LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

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\SFAMWLM101123SMA.M
Title : SFAM01.0

Signal : TIC: VW027379.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.332	66	73	74	rBV2	18595	31249	2.65%	0.277%
2	2.369	74	79	92	rVB	64075	167440	14.17%	1.487%
3	2.899	158	166	181	rBV	58755	170271	14.41%	1.512%
4	3.033	181	188	201	rVB2	63944	174207	14.75%	1.547%
5	3.393	239	247	258	rVB	33982	83156	7.04%	0.738%
6	3.850	318	322	331	rVV5	5540	13993	1.18%	0.124%
7	4.021	340	350	361	rVV	133137	409487	34.66%	3.635%
8	4.131	362	368	384	rVB	32082	105275	8.91%	0.935%
9	4.966	482	505	530	rBV4	62211	395706	33.49%	3.513%
10	5.204	534	544	554	rBV3	4577	17654	1.49%	0.157%
11	5.442	572	583	595	rBV2	41677	146207	12.38%	1.298%
12	5.948	652	666	680	rBV2	25637	82906	7.02%	0.736%
13	6.716	786	792	799	rBV8	3128	8541	0.72%	0.076%
14	6.874	808	818	827	rBV2	17476	60611	5.13%	0.538%
15	6.990	827	837	845	rVV	56182	163446	13.84%	1.451%
16	7.081	845	852	856	rVV	49826	128678	10.89%	1.142%
17	7.142	857	862	877	rVB	73122	219386	18.57%	1.948%
18	7.539	919	927	933	rBV9	3431	9223	0.78%	0.082%
19	7.648	935	945	962	rVV	240835	599024	50.70%	5.318%
20	7.959	980	996	1002	rVV5	34070	130484	11.04%	1.158%
21	8.033	1002	1008	1021	rVV2	41757	110587	9.36%	0.982%
22	8.154	1021	1028	1035	rVV2	24146	55799	4.72%	0.495%
23	8.276	1035	1048	1065	rVV2	372220	1181391	100.00%	10.488%
24	8.478	1065	1081	1092	rVV2	63829	219946	18.62%	1.953%
25	8.575	1092	1097	1107	rVV3	13072	31187	2.64%	0.277%
26	8.691	1111	1116	1125	rVB2	5742	14165	1.20%	0.126%
27	8.843	1132	1141	1154	rBV	367943	745060	63.07%	6.615%
28	9.075	1169	1179	1187	rBV3	17317	47841	4.05%	0.425%
29	9.276	1201	1212	1218	rBV	351585	735205	62.23%	6.527%
30	9.331	1218	1221	1227	rVB3	31160	59025	5.00%	0.524%
31	9.532	1248	1254	1263	rVV3	16473	38741	3.28%	0.344%
32	9.666	1271	1276	1284	rVV2	12122	24583	2.08%	0.218%
33	9.758	1284	1291	1302	rVB	33746	66246	5.61%	0.588%
34	9.892	1302	1313	1319	rBV2	36746	81618	6.91%	0.725%
35	9.953	1319	1323	1328	rVV4	5398	10799	0.91%	0.096%
36	10.032	1330	1336	1343	rVV	104441	193962	16.42%	1.722%

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Instrument :
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ClientSampleId :
EOAR2

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\SFAMWLM101123SMA.M
Title : SFAM01.0

37	10.087	1343	1345	1354	rVB4	7911	14720	1.25%	0.131%
38	10.209	1359	1365	1366	rBV5	3486	5575	0.47%	0.049%
39	10.246	1367	1371	1376	rVB2	9466	15867	1.34%	0.141%
40	10.325	1376	1384	1392	rBV	375623	690020	58.41%	6.126%
41	10.386	1392	1394	1400	rVB	8908	12304	1.04%	0.109%
42	10.502	1406	1413	1419	rVB8	6713	18956	1.60%	0.168%
43	10.575	1419	1425	1435	rVB	58934	105487	8.93%	0.937%
44	10.666	1435	1440	1442	rBV2	8028	14131	1.20%	0.125%
45	10.703	1442	1446	1451	rVV	16901	28013	2.37%	0.249%
46	10.764	1451	1456	1460	rVB6	7713	14952	1.27%	0.133%
47	10.825	1460	1466	1475	rVB	67495	133161	11.27%	1.182%
48	10.922	1476	1482	1492	rBV	196331	351438	29.75%	3.120%
49	11.062	1500	1505	1509	rVB3	11626	18565	1.57%	0.165%
50	11.172	1519	1523	1528	rVV2	13801	21419	1.81%	0.190%
51	11.227	1528	1532	1536	rVB3	13010	19837	1.68%	0.176%
52	11.337	1545	1550	1554	rBV5	6852	11285	0.96%	0.100%
53	11.434	1559	1566	1574	rVB7	16832	44537	3.77%	0.395%
54	11.520	1574	1580	1590	rVB4	12749	34306	2.90%	0.305%
55	11.629	1590	1598	1605	rBV	335845	563836	47.73%	5.006%
56	11.727	1610	1614	1617	rBV3	6169	9249	0.78%	0.082%
57	11.764	1617	1620	1624	rVB3	8417	11535	0.98%	0.102%
58	11.818	1624	1629	1630	rBV4	10289	16226	1.37%	0.144%
59	11.873	1634	1638	1642	rVB2	15993	24190	2.05%	0.215%
60	12.056	1659	1668	1673	rBV7	5604	14390	1.22%	0.128%
61	12.135	1675	1681	1693	rBV7	23946	78388	6.64%	0.696%
62	12.245	1696	1699	1704	rVB2	10608	17637	1.49%	0.157%
63	12.300	1704	1708	1710	rBV3	8667	14310	1.21%	0.127%
64	12.343	1710	1715	1717	rBV2	16536	29907	2.53%	0.266%
65	12.459	1731	1734	1740	rVB5	9710	16680	1.41%	0.148%
66	12.599	1752	1757	1763	rVB2	42483	76981	6.52%	0.683%
67	12.690	1766	1772	1781	rBV	232847	382338	32.36%	3.394%
68	12.776	1781	1786	1793	rVB4	27278	52469	4.44%	0.466%
69	12.855	1794	1799	1803	rBV5	11073	22140	1.87%	0.197%
70	12.934	1803	1812	1818	rBV6	33275	89383	7.57%	0.794%
71	13.074	1832	1835	1838	rBV3	10163	14367	1.22%	0.128%
72	13.166	1845	1850	1858	rVB7	17185	39848	3.37%	0.354%
73	13.251	1862	1864	1866	rVV2	6124	6851	0.58%	0.061%
74	13.288	1866	1870	1876	rVB3	17214	27453	2.32%	0.244%
75	13.379	1881	1885	1887	rBV5	13757	21899	1.85%	0.194%
76	13.556	1908	1914	1922	rBV	182711	301280	25.50%	2.675%

LSC Area Percent Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EOAR2

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

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Title : SFAM01.0

77	13.690	1934	1936	1942	rVB5	7155	12657	1.07%	0.112%
78	13.800	1950	1954	1955	rBV4	5515	6489	0.55%	0.058%
79	13.849	1956	1962	1974	rVV3	132465	326820	27.66%	2.902%
80	13.946	1976	1978	1980	rVV	12299	14711	1.25%	0.131%
81	13.995	1982	1986	1991	rVV2	27702	60597	5.13%	0.538%
82	14.062	1993	1997	2012	rVB3	44000	111195	9.41%	0.987%
83	14.190	2013	2018	2024	rVV7	16011	39109	3.31%	0.347%
84	14.257	2024	2029	2035	rVV9	14580	36439	3.08%	0.324%
85	14.330	2036	2041	2045	rVV6	18332	43123	3.65%	0.383%
86	14.379	2046	2049	2053	rVV3	23710	44097	3.73%	0.391%
87	14.416	2053	2055	2064	rVB6	22686	36399	3.08%	0.323%
88	14.495	2064	2068	2070	rBV3	11534	18237	1.54%	0.162%
89	14.544	2073	2076	2082	rVB7	18018	29739	2.52%	0.264%
90	14.720	2097	2105	2110	rBV8	23368	55718	4.72%	0.495%
91	14.793	2112	2117	2124	rVV5	19084	49594	4.20%	0.440%
92	15.056	2157	2160	2166	rVB4	14648	19549	1.65%	0.174%
93	15.165	2173	2178	2179	rBV5	16103	23443	1.98%	0.208%
94	15.312	2199	2202	2207	rBV6	9746	16669	1.41%	0.148%
95	15.428	2212	2221	2226	rBV2	35205	89736	7.60%	0.797%
96	15.543	2237	2240	2250	rVB6	24068	49392	4.18%	0.439%
97	15.641	2254	2256	2266	rVB9	10039	21608	1.83%	0.192%
98	15.793	2278	2281	2287	rVB8	10165	16525	1.40%	0.147%
99	15.946	2302	2306	2311	rVB8	7110	13460	1.14%	0.119%
100	16.372	2371	2376	2380	rBV8	4584	9410	0.80%	0.084%

Sum of corrected areas: 11263745

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
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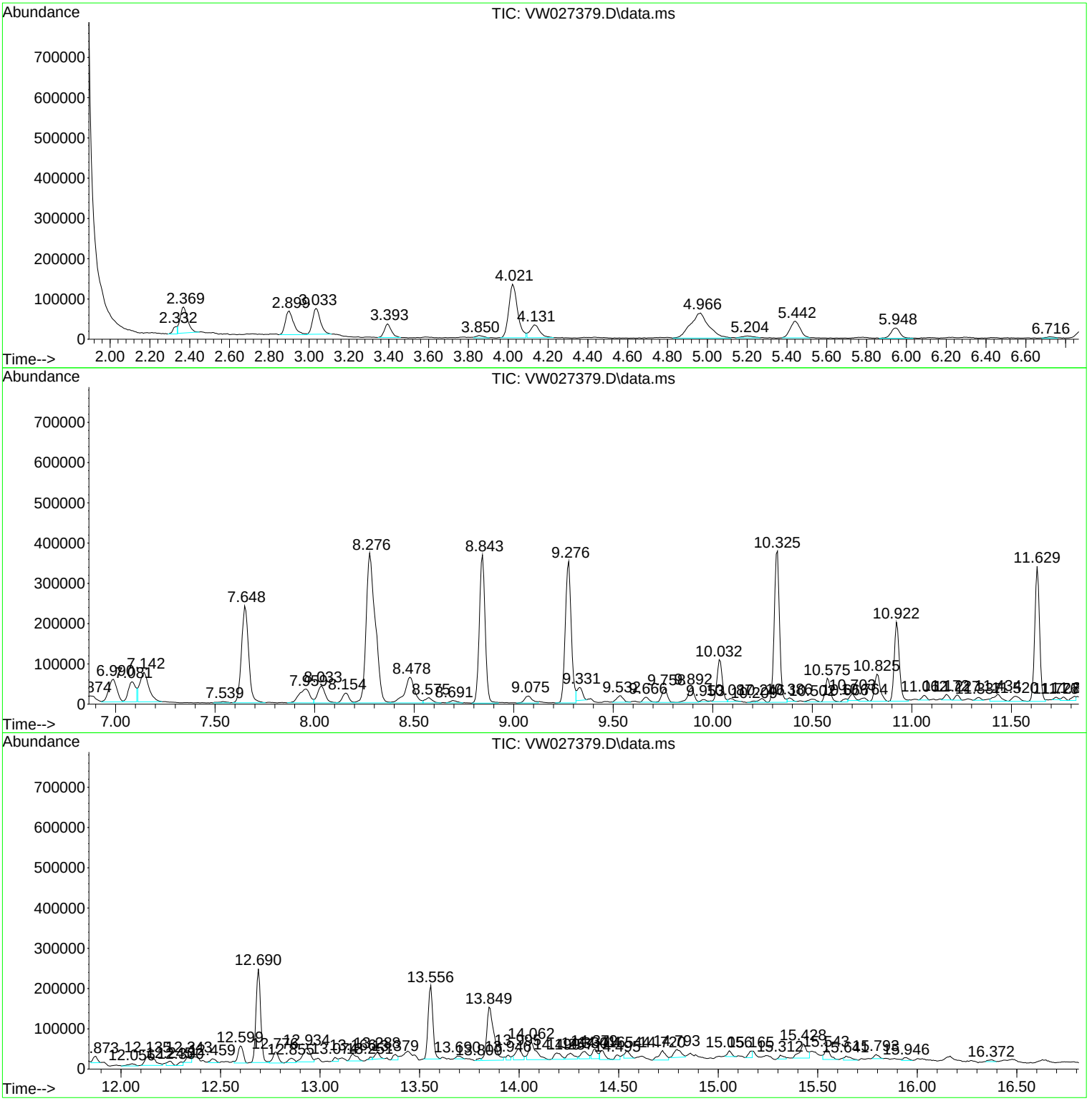
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

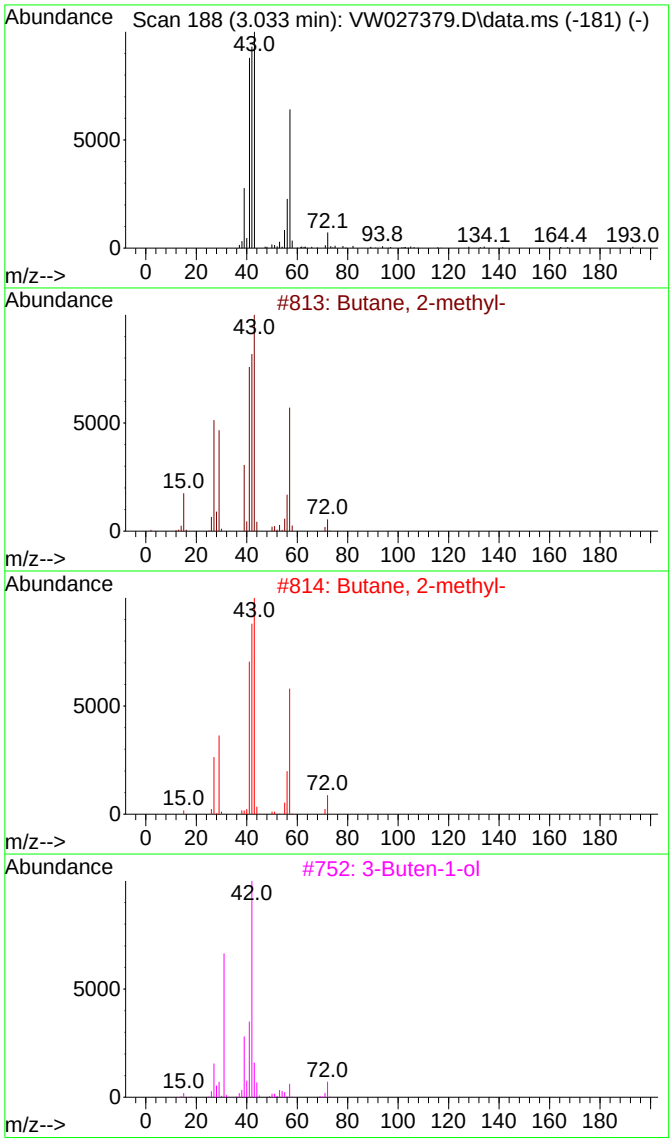
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

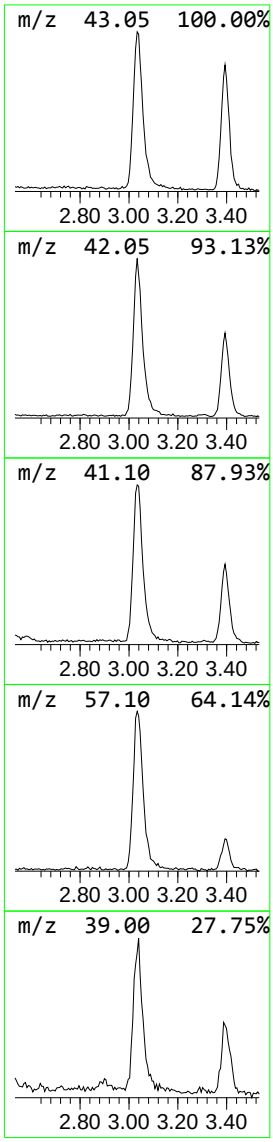
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.033	5.85 ug/L	174207	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	90
2	Butane, 2-methyl-	72	C5H12	000078-78-4	64
3	3-Buten-1-ol	72	C4H8O	000627-27-0	43
4	Pentane	72	C5H12	000109-66-0	40
5	Oxalic acid, butyl propyl ester	188	C9H16O4	1000309-25-6	17





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
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Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

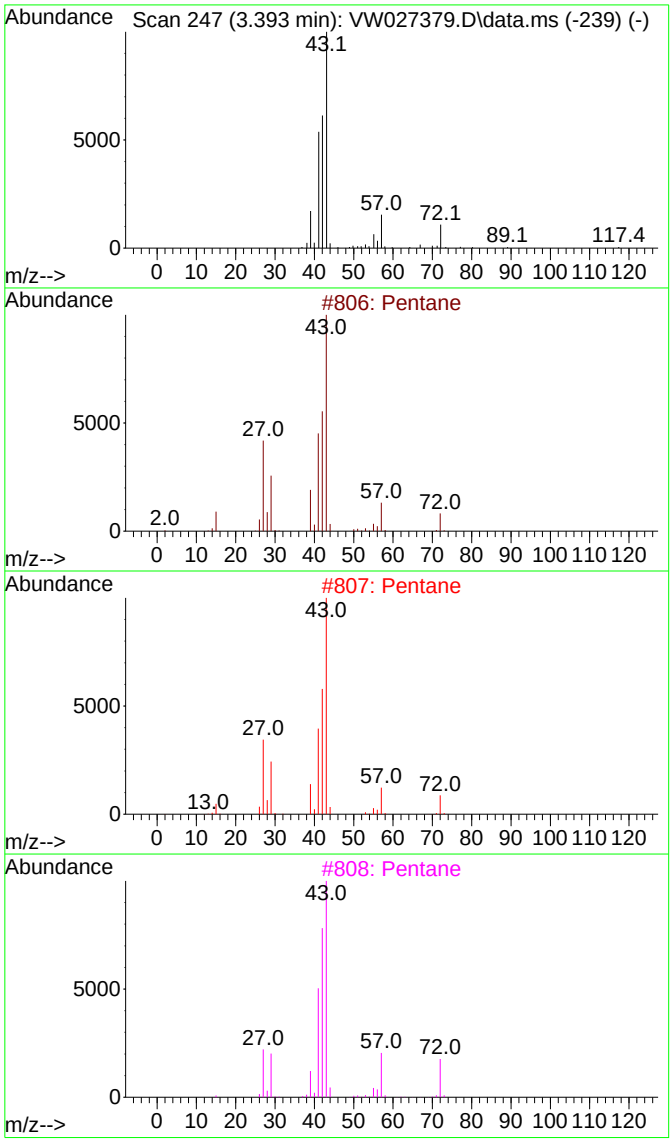
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

