LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022468.D
Acq On : 08 Apr 2022 16:55
Operator : SY/VA
Sample : N2293-16
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP4

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\SFAMWLM040722SMA.M
Title : SFAM01.0

Signal : TIC: VW022468.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.965	4	10	42	rBV	6854657	11042559	99.38%	15.156%
2	2.355	69	74	87	rVB	125472	239878	2.16%	0.329%
3	2.892	155	162	173	rVB	83555	179267	1.61%	0.246%
4	3.379	237	242	254	rVB	3364	9947	0.09%	0.014%
5	3.940	323	334	337	rVV7	9347	24738	0.22%	0.034%
6	4.026	337	348	360	rVV2	135843	431793	3.89%	0.593%
7	4.123	363	364	370	rVV4	6454	11505	0.10%	0.016%
8	4.215	372	379	395	rVB6	15294	51019	0.46%	0.070%
9	4.404	403	410	414	rBV9	3057	8444	0.08%	0.012%
10	4.782	471	472	481	rVB7	2874	5643	0.05%	0.008%
11	4.916	484	494	496	rBV3	10476	23592	0.21%	0.032%
12	4.940	496	498	499	rVV2	11716	11399	0.10%	0.016%
13	5.013	502	510	522	rVV	33160	120040	1.08%	0.165%
14	5.190	528	539	551	rVV2	32172	106029	0.95%	0.146%
15	5.562	589	600	613	rVB3	13806	43334	0.39%	0.059%
16	5.787	634	637	643	rVB8	2383	5592	0.05%	0.008%
17	5.940	653	662	676	rVB3	19412	61129	0.55%	0.084%
18	6.111	686	690	697	rVB7	4367	9888	0.09%	0.014%
19	6.214	697	707	716	rBV5	9138	29162	0.26%	0.040%
20	6.428	734	742	745	rBV10	5121	12616	0.11%	0.017%
21	6.519	749	757	758	rBV8	5954	10332	0.09%	0.014%
22	6.623	769	774	783	rVB4	8586	24084	0.22%	0.033%
23	6.982	823	833	841	rVV2	17840	55354	0.50%	0.076%
24	7.080	841	849	859	rVV2	40636	144509	1.30%	0.198%
25	7.177	859	865	876	rVB3	24607	68180	0.61%	0.094%
26	7.647	931	942	957	rVV	237572	598981	5.39%	0.822%
27	7.952	982	992	1001	rVV3	22155	62383	0.56%	0.086%
28	8.153	1021	1025	1032	rVB9	3072	5672	0.05%	0.008%
29	8.324	1034	1053	1064	rBV	4556833	11111032	100.00%	15.250%
30	8.452	1071	1074	1081	rVB3	9891	20121	0.18%	0.028%
31	8.567	1088	1093	1099	rVB6	5299	12652	0.11%	0.017%
32	8.695	1110	1114	1119	rBV6	2934	7410	0.07%	0.010%
33	8.842	1128	1138	1150	rBV	469351	934102	8.41%	1.282%
34	9.049	1164	1172	1174	rBV2	46273	87144	0.78%	0.120%
35	9.092	1174	1179	1186	rVB	119486	234130	2.11%	0.321%
36	9.153	1187	1189	1197	rVB4	7681	12177	0.11%	0.017%

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ClientSampleId :
ETNP4

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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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Title : SFAM01.0

37	9.275	1199	1209	1218	rBV	331210	728199	6.55%	0.999%
38	9.506	1238	1247	1257	rVV	159905	319740	2.88%	0.439%
39	9.781	1288	1292	1296	rBV5	2980	5882	0.05%	0.008%
40	9.963	1308	1322	1328	rBV	329888	683400	6.15%	0.938%
41	10.037	1328	1334	1342	rVV	176100	323937	2.92%	0.445%
42	10.201	1358	1361	1365	rBV4	3621	5737	0.05%	0.008%
43	10.323	1372	1381	1385	rBV	647593	1118732	10.07%	1.536%
44	10.384	1385	1391	1400	rVV2	2313350	4062674	36.56%	5.576%
45	10.463	1400	1404	1416	rVB9	11064	31912	0.29%	0.044%
46	10.579	1416	1423	1434	rVB	107495	193985	1.75%	0.266%
47	10.719	1439	1446	1449	rBV3	47068	91699	0.83%	0.126%
48	10.750	1449	1451	1459	rVB3	25562	41436	0.37%	0.057%
49	10.823	1459	1463	1464	rBV3	5612	8809	0.08%	0.012%
50	10.860	1464	1469	1473	rVB2	25441	39568	0.36%	0.054%
51	10.933	1473	1481	1491	rBV	4475556	7844547	70.60%	10.767%
52	11.061	1497	1502	1508	rVB9	6805	13198	0.12%	0.018%
53	11.286	1532	1539	1546	rBV2	19109	36555	0.33%	0.050%
54	11.402	1549	1558	1566	rVB2	26192	64104	0.58%	0.088%
55	11.482	1566	1571	1575	rBV5	6334	12370	0.11%	0.017%
56	11.555	1575	1583	1589	rBV	645760	1024899	9.22%	1.407%
57	11.652	1589	1599	1607	rVV2	5082979	10695039	96.26%	14.679%
58	11.731	1607	1612	1619	rVB	233742	390895	3.52%	0.537%
59	11.817	1619	1626	1639	rVB3	88246	241278	2.17%	0.331%
60	11.969	1644	1651	1654	rBV8	9025	21847	0.20%	0.030%
61	12.061	1660	1666	1673	rBV	144420	253022	2.28%	0.347%
62	12.109	1673	1674	1677	rVV3	4962	5589	0.05%	0.008%
63	12.164	1678	1683	1690	rVB	44407	86174	0.78%	0.118%
64	12.225	1690	1693	1700	rVB9	4136	8787	0.08%	0.012%
65	12.311	1700	1707	1716	rBV2	19561	44562	0.40%	0.061%
66	12.402	1716	1722	1726	rBV8	3533	7477	0.07%	0.010%
67	12.463	1728	1732	1736	rVB5	3598	5632	0.05%	0.008%
68	12.603	1749	1755	1758	rBV3	13900	22272	0.20%	0.031%
69	12.658	1758	1764	1767	rVV	395744	687660	6.19%	0.944%
70	12.689	1767	1769	1773	rVV	267028	389457	3.51%	0.535%
71	12.743	1773	1778	1785	rVV	2582108	4256615	38.31%	5.842%
72	12.798	1785	1787	1793	rVB2	32120	40099	0.36%	0.055%
73	12.890	1793	1802	1814	rBV	363005	640395	5.76%	0.879%
74	13.115	1832	1839	1845	rVB6	33980	68481	0.62%	0.094%
75	13.189	1845	1851	1855	rBV7	7858	12678	0.11%	0.017%
76	13.250	1855	1861	1865	rBV2	11784	21320	0.19%	0.029%

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Instrument :
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ClientSampleId :
ETNP4

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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Title : SFAM01.0

77	13.292	1865	1868	1877	rVB10	8055	16615	0.15%	0.023%
78	13.378	1877	1882	1884	rBV5	4584	8304	0.07%	0.011%
79	13.554	1901	1911	1919	rBV	771783	1302757	11.72%	1.788%
80	13.640	1919	1925	1930	rBV2	202436	345077	3.11%	0.474%
81	13.756	1940	1944	1950	rVB6	8860	15955	0.14%	0.022%
82	13.853	1950	1960	1972	rVV3	638105	1260461	11.34%	1.730%
83	14.036	1984	1990	2003	rVB2	73069	129730	1.17%	0.178%
84	14.213	2012	2019	2025	rVB2	71912	119025	1.07%	0.163%
85	14.341	2037	2040	2045	rVB4	6628	10583	0.10%	0.015%
86	14.469	2046	2061	2068	rBV	1241069	2058504	18.53%	2.825%
87	14.566	2073	2077	2082	rVB7	6629	10518	0.09%	0.014%
88	14.737	2093	2105	2114	rBV3	1853084	3199646	28.80%	4.392%
89	14.957	2136	2141	2144	rBV7	3811	6161	0.06%	0.008%
90	15.109	2154	2166	2174	rBV	140201	309053	2.78%	0.424%
91	15.249	2185	2189	2195	rVB9	4306	8427	0.08%	0.012%
92	15.310	2195	2199	2203	rBV6	4770	8686	0.08%	0.012%
93	15.359	2203	2207	2214	rVB2	9614	18088	0.16%	0.025%
94	15.487	2219	2228	2234	rBV3	13990	33689	0.30%	0.046%
95	15.548	2234	2238	2241	rVV6	8222	12521	0.11%	0.017%
96	15.603	2241	2247	2259	rVB2	120245	225121	2.03%	0.309%
97	15.731	2259	2268	2287	rBV	1355970	2629924	23.67%	3.610%
98	16.103	2325	2329	2339	rVB8	10940	27793	0.25%	0.038%
99	16.456	2381	2387	2391	rBV9	4878	12417	0.11%	0.017%
100	16.731	2421	2432	2441	rBV	324925	722056	6.50%	0.991%

