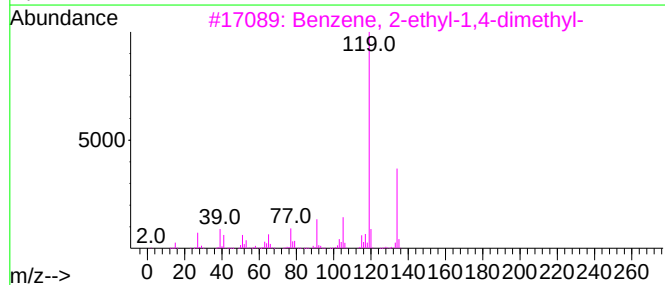
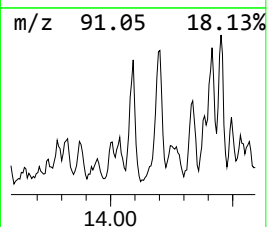
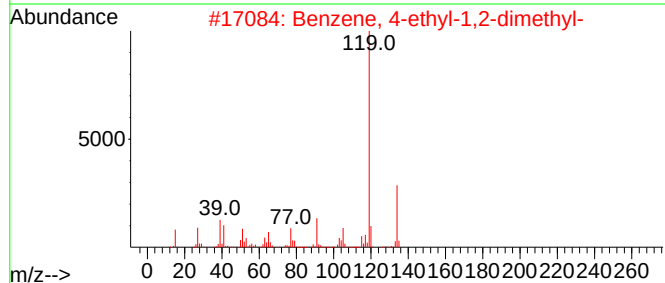
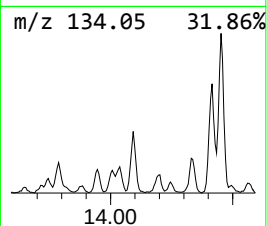
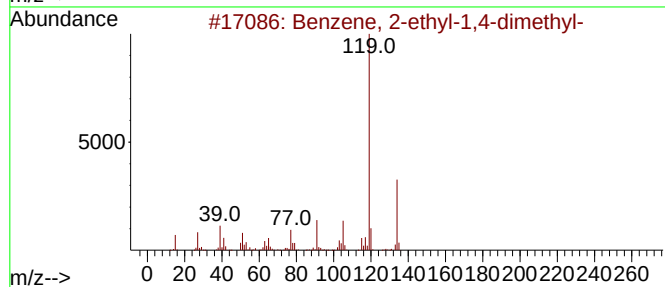
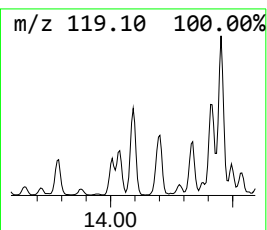
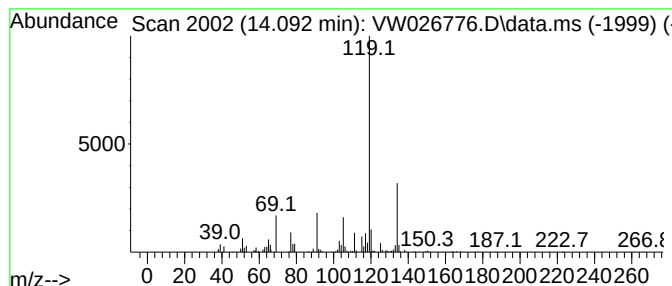
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Quant Title : SFAM01.0

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

Peak Number 48 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.092	4.84 ug/L	182177	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4			o-Cymene	134	C10H14	000527-84-4	93
5			o-Cymene	134	C10H14	000527-84-4	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

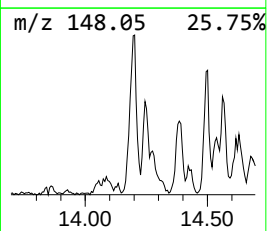
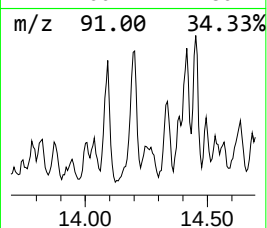
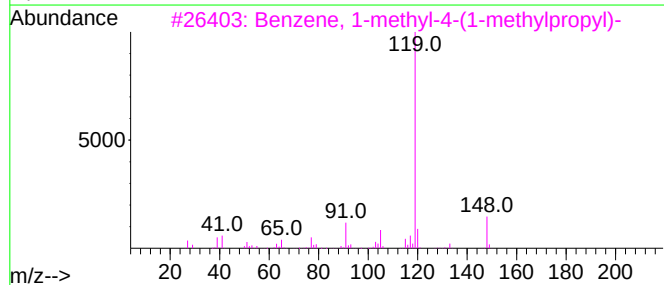
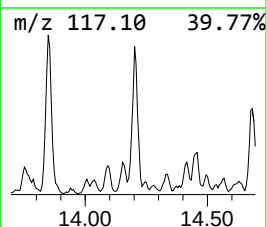
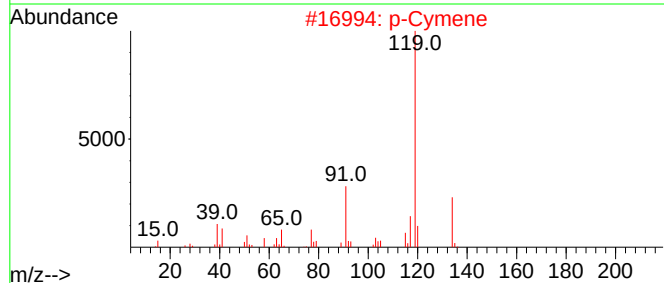
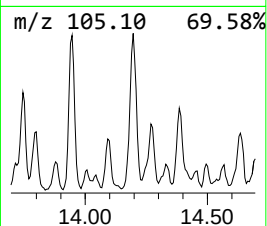
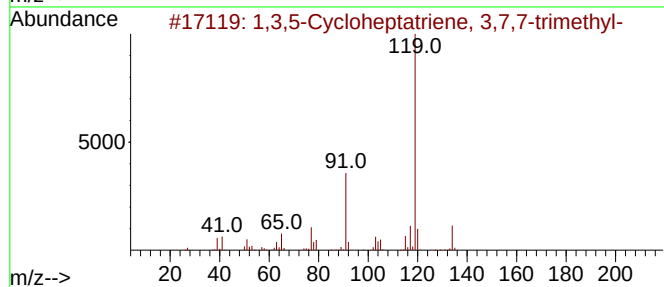
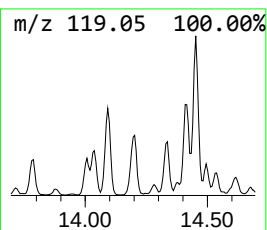
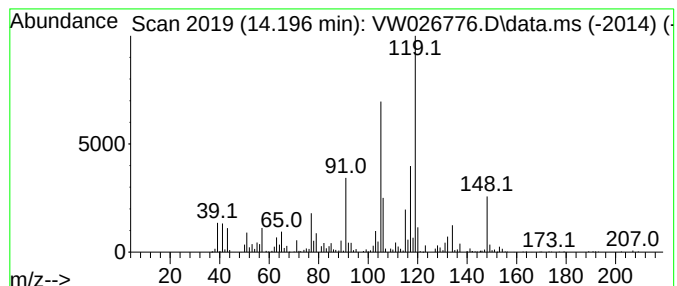
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Quant Title : SFAM01.0

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

Peak Number 49 unknown-06 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.196	8.61 ug/L	324006	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	49
2		p-Cymene	134	C10H14	000099-87-6	49
3		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	47
4		1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	47
5		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

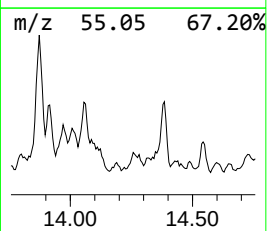
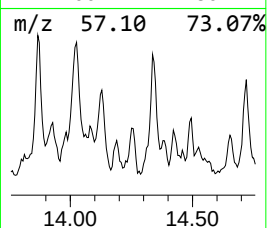
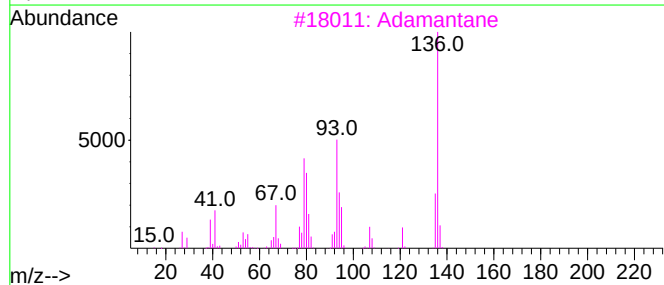
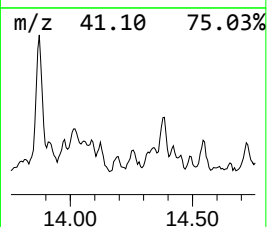
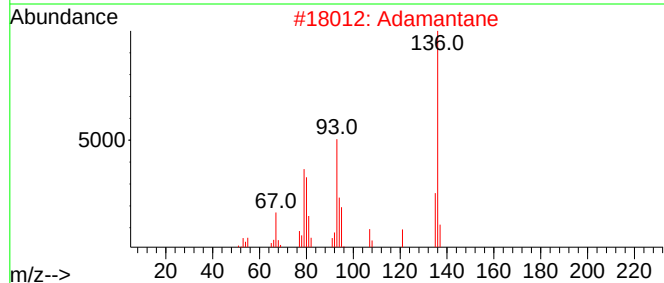
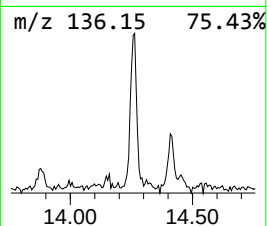
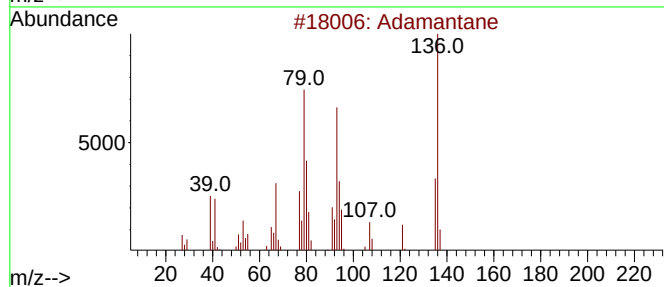
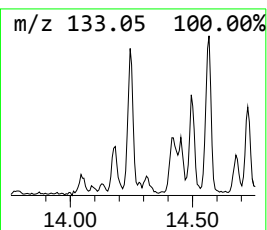
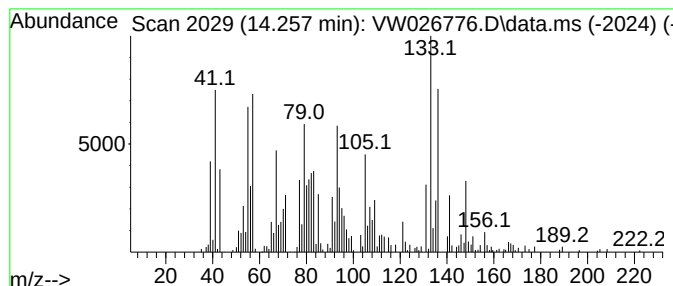
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Quant Title : SFAM01.0

