

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
 Data File : VW026775.D
 Acq On : 18 Aug 2023 17:21
 Operator : SY/MD
 Sample : 04037-13
 Misc : 6.42g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EZYH2

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: VW026775.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	8	12	27	rVB5	11729	33226	1.00%	0.123%
2	2.174	40	47	51	rBV2	27921	50535	1.51%	0.187%
3	2.363	68	78	91	rBV2	92448	301895	9.05%	1.120%
4	2.899	158	166	180	rVV	87060	260351	7.80%	0.966%
5	3.027	181	187	196	rVB2	25869	62945	1.89%	0.233%
6	3.387	239	246	258	rBV3	36025	103101	3.09%	0.382%
7	4.027	338	351	367	rBV	240228	919832	27.56%	3.412%
8	4.393	399	411	430	rBV2	43525	156144	4.68%	0.579%
9	4.777	467	474	482	rVV2	6398	22738	0.68%	0.084%
10	4.947	485	502	530	rBV4	86553	521703	15.63%	1.935%
11	5.435	568	582	596	rVV2	38202	147199	4.41%	0.546%
12	5.783	623	639	648	rVV7	15241	63707	1.91%	0.236%
13	5.941	652	665	677	rBV2	51046	163640	4.90%	0.607%
14	6.215	700	710	721	rBV3	19443	64744	1.94%	0.240%
15	6.984	827	836	844	rBV3	33739	99973	3.00%	0.371%
16	7.081	844	852	878	rVB3	107195	366906	10.99%	1.361%
17	7.526	916	925	933	rBV7	6003	18783	0.56%	0.070%
18	7.648	933	945	960	rBV	540077	1398890	41.92%	5.188%
19	7.868	970	981	984	rBV5	20255	59198	1.77%	0.220%
20	7.922	984	990	994	rBV2	44175	107321	3.22%	0.398%
21	8.032	1002	1008	1019	rVB3	46450	135295	4.05%	0.502%
22	8.154	1019	1028	1035	rBV	103087	237636	7.12%	0.881%
23	8.276	1035	1048	1064	rVB2	1089969	3337361	100.00%	12.378%
24	8.428	1065	1073	1080	rVV4	40514	108251	3.24%	0.401%
25	8.508	1080	1086	1091	rVV4	32664	81296	2.44%	0.302%
26	8.575	1091	1097	1107	rVB3	70646	181276	5.43%	0.672%
27	8.691	1109	1116	1126	rVB	74084	160312	4.80%	0.595%
28	8.843	1131	1141	1154	rBV	831477	1723623	51.65%	6.393%
29	9.081	1171	1180	1196	rVB3	71696	182424	5.47%	0.677%
30	9.276	1202	1212	1218	rBV	751799	1651370	49.48%	6.125%
31	9.331	1218	1221	1227	rVV	238775	457726	13.72%	1.698%
32	9.386	1227	1230	1240	rVB3	42380	77289	2.32%	0.287%
33	9.520	1244	1252	1257	rBV	24956	49624	1.49%	0.184%
34	9.611	1257	1267	1273	rBV2	42575	93976	2.82%	0.349%
35	9.684	1273	1279	1284	rBV8	11652	28686	0.86%	0.106%
36	9.751	1284	1290	1295	rBV2	70465	131553	3.94%	0.488%

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

37	9.898	1309	1314	1318	rBV2	28861	48464	1.45%	0.180%
38	9.953	1318	1323	1328	rVV	72557	137480	4.12%	0.510%
39	10.032	1331	1336	1342	rVV	361506	662551	19.85%	2.457%
40	10.093	1342	1346	1358	rVB3	91860	239442	7.17%	0.888%
41	10.209	1358	1365	1369	rBV6	13075	33215	1.00%	0.123%
42	10.324	1376	1384	1389	rBV	1306242	2366477	70.91%	8.777%
43	10.385	1389	1394	1401	rVB	301119	565384	16.94%	2.097%
44	10.501	1406	1413	1419	rVB3	105559	218092	6.53%	0.809%
45	10.574	1419	1425	1431	rBV	226611	406973	12.19%	1.509%
46	10.666	1435	1440	1444	rBV2	53258	89241	2.67%	0.331%
47	10.763	1450	1456	1465	rVB7	33302	76868	2.30%	0.285%
48	10.843	1465	1469	1474	rVB2	18243	32518	0.97%	0.121%
49	10.922	1474	1482	1492	rBV2	335907	615491	18.44%	2.283%
50	11.032	1495	1500	1503	rBV2	18897	35486	1.06%	0.132%
51	11.178	1520	1524	1527	rVB	41931	58262	1.75%	0.216%
52	11.227	1527	1532	1538	rVB2	82951	135476	4.06%	0.502%
53	11.282	1538	1541	1545	rVB4	14591	20939	0.63%	0.078%
54	11.337	1545	1550	1554	rVB3	29383	46140	1.38%	0.171%
55	11.404	1554	1561	1564	rBV3	32675	76863	2.30%	0.285%
56	11.507	1573	1578	1585	rBV	45174	79753	2.39%	0.296%
57	11.629	1591	1598	1607	rBV	850828	1438687	43.11%	5.336%
58	11.727	1609	1614	1623	rBV	86683	165598	4.96%	0.614%
59	11.836	1623	1632	1637	rBV	154621	326938	9.80%	1.213%
60	11.971	1649	1654	1659	rBV5	11300	19840	0.59%	0.074%
61	12.160	1674	1685	1692	rBV3	66428	181801	5.45%	0.674%
62	12.245	1692	1699	1704	rVB2	29407	59366	1.78%	0.220%
63	12.361	1709	1718	1725	rVV4	42450	129576	3.88%	0.481%
64	12.470	1730	1736	1739	rBV3	28764	55746	1.67%	0.207%
65	12.605	1754	1758	1762	rVB3	20717	37220	1.12%	0.138%
66	12.690	1766	1772	1779	rVB	469982	746716	22.37%	2.770%
67	12.775	1782	1786	1789	rBV4	15237	26588	0.80%	0.099%
68	12.861	1795	1800	1804	rBV	41660	72554	2.17%	0.269%
69	12.934	1807	1812	1818	rVB2	62360	134292	4.02%	0.498%
70	13.098	1832	1839	1845	rBV3	21067	49384	1.48%	0.183%
71	13.159	1846	1849	1857	rVB3	22023	37004	1.11%	0.137%
72	13.245	1858	1863	1868	rBV	67105	114937	3.44%	0.426%
73	13.489	1899	1903	1906	rVB6	11747	17554	0.53%	0.065%
74	13.556	1908	1914	1922	rBV	433649	726583	21.77%	2.695%
75	13.745	1942	1945	1948	rBV3	21315	29941	0.90%	0.111%
76	13.787	1948	1952	1956	rVV2	21992	37171	1.11%	0.138%

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 Title : SFAM01.0

77	13.848	1956	1962	1971	rVV2	440315	859809	25.76%	3.189%
78	14.031	1985	1992	1994	rBV6	24858	54836	1.64%	0.203%
79	14.092	1999	2002	2005	rVB	29703	39920	1.20%	0.148%
80	14.123	2005	2007	2014	rVB3	25505	41621	1.25%	0.154%
81	14.196	2014	2019	2024	rBV4	33575	72610	2.18%	0.269%
82	14.263	2024	2030	2031	rBV5	30703	46545	1.39%	0.173%
83	14.385	2046	2050	2053	rVV3	32205	45315	1.36%	0.168%
84	14.421	2053	2056	2058	rVV3	25090	33213	1.00%	0.123%
85	14.452	2058	2061	2064	rVB	48391	60920	1.83%	0.226%
86	14.494	2064	2068	2071	rVV3	36492	43007	1.29%	0.160%
87	14.537	2071	2075	2081	rVB5	33216	60336	1.81%	0.224%
88	14.720	2100	2105	2110	rVB2	130761	191729	5.74%	0.711%
89	14.787	2111	2116	2120	rBV3	89675	180179	5.40%	0.668%
90	14.836	2120	2124	2131	rVB3	84750	176314	5.28%	0.654%
91	14.952	2141	2143	2149	rVB5	15412	29236	0.88%	0.108%
92	15.055	2156	2160	2166	rBV4	33937	71456	2.14%	0.265%
93	15.317	2198	2203	2207	rBV2	101918	167579	5.02%	0.622%
94	15.543	2236	2240	2249	rVB	124663	229400	6.87%	0.851%
95	15.641	2250	2256	2264	rVV8	30632	87915	2.63%	0.326%
96	15.720	2265	2269	2277	rVB5	29455	55461	1.66%	0.206%
97	16.275	2355	2360	2367	rVB3	48235	85498	2.56%	0.317%
98	16.433	2381	2386	2390	rBV	57514	111542	3.34%	0.414%
99	16.482	2390	2394	2399	rVB	60244	102989	3.09%	0.382%
100	16.634	2413	2419	2430	rVB	66401	201190	6.03%	0.746%

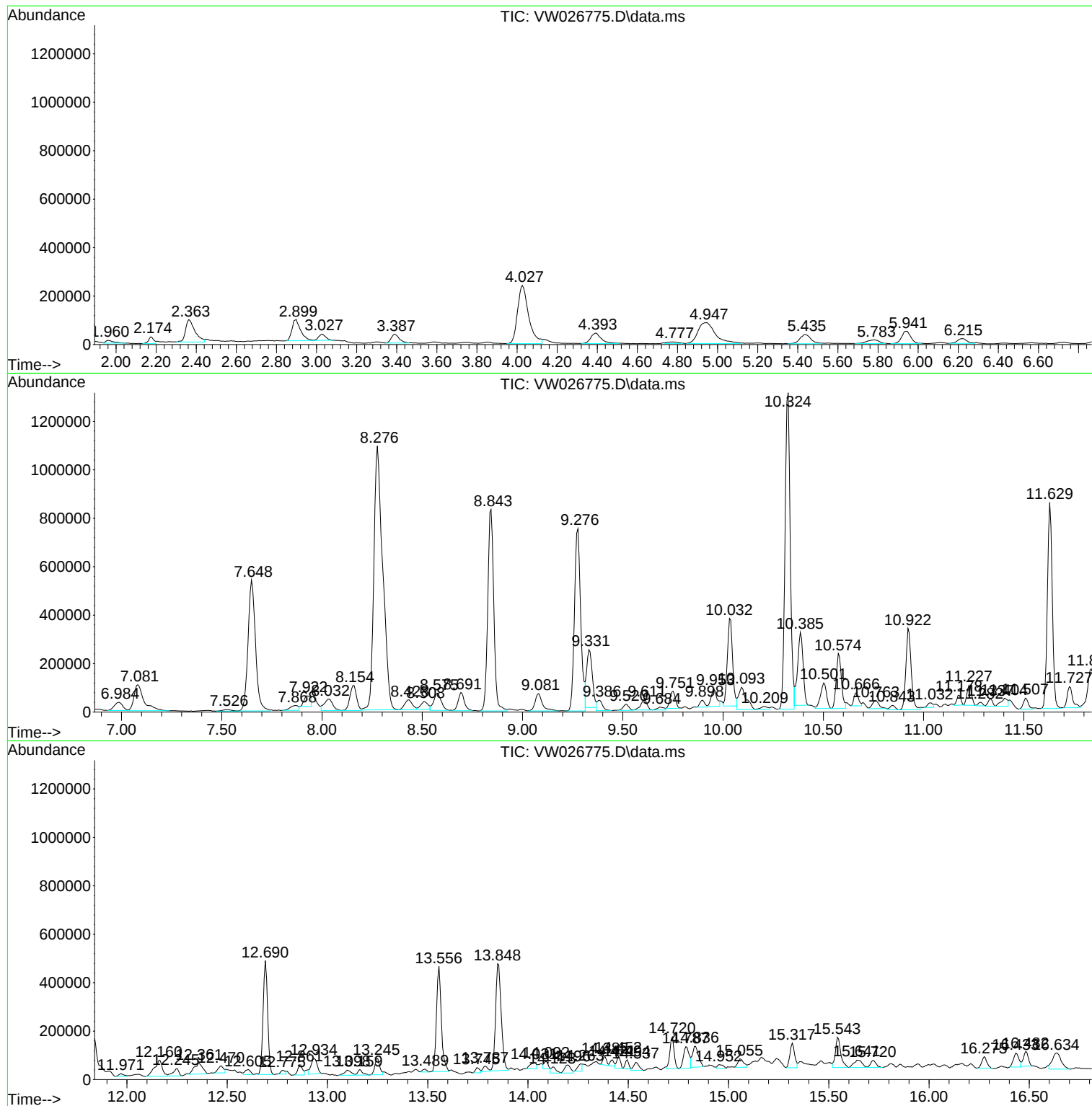
Sum of corrected areas: 26961760

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Instrument :
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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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Instrument :
MSVOA_W
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EZYH2

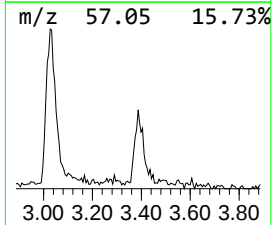
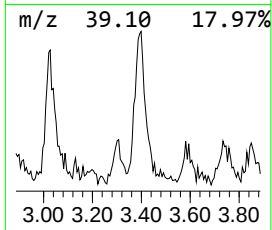
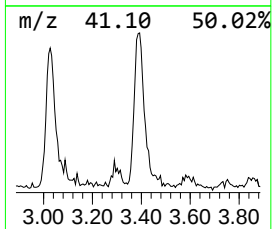
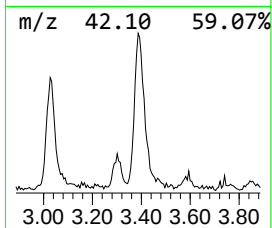
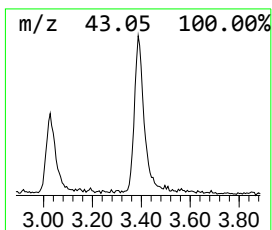
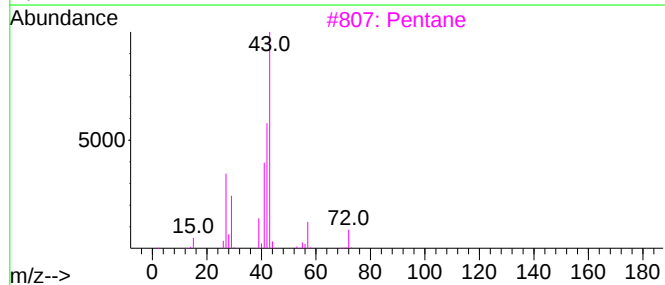
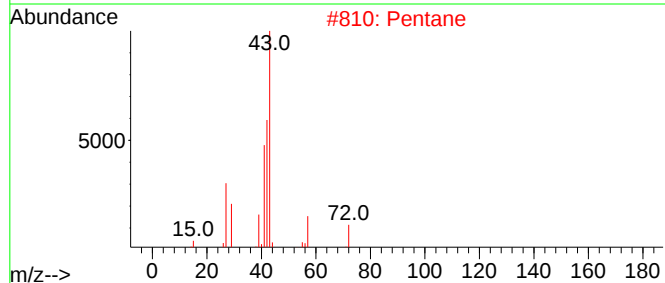
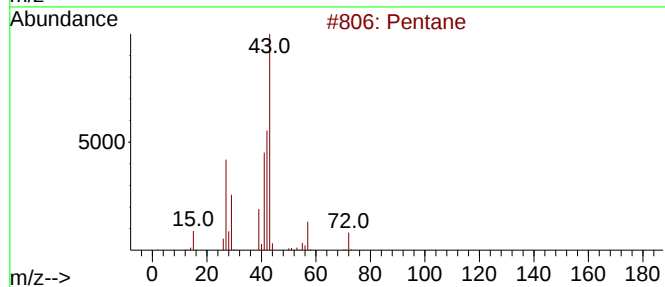
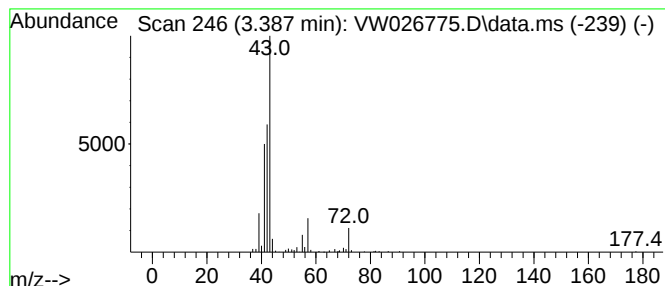
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.387	1.50 ug/L	103101	1,4-Difluorobenzene	8.837

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane			72	C5H12	000109-66-0	86
2	Pentane			72	C5H12	000109-66-0	86
3	Pentane			72	C5H12	000109-66-0	80
4	Pentane			72	C5H12	000109-66-0	64
5	Pentane			72	C5H12	000109-66-0	59



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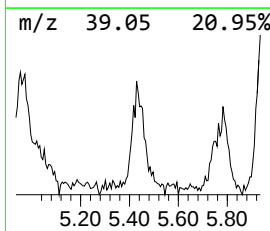
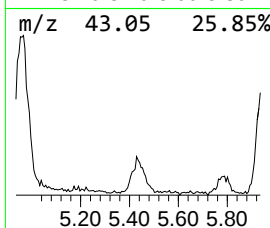
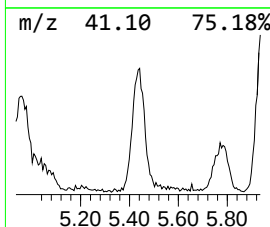
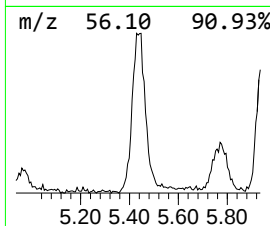
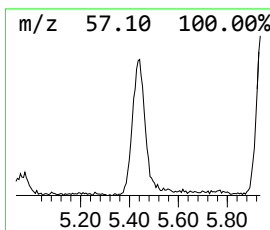
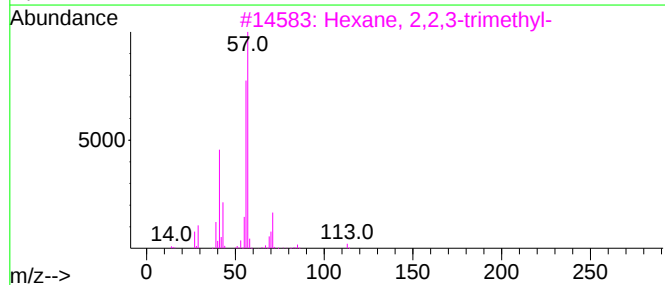
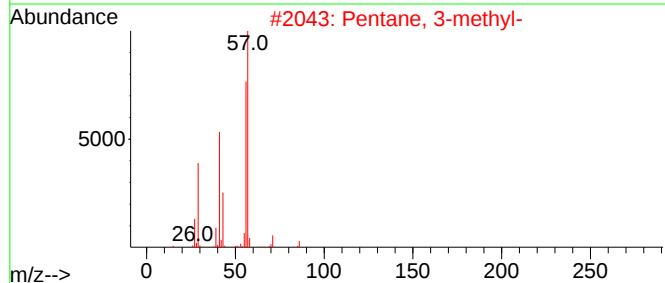
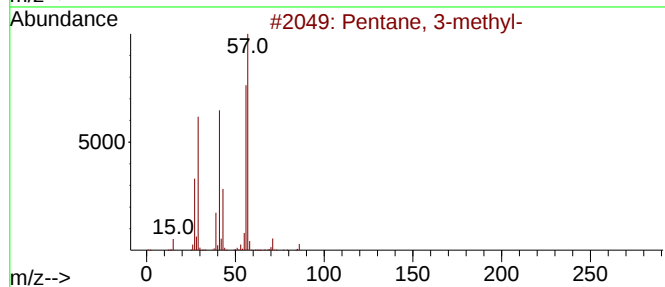
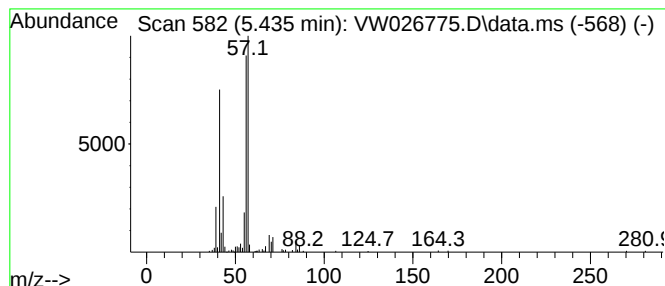
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.435	2.14 ug/L	147199	1,4-Difluorobenzene	8.837

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-methyl-	86	C6H14	000096-14-0	86
2			Pentane, 3-methyl-	86	C6H14	000096-14-0	72
3			Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	72
4			Pentane, 3-methyl-	86	C6H14	000096-14-0	64
5			1-Hexene, 2-methyl-	98	C7H14	006094-02-6	59



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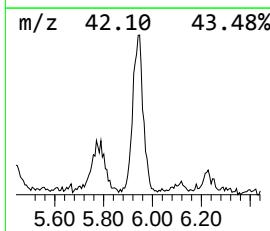
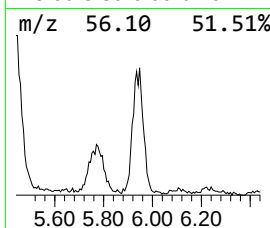
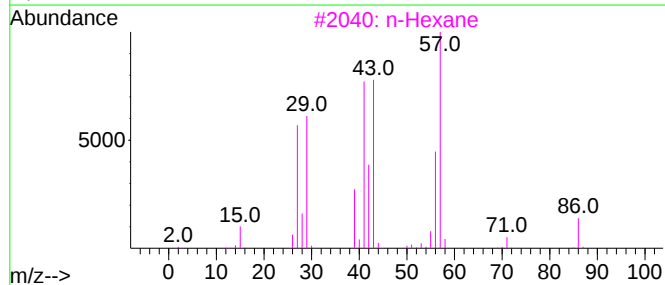
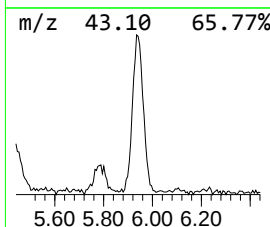
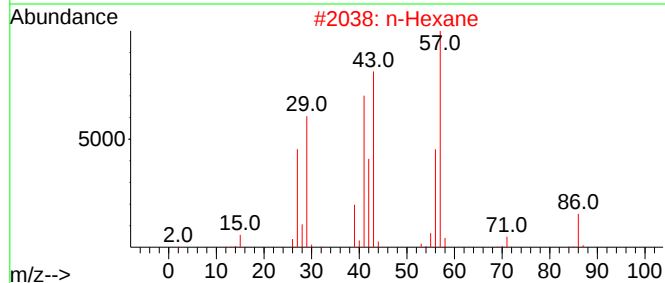
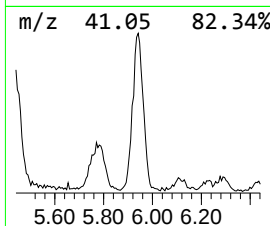
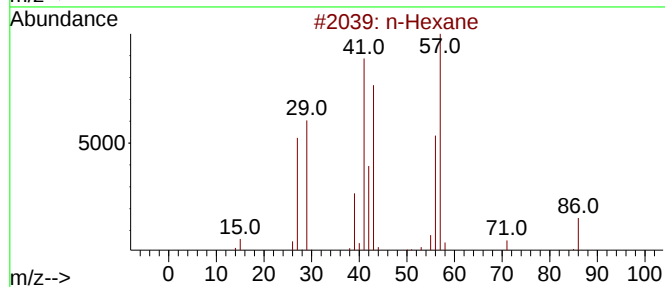
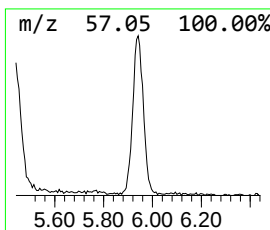
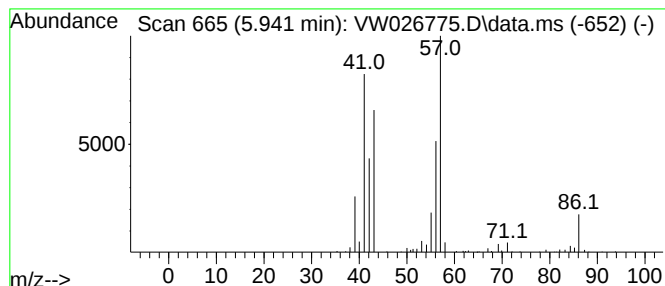
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.941	2.37 ug/L	163640	1,4-Difluorobenzene	8.837

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	86
3	n-Hexane			86	C6H14	000110-54-3	78
4	2-Ethyl-oxetane			86	C5H10O	1010386-40-2	53
5	n-Hexane			86	C6H14	000110-54-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