Sum of corrected areas: 72857610

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Instrument :
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ClientSampleId :
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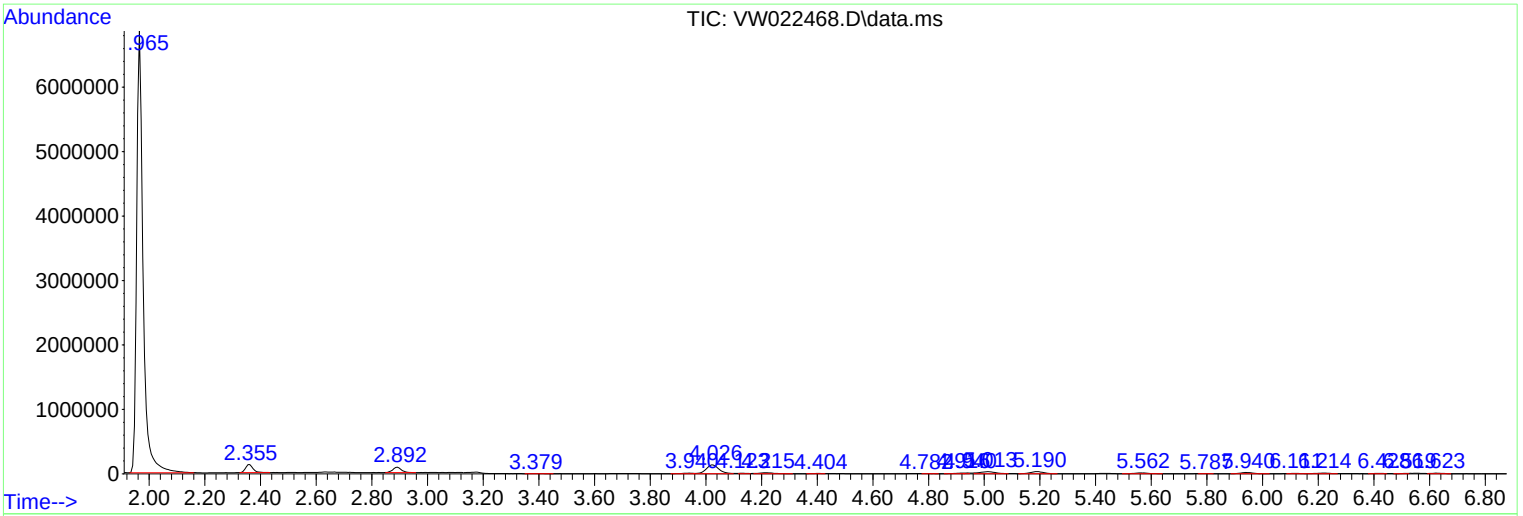
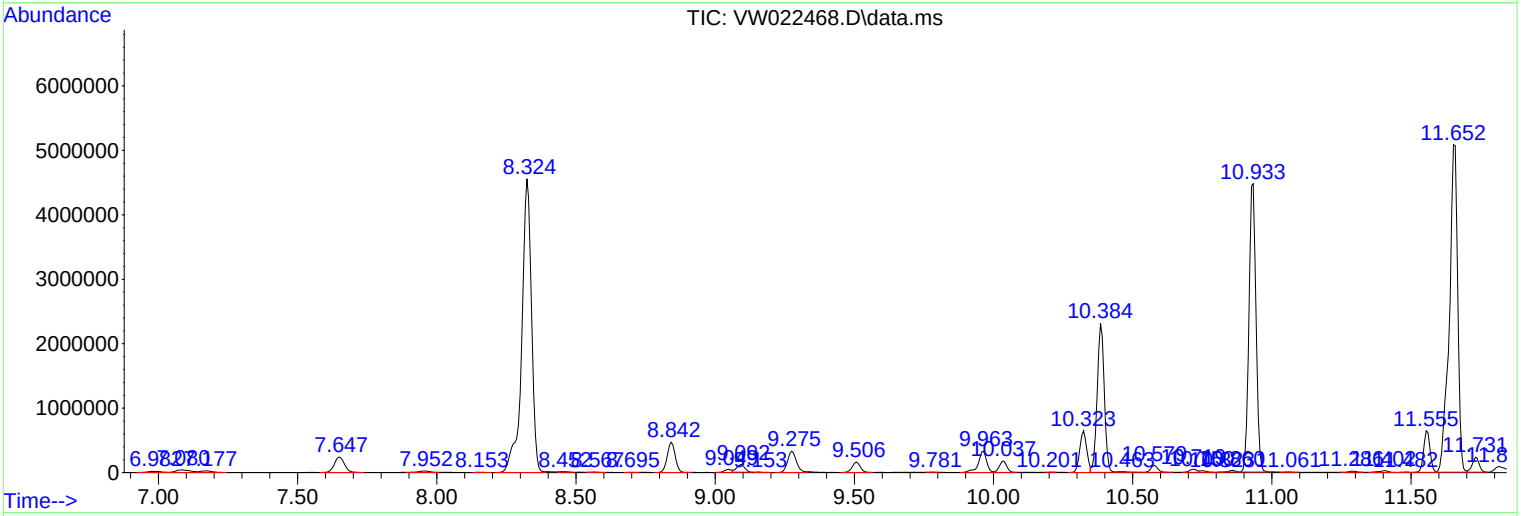
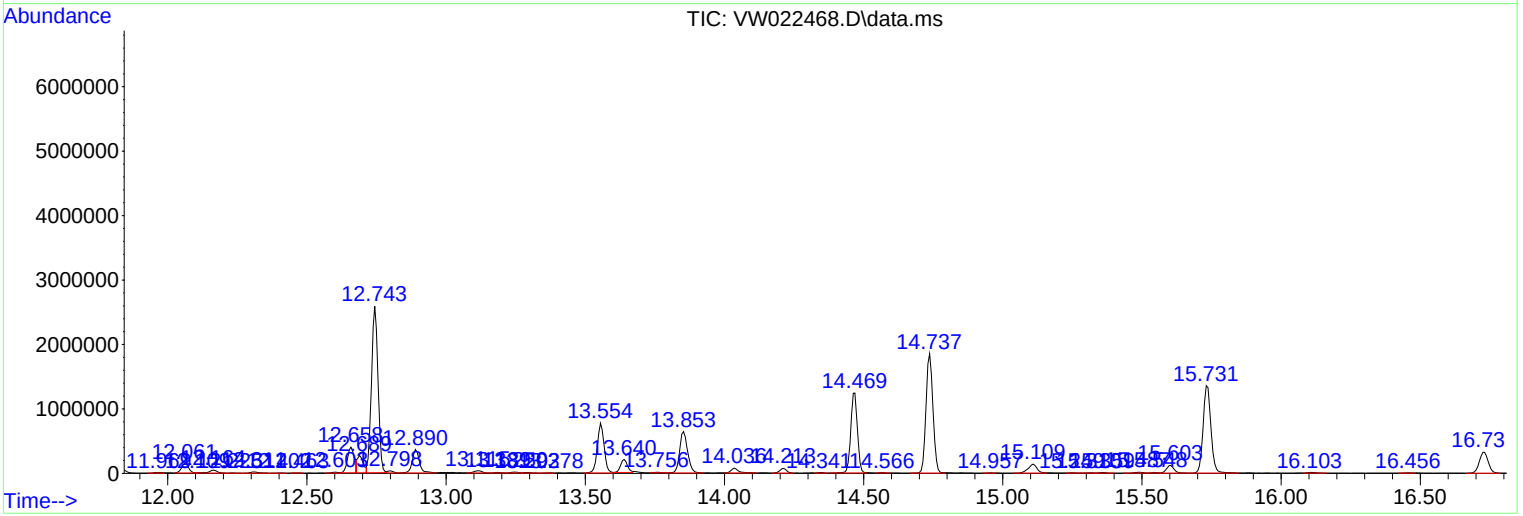
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

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







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Instrument :
MSVOA_W
ClientSampleId :
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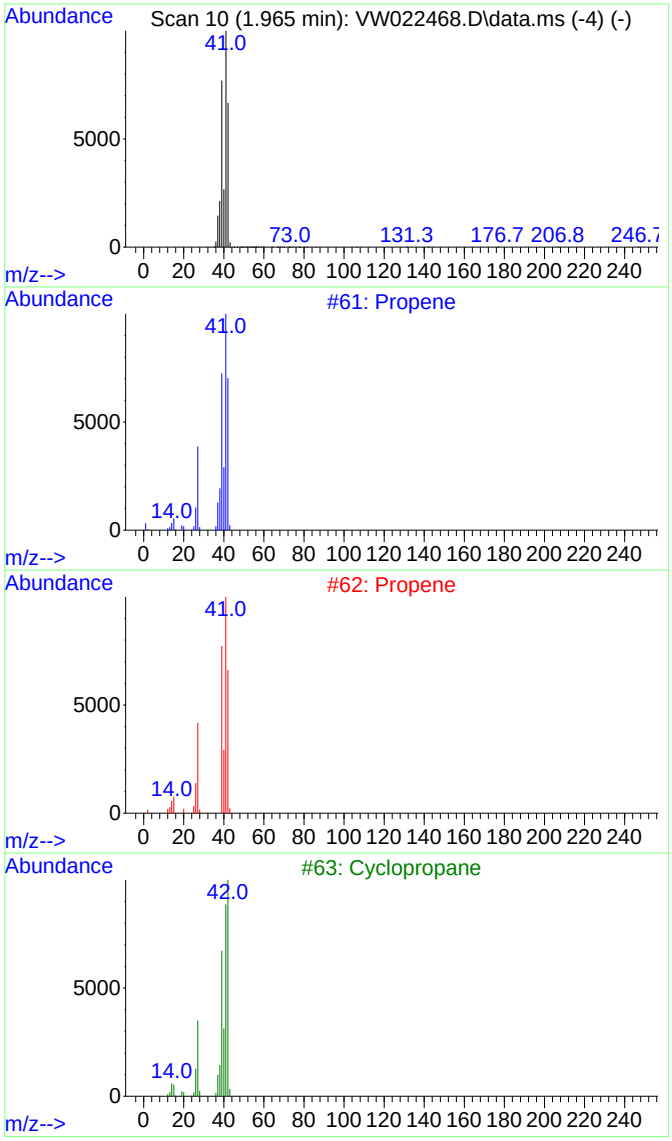
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

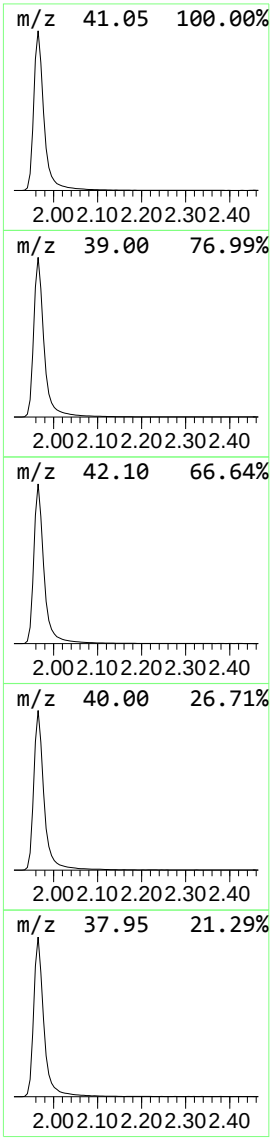
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.965	295.54 ug/L	11042600	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Propene	42	C3H6	000115-07-1	64
3	Cyclopropane	42	C3H6	000075-19-4	64
4	Cyclopropane	42	C3H6	000075-19-4	14
5	Cyclopropene	40	C3H4	002781-85-3	10





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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP4

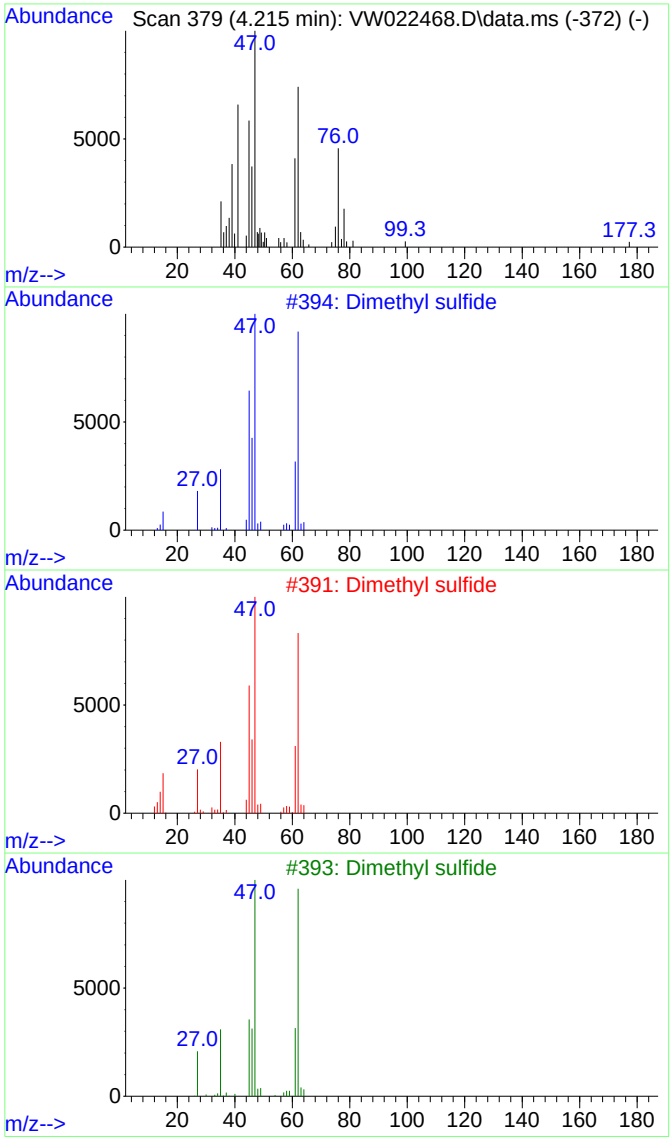
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

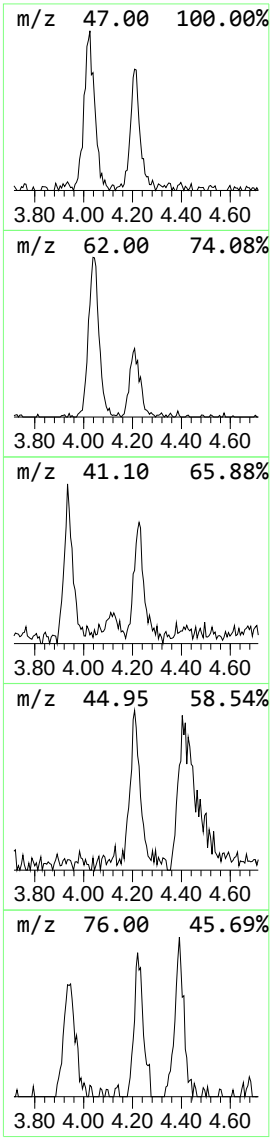
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Dimethyl sulfide Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.215	1.37 ug/L	51019	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl sulfide	62	C2H6S	000075-18-3	81
2	Dimethyl sulfide	62	C2H6S	000075-18-3	72
3	Dimethyl sulfide	62	C2H6S	000075-18-3	72
4	Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	72
5	Dimethyl sulfide	62	C2H6S	000075-18-3	64





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MSVOA_W
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ETNP4