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

Peak Number 50 Adamantane Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.257	6.98 ug/L	262516	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane			136	C10H16	000281-23-2	80
2	Adamantane			136	C10H16	000281-23-2	42
3	Adamantane			136	C10H16	000281-23-2	42
4	Phenol, 2-(2-methyl-2-propenyl)-			148	C10H12O	020944-88-1	38
5	Adamantane			136	C10H16	000281-23-2	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

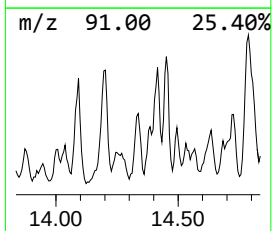
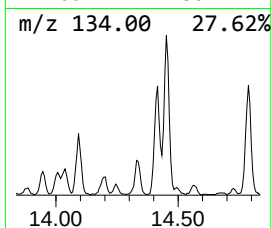
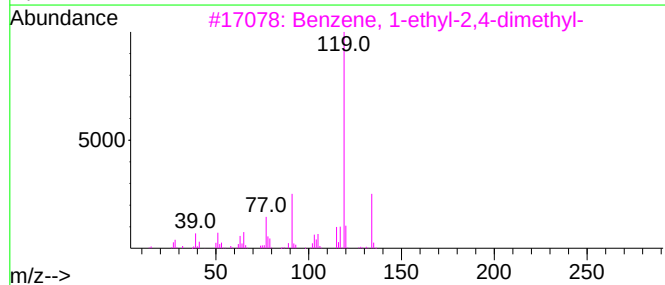
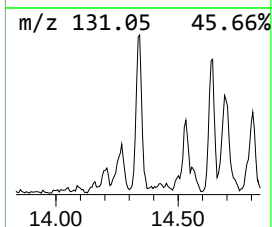
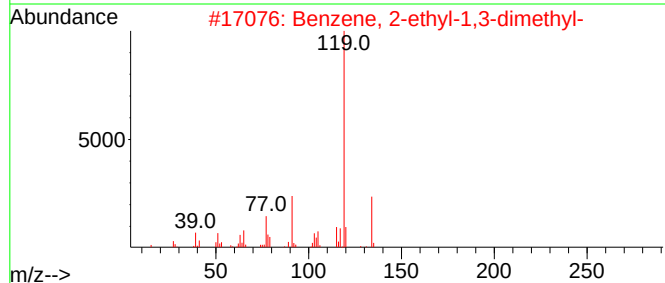
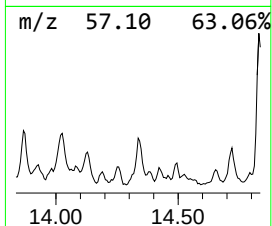
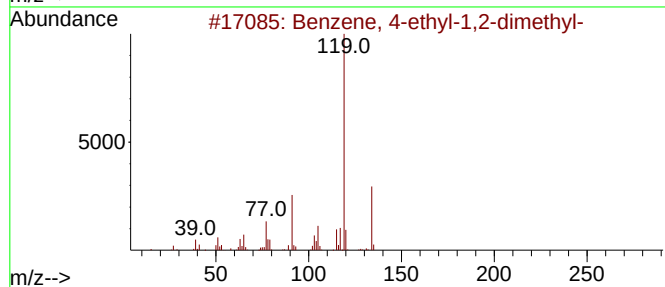
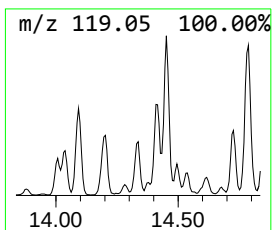
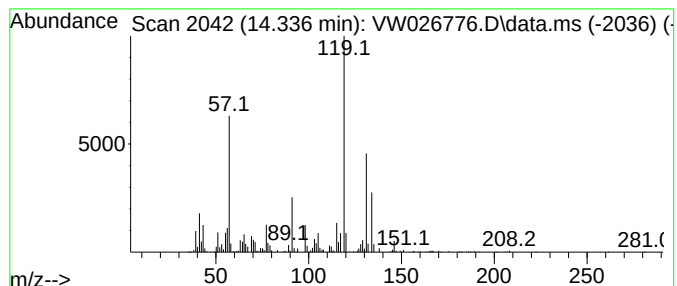
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Quant Title : SFAM01.0

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

Peak Number 51 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.336	8.20 ug/L	308460	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	92
2			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	92
3			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

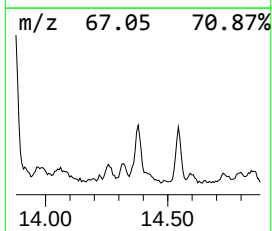
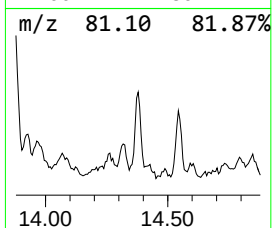
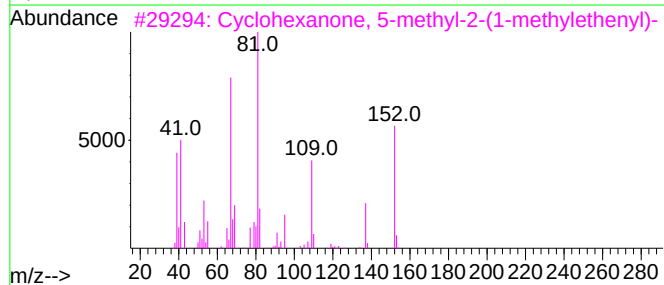
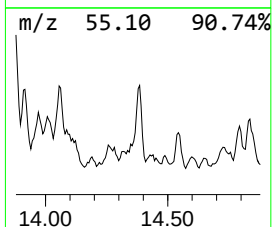
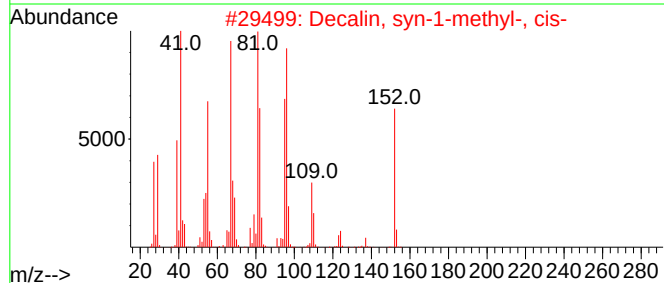
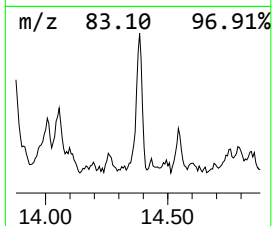
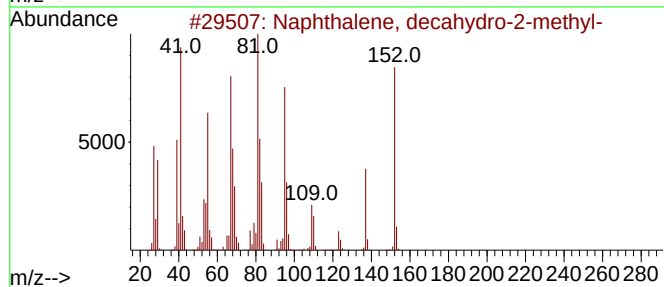
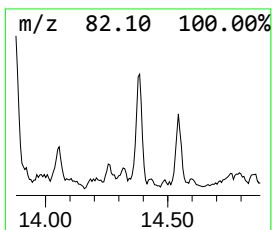
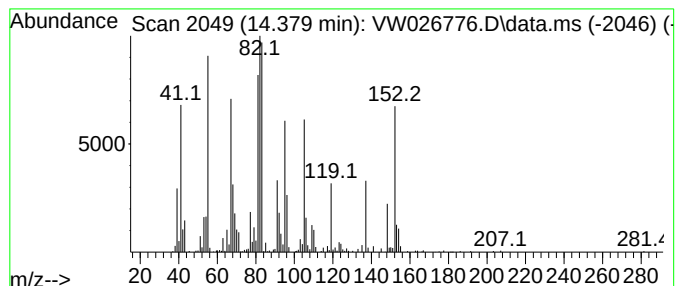
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Quant Title : SFAM01.0

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

Peak Number 52 Naphthalene, decahydro-2-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.379	10.21 ug/L	384232	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	95
2			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	43
3			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	000529-00-0	41
4			trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	38
5			Pulegone	152	C10H16O	000089-82-7	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

