LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

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: VW021431.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	10	13	24	rVB	3624	6940	0.34%	0.046%
2	2.342	66	72	81	rVB	53609	84893	4.12%	0.560%
3	2.489	90	96	111	rVB	12257	23774	1.15%	0.157%
4	2.629	117	119	125	rVV6	696	1300	0.06%	0.009%
5	2.696	129	130	135	rVB	554	440	0.02%	0.003%
6	2.800	142	147	150	rBV	662	1167	0.06%	0.008%
7	2.873	152	159	172	rVB	27678	59070	2.86%	0.389%
8	3.147	202	204	205	rVV	351	265	0.01%	0.002%
9	3.165	205	207	213	rVB2	666	975	0.05%	0.006%
10	3.367	237	240	246	rVB2	326	559	0.03%	0.004%
11	3.714	292	297	303	rVB2	321	721	0.03%	0.005%
12	4.007	335	345	358	rBV	50018	151993	7.37%	1.002%
13	4.117	358	363	377	rVV	5637	14674	0.71%	0.097%
14	4.373	397	405	414	rBV2	2001	6107	0.30%	0.040%
15	4.909	484	493	506	rBB2	3815	12428	0.60%	0.082%
16	5.324	559	561	564	rVB2	140	194	0.01%	0.001%
17	5.775	628	635	645	rVB2	2104	6584	0.32%	0.043%
18	5.933	656	661	662	rBV2	535	824	0.04%	0.005%
19	6.098	683	688	691	rBV3	319	627	0.03%	0.004%
20	6.701	782	787	793	rBV2	686	1573	0.08%	0.010%
21	6.890	804	818	831	rBV6	4436	17977	0.87%	0.119%
22	7.073	839	848	857	rBV	12749	34974	1.70%	0.231%
23	7.244	875	876	882	rVB2	320	361	0.02%	0.002%
24	7.531	921	923	928	rVB	136	207	0.01%	0.001%
25	7.646	932	942	954	rBV	77237	190234	9.22%	1.254%
26	7.921	977	987	995	rBV	28784	66064	3.20%	0.436%
27	8.030	995	1005	1015	rVB3	5363	13232	0.64%	0.087%
28	8.152	1015	1025	1035	rVB	42065	95449	4.63%	0.629%
29	8.268	1035	1044	1061	rBV2	152972	456034	22.11%	3.007%
30	8.421	1061	1069	1071	rBV4	3020	6468	0.31%	0.043%
31	8.476	1071	1078	1090	rVB2	27826	68070	3.30%	0.449%
32	8.701	1109	1115	1121	rBV6	631	1516	0.07%	0.010%
33	8.841	1129	1138	1146	rBV	152594	303469	14.71%	2.001%
34	9.073	1168	1176	1182	rBV2	5847	12738	0.62%	0.084%
35	9.146	1182	1188	1194	rVB2	3641	7353	0.36%	0.048%
36	9.274	1200	1209	1215	rBV	102213	219689	10.65%	1.448%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

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	9.378	1222	1226	1235	rVB4	18192	38968	1.89%	0.257%
38	9.463	1235	1240	1248	rVB3	2454	5140	0.25%	0.034%
39	9.603	1251	1263	1269	rBV4	9947	29063	1.41%	0.192%
40	9.756	1280	1288	1301	rVB2	26050	55745	2.70%	0.368%
41	9.890	1301	1310	1316	rBV2	39454	81760	3.96%	0.539%
42	9.987	1321	1326	1329	rVV	21763	34923	1.69%	0.230%
43	10.030	1329	1333	1338	rVV	52552	93076	4.51%	0.614%
44	10.091	1338	1343	1356	rVB3	28970	83368	4.04%	0.550%
45	10.213	1356	1363	1364	rBV3	5145	8363	0.41%	0.055%
46	10.243	1364	1368	1373	rVB2	15700	28526	1.38%	0.188%
47	10.323	1373	1381	1395	rBV	290185	566613	27.47%	3.736%
48	10.445	1395	1401	1404	rBV	10264	18064	0.88%	0.119%
49	10.487	1404	1408	1417	rVB5	15216	42624	2.07%	0.281%
50	10.579	1417	1423	1431	rBV	38165	71236	3.45%	0.470%
51	10.664	1431	1437	1443	rBV	30650	52268	2.53%	0.345%
52	10.756	1443	1452	1457	rBV4	29605	72205	3.50%	0.476%
53	10.847	1462	1467	1472	rVB2	28889	52184	2.53%	0.344%
54	10.926	1472	1480	1485	rBV2	77987	174551	8.46%	1.151%
55	10.993	1487	1491	1493	rBV2	23926	34122	1.65%	0.225%
56	11.030	1494	1497	1501	rVB2	31826	41642	2.02%	0.275%
57	11.109	1506	1510	1513	rBV	41219	66252	3.21%	0.437%
58	11.176	1517	1521	1525	rVV	69204	105149	5.10%	0.693%
59	11.225	1525	1529	1533	rVV2	52257	84504	4.10%	0.557%
60	11.274	1534	1537	1543	rVB3	29928	51640	2.50%	0.340%
61	11.335	1543	1547	1550	rBV2	40178	52093	2.53%	0.343%
62	11.432	1560	1563	1571	rVB2	82605	158633	7.69%	1.046%
63	11.512	1571	1576	1584	rVB3	36731	76529	3.71%	0.505%
64	11.627	1588	1595	1603	rBV	254986	438263	21.25%	2.889%
65	11.762	1612	1617	1621	rBV	62085	103023	4.99%	0.679%
66	11.810	1621	1625	1629	rVV3	63873	116076	5.63%	0.765%
67	11.871	1630	1635	1639	rVV	179355	313677	15.21%	2.068%
68	11.914	1639	1642	1647	rVB	105028	166559	8.08%	1.098%
69	11.975	1647	1652	1654	rBV4	9554	17663	0.86%	0.116%
70	12.054	1658	1665	1671	rVB3	45404	110653	5.36%	0.730%
71	12.133	1671	1678	1690	rBV4	241112	701914	34.03%	4.628%
72	12.249	1694	1697	1701	rVB	122407	167815	8.14%	1.106%
73	12.335	1701	1711	1715	rBV3	172720	524776	25.44%	3.460%
74	12.383	1716	1719	1723	rVB	145909	190064	9.21%	1.253%
75	12.694	1762	1770	1775	rBV3	202815	457051	22.16%	3.013%
76	12.780	1780	1784	1790	rVB3	174715	331433	16.07%	2.185%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

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	12.859	1790	1797	1800	rBV4	102478	220454	10.69%	1.453%
78	12.938	1806	1810	1815	rVV3	211118	355052	17.21%	2.341%
79	12.987	1815	1818	1823	rVB2	112598	176041	8.53%	1.161%
80	13.078	1829	1833	1836	rBV3	86476	119576	5.80%	0.788%
81	13.121	1837	1840	1843	rVV2	74885	122075	5.92%	0.805%
82	13.164	1843	1847	1855	rVV4	178670	359221	17.42%	2.368%
83	13.249	1858	1861	1865	rVV	114651	157969	7.66%	1.041%
84	13.292	1865	1868	1871	rVB2	59885	75468	3.66%	0.498%
85	13.377	1879	1882	1884	rBV2	40145	58151	2.82%	0.383%
86	13.554	1906	1911	1915	rBV	260848	425498	20.63%	2.805%
87	13.877	1955	1964	1968	rBV2	354188	875940	42.47%	5.775%
88	14.200	2012	2017	2021	rBV3	85254	158136	7.67%	1.043%
89	14.261	2022	2027	2033	rVB6	133558	286458	13.89%	1.889%
90	14.322	2034	2037	2042	rVB6	54900	85530	4.15%	0.564%
91	14.383	2042	2047	2049	rBV2	163607	257170	12.47%	1.695%
92	14.413	2050	2052	2056	rVB2	182265	219570	10.65%	1.448%
93	14.633	2085	2088	2094	rVB2	89161	141116	6.84%	0.930%
94	14.724	2099	2103	2108	rVB	87370	127181	6.17%	0.838%
95	15.060	2155	2158	2164	rBV2	60618	91564	4.44%	0.604%
96	15.358	2197	2207	2214	rBV	1098578	2062597	100.00%	13.598%
97	15.651	2247	2255	2261	rBV4	54574	159732	7.74%	1.053%
98	15.944	2299	2303	2308	rVB3	51791	85378	4.14%	0.563%
99	16.431	2378	2383	2398	rVB4	105788	309496	15.01%	2.040%
100	16.639	2409	2417	2425	rBV	230928	551364	26.73%	3.635%

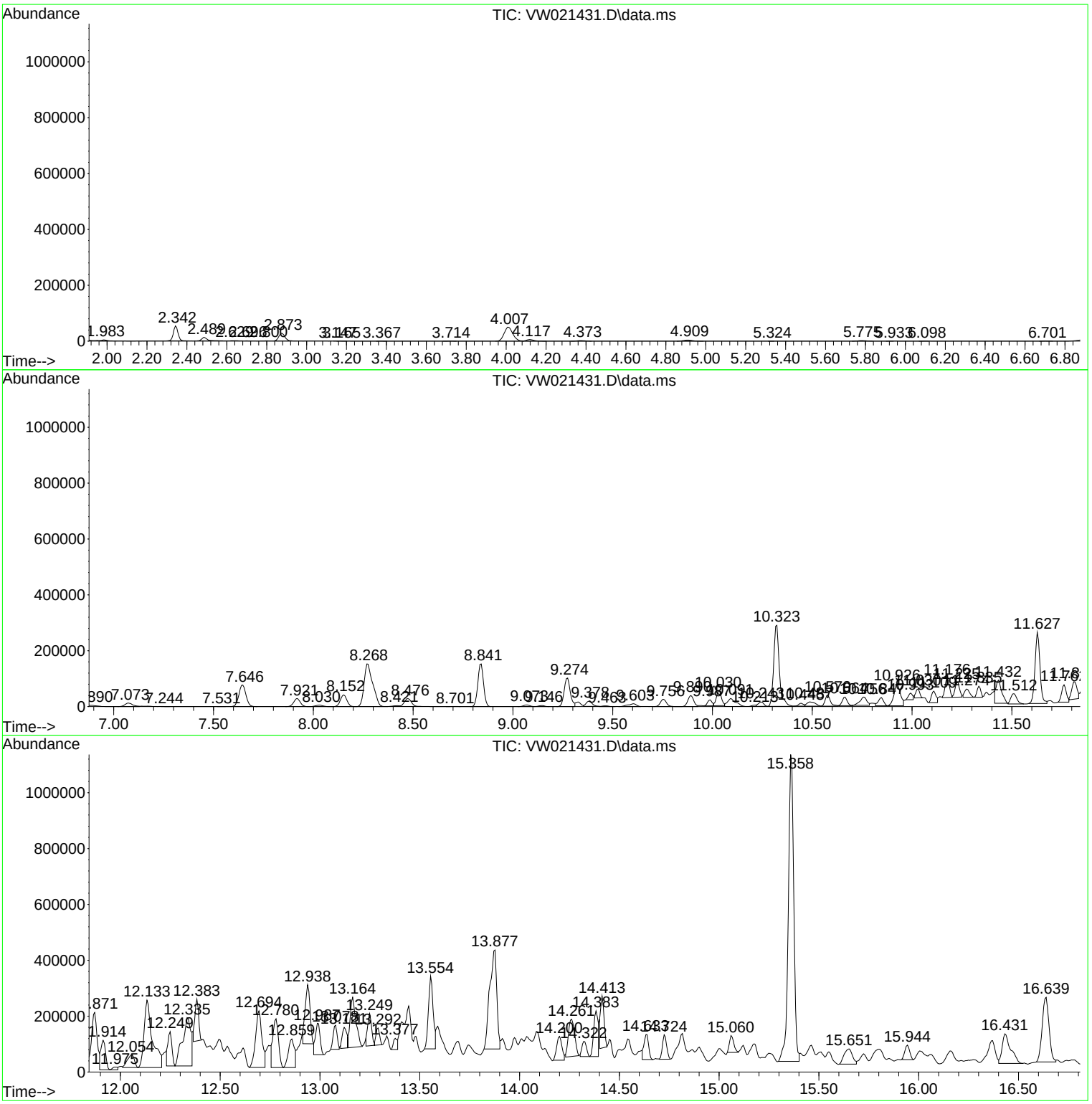
Sum of corrected areas: 15167888

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

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\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

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

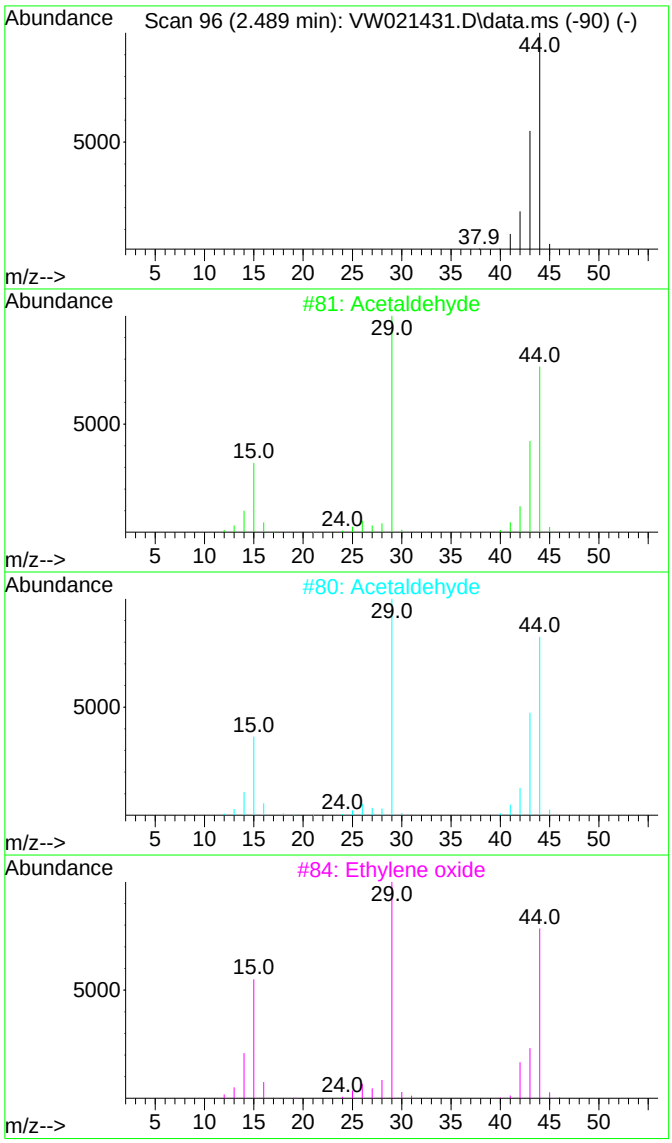
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

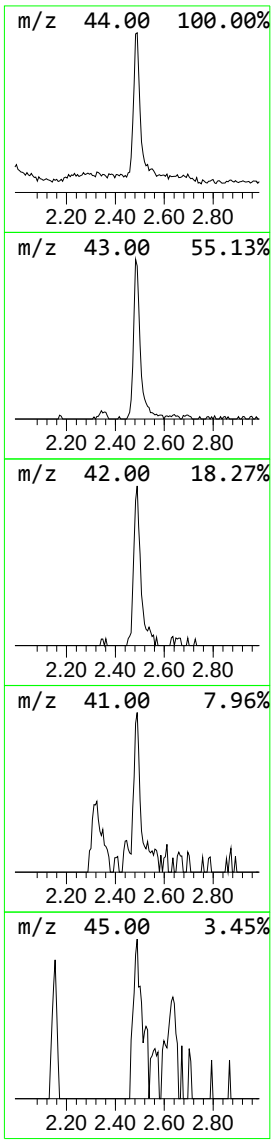
****

Peak Number 1 Acetaldehyde Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.489	1.96 ug/L	23774	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	83
2	Acetaldehyde	44	C2H4O	000075-07-0	74
3	Ethylene oxide	44	C2H4O	000075-21-8	5
4	Ethylene oxide	44	C2H4O	000075-21-8	5
5	Ethylene oxide	44	C2H4O	000075-21-8	5





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

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

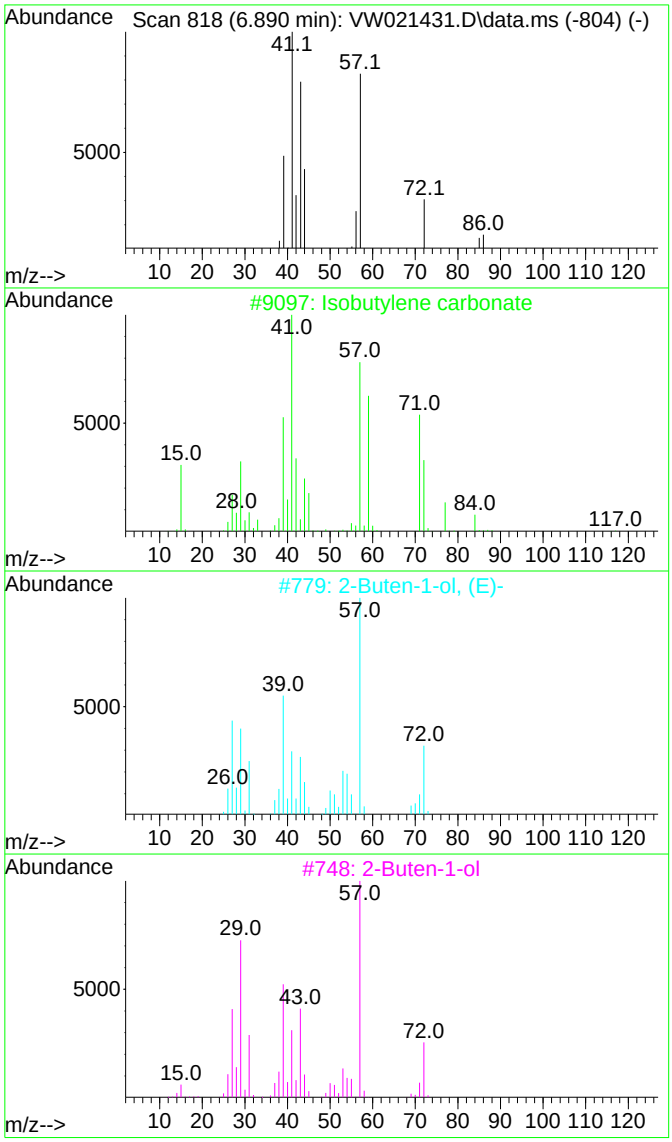
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

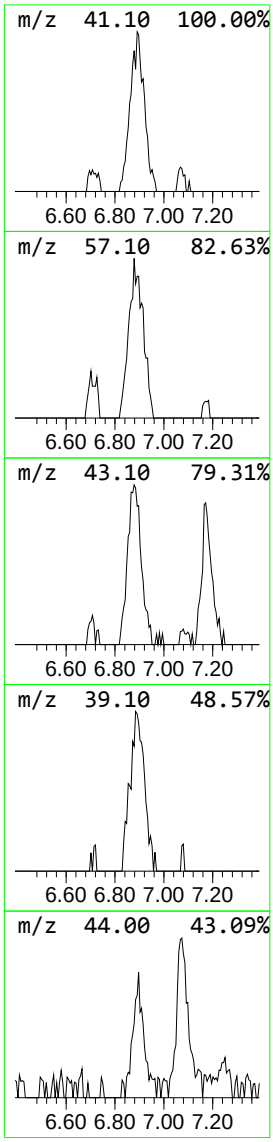
****

Peak Number 2 unknown-01 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.890	1.48 ug/L	17977	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutylene carbonate	116	C5H8O3	035466-83-2	33
2	2-Buten-1-ol, (E)-	72	C4H8O	000504-61-0	32
3	2-Buten-1-ol	72	C4H8O	006117-91-5	25
4	2-Propen-1-ol, 2-methyl-	72	C4H8O	000513-42-8	25
5	n-Hexane	86	C6H14	000110-54-3	12





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

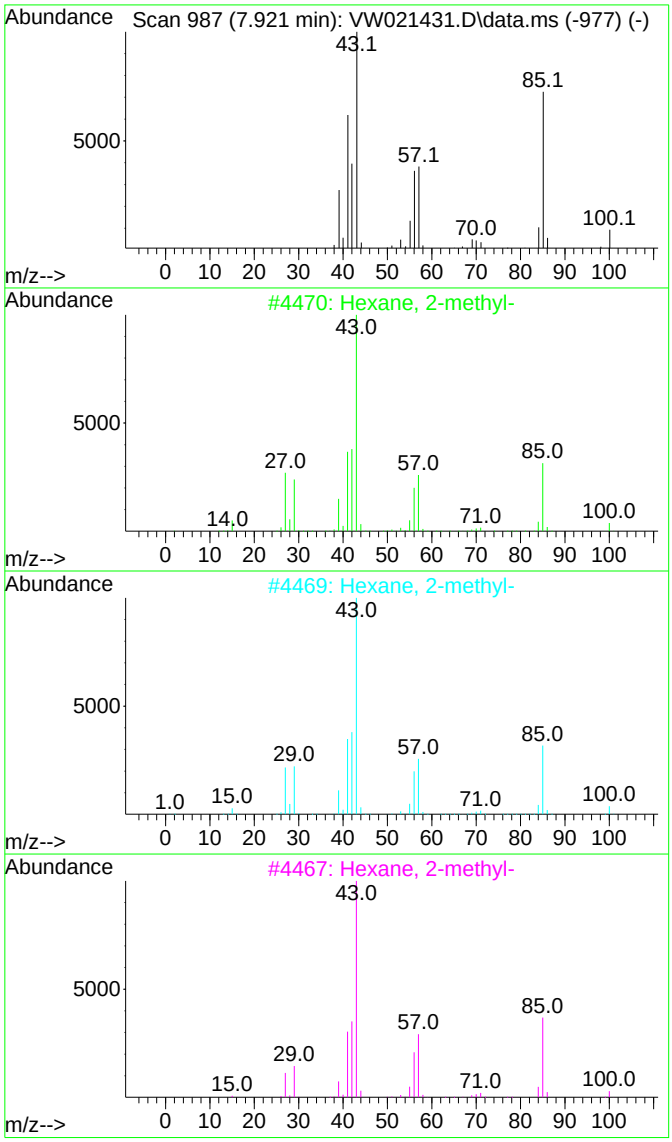
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