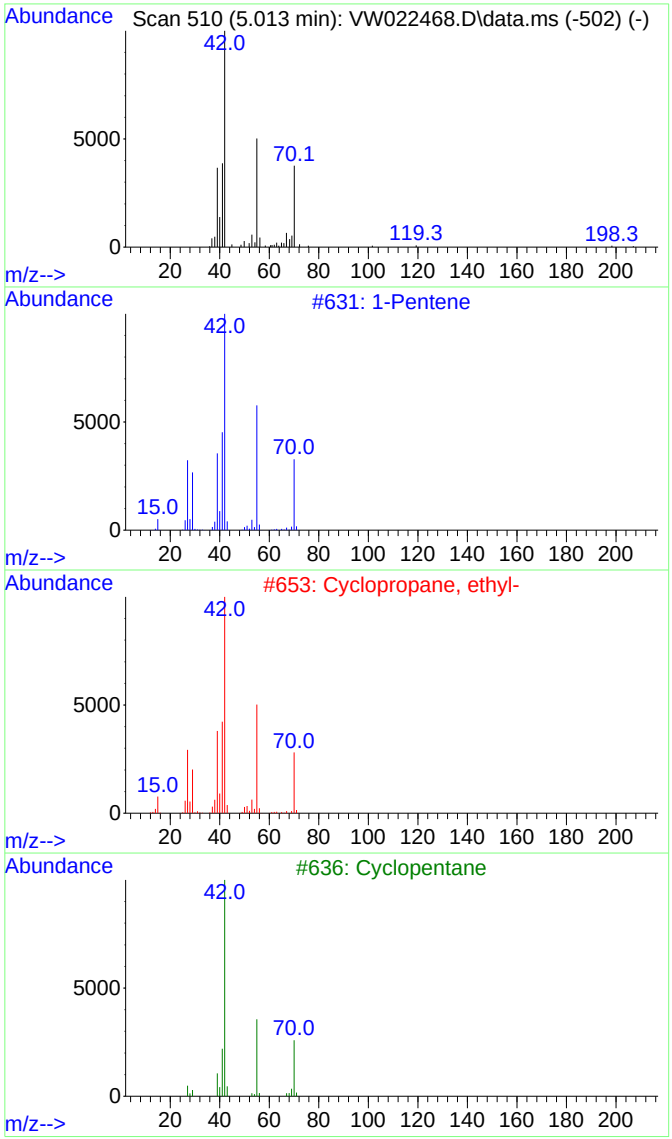
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

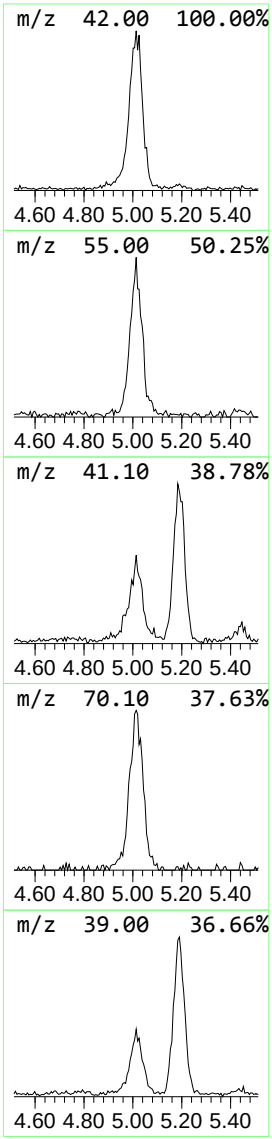
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.013	3.21 ug/L	120040	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	80
2	Cyclopropane, ethyl-	70	C5H10	001191-96-4	64
3	Cyclopentane	70	C5H10	000287-92-3	64
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	64
5	1-Pentene	70	C5H10	000109-67-1	59





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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP4

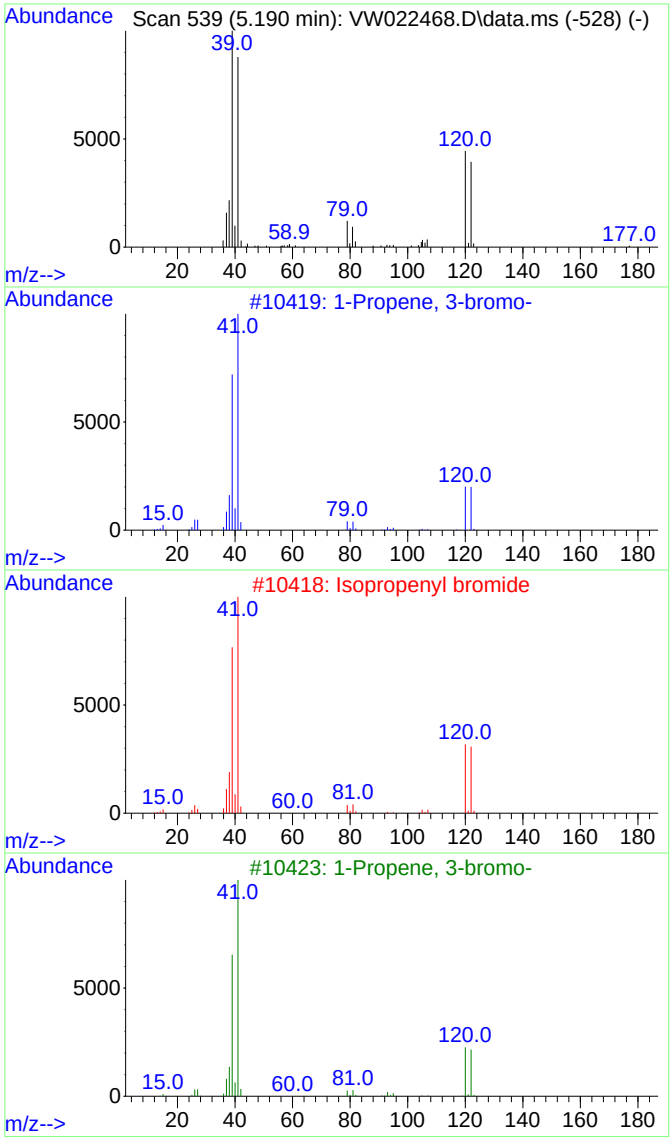
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

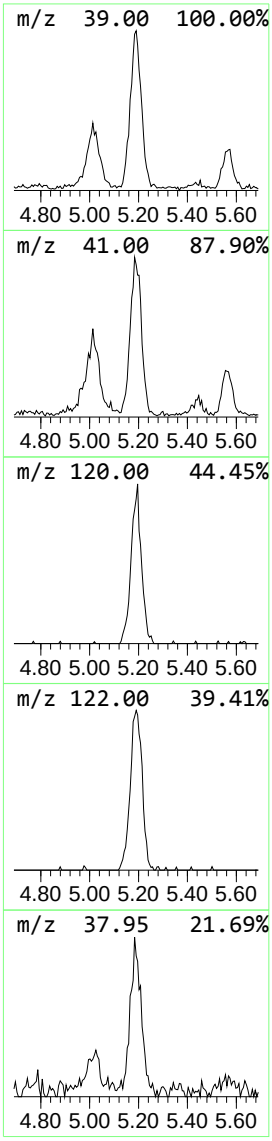
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1-Propene, 3-bromo- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.190	2.84 ug/L	106029	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 3-bromo-	120	C3H5Br	000106-95-6	91
2	Isopropenyl bromide	120	C3H5Br	000557-93-7	91
3	1-Propene, 3-bromo-	120	C3H5Br	000106-95-6	90
4	1-Propene, 1-bromo-	120	C3H5Br	000590-14-7	78
5	1-Methoxy-1-buten-3-yne	82	C5H6O	002798-73-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022468.D
Acq On : 08 Apr 2022 16:55
Operator : SY/VA
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Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP4

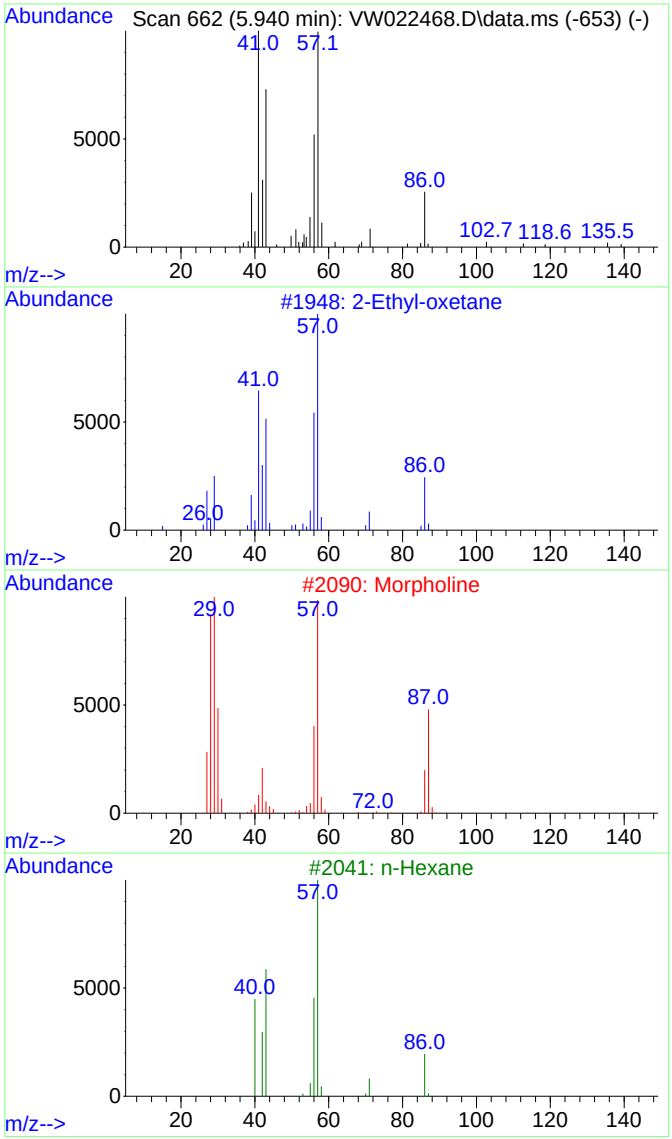
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

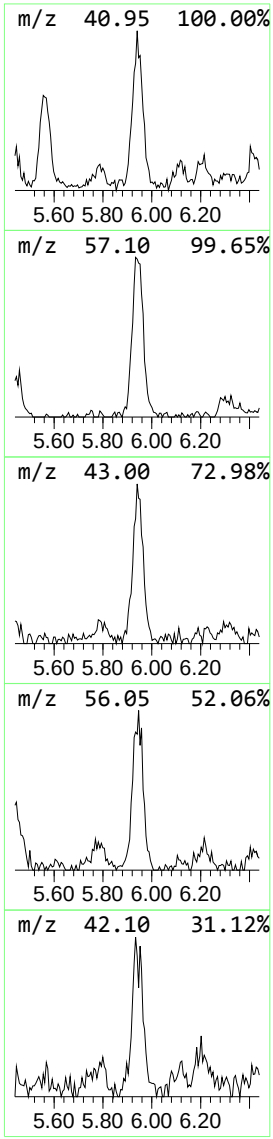
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 2-Ethyl-oxetane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.940	1.64 ug/L	61129	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	80
2	Morpholine	87	C4H9NO	000110-91-8	59
3	n-Hexane	86	C6H14	000110-54-3	59
4	n-Hexane	86	C6H14	000110-54-3	53
5	n-Hexane	86	C6H14	000110-54-3	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022468.D
Acq On : 08 Apr 2022 16:55
Operator : SY/VA
Sample : N2293-16
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP4

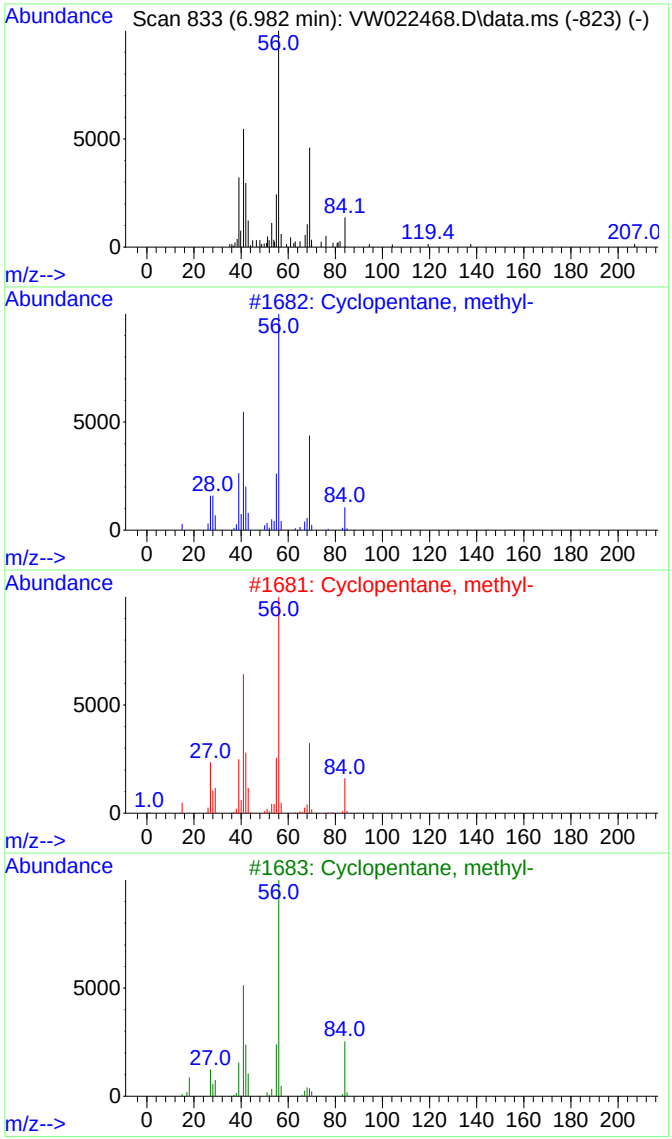
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

