LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

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\SFAMWLM120921SMA.M
Title : SFAM01.0

Signal : TIC: VW021466.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.983	11	13	22	rVB2	2567	4456	0.25%	0.034%
2	2.349	65	73	81	rBV	36046	58555	3.34%	0.446%
3	2.495	91	97	106	rBB	6083	11425	0.65%	0.087%
4	2.812	142	149	155	rBV	8859	16302	0.93%	0.124%
5	2.885	155	161	169	rVB	18270	36801	2.10%	0.280%
6	3.105	194	197	201	rBV2	227	463	0.03%	0.004%
7	3.391	239	244	251	rVB2	264	532	0.03%	0.004%
8	4.013	335	346	358	rBV2	45500	122627	6.99%	0.933%
9	4.123	358	364	375	rVB	1950	5325	0.30%	0.041%
10	4.245	380	384	385	rBV2	282	354	0.02%	0.003%
11	4.257	385	386	391	rVB2	343	393	0.02%	0.003%
12	4.379	398	406	415	rVV	2024	5375	0.31%	0.041%
13	4.678	451	455	459	rVB2	188	378	0.02%	0.003%
14	4.909	485	493	505	rBB3	2782	8385	0.48%	0.064%
15	5.781	629	636	647	rVB4	1128	3199	0.18%	0.024%
16	5.940	658	662	666	rBV3	372	532	0.03%	0.004%
17	6.891	807	818	829	rBV6	2698	10156	0.58%	0.077%
18	7.080	839	849	856	rBV2	6854	19488	1.11%	0.148%
19	7.647	932	942	954	rBV	59212	142266	8.11%	1.083%
20	8.037	997	1006	1013	rVB2	5141	13001	0.74%	0.099%
21	8.275	1033	1045	1059	rBV2	115029	334709	19.09%	2.548%
22	8.415	1062	1068	1071	rVV2	4626	9887	0.56%	0.075%
23	8.476	1072	1078	1087	rVB	23030	54498	3.11%	0.415%
24	8.695	1110	1114	1118	rBB	334	479	0.03%	0.004%
25	8.842	1130	1138	1147	rVV	137530	274383	15.65%	2.088%
26	9.073	1169	1176	1182	rBV2	2678	5803	0.33%	0.044%
27	9.147	1182	1188	1194	rVB2	2455	4725	0.27%	0.036%
28	9.275	1201	1209	1214	rBV	74404	157695	8.99%	1.200%
29	9.329	1215	1218	1222	rVV	17895	29295	1.67%	0.223%
30	9.384	1222	1227	1235	rVB	20072	40266	2.30%	0.306%
31	9.464	1235	1240	1247	rVB4	2365	5113	0.29%	0.039%
32	9.573	1253	1258	1259	rBV2	4247	5824	0.33%	0.044%
33	9.604	1260	1263	1270	rVB	7791	14613	0.83%	0.111%
34	9.659	1270	1272	1277	rVB2	366	472	0.03%	0.004%
35	9.756	1280	1288	1296	rVB2	23538	47190	2.69%	0.359%
36	9.890	1301	1310	1316	rBV	34763	72613	4.14%	0.553%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

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\SFAMWLM120921SMA.M
Title : SFAM01.0

37	9.988	1322	1326	1328	rBV2	4154	6056	0.35%	0.046%
38	10.037	1328	1334	1339	rVV	38490	66333	3.78%	0.505%
39	10.128	1345	1349	1357	rVB	8093	15561	0.89%	0.118%
40	10.244	1357	1368	1374	rBV2	12880	28383	1.62%	0.216%
41	10.323	1374	1381	1396	rBV	179001	335703	19.14%	2.555%
42	10.445	1396	1401	1404	rBV2	6267	11070	0.63%	0.084%
43	10.488	1404	1408	1412	rVB3	6355	10004	0.57%	0.076%
44	10.579	1417	1423	1431	rBV2	31080	57643	3.29%	0.439%
45	10.665	1431	1437	1443	rBV	24404	40313	2.30%	0.307%
46	10.762	1444	1453	1458	rBV5	19216	49098	2.80%	0.374%
47	10.847	1463	1467	1472	rVB2	20161	33598	1.92%	0.256%
48	10.927	1472	1480	1486	rBV4	54906	138447	7.89%	1.054%
49	11.030	1494	1497	1501	rVB3	27153	35110	2.00%	0.267%
50	11.110	1506	1510	1513	rBV2	26278	42429	2.42%	0.323%
51	11.225	1520	1529	1534	rBV	83648	185437	10.57%	1.411%
52	11.274	1534	1537	1543	rVV3	43790	99104	5.65%	0.754%
53	11.335	1544	1547	1550	rVV2	27190	41901	2.39%	0.319%
54	11.372	1550	1553	1556	rVV3	23155	41812	2.38%	0.318%
55	11.433	1560	1563	1571	rVB	71080	139859	7.98%	1.065%
56	11.518	1571	1577	1584	rBV4	19349	39756	2.27%	0.303%
57	11.628	1588	1595	1602	rBV	201545	362418	20.67%	2.759%
58	11.762	1613	1617	1621	rVB	49838	69961	3.99%	0.533%
59	11.817	1621	1626	1629	rVV2	43488	69812	3.98%	0.531%
60	11.872	1629	1635	1639	rVV	141992	269738	15.38%	2.053%
61	11.914	1639	1642	1648	rVB2	90122	141963	8.10%	1.081%
62	11.969	1648	1651	1653	rBV2	9634	14119	0.81%	0.107%
63	12.055	1658	1665	1670	rVB4	38299	94310	5.38%	0.718%
64	12.134	1670	1678	1685	rBV3	220185	536586	30.60%	4.084%
65	12.250	1693	1697	1701	rVB	167809	253039	14.43%	1.926%
66	12.304	1701	1706	1707	rBV2	75709	111684	6.37%	0.850%
67	12.695	1762	1770	1775	rBV4	145845	341968	19.50%	2.603%
68	12.780	1780	1784	1790	rVB3	166737	310962	17.73%	2.367%
69	12.859	1790	1797	1801	rBV5	88362	207243	11.82%	1.577%
70	12.939	1804	1810	1815	rVV5	141055	295066	16.83%	2.246%
71	13.079	1829	1833	1836	rBV3	78021	113514	6.47%	0.864%
72	13.121	1837	1840	1843	rVV2	61867	99715	5.69%	0.759%
73	13.164	1843	1847	1855	rVB3	195982	356749	20.34%	2.715%
74	13.292	1865	1868	1872	rVB	54176	68831	3.93%	0.524%
75	13.408	1884	1887	1896	rVB6	67788	187945	10.72%	1.431%
76	13.475	1896	1898	1904	rVB4	51050	66444	3.79%	0.506%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

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\SFAMWLM120921SMA.M
Title : SFAM01.0

77	13.554	1906	1911	1915	rBV	200748	338963	19.33%	2.580%
78	13.871	1955	1963	1968	rBV2	226747	585559	33.39%	4.457%
79	14.200	2012	2017	2021	rBV3	50419	94231	5.37%	0.717%
80	14.261	2021	2027	2034	rVB5	96438	227929	13.00%	1.735%
81	14.322	2034	2037	2042	rVB5	24878	35460	2.02%	0.270%
82	14.383	2042	2047	2049	rBV3	125993	205719	11.73%	1.566%
83	14.414	2049	2052	2056	rVB	176999	244547	13.94%	1.861%
84	14.493	2062	2065	2069	rVB2	25235	33660	1.92%	0.256%
85	14.725	2099	2103	2108	rVB	98177	144739	8.25%	1.102%
86	14.816	2108	2118	2123	rBV3	80432	178981	10.21%	1.362%
87	15.017	2142	2151	2154	rBV6	41540	115163	6.57%	0.877%
88	15.060	2154	2158	2162	rVV4	45702	79225	4.52%	0.603%
89	15.267	2188	2192	2197	rVB2	21054	33846	1.93%	0.258%
90	15.359	2197	2207	2214	rBV	374649	698424	39.83%	5.316%
91	15.462	2219	2224	2229	rVB2	60688	104522	5.96%	0.796%
92	15.517	2230	2233	2237	rVB2	22855	31121	1.77%	0.237%
93	15.651	2247	2255	2262	rBV	177580	349313	19.92%	2.659%
94	15.816	2278	2282	2292	rVB2	102938	246487	14.06%	1.876%
95	15.944	2297	2303	2308	rBV	76893	150458	8.58%	1.145%
96	16.261	2350	2355	2362	rVB2	34606	78701	4.49%	0.599%
97	16.371	2363	2373	2379	rVV2	106284	293728	16.75%	2.236%
98	16.432	2379	2383	2398	rVB5	62491	186926	10.66%	1.423%
99	16.566	2401	2405	2408	rBV4	10140	19267	1.10%	0.147%
100	16.639	2408	2417	2431	rVB	785461	1753656	100.00%	13.348%

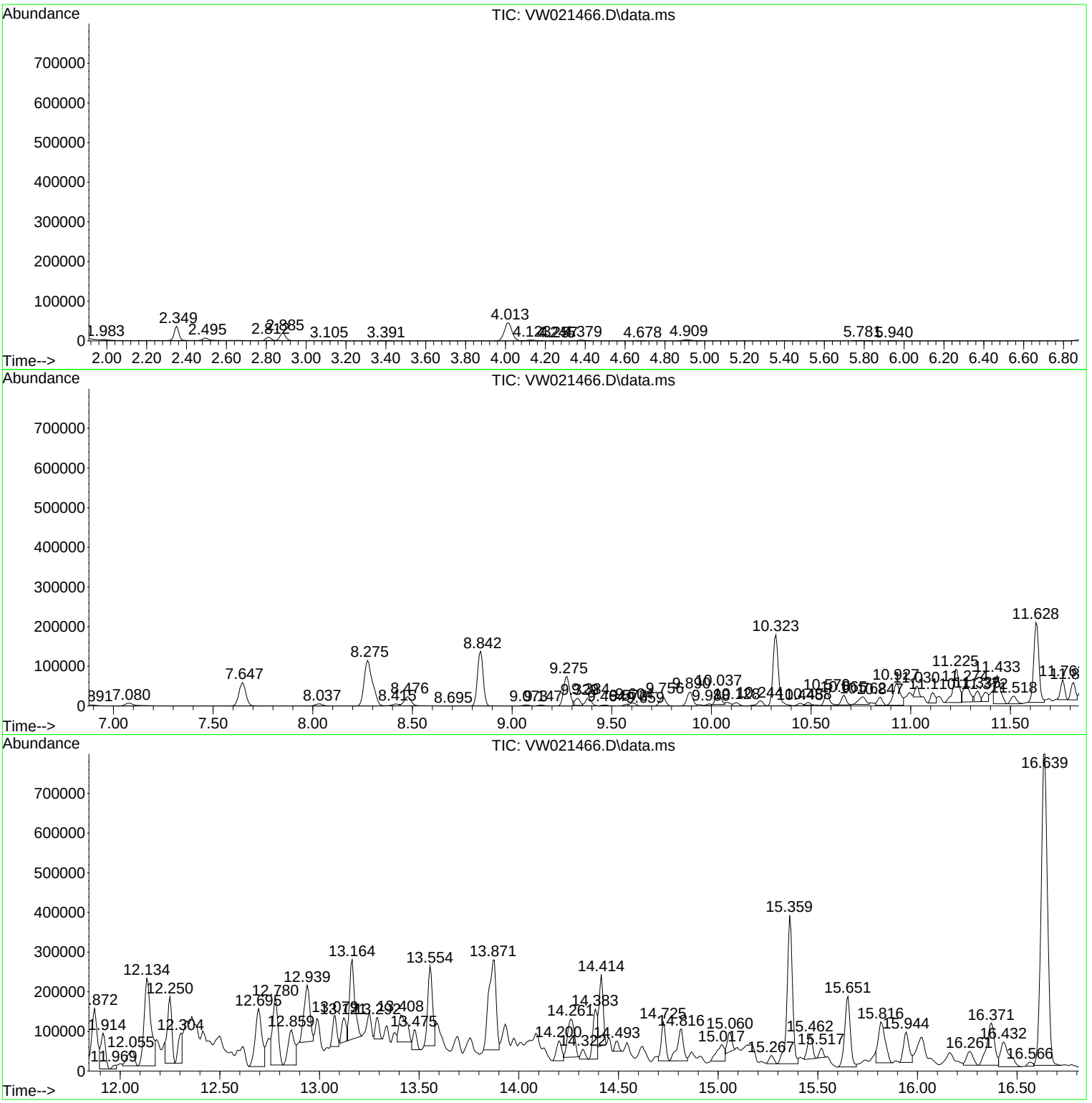
Sum of corrected areas: 13137887

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

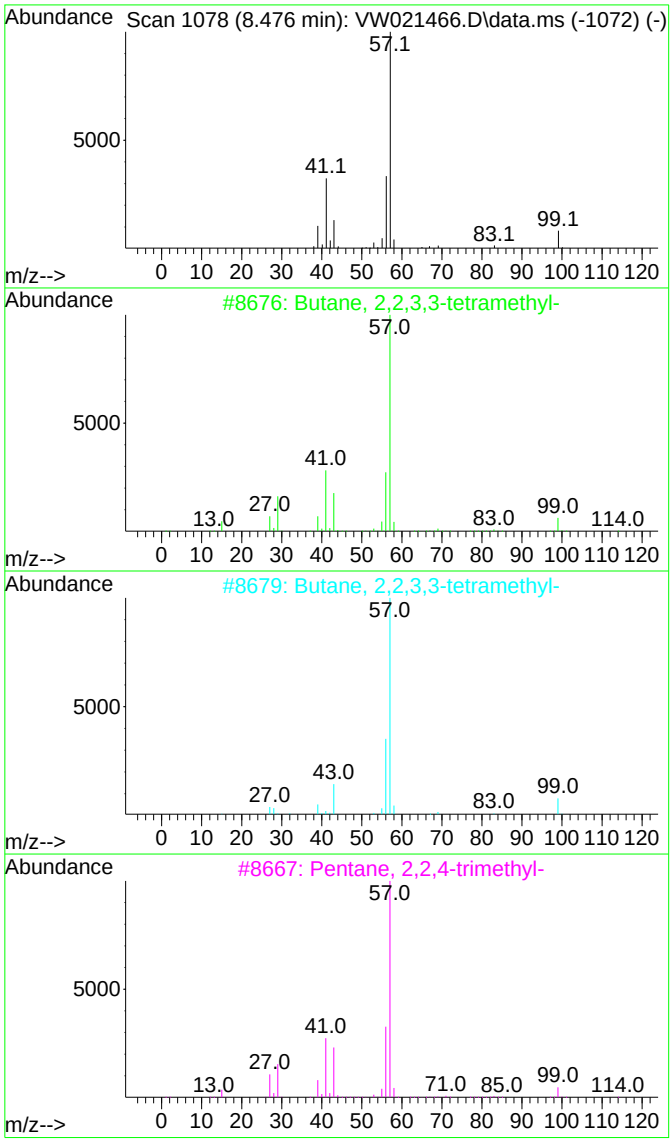
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

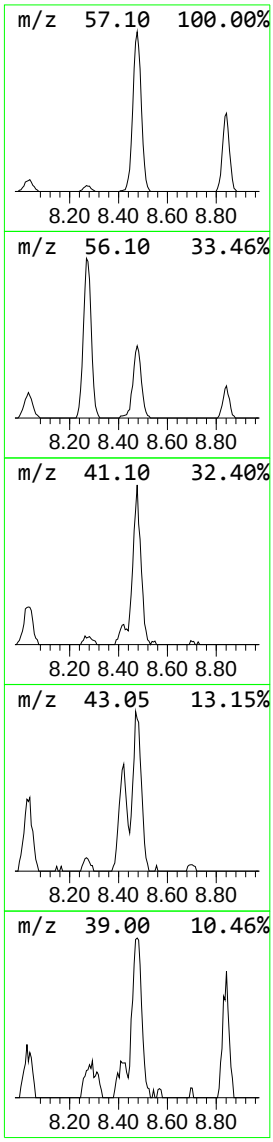
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.476	4.97 ug/L	54498	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	64
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64
5	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

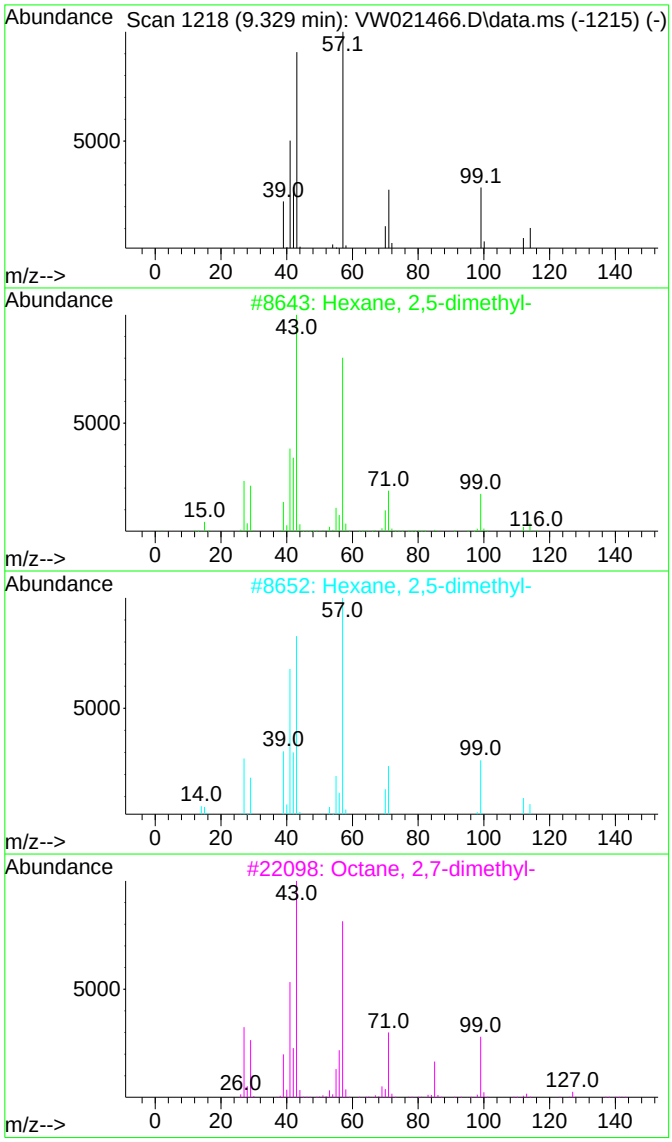
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

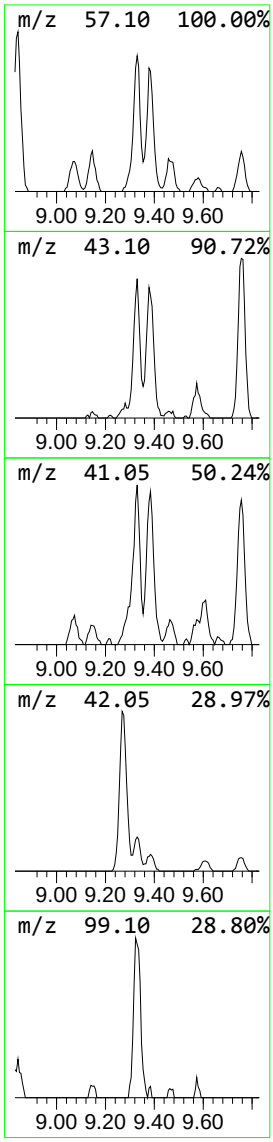
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.329	2.67 ug/L	29295	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	78
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	72
3	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	59
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	56
5	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

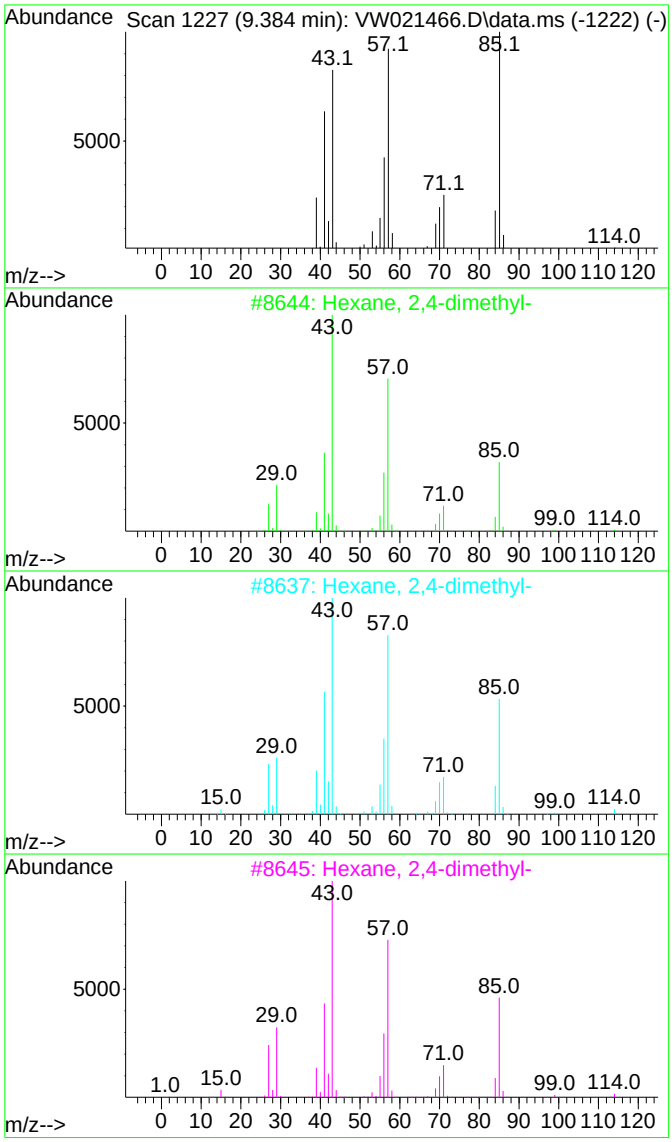
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

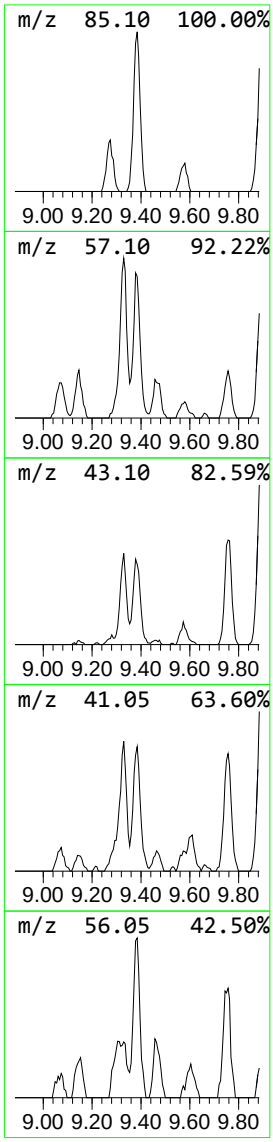
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.384	3.67 ug/L	40266	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	83
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	74
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	74
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	74
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

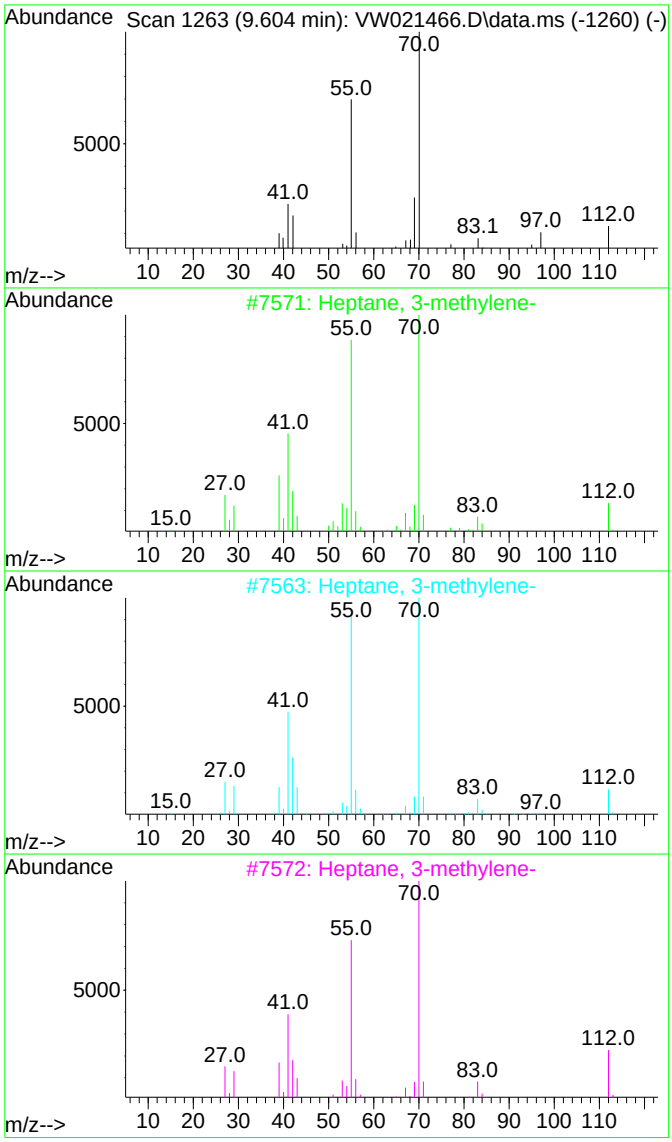
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