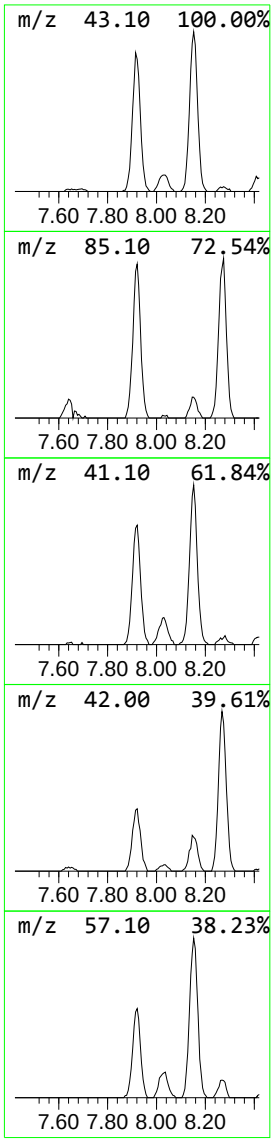
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.921	5.44 ug/L	66064	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2-methyl-	100	C7H16	000591-76-4	91
2	Hexane, 2-methyl-	100	C7H16	000591-76-4	91
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	91
4	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	50
5	2-Pyrrolidinone	85	C4H7NO	000616-45-5	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

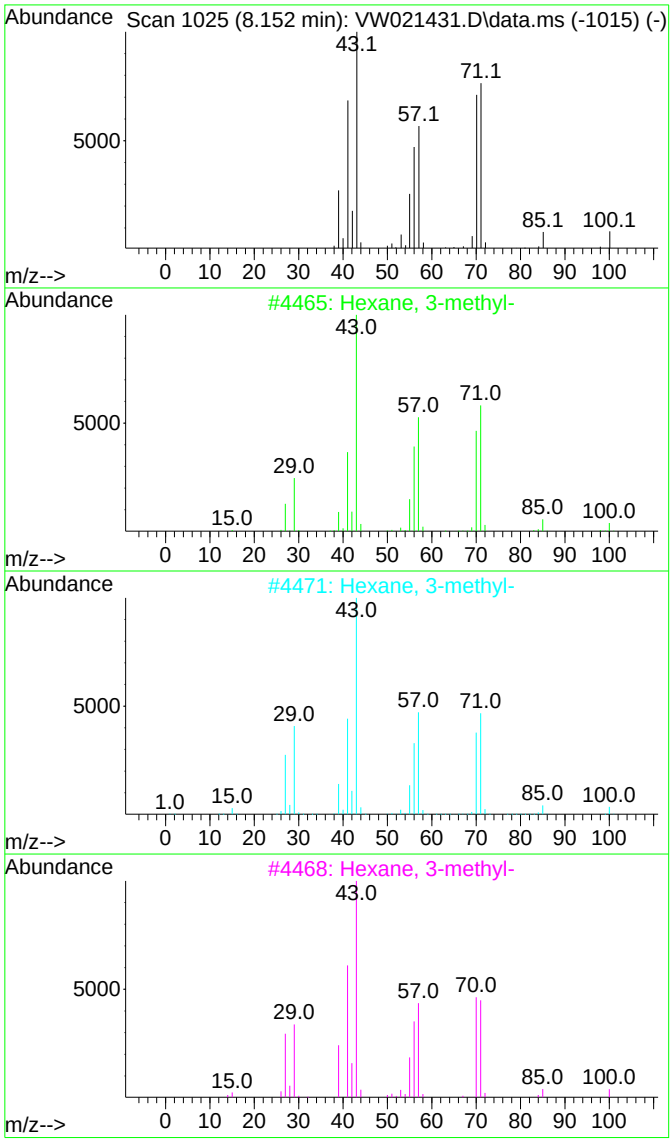
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

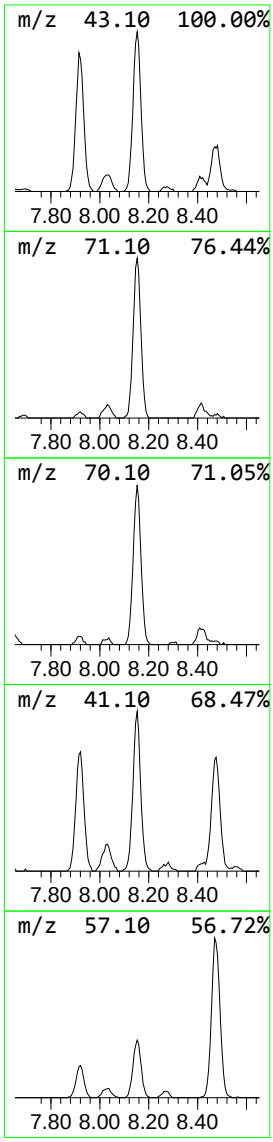
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.152	7.86 ug/L	95449	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	90
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	72
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	70
4	Heptane	100	C7H16	000142-82-5	64
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

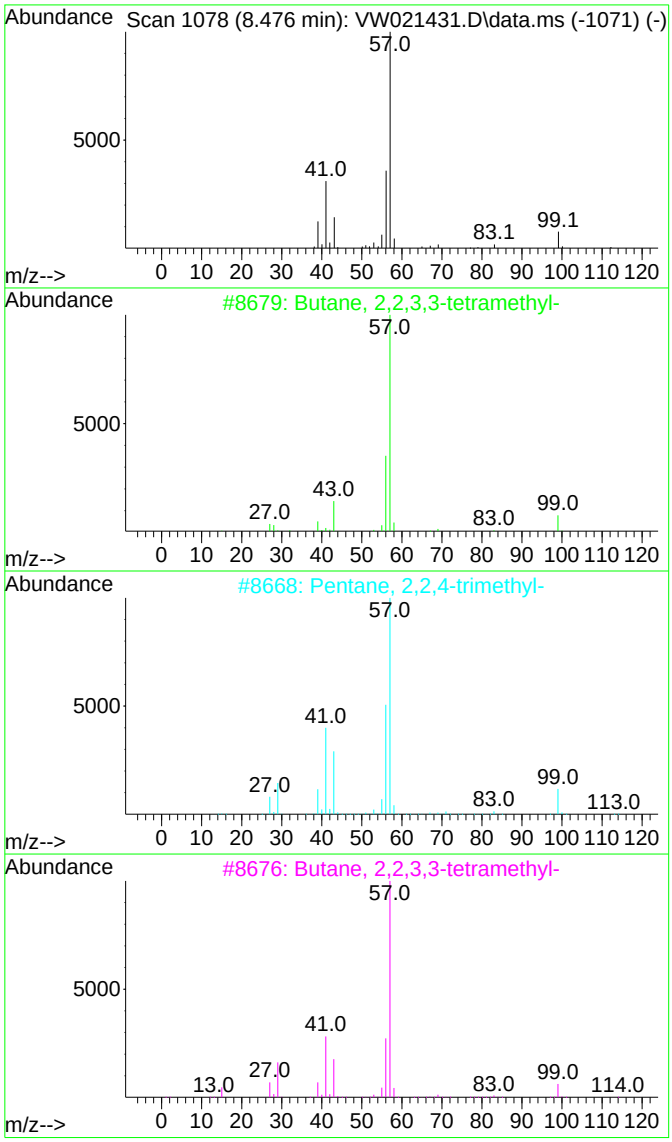
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

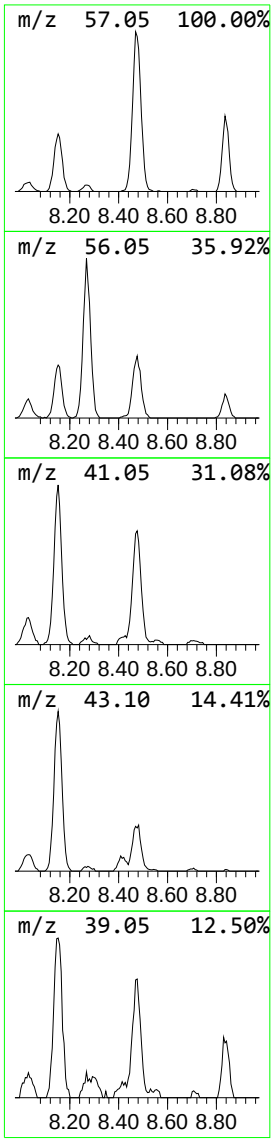
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.476	5.61 ug/L	68070	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
4	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64
5	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

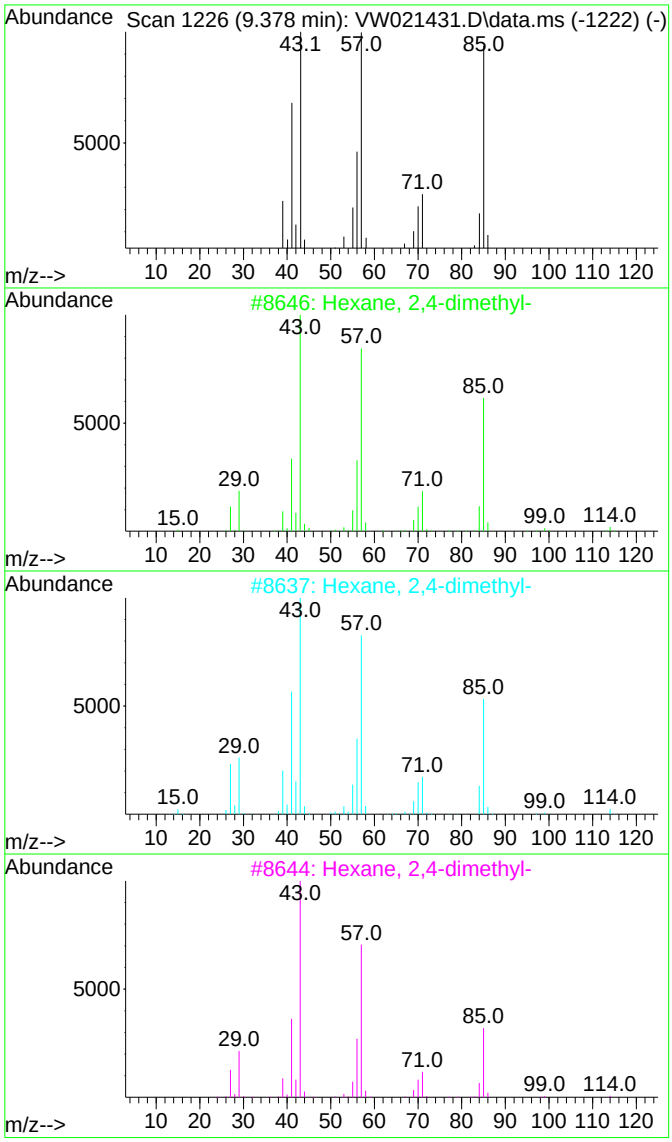
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

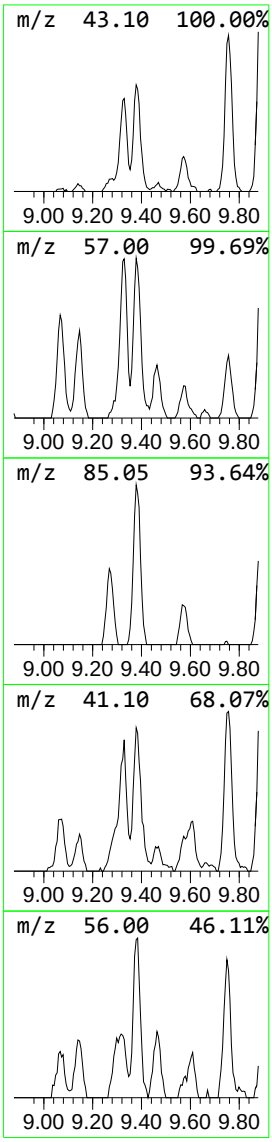
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.378	3.21 ug/L	38968	1,4-Difluorobenzene	8.841

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

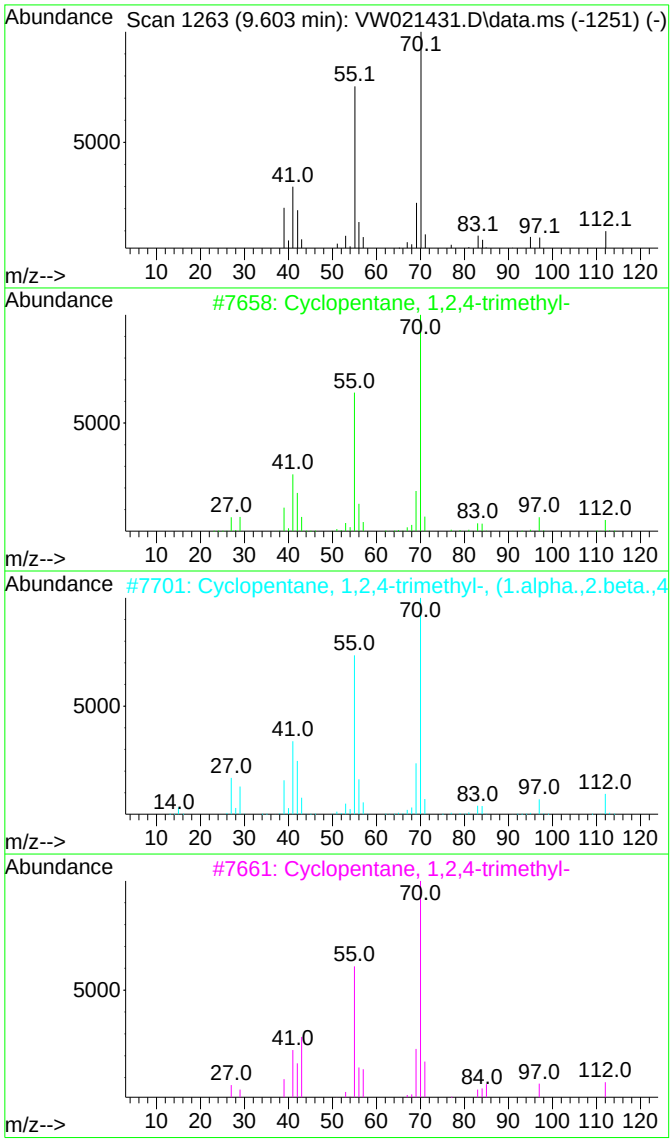
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

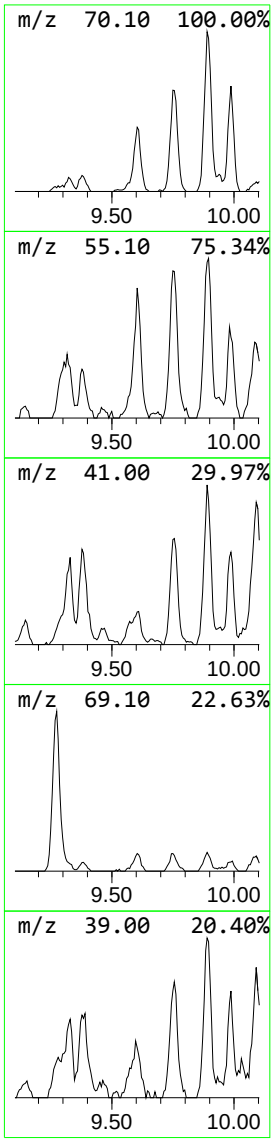
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic9.603 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.603	2.39 ug/L	29063	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	90
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
4	Heptane, 3-methylene-	112	C8H16	001632-16-2	86
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

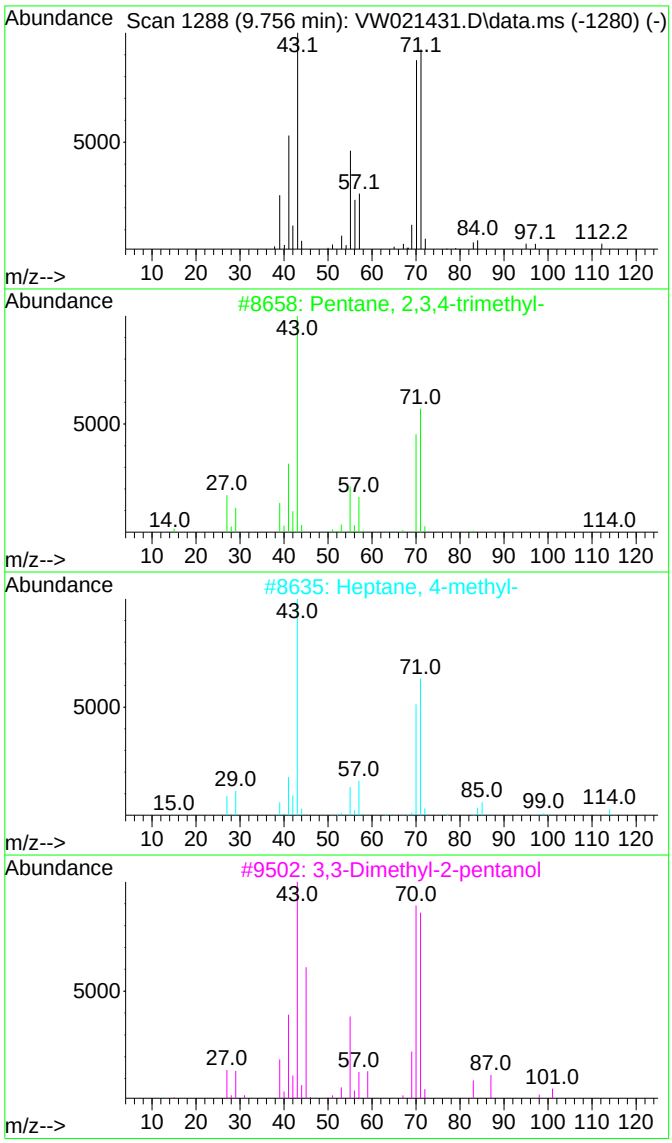
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

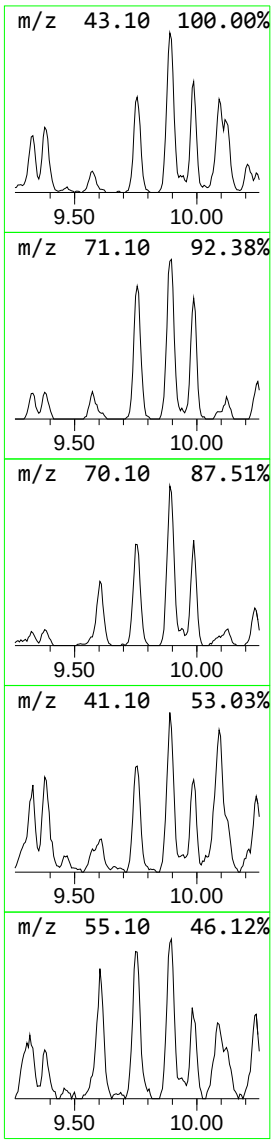
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.756	4.59 ug/L	55745	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
3	3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	59
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

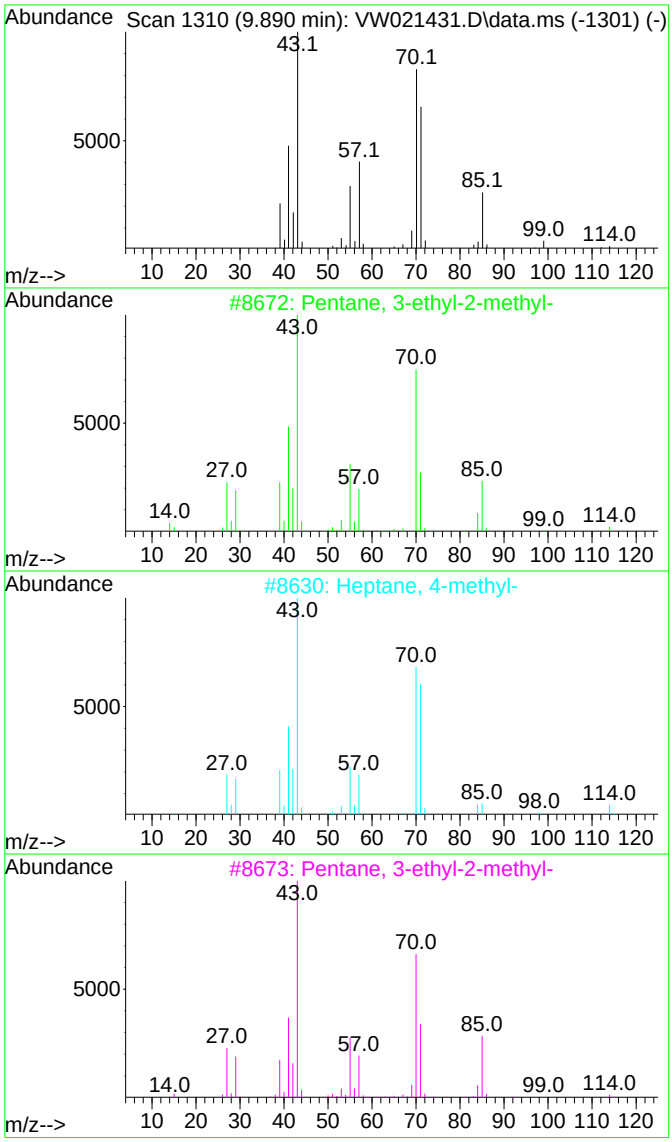
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

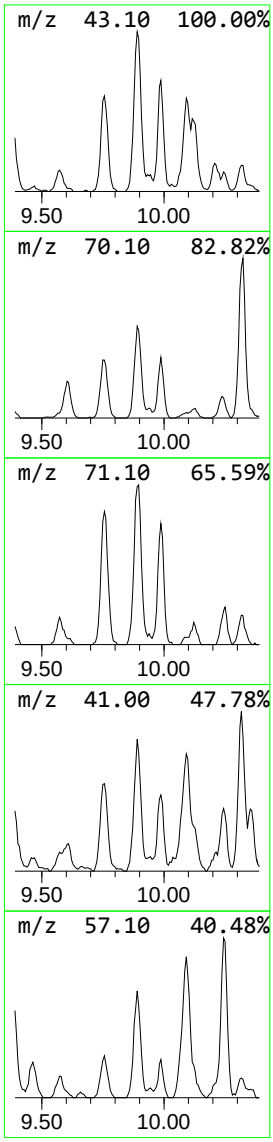
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.890	6.74 ug/L	81760	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	81
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	80
3	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	74
4	Diisoamyl ether	158	C10H22O	000544-01-4	64
5	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