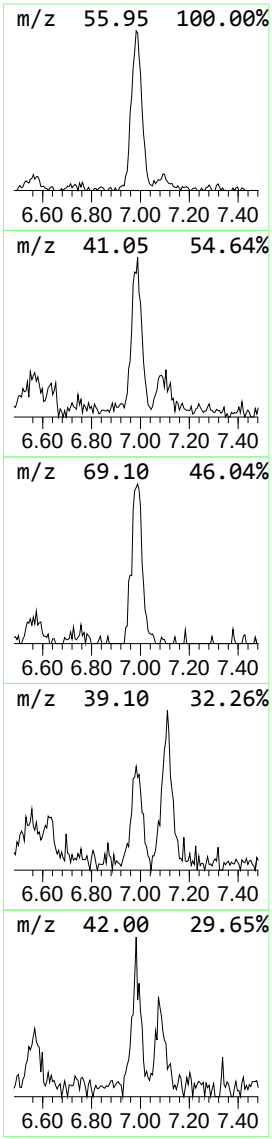
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic6.982 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.982	1.48 ug/L	55354	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	74
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	64
4	Cyclohexane	84	C6H12	000110-82-7	64
5	Cyclohexane	84	C6H12	000110-82-7	64





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Data File : VW022468.D
Acq On : 08 Apr 2022 16:55
Operator : SY/VA
Sample : N2293-16
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP4

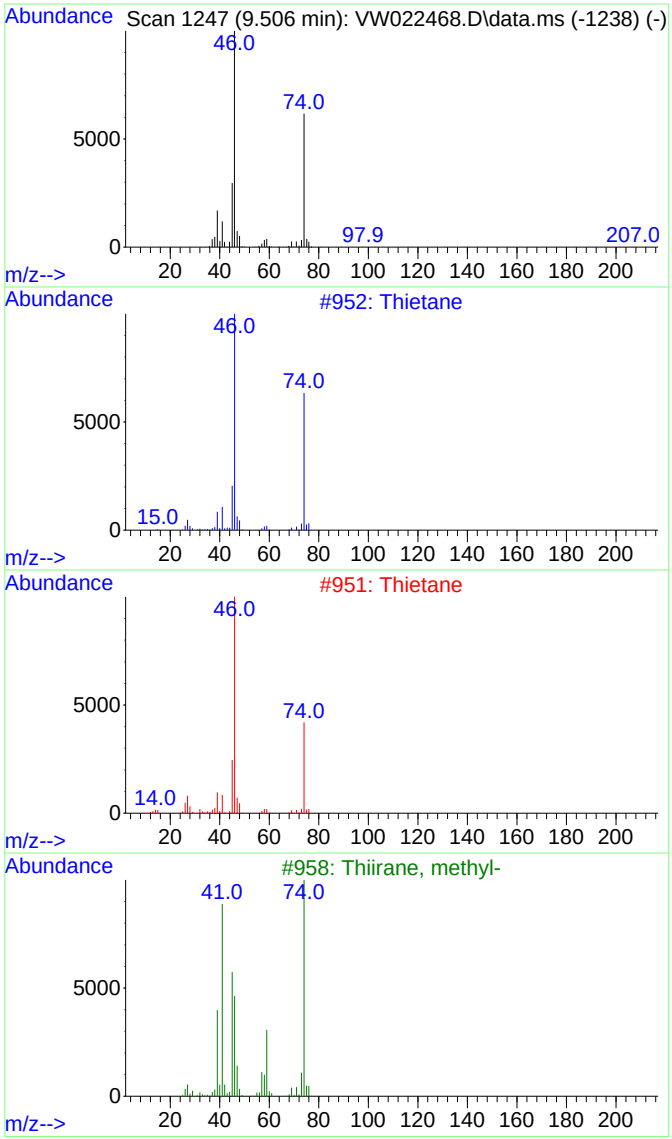
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

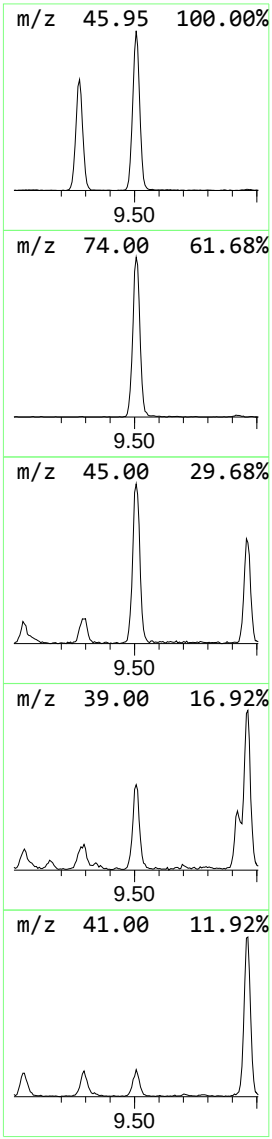
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Thietane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.506	8.56 ug/L	319740	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thietane	74	C3H6S	000287-27-4	91
2	Thietane	74	C3H6S	000287-27-4	91
3	Thiirane, methyl-	74	C3H6S	001072-43-1	37
4	Allyl mercaptan	74	C3H6S	000870-23-5	17
5	Thiirane, methyl-	74	C3H6S	001072-43-1	17





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022468.D
Acq On : 08 Apr 2022 16:55
Operator : SY/VA
Sample : N2293-16
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP4

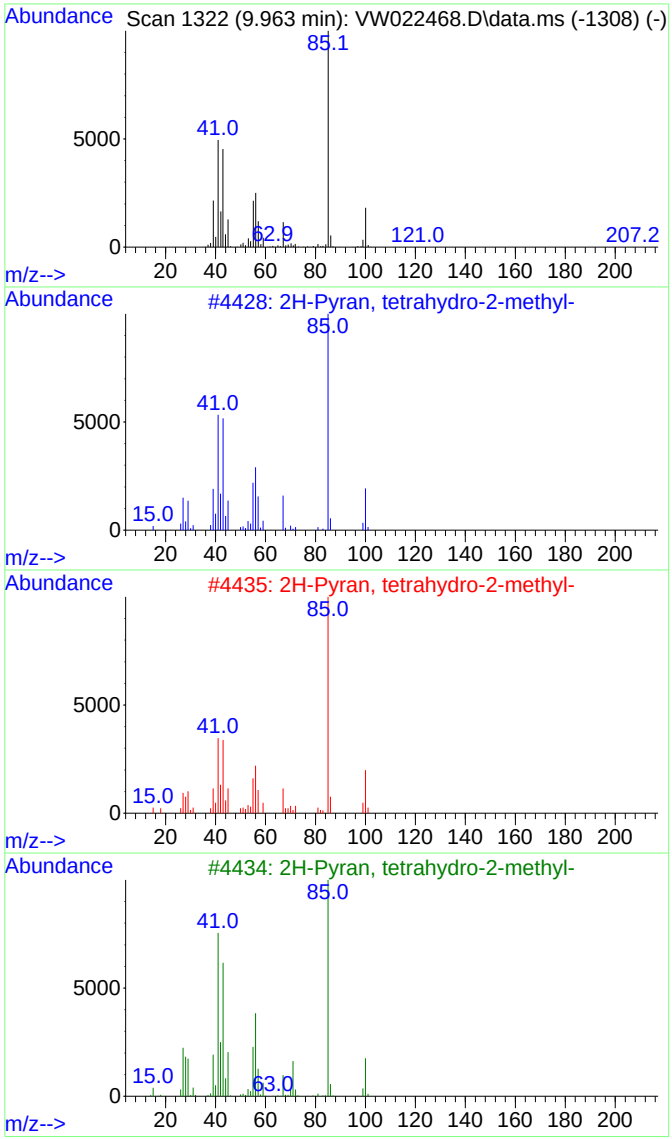
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

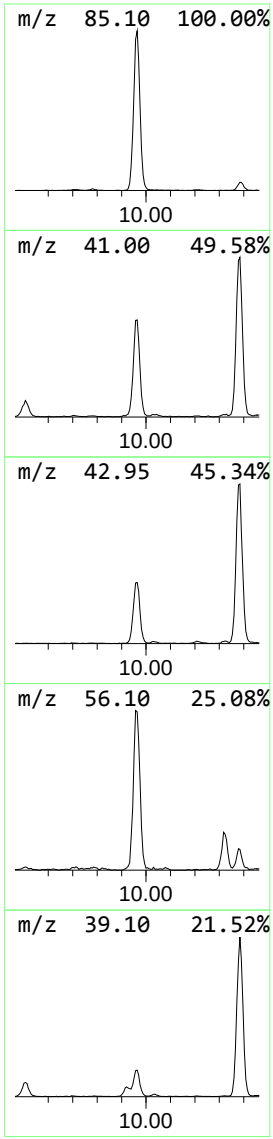
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 2H-Pyran, tetrahydro-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.963	18.29 ug/L	683400	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	91
2	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	91
3	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	91
4	Oxetane, 2-ethyl-3-methyl-	100	C6H12O	053778-62-4	72
5	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022468.D
Acq On : 08 Apr 2022 16:55
Operator : SY/VA
Sample : N2293-16
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP4

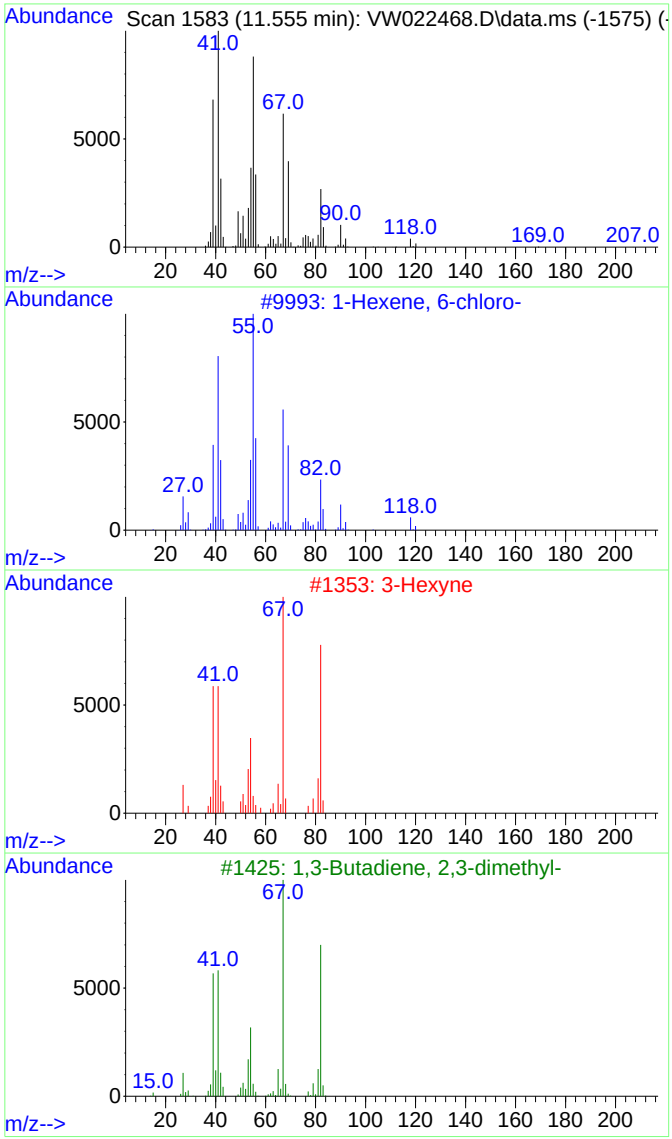
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

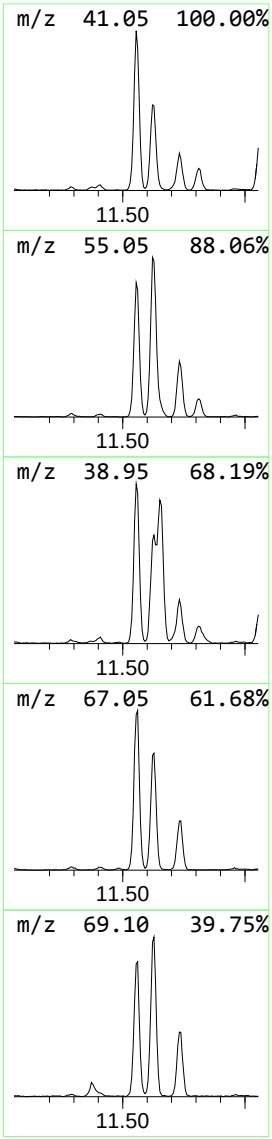
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1-Hexene, 6-chloro- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.555	2.40 ug/L	1024900	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 6-chloro-	118	C6H11Cl	000928-89-2	58
2	3-Hexyne	82	C6H10	000928-49-4	58
3	1,3-Butadiene, 2,3-dimethyl-	82	C6H10	000513-81-5	52
4	Cyclopropane, (1-methylethylidene)-	82	C6H10	004741-86-0	46
5	Ethylidenecyclobutane	82	C6H10	001528-21-8	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022468.D
Acq On : 08 Apr 2022 16:55
Operator : SY/VA
Sample : N2293-16
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

