

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
 Data File : VW030178.D
 Acq On : 20 Sep 2024 16:26
 Operator : SY/MD
 Sample : P4109-14
 Misc : 5.10g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4ET6

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\SFAMWLM091624SMA.M

Title : SFAM01.0

Signal : TIC: VW030178.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.174	41	47	48	rBV5	2262	3476	0.18%	0.029%
2	2.204	48	52	56	rVV6	1432	4144	0.21%	0.035%
3	2.363	70	78	99	rBV	65693	168321	8.61%	1.417%
4	2.661	124	127	129	rBV3	1278	1762	0.09%	0.015%
5	2.777	144	146	148	rBV2	1253	963	0.05%	0.008%
6	2.808	148	151	156	rVV4	1537	2655	0.14%	0.022%
7	2.893	158	165	185	rVV	53643	160950	8.23%	1.355%
8	3.021	185	186	191	rVB5	1143	1170	0.06%	0.010%
9	3.204	214	216	223	rVB7	744	1566	0.08%	0.013%
10	3.283	227	229	231	rBV3	587	651	0.03%	0.005%
11	3.393	240	247	254	rBV2	3515	8209	0.42%	0.069%
12	3.448	254	256	261	rVB4	512	703	0.04%	0.006%
13	3.606	278	282	287	rBV5	437	595	0.03%	0.005%
14	3.747	295	305	307	rBV6	719	1898	0.10%	0.016%
15	4.021	338	350	366	rBV	132412	411473	21.05%	3.465%
16	4.131	366	368	375	rVV3	4439	10520	0.54%	0.089%
17	4.210	375	381	395	rVB3	6372	18407	0.94%	0.155%
18	4.624	441	449	452	rBV4	1492	4008	0.20%	0.034%
19	4.923	487	498	510	rVV4	4291	15980	0.82%	0.135%
20	5.021	510	514	517	rVB4	429	716	0.04%	0.006%
21	5.783	630	639	648	rBV3	2199	7032	0.36%	0.059%
22	5.941	656	665	677	rVB4	2793	8743	0.45%	0.074%
23	6.277	715	720	721	rBV2	476	590	0.03%	0.005%
24	6.905	812	823	837	rBV2	10184	33455	1.71%	0.282%
25	7.087	844	853	856	rBV3	10599	27360	1.40%	0.230%
26	7.136	859	861	880	rVB2	13241	35989	1.84%	0.303%
27	7.648	934	945	959	rBV	195169	488714	25.00%	4.115%
28	7.758	962	963	970	rVB4	507	932	0.05%	0.008%
29	8.276	1035	1048	1067	rBV2	394855	1173619	60.03%	9.882%
30	8.404	1067	1069	1074	rVB5	549	737	0.04%	0.006%
31	8.691	1111	1116	1122	rBV5	1402	2861	0.15%	0.024%
32	8.734	1122	1123	1128	rVB3	388	517	0.03%	0.004%
33	8.843	1131	1141	1157	rBV	568097	1141933	58.41%	9.615%
34	9.044	1168	1174	1178	rBV4	2966	6754	0.35%	0.057%
35	9.270	1201	1211	1228	rBV	249863	522497	26.72%	4.399%
36	9.386	1228	1230	1234	rVB3	429	551	0.03%	0.005%

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
 Title : SFAM01.0

37	9.422	1234	1236	1244	rVB6	411	670	0.03%	0.006%
38	9.666	1270	1276	1282	rBV6	1078	2605	0.13%	0.022%
39	9.715	1282	1284	1286	rBV2	488	582	0.03%	0.005%
40	9.886	1309	1312	1316	rVB5	824	1055	0.05%	0.009%
41	9.959	1319	1324	1326	rBV5	896	1573	0.08%	0.013%
42	10.032	1329	1336	1345	rBV	44327	82800	4.23%	0.697%
43	10.130	1348	1352	1358	rVB5	1344	2214	0.11%	0.019%
44	10.215	1364	1366	1368	rBV3	737	707	0.04%	0.006%
45	10.319	1375	1383	1391	rBV	449171	815242	41.70%	6.864%
46	10.380	1391	1393	1400	rVB2	4833	8575	0.44%	0.072%
47	10.501	1406	1413	1418	rBV5	1775	3770	0.19%	0.032%
48	10.575	1418	1425	1435	rVB	29864	53693	2.75%	0.452%
49	10.703	1440	1446	1452	rBV2	10228	19188	0.98%	0.162%
50	10.776	1457	1458	1466	rVB6	587	640	0.03%	0.005%
51	10.861	1466	1472	1476	rBV7	1388	3065	0.16%	0.026%
52	10.928	1476	1483	1497	rBV5	51590	153905	7.87%	1.296%
53	11.026	1497	1499	1501	rBV3	944	608	0.03%	0.005%
54	11.075	1504	1507	1510	rVB4	1238	1512	0.08%	0.013%
55	11.117	1513	1514	1516	rBV2	875	546	0.03%	0.005%
56	11.142	1516	1518	1519	rBV2	1521	1444	0.07%	0.012%
57	11.337	1544	1550	1551	rBV5	1546	2672	0.14%	0.022%
58	11.471	1568	1572	1575	rVV3	4954	7423	0.38%	0.063%
59	11.501	1575	1577	1583	rVB5	2714	4048	0.21%	0.034%
60	11.629	1588	1598	1608	rBV	500411	859274	43.95%	7.235%
61	11.709	1608	1611	1619	rVB3	3941	8194	0.42%	0.069%
62	11.782	1622	1623	1624	rBV	1061	580	0.03%	0.005%
63	11.837	1625	1632	1642	rBV4	18167	42451	2.17%	0.357%
64	12.050	1665	1667	1668	rBV2	1096	983	0.05%	0.008%
65	12.135	1677	1681	1683	rBV3	3879	6647	0.34%	0.056%
66	12.166	1683	1686	1692	rVB5	5330	8455	0.43%	0.071%
67	12.251	1696	1700	1704	rBV4	5153	8132	0.42%	0.068%
68	12.361	1707	1718	1724	rBV4	12875	46656	2.39%	0.393%
69	12.465	1732	1735	1741	rVB5	8419	14596	0.75%	0.123%
70	12.519	1741	1744	1745	rBV3	1706	1702	0.09%	0.014%
71	12.568	1749	1752	1753	rVV2	4131	5231	0.27%	0.044%
72	12.599	1753	1757	1762	rVB3	13316	22523	1.15%	0.190%
73	12.647	1762	1765	1766	rBV2	3504	4005	0.20%	0.034%
74	12.690	1766	1772	1778	rVB	116154	185970	9.51%	1.566%
75	12.928	1807	1811	1817	rVB2	36510	60507	3.09%	0.509%
76	13.032	1821	1828	1836	rVB	89600	163560	8.37%	1.377%

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 Title : SFAM01.0

77	13.160	1846	1849	1851	rBV3	9277	12348	0.63%	0.104%
78	13.275	1851	1868	1882	rVV2	572540	1955191	100.00%	16.463%
79	13.403	1886	1889	1891	rBV2	10513	13154	0.67%	0.111%
80	13.556	1908	1914	1925	rBV	214361	392863	20.09%	3.308%
81	13.641	1925	1928	1933	rVB	25880	38697	1.98%	0.326%
82	13.757	1943	1947	1949	rBV4	6596	10474	0.54%	0.088%
83	13.848	1956	1962	1968	rBV2	128000	246610	12.61%	2.076%
84	14.050	1984	1995	2012	rVB	107897	263004	13.45%	2.214%
85	14.190	2015	2018	2019	rBV2	5844	6164	0.32%	0.052%
86	14.257	2023	2029	2037	rVV10	13012	40653	2.08%	0.342%
87	14.452	2048	2061	2070	rBV2	142576	467376	23.90%	3.935%
88	14.629	2084	2090	2099	rBV10	22351	63108	3.23%	0.531%
89	14.720	2101	2105	2106	rBV4	14163	18813	0.96%	0.158%
90	15.043	2148	2158	2165	rBV3	36332	136683	6.99%	1.151%
91	15.123	2166	2171	2174	rBV4	47026	90408	4.62%	0.761%
92	15.330	2200	2205	2206	rBV5	8041	14028	0.72%	0.118%
93	15.360	2206	2210	2214	rVV	12266	20670	1.06%	0.174%
94	15.464	2218	2227	2235	rVB7	64896	199881	10.22%	1.683%
95	15.549	2236	2241	2242	rBV2	18706	30732	1.57%	0.259%
96	15.811	2279	2284	2288	rVB6	25009	44275	2.26%	0.373%
97	15.897	2288	2298	2311	rBV2	226605	768658	39.31%	6.472%
98	16.092	2322	2330	2335	rBV4	23901	76028	3.89%	0.640%
99	16.311	2358	2366	2372	rBV8	13365	45412	2.32%	0.382%
100	16.525	2397	2401	2408	rVB5	21379	42774	2.19%	0.360%