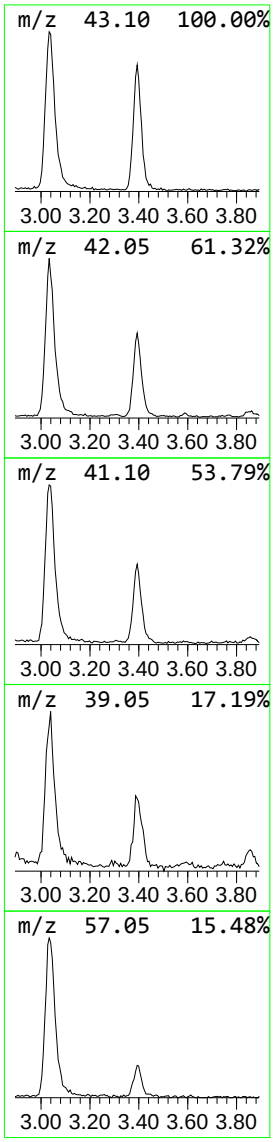
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.393	2.79 ug/L	83156	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Pentane	72	C5H12	000109-66-0	80
3	Pentane	72	C5H12	000109-66-0	50
4	Oxirane, ethyl-	72	C4H8O	000106-88-7	50
5	Pentane	72	C5H12	000109-66-0	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

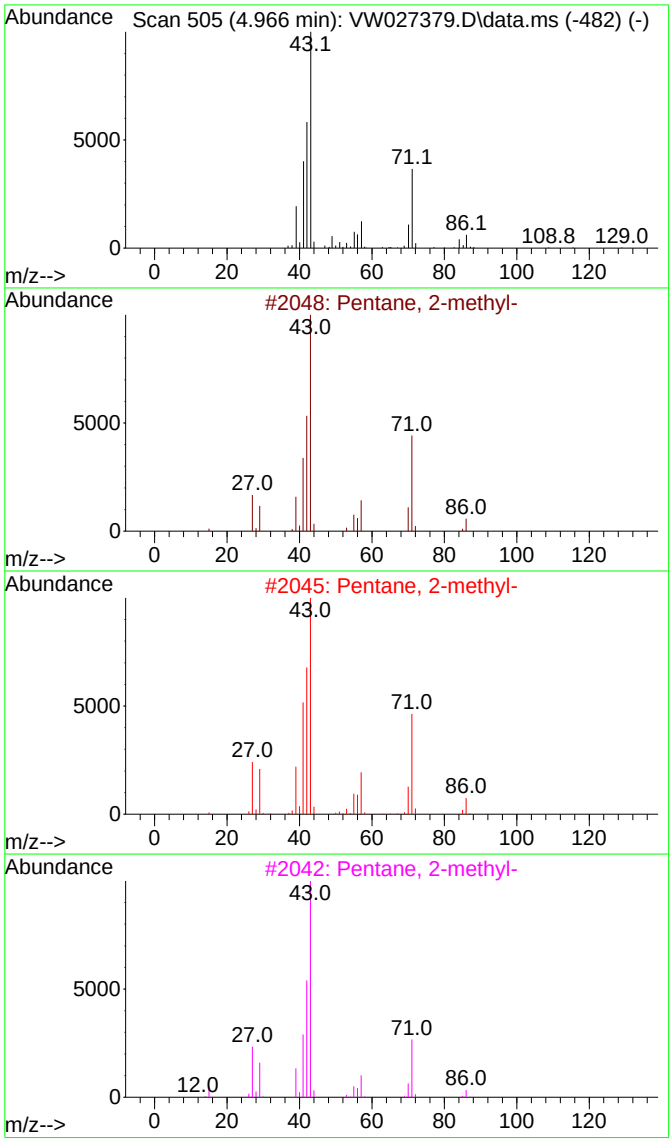
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

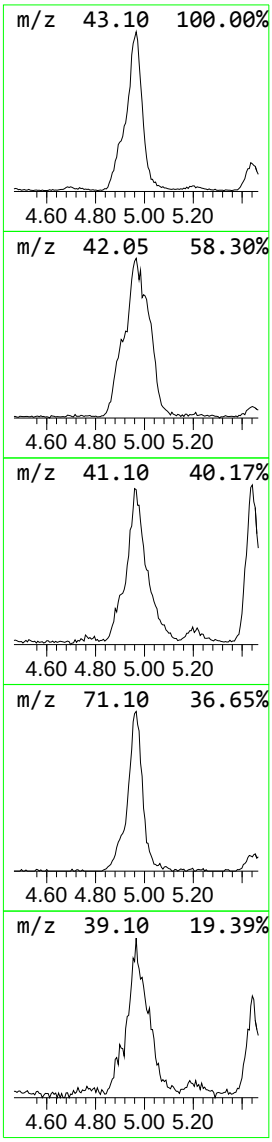
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.966	13.28 ug/L	395706	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	87
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	81
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	80
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	74
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	62





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Instrument :
MSVOA_W
ClientSampleId :
EOAR2

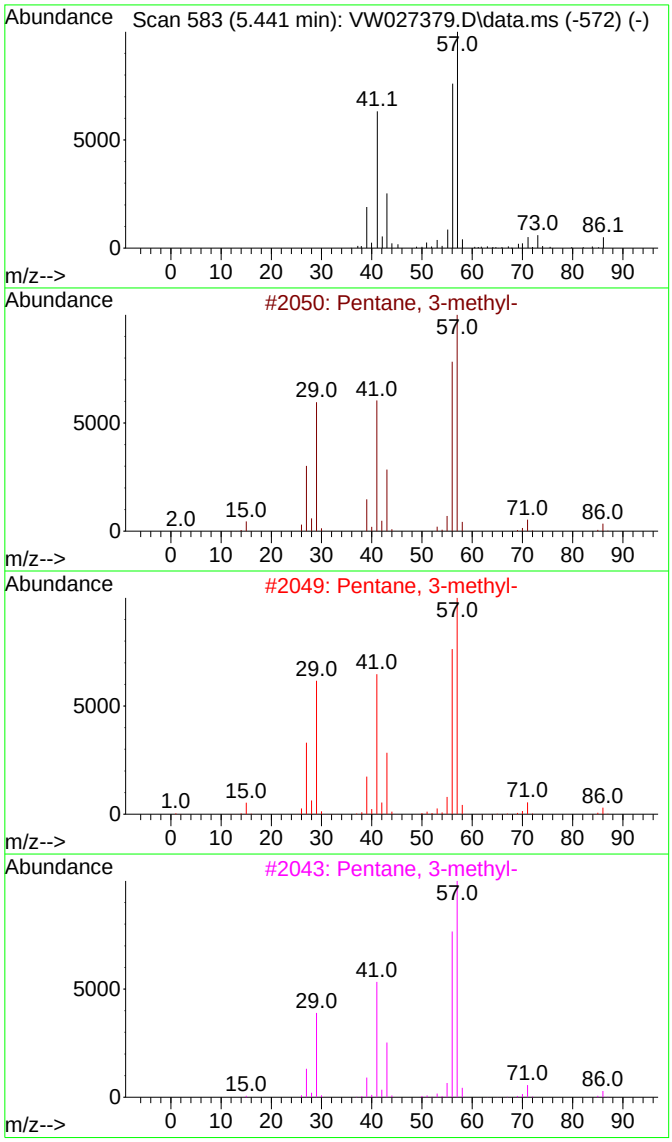
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

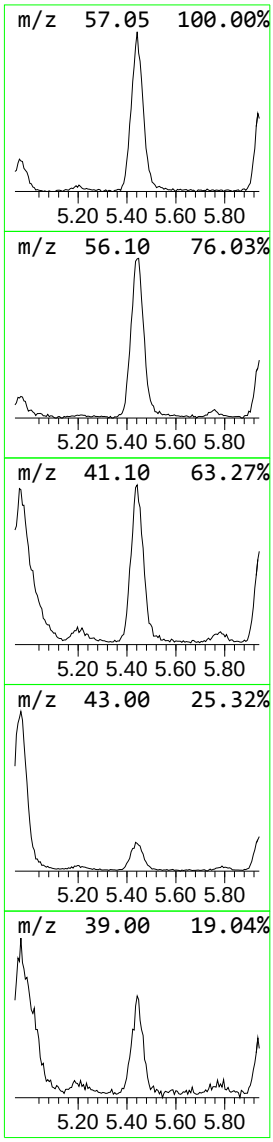
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.441	4.91 ug/L	146207	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

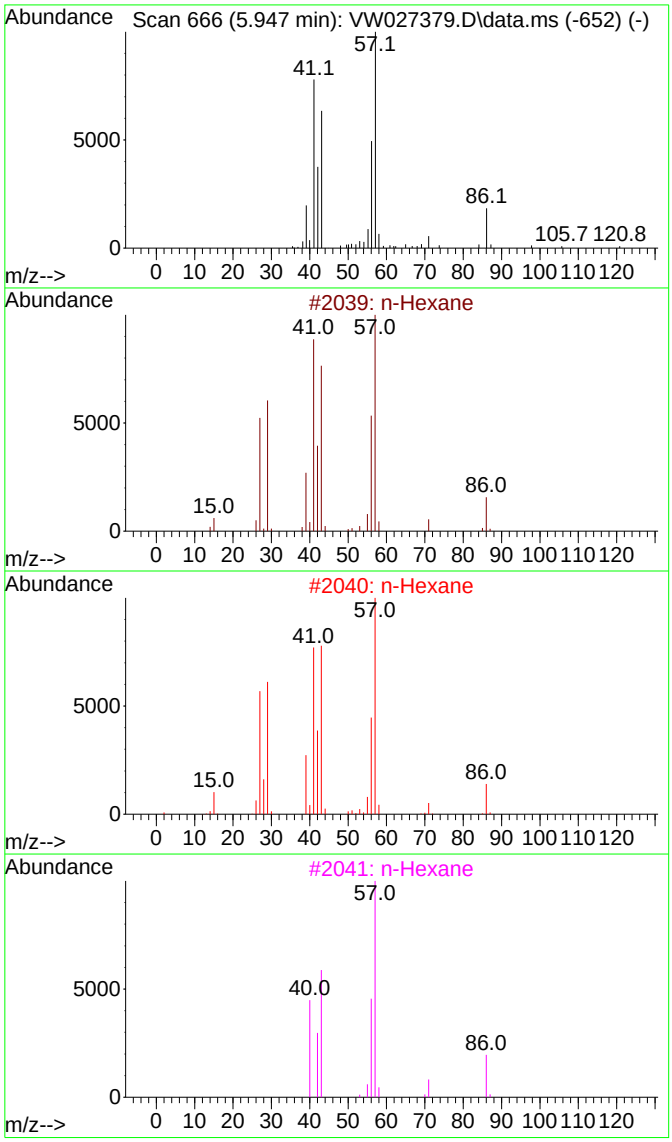
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

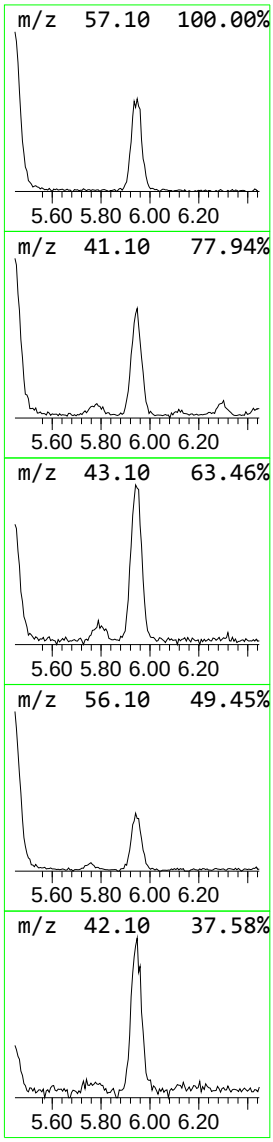
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.947	2.78 ug/L	82906	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	90
2	n-Hexane	86	C6H14	000110-54-3	86
3	n-Hexane	86	C6H14	000110-54-3	64
4	n-Hexane	86	C6H14	000110-54-3	53
5	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

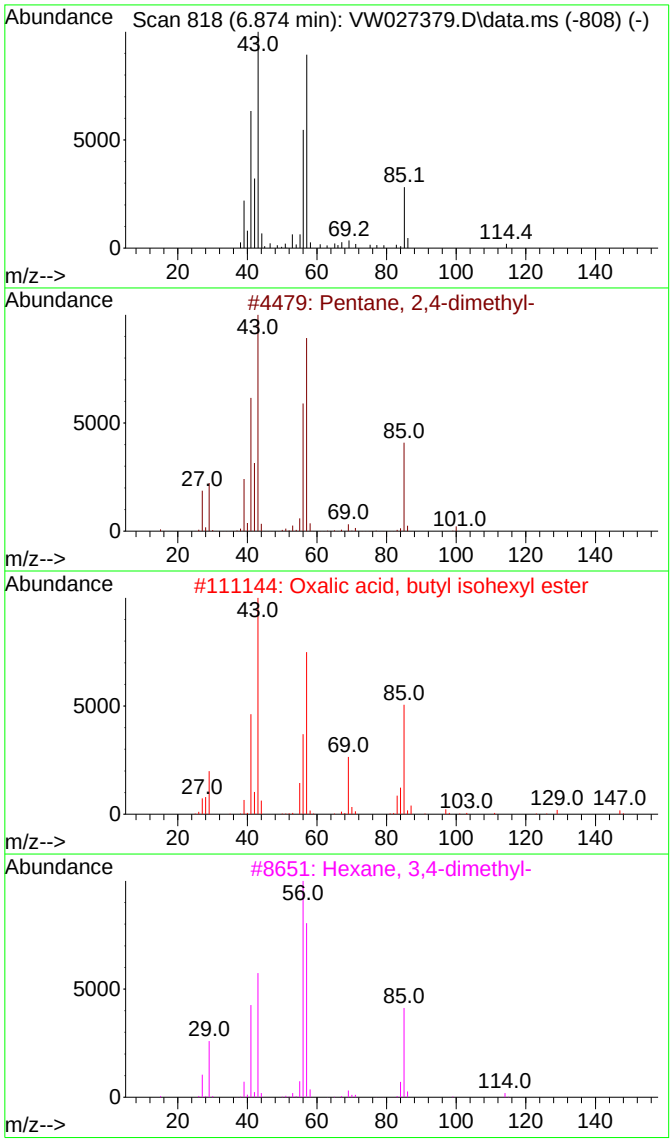
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

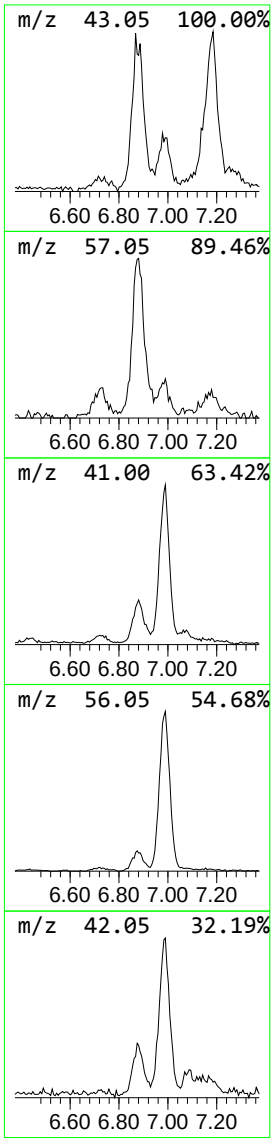
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.874	2.03 ug/L	60611	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	78
2	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64
3	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	47
4	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	47
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

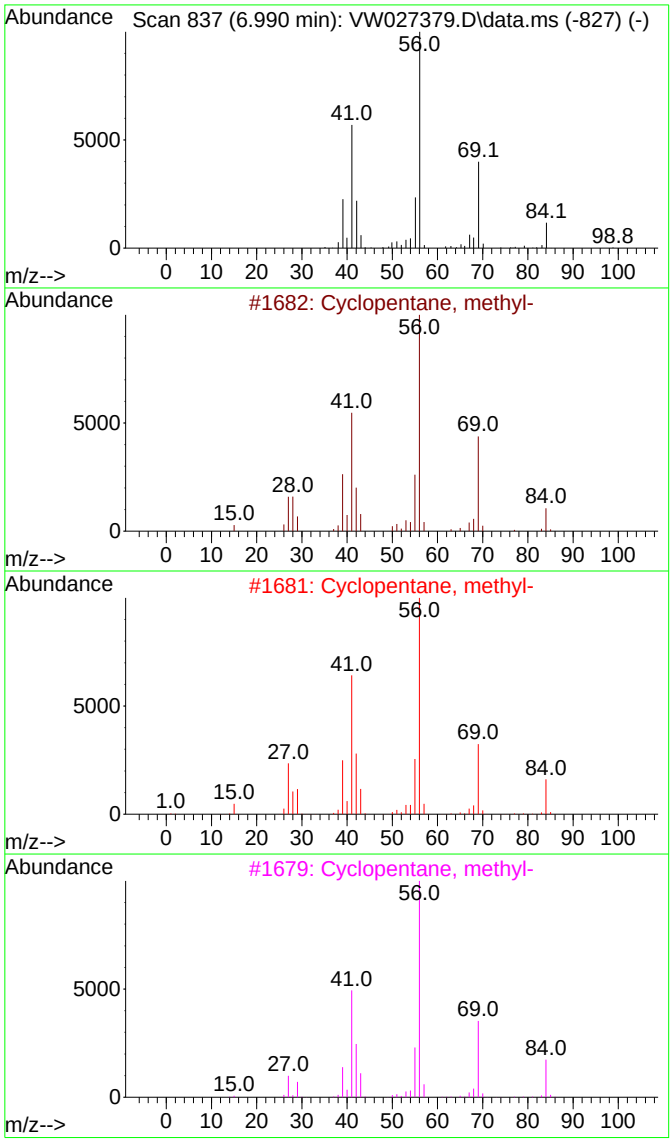
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

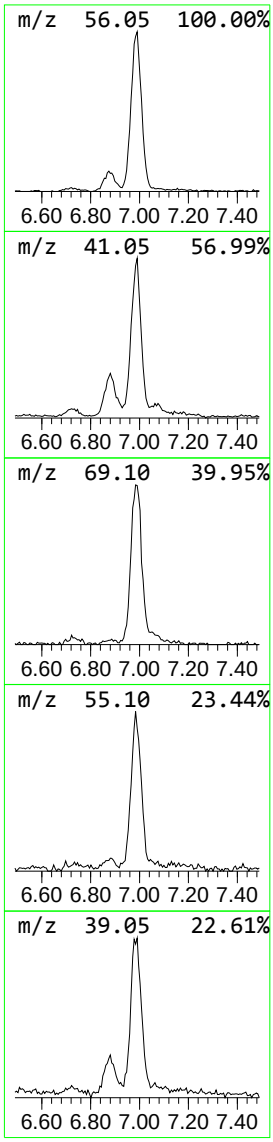
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic6.990 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.990	5.48 ug/L	163446	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	87
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
5	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64





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Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

