LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

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: VW021454.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	rVB	3974	6557	0.19%	0.027%
2	2.349	65	73	81	rBV	41439	68380	1.93%	0.282%
3	2.495	92	97	104	rVB	3995	7538	0.21%	0.031%
4	2.806	141	148	154	rBV	4949	9314	0.26%	0.038%
5	2.879	154	160	169	rVB	23919	46491	1.32%	0.192%
6	3.385	238	243	251	rBV2	472	985	0.03%	0.004%
7	3.684	287	292	299	rVV3	388	800	0.02%	0.003%
8	4.013	336	346	358	rBV	56228	159571	4.52%	0.658%
9	4.129	358	365	378	rVB2	5674	15382	0.44%	0.063%
10	4.385	396	407	419	rBV	3785	11280	0.32%	0.046%
11	4.915	480	494	509	rBV4	7996	28879	0.82%	0.119%
12	5.434	572	579	587	rBB3	989	2837	0.08%	0.012%
13	5.787	629	637	646	rVV3	1161	3496	0.10%	0.014%
14	5.934	652	661	673	rBB5	2623	8159	0.23%	0.034%
15	6.891	808	818	819	rBV5	1451	3438	0.10%	0.014%
16	7.080	839	849	858	rBV	11733	33894	0.96%	0.140%
17	7.647	932	942	958	rBB	85425	214273	6.06%	0.883%
18	7.921	979	987	998	rVB2	13098	30685	0.87%	0.126%
19	8.031	998	1005	1013	rVB4	3527	9234	0.26%	0.038%
20	8.153	1014	1025	1035	rBV2	26298	59745	1.69%	0.246%
21	8.275	1035	1045	1061	rBV2	164938	525675	14.87%	2.167%
22	8.427	1062	1070	1072	rBV7	3566	7951	0.22%	0.033%
23	8.476	1073	1078	1088	rVB	8626	23147	0.65%	0.095%
24	8.561	1089	1092	1093	rBV2	1266	1238	0.04%	0.005%
25	8.695	1106	1114	1121	rBV2	8079	15854	0.45%	0.065%
26	8.842	1129	1138	1148	rVV	186226	359546	10.17%	1.482%
27	9.073	1167	1176	1182	rBV3	3756	8490	0.24%	0.035%
28	9.140	1182	1187	1195	rVB2	1833	3550	0.10%	0.015%
29	9.274	1201	1209	1215	rVV	115410	238696	6.75%	0.984%
30	9.329	1215	1218	1223	rVV2	25950	48288	1.37%	0.199%
31	9.384	1223	1227	1235	rVV2	18159	34364	0.97%	0.142%
32	9.463	1236	1240	1244	rVV4	954	1820	0.05%	0.008%
33	9.506	1246	1247	1253	rVV4	793	1204	0.03%	0.005%
34	9.610	1253	1264	1270	rVB4	4078	12242	0.35%	0.050%
35	9.756	1280	1288	1299	rVB2	10639	22395	0.63%	0.092%
36	9.896	1302	1311	1316	rBV	24302	48596	1.38%	0.200%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

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	9.957	1316	1321	1324	rBV	47365	82925	2.35%	0.342%
38	10.036	1329	1334	1338	rVB	50690	78965	2.23%	0.325%
39	10.097	1338	1344	1357	rVB	67406	152040	4.30%	0.627%
40	10.244	1357	1368	1374	rBV	16722	36749	1.04%	0.151%
41	10.323	1374	1381	1395	rBV	287061	534096	15.11%	2.201%
42	10.445	1395	1401	1404	rBV3	3515	6471	0.18%	0.027%
43	10.494	1404	1409	1417	rVB5	10974	28813	0.82%	0.119%
44	10.579	1417	1423	1428	rBV2	43266	76933	2.18%	0.317%
45	10.664	1432	1437	1445	rBV3	25332	53490	1.51%	0.220%
46	10.762	1446	1453	1458	rBV4	14327	35520	1.01%	0.146%
47	10.841	1462	1466	1472	rVB2	18734	34240	0.97%	0.141%
48	10.927	1472	1480	1487	rBV3	75403	183153	5.18%	0.755%
49	11.000	1488	1492	1494	rBV	21298	33453	0.95%	0.138%
50	11.109	1506	1510	1514	rBV2	35776	62320	1.76%	0.257%
51	11.183	1517	1522	1525	rBV3	50263	86887	2.46%	0.358%
52	11.225	1525	1529	1534	rVB	61382	93752	2.65%	0.386%
53	11.274	1534	1537	1543	rVB2	36906	64959	1.84%	0.268%
54	11.335	1543	1547	1551	rBV3	49531	75542	2.14%	0.311%
55	11.408	1554	1559	1570	rVB3	118353	349527	9.89%	1.441%
56	11.512	1570	1576	1586	rVB	164707	288152	8.15%	1.188%
57	11.628	1589	1595	1604	rBV	292659	499326	14.13%	2.058%
58	11.725	1608	1611	1614	rBV2	20828	31274	0.88%	0.129%
59	11.762	1614	1617	1621	rVB	43549	54046	1.53%	0.223%
60	11.829	1621	1628	1632	rBV	539786	958908	27.13%	3.952%
61	11.872	1632	1635	1639	rVB	147981	201304	5.70%	0.830%
62	11.914	1639	1642	1647	rVB2	113110	183507	5.19%	0.756%
63	11.975	1648	1652	1654	rBV5	11394	17911	0.51%	0.074%
64	12.061	1658	1666	1671	rVB4	51237	120382	3.41%	0.496%
65	12.140	1671	1679	1680	rBV3	243732	441505	12.49%	1.820%
66	12.249	1694	1697	1701	rVB	136134	186254	5.27%	0.768%
67	12.304	1701	1706	1707	rBV3	87721	131444	3.72%	0.542%
68	12.341	1708	1712	1715	rVV	144335	284785	8.06%	1.174%
69	12.384	1716	1719	1723	rVB	194462	279478	7.91%	1.152%
70	12.646	1760	1762	1765	rVB	47546	47765	1.35%	0.197%
71	12.695	1765	1770	1775	rBV5	149813	253640	7.18%	1.045%
72	12.798	1780	1787	1792	rVB3	260974	668584	18.92%	2.756%
73	12.859	1792	1797	1801	rBV4	127155	251231	7.11%	1.035%
74	12.938	1804	1810	1815	rVV3	291429	641591	18.15%	2.644%
75	12.987	1815	1818	1823	rVB2	130197	198461	5.62%	0.818%
76	13.079	1829	1833	1835	rBV2	100470	155811	4.41%	0.642%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

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	13.164	1843	1847	1855	rVB2	196051	379375	10.73%	1.564%
78	13.249	1856	1861	1865	rBV	346936	513892	14.54%	2.118%
79	13.554	1907	1911	1915	rBV2	267138	441923	12.50%	1.821%
80	13.755	1938	1944	1949	rBV	2205176	3534236	100.00%	14.567%
81	13.877	1957	1964	1969	rVB3	343956	780434	22.08%	3.217%
82	14.091	1996	1999	2004	rVB2	129271	178279	5.04%	0.735%
83	14.200	2012	2017	2021	rBV2	268112	423141	11.97%	1.744%
84	14.255	2021	2026	2033	rVB4	127017	282532	7.99%	1.164%
85	14.334	2033	2039	2043	rBV4	52307	130113	3.68%	0.536%
86	14.414	2049	2052	2056	rVB	451164	549164	15.54%	2.263%
87	14.450	2056	2058	2062	rVV	263669	324949	9.19%	1.339%
88	14.493	2062	2065	2070	rVB3	131238	190913	5.40%	0.787%
89	14.633	2086	2088	2093	rVB	109606	141685	4.01%	0.584%
90	14.688	2093	2097	2100	rBV3	75293	141201	4.00%	0.582%
91	14.725	2100	2103	2108	rVB	123148	180920	5.12%	0.746%
92	14.804	2108	2116	2122	rBV3	221213	555996	15.73%	2.292%
93	15.060	2154	2158	2166	rBV4	118994	225252	6.37%	0.928%
94	15.359	2197	2207	2214	rBV	396249	759039	21.48%	3.128%
95	15.462	2219	2224	2229	rVV2	91178	157254	4.45%	0.648%
96	15.651	2247	2255	2262	rBV3	93663	222711	6.30%	0.918%
97	15.944	2299	2303	2308	rBV3	41114	72321	2.05%	0.298%
98	16.365	2364	2372	2378	rBV4	88784	249520	7.06%	1.028%
99	16.438	2378	2384	2399	rVB2	137044	409658	11.59%	1.688%
100	16.639	2408	2417	2430	rVB	1535923	3378808	95.60%	13.926%

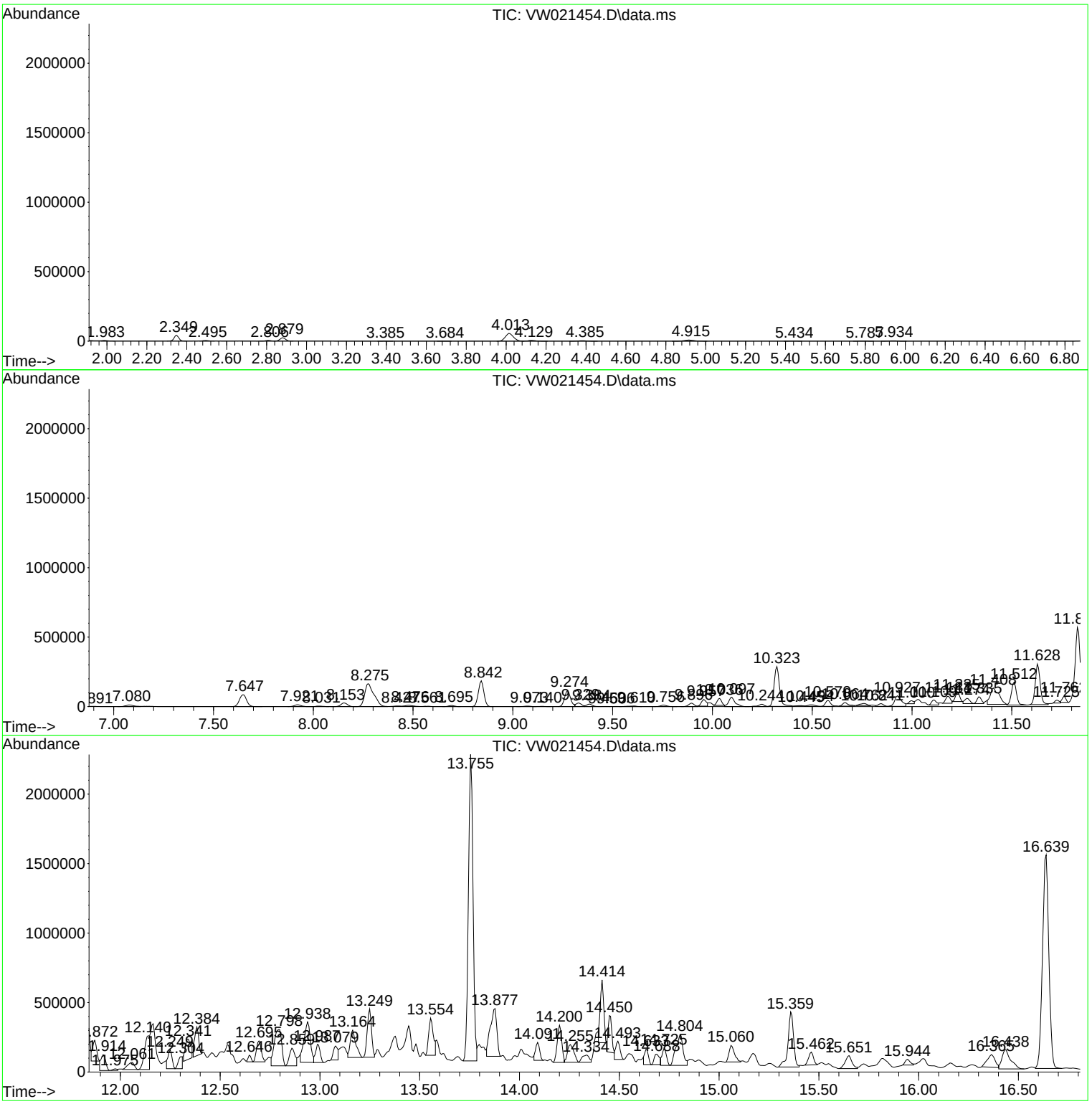
Sum of corrected areas: 24262504

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

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 : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

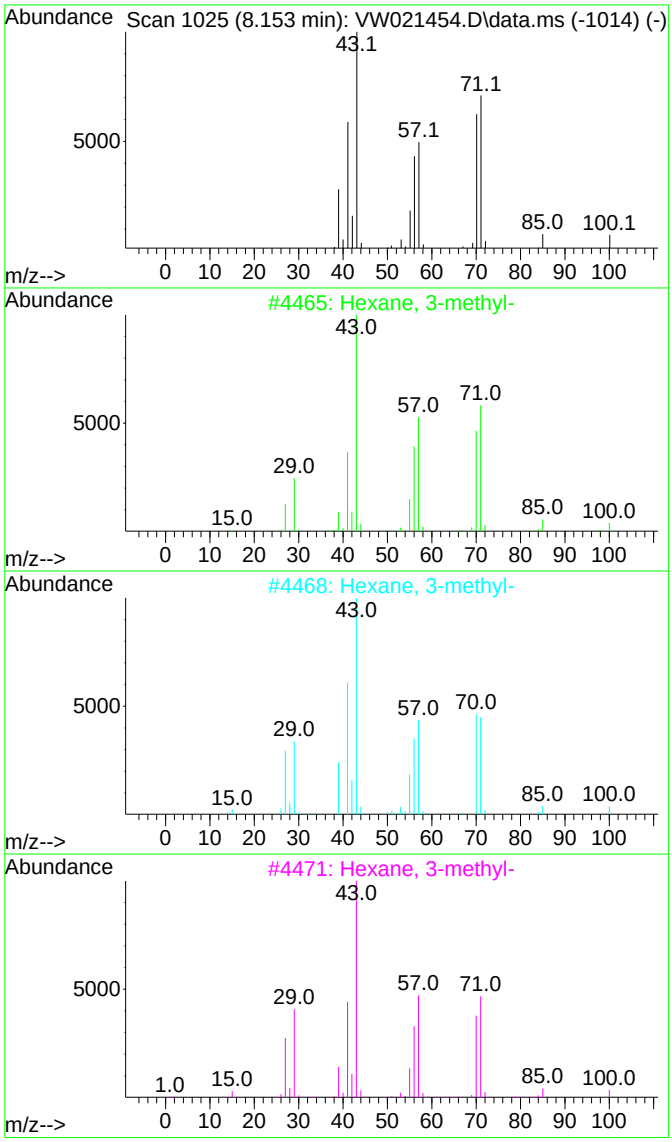
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

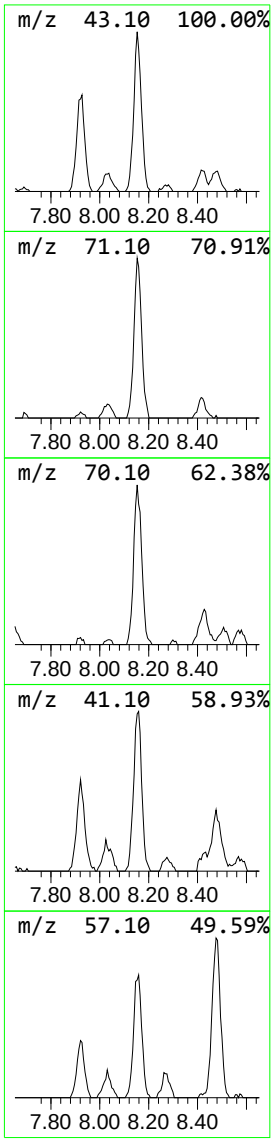
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.153	4.15 ug/L	59745	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	94
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	83
4	Heptane	100	C7H16	000142-82-5	64
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

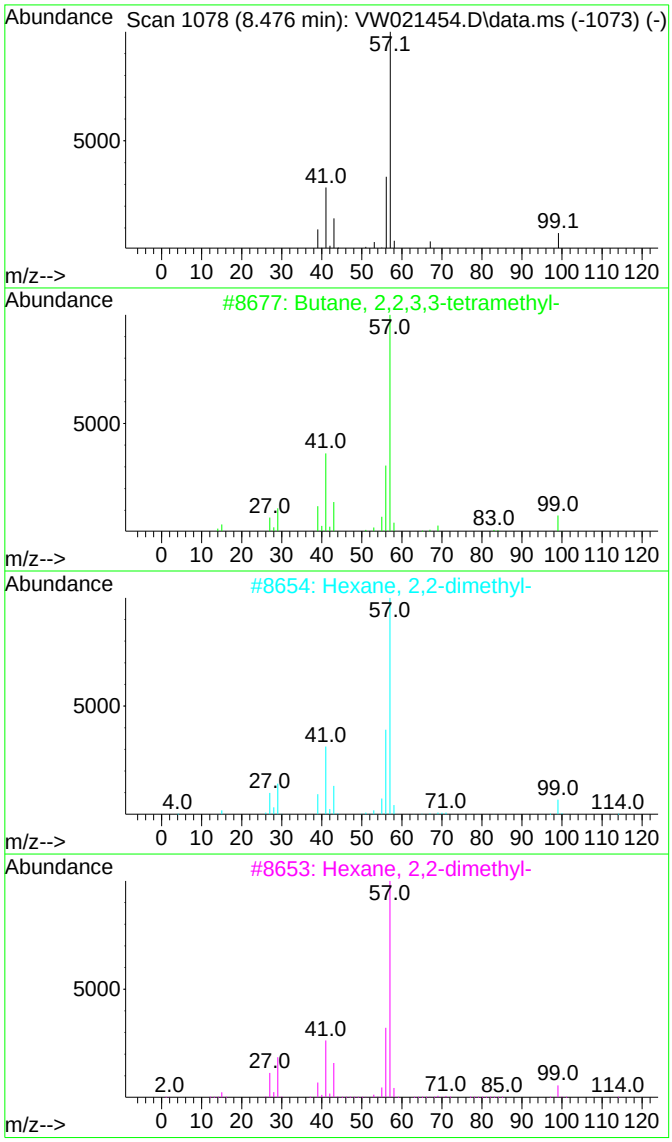
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

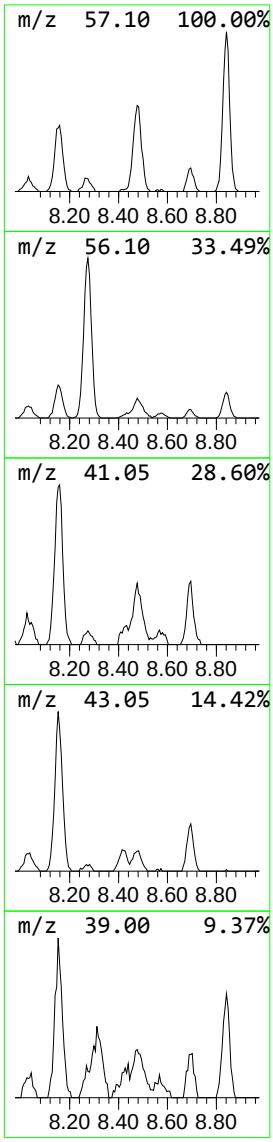
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.476	1.61 ug/L	23147	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	64
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	56
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	56
4	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	50
5	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

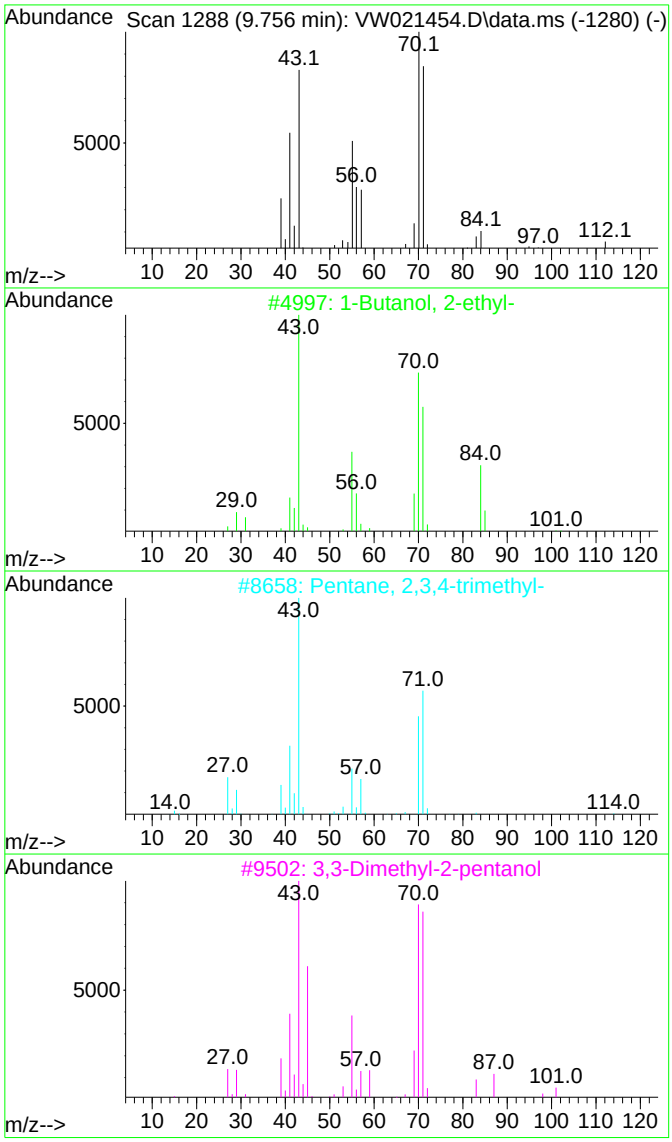
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

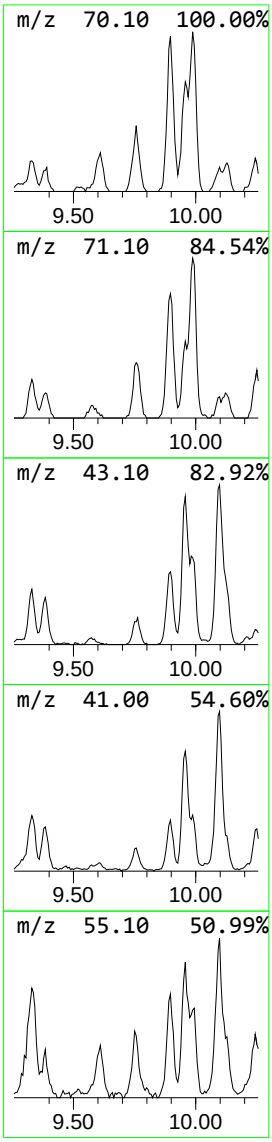
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1-Butanol, 2-ethyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.756	1.56 ug/L	22395	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	78
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64
3	3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	59
4	1-Hexene, 4-ethyl-	112	C8H16	016746-85-3	58
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