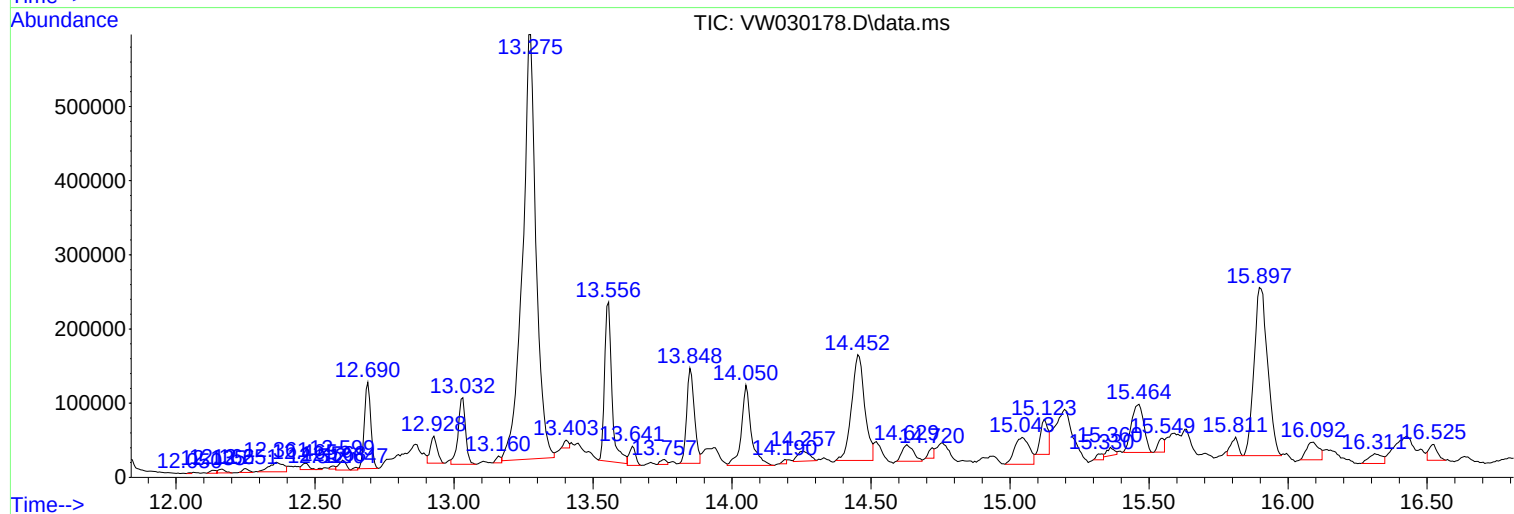
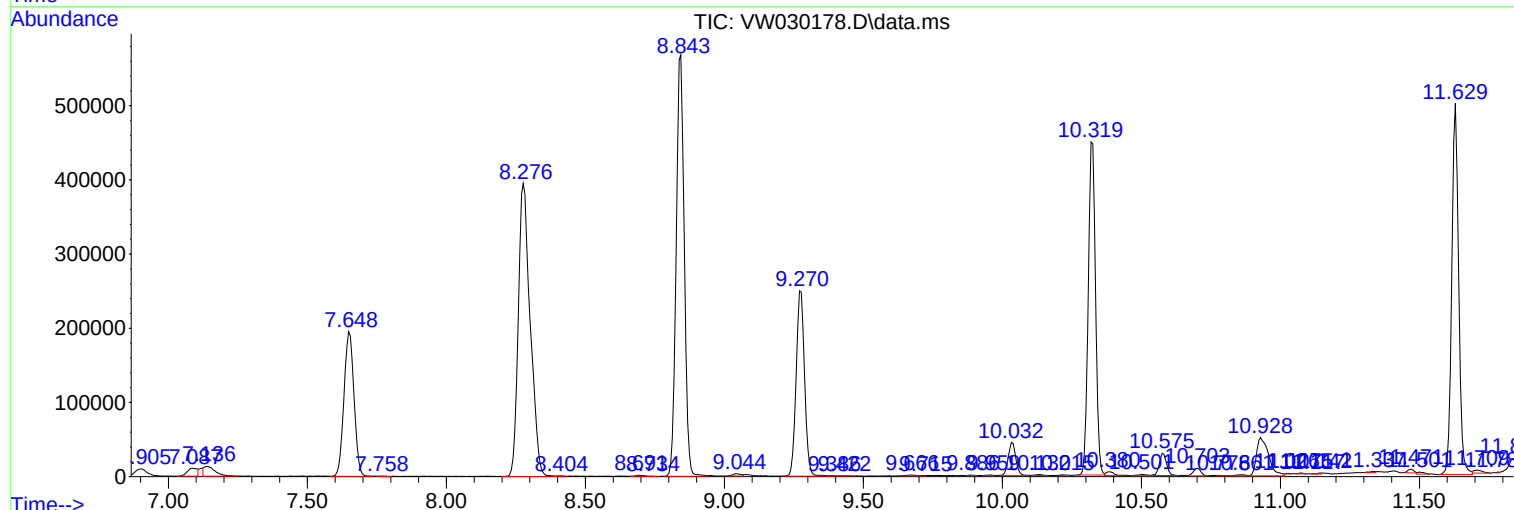
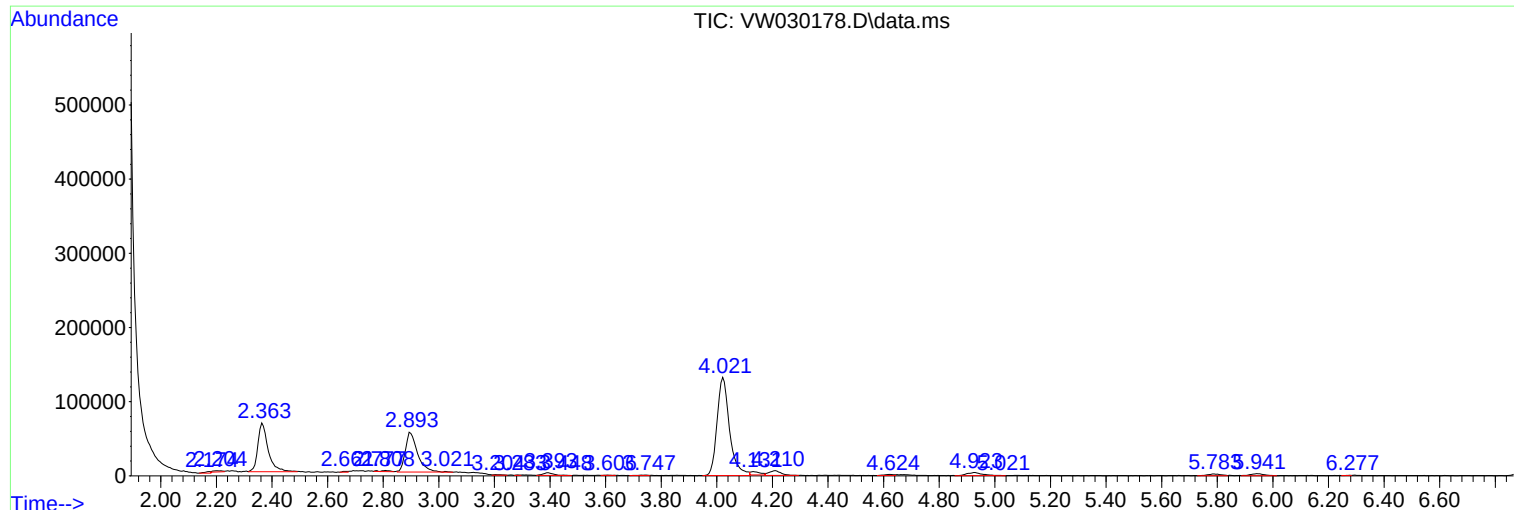
Sum of corrected areas: 11876458

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MSVOA_W
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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



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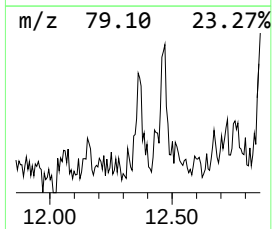
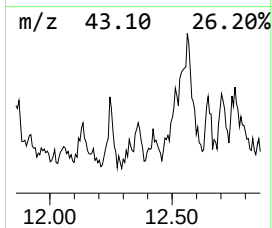
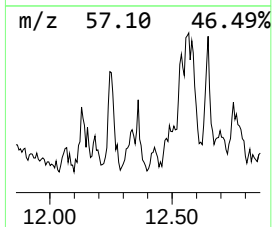
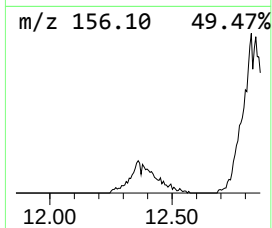
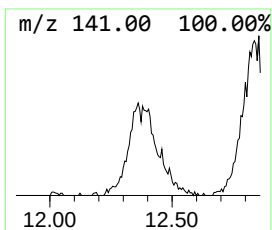
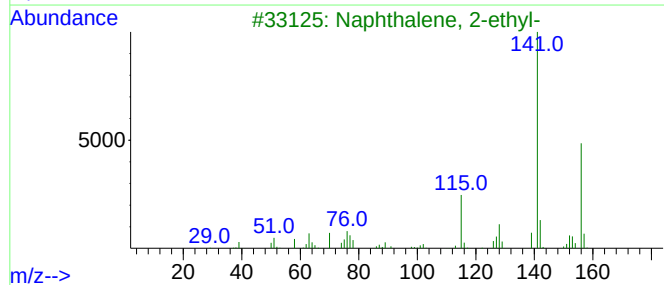
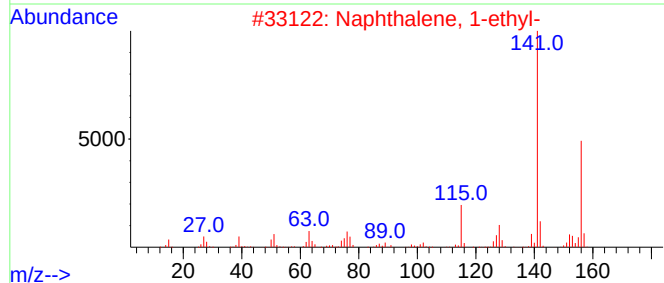
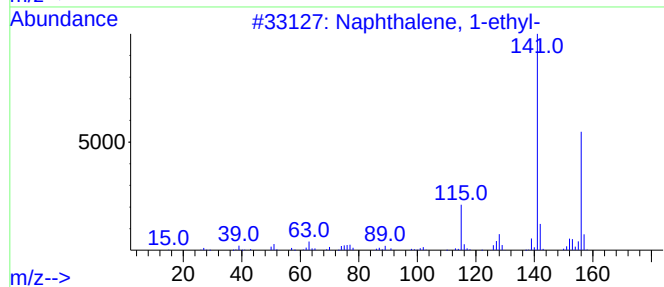
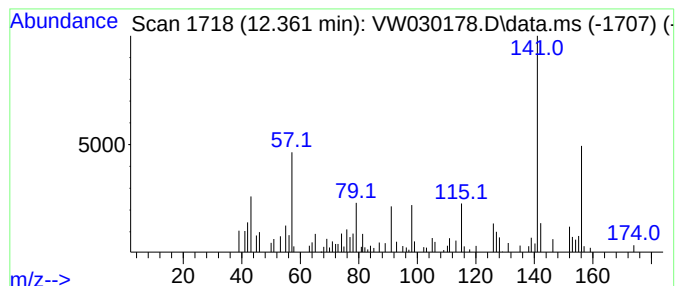
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.361	1.36 ug/L	46656	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	64
2			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	62
3			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	62
4			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	58
5			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	58



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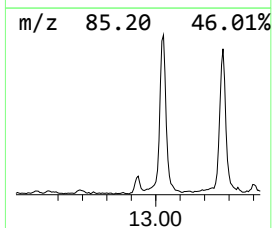
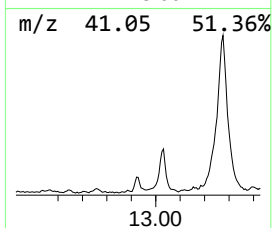
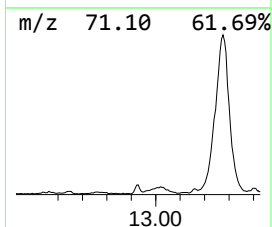
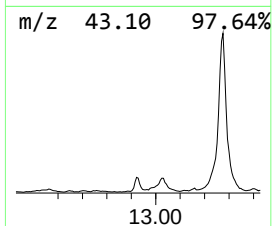
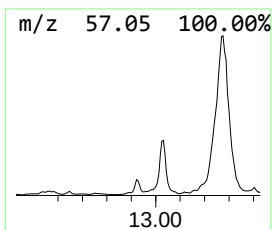
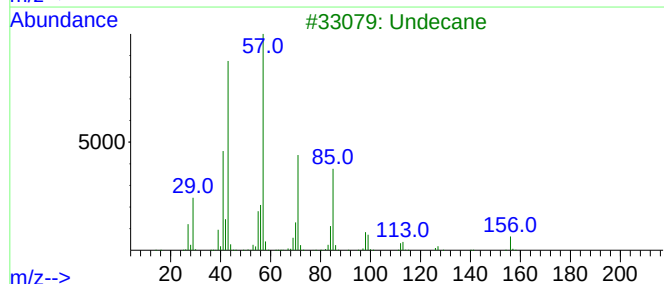
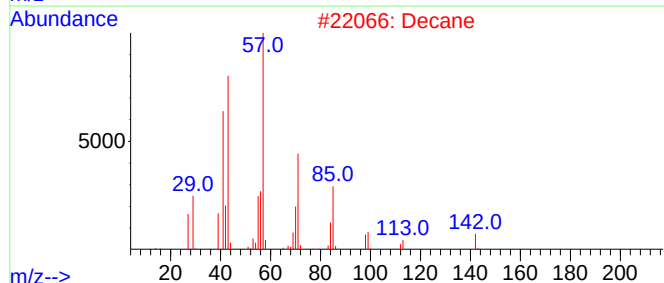
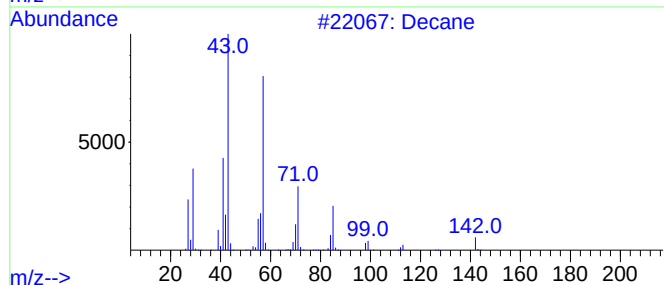
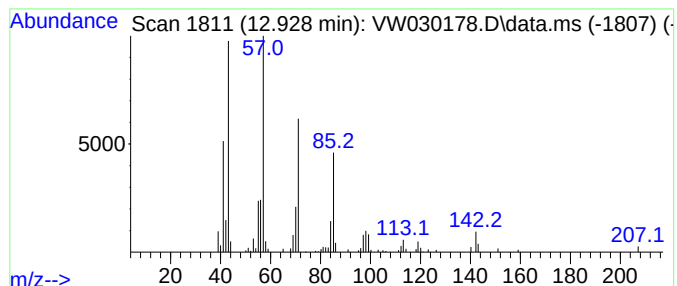
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.928	3.85 ug/L	60507	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane	142	C10H22	000124-18-5	91
2			Decane	142	C10H22	000124-18-5	81
3			Undecane	156	C11H24	001120-21-4	72
4			Tridecane	184	C13H28	000629-50-5	64
5			Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	64