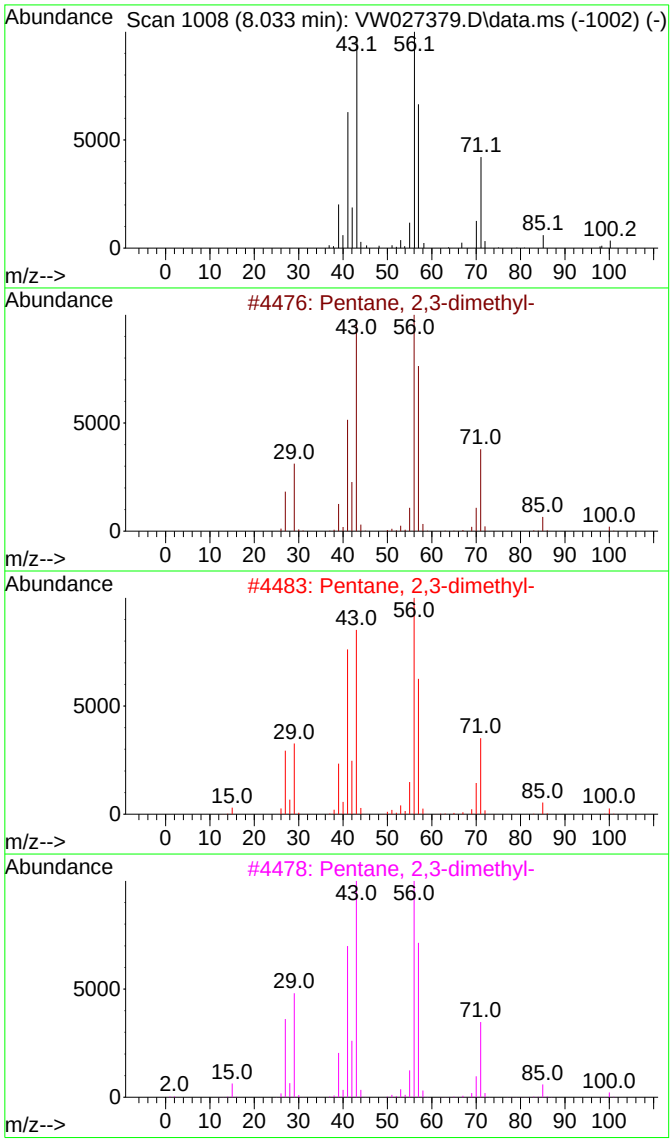
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

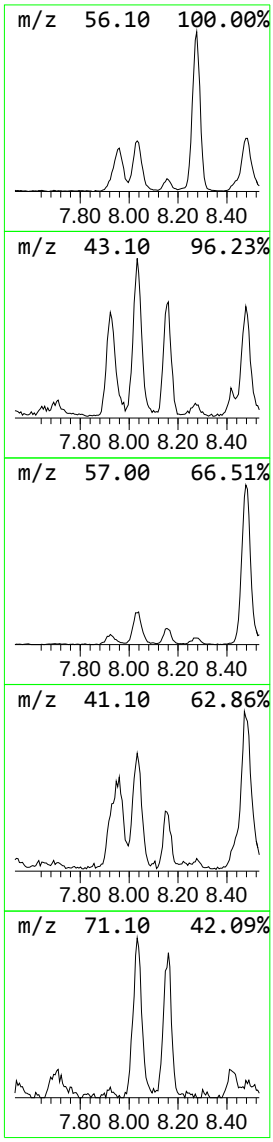
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.033	3.71 ug/L	110587	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

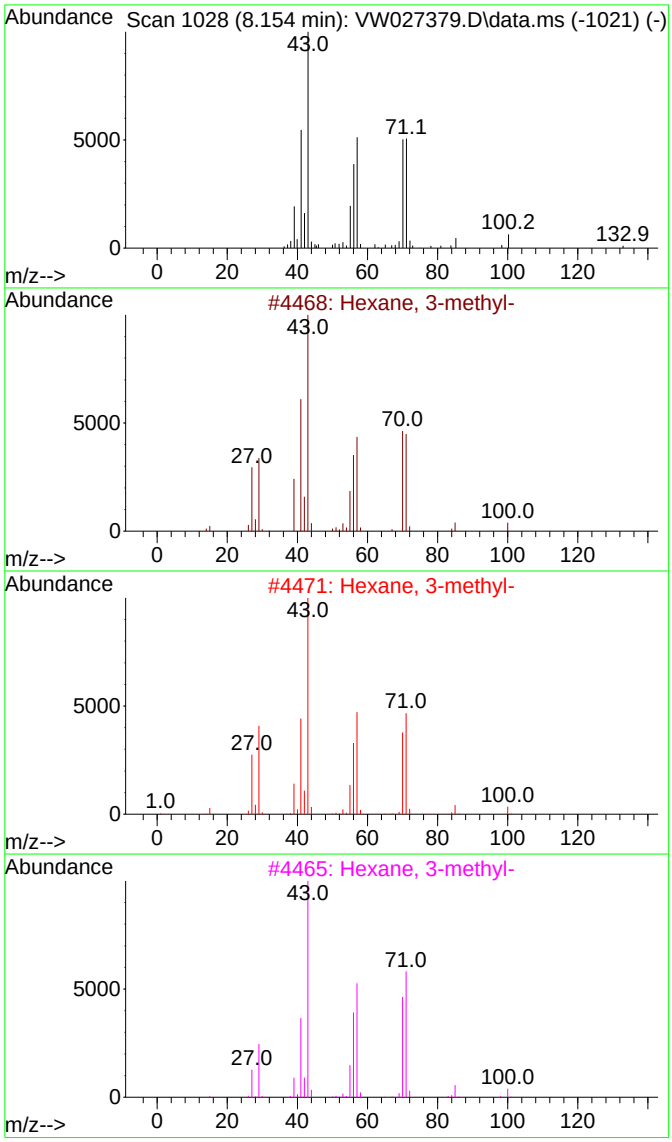
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

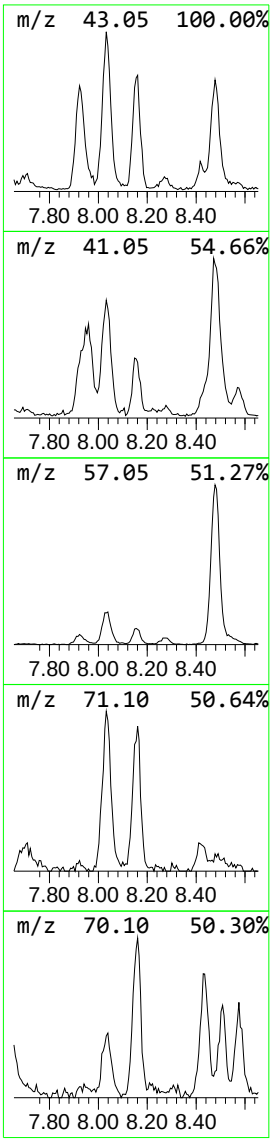
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.154	1.87 ug/L	55799	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	94
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
4	Heptane	100	C7H16	000142-82-5	72
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

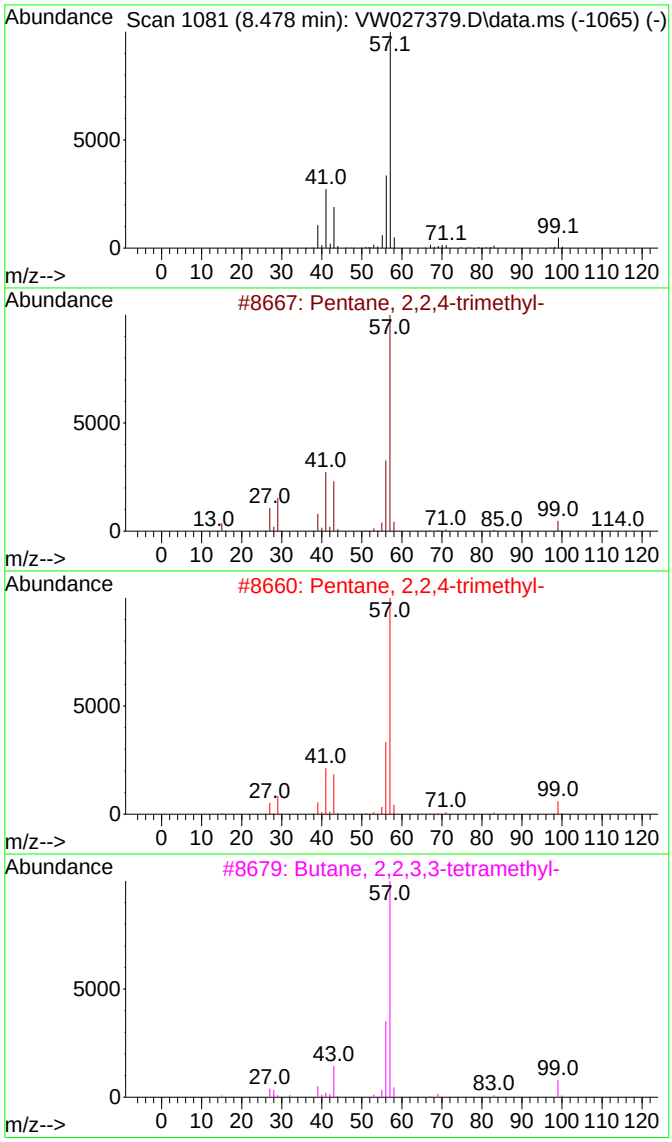
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

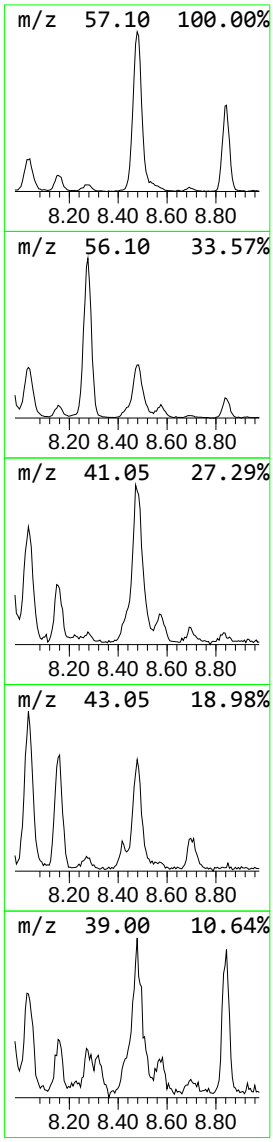
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.478	7.38 ug/L	219946	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
4	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64
5	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

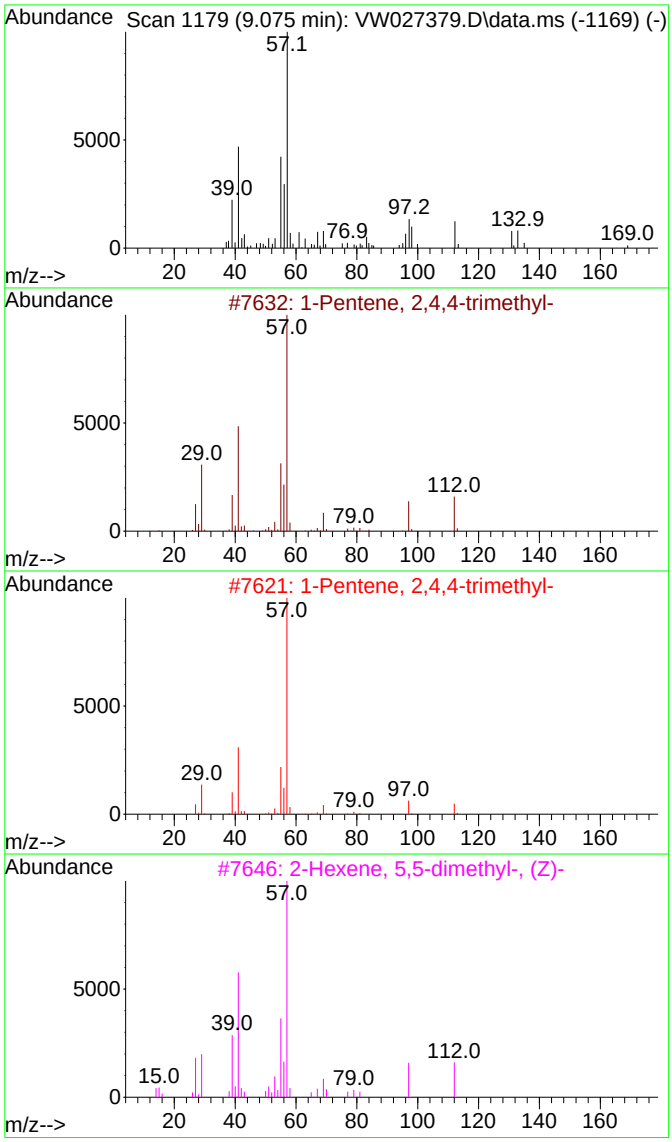
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

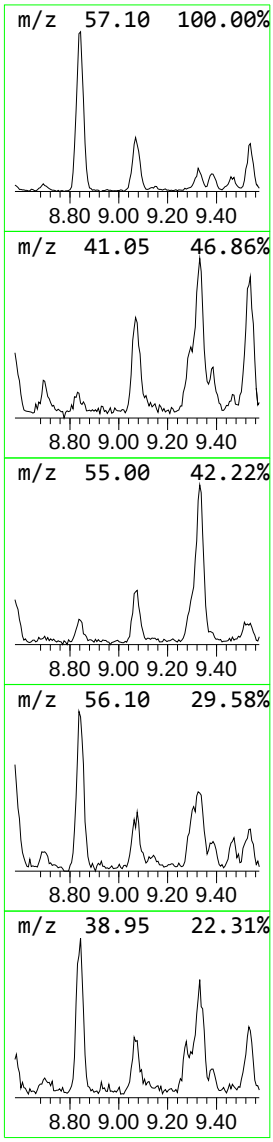
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.075	1.61 ug/L	47841	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	43
2	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	43
3	2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	38
4	2,4,4-Trimethyl-1-pentanol	130	C8H18O	016325-63-6	38
5	2,4,4-Trimethyl-1-pentanol	130	C8H18O	016325-63-6	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

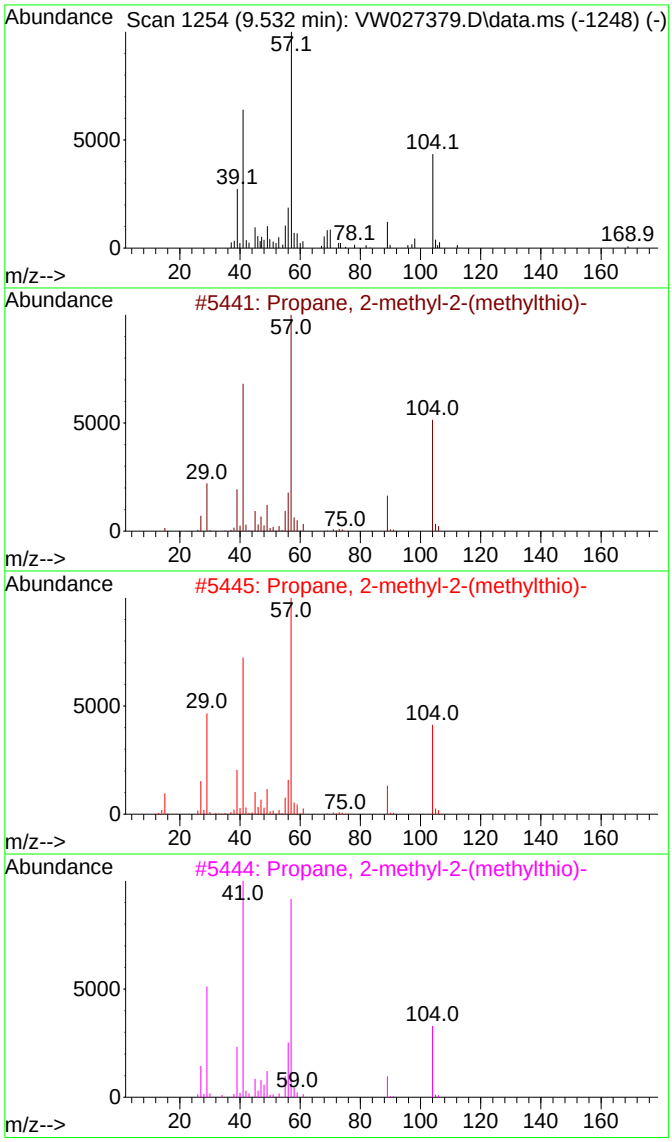
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

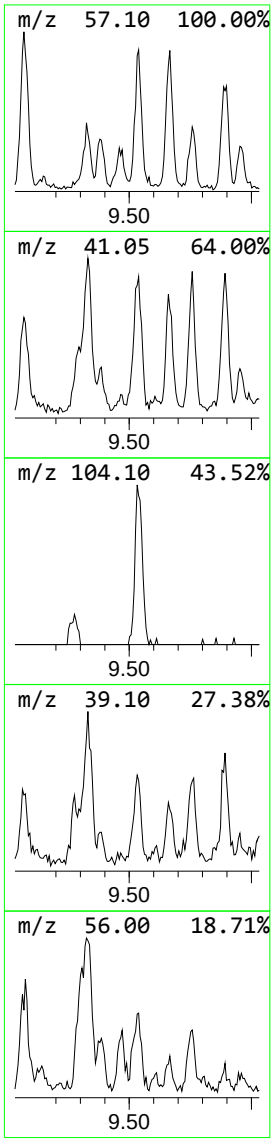
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Propane, 2-methyl-2-(methyl... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.532	1.30 ug/L	38741	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2-methyl-2-(methylthio)-	104	C5H12S	006163-64-0	93
2	Propane, 2-methyl-2-(methylthio)-	104	C5H12S	006163-64-0	87
3	Propane, 2-methyl-2-(methylthio)-	104	C5H12S	006163-64-0	83
4	Propane, 2-methyl-2-(methylthio)-	104	C5H12S	006163-64-0	58
5	1-Butanethiol, 2-methyl-	104	C5H12S	001878-18-8	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

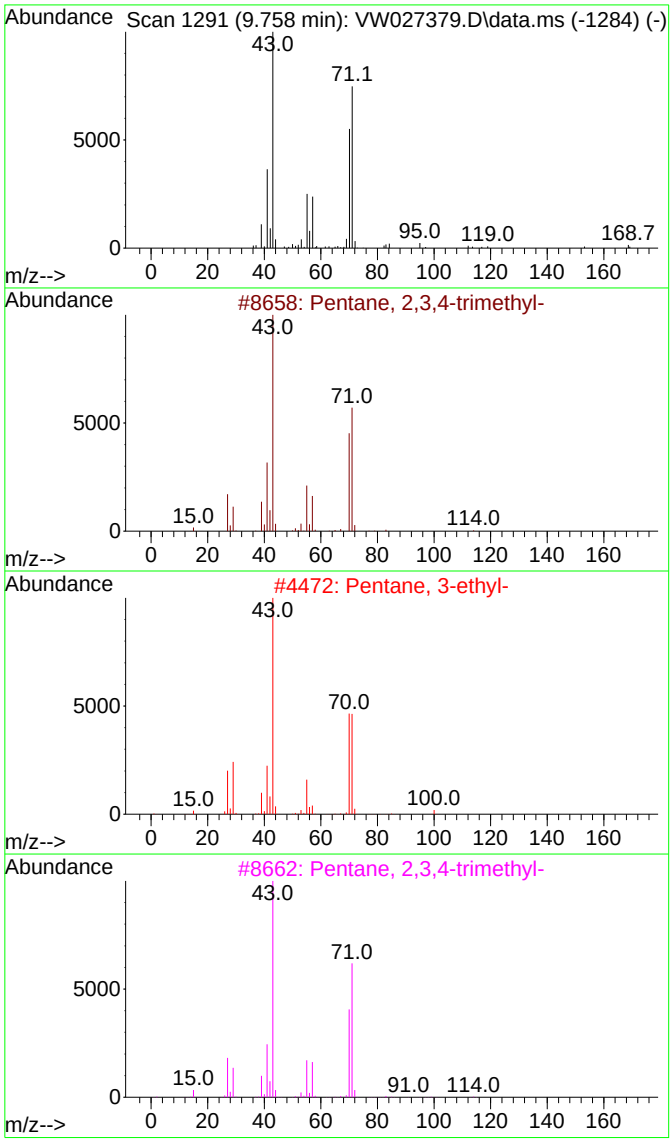
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