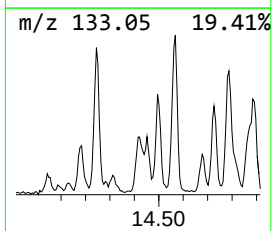
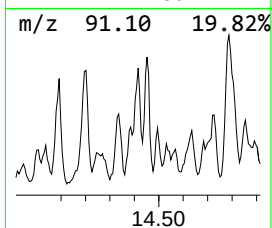
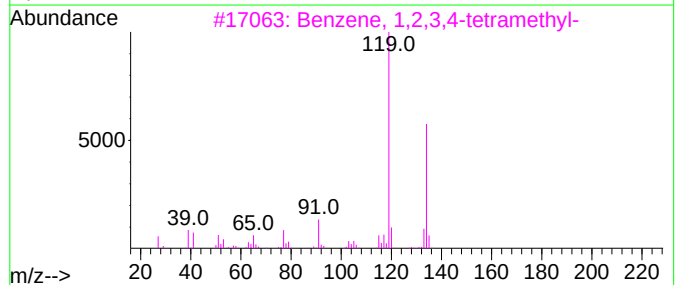
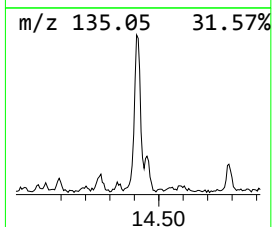
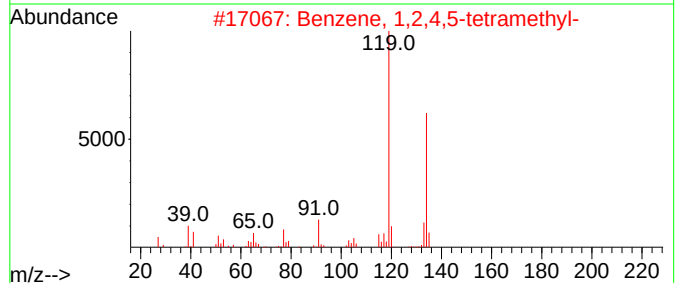
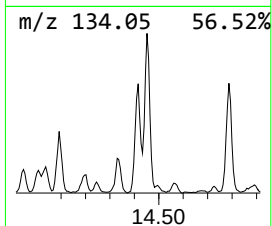
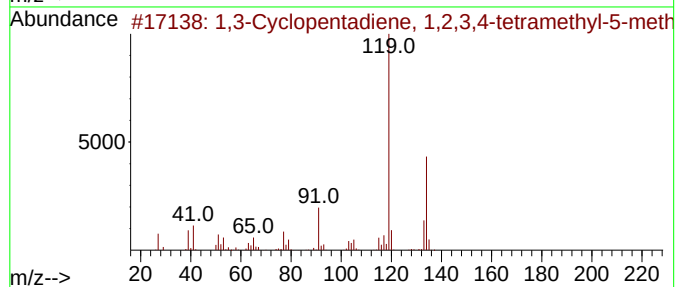
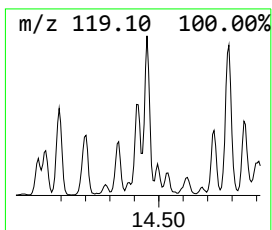
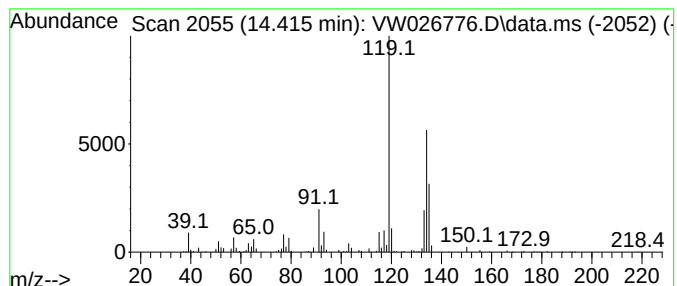
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Quant Title : SFAM01.0

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

Peak Number 53 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.415	8.37 ug/L	314742	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	87
2			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
3			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

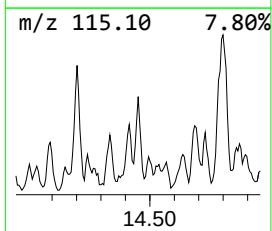
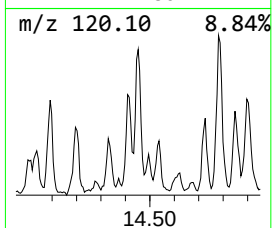
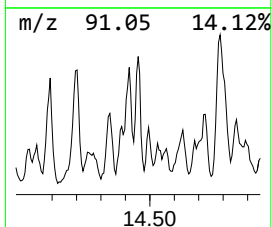
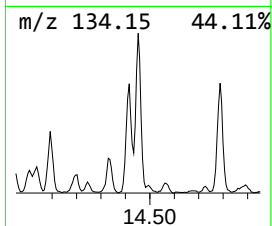
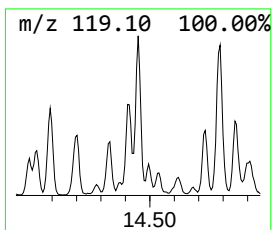
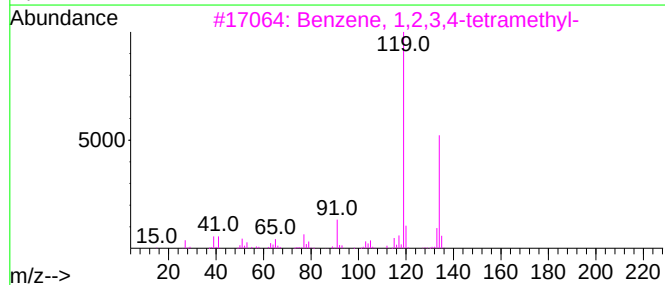
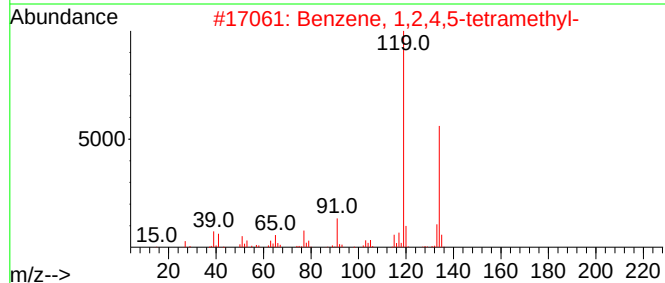
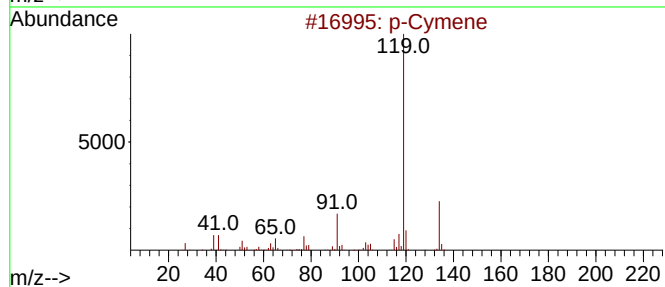
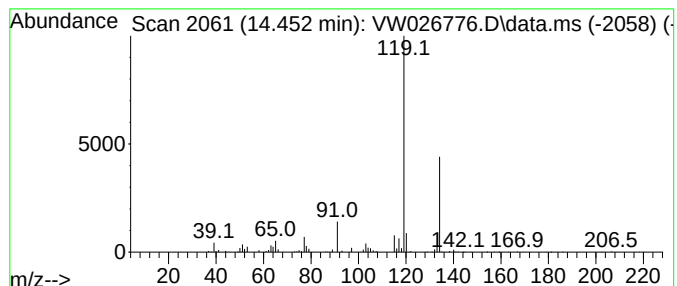
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Quant Title : SFAM01.0

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

Peak Number 54 p-Cymene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.452	7.67 ug/L	288521	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			p-Cymene	134	C10H14	000099-87-6	91
2			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
3			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

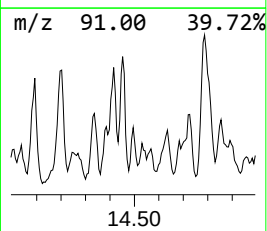
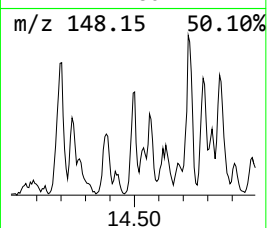
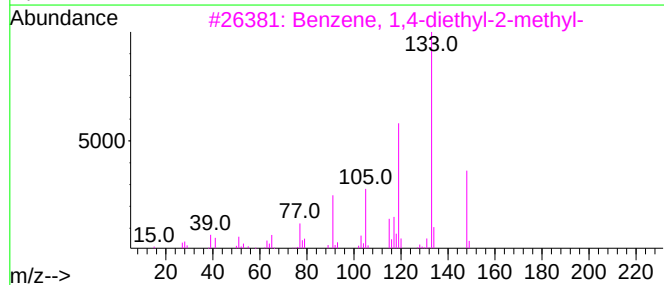
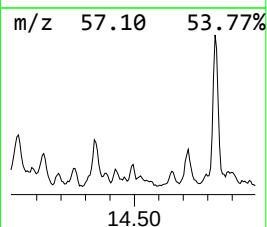
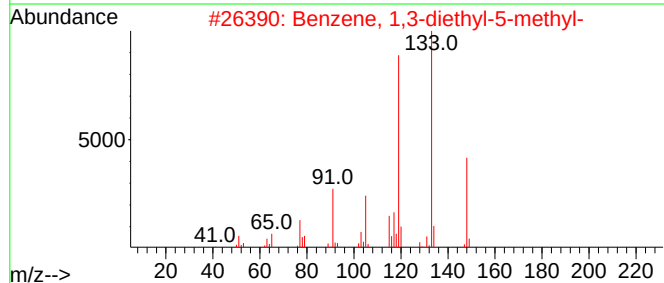
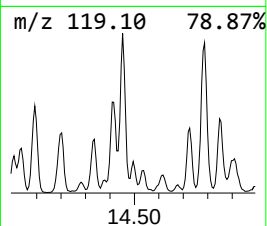
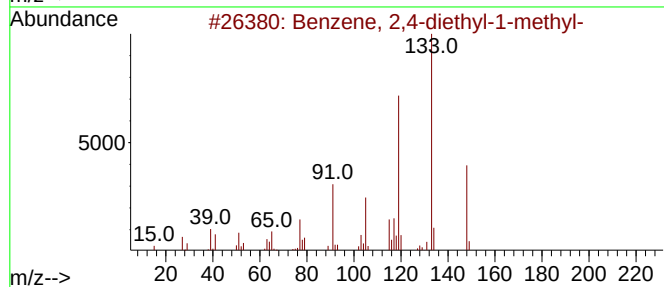
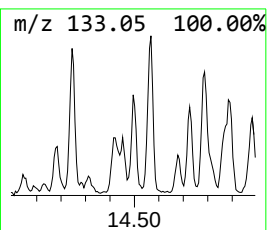
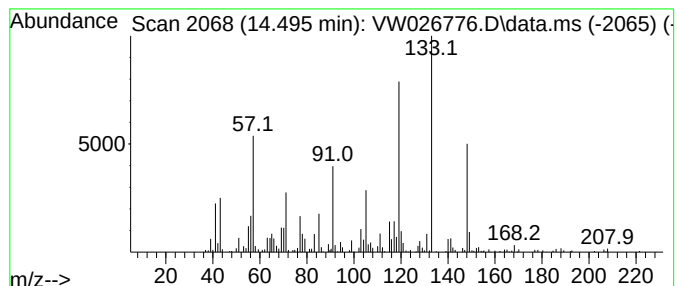
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Quant Title : SFAM01.0