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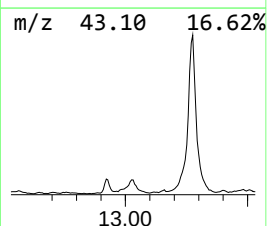
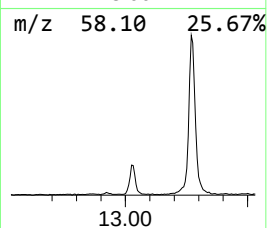
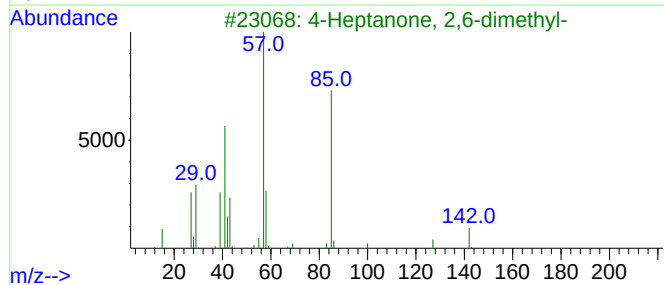
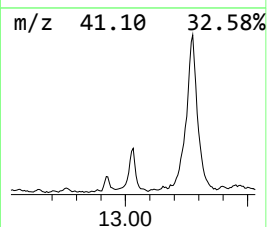
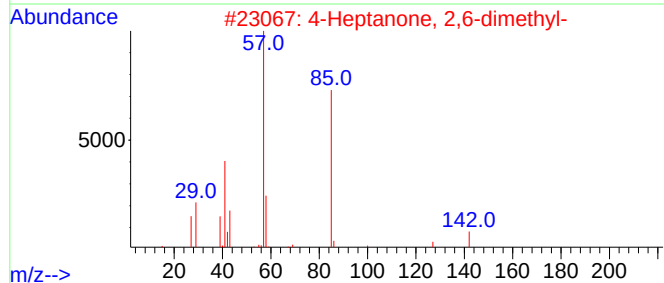
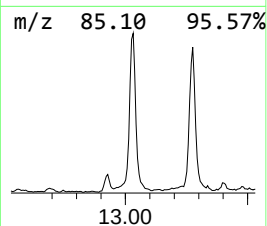
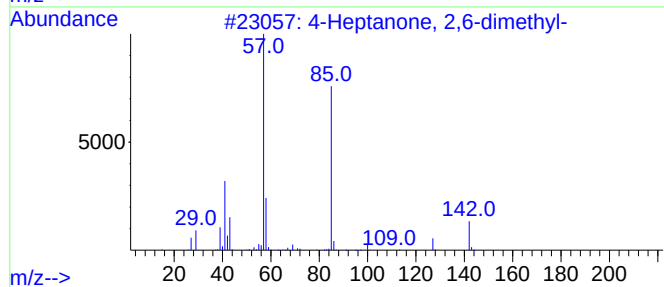
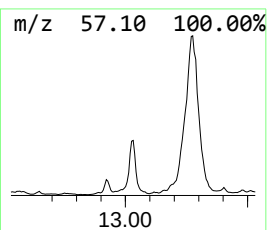
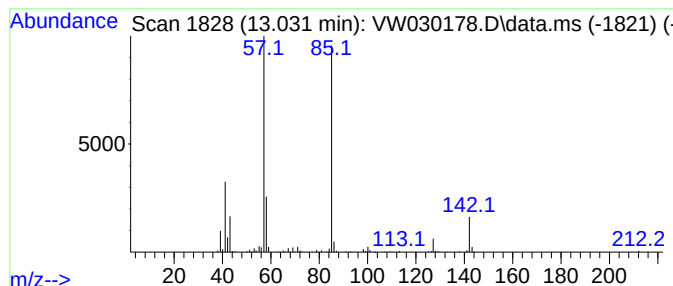
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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

Peak Number 5 4-Heptanone, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.031	10.41 ug/L	163560	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	91
2			4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	91
3			4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	74
4			4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	70
5			5-Nonanone	142	C9H18O	000502-56-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030178.D
Acq On : 20 Sep 2024 16:26
Operator : SY/MD
Sample : P4109-14
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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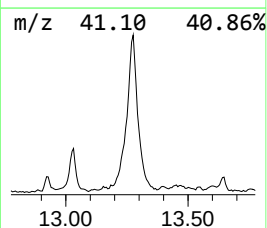
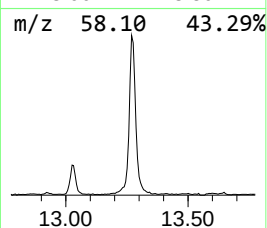
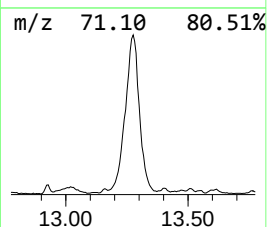
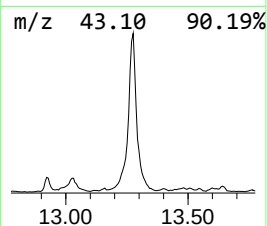
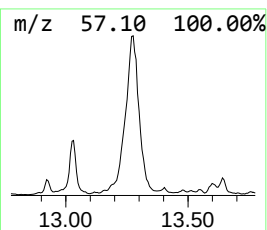
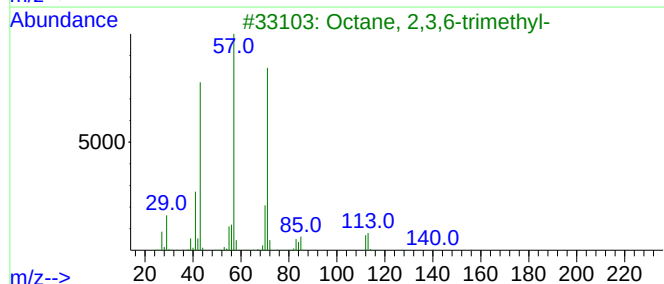
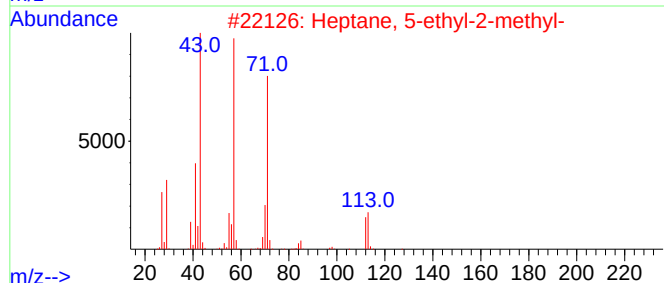
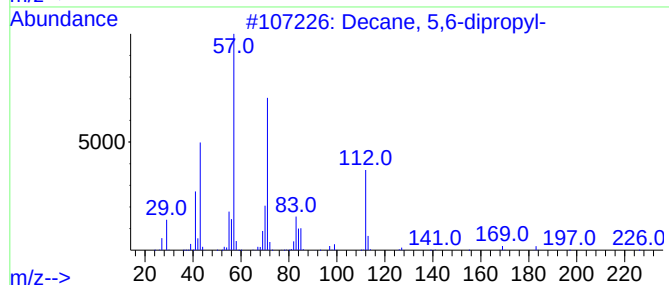
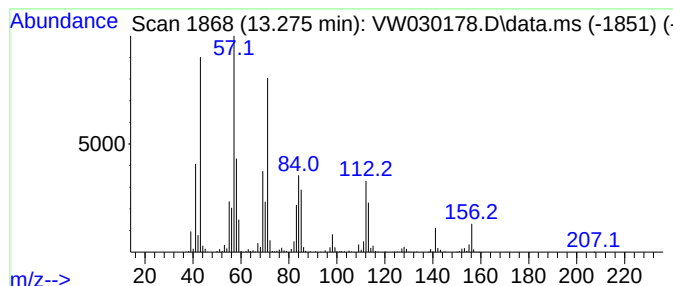
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.275	124.42 ug/L	1955190	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	43
2			Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	43
3			Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	43
4			Octane, 3-ethyl-	142	C10H22	005881-17-4	38
5			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030178.D
Acq On : 20 Sep 2024 16:26
Operator : SY/MD
Sample : P4109-14
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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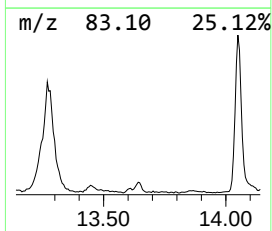
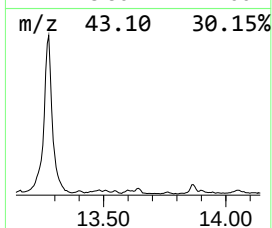
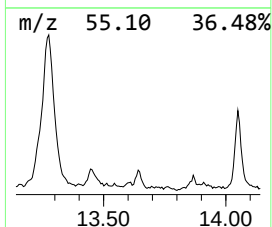
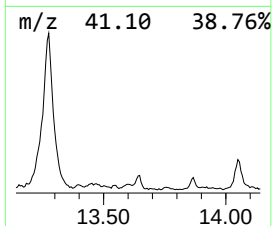
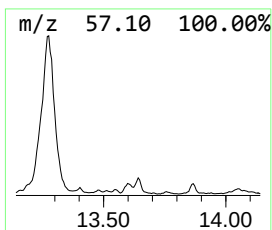
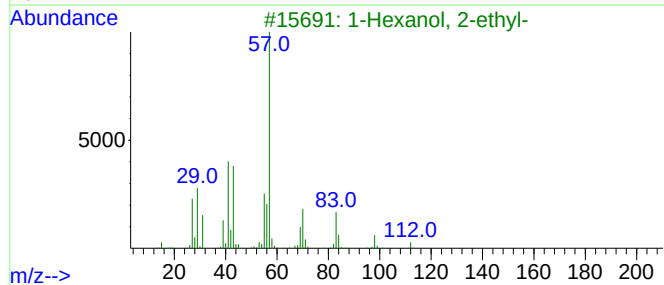
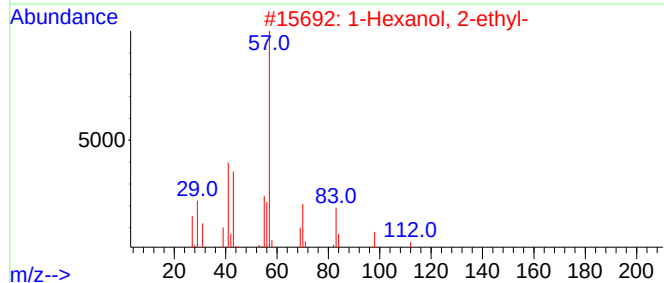
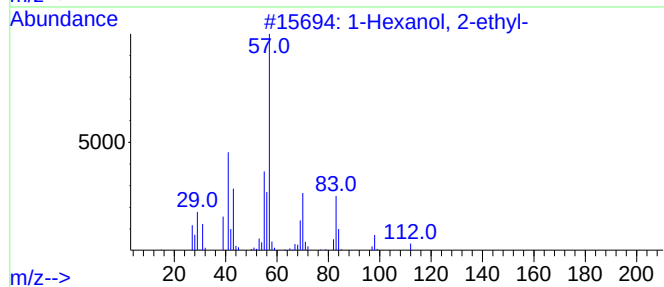
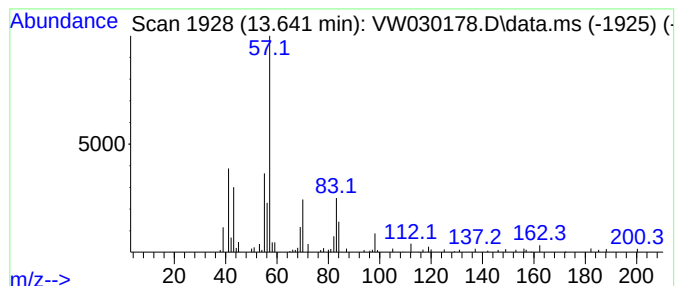
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Quant Title : SFAM01.0

