LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

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: VW021467.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.349	63	73	82	rBV	58995	102748	0.33%	0.084%
2	2.885	153	161	170	rVB	26166	55366	0.18%	0.045%
3	3.684	284	292	305	rBV	20641	49273	0.16%	0.040%
4	4.019	335	347	359	rVV	66546	198757	0.64%	0.162%
5	4.952	480	500	516	rBV4	23704	112147	0.36%	0.092%
6	5.434	567	579	592	rBV2	21365	72116	0.23%	0.059%
7	5.940	651	662	675	rVB	35031	103678	0.33%	0.085%
8	7.171	855	864	877	rVB	174929	462180	1.49%	0.377%
9	7.647	931	942	958	rVB	91742	238651	0.77%	0.195%
10	7.921	979	987	998	rBV2	40973	106563	0.34%	0.087%
11	8.159	1015	1026	1033	rBV	48283	111735	0.36%	0.091%
12	8.275	1036	1045	1050	rBV	181615	471433	1.52%	0.385%
13	8.482	1074	1079	1089	rVV4	18389	66665	0.22%	0.054%
14	8.695	1104	1114	1127	rVB	48211	102798	0.33%	0.084%
15	8.842	1127	1138	1152	rBV2	190288	408622	1.32%	0.334%
16	9.073	1168	1176	1183	rBV	39375	87130	0.28%	0.071%
17	9.275	1201	1209	1214	rVV	124418	269170	0.87%	0.220%
18	9.329	1214	1218	1224	rVV4	58758	135068	0.44%	0.110%
19	9.957	1316	1321	1325	rBV	33631	60698	0.20%	0.050%
20	10.037	1329	1334	1339	rVV	64215	108263	0.35%	0.088%
21	10.098	1339	1344	1355	rVB	37387	80290	0.26%	0.066%
22	10.323	1374	1381	1386	rBV	293990	534932	1.73%	0.437%
23	10.384	1386	1391	1404	rVB	494601	882219	2.85%	0.721%
24	10.506	1404	1411	1417	rVB3	26982	57032	0.18%	0.047%
25	10.579	1417	1423	1432	rBV	48887	90974	0.29%	0.074%
26	10.756	1445	1452	1461	rBV4	27032	70297	0.23%	0.057%
27	10.847	1462	1467	1473	rVB4	21571	44498	0.14%	0.036%
28	10.927	1473	1480	1486	rBV2	80561	166697	0.54%	0.136%
29	11.030	1493	1497	1500	rVV2	40623	75952	0.25%	0.062%
30	11.067	1500	1503	1507	rVV2	26184	43112	0.14%	0.035%
31	11.110	1507	1510	1513	rVV	26589	46452	0.15%	0.038%
32	11.183	1518	1522	1526	rVV4	34294	71107	0.23%	0.058%
33	11.225	1526	1529	1533	rVV3	34885	67361	0.22%	0.055%
34	11.274	1533	1537	1543	rVV2	32958	74494	0.24%	0.061%
35	11.335	1543	1547	1551	rVV2	48438	87589	0.28%	0.072%
36	11.408	1551	1559	1571	rVB2	128563	372136	1.20%	0.304%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

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	11.512	1571	1576	1582	rBV	135189	222202	0.72%	0.181%
38	11.634	1587	1596	1604	rBV2	283046	565384	1.83%	0.462%
39	11.731	1604	1612	1621	rVV	7290307	11523354	37.23%	9.411%
40	11.835	1621	1629	1640	rVV	15762363	30954085	100.00%	25.281%
41	11.920	1640	1643	1648	rVB	69031	102097	0.33%	0.083%
42	12.061	1660	1666	1671	rVB3	56463	103303	0.33%	0.084%
43	12.164	1671	1683	1690	rBV	5663521	9554014	30.87%	7.803%
44	12.250	1692	1697	1701	rVB	143836	224713	0.73%	0.184%
45	12.335	1701	1711	1713	rBV5	99149	277607	0.90%	0.227%
46	12.384	1713	1719	1723	rVB4	108450	243309	0.79%	0.199%
47	12.463	1726	1732	1737	rBV	787384	1302569	4.21%	1.064%
48	12.536	1742	1744	1747	rVV	133149	206101	0.67%	0.168%
49	12.567	1747	1749	1755	rVB2	145071	166650	0.54%	0.136%
50	12.646	1759	1762	1766	rVB	99186	122755	0.40%	0.100%
51	12.695	1766	1770	1775	rVB2	108732	169558	0.55%	0.138%
52	12.804	1780	1788	1792	rVB	926889	1544715	4.99%	1.262%
53	12.865	1792	1798	1801	rBV	2832397	4576061	14.78%	3.737%
54	12.896	1801	1803	1807	rVV	1401238	2016352	6.51%	1.647%
55	12.945	1807	1811	1816	rVB	2201225	3356565	10.84%	2.741%
56	12.987	1816	1818	1824	rVB2	122980	178410	0.58%	0.146%
57	13.103	1824	1837	1843	rBV	1187109	2204642	7.12%	1.801%
58	13.164	1843	1847	1851	rVB	139440	168116	0.54%	0.137%
59	13.249	1855	1861	1867	rBV	6814563	10502037	33.93%	8.577%
60	13.377	1872	1882	1886	rVV3	165712	480794	1.55%	0.393%
61	13.438	1888	1892	1897	rVV2	414852	751289	2.43%	0.614%
62	13.487	1897	1900	1907	rVV3	209912	442562	1.43%	0.361%
63	13.585	1907	1916	1925	rVB2	1445276	2653225	8.57%	2.167%
64	13.719	1931	1938	1939	rBV	265608	390962	1.26%	0.319%
65	13.749	1939	1943	1946	rVV3	1078558	1847865	5.97%	1.509%
66	13.786	1946	1949	1957	rVV3	891554	1784357	5.76%	1.457%
67	13.871	1957	1963	1968	rVV4	359348	884994	2.86%	0.723%
68	13.938	1968	1974	1980	rVV2	557631	1068145	3.45%	0.872%
69	14.005	1981	1985	1988	rVV	457347	788909	2.55%	0.644%
70	14.036	1988	1990	1995	rVV	515843	698942	2.26%	0.571%
71	14.091	1995	1999	2005	rVV	654745	991592	3.20%	0.810%
72	14.200	2012	2017	2022	rVB2	348101	564406	1.82%	0.461%
73	14.249	2022	2025	2033	rVB5	62156	127849	0.41%	0.104%
74	14.335	2033	2039	2043	rBV2	243129	412609	1.33%	0.337%
75	14.414	2048	2052	2055	rVV	528322	864656	2.79%	0.706%
76	14.457	2055	2059	2062	rVV	551717	872000	2.82%	0.712%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

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	14.493	2062	2065	2069	rVV3	217270	353484	1.14%	0.289%
78	14.536	2069	2072	2080	rVB3	90133	196028	0.63%	0.160%
79	14.633	2086	2088	2092	rVB2	52771	68492	0.22%	0.056%
80	14.682	2092	2096	2100	rBV	175523	283195	0.91%	0.231%
81	14.725	2100	2103	2108	rVB2	140004	206023	0.67%	0.168%
82	14.792	2108	2114	2121	rBV2	424200	1052110	3.40%	0.859%
83	14.853	2121	2124	2130	rVB	75673	123362	0.40%	0.101%
84	14.956	2136	2141	2147	rBV2	121047	204473	0.66%	0.167%
85	15.060	2153	2158	2167	rBV3	157601	358714	1.16%	0.293%
86	15.170	2171	2176	2184	rVB4	157042	355065	1.15%	0.290%
87	15.261	2186	2191	2195	rVB4	22970	43317	0.14%	0.035%
88	15.365	2195	2208	2215	rBV	5170811	9392302	30.34%	7.671%
89	15.462	2219	2224	2231	rVV	153189	294684	0.95%	0.241%
90	15.548	2235	2238	2247	rVB3	71240	136289	0.44%	0.111%
91	15.651	2247	2255	2261	rBV2	95955	205779	0.66%	0.168%
92	15.822	2277	2283	2285	rBV	46063	85573	0.28%	0.070%
93	15.859	2286	2289	2294	rVB2	68681	109645	0.35%	0.090%
94	15.944	2298	2303	2309	rVB	46382	87589	0.28%	0.072%
95	16.023	2310	2316	2322	rBV2	34443	63581	0.21%	0.052%
96	16.170	2331	2340	2351	rBV4	47401	127515	0.41%	0.104%
97	16.371	2364	2373	2376	rBV2	57360	132137	0.43%	0.108%
98	16.438	2376	2384	2398	rVV	1843672	3967254	12.82%	3.240%
99	16.566	2398	2405	2408	rVV2	24508	60108	0.19%	0.049%
100	16.639	2408	2417	2430	rVB	1111769	2537458	8.20%	2.072%

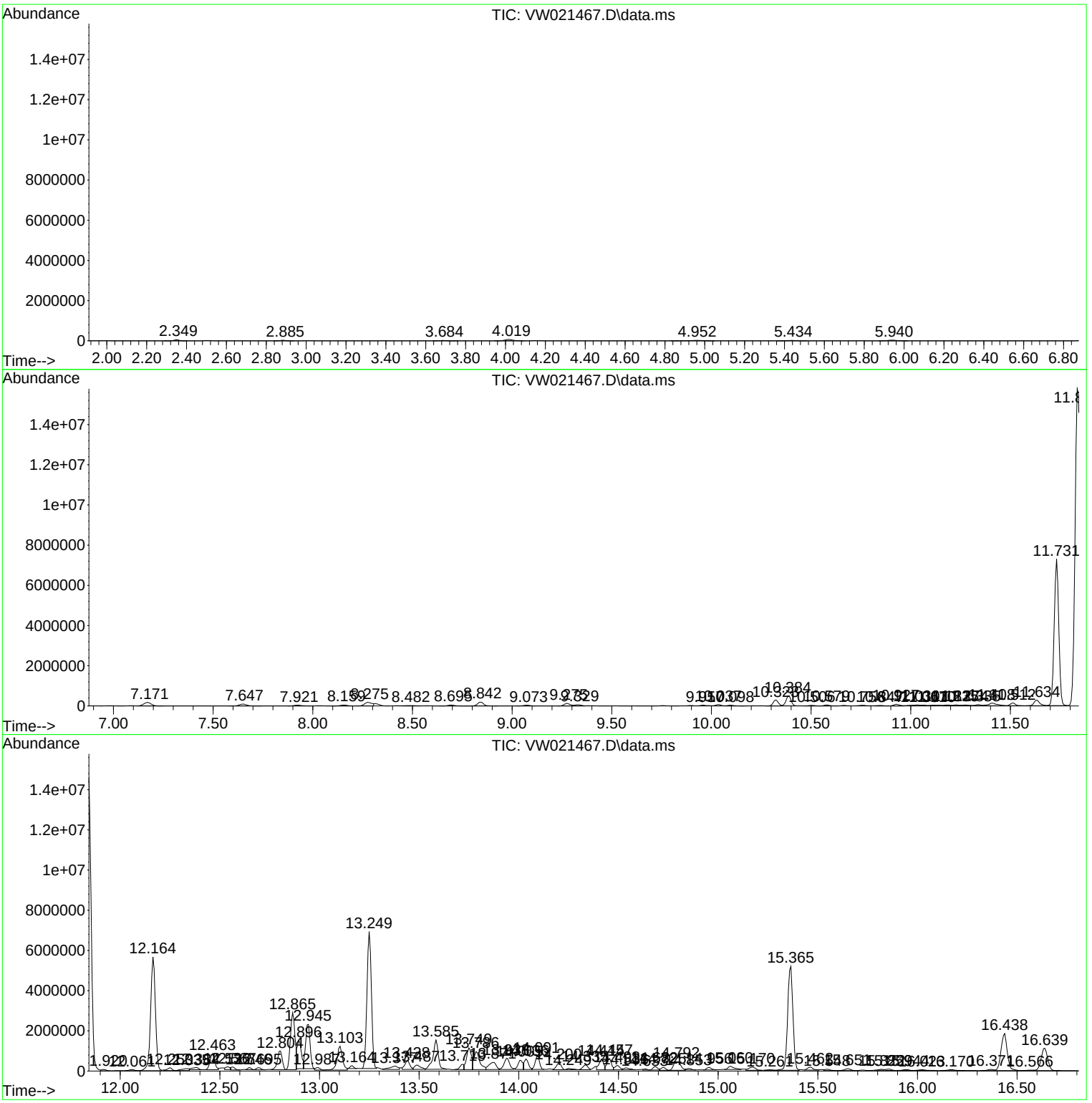
Sum of corrected areas: 122442135

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

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 : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

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

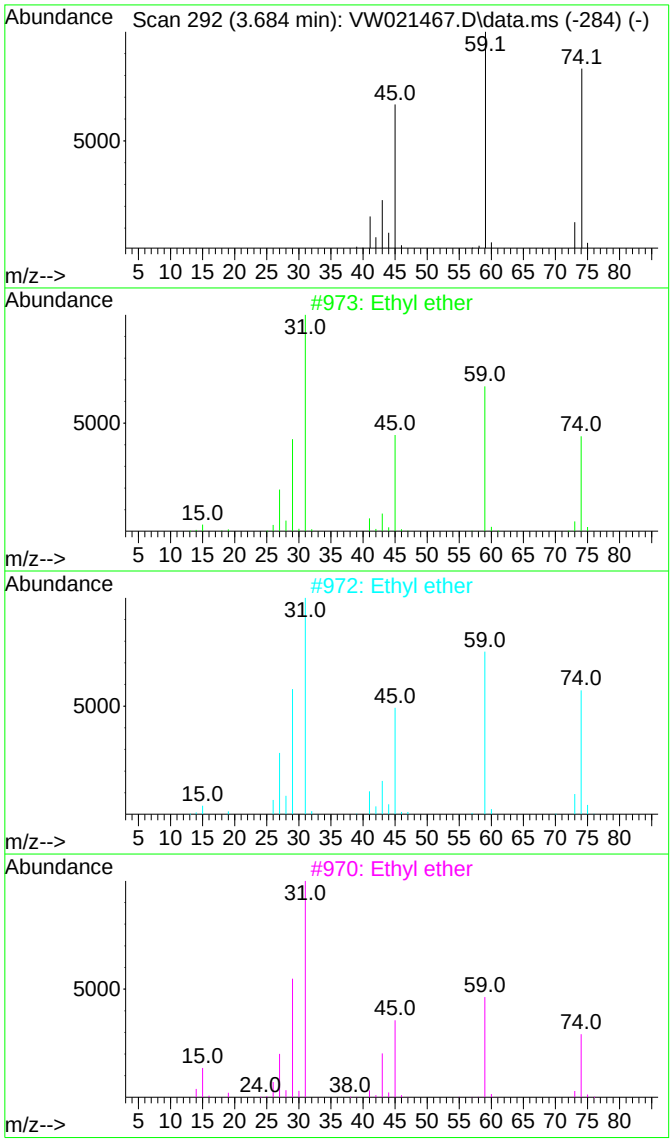
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

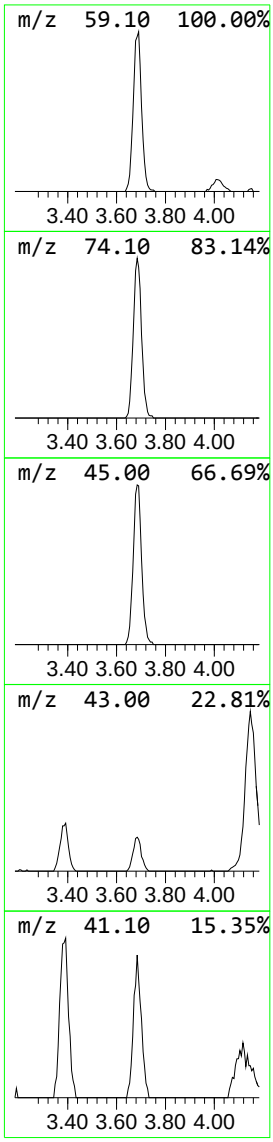
****

Peak Number 1 Ethyl ether Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.684	3.01 ug/L	49273	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl ether	74	C4H10O	000060-29-7	90
2	Ethyl ether	74	C4H10O	000060-29-7	90
3	Ethyl ether	74	C4H10O	000060-29-7	72
4	Ethyl ether	74	C4H10O	000060-29-7	59
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

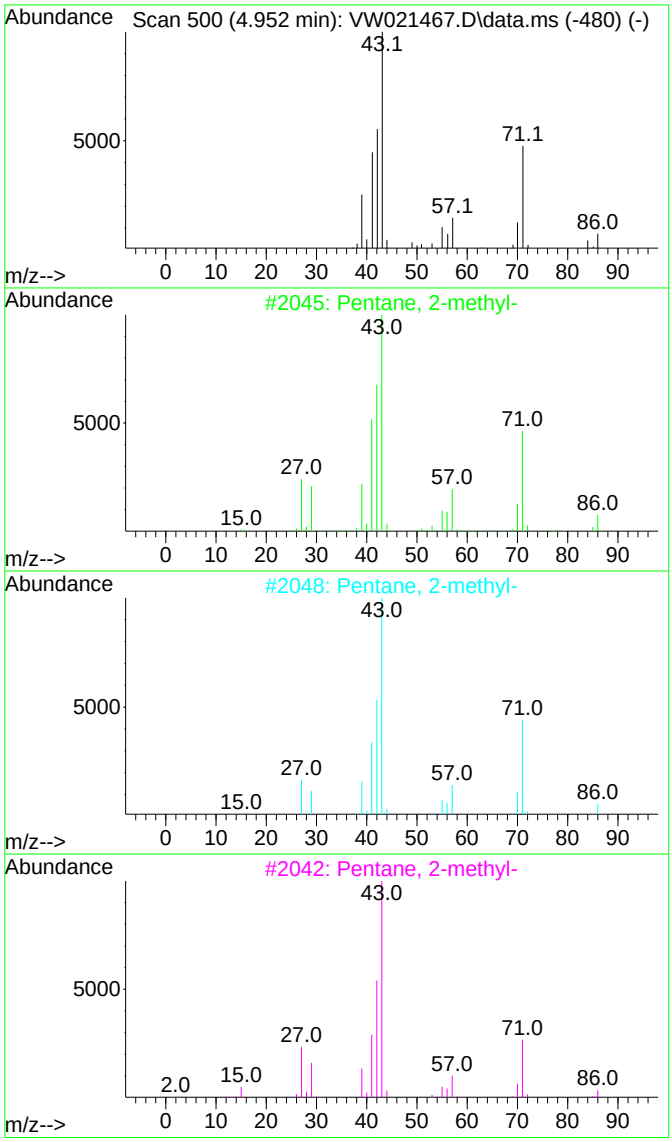
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

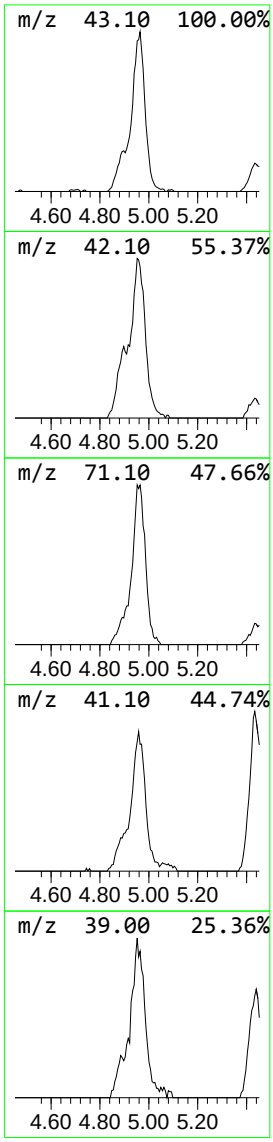
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.952	6.86 ug/L	112147	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	87
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	86
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

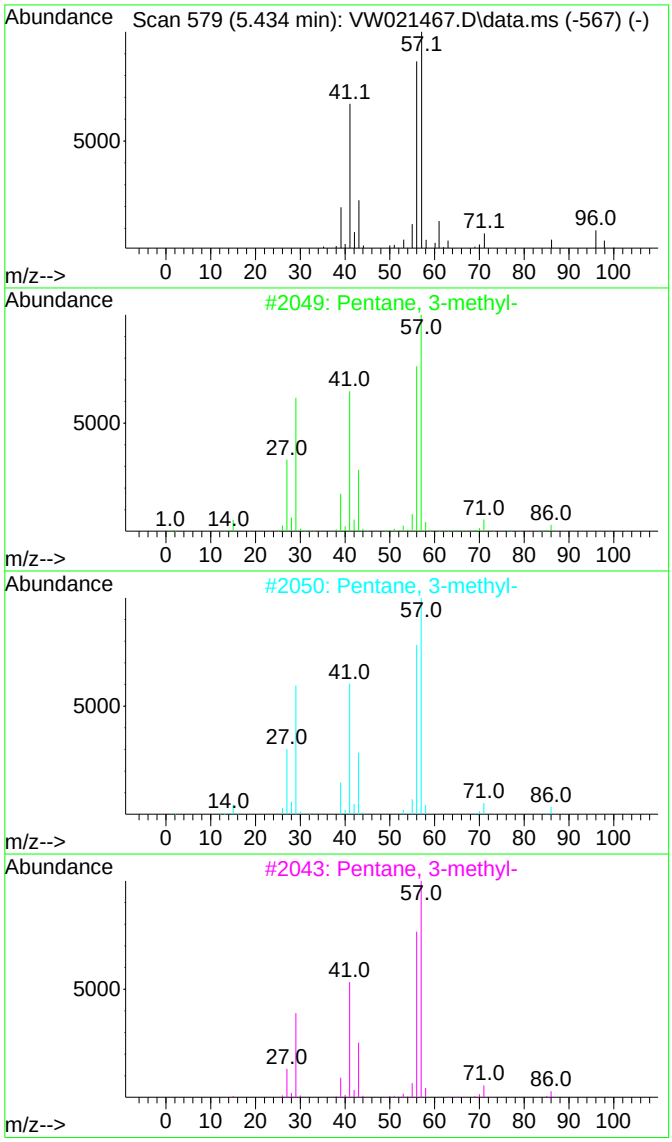
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

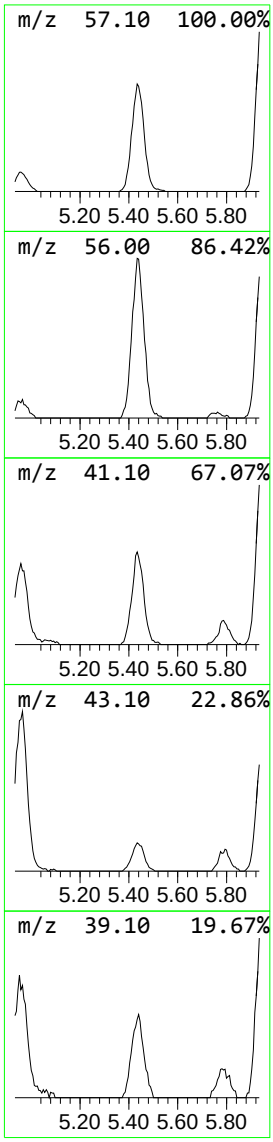
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.434	4.41 ug/L	72116	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	68
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	64
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	64
4	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	58
5	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

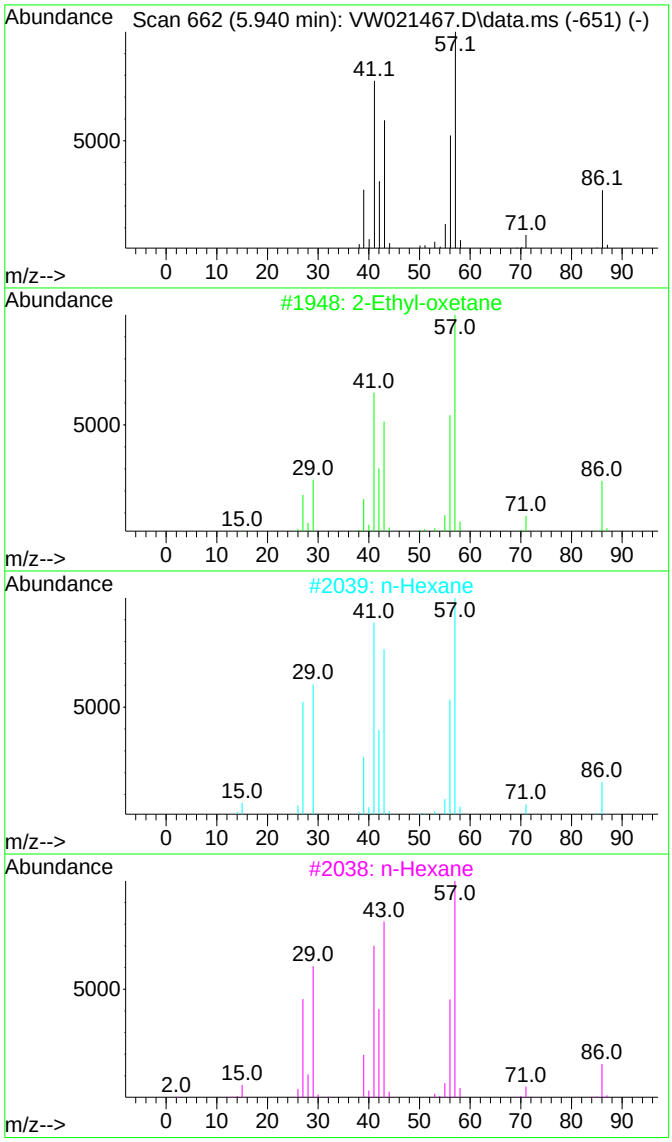
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

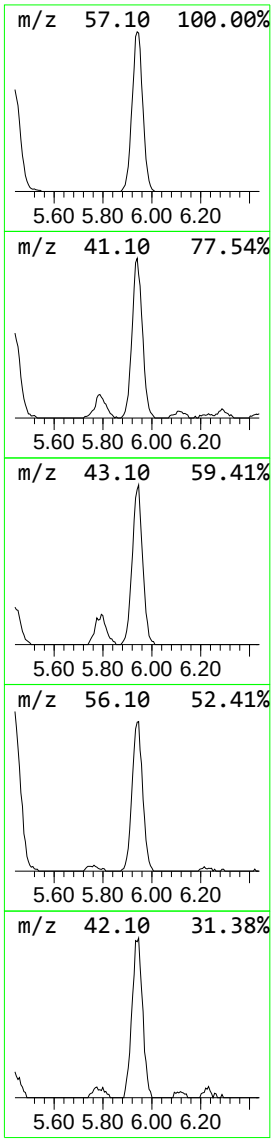
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2-Ethyl-oxetane Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.940	6.34 ug/L	103678	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	86
2	n-Hexane	86	C6H14	000110-54-3	72
3	n-Hexane	86	C6H14	000110-54-3	64
4	n-Hexane	86	C6H14	000110-54-3	64
5	n-Hexane	86	C6H14	000110-54-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