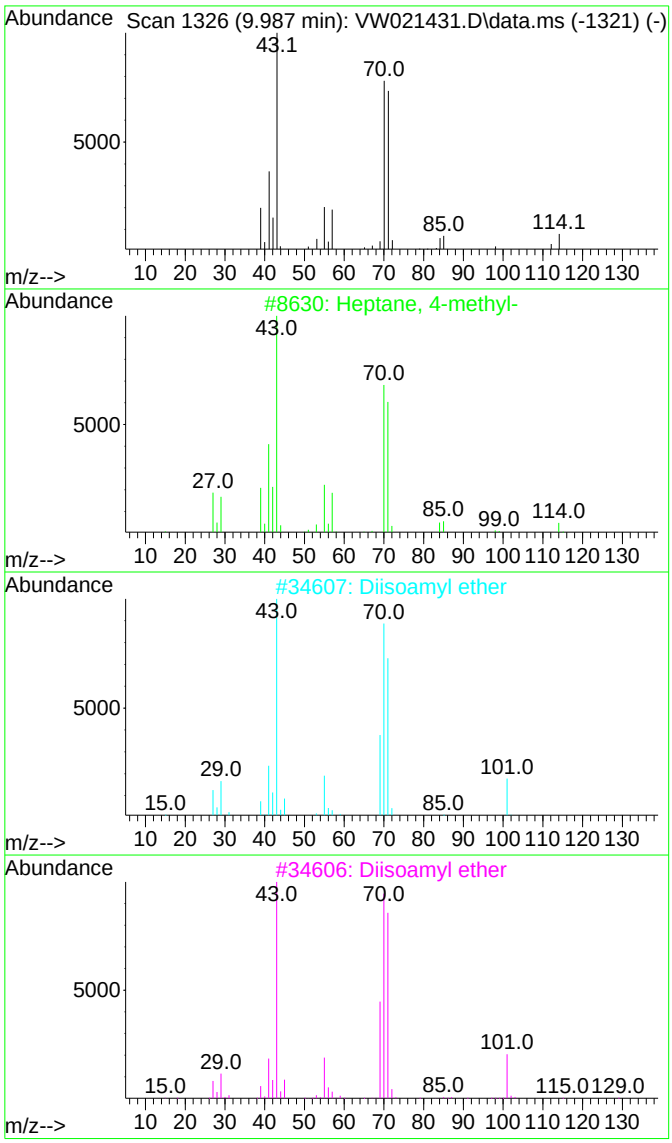
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

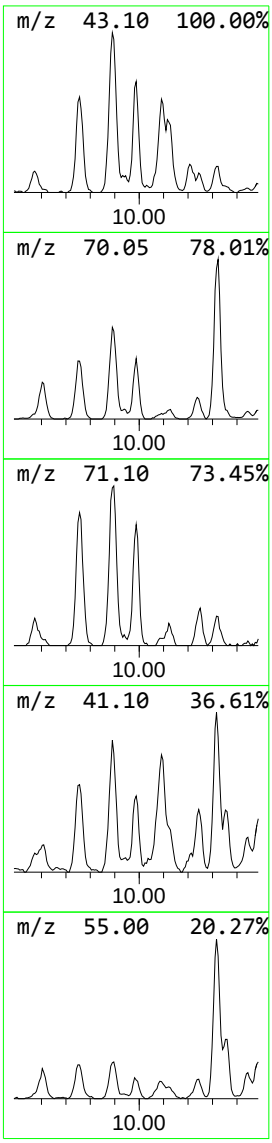
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.987	2.88 ug/L	34923	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-methyl-	114	C8H18	000589-53-7	91
2	Diisoamyl ether	158	C10H22O	000544-01-4	78
3	Diisoamyl ether	158	C10H22O	000544-01-4	78
4	Diisoamyl ether	158	C10H22O	000544-01-4	78
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

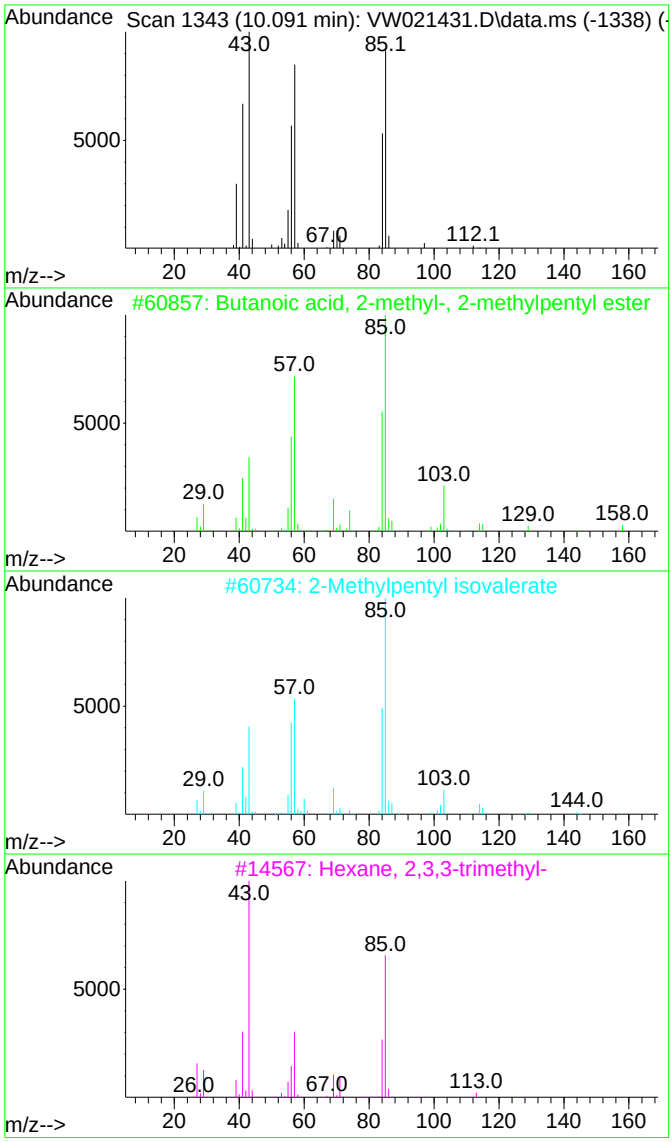
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

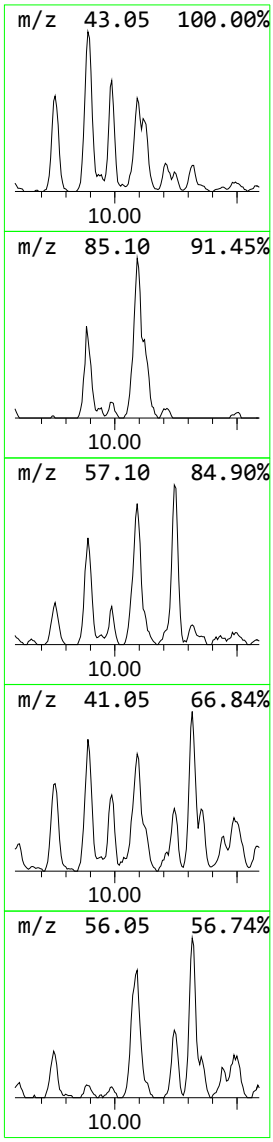
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Butanoic acid, 2-methyl-, 2... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.091	6.87 ug/L	83368	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-methyl-, 2-meth...	186	C11H22O2	083783-88-4	72
2	2-Methylpentyl isovalerate	186	C11H22O2	1000236-38-7	72
3	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	72
4	Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	64
5	Hexane, 2-methyl-	100	C7H16	000591-76-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

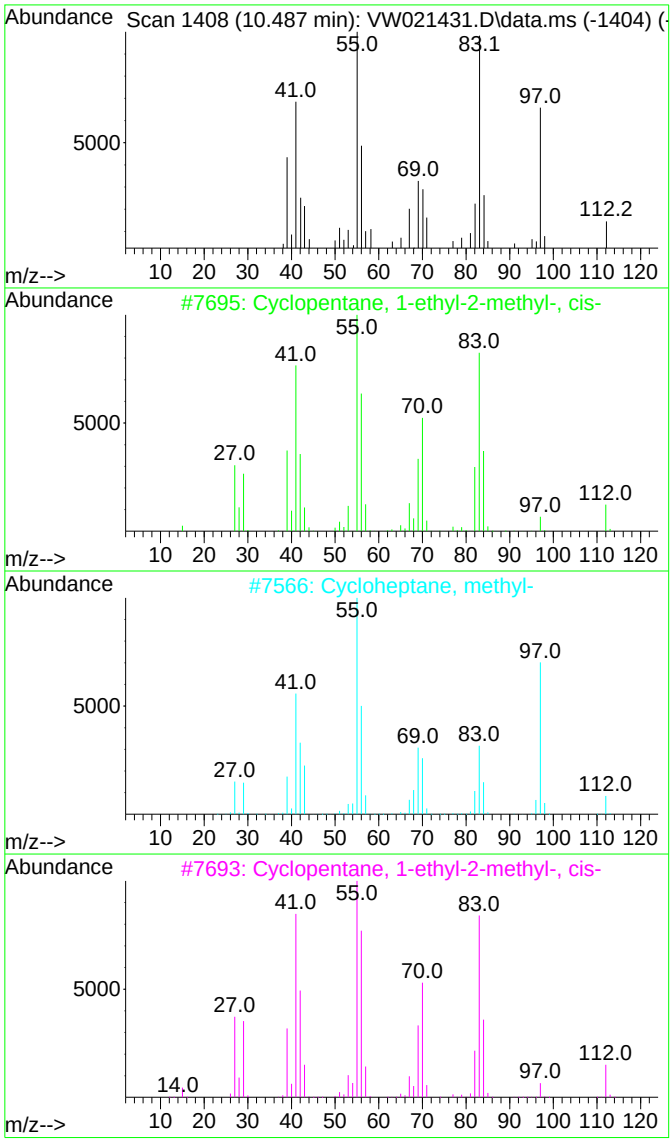
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

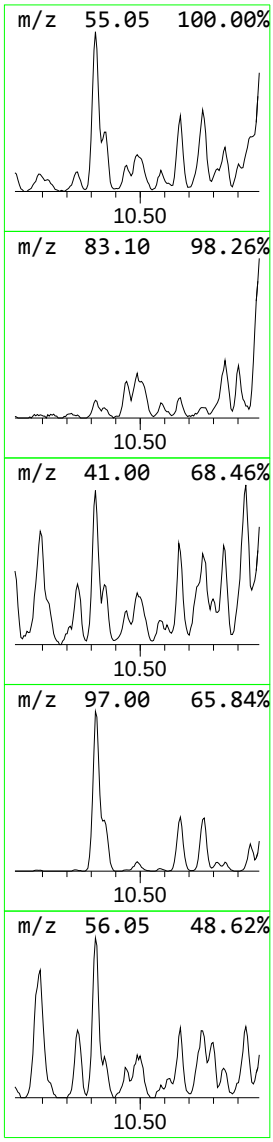
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Cyclic10.487 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.487	2.43 ug/L	42624	Chlorobenzene-d5	11.627

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	58
2	Cycloheptane, methyl-	112	C8H16	004126-78-7	49
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	49
4	Sulfurous acid, cyclohexylmethyl...	206	C9H18O3S	1000309-21-2	43
5	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

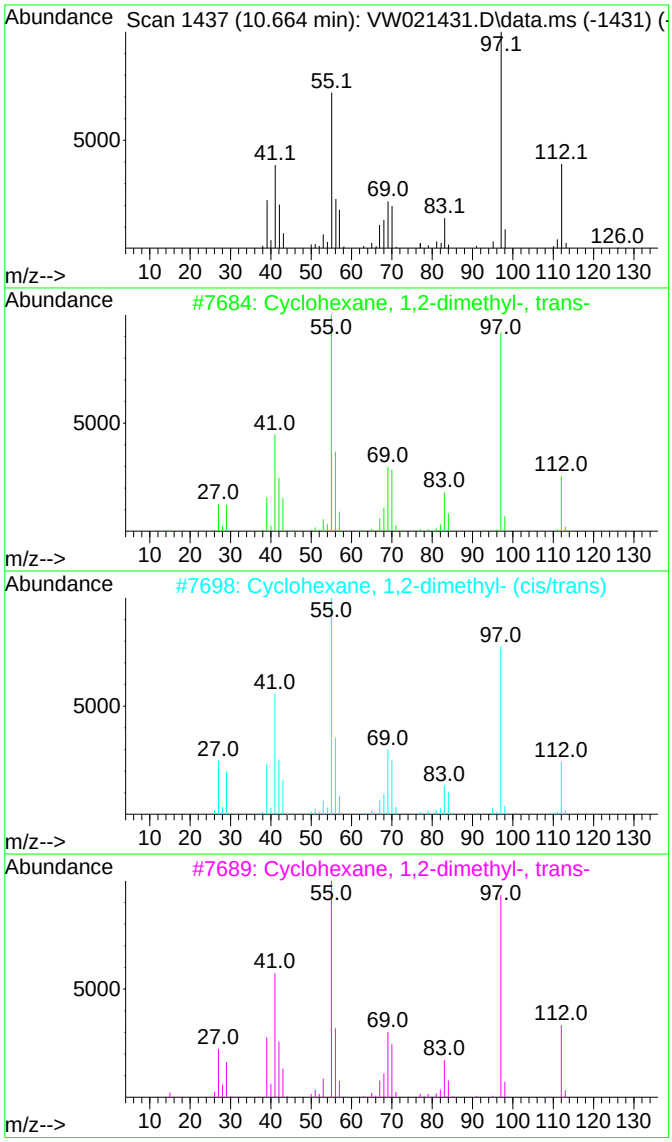
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

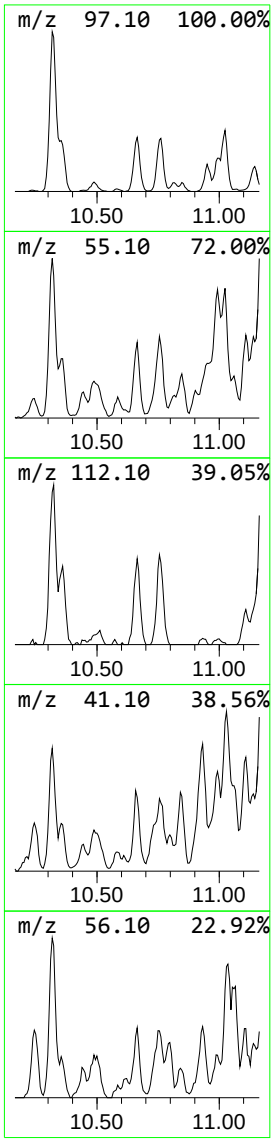
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Cyclic10.664 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.664	2.98 ug/L	52268	Chlorobenzene-d5	11.627

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90
5	2-Pyrazoline, 1,3,4-trimethyl-	112	C6H12N2	014044-41-8	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

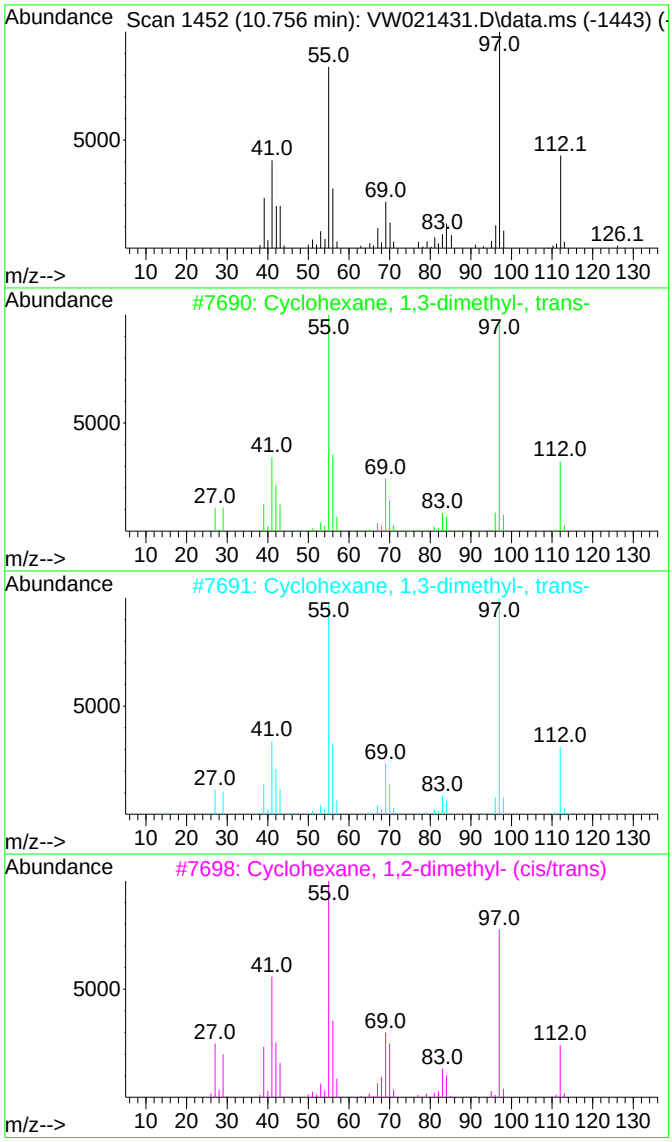
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

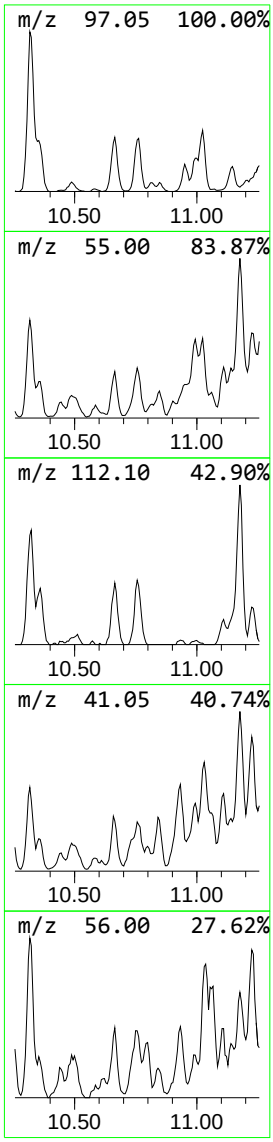
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Cyclic10.756 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.756	4.12 ug/L	72205	Chlorobenzene-d5	11.627

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

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

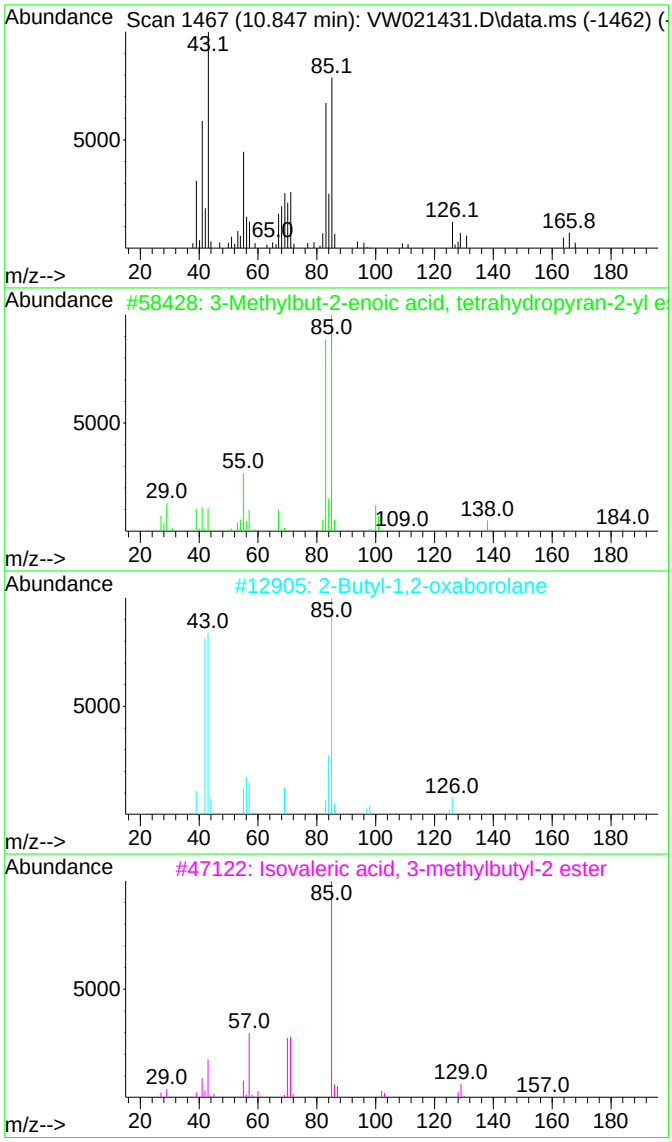
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

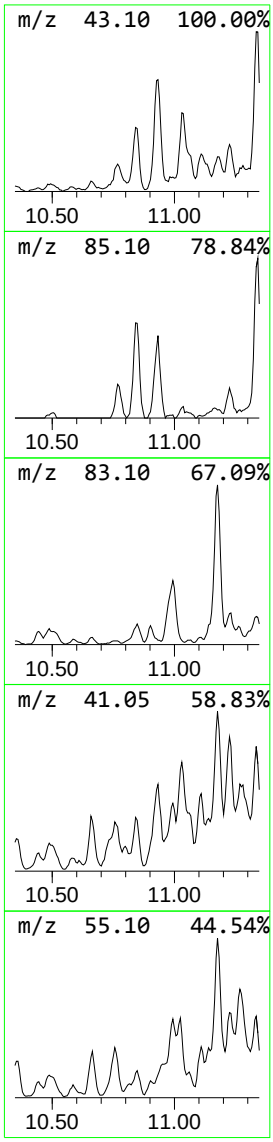
****

Peak Number 16 unknown-02 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.847	2.98 ug/L	52184	Chlorobenzene-d5	11.627

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylbut-2-enoic acid, tetrah...	184	C10H16O3	1000187-32-6	43
2	2-Butyl-1,2-oxaborolane	126	C7H15BO	005357-13-1	43
3	Isovaleric acid, 3-methylbutyl-2...	172	C10H20O2	1000360-64-9	38
4	2-Propen-1-amine, N-ethyl-	85	C5H11N	002424-02-4	38
5	Succinic acid, 3-methylbut-2-en-...	268	C15H24O4	1000391-29-9	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