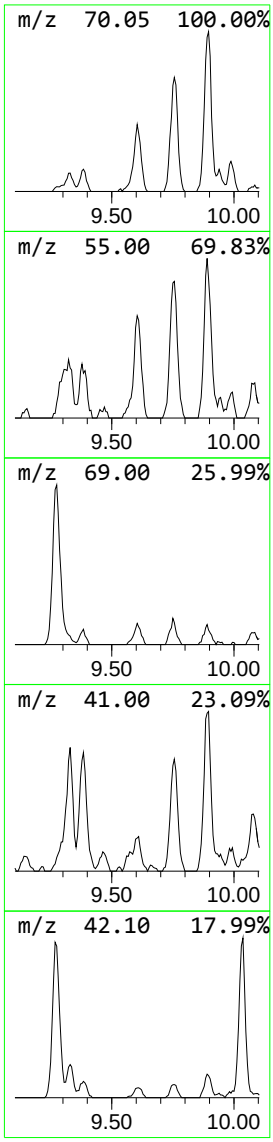
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.604	1.33 ug/L	14613	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methylene-	112	C8H16	001632-16-2	80
2	Heptane, 3-methylene-	112	C8H16	001632-16-2	80
3	Heptane, 3-methylene-	112	C8H16	001632-16-2	80
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	78
5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

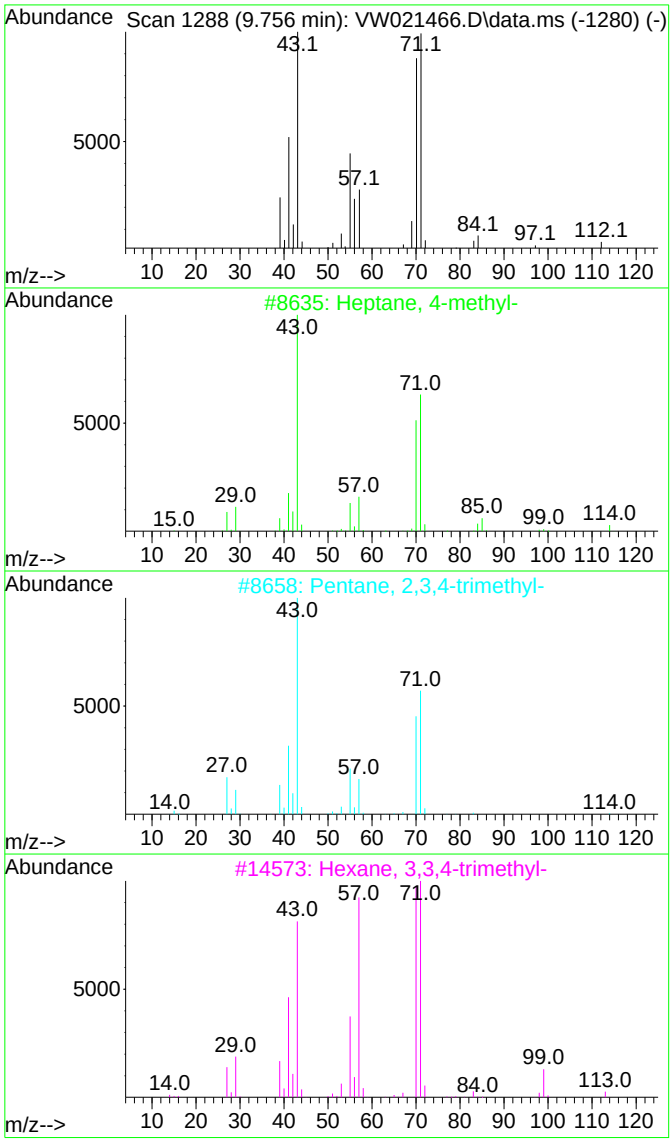
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

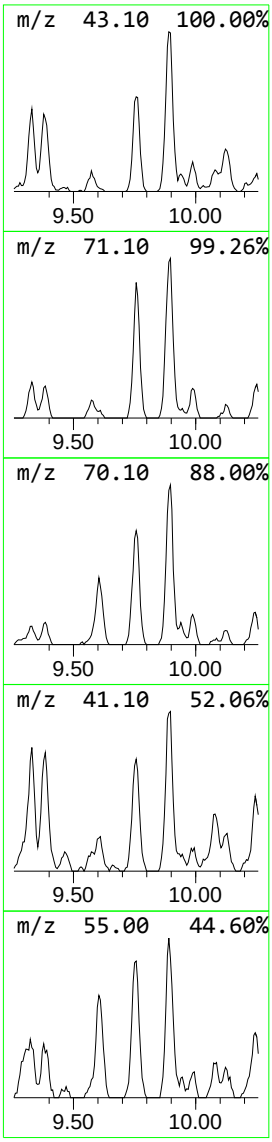
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.756	4.30 ug/L	47190	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72
3	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	56
4	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	53
5	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

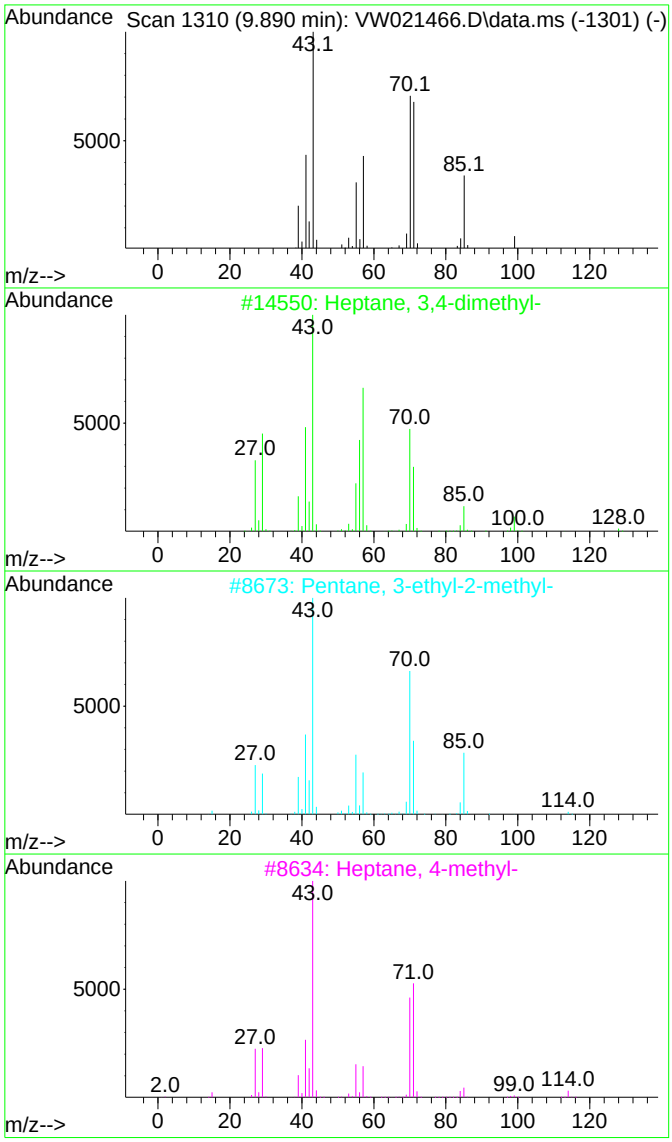
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

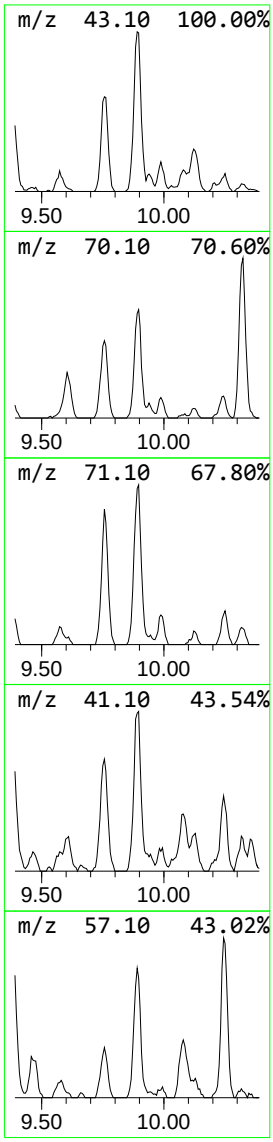
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.890	6.62 ug/L	72613	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	72
2	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	72
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
4	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

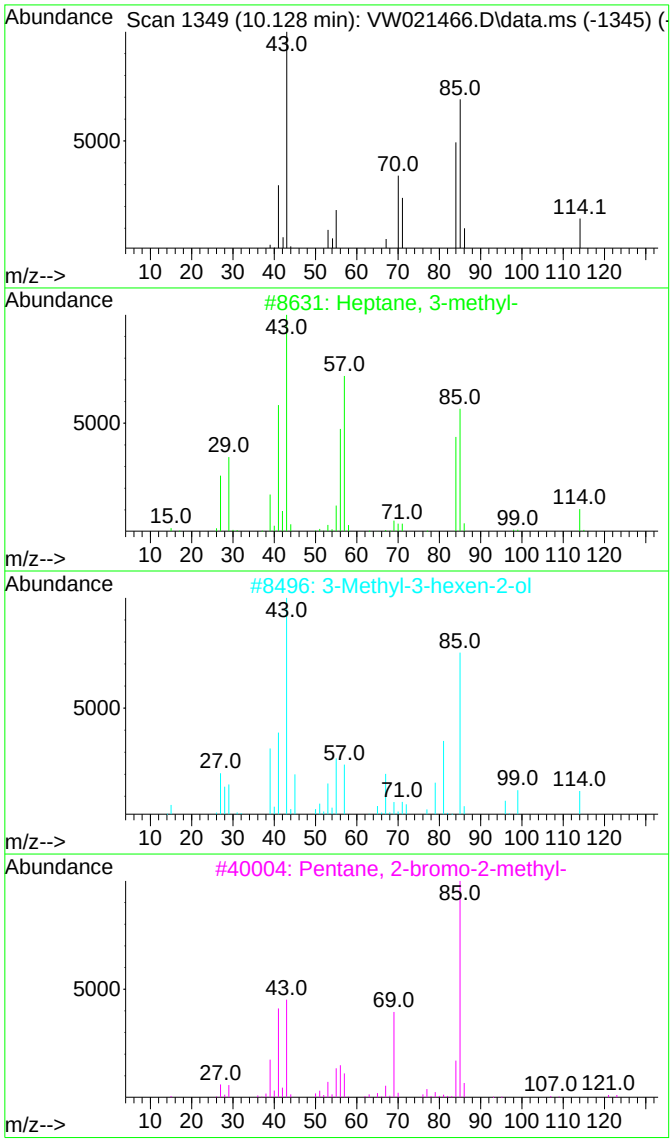
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

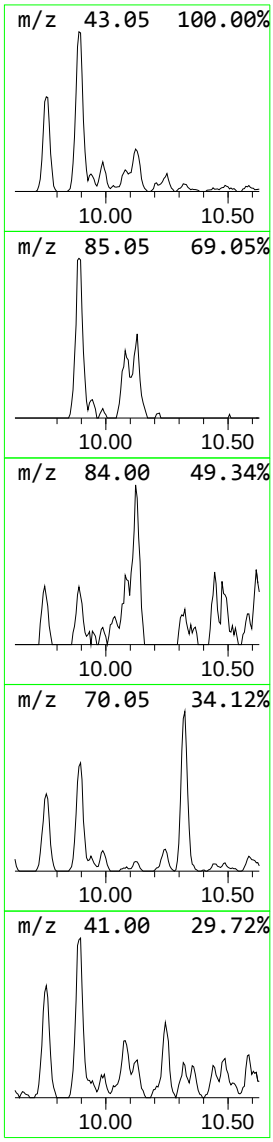
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.128	1.42 ug/L	15561	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	53
2	3-Methyl-3-hexen-2-ol	114	C7H14O	076966-27-3	17
3	Pentane, 2-bromo-2-methyl-	164	C6H13Br	004283-80-1	17
4	2-Hexene, 2-methoxy-	114	C7H14O	061142-45-8	17
5	2,6-Octadiene-4,5-diol, 4-methyl-	156	C9H16O2	056335-74-1	12





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

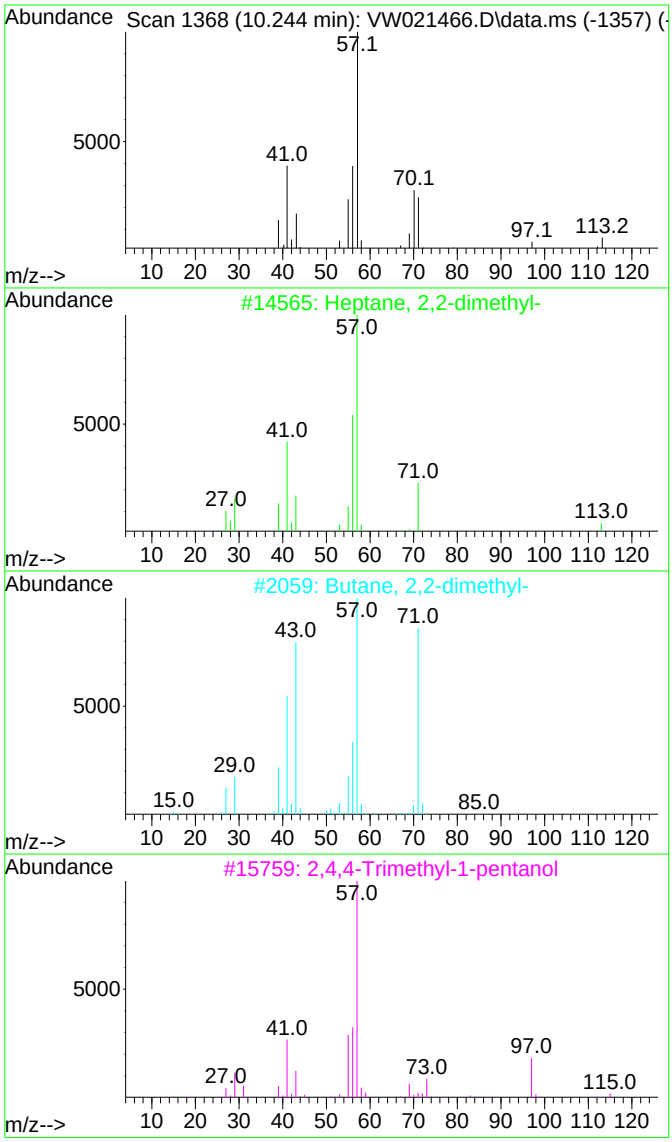
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

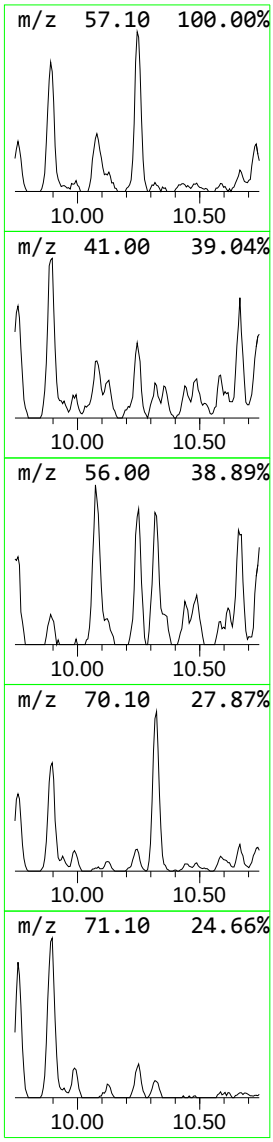
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.244	1.96 ug/L	28383	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	59
2	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
3	2,4,4-Trimethyl-1-pentanol	130	C8H18O	016325-63-6	47
4	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	45
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

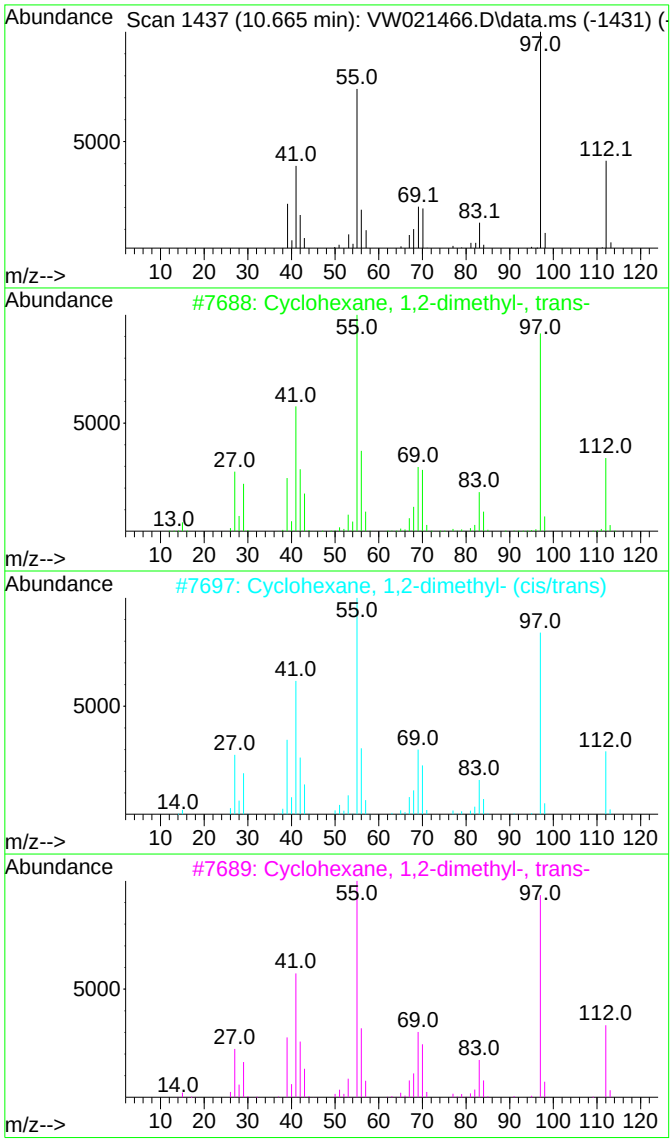
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

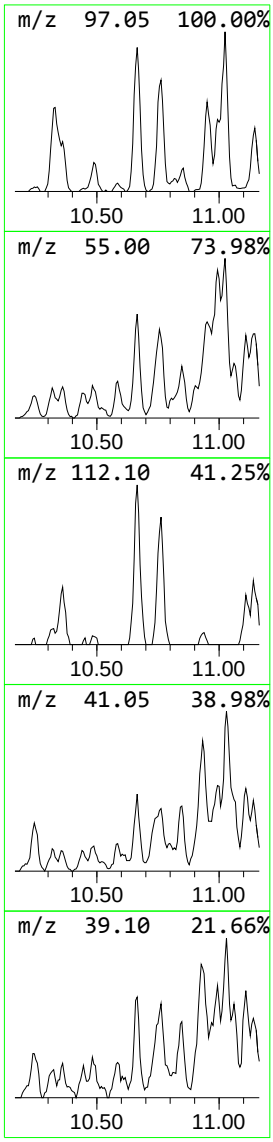
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic10.665 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.665	2.78 ug/L	40313	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

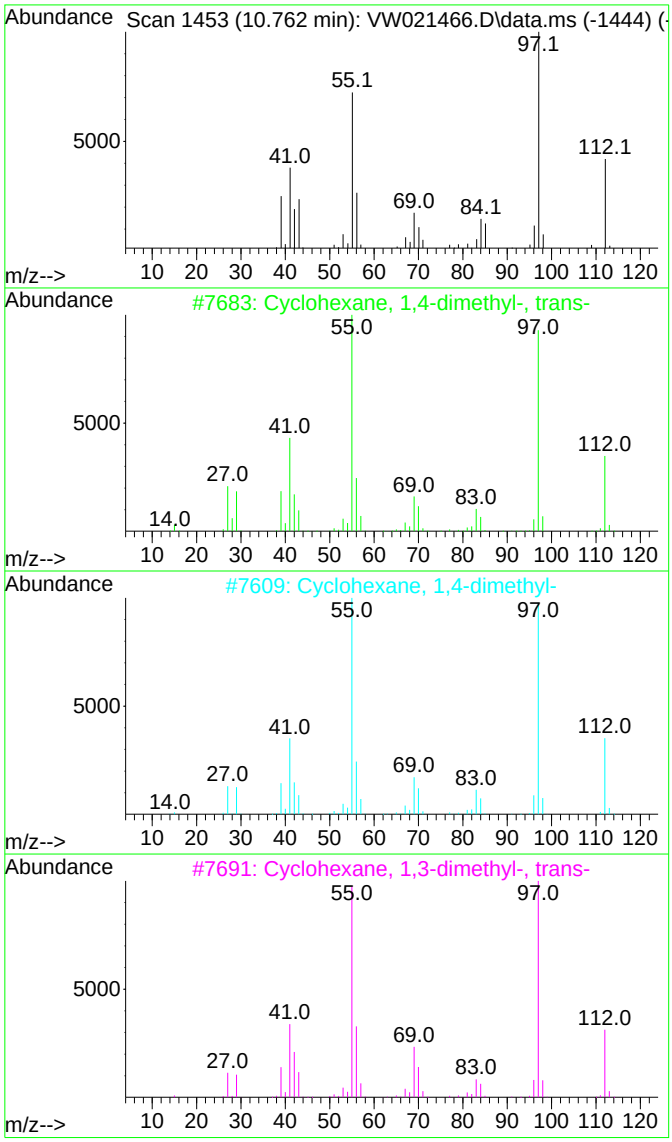
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

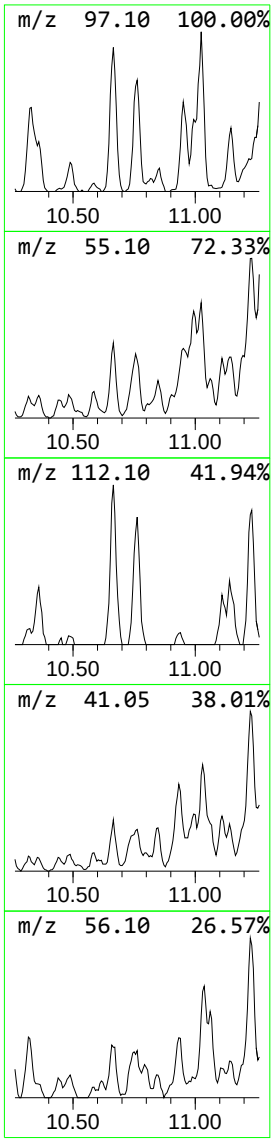
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Cyclic10.762 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.762	3.39 ug/L	49098	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91
2	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	87
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	86
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

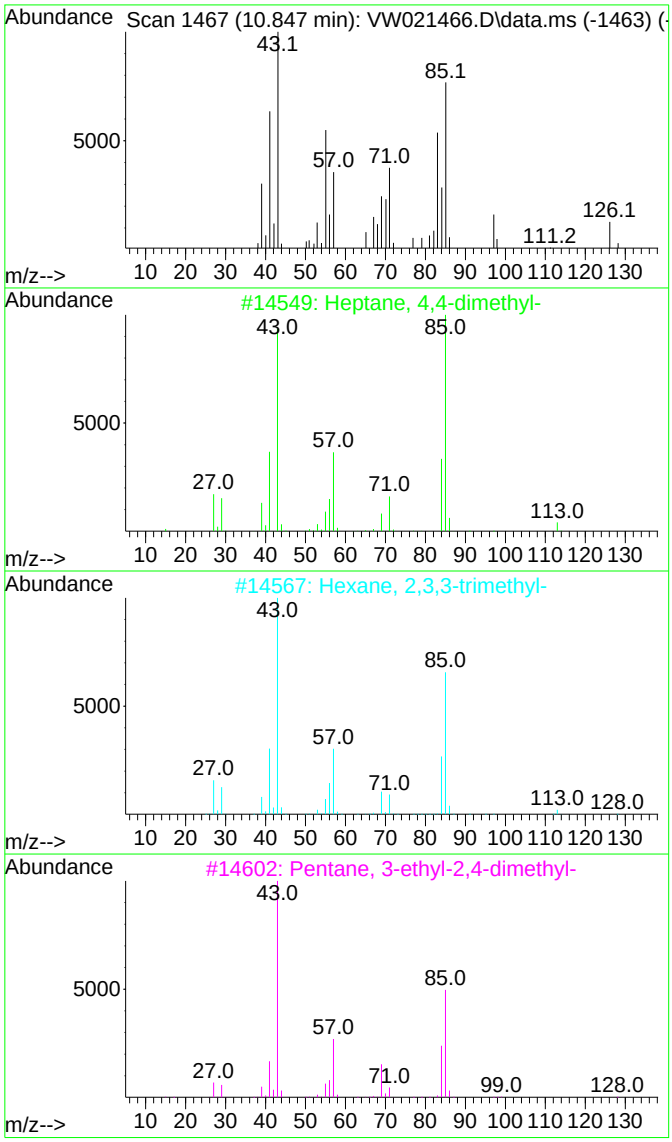
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

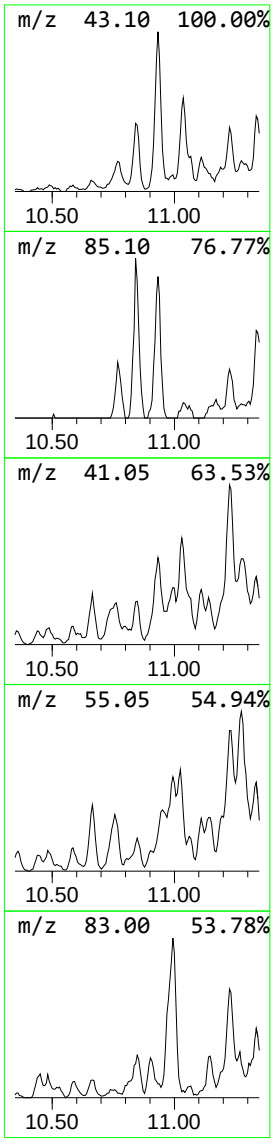
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.847	2.32 ug/L	33598	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	38
2	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	38
3	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	38
4	1,2,4,3,5-Trioxadiborolane, 3,5-...	100	C2H6B2O3	031083-12-2	38
5	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