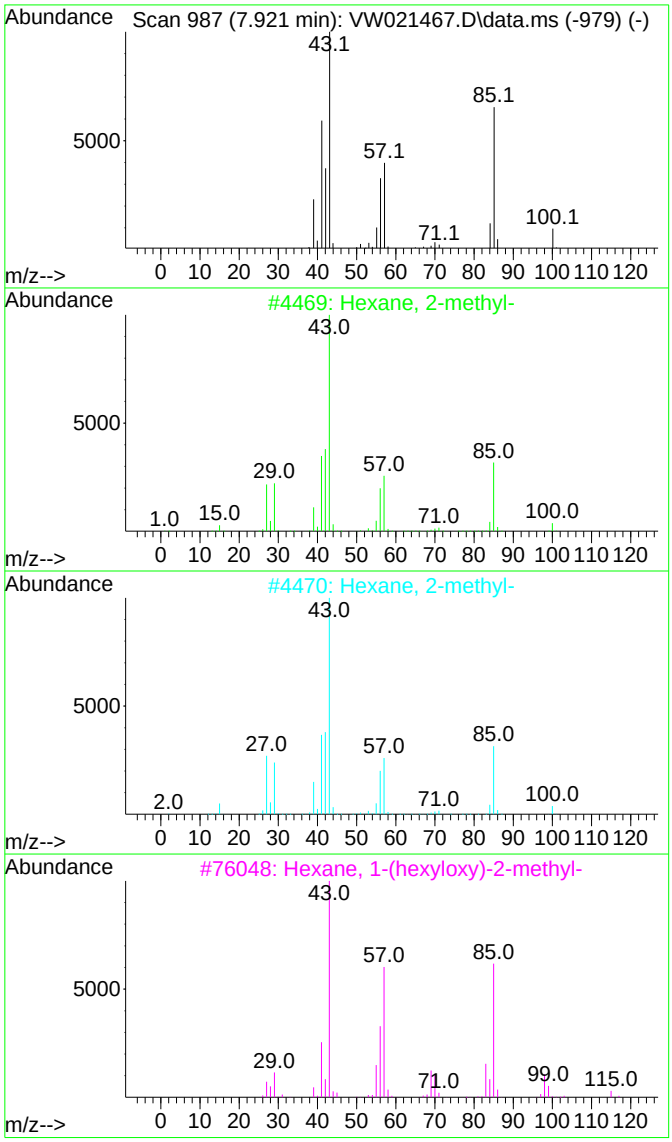
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

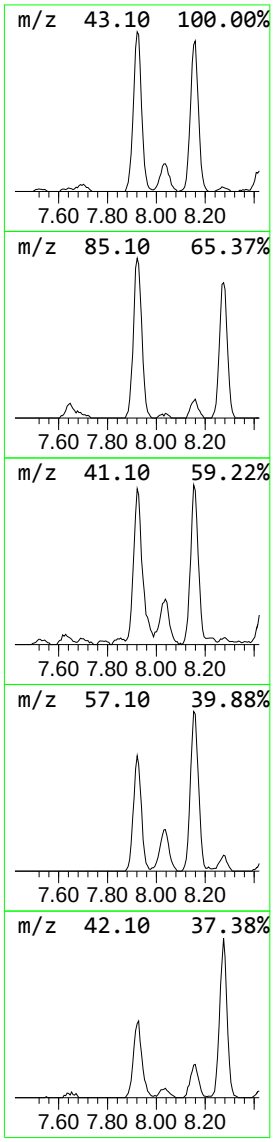
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.921	6.52 ug/L	106563	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2-methyl-	100	C7H16	000591-76-4	90
2	Hexane, 2-methyl-	100	C7H16	000591-76-4	87
3	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	59
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
5	2-Pyrrolidinone	85	C4H7NO	000616-45-5	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

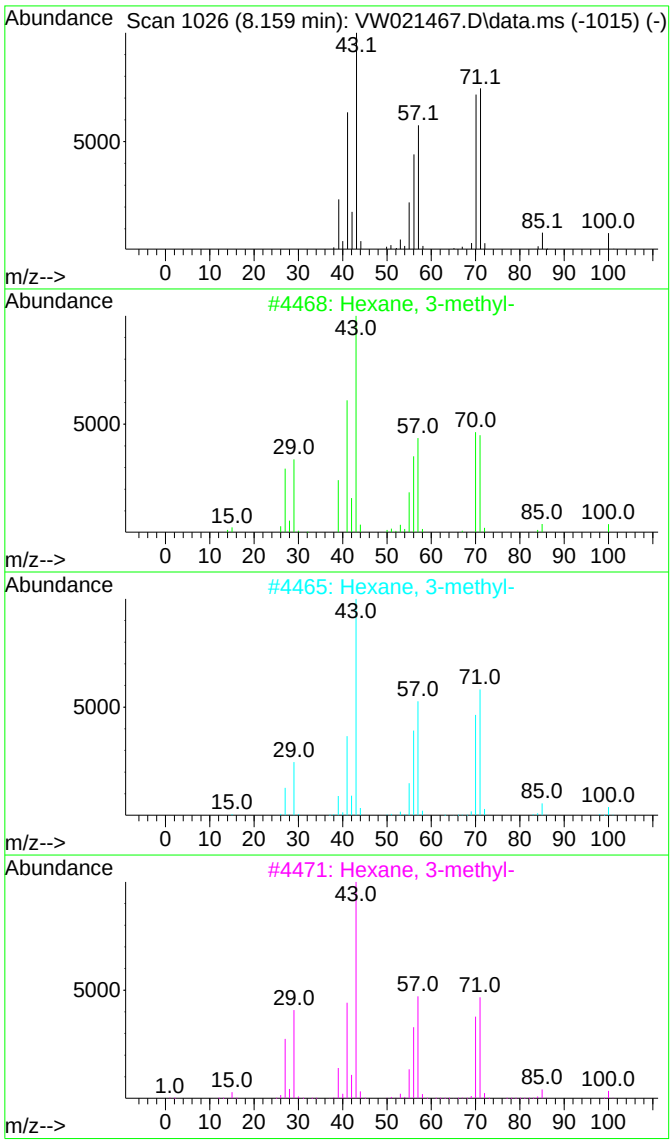
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

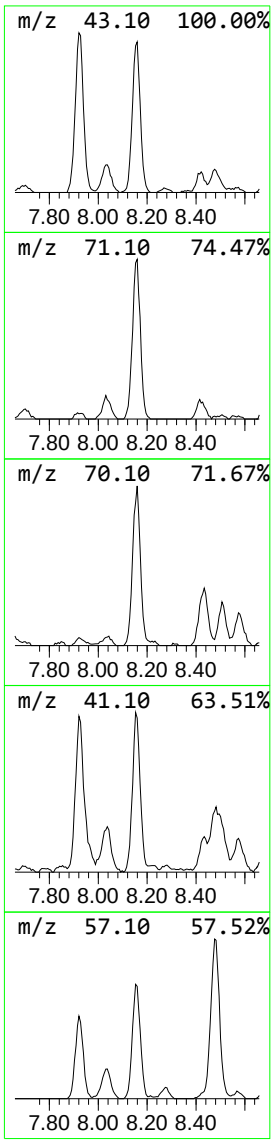
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.159	6.84 ug/L	111735	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	95
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	86
4	Heptane	100	C7H16	000142-82-5	80
5	Pyrrolidine	71	C4H9N	000123-75-1	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

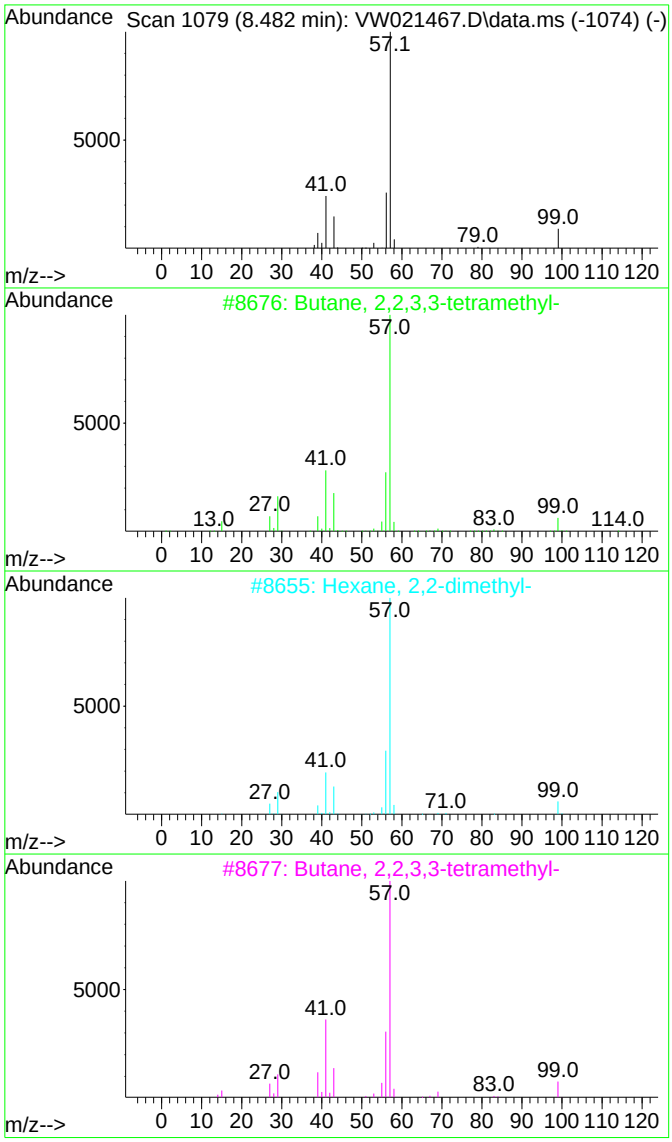
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

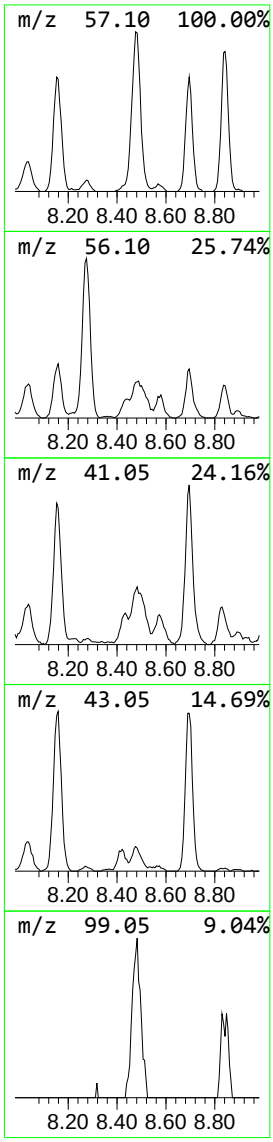
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.482	4.08 ug/L	66665	1,4-Difluorobenzene	8.848

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	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	50
4	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	43
5	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	40





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Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

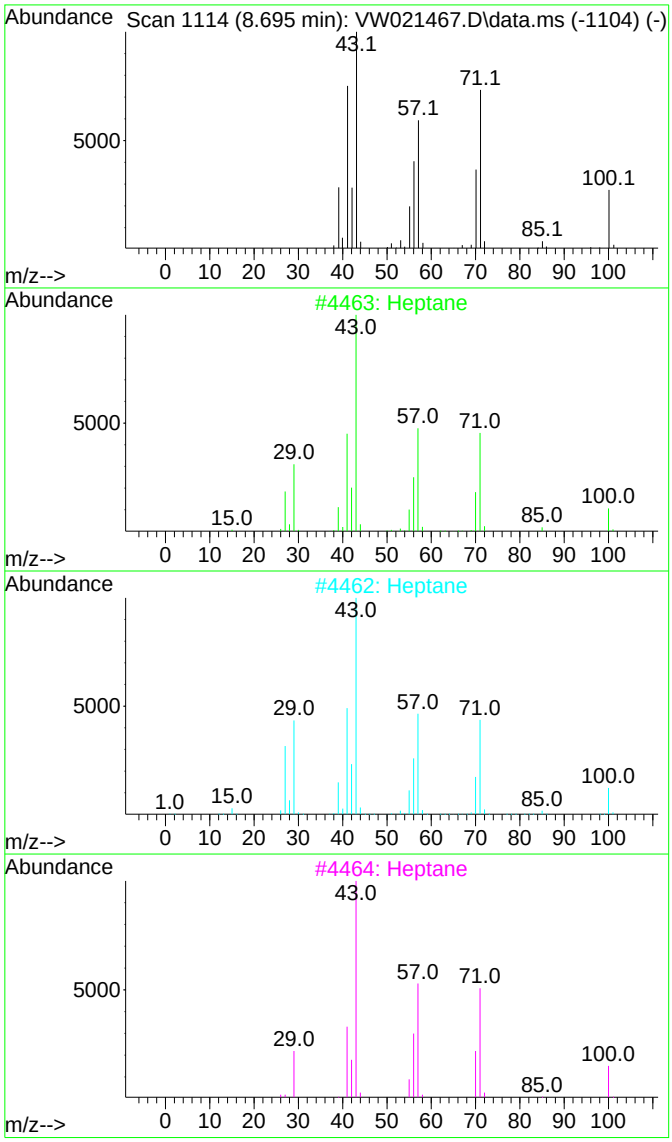
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

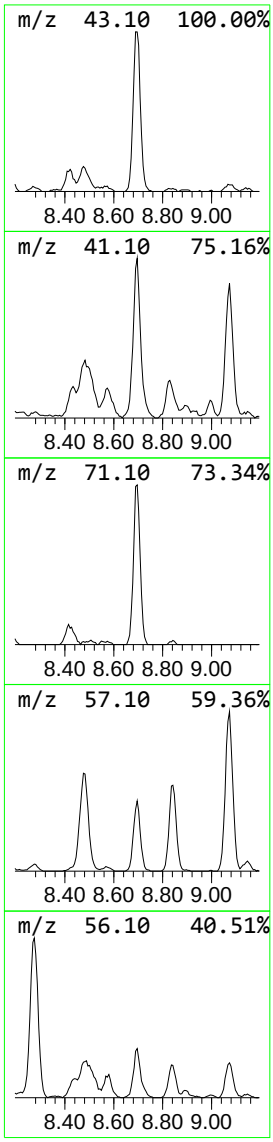
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.695	6.29 ug/L	102798	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Heptane	100	C7H16	000142-82-5	74
3	Heptane	100	C7H16	000142-82-5	72
4	Heptane	100	C7H16	000142-82-5	64
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

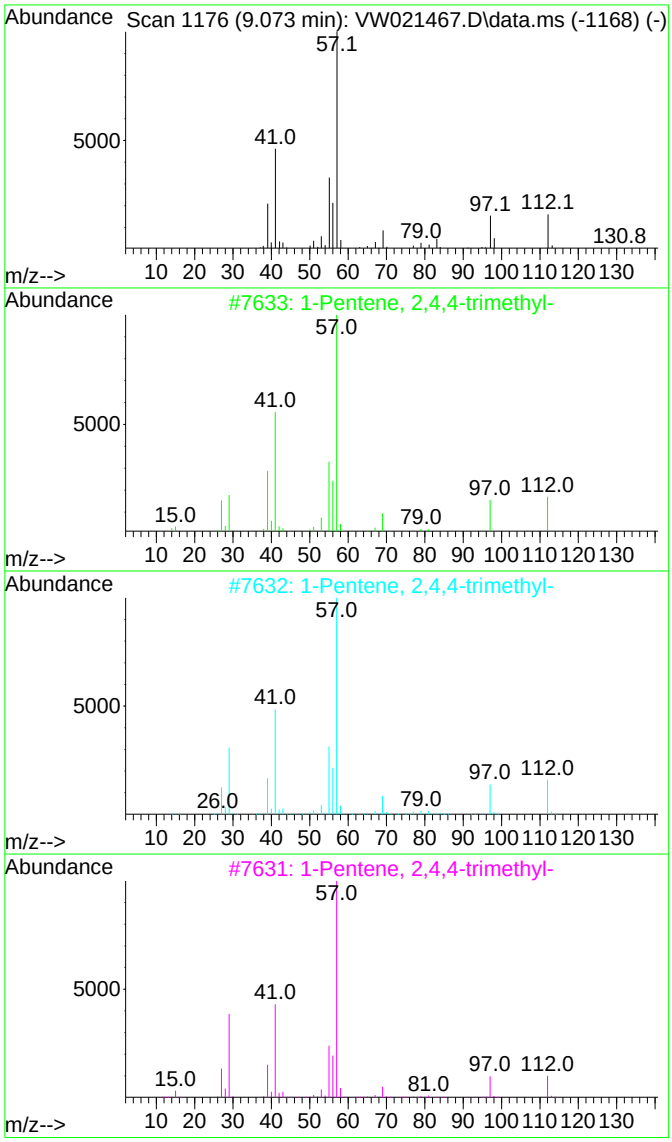
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

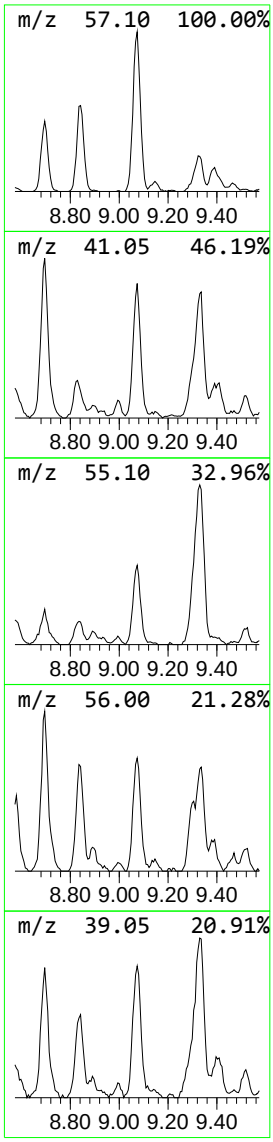
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.073	5.33 ug/L	87130	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	87
2	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	81
3	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	59
4	2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	50
5	2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

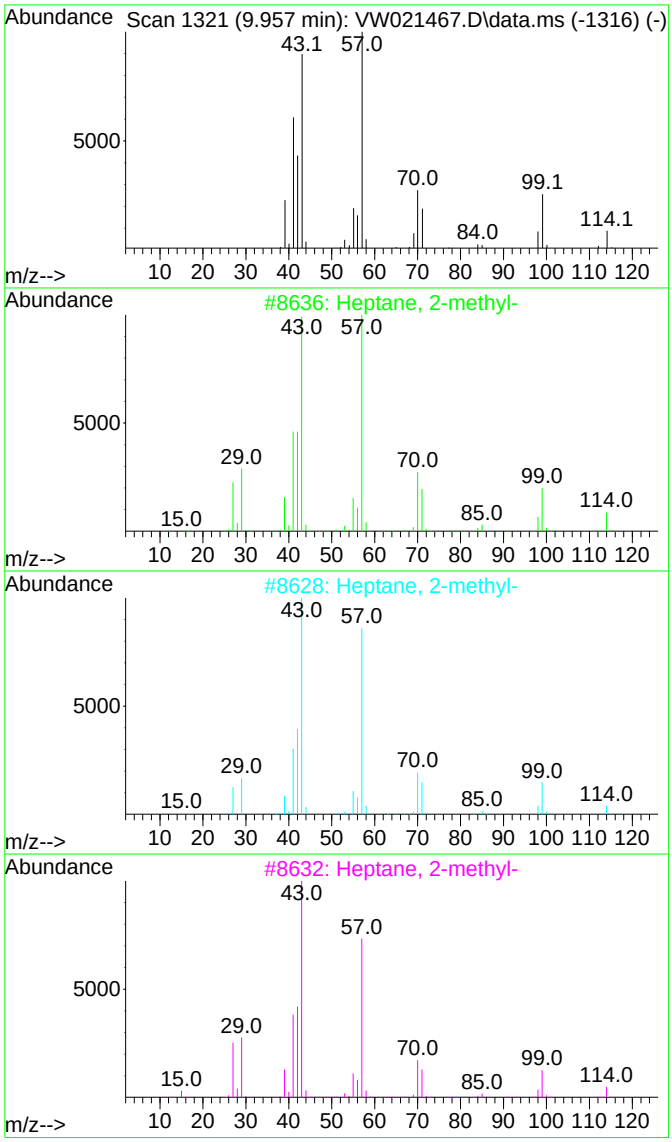
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

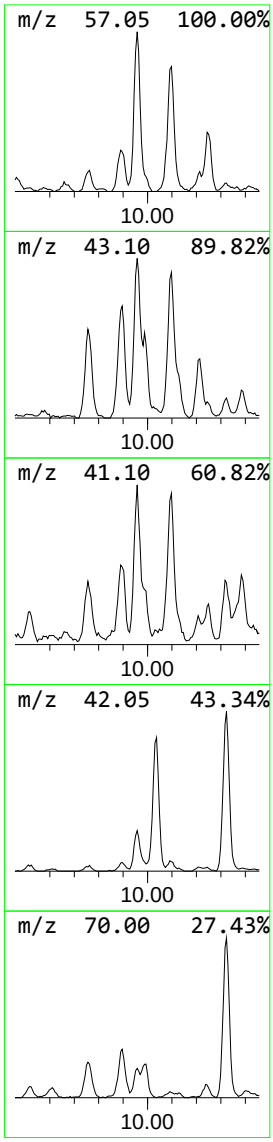
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.957	3.71 ug/L	60698	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	94
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	87
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

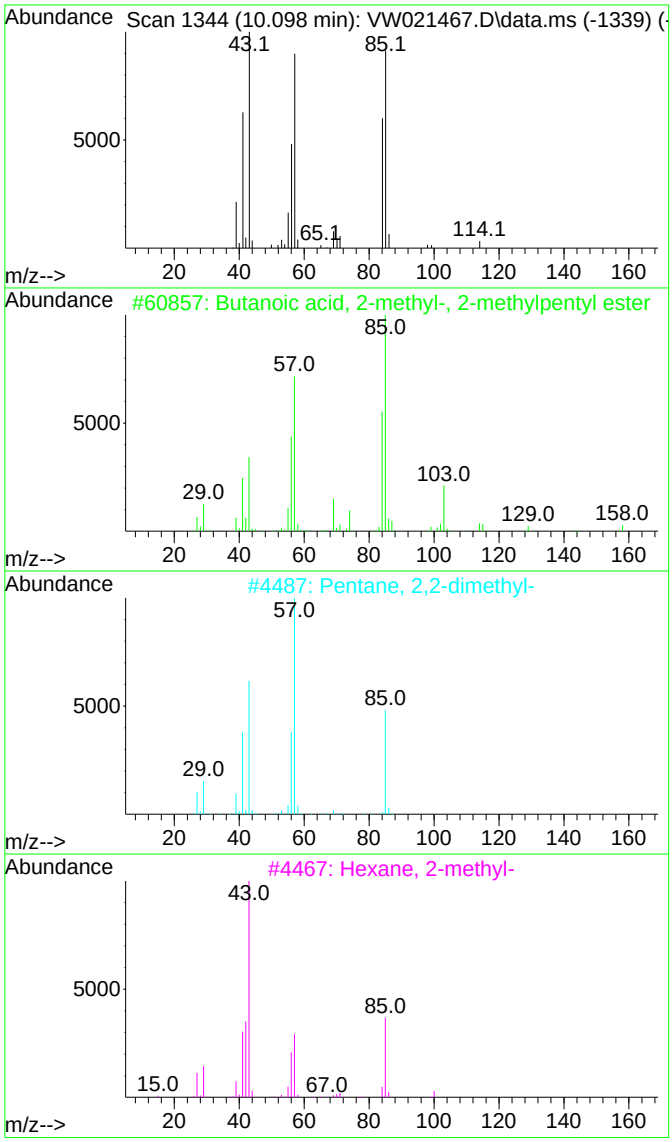
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

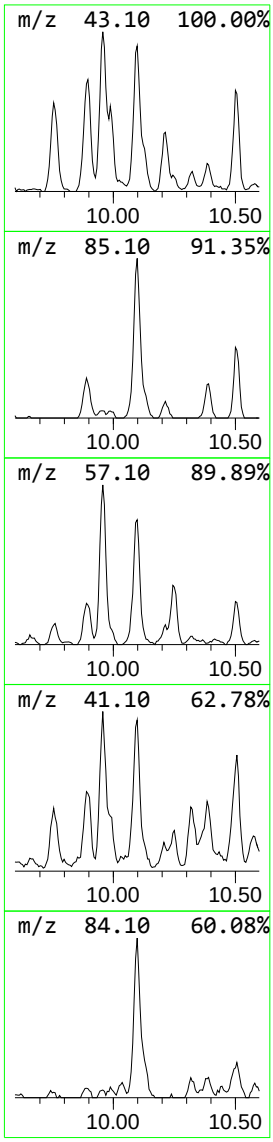
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Butanoic acid, 2-methyl-, 2... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.098	4.91 ug/L	80290	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-methyl-, 2-meth...	186	C11H22O2	083783-88-4	72
2	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	53
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53
5	Heptane, 3-methyl-	114	C8H18	000589-81-1	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

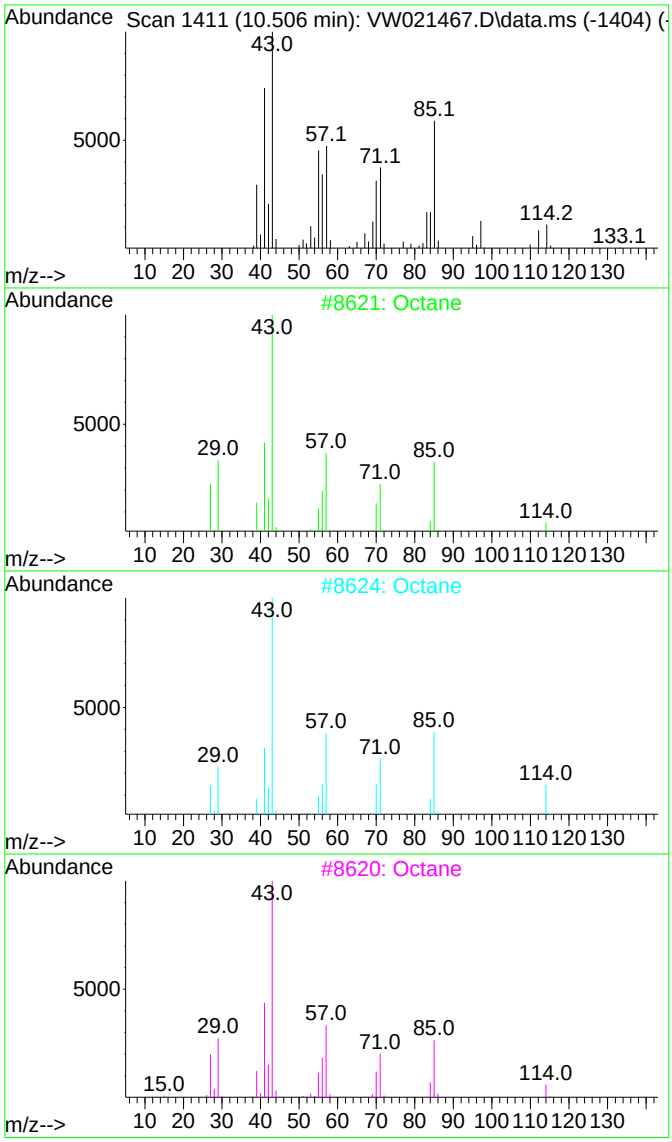
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