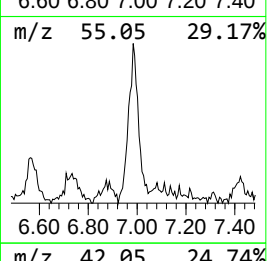
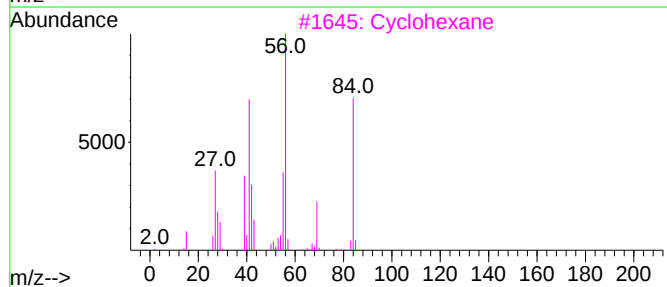
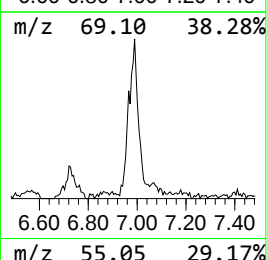
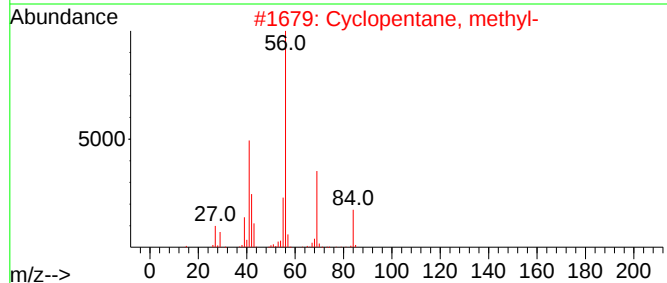
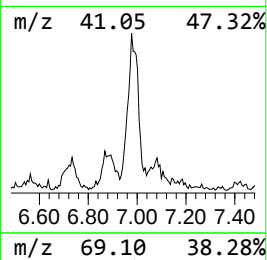
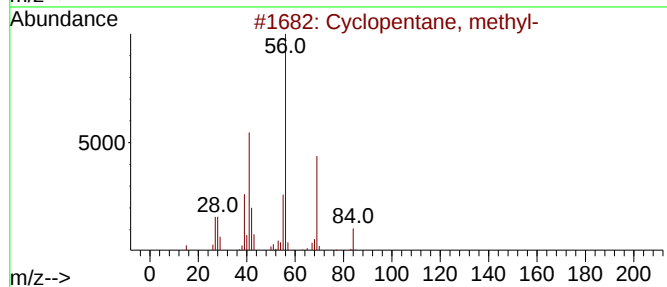
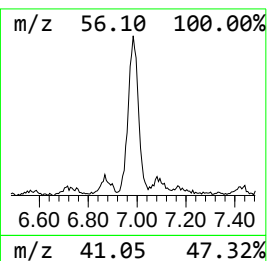
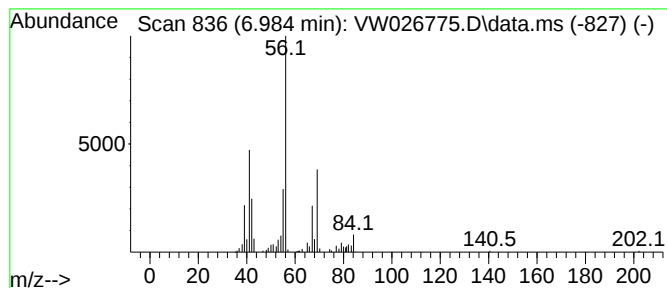
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Quant Title : SFAM01.0

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

Peak Number 4 (DEL) Alkane: Cyclic6.984 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.984	1.45 ug/L	99973	1,4-Difluorobenzene	8.837

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, methyl-	84	C6H12	000096-37-7	64
2			Cyclopentane, methyl-	84	C6H12	000096-37-7	59
3			Cyclohexane	84	C6H12	000110-82-7	59
4			Cyclohexane, (1,1-dimethylethyl)-	140	C10H20	003178-22-1	59
5			Cyclopentane, methyl-	84	C6H12	000096-37-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

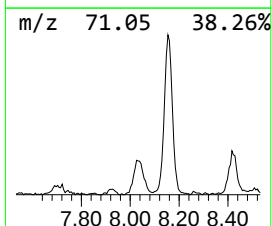
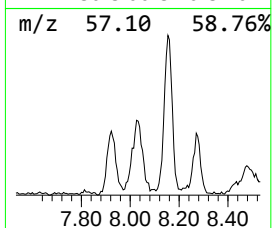
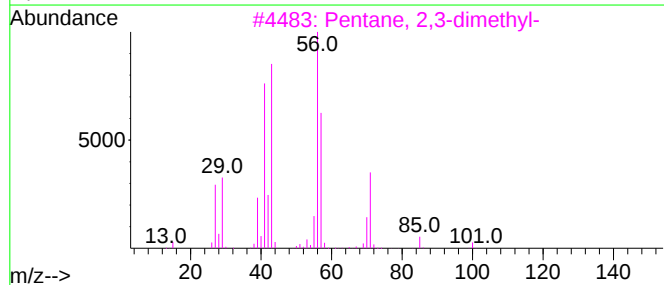
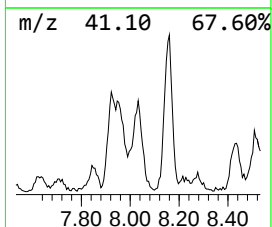
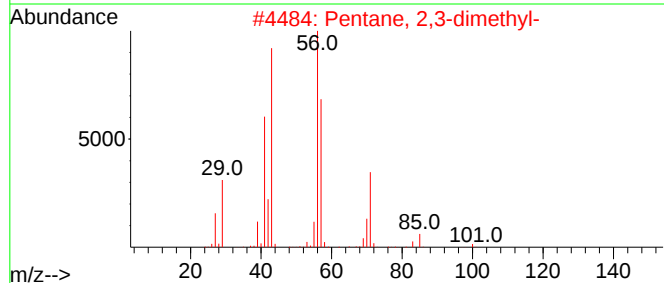
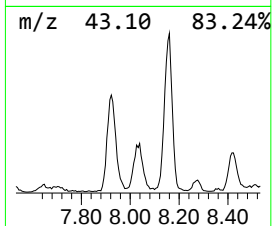
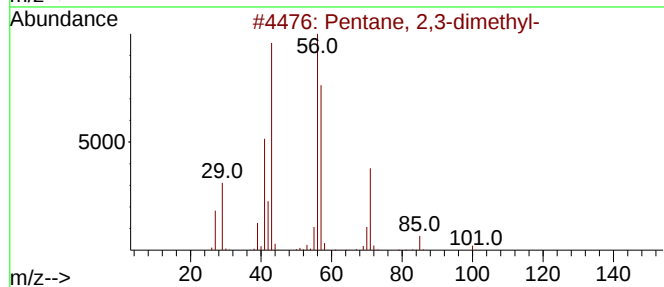
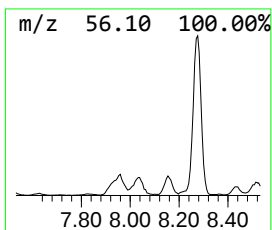
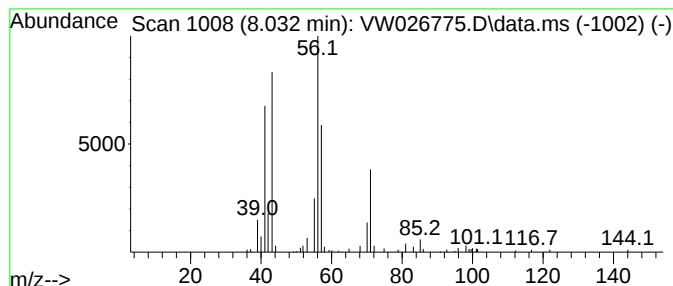
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Quant Title : SFAM01.0

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.032	1.96 ug/L	135295	1,4-Difluorobenzene	8.837

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2			Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3			Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
4			Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	80
5			Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

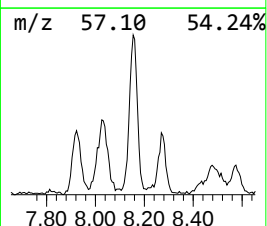
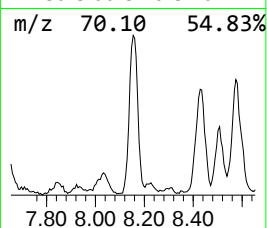
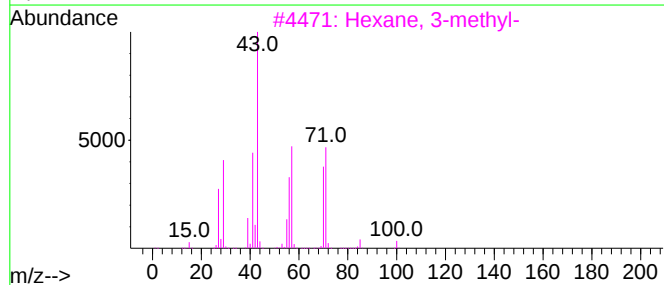
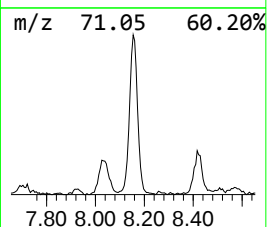
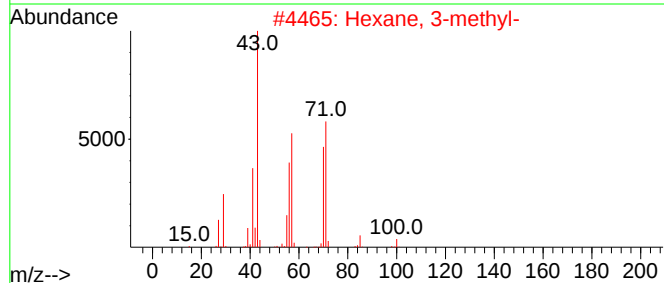
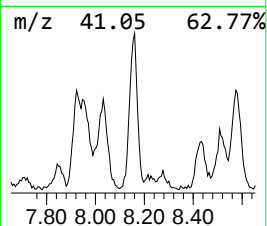
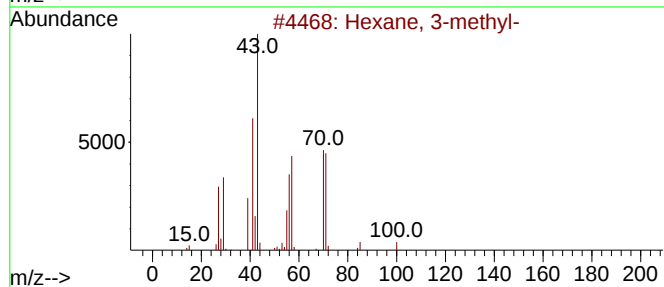
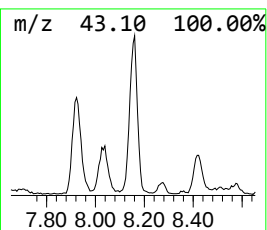
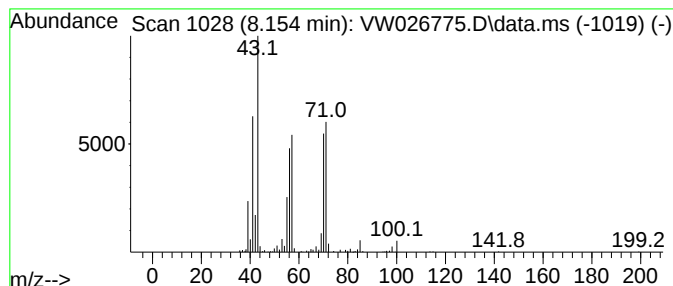
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Quant Title : SFAM01.0

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.154	3.45 ug/L	237636	1,4-Difluorobenzene	8.837

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	91
3			Hexane, 3-methyl-	100	C7H16	000589-34-4	83
4			Heptane, 4-methyl-	114	C8H18	000589-53-7	53
5			Heptane	100	C7H16	000142-82-5	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

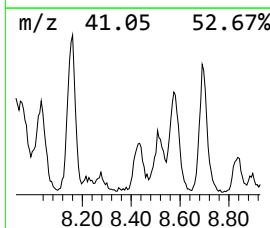
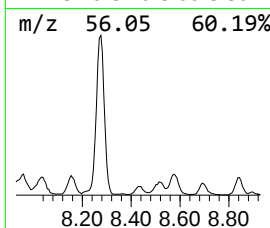
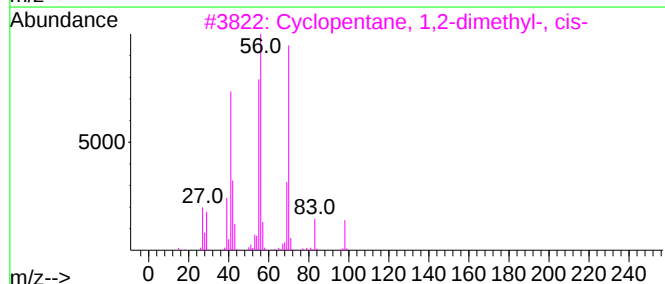
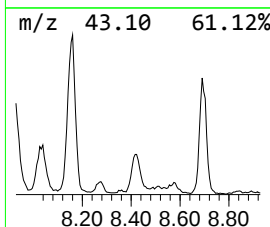
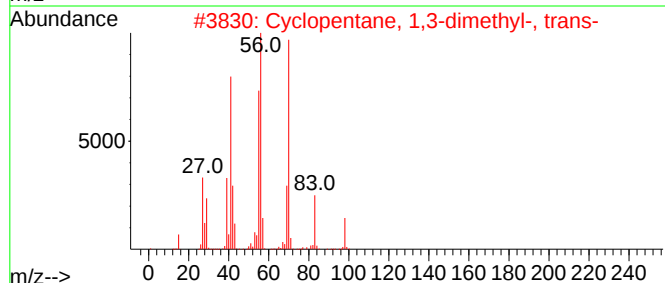
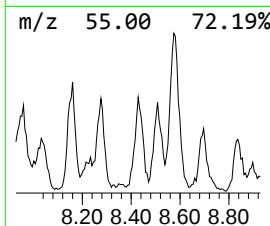
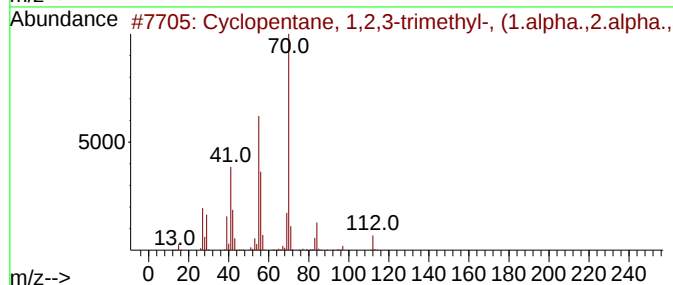
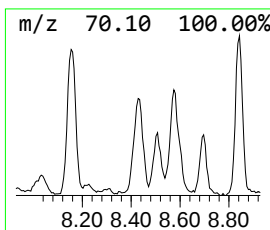
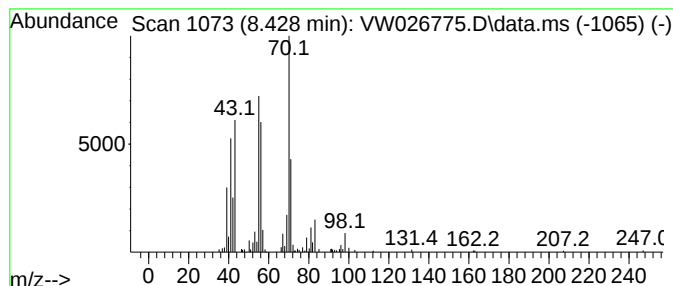
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Quant Title : SFAM01.0

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

Peak Number 7 (DEL) Alkane: Cyclic8.428 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.428	1.57 ug/L	108251	1,4-Difluorobenzene	8.837

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	47
2			Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	46
3			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	46
4			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	45
5			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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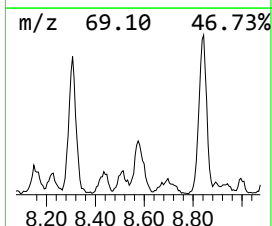
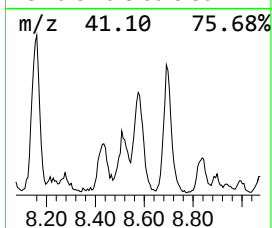
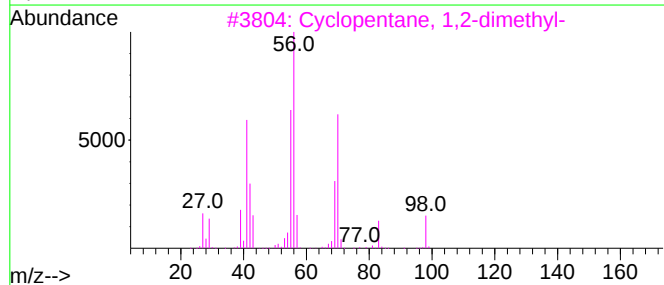
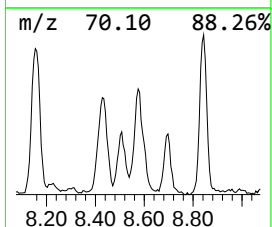
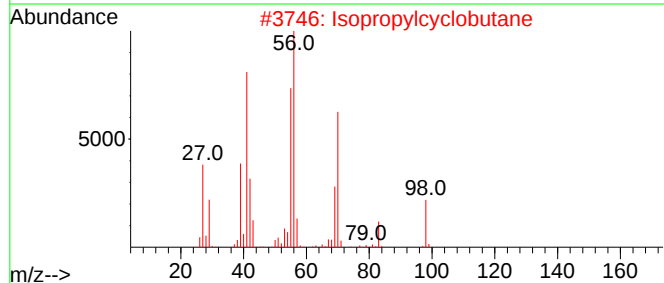
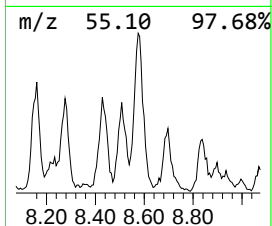
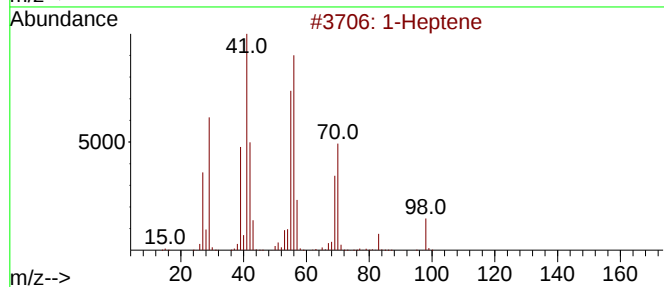
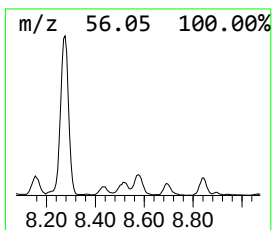
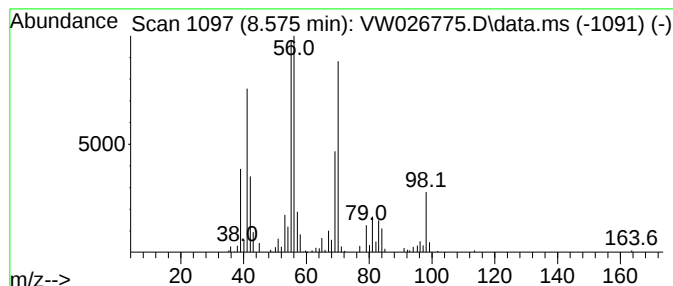
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Quant Title : SFAM01.0

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.575	2.63 ug/L	181276	1,4-Difluorobenzene	8.837

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Heptene	98	C7H14	000592-76-7	90
2			Isopropylcyclobutane	98	C7H14	000872-56-0	81
3			Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	76
4			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	74
5			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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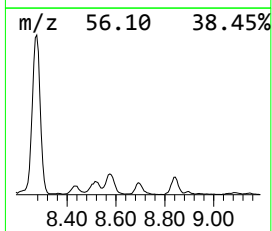
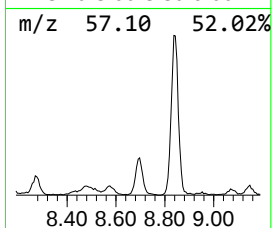
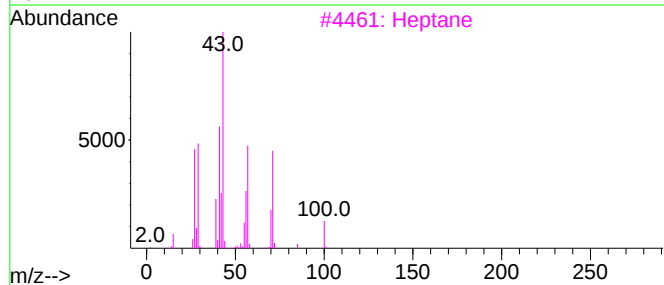
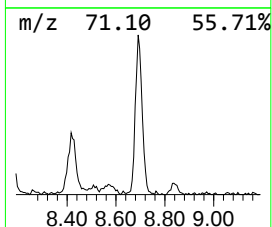
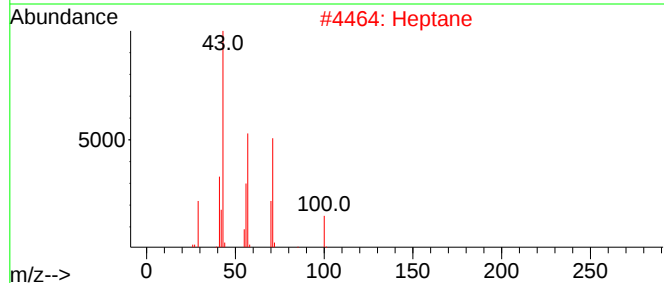
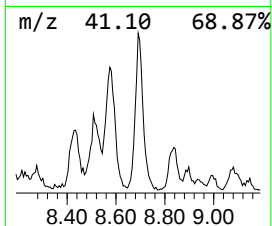
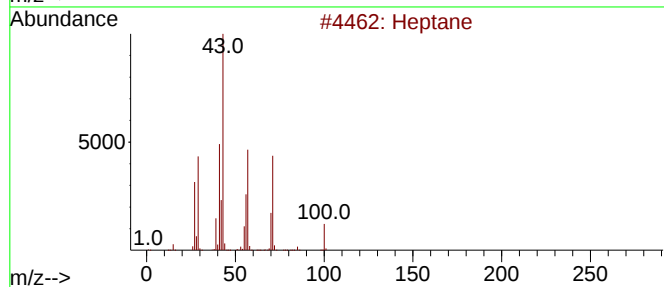
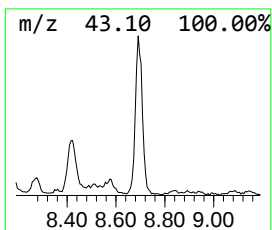
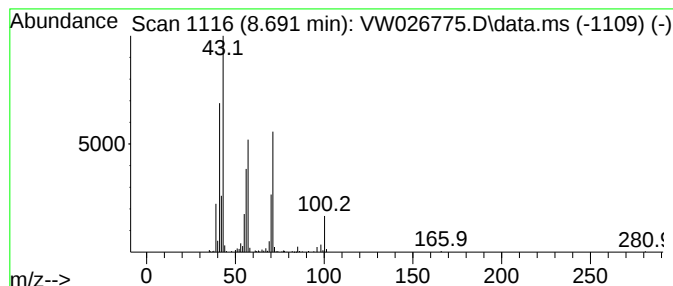
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Quant Title : SFAM01.0

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.691	2.33 ug/L	160312	1,4-Difluorobenzene	8.837

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane			100	C7H16	000142-82-5	87
2	Heptane			100	C7H16	000142-82-5	80
3	Heptane			100	C7H16	000142-82-5	64
4	Heptane			100	C7H16	000142-82-5	59
5	Hexane, 3-methyl-			100	C7H16	000589-34-4	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

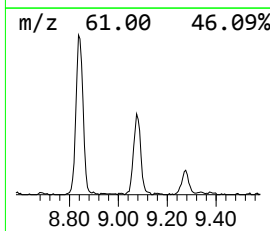
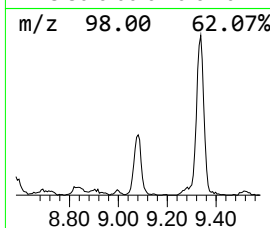
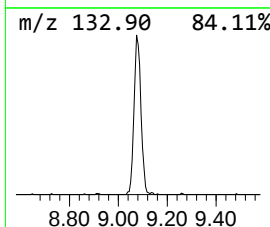
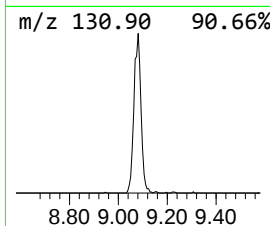
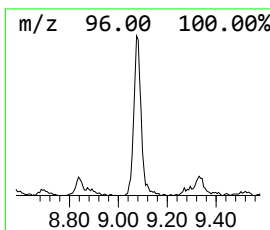
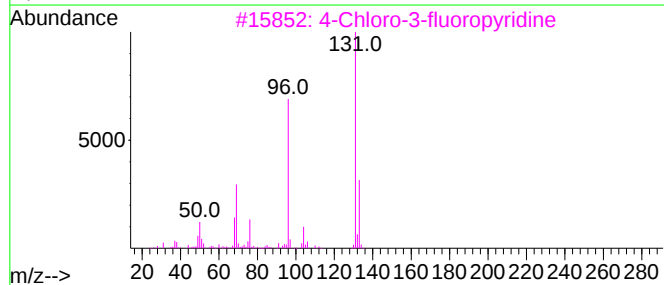
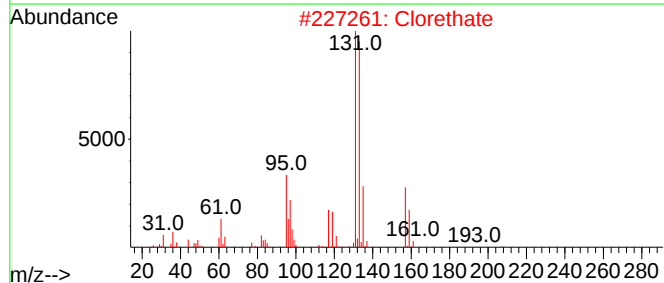
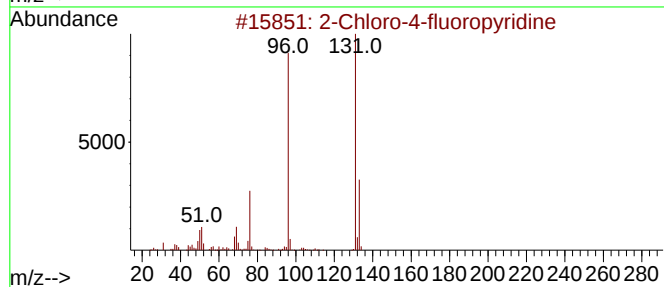
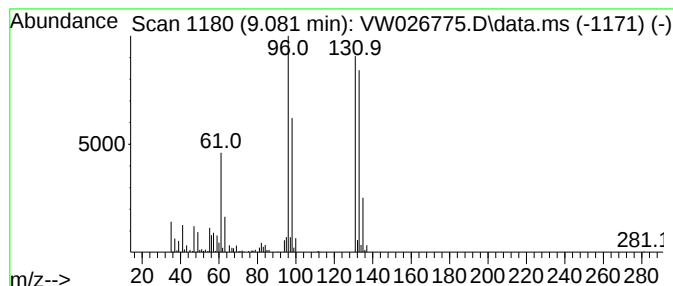
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Quant Title : SFAM01.0