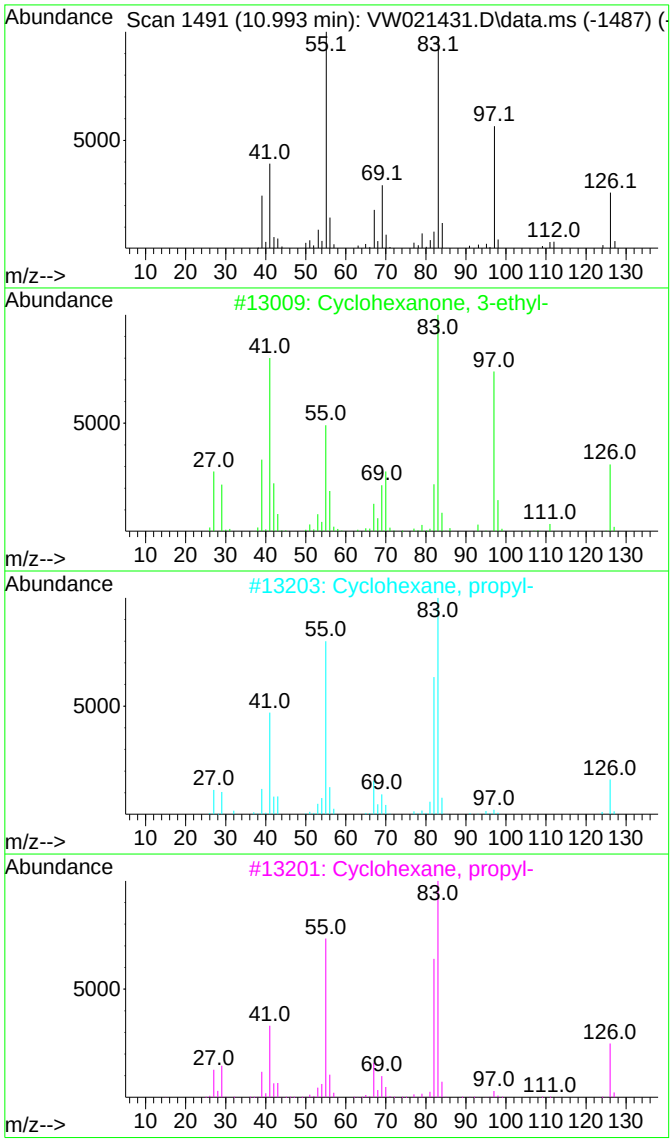
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

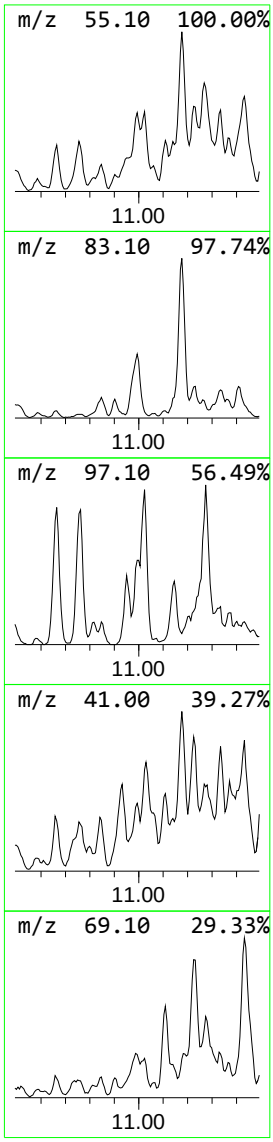
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclohexanone, 3-ethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.993	1.95 ug/L	34122	Chlorobenzene-d5	11.627

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3-ethyl-	126	C8H14O	022461-89-8	80
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	74
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	68
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

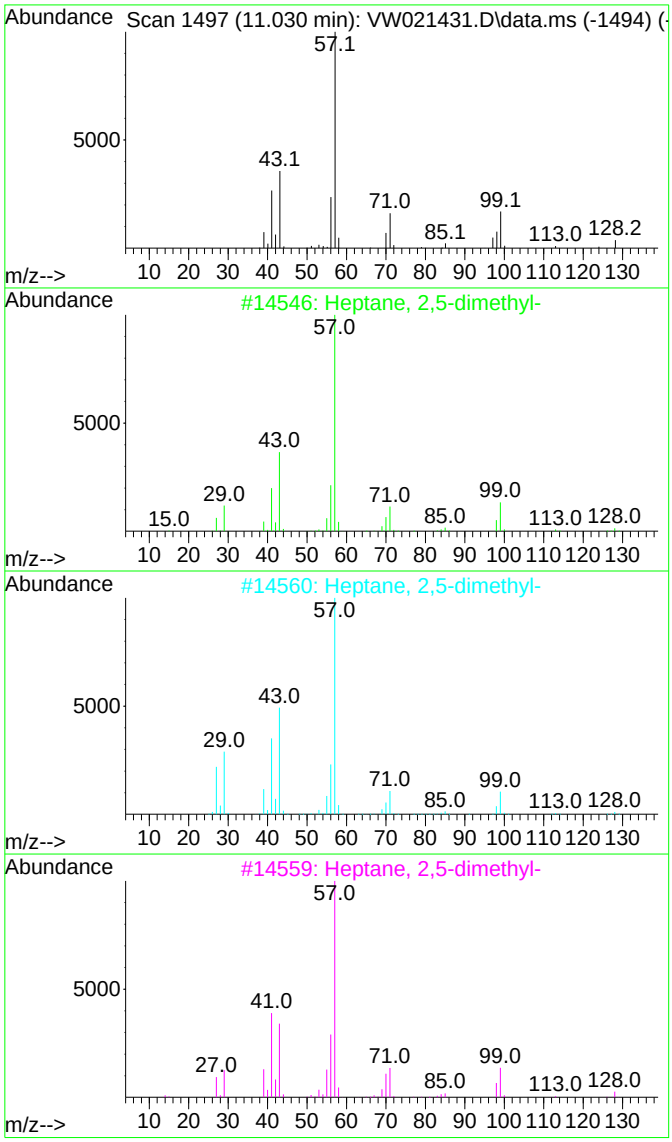
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

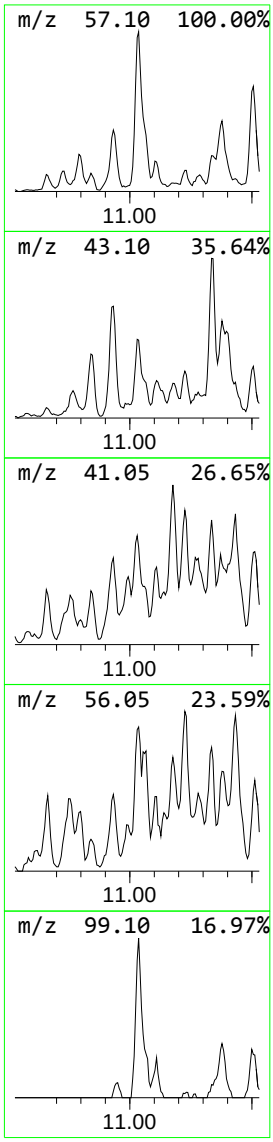
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.030	2.38 ug/L	41642	Chlorobenzene-d5	11.627

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	83
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	80
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
4	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	64
5	Octane, 3-methyl-	128	C9H20	002216-33-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

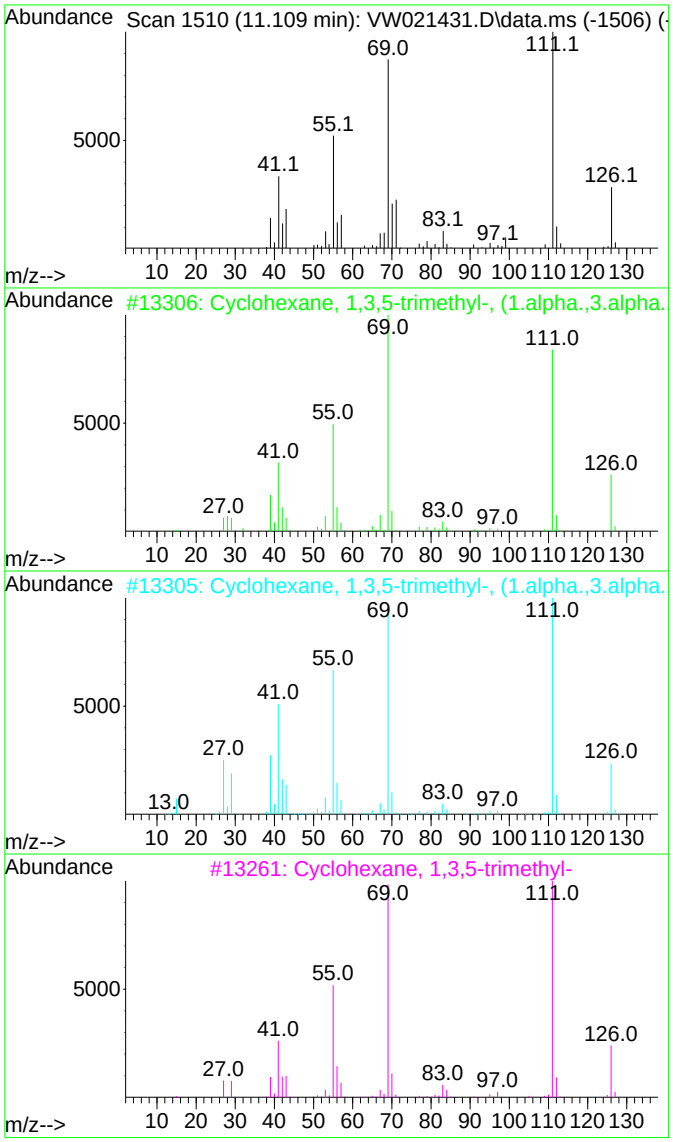
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

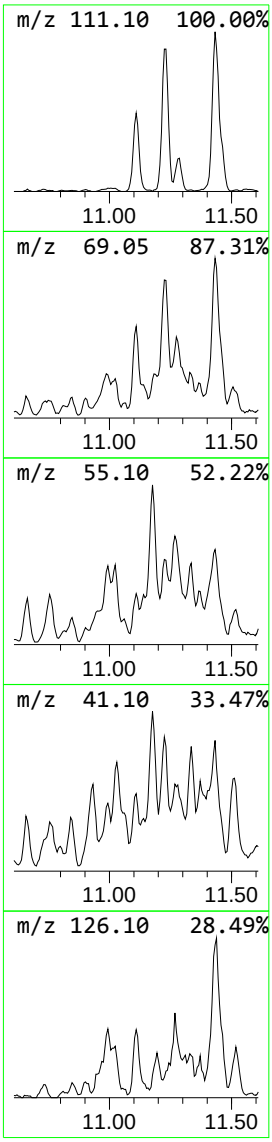
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Cyclic11.109 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.109	3.78 ug/L	66252	Chlorobenzene-d5	11.627

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	94
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	81
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	81
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	81
5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

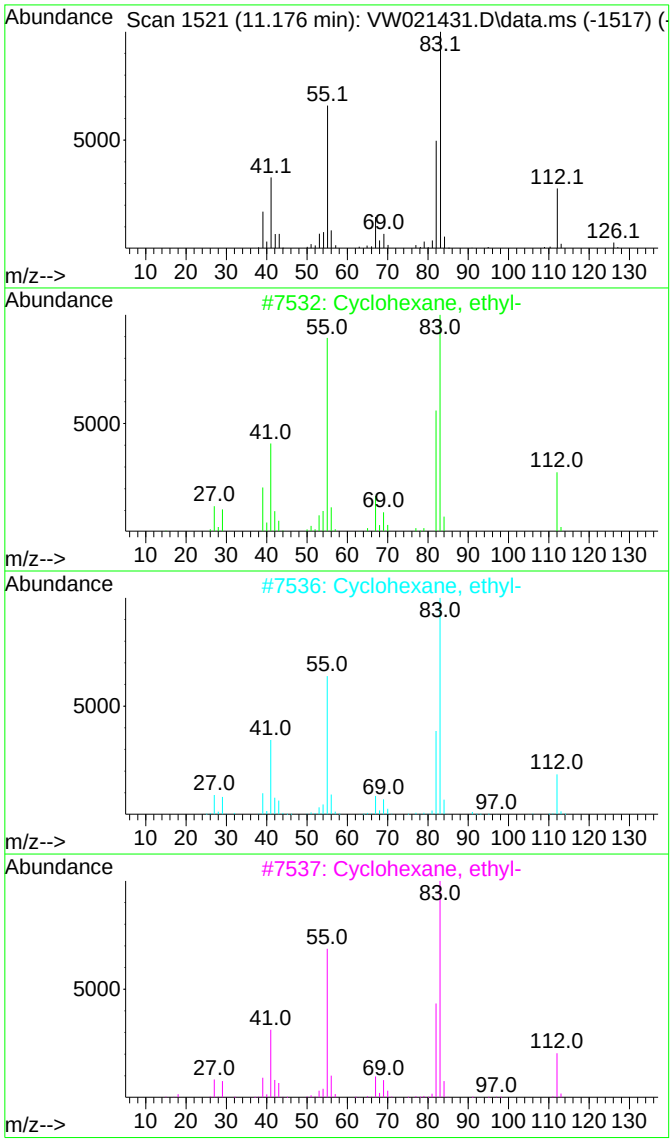
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

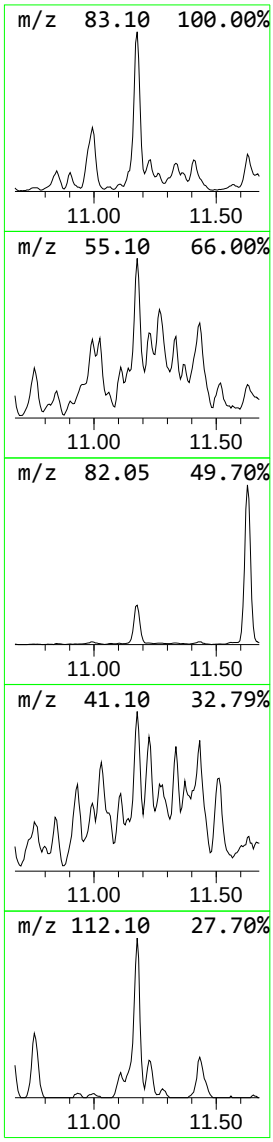
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic11.176 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.176	6.00 ug/L	105149	Chlorobenzene-d5	11.627

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	95
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	83
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

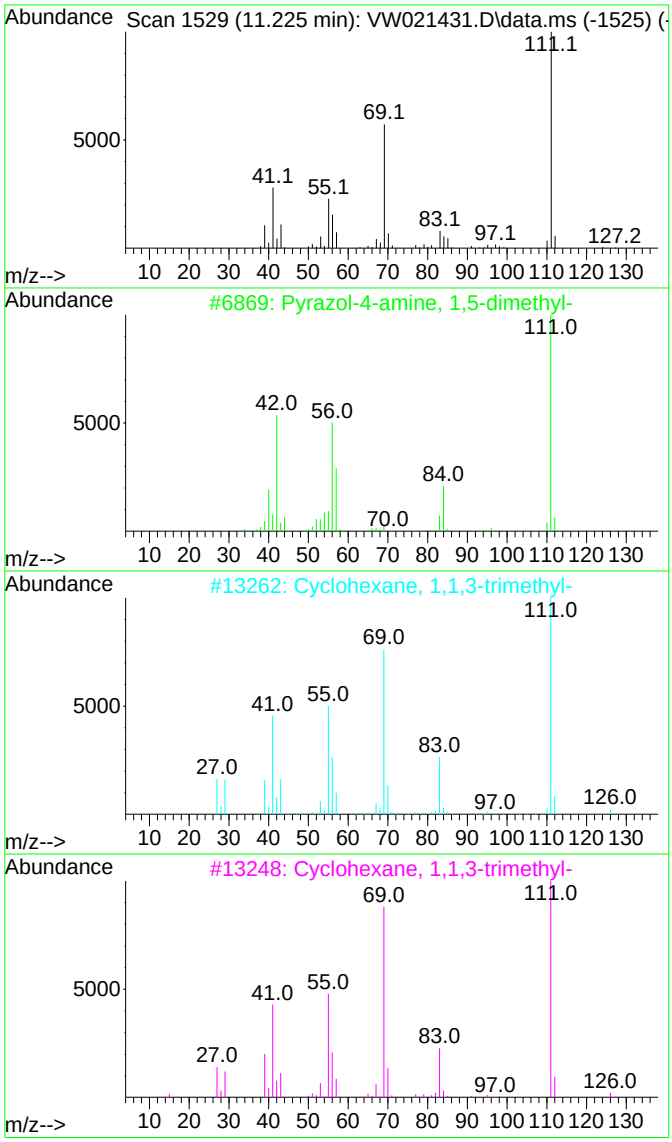
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

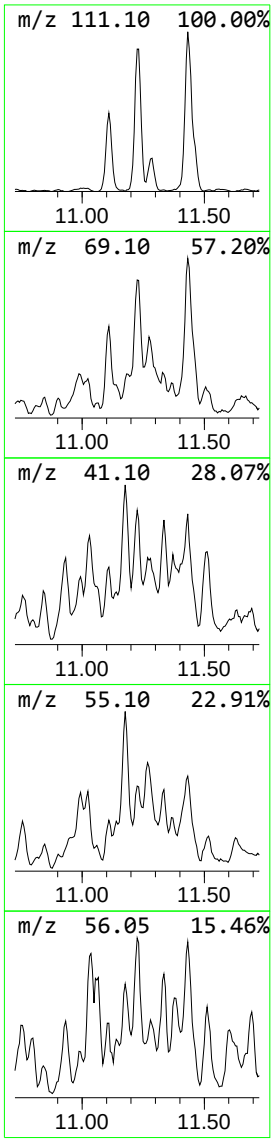
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Pyrazol-4-amine, 1,5-dimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.225	4.82 ug/L	84504	Chlorobenzene-d5	11.627

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrazol-4-amine, 1,5-dimethyl-	111	C5H9N3	121983-36-6	64
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	56
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	50
4	Cyclooctane, butyl-	168	C12H24	016538-93-5	50
5	2,4-Dihydroxypyridine	111	C5H5NO2	000626-03-9	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

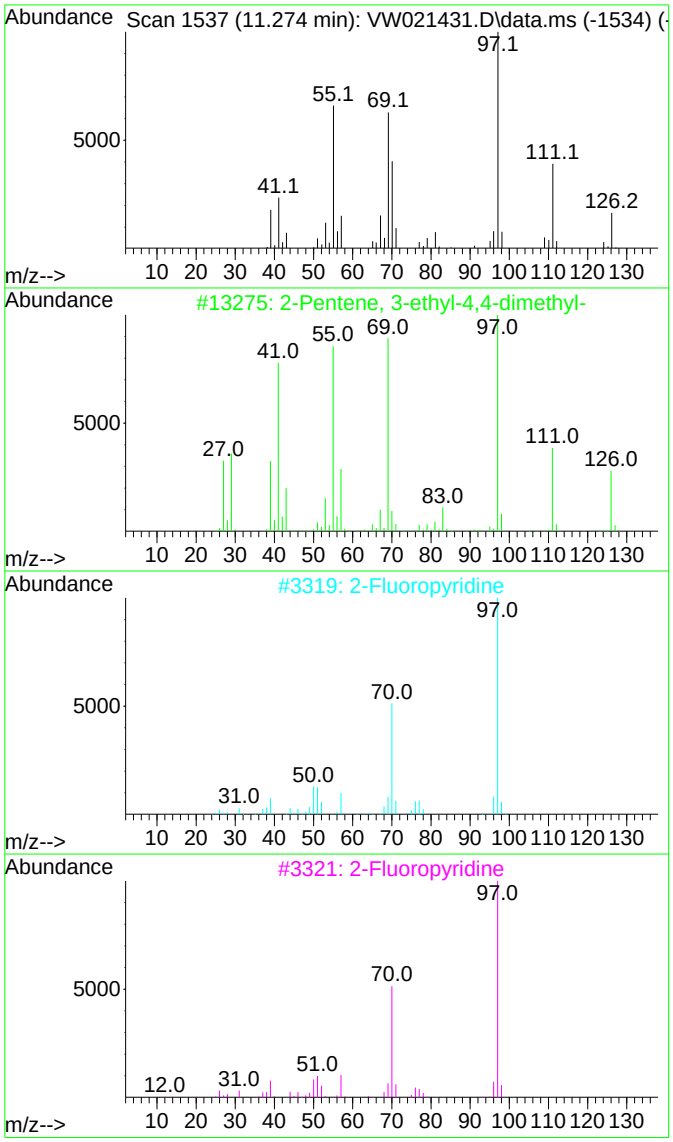
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

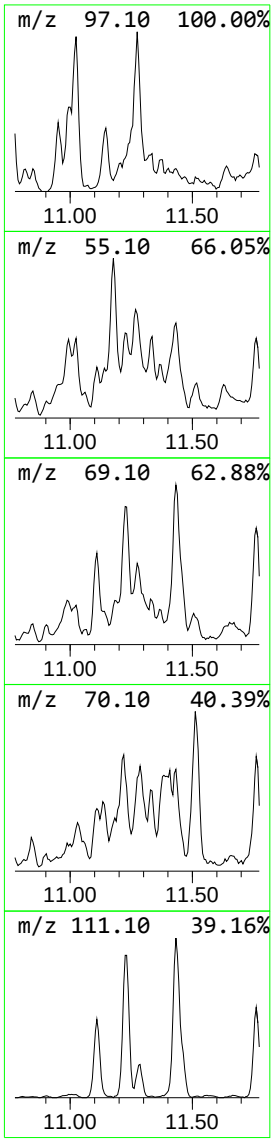
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.274	2.95 ug/L	51640	Chlorobenzene-d5	11.627

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	58
2	2-Fluoropyridine	97	C5H4FN	000372-48-5	50
3	2-Fluoropyridine	97	C5H4FN	000372-48-5	50
4	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	43
5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