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

Peak Number 7 1-Hexanol, 2-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.641	2.46 ug/L	38697	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-			130	C8H18O	000104-76-7	83
2	1-Hexanol, 2-ethyl-			130	C8H18O	000104-76-7	78
3	1-Hexanol, 2-ethyl-			130	C8H18O	000104-76-7	72
4	1-Hexanol, 2-ethyl-			130	C8H18O	000104-76-7	72
5	1-Hexanol, 2-ethyl-			130	C8H18O	000104-76-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030178.D
Acq On : 20 Sep 2024 16:26
Operator : SY/MD
Sample : P4109-14
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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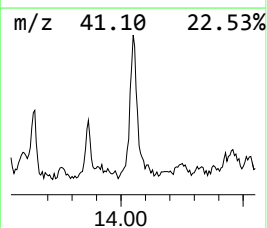
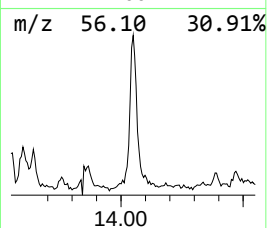
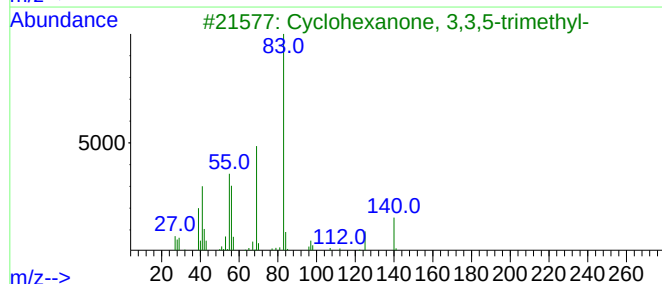
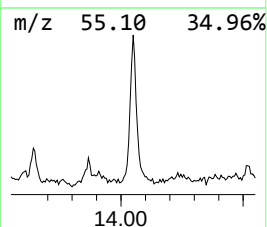
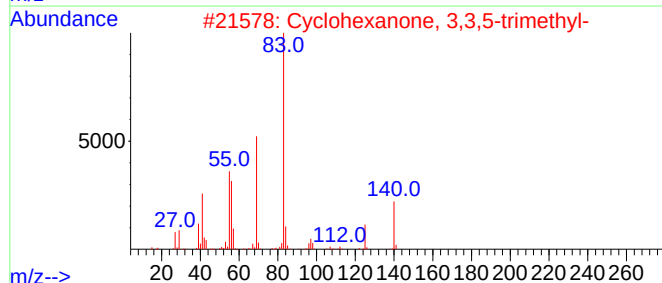
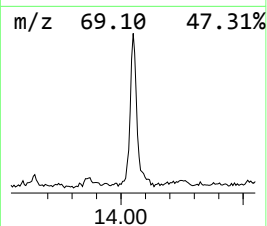
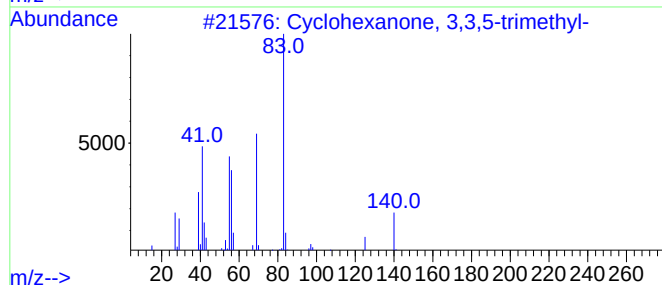
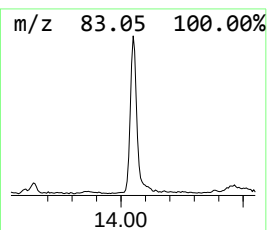
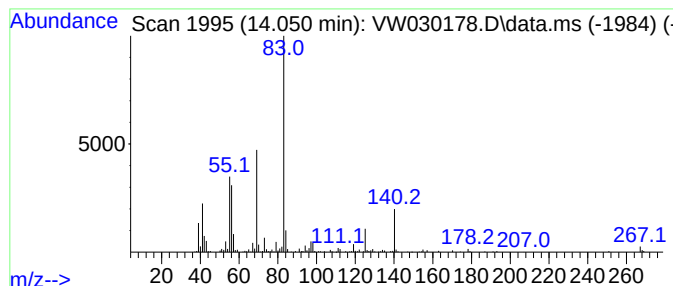
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Quant Title : SFAM01.0

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

Peak Number 8 Cyclohexanone, 3,3,5-trimet... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.050	16.74 ug/L	263004	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	91
2			Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	91
3			Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	90
4			Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	87
5			1-Methyl-1H-1,2,4-triazole	83	C3H5N3	006086-21-1	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030178.D
Acq On : 20 Sep 2024 16:26
Operator : SY/MD
Sample : P4109-14
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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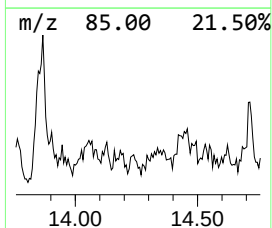
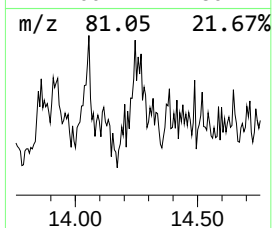
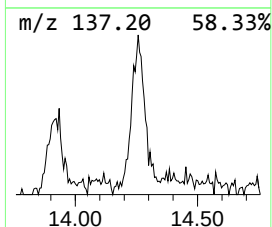
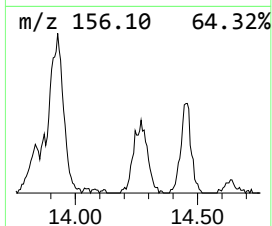
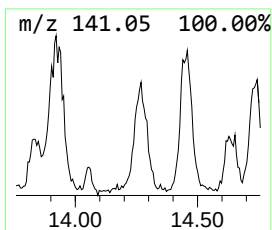
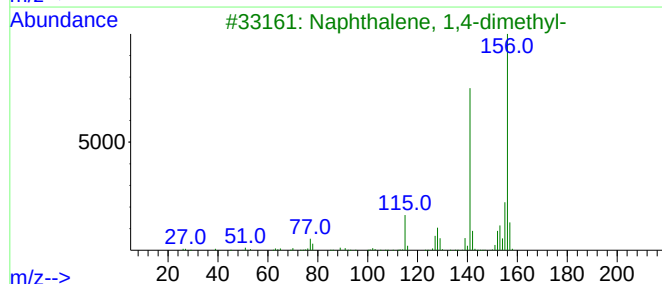
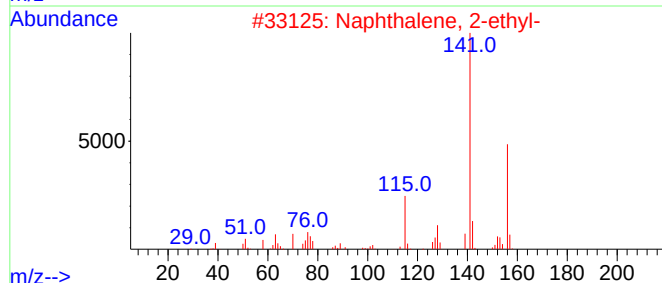
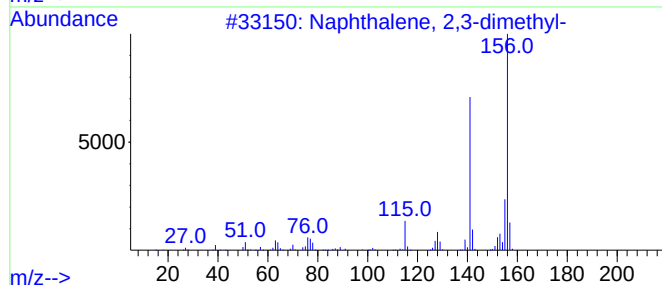
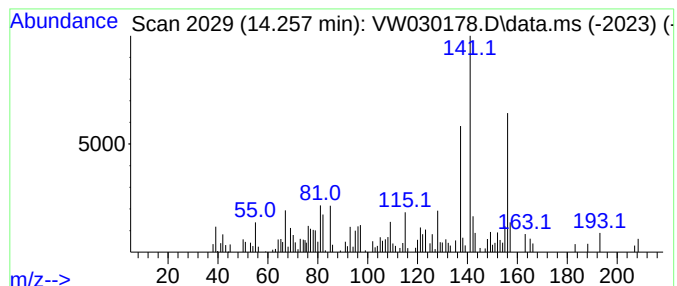
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Quant Title : SFAM01.0

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

Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.257	2.59 ug/L	40653	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	58
2			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	49
3			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	49
4			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	46
5			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030178.D
Acq On : 20 Sep 2024 16:26
Operator : SY/MD
Sample : P4109-14
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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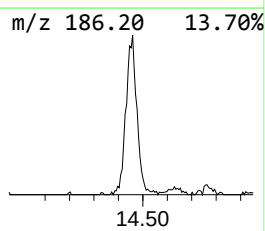
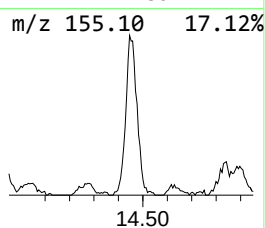
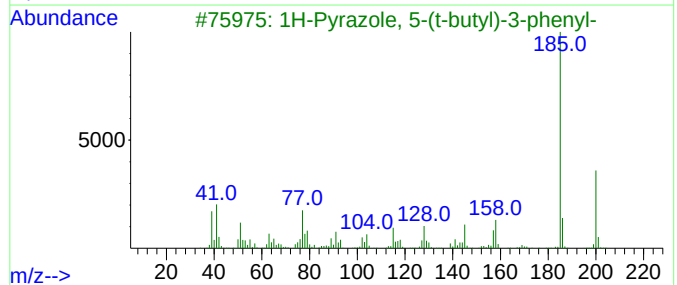
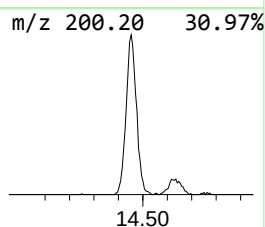
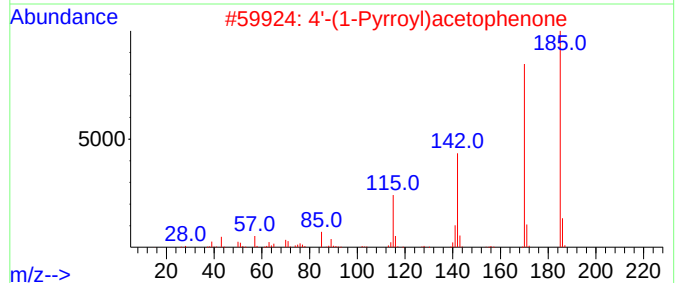
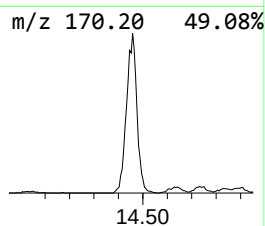
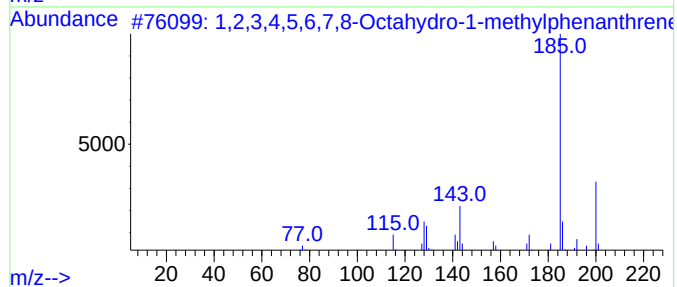
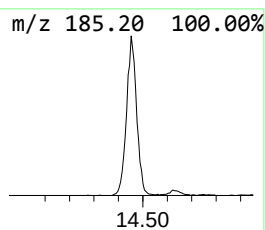
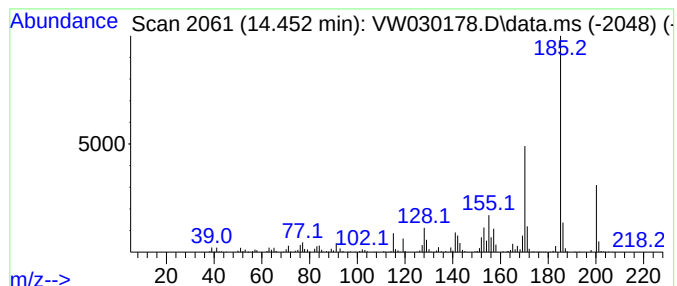
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Quant Title : SFAM01.0