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

Peak Number 10 unknown-01 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.081	2.65 ug/L	182424	1,4-Difluorobenzene	8.837

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Chloro-4-fluoropyridine	131	C5H3ClFN	1000484-44-8	43
2		Cloethate	322	C5H4Cl6O3	005634-37-7	32
3		4-Chloro-3-fluoropyridine	131	C5H3ClFN	002546-56-7	27
4		Ethylene, 1,2-dichloro-, (Z)-	96	C2H2Cl2	000156-59-2	25
5		5-Hydroxypyrimidine	96	C4H4N2O	026456-59-7	10



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

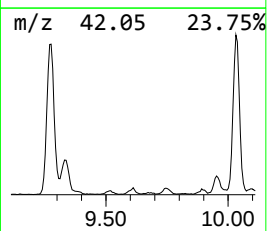
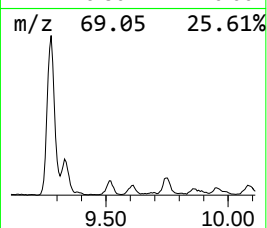
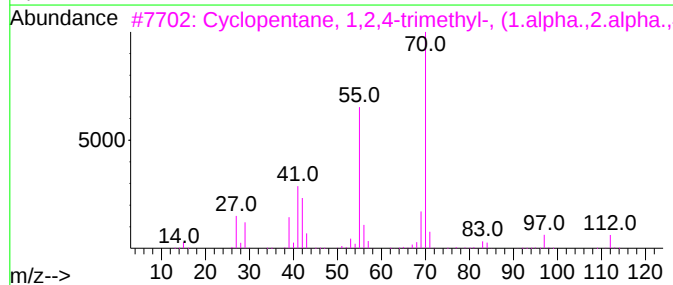
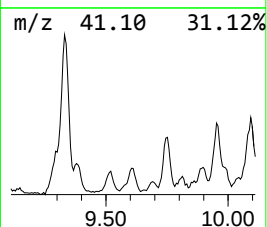
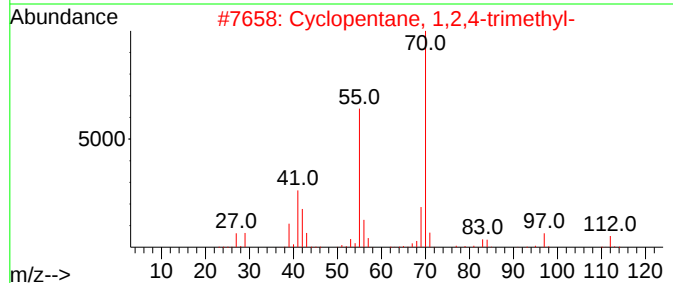
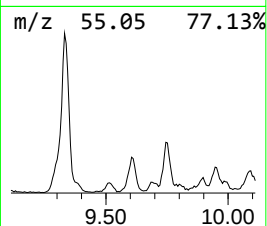
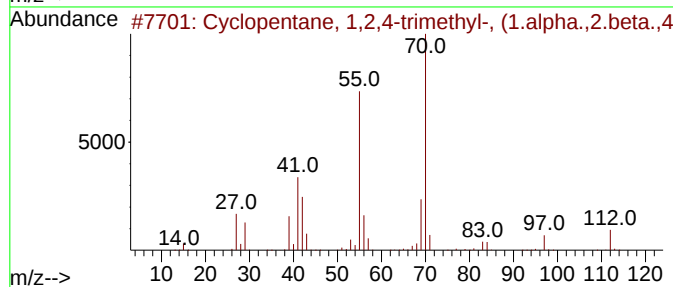
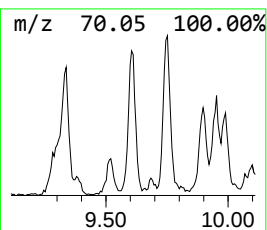
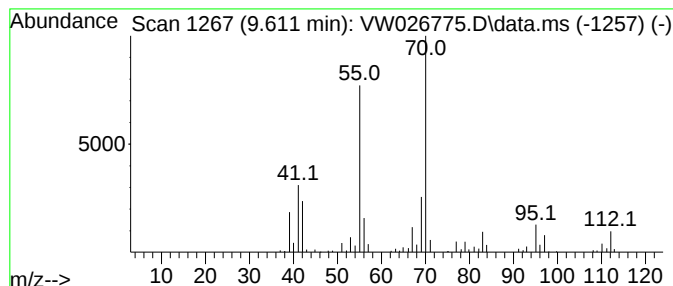
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Quant Title : SFAM01.0

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

Peak Number 11 (DEL) Alkane: Cyclic9.611 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.611	1.36 ug/L	93976	1,4-Difluorobenzene	8.837

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	87
2			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	83
3			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	81
4			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	80
5			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

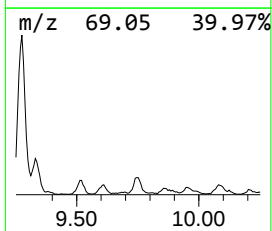
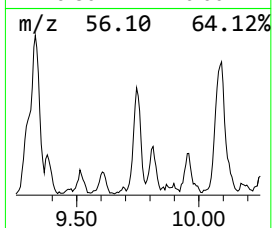
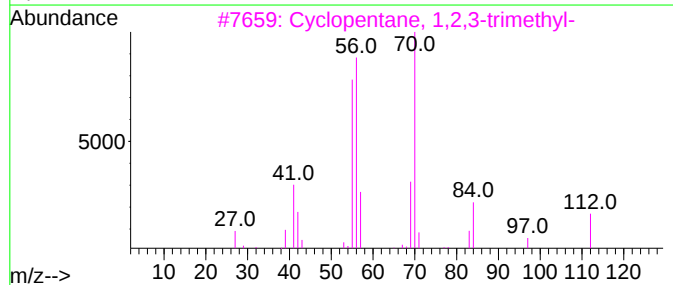
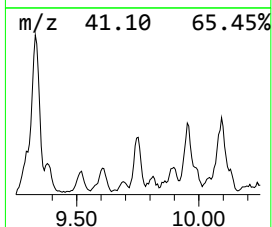
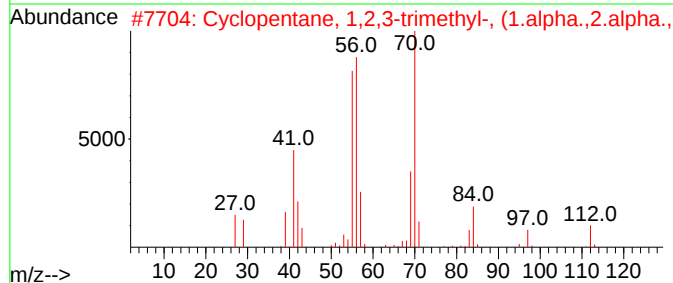
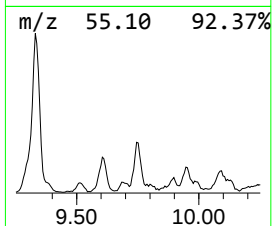
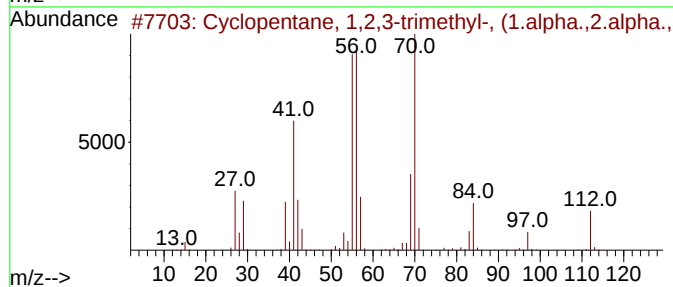
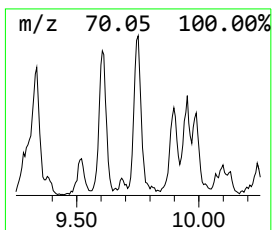
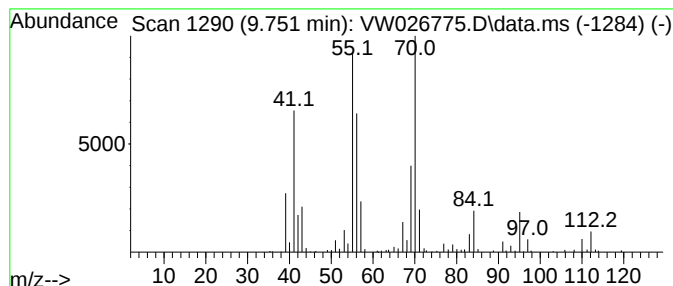
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Quant Title : SFAM01.0

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

Peak Number 12 (DEL) Alkane: Cyclic9.751 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.751	1.91 ug/L	131553	1,4-Difluorobenzene	8.837

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	83
2			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	81
3			Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	72
4			Heptane, 3-methylene-	112	C8H16	001632-16-2	49
5			Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

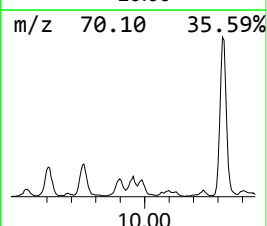
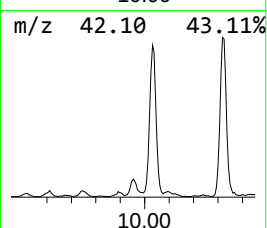
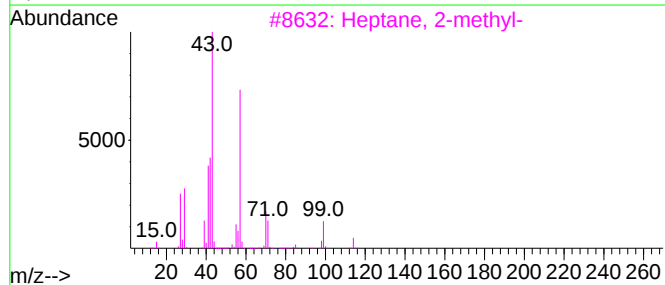
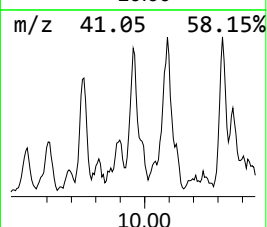
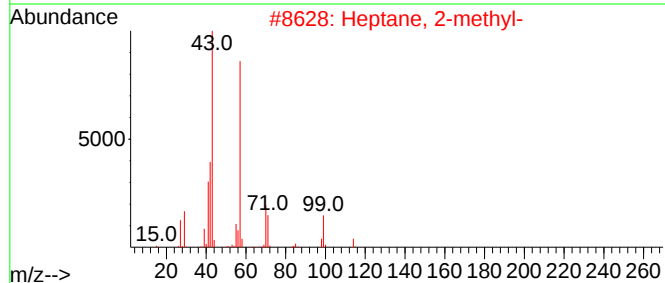
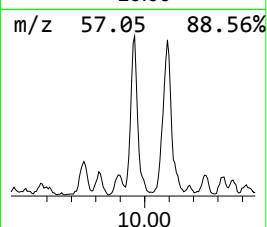
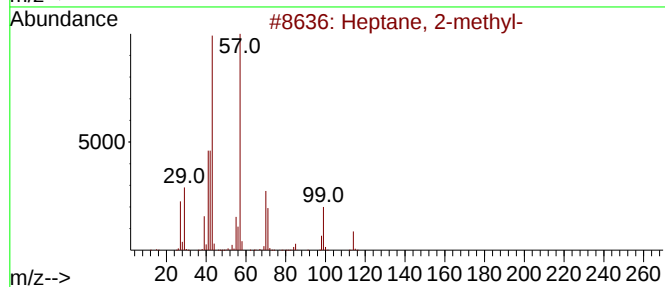
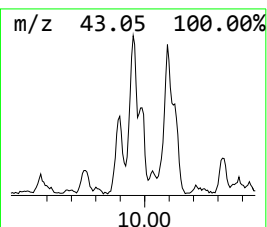
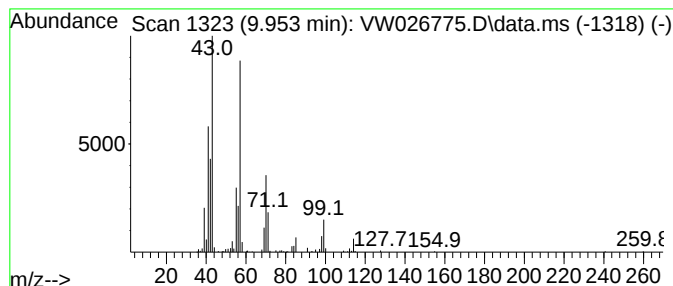
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Quant Title : SFAM01.0

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.953	1.99 ug/L	137480	1,4-Difluorobenzene	8.837

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2-methyl-	114	C8H18	000592-27-8	83
2		Heptane, 2-methyl-	114	C8H18	000592-27-8	74
3		Heptane, 2-methyl-	114	C8H18	000592-27-8	64
4		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	53
5		Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

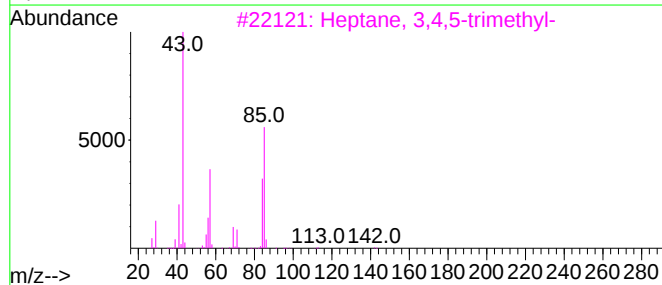
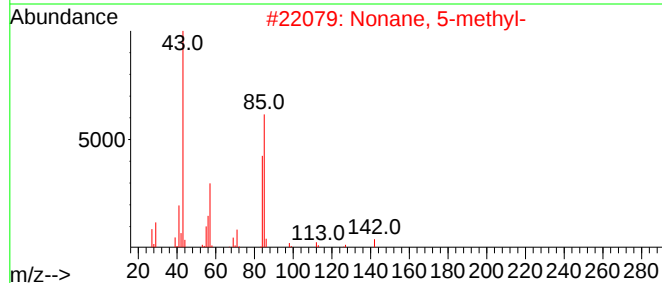
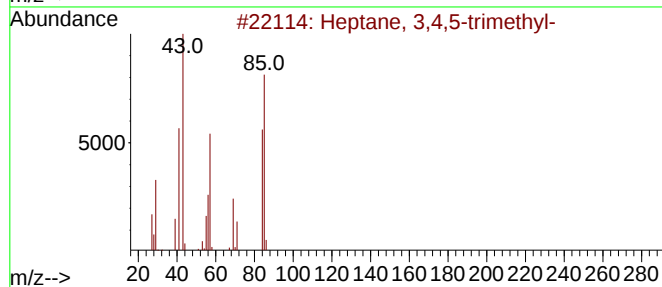
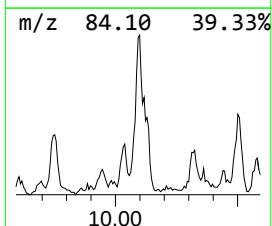
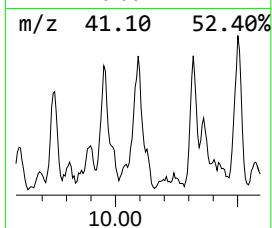
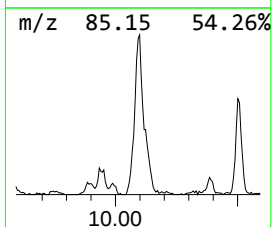
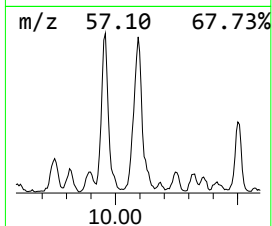
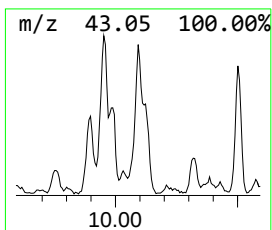
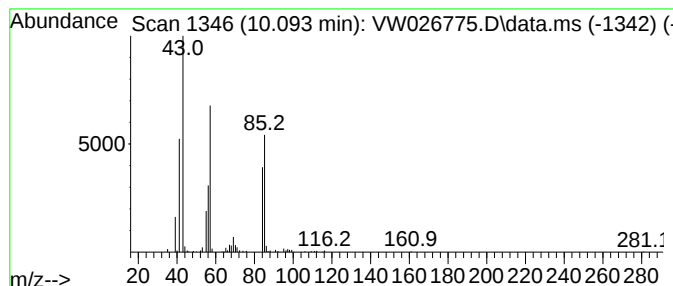
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Quant Title : SFAM01.0

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.093	3.47 ug/L	239442	1,4-Difluorobenzene	8.837

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	78
2			Nonane, 5-methyl-	142	C10H22	015869-85-9	64
3			Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64
4			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
5			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

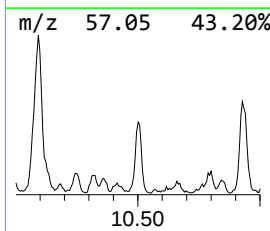
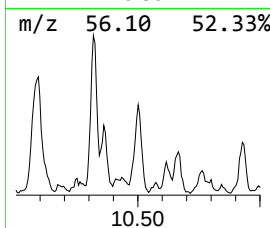
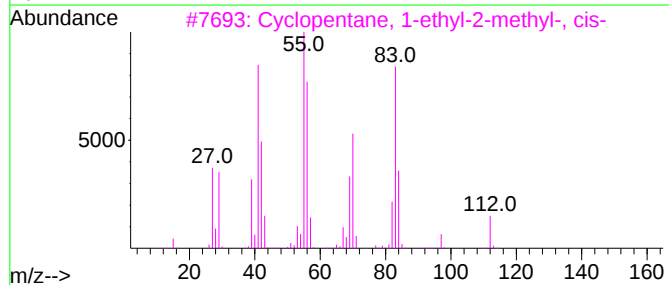
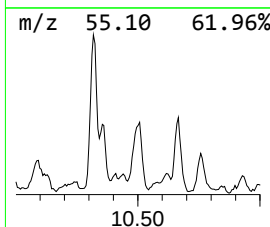
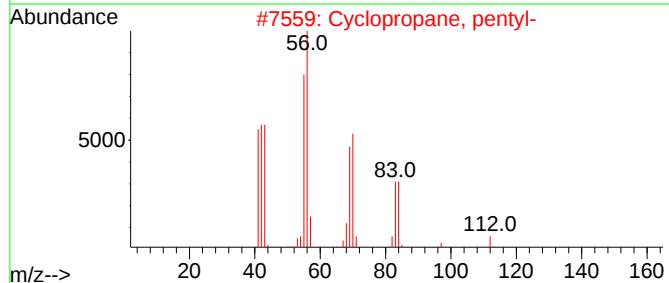
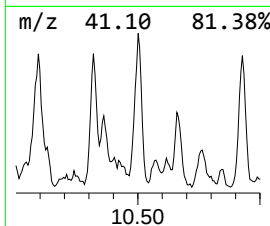
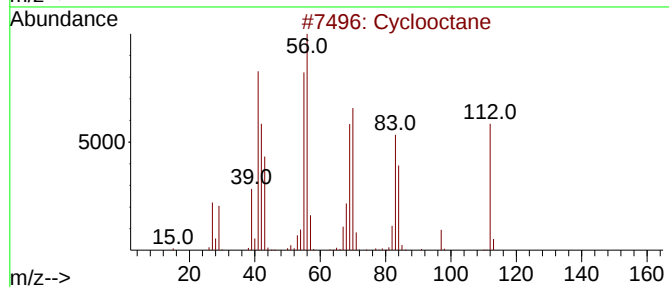
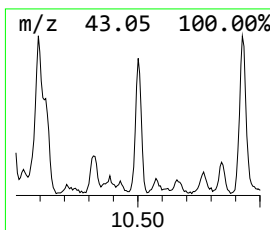
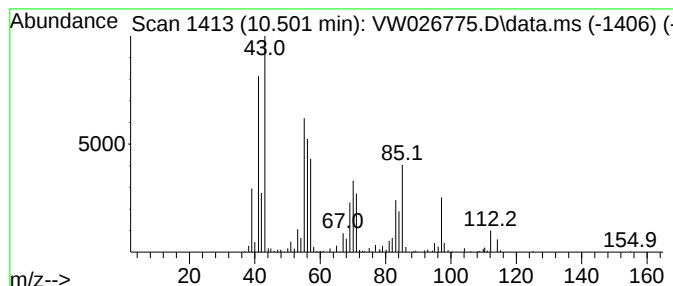
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Quant Title : SFAM01.0

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

Peak Number 16 (DEL) Alkane: Cyclic10.501 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.501	3.79 ug/L	218092	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclooctane	112	C8H16	000292-64-8	49
2			Cyclopropane, pentyl-	112	C8H16	002511-91-3	43
3			Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	38
4			1,2-Cyclohexanedione	112	C6H8O2	000765-87-7	38
5			Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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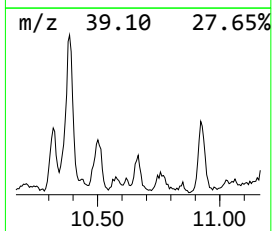
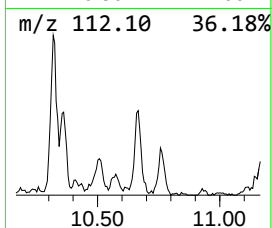
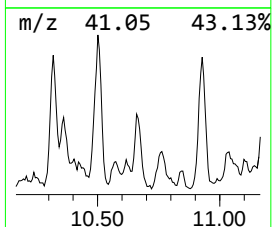
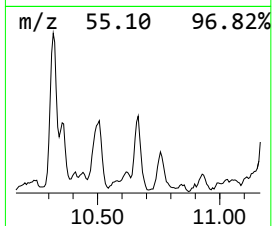
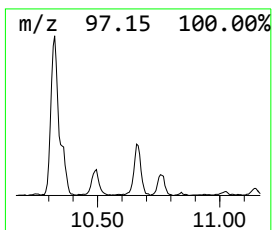
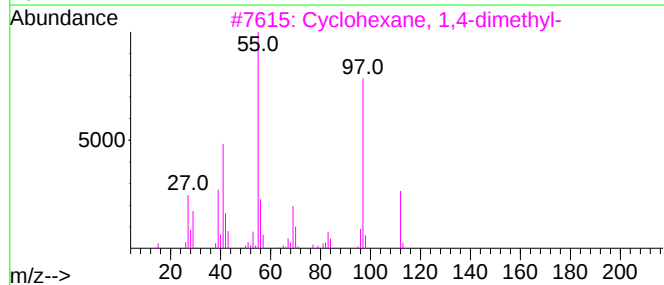
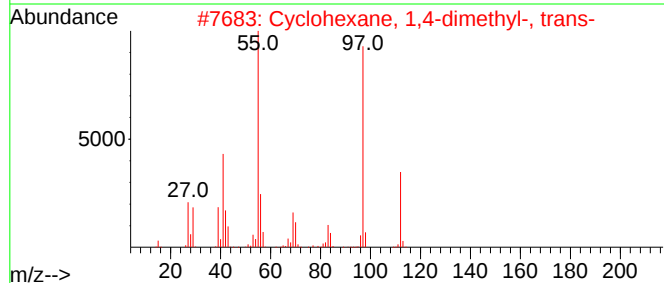
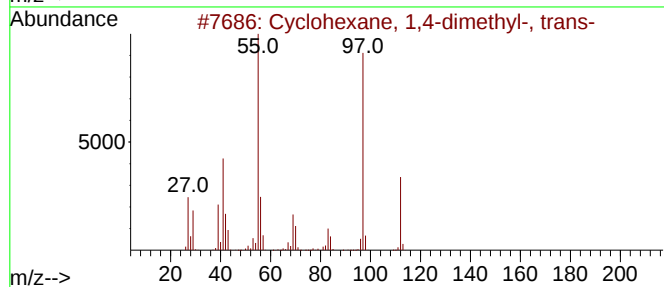
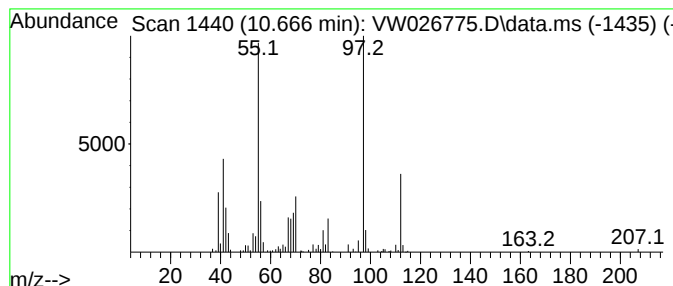
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Quant Title : SFAM01.0