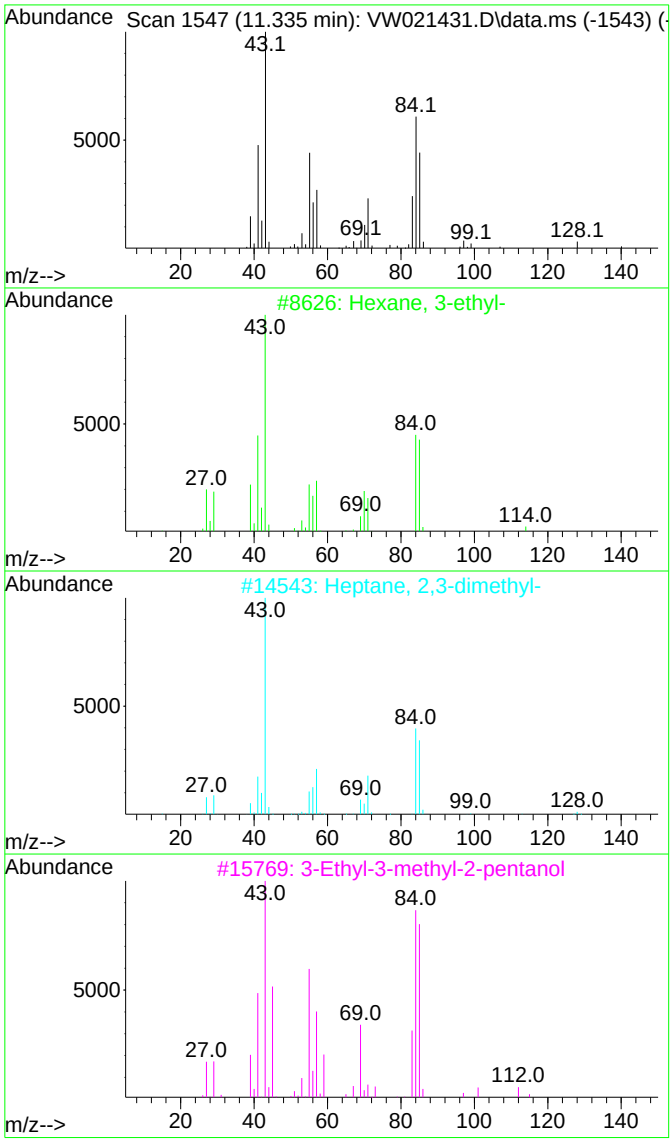
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

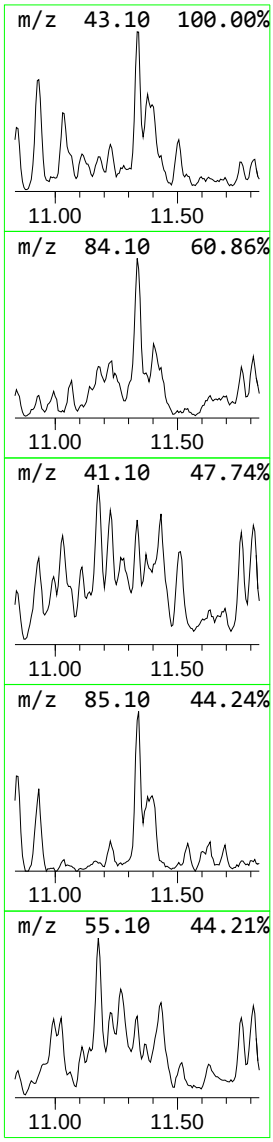
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.335	2.97 ug/L	52093	Chlorobenzene-d5	11.627

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-	114	C8H18	000619-99-8	64
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	62
3	3-Ethyl-3-methyl-2-pentanol	130	C8H18O	066576-22-5	53
4	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	52
5	1-Octene, 4-methyl-	126	C9H18	013151-12-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

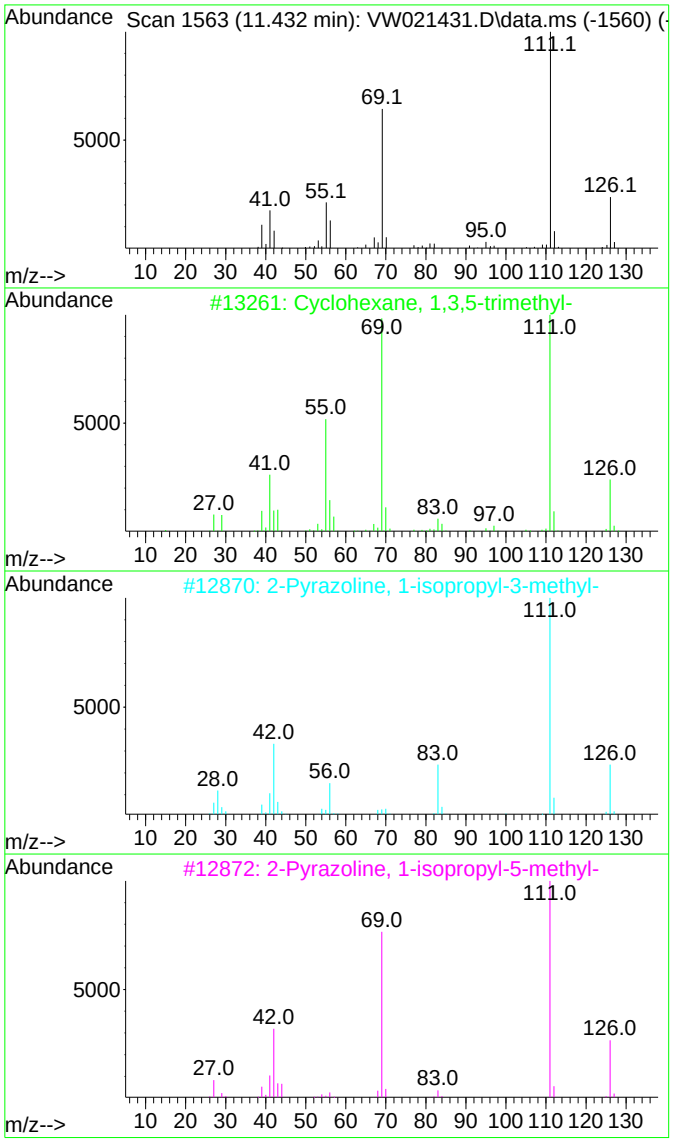
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

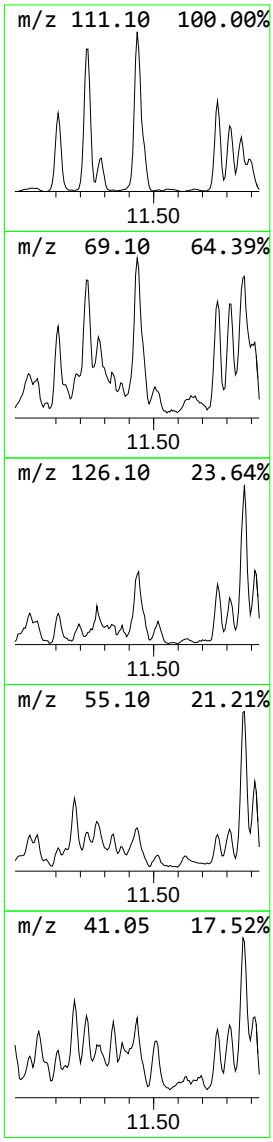
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Cyclic11.432 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.432	9.05 ug/L	158633	Chlorobenzene-d5	11.627

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	86
2	2-Pyrazoline, 1-isopropyl-3-methyl-	126	C7H14N2	022581-48-2	86
3	2-Pyrazoline, 1-isopropyl-5-methyl-	126	C7H14N2	026964-54-5	80
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	78
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

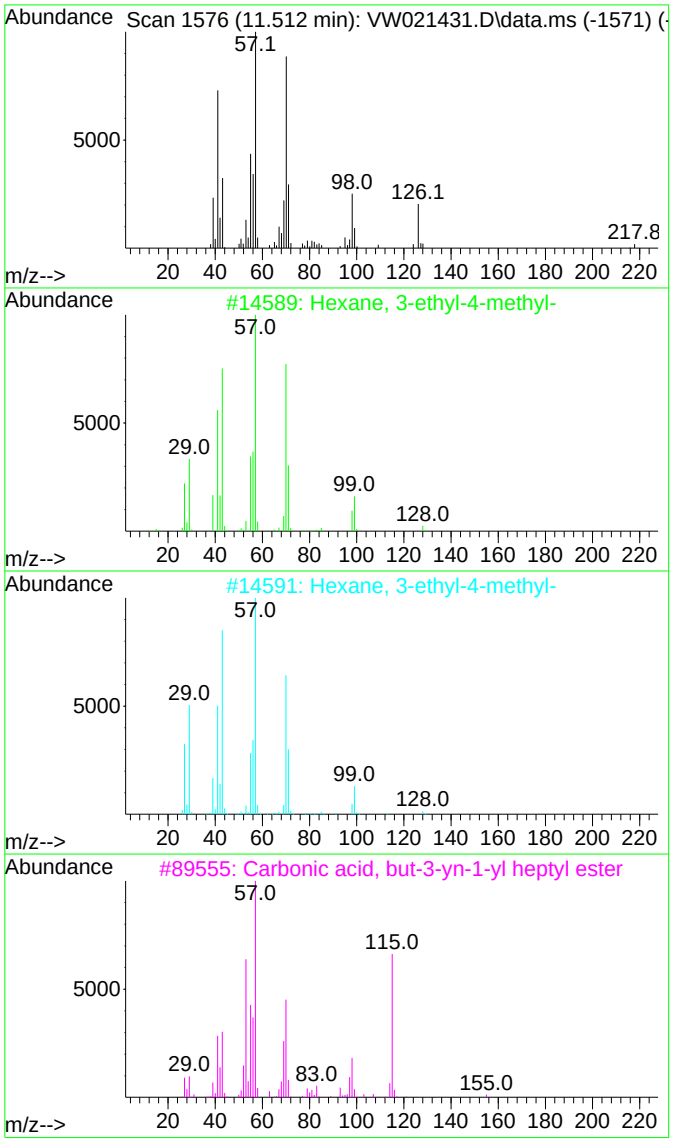
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

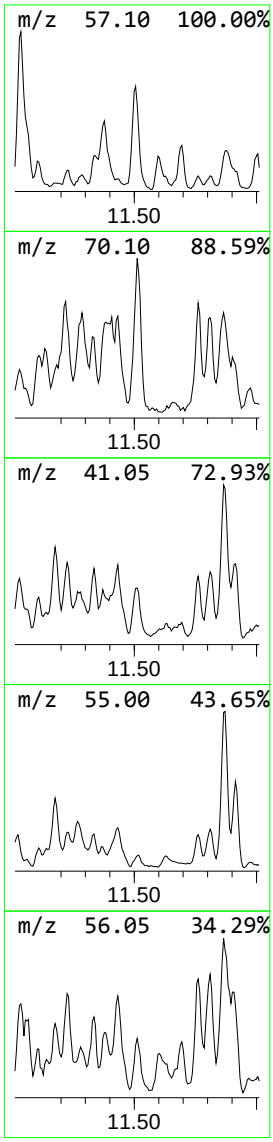
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	4.37 ug/L	76529	Chlorobenzene-d5	11.627

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	62
2	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	58
3	Carbonic acid, but-3-yn-1-yl hep...	212	C12H20O3	1010383-17-4	53
4	1-Hexene, 3,5,5-trimethyl-	126	C9H18	004316-65-8	50
5	Bicyclo[2.2.2]octan-1-ol	126	C8H14O	020534-58-1	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

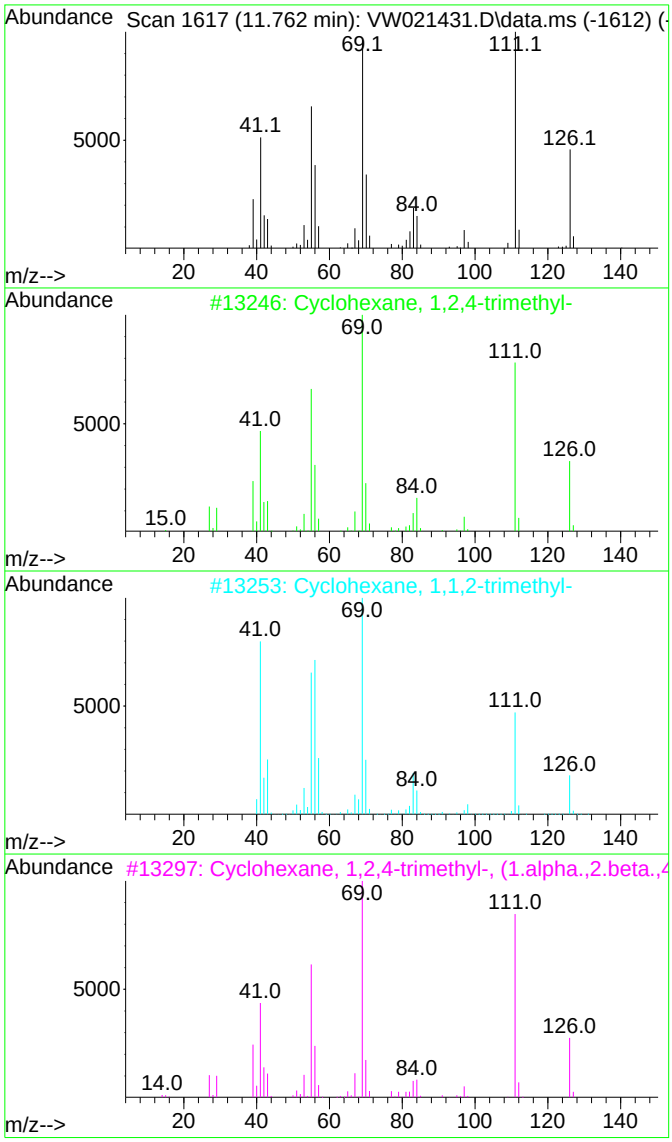
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

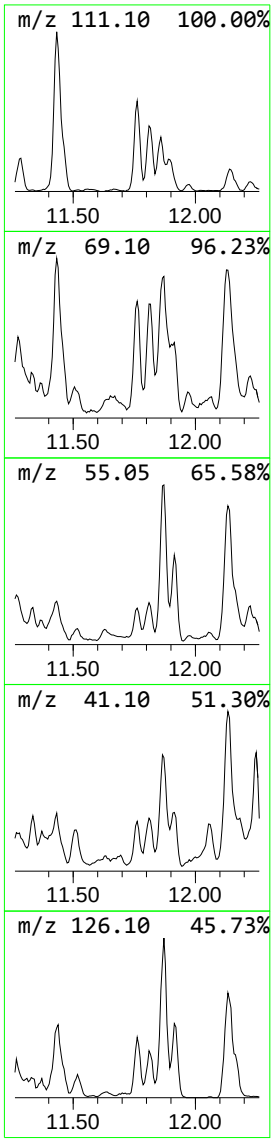
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Cyclic11.762 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.762	5.88 ug/L	103023	Chlorobenzene-d5	11.627

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	95
2	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	91
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	91
4	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	91
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

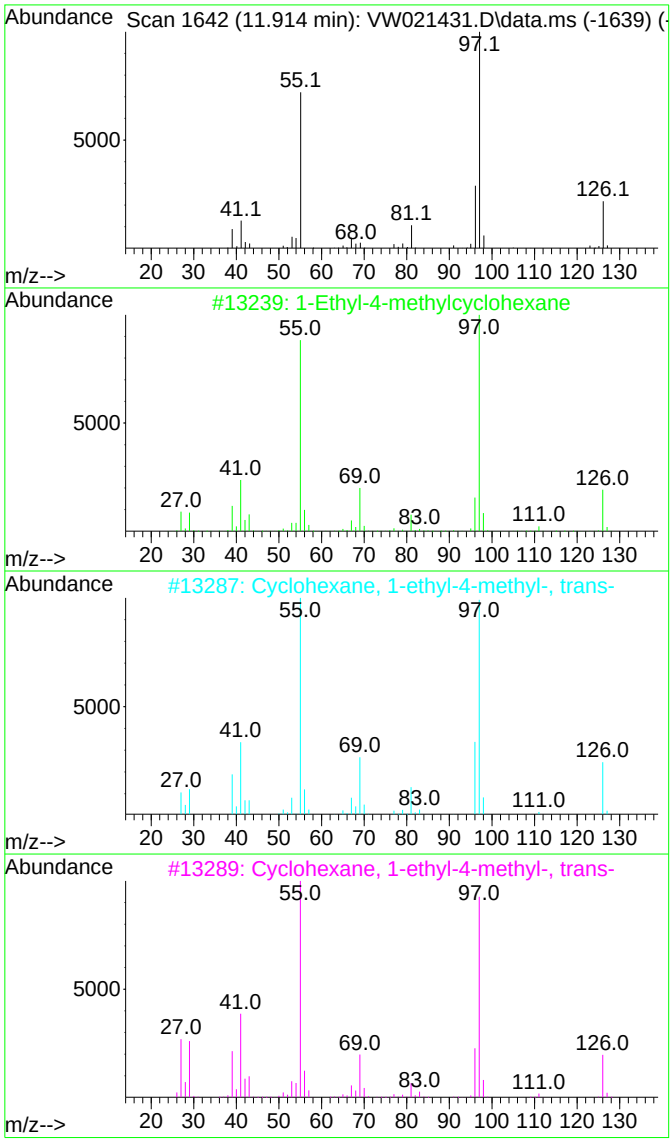
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

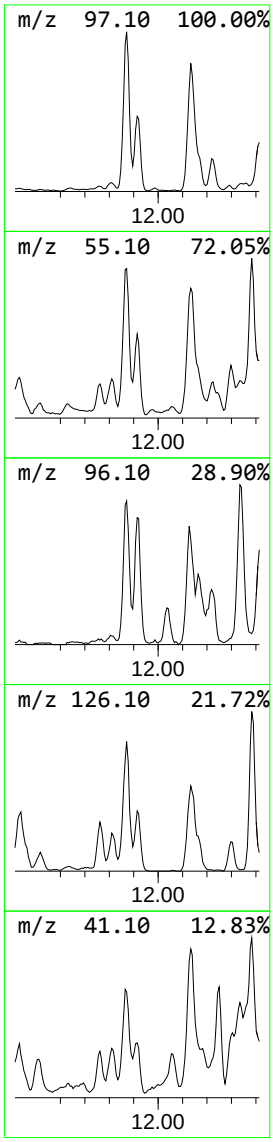
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Cyclic11.914 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.914	9.50 ug/L	166559	Chlorobenzene-d5	11.627

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	80
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	78
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64
5	4-Octen-3-one	126	C8H14O	014129-48-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

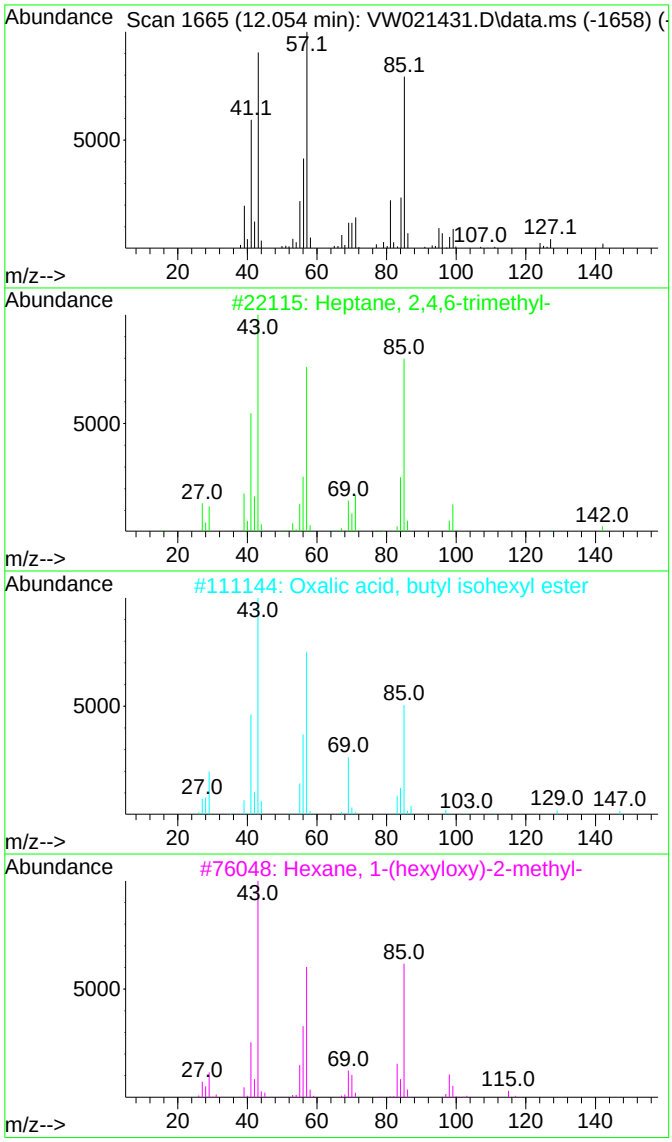
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

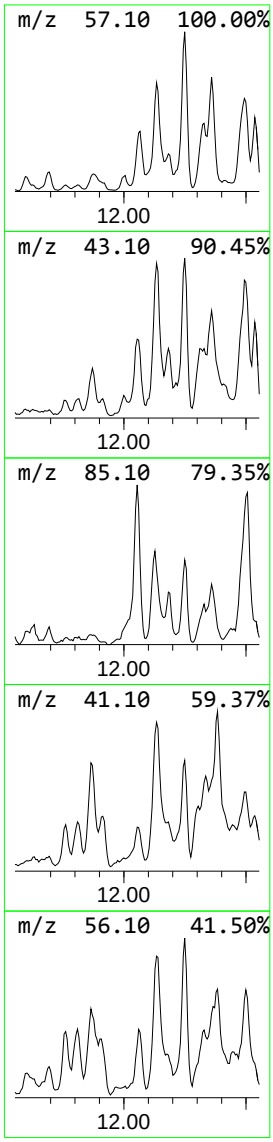
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.054	6.31 ug/L	110653	Chlorobenzene-d5	11.627

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	92
2	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64
3	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	59
4	2-Pyrrolidinone	85	C4H7NO	000616-45-5	59
5	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

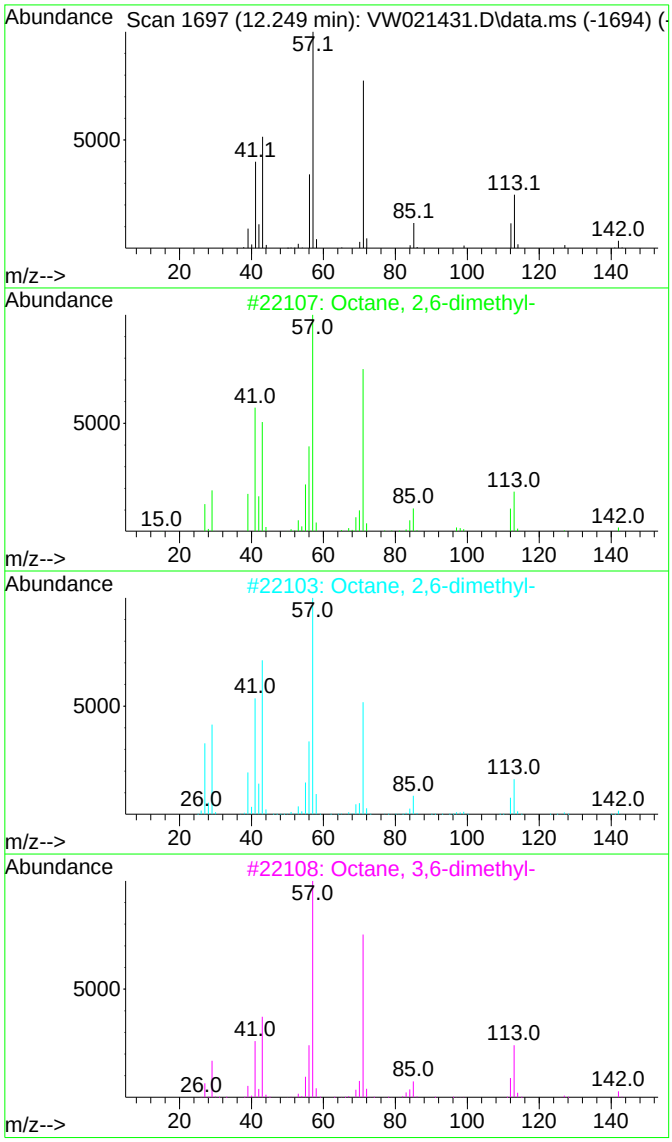
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