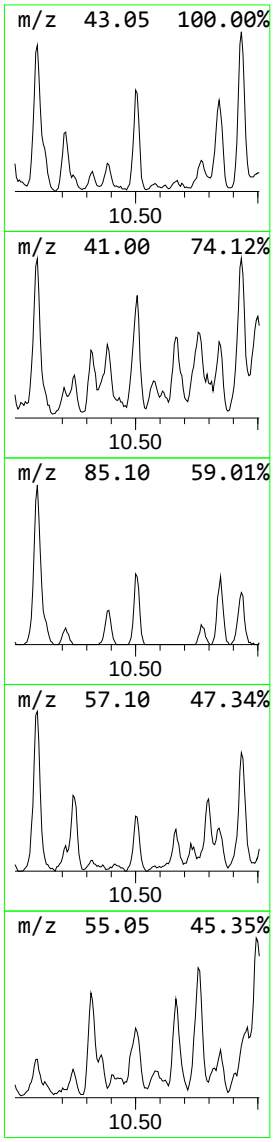
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.506	2.52 ug/L	57032	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	83
2	Octane	114	C8H18	000111-65-9	76
3	Octane	114	C8H18	000111-65-9	72
4	Octane	114	C8H18	000111-65-9	59
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

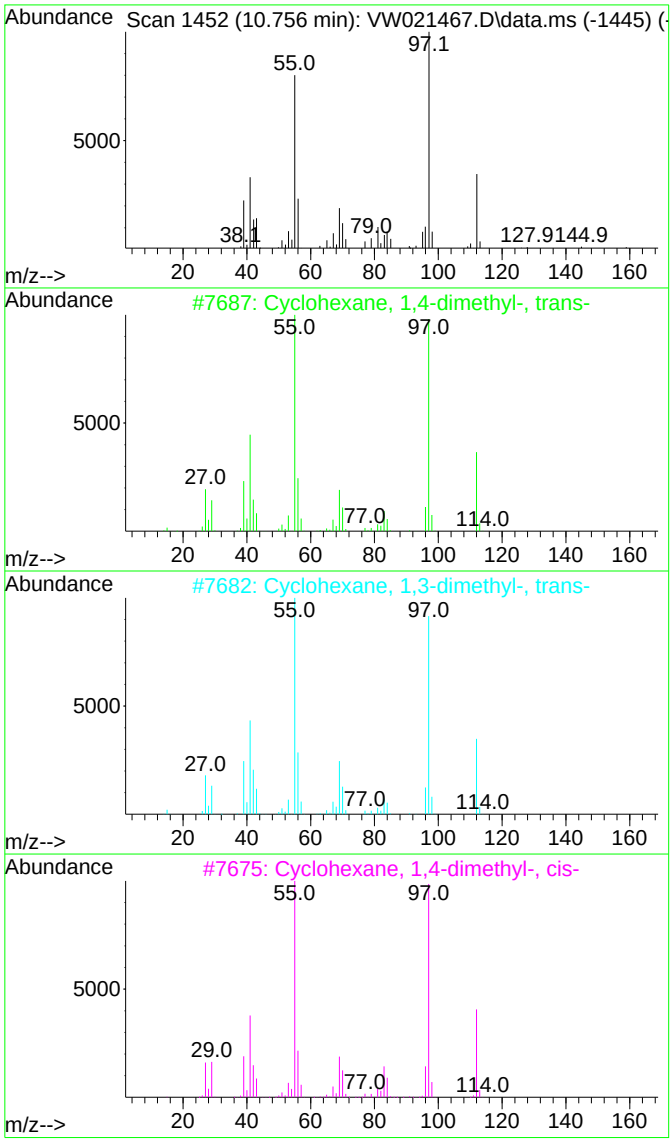
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

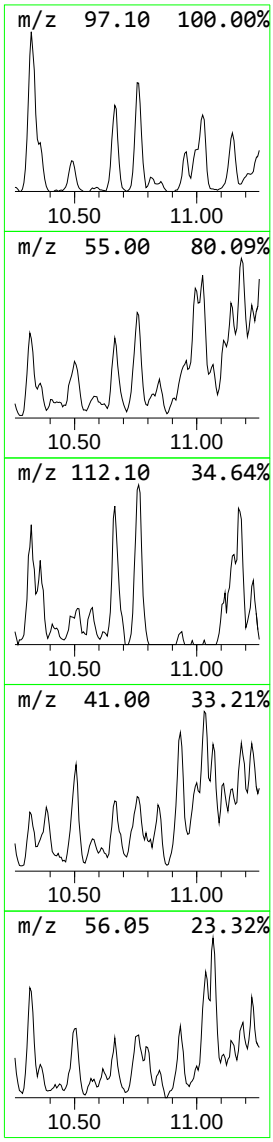
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Cyclic10.756 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.756	3.11 ug/L	70297	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	97
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	94
4	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	91
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

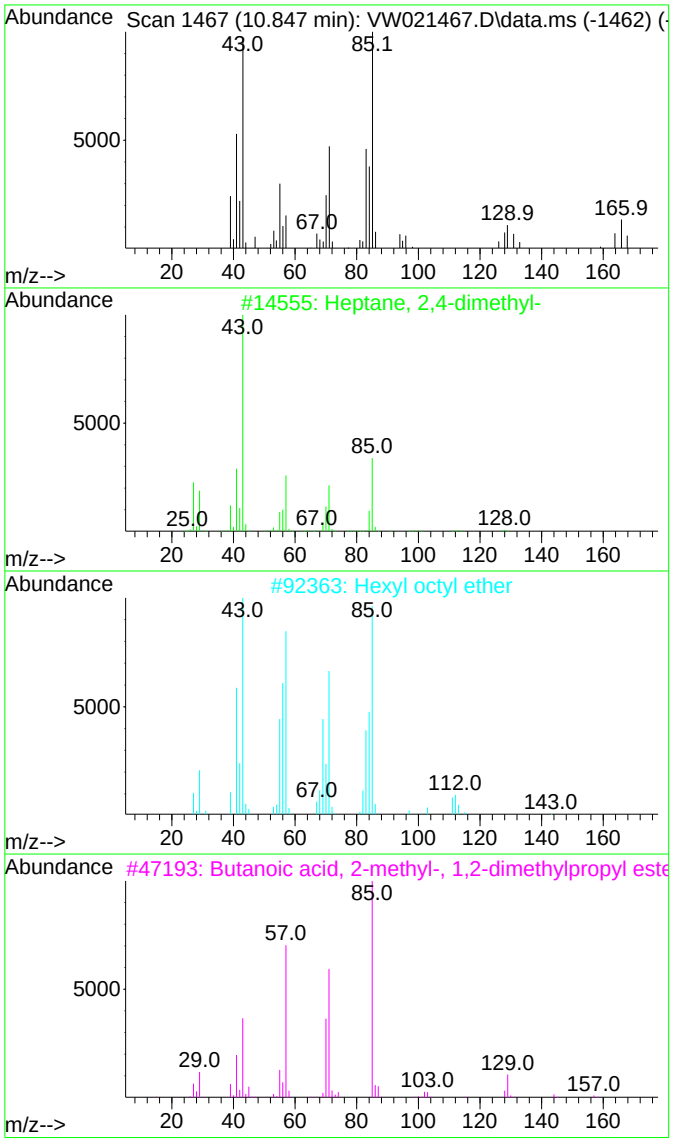
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

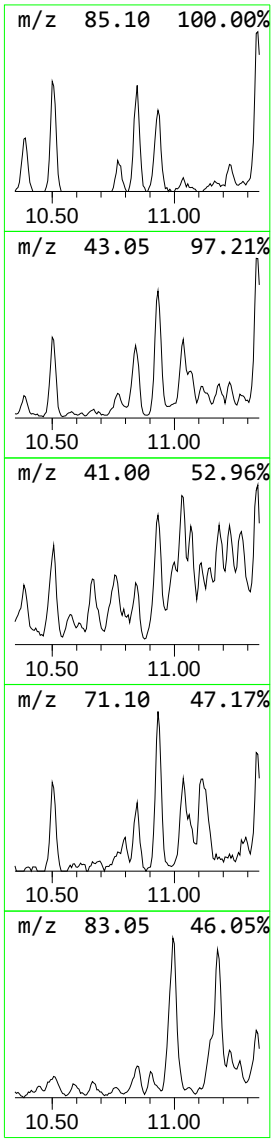
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.847	1.97 ug/L	44498	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50
2	Hexyl octyl ether	214	C14H30O	017071-54-4	50
3	Butanoic acid, 2-methyl-, 1,2-di...	172	C10H20O2	084696-83-3	47
4	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	47
5	2H-Pyran, tetrahydro-2-[(tetrahy...	186	C10H18O3	000710-14-5	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

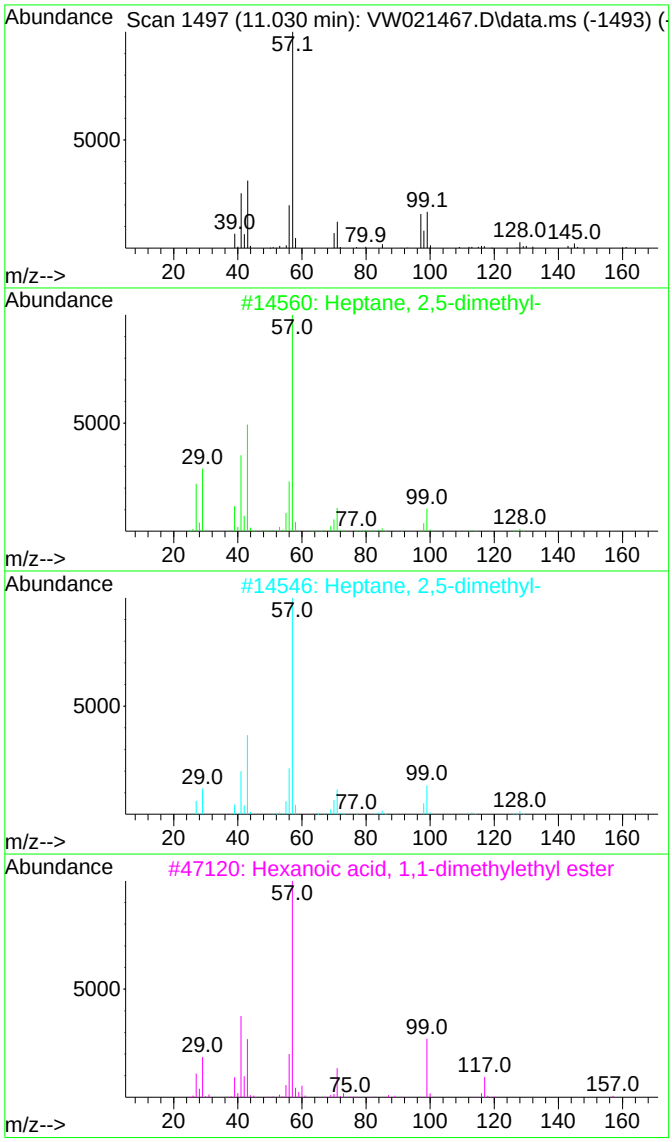
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

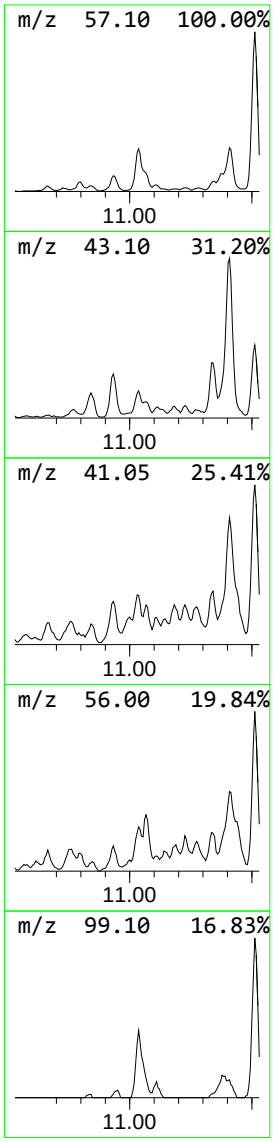
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.030	3.36 ug/L	75952	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
3	Hexanoic acid, 1,1-dimethylethyl...	172	C10H20O2	002492-18-4	53
4	Octane, 3-methyl-	128	C9H20	002216-33-3	53
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

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

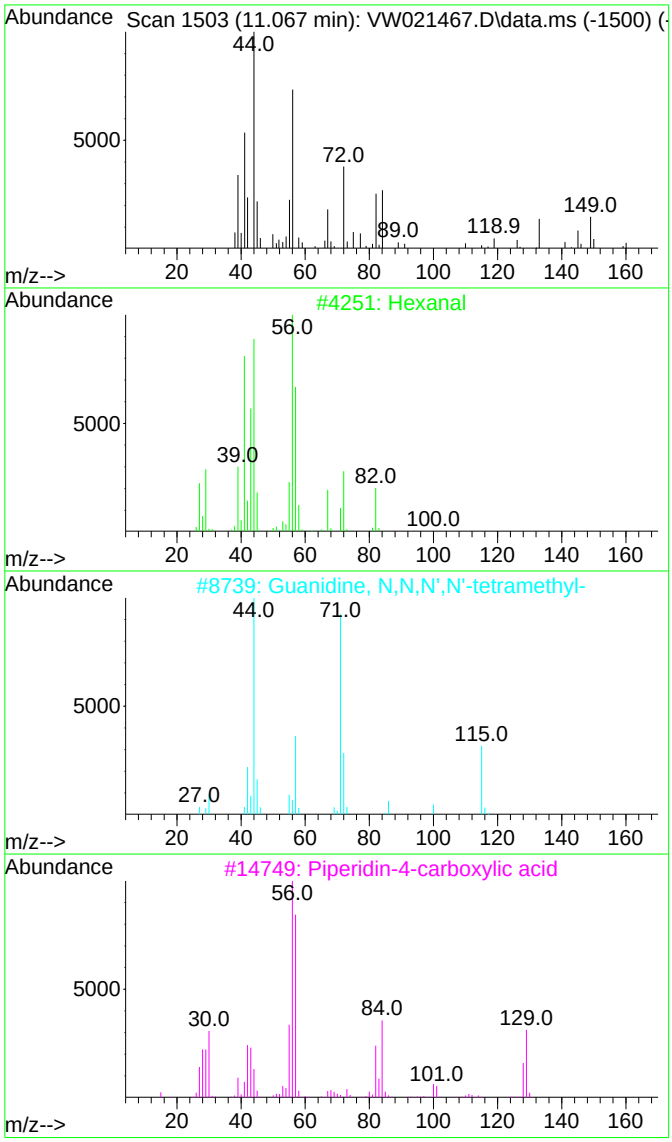
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

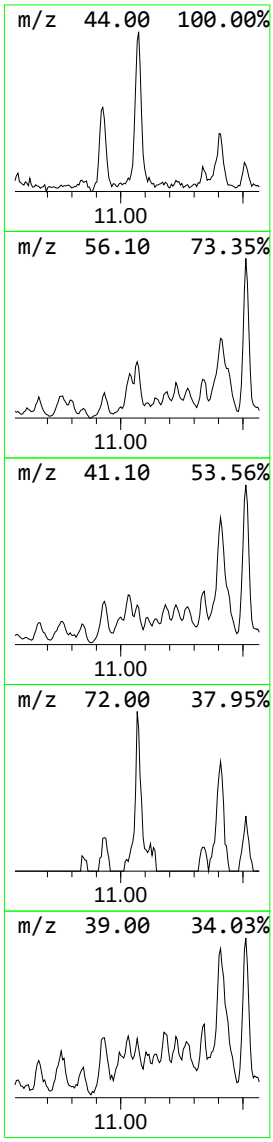
****

Peak Number 17 Hexanal Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.067	1.91 ug/L	43112	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	50
2	Guanidine, N,N,N',N'-tetramethyl-	115	C5H13N3	000080-70-6	38
3	Piperidin-4-carboxylic acid	129	C6H11NO2	000498-94-2	32
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	30
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

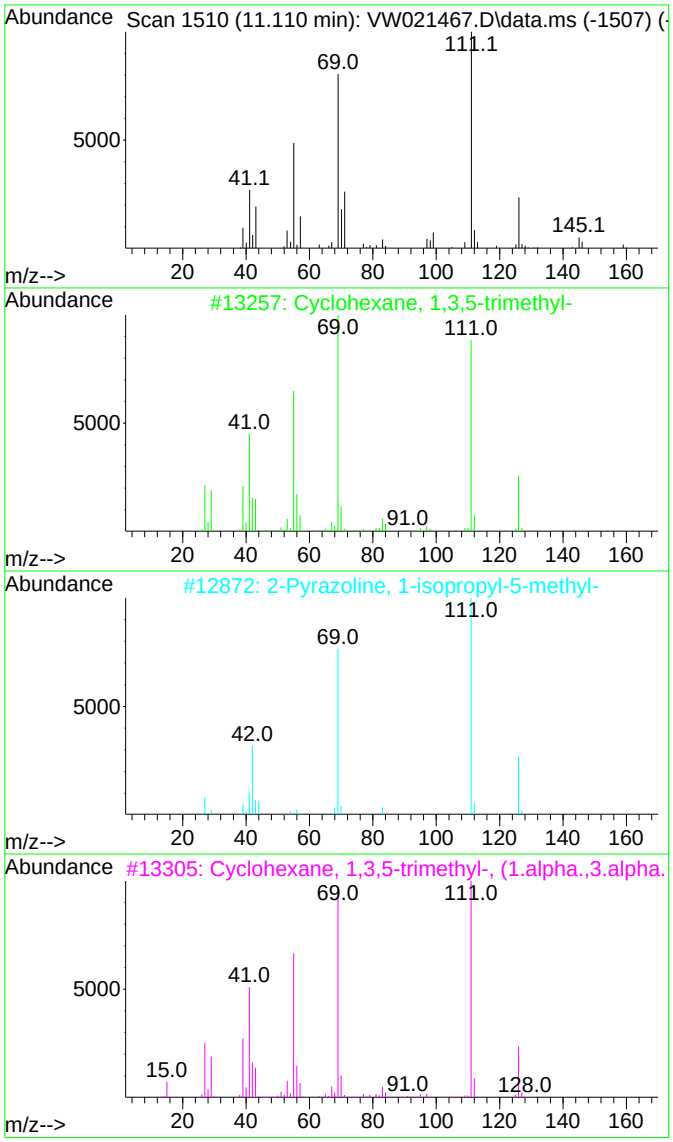
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

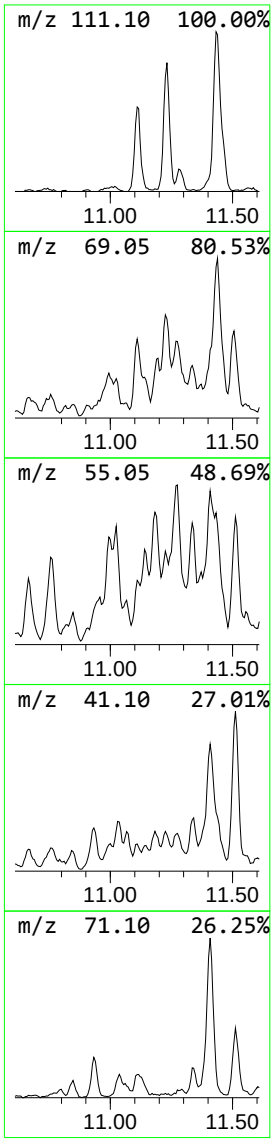
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Cyclic11.110 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.110	2.05 ug/L	46452	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	83
2	2-Pyrazoline, 1-isopropyl-5-methyl-	126	C7H14N2	026964-54-5	72
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	72
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

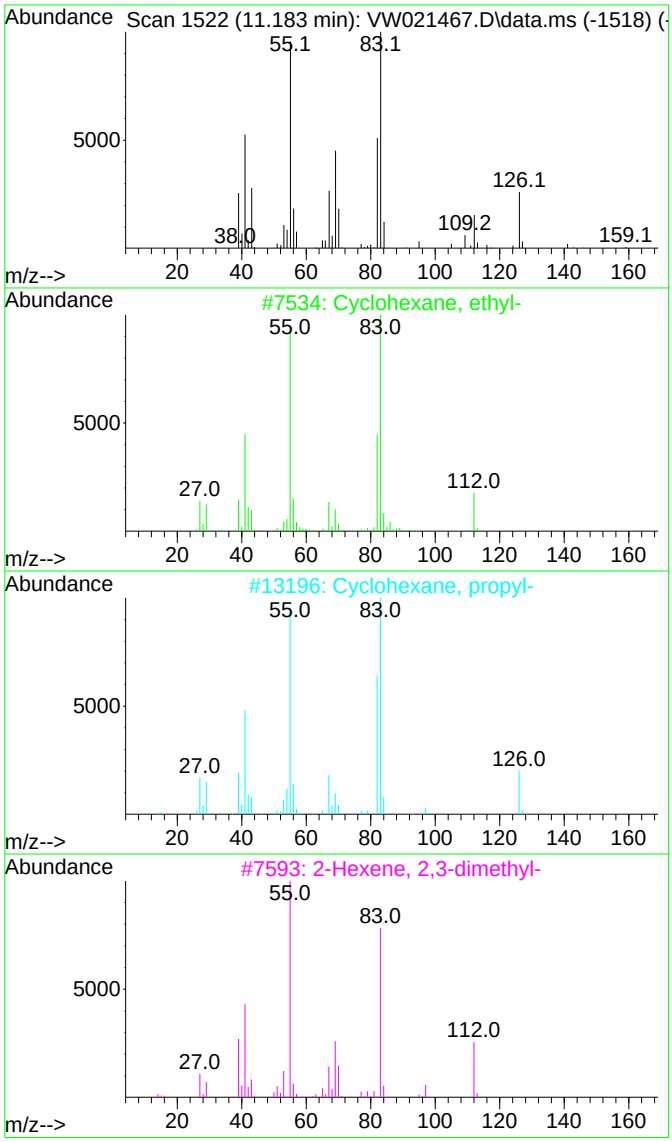
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

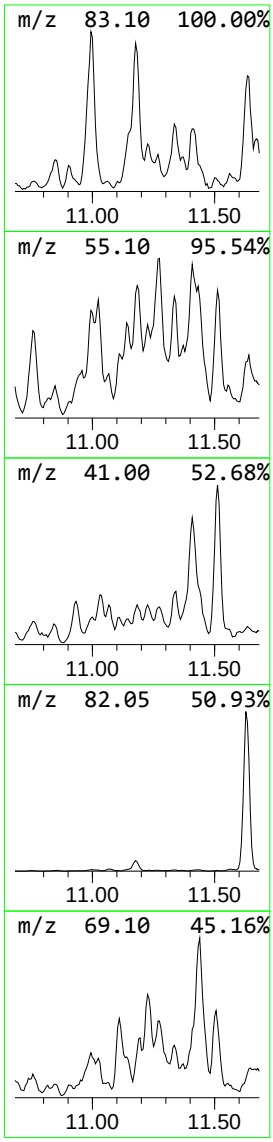
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Cyclic11.183 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.183	3.14 ug/L	71107	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	58
3	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	52
4	3-Heptene, 3-methyl-	112	C8H16	007300-03-0	52
5	2,3-Dimethyl-2-heptene	126	C9H18	003074-64-4	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

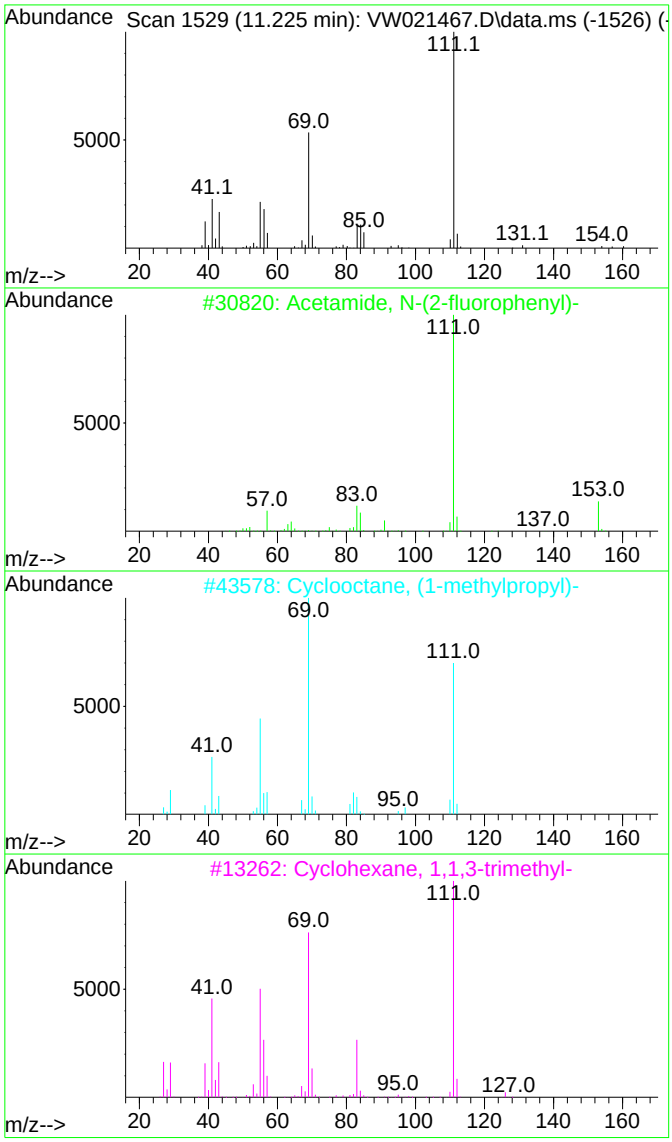
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