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

Peak Number 10 1,2,3,4,5,6,7,8-Octahydro-1... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.452	29.74 ug/L	467376	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,3,4,5,6,7,8-Octahydro-1-meth...	200	C15H20	1000080-19-4	53		
2	4'-(1-Pyrrolyl)acetophenone	185	C12H11NO	022106-37-2	50		
3	1H-Pyrazole, 5-(t-butyl)-3-phenyl-	200	C13H16N2	1000261-34-8	49		
4	Ethanone, 1-(6-methoxy-1-naphtha...	200	C13H12O2	058149-89-6	49		
5	Pyridine, 4-[4-methoxyphenyl]-	185	C12H11NO	005938-16-9	47		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030178.D
Acq On : 20 Sep 2024 16:26
Operator : SY/MD
Sample : P4109-14
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

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ClientSampleId :
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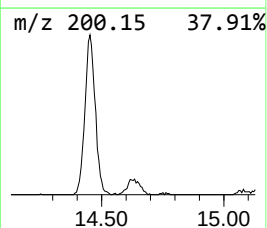
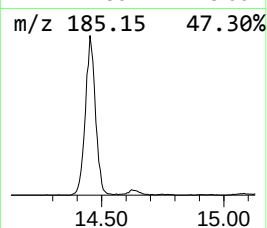
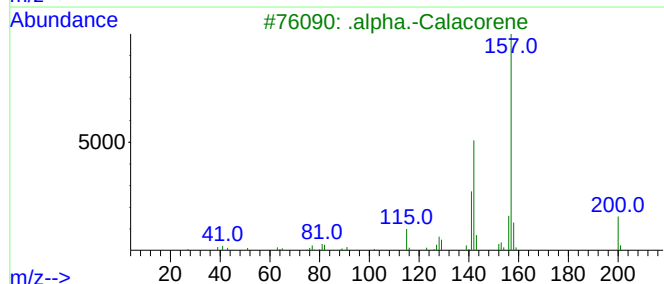
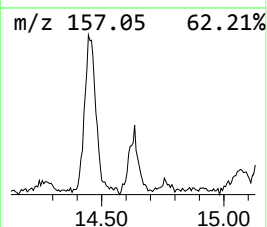
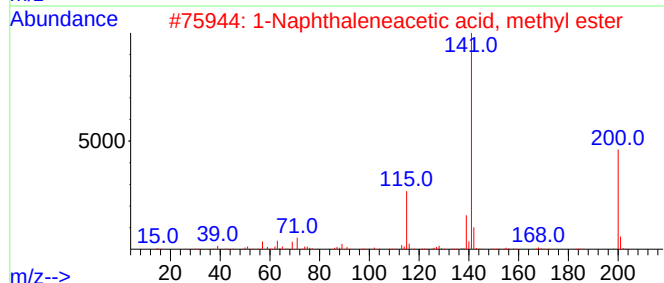
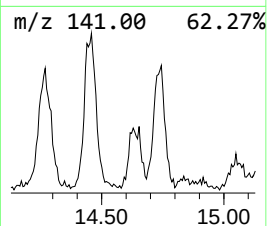
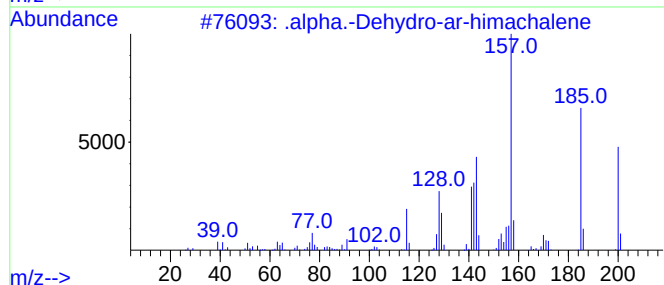
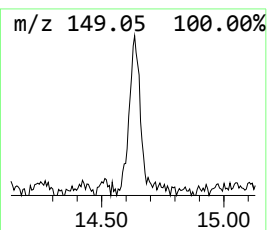
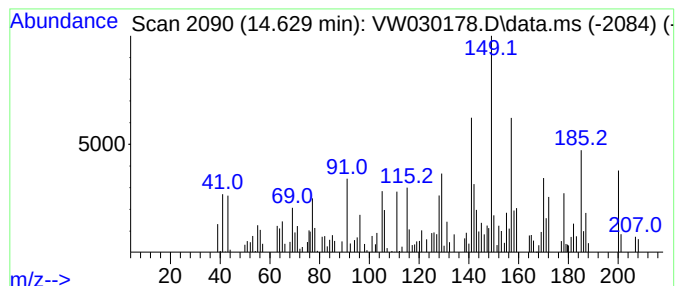
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Quant Title : SFAM01.0

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

Peak Number 11 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.629	4.02 ug/L	63108	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	.	alpha.-Dehydro-ar-himachalene	200	C15H20	078204-62-3	46	
2	1-Naphthaleneacetic acid, methyl...	200	C13H12O2	002876-78-0	25		
3	.	alpha.-Calacorene	200	C15H20	021391-99-1	25	
4	Spiro[cyclopentadiene-1,2'-dihyd...	185	C12H11NO	1010128-69-7	25		
5	3-Thienylmethanamine, TMS deriva...	185	C8H15NSSi	1000479-90-1	22		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030178.D
Acq On : 20 Sep 2024 16:26
Operator : SY/MD
Sample : P4109-14
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

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ClientSampleId :
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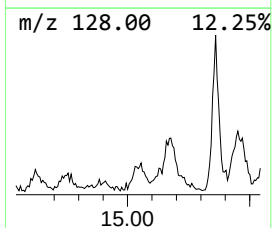
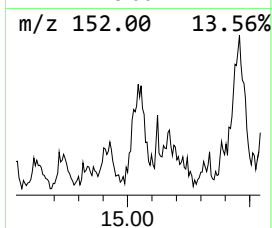
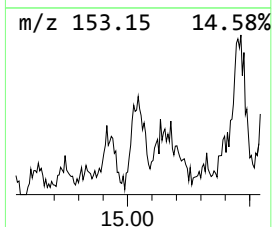
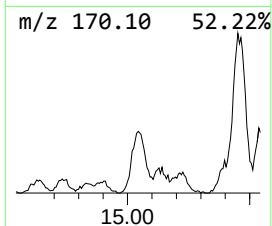
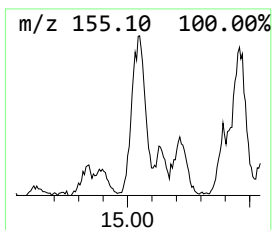
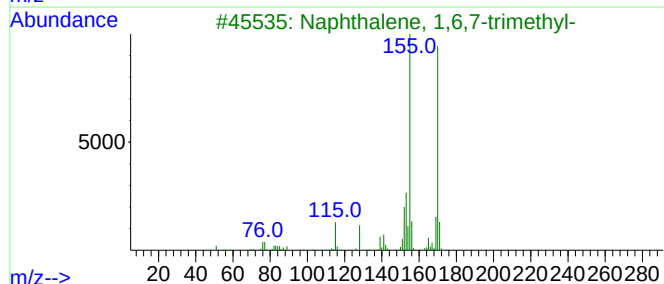
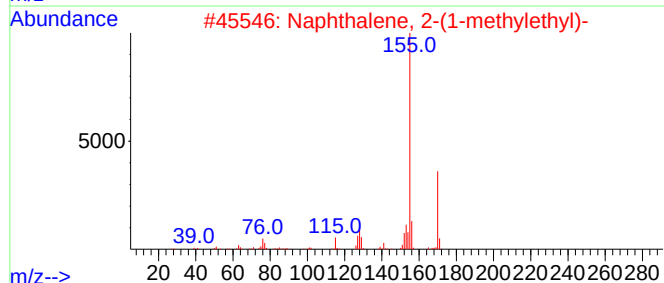
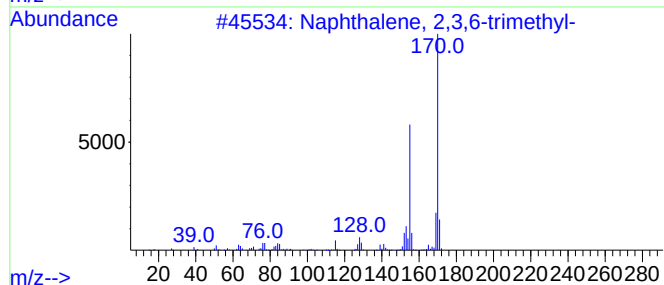
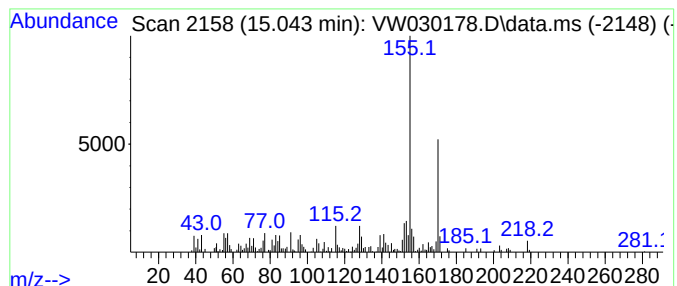
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Quant Title : SFAM01.0

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

Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.043	8.70 ug/L	136683	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90
2			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	87
3			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
4			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	86
5			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030178.D
Acq On : 20 Sep 2024 16:26
Operator : SY/MD
Sample : P4109-14
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4ET6