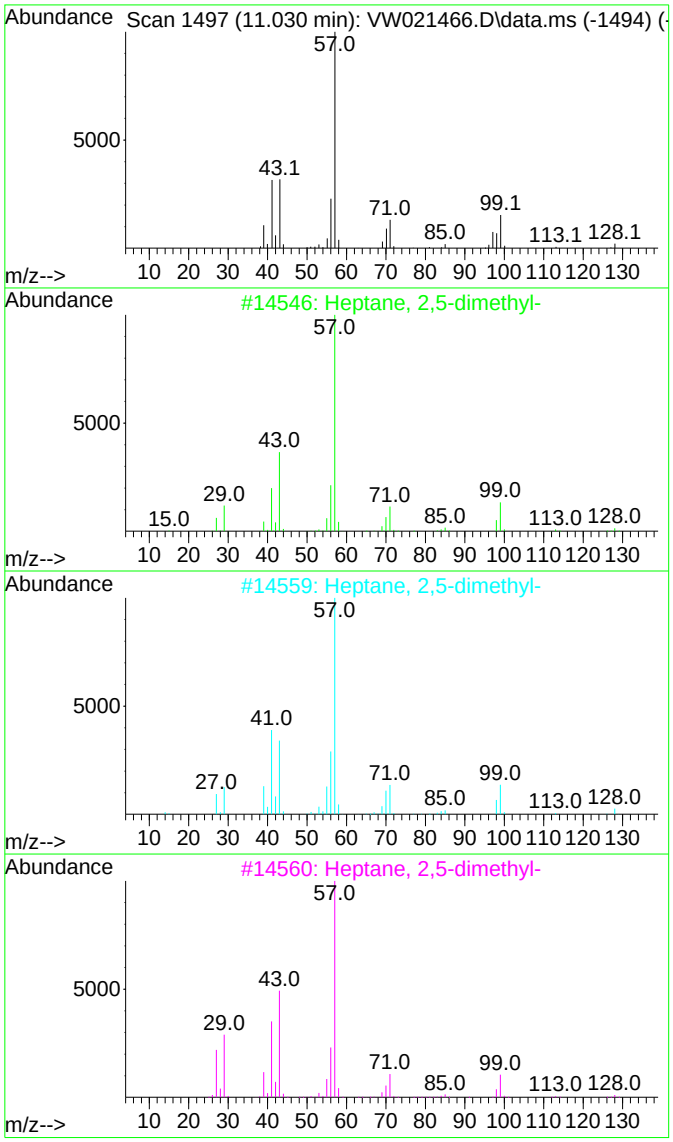
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

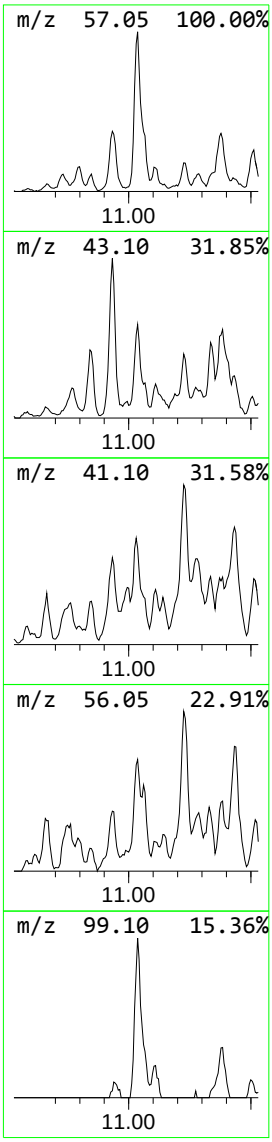
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.030	2.42 ug/L	35110	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	83
4	Octane, 3-methyl-	128	C9H20	002216-33-3	74
5	Octane, 3-methyl-	128	C9H20	002216-33-3	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

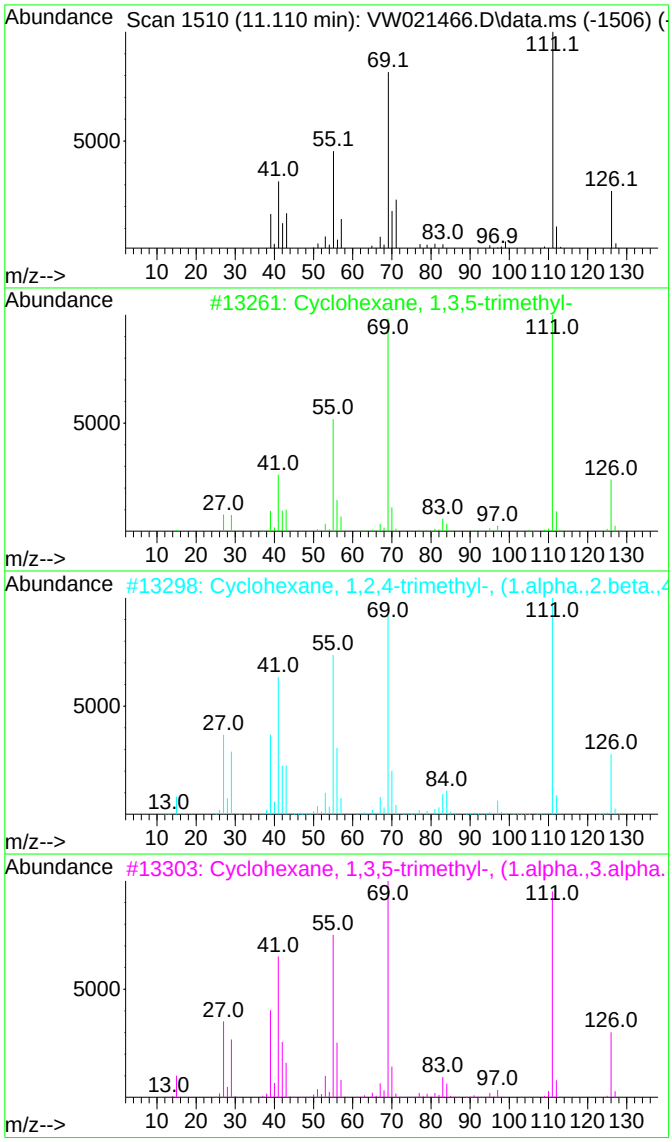
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

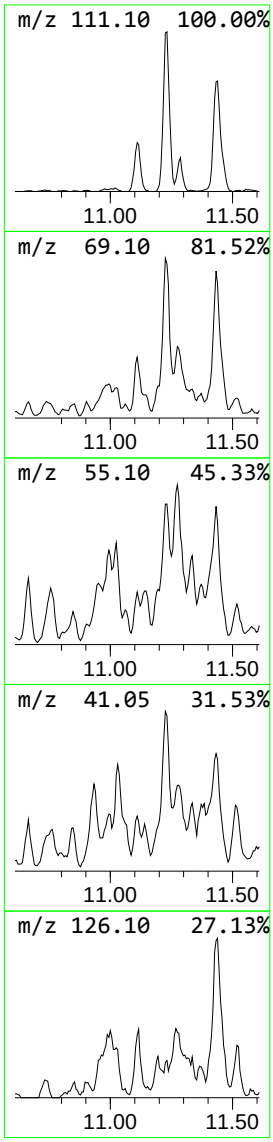
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Cyclic11.110 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.110	2.93 ug/L	42429	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	80
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	80
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	72
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72
5	2-Pyrazoline, 1-isopropyl-5-methyl-	126	C7H14N2	026964-54-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

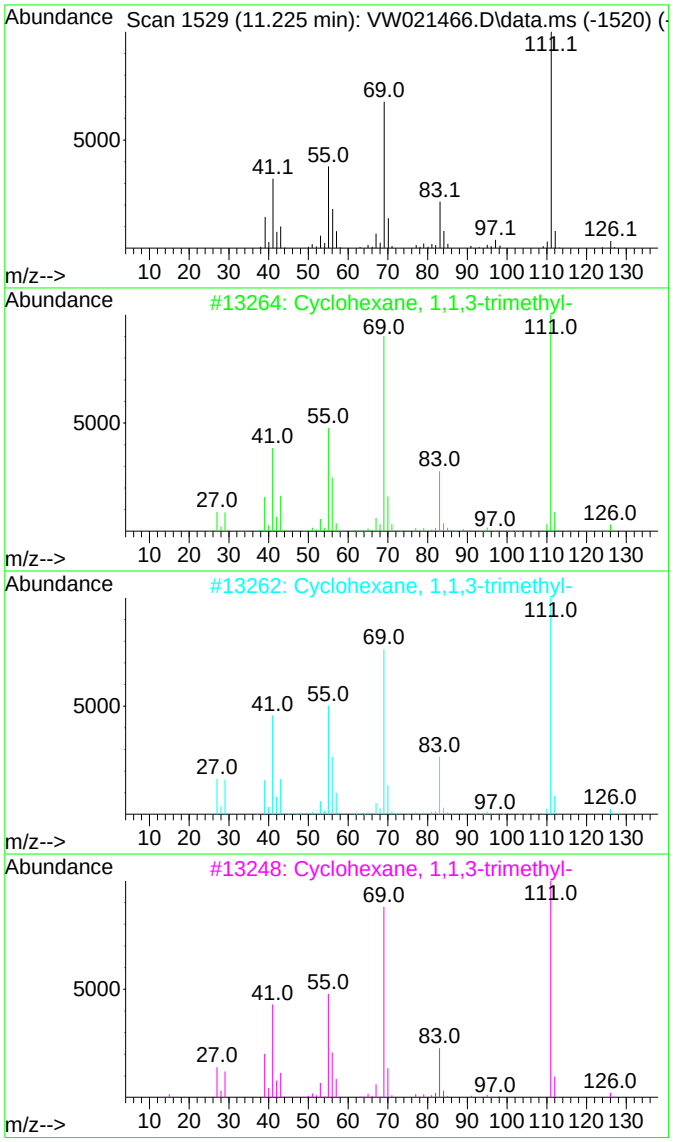
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

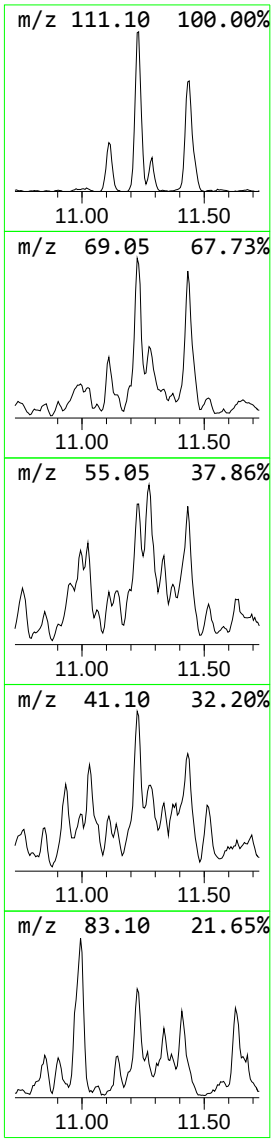
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic11.225 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.225	12.79 ug/L	185437	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	94
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	94
4	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	72
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

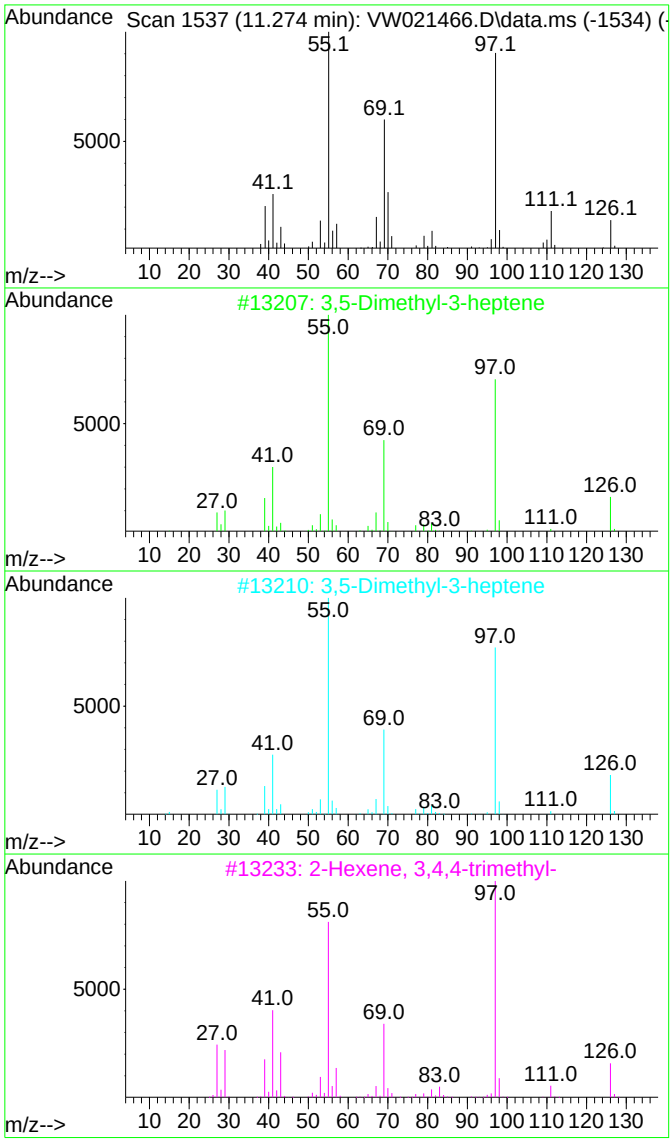
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

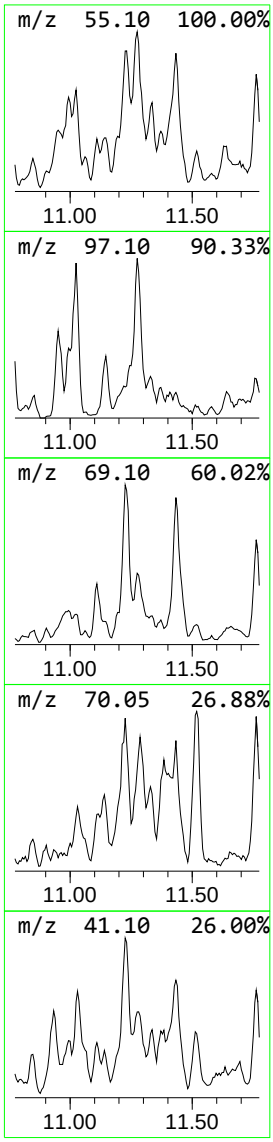
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.274	6.84 ug/L	99104	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	68
2	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	64
3	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	64
4	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	59
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

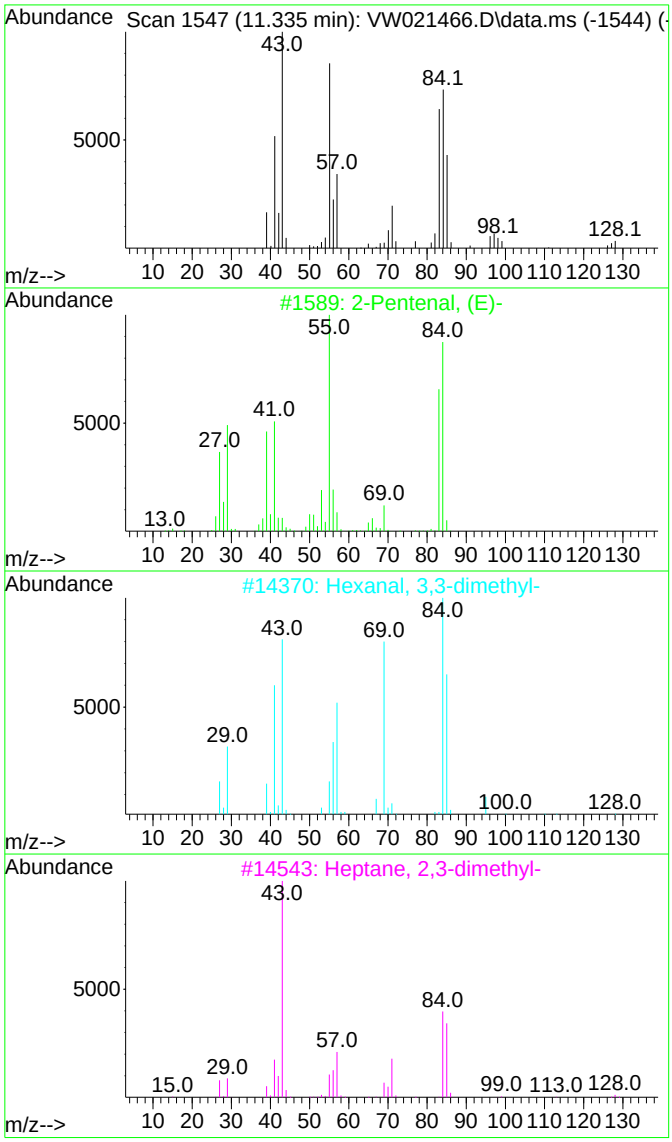
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

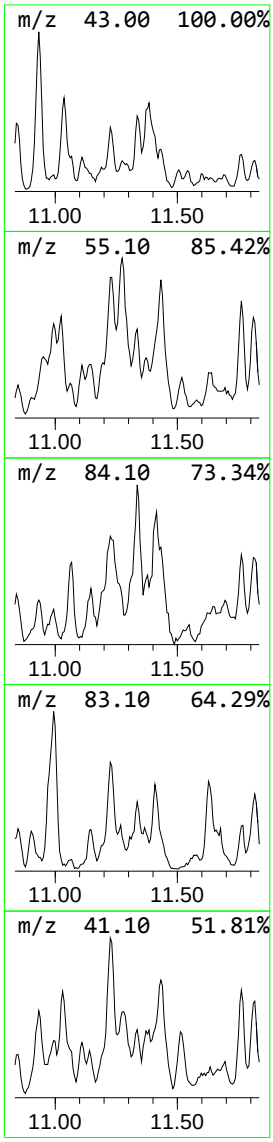
****

Peak Number 18 unknown-01 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.335	2.89 ug/L	41901	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentenal, (E)-	84	C5H8O	001576-87-0	49
2	Hexanal, 3,3-dimethyl-	128	C8H16O	055320-57-5	47
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	47
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	43
5	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

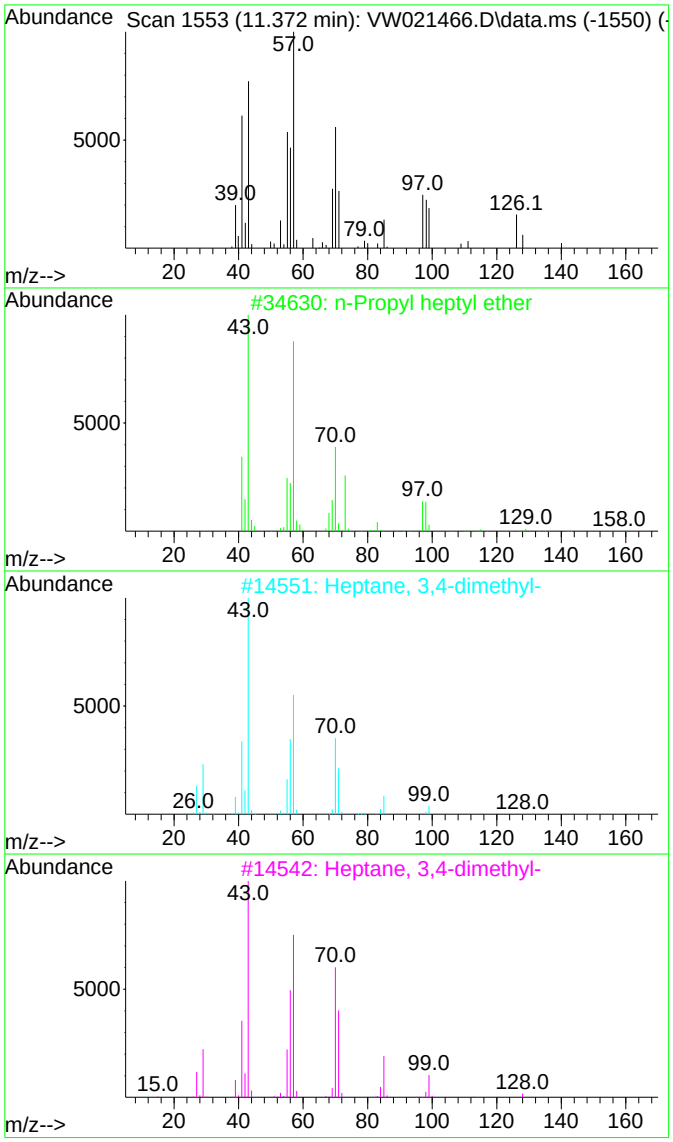
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

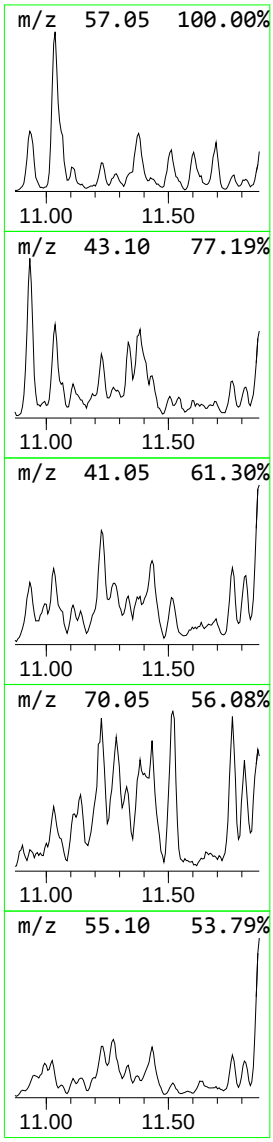
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 n-Propyl heptyl ether Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.372	2.88 ug/L	41812	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Propyl heptyl ether	158	C10H22O	071112-89-5	50
2	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	50
3	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	50
4	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	50
5	Acetic acid, nonyl ester	186	C11H22O2	000143-13-5	47





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Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

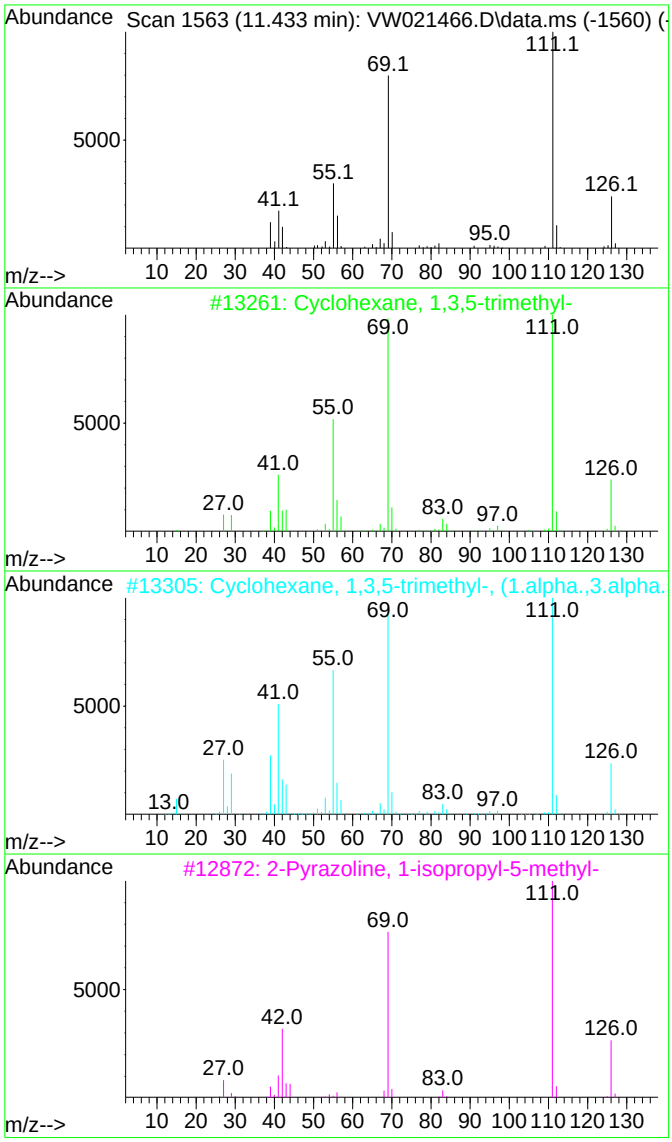
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

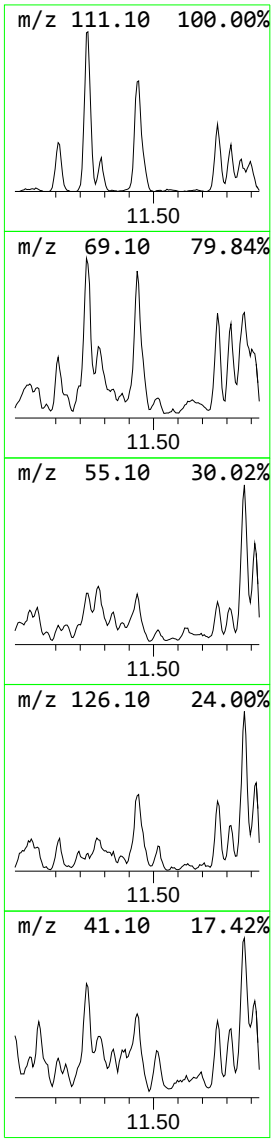
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic11.433 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.433	9.65 ug/L	139859	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	87
3	2-Pyrazoline, 1-isopropyl-5-methyl-	126	C7H14N2	026964-54-5	80
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	72
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