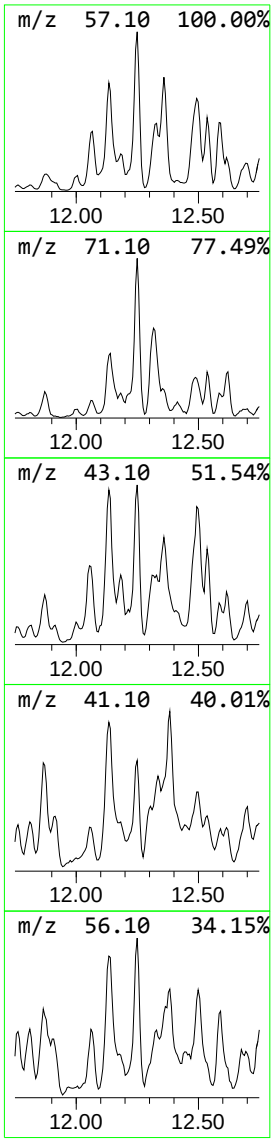
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.249	9.57 ug/L	167815	Chlorobenzene-d5	11.627

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

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

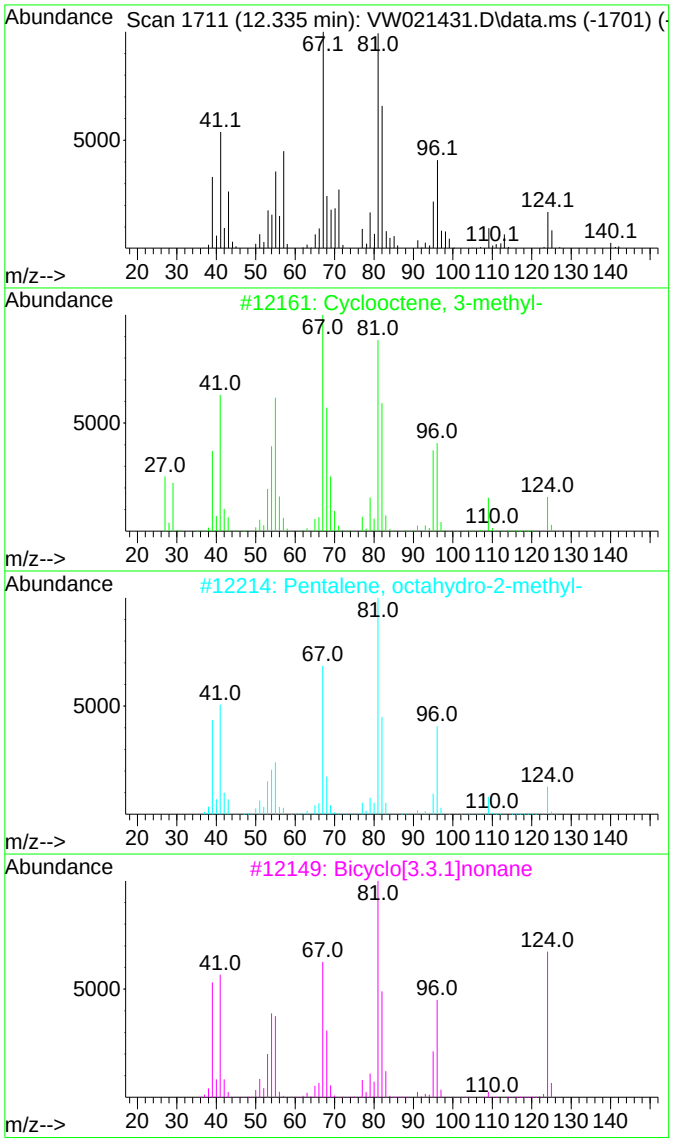
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

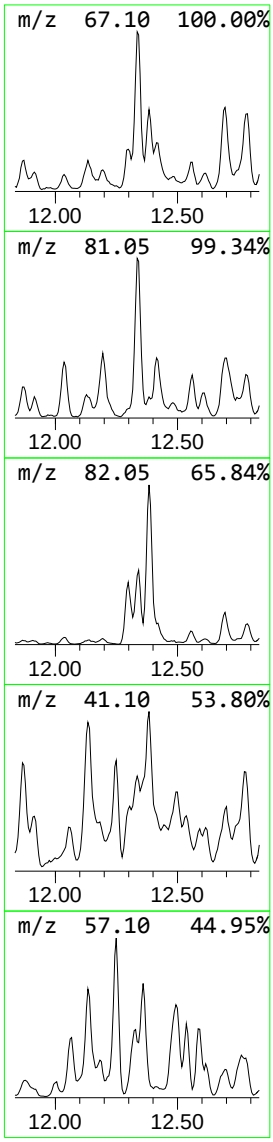
****

Peak Number 30 Cyclooctene, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.335	29.93 ug/L	524776	Chlorobenzene-d5	11.627

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	68
2	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	68
3	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	64
4	1H-Indene, octahydro-	124	C9H16	000496-10-6	58
5	Cyclohexene, 4-propyl-	124	C9H16	013487-64-4	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

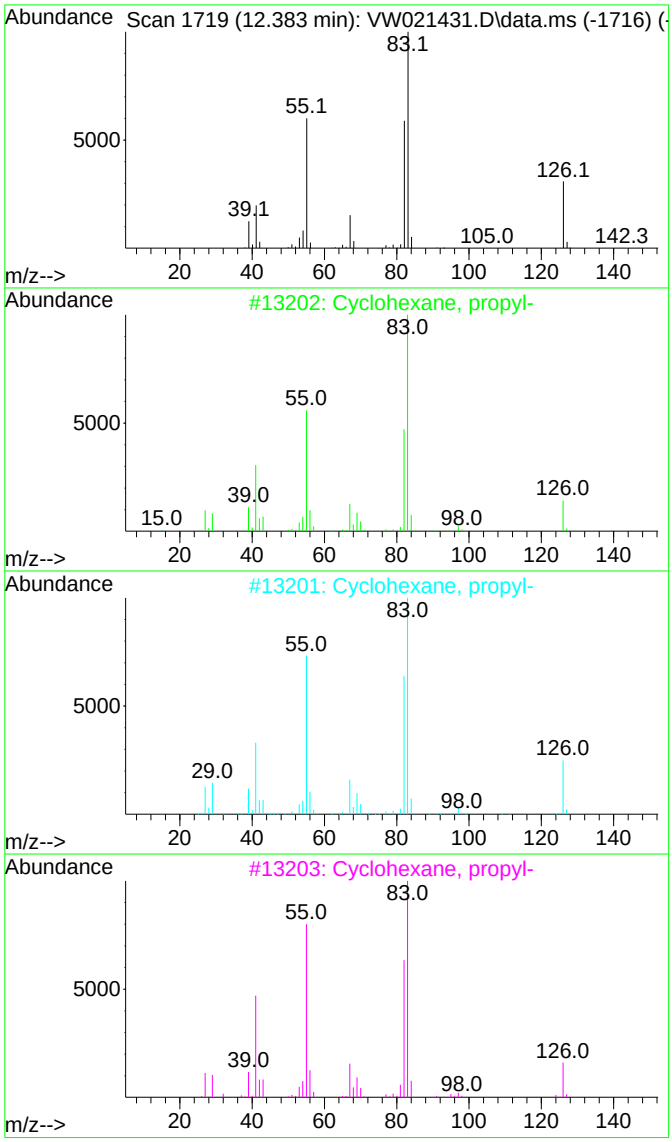
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

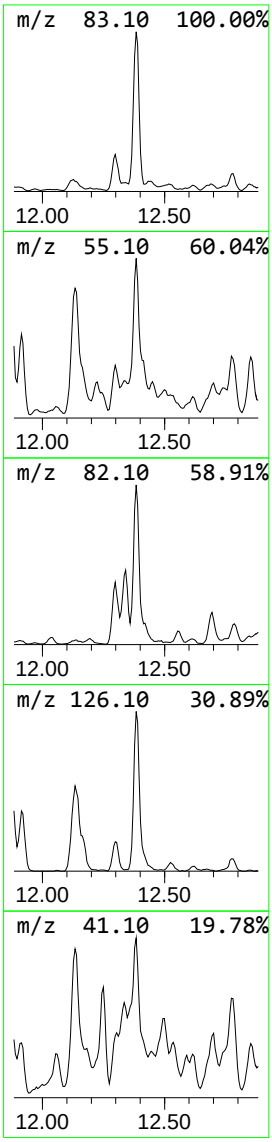
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Cyclic12.383 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.383	10.84 ug/L	190064	Chlorobenzene-d5	11.627

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	83
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	53
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

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

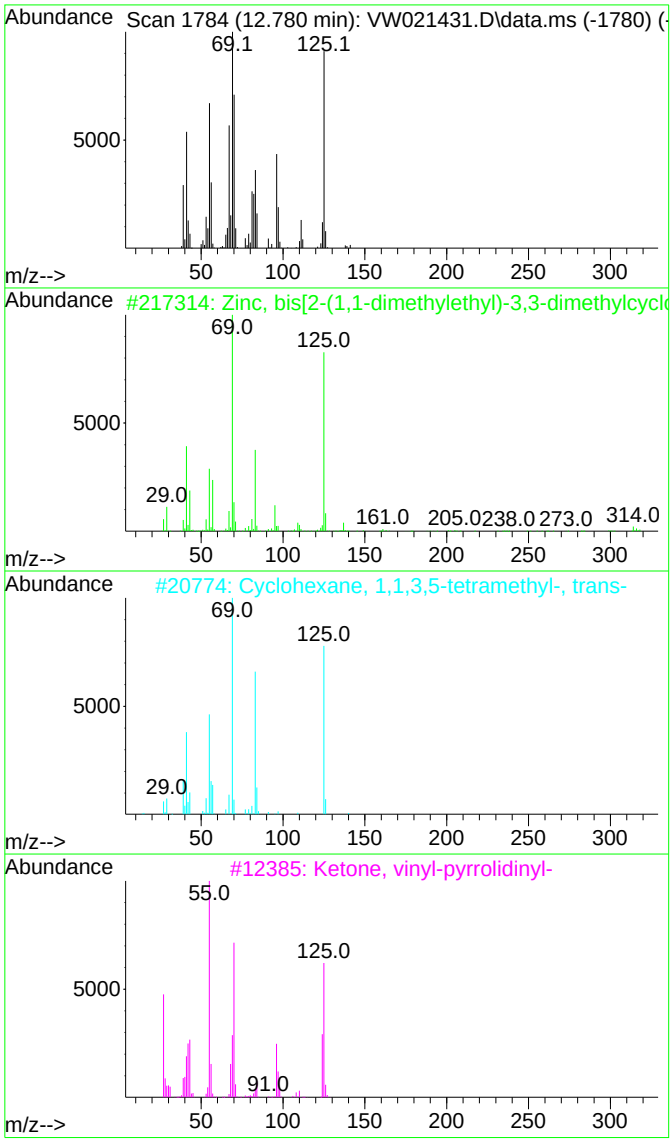
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

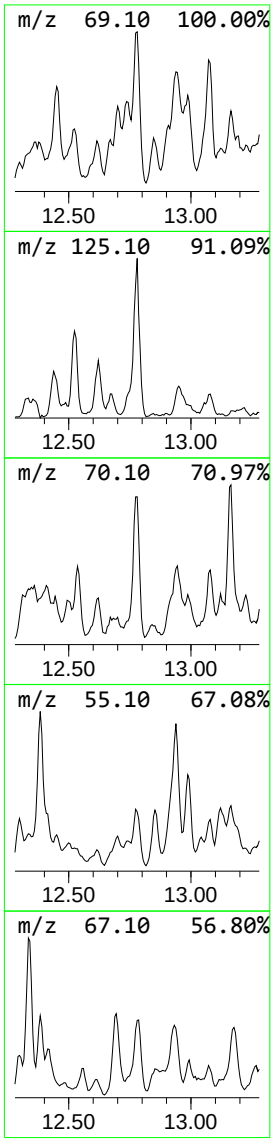
****

Peak Number 32 unknown-03 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	19.47 ug/L	331433	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Zinc, bis[2-(1,1-dimethylethyl)-...	314	C18H34Zn	074793-36-5	47
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	43
3	Ketone, vinyl-pyrrolidinyl-	125	C7H11NO	042104-70-1	43
4	Cyclohexane, 1,3,5-trimethyl-2-o...	378	C27H54	055282-34-3	35
5	4-Aminoresorcinol	125	C6H7NO2	013066-95-0	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

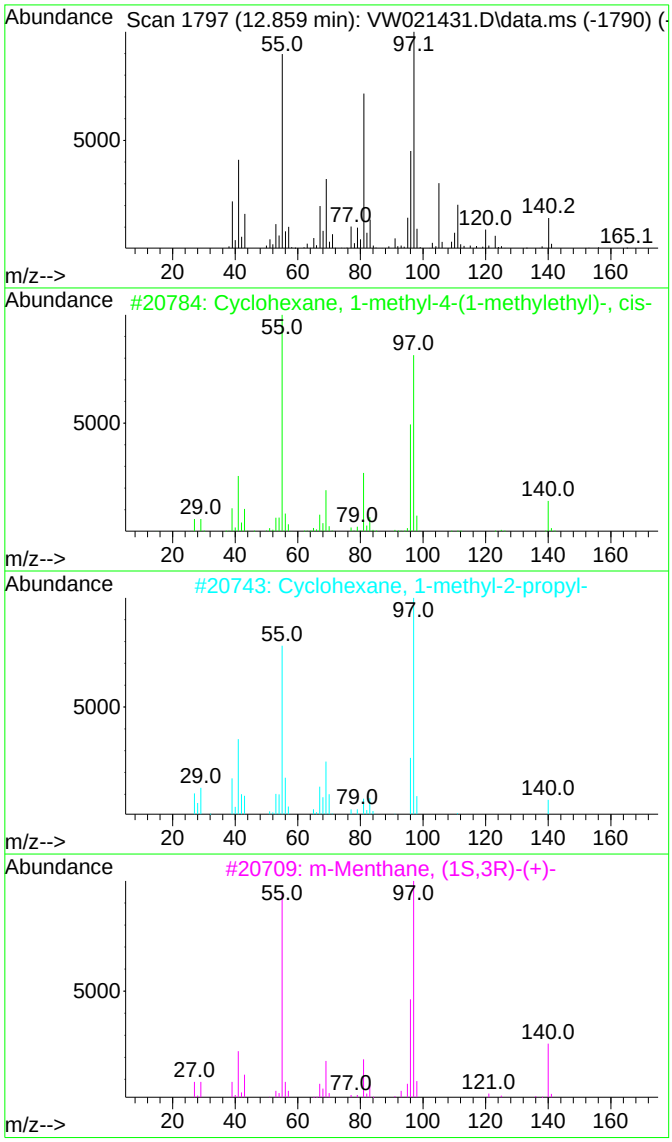
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

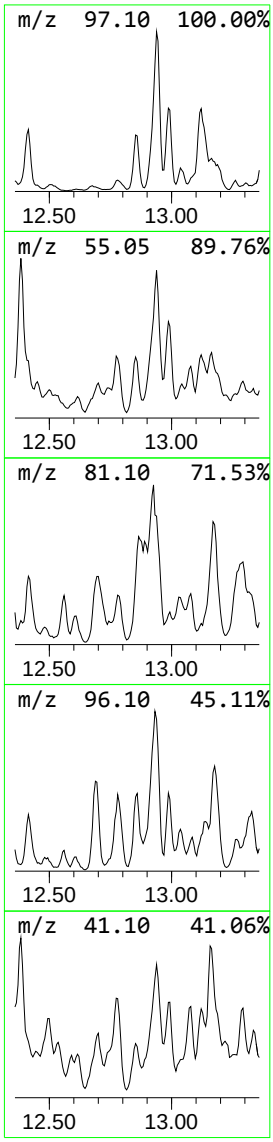
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Cyclic12.859 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	12.95 ug/L	220454	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	62
2	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	58
3	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	58
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\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

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

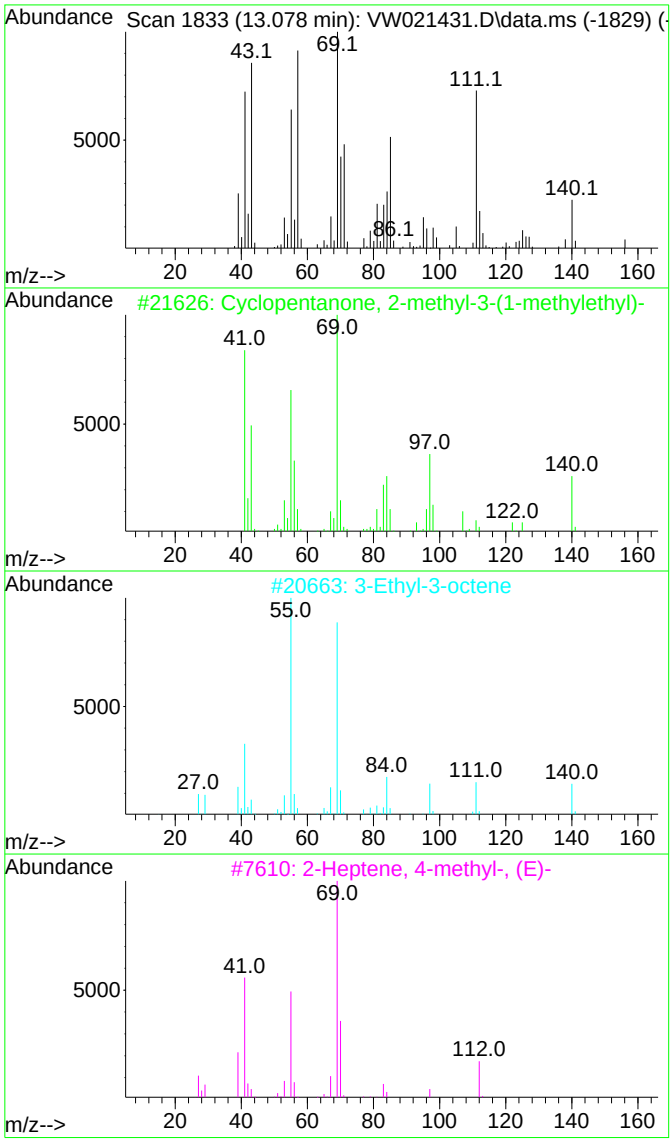
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

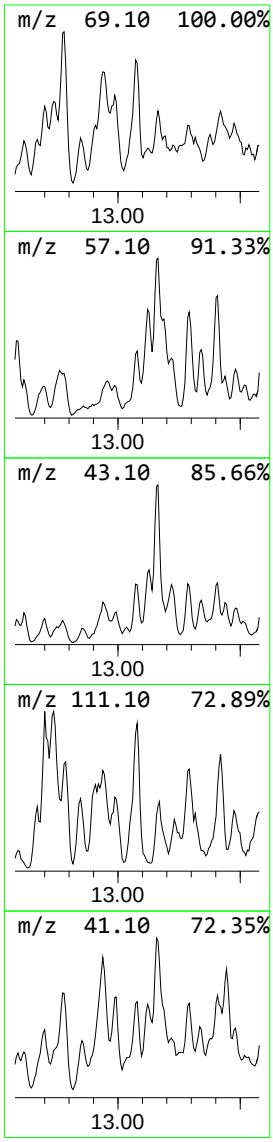
****

Peak Number 34 unknown-04 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.078	7.03 ug/L	119576	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2-methyl-3-(1-me...	140	C9H16O	054549-81-4	43
2	3-Ethyl-3-octene	140	C10H20	019781-31-8	38
3	2-Heptene, 4-methyl-, (E)-	112	C8H16	066225-17-0	38
4	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	38
5	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

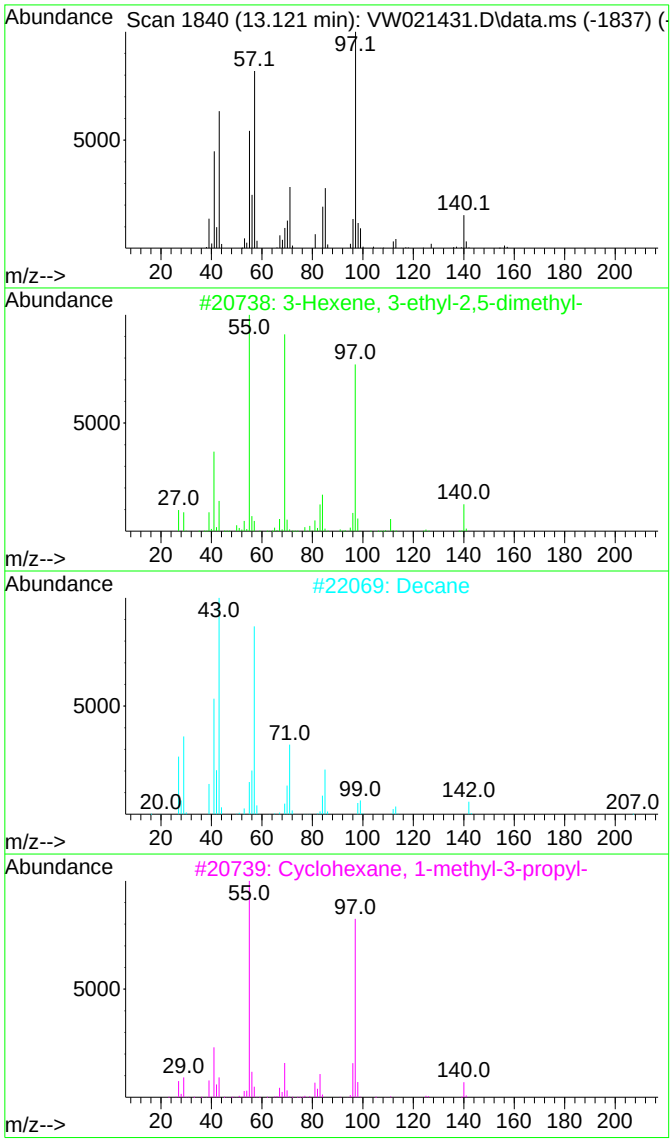
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