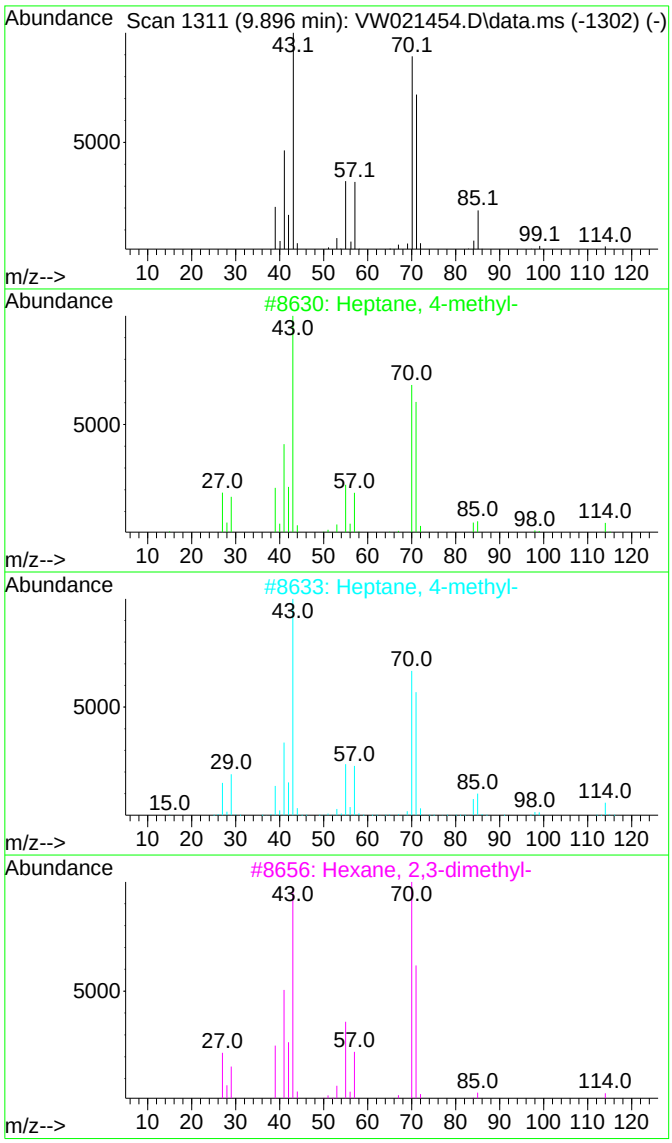
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

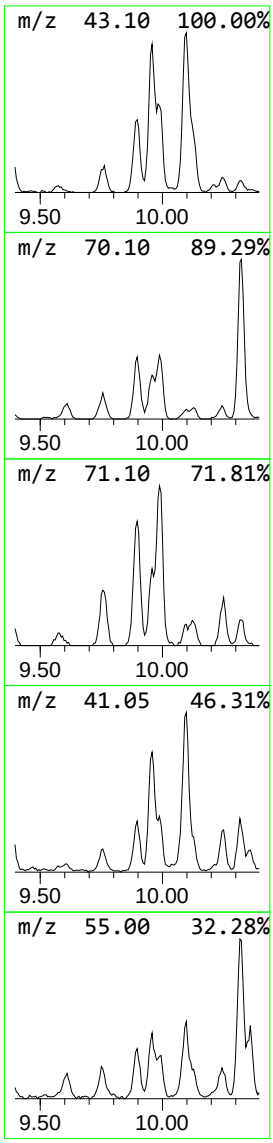
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.896	3.38 ug/L	48596	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-methyl-	114	C8H18	000589-53-7	86
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	83
3	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	80
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	78
5	Diisoamyl ether	158	C10H22O	000544-01-4	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

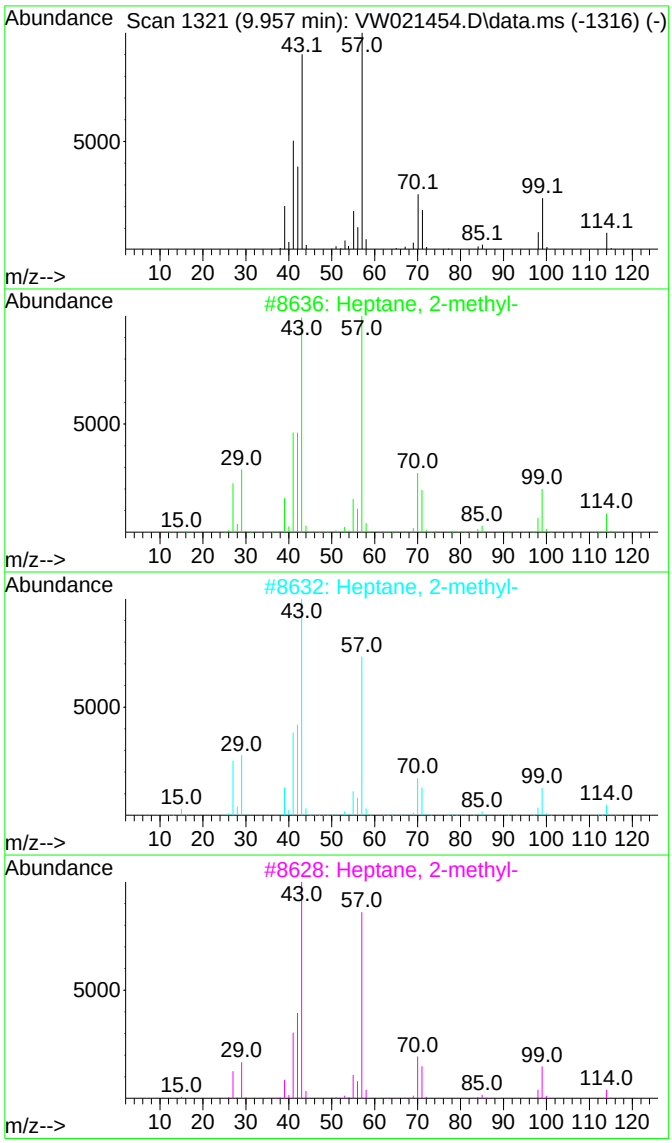
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

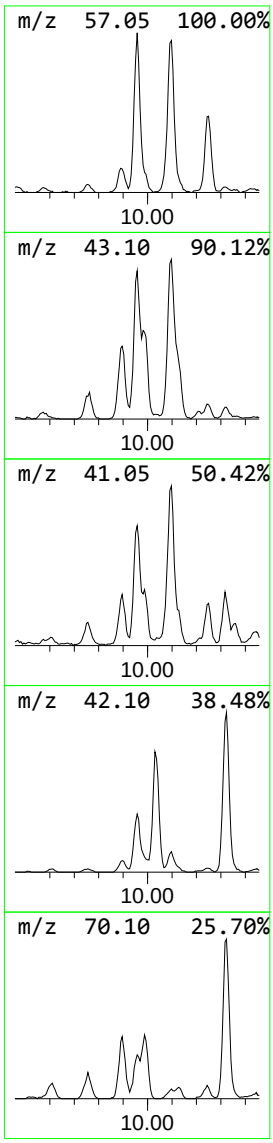
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.957	5.77 ug/L	82925	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	97
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	58
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

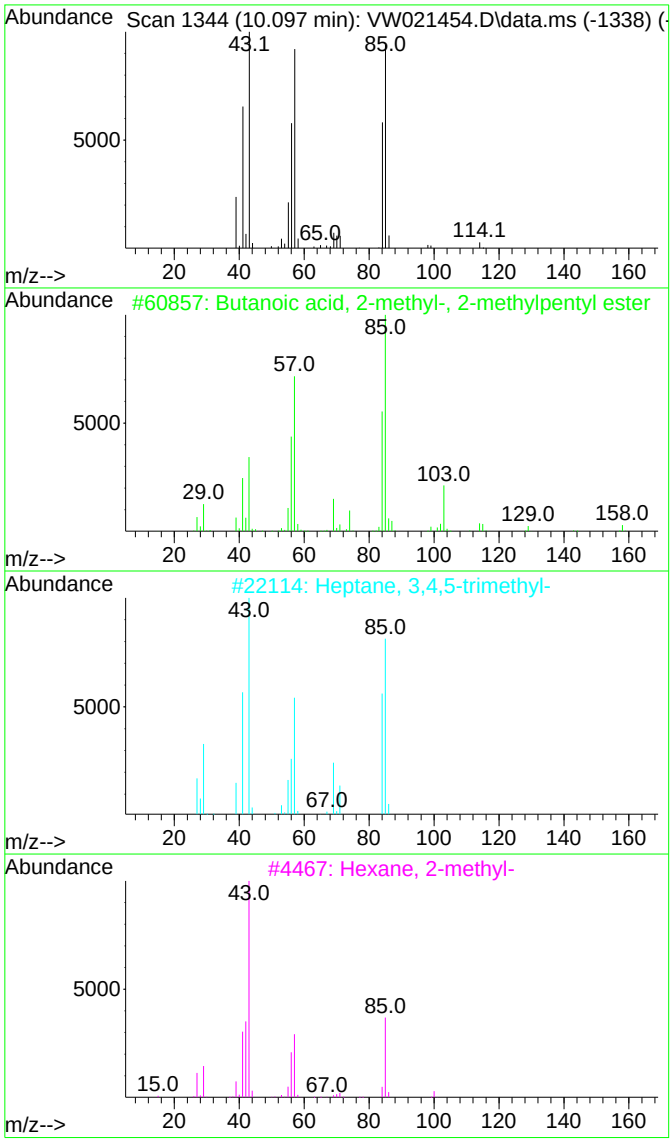
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

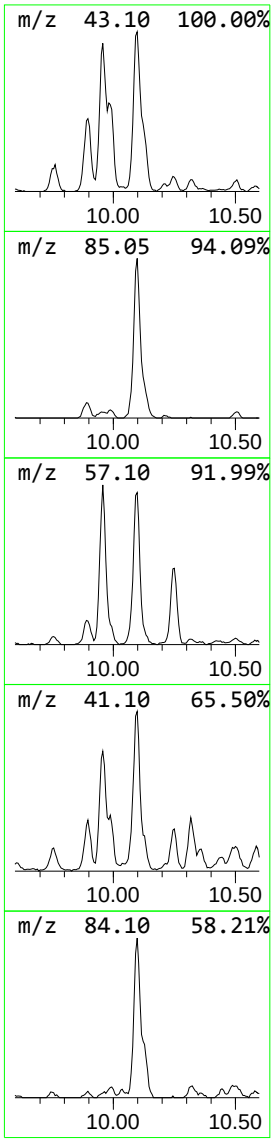
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Butanoic acid, 2-methyl-, 2... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.097	10.57 ug/L	152040	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-methyl-, 2-meth...	186	C11H22O2	083783-88-4	72
2	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	72
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	64
4	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64
5	Heptane, 3-methyl-	114	C8H18	000589-81-1	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

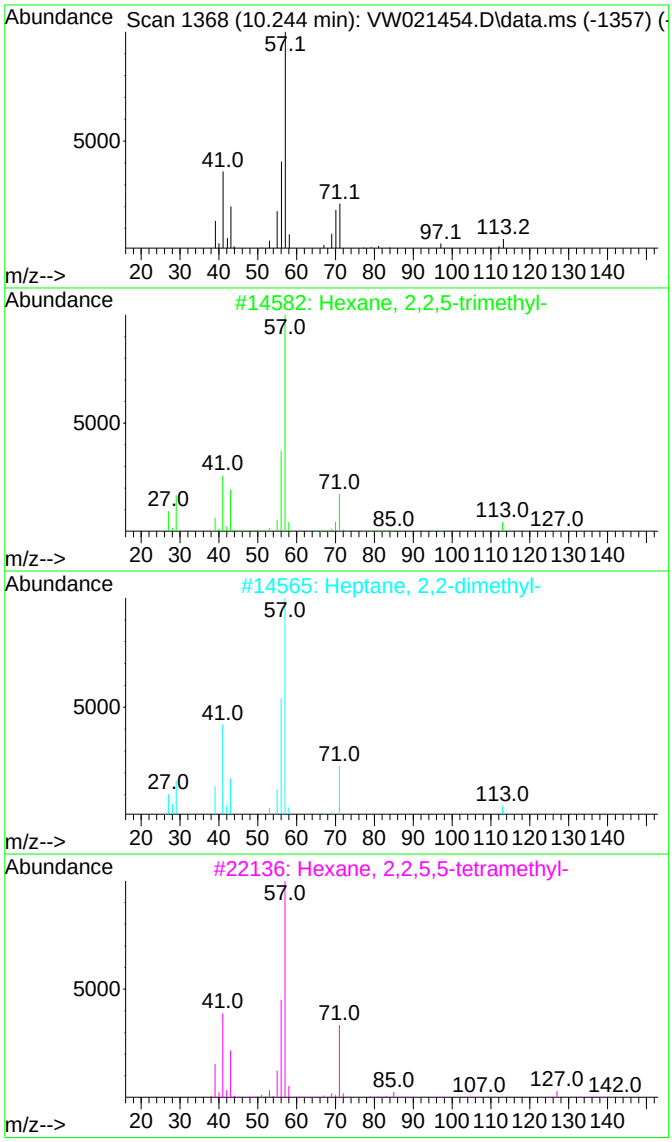
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

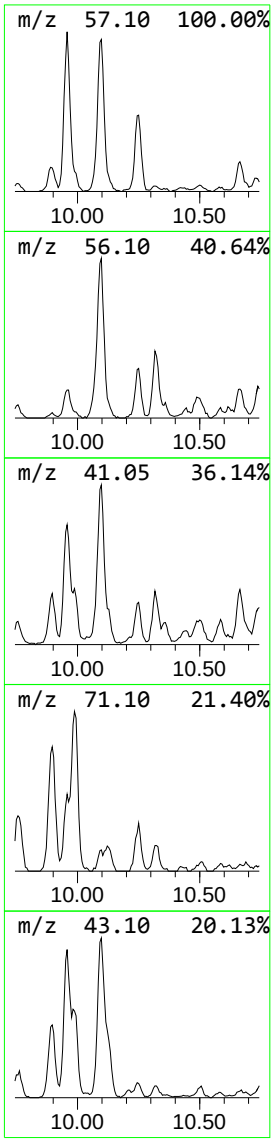
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.244	1.84 ug/L	36749	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	72
2	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	64
3	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	59
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	56
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

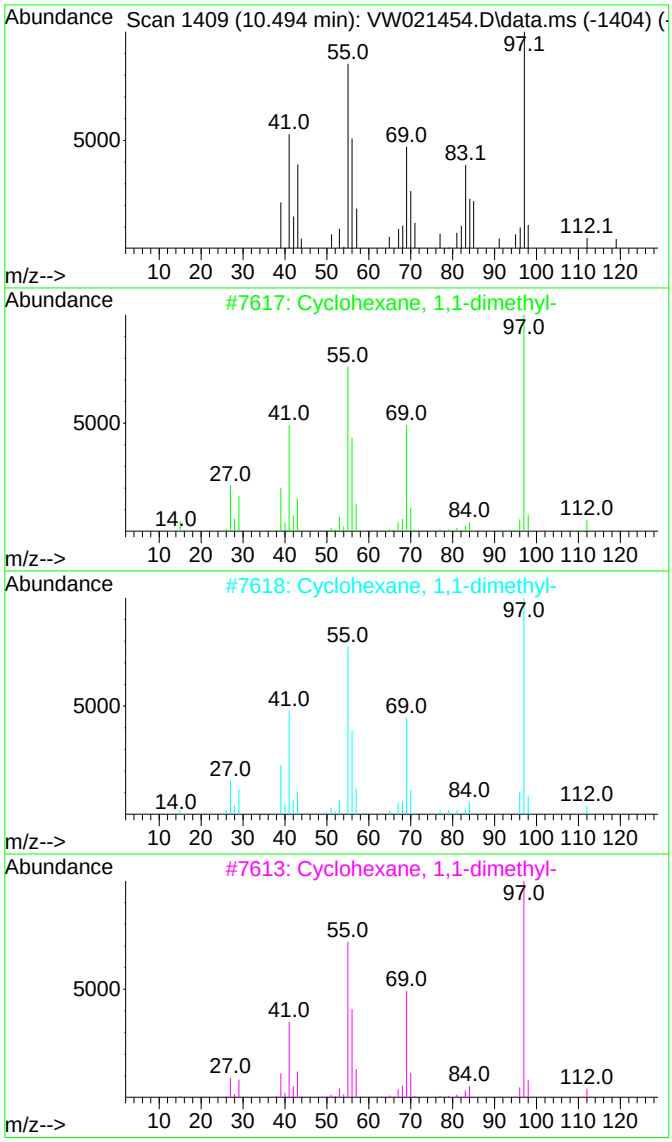
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

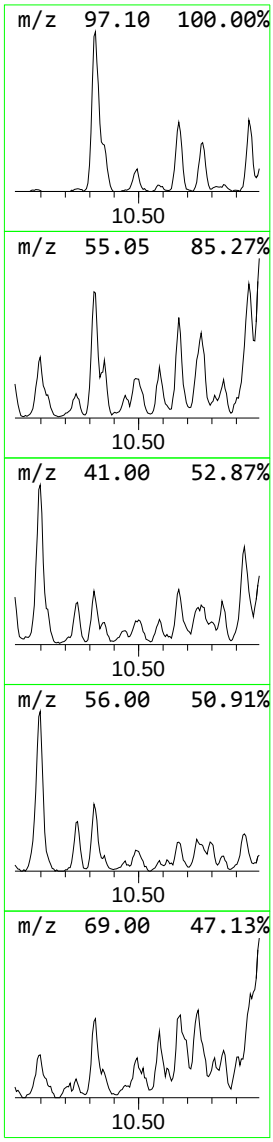
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic10.494 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.494	1.44 ug/L	28813	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	64
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	64
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	52
4	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	46
5	Cyclooctane	112	C8H16	000292-64-8	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

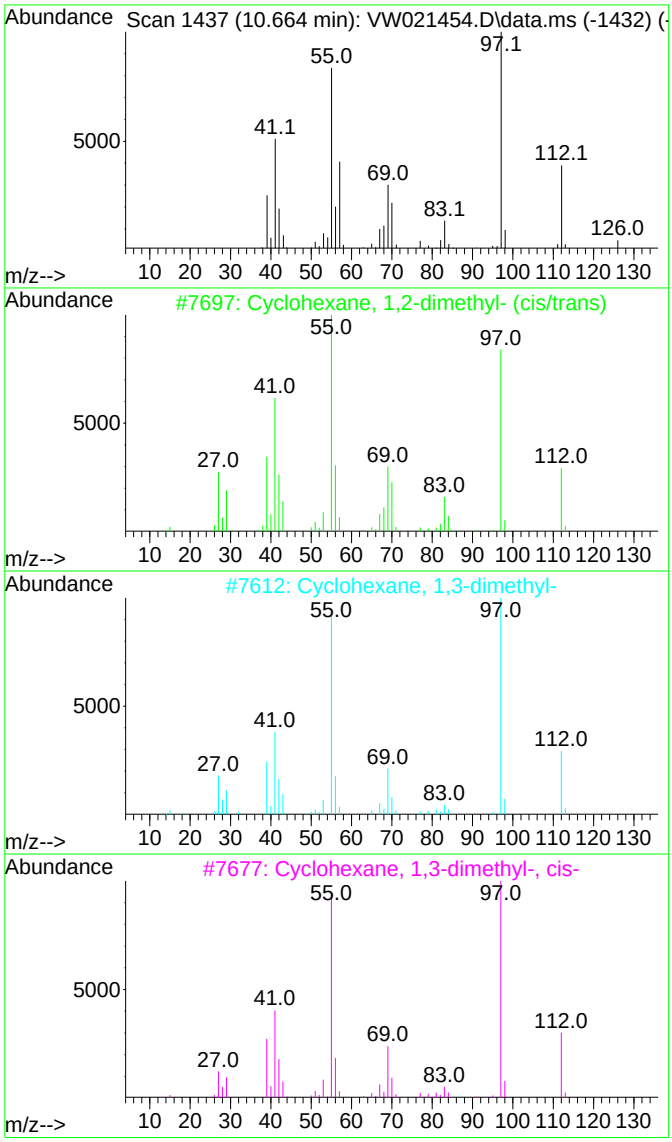
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

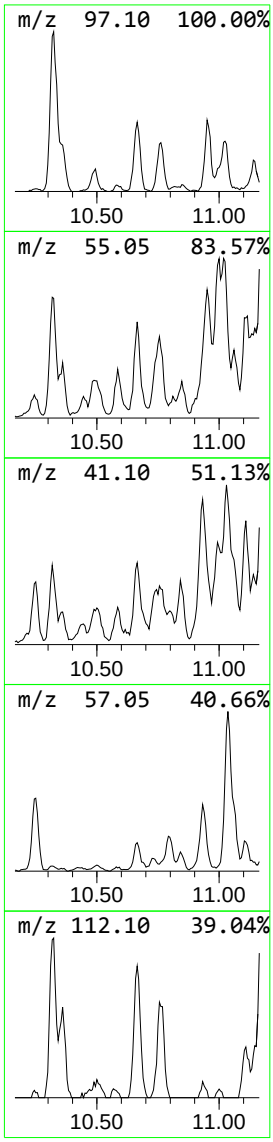
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic10.664 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.664	2.68 ug/L	53490	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90
2	Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	87
3	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	87
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	86
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

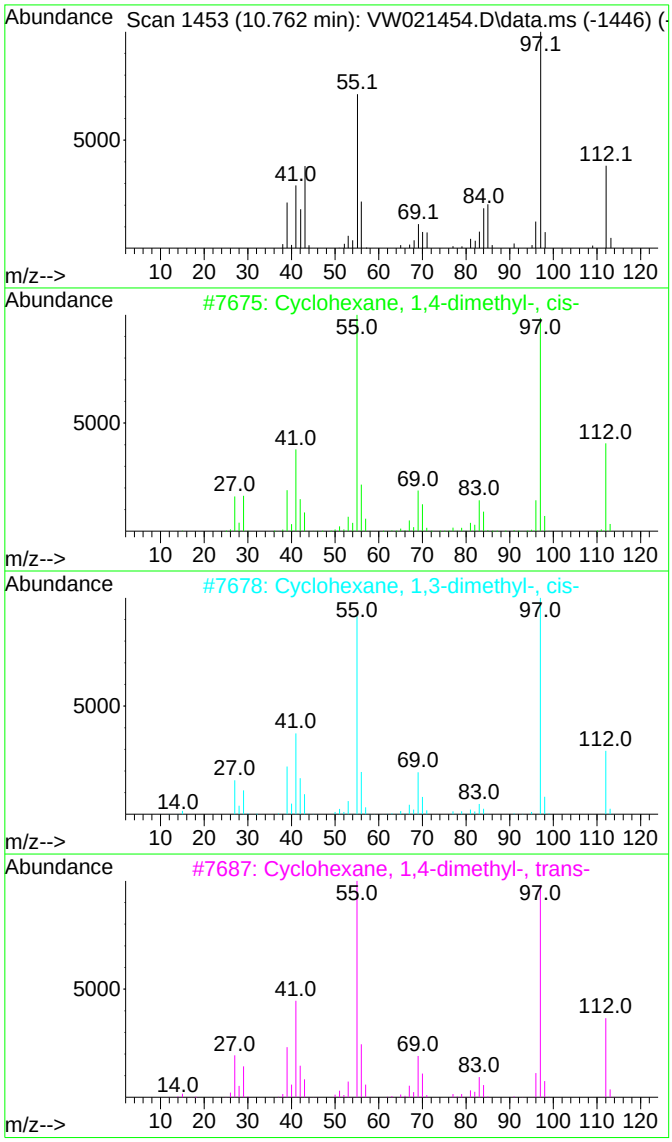
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