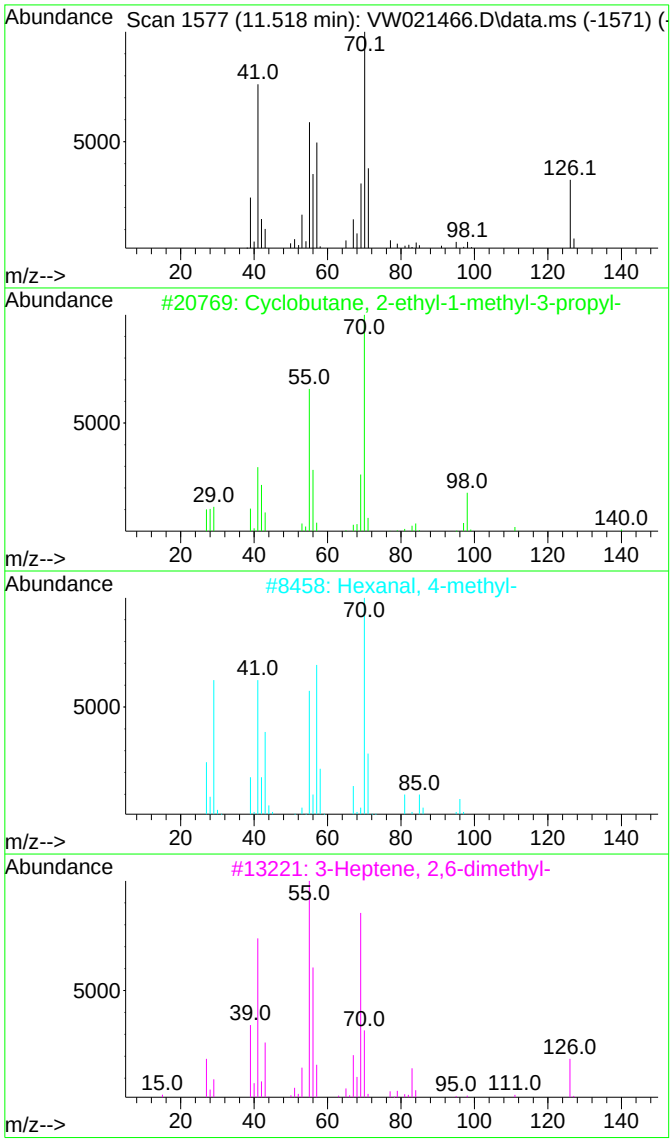
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

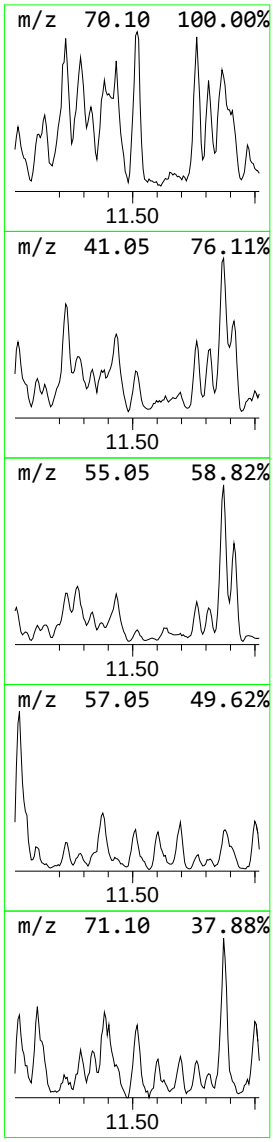
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Cyclic11.518 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.518	2.74 ug/L	39756	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, 2-ethyl-1-methyl-3-...	140	C10H20	061233-72-5	50
2	Hexanal, 4-methyl-	114	C7H14O	041065-97-8	40
3	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	38
4	cis-3-Nonene	126	C9H18	020237-46-1	35
5	2-Butene, 2-methyl-	70	C5H10	000513-35-9	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

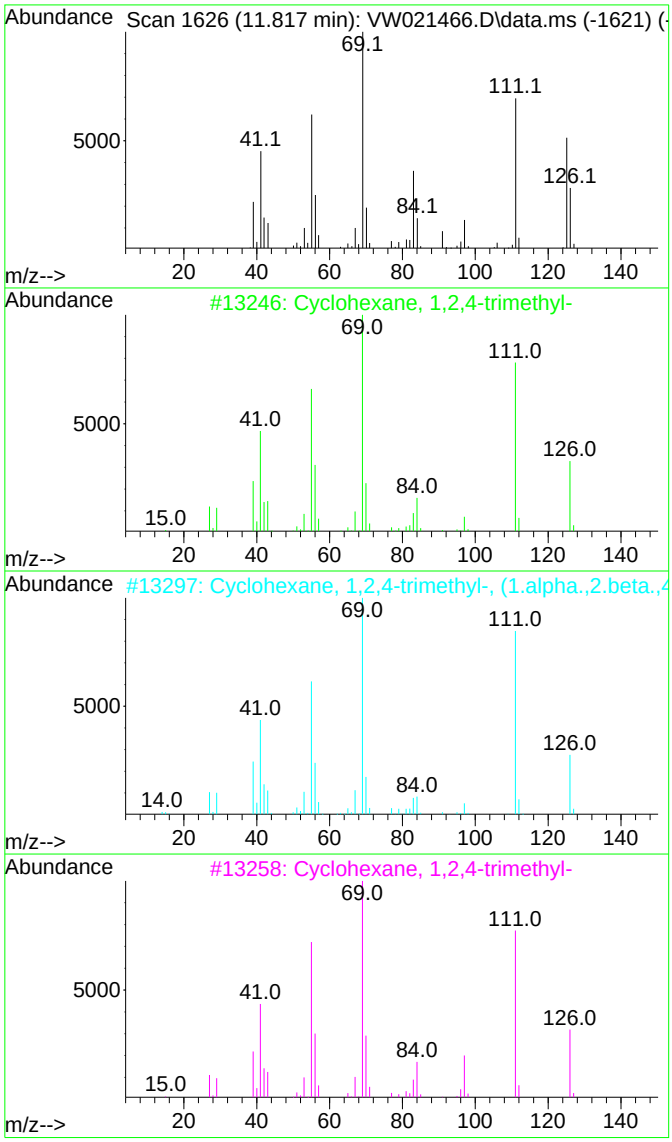
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

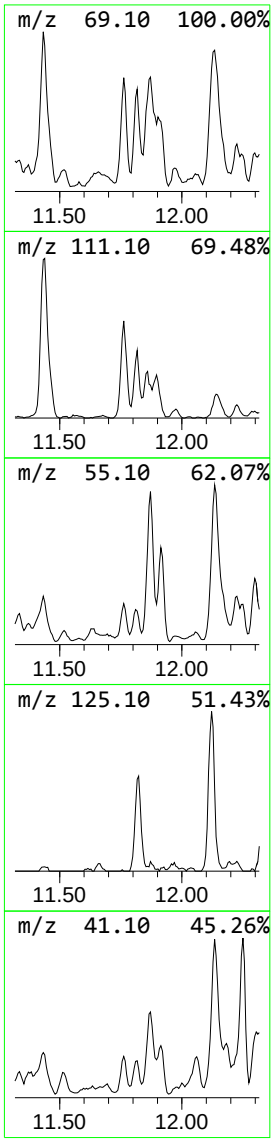
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Cyclic11.817 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.817	4.82 ug/L	69812	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	95
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	92
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	89
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	70
5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

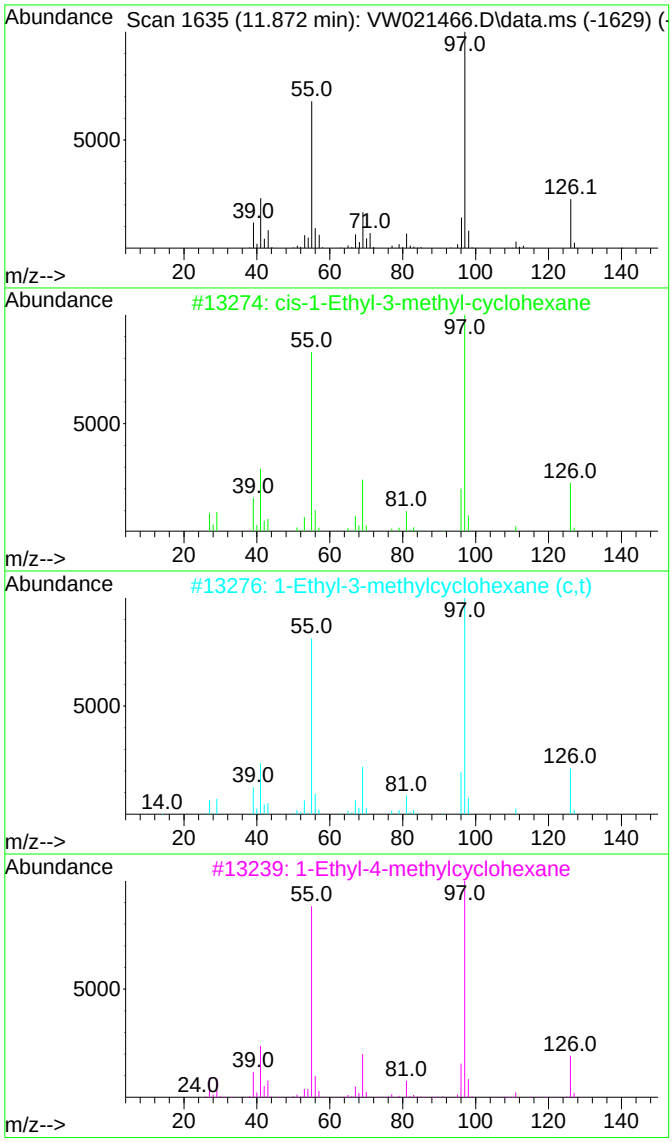
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

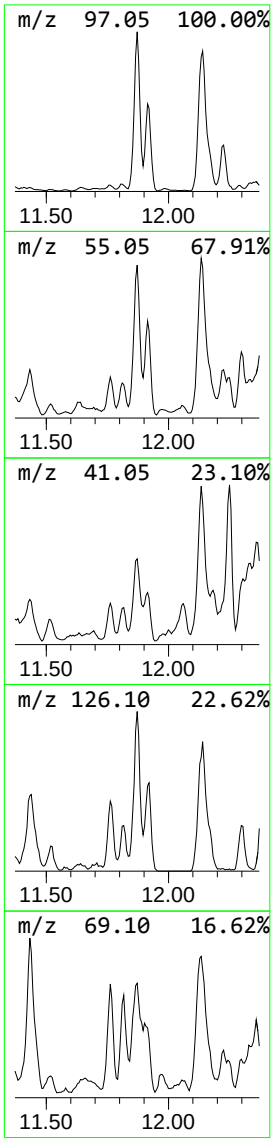
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Cyclic11.872 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.872	18.61 ug/L	269738	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	95
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	94
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
4	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	91
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

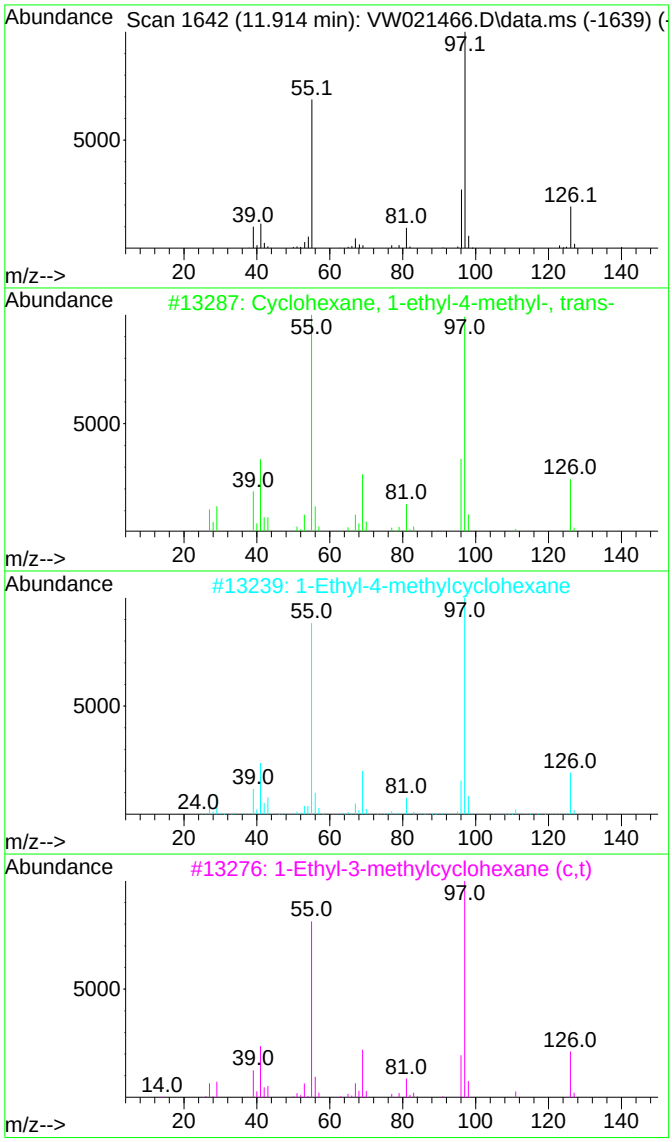
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

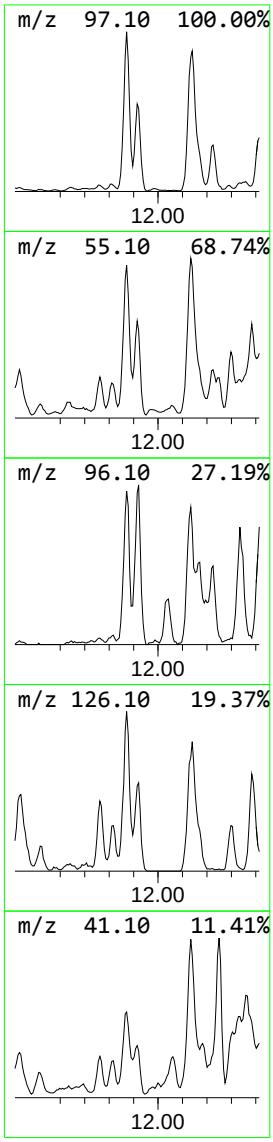
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Cyclic11.914 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.914	9.79 ug/L	141963	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	90
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	87
3	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	78
4	Cyclopentane, 1-hydroxymethyl-1,...	128	C8H16O	1000156-73-8	59
5	4-Octen-3-one	126	C8H14O	014129-48-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

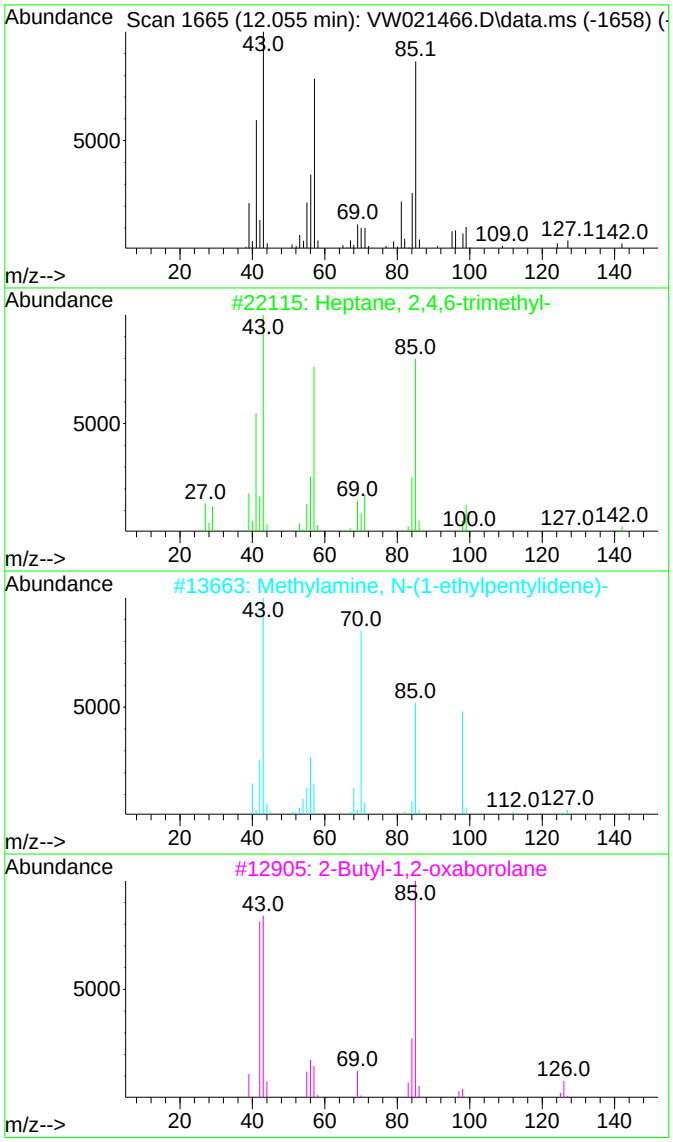
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

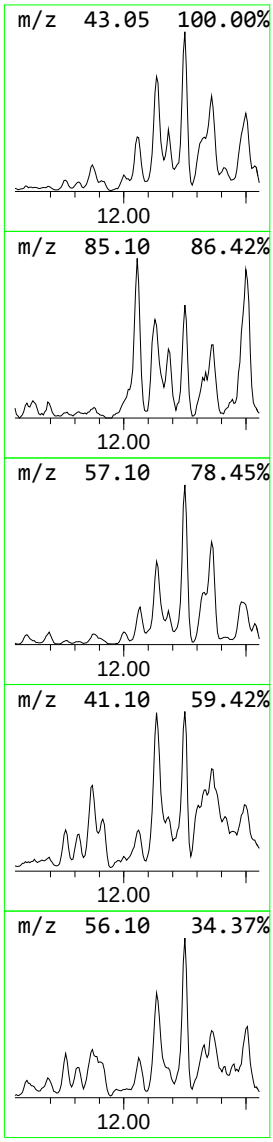
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.055	6.51 ug/L	94310	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	64
2	Methylamine, N-(1-ethylpentylide...	127	C8H17N	018641-73-1	59
3	2-Butyl-1,2-oxaborolane	126	C7H15BO	005357-13-1	59
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53
5	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

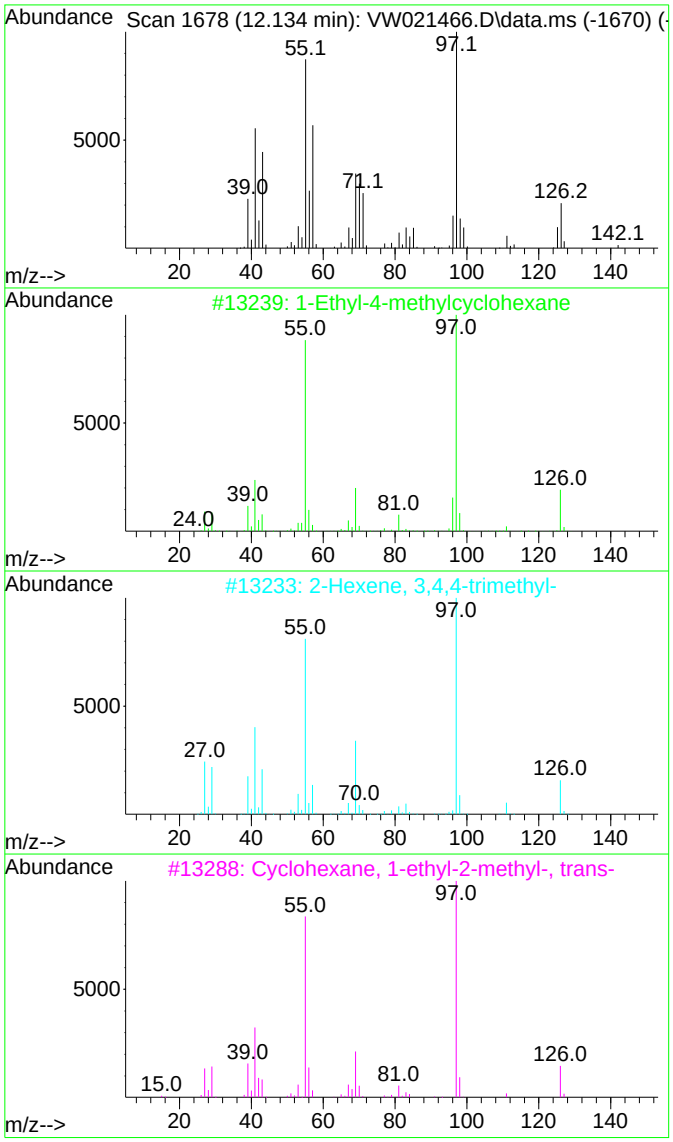
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

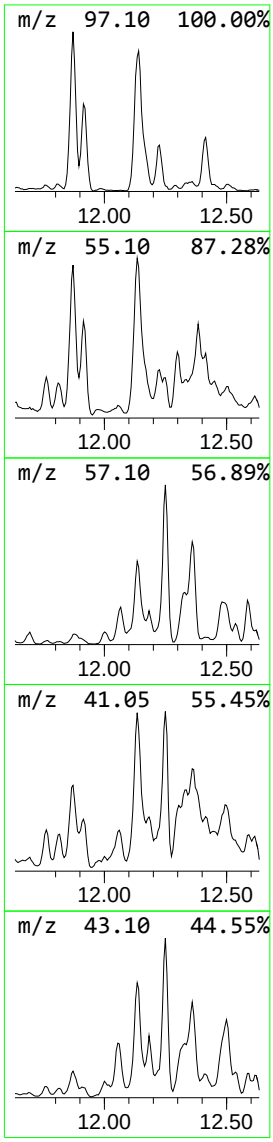
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Cyclic12.134 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.134	37.01 ug/L	536586	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	60
2	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	55
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	53
4	Sulfurous acid, cyclohexylmethyl...	346	C19H38O3S	1000309-22-0	53
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

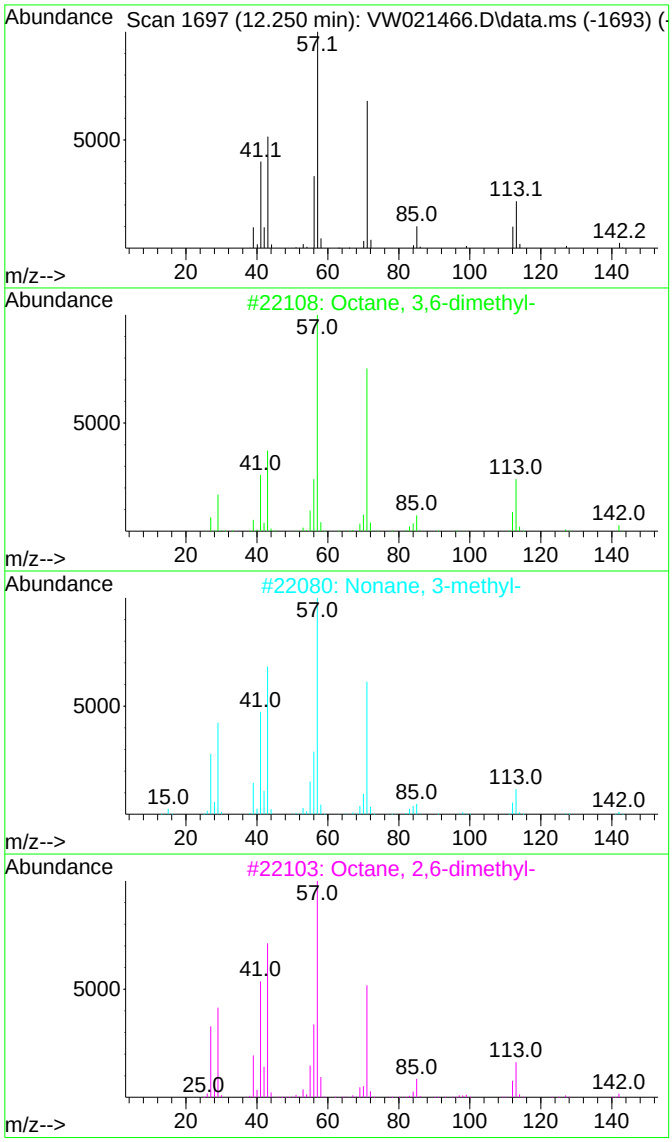
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

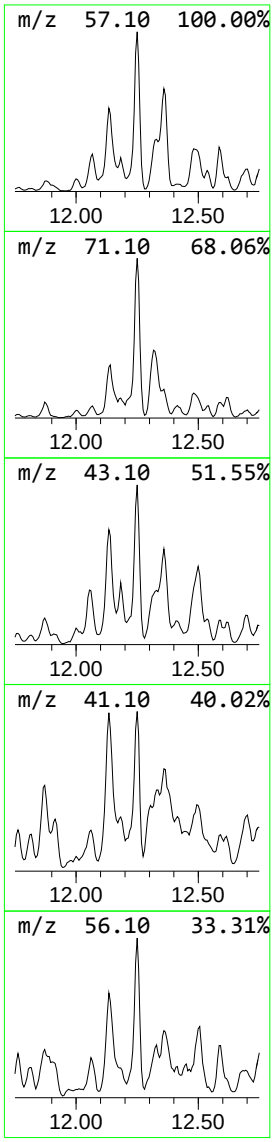
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.250	17.45 ug/L	253039	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	86
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