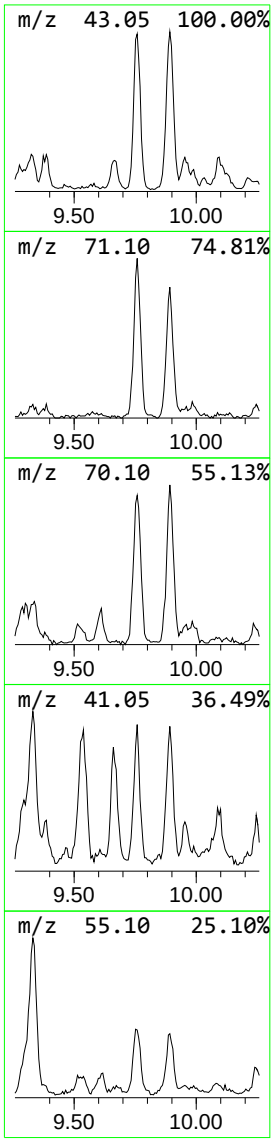
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.758	2.22 ug/L	66246	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	78
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	78
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

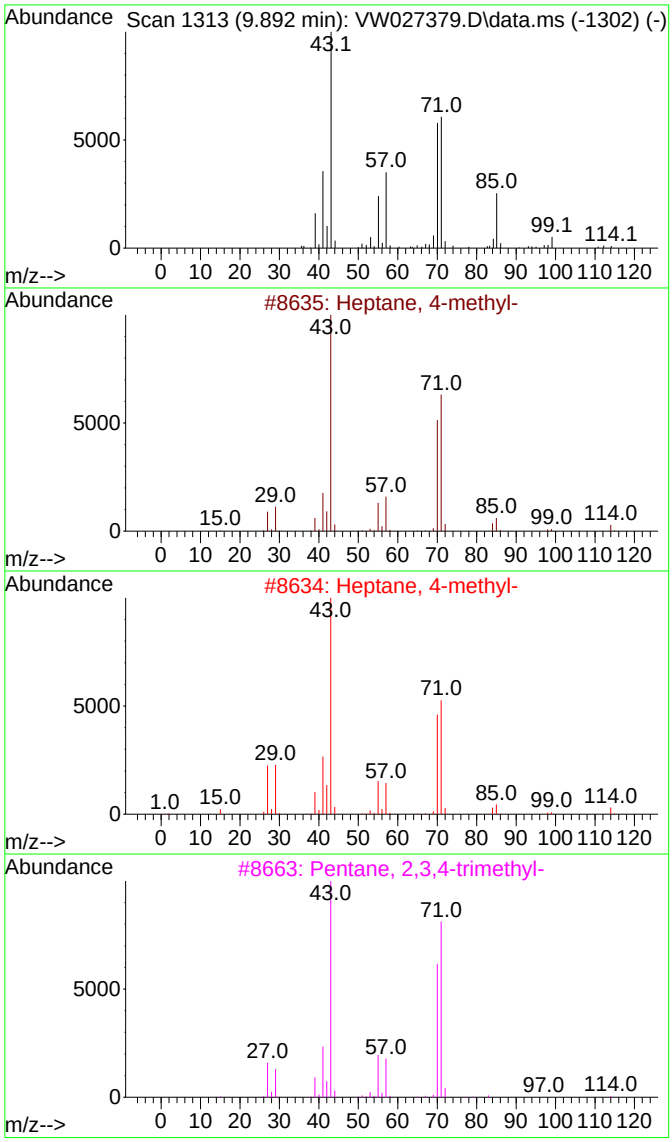
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

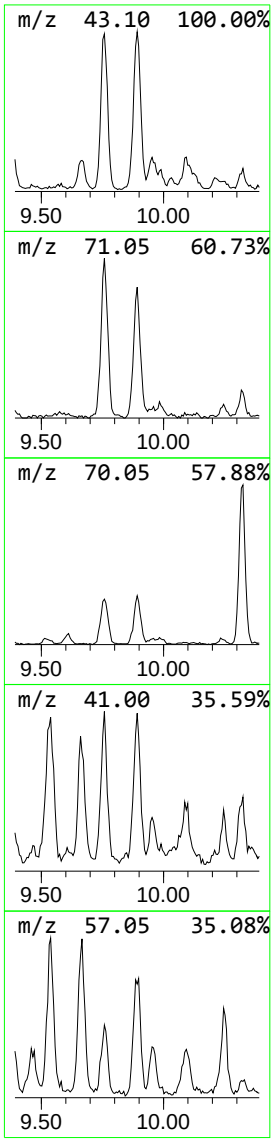
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.892	2.74 ug/L	81618	1,4-Difluorobenzene	8.843

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

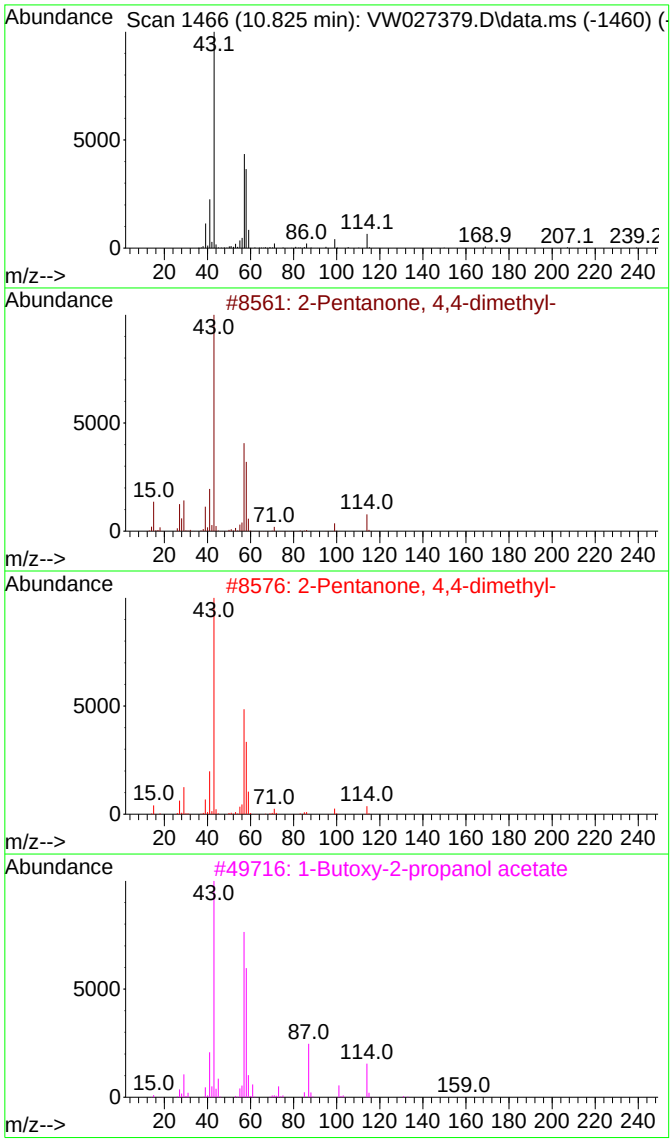
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

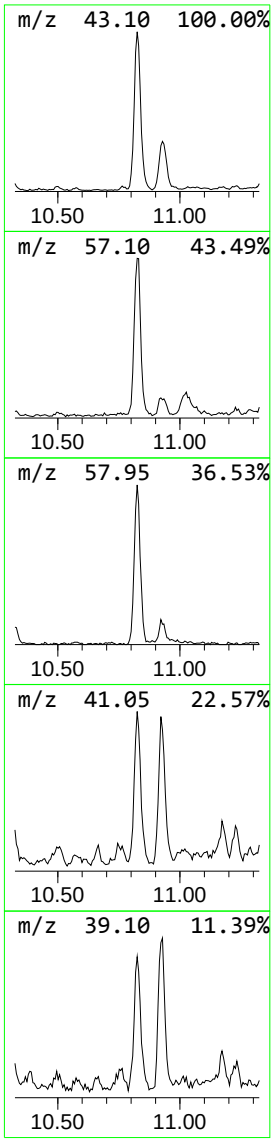
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 2-Pentanone, 4,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.825	5.90 ug/L	133161	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4,4-dimethyl-	114	C7H14O	000590-50-1	86
2	2-Pentanone, 4,4-dimethyl-	114	C7H14O	000590-50-1	86
3	1-Butoxy-2-propanol acetate	174	C9H18O3	085409-76-3	56
4	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	50
5	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	39





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

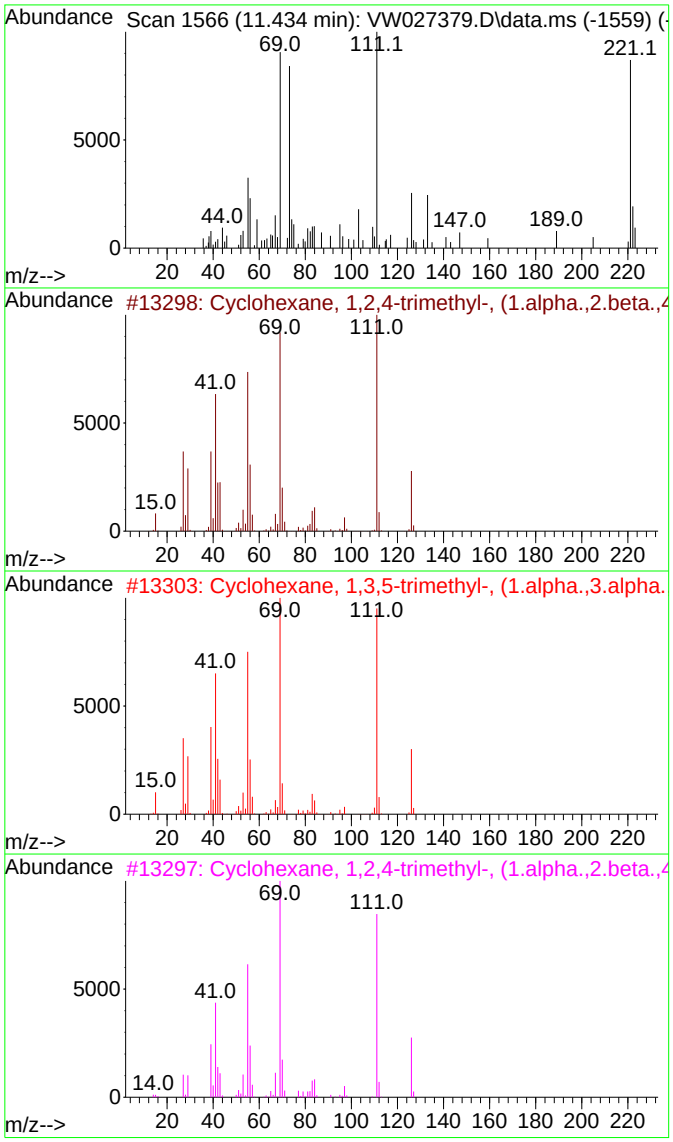
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

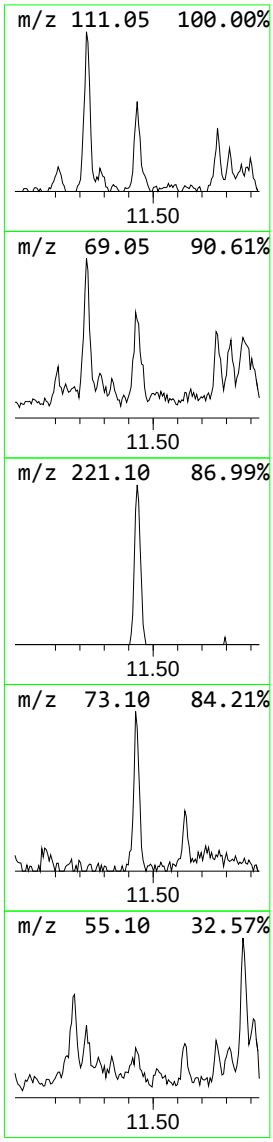
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Cyclic11.434 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.434	1.97 ug/L	44537	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	45
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	45
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	43
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	38
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

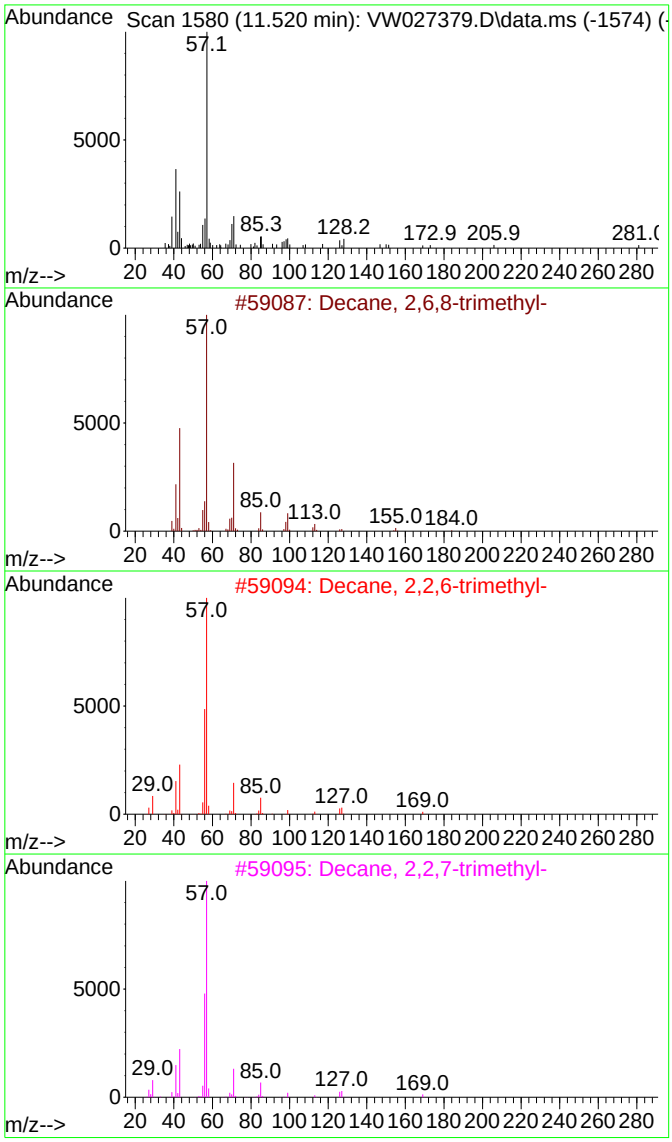
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

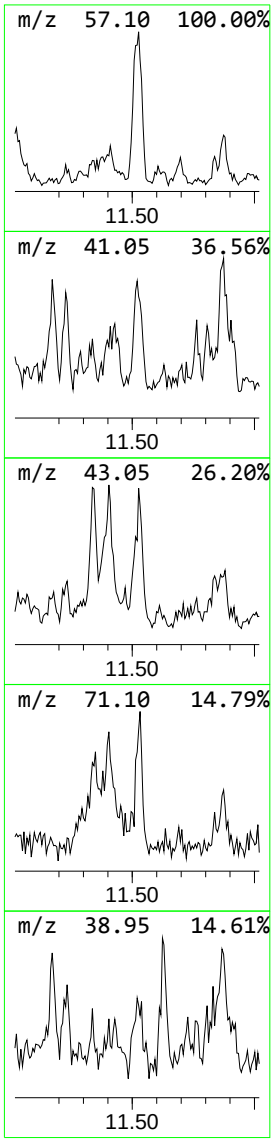
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.520	1.52 ug/L	34306	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	53
2	Decane, 2,2,6-trimethyl-	184	C13H28	062237-97-2	47
3	Decane, 2,2,7-trimethyl-	184	C13H28	062237-99-4	47
4	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	43
5	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	38





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Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

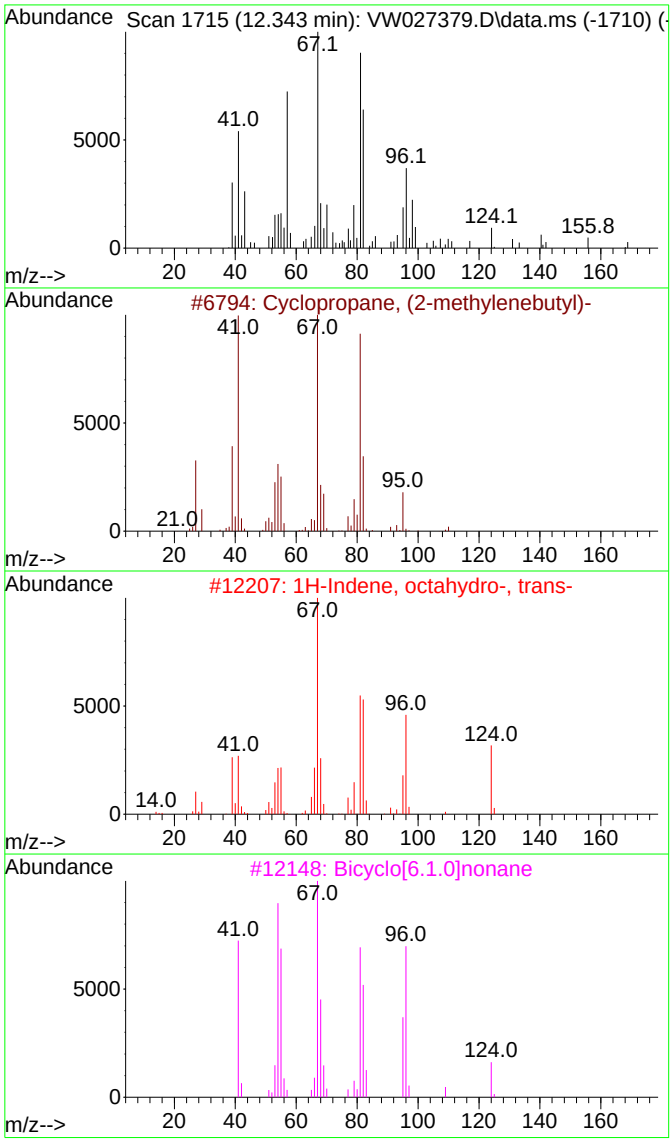
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

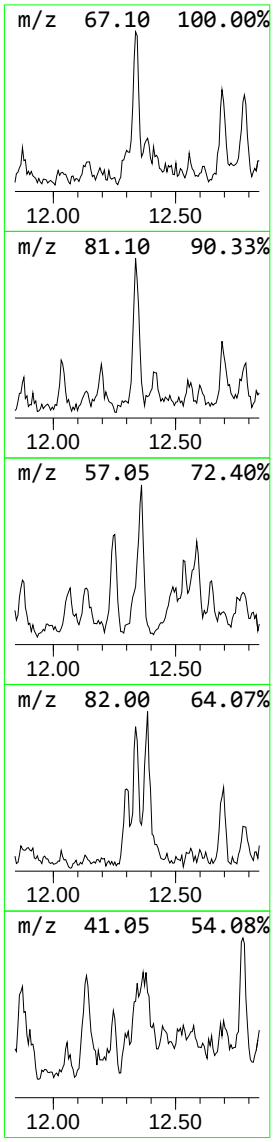
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Cyclopropane, (2-methyleneb... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.343	1.33 ug/L	29907	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, (2-methylenebutyl)-	110	C8H14	074685-56-6	58
2	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	53
3	Bicyclo[6.1.0]nonane	124	C9H16	000286-60-2	50
4	Bicyclo[4.1.0]heptane	96	C7H12	000286-08-8	50
5	Cyclopentene, 1-butyl-	124	C9H16	002423-01-0	45