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

Peak Number 55 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.495	2.80 ug/L	105376	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	96
2			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	95
3			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	94
4			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	93
5			3,4-Dimethylcumene	148	C11H16	1000370-34-1	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

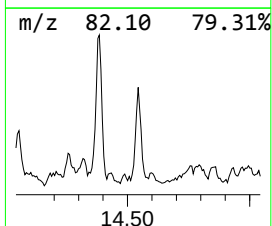
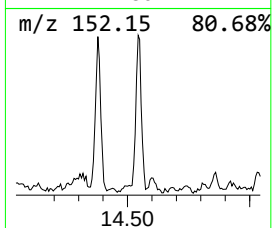
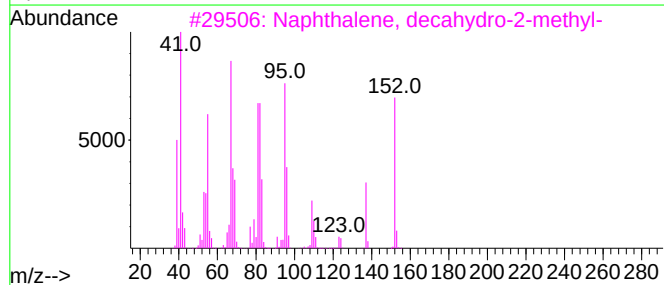
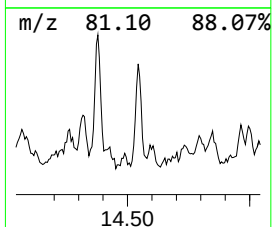
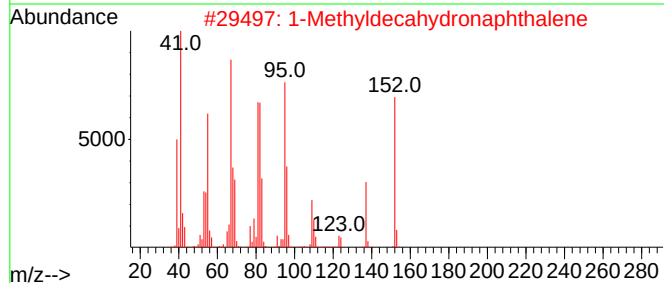
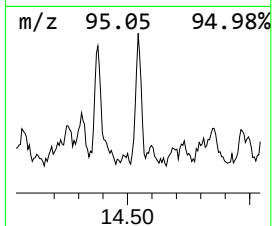
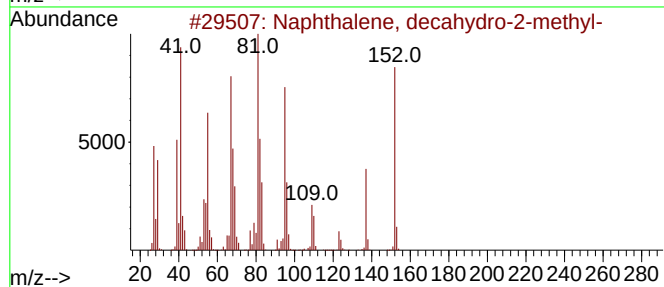
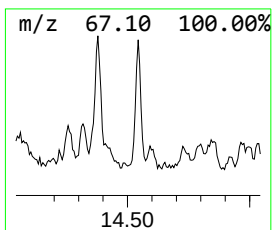
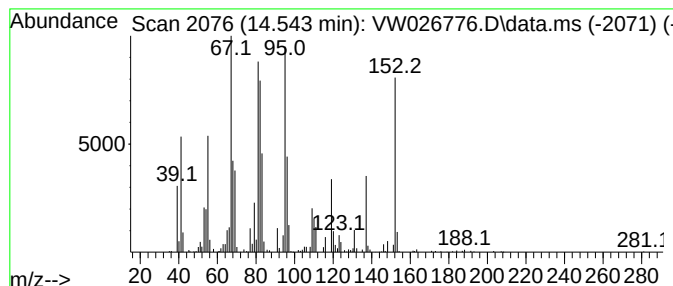
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Quant Title : SFAM01.0

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

Peak Number 56 1-Methyldecahydronaphthalene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.543	7.68 ug/L	288885	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	93
3			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	93
4			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	90
5			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

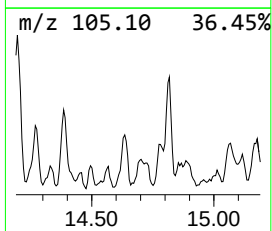
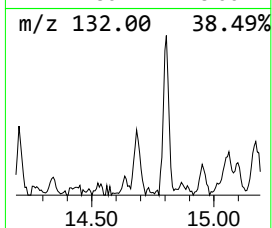
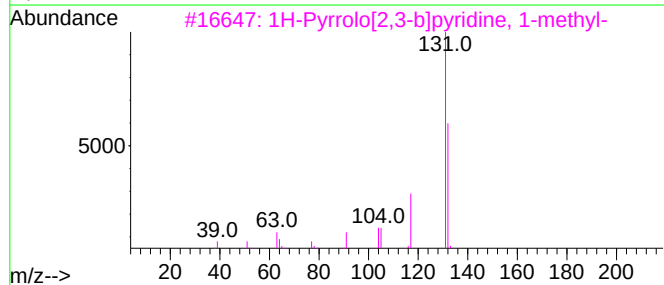
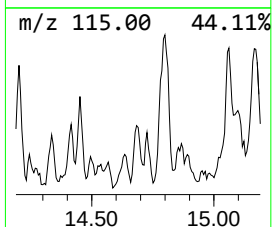
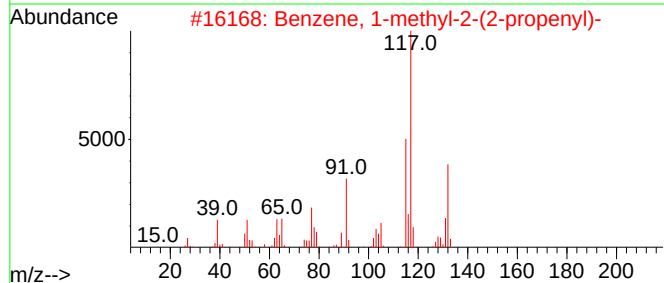
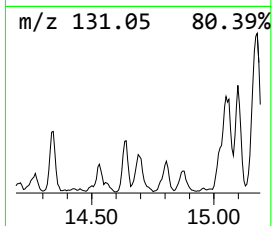
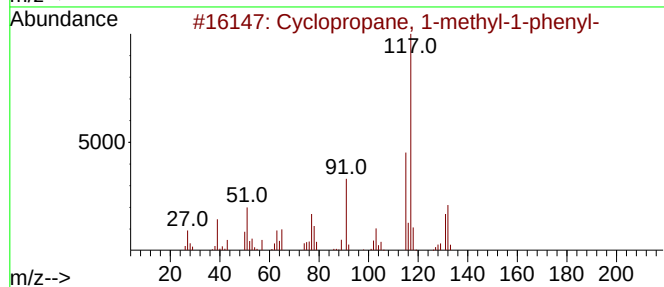
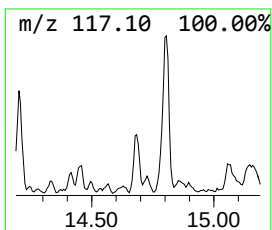
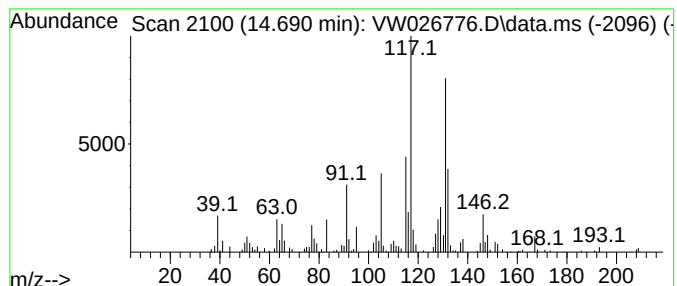
Instrument :
MSVOA_W
ClientSampleId :
EZYH3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 57 Cyclopropane, 1-methyl-1-ph... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.690	1.86 ug/L	70053	1,4-Dichlorobenzene-d4	13.556	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1-methyl-1-phenyl-	132	C10H12	002214-14-4	60
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	53
3	1H-Pyrrolo[2,3-b]pyridine, 1-met...	132	C8H8N2	027257-15-4	53
4	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	50
5	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

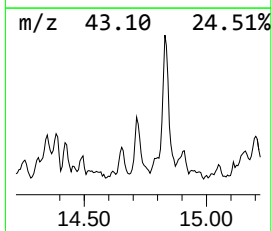
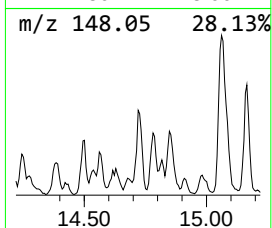
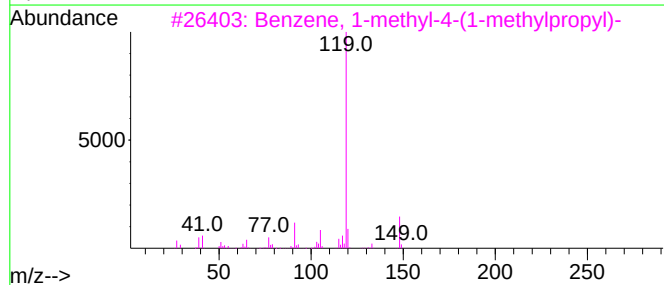
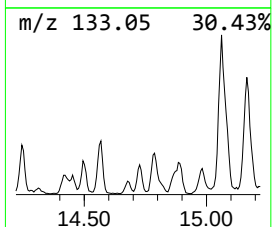
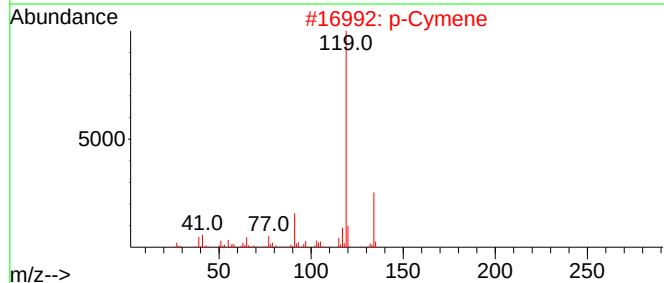
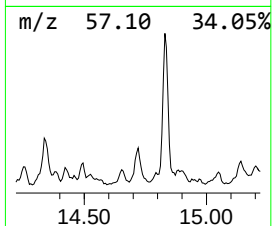
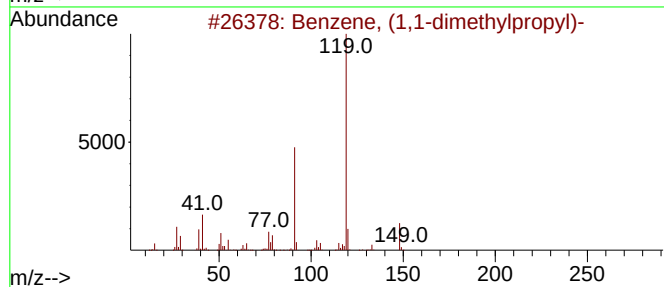
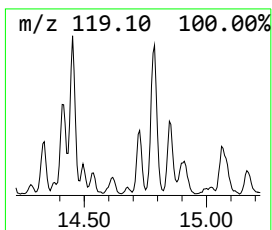
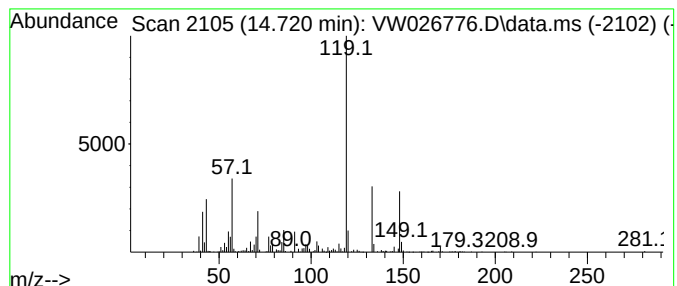
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Quant Title : SFAM01.0