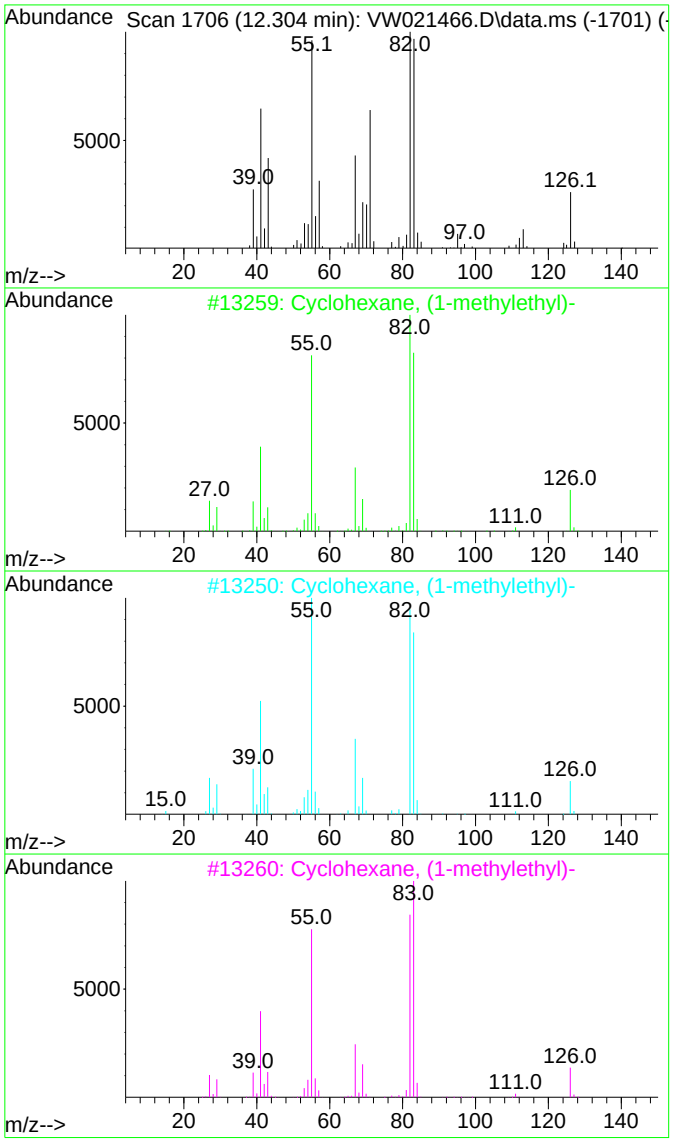
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

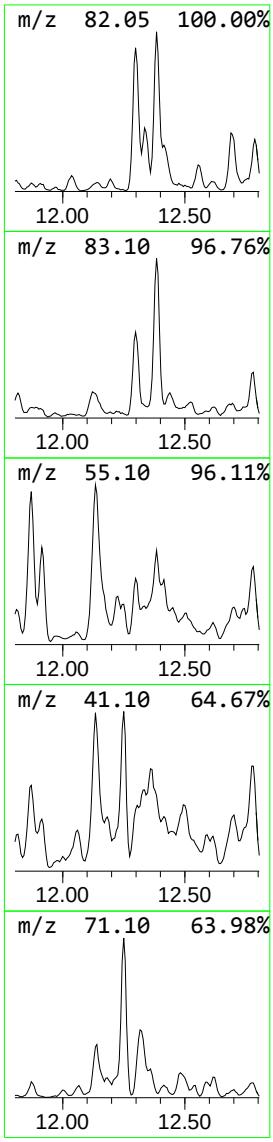
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Cyclic12.305 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.305	7.70 ug/L	111684	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	94
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	76
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	62
4	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	58
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

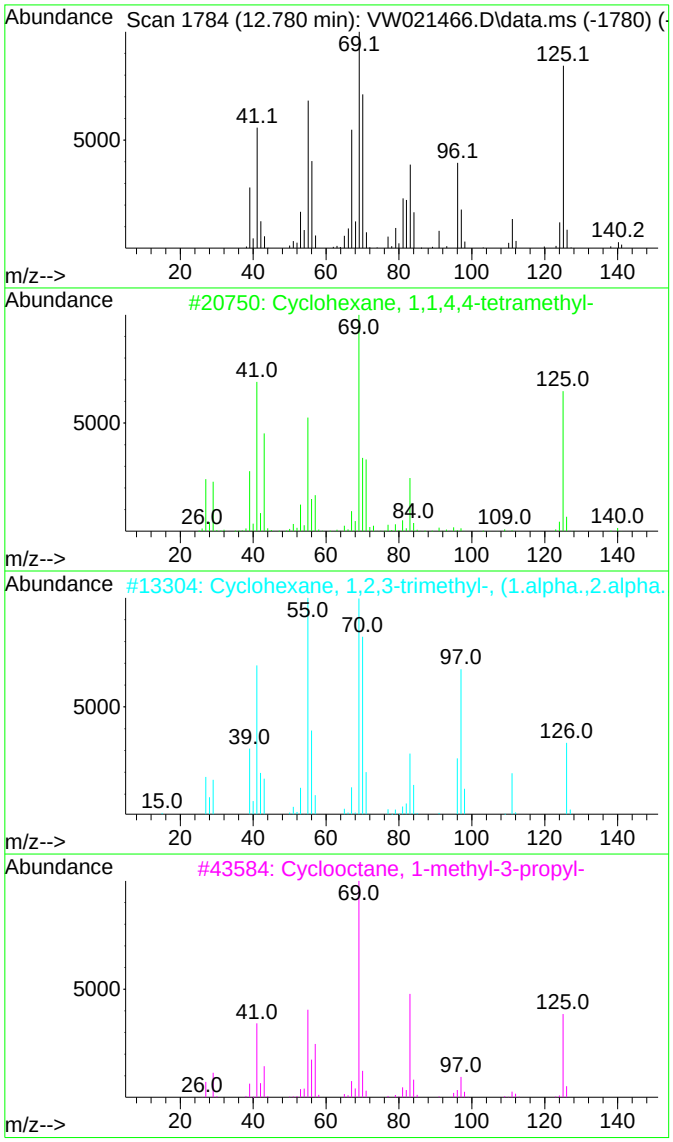
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

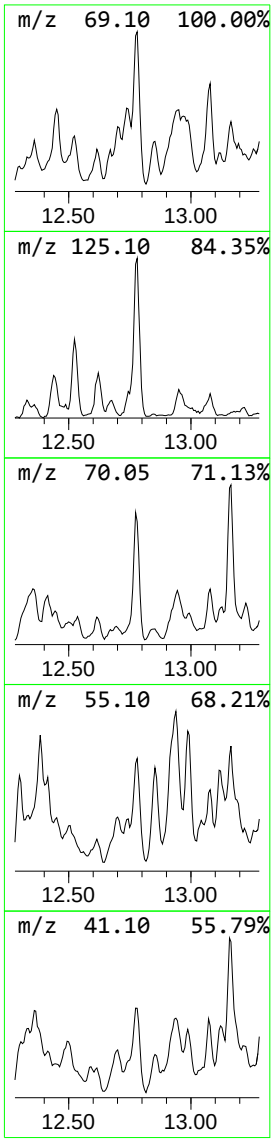
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Cyclic12.780 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	22.93 ug/L	310962	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	47
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001839-88-9	32
3	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	27
4	Isopropylphosphonic acid, dicylc...	260	C13H25O3P	1000273-18-4	22
5	2-Propen-1-one, 1-cyclopropyl-	96	C6H8O	059819-62-4	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

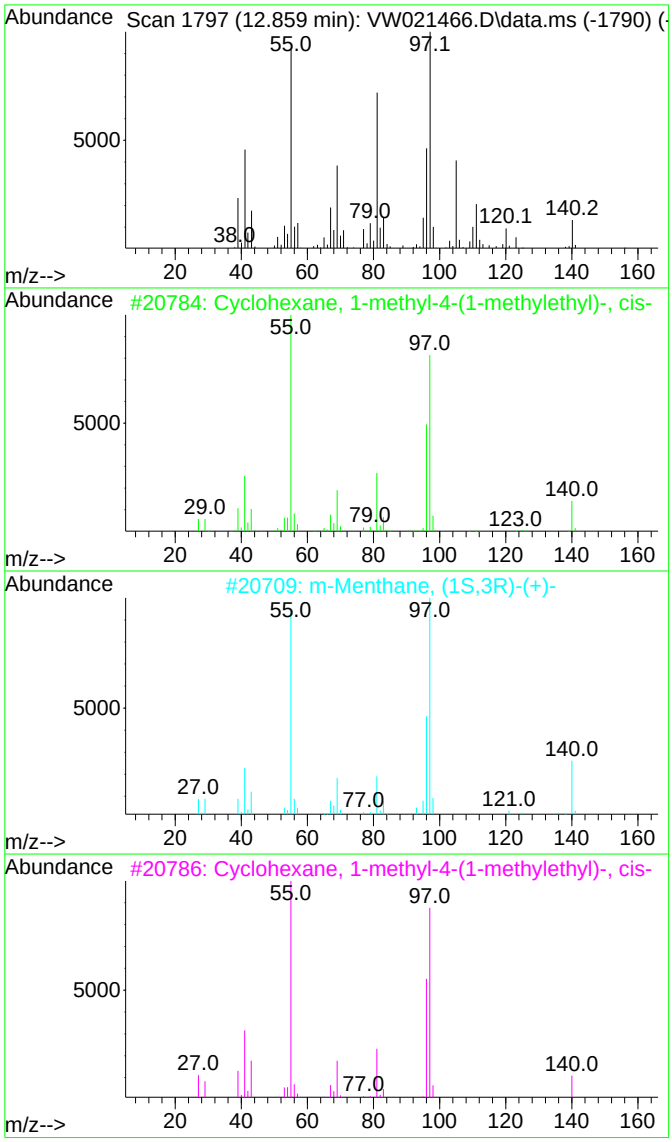
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

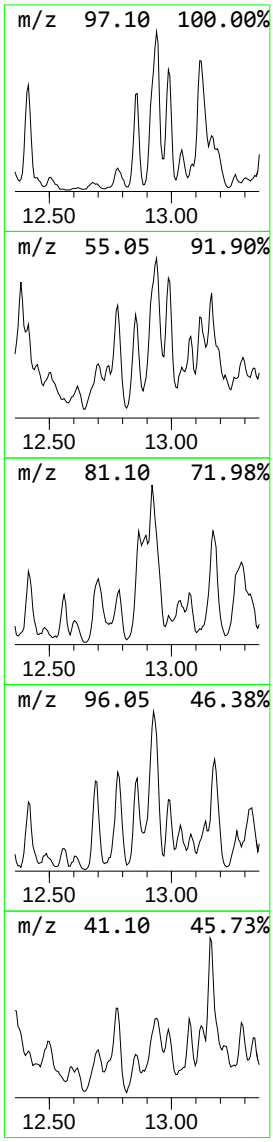
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (DEL) Alkane: Cyclic12.859 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	15.29 ug/L	207243	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	62
2	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	62
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	58
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	58
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

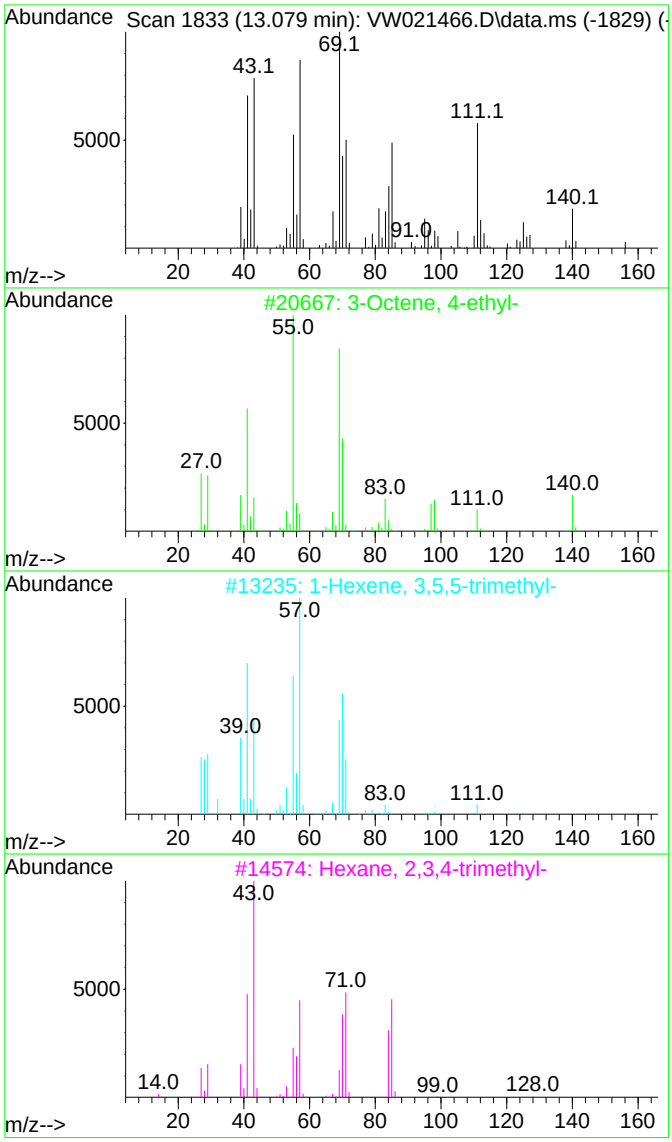
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

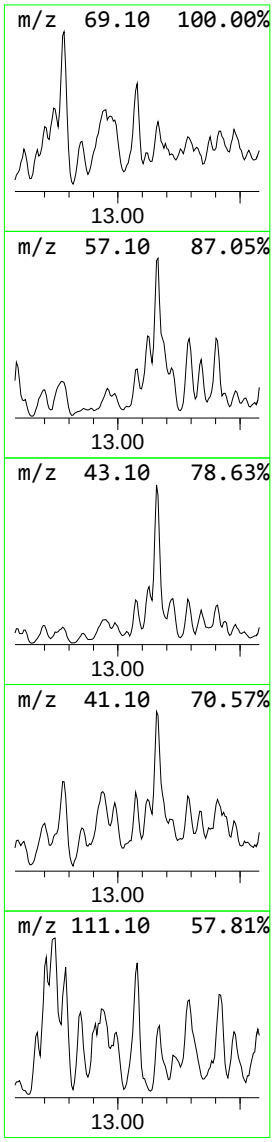
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.079	8.37 ug/L	113514	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octene, 4-ethyl-	140	C10H20	053966-51-1	43
2	1-Hexene, 3,5,5-trimethyl-	126	C9H18	004316-65-8	41
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	38
4	3-Ethyl-3-octene	140	C10H20	019781-31-8	38
5	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

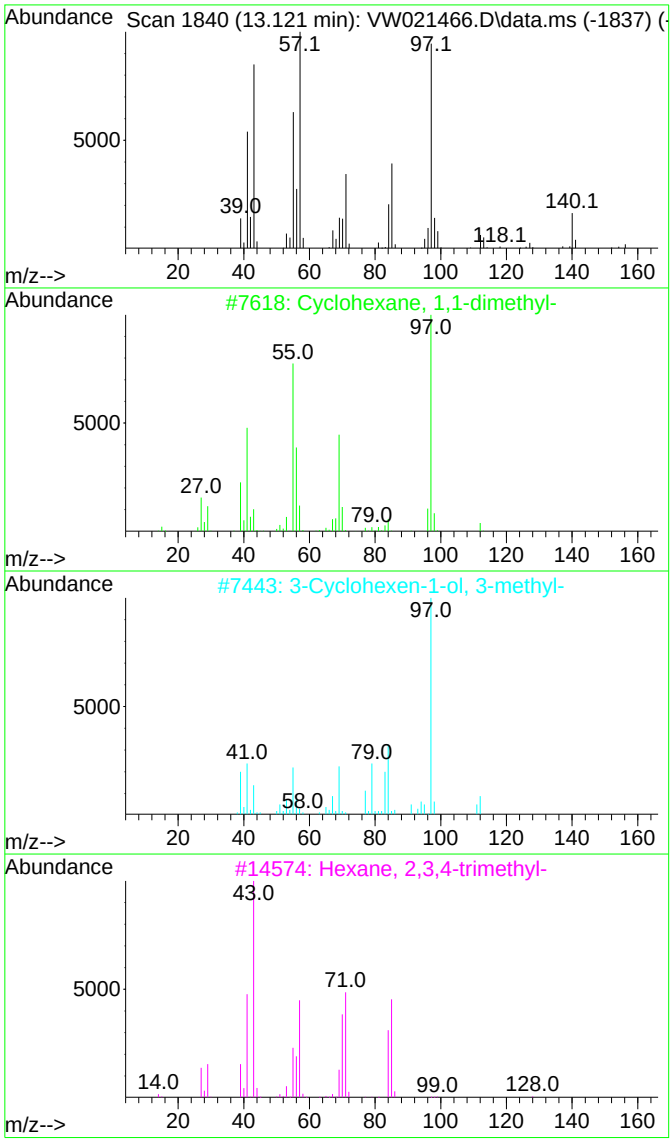
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

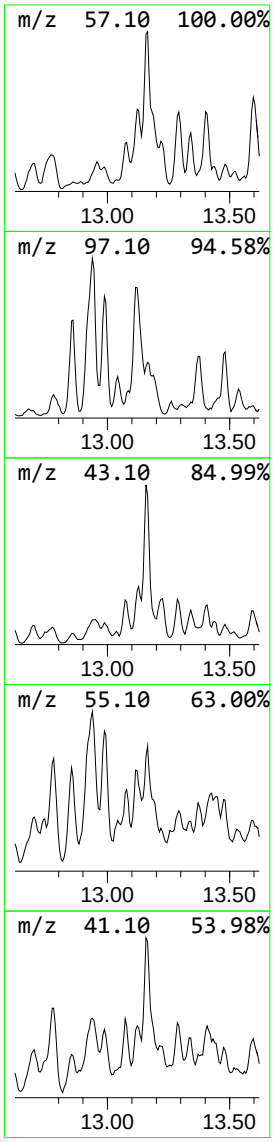
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Cyclic13.121 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.121	7.35 ug/L	99715	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	46
2	3-Cyclohexen-1-ol, 3-methyl-	112	C7H12O	053783-91-8	38
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	38
4	4-Hepten-3-one, 2,6-dimethyl-	140	C9H16O	056259-14-4	38
5	Undecane, 3-methyl-	170	C12H26	001002-43-3	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

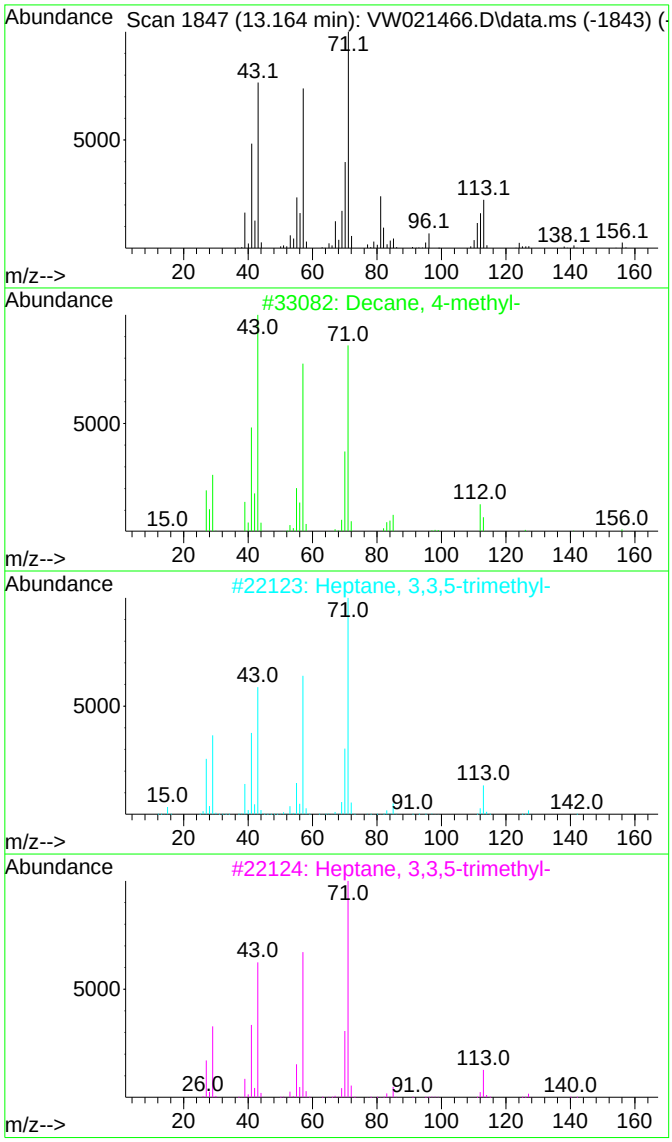
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

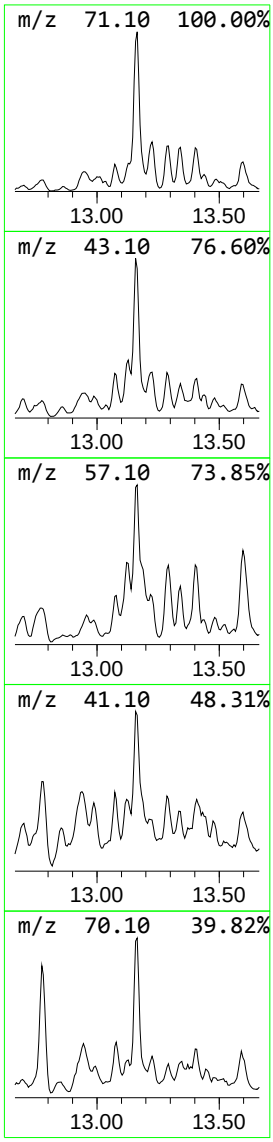
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	26.31 ug/L	356749	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	64
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
3	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	59
5	1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

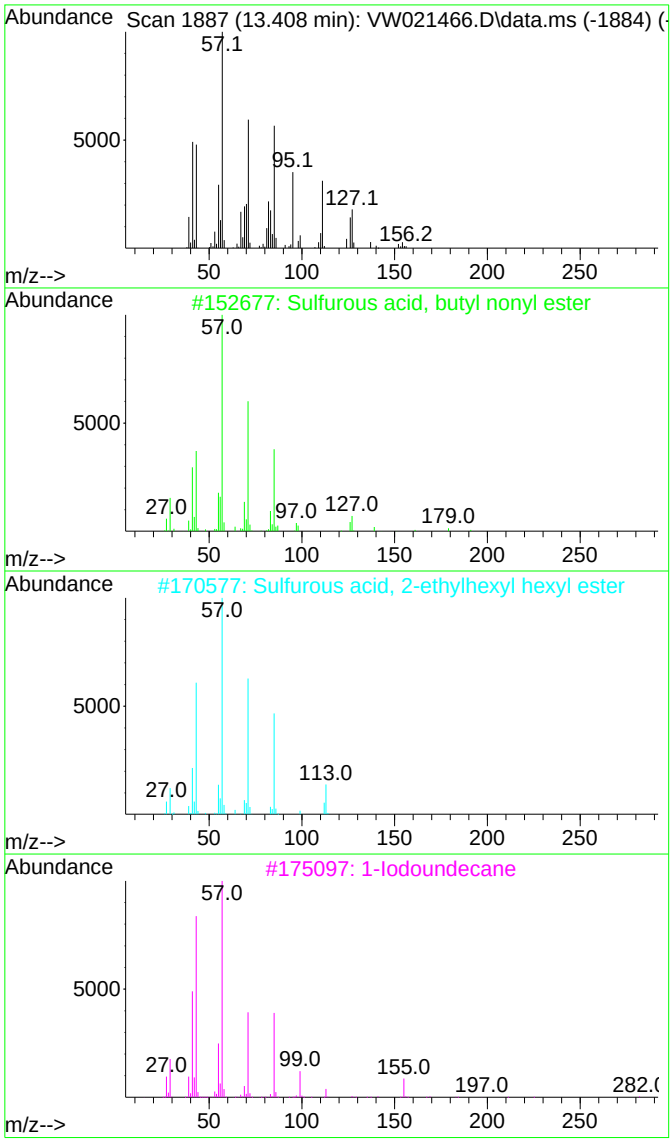
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

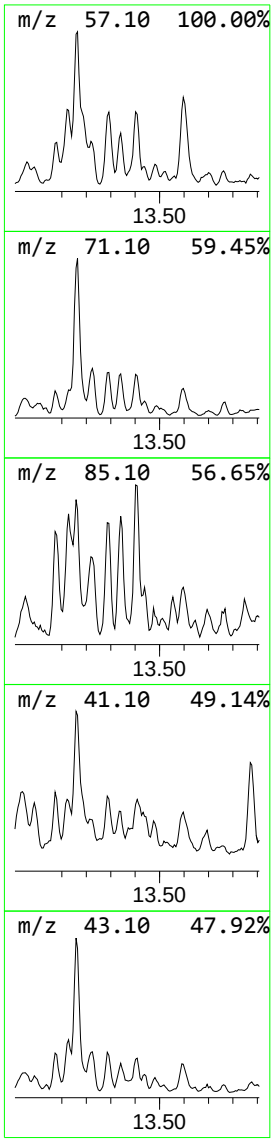
****

Peak Number 34 unknown-02 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.408	13.86 ug/L	187945	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	47
2	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	38
3	1-Iodoundecane	282	C11H23I	004282-44-4	38
4	5-Nonanol, trimethylacetate	228	C14H28O2	1000463-48-2	35
5	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

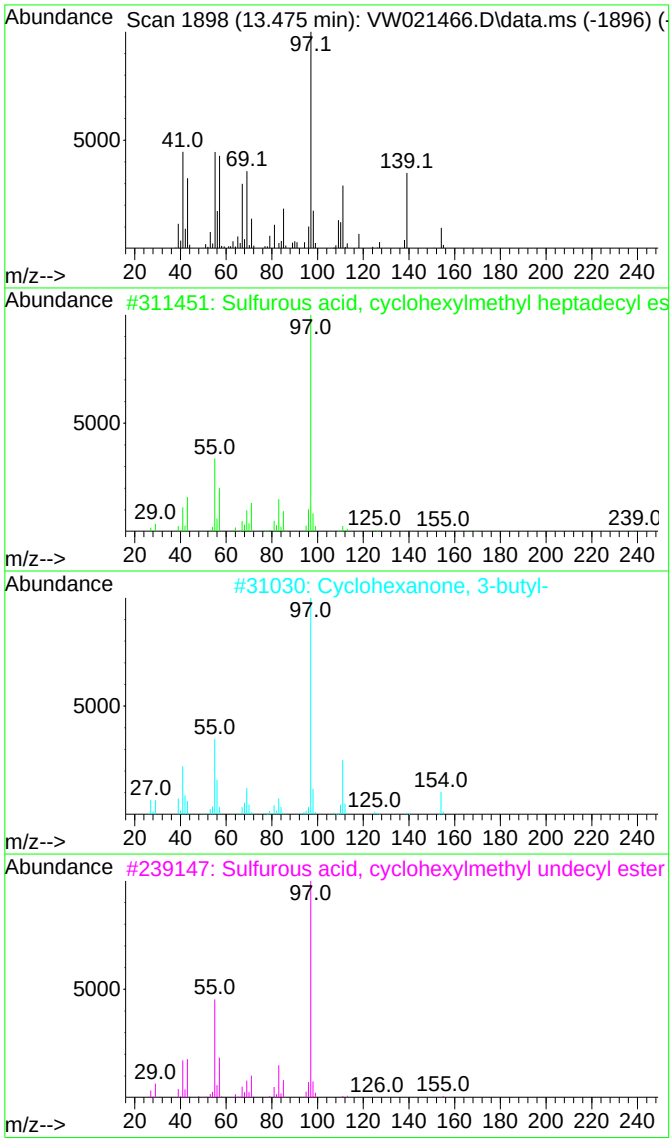
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