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

Peak Number 17 (DEL) Alkane: Cyclic10.666 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.666	1.55 ug/L	89241	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	87
2		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	87
3		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	87
4		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
5		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

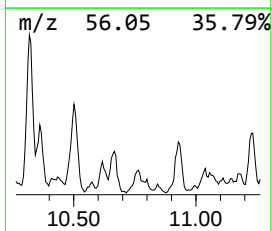
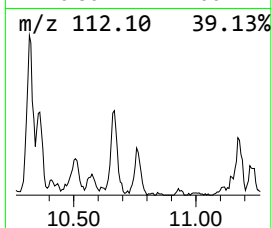
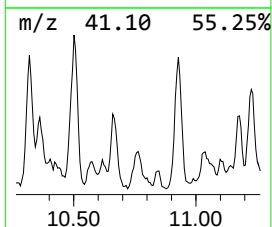
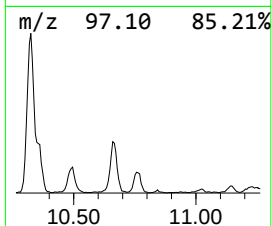
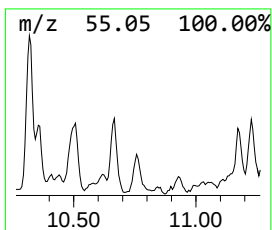
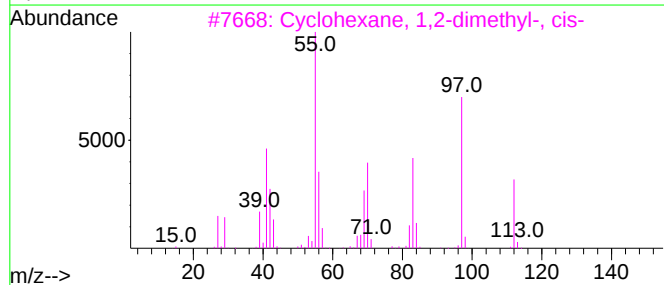
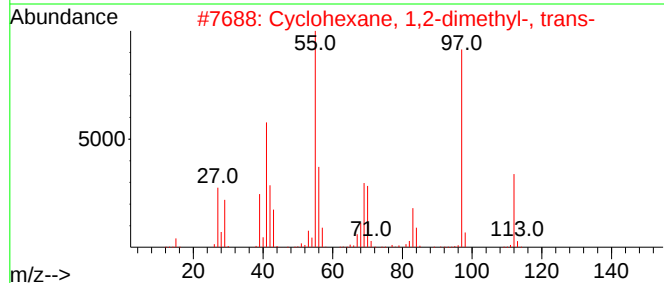
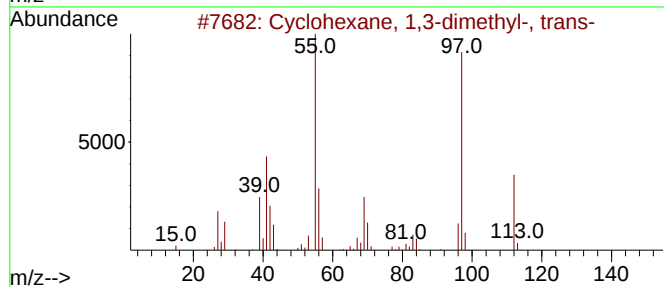
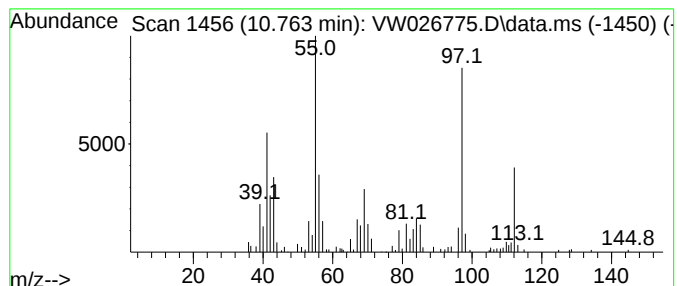
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Quant Title : SFAM01.0

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

Peak Number 18 (DEL) Alkane: Cyclic10.763 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.763	1.34 ug/L	76868	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
2			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
3			Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	87
4			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	87
5			Cyclohexane, 1,2-dimethyl-, (cis/...	112	C8H16	000583-57-3	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

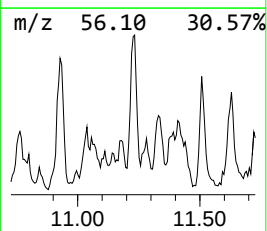
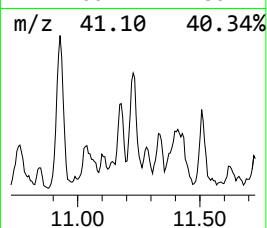
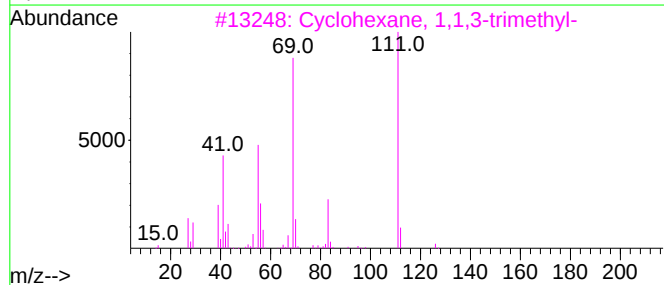
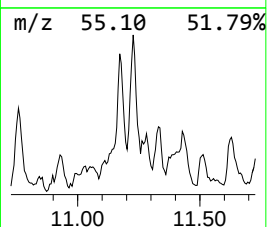
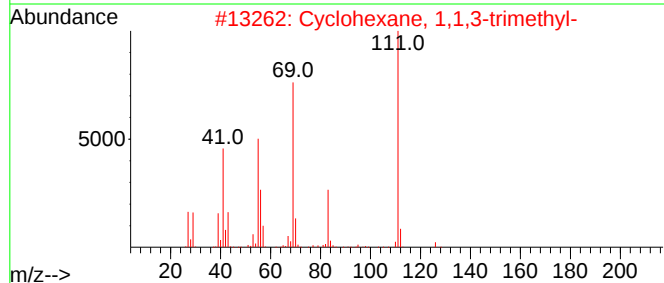
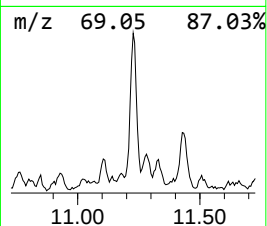
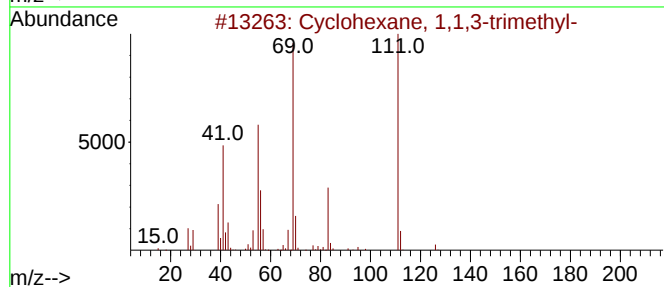
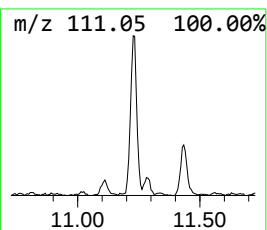
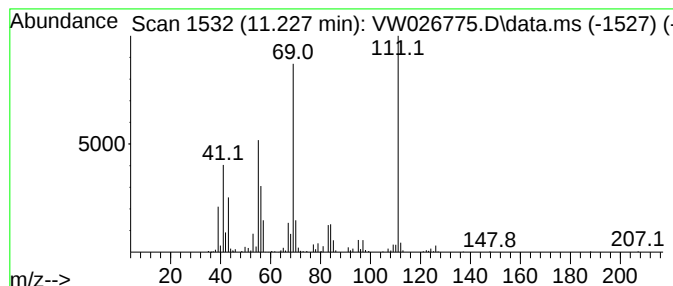
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Quant Title : SFAM01.0

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

Peak Number 19 (DEL) Alkane: Cyclic11.227 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.227	2.35 ug/L	135476	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	83
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	83
4			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	80
5			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

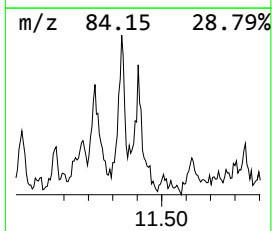
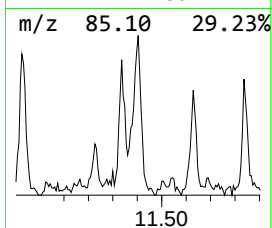
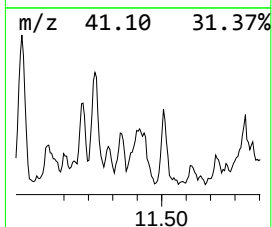
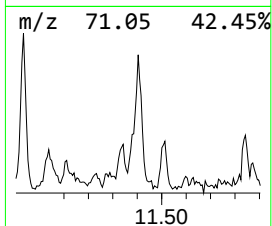
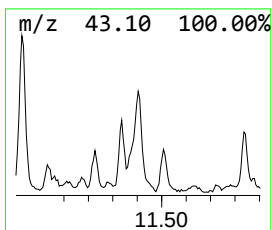
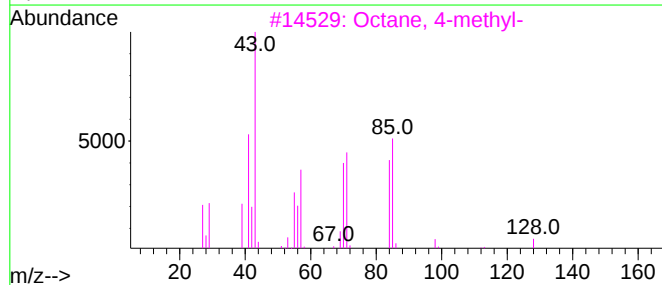
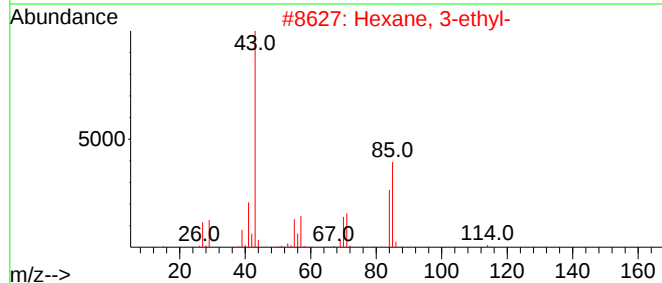
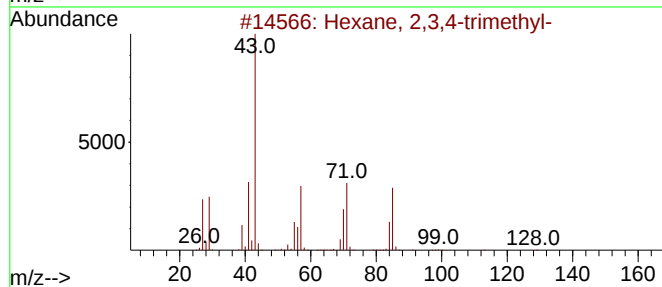
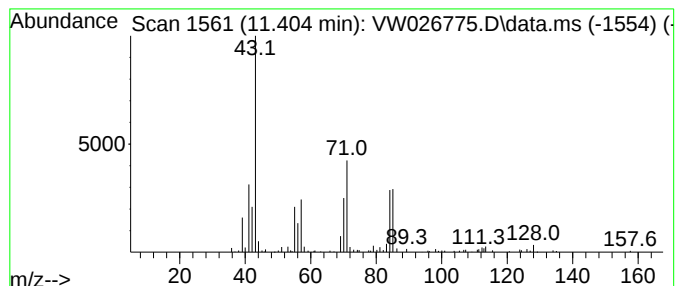
Instrument :
MSVOA_W
ClientSampleId :
EZYH2

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Quant Title : SFAM01.0

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.404	1.34 ug/L	76863	Chlorobenzene-d5		11.629	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Hexane, 2,3,4-trimethyl-		128	C9H20	000921-47-1	59
2	Hexane, 3-ethyl-		114	C8H18	000619-99-8	58
3	Octane, 4-methyl-		128	C9H20	002216-34-4	58
4	Octane, 2-methyl-		128	C9H20	003221-61-2	58
5	Hexane, 3-ethyl-		114	C8H18	000619-99-8	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

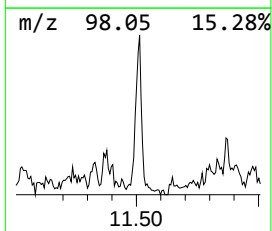
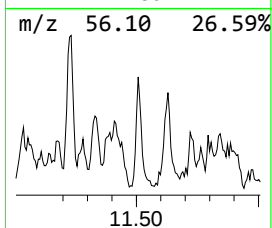
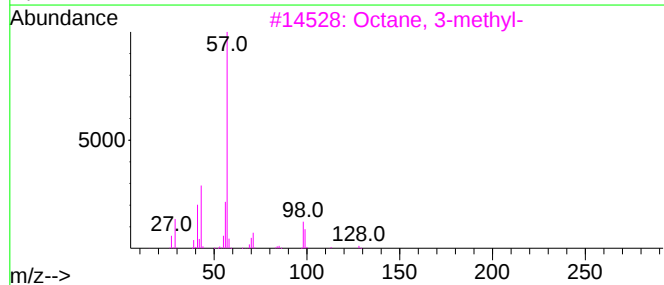
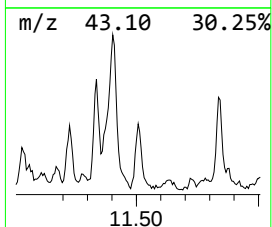
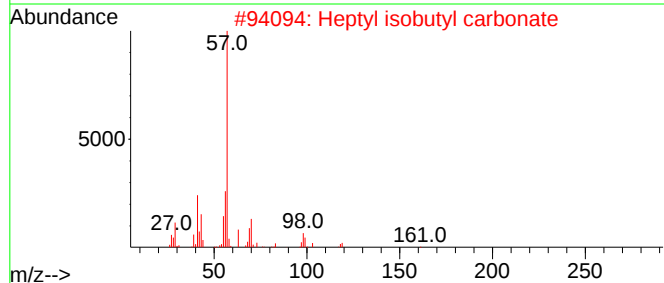
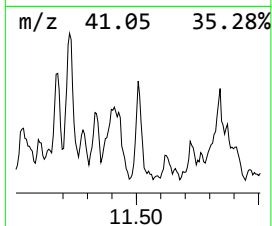
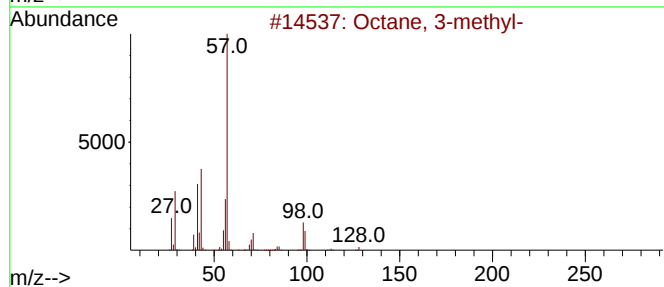
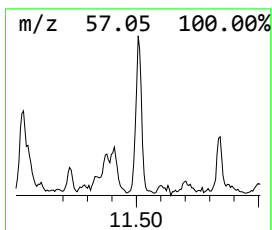
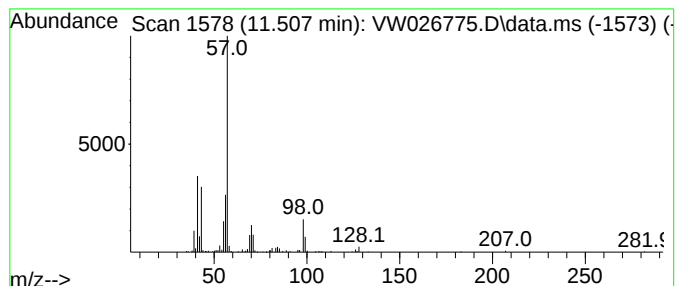
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Quant Title : SFAM01.0

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.507	1.39 ug/L	79753	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3-methyl-	128	C9H20	002216-33-3	64
2		Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	59
3		Octane, 3-methyl-	128	C9H20	002216-33-3	59
4		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	59
5		Octane, 3-methyl-	128	C9H20	002216-33-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

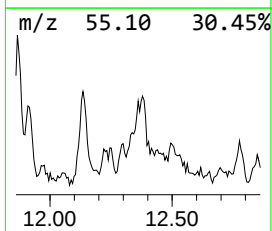
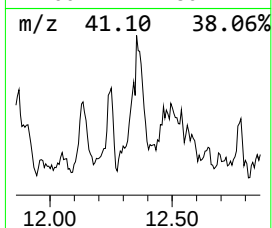
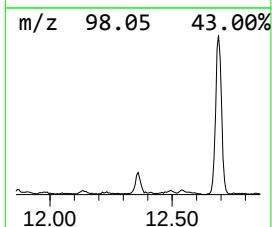
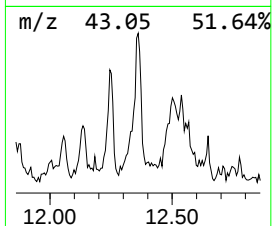
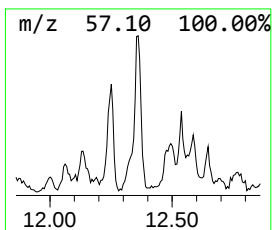
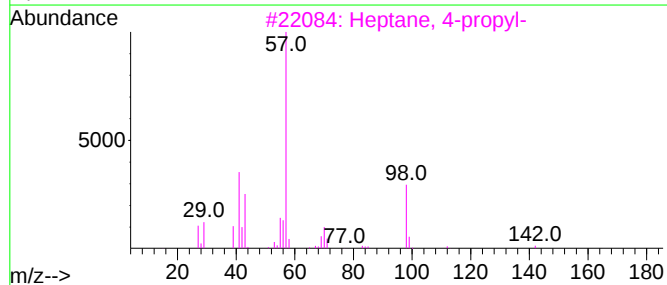
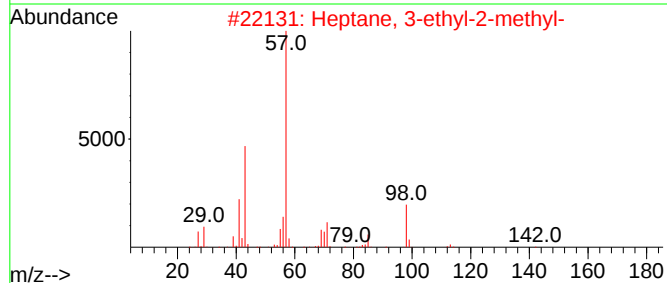
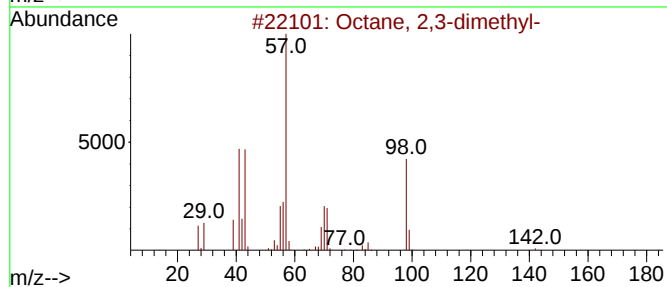
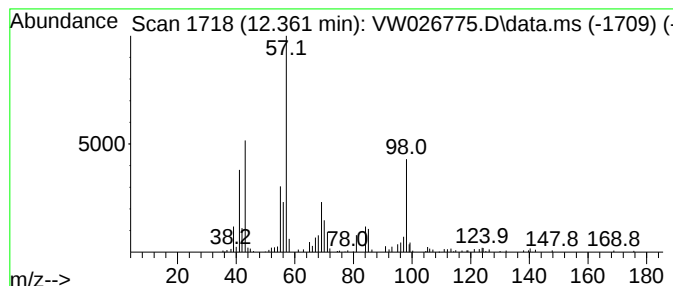
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Quant Title : SFAM01.0

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.361	2.25 ug/L	129576	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	58
2			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47
3			Heptane, 4-propyl-	142	C10H22	003178-29-8	47
4			Octane, 4,5-dipropyl-	198	C14H30	020905-05-9	47
5			Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

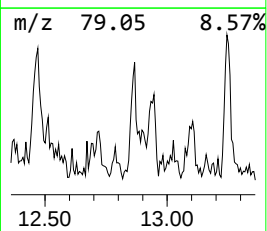
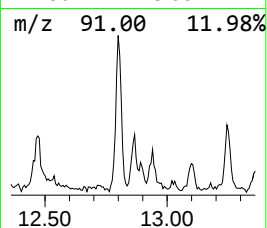
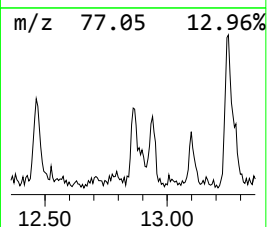
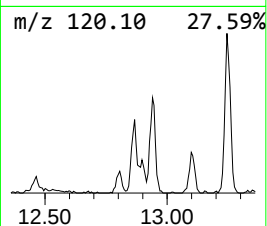
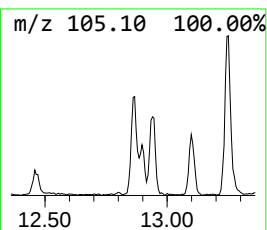
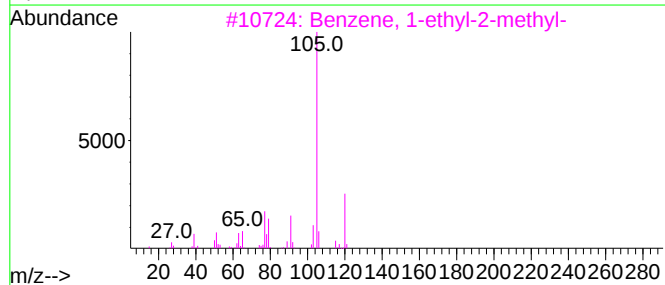
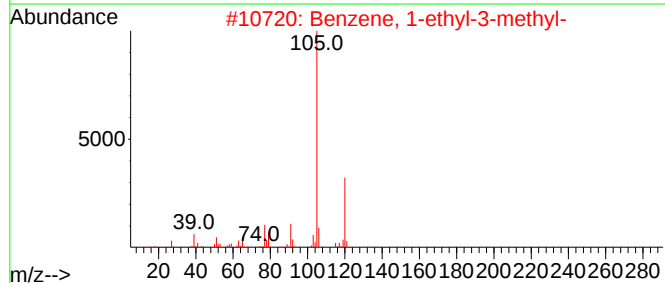
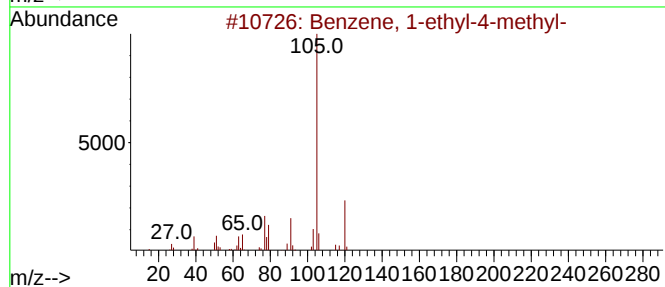
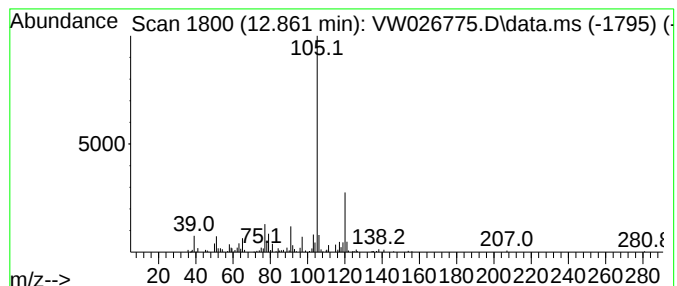
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Quant Title : SFAM01.0

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

Peak Number 24 Benzene, 1-ethyl-4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.861	2.50 ug/L	72554	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
2			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
3			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
4			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