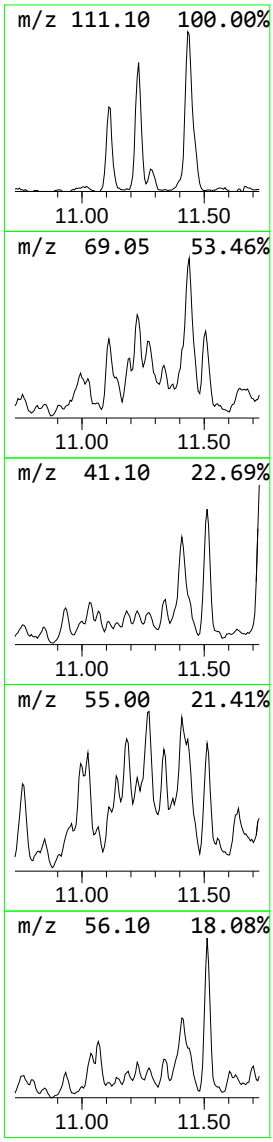
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Acetamide, N-(2-fluorophenyl)- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.225	2.98 ug/L	67361	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-(2-fluorophenyl)-	153	C8H8FNO	000399-31-5	59
2	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	59
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	50
4	Cyclooctane, tetradecyl-	308	C22H44	149003-36-1	50
5	3'-Fluoroacetanilide	153	C8H8FNO	000351-28-0	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

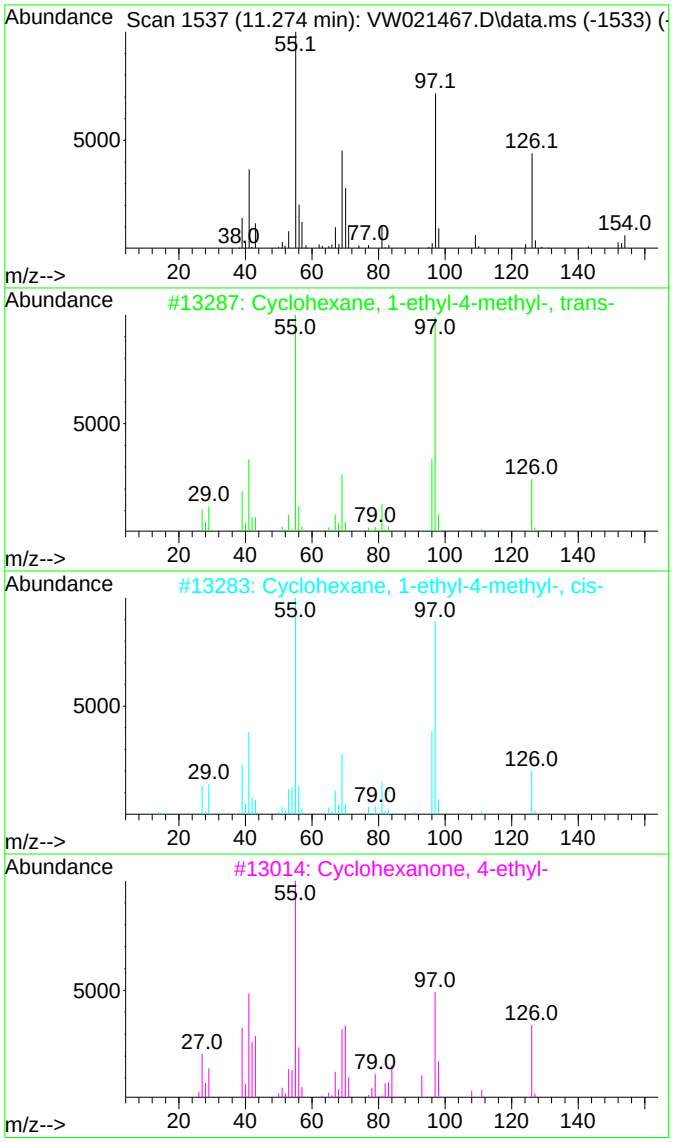
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

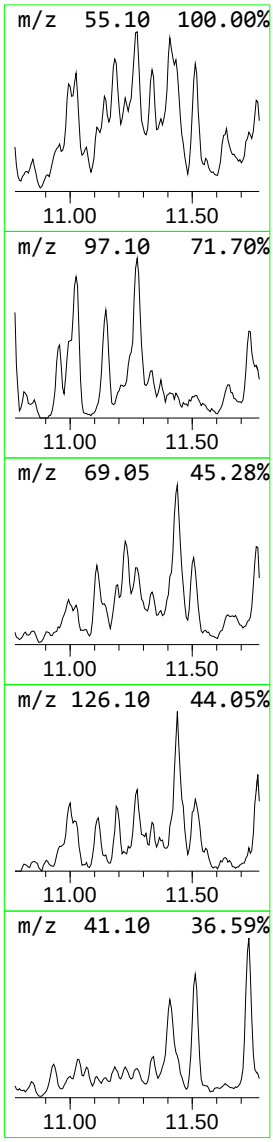
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Cyclic11.274 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.274	3.29 ug/L	74494	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64
3	Cyclohexanone, 4-ethyl-	126	C8H14O	005441-51-0	59
4	Cyclohexanone, 4-ethyl-	126	C8H14O	005441-51-0	50
5	3-Heptene, 3-ethyl-	126	C9H18	074764-46-8	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

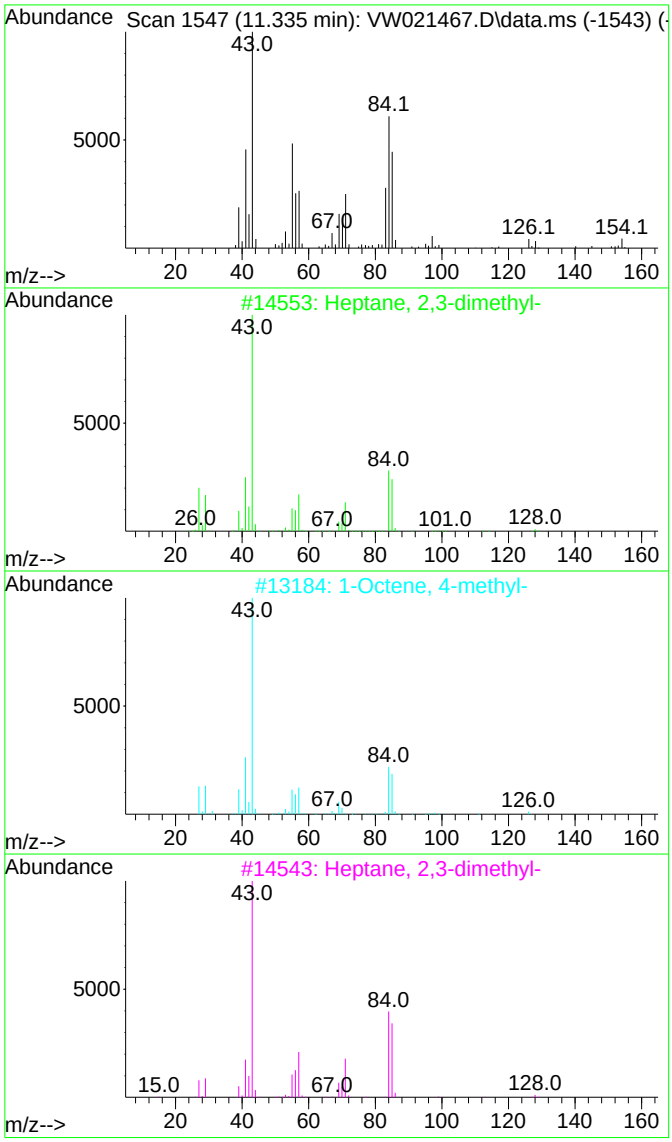
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

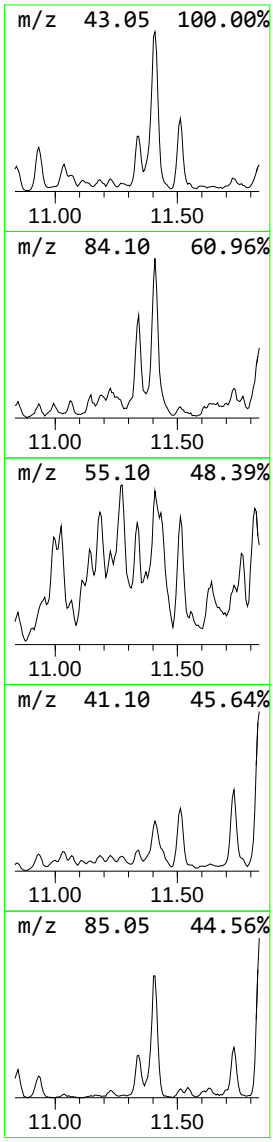
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.335	3.87 ug/L	87589	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	72
2	1-Octene, 4-methyl-	126	C9H18	013151-12-7	62
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	53
4	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	53
5	Piperidine	85	C5H11N	000110-89-4	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

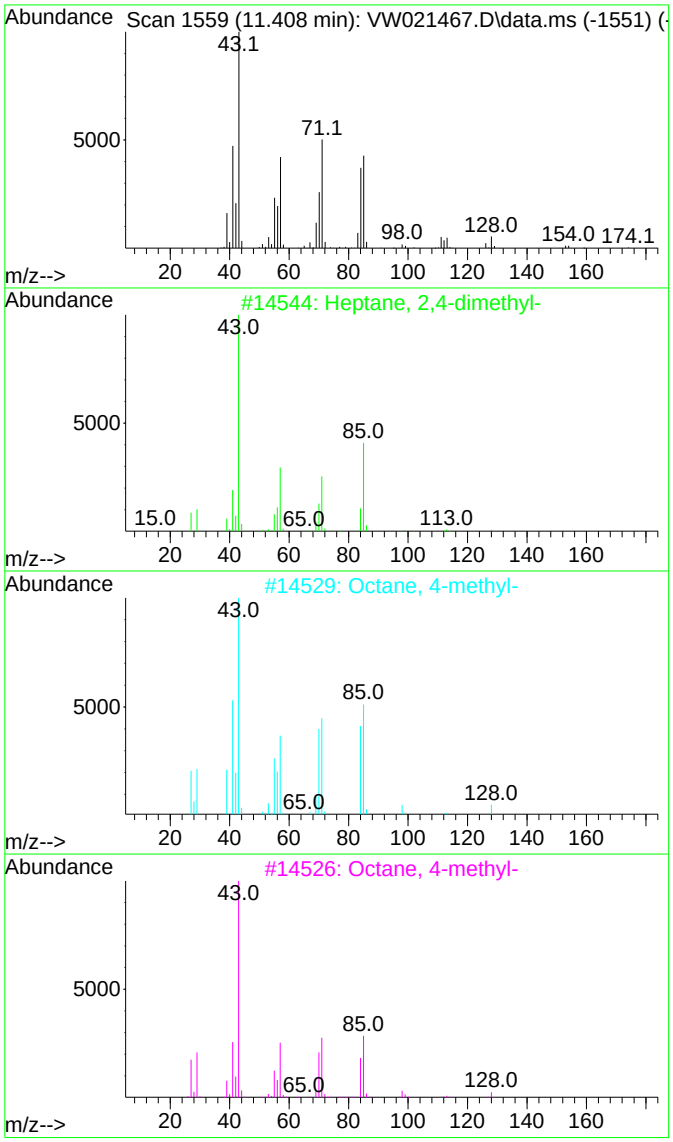
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

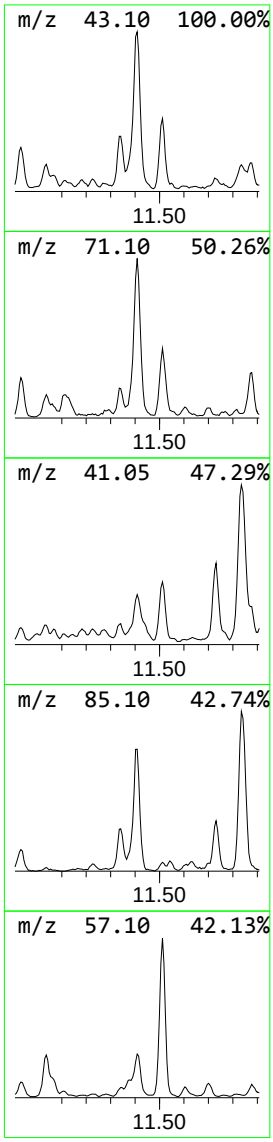
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.408	16.45 ug/L	372136	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
2	Octane, 4-methyl-	128	C9H20	002216-34-4	64
3	Octane, 4-methyl-	128	C9H20	002216-34-4	64
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	53
5	Octane, 2-methyl-	128	C9H20	003221-61-2	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

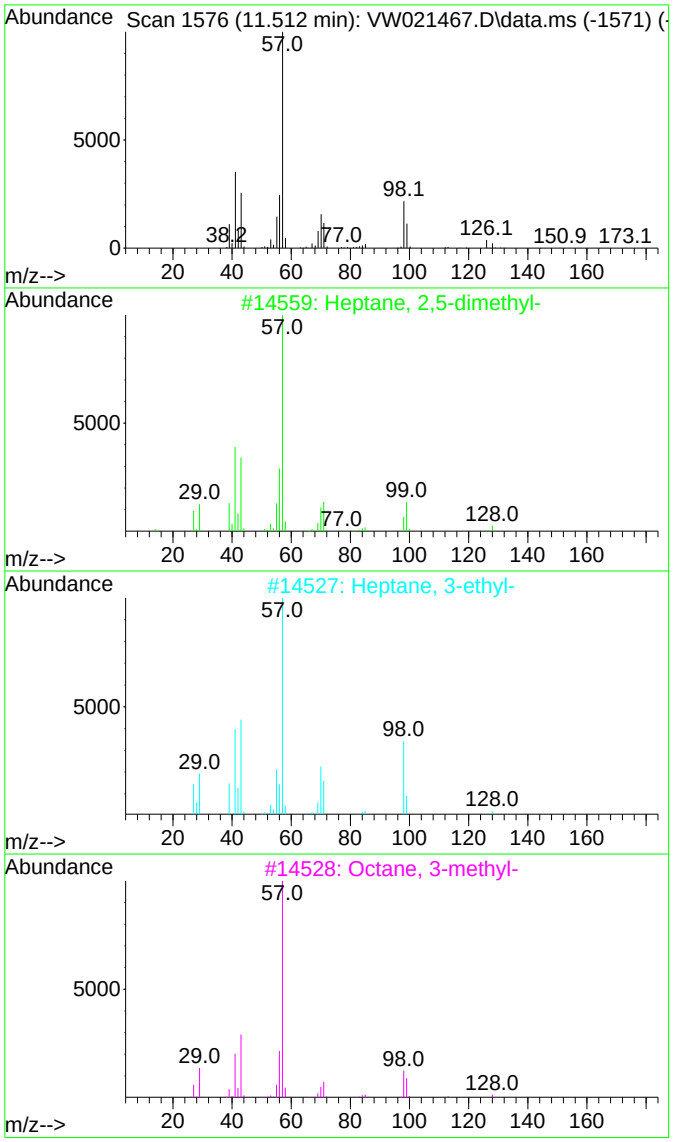
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

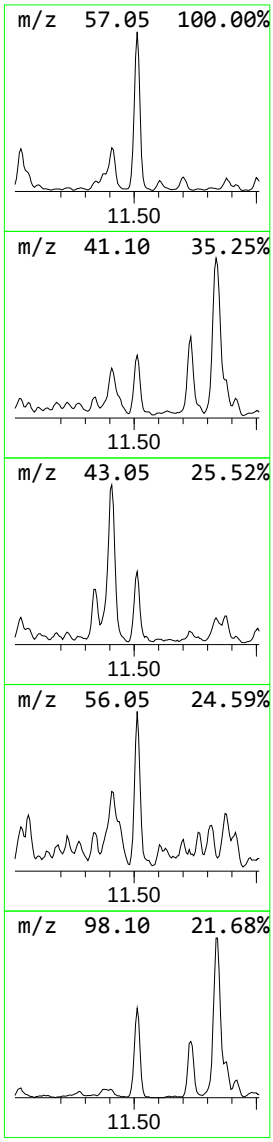
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	9.83 ug/L	222202	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
2	Heptane, 3-ethyl-	128	C9H20	015869-80-4	76
3	Octane, 3-methyl-	128	C9H20	002216-33-3	64
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
5	Octane, 3-methyl-	128	C9H20	002216-33-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

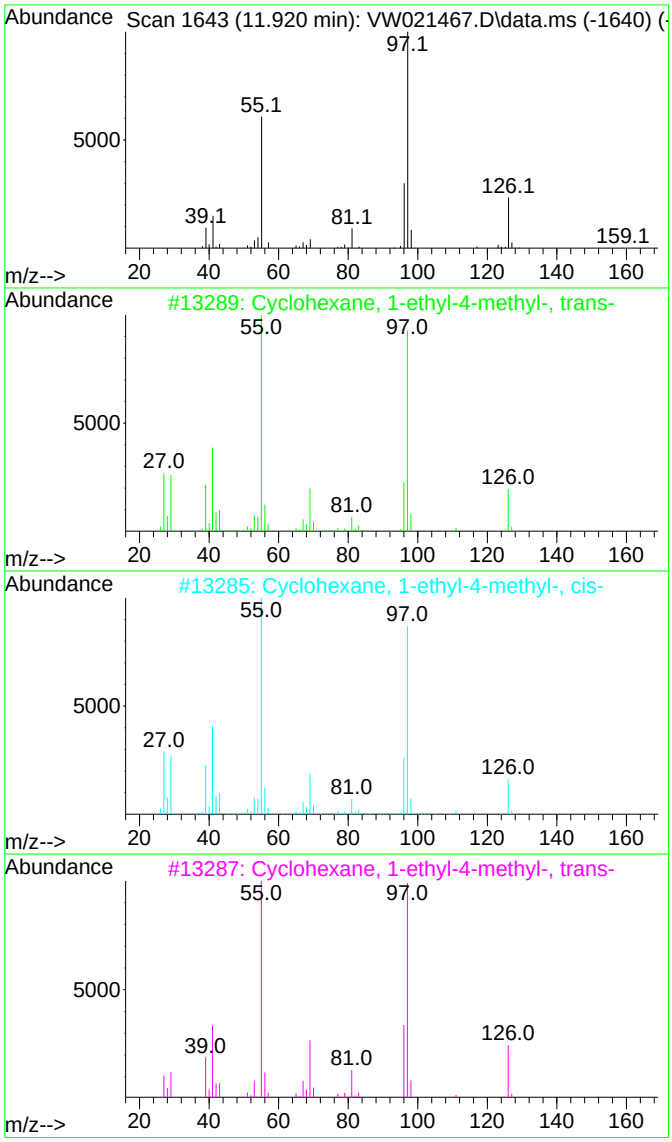
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

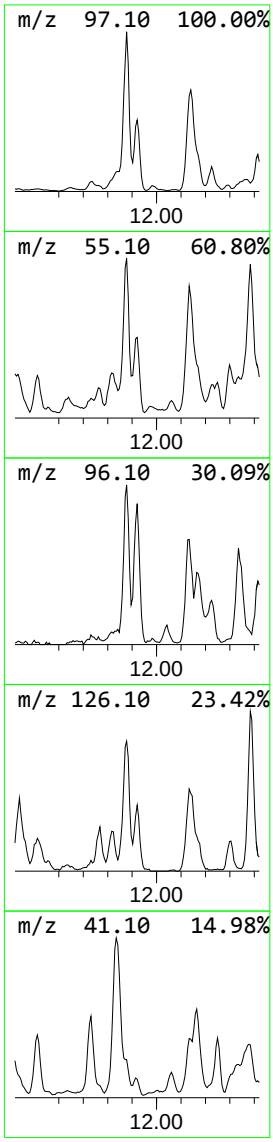
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Cyclic11.920 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.920	4.51 ug/L	102097	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	78
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	78
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	78
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72
5	4-Octen-3-one	126	C8H14O	014129-48-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

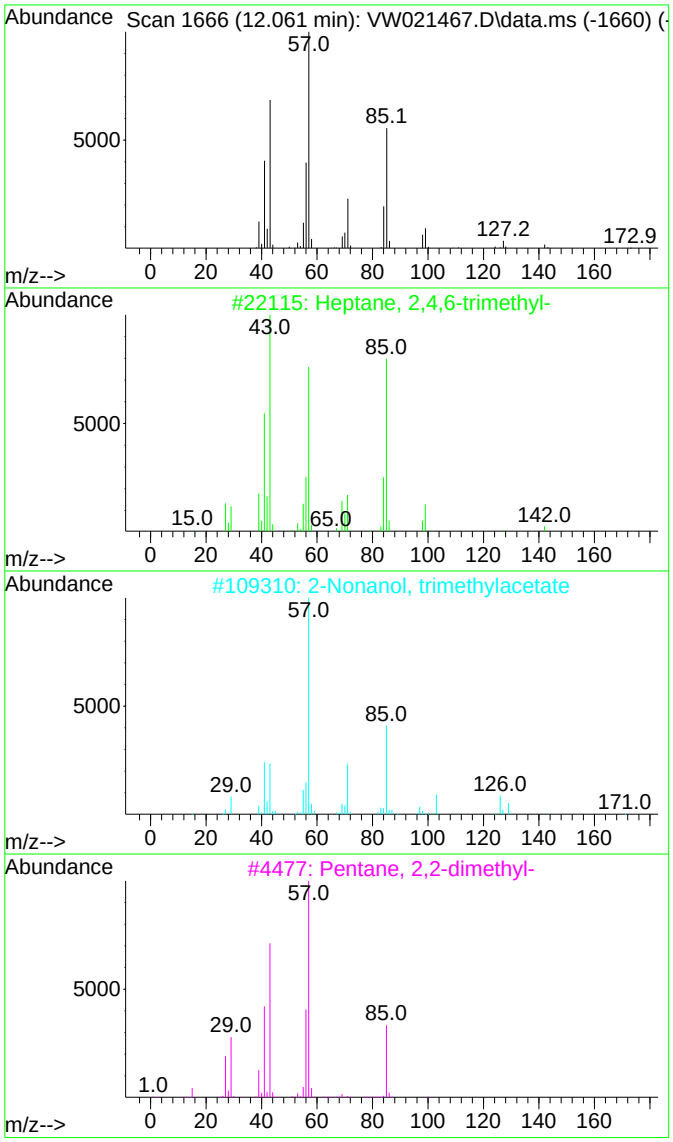
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

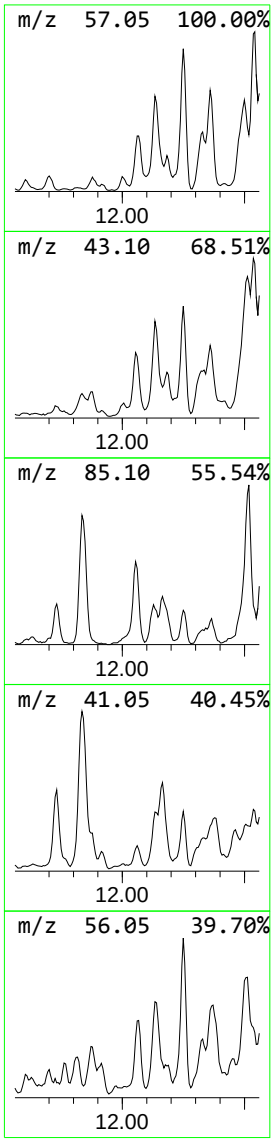
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.061	4.57 ug/L	103303	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	53
2	2-Nonanol, trimethylacetate	228	C14H28O2	1000463-21-6	50
3	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	47
4	5-Nonanol, trimethylacetate	228	C14H28O2	1000463-48-2	43
5	3-Hexanone, 2,5-dimethyl-	128	C8H16O	001888-57-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

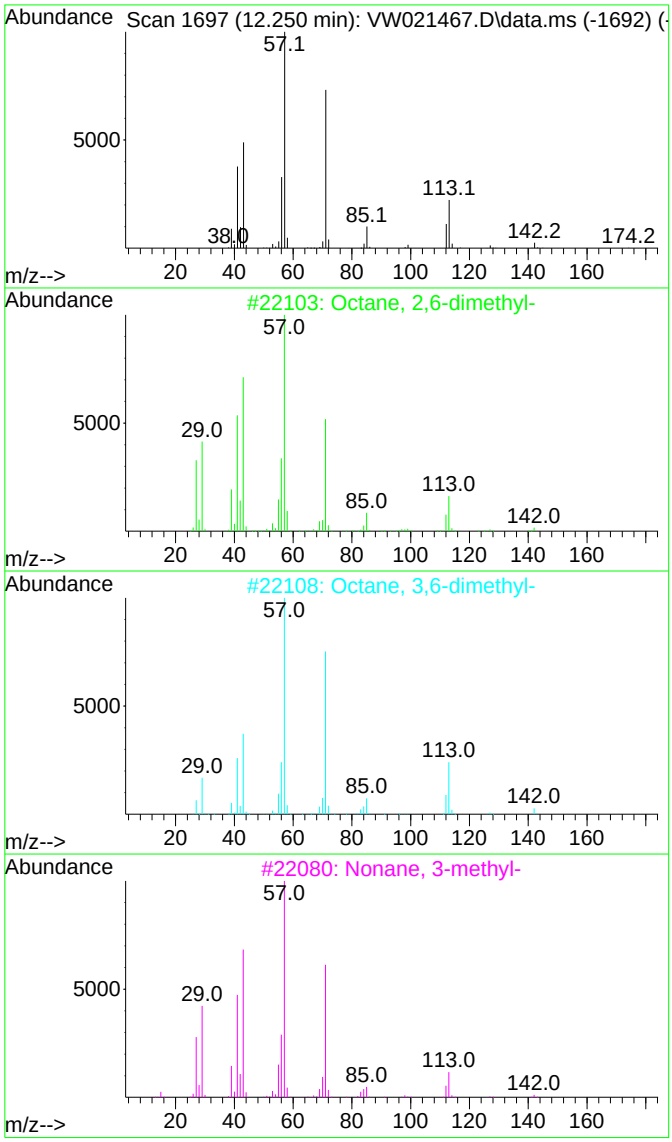
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