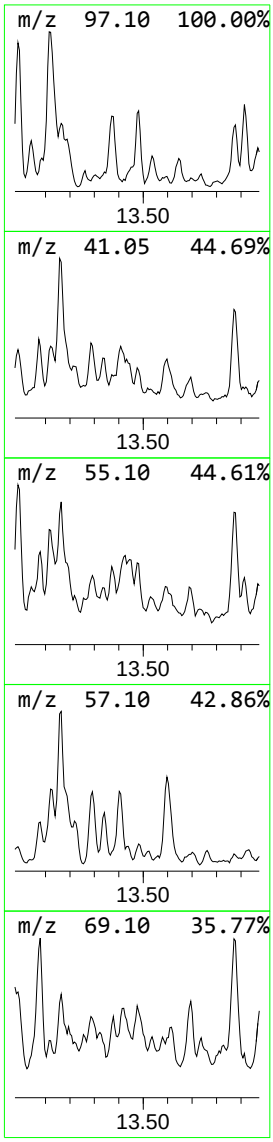
****

Peak Number 35 unknown-03 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.475	4.90 ug/L	66444	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	43
2	Cyclohexanone, 3-butyl-	154	C10H18O	039178-69-3	43
3	Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	38
4	Thiophene, 2-pentyl-	154	C9H14S	004861-58-9	38
5	Thiophene, 2-pentyl-	154	C9H14S	004861-58-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

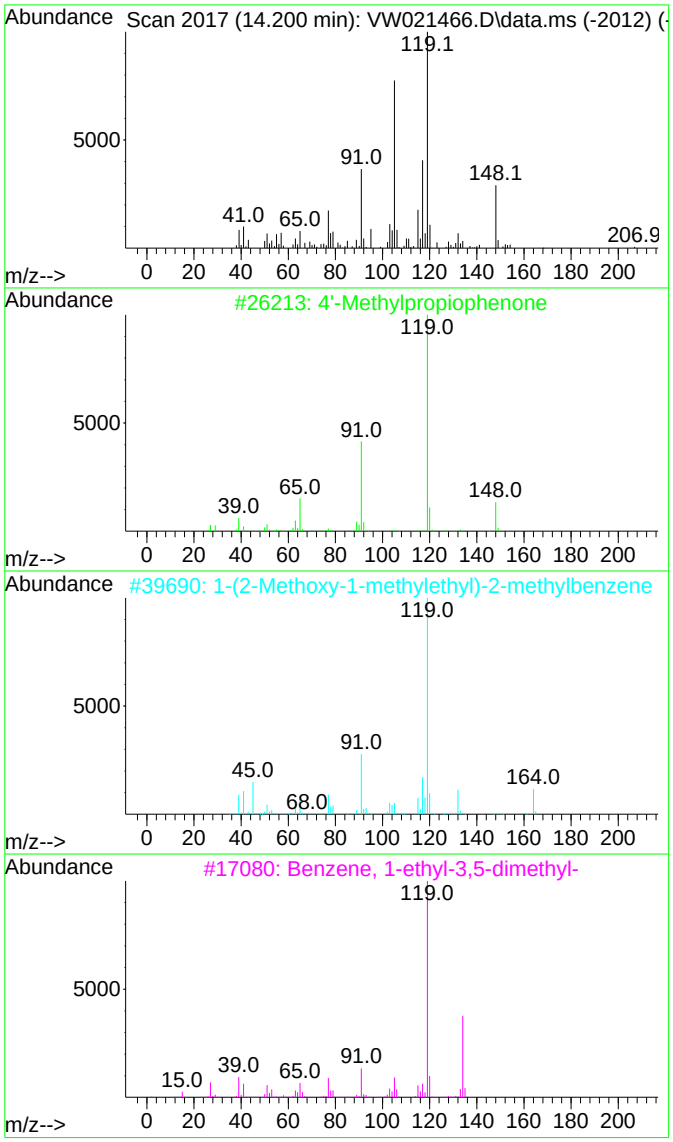
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

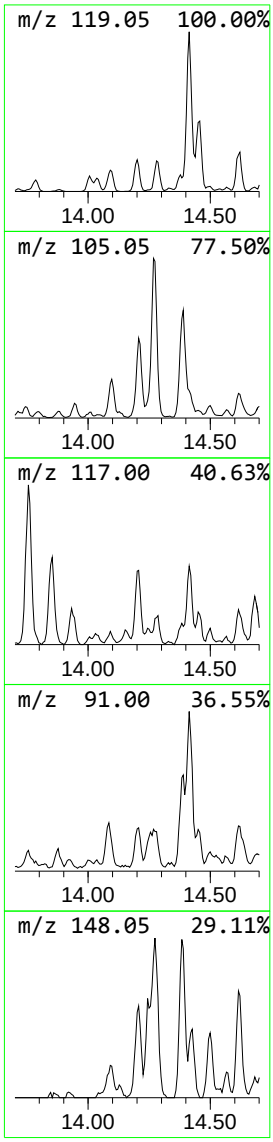
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 4'-Methylpropiophenone Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.201	6.95 ug/L	94231	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4'-Methylpropiophenone	148	C10H12O	005337-93-9	55
2	1-(2-Methoxy-1-methylethyl)-2-me...	164	C11H16O	1000210-02-1	50
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	49
4	2,5-Dimethylbenzyl chloride	154	C9H11Cl	000824-45-3	49
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

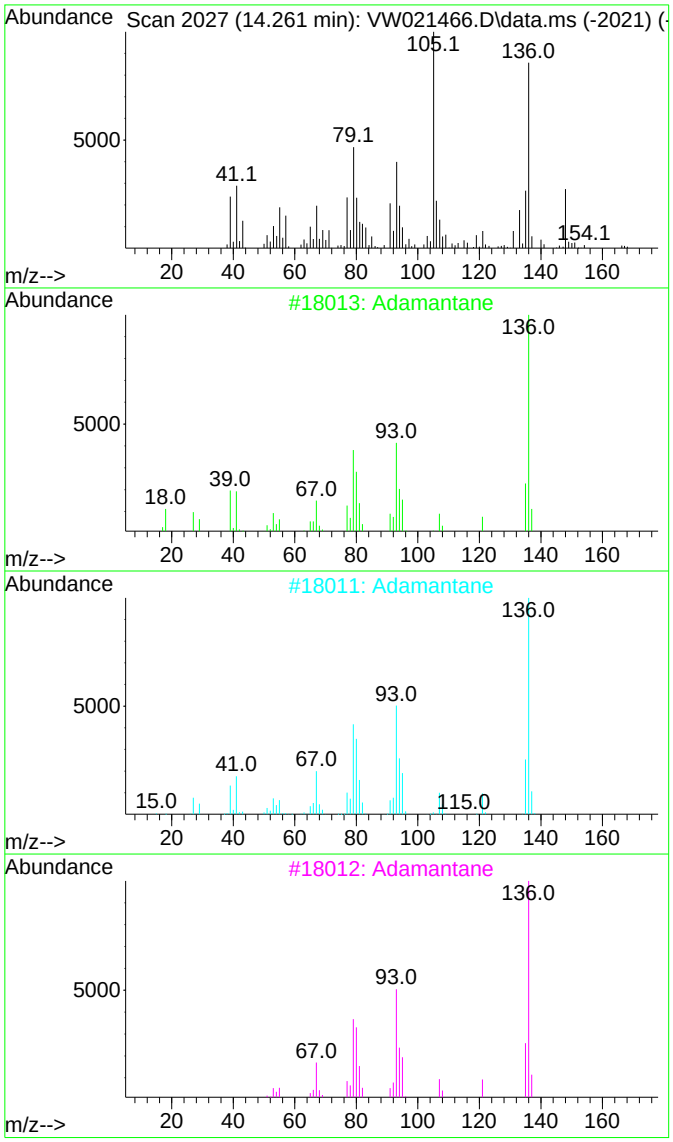
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

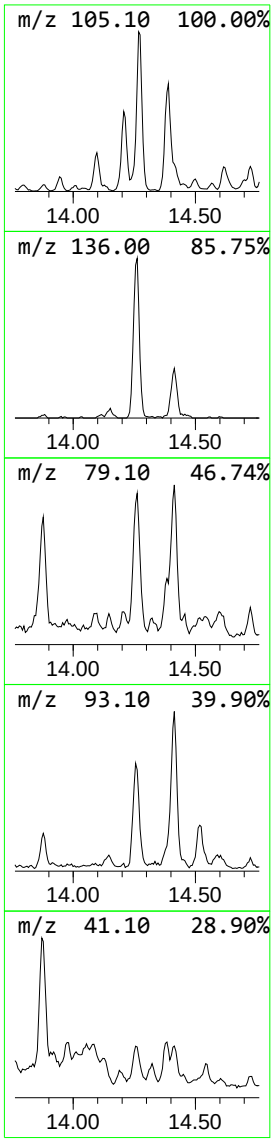
****

Peak Number 37 Adamantane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.262	16.81 ug/L	227929	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	90
2	Adamantane	136	C10H16	000281-23-2	76
3	Adamantane	136	C10H16	000281-23-2	64
4	Adamantane	136	C10H16	000281-23-2	58
5	Adamantane	136	C10H16	000281-23-2	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

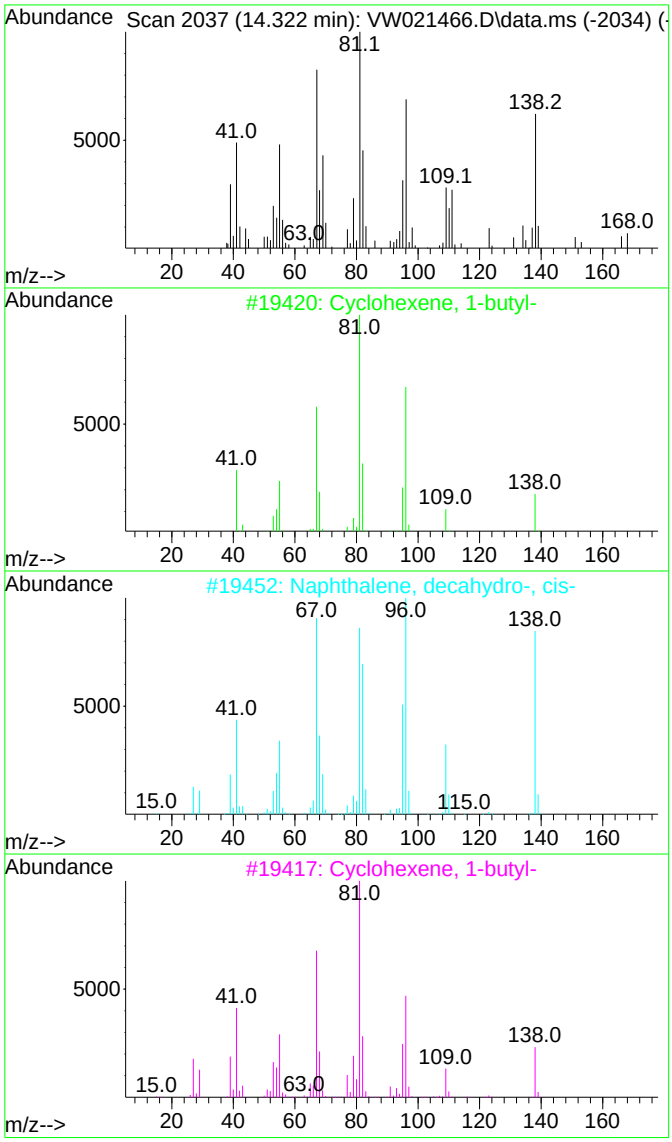
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

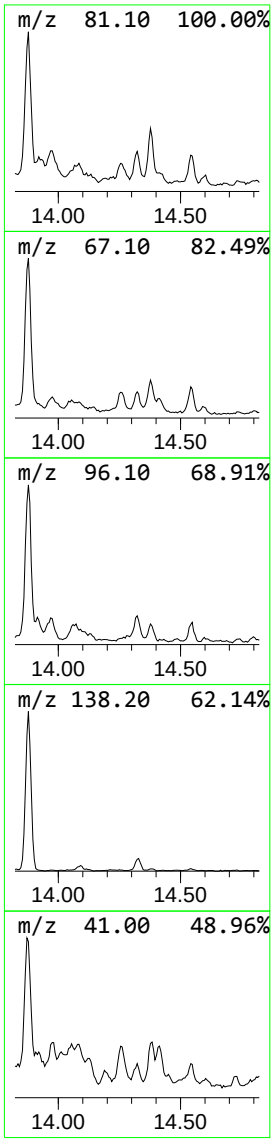
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Cyclohexene, 1-butyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.322	2.62 ug/L	35460	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	87
2	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	86
3	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	74
4	Naphthalene, decahydro-	138	C10H18	000091-17-8	55
5	Spiro[2.5]octane	110	C8H14	000185-65-9	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

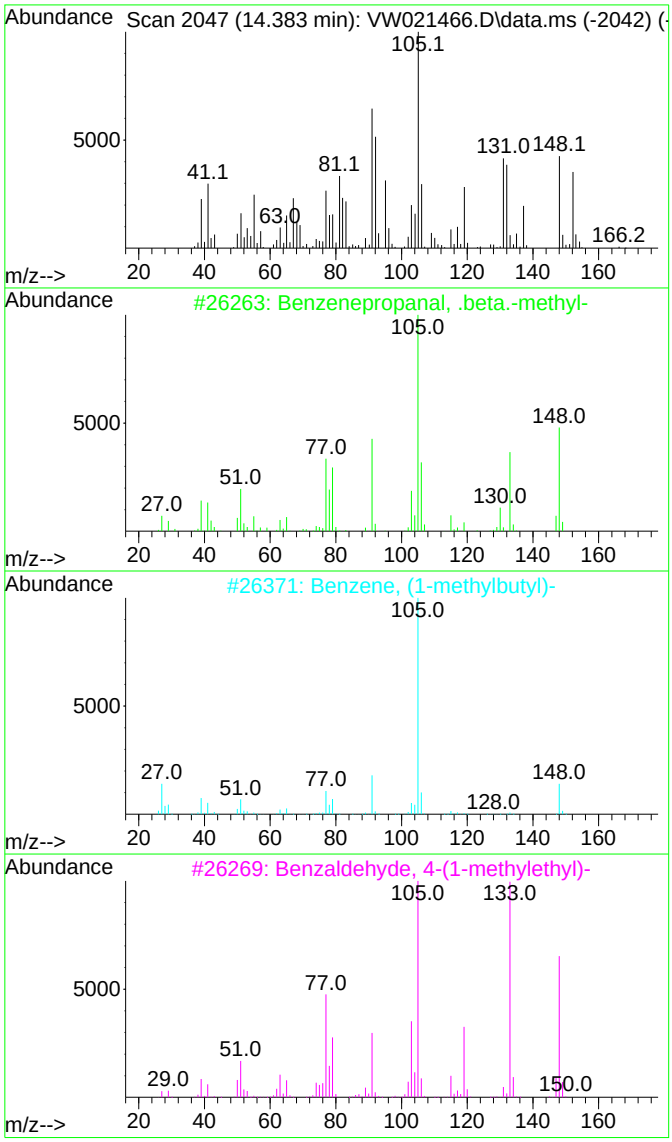
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

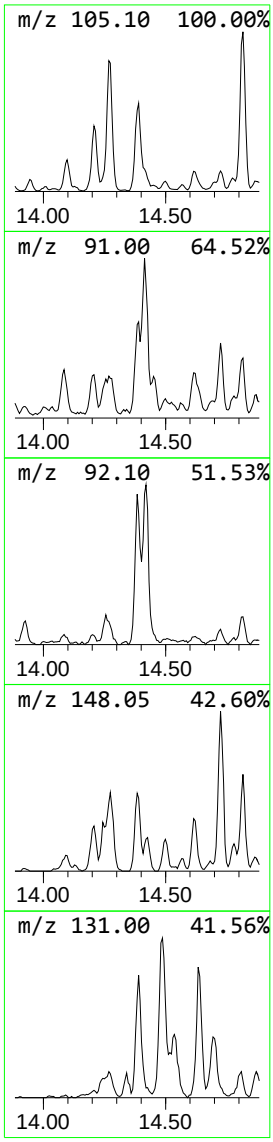
****

Peak Number 39 unknown-04 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	15.17 ug/L	205719	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenepropanal, .beta.-methyl-	148	C10H12O	016251-77-7	18
2	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	18
3	Benzaldehyde, 4-(1-methylethyl)-	148	C10H12O	000122-03-2	11
4	Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	11
5	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	11





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

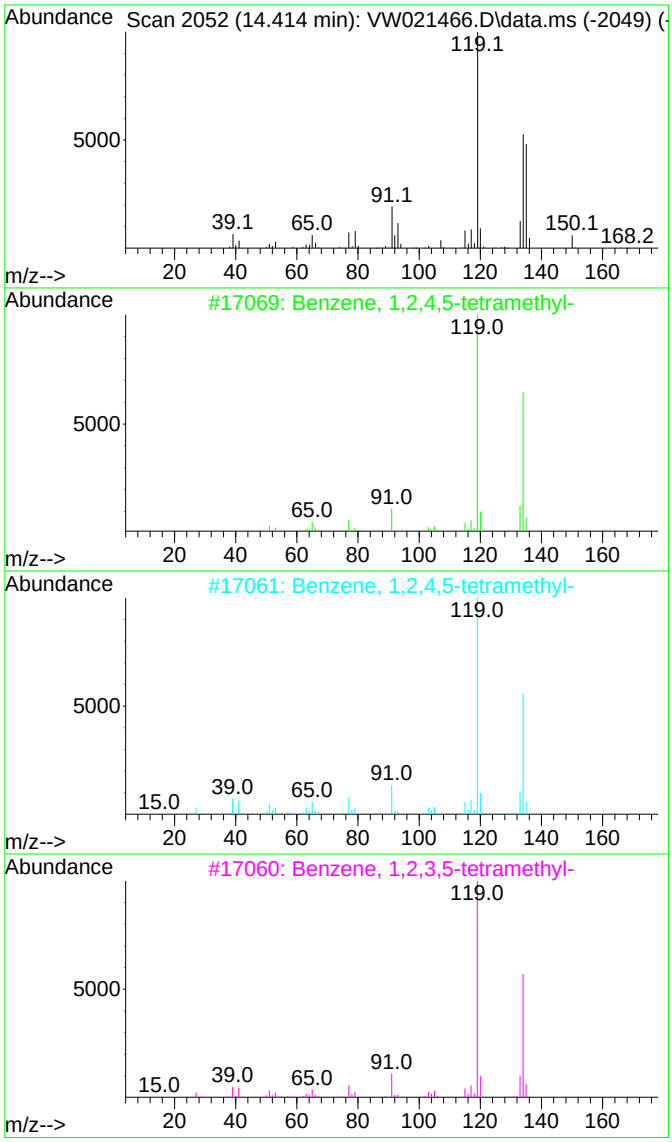
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

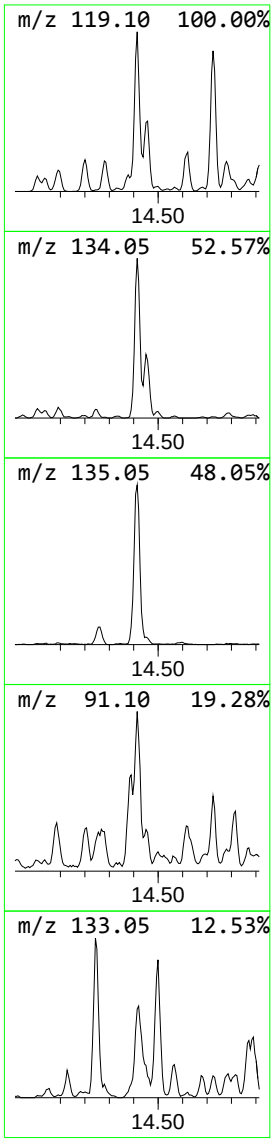
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.414	18.04 ug/L	244547	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	62
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

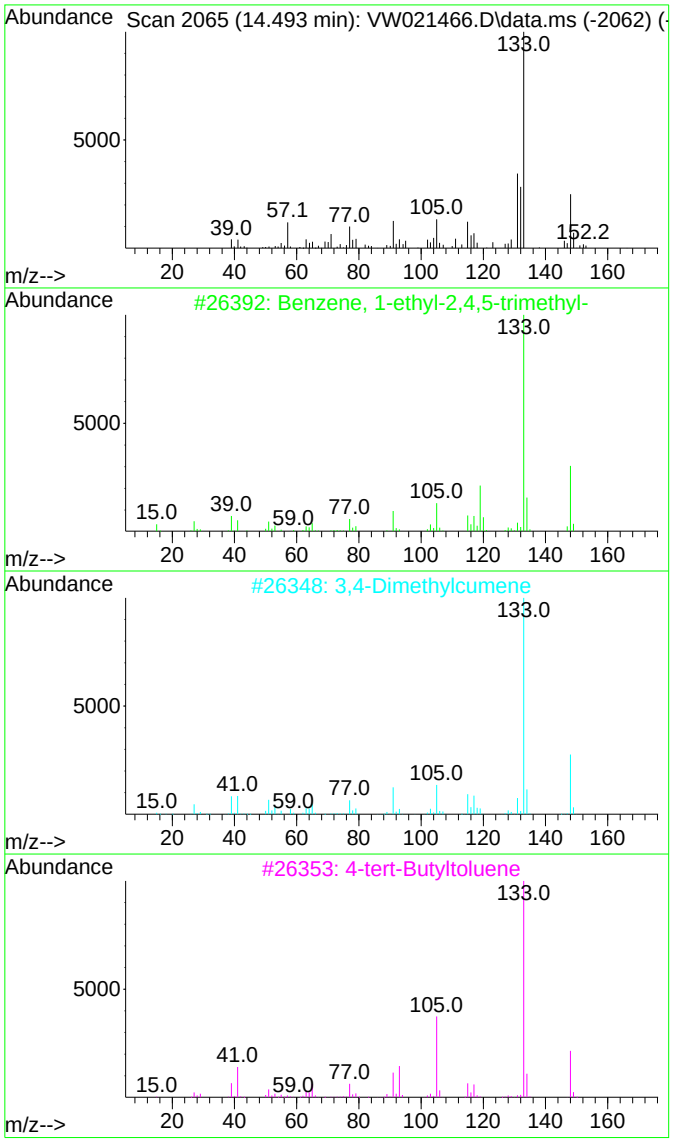
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

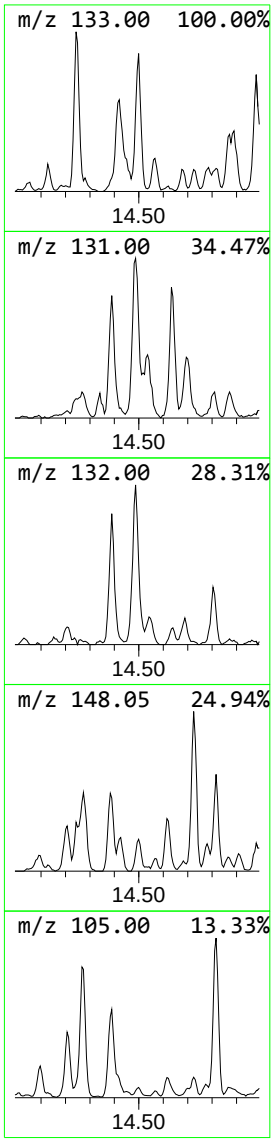
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 Benzene, 1-ethyl-2,4,5-trim... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.493	2.48 ug/L	33660	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	58
2	3,4-Dimethylcumene	148	C11H16	1000370-34-1	58
3	4-tert-Butyltoluene	148	C11H16	000098-51-1	58
4	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	53
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