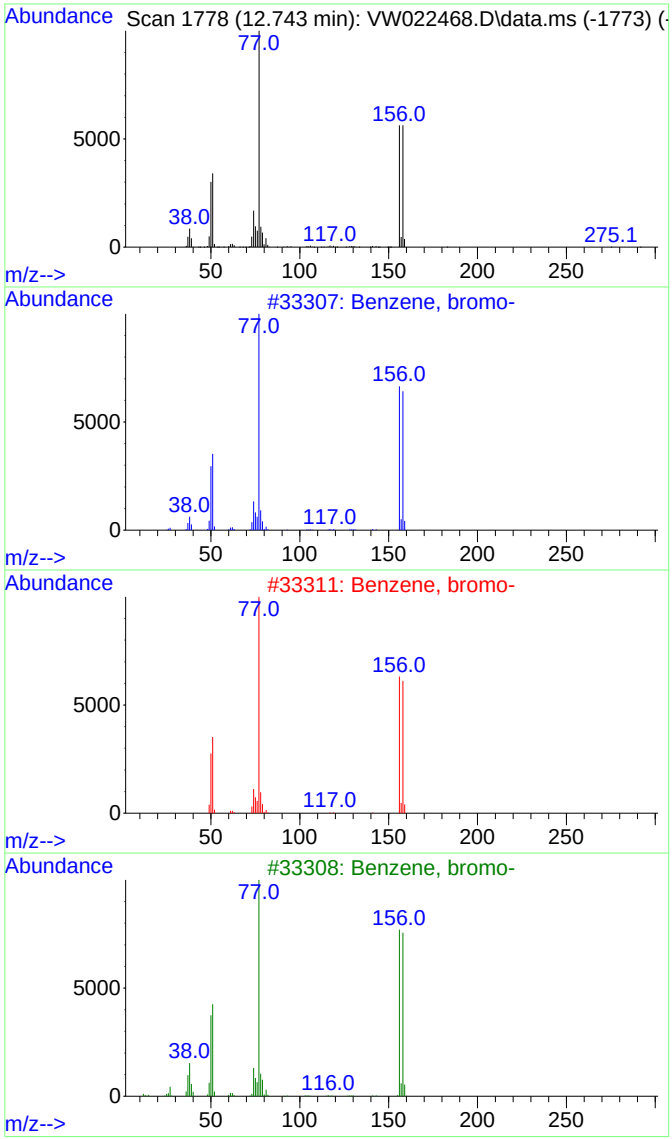
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

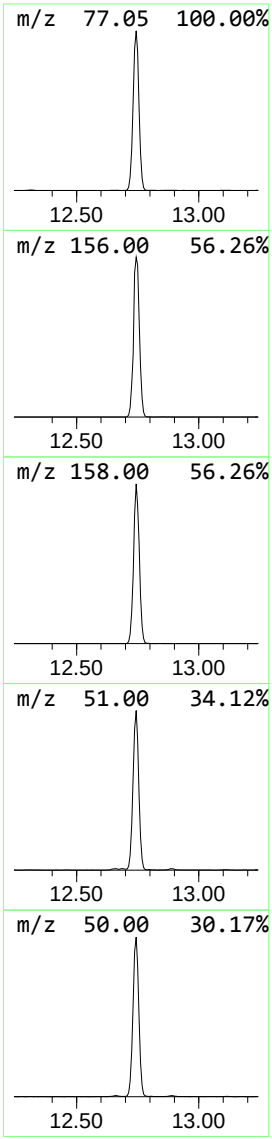
****

Peak Number 11 Benzene, bromo- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.743	81.68 ug/L	4256620	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, bromo-	156	C6H5Br	000108-86-1	96
2	Benzene, bromo-	156	C6H5Br	000108-86-1	96
3	Benzene, bromo-	156	C6H5Br	000108-86-1	95
4	Benzene, bromo-	156	C6H5Br	000108-86-1	94
5	Benzene, bromo-	156	C6H5Br	000108-86-1	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022468.D
Acq On : 08 Apr 2022 16:55
Operator : SY/VA
Sample : N2293-16
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP4

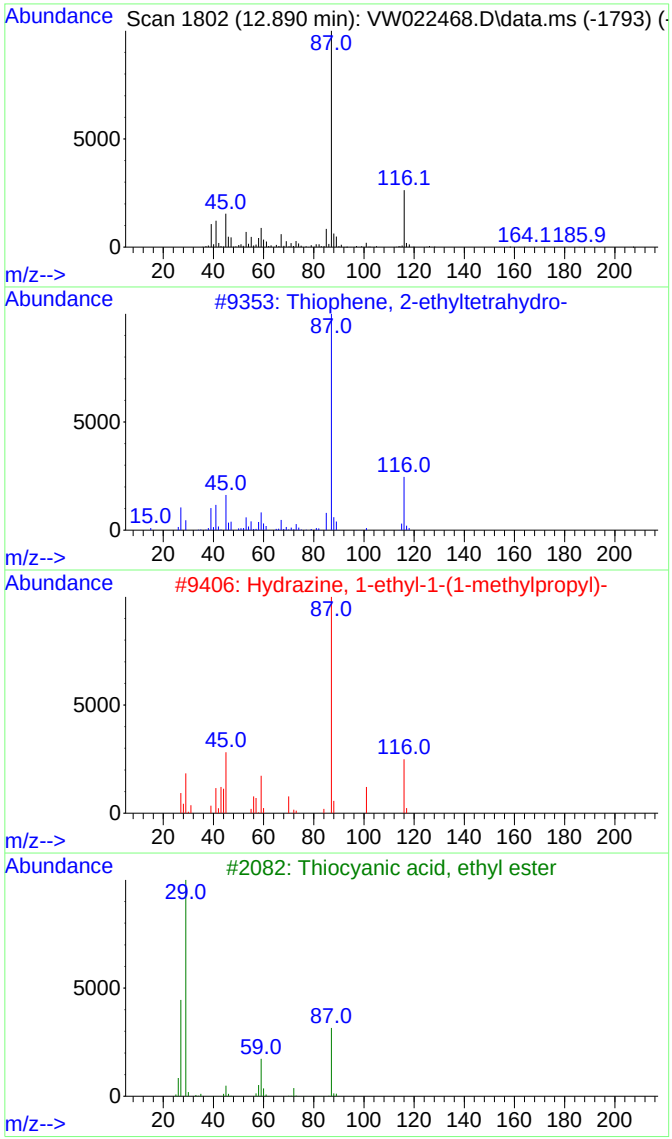
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

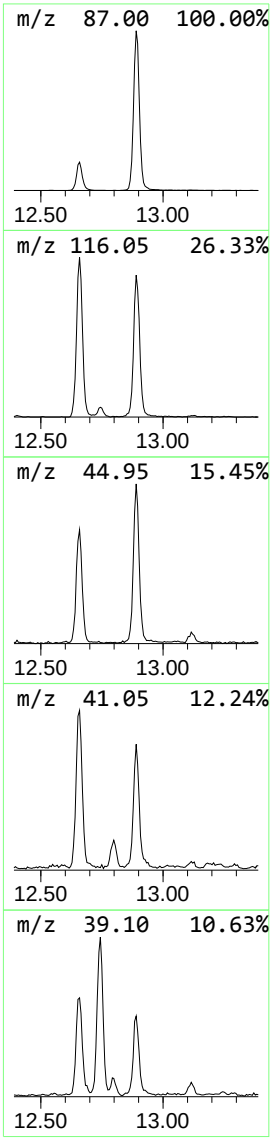
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Thiophene, 2-ethyltetrahydro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.890	12.29 ug/L	640395	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-ethyltetrahydro-	116	C6H12S	001551-32-2	95
2	Hydrazine, 1-ethyl-1-(1-methylpr...	116	C6H16N2	020325-97-7	64
3	Thiocyanic acid, ethyl ester	87	C3H5NS	000542-90-5	58
4	Hydrazine, 1,1-dipropyl-	116	C6H16N2	004986-50-9	50
5	1,3-Dioxane, 2-pentadecyl-	298	C19H38O2	017352-27-1	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022468.D
Acq On : 08 Apr 2022 16:55
Operator : SY/VA
Sample : N2293-16
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP4

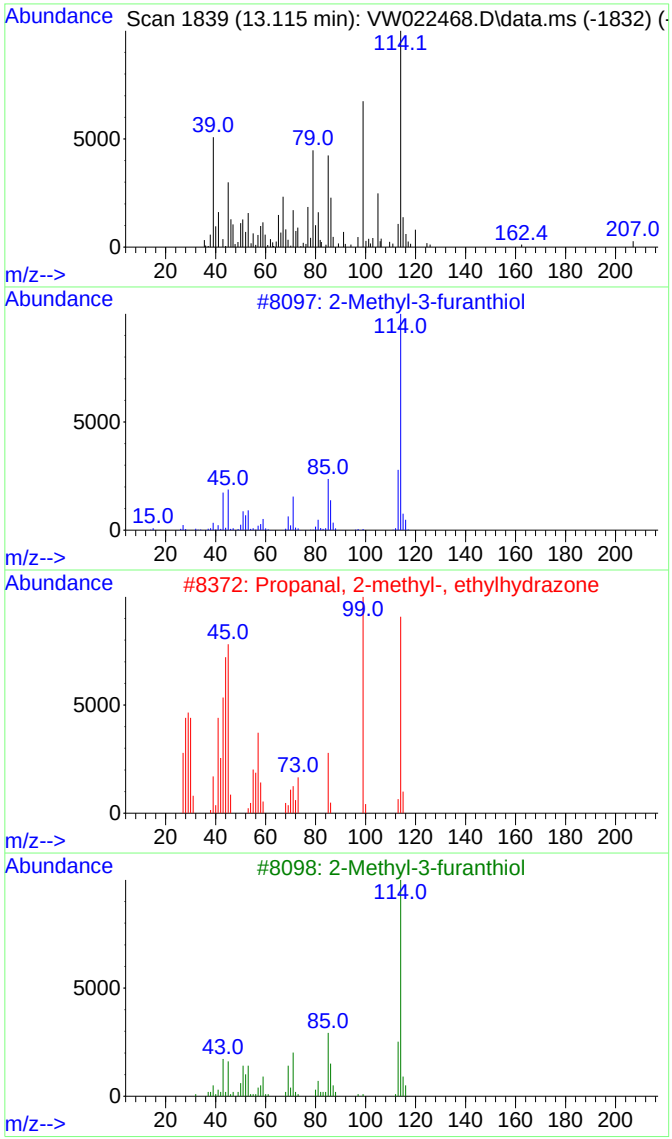
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

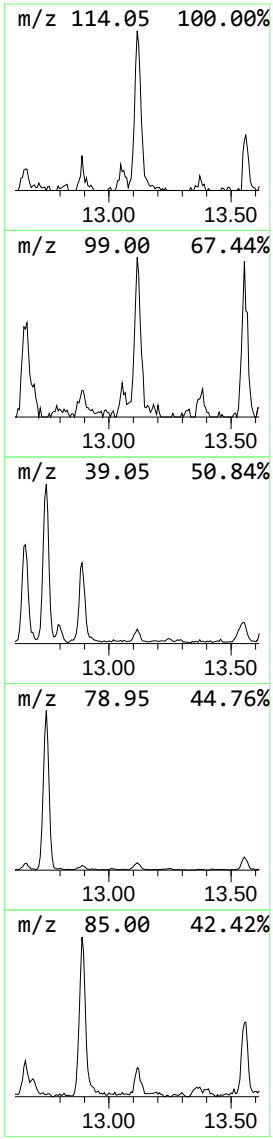
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 unknown-01 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.115	1.31 ug/L	68481	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-3-furanthiol	114	C5H6OS	028588-74-1	43
2	Propanal, 2-methyl-, ethylhydrazone	114	C6H14N2	020607-77-6	38
3	2-Methyl-3-furanthiol	114	C5H6OS	028588-74-1	38
4	Butanal, ethylhydrazone	114	C6H14N2	051576-30-8	38
5	1-Propene, 1,1'-thiobis-	114	C6H10S	033922-80-4	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022468.D
Acq On : 08 Apr 2022 16:55
Operator : SY/VA
Sample : N2293-16
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