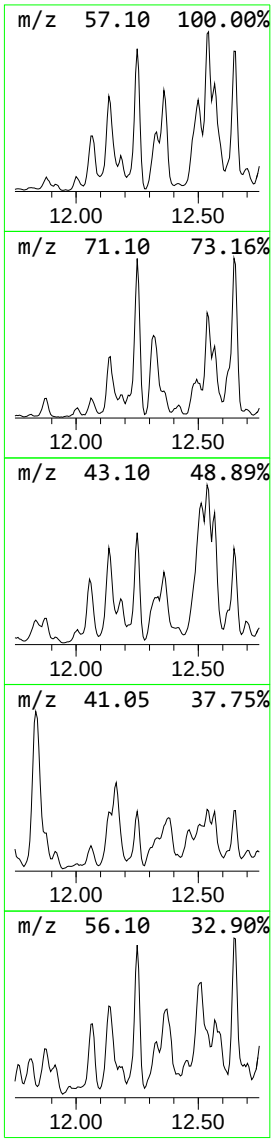
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.250	9.94 ug/L	224713	Chlorobenzene-d5	11.634

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	91
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	83
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

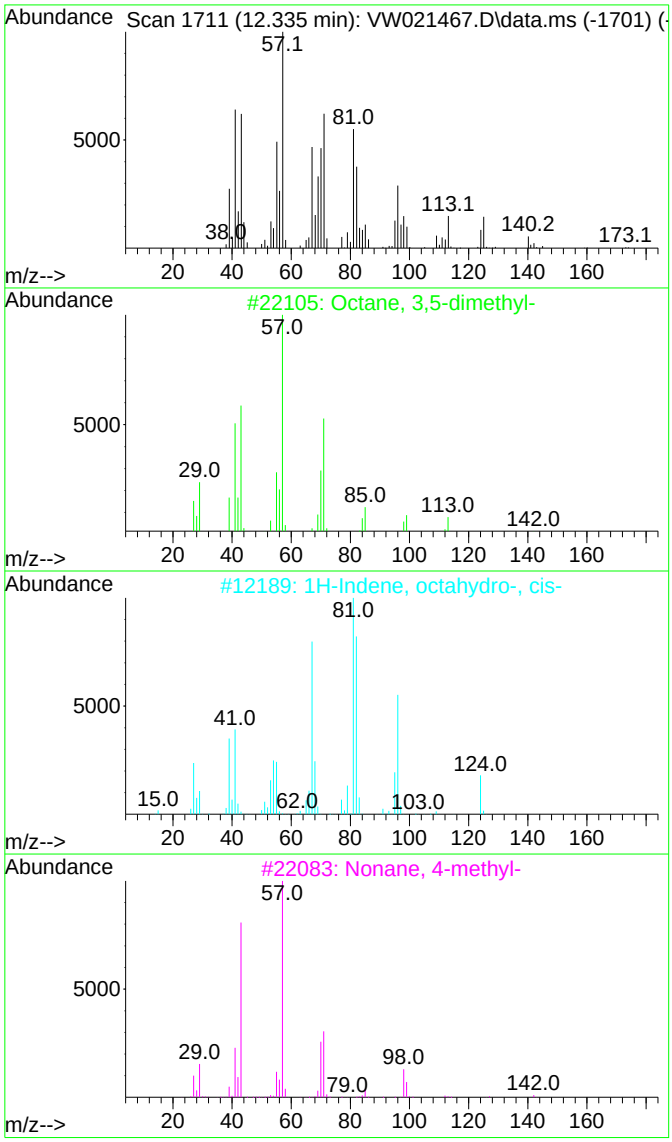
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

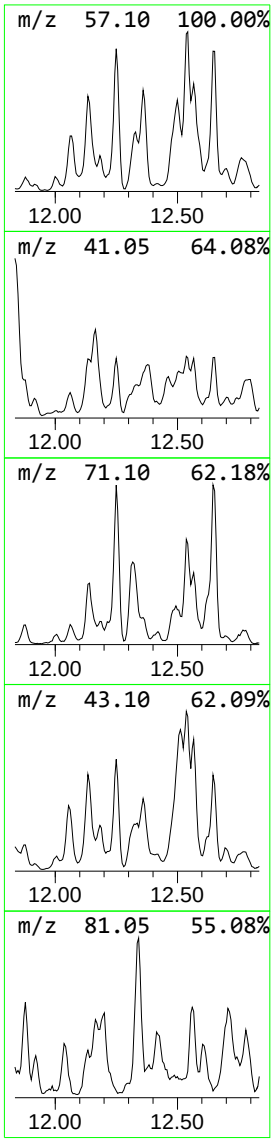
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.335	12.28 ug/L	277607	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	42
2	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	38
3	Nonane, 4-methyl-	142	C10H22	017301-94-9	30
4	Nonane, 4-methyl-	142	C10H22	017301-94-9	27
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

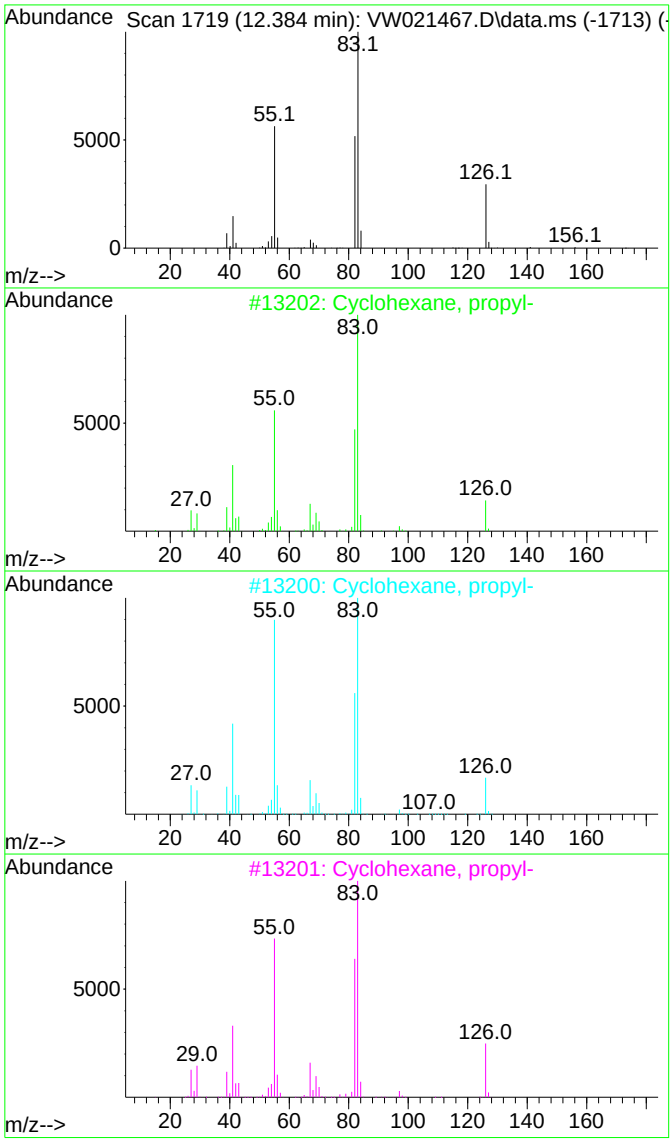
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

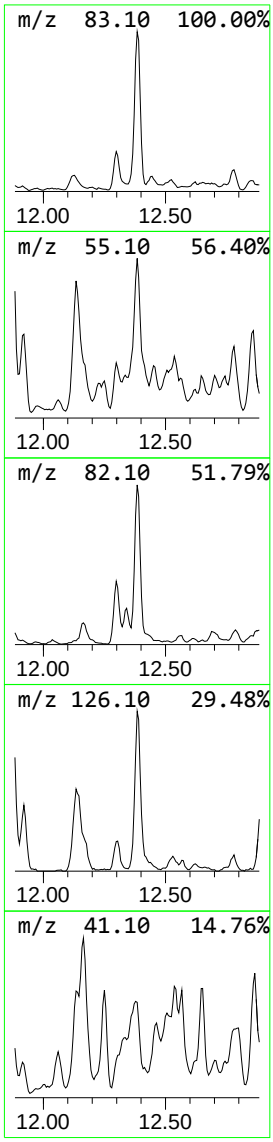
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Cyclic12.384 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.384	10.76 ug/L	243309	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	86
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	78
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	56
4	3,3-Dimethylcyclohexanone	126	C8H14O	002979-19-3	52
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

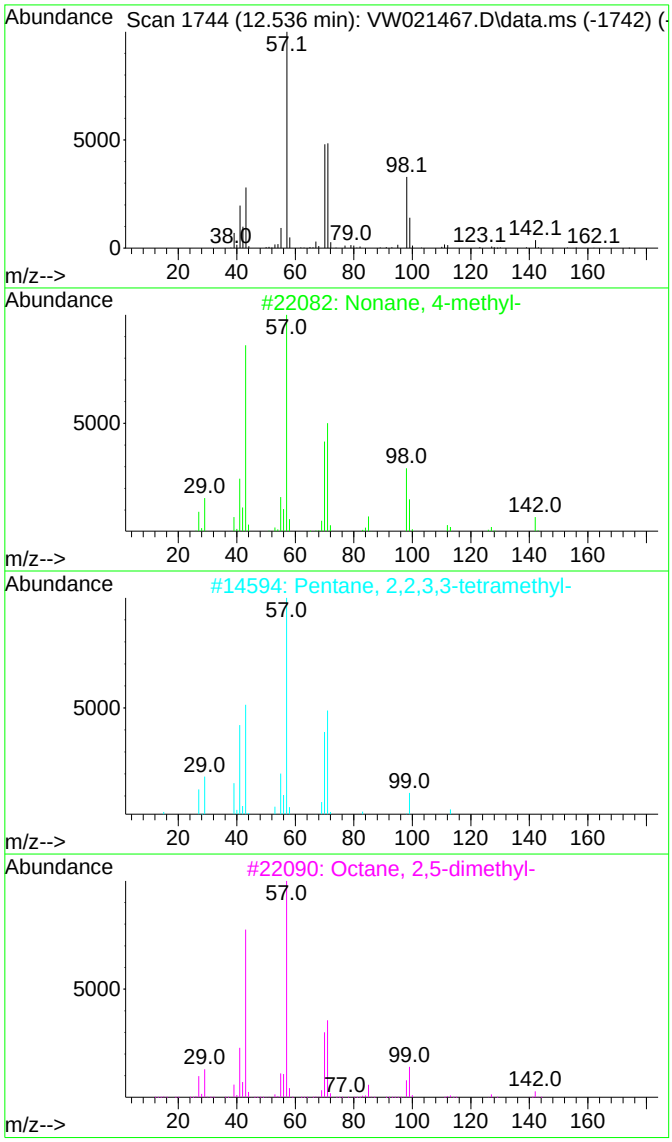
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

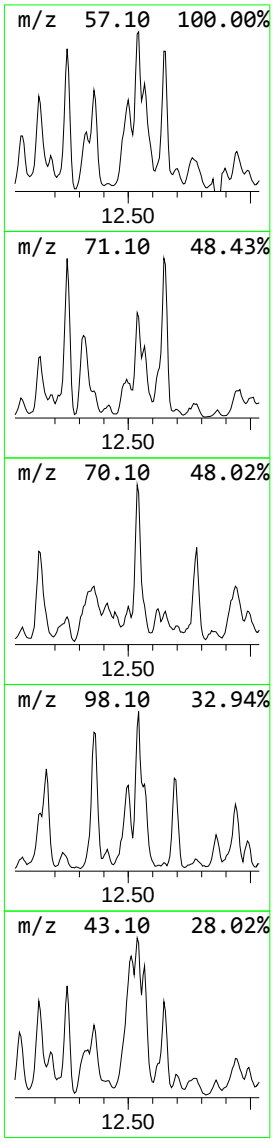
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.536	9.11 ug/L	206101	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	64
2	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	64
3	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	53
4	Nonane, 4-methyl-	142	C10H22	017301-94-9	50
5	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

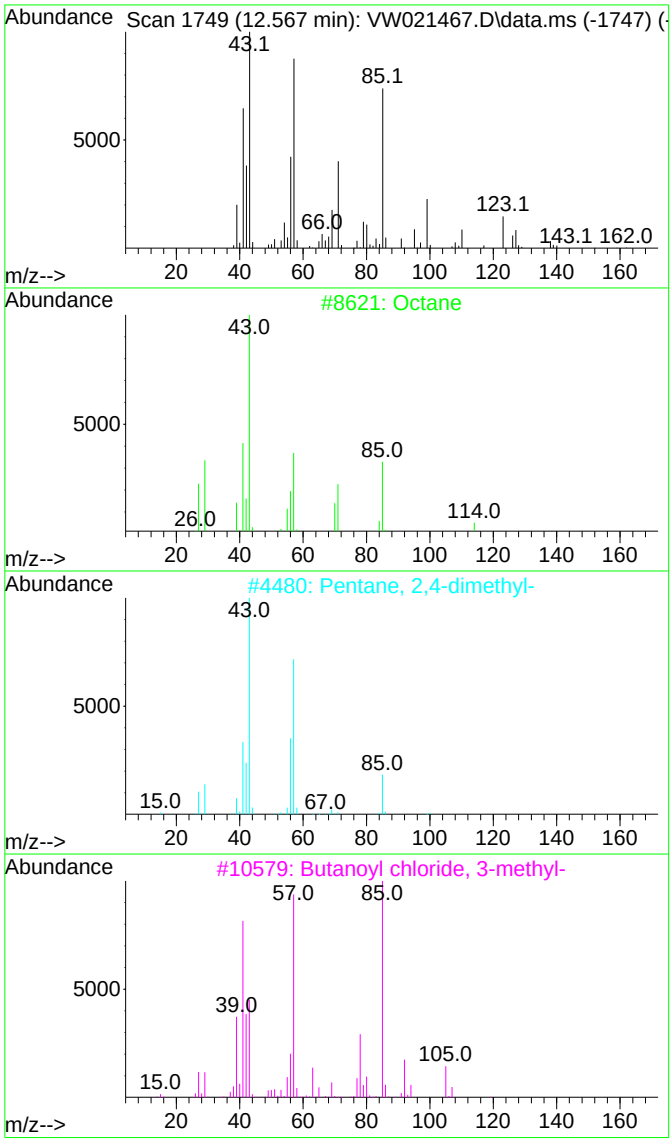
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

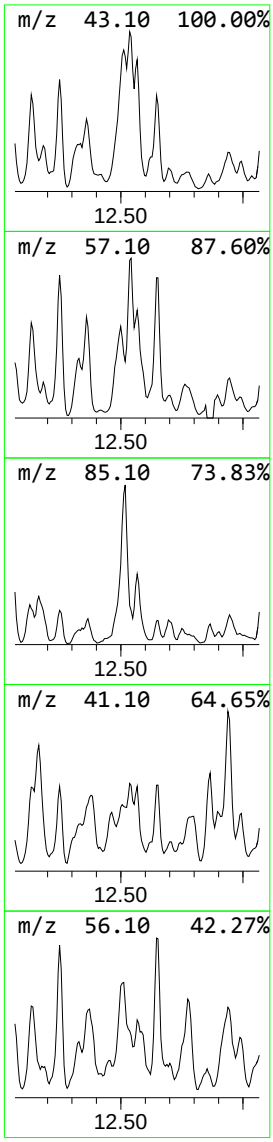
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.567	7.37 ug/L	166650	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	64
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	47
3	Butanoyl chloride, 3-methyl-	120	C5H9ClO	000108-12-3	47
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	47
5	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

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

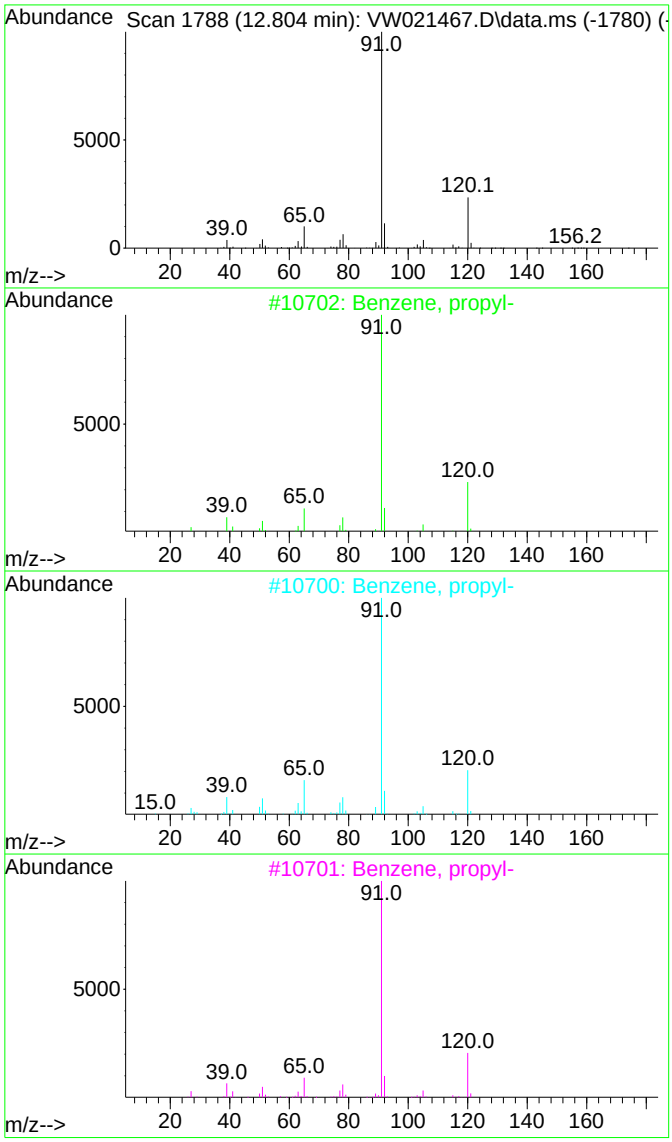
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

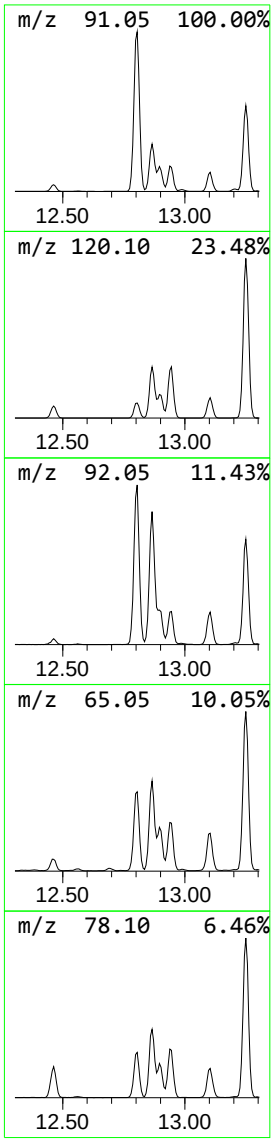
****

Peak Number 32 Benzene, propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.804	14.56 ug/L	1544720	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	94
2	Benzene, propyl-	120	C9H12	000103-65-1	91
3	Benzene, propyl-	120	C9H12	000103-65-1	90
4	Benzene, propyl-	120	C9H12	000103-65-1	90
5	N-Isobutyl(phenyl)methanesulfona...	227	C11H17NO2S	144615-94-1	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

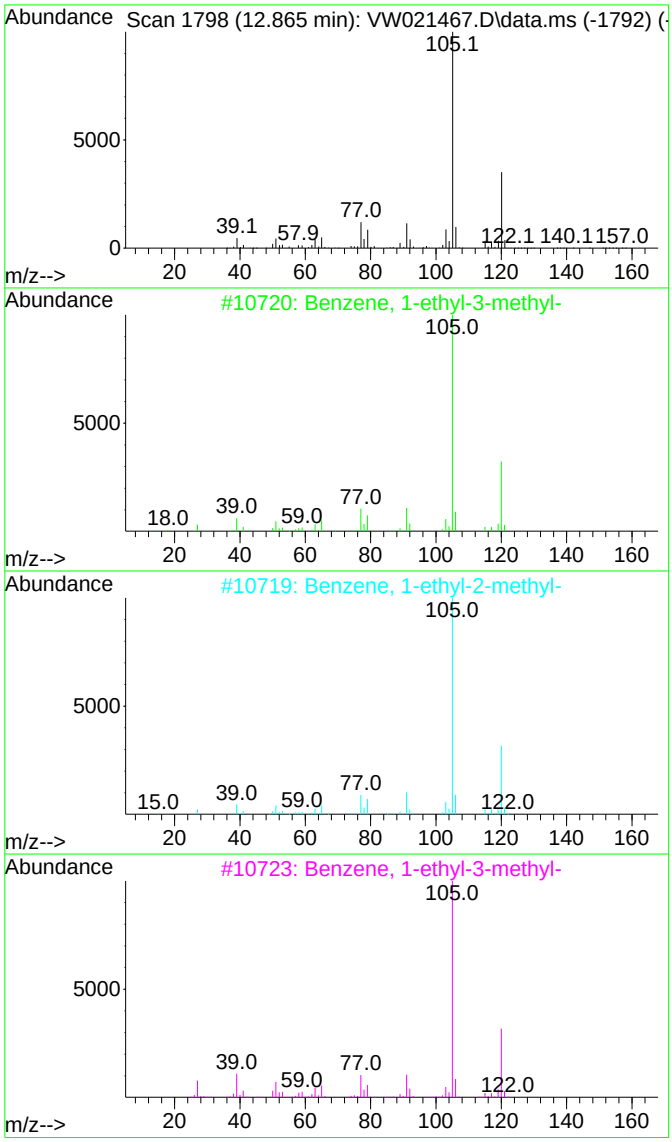
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

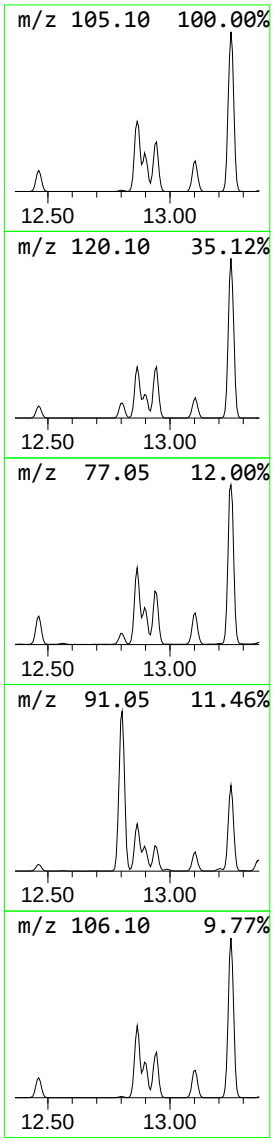
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, 1-ethyl-3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	43.12 ug/L	4576060	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

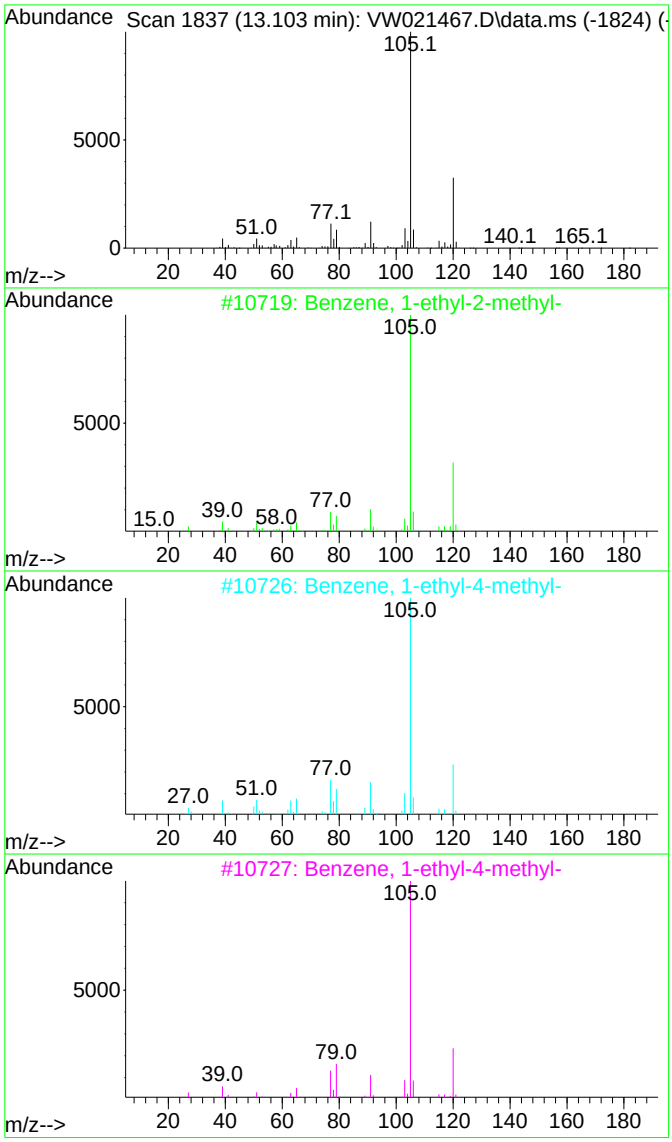
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

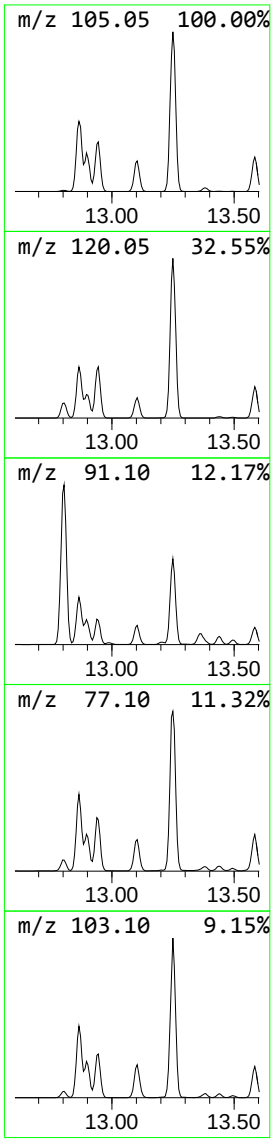
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	20.77 ug/L	2204640	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