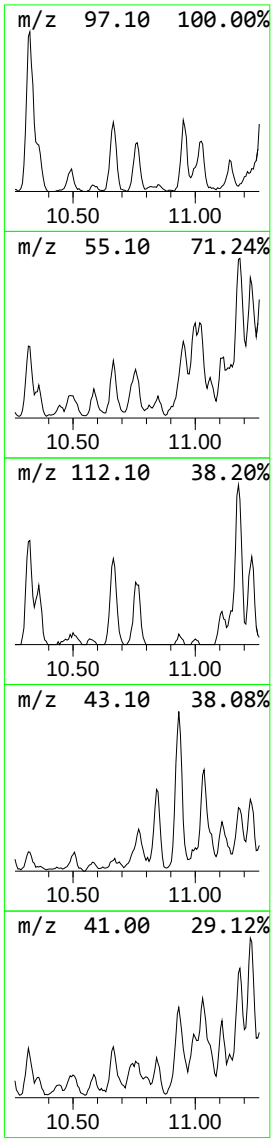
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Cyclic10.762 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.762	1.78 ug/L	35520	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	72
2	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	70
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	64
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	64
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

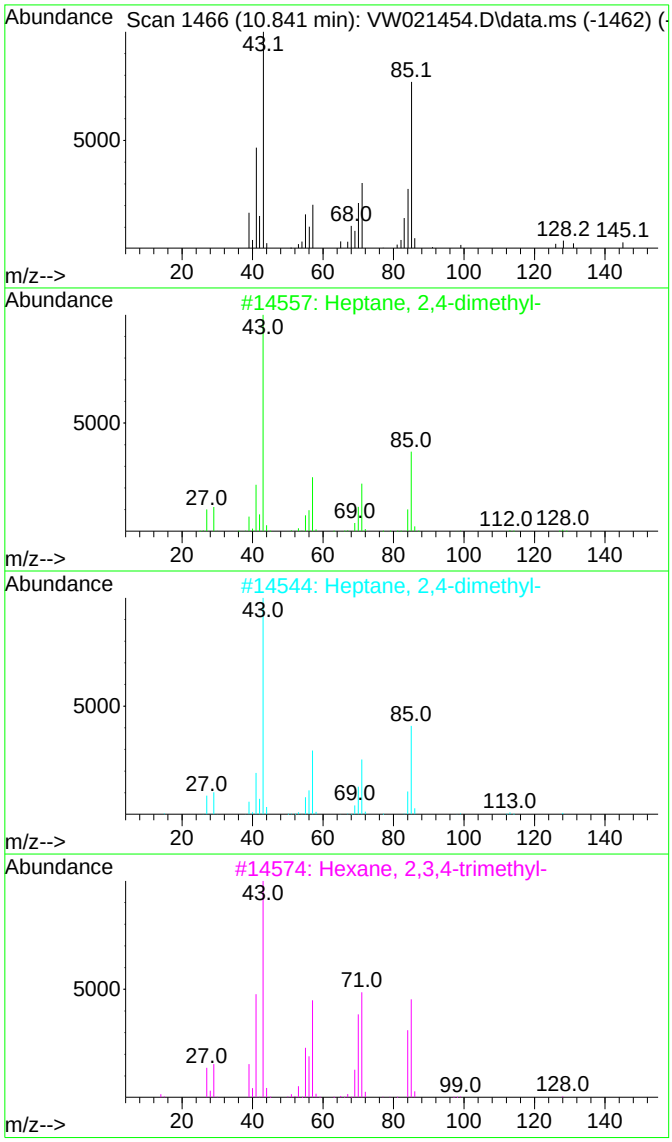
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

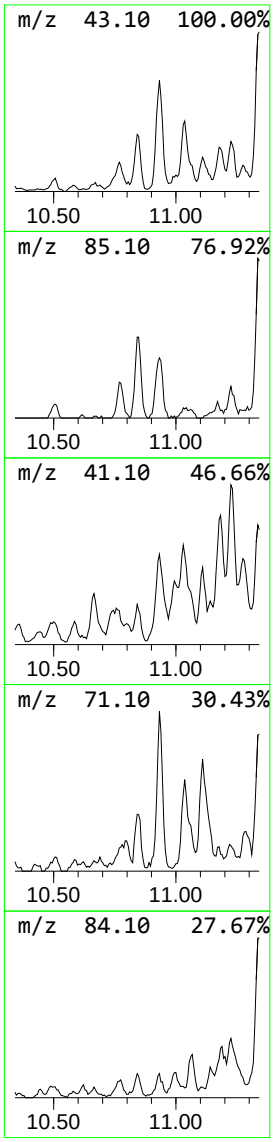
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.841	1.71 ug/L	34240	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	80
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	52
4	Sulfurous acid, isohexyl hexyl e...	250	C12H26O3S	1000309-12-8	50
5	Sulfurous acid, isohexyl 2-propy...	208	C9H20O3S	1000309-11-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

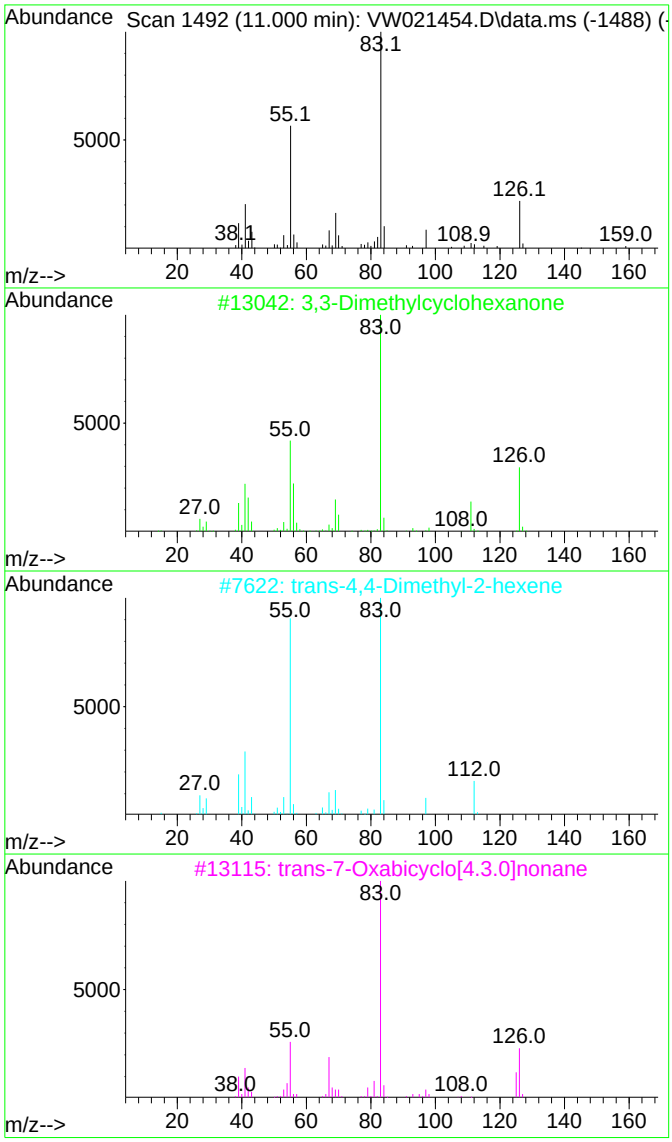
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

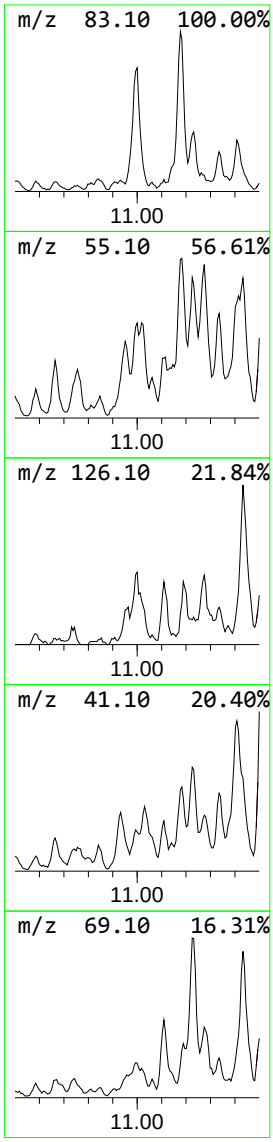
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 3,3-Dimethylcyclohexanone Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.000	1.67 ug/L	33453	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3-Dimethylcyclohexanone	126	C8H14O	002979-19-3	78
2	trans-4,4-Dimethyl-2-hexene	112	C8H16	019550-83-5	64
3	trans-7-Oxabicyclo[4.3.0]nonane	126	C8H14O	027345-70-6	64
4	Cyclopentanone, 2,4,4-trimethyl-	126	C8H14O	004694-12-6	64
5	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

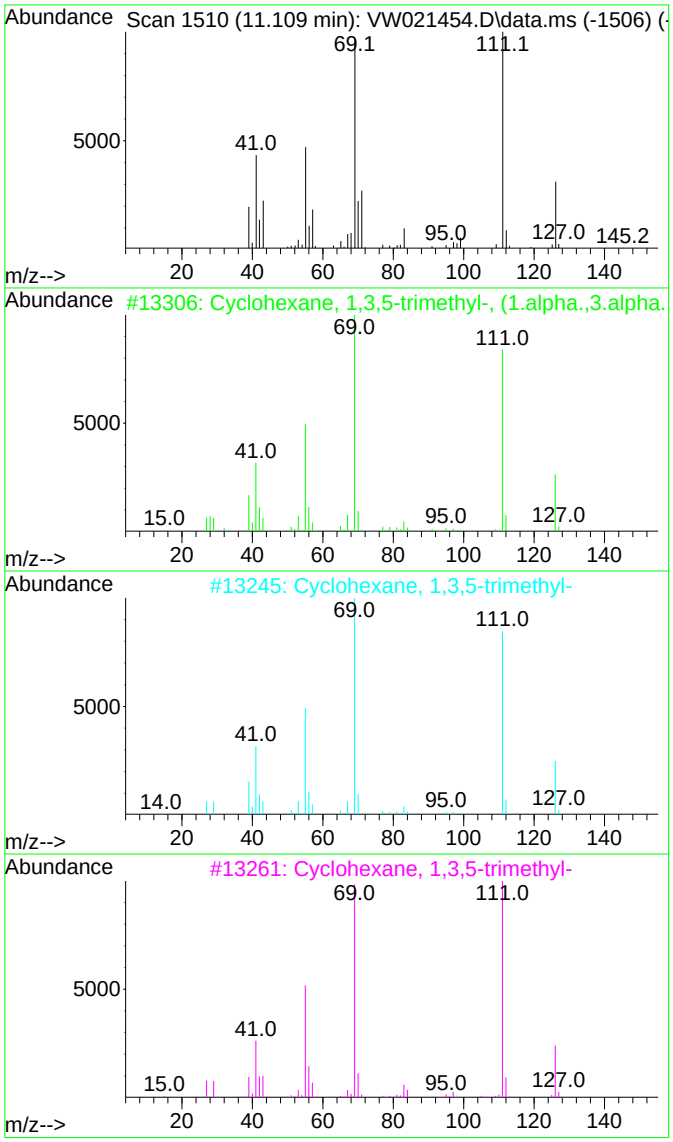
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

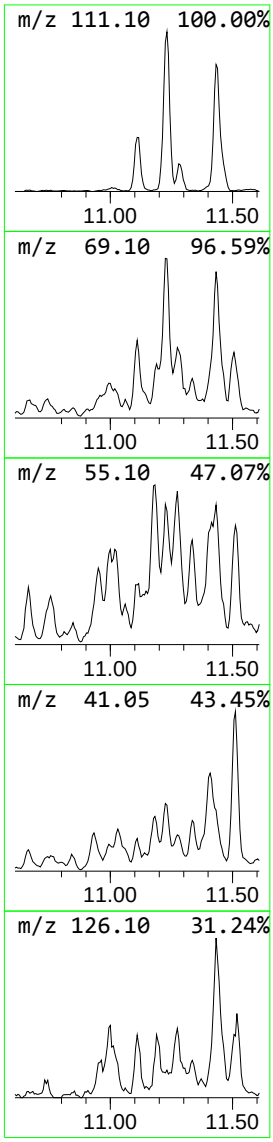
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Cyclic11.110 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.110	3.12 ug/L	62320	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	81
2	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	81
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	74
4	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	72
5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

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: Cyclic11.183 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.183	4.35 ug/L	86887	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
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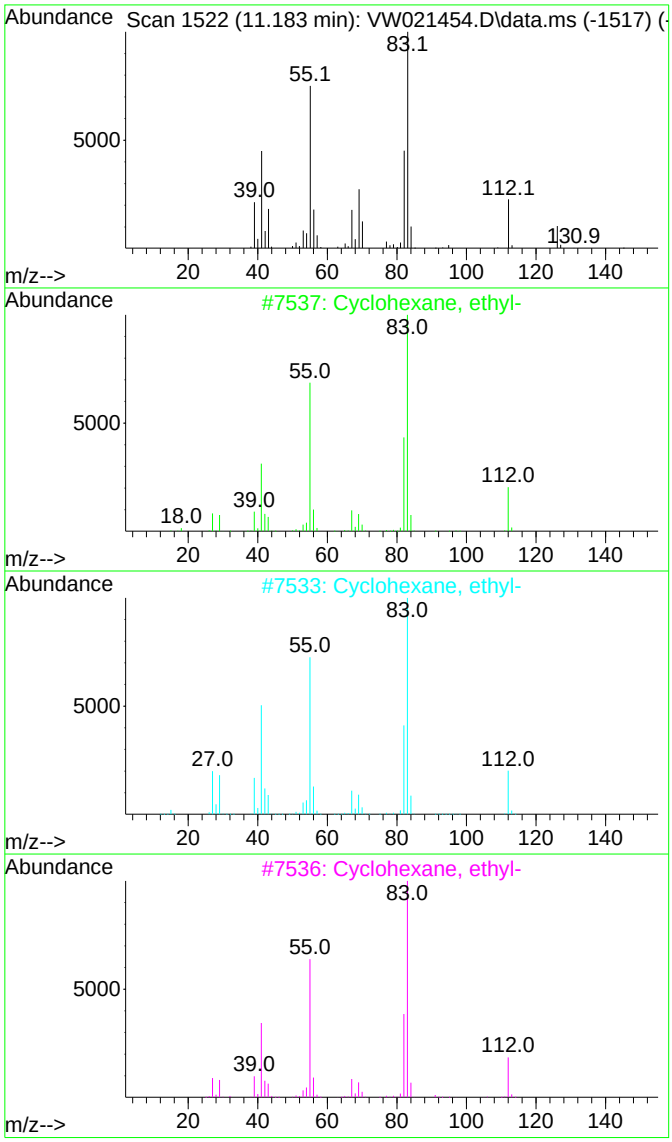
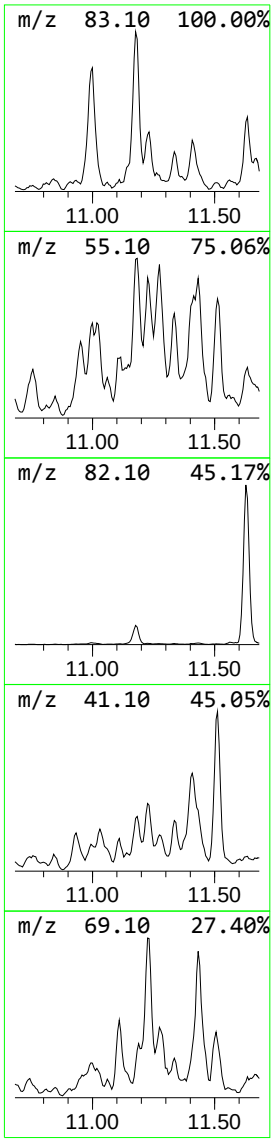
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

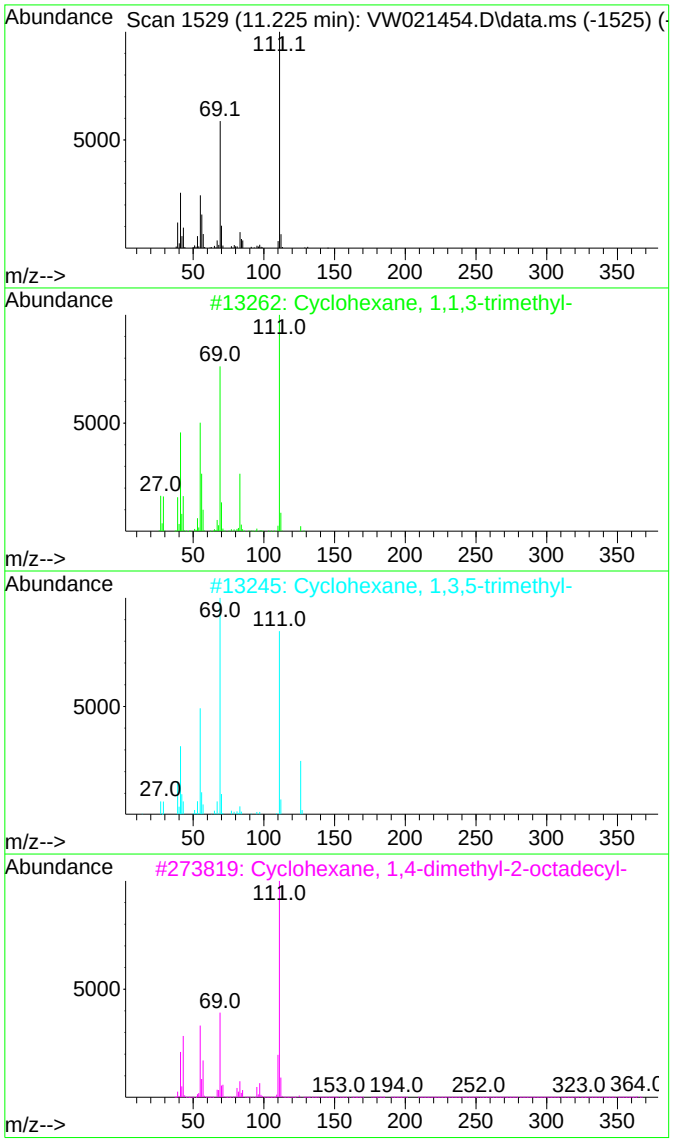
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

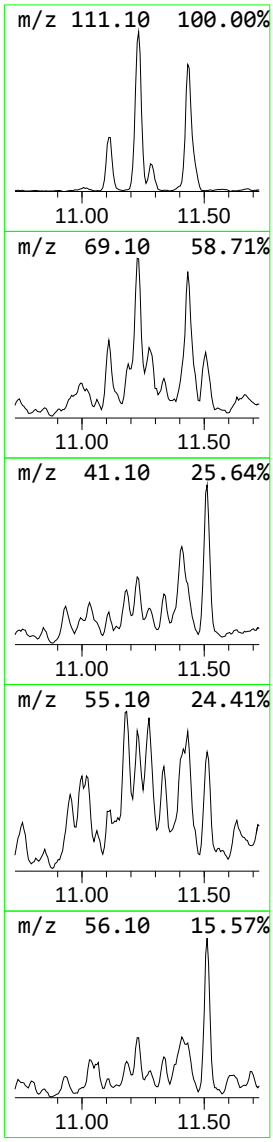
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Cyclic11.225 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.225	4.69 ug/L	93752	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	74
2	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72
3	Cyclohexane, 1,4-dimethyl-2-octa...	364	C26H52	055282-02-5	64
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	56
5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

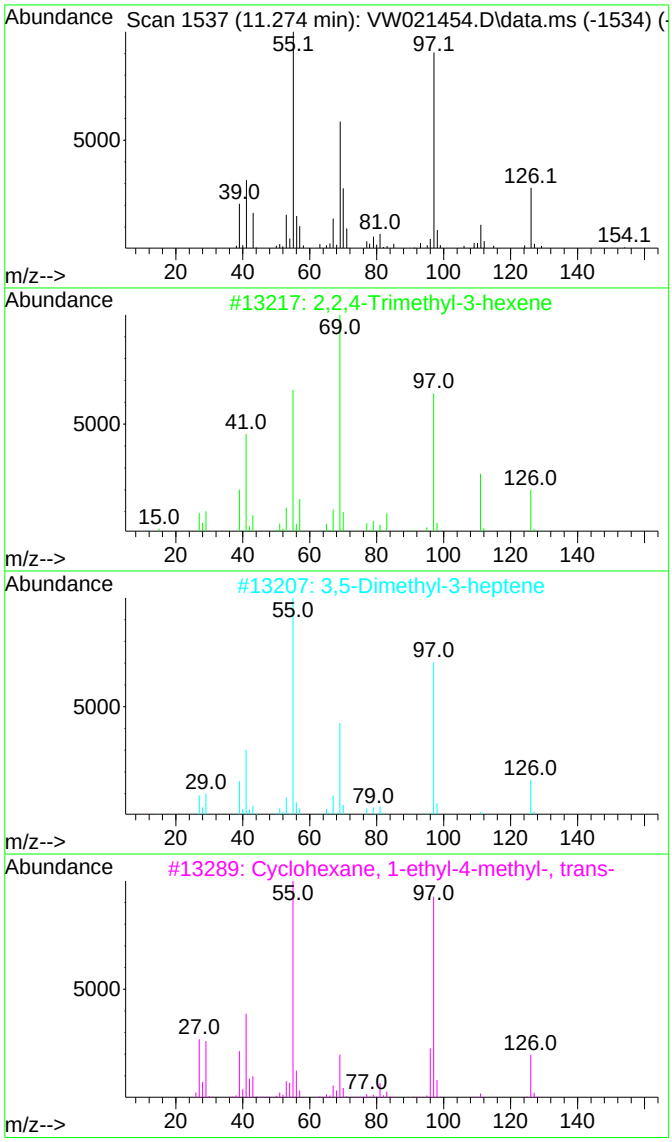
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