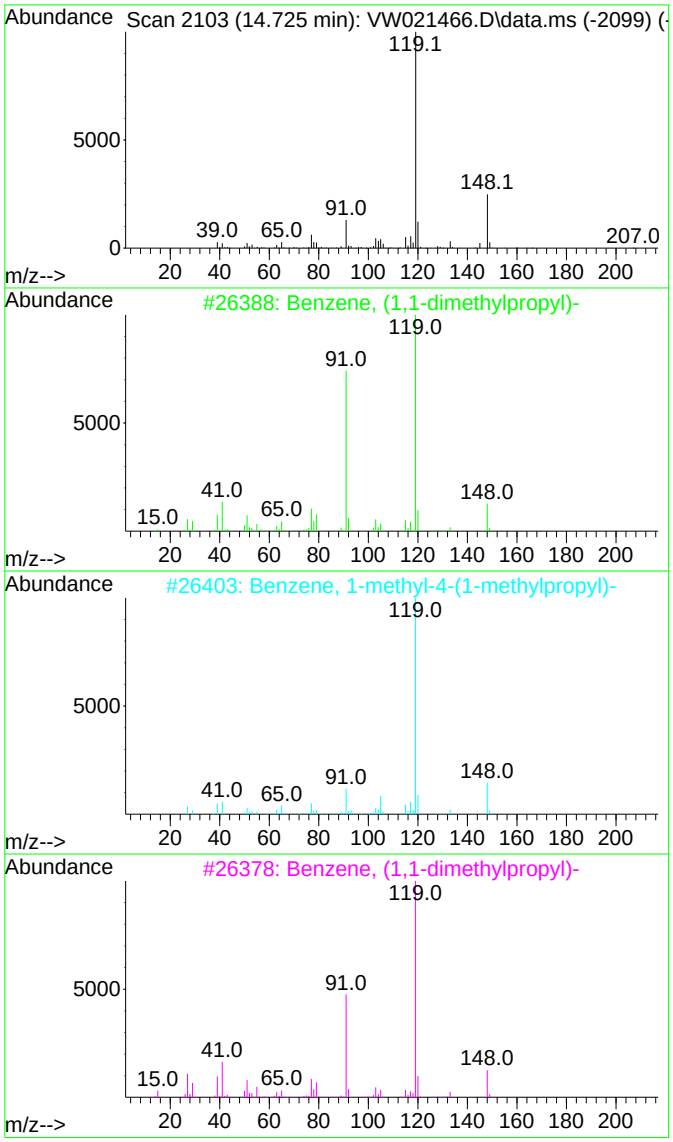
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

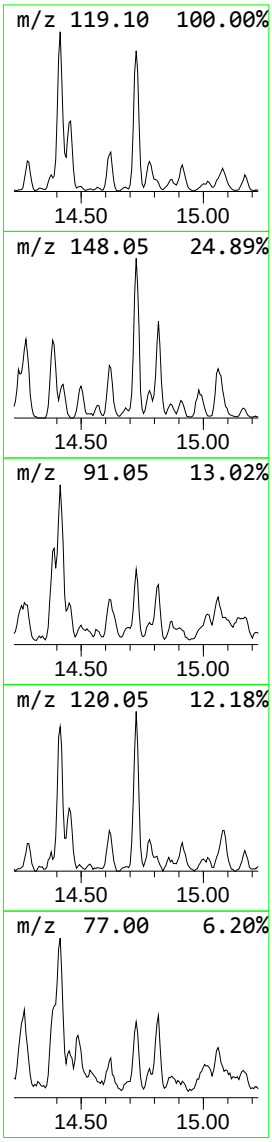
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 Benzene, (1,1-dimethylpropyl)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.725	10.68 ug/L	144739	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	91
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	91
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	90
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	64
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64





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Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

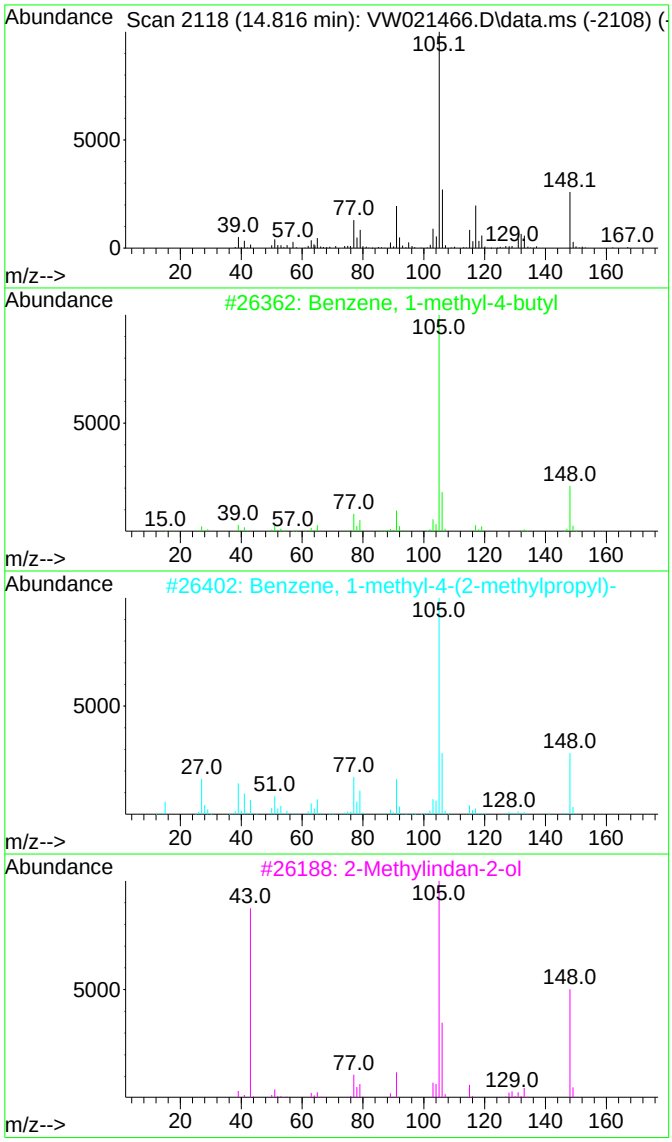
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

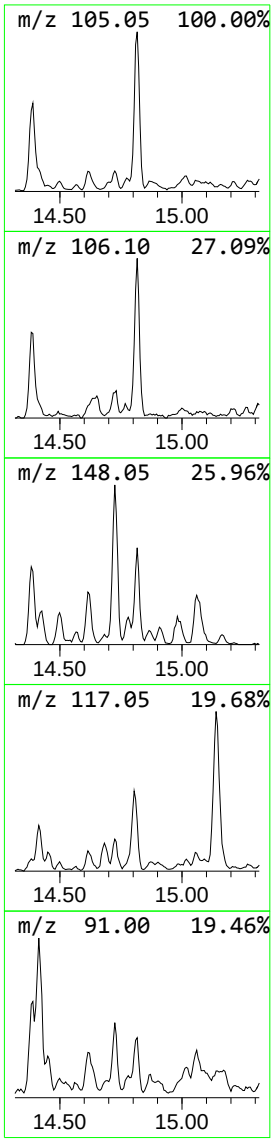
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 Benzene, 1-methyl-4-butyl Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.816	13.20 ug/L	178981	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-butyl	148	C11H16	001595-05-7	58
2	Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	58
3	2-Methylindan-2-ol	148	C10H12O	033223-84-6	52
4	2-Butanone, 4-phenyl-	148	C10H12O	002550-26-7	45
5	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

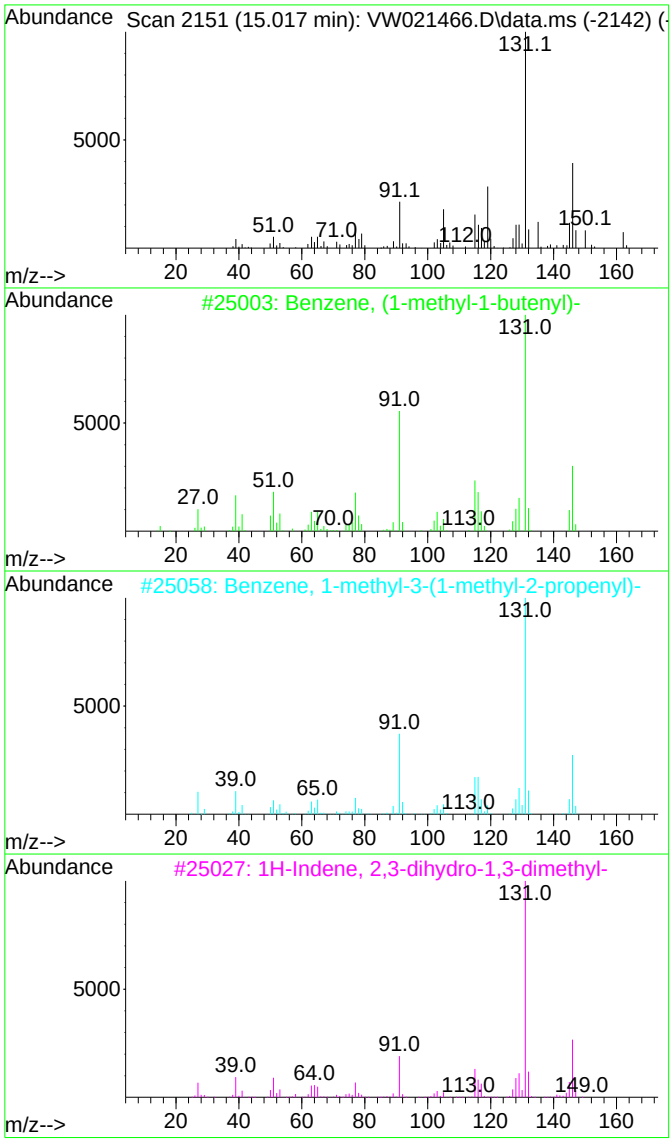
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

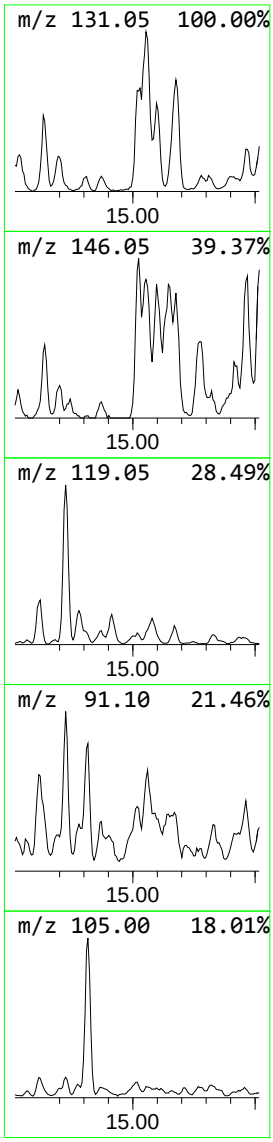
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 Benzene, (1-methyl-1-butenyl)- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.017	8.49 ug/L	115163	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	93
2	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	91
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	81
5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

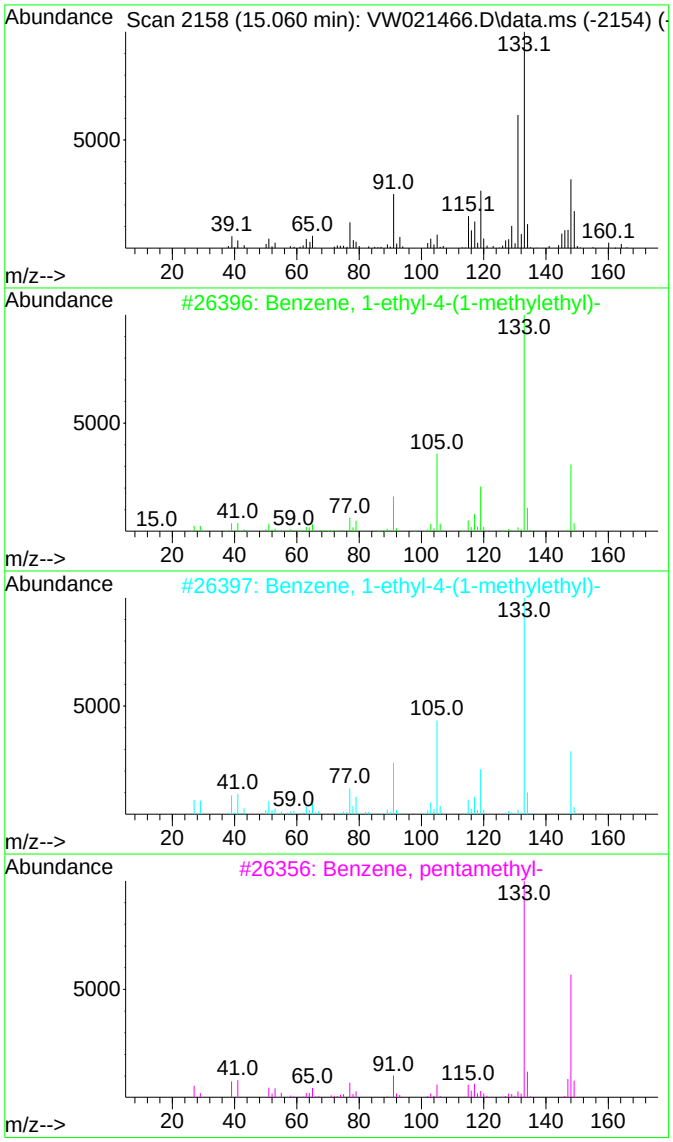
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

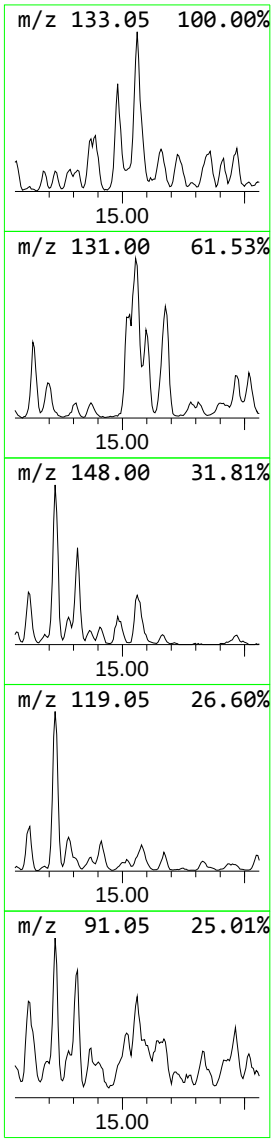
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	5.84 ug/L	79225	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	58
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	58
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	52
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	52
5	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

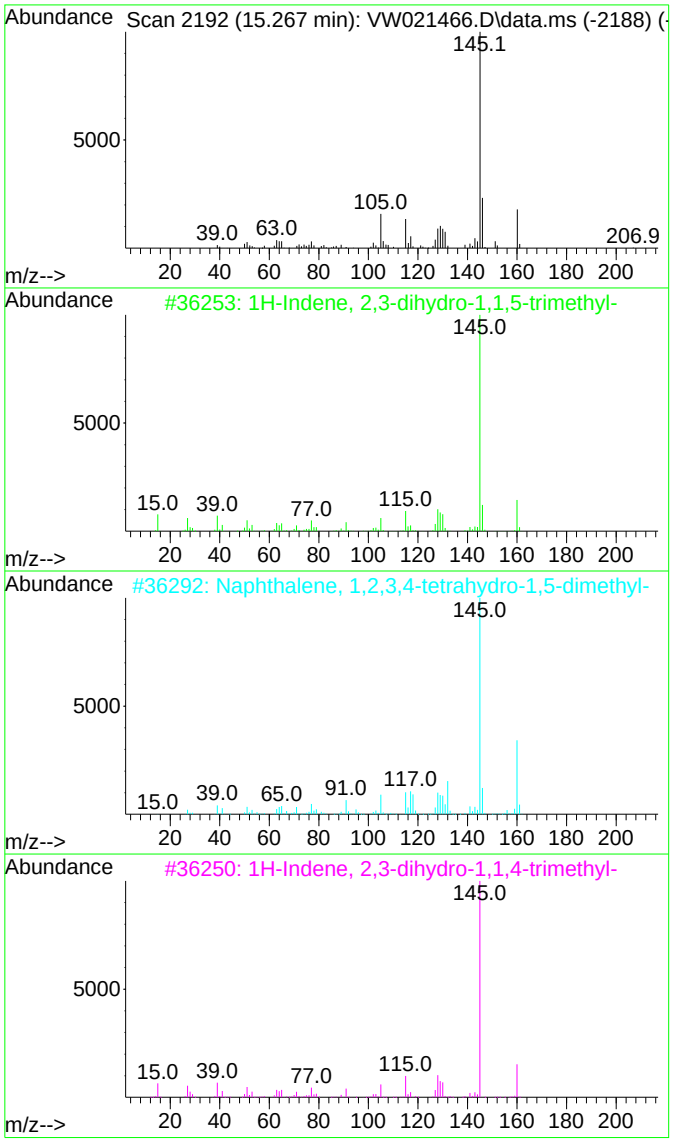
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

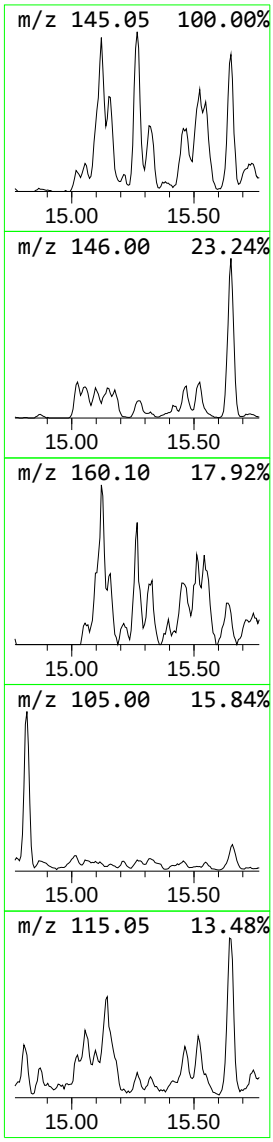
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.267	2.50 ug/L	33846	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	90
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	86
3	1H-Indene, 2,3-dihydro-1,1,4-tri...	160	C12H16	016204-72-1	81
4	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	81
5	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

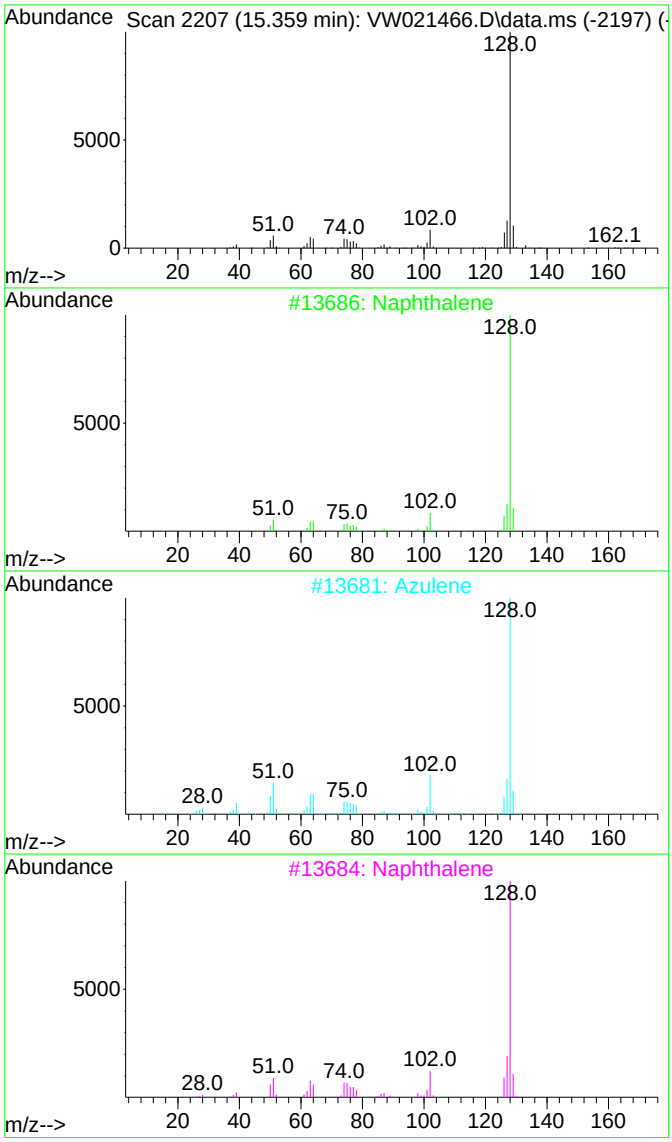
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

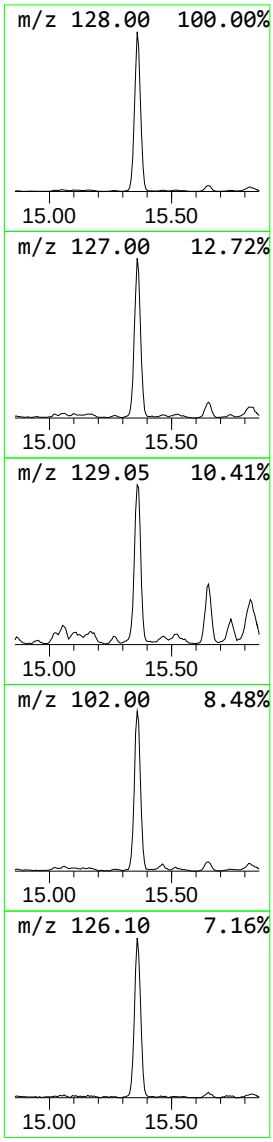
****

Peak Number 47 Azulene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.359	51.51 ug/L	698424	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Azulene	128	C10H8	000275-51-4	91
3	Naphthalene	128	C10H8	000091-20-3	91
4	Naphthalene	128	C10H8	000091-20-3	90
5	Naphthalene	128	C10H8	000091-20-3	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

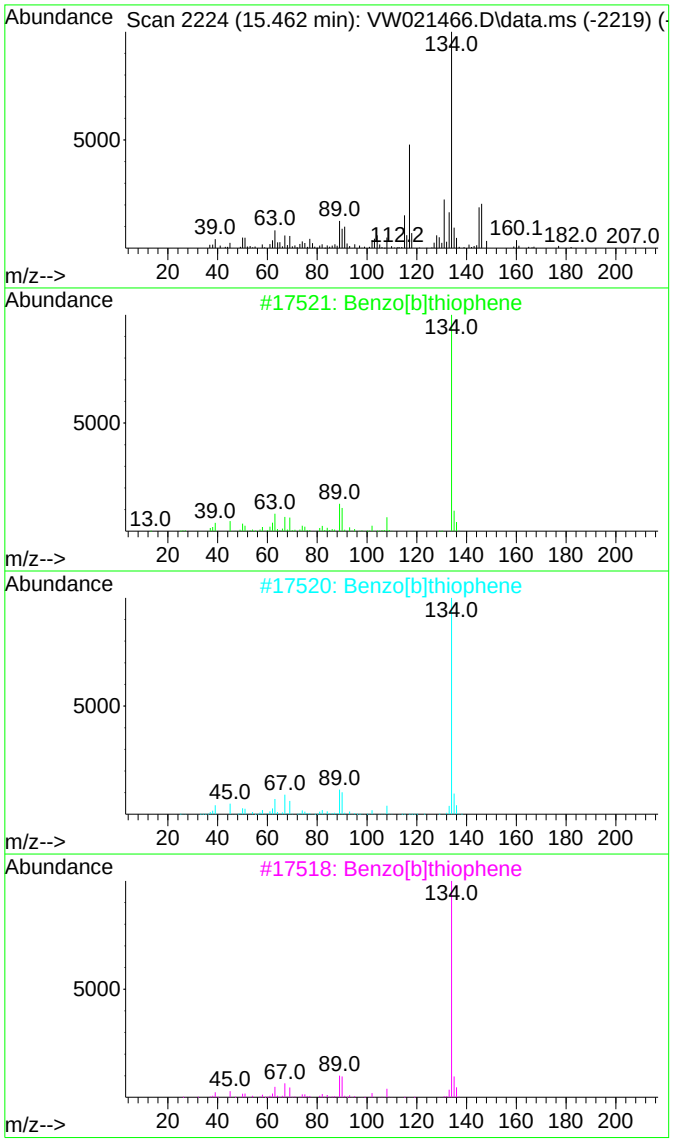
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

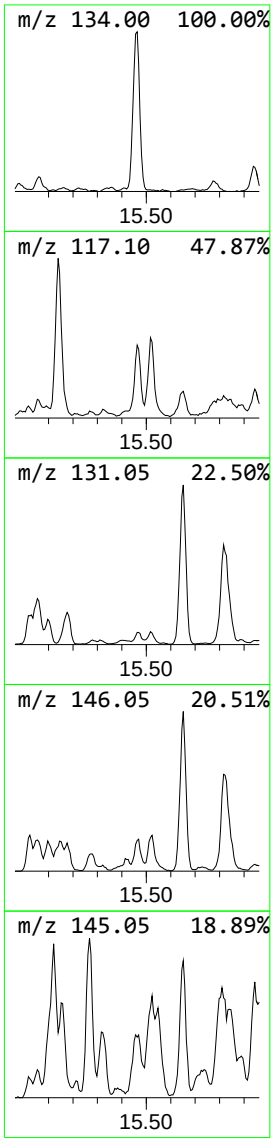
****

Peak Number 48 Benzo[b]thiophene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.463	7.71 ug/L	104522	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	90
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	50
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	50
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	50
5	Benzo[c]thiophene	134	C8H6S	000270-82-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

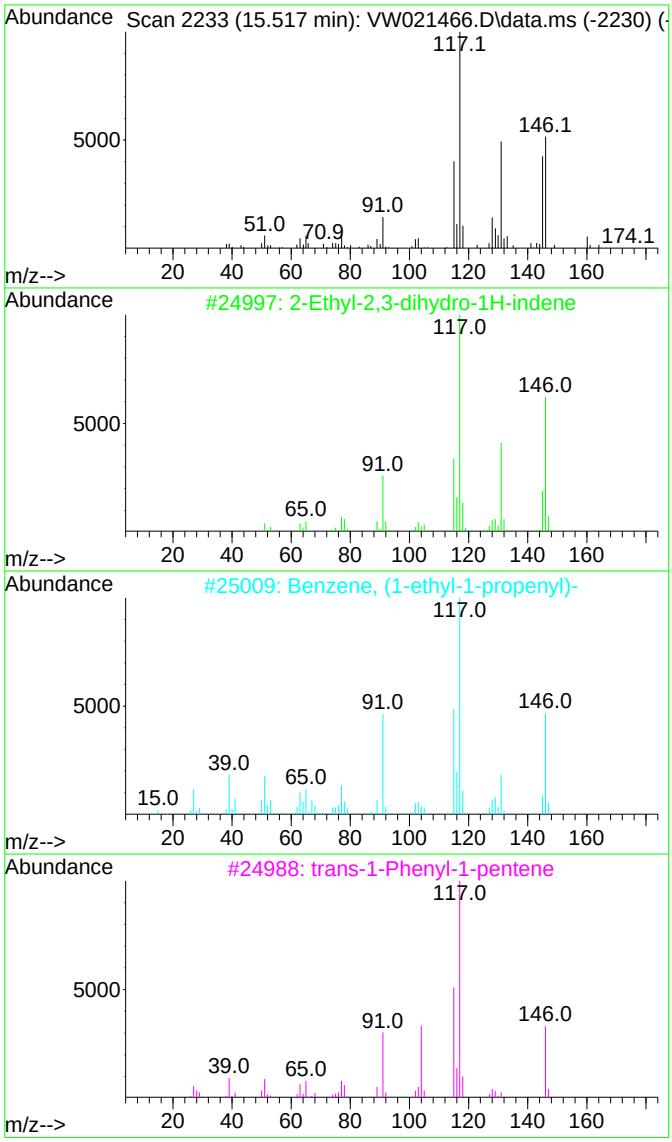
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