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

Peak Number 58 Benzene, (1,1-dimethylpropyl)- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.720	5.76 ug/L	216578	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	59
2			p-Cymene	134	C10H14	000099-87-6	58
3			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	58
4			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	49
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

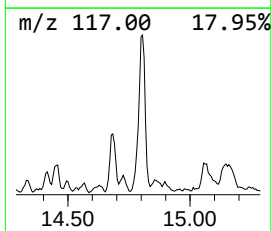
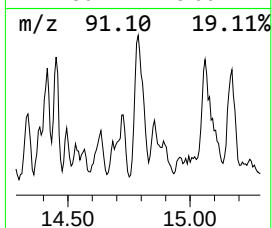
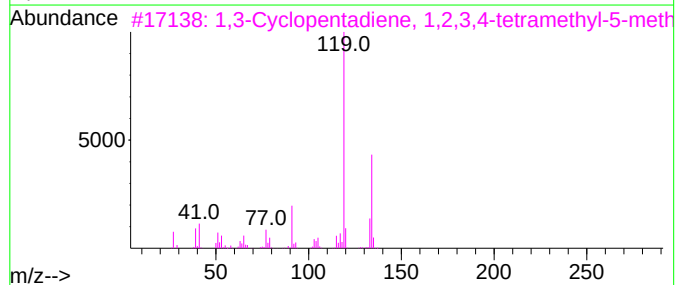
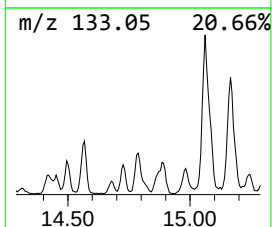
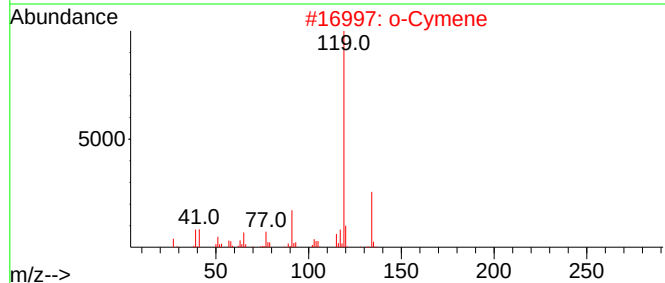
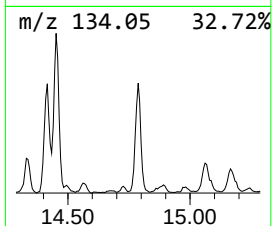
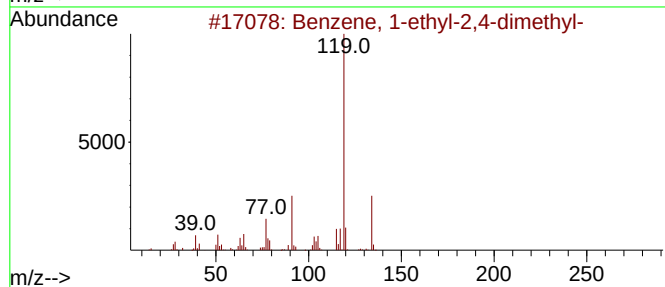
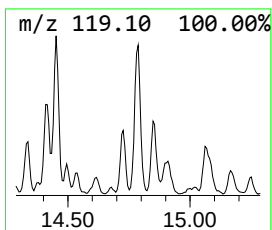
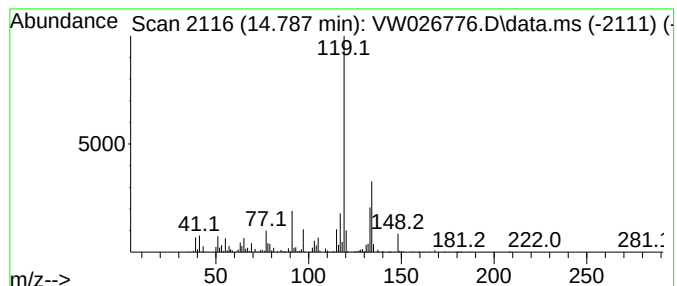
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Quant Title : SFAM01.0

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

Peak Number 59 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.787	16.57 ug/L	623437	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
2			o-Cymene	134	C10H14	000527-84-4	92
3			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	81
4			o-Cymene	134	C10H14	000527-84-4	76
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

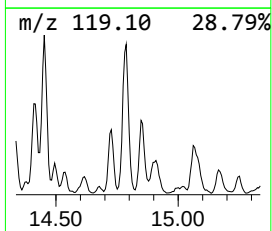
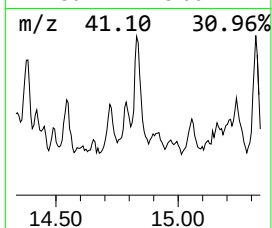
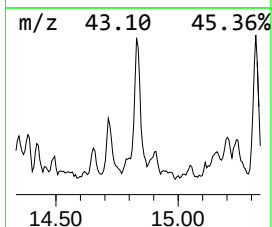
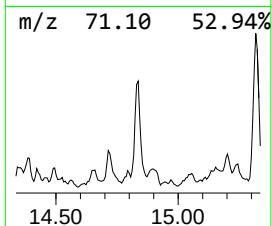
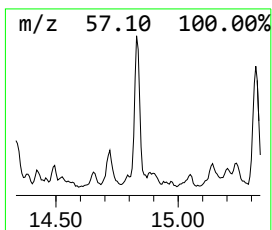
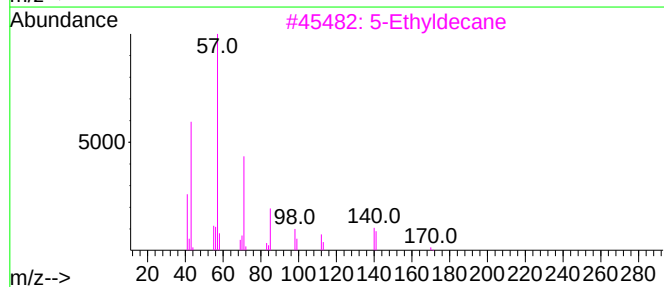
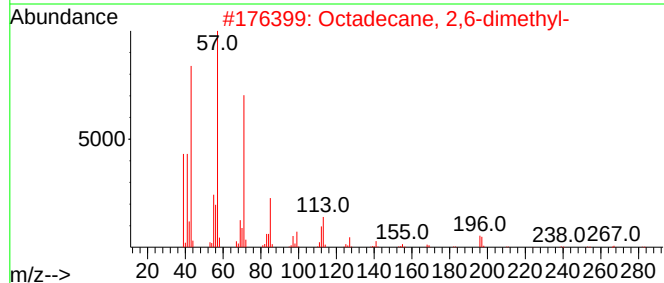
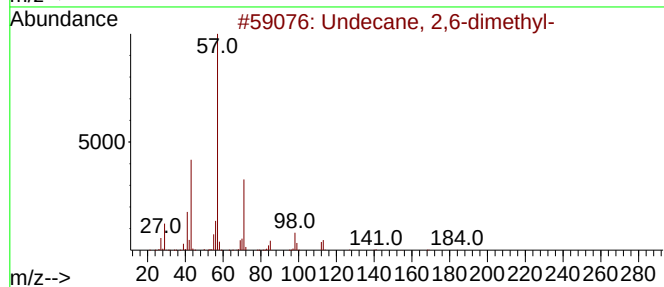
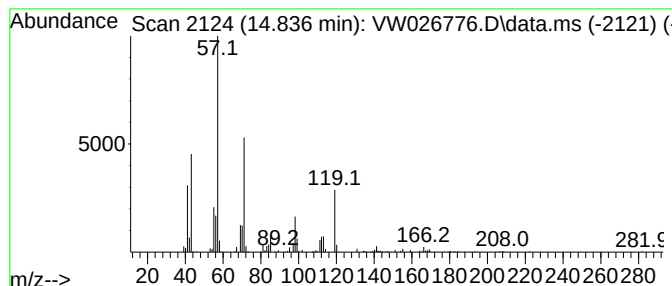
Instrument :
MSVOA_W
ClientSampleId :
EZYH3

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Quant Title : SFAM01.0

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

Peak Number 60 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.836	10.06 ug/L	378426	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	55
2	Octadecane, 2,6-dimethyl-		282	C20H42	075163-97-2	55
3	5-Ethyldecane		170	C12H26	017302-36-2	53
4	Nonane, 3-methyl-		142	C10H22	005911-04-6	49
5	Dodecane, 6-methyl-		184	C13H28	006044-71-9	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