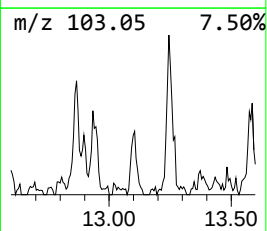
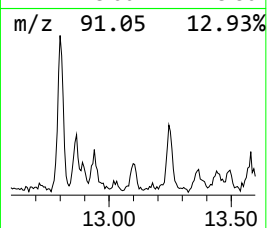
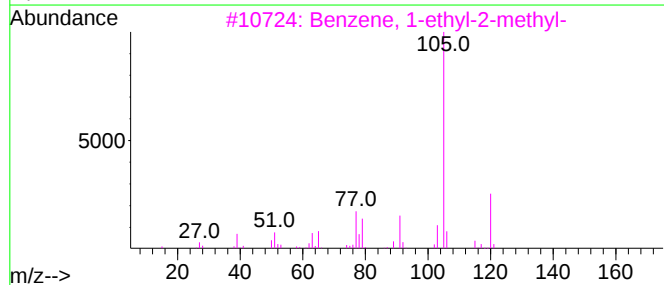
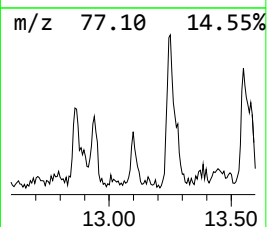
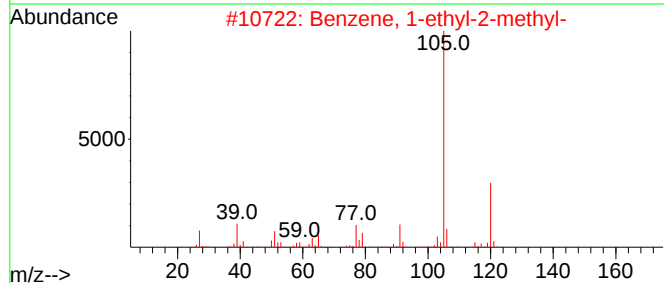
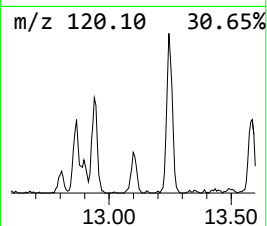
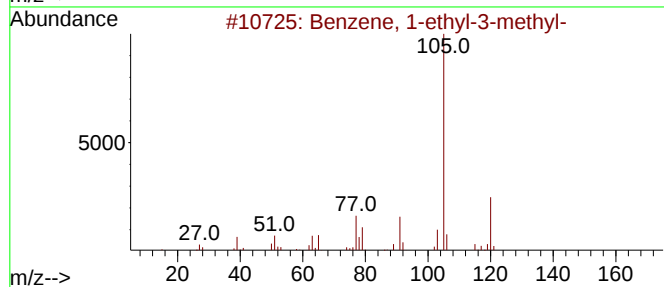
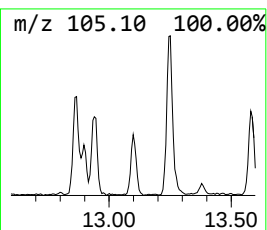
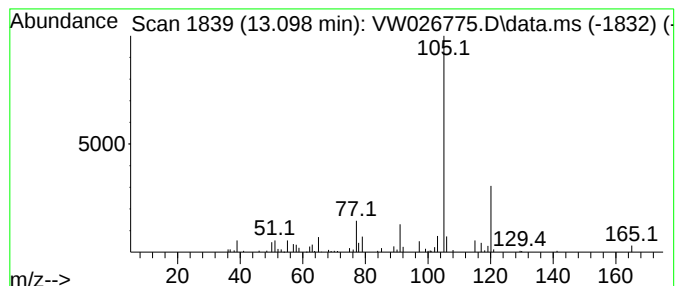
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Quant Title : SFAM01.0

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

Peak Number 25 Benzene, 1-ethyl-3-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.098	1.70 ug/L	49384	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
3			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
4			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87
5			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

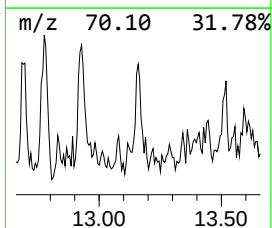
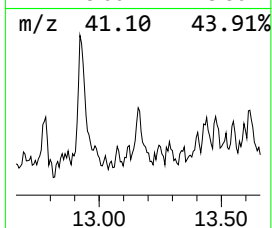
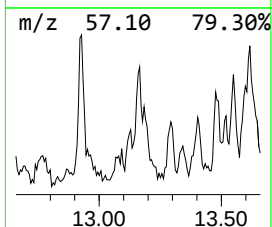
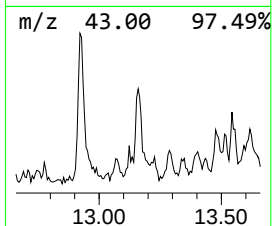
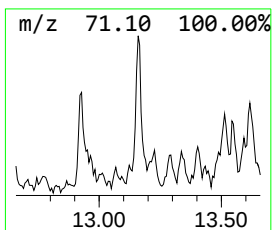
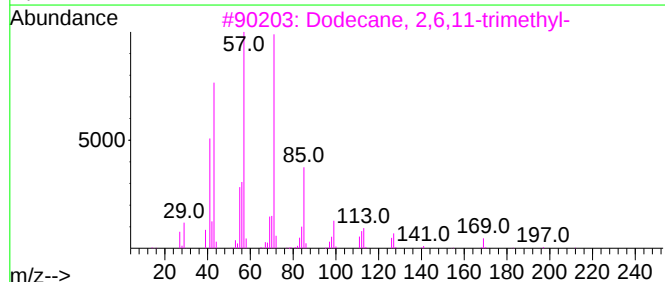
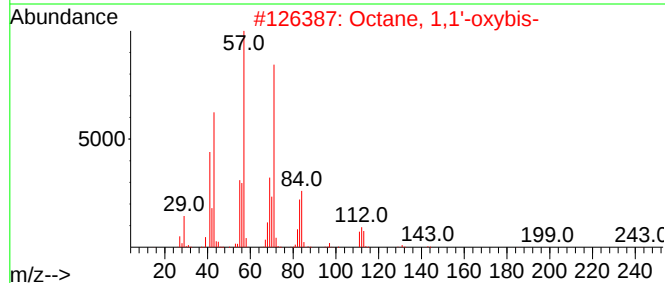
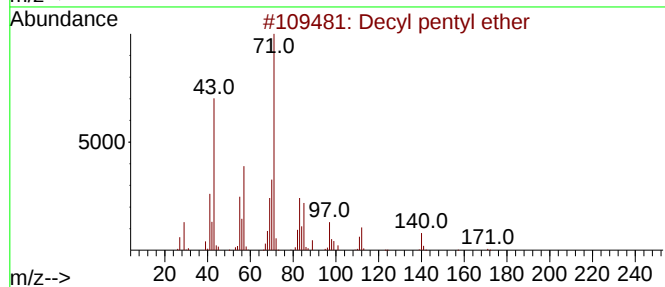
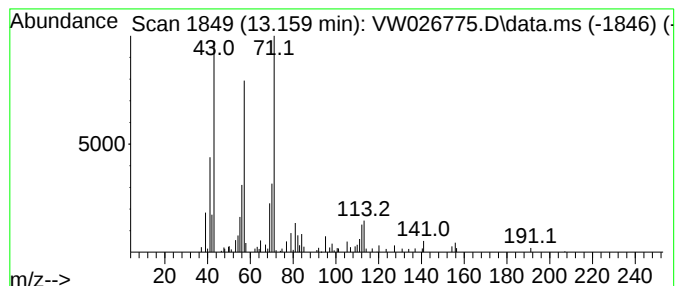
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Quant Title : SFAM01.0

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

Peak Number 26 Decyl pentyl ether Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.159	1.27 ug/L	37004	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decyl pentyl ether	228	C15H32O	1000406-41-5	64
2			Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	64
3			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
4			Oxalic acid, 2-ethylhexyl nonyl ...	328	C19H36O4	1000309-39-2	64
5			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

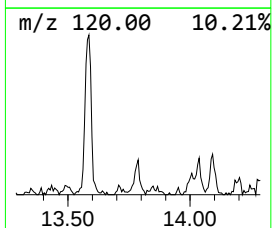
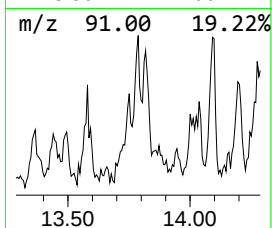
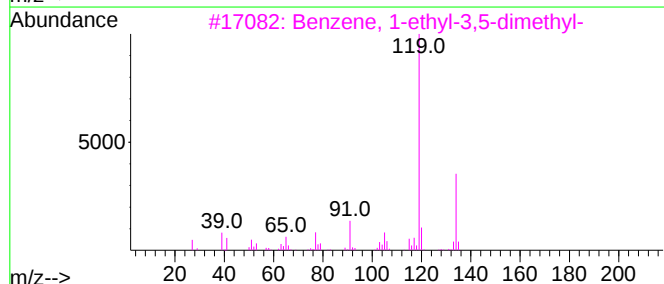
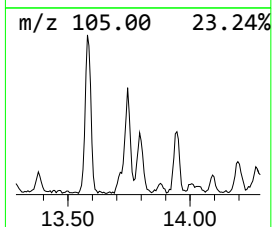
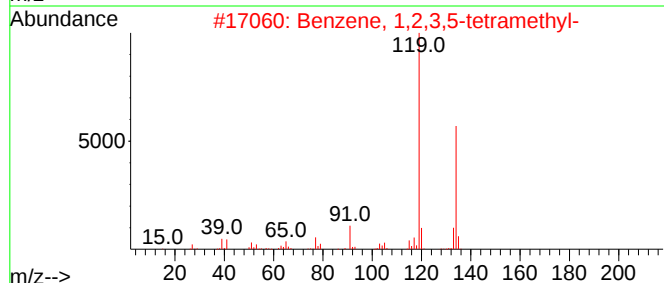
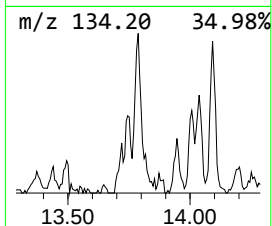
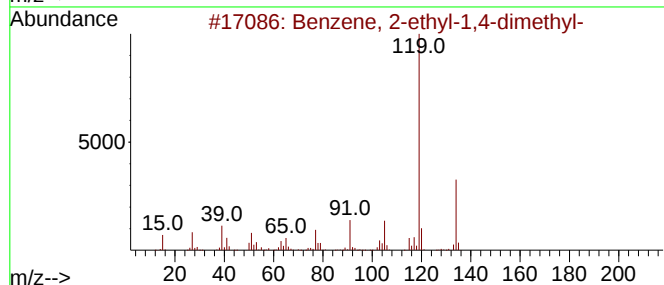
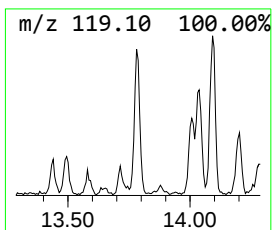
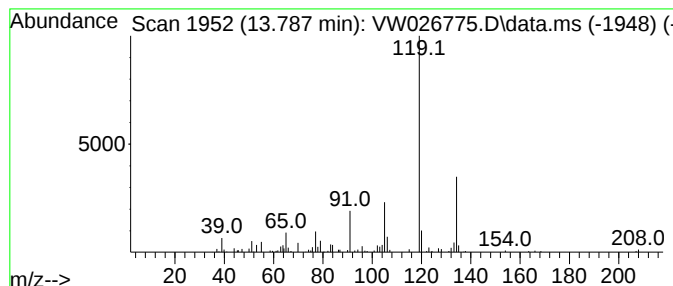
Instrument :
MSVOA_W
ClientSampleId :
EZYH2

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 27 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD			R.T.
13.787	1.28 ug/L	37171	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	80
2	Benzene, 1,2,3,5-tetramethyl-		134	C10H14	000527-53-7	74
3	Benzene, 1-ethyl-3,5-dimethyl-		134	C10H14	000934-74-7	72
4	Benzene, 1-ethyl-2,4-dimethyl-		134	C10H14	000874-41-9	72
5	Benzene, 1-ethyl-3,5-dimethyl-		134	C10H14	000934-74-7	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

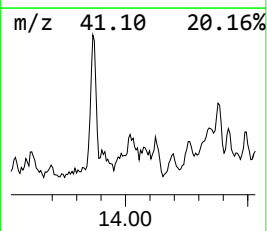
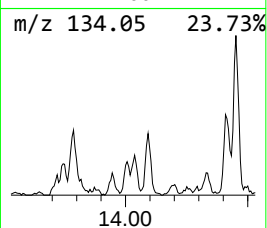
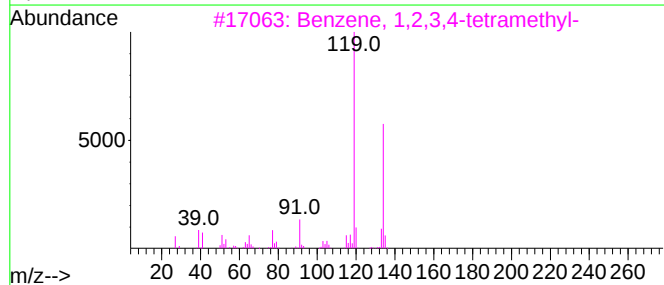
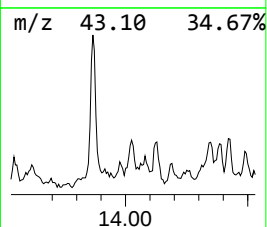
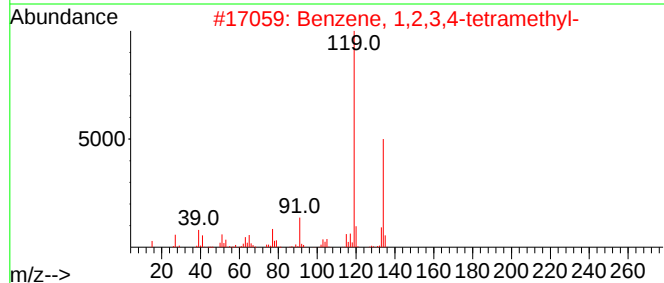
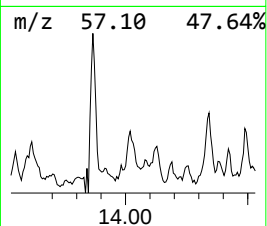
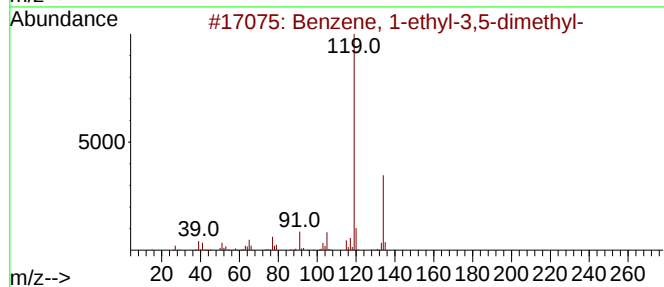
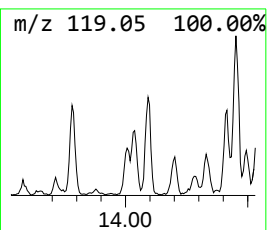
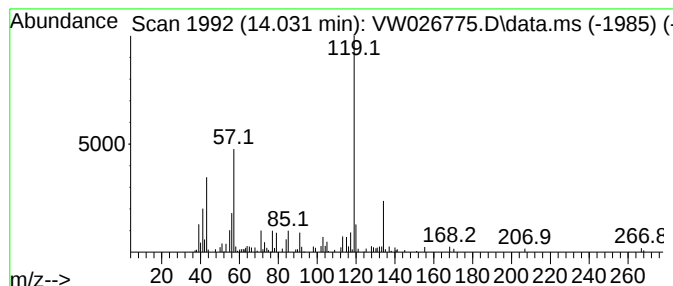
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MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 28 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.031	1.89 ug/L	54836	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	87
2	Benzene, 1,2,3,4-tetramethyl-		134	C10H14	000488-23-3	83
3	Benzene, 1,2,3,4-tetramethyl-		134	C10H14	000488-23-3	83
4	Benzene, 1,2,4,5-tetramethyl-		134	C10H14	000095-93-2	83
5	Benzene, 1-ethyl-3,5-dimethyl-		134	C10H14	000934-74-7	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

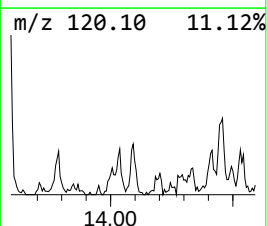
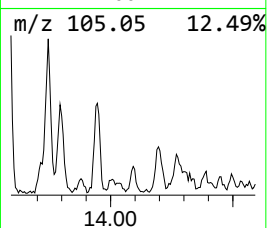
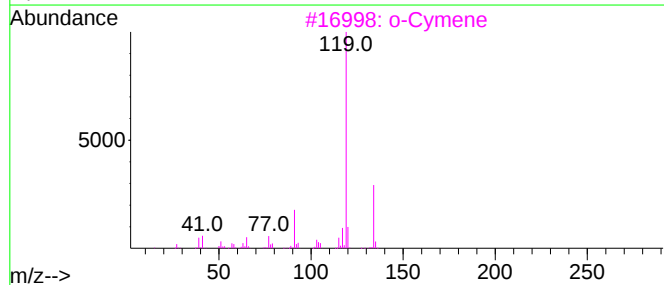
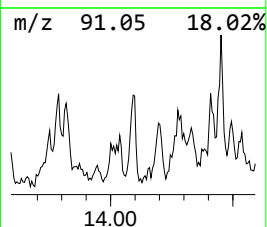
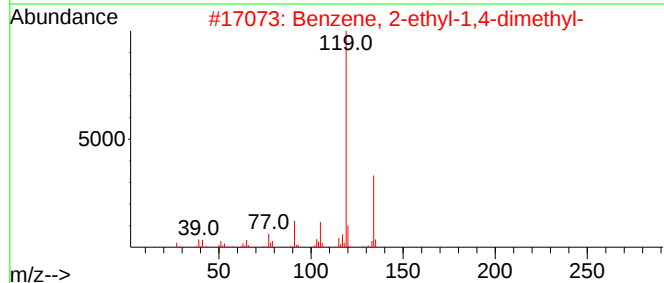
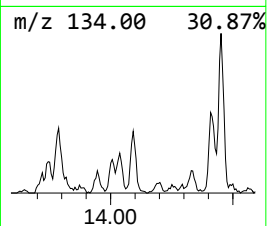
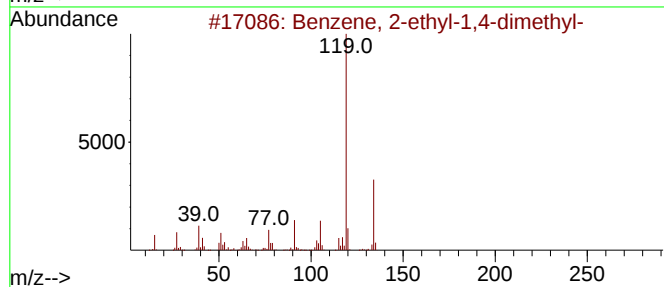
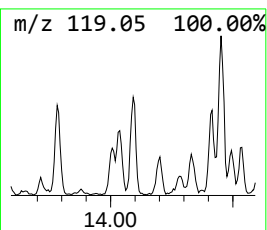
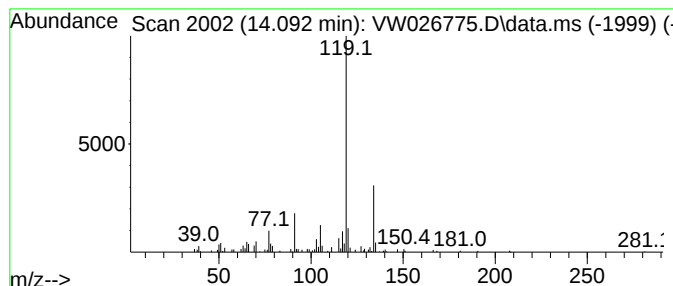
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Quant Title : SFAM01.0

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

Peak Number 29 o-Cymene Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.092	1.37 ug/L	39920	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	94
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
3			o-Cymene	134	C10H14	000527-84-4	93
4			p-Cymene	134	C10H14	000099-87-6	93
5			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

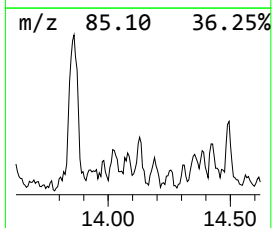
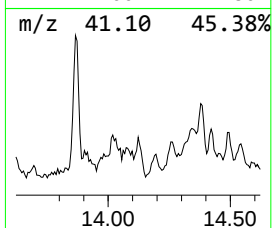
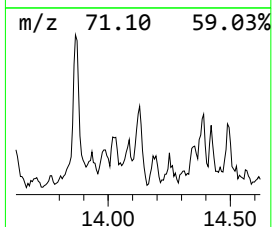
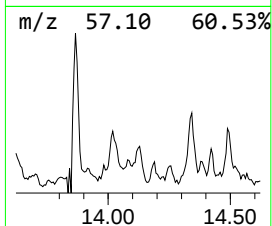
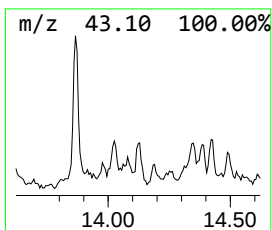
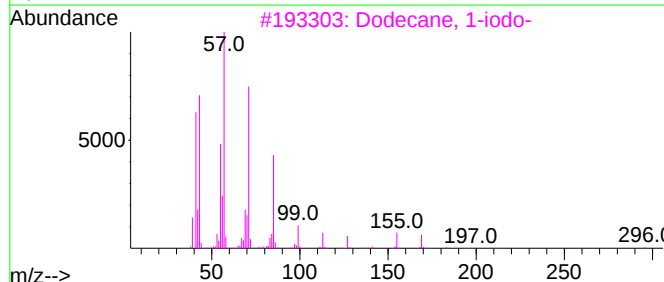
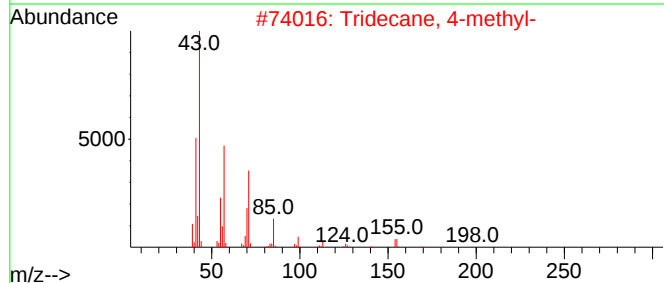
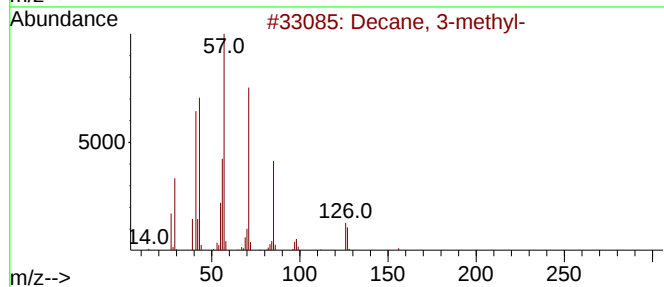
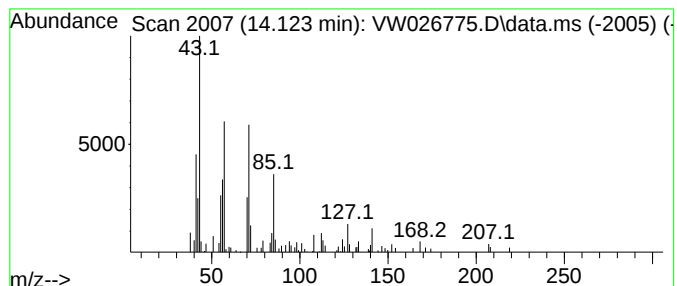
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Quant Title : SFAM01.0

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.123	1.43 ug/L	41621	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3-methyl-	156	C11H24	013151-34-3	50
2			Tridecane, 4-methyl-	198	C14H30	026730-12-1	47
3			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	47
4			Succinic acid, 2-fluorophenyl te...	296	C15H17F05	1000390-71-9	43
5			Octane	114	C8H18	000111-65-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