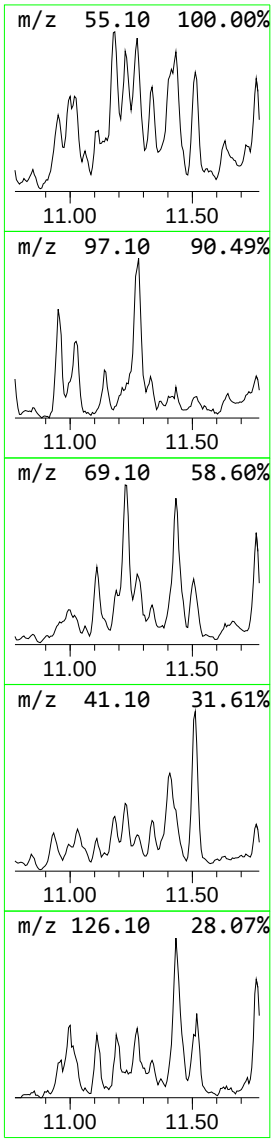
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.274	3.25 ug/L	64959	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,4-Trimethyl-3-hexene	126	C9H18	059643-72-0	64
2	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	64
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

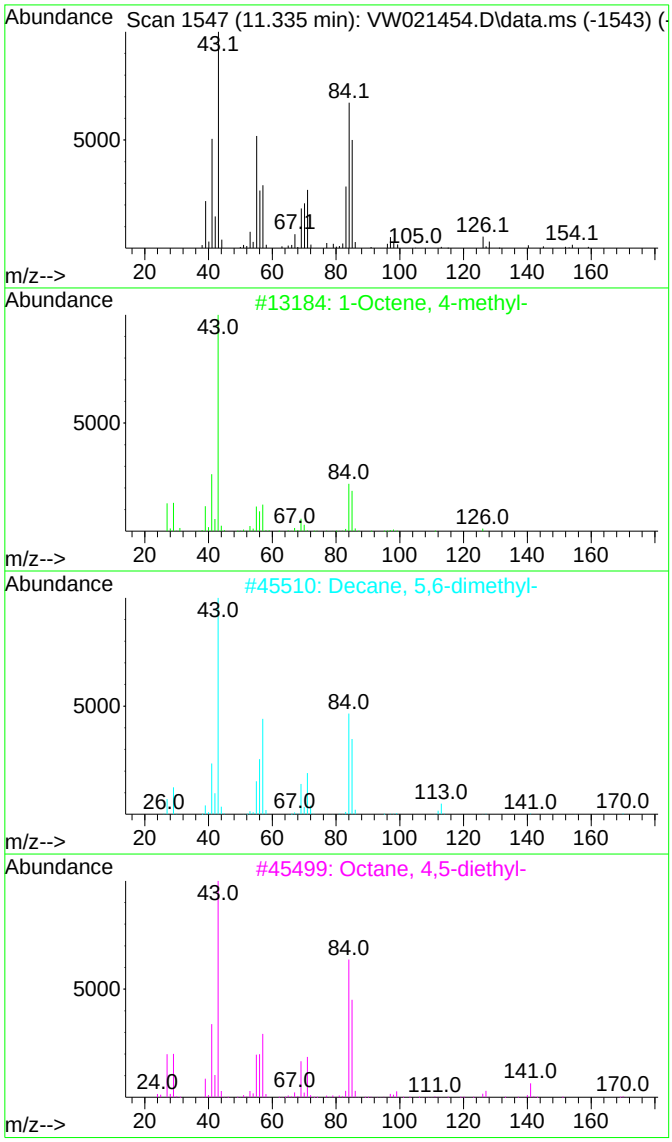
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

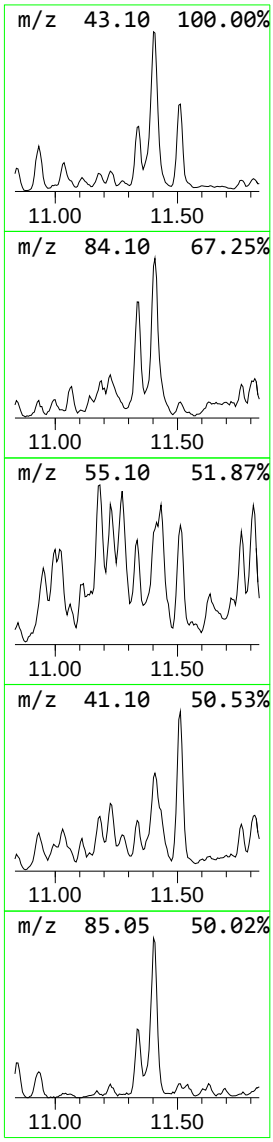
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.335	3.78 ug/L	75542	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octene, 4-methyl-	126	C9H18	013151-12-7	58
2	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	53
3	Octane, 4,5-diethyl-	170	C12H26	001636-41-5	53
4	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	53
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	50





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Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

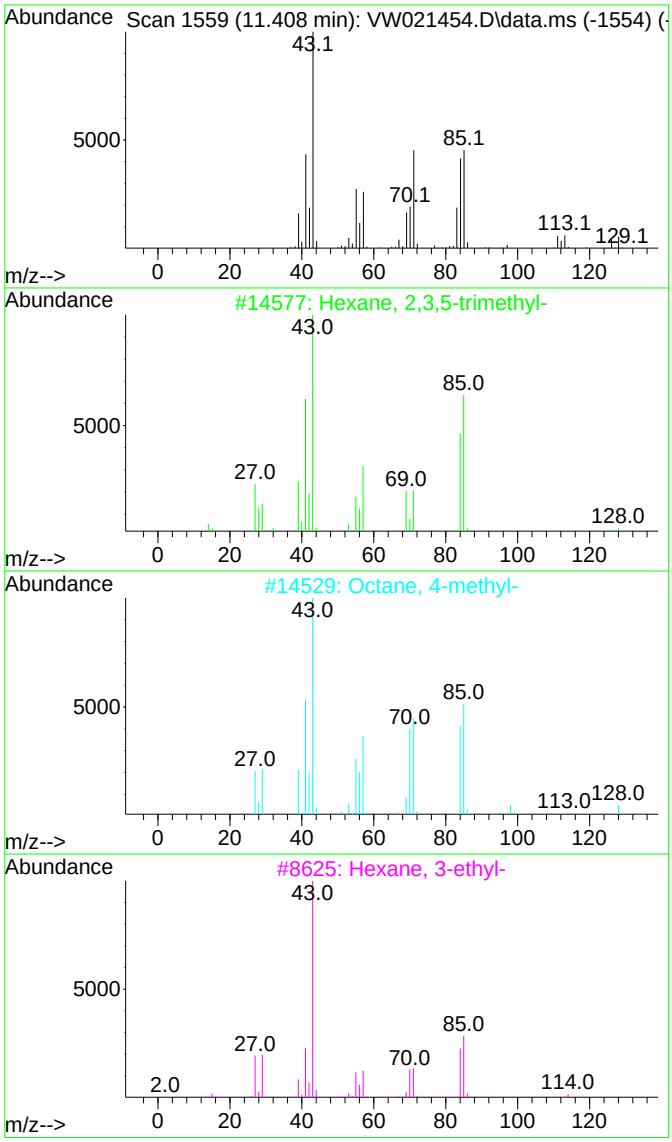
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

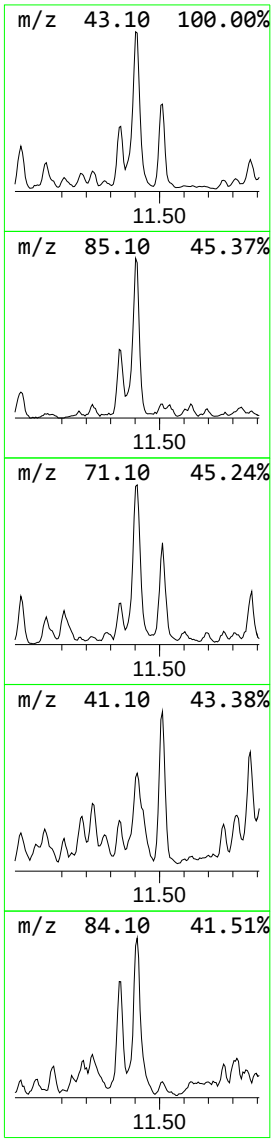
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.408	17.50 ug/L	349527	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	87
2	Octane, 4-methyl-	128	C9H20	002216-34-4	59
3	Hexane, 3-ethyl-	114	C8H18	000619-99-8	50
4	Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	47
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	43





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Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

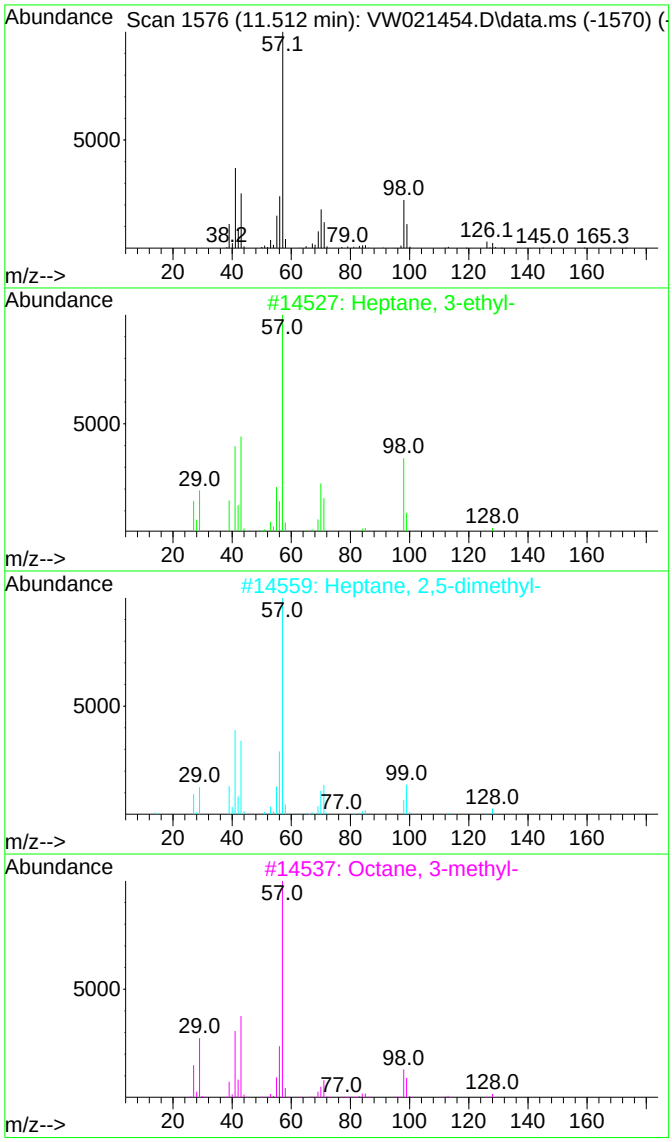
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

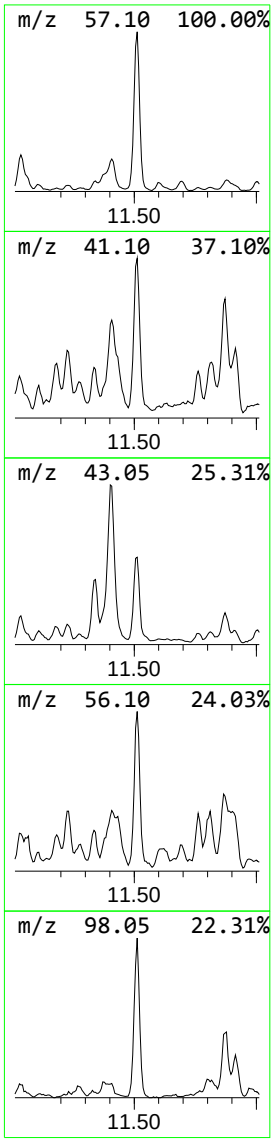
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	14.43 ug/L	288152	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-	128	C9H20	015869-80-4	76
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	76
3	Octane, 3-methyl-	128	C9H20	002216-33-3	72
4	Octane, 3-methyl-	128	C9H20	002216-33-3	59
5	Octane, 3-methyl-	128	C9H20	002216-33-3	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

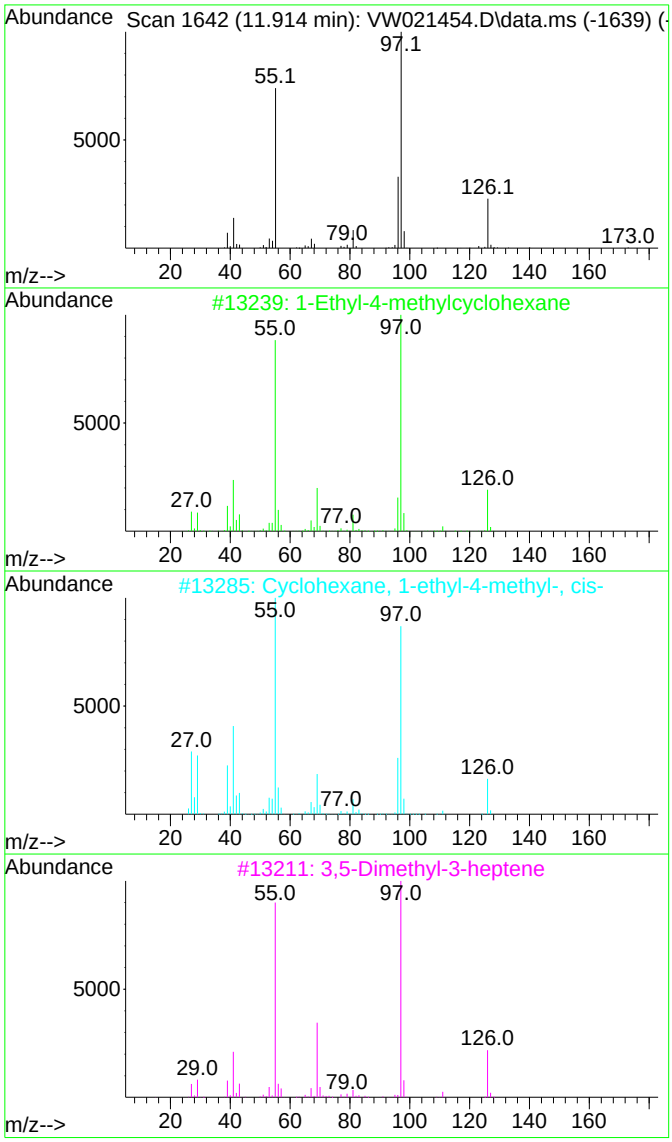
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

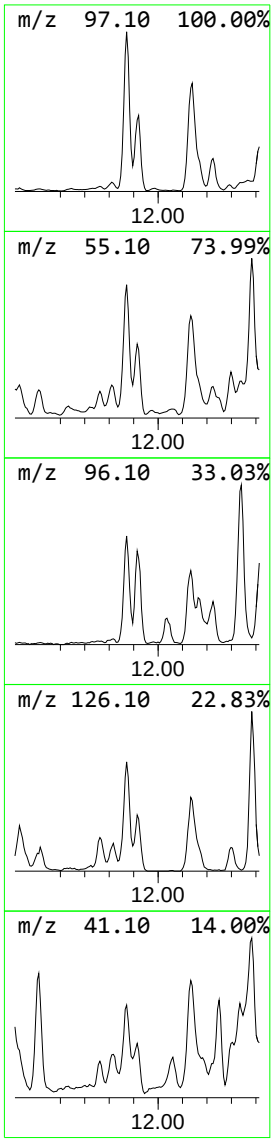
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Cyclic11.914 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.914	9.19 ug/L	183507	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	78
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	78
3	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	72
4	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	64
5	Cyclohexane, 1-bromo-4-methyl-	176	C7H13Br	006294-40-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

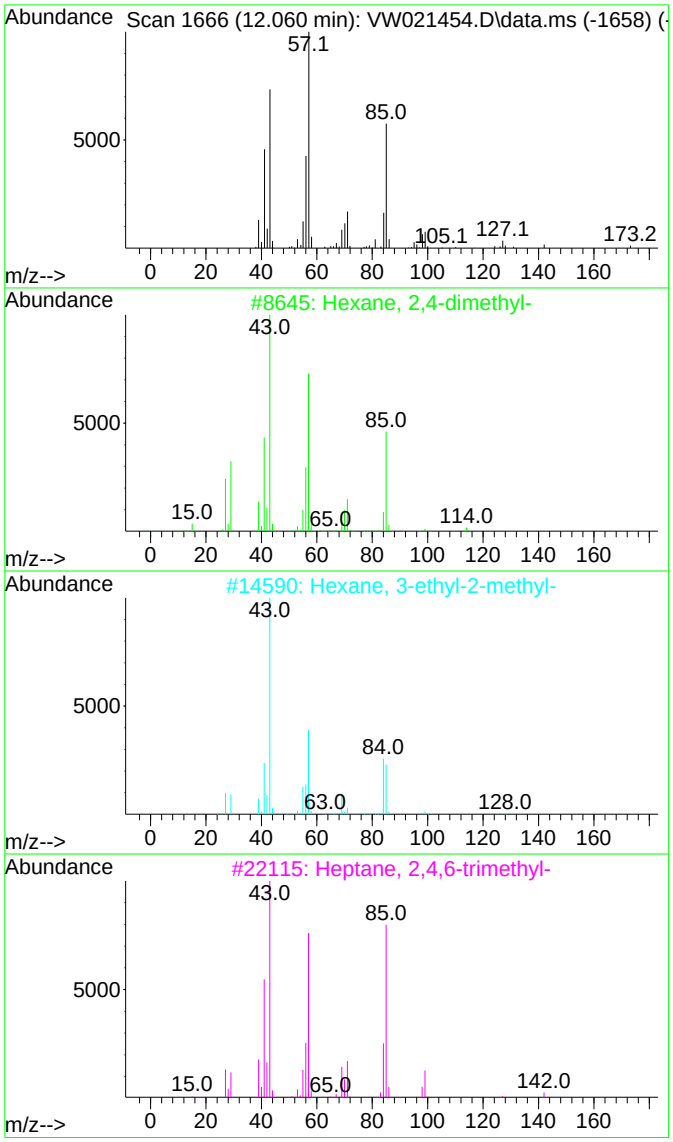
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

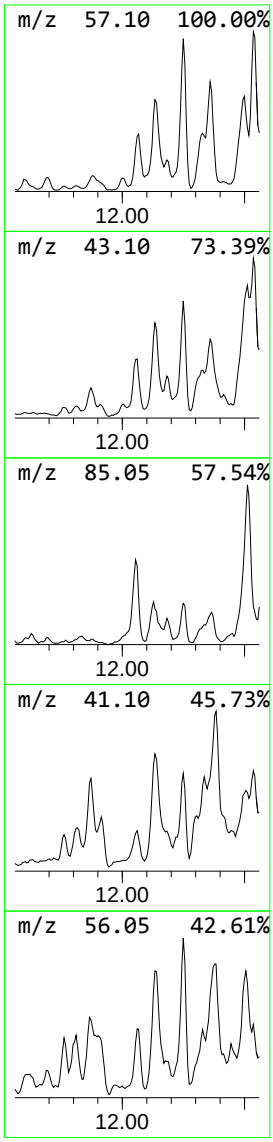
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.060	6.03 ug/L	120382	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	86
2	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	64
3	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	58
4	Sulfurous acid, hexyl heptyl ester	264	C13H28O3S	1000309-12-9	50
5	2,2-Dimethyl-3-heptanone	142	C9H18O	019078-97-8	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

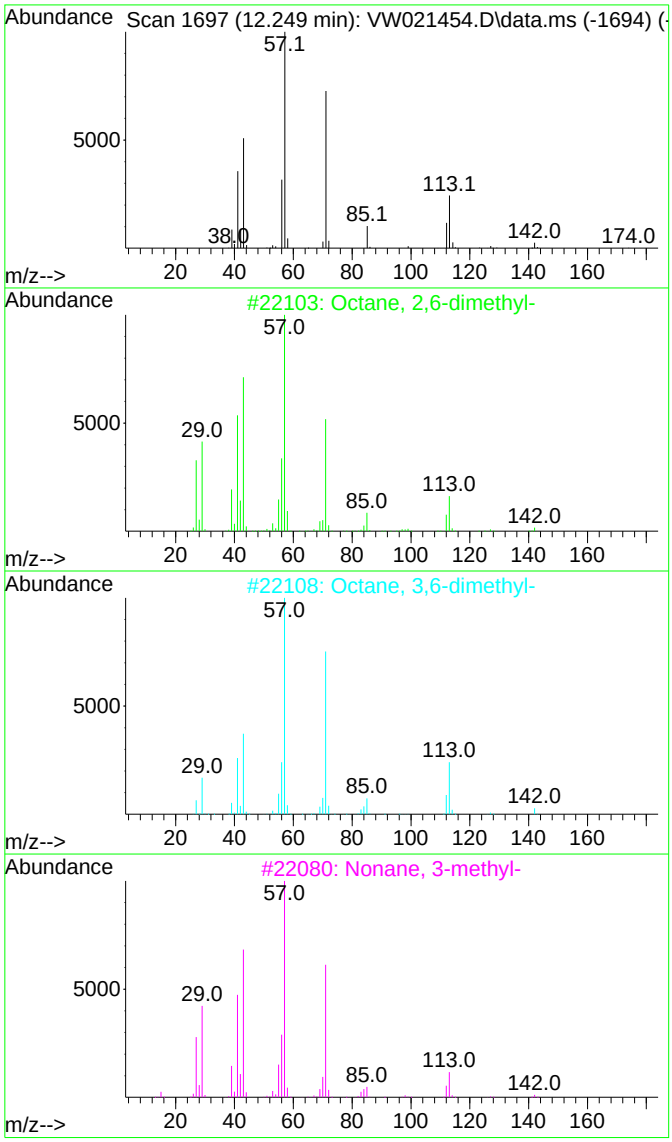
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

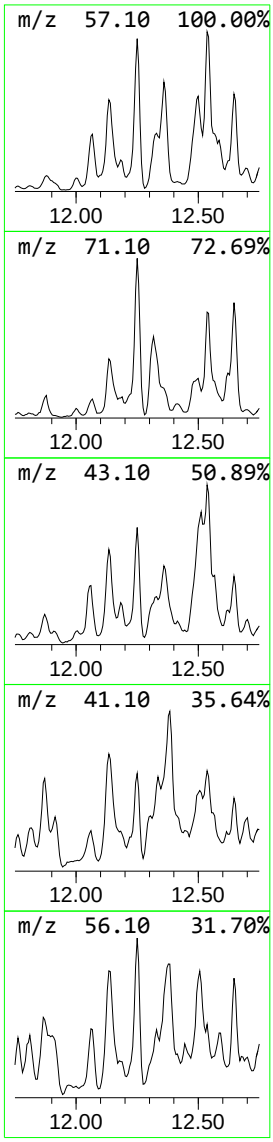
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.249	9.33 ug/L	186254	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	72
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	72
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