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Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

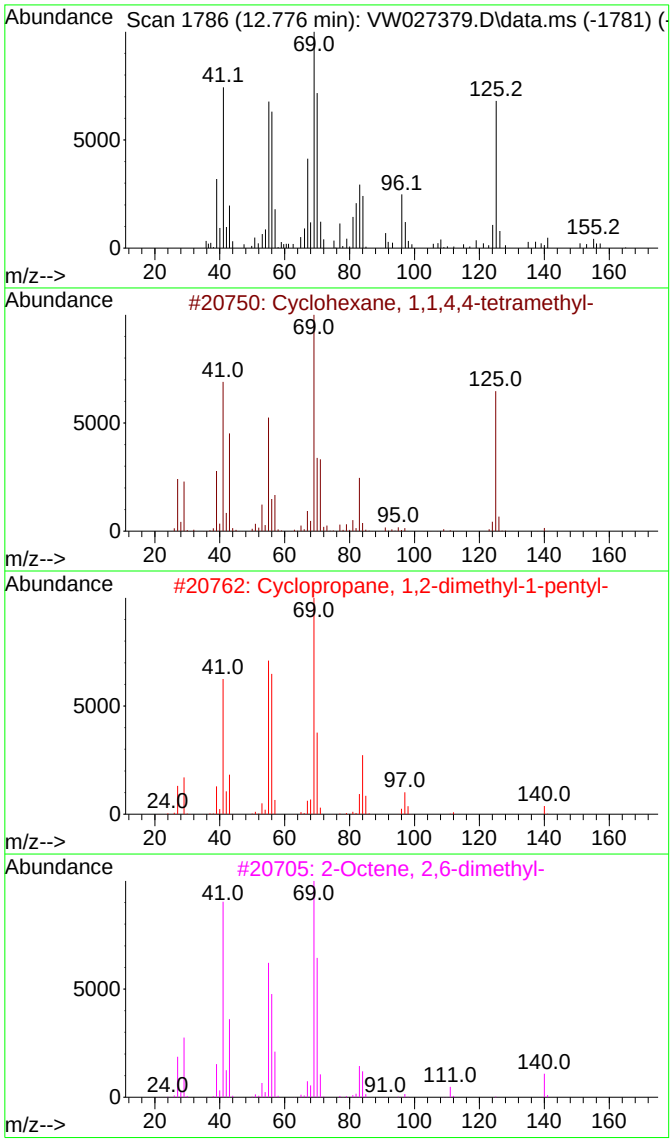
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

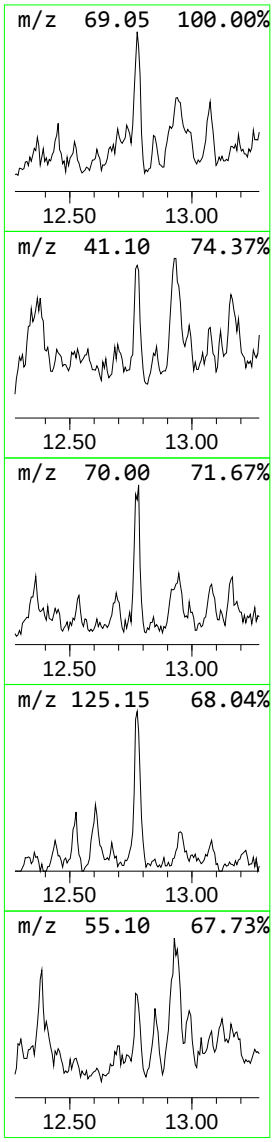
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Cyclic12.776 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.776	4.35 ug/L	52469	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	46
2	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	43
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	43
4	(1,2,4-Trimethylcyclohexyl)metha...	156	C10H20O	1000499-03-9	38
5	Formic acid, 3-methylpentyl ester	130	C7H14O2	1000368-21-3	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

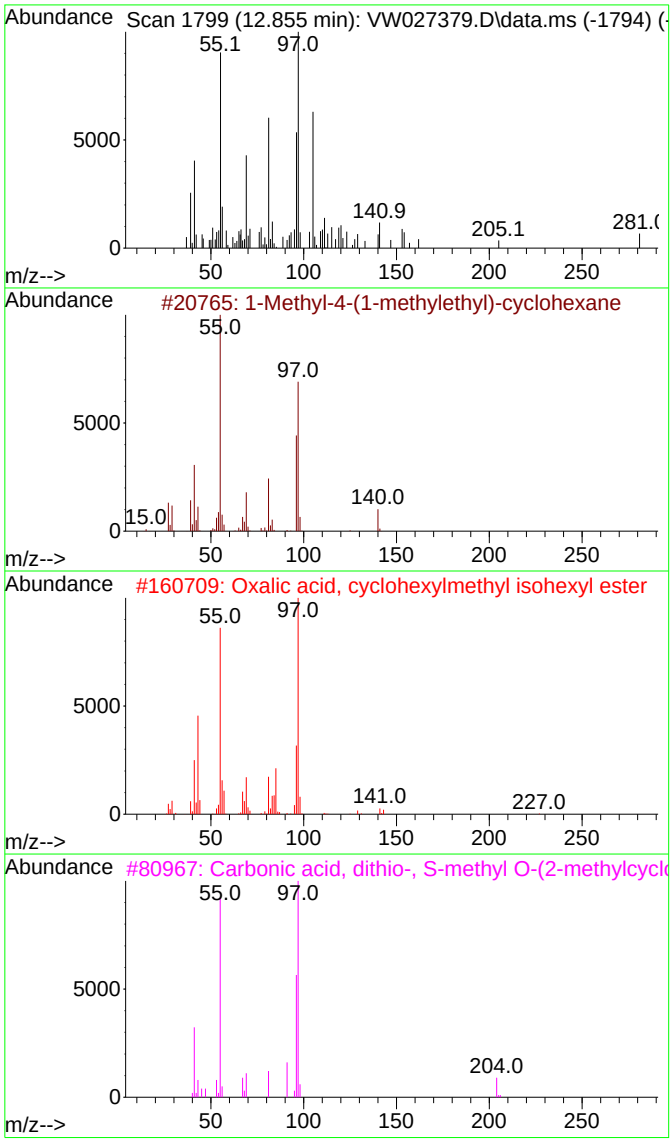
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

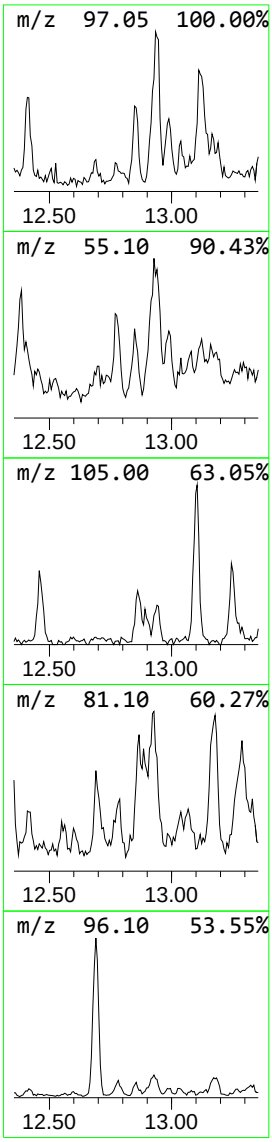
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Cyclic12.855 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.855	1.84 ug/L	22140	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	50
2	Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	50
3	Carbonic acid, dithio-, S-methyl...	204	C9H16OS2	015288-13-8	50
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	50
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

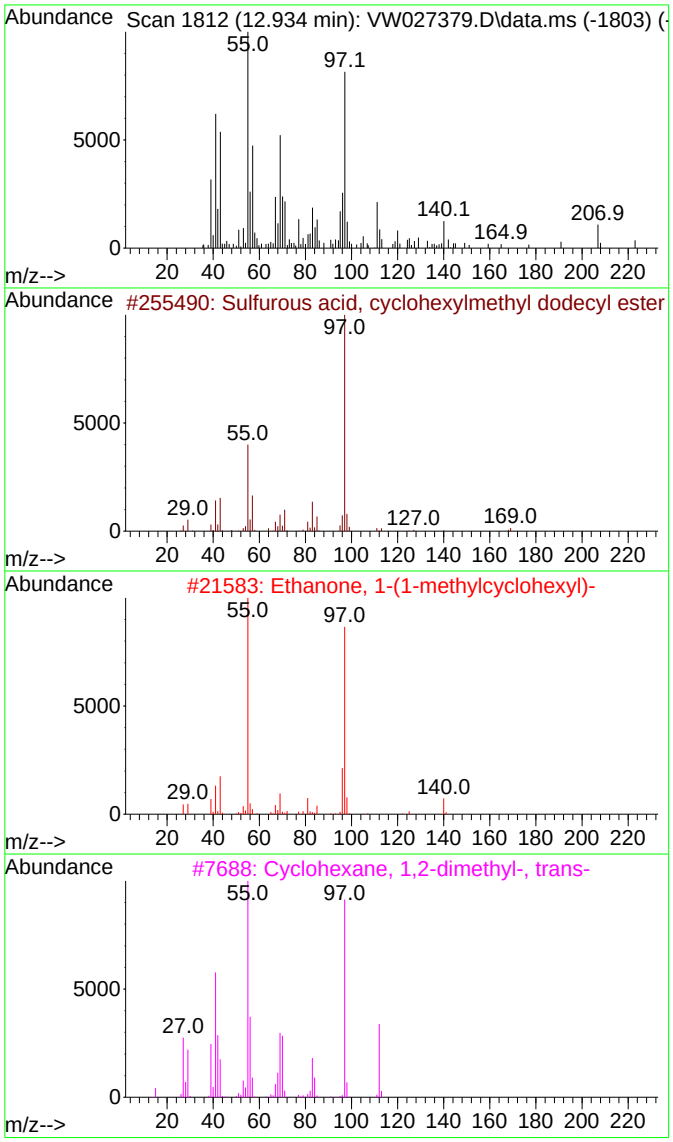
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

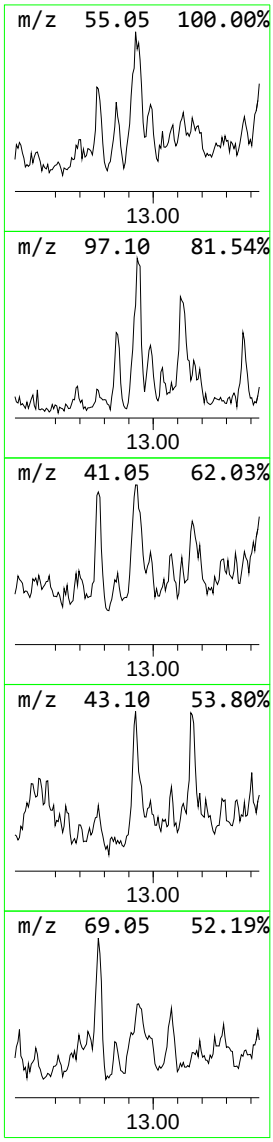
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Sulfurous acid, cyclohexylm... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.934	7.42 ug/L	89383	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, cyclohexylmethyl...	346	C19H38O3S	1000309-22-0	50
2	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	49
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	46
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	43
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

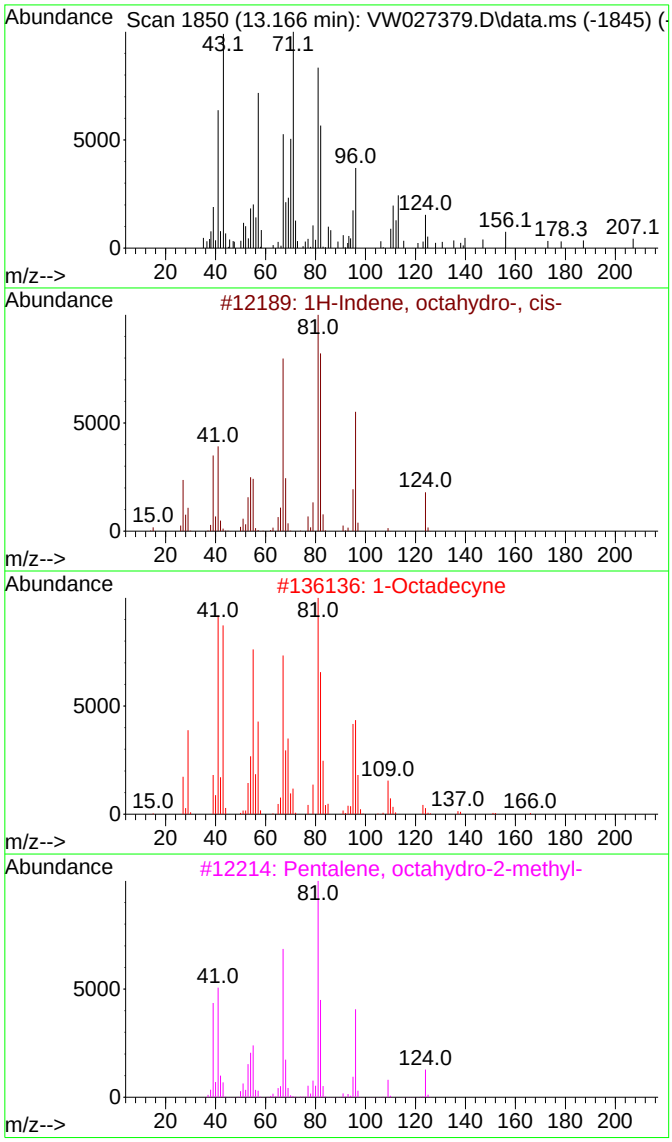
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

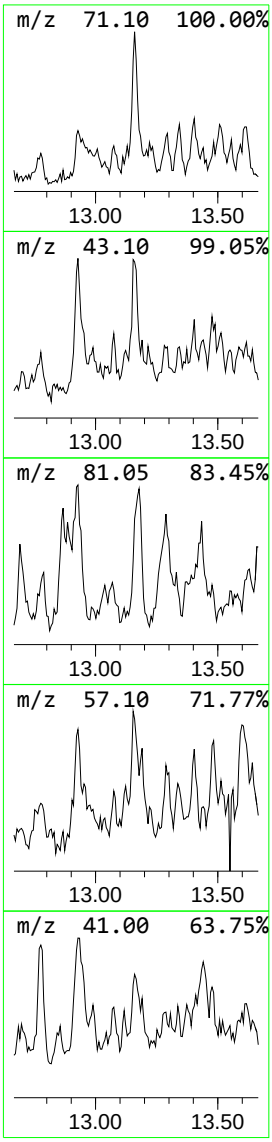
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 1H-Indene, octahydro-, cis- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.166	3.31 ug/L	39848	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	50
2	1-Octadecyne	250	C18H34	000629-89-0	43
3	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	35
4	1-(4-Methyl-1H-pyrazol-1-yl)etha...	124	C6H8N2O	1000385-75-6	25
5	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

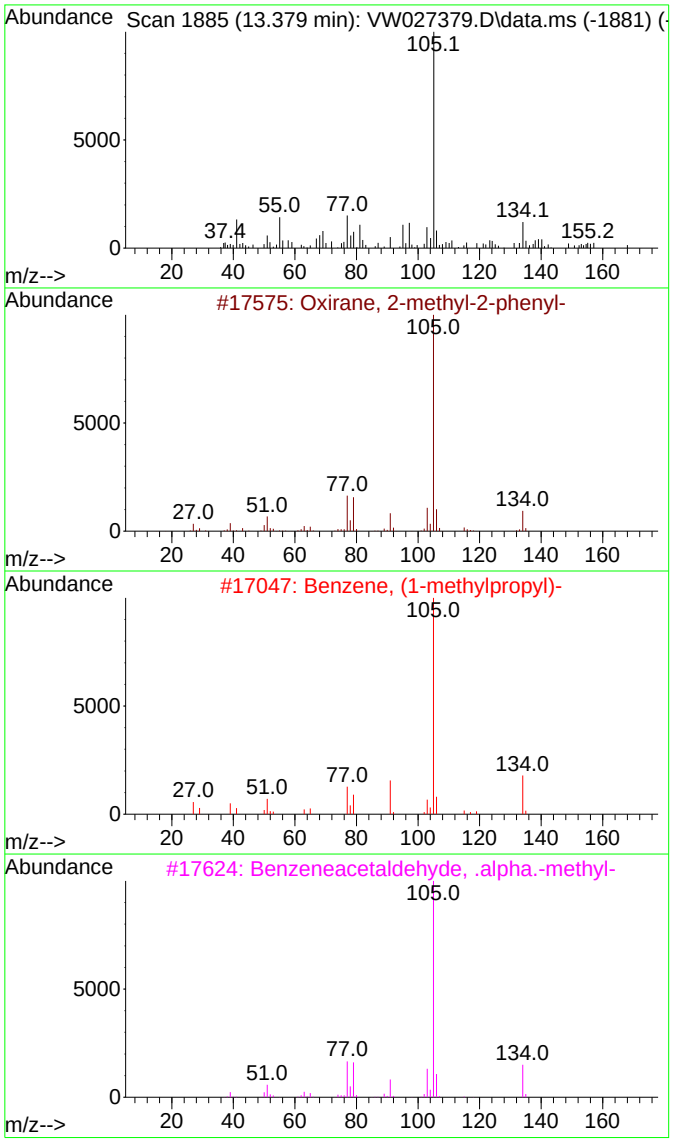
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

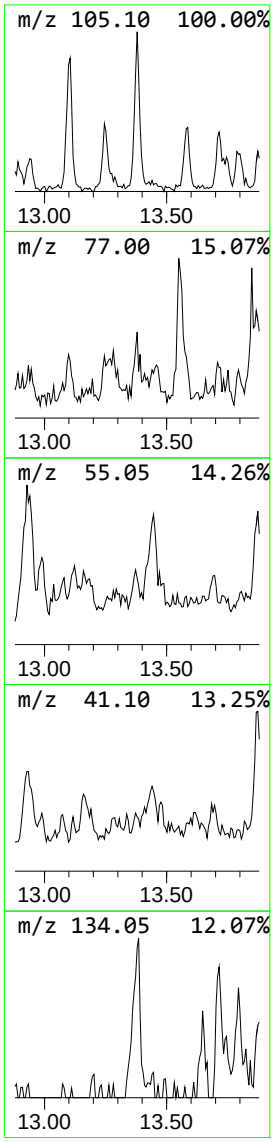
****

Peak Number 25 unknown-01 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.379	1.82 ug/L	21899	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	45
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	43
3	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	43
4	Benzene, 1-(chloromethyl)-4-methyl-	140	C8H9Cl	000104-82-5	38
5	3,5-Dimethylthiophenol	138	C8H10S	038360-81-5	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