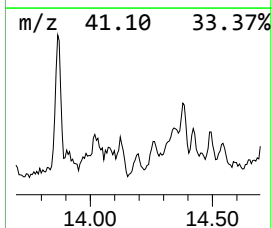
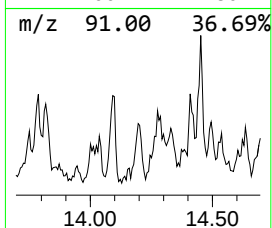
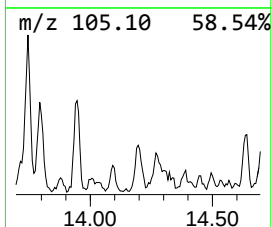
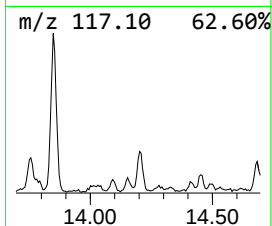
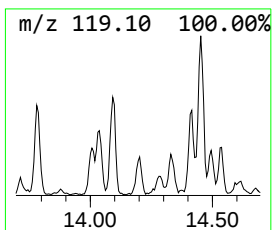
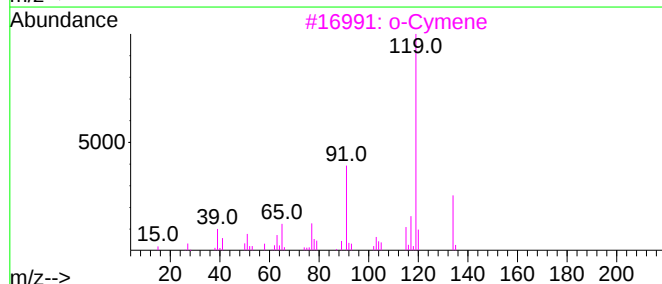
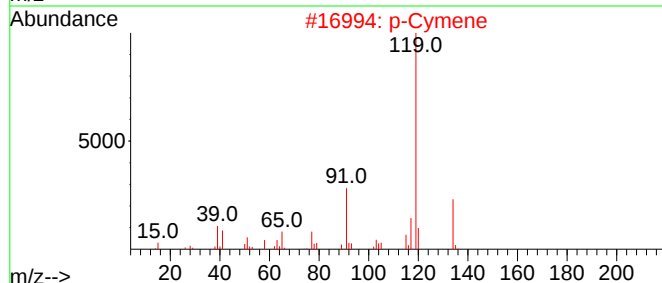
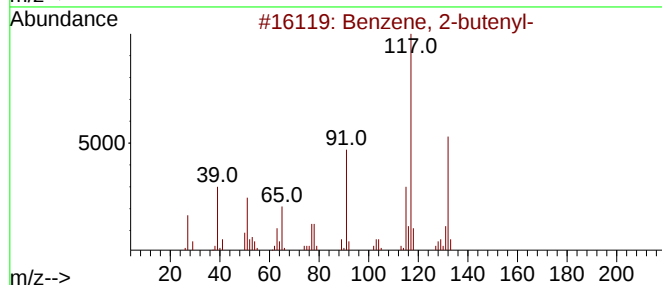
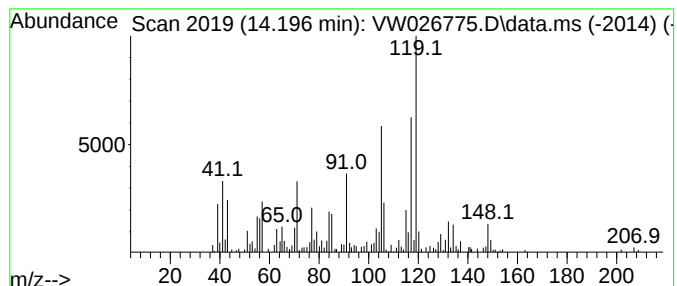
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Quant Title : SFAM01.0

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

Peak Number 31 Benzene, 2-butenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.196	2.50 ug/L	72610	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
2			p-Cymene	134	C10H14	000099-87-6	43
3			o-Cymene	134	C10H14	000527-84-4	43
4			Pyridine, 5-ethenyl-2-methyl-	119	C8H9N	000140-76-1	42
5			4-Aminostyrene	119	C8H9N	001520-21-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

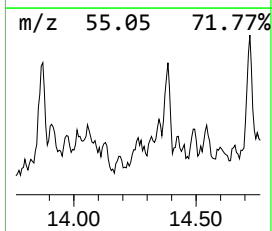
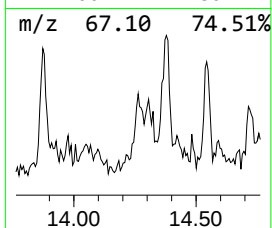
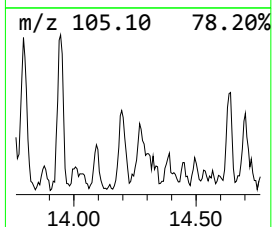
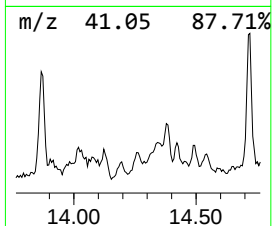
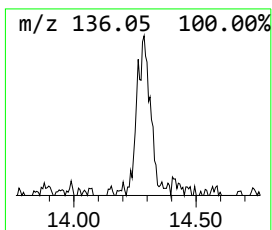
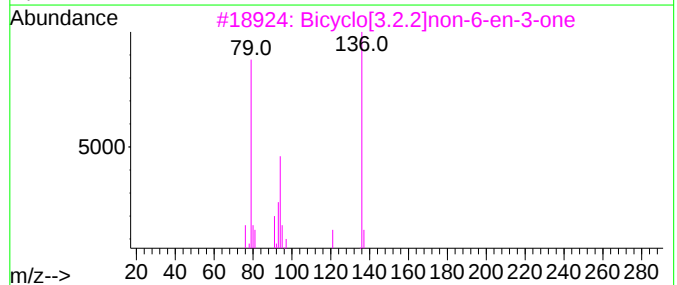
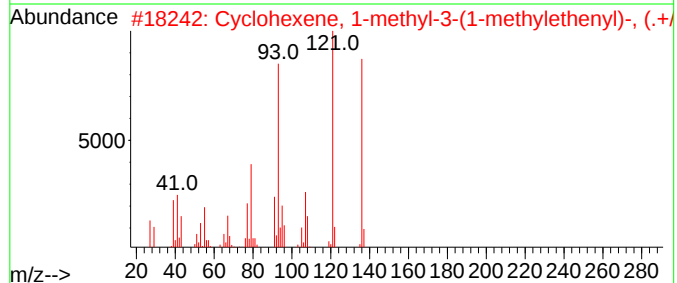
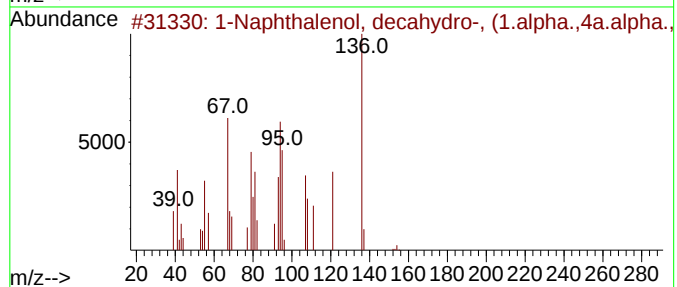
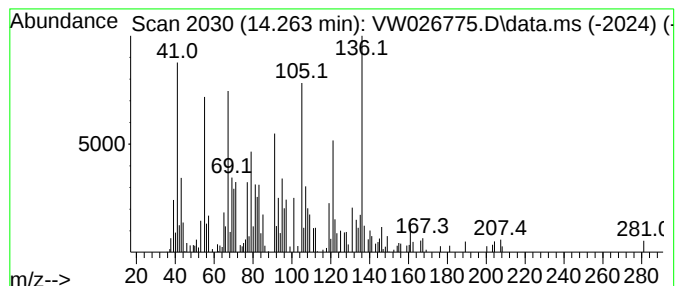
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Quant Title : SFAM01.0

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

Peak Number 32 unknown-02 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.263	1.60 ug/L	46545	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Naphthalenol, decahydro-, (1.a...	154	C10H18O	014759-74-1	46
2			Cyclohexene, 1-methyl-3-(1-methy...	136	C10H16	000499-03-6	46
3			Bicyclo[3.2.2]non-6-en-3-one	136	C9H12O	100072-31-7	38
4			Benzene, 1-fluoro-4-(1-methyleth...	136	C9H9F	000350-40-3	30
5			1,3-Bis(cyclopentyl)-1-cyclopentene	204	C15H24	1000215-55-1	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

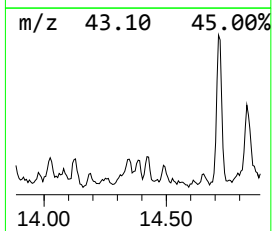
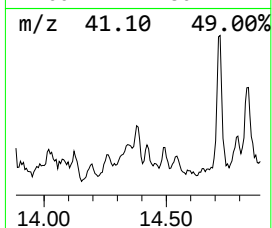
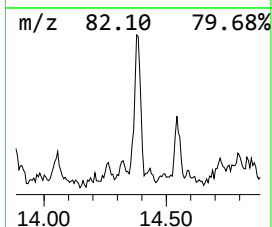
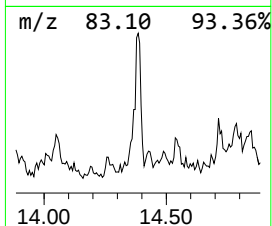
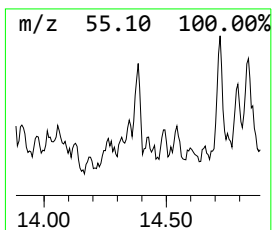
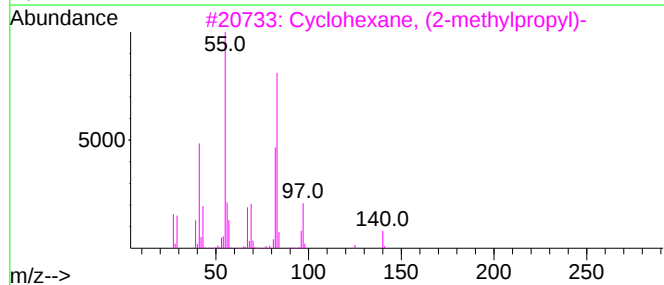
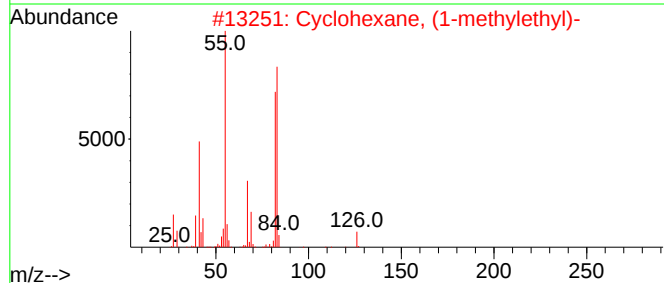
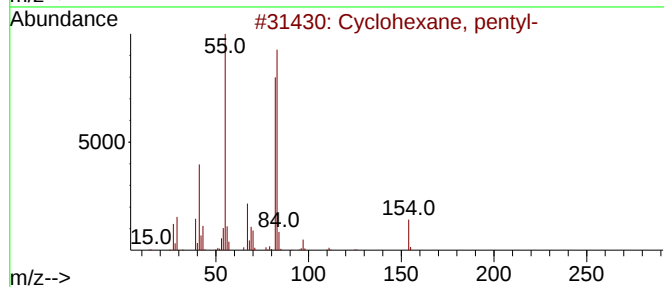
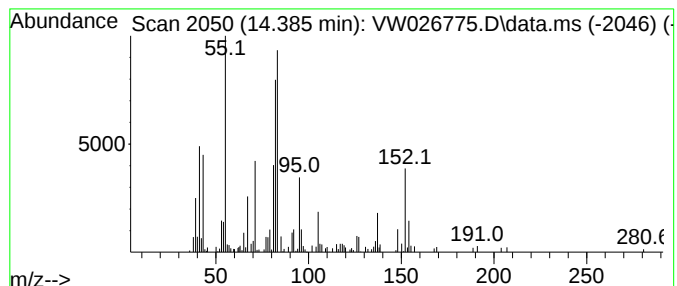
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Quant Title : SFAM01.0

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

Peak Number 33 (DEL) Alkane: Cyclic14.385 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.385	1.56 ug/L	45315	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, pentyl-	154	C11H22	004292-92-6	46
2			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	43
3			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	43
4			acetic acid, 2,2,2-trifluoro-, [...	278	C14H21F3O2	1000397-13-2	43
5			Cyclohexane, pentyl-	154	C11H22	004292-92-6	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

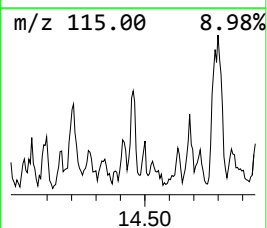
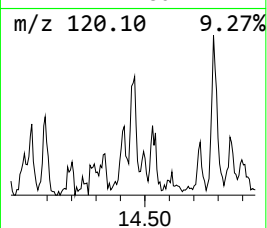
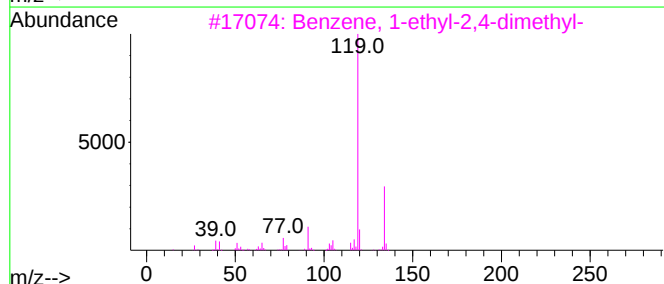
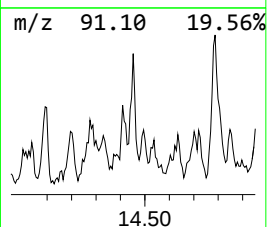
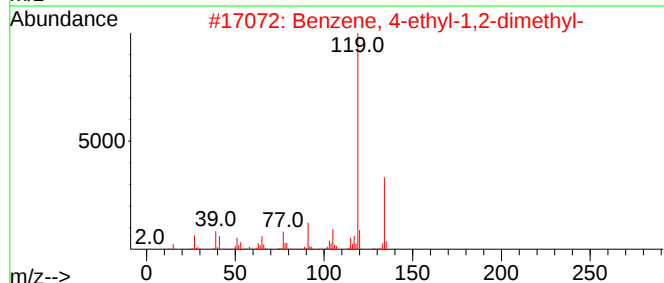
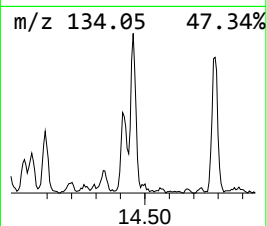
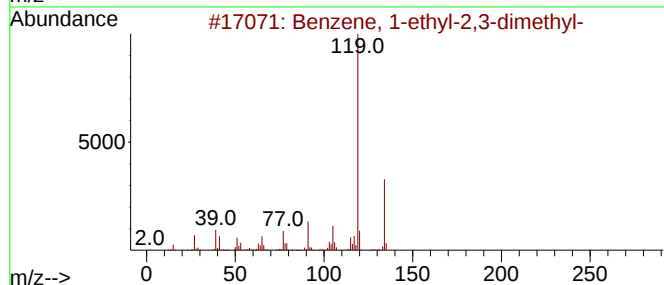
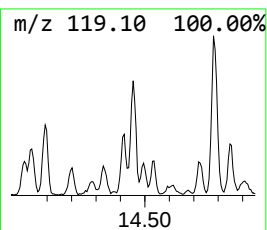
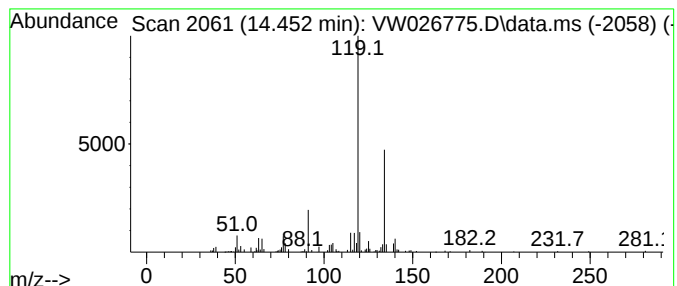
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Quant Title : SFAM01.0

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

Peak Number 34 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.452	2.10 ug/L	60920	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
2			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87
3			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	87
4			p-Cymene	134	C10H14	000099-87-6	87
5			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

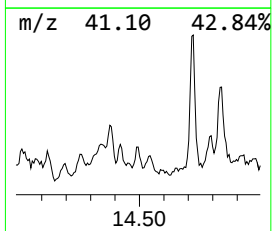
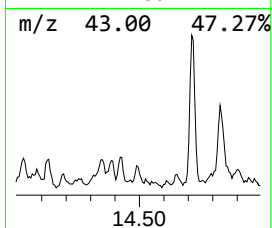
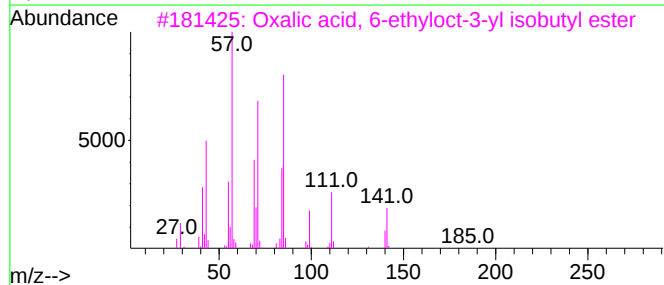
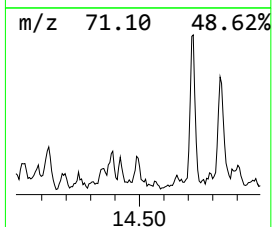
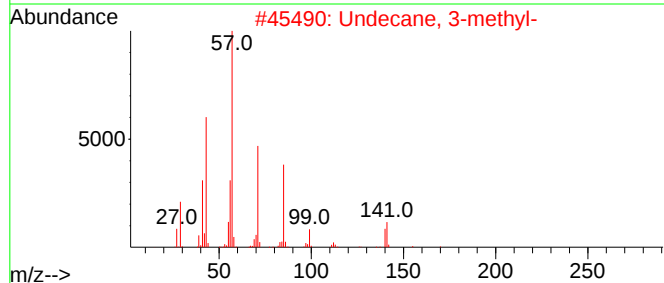
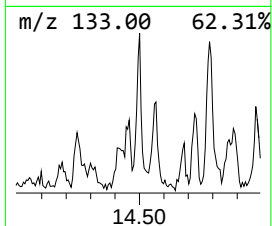
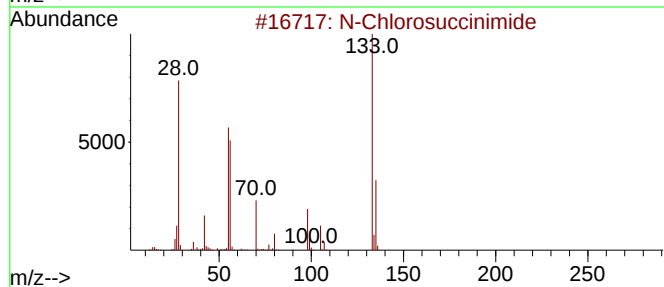
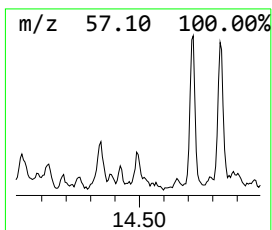
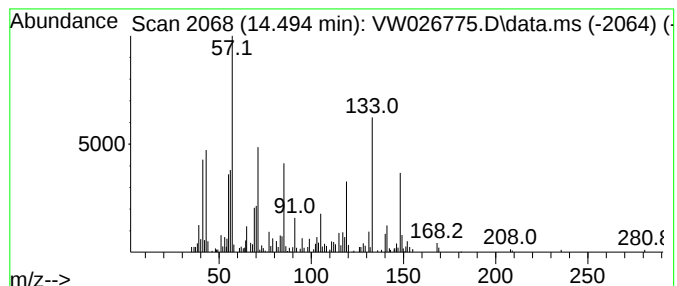
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Quant Title : SFAM01.0

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

Peak Number 35 unknown-03 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.495	1.48 ug/L	43007	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			N-Chlorosuccinimide	133	C4H4ClNO2	000128-09-6	27
2			Undecane, 3-methyl-	170	C12H26	001002-43-3	27
3			Oxalic acid, 6-ethyloct-3-yl iso...	286	C16H30O4	1010309-34-1	27
4			Oxalic acid, isobutyl octyl ester	258	C14H26O4	1000309-37-3	22
5			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

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

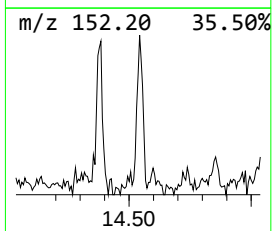
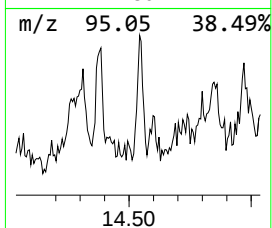
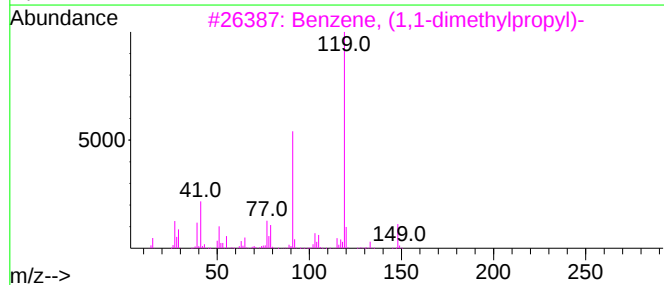
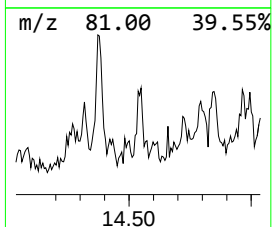
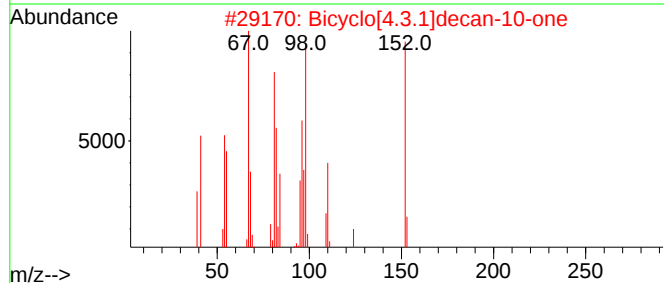
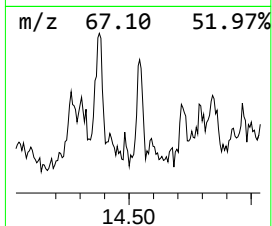
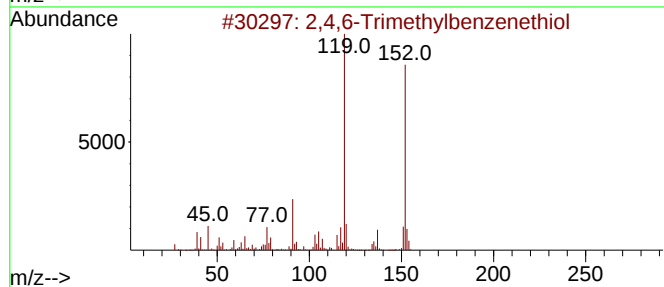
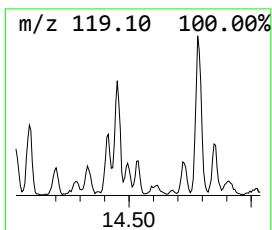
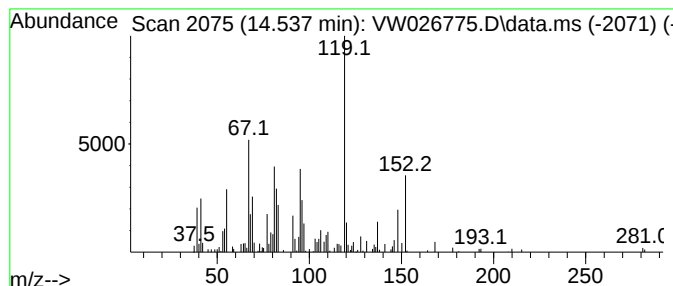
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 36 unknown-04

Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.537	2.08 ug/L	60336	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2,4,6-Trimethylbenzenethiol	152	C9H12S	001541-10-2	38
2		Bicyclo[4.3.1]decan-10-one	152	C10H16O	020440-21-5	30
3		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	27
4		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	27
5		Nornicotine	148	C9H12N2	000494-97-3	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

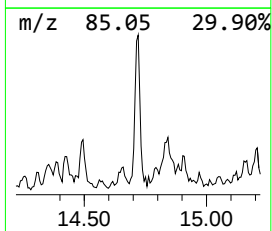
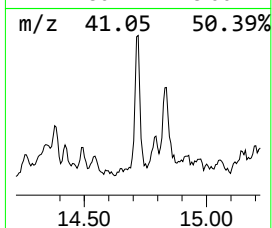
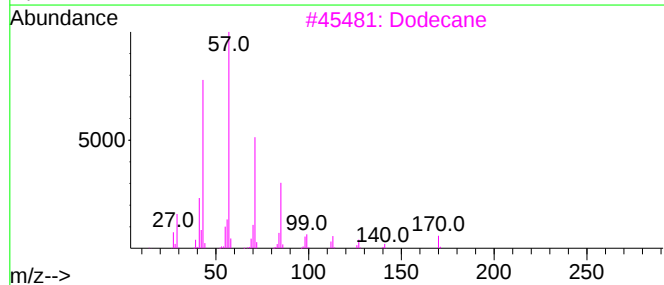
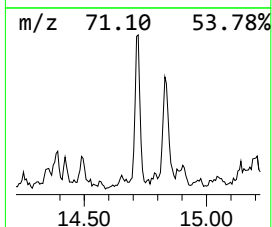
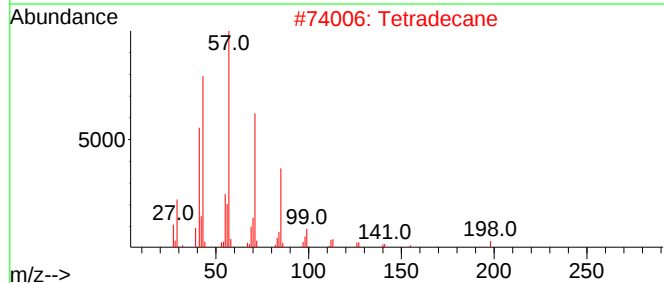
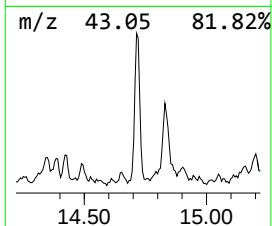
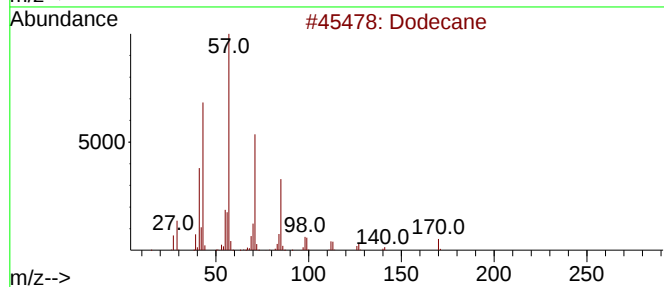
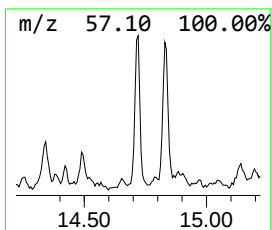
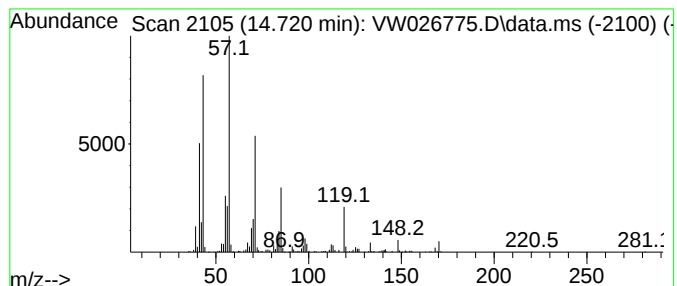
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Quant Title : SFAM01.0