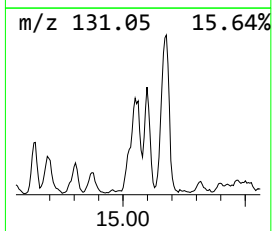
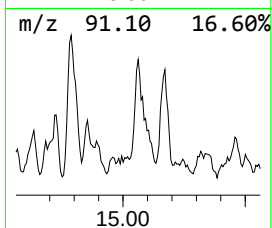
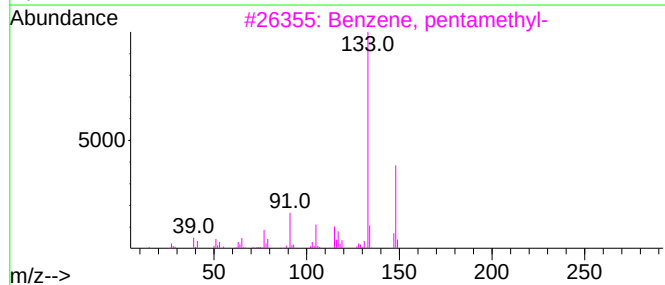
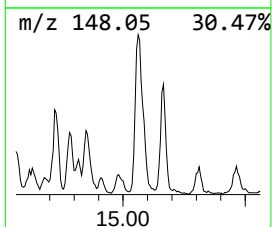
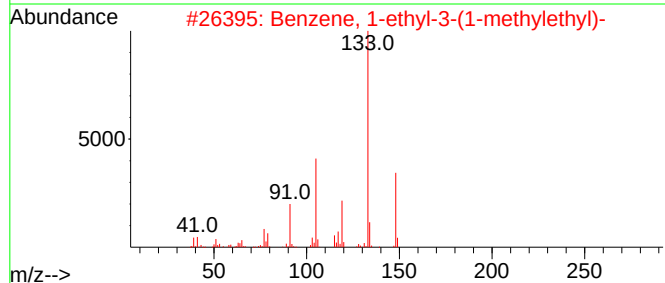
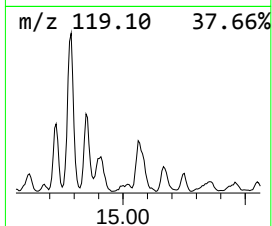
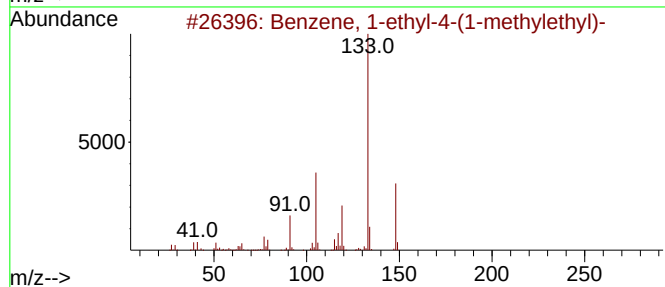
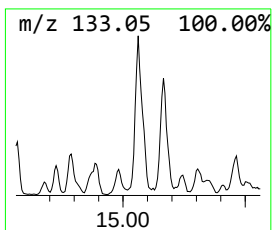
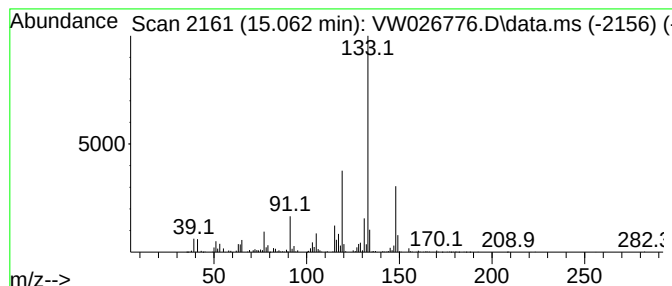
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Quant Title : SFAM01.0

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

Peak Number 61 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.062	13.80 ug/L	519193	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	83
2			Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	83
3			Benzene, pentamethyl-	148	C11H16	000700-12-9	70
4			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	68
5			1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

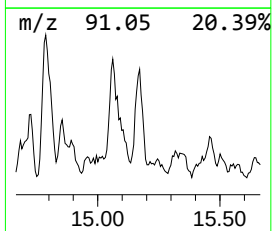
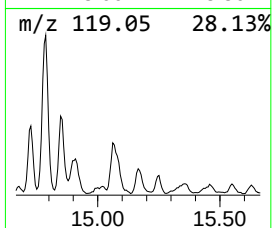
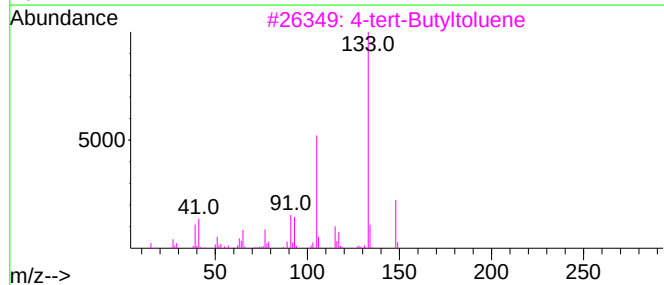
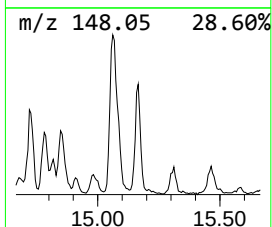
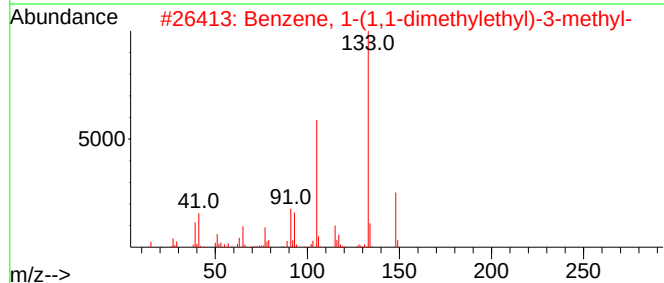
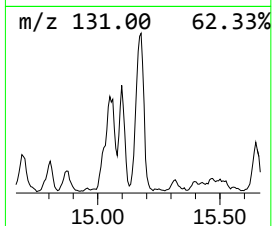
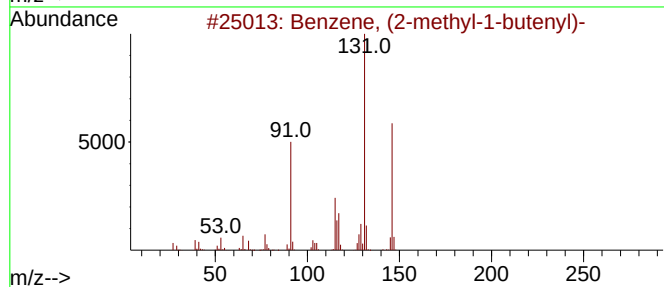
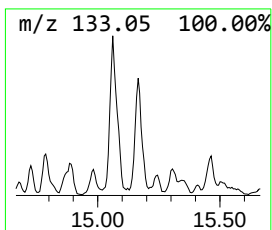
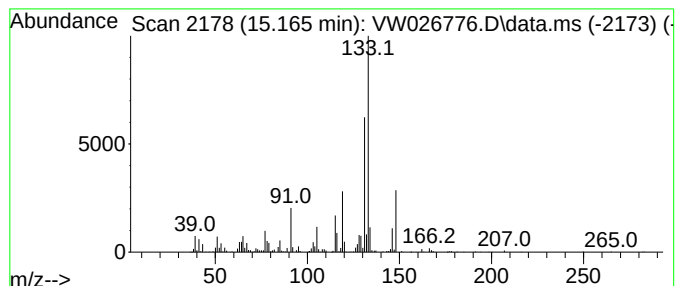
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Quant Title : SFAM01.0

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

Peak Number 62 Benzene, (2-methyl-1-butenyl)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.165	11.19 ug/L	420967	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	74
2			Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	46
3			4-tert-Butyltoluene	148	C11H16	000098-51-1	46
4			Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	43
5			Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

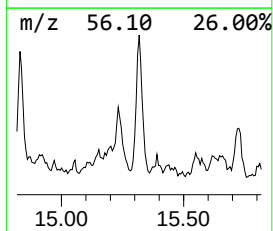
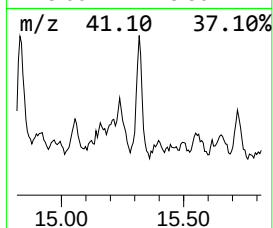
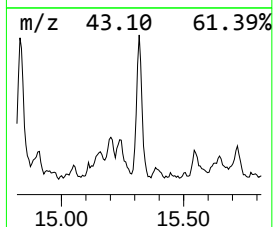
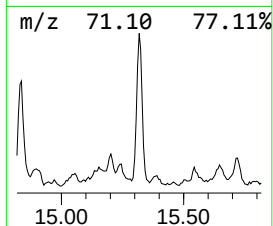
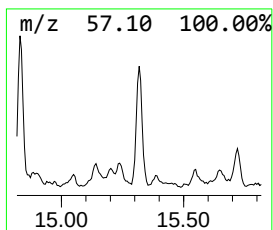
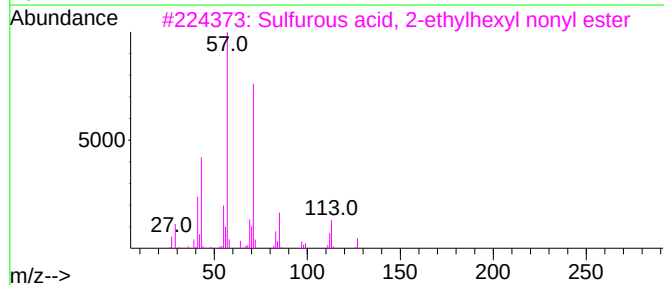
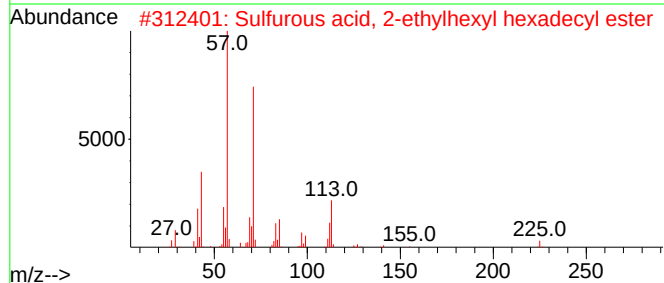
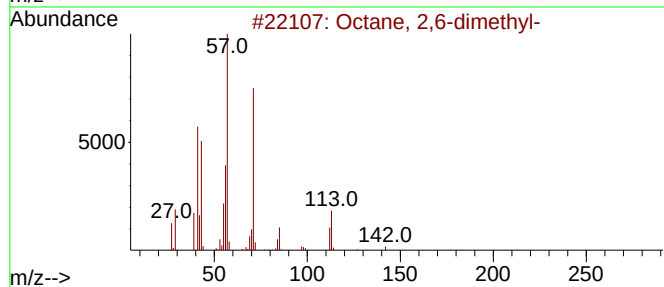
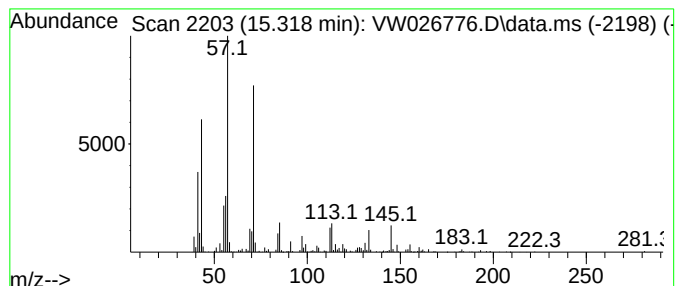
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Quant Title : SFAM01.0