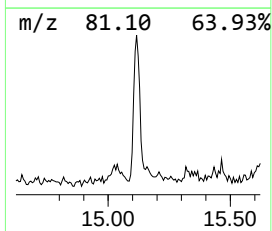
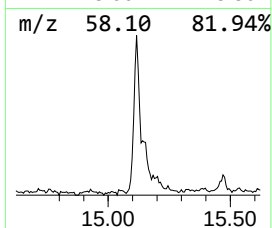
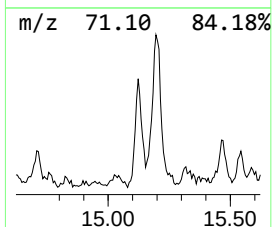
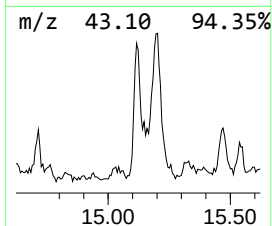
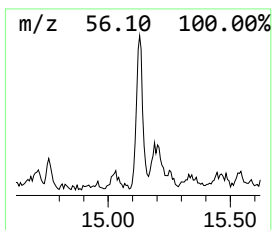
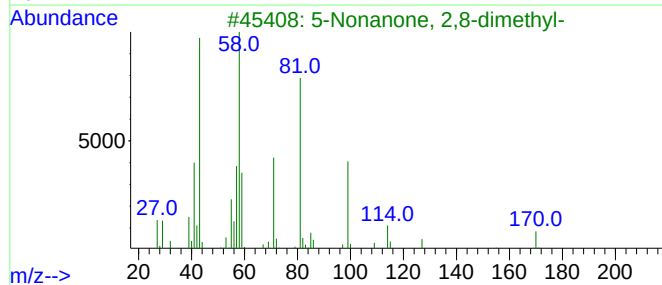
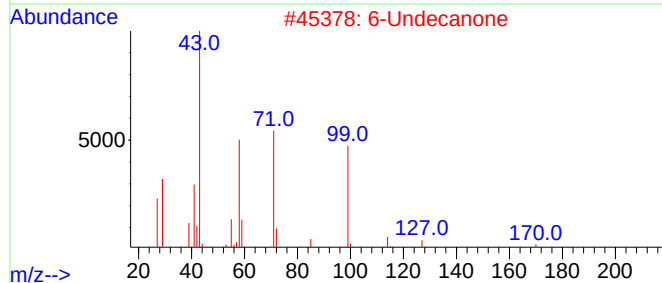
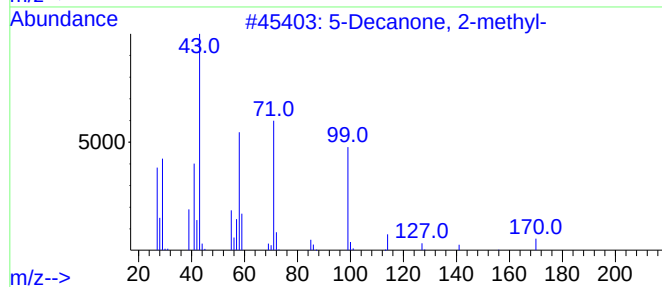
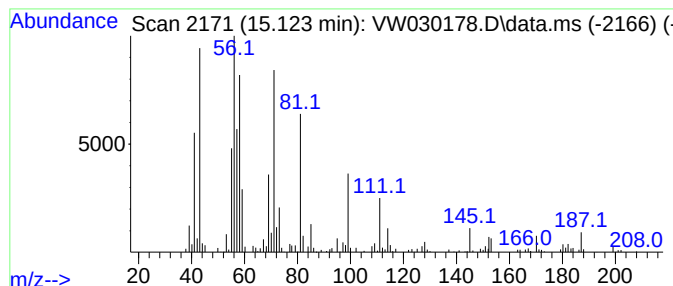
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 unknown-02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.123	5.75 ug/L	90408	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Decanone, 2-methyl-	170	C11H22O	054410-89-8	46
2			6-Undecanone	170	C11H22O	000927-49-1	43
3			5-Nonanone, 2,8-dimethyl-	170	C11H22O	002050-99-9	38
4			Isobutyl S-2-dimethylaminoethyl ...	239	C9H22N02PS	056217-65-3	35
5			6-Undecanone	170	C11H22O	000927-49-1	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030178.D
Acq On : 20 Sep 2024 16:26
Operator : SY/MD
Sample : P4109-14
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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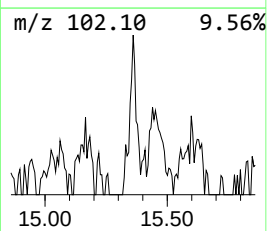
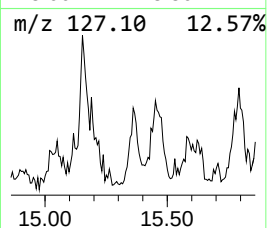
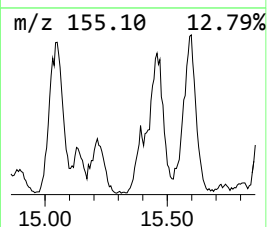
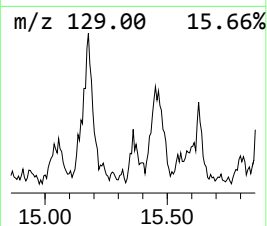
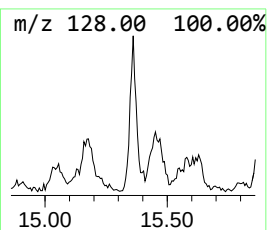
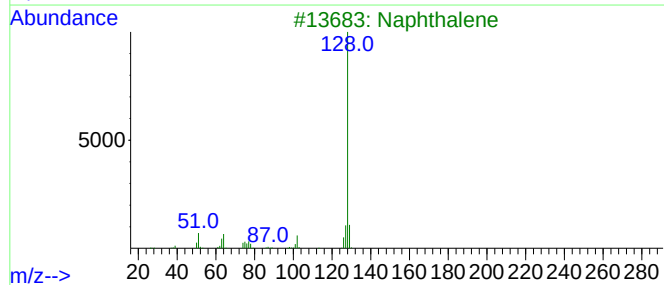
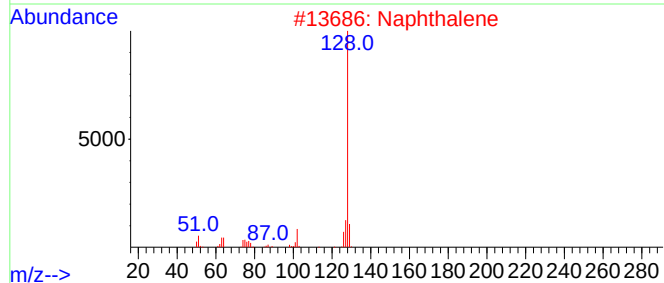
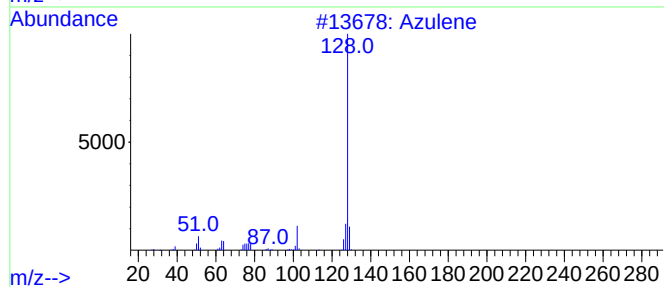
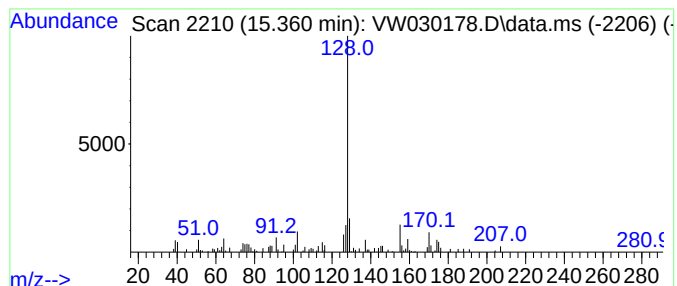
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Quant Title : SFAM01.0

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

Peak Number 14 Azulene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.360	1.32 ug/L	20670	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Azulene	128	C10H8	000275-51-4	76
2			Naphthalene	128	C10H8	000091-20-3	76
3			Naphthalene	128	C10H8	000091-20-3	68
4			Naphthalene	128	C10H8	000091-20-3	68
5			Azulene	128	C10H8	000275-51-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030178.D
Acq On : 20 Sep 2024 16:26
Operator : SY/MD
Sample : P4109-14
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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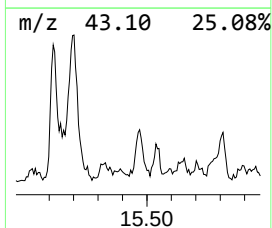
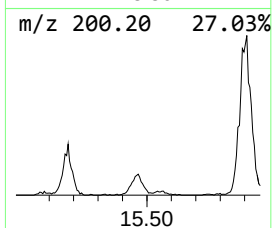
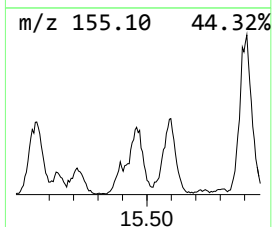
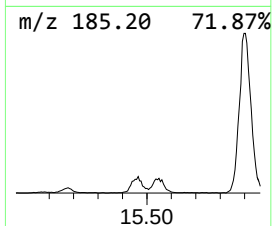
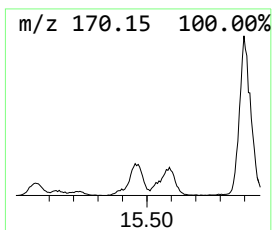
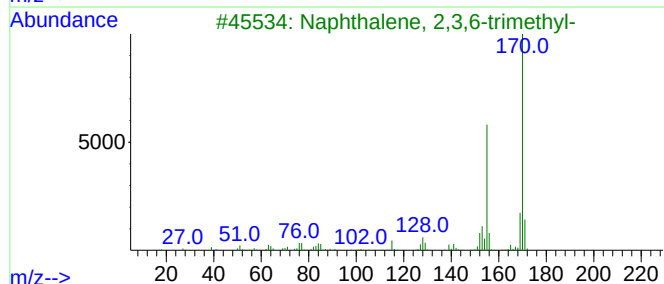
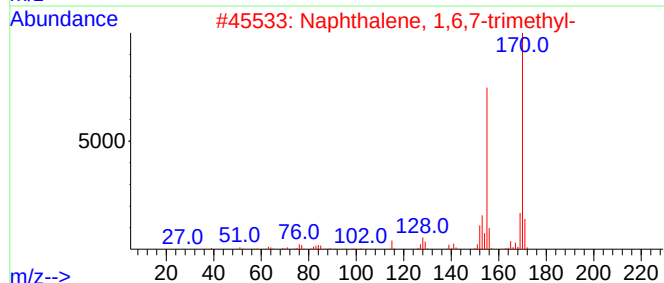
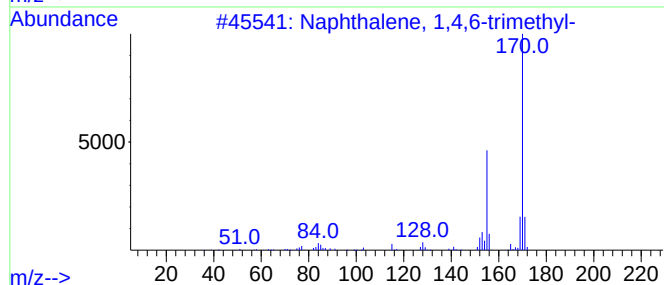
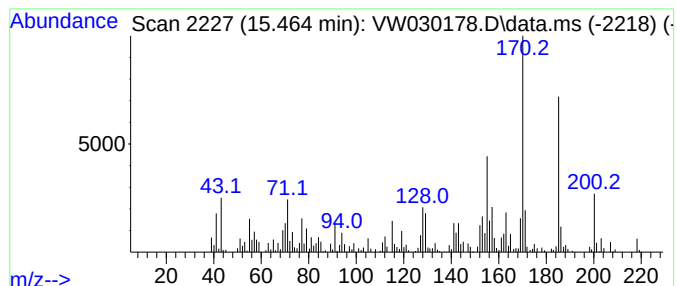
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Quant Title : SFAM01.0

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

Peak Number 15 Naphthalene, 1,4,6-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.464	12.72 ug/L	199881	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	83
2			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	64
3			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	64
4			4,6,8-Trimethylazulene	170	C13H14	000941-81-1	53
5			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030178.D
Acq On : 20 Sep 2024 16:26
Operator : SY/MD
Sample : P4109-14
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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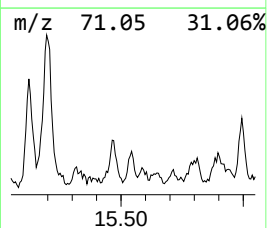
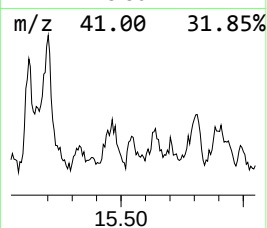
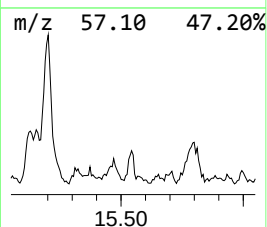
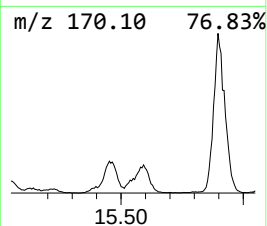
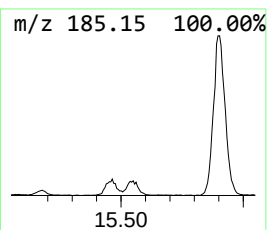
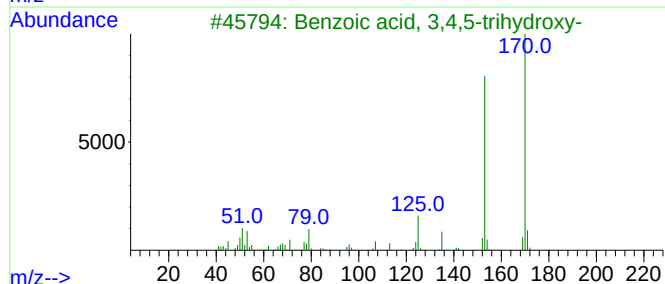
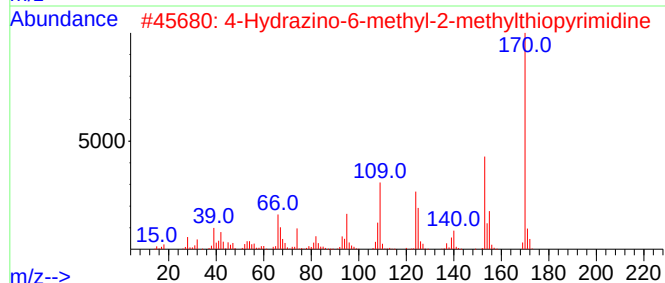
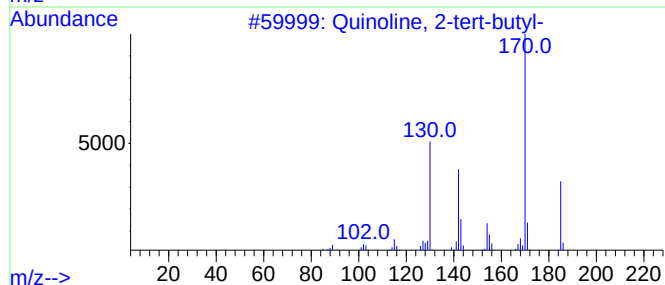
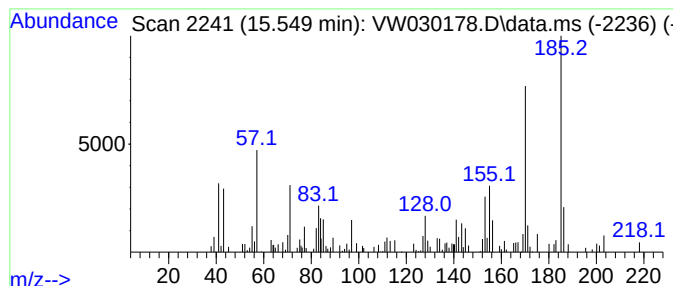
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Quant Title : SFAM01.0