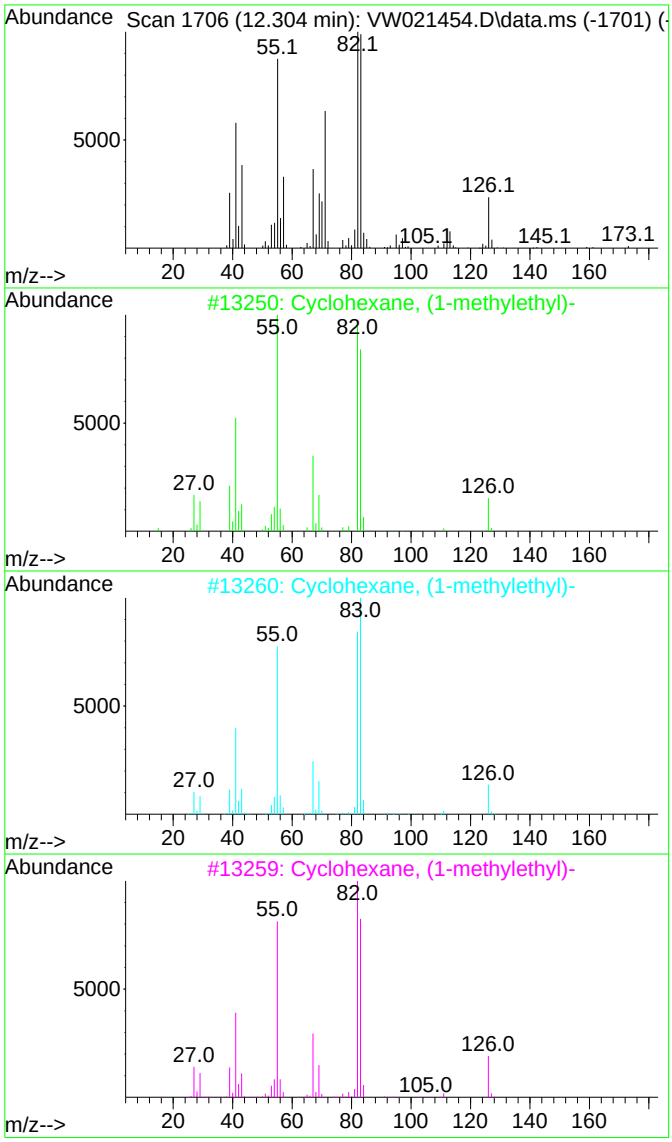
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

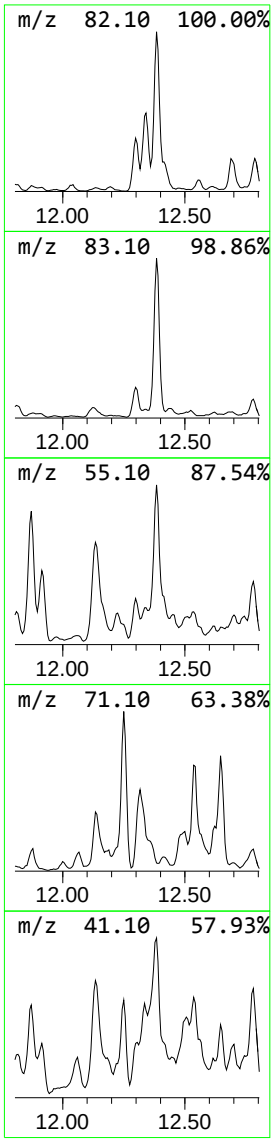
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Cyclic12.304 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.304	6.58 ug/L	131444	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	86
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	76
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	76
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	68
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

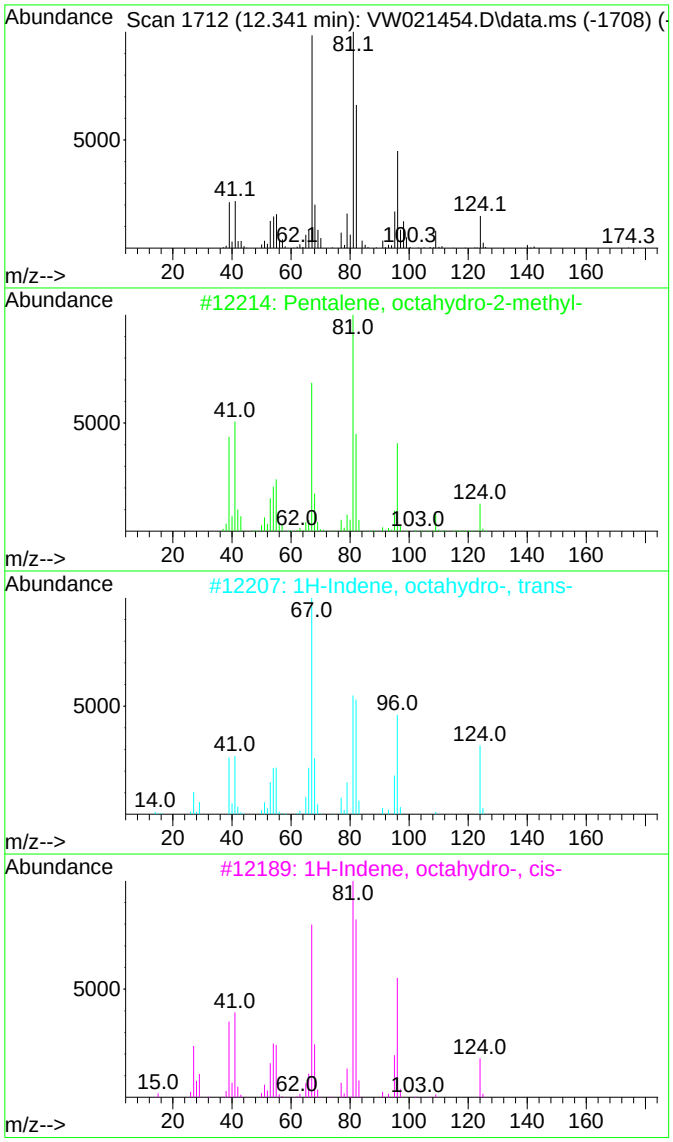
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

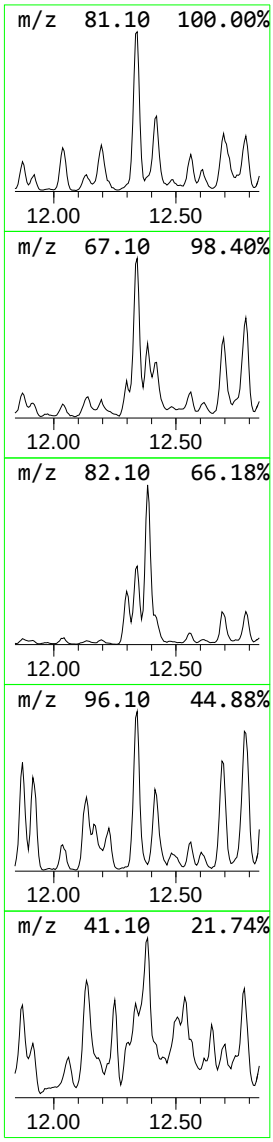
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Pentalene, octahydro-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.341	14.26 ug/L	284785	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	91
2	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	62
3	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	55
4	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	53
5	Cyclohexene, 4-propyl-	124	C9H16	013487-64-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

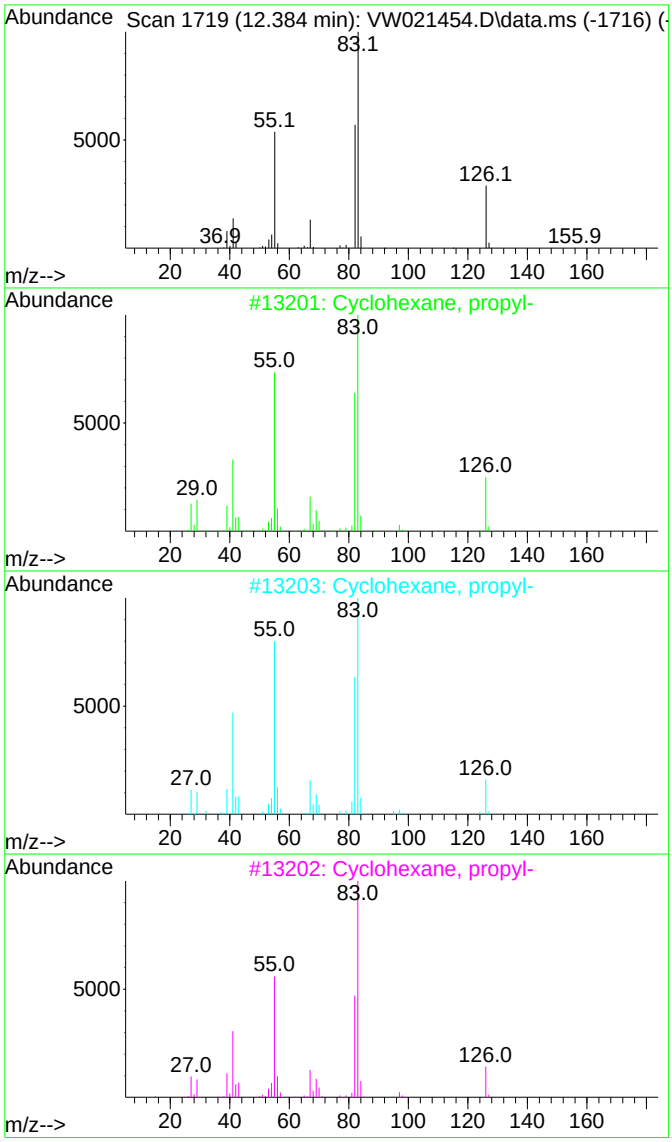
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

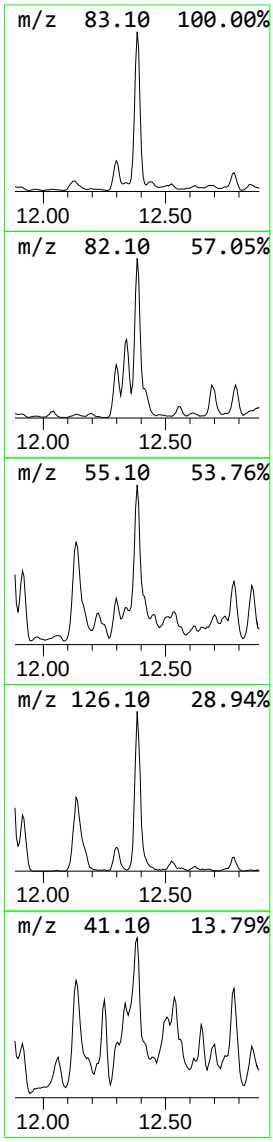
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Cyclic12.384 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.384	13.99 ug/L	279478	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	83
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	78
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
4	Cyclohexane, bromo-	162	C6H11Br	000108-85-0	50
5	Acetaldehyde 2E-hexenyl 3Z-hexen...	226	C14H26O2	1000431-45-5	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

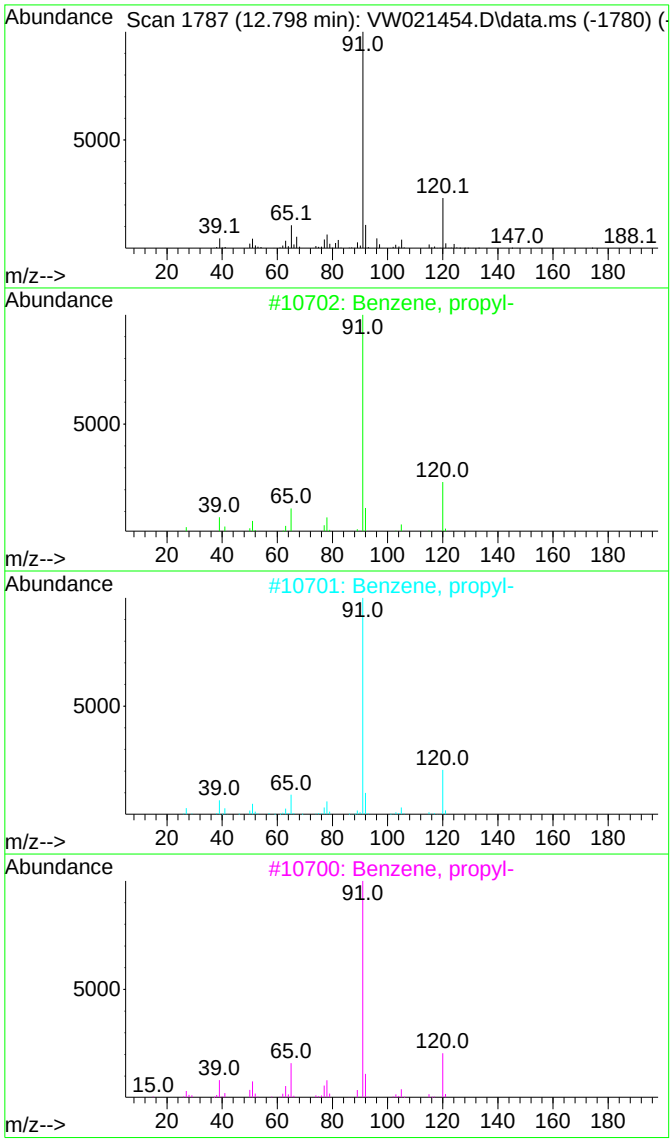
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

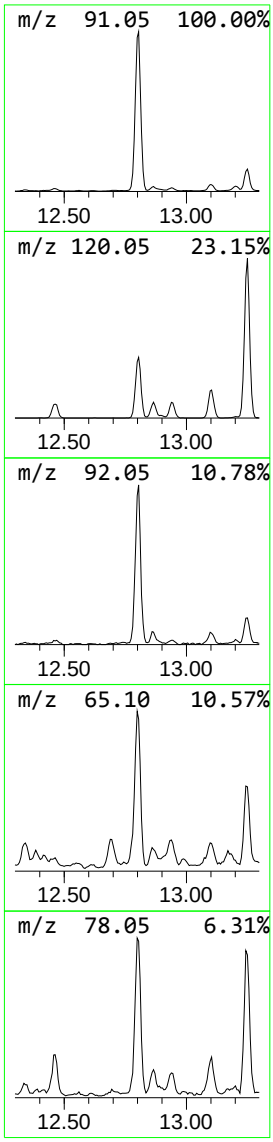
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Benzene, propyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.798	37.82 ug/L	668584	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	93
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	Benzene, propyl-	120	C9H12	000103-65-1	87
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

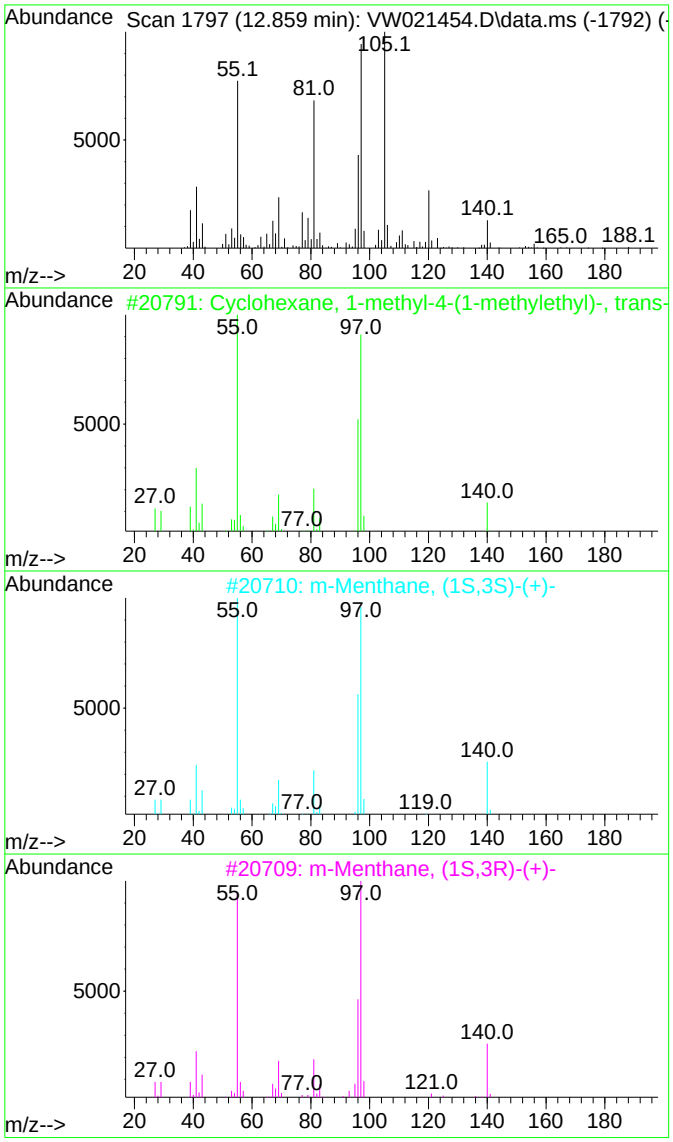
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

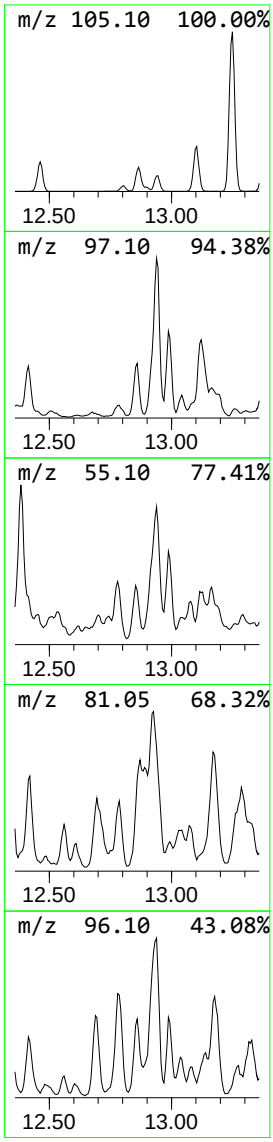
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Cyclic12.859 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	14.21 ug/L	251231	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	70
2	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	62
3	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	62
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	58
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

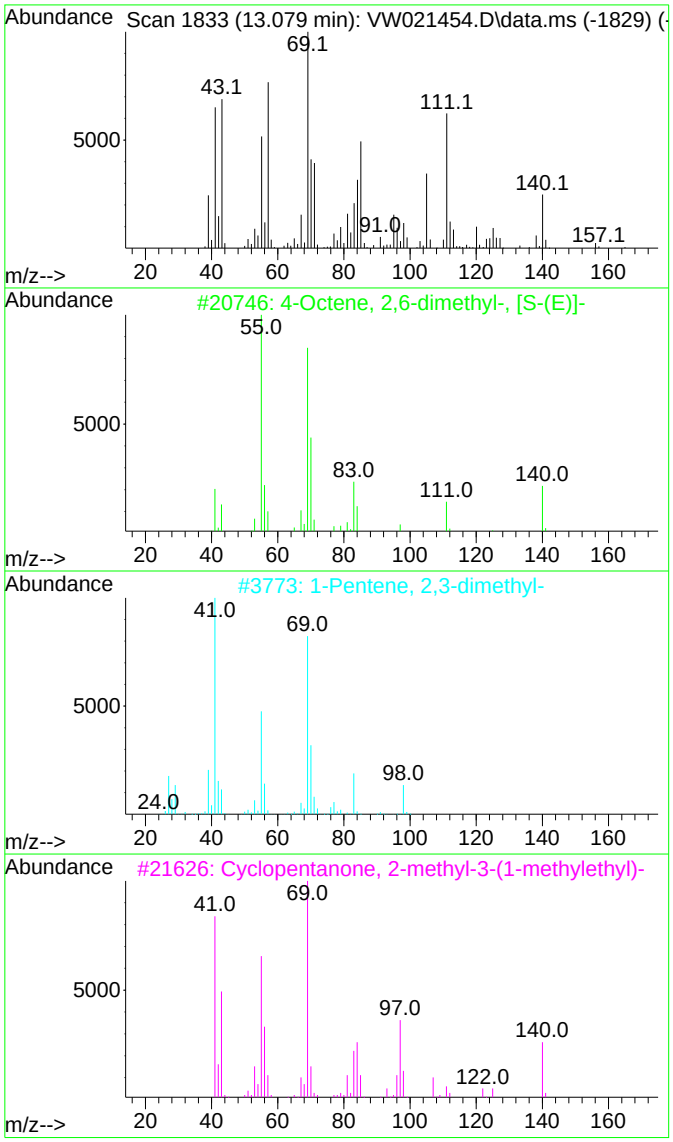
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

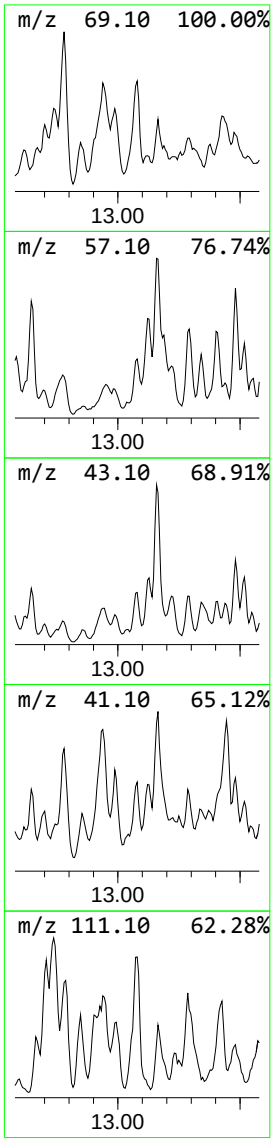
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.079	8.81 ug/L	155811	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	43
2	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	38
3	Cyclopentanone, 2-methyl-3-(1-me...	140	C9H16O	054549-81-4	38
4	2-Heptene, 4-methyl-, (E)-	112	C8H16	066225-17-0	38
5	4-Methyl-2-heptene	112	C8H16	003404-56-6	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