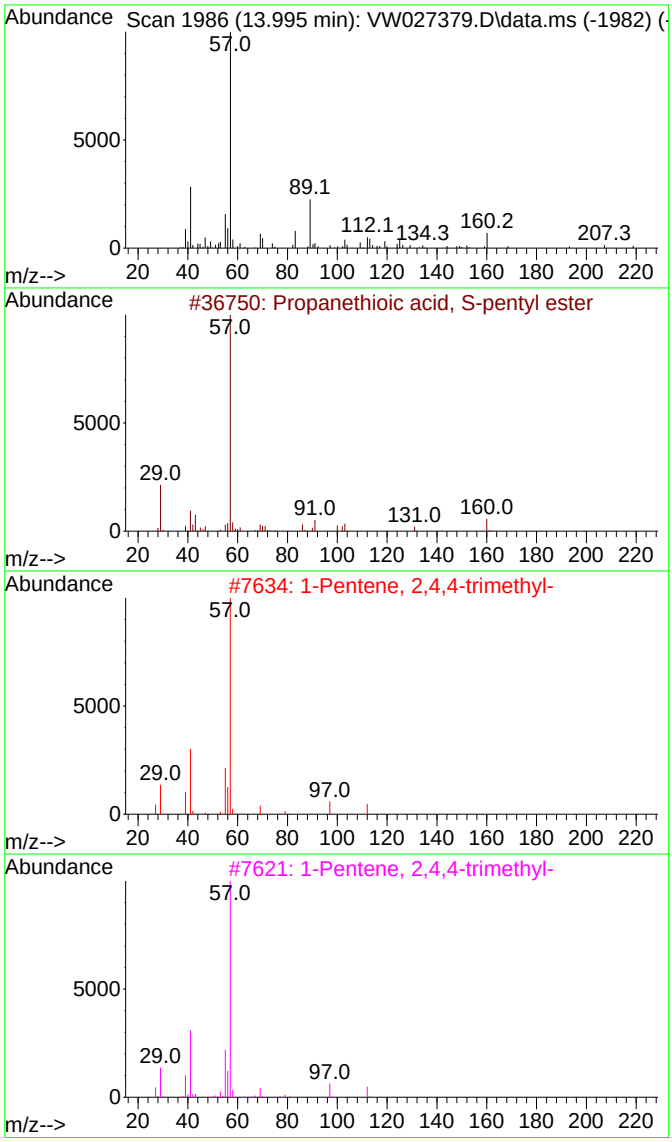
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

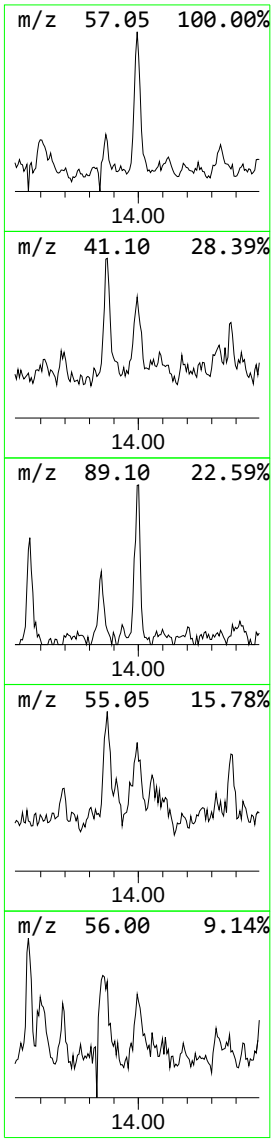
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 unknown-02 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.995	5.03 ug/L	60597	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanethioic acid, S-pentyl ester	160	C8H16OS	002602-64-4	27
2	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	14
3	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	14
4	4-Decene, 2,2-dimethyl-, (Z)-	168	C12H24	055499-03-1	14
5	2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	14





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

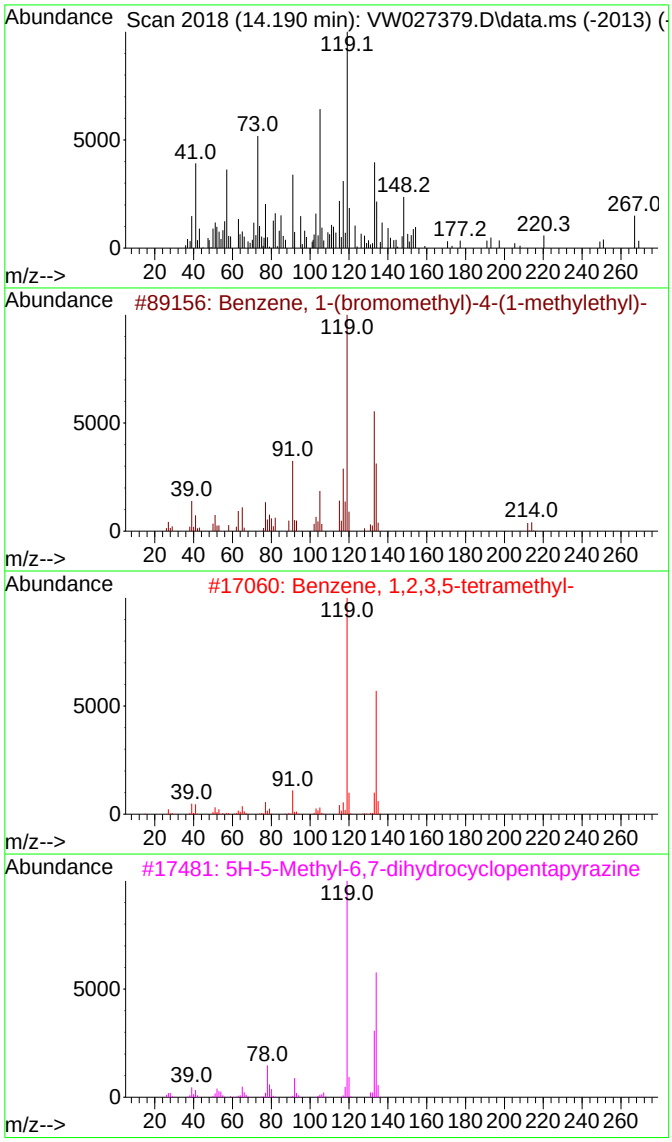
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

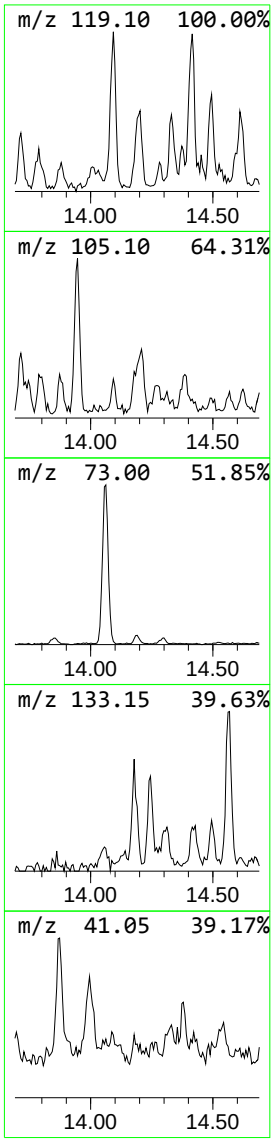
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Benzene, 1-(bromomethyl)-4-... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.190	3.25 ug/L	39109	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(bromomethyl)-4-(1-me...	212	C10H13Br	073789-86-3	59
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	43
3	5H-5-Methyl-6,7-dihydrocyclopent...	134	C8H10N2	023747-48-0	43
4	1H-1,5-Benzodiazepine, 2,3,4,5-t...	148	C9H12N2	006516-89-8	38
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

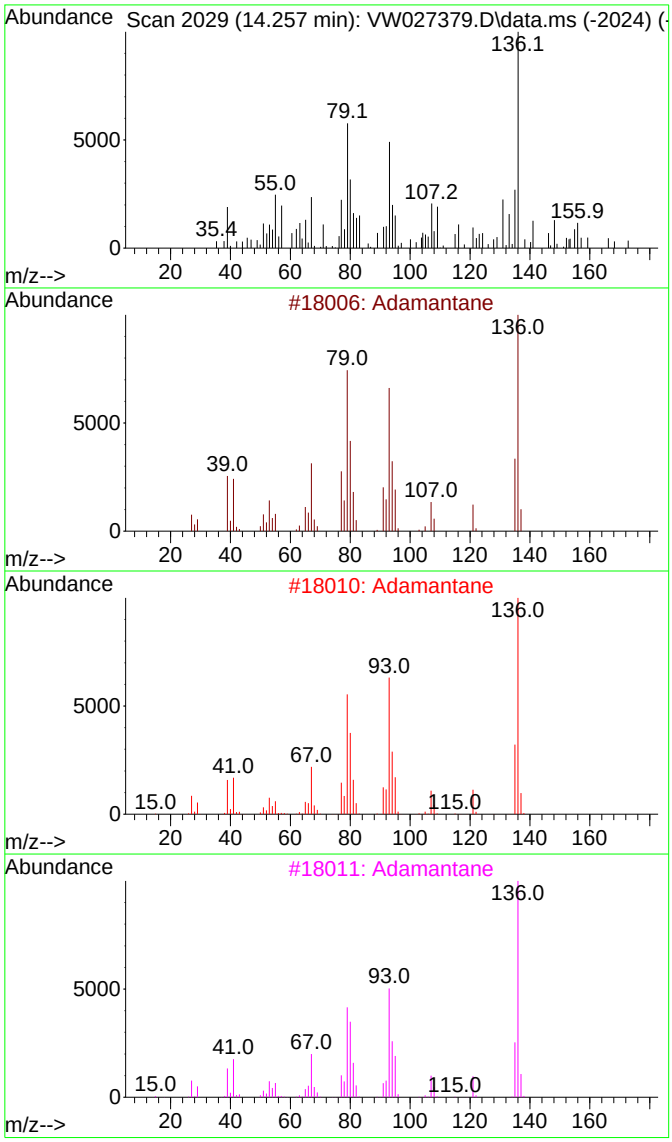
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

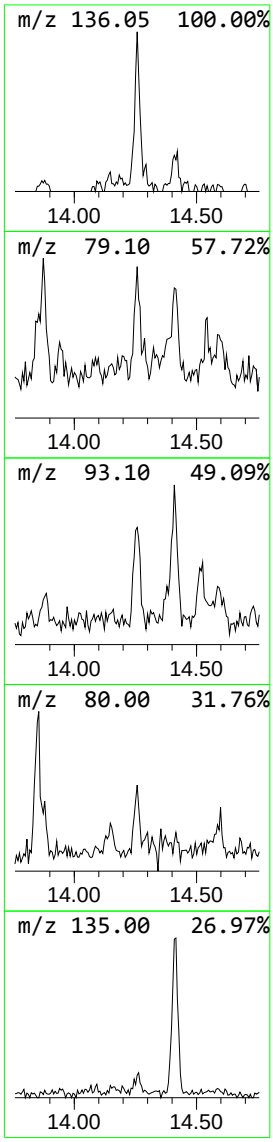
****

Peak Number 29 Adamantane Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.257	3.02 ug/L	36439	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	95
2	Adamantane	136	C10H16	000281-23-2	93
3	Adamantane	136	C10H16	000281-23-2	92
4	Adamantane	136	C10H16	000281-23-2	89
5	Adamantane	136	C10H16	000281-23-2	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

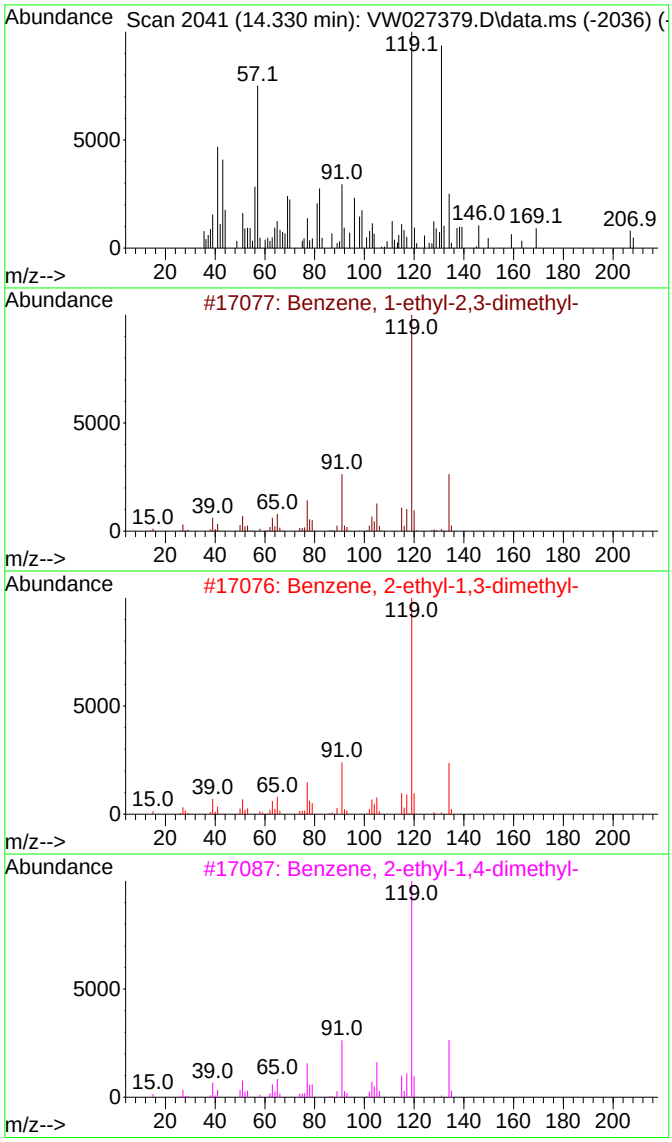
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

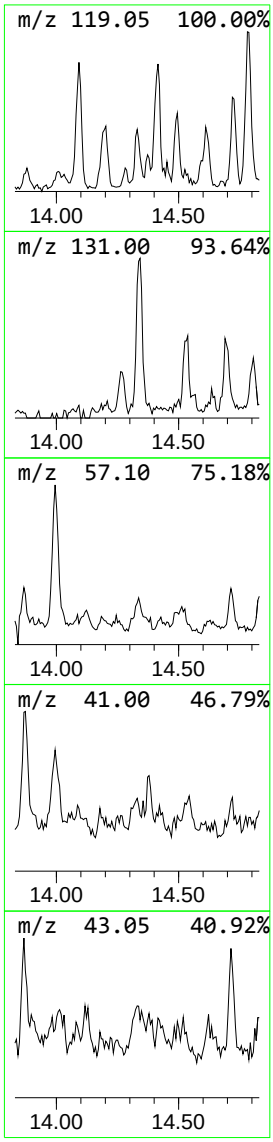
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 unknown-03 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.330	3.58 ug/L	43123	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	38
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	38
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	38
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	38
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

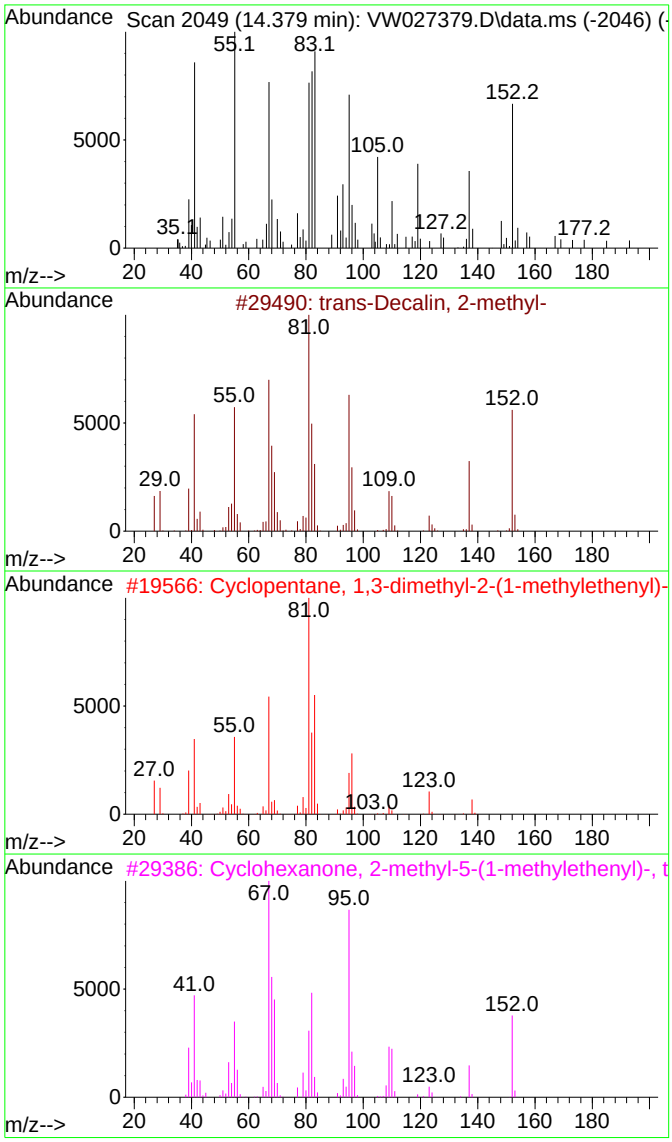
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

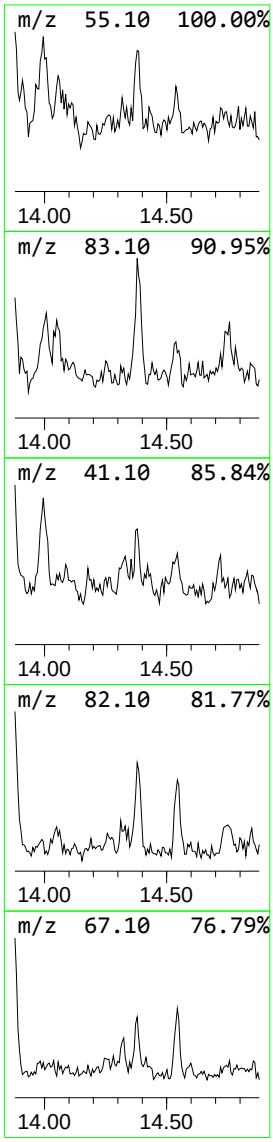
****

Peak Number 31 unknown-04 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.379	3.66 ug/L	44097	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	49
2	Cyclopentane, 1,3-dimethyl-2-(1-...	138	C10H18	061142-31-2	43
3	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	41
4	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	41
5	(E)-6-Methylhept-4-en-1-ol	128	C8H16O	855901-81-4	30





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Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

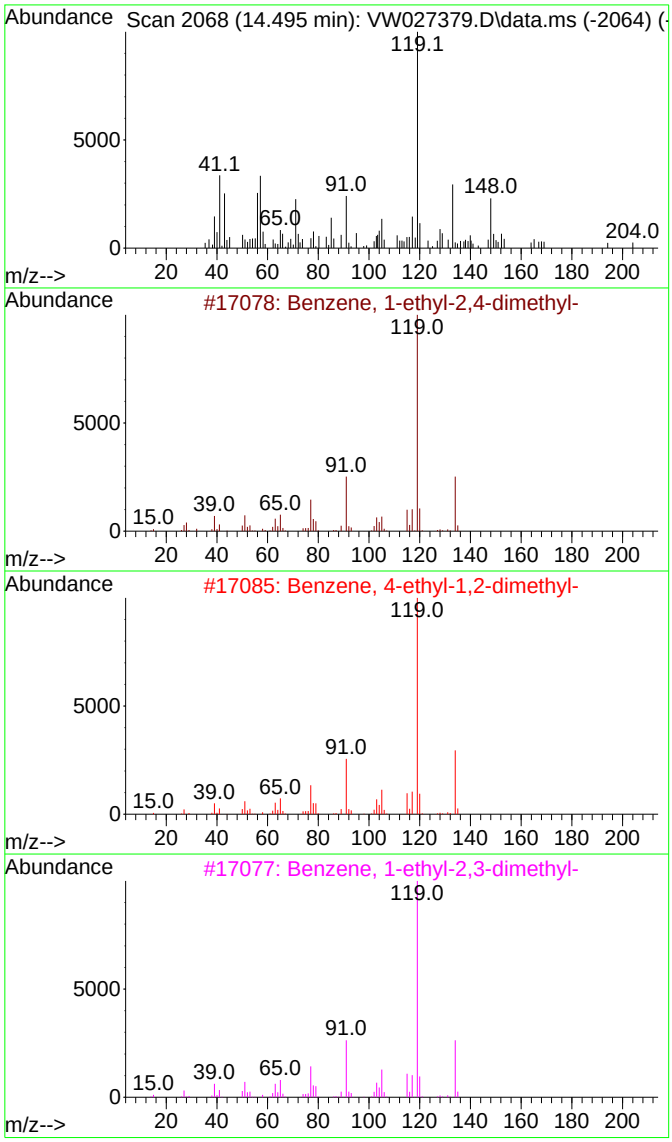
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