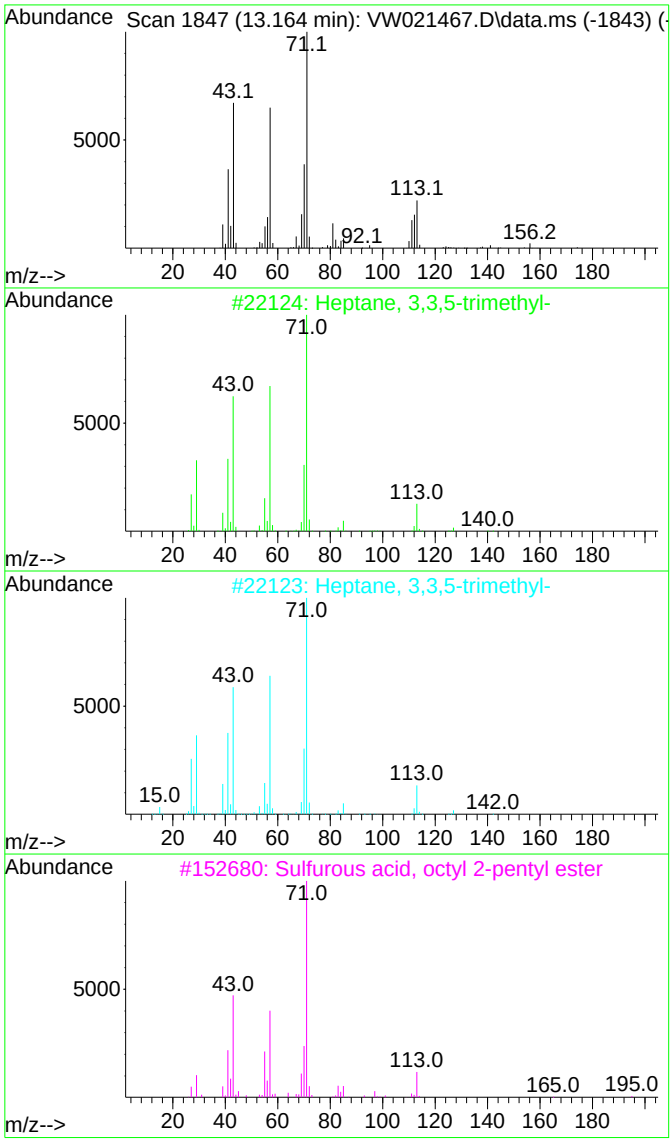
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

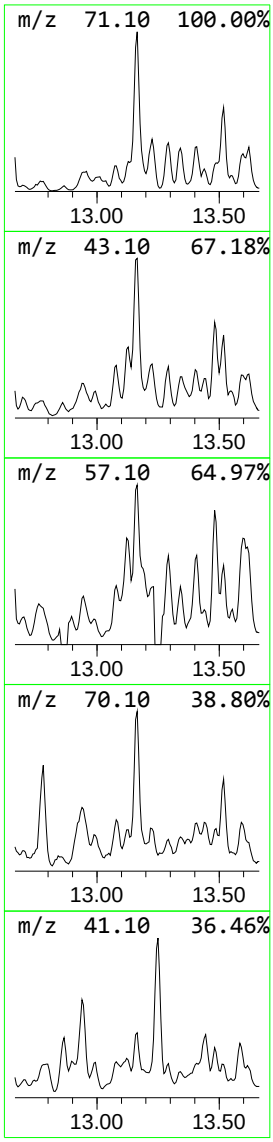
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	1.58 ug/L	168116	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	59
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	59
3	Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	53
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	53
5	Sulfurous acid, dodecyl 2-pentyl...	320	C17H36O3S	1000309-16-1	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

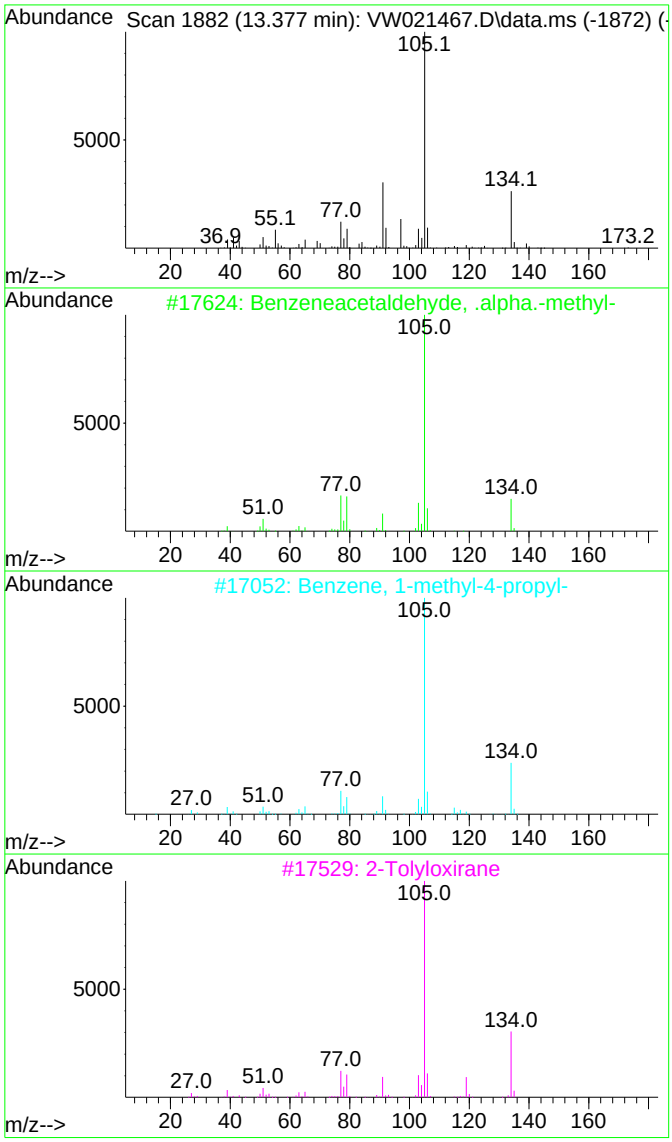
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

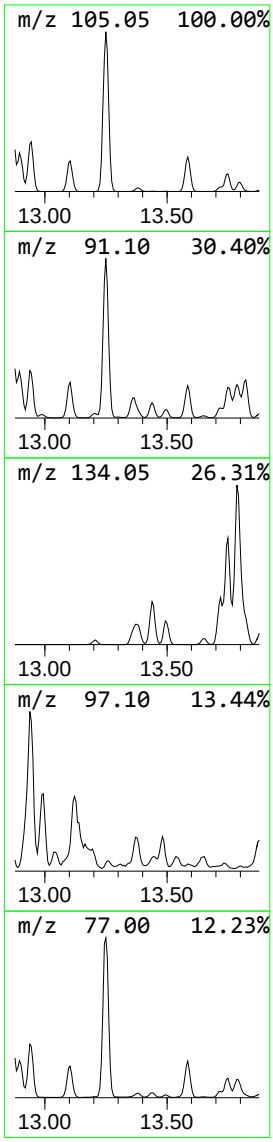
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 Benzeneacetaldehyde, .alpha... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.377	4.53 ug/L	480794	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	76
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	76
3	2-Tolyloxirane	134	C9H10O	002783-26-8	76
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	68
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

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

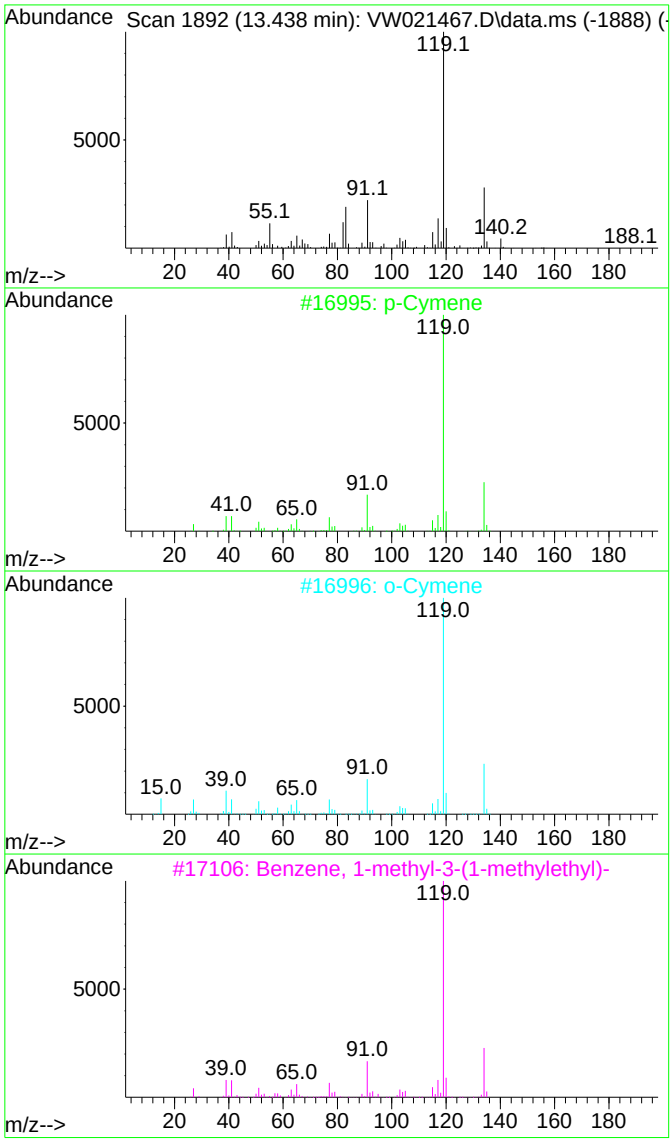
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

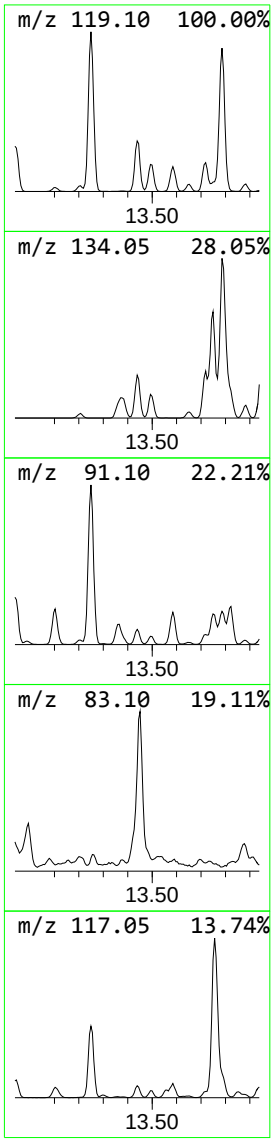
****

Peak Number 37 p-Cymene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.438	7.08 ug/L	751289	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	o-Cymene	134	C10H14	000527-84-4	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	p-Cymene	134	C10H14	000099-87-6	93
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

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

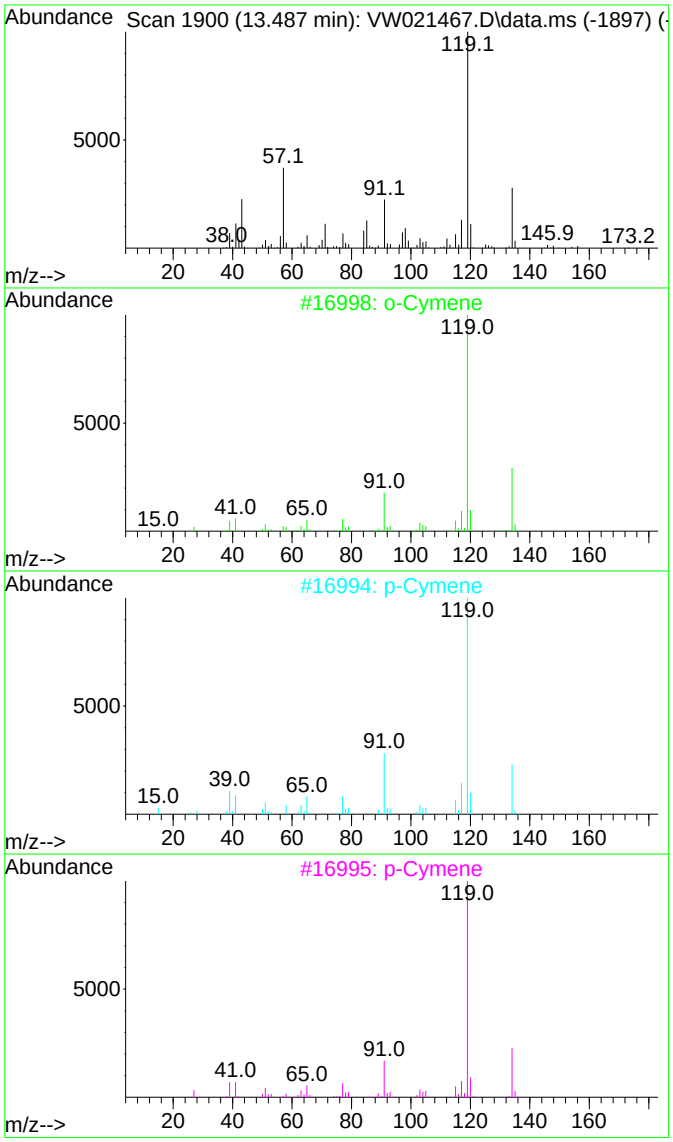
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

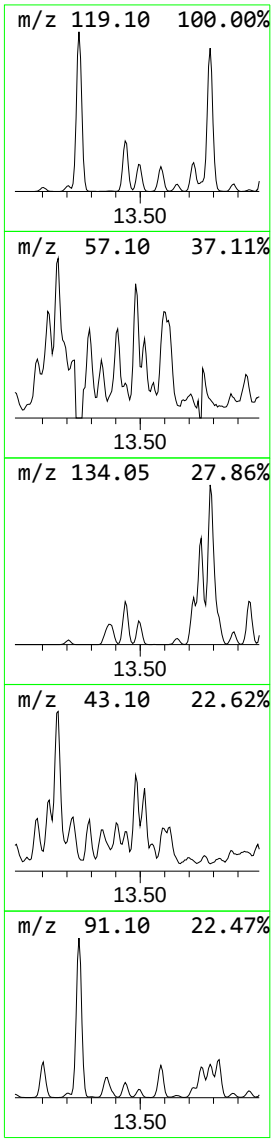
****

Peak Number 38 o-Cymene Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.487	4.17 ug/L	442562	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	p-Cymene	134	C10H14	000099-87-6	93
3	p-Cymene	134	C10H14	000099-87-6	93
4	o-Cymene	134	C10H14	000527-84-4	93
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

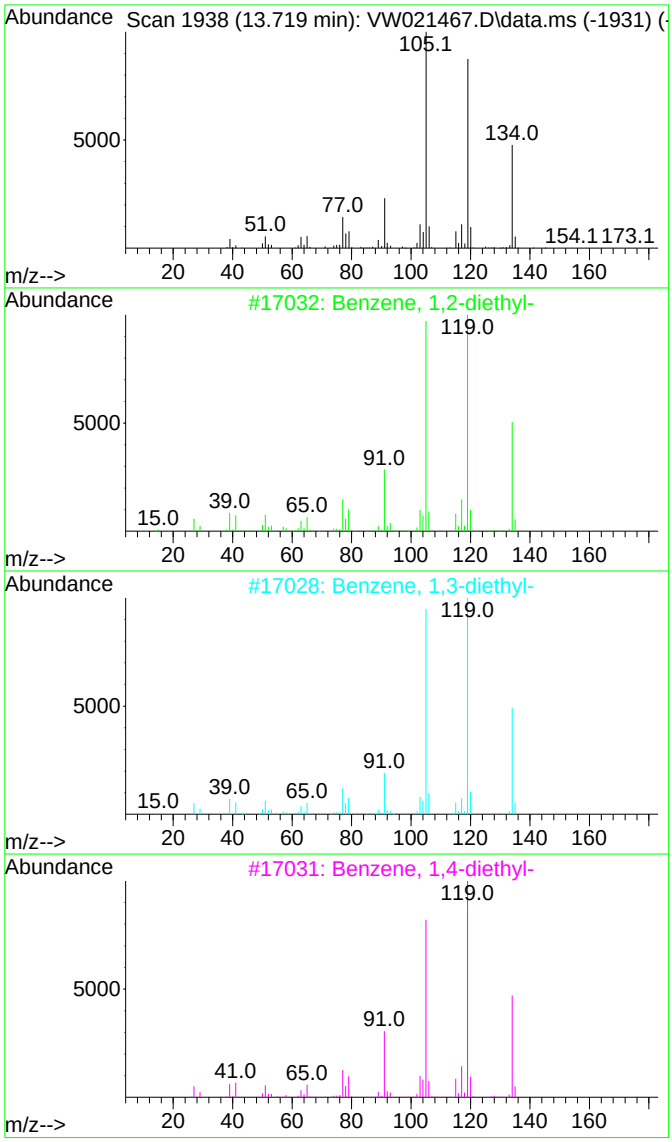
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

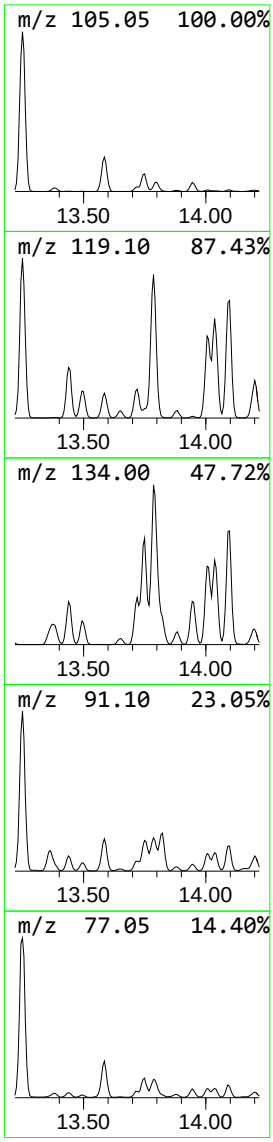
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 Benzene, 1,2-diethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.719	3.68 ug/L	390962	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

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

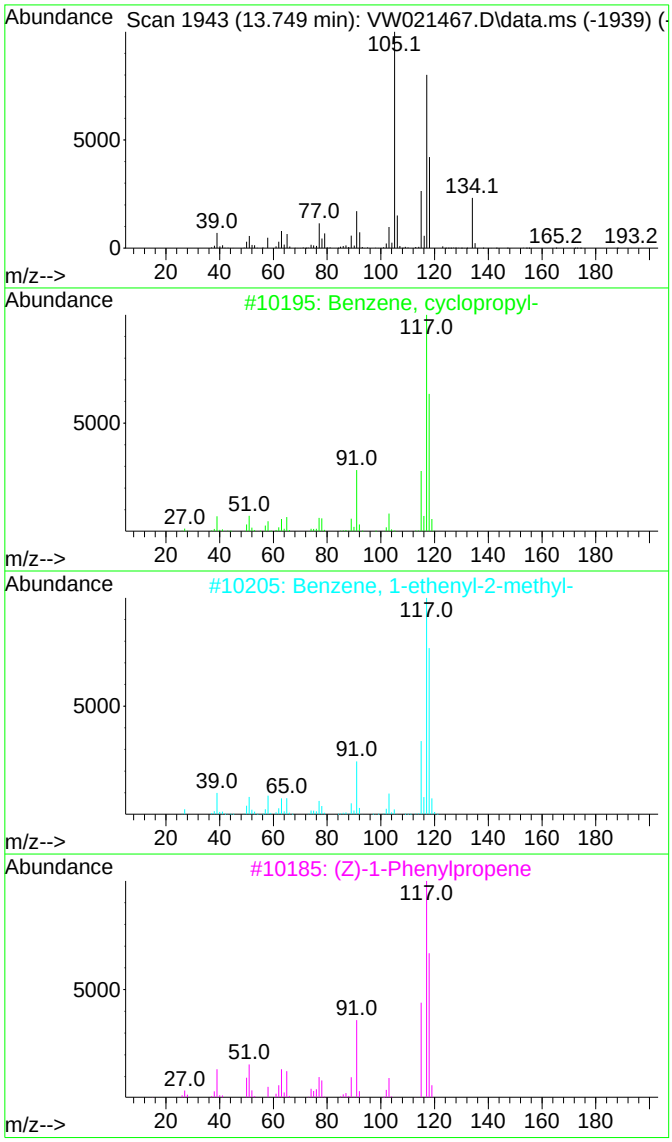
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

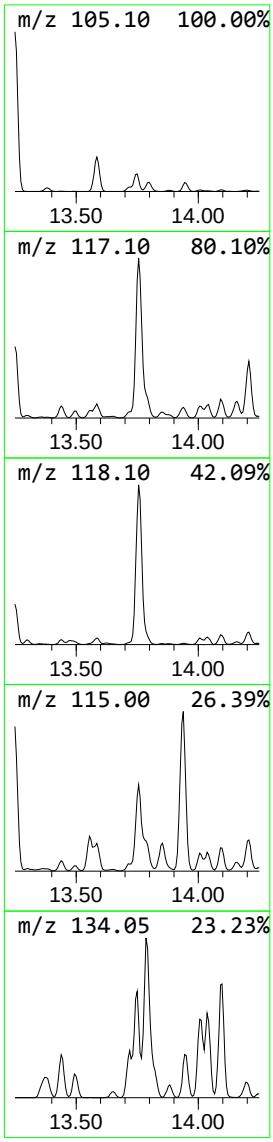
****

Peak Number 40 Benzene, cyclopropyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.749	17.41 ug/L	1847870	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64
3	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	58
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	52
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

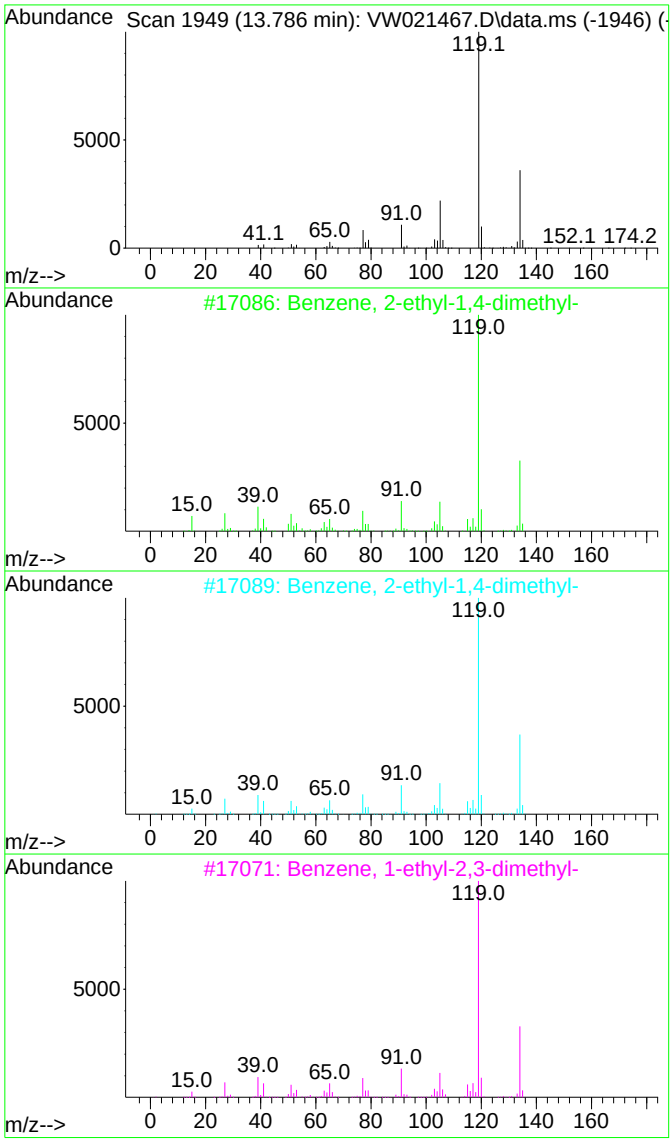
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

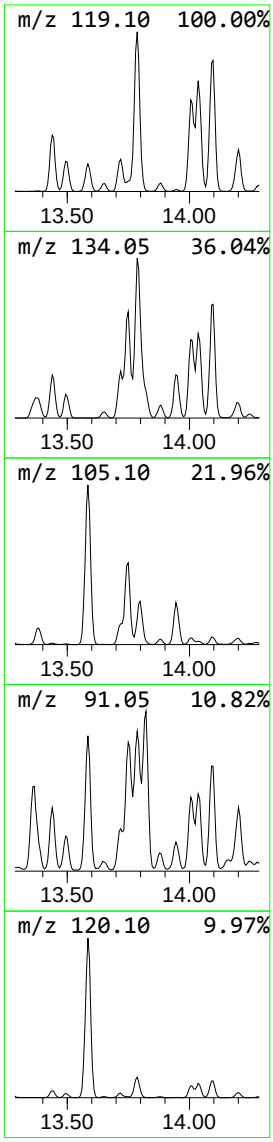
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.786	16.81 ug/L	1784360	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

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

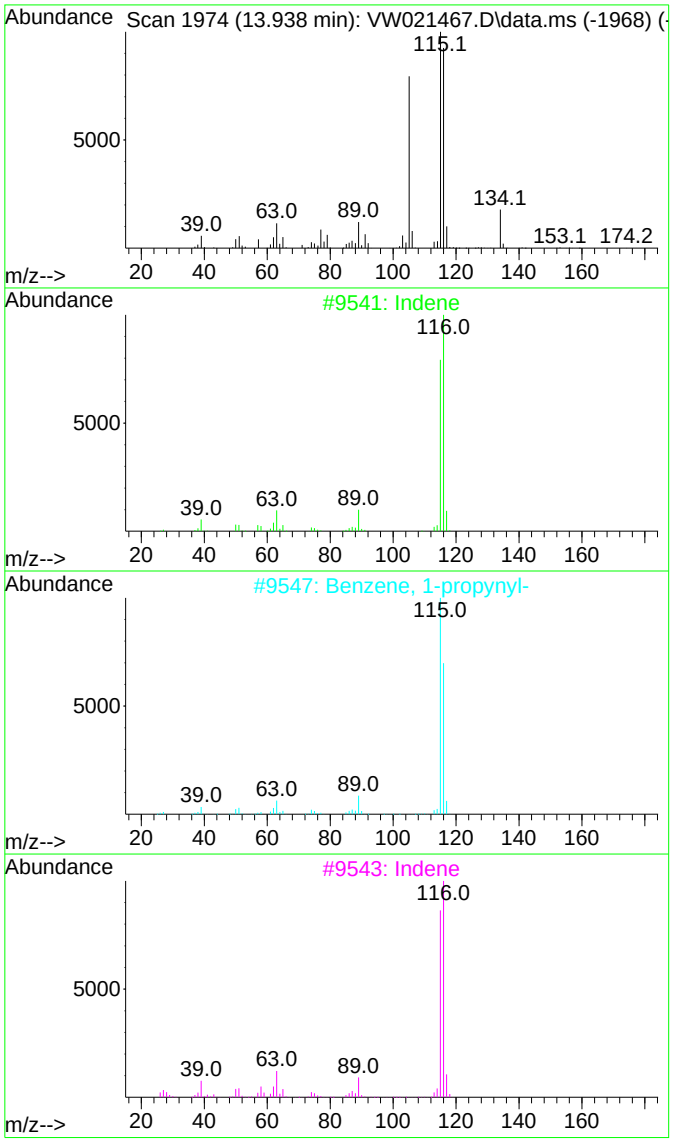
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