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

Peak Number 16 Quinoline, 2-tert-butyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.549	1.96 ug/L	30732	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Quinoline, 2-tert-butyl-	185	C13H15N	022493-94-3	53
2			4-Hydrazino-6-methyl-2-methylthi...	170	C6H10N4S	001980-54-7	35
3			Benzoic acid, 3,4,5-trihydroxy-	170	C7H6O5	000149-91-7	30
4			2,3-Dihydro-6-methylfuro(2,3-b)q...	185	C12H11NO	064124-83-0	27
5			4,6,8-Trimethylazulene	170	C13H14	000941-81-1	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030178.D
Acq On : 20 Sep 2024 16:26
Operator : SY/MD
Sample : P4109-14
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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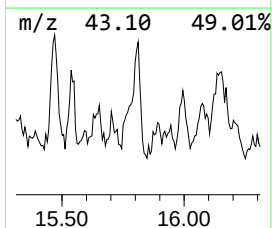
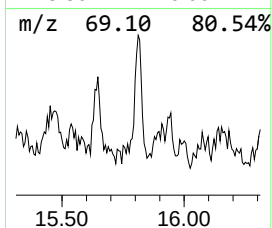
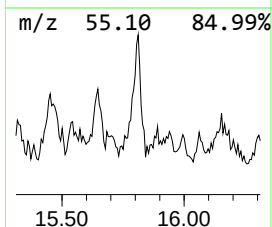
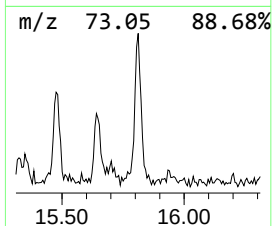
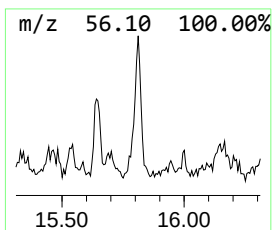
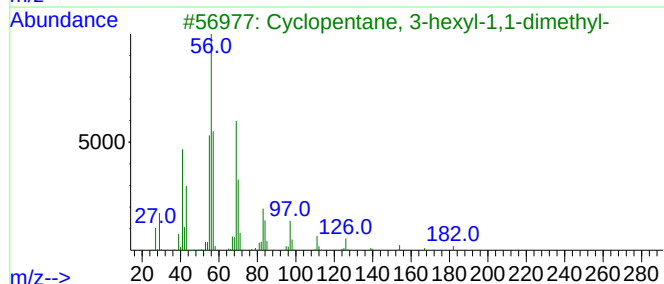
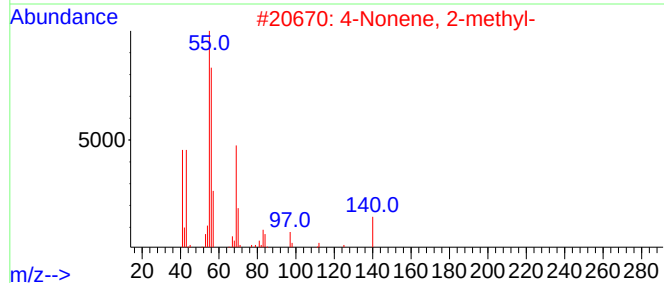
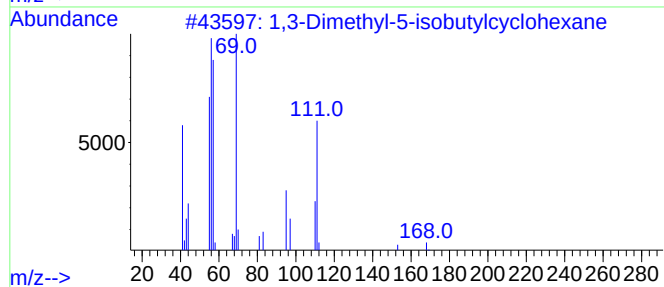
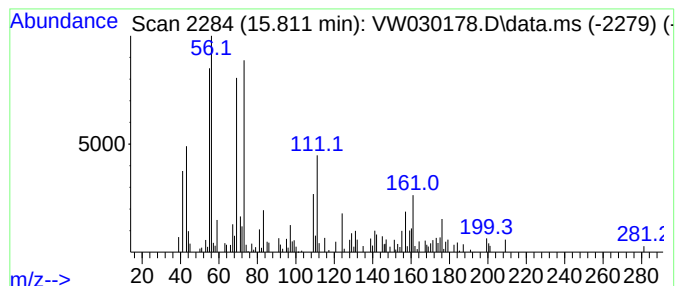
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Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Cyclic15.812 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.812	2.82 ug/L	44275	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,3-Dimethyl-5-isobutylcyclohexane	168	C12H24	013131-76-5	50
2		4-Nonene, 2-methyl-	140	C10H20	055724-84-0	49
3		Cyclopentane, 3-hexyl-1,1-dimethyl-	182	C13H26	061142-65-2	46
4		3-Undecene, 2-methyl-, (E)-	168	C12H24	074630-51-6	43
5		1-Decene, 9-methyl-	154	C11H22	061142-78-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030178.D
Acq On : 20 Sep 2024 16:26
Operator : SY/MD
Sample : P4109-14
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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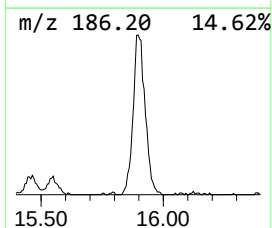
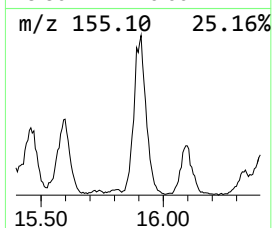
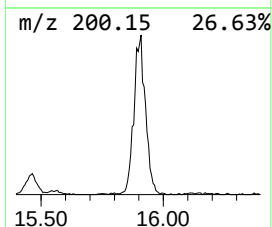
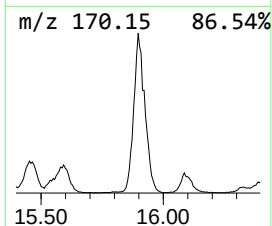
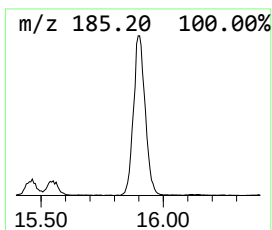
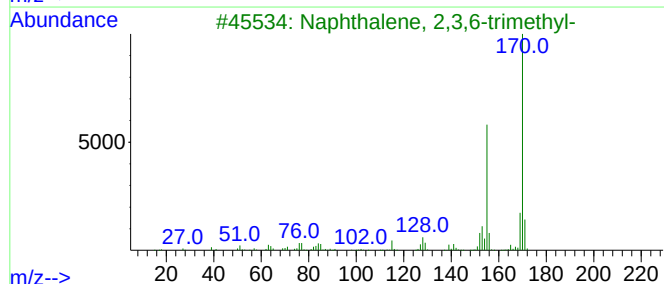
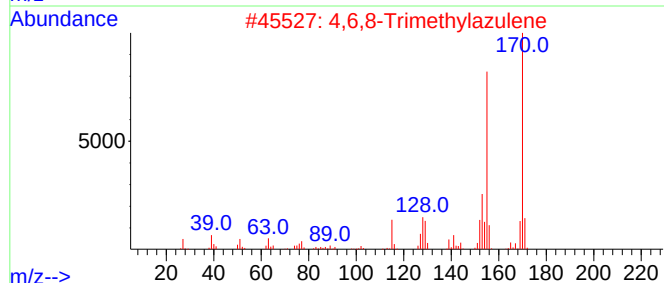
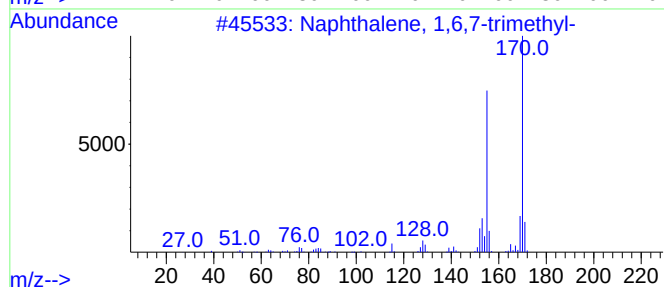
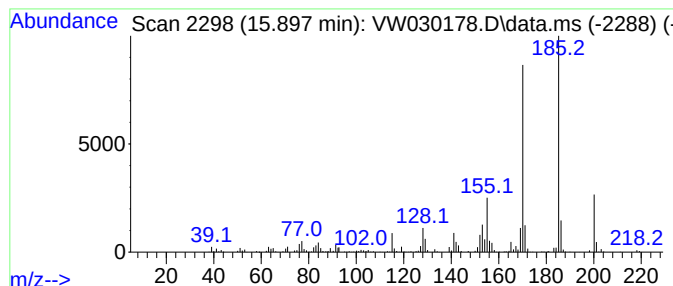
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Quant Title : SFAM01.0

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

Peak Number 18 Naphthalene, 1,6,7-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.897	48.91 ug/L	768658	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	55
2			4,6,8-Trimethylazulene	170	C13H14	000941-81-1	50
3			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	49
4			4,6,8-Trimethylazulene	170	C13H14	000941-81-1	45
5			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030178.D
Acq On : 20 Sep 2024 16:26
Operator : SY/MD
Sample : P4109-14
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4ET6

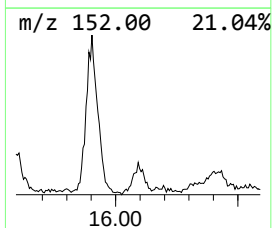
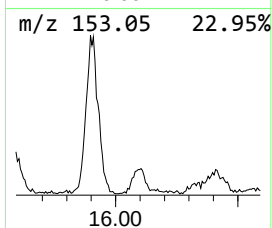
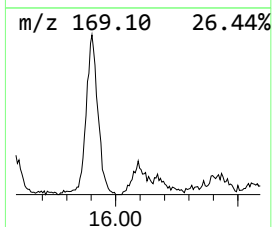
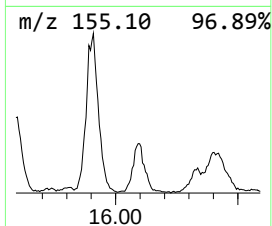
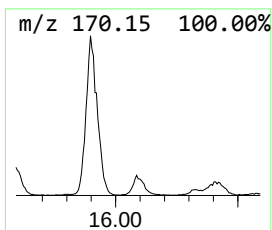
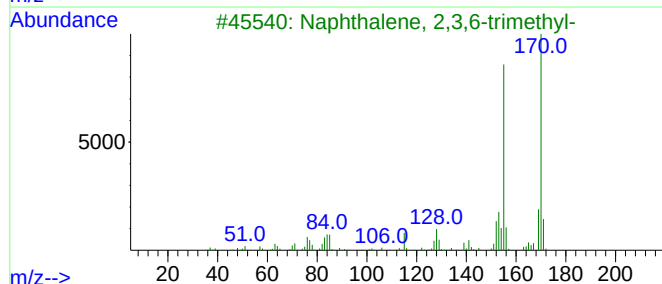
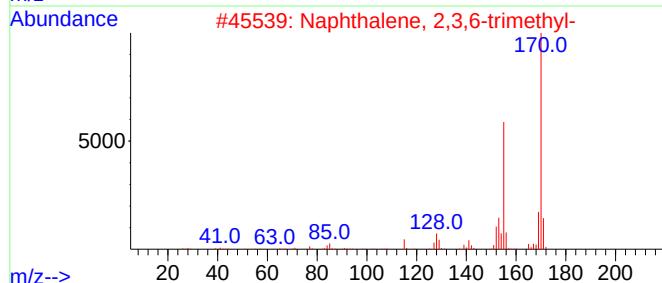
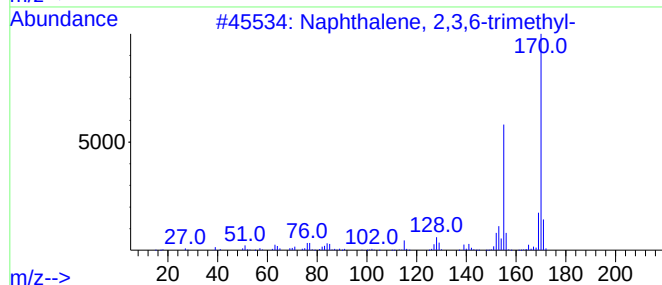
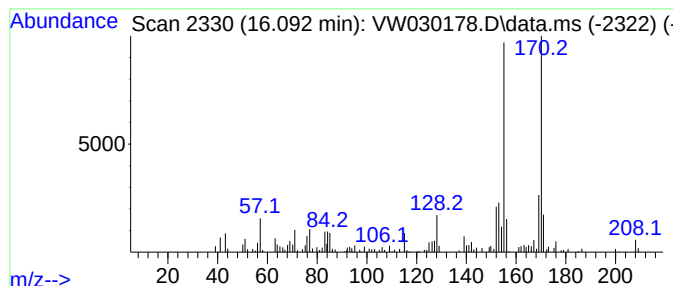
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Quant Title : SFAM01.0