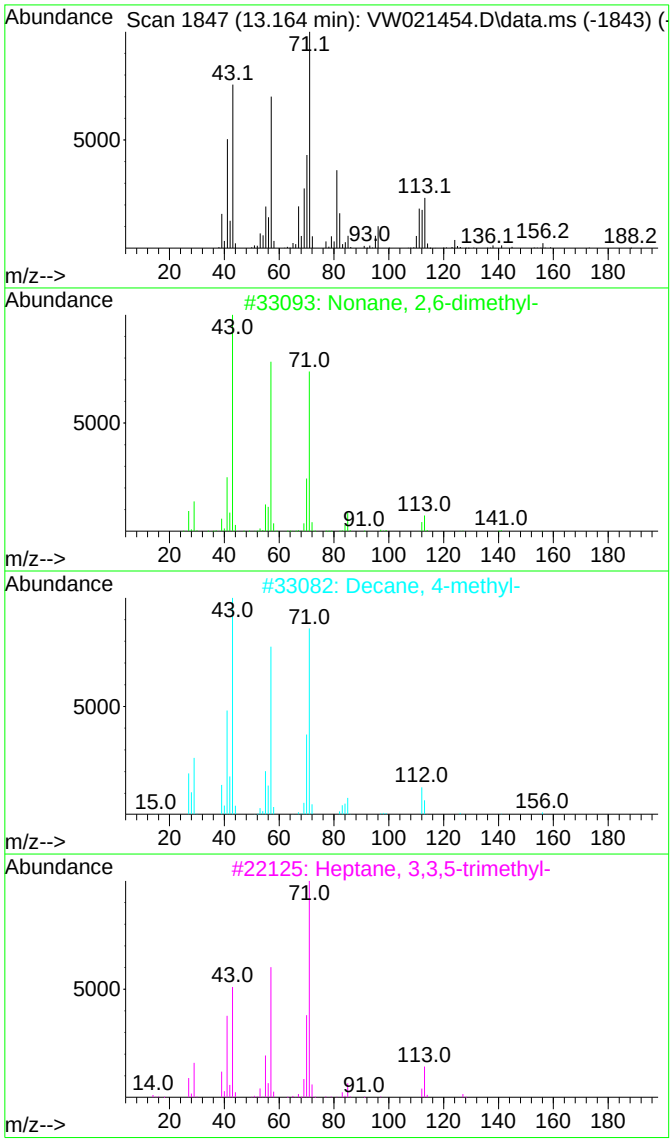
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

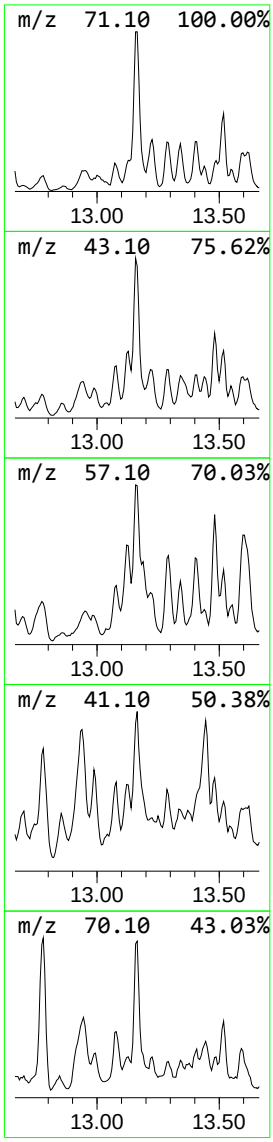
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	21.46 ug/L	379375	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	68
2	Decane, 4-methyl-	156	C11H24	002847-72-5	53
3	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	53
4	Octane, 3-ethyl-	142	C10H22	005881-17-4	50
5	Oxalic acid, 2-ethylhexyl pentyl...	272	C15H28O4	1000309-38-7	50





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Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

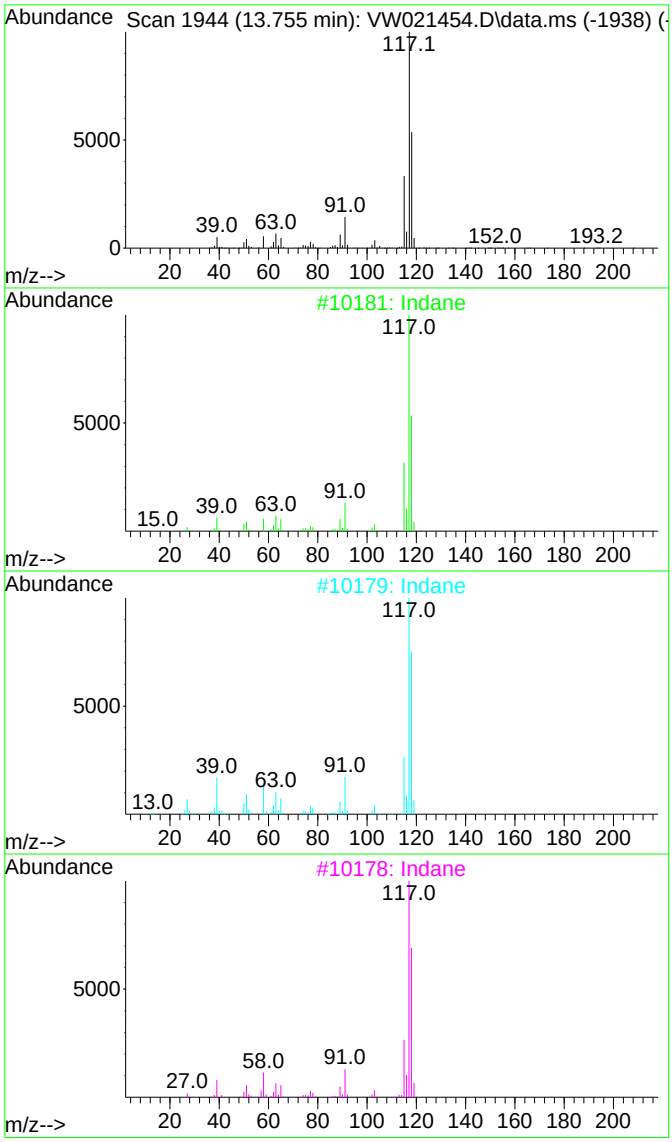
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

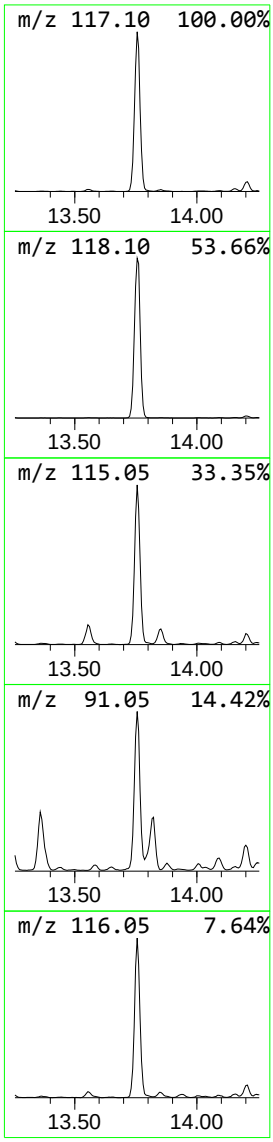
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.755	199.94 ug/L	3534240	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	87
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	83
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

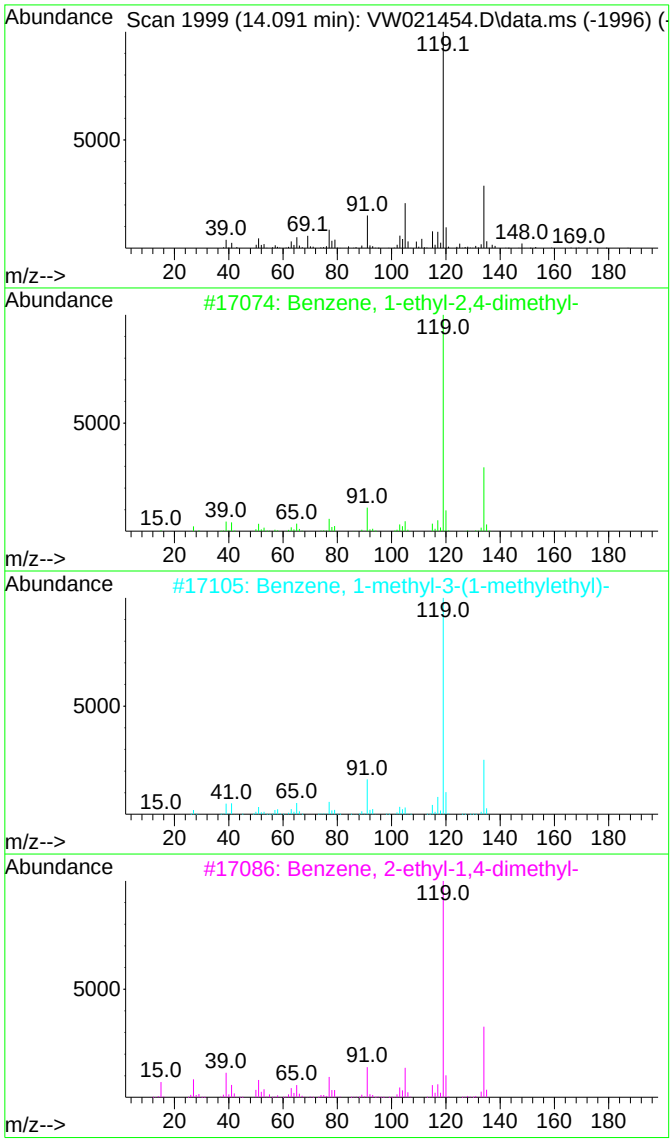
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

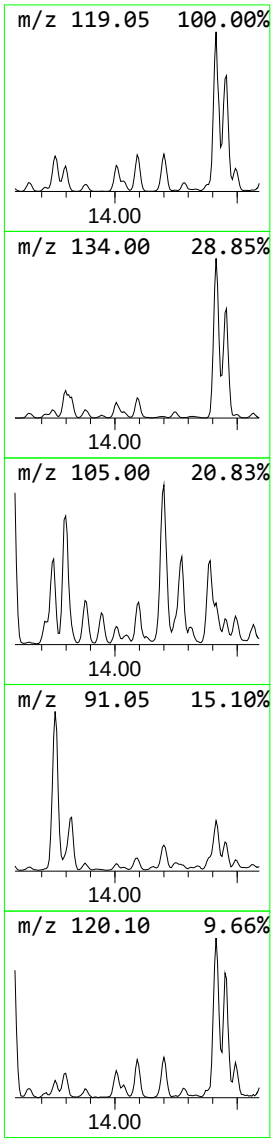
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.091	10.09 ug/L	178279	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

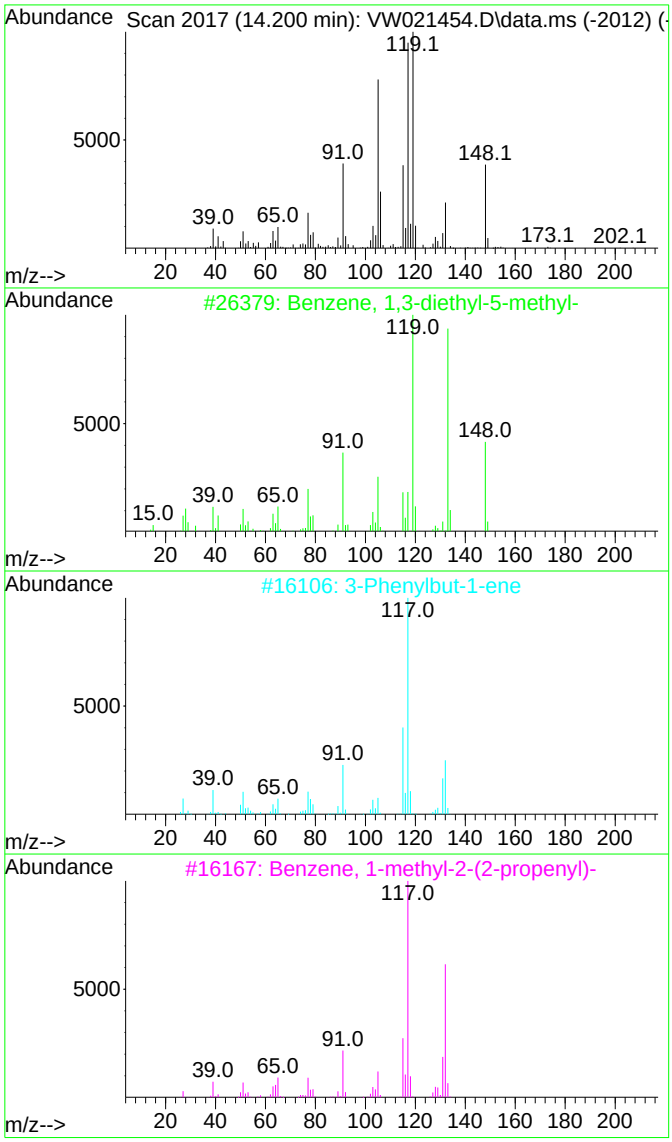
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

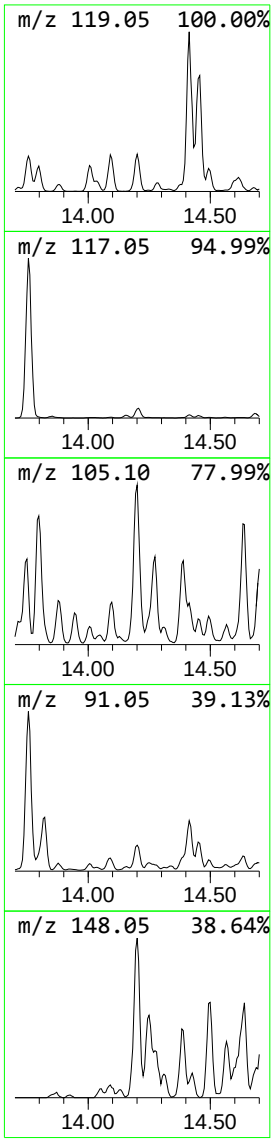
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.200	23.94 ug/L	423141	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	55
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	50
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	46
4	Cyclopropane, 1-methyl-1-phenyl-	132	C10H12	002214-14-4	46
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

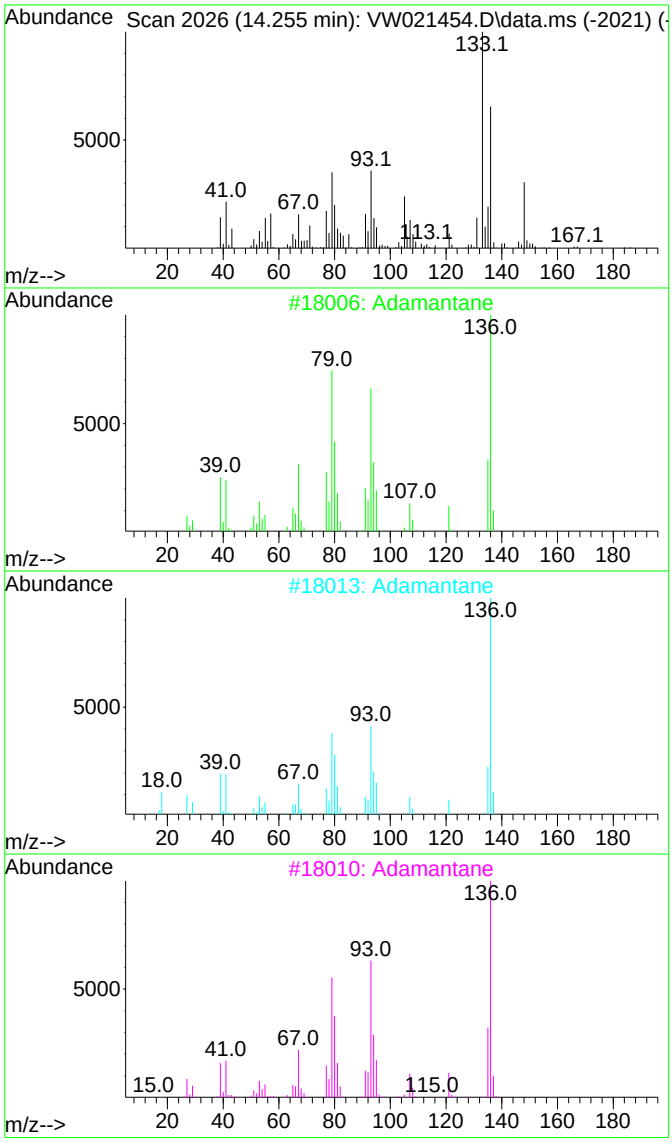
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

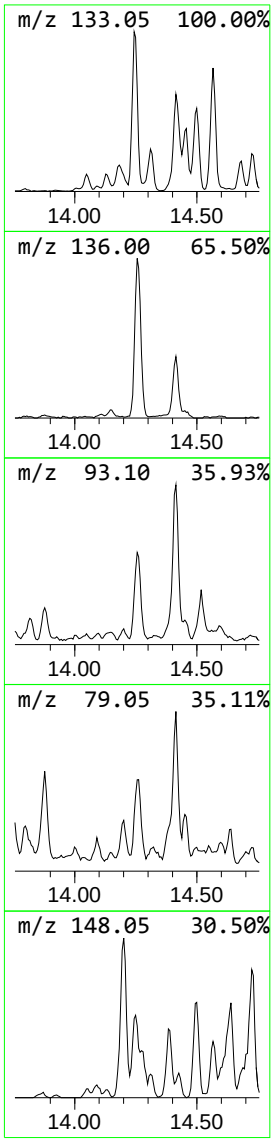
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 Adamantane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.255	15.98 ug/L	282532	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	58
2	Adamantane	136	C10H16	000281-23-2	56
3	Adamantane	136	C10H16	000281-23-2	49
4	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	46
5	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

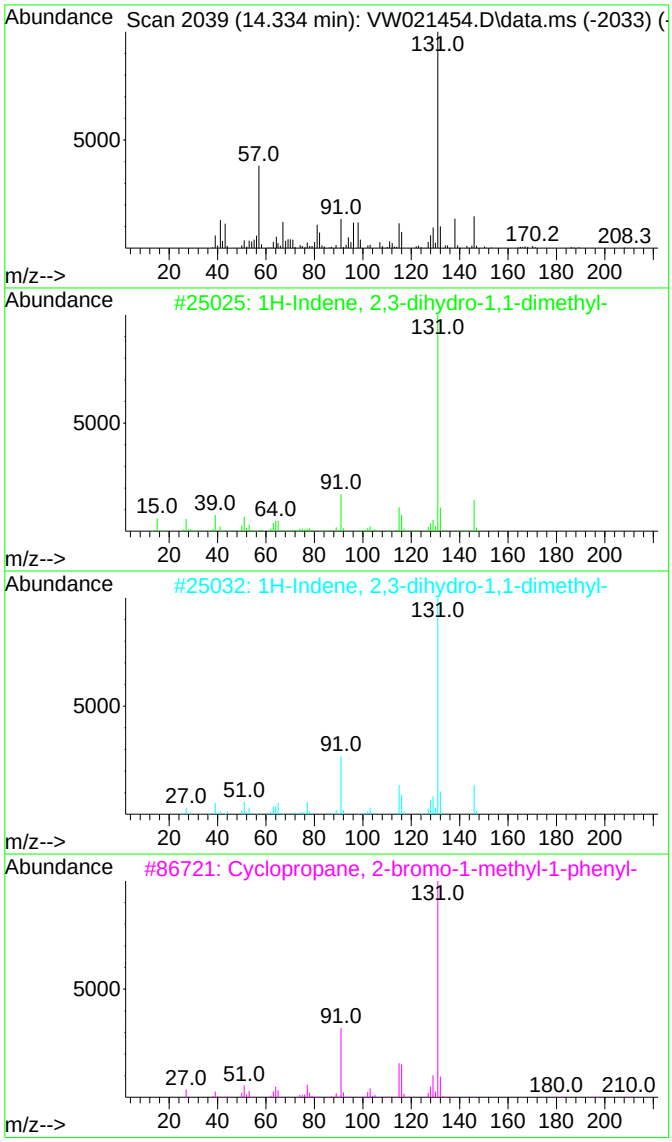
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

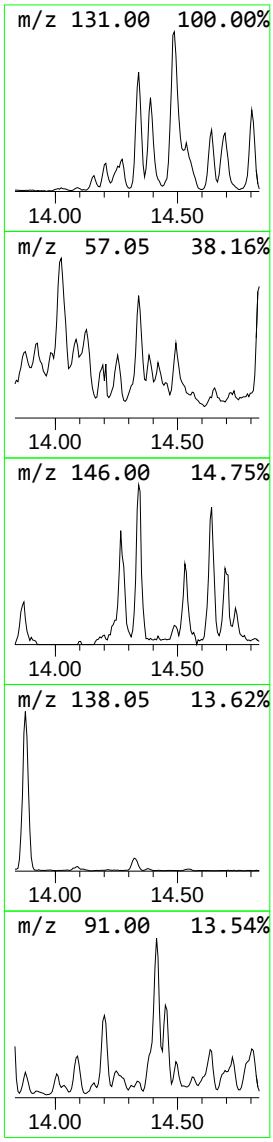
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.335	7.36 ug/L	130113	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	76
2	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	68
3	Cyclopropane, 2-bromo-1-methyl-1...	210	C10H11Br	055091-64-0	53
4	1H-Indene, 2,3-dihydro-4-propyl-	160	C12H16	092013-16-6	53
5	Diisopropyl (S)-3-ethyl-4-oxo-3-...	362	C19H26N2O5	1362735-92-9	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

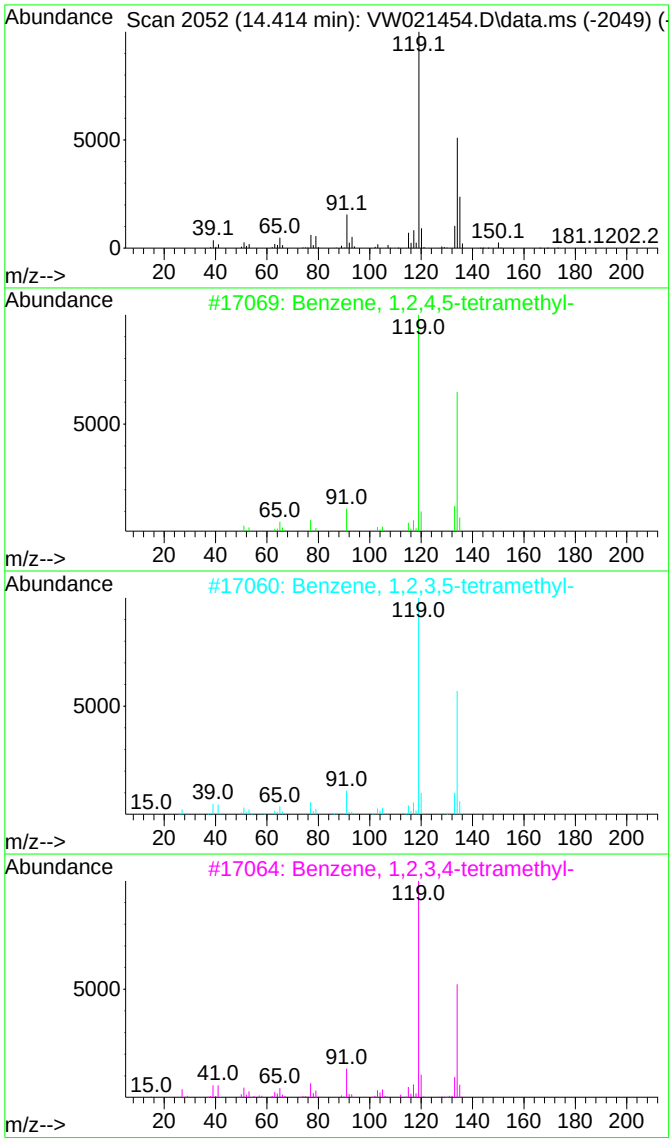
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