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

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.720	6.60 ug/L	191729	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane	170	C12H26	000112-40-3	81
2		Tetradecane	198	C14H30	000629-59-4	64
3		Dodecane	170	C12H26	000112-40-3	62
4		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	58
5		Undecane	156	C11H24	001120-21-4	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

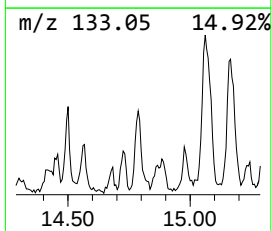
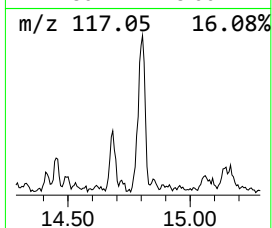
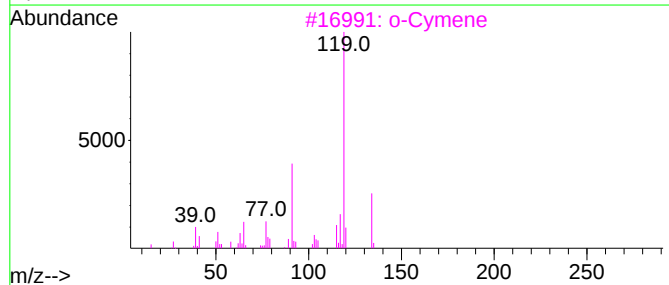
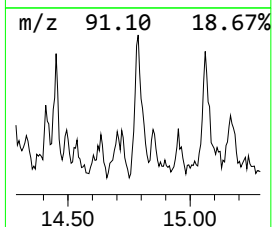
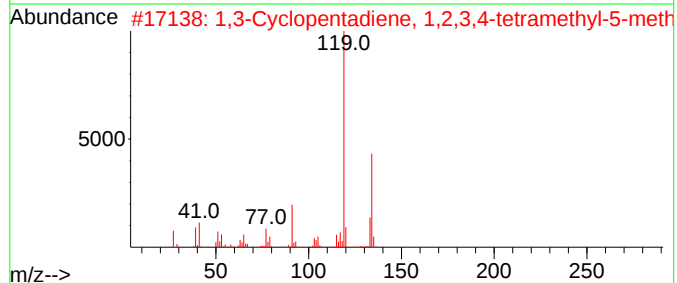
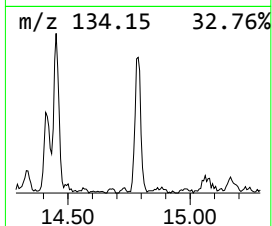
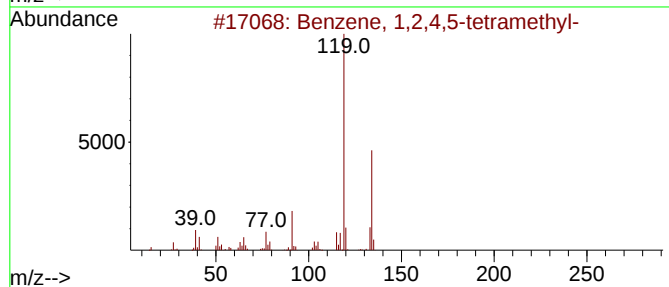
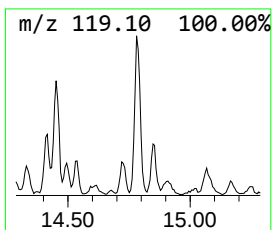
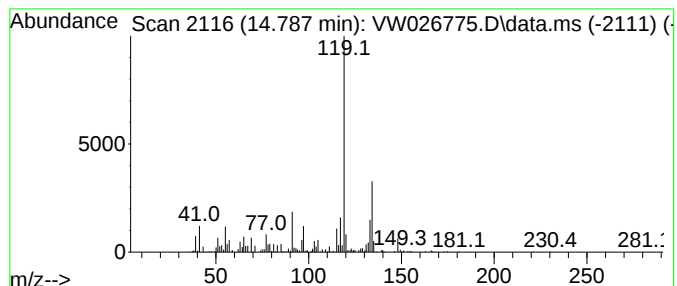
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Quant Title : SFAM01.0

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

Peak Number 38 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.787	6.20 ug/L	180179	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
3			o-Cymene	134	C10H14	000527-84-4	89
4			p-Cymene	134	C10H14	000099-87-6	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 : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

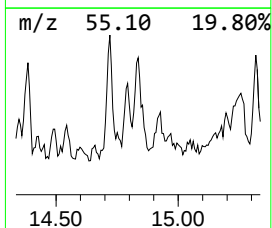
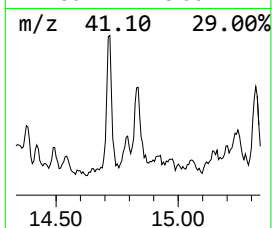
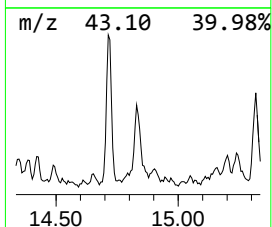
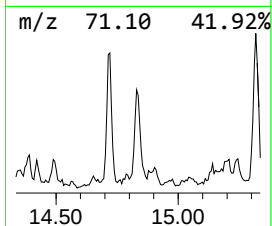
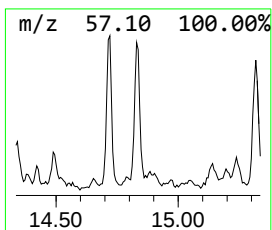
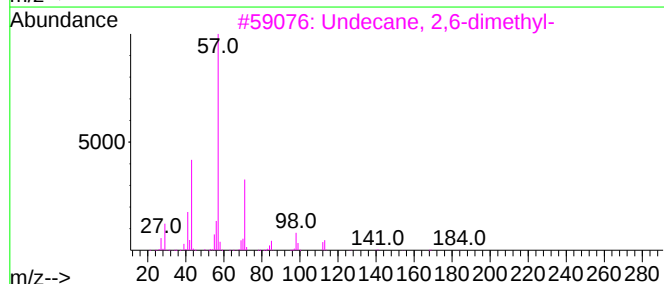
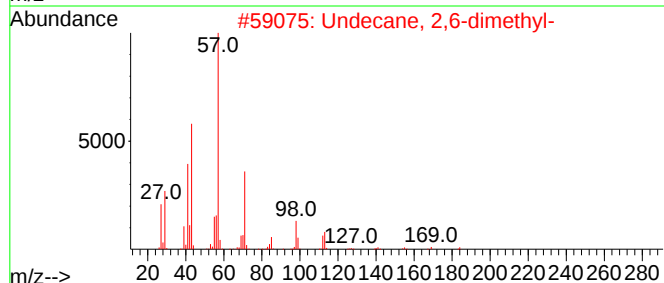
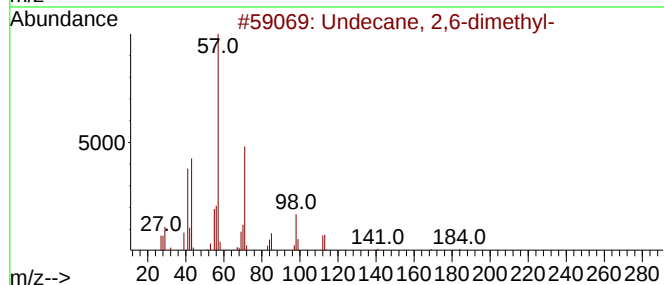
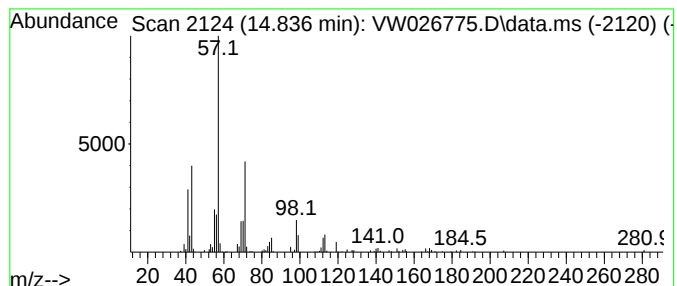
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Quant Title : SFAM01.0

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

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.836	6.07 ug/L	176314	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	94
2		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
3		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
4		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	83
5		Heptane, 3-(bromomethyl)-	192	C8H17Br	018908-66-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

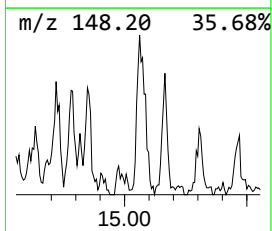
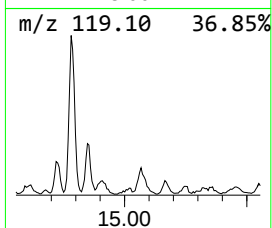
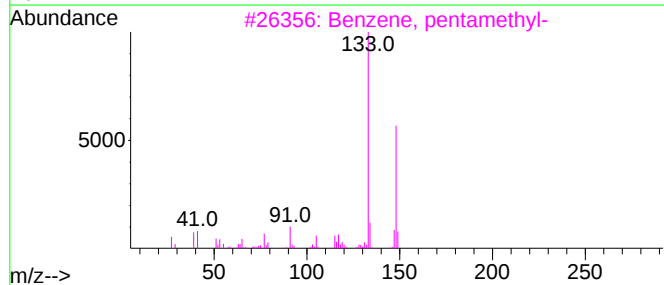
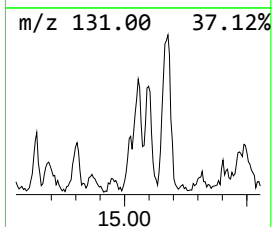
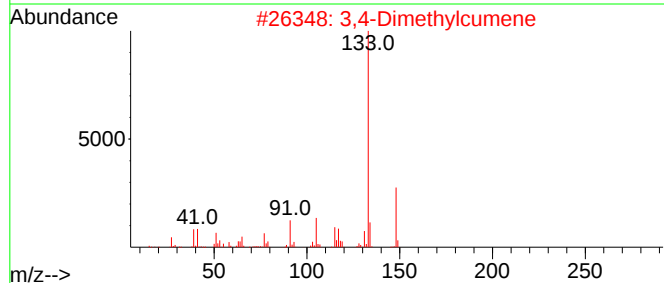
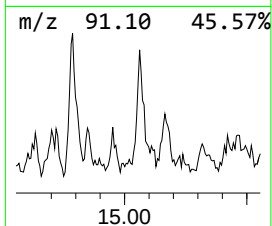
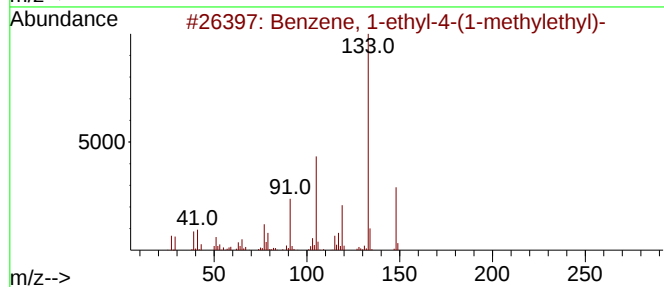
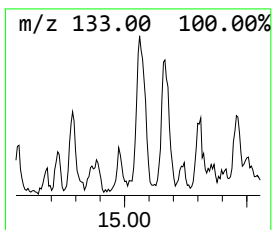
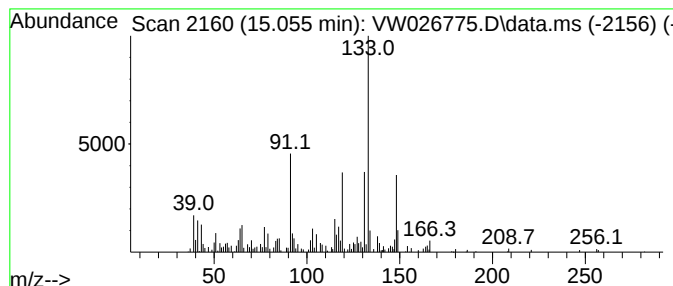
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Quant Title : SFAM01.0

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

Peak Number 40 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.055	2.46 ug/L	71456	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	72
2			3,4-Dimethylcumene	148	C11H16	1000370-34-1	64
3			Benzene, pentamethyl-	148	C11H16	000700-12-9	64
4			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	62
5			Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

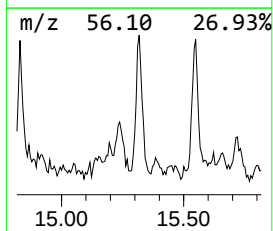
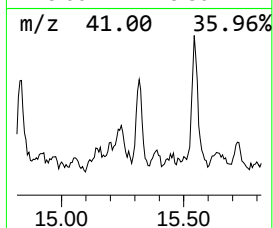
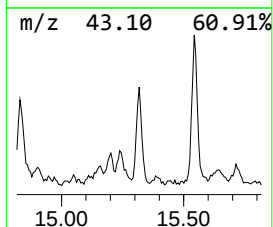
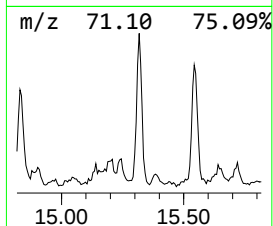
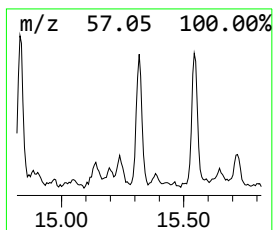
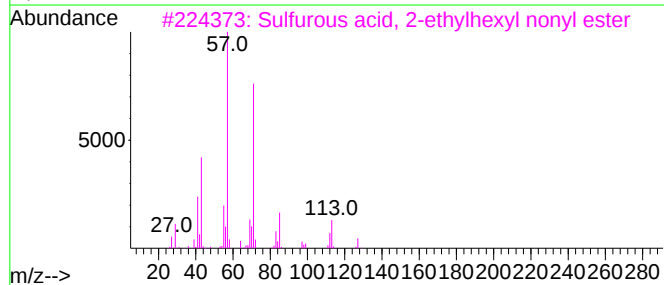
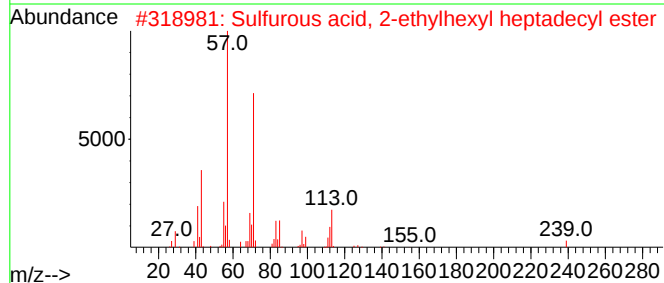
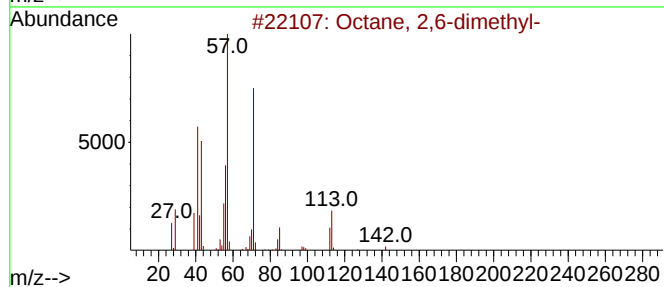
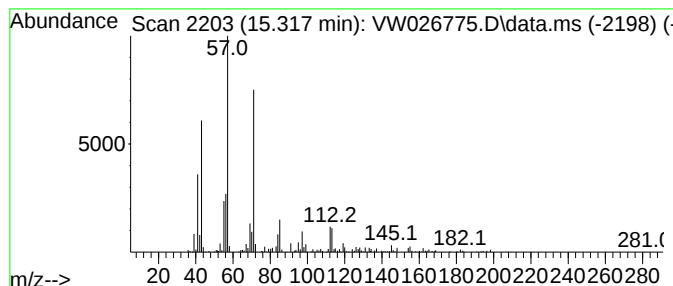
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Quant Title : SFAM01.0

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.318	5.77 ug/L	167579	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	86
2			Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	72
3			Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	72
4			Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	72
5			Octane, 3-ethyl-	142	C10H22	005881-17-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

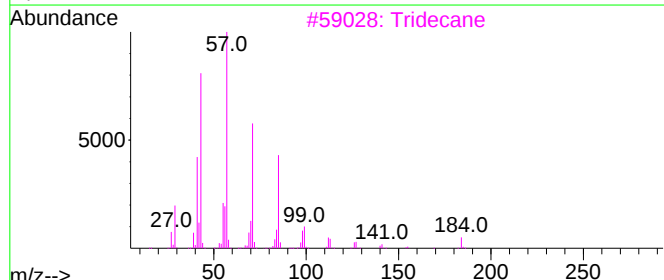
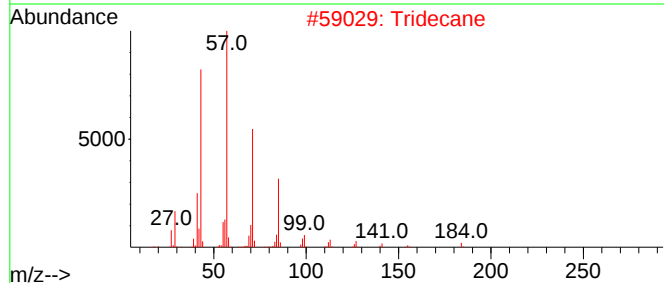
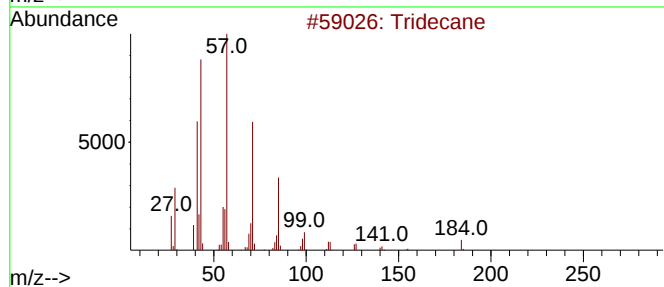
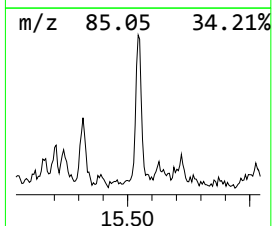
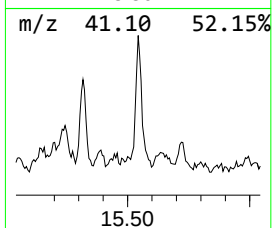
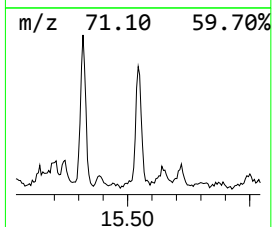
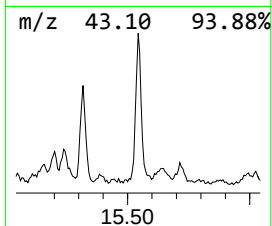
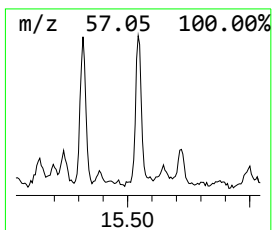
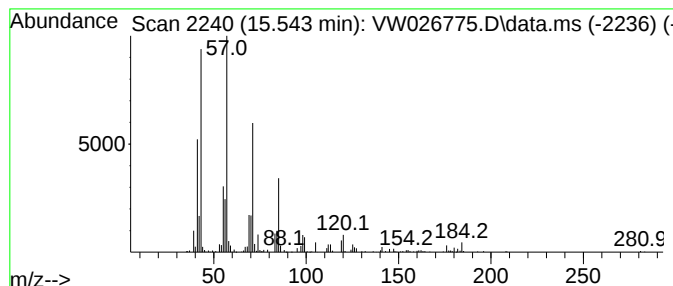
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Quant Title : SFAM01.0

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

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.543	7.89 ug/L	229400	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	91
2			Tridecane	184	C13H28	000629-50-5	81
3			Tridecane	184	C13H28	000629-50-5	81
4			Tetradecane	198	C14H30	000629-59-4	80
5			Undecane	156	C11H24	001120-21-4	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

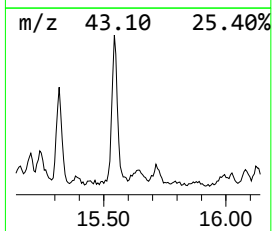
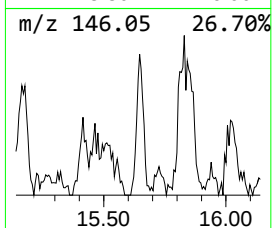
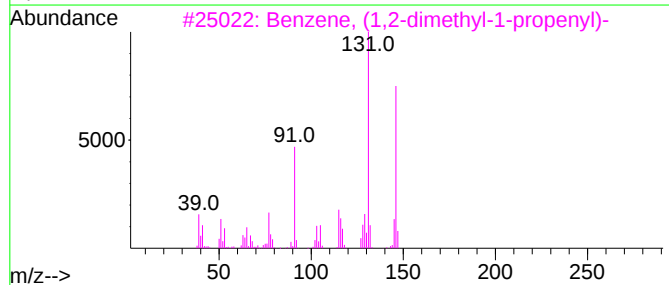
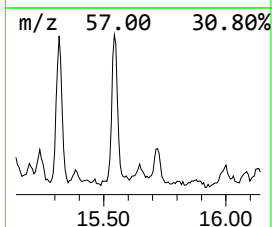
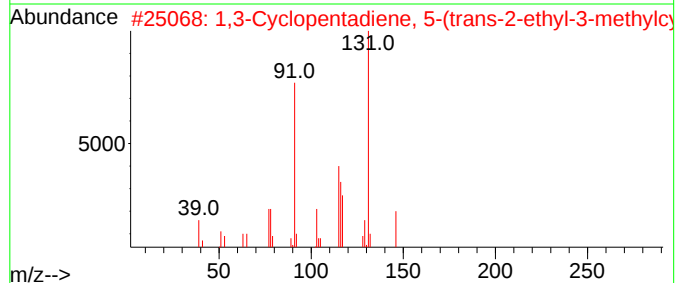
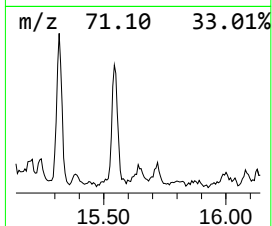
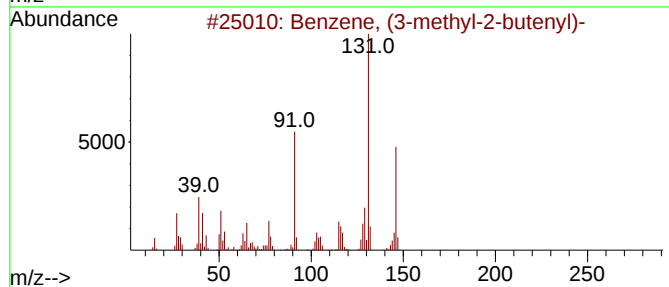
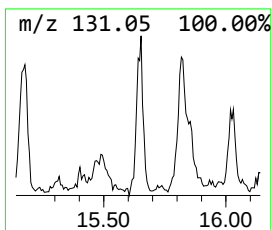
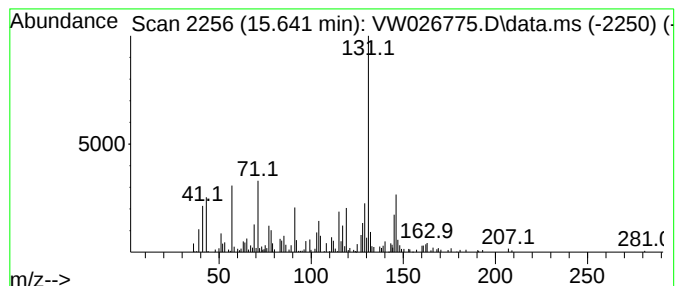
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Quant Title : SFAM01.0