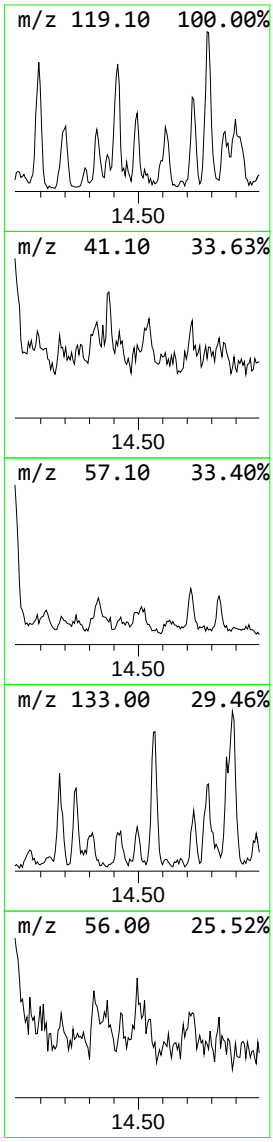
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.495	1.51 ug/L	18237	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	50
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	50
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	50
4	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	46
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	45





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Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

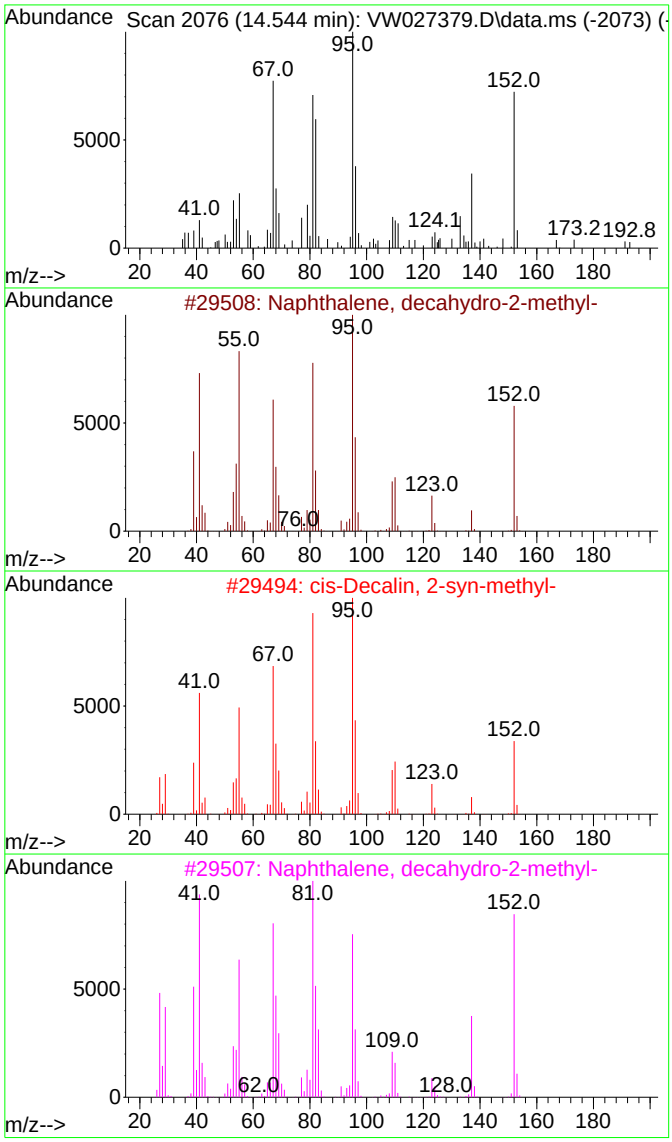
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

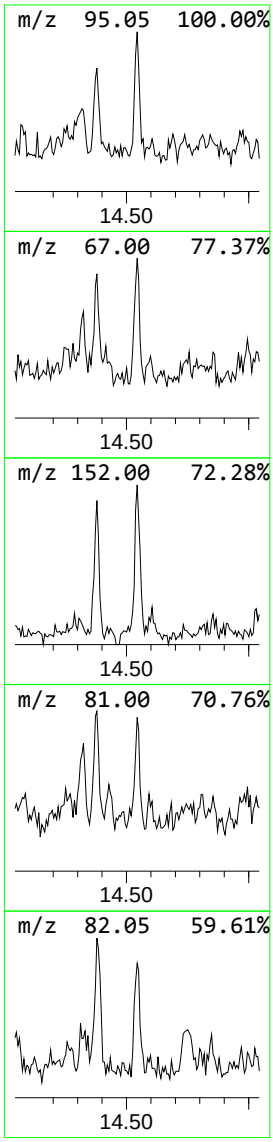
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Naphthalene, decahydro-2-me... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.544	2.47 ug/L	29739	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	72
2	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	72
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	49
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	49
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

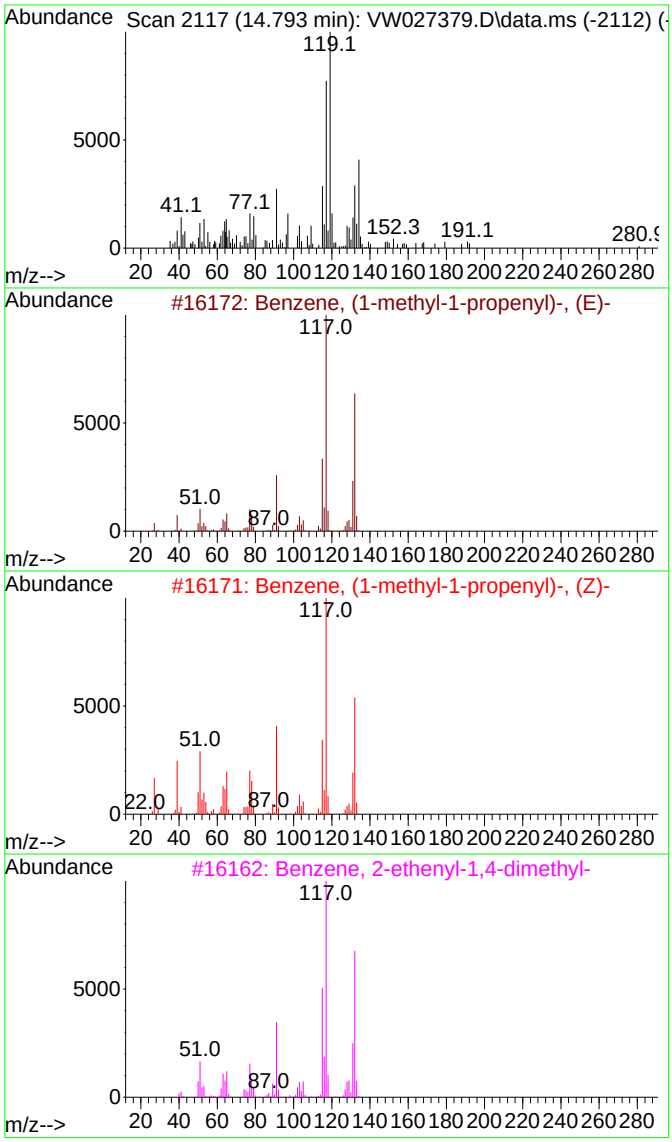
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

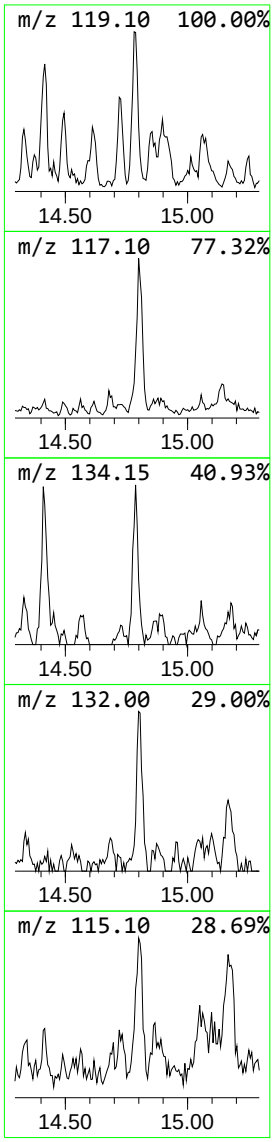
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 unknown-05 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.794	4.12 ug/L	49594	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	42
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	42
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	38
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	38
5	Ethanone, 1-(4-methylphenyl)-	134	C9H10O	000122-00-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

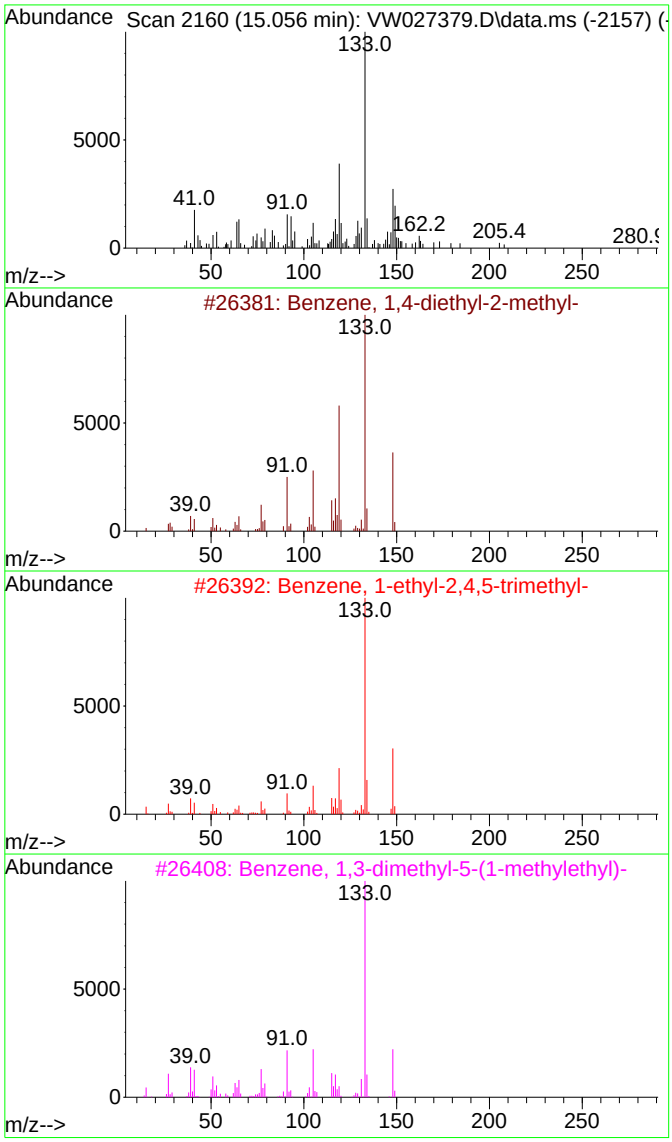
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

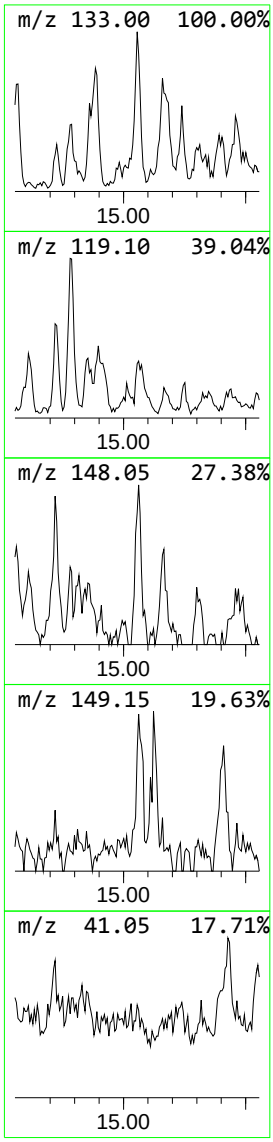
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.056	1.62 ug/L	19549	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	64
2	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	52
3	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	49
4	3,4-Dimethylcumene	148	C11H16	1000370-34-1	49
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

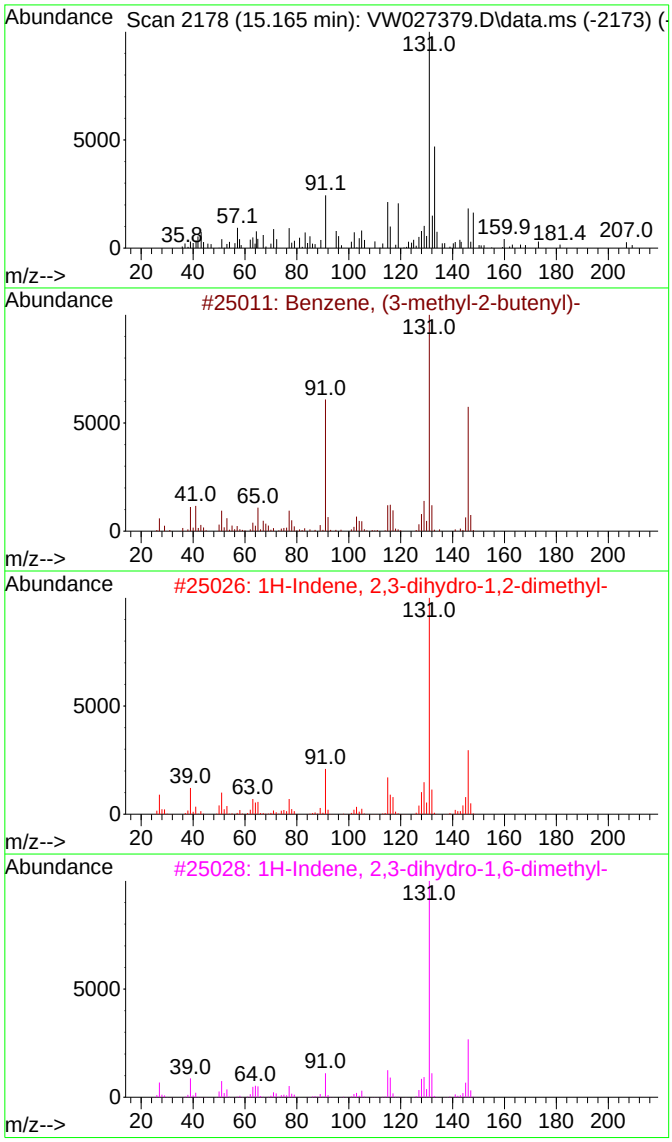
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

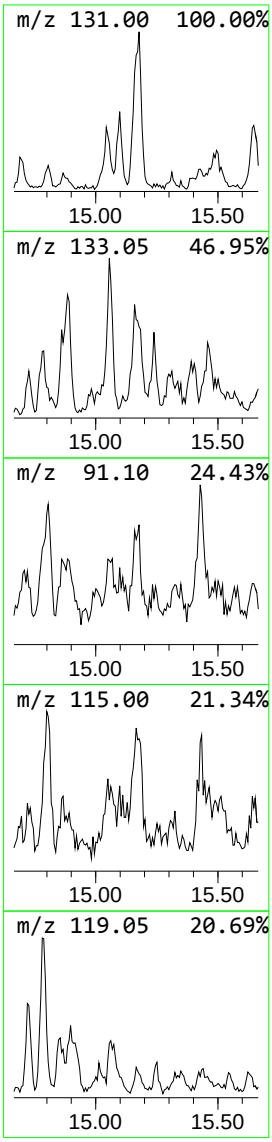
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Benzene, (3-methyl-2-butenyl)- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.165	1.95 ug/L	23443	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	60
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	60
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	60
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	58
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

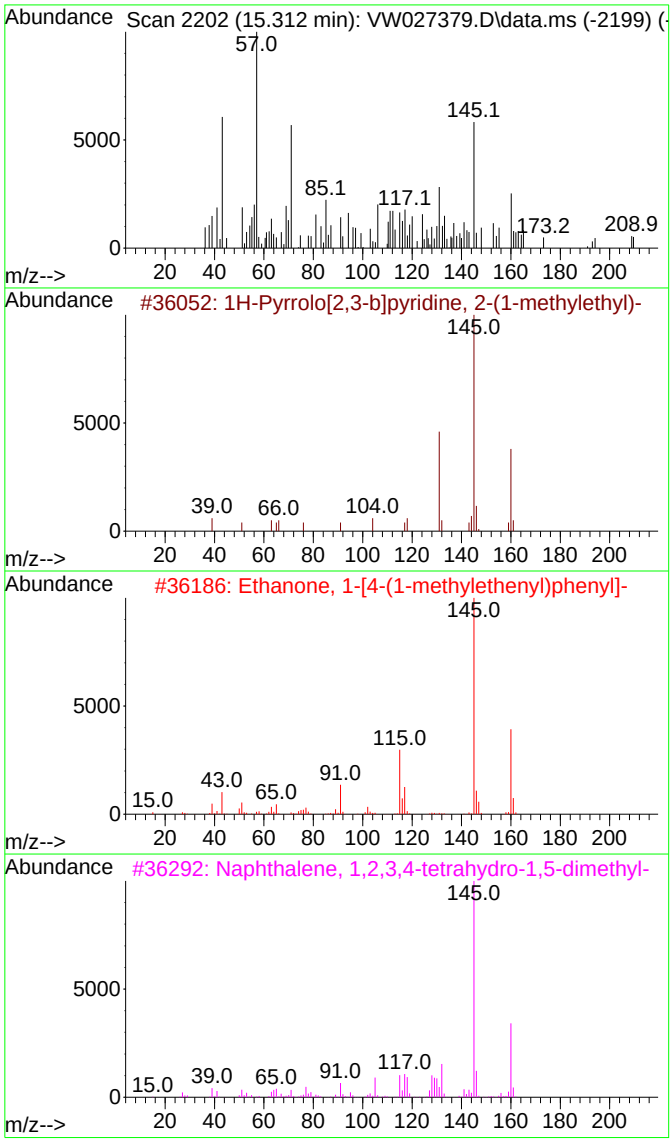
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

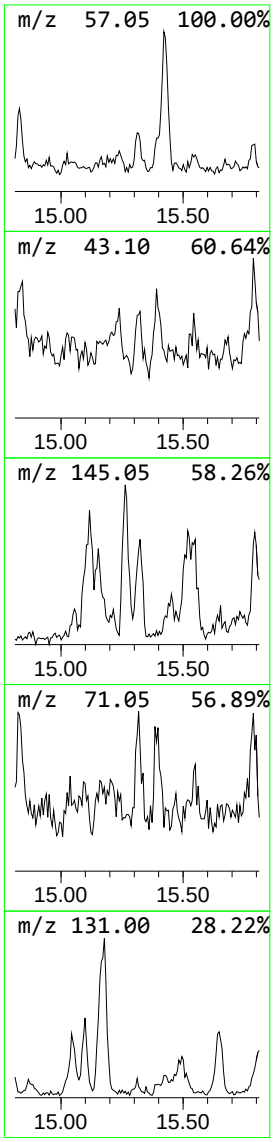
****

Peak Number 39 unknown-06 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.312	1.38 ug/L	16669	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrrolo[2,3-b]pyridine, 2-(1-...	160	C10H12N2	027257-18-7	30
2	Ethanone, 1-[4-(1-methylethenyl)...	160	C11H12O	005359-04-6	18
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	18
4	5-Methyl-1-phenyl-4,5-dihydro-2-...	160	C10H12N2	020409-84-1	18
5	4-Quinolinol	145	C9H7NO	000611-36-9	15