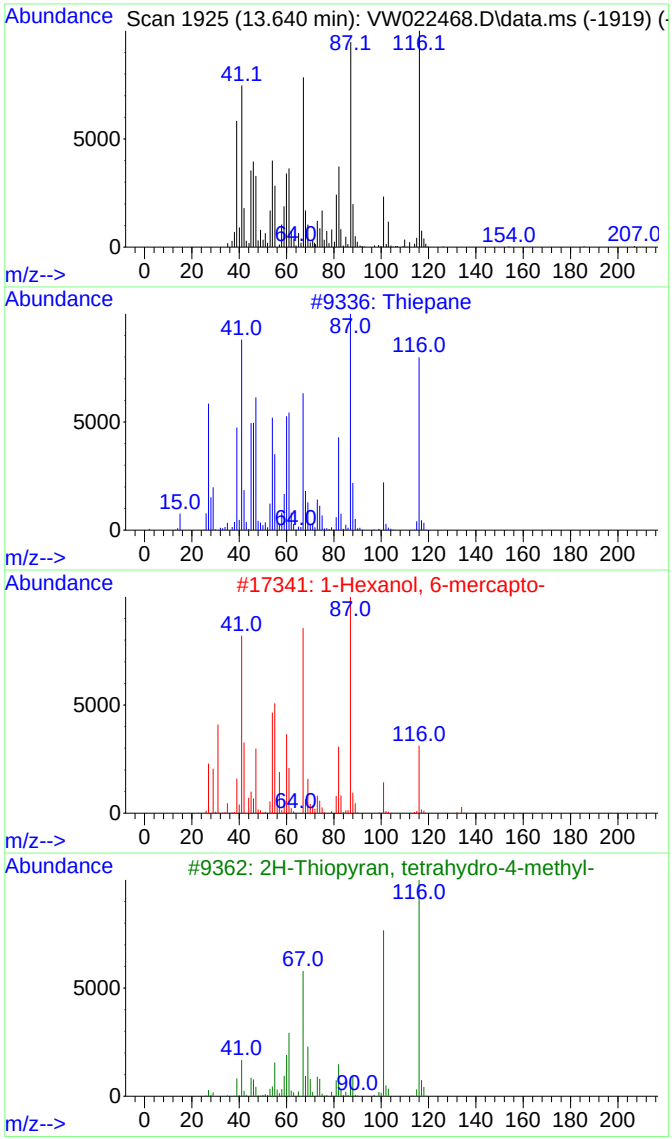
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

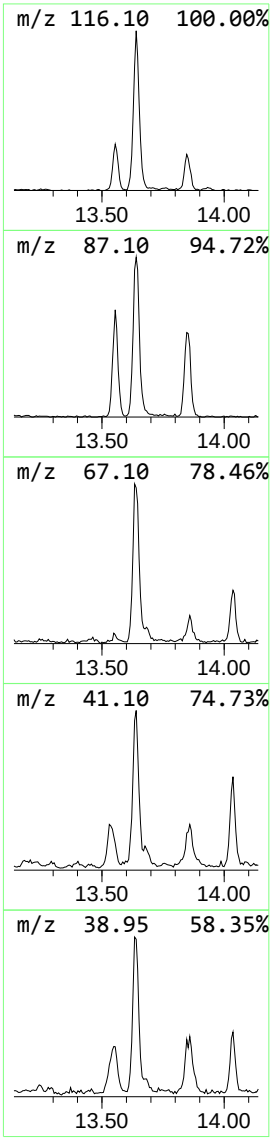
****

Peak Number 14 Thiepane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.640	6.62 ug/L	345077	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiepane	116	C6H12S	004753-80-4	87
2	1-Hexanol, 6-mercapto-	134	C6H14OS	001633-78-9	53
3	2H-Thiopyran, tetrahydro-4-methyl-	116	C6H12S	005161-17-1	38
4	Borinic acid, diethylthio-, meth...	116	C5H13BS	092276-84-1	27
5	4H-Thiopyran-4-one, tetrahydro-	116	C5H8OS	001072-72-6	22





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Data File : VW022468.D
Acq On : 08 Apr 2022 16:55
Operator : SY/VA
Sample : N2293-16
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP4

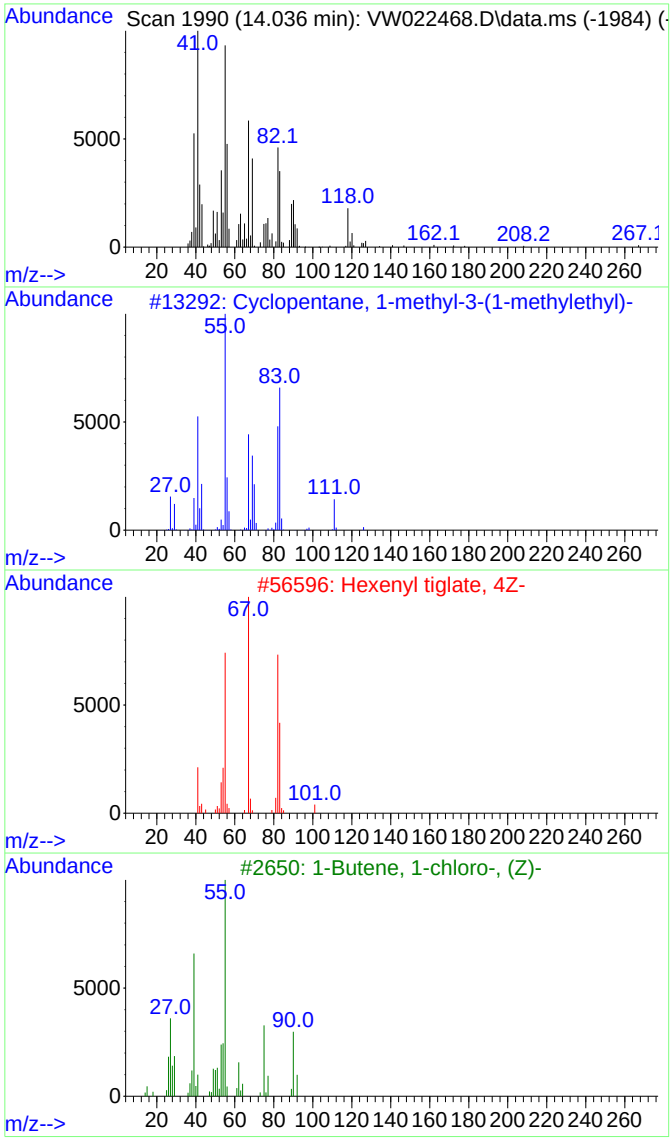
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

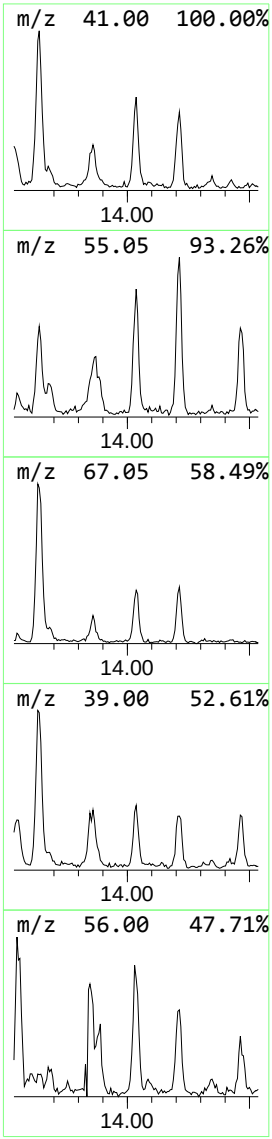
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Cyclic14.036 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.036	2.49 ug/L	129730	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	27
2	Hexenyl tiglate, 4Z-	182	C11H18O2	1000383-63-6	27
3	1-Butene, 1-chloro-, (Z)-	90	C4H7Cl	007611-86-1	25
4	1-Hexene, 3-chloro-	118	C6H11Cl	053101-38-5	22
5	Cyclopentane, 1,2-dichloro-, cis-	138	C5H8Cl2	031025-65-7	22





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Data File : VW022468.D
Acq On : 08 Apr 2022 16:55
Operator : SY/VA
Sample : N2293-16
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP4

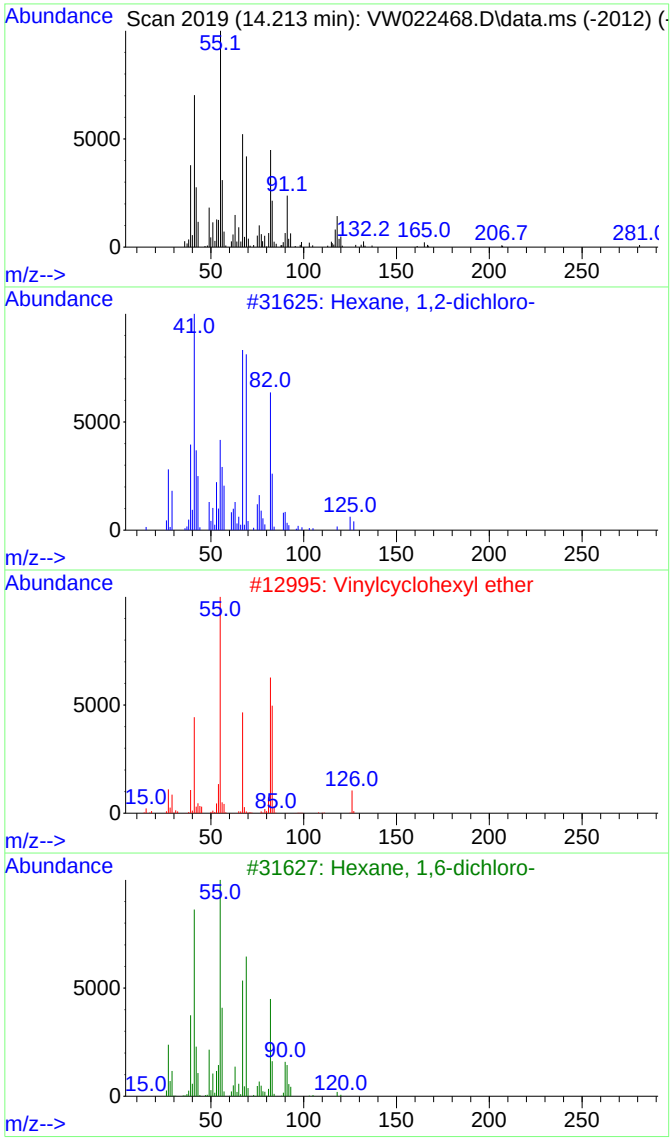
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

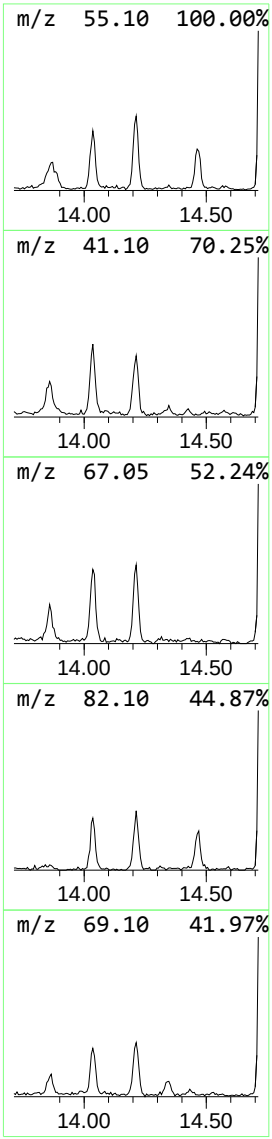
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Hexane, 1,2-dichloro- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.213	2.28 ug/L	119025	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1,2-dichloro-	154	C6H12Cl2	002162-92-7	53
2	Vinylcyclohexyl ether	126	C8H14O	002182-55-0	38
3	Hexane, 1,6-dichloro-	154	C6H12Cl2	002163-00-0	38
4	2-Hexyne	82	C6H10	000764-35-2	38
5	5-Bromo-1-hexene	162	C6H11Br	004558-27-4	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022468.D
Acq On : 08 Apr 2022 16:55
Operator : SY/VA
Sample : N2293-16
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP4