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

Peak Number 19 unknown-03 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.092	4.84 ug/L	76028	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
3		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
4		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
5		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030178.D
Acq On : 20 Sep 2024 16:26
Operator : SY/MD
Sample : P4109-14
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4ET6

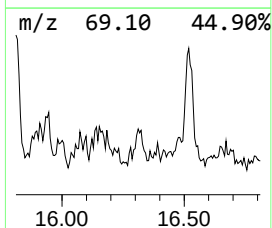
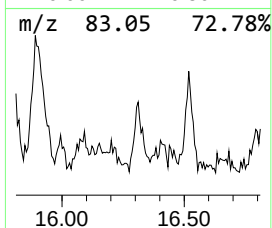
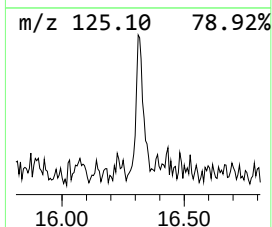
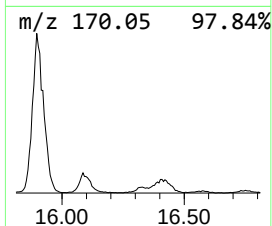
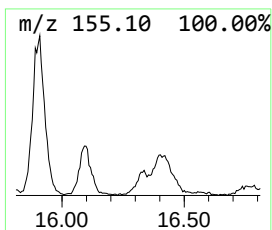
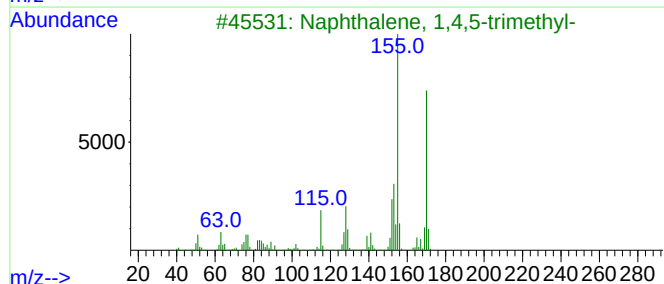
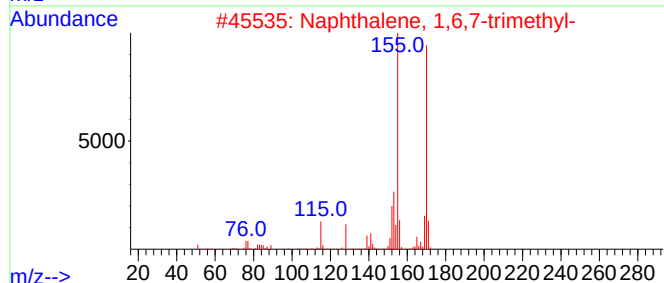
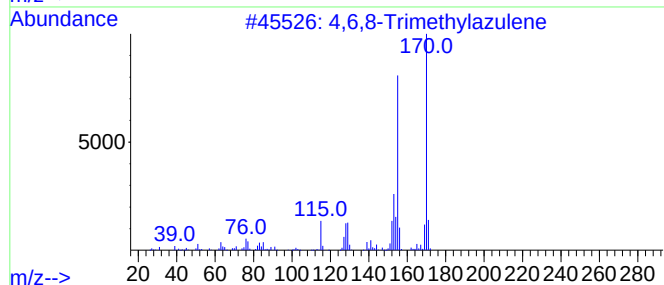
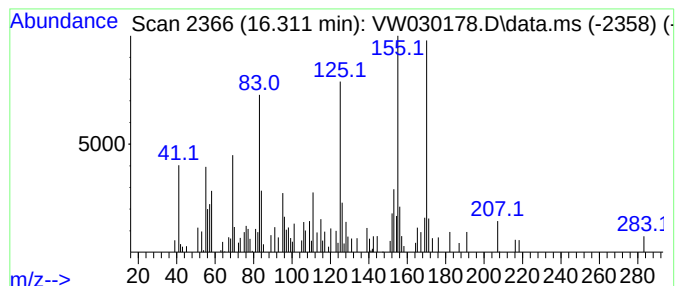
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Quant Title : SFAM01.0

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

Peak Number 20 4,6,8-Trimethylazulene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.311	2.89 ug/L	45412	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	60
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	60
3		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	46
4		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	46
5		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030178.D
Acq On : 20 Sep 2024 16:26
Operator : SY/MD
Sample : P4109-14
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4ET6

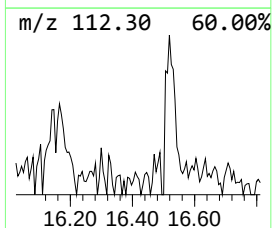
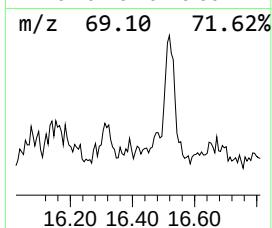
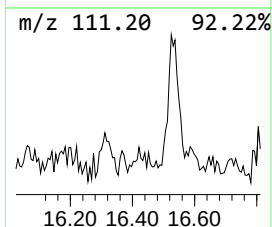
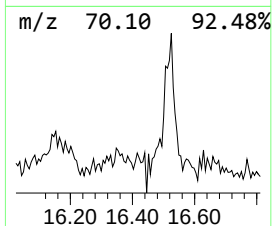
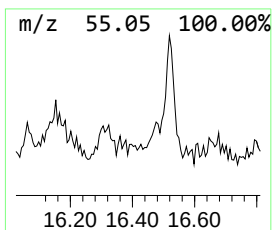
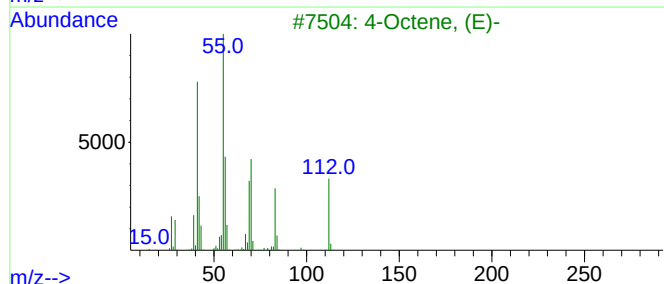
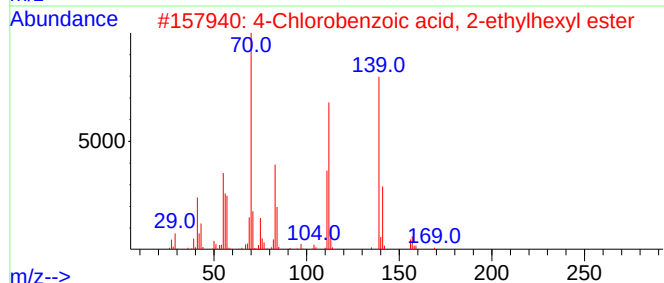
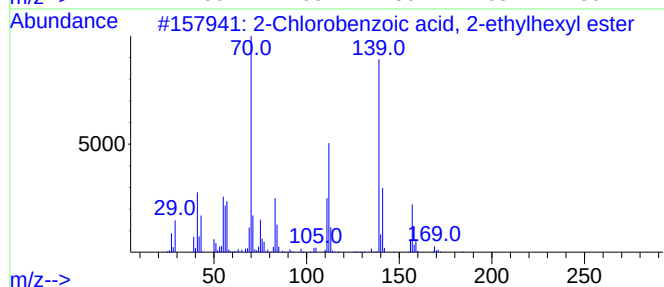
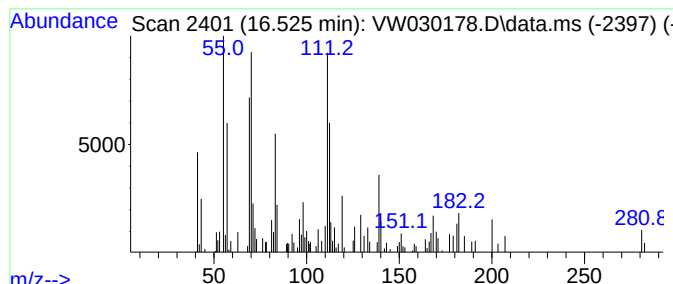
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Quant Title : SFAM01.0

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

Peak Number 21 unknown-04 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.525	2.72 ug/L	42774	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Chlorobenzoic acid, 2-ethylhex...	268	C15H21ClO2	059986-39-9	43		
2	4-Chlorobenzoic acid, 2-ethylhex...	268	C15H21ClO2	016397-67-4	43		
3	4-Octene, (E)-	112	C8H16	014850-23-8	43		
4	Cyclohexanol, 1-ethenyl-	126	C8H14O	001940-19-8	38		
5	Cyclopentane, 1,1,3,3-tetramethyl-	126	C9H18	050876-33-0	38		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092024\
Data File : VW030178.D
Acq On : 20 Sep 2024 16:26
Operator : SY/MD
Sample : P4109-14
Misc : 5.10g/10mL/MSVOA_W/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A4ET6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM091624SMA.M
Quant Title : SFAM01.0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Naphthalene, 1-...	12.361	1.4	ug/L	46656	2	11.629	859274	25.0
(DEL) Alkane: S...	12.928	3.9	ug/L	60507	3	13.556	392863	25.0
4-Heptanone, 2,...	13.031	10.4	ug/L	163560	3	13.556	392863	25.0
(DEL) Alkane: S...	13.275	124.4	ug/L	1955190	3	13.556	392863	25.0
1-Hexanol, 2-et...	13.641	2.5	ug/L	38697	3	13.556	392863	25.0
Cyclohexanone, ...	14.050	16.7	ug/L	263004	3	13.556	392863	25.0
Naphthalene, 2,...	14.257	2.6	ug/L	40653	3	13.556	392863	25.0
1,2,3,4,5,6,7,8...	14.452	29.7	ug/L	467376	3	13.556	392863	25.0
unknown-01	14.629	4.0	ug/L	63108	3	13.556	392863	25.0
Naphthalene, 2,...	15.043	8.7	ug/L	136683	3	13.556	392863	25.0
unknown-02	15.123	5.8	ug/L	90408	3	13.556	392863	25.0
Azulene	15.360	1.3	ug/L	20670	3	13.556	392863	25.0
Naphthalene, 1,...	15.464	12.7	ug/L	199881	3	13.556	392863	25.0
Quinoline, 2-te...	15.549	2.0	ug/L	30732	3	13.556	392863	25.0
(DEL) Alkane: C...	15.812	2.8	ug/L	44275	3	13.556	392863	25.0
Naphthalene, 1,...	15.897	48.9	ug/L	768658	3	13.556	392863	25.0
unknown-03	16.092	4.8	ug/L	76028	3	13.556	392863	25.0
4,6,8-Trimethyl...	16.311	2.9	ug/L	45412	3	13.556	392863	25.0
unknown-04	16.525	2.7	ug/L	42774	3	13.556	392863	25.0