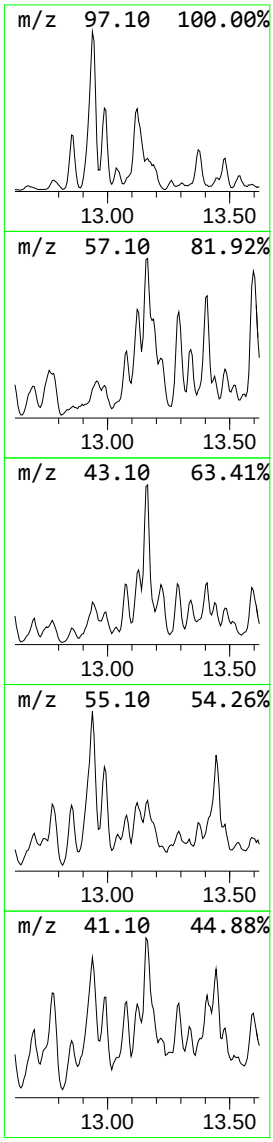
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.121	7.17 ug/L	122075	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	49
2	Decane	142	C10H22	000124-18-5	42
3	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	38
4	4-Hepten-3-one, 2,6-dimethyl-	140	C9H16O	056259-14-4	38
5	Decahydrobenzopyran	140	C9H16O	1000429-74-9	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

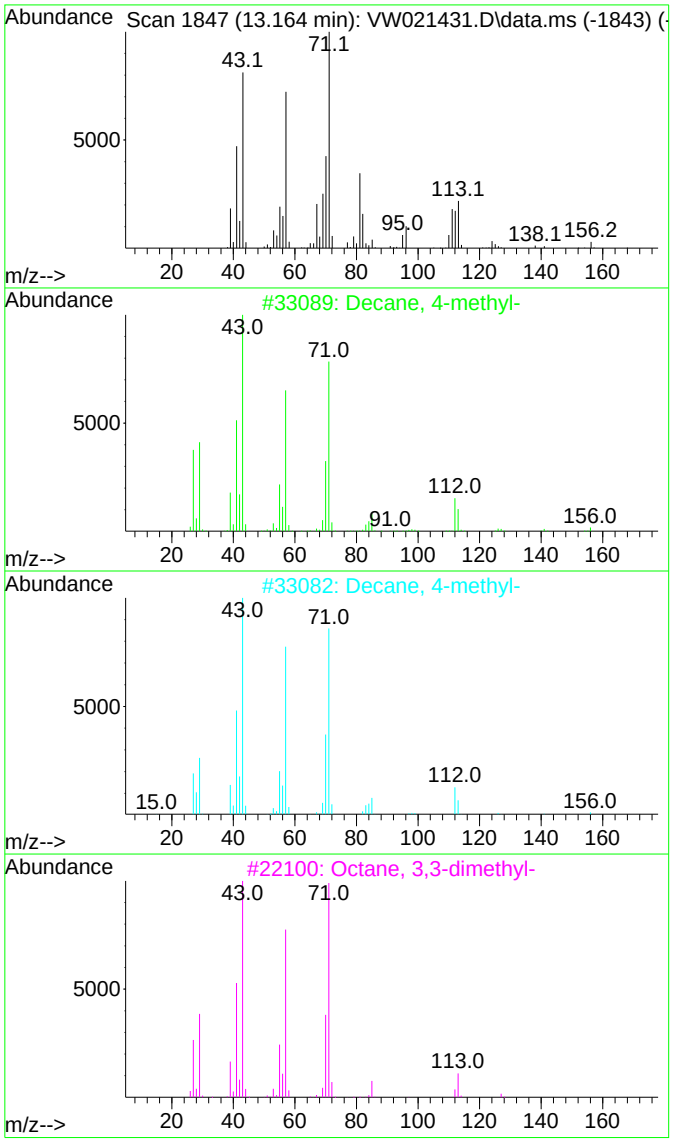
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

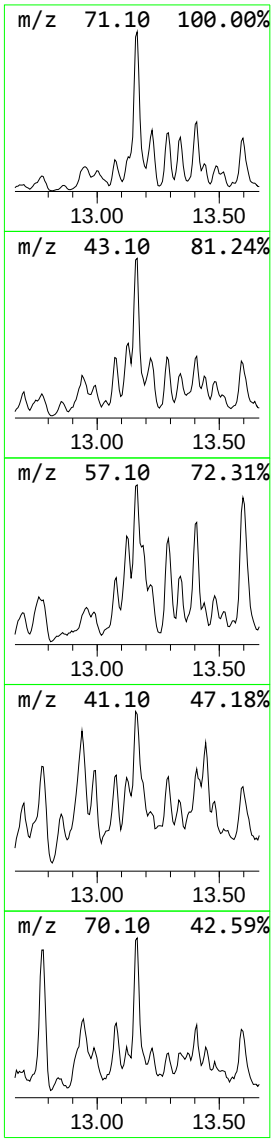
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	21.11 ug/L	359221	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	58
2	Decane, 4-methyl-	156	C11H24	002847-72-5	53
3	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	50
4	Oxalic acid, 2-ethylhexyl pentyl...	272	C15H28O4	1000309-38-7	50
5	3,4,4-Trimethyl-1-penten-3-ol	128	C8H16O	003732-61-4	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

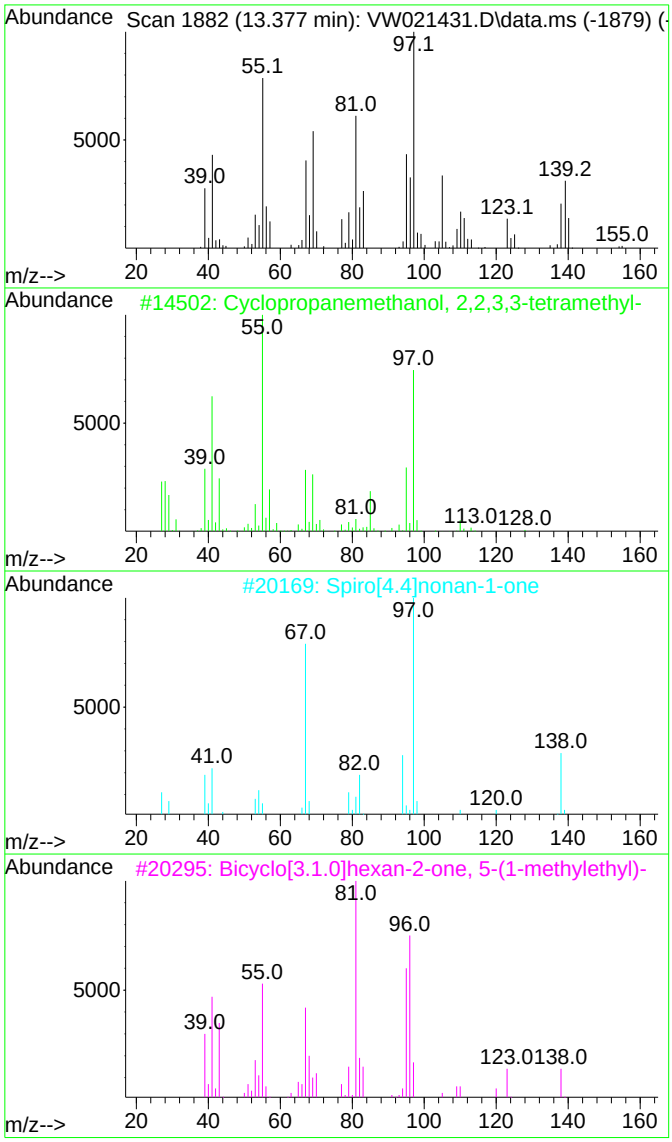
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

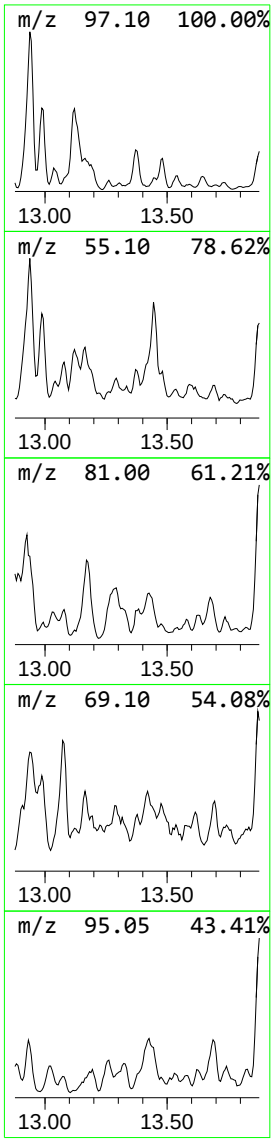
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 Cyclopropanemethanol, 2,2,3... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.377	3.42 ug/L	58151	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropanemethanol, 2,2,3,3-te...	128	C8H16O	002415-96-5	50
2	Spiro[4.4]nonan-1-one	138	C9H14O	014727-58-3	43
3	Bicyclo[3.1.0]hexan-2-one, 5-(1-...	138	C9H14O	000513-20-2	41
4	2-Isopropyl-5-methylpyrazol-3-amine	139	C7H13N3	001124-16-9	38
5	9-Methylbicyclo[3.3.1]nonane	138	C10H18	025107-01-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

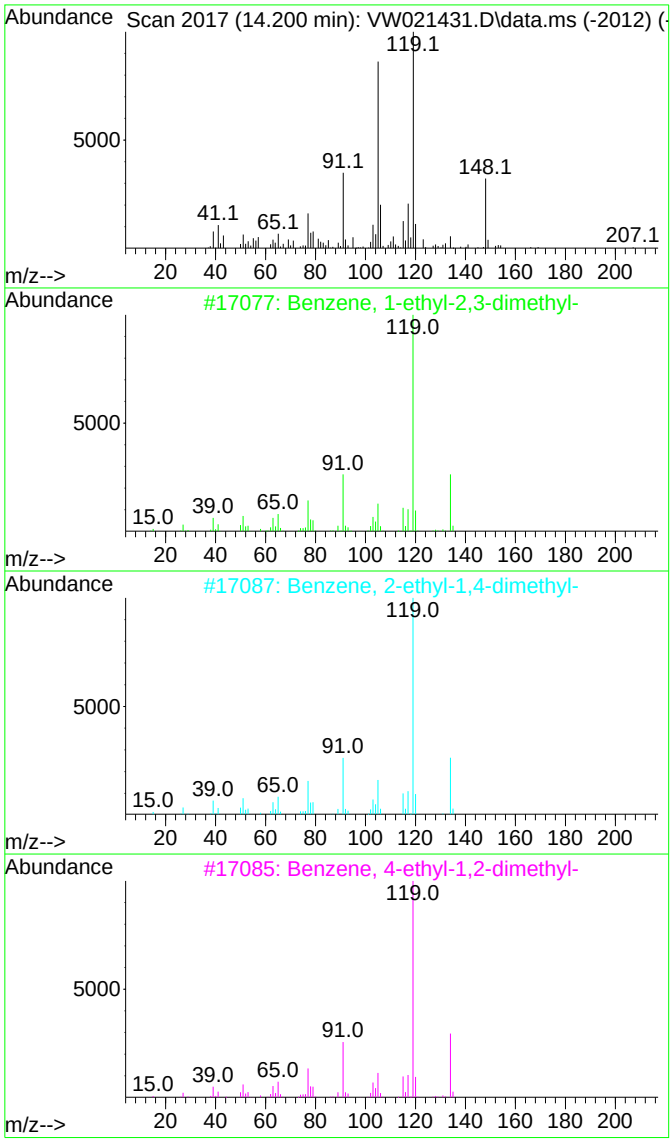
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

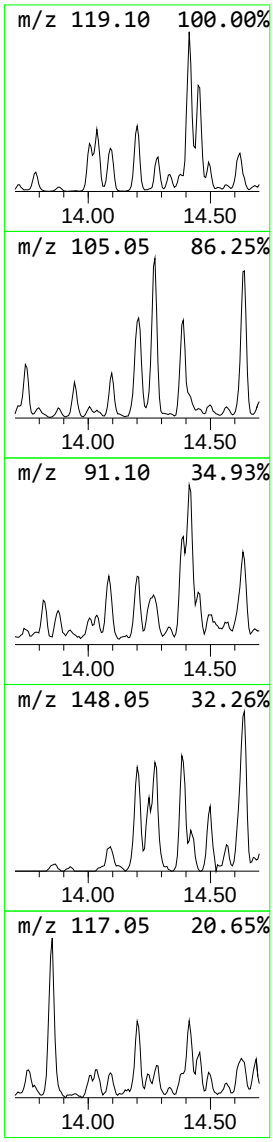
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.200	9.29 ug/L	158136	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	64
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	60
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

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

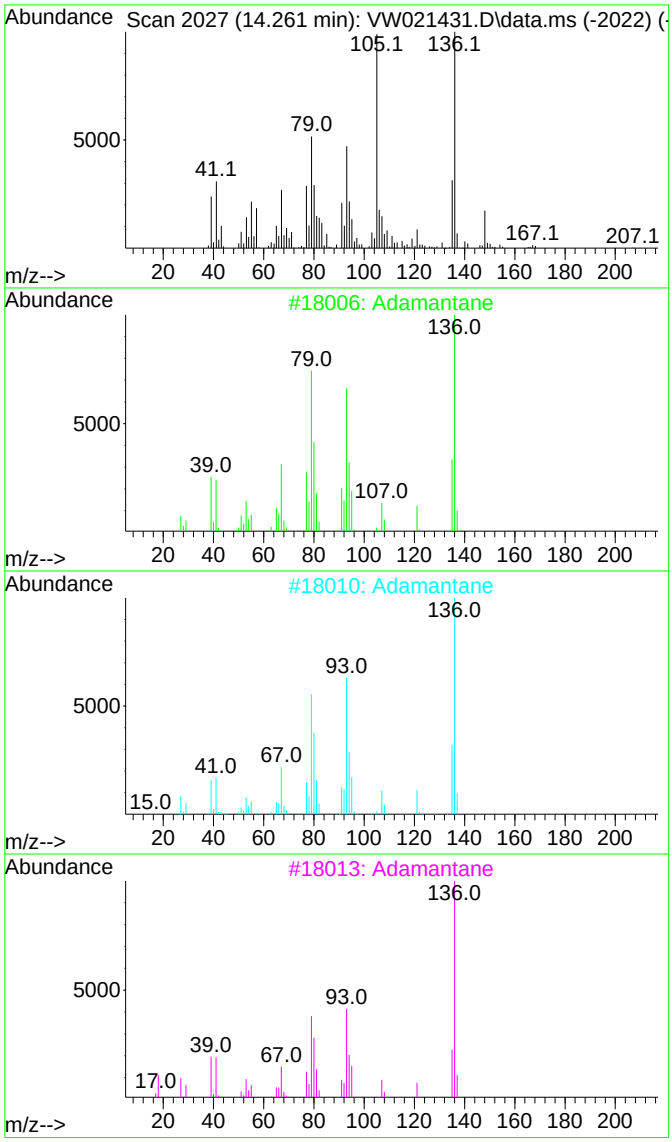
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

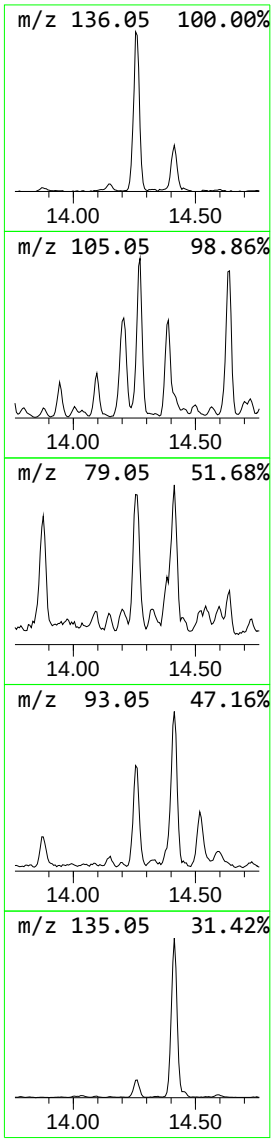
****

Peak Number 39 Adamantane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.261	16.83 ug/L	286458	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	97
2	Adamantane	136	C10H16	000281-23-2	96
3	Adamantane	136	C10H16	000281-23-2	90
4	Adamantane	136	C10H16	000281-23-2	58
5	Adamantane	136	C10H16	000281-23-2	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

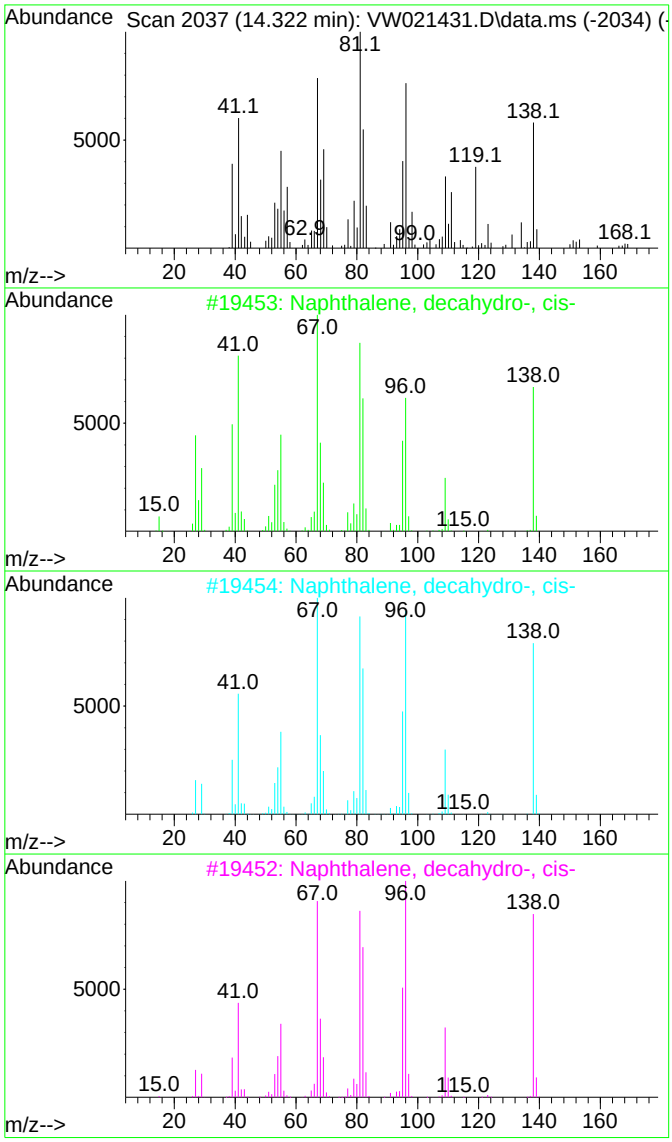
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

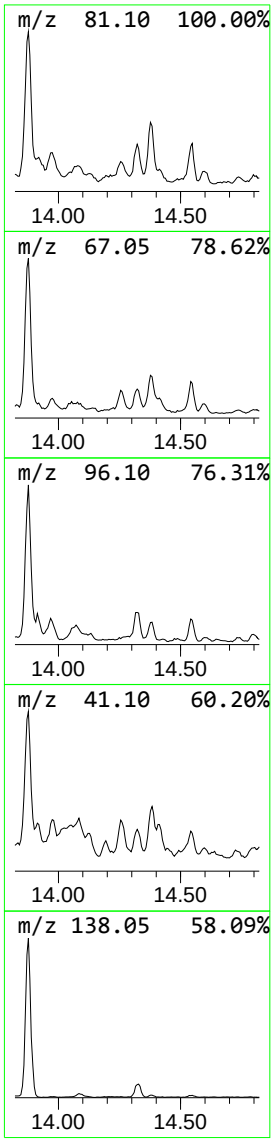
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 Naphthalene, decahydro-, cis- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.322	5.03 ug/L	85530	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	94
2	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	93
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	91
4	Naphthalene, decahydro-	138	C10H18	000091-17-8	90
5	Spiro[4.5]decane	138	C10H18	000176-63-6	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

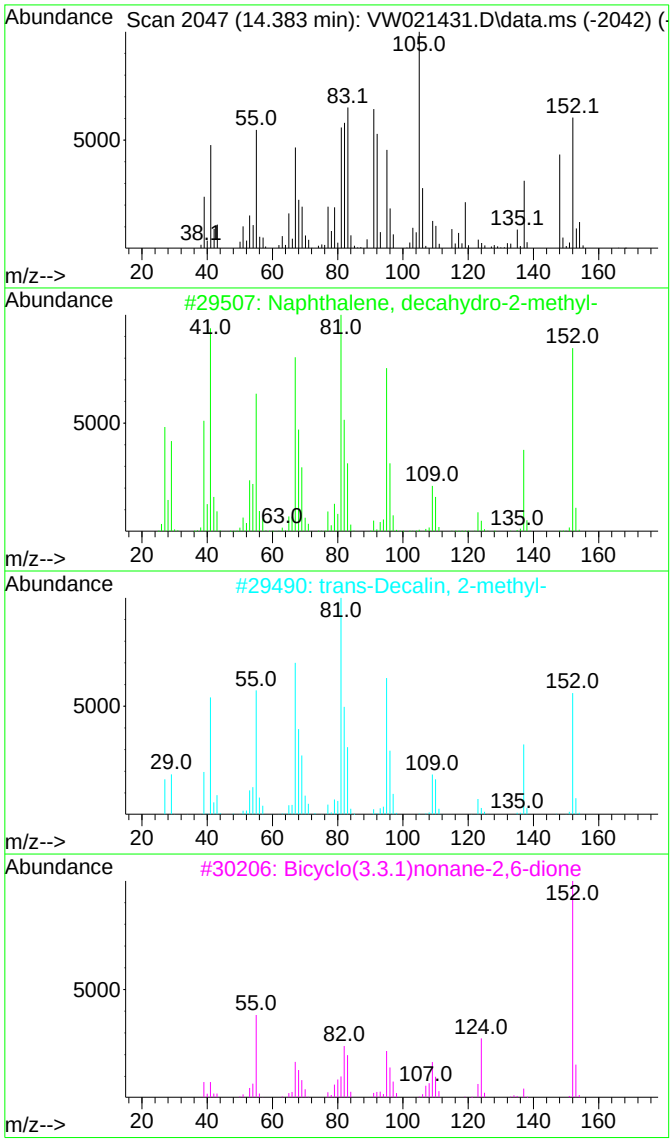
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