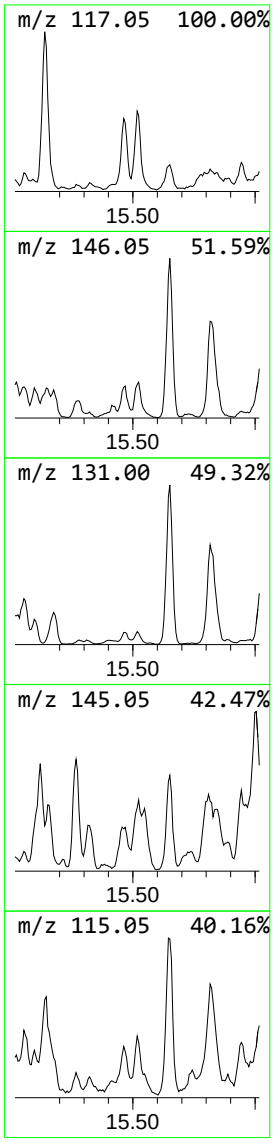
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 2-Ethyl-2,3-dihydro-1H-indene Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.517	2.30 ug/L	31121	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-2,3-dihydro-1H-indene	146	C11H14	056147-63-8	58
2	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	58
3	trans-1-Phenyl-1-pentene	146	C11H14	016002-93-0	52
4	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	50
5	1-Naphthalenol, 5,8-dihydro-	146	C10H10O	027673-48-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

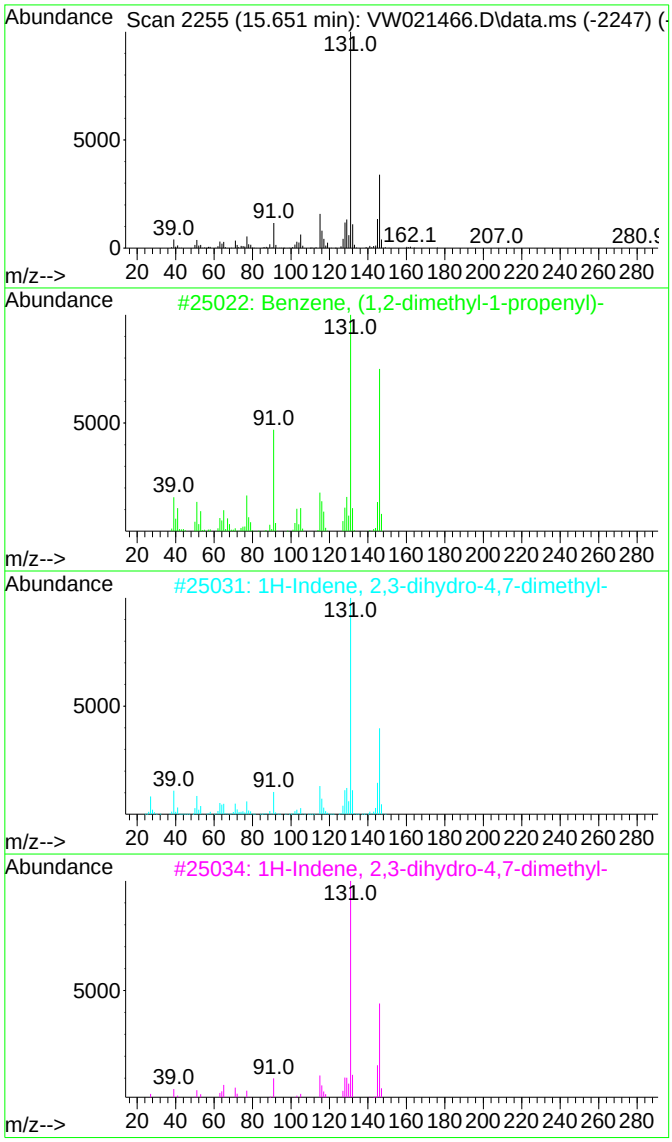
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

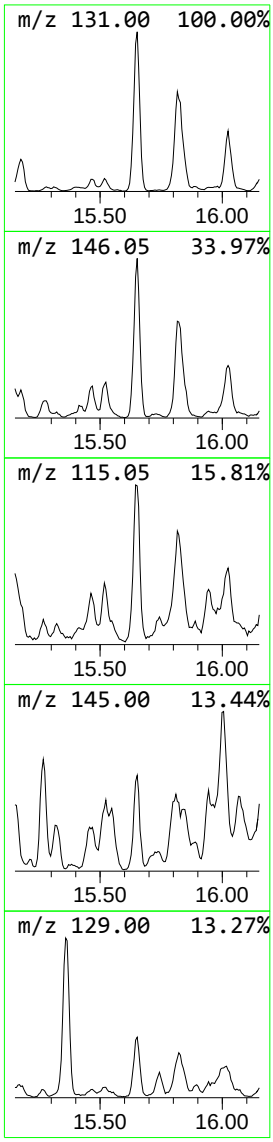
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	25.76 ug/L	349313	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	94
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	94
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

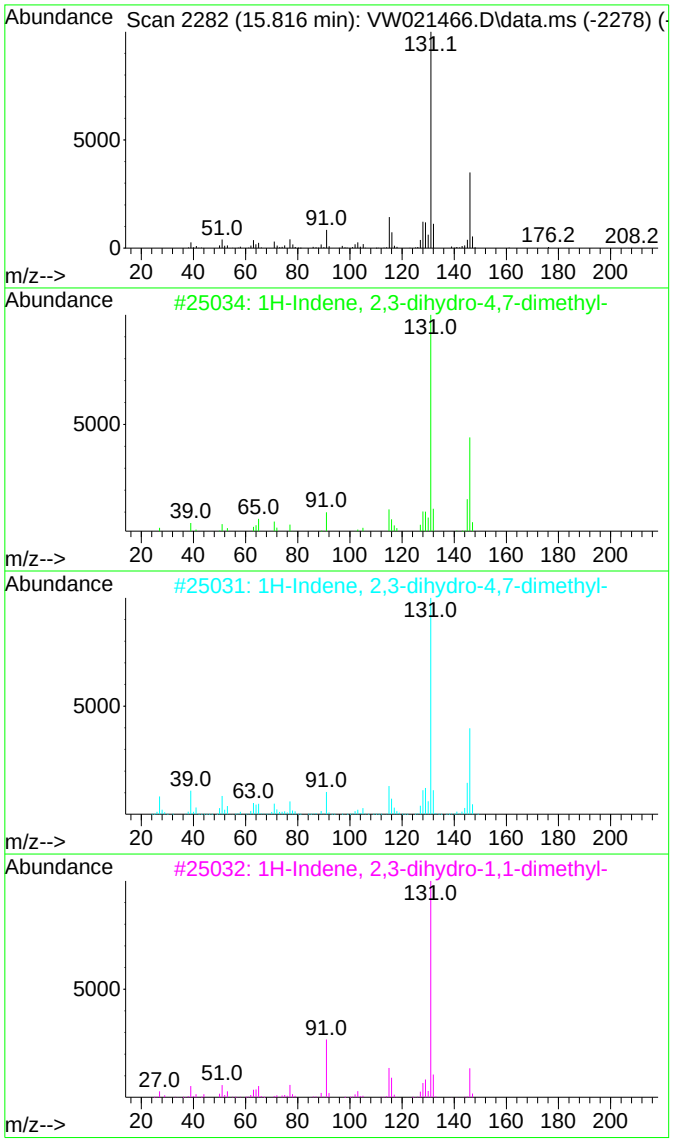
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

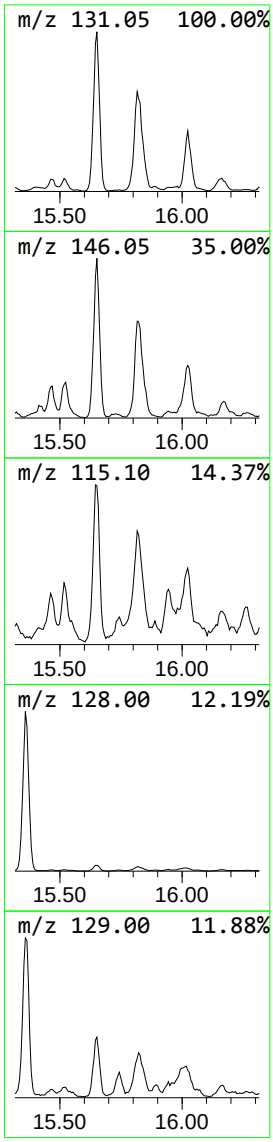
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.816	18.18 ug/L	246487	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
3	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	91
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

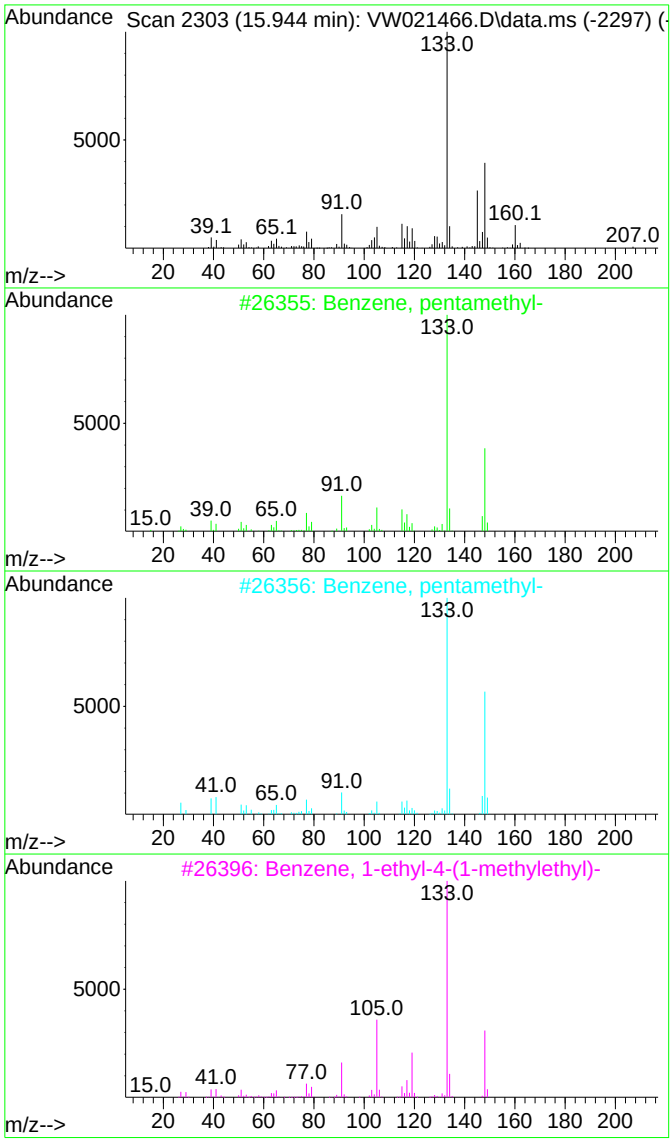
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

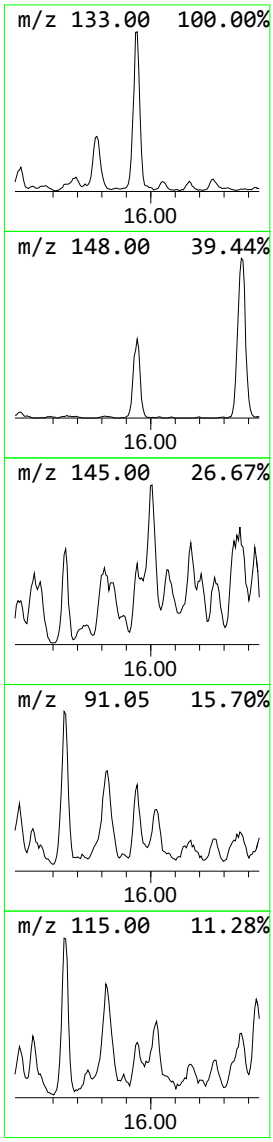
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 Benzene, pentamethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.944	11.10 ug/L	150458	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	94
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	81
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	76
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

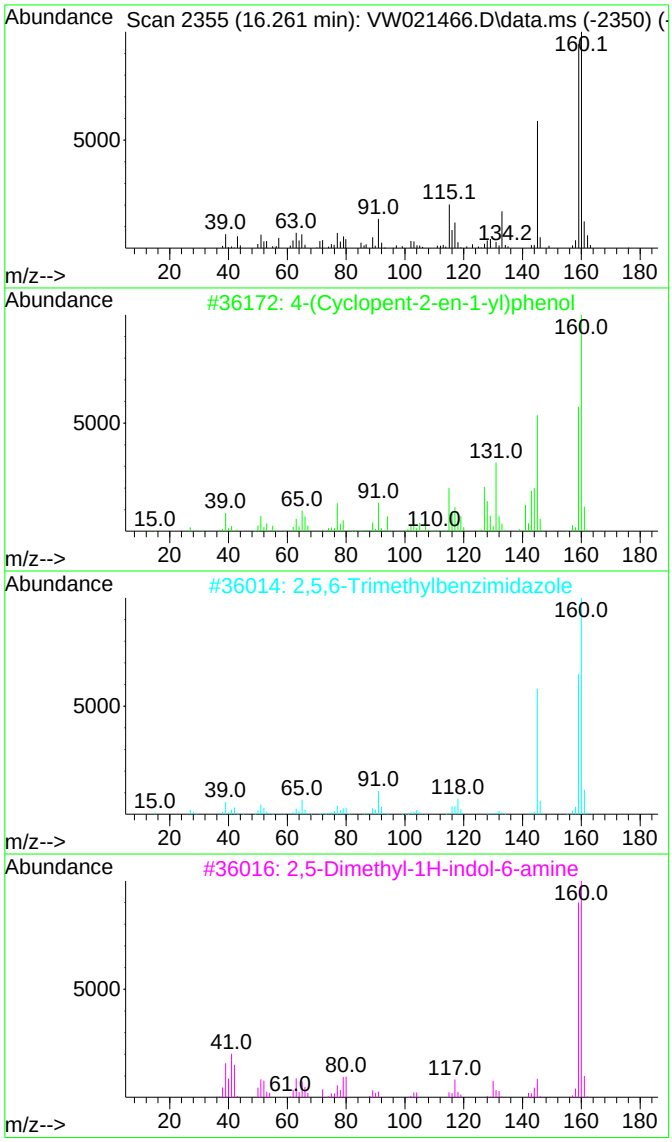
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

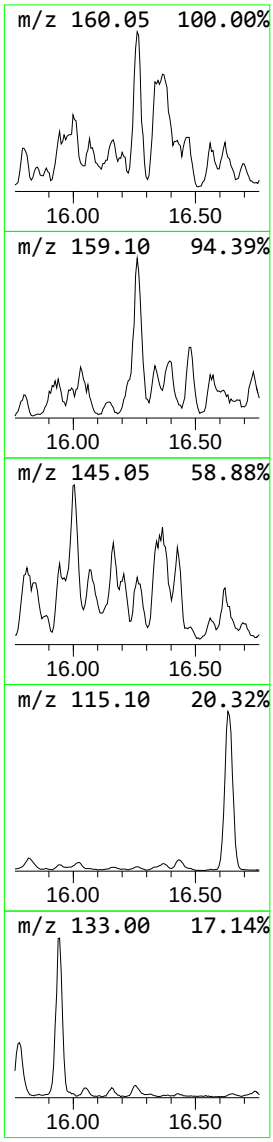
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 4-(Cyclopent-2-en-1-yl)phenol Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.261	5.80 ug/L	78701	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(Cyclopent-2-en-1-yl)phenol	160	C11H12O	006627-84-5	64
2	2,5,6-Trimethylbenzimidazole	160	C10H12N2	003363-56-2	64
3	2,5-Dimethyl-1H-indol-6-amine	160	C10H12N2	1000410-59-3	58
4	Thiophene, 3-phenyl-	160	C10H8S	002404-87-7	46
5	4-Chloro-3-fluoroanisole	160	C7H6ClFO	000501-29-1	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

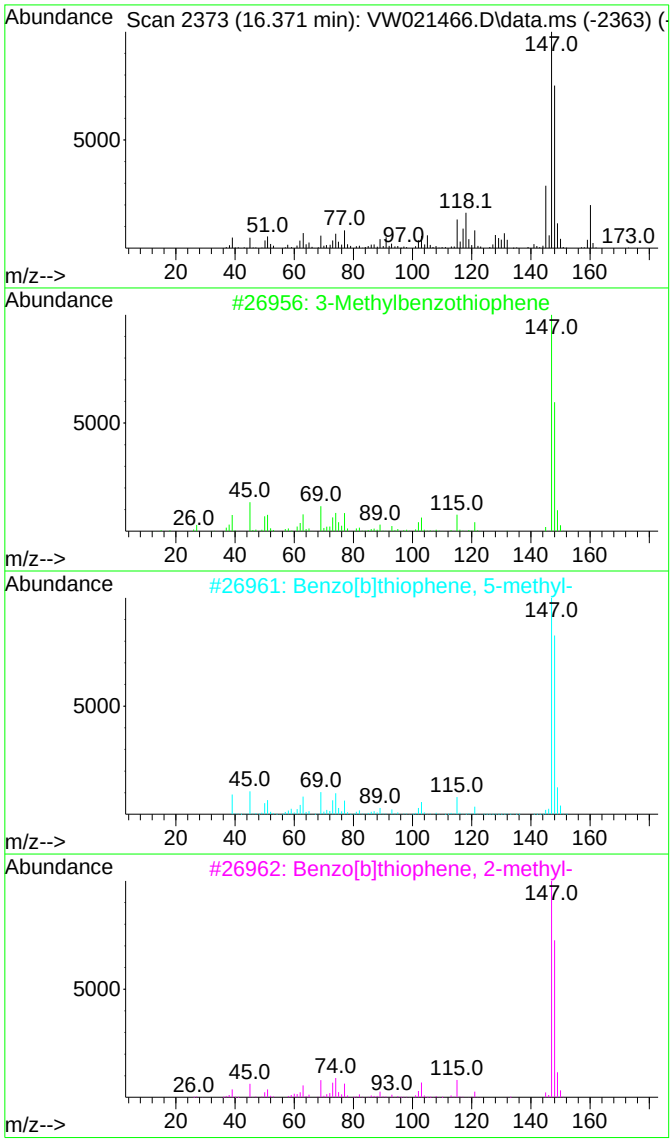
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

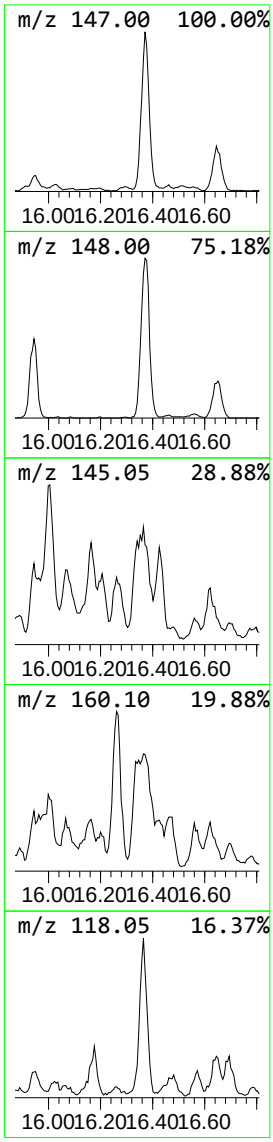
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 54 3-Methylbenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.371	21.66 ug/L	293728	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylbenzothiophene	148	C9H8S	001455-18-1	70
2	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	64
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	62
4	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	59
5	5-Methoxyindane	148	C10H12O	1000342-73-8	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021466.D
Acq On : 18 Dec 2021 11:05
Operator : SY/VA
Sample : M5154-04
Misc : 6.93g/10.0mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.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...	8.476	5.0	ug/L	54498	1	8.842	274383	25.0
(DEL) Alkane: S...	9.329	2.7	ug/L	29295	1	8.842	274383	25.0
(DEL) Alkane: S...	9.384	3.7	ug/L	40266	1	8.842	274383	25.0
(DEL) Alkane: S...	9.604	1.3	ug/L	14613	1	8.842	274383	25.0
(DEL) Alkane: S...	9.756	4.3	ug/L	47190	1	8.842	274383	25.0
(DEL) Alkane: S...	9.890	6.6	ug/L	72613	1	8.842	274383	25.0
(DEL) Alkane: S...	10.128	1.4	ug/L	15561	1	8.842	274383	25.0
(DEL) Alkane: S...	10.244	2.0	ug/L	28383	2	11.628	362418	25.0
(DEL) Alkane: C...	10.665	2.8	ug/L	40313	2	11.628	362418	25.0
(DEL) Alkane: C...	10.762	3.4	ug/L	49098	2	11.628	362418	25.0
(DEL) Alkane: S...	10.847	2.3	ug/L	33598	2	11.628	362418	25.0
(DEL) Alkane: S...	11.030	2.4	ug/L	35110	2	11.628	362418	25.0
(DEL) Alkane: C...	11.110	2.9	ug/L	42429	2	11.628	362418	25.0
(DEL) Alkane: C...	11.225	12.8	ug/L	185437	2	11.628	362418	25.0
(DEL) Alkane: S...	11.274	6.8	ug/L	99104	2	11.628	362418	25.0
unknown-01	11.335	2.9	ug/L	41901	2	11.628	362418	25.0
n-Propyl heptyl...	11.372	2.9	ug/L	41812	2	11.628	362418	25.0
(DEL) Alkane: C...	11.433	9.7	ug/L	139859	2	11.628	362418	25.0
(DEL) Alkane: C...	11.518	2.7	ug/L	39756	2	11.628	362418	25.0
(DEL) Alkane: C...	11.817	4.8	ug/L	69812	2	11.628	362418	25.0
(DEL) Alkane: C...	11.872	18.6	ug/L	269738	2	11.628	362418	25.0
(DEL) Alkane: C...	11.914	9.8	ug/L	141963	2	11.628	362418	25.0
(DEL) Alkane: S...	12.055	6.5	ug/L	94310	2	11.628	362418	25.0
(DEL) Alkane: C...	12.134	37.0	ug/L	536586	2	11.628	362418	25.0
(DEL) Alkane: S...	12.250	17.4	ug/L	253039	2	11.628	362418	25.0
(DEL) Alkane: C...	12.305	7.7	ug/L	111684	2	11.628	362418	25.0
(DEL) Alkane: C...	12.780	22.9	ug/L	310962	3	13.554	338963	25.0
(DEL) Alkane: C...	12.859	15.3	ug/L	207243	3	13.554	338963	25.0
(DEL) Alkane: S...	13.079	8.4	ug/L	113514	3	13.554	338963	25.0
(DEL) Alkane: C...	13.121	7.3	ug/L	99715	3	13.554	338963	25.0
(DEL) Alkane: S...	13.164	26.3	ug/L	356749	3	13.554	338963	25.0
unknown-02	13.408	13.9	ug/L	187945	3	13.554	338963	25.0
unknown-03	13.475	4.9	ug/L	66444	3	13.554	338963	25.0
4'-Methylpropio...	14.201	7.0	ug/L	94231	3	13.554	338963	25.0
Adamantane	14.262	16.8	ug/L	227929	3	13.554	338963	25.0
Cyclohexene, 1-...	14.322	2.6	ug/L	35460	3	13.554	338963	25.0
unknown-04	14.383	15.2	ug/L	205719	3	13.554	338963	25.0
Benzene, 1,2,4,...	14.414	18.0	ug/L	244547	3	13.554	338963	25.0
Benzene, 1-ethy...	14.493	2.5	ug/L	33660	3	13.554	338963	25.0
Benzene, (1,1-d...	14.725	10.7	ug/L	144739	3	13.554	338963	25.0
Benzene, 1-meth...	14.816	13.2	ug/L	178981	3	13.554	338963	25.0
Benzene, (1-met...	15.017	8.5	ug/L	115163	3	13.554	338963	25.0
Benzene, 1-ethy...	15.060	5.8	ug/L	79225	3	13.554	338963	25.0
1H-Indene, 2,3-...	15.267	2.5	ug/L	33846	3	13.554	338963	25.0
Azulene	15.359	51.5	ug/L	698424	3	13.554	338963	25.0
Benzo[b]thiophene	15.463	7.7	ug/L	104522	3	13.554	338963	25.0
2-Ethyl-2,3-dih...	15.517	2.3	ug/L	31121	3	13.554	338963	25.0
Benzene, (1,2-d...	15.651	25.8	ug/L	349313	3	13.554	338963	25.0
1H-Indene, 2,3-...	15.816	18.2	ug/L	246487	3	13.554	338963	25.0
Benzene, pentam...	15.944	11.1	ug/L	150458	3	13.554	338963	25.0
4-(Cyclopent-2-...	16.261	5.8	ug/L	78701	3	13.554	338963	25.0
3-Methylbenzoth...	16.371	21.7	ug/L	293728	3	13.554	338963	25.0

Instrument :
MSVOA_W
ClientSampleId :
BGL84