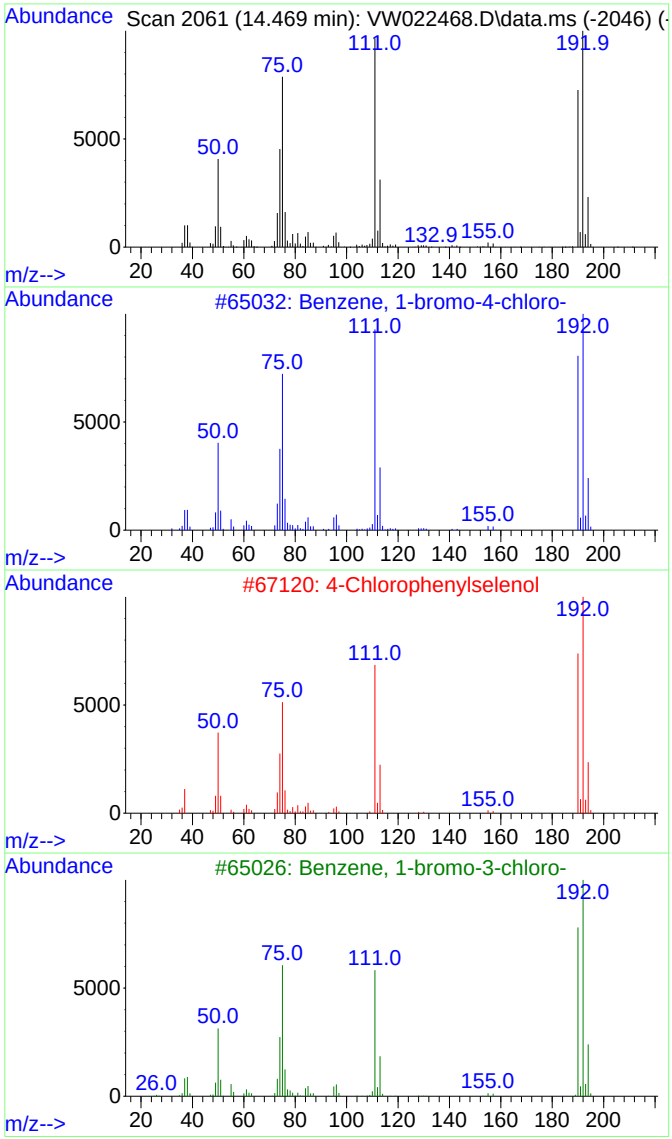
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

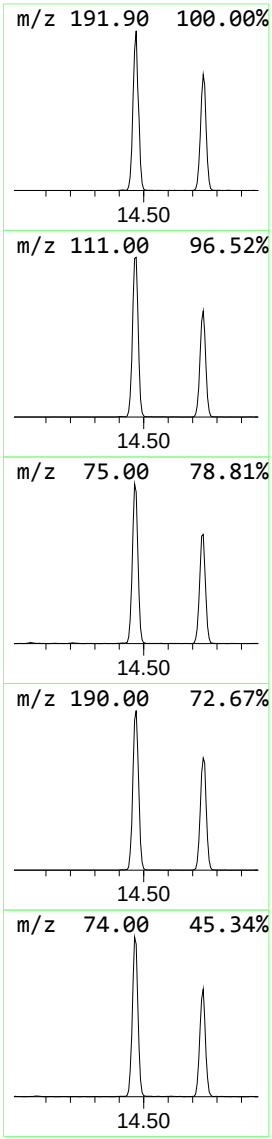
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 1-bromo-4-chloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.469	39.50 ug/L	2058500	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	99
2	4-Chlorophenylselenol	192	C6H5ClSe	016645-10-6	97
3	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	96
4	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	96
5	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	95





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Data File : VW022468.D
Acq On : 08 Apr 2022 16:55
Operator : SY/VA
Sample : N2293-16
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP4

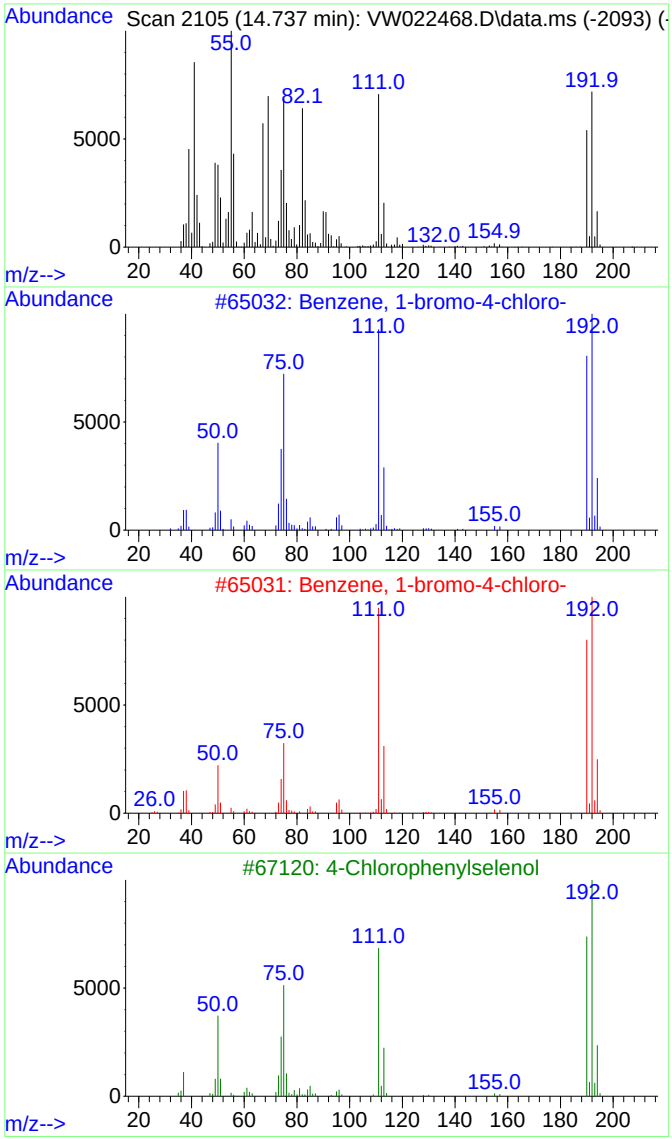
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

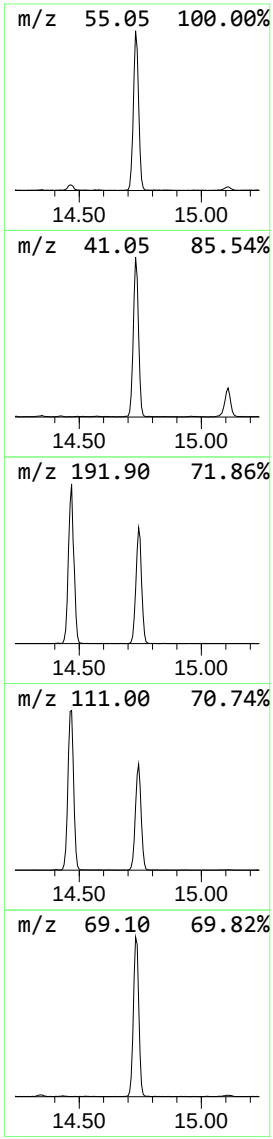
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 4-Chlorophenylselenol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.737	61.40 ug/L	3199650	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	98
2	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	92
3	4-Chlorophenylselenol	192	C6H5ClSe	016645-10-6	91
4	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	91
5	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022468.D
Acq On : 08 Apr 2022 16:55
Operator : SY/VA
Sample : N2293-16
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

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

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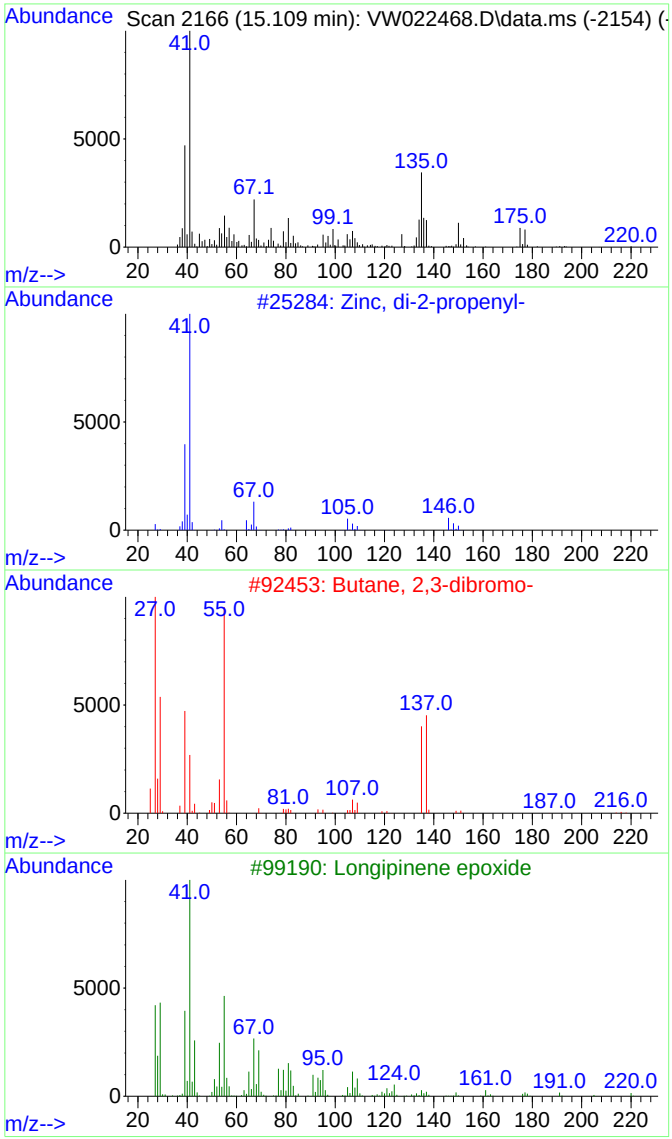
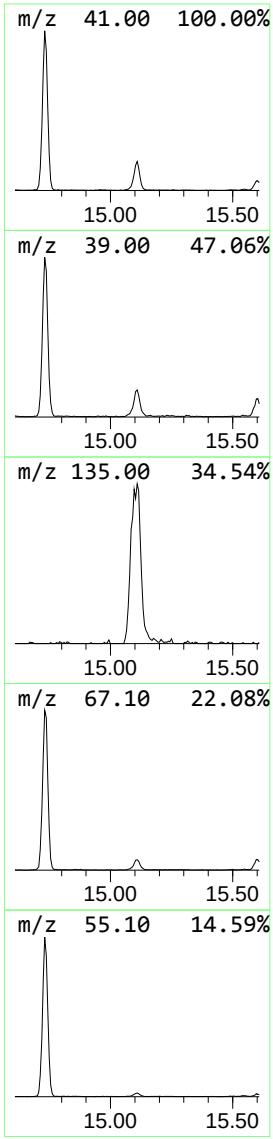
Peak Number 19 unknown-02 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.109	5.93 ug/L	309053	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Zinc, di-2-propenyl-	146	C6H10Zn	001802-55-7	25
2	Butane, 2,3-dibromo-	214	C4H8Br2	005408-86-6	17
3	Longipinene epoxide	220	C15H24O	142792-93-6	17
4	trans-2-Ethyl-2-hexen-1-ol	128	C8H16O	1000139-52-3	17
5	Allyl Isothiocyanate	99	C4H5NS	000057-06-7	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022468.D
Acq On : 08 Apr 2022 16:55
Operator : SY/VA
Sample : N2293-16
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