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

Peak Number 43 Benzene, (3-methyl-2-butenyl)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.641	3.02 ug/L	87915	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	87
2			1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	76
3			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	76
4			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	74
5			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

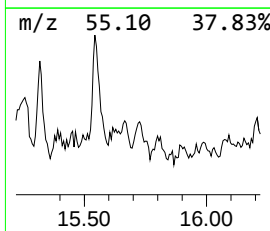
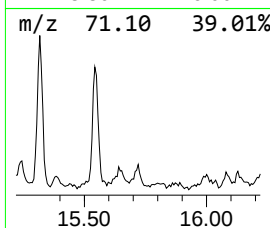
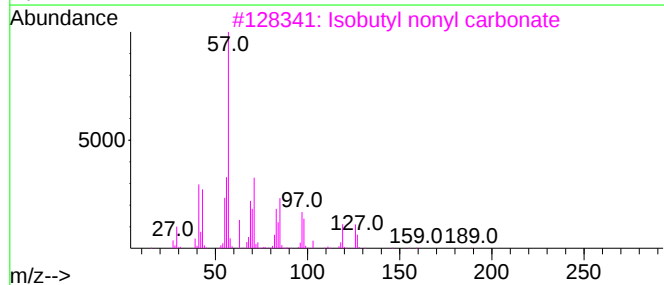
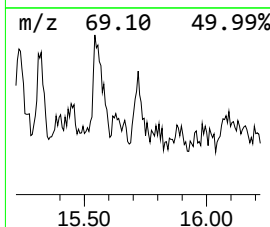
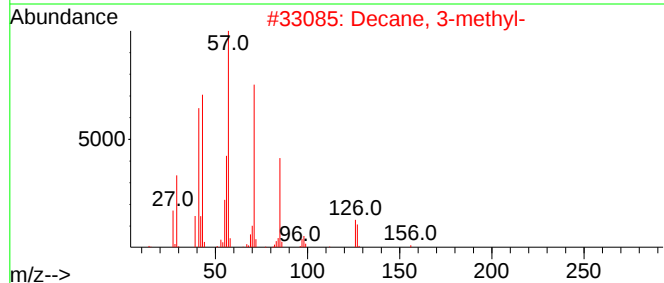
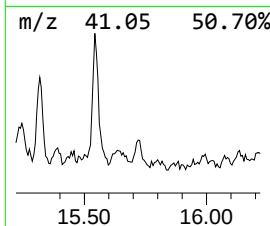
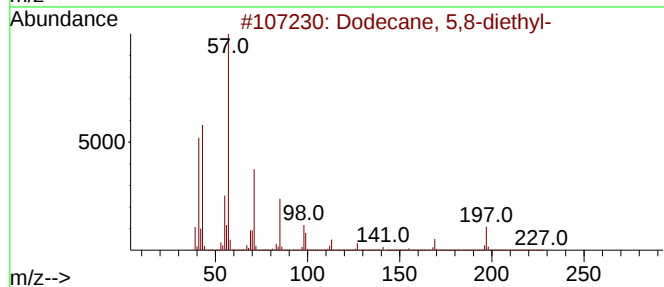
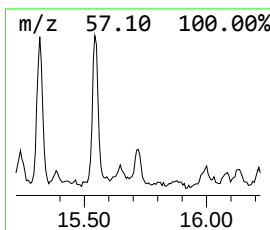
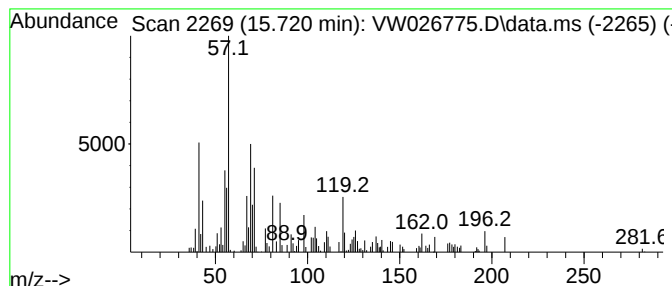
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Quant Title : SFAM01.0

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

Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.720	1.91 ug/L	55461	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 5,8-diethyl-	226	C16H34	024251-86-3	38
2			Decane, 3-methyl-	156	C11H24	013151-34-3	38
3			Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	37
4			Oxalic acid, allyl undecyl ester	284	C16H28O4	1000309-23-9	35
5			Carbonic acid, dodecyl prop-1-en...	270	C16H30O3	1000382-90-7	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

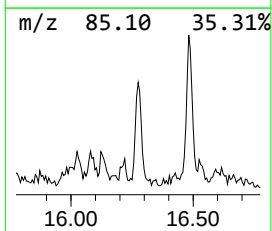
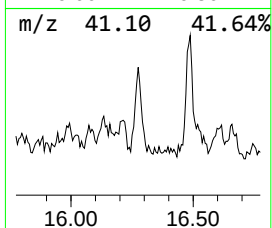
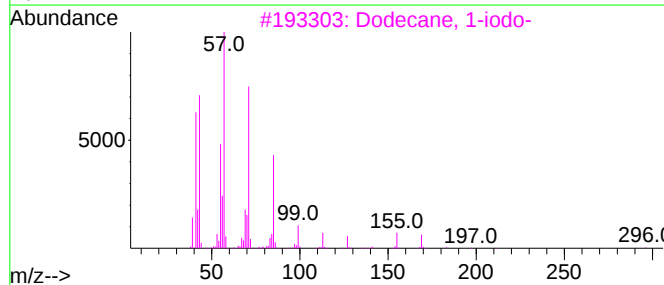
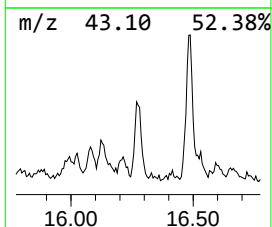
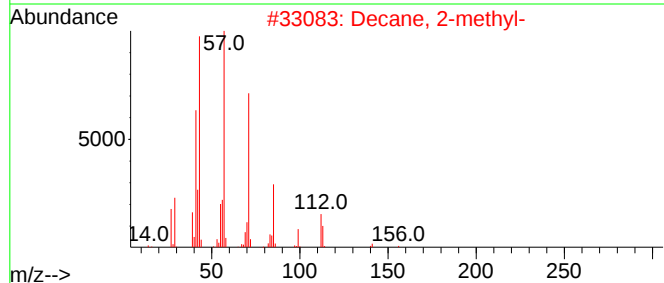
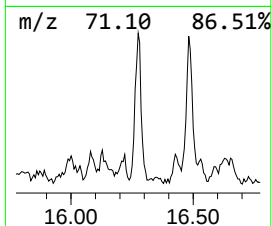
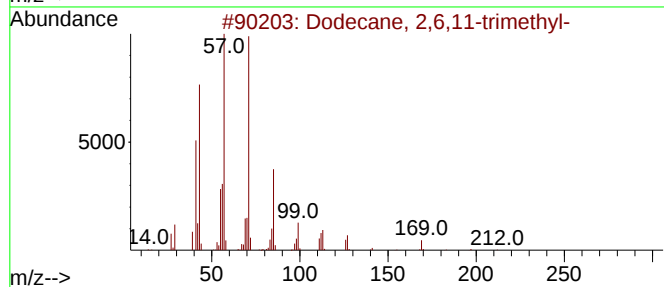
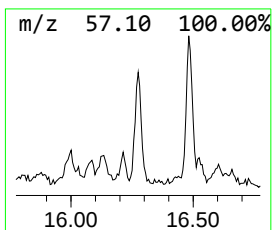
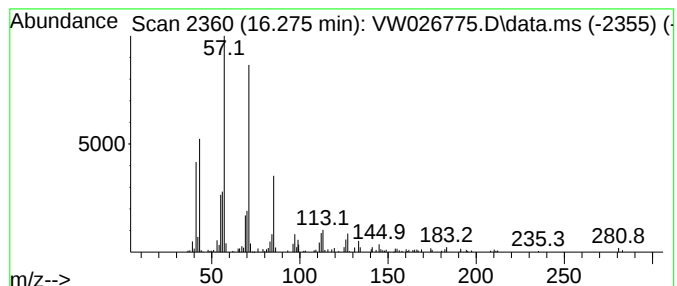
Instrument :
MSVOA_W
ClientSampleId :
EZYH2

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 45 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD			R.T.
16.275	2.94 ug/L	85498	1,4-Dichlorobenzene-d4			13.556
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-		212	C15H32	031295-56-4	90
2	Decane, 2-methyl-		156	C11H24	006975-98-0	87
3	Dodecane, 1-iodo-		296	C12H25I	004292-19-7	86
4	Dodecane, 2,6,11-trimethyl-		212	C15H32	031295-56-4	80
5	Hexadecyl octyl ether		354	C24H50O	1000406-38-6	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

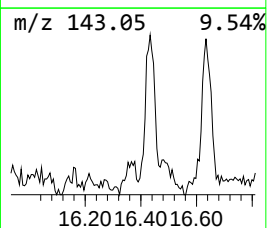
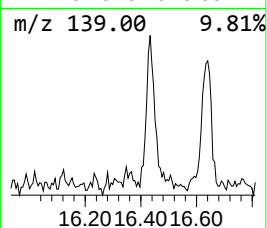
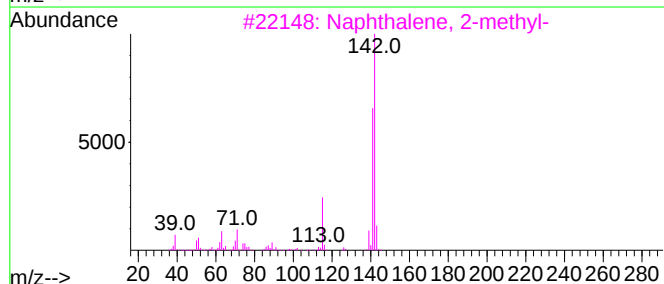
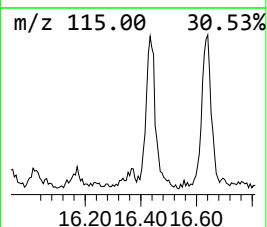
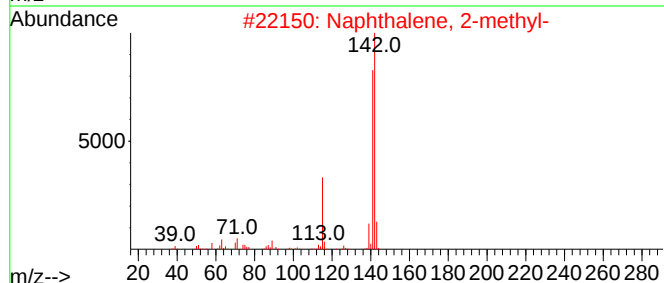
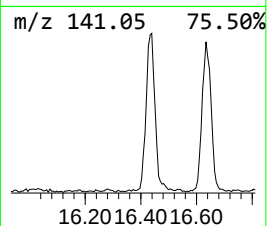
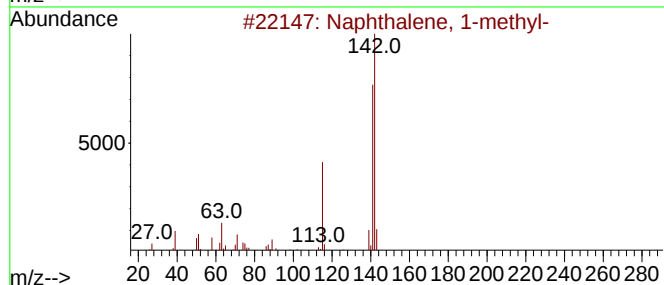
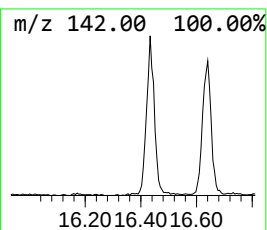
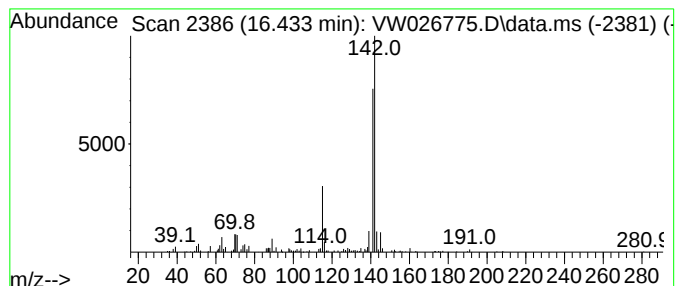
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Quant Title : SFAM01.0

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

Peak Number 46 1,4-Methanonaphthalene, 1,4... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.433	3.84 ug/L	111542	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
2			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
3			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
4			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

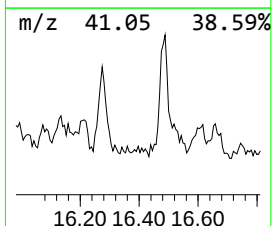
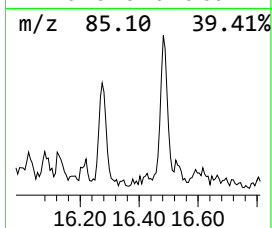
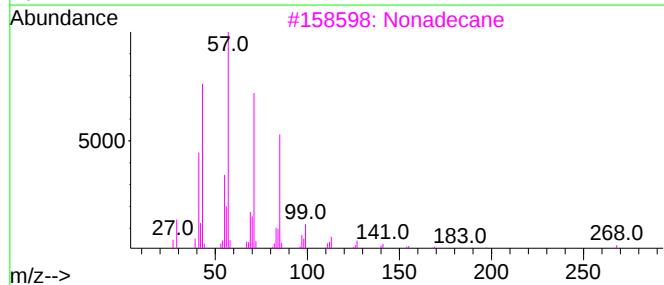
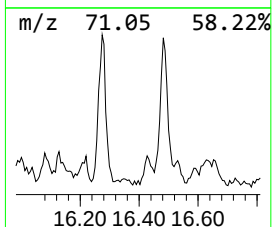
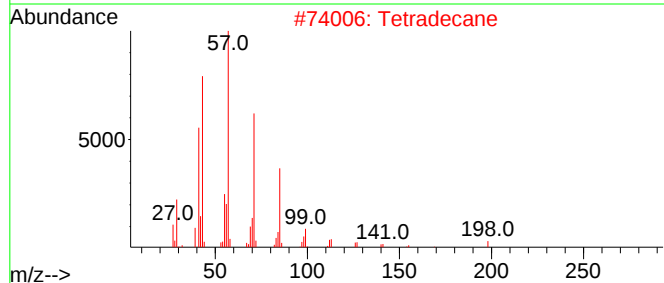
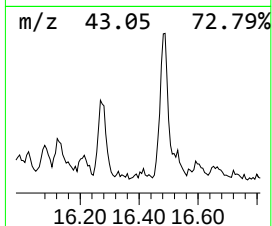
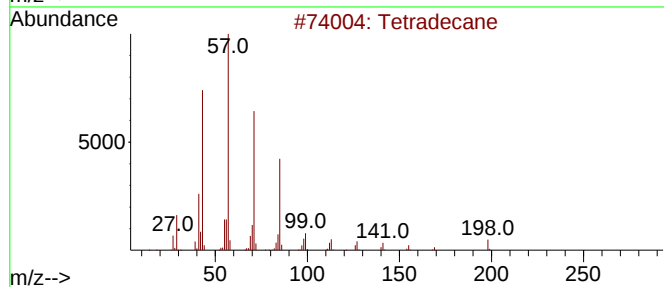
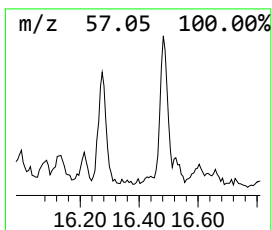
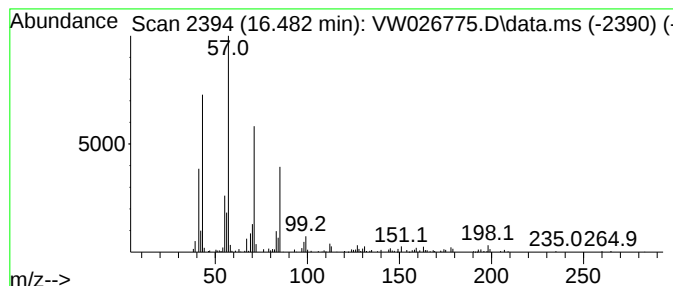
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Quant Title : SFAM01.0

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

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.482	3.54 ug/L	102989	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	93
2			Tetradecane	198	C14H30	000629-59-4	92
3			Nonadecane	268	C19H40	000629-92-5	83
4			Tetradecane	198	C14H30	000629-59-4	83
5			Hexadecane	226	C16H34	000544-76-3	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
Data File : VW026775.D
Acq On : 18 Aug 2023 17:21
Operator : SY/MD
Sample : 04037-13
Misc : 6.42g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EZYH2

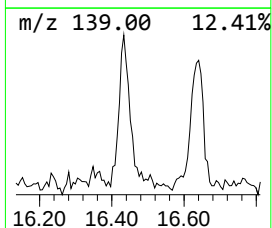
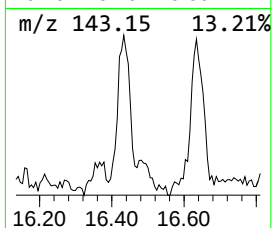
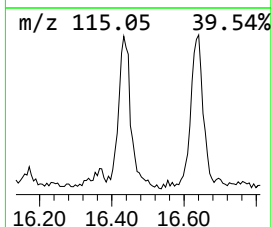
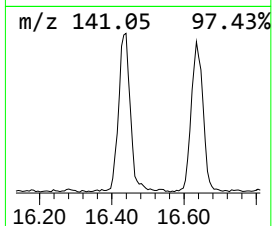
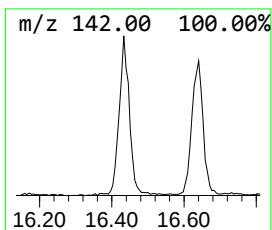
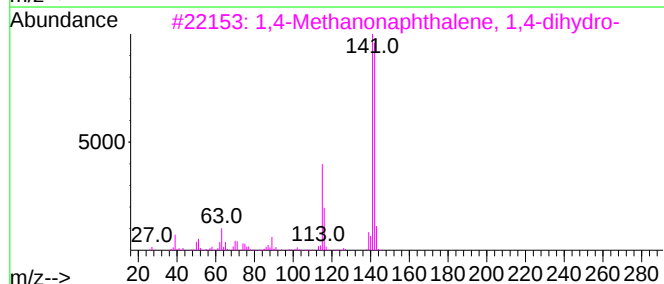
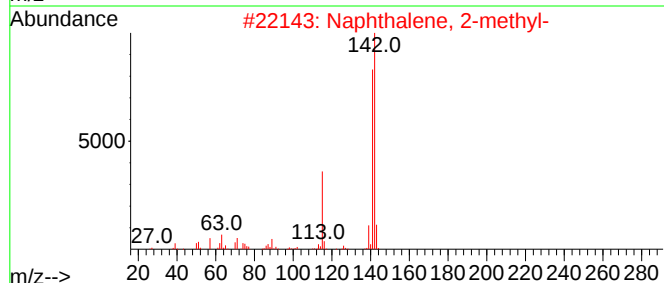
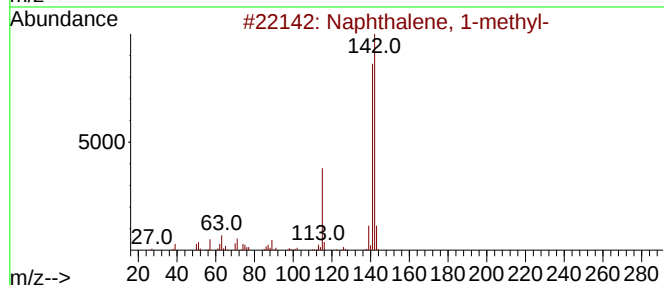
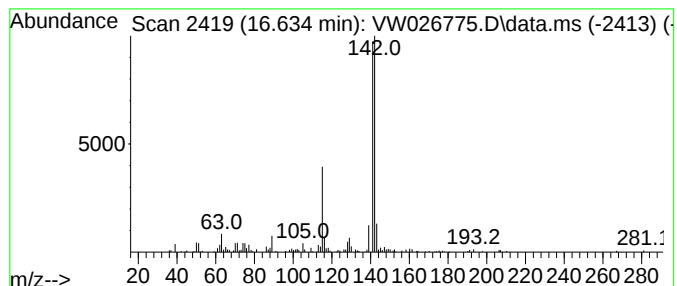
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0

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

Peak Number 48 Bicyclo[4.4.1]undeca-1,3,5,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.634	6.92 ug/L	201190	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
3		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93
4		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081823\
 Data File : VW026775.D
 Acq On : 18 Aug 2023 17:21
 Operator : SY/MD
 Sample : 04037-13
 Misc : 6.42g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EZYH2

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: S...	3.387	1.5	ug/L	103101	1	8.837	1723620	25.0
(DEL) Alkane: S...	5.435	2.1	ug/L	147199	1	8.837	1723620	25.0
(DEL) Alkane: S...	5.941	2.4	ug/L	163640	1	8.837	1723620	25.0
(DEL) Alkane: C...	6.984	1.5	ug/L	99973	1	8.837	1723620	25.0
(DEL) Alkane: S...	8.032	2.0	ug/L	135295	1	8.837	1723620	25.0
(DEL) Alkane: S...	8.154	3.5	ug/L	237636	1	8.837	1723620	25.0
(DEL) Alkane: C...	8.428	1.6	ug/L	108251	1	8.837	1723620	25.0
(DEL) Alkane: S...	8.575	2.6	ug/L	181276	1	8.837	1723620	25.0
(DEL) Alkane: S...	8.691	2.3	ug/L	160312	1	8.837	1723620	25.0
unknown-01	9.081	2.6	ug/L	182424	1	8.837	1723620	25.0
(DEL) Alkane: C...	9.611	1.4	ug/L	93976	1	8.837	1723620	25.0
(DEL) Alkane: C...	9.751	1.9	ug/L	131553	1	8.837	1723620	25.0
(DEL) Alkane: S...	9.953	2.0	ug/L	137480	1	8.837	1723620	25.0
(DEL) Alkane: S...	10.093	3.5	ug/L	239442	1	8.837	1723620	25.0
(DEL) Alkane: C...	10.501	3.8	ug/L	218092	2	11.629	1438690	25.0
(DEL) Alkane: C...	10.666	1.6	ug/L	89241	2	11.629	1438690	25.0
(DEL) Alkane: C...	10.763	1.3	ug/L	76868	2	11.629	1438690	25.0
(DEL) Alkane: C...	11.227	2.4	ug/L	135476	2	11.629	1438690	25.0
(DEL) Alkane: S...	11.404	1.3	ug/L	76863	2	11.629	1438690	25.0
(DEL) Alkane: S...	11.507	1.4	ug/L	79753	2	11.629	1438690	25.0
(DEL) Alkane: S...	12.361	2.3	ug/L	129576	2	11.629	1438690	25.0
Benzene, 1-ethy...	12.861	2.5	ug/L	72554	3	13.556	726583	25.0
Benzene, 1-ethy...	13.098	1.7	ug/L	49384	3	13.556	726583	25.0
Decyl pentyl ether	13.159	1.3	ug/L	37004	3	13.556	726583	25.0
Benzene, 2-ethy...	13.787	1.3	ug/L	37171	3	13.556	726583	25.0
Benzene, 1-ethy...	14.031	1.9	ug/L	54836	3	13.556	726583	25.0
o-Cymene	14.092	1.4	ug/L	39920	3	13.556	726583	25.0
(DEL) Alkane: S...	14.123	1.4	ug/L	41621	3	13.556	726583	25.0
Benzene, 2-bute...	14.196	2.5	ug/L	72610	3	13.556	726583	25.0
unknown-02	14.263	1.6	ug/L	46545	3	13.556	726583	25.0
(DEL) Alkane: C...	14.385	1.6	ug/L	45315	3	13.556	726583	25.0
Benzene, 1-ethy...	14.452	2.1	ug/L	60920	3	13.556	726583	25.0
unknown-03	14.495	1.5	ug/L	43007	3	13.556	726583	25.0
unknown-04	14.537	2.1	ug/L	60336	3	13.556	726583	25.0
(DEL) Alkane: S...	14.720	6.6	ug/L	191729	3	13.556	726583	25.0
Benzene, 1,2,4,...	14.787	6.2	ug/L	180179	3	13.556	726583	25.0
(DEL) Alkane: S...	14.836	6.1	ug/L	176314	3	13.556	726583	25.0
Benzene, 1-ethy...	15.055	2.5	ug/L	71456	3	13.556	726583	25.0
(DEL) Alkane: S...	15.318	5.8	ug/L	167579	3	13.556	726583	25.0
(DEL) Alkane: S...	15.543	7.9	ug/L	229400	3	13.556	726583	25.0
Benzene, (3-met...	15.641	3.0	ug/L	87915	3	13.556	726583	25.0
(DEL) Alkane: S...	15.720	1.9	ug/L	55461	3	13.556	726583	25.0
(DEL) Alkane: S...	16.275	2.9	ug/L	85498	3	13.556	726583	25.0
1,4-Methanonaph...	16.433	3.8	ug/L	111542	3	13.556	726583	25.0
(DEL) Alkane: S...	16.482	3.5	ug/L	102989	3	13.556	726583	25.0
Bicyclo[4.4.1]u...	16.634	6.9	ug/L	201190	3	13.556	726583	25.0