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

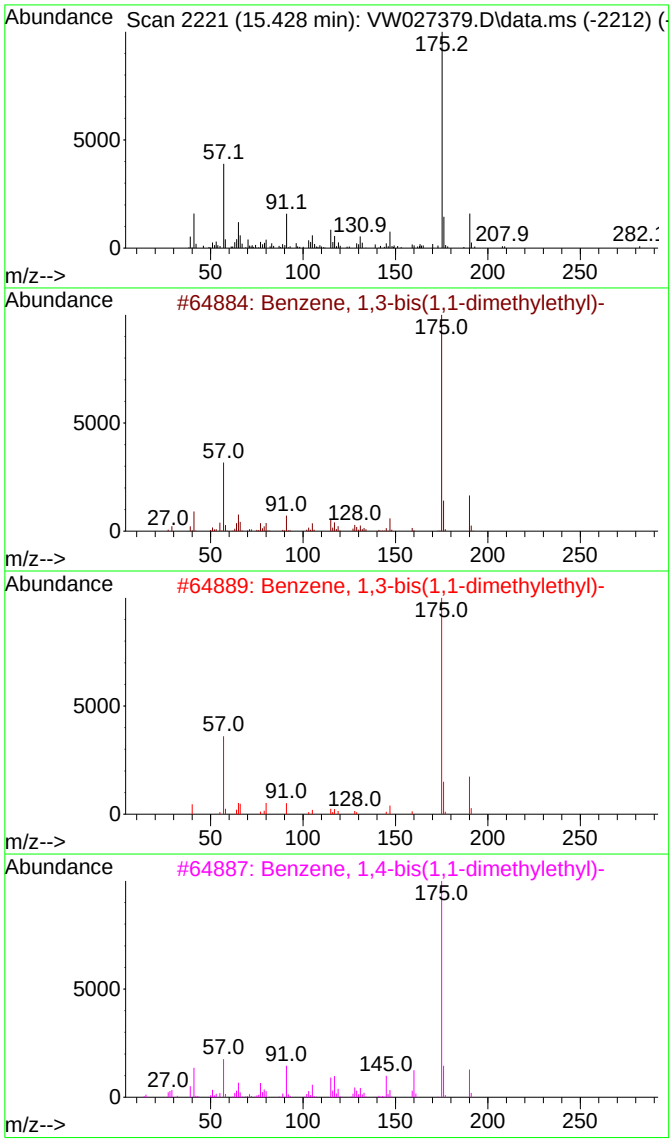
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

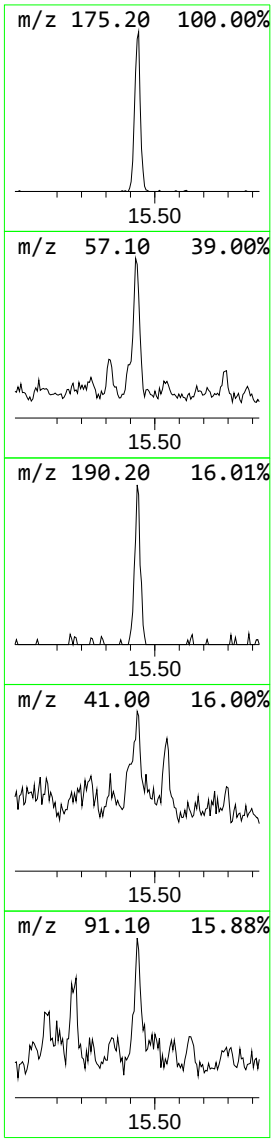
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 Benzene, 1,3-bis(1,1-dimeth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.428	7.45 ug/L	89736	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	93
2	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	87
3	Benzene, 1,4-bis(1,1-dimethyleth...	190	C14H22	001012-72-2	83
4	Benzenepropanal, 4-(1,1-dimethyl...	190	C13H18O	018127-01-0	80
5	Benzene, 1,3-bis(1,1-dimethyleth...	190	C14H22	001014-60-4	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

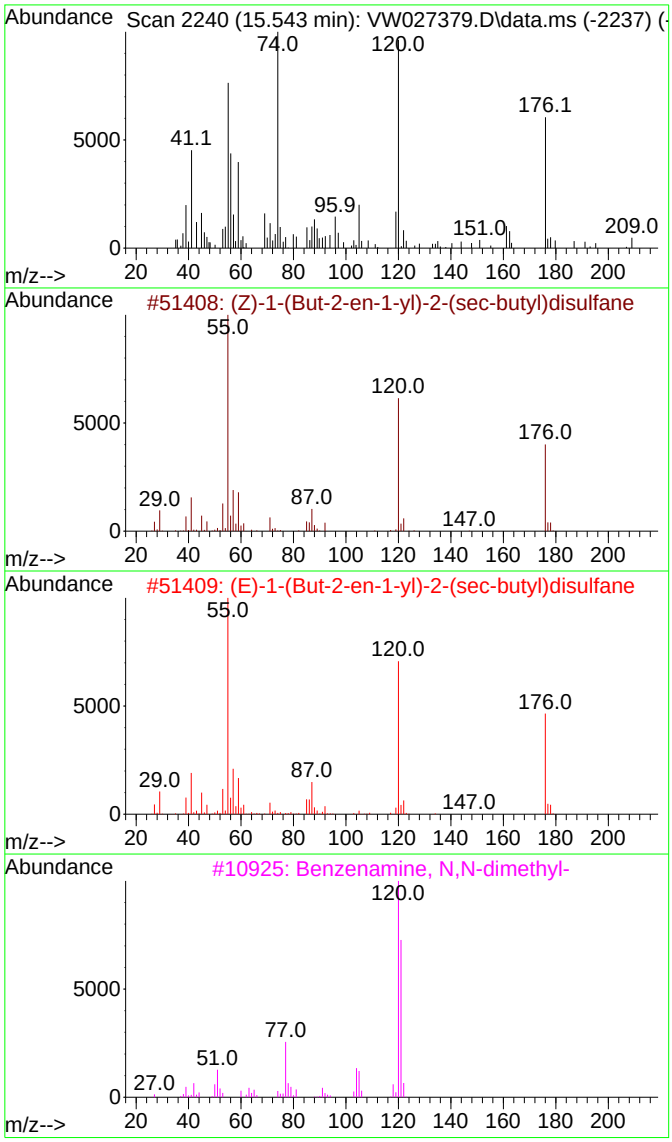
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

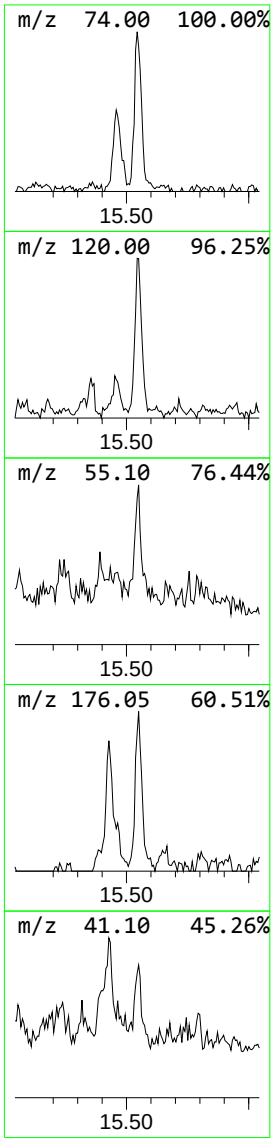
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 unknown-07 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.543	4.10 ug/L	49392	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z)-1-(But-2-en-1-yl)-2-(sec-but...	176	C8H16S2	110690-23-8	42
2	(E)-1-(But-2-en-1-yl)-2-(sec-but...	176	C8H16S2	110690-24-9	38
3	Benzenamine, N,N-dimethyl-	121	C8H11N	000121-69-7	14
4	1,2,3,4-Pentadecanetetrol, [2R-(...	276	C15H32O4	136953-05-4	12
5	dl-Homoserine	119	C4H9NO3	001927-25-9	12





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

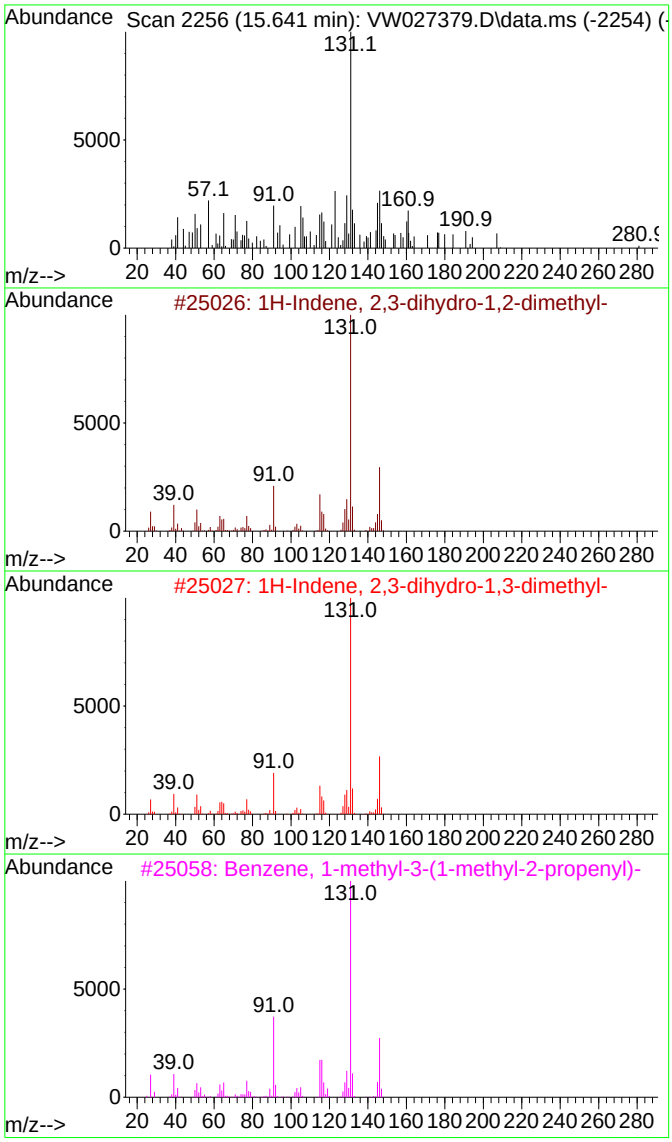
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

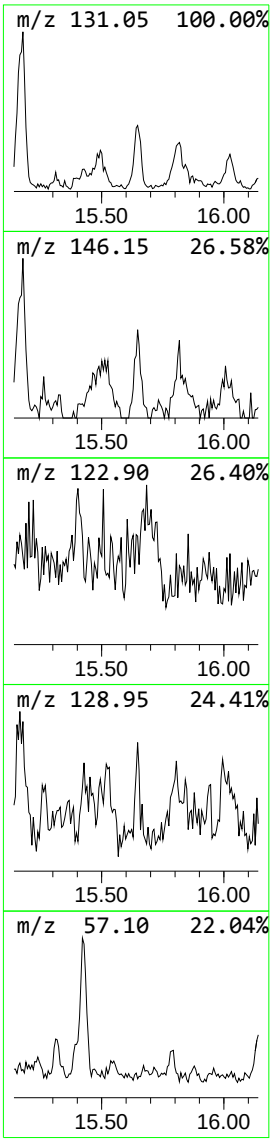
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 unknown-08 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.641	1.79 ug/L	21608	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	49
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	49
3	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	46
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	46
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

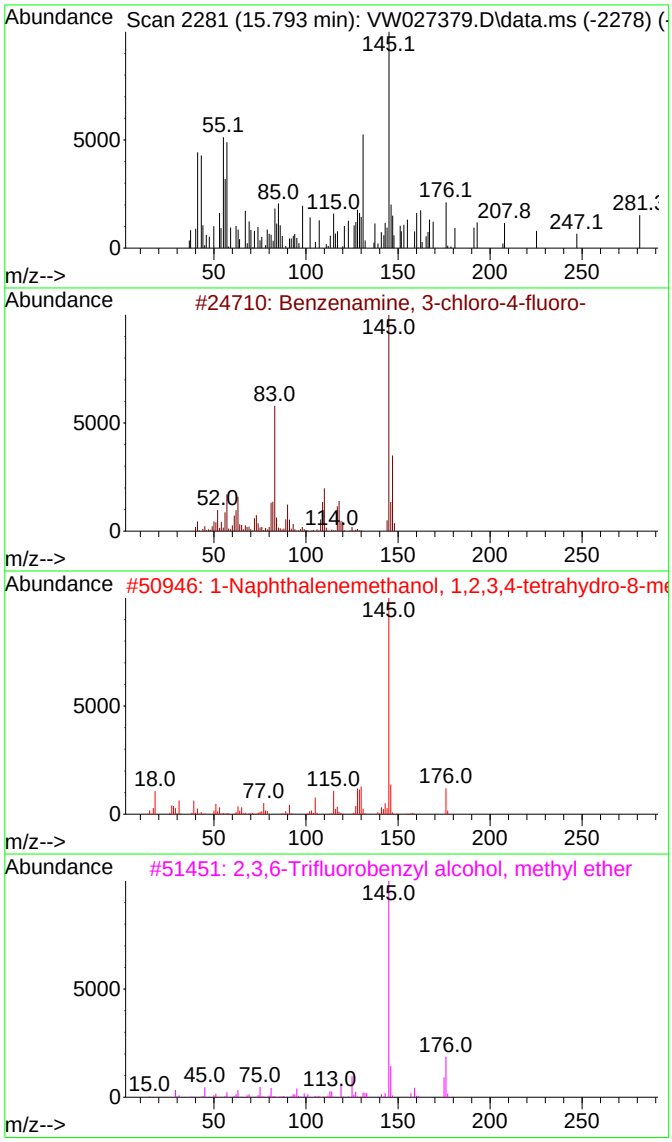
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

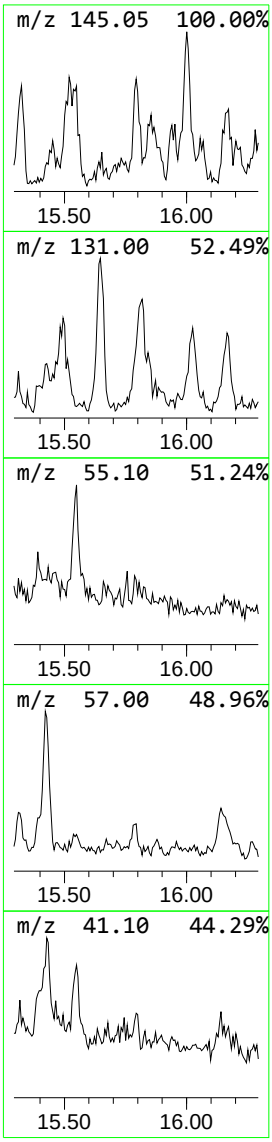
****

Peak Number 43 unknown-09 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.793	1.37 ug/L	16525	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 3-chloro-4-fluoro-	145	C6H5ClFN	000367-21-5	38
2	1-Naphthalenemethanol, 1,2,3,4-t...	176	C12H16O	036052-28-5	38
3	2,3,6-Trifluorobenzyl alcohol, m...	176	C8H7F3O	1000364-21-3	38
4	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	25
5	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102023\
Data File : VW027379.D
Acq On : 20 Oct 2023 17:22
Operator : SY/MD
Sample : 04922-04
Misc : 4.82g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EOAR2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	3.033	5.8	ug/L	174207	1	8.843	745060	25.0
(DEL) Alkane: S...	3.393	2.8	ug/L	83156	1	8.843	745060	25.0
(DEL) Alkane: S...	4.966	13.3	ug/L	395706	1	8.843	745060	25.0
(DEL) Alkane: S...	5.441	4.9	ug/L	146207	1	8.843	745060	25.0
(DEL) Alkane: S...	5.947	2.8	ug/L	82906	1	8.843	745060	25.0
(DEL) Alkane: S...	6.874	2.0	ug/L	60611	1	8.843	745060	25.0
(DEL) Alkane: C...	6.990	5.5	ug/L	163446	1	8.843	745060	25.0
(DEL) Alkane: S...	8.033	3.7	ug/L	110587	1	8.843	745060	25.0
(DEL) Alkane: S...	8.154	1.9	ug/L	55799	1	8.843	745060	25.0
(DEL) Alkane: S...	8.478	7.4	ug/L	219946	1	8.843	745060	25.0
(DEL) Alkane: S...	9.075	1.6	ug/L	47841	1	8.843	745060	25.0
Propane, 2-meth...	9.532	1.3	ug/L	38741	1	8.843	745060	25.0
(DEL) Alkane: S...	9.758	2.2	ug/L	66246	1	8.843	745060	25.0
(DEL) Alkane: S...	9.892	2.7	ug/L	81618	1	8.843	745060	25.0
2-Pentanone, 4,...	10.825	5.9	ug/L	133161	2	11.629	563836	25.0
(DEL) Alkane: C...	11.434	2.0	ug/L	44537	2	11.629	563836	25.0
(DEL) Alkane: S...	11.520	1.5	ug/L	34306	2	11.629	563836	25.0
Cyclopropane, (...	12.343	1.3	ug/L	29907	2	11.629	563836	25.0
(DEL) Alkane: C...	12.776	4.3	ug/L	52469	3	13.556	301280	25.0
(DEL) Alkane: C...	12.855	1.8	ug/L	22140	3	13.556	301280	25.0
Sulfurous acid,...	12.934	7.4	ug/L	89383	3	13.556	301280	25.0
1H-Indene, octa...	13.166	3.3	ug/L	39848	3	13.556	301280	25.0
unknown-01	13.379	1.8	ug/L	21899	3	13.556	301280	25.0
unknown-02	13.995	5.0	ug/L	60597	3	13.556	301280	25.0
Benzene, 1-(bro...	14.190	3.3	ug/L	39109	3	13.556	301280	25.0
Adamantane	14.257	3.0	ug/L	36439	3	13.556	301280	25.0
unknown-03	14.330	3.6	ug/L	43123	3	13.556	301280	25.0
unknown-04	14.379	3.7	ug/L	44097	3	13.556	301280	25.0
Benzene, 1-ethy...	14.495	1.5	ug/L	18237	3	13.556	301280	25.0
Naphthalene, de...	14.544	2.5	ug/L	29739	3	13.556	301280	25.0
unknown-05	14.794	4.1	ug/L	49594	3	13.556	301280	25.0
Benzene, 1,4-di...	15.056	1.6	ug/L	19549	3	13.556	301280	25.0
Benzene, (3-met...	15.165	2.0	ug/L	23443	3	13.556	301280	25.0
unknown-06	15.312	1.4	ug/L	16669	3	13.556	301280	25.0
Benzene, 1,3-bi...	15.428	7.5	ug/L	89736	3	13.556	301280	25.0
unknown-07	15.543	4.1	ug/L	49392	3	13.556	301280	25.0
unknown-08	15.641	1.8	ug/L	21608	3	13.556	301280	25.0
unknown-09	15.793	1.4	ug/L	16525	3	13.556	301280	25.0