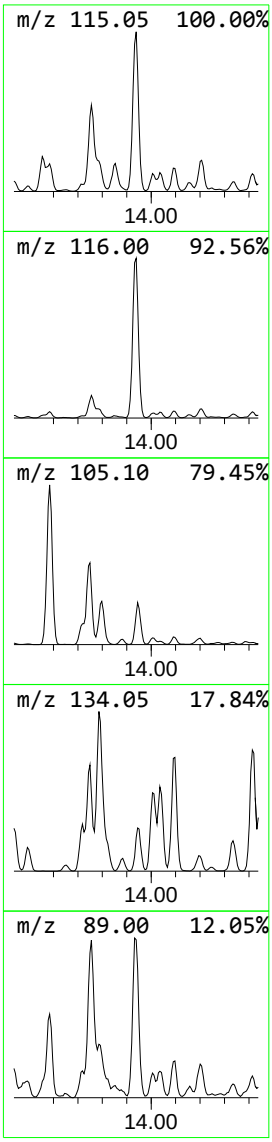
****

Peak Number 42 Indene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.938	10.06 ug/L	1068150	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	Indene	116	C9H8	000095-13-6	94
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	81
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

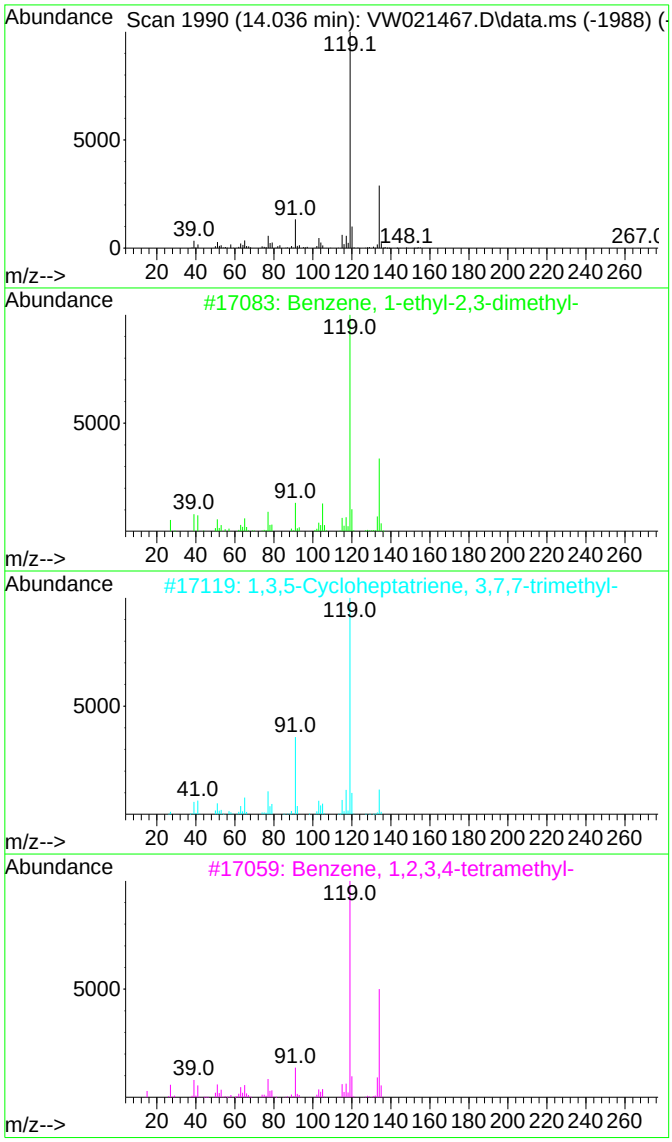
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

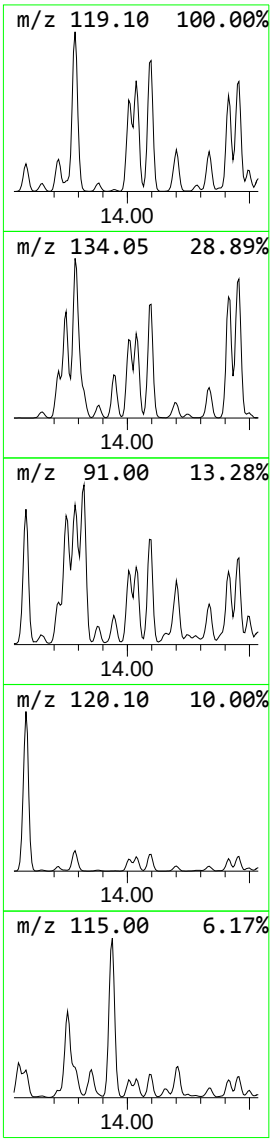
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.036	6.59 ug/L	698942	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
2	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	91
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

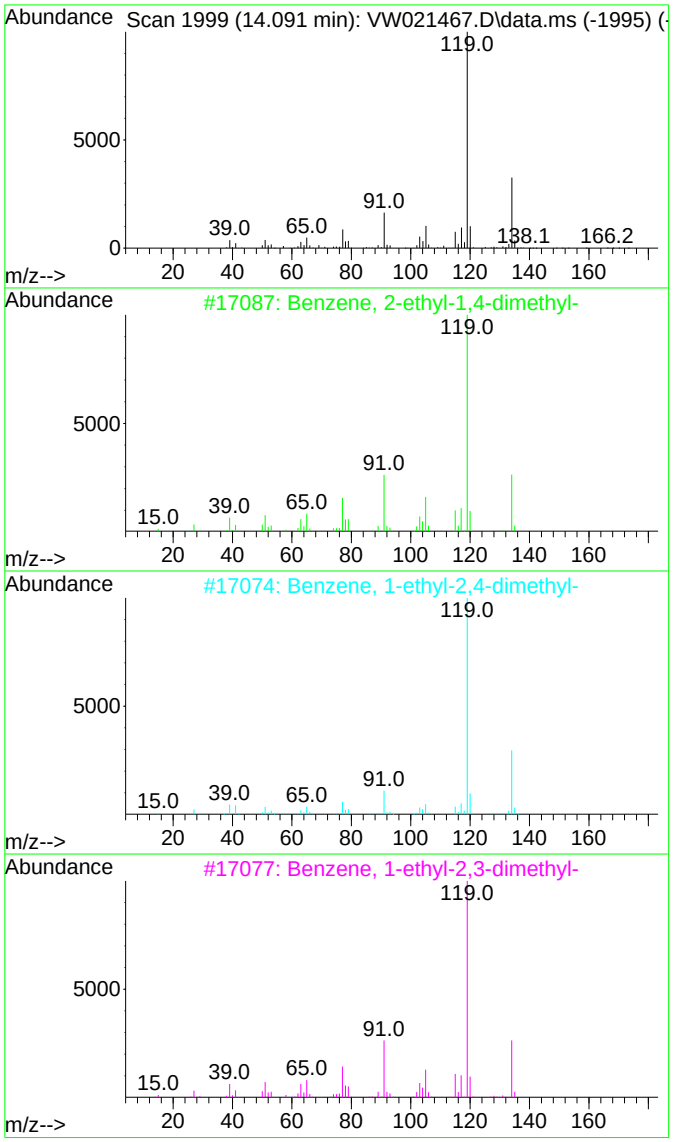
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

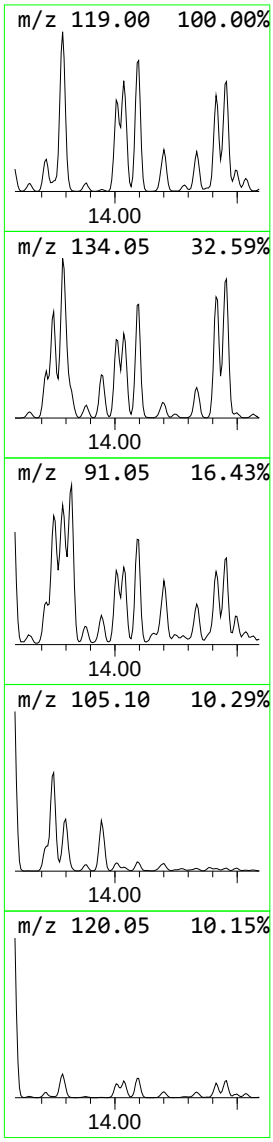
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.091	9.34 ug/L	991592	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

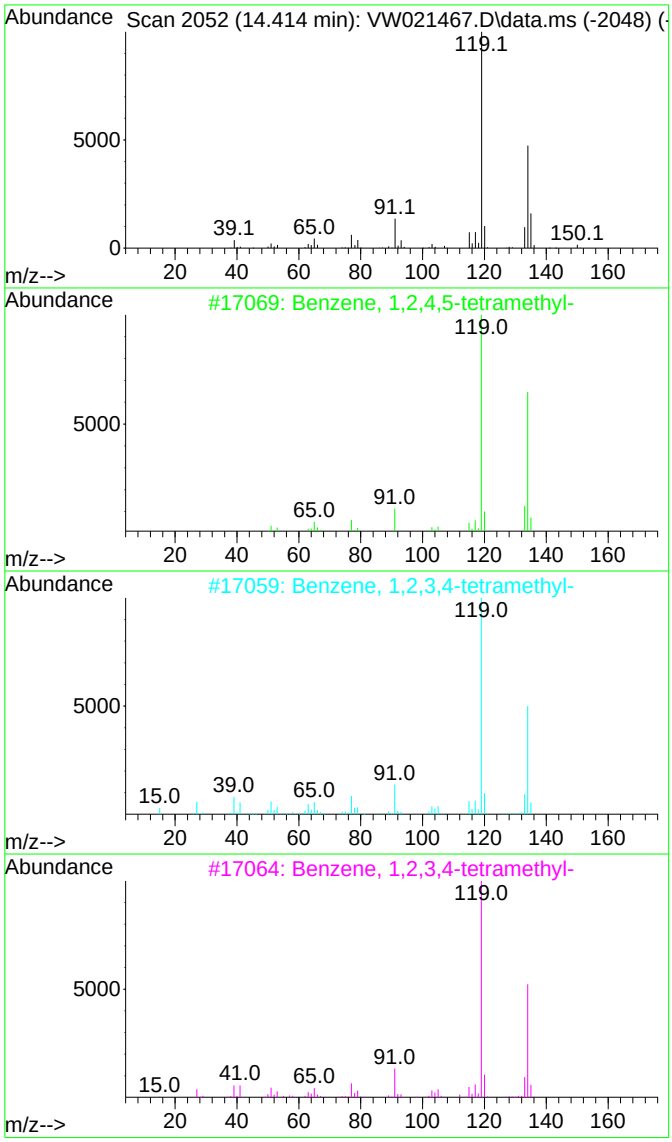
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

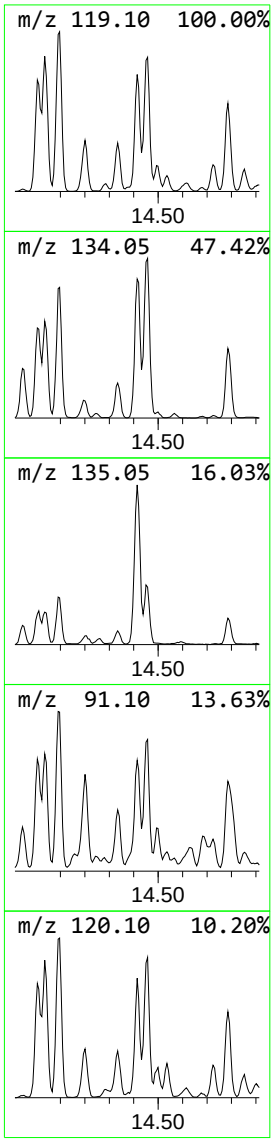
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.414	8.15 ug/L	864656	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	91
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	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 : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

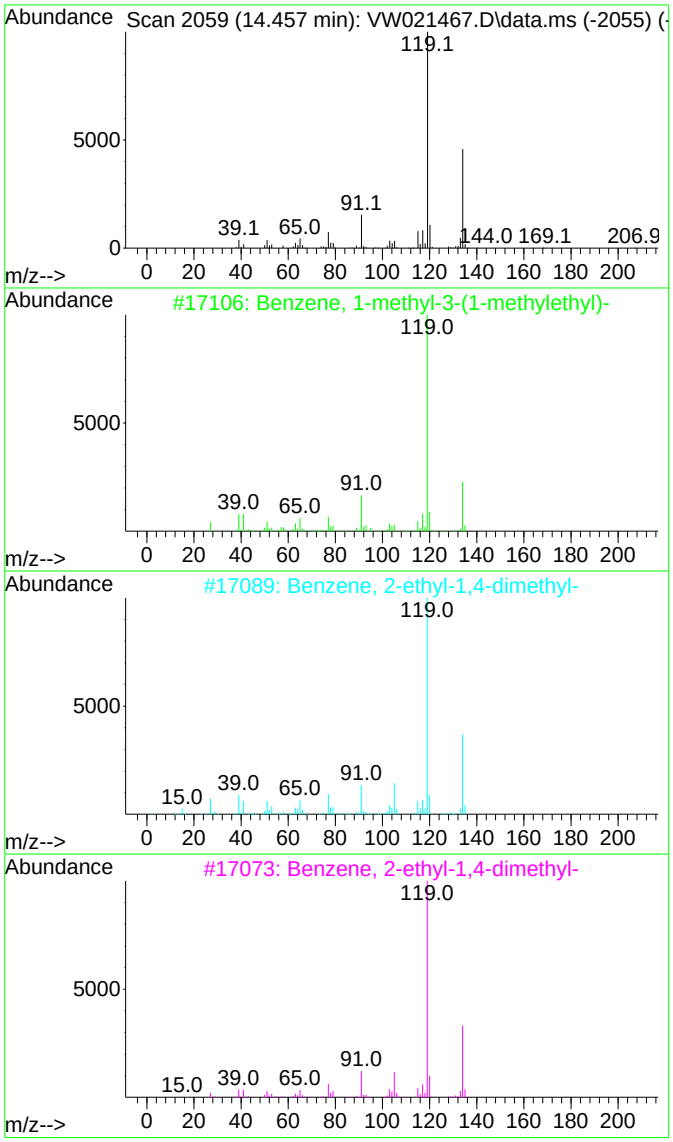
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

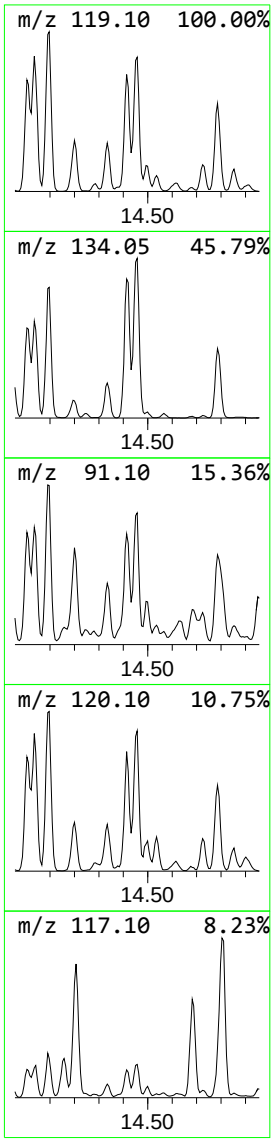
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 Benzene, 1-methyl-3-(1-meth... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.457	8.22 ug/L	872000	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

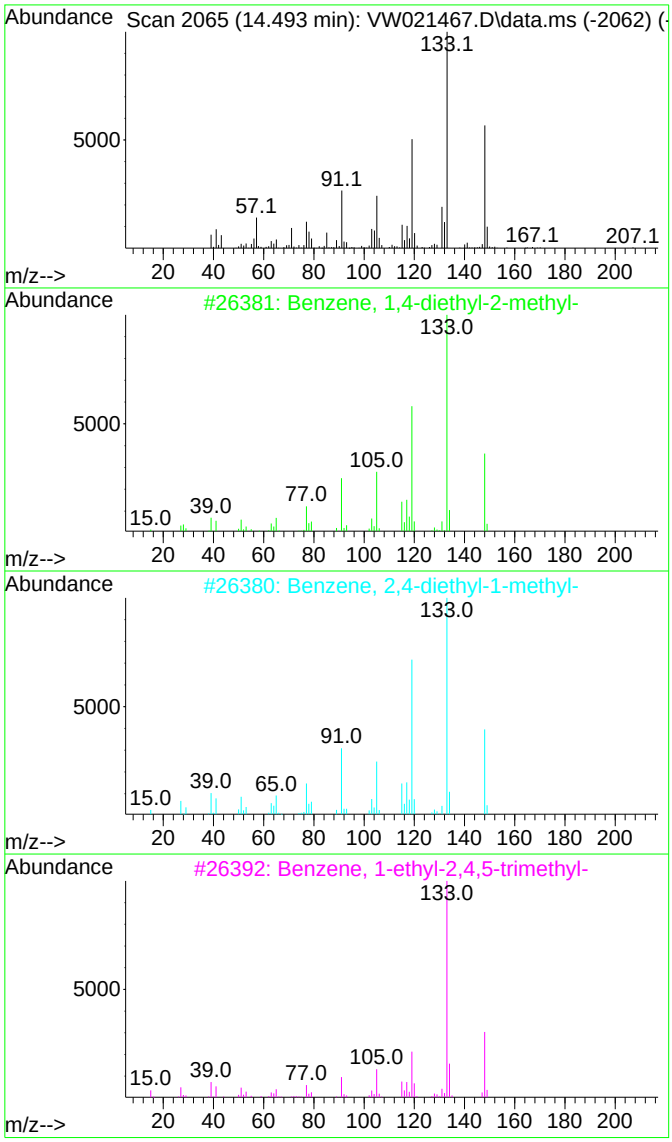
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

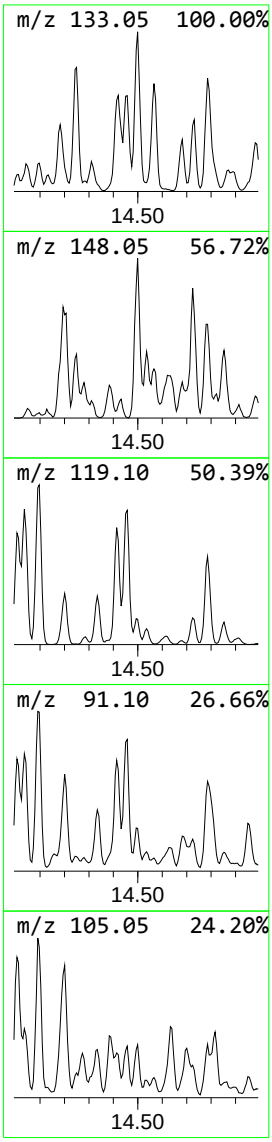
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.493	3.33 ug/L	353484	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	90
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	87
3	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	81
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	74
5	2-Allyl-4-methylphenol	148	C10H12O	006628-06-4	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

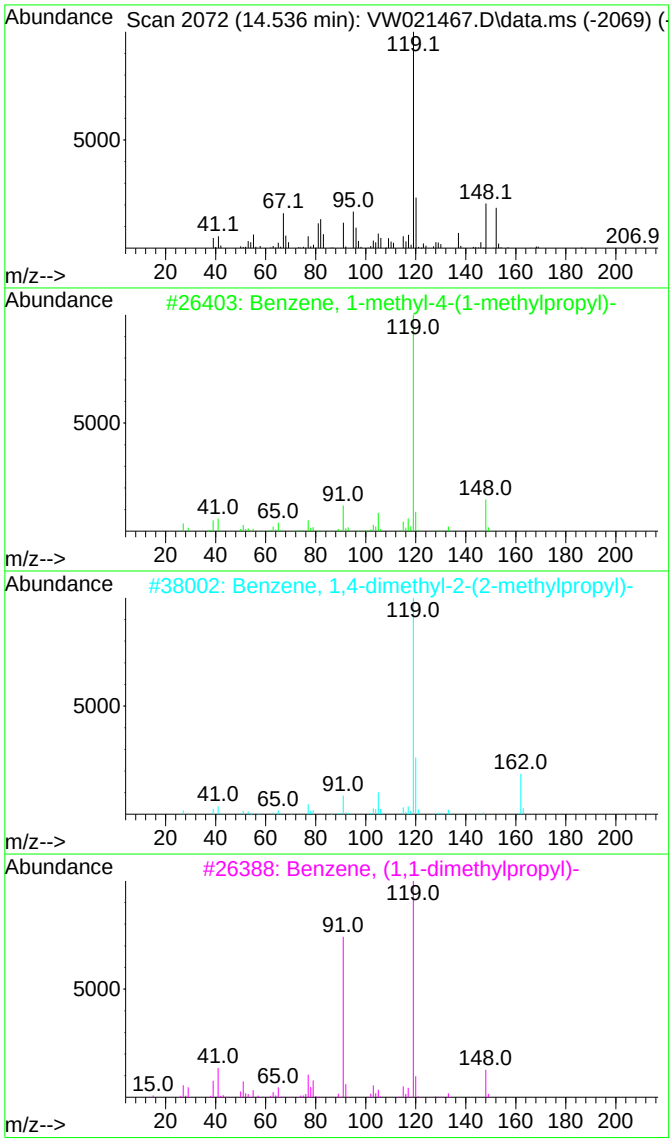
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

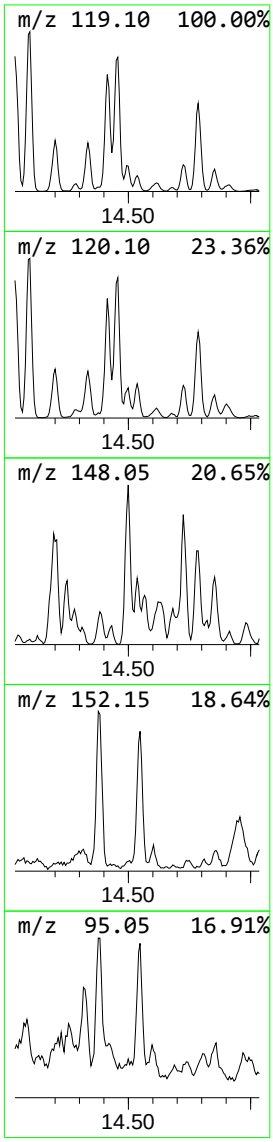
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 Benzene, 1-methyl-4-(1-meth... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.536	1.85 ug/L	196028	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	52
2	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	50
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	50
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	43
5	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

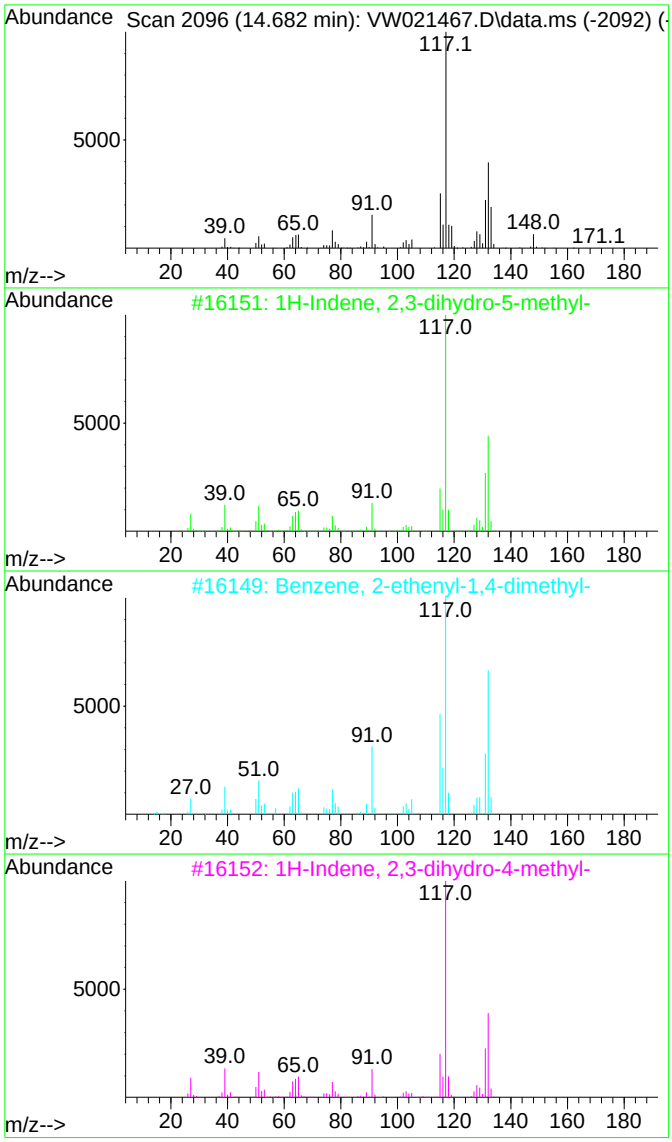
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

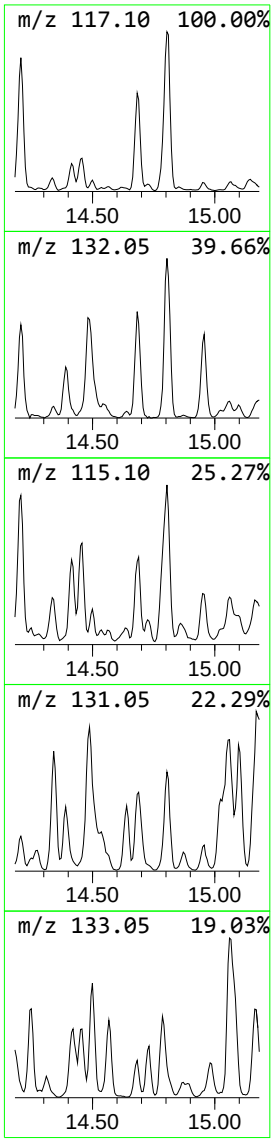
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.682	2.67 ug/L	283195	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	83
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