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

Peak Number 63 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.318	11.01 ug/L	414276	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
2			Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	64
3			Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	64
4			Sulfurous acid, 2-ethylhexyl pen...	404	C23H48O3S	1000309-19-8	64
5			Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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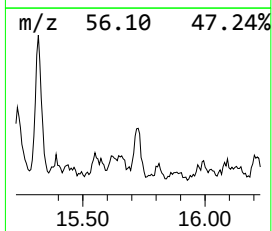
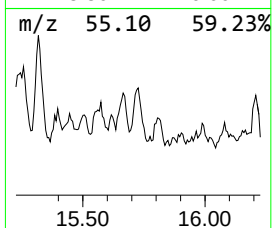
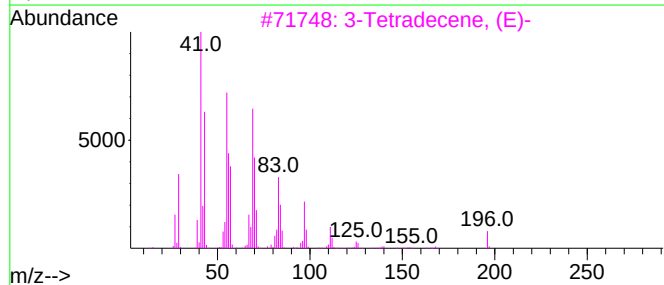
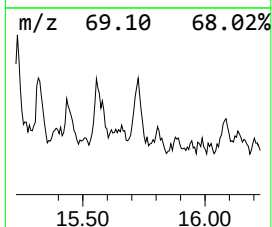
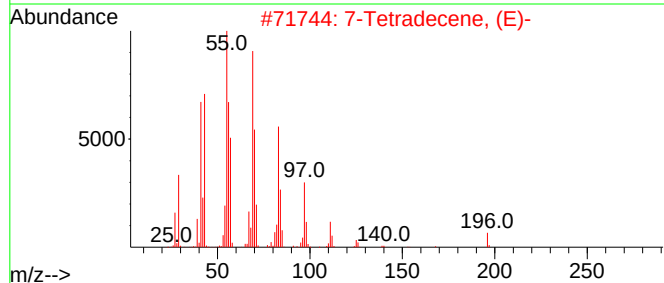
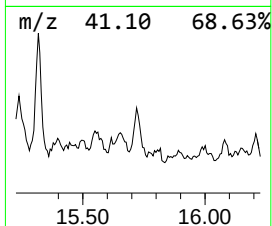
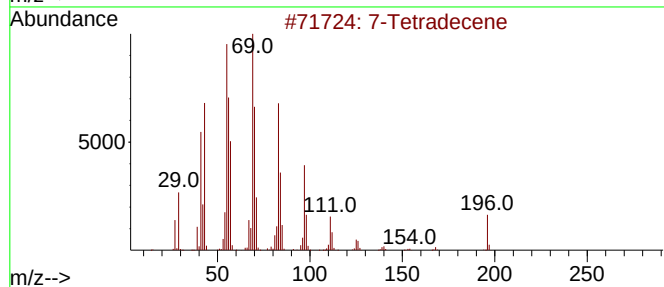
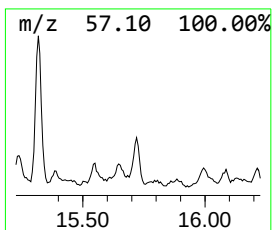
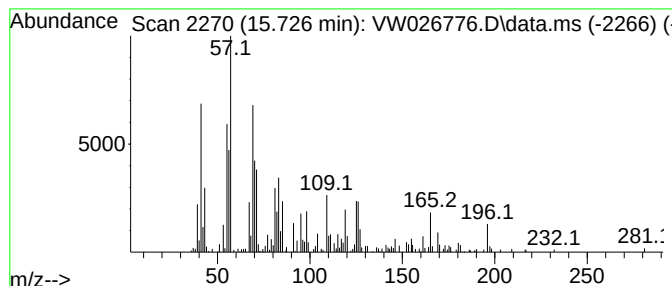
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Quant Title : SFAM01.0

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

Peak Number 64 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.726	3.49 ug/L	131430	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		7-Tetradecene	196	C14H28	010374-74-0	46
2		7-Tetradecene, (E)-	196	C14H28	041446-63-3	41
3		3-Tetradecene, (E)-	196	C14H28	041446-68-8	38
4		3-Tetradecene, (E)-	196	C14H28	041446-68-8	38
5		3-Tetradecene, (E)-	196	C14H28	041446-68-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

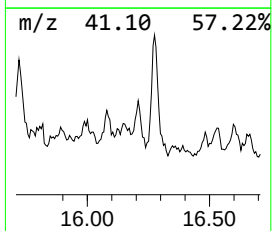
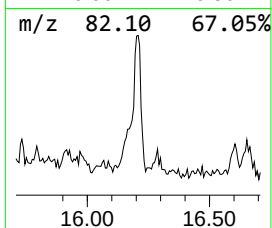
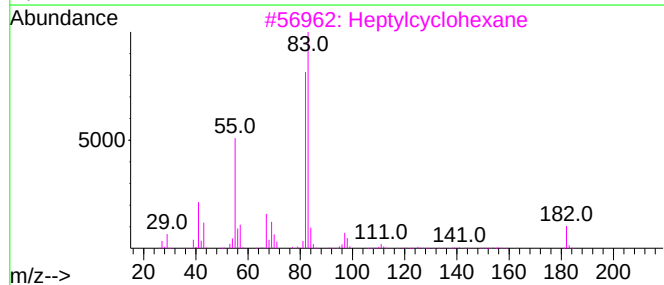
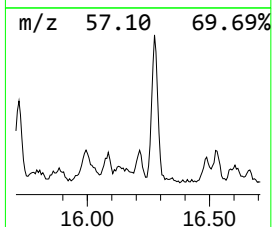
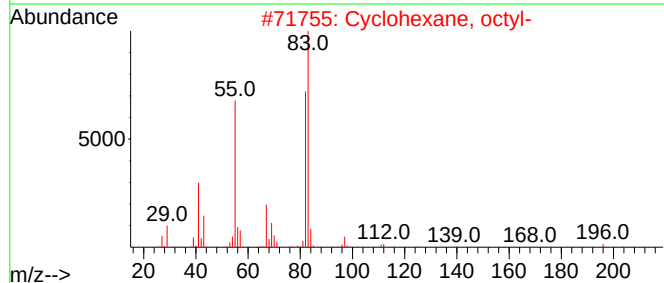
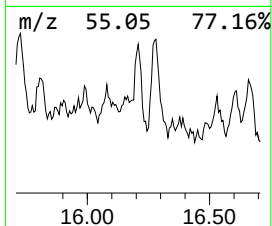
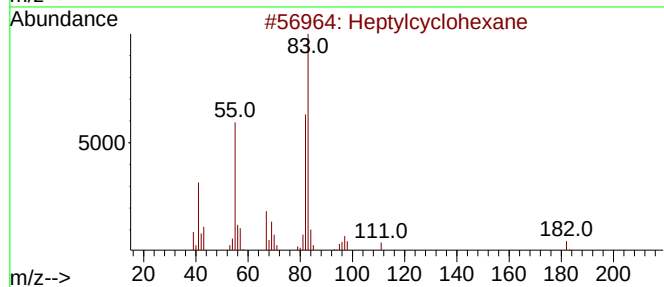
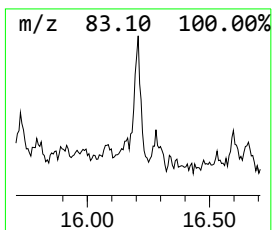
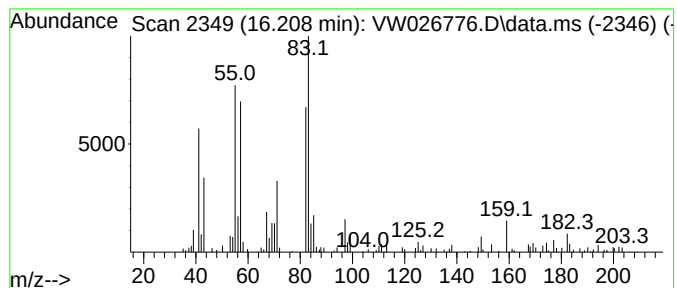
Instrument :
MSVOA_W
ClientSampleId :
EZYH3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 65 (DEL) Alkane: Cyclic16.208 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD		R.T.	
16.208	1.93 ug/L	72675	1,4-Dichlorobenzene-d4		13.556	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptylcyclohexane		182	C13H26	005617-41-4	76
2	Cyclohexane, octyl-		196	C14H28	001795-15-9	64
3	Heptylcyclohexane		182	C13H26	005617-41-4	64
4	Cyclohexane, propyl-		126	C9H18	001678-92-8	64
5	Cyclohexane, undecyl-		238	C17H34	054105-66-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026776.D
Acq On : 18 Aug 2023 17:45
Operator : SY/MD
Sample : 04037-14
Misc : 5.61g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH3