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

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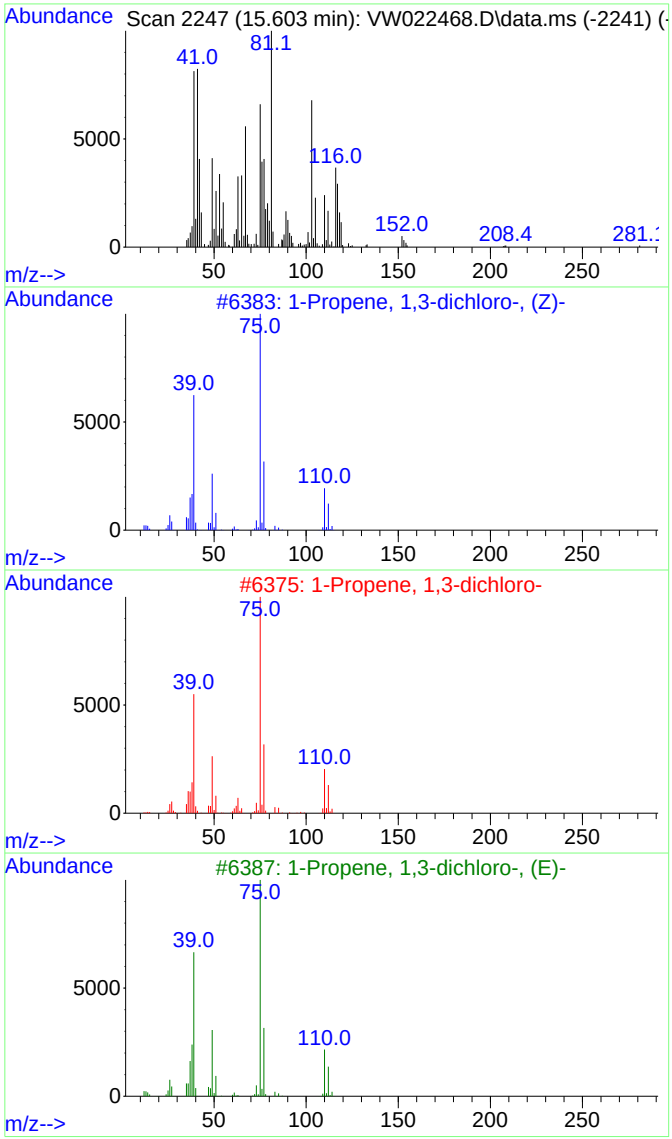
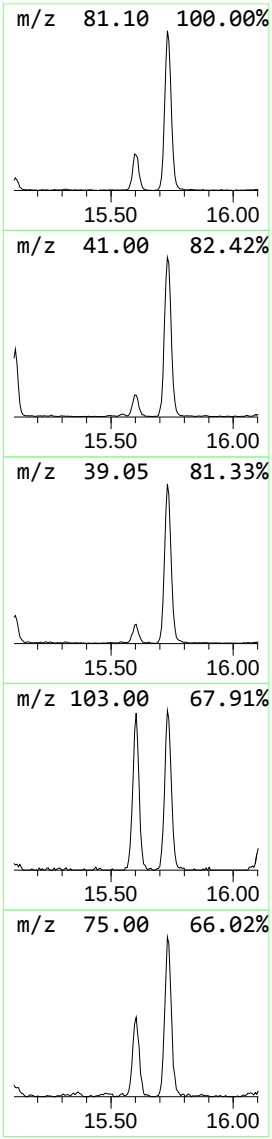
Peak Number 20 1-Propene, 1,3-dichloro-, (Z)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.603	4.32 ug/L	225121	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 1,3-dichloro-, (Z)-	110	C3H4Cl2	010061-01-5	62
2	1-Propene, 1,3-dichloro-	110	C3H4Cl2	000542-75-6	58
3	1-Propene, 1,3-dichloro-, (E)-	110	C3H4Cl2	010061-02-6	53
4	1-Propene, 1,3-dichloro-, (Z)-	110	C3H4Cl2	010061-01-5	53
5	1-Propene, 1,3-dichloro-	110	C3H4Cl2	000542-75-6	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022468.D
Acq On : 08 Apr 2022 16:55
Operator : SY/VA
Sample : N2293-16
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

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

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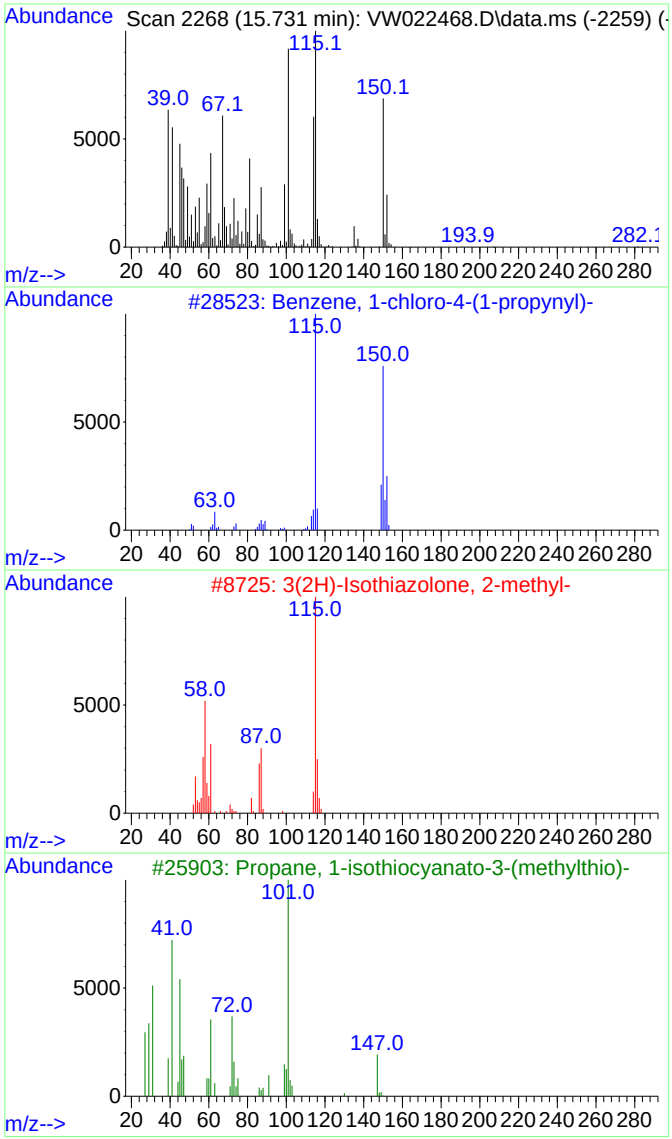
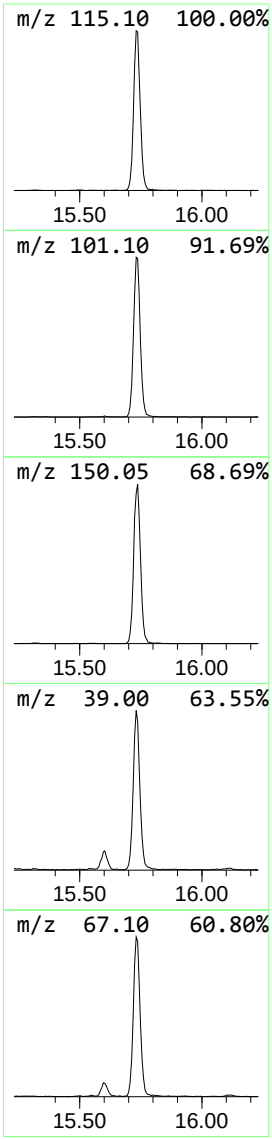
Peak Number 21 unknown-03 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.731	50.47 ug/L	2629920	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-4-(1-propynyl)-	150	C9H7Cl	002809-65-6	38
2	3(2H)-Isothiazolone, 2-methyl-	115	C4H5NOS	002682-20-4	27
3	Propane, 1-isothiocyanato-3-(met...	147	C5H9NS2	000505-79-3	22
4	4-Methoxycarbonylbutyl-3-methoxy...	232	C11H20O5	017361-53-4	16
5	Silane, ethenylethoxydimethyl-	130	C6H14OSi	005356-83-2	14





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022468.D
Acq On : 08 Apr 2022 16:55
Operator : SY/VA
Sample : N2293-16
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0

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

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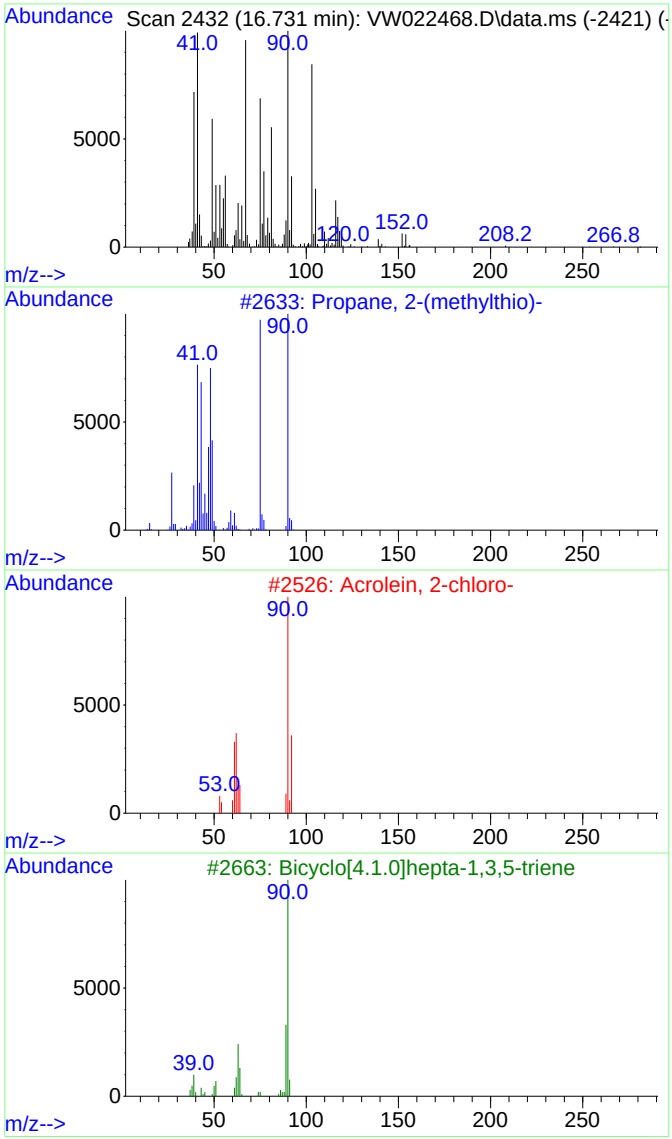
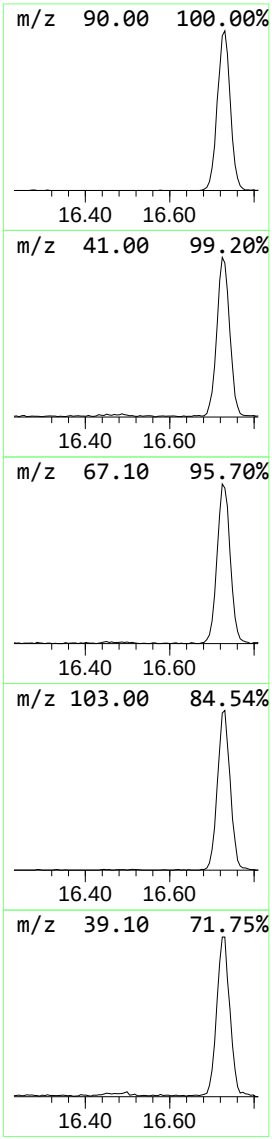
Peak Number 22 unknown-04 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.731	13.86 ug/L	722056	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2-(methylthio)-	90	C4H10S	001551-21-9	43
2	Acrolein, 2-chloro-	90	C3H3ClO	000683-51-2	43
3	Bicyclo[4.1.0]hepta-1,3,5-triene	90	C7H6	004646-69-9	27
4	Thiourea, methyl-	90	C2H6N2S	000598-52-7	27
5	2,2-Bis(chloromethyl)-1-propanol	156	C5H10Cl2O	005355-54-4	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040822\
Data File : VW022468.D
Acq On : 08 Apr 2022 16:55
Operator : SY/VA
Sample : N2293-16
Misc : 6.91g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETNP4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.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...	1.965	295.5	ug/L	11042600	1	8.842	934102	25.0
Dimethyl sulfide	4.215	1.4	ug/L	51019	1	8.842	934102	25.0
(DEL) Alkane: S...	5.013	3.2	ug/L	120040	1	8.842	934102	25.0
1-Propene, 3-br...	5.190	2.8	ug/L	106029	1	8.842	934102	25.0
2-Ethyl-oxetane	5.940	1.6	ug/L	61129	1	8.842	934102	25.0
(DEL) Alkane: C...	6.982	1.5	ug/L	55354	1	8.842	934102	25.0
Thietane	9.506	8.6	ug/L	319740	1	8.842	934102	25.0
2H-Pyran, tetra...	9.963	18.3	ug/L	683400	1	8.842	934102	25.0
1-Hexene, 6-chl...	11.555	2.4	ug/L	1024900	2	11.634	10695000	25.0
Benzene, bromo-	12.743	81.7	ug/L	4256620	3	13.554	1302760	25.0
Thiophene, 2-et...	12.890	12.3	ug/L	640395	3	13.554	1302760	25.0
unknown-01	13.115	1.3	ug/L	68481	3	13.554	1302760	25.0
Thiepane	13.640	6.6	ug/L	345077	3	13.554	1302760	25.0
(DEL) Alkane: C...	14.036	2.5	ug/L	129730	3	13.554	1302760	25.0
Hexane, 1,2-dic...	14.213	2.3	ug/L	119025	3	13.554	1302760	25.0
Benzene, 1-brom...	14.469	39.5	ug/L	2058500	3	13.554	1302760	25.0
4-Chlorophenyls...	14.737	61.4	ug/L	3199650	3	13.554	1302760	25.0
unknown-02	15.109	5.9	ug/L	309053	3	13.554	1302760	25.0
1-Propene, 1,3-...	15.603	4.3	ug/L	225121	3	13.554	1302760	25.0
unknown-03	15.731	50.5	ug/L	2629920	3	13.554	1302760	25.0
unknown-04	16.731	13.9	ug/L	722056	3	13.554	1302760	25.0