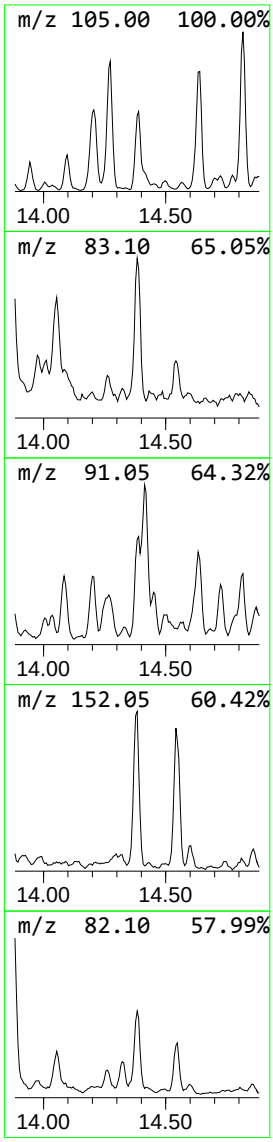
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 Naphthalene, decahydro-2-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	15.11 ug/L	257170	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	89
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	30
3	Bicyclo(3.3.1)nonane-2,6-dione	152	C9H12O2	016473-11-3	30
4	Bicyclo[3.3.1]nonane-2,7-dione	152	C9H12O2	1000210-30-3	25
5	Dodeca-1,6-dien-12-ol, 6,10-dime...	210	C14H26O	1000156-13-8	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

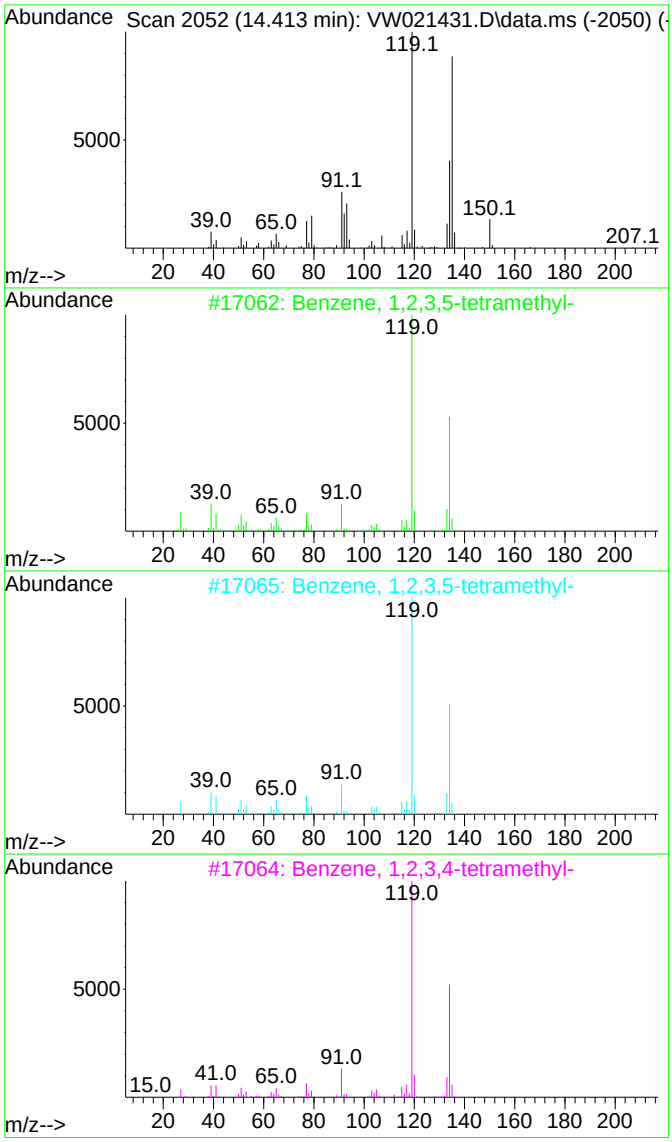
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

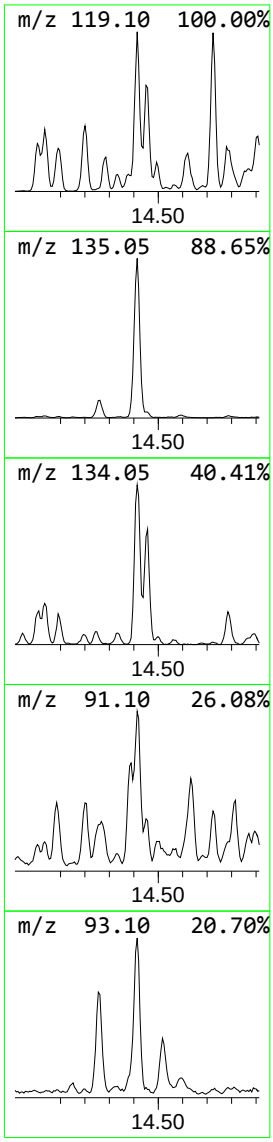
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.414	12.90 ug/L	219570	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	55
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	55
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	55
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	55
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

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

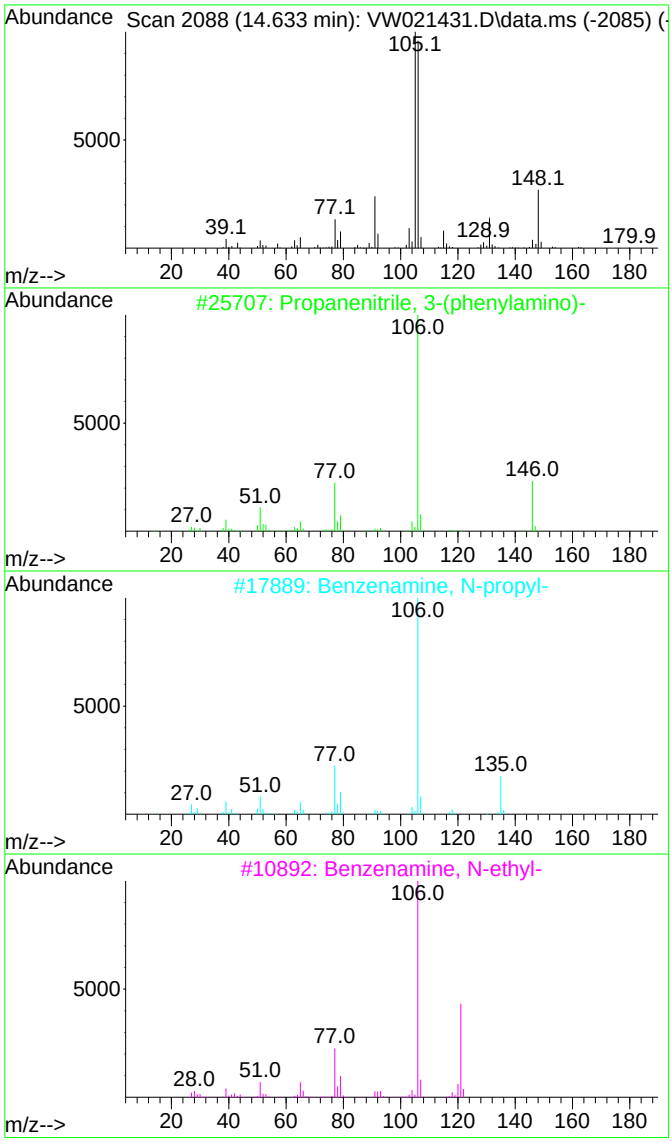
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

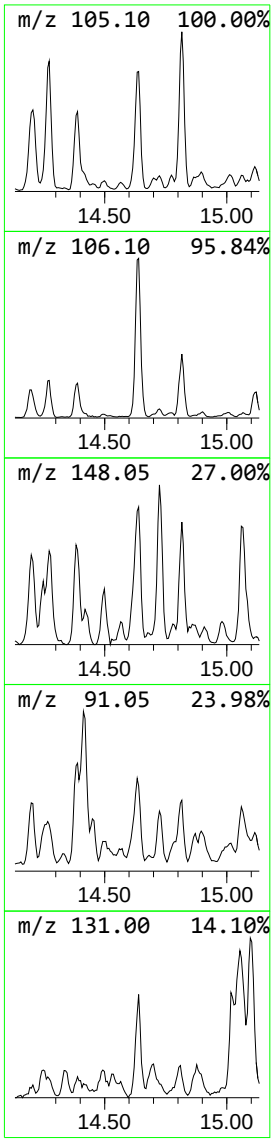
****

Peak Number 43 unknown-05 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.633	8.29 ug/L	141116	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanenitrile, 3-(phenylamino)-	146	C9H10N2	001075-76-9	47
2	Benzenamine, N-propyl-	135	C9H13N	000622-80-0	43
3	Benzenamine, N-ethyl-	121	C8H11N	000103-69-5	43
4	N-Benzyl-3-bromo-5-methylbenzene...	381	C16H16BrNO3S	1000505-09-5	40
5	2-Methylindan-2-ol	148	C10H12O	033223-84-6	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

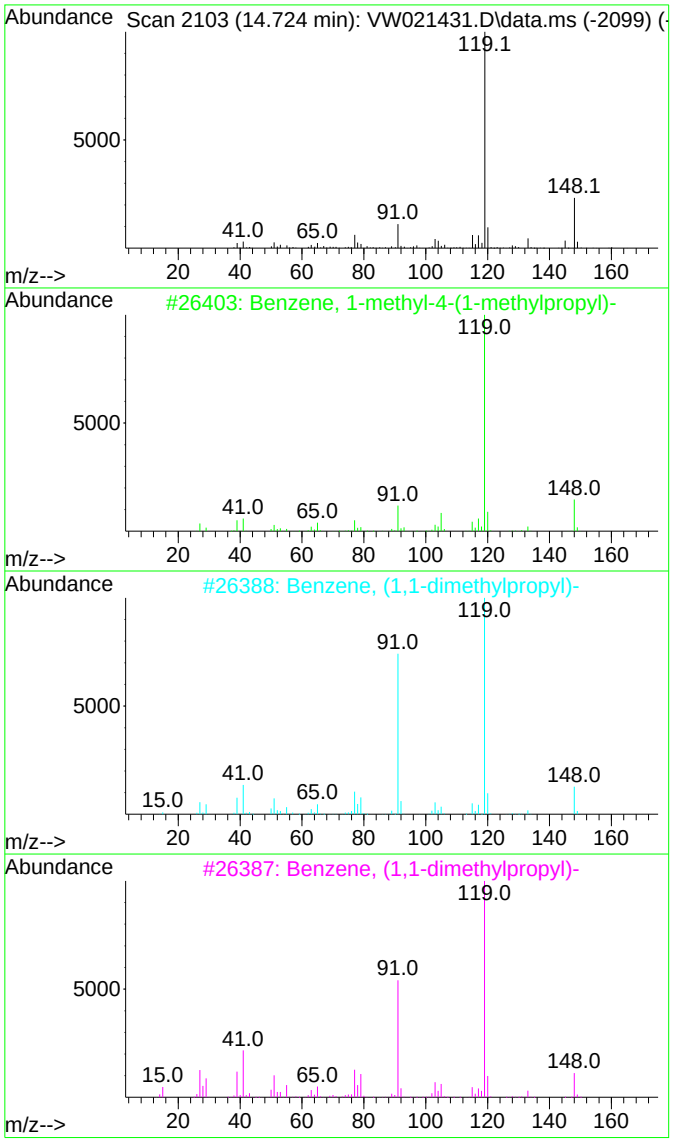
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

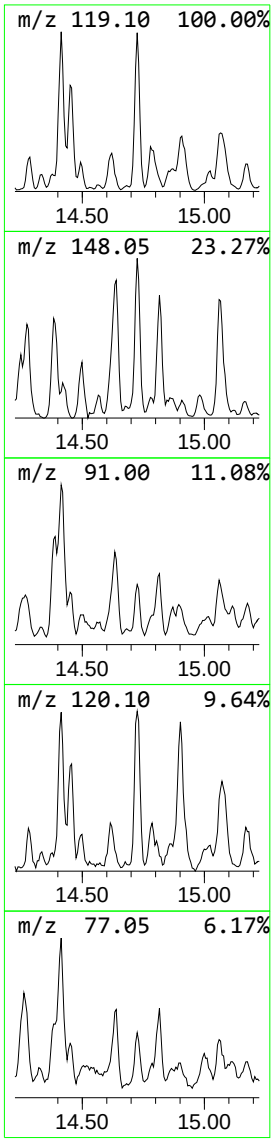
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 Benzene, 1-methyl-4-(1-meth... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.724	7.47 ug/L	127181	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	91
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	87
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	87
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	78
5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

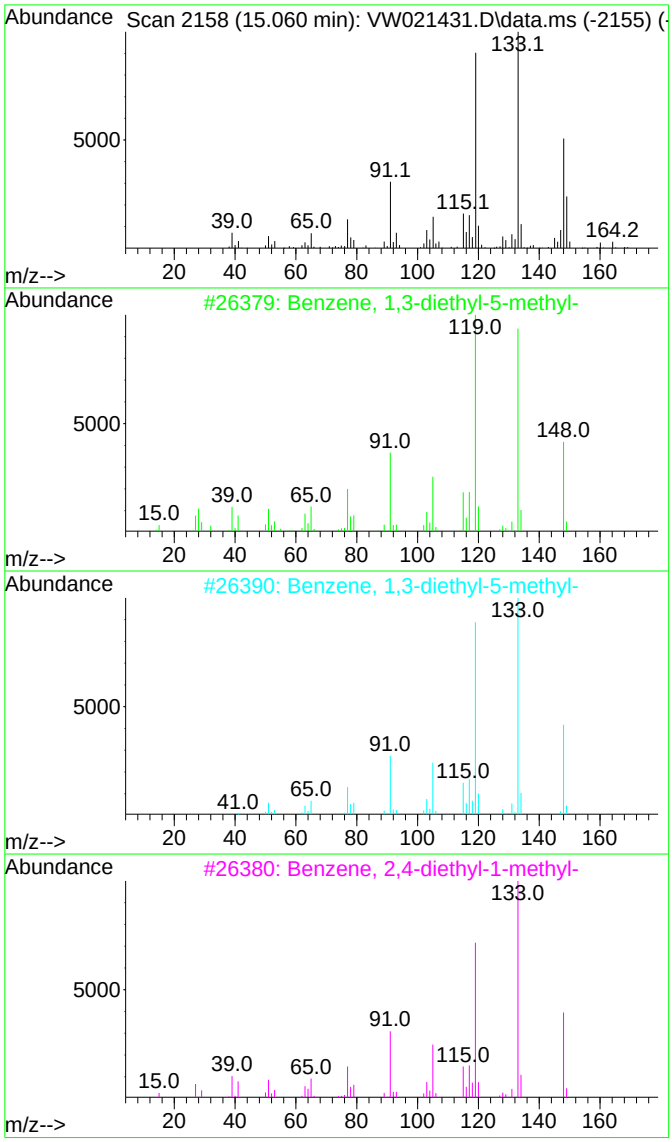
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

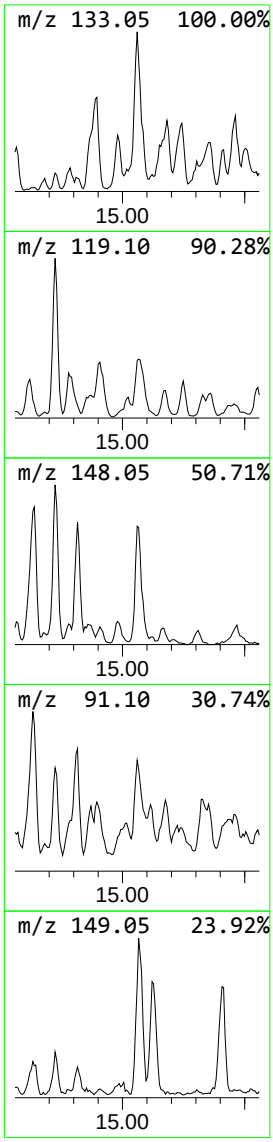
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	5.38 ug/L	91564	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	95
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	93
3	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	91
4	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	76
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

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

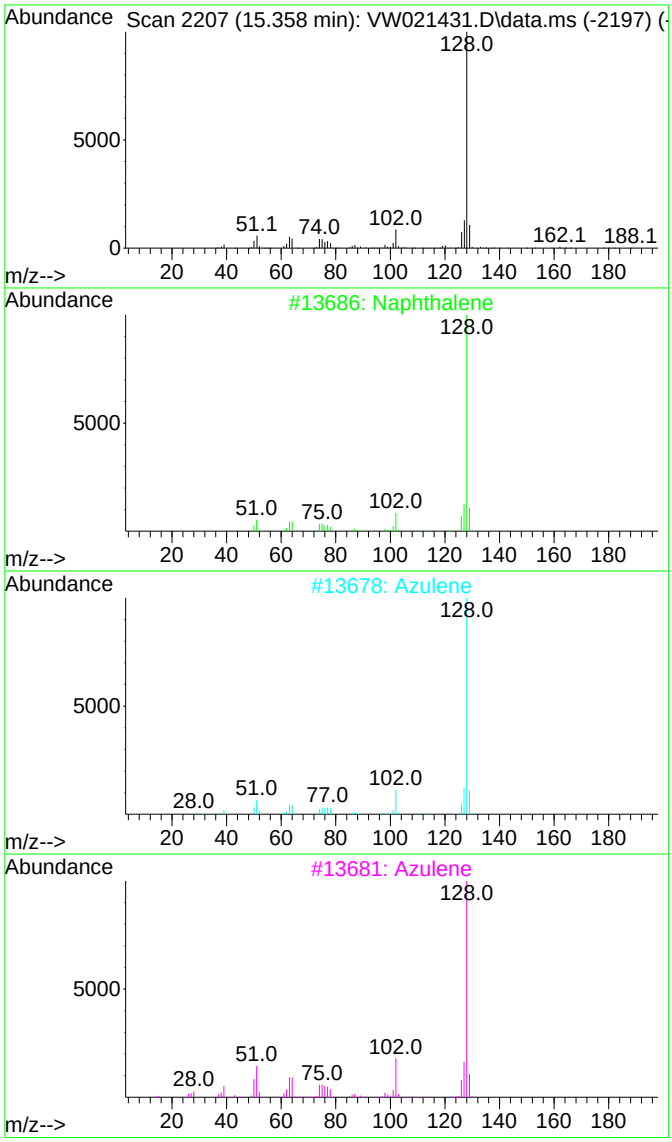
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

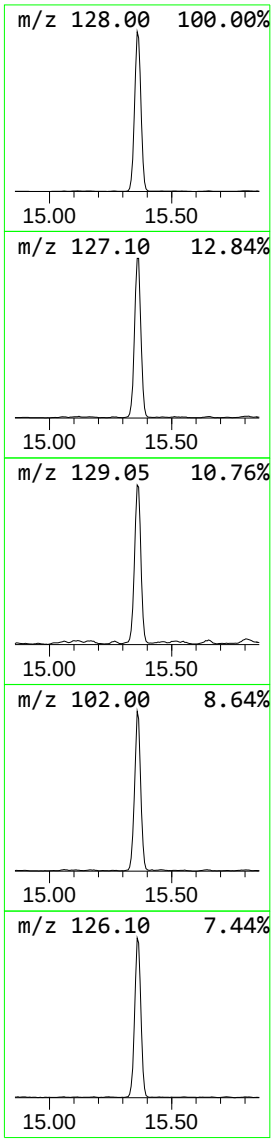
****

Peak Number 46 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.358	121.19 ug/L	2062600	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	Azulene	128	C10H8	000275-51-4	91
4	Naphthalene	128	C10H8	000091-20-3	91
5	Naphthalene	128	C10H8	000091-20-3	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

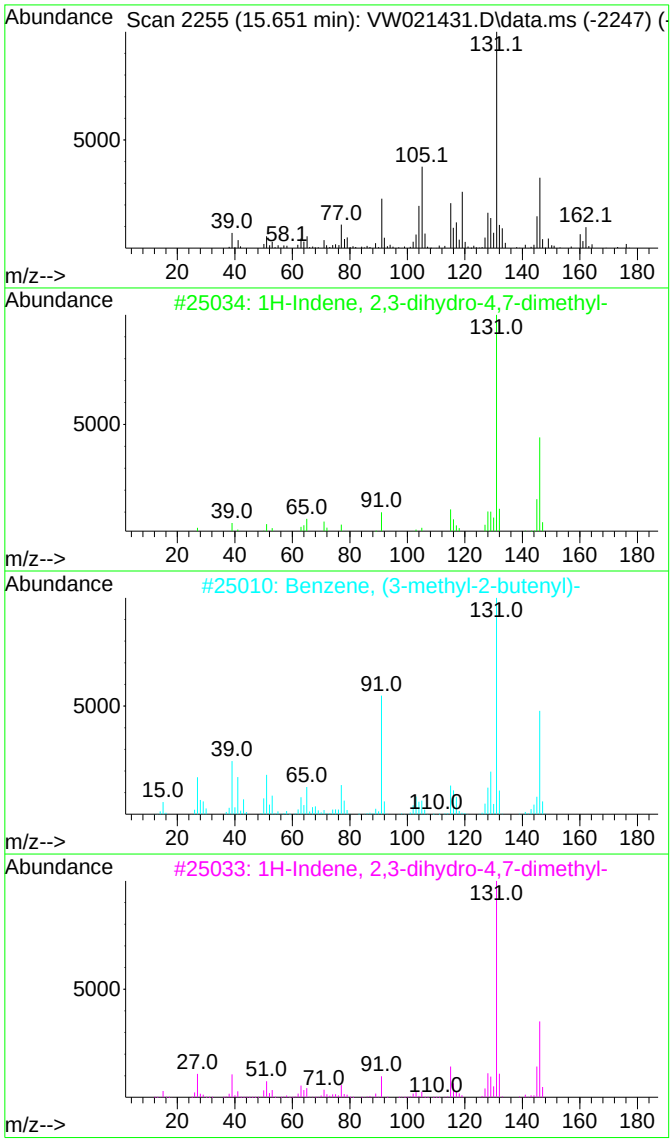
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