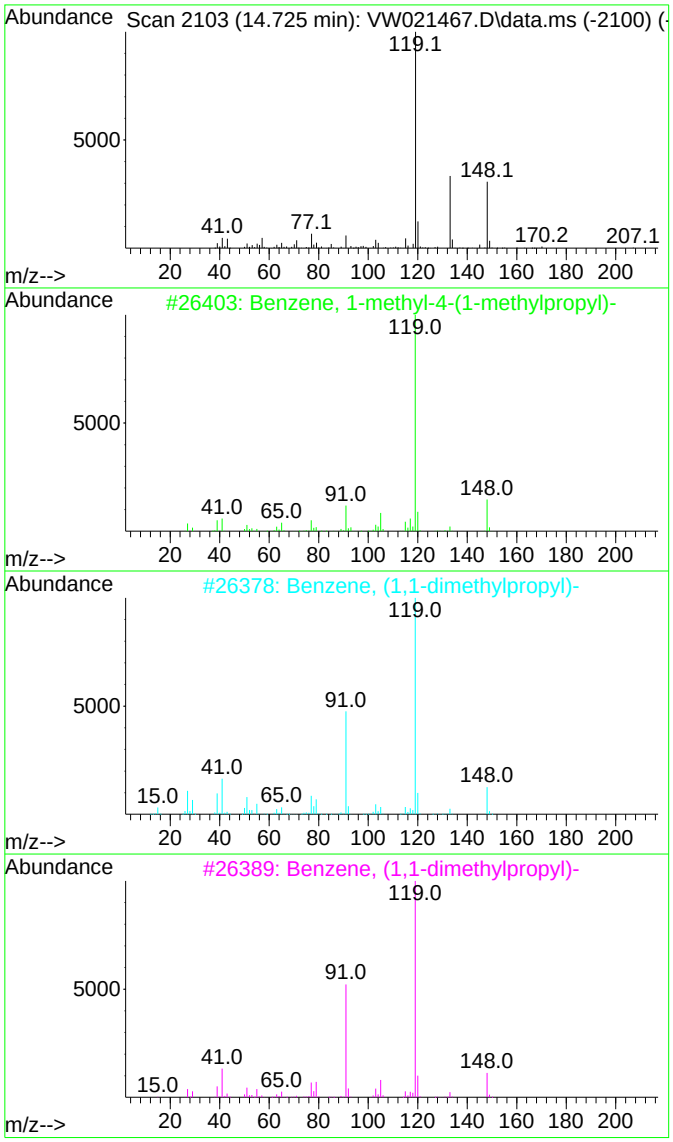
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

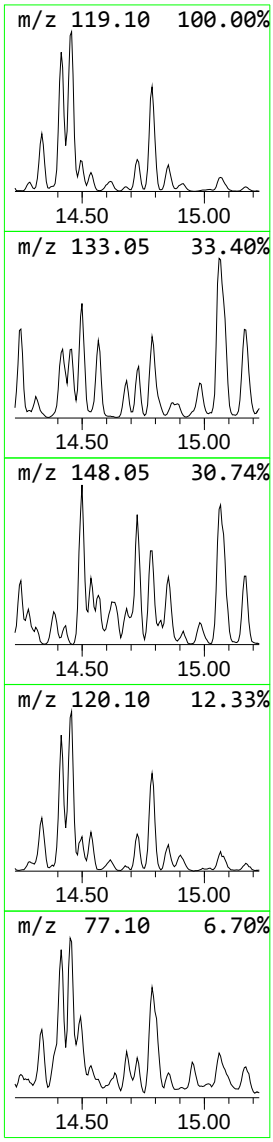
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 Benzene, (1,1-dimethylpropyl)- Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.725	1.94 ug/L	206023	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	72
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
4	3,5-Dimethylbenzylpentylamine	205	C14H23N	1000491-60-8	64
5	p-Cymene	134	C10H14	000099-87-6	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

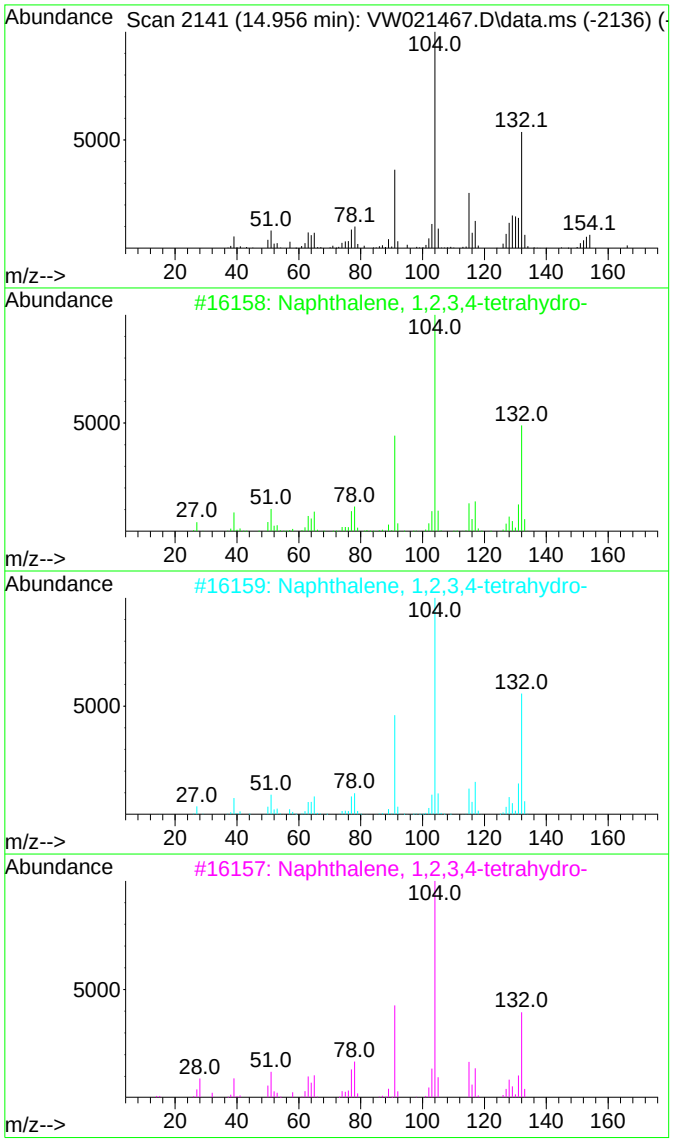
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

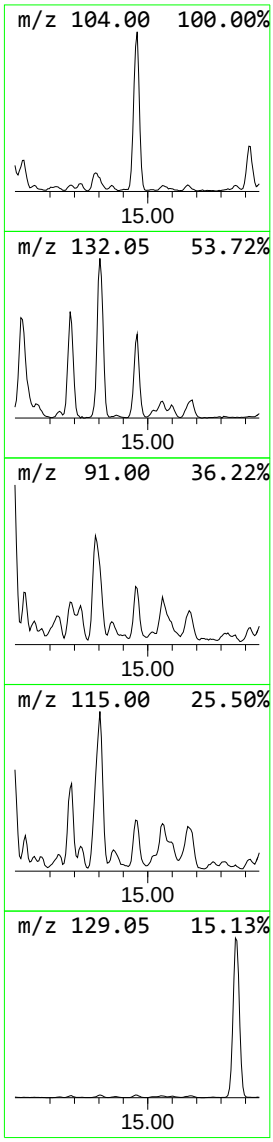
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 55 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.956	1.93 ug/L	204473	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

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

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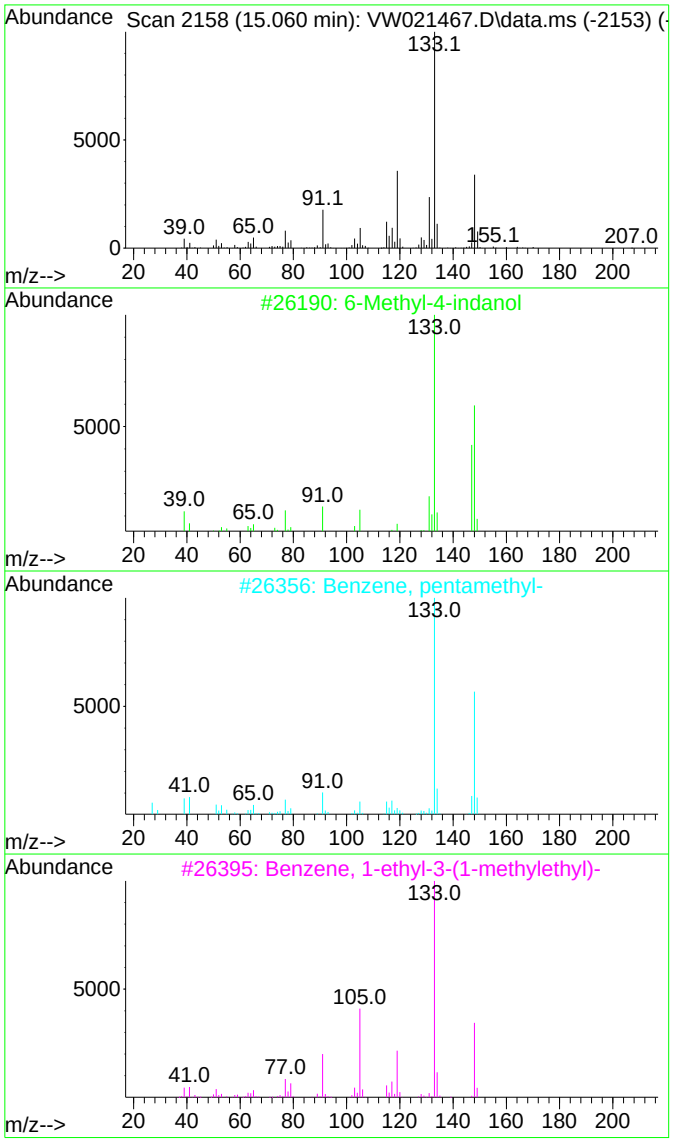
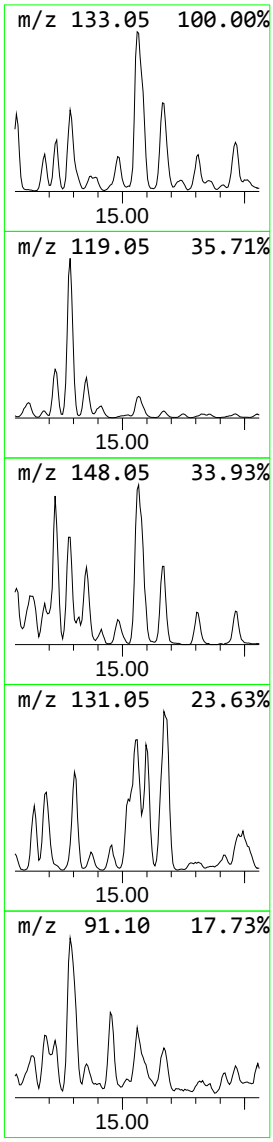
Peak Number 56 6-Methyl-4-indanol Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	3.38 ug/L	358714	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methyl-4-indanol	148	C10H12O	020294-32-0	80
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
3	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	74
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	74
5	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

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

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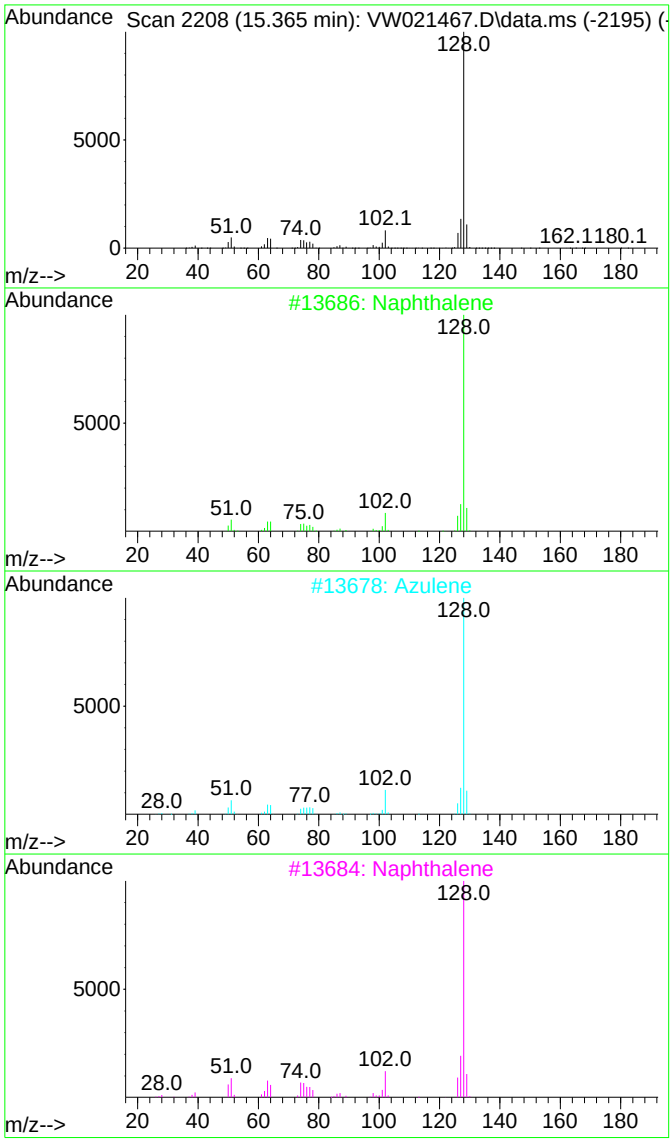
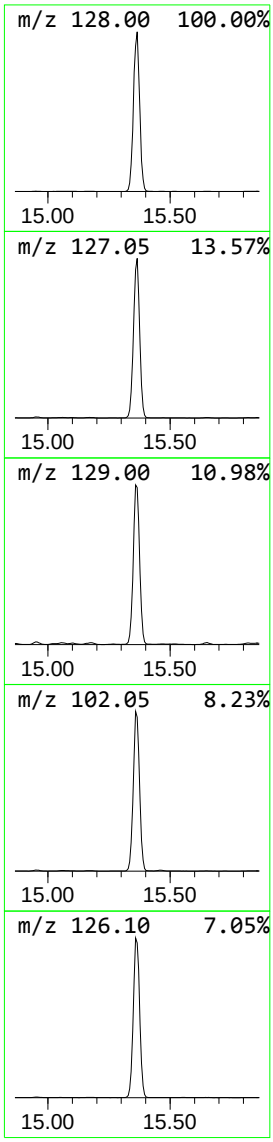
Peak Number 57 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.365	88.50 ug/L	9392300	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	94
3	Naphthalene	128	C10H8	000091-20-3	94
4	Azulene	128	C10H8	000275-51-4	91
5	Azulene	128	C10H8	000275-51-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

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

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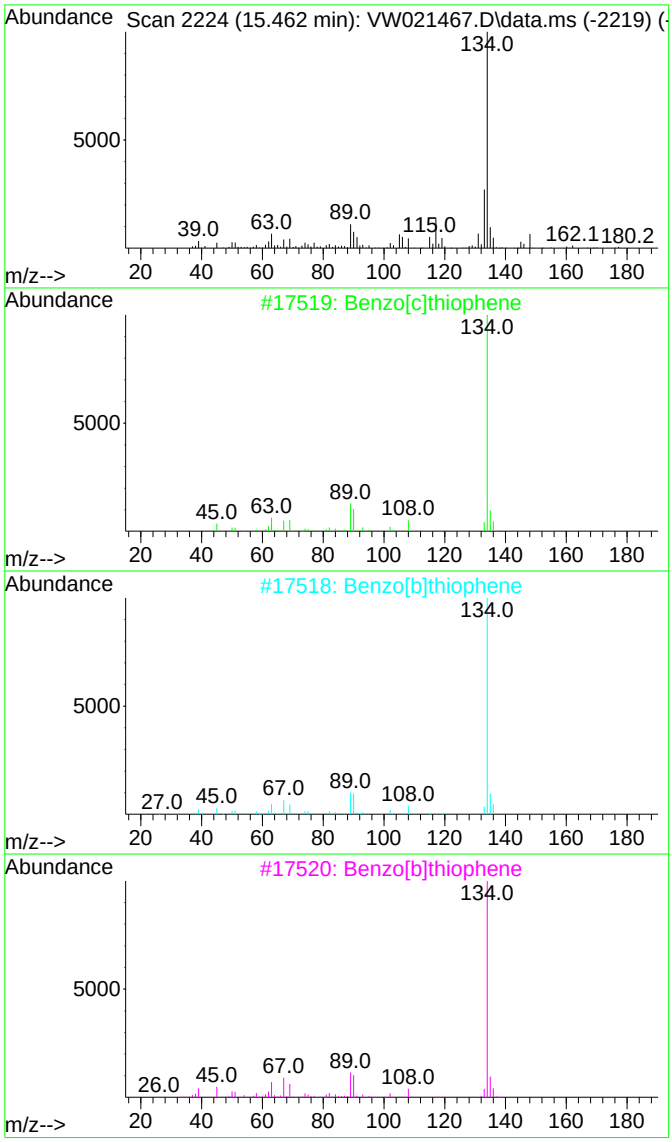
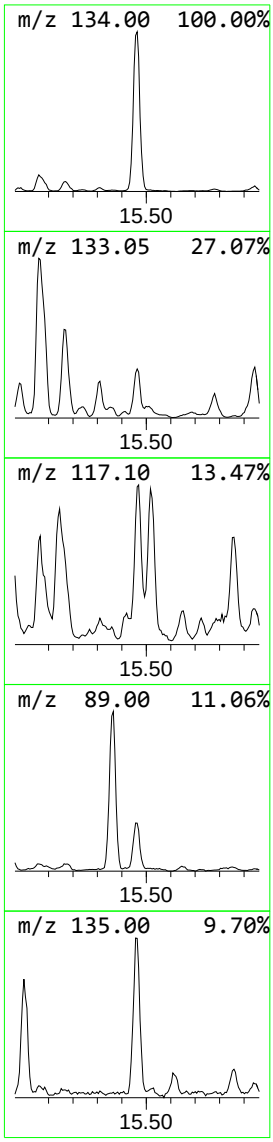
Peak Number 58 Benzo[c]thiophene Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.462	2.78 ug/L	294684	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	92
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	76
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	70
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	70
5	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

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

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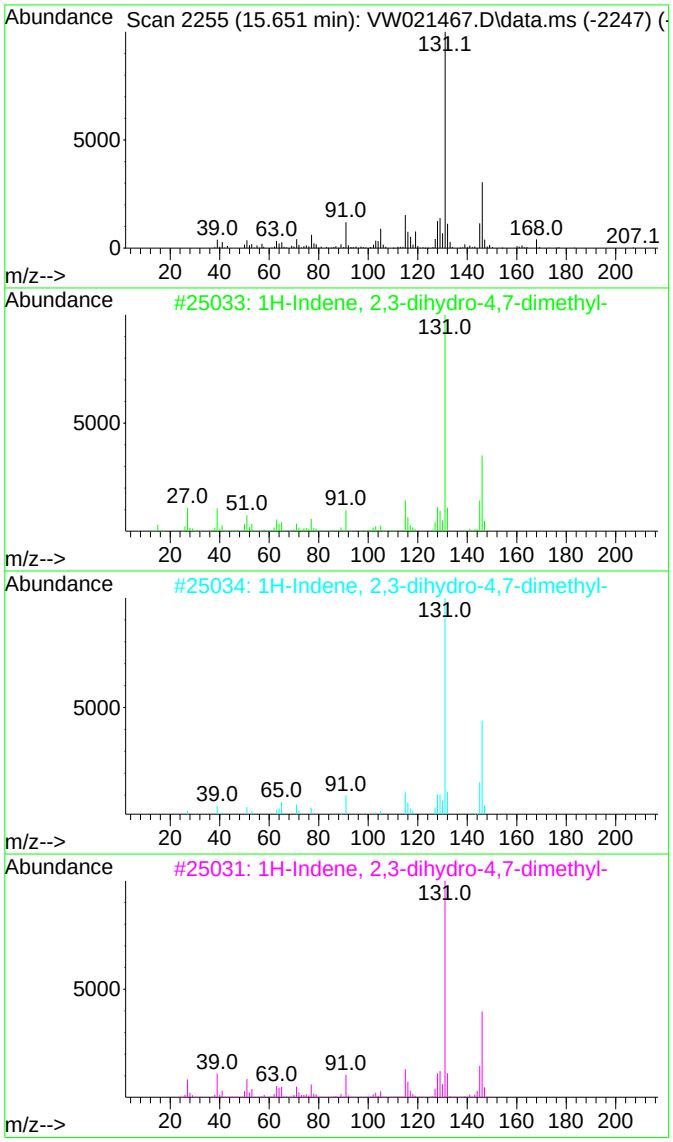
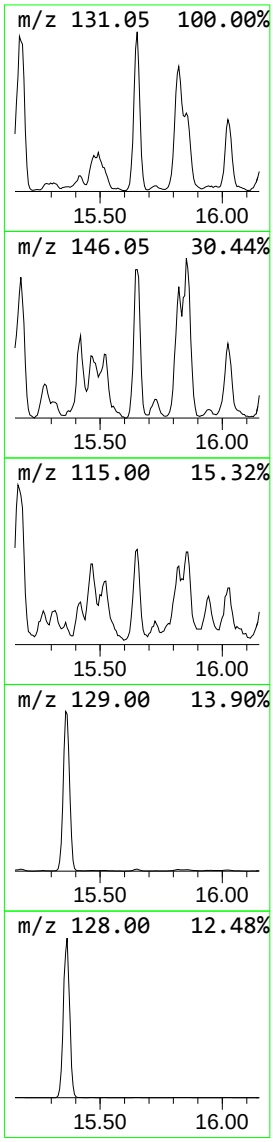
Peak Number 59 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	1.94 ug/L	205779	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	96
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	93
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021467.D
Acq On : 18 Dec 2021 11:29
Operator : SY/VA
Sample : M5154-08
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL88

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
Ethyl ether	3.684	3.0	ug/L	49273	1	8.848	408622	25.0
(DEL) Alkane: S...	4.952	6.9	ug/L	112147	1	8.848	408622	25.0
(DEL) Alkane: S...	5.434	4.4	ug/L	72116	1	8.848	408622	25.0
2-Ethyl-oxetane	5.940	6.3	ug/L	103678	1	8.848	408622	25.0
(DEL) Alkane: S...	7.921	6.5	ug/L	106563	1	8.848	408622	25.0
(DEL) Alkane: S...	8.159	6.8	ug/L	111735	1	8.848	408622	25.0
(DEL) Alkane: S...	8.482	4.1	ug/L	66665	1	8.848	408622	25.0
(DEL) Alkane: S...	8.695	6.3	ug/L	102798	1	8.848	408622	25.0
(DEL) Alkane: S...	9.073	5.3	ug/L	87130	1	8.848	408622	25.0
(DEL) Alkane: S...	9.957	3.7	ug/L	60698	1	8.848	408622	25.0
Butanoic acid, ...	10.098	4.9	ug/L	80290	1	8.848	408622	25.0
(DEL) Alkane: S...	10.506	2.5	ug/L	57032	2	11.634	565384	25.0
(DEL) Alkane: C...	10.756	3.1	ug/L	70297	2	11.634	565384	25.0
(DEL) Alkane: S...	10.847	2.0	ug/L	44498	2	11.634	565384	25.0
(DEL) Alkane: S...	11.030	3.4	ug/L	75952	2	11.634	565384	25.0
Hexanal	11.067	1.9	ug/L	43112	2	11.634	565384	25.0
(DEL) Alkane: C...	11.110	2.0	ug/L	46452	2	11.634	565384	25.0
(DEL) Alkane: C...	11.183	3.1	ug/L	71107	2	11.634	565384	25.0
Acetamide, N-(2...	11.225	3.0	ug/L	67361	2	11.634	565384	25.0
(DEL) Alkane: C...	11.274	3.3	ug/L	74494	2	11.634	565384	25.0
(DEL) Alkane: S...	11.335	3.9	ug/L	87589	2	11.634	565384	25.0
(DEL) Alkane: S...	11.408	16.4	ug/L	372136	2	11.634	565384	25.0
(DEL) Alkane: S...	11.512	9.8	ug/L	222202	2	11.634	565384	25.0
(DEL) Alkane: C...	11.920	4.5	ug/L	102097	2	11.634	565384	25.0
(DEL) Alkane: S...	12.061	4.6	ug/L	103303	2	11.634	565384	25.0
(DEL) Alkane: S...	12.250	9.9	ug/L	224713	2	11.634	565384	25.0
(DEL) Alkane: S...	12.335	12.3	ug/L	277607	2	11.634	565384	25.0
(DEL) Alkane: C...	12.384	10.8	ug/L	243309	2	11.634	565384	25.0
(DEL) Alkane: S...	12.536	9.1	ug/L	206101	2	11.634	565384	25.0
(DEL) Alkane: S...	12.567	7.4	ug/L	166650	2	11.634	565384	25.0
Benzene, propyl-	12.804	14.6	ug/L	1544720	3	13.554	2653230	25.0
Benzene, 1-ethy...	12.865	43.1	ug/L	4576060	3	13.554	2653230	25.0
Benzene, 1-ethy...	13.103	20.8	ug/L	2204640	3	13.554	2653230	25.0
(DEL) Alkane: S...	13.164	1.6	ug/L	168116	3	13.554	2653230	25.0
Benzeneacetalde...	13.377	4.5	ug/L	480794	3	13.554	2653230	25.0
p-Cymene	13.438	7.1	ug/L	751289	3	13.554	2653230	25.0
o-Cymene	13.487	4.2	ug/L	442562	3	13.554	2653230	25.0
Benzene, 1,2-di...	13.719	3.7	ug/L	390962	3	13.554	2653230	25.0
Benzene, cyclop...	13.749	17.4	ug/L	1847870	3	13.554	2653230	25.0
Benzene, 2-ethy...	13.786	16.8	ug/L	1784360	3	13.554	2653230	25.0
Indene	13.938	10.1	ug/L	1068150	3	13.554	2653230	25.0
Benzene, 1-ethy...	14.036	6.6	ug/L	698942	3	13.554	2653230	25.0
Benzene, 4-ethy...	14.091	9.3	ug/L	991592	3	13.554	2653230	25.0
Benzene, 1,2,4,...	14.414	8.2	ug/L	864656	3	13.554	2653230	25.0
Benzene, 1-meth...	14.457	8.2	ug/L	872000	3	13.554	2653230	25.0
Benzene, 1,4-di...	14.493	3.3	ug/L	353484	3	13.554	2653230	25.0
Benzene, 1-meth...	14.536	1.9	ug/L	196028	3	13.554	2653230	25.0
1H-Indene, 2,3-...	14.682	2.7	ug/L	283195	3	13.554	2653230	25.0
Benzene, (1,1-d...	14.725	1.9	ug/L	206023	3	13.554	2653230	25.0
Naphthalene, 1,...	14.956	1.9	ug/L	204473	3	13.554	2653230	25.0
6-Methyl-4-indanol	15.060	3.4	ug/L	358714	3	13.554	2653230	25.0
Azulene	15.365	88.5	ug/L	9392300	3	13.554	2653230	25.0

Benzo[c]thiophene	15.462	2.8	ug/L	294684	3	13.554	2653230	25.0
1H-Indene, 2,3-...	15.651	1.9	ug/L	205779	3	13.554	2653230	25.0

Instrument :
MSVOA_W
ClientSampleId :
BGL88