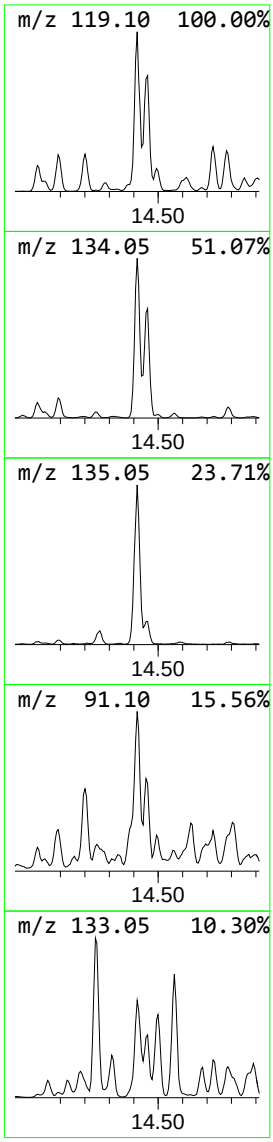
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.414	31.07 ug/L	549164	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	90
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

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

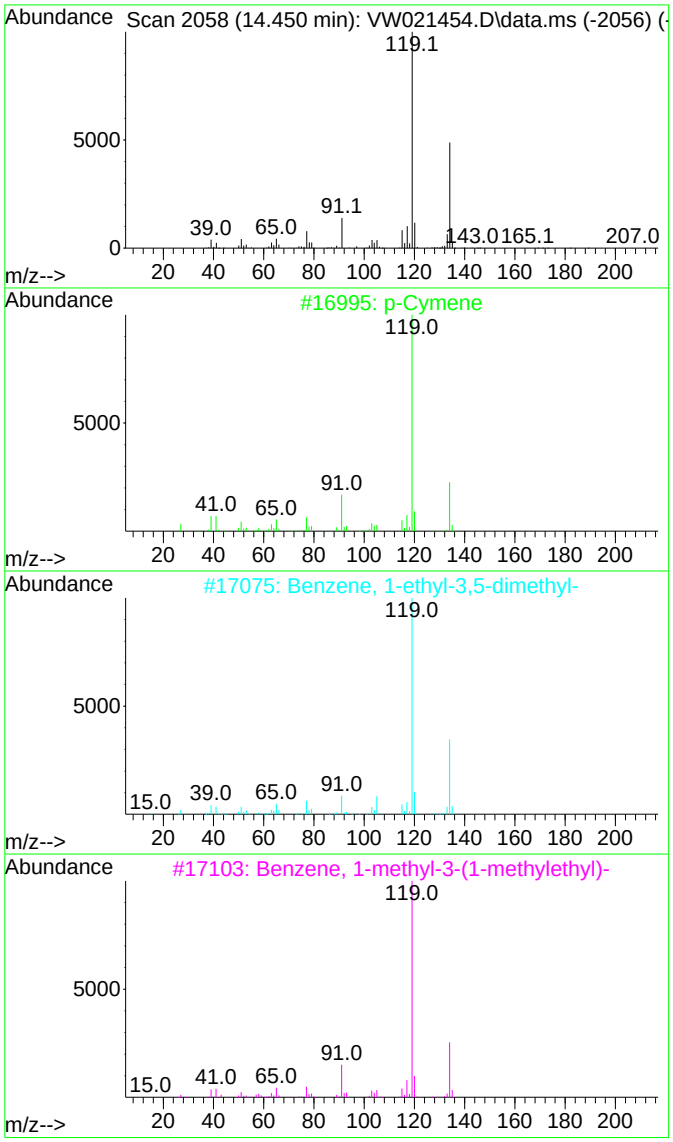
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

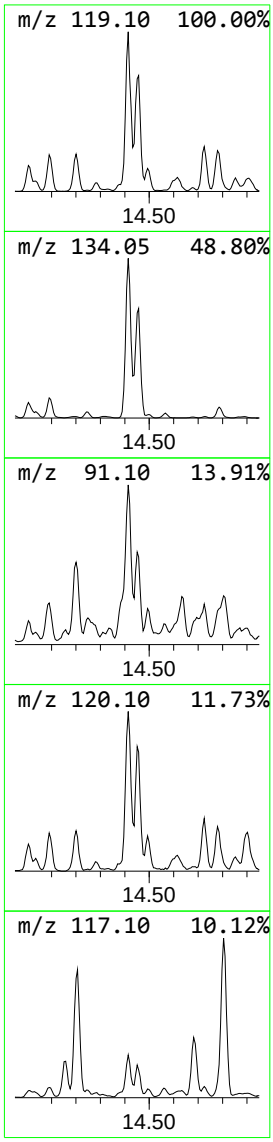
****

Peak Number 38 p-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.450	18.38 ug/L	324949	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	91
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

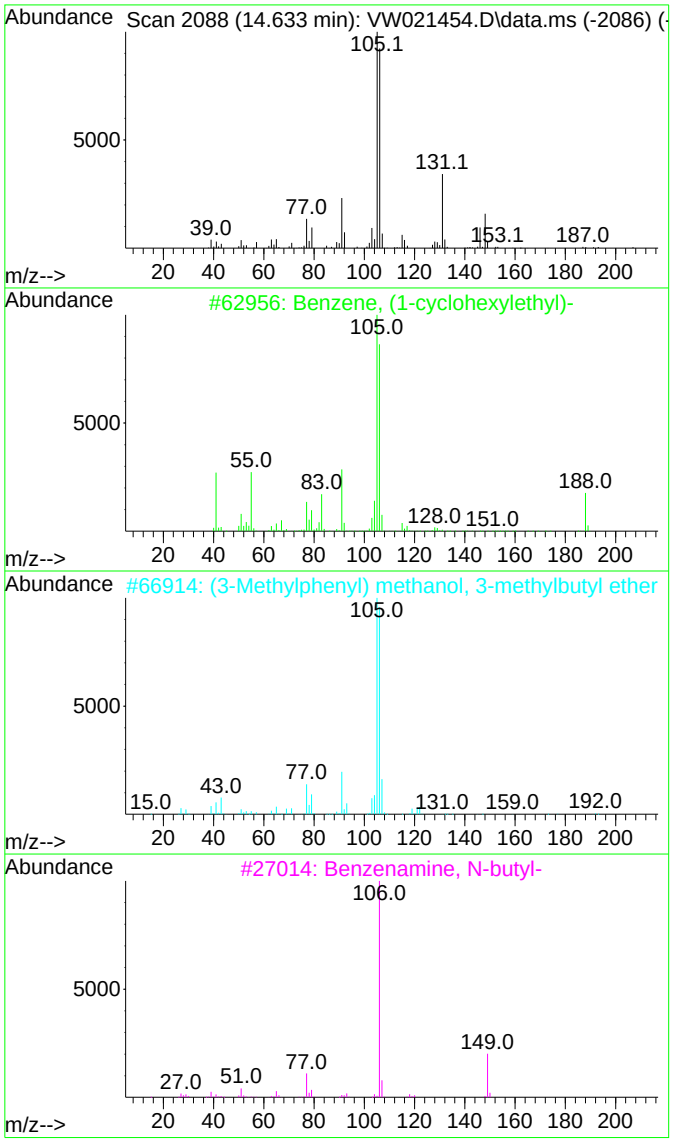
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

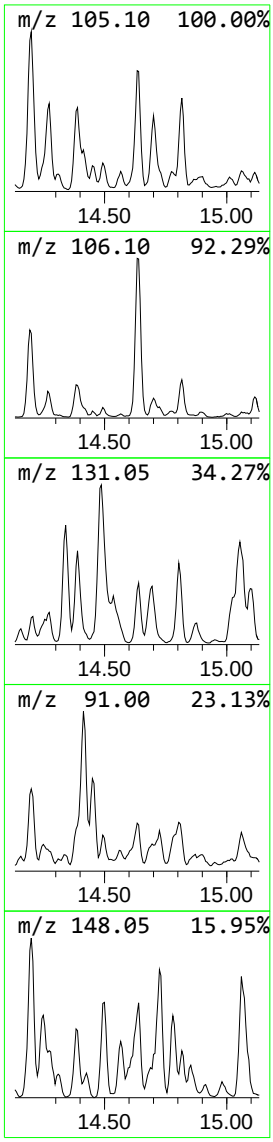
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 Benzene, (1-cyclohexylethyl)- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.633	8.02 ug/L	141685	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-cyclohexylethyl)-	188	C14H20	004413-16-5	53
2	(3-Methylphenyl) methanol, 3-met...	192	C13H20O	1000374-58-6	50
3	Benzenamine, N-butyl-	149	C10H15N	001126-78-9	43
4	N-[4-(2-Hydroxyethyl)phenyl]acet...	179	C10H13NO2	083345-11-3	43
5	Benzenamine, 4-butyl-	149	C10H15N	000104-13-2	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

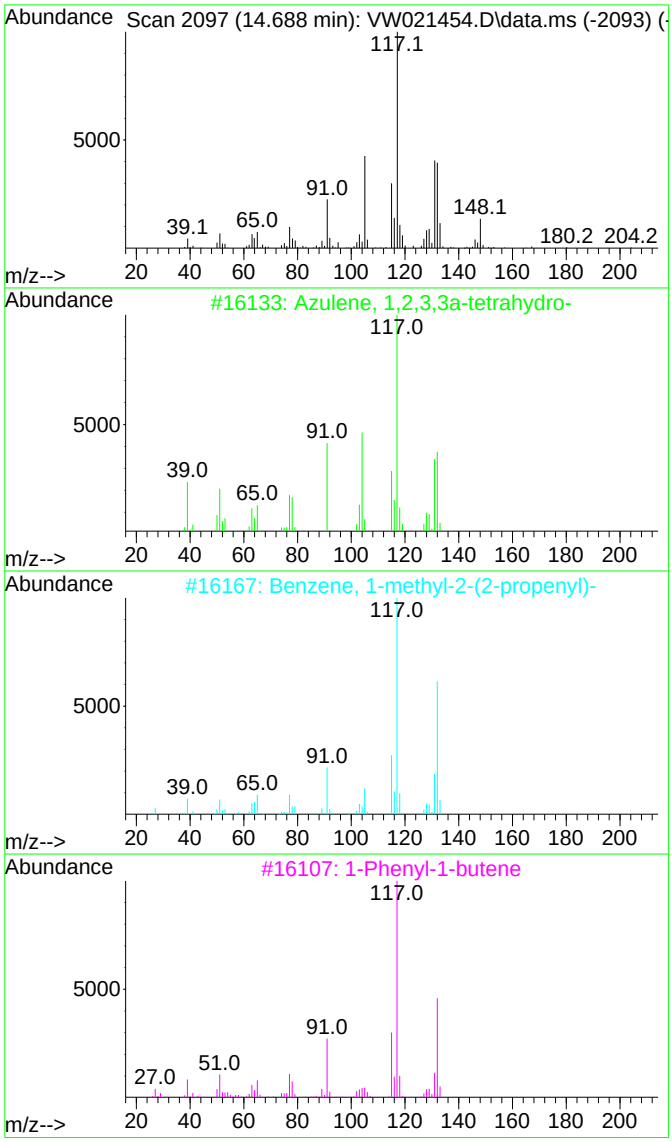
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

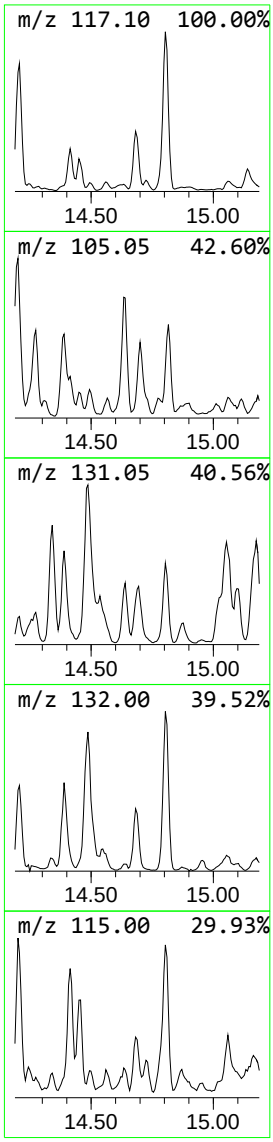
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 Azulene, 1,2,3,3a-tetrahydro- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.688	7.99 ug/L	141201	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene, 1,2,3,3a-tetrahydro-	132	C10H12	033877-87-1	90
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	76
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	76
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	76
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

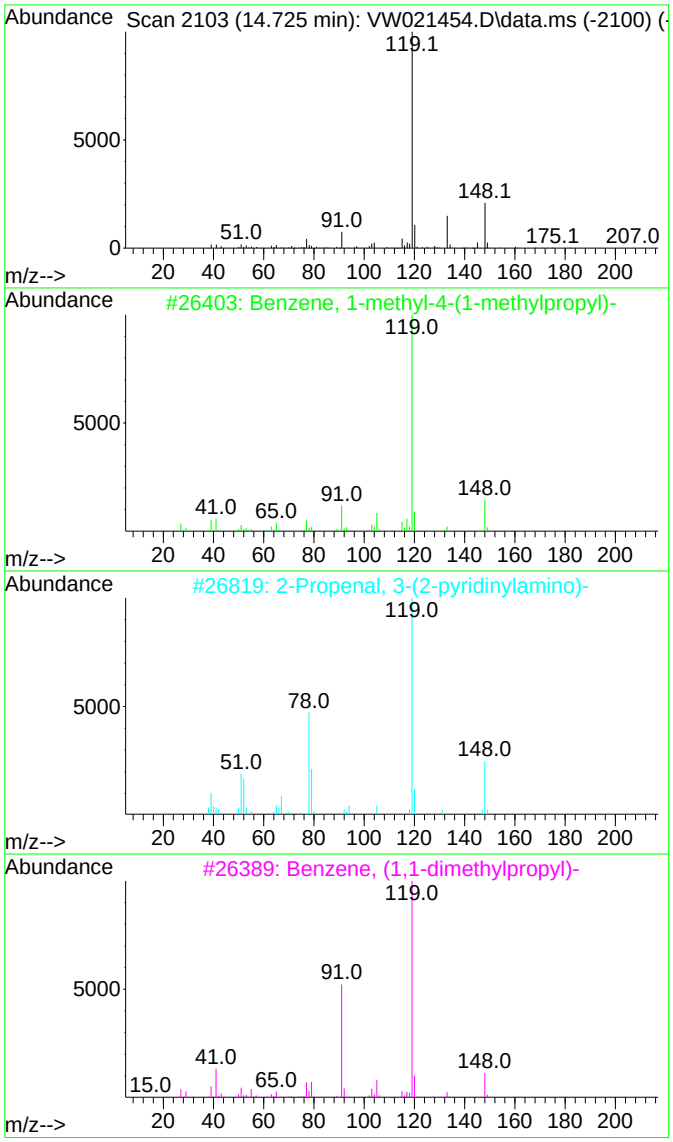
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

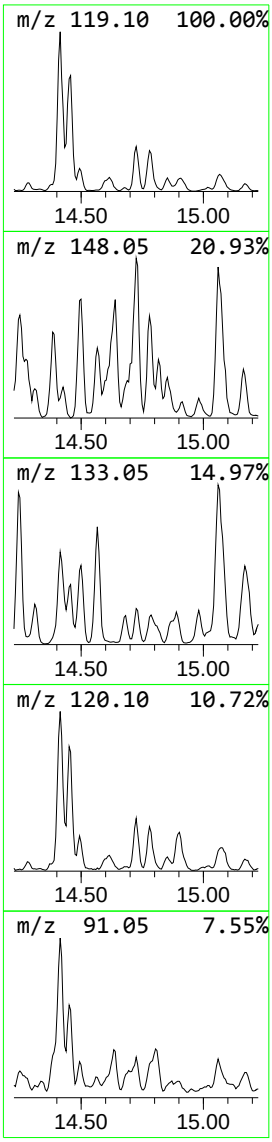
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 Benzene, 1-methyl-4-(1-meth... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.725	10.23 ug/L	180920	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	80
2	2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	72
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
5	3,5-Dimethylbenzylpentylamine	205	C14H23N	1000491-60-8	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

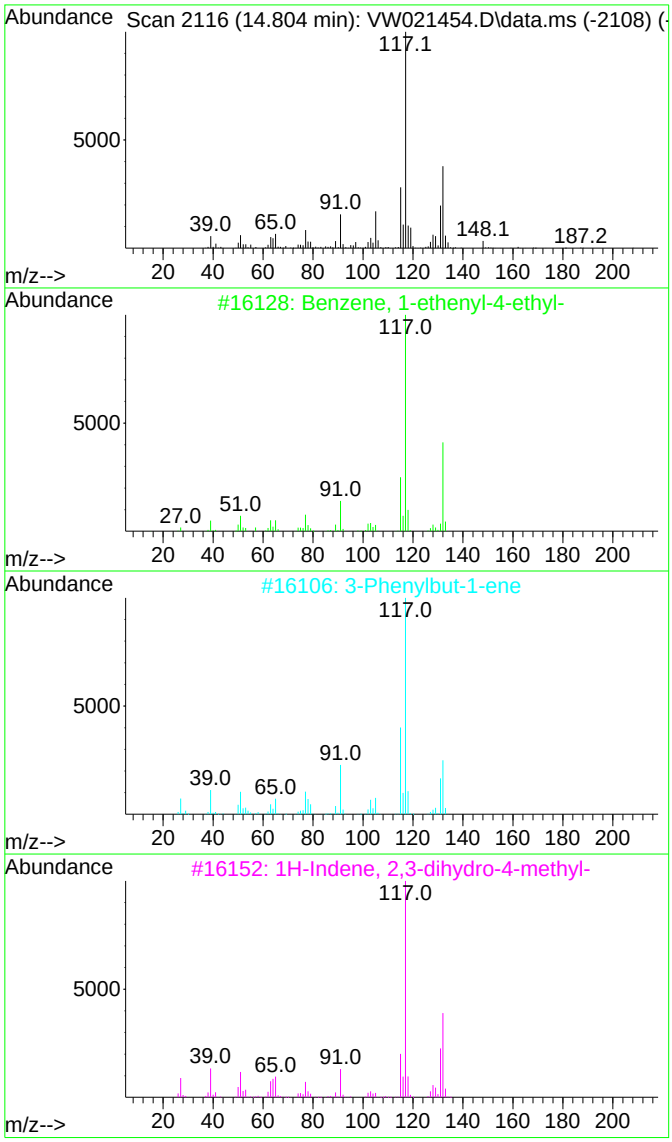
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

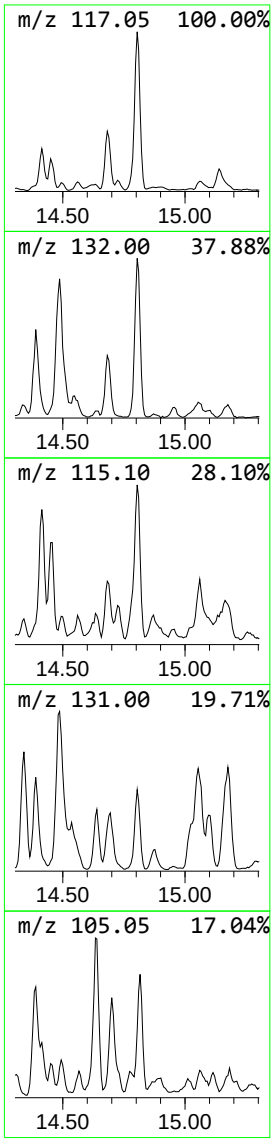
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.804	31.45 ug/L	555996	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	90
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

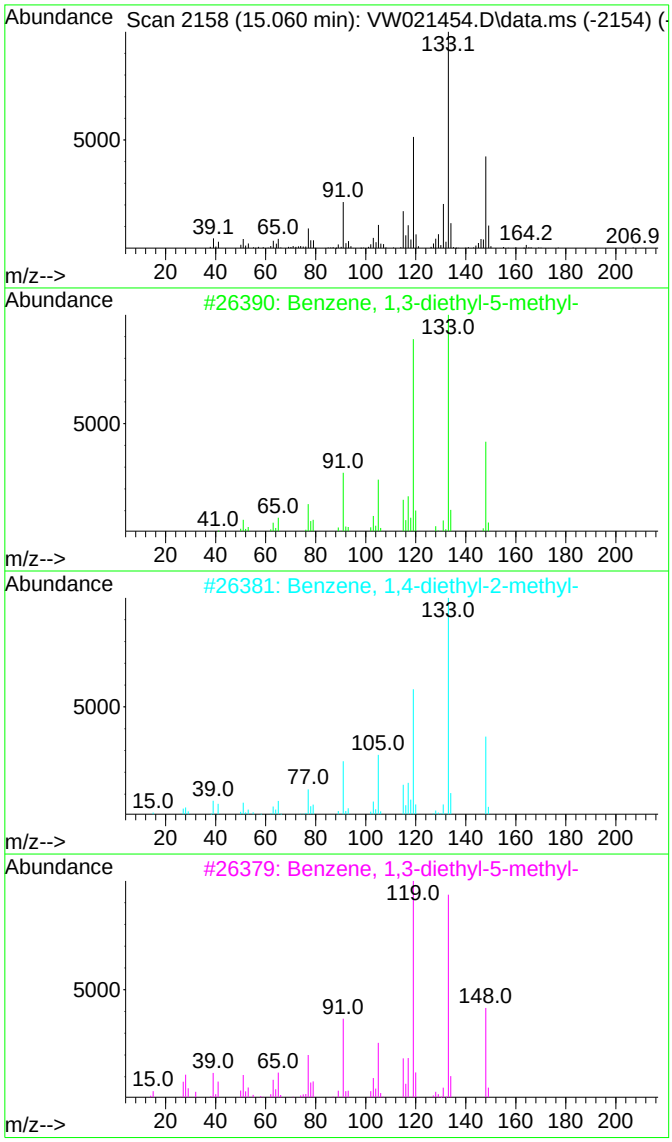
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

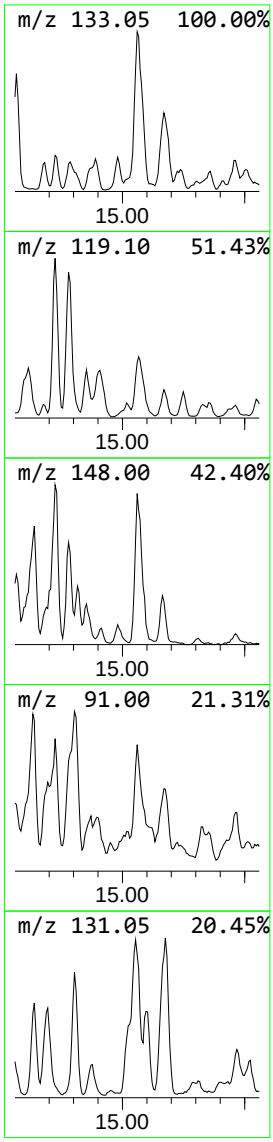
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	12.74 ug/L	225252	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	87
2	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	83
3	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	83
4	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	81
5	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