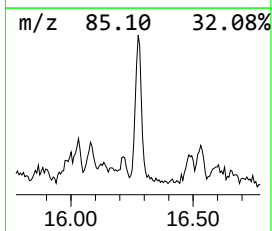
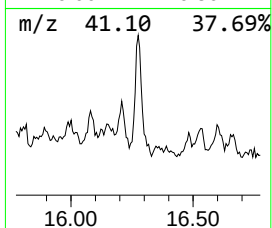
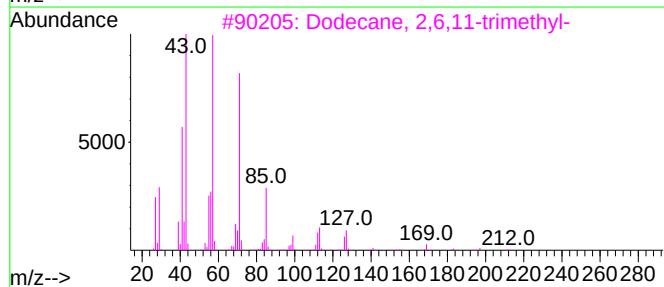
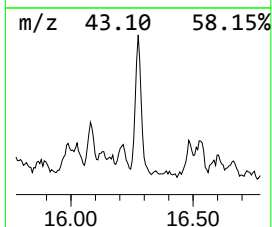
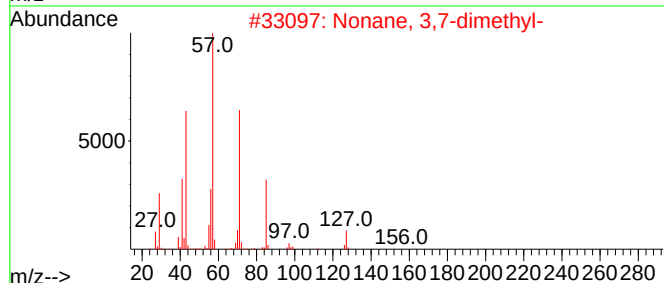
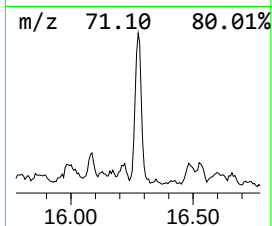
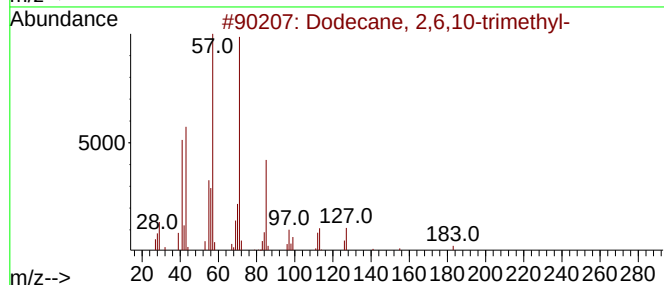
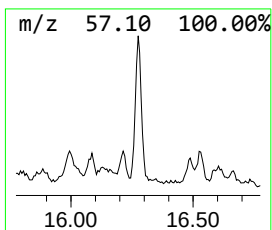
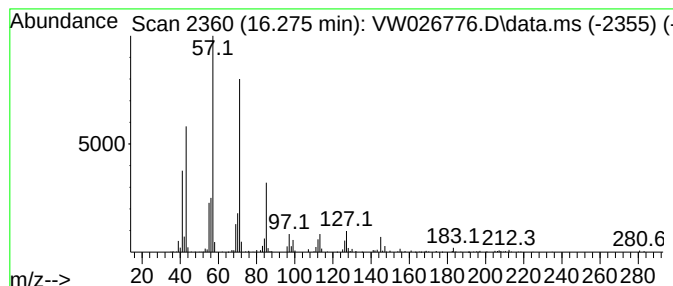
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Quant Title : SFAM01.0

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

Peak Number 66 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.275	7.31 ug/L	274942	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	87
2			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	87
3			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
4			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
5			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
 Data File : VW026776.D
 Acq On : 18 Aug 2023 17:45
 Operator : SY/MD
 Sample : 04037-14
 Misc : 5.61g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EYZH3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.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...	1.960	3.1	ug/L	171505	1	8.843	1392050	25.0
(DEL) Alkane: S...	3.393	2.0	ug/L	112018	1	8.843	1392050	25.0
(DEL) Alkane: S...	5.941	1.6	ug/L	86606	1	8.843	1392050	25.0
(DEL) Alkane: S...	8.032	1.3	ug/L	73938	1	8.843	1392050	25.0
(DEL) Alkane: S...	8.154	2.8	ug/L	156751	1	8.843	1392050	25.0
(DEL) Alkane: C...	8.435	1.8	ug/L	97617	1	8.843	1392050	25.0
(DEL) Alkane: C...	8.575	2.5	ug/L	139353	1	8.843	1392050	25.0
(DEL) Alkane: S...	8.697	1.7	ug/L	96999	1	8.843	1392050	25.0
(DEL) Alkane: C...	9.605	3.2	ug/L	178248	1	8.843	1392050	25.0
(DEL) Alkane: S...	9.752	4.3	ug/L	237470	1	8.843	1392050	25.0
(DEL) Alkane: S...	9.898	1.7	ug/L	92413	1	8.843	1392050	25.0
(DEL) Alkane: S...	9.953	6.8	ug/L	380895	1	8.843	1392050	25.0
(DEL) Alkane: S...	10.093	9.3	ug/L	515482	1	8.843	1392050	25.0
(DEL) Alkane: C...	10.502	9.5	ug/L	544465	2	11.629	1426380	25.0
(DEL) Alkane: C...	10.666	11.1	ug/L	633193	2	11.629	1426380	25.0
(DEL) Alkane: C...	10.758	6.1	ug/L	347061	2	11.629	1426380	25.0
(DEL) Alkane: S...	10.843	2.4	ug/L	138115	2	11.629	1426380	25.0
(DEL) Alkane: S...	11.032	7.0	ug/L	401839	2	11.629	1426380	25.0
(DEL) Alkane: C...	11.105	2.7	ug/L	152251	2	11.629	1426380	25.0
(DEL) Alkane: C...	11.178	15.2	ug/L	864411	2	11.629	1426380	25.0
(DEL) Alkane: C...	11.227	19.2	ug/L	1094740	2	11.629	1426380	25.0
(DEL) Alkane: C...	11.282	1.6	ug/L	91816	2	11.629	1426380	25.0
(DEL) Alkane: S...	11.337	7.3	ug/L	413667	2	11.629	1426380	25.0
(DEL) Alkane: S...	11.404	7.2	ug/L	409668	2	11.629	1426380	25.0
(DEL) Alkane: S...	11.507	9.2	ug/L	526961	2	11.629	1426380	25.0
Pentalene, octa...	11.721	2.6	ug/L	150312	2	11.629	1426380	25.0
(DEL) Alkane: C...	11.764	2.9	ug/L	163019	2	11.629	1426380	25.0
(DEL) Alkane: C...	11.971	4.1	ug/L	235793	2	11.629	1426380	25.0
(DEL) Alkane: S...	12.050	5.2	ug/L	294820	2	11.629	1426380	25.0
(DEL) Alkane: S...	12.251	16.2	ug/L	924199	2	11.629	1426380	25.0
(DEL) Alkane: C...	12.306	5.0	ug/L	285527	2	11.629	1426380	25.0
(DEL) Alkane: S...	12.361	37.3	ug/L	2129270	2	11.629	1426380	25.0
.alpha.-Pinene	12.471	11.0	ug/L	625735	2	11.629	1426380	25.0
unknown-01	12.617	4.2	ug/L	159287	3	13.556	940448	25.0
(DEL) Alkane: C...	12.775	27.7	ug/L	1040790	3	13.556	940448	25.0
unknown-02	12.861	15.7	ug/L	589258	3	13.556	940448	25.0
(DEL) Alkane: C...	13.074	5.5	ug/L	205077	3	13.556	940448	25.0
Semustine	13.117	4.4	ug/L	163985	3	13.556	940448	25.0
(DEL) Alkane: S...	13.160	21.3	ug/L	802239	3	13.556	940448	25.0
unknown-03	13.373	1.8	ug/L	67812	3	13.556	940448	25.0
(DEL) Alkane: C...	13.440	17.6	ug/L	660468	3	13.556	940448	25.0
unknown-04	13.477	5.4	ug/L	202802	3	13.556	940448	25.0
6-Dodecyne	13.623	1.8	ug/L	65998	3	13.556	940448	25.0
(DEL) Alkane: C...	13.696	5.8	ug/L	219165	3	13.556	940448	25.0
Benzene, 1-ethy...	13.788	1.6	ug/L	61864	3	13.556	940448	25.0
unknown-05	14.007	5.8	ug/L	217733	3	13.556	940448	25.0
Benzene, 2-ethy...	14.092	4.8	ug/L	182177	3	13.556	940448	25.0
unknown-06	14.196	8.6	ug/L	324006	3	13.556	940448	25.0
Adamantane	14.257	7.0	ug/L	262516	3	13.556	940448	25.0
Benzene, 4-ethy...	14.336	8.2	ug/L	308460	3	13.556	940448	25.0
Naphthalene, de...	14.379	10.2	ug/L	384232	3	13.556	940448	25.0
1,3-Cyclopentad...	14.415	8.4	ug/L	314742	3	13.556	940448	25.0

p-Cymene	14.452	7.7	ug/L	288521	3	13.556	940448	25.0
Benzene, 2,4-di...	14.495	2.8	ug/L	105376	3	13.556	940448	25.0
1-Methyldecahyd...	14.543	7.7	ug/L	288885	3	13.556	940448	25.0
Cyclopropane, 1...	14.690	1.9	ug/L	70053	3	13.556	940448	25.0
Benzene, (1,1-d...	14.720	5.8	ug/L	216578	3	13.556	940448	25.0
Benzene, 1-ethy...	14.787	16.6	ug/L	623437	3	13.556	940448	25.0
(DEL) Alkane: S...	14.836	10.1	ug/L	378426	3	13.556	940448	25.0
Benzene, 1-ethy...	15.062	13.8	ug/L	519193	3	13.556	940448	25.0
Benzene, (2-met...	15.165	11.2	ug/L	420967	3	13.556	940448	25.0
(DEL) Alkane: S...	15.318	11.0	ug/L	414276	3	13.556	940448	25.0
(DEL) Alkane: S...	15.726	3.5	ug/L	131430	3	13.556	940448	25.0
(DEL) Alkane: C...	16.208	1.9	ug/L	72675	3	13.556	940448	25.0
(DEL) Alkane: S...	16.275	7.3	ug/L	274942	3	13.556	940448	25.0

Instrument :

MSVOA_W

ClientSampleId :

EZYH3