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

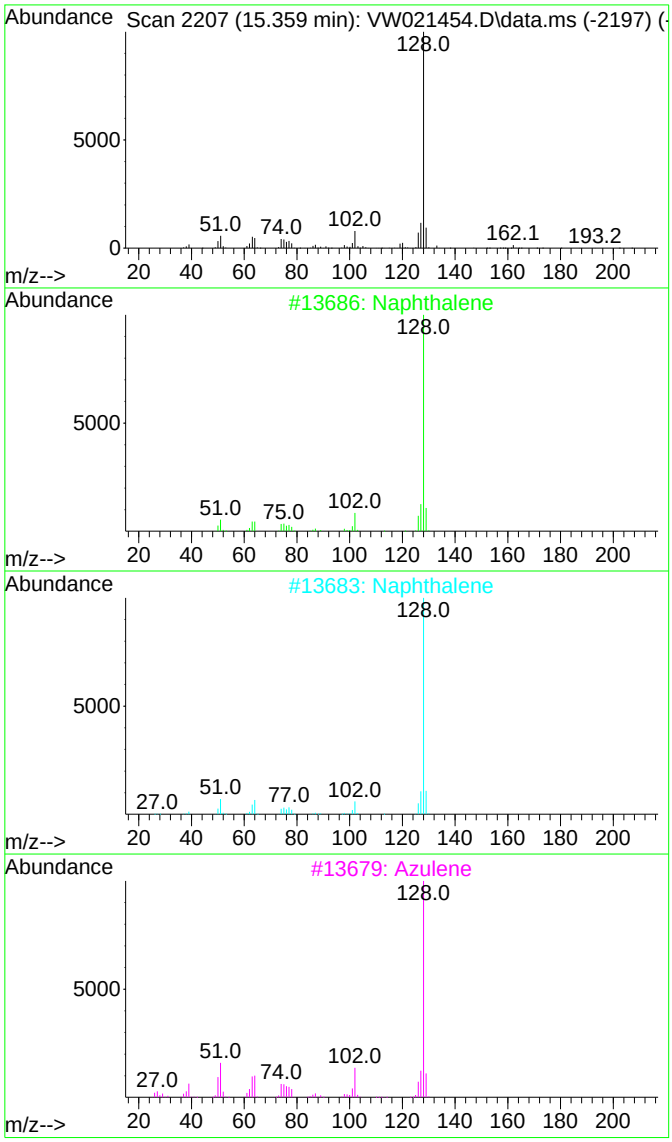
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

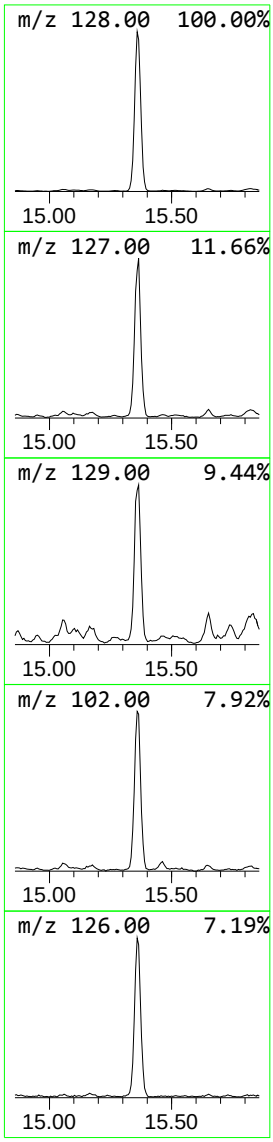
****

Peak Number 45 Azulene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.359	42.94 ug/L	759039	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	94
2	Naphthalene	128	C10H8	000091-20-3	90
3	Azulene	128	C10H8	000275-51-4	90
4	Azulene	128	C10H8	000275-51-4	90
5	Azulene	128	C10H8	000275-51-4	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

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

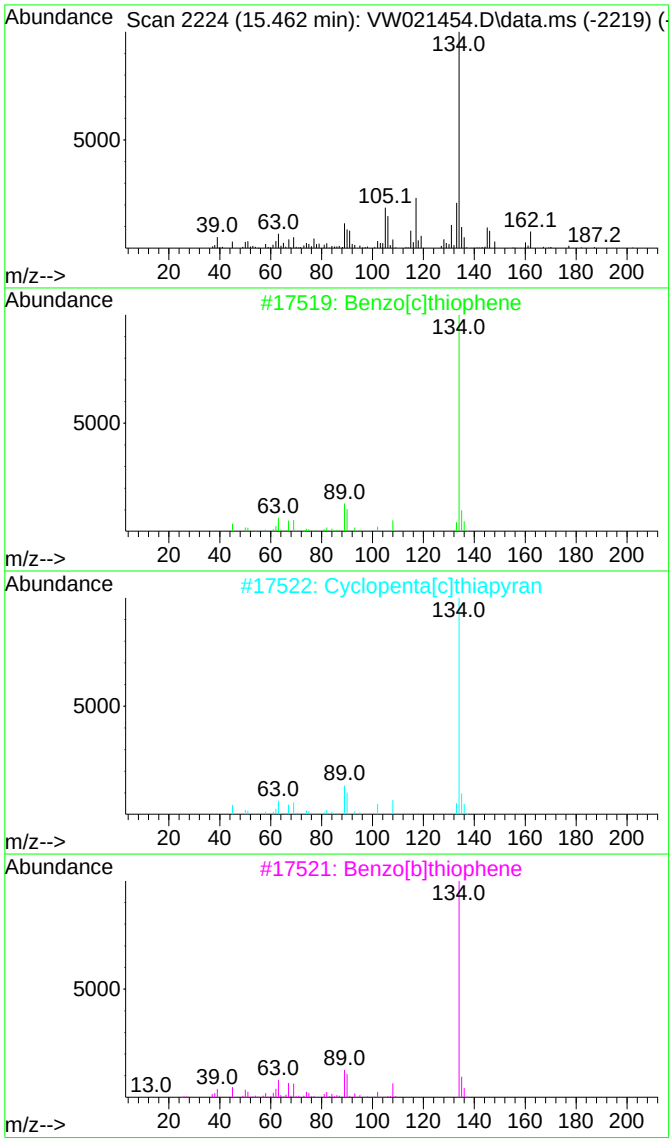
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

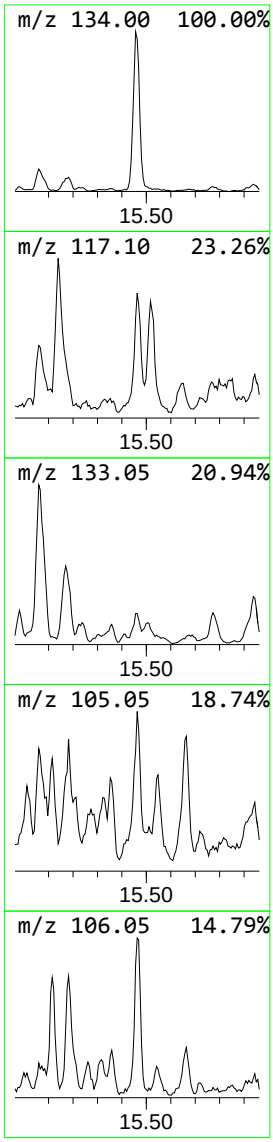
****

Peak Number 46 Benzo[c]thiophene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.462	8.90 ug/L	157254	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	87
2	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	55
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	55
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	55
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

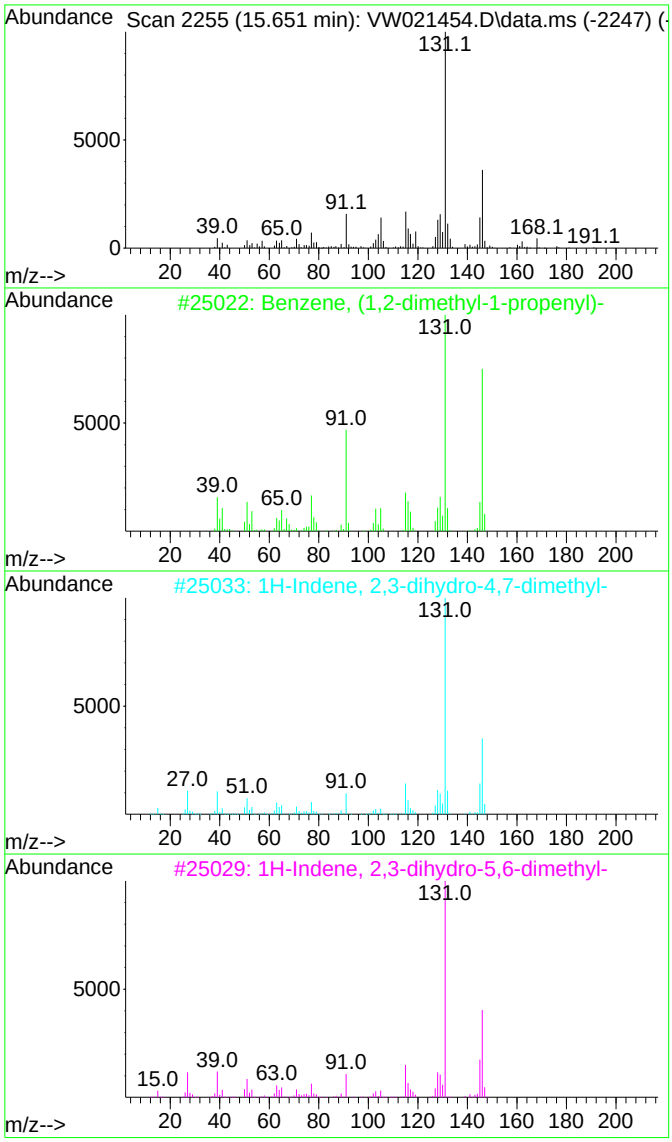
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

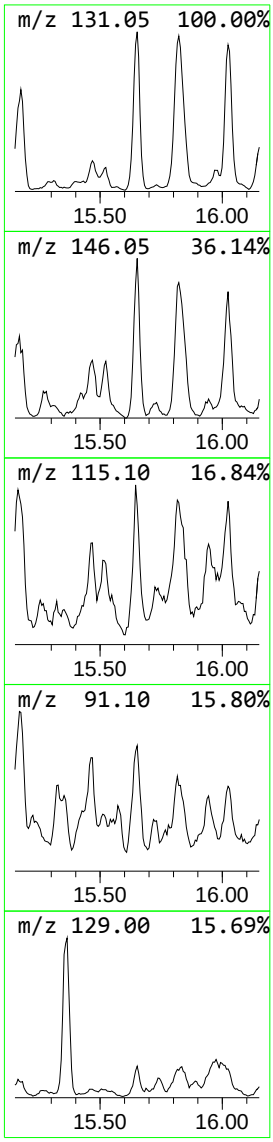
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	12.60 ug/L	222711	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	93
3	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	93
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

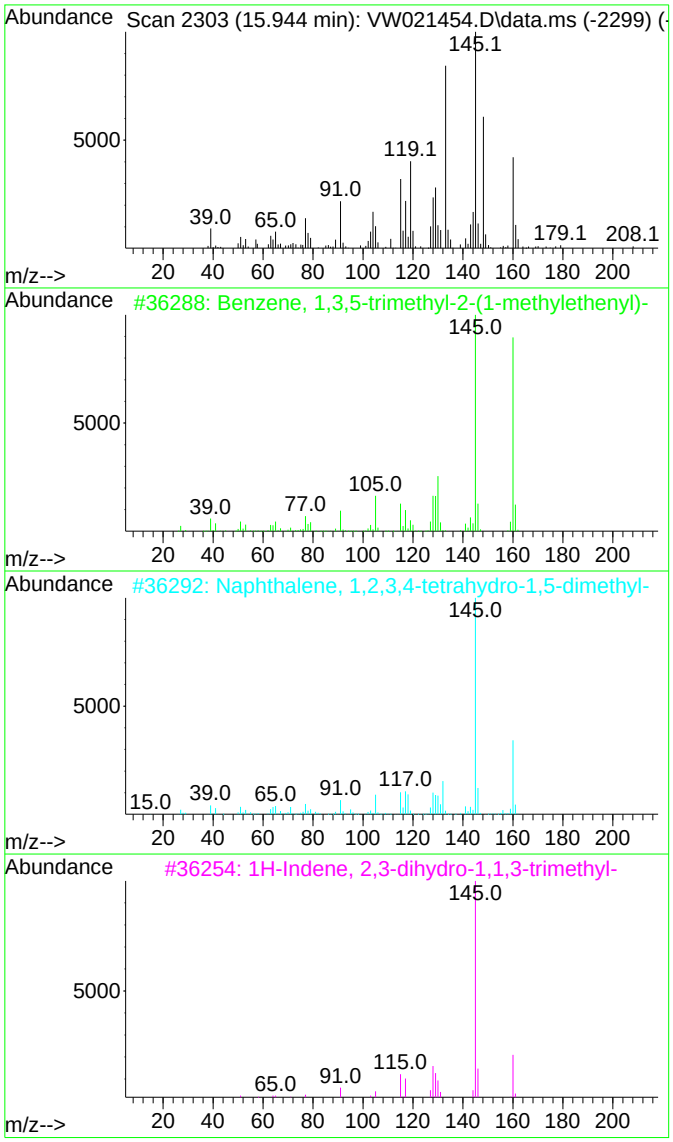
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

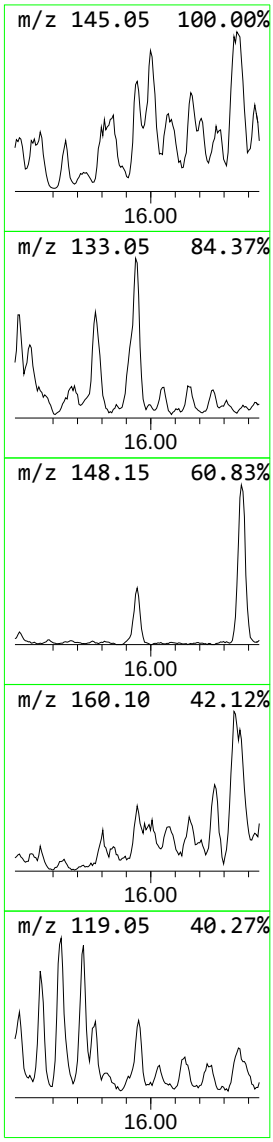
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.944	4.09 ug/L	72321	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	55
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	50
3	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	50
4	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	50
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

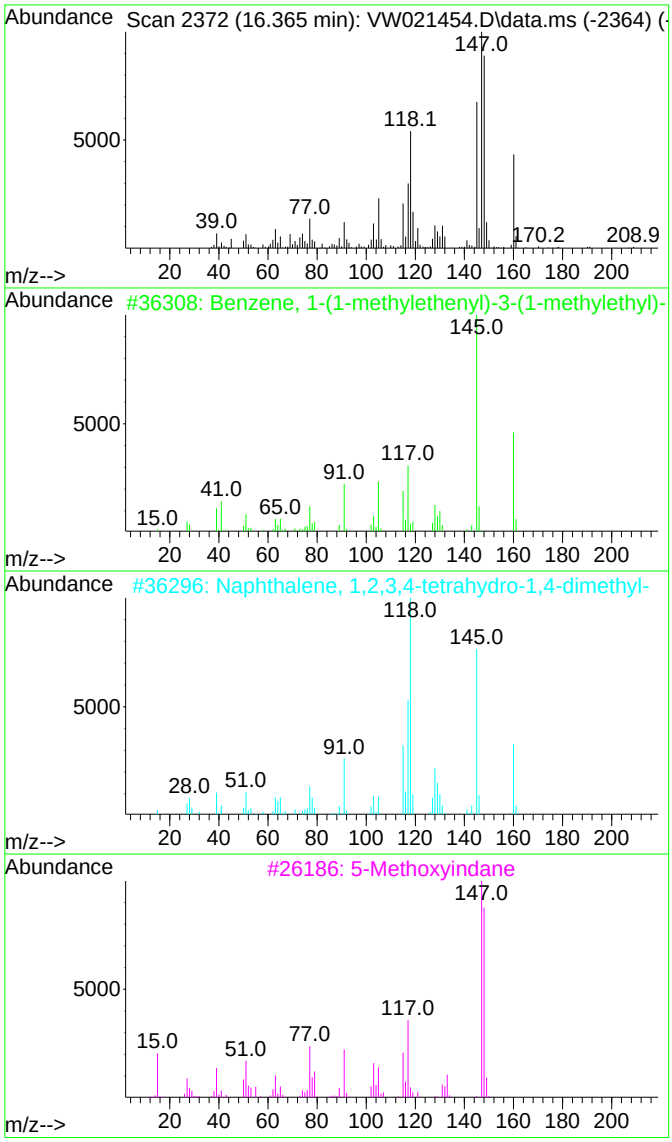
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

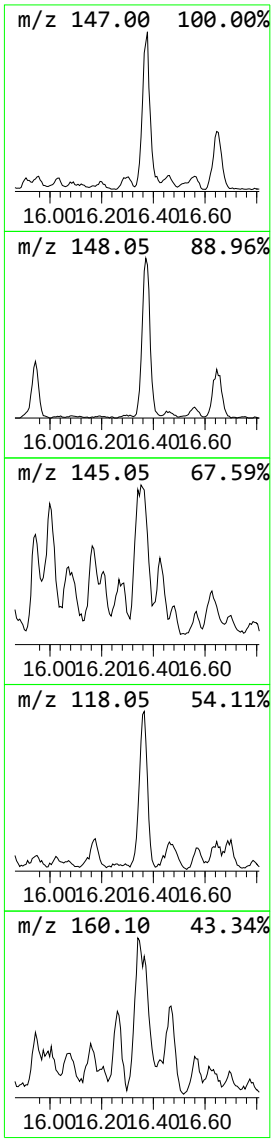
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 Benzene, 1-(1-methylethenyl... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.365	14.12 ug/L	249520	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	74
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	66
3	5-Methoxyindane	148	C10H12O	1000342-73-8	60
4	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	45
5	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021454.D
Acq On : 18 Dec 2021 04:52
Operator : SY/VA
Sample : M5153-03
Misc : 6.96g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL68

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...	8.153	4.2	ug/L	59745	1	8.842	359546	25.0
(DEL) Alkane: S...	8.476	1.6	ug/L	23147	1	8.842	359546	25.0
1-Butanol, 2-et...	9.756	1.6	ug/L	22395	1	8.842	359546	25.0
(DEL) Alkane: S...	9.896	3.4	ug/L	48596	1	8.842	359546	25.0
(DEL) Alkane: S...	9.957	5.8	ug/L	82925	1	8.842	359546	25.0
Butanoic acid, ...	10.097	10.6	ug/L	152040	1	8.842	359546	25.0
(DEL) Alkane: S...	10.244	1.8	ug/L	36749	2	11.628	499326	25.0
(DEL) Alkane: C...	10.494	1.4	ug/L	28813	2	11.628	499326	25.0
(DEL) Alkane: C...	10.664	2.7	ug/L	53490	2	11.628	499326	25.0
(DEL) Alkane: C...	10.762	1.8	ug/L	35520	2	11.628	499326	25.0
(DEL) Alkane: S...	10.841	1.7	ug/L	34240	2	11.628	499326	25.0
3,3-Dimethylcyc...	11.000	1.7	ug/L	33453	2	11.628	499326	25.0
(DEL) Alkane: C...	11.110	3.1	ug/L	62320	2	11.628	499326	25.0
(DEL) Alkane: C...	11.183	4.3	ug/L	86887	2	11.628	499326	25.0
(DEL) Alkane: C...	11.225	4.7	ug/L	93752	2	11.628	499326	25.0
(DEL) Alkane: S...	11.274	3.3	ug/L	64959	2	11.628	499326	25.0
(DEL) Alkane: S...	11.335	3.8	ug/L	75542	2	11.628	499326	25.0
(DEL) Alkane: S...	11.408	17.5	ug/L	349527	2	11.628	499326	25.0
(DEL) Alkane: S...	11.512	14.4	ug/L	288152	2	11.628	499326	25.0
(DEL) Alkane: C...	11.914	9.2	ug/L	183507	2	11.628	499326	25.0
(DEL) Alkane: S...	12.060	6.0	ug/L	120382	2	11.628	499326	25.0
(DEL) Alkane: S...	12.249	9.3	ug/L	186254	2	11.628	499326	25.0
(DEL) Alkane: C...	12.304	6.6	ug/L	131444	2	11.628	499326	25.0
Pentalene, octa...	12.341	14.3	ug/L	284785	2	11.628	499326	25.0
(DEL) Alkane: C...	12.384	14.0	ug/L	279478	2	11.628	499326	25.0
Benzene, propyl-	12.798	37.8	ug/L	668584	3	13.554	441923	25.0
(DEL) Alkane: C...	12.859	14.2	ug/L	251231	3	13.554	441923	25.0
(DEL) Alkane: S...	13.079	8.8	ug/L	155811	3	13.554	441923	25.0
(DEL) Alkane: S...	13.164	21.5	ug/L	379375	3	13.554	441923	25.0
Indane	13.755	199.9	ug/L	3534240	3	13.554	441923	25.0
Benzene, 1-ethy...	14.091	10.1	ug/L	178279	3	13.554	441923	25.0
Benzene, 1,3-di...	14.200	23.9	ug/L	423141	3	13.554	441923	25.0
Adamantane	14.255	16.0	ug/L	282532	3	13.554	441923	25.0
1H-Indene, 2,3-...	14.335	7.4	ug/L	130113	3	13.554	441923	25.0
Benzene, 1,2,4,...	14.414	31.1	ug/L	549164	3	13.554	441923	25.0
p-Cymene	14.450	18.4	ug/L	324949	3	13.554	441923	25.0
Benzene, (1-cyc...	14.633	8.0	ug/L	141685	3	13.554	441923	25.0
Azulene, 1,2,3,...	14.688	8.0	ug/L	141201	3	13.554	441923	25.0
Benzene, 1-meth...	14.725	10.2	ug/L	180920	3	13.554	441923	25.0
Benzene, 1-ethe...	14.804	31.4	ug/L	555996	3	13.554	441923	25.0
Benzene, 1,4-di...	15.060	12.7	ug/L	225252	3	13.554	441923	25.0
Azulene	15.359	42.9	ug/L	759039	3	13.554	441923	25.0
Benzo[c]thiophene	15.462	8.9	ug/L	157254	3	13.554	441923	25.0
Benzene, (1,2-d...	15.651	12.6	ug/L	222711	3	13.554	441923	25.0
Benzene, 1,3,5-...	15.944	4.1	ug/L	72321	3	13.554	441923	25.0
Benzene, 1-(1-m...	16.365	14.1	ug/L	249520	3	13.554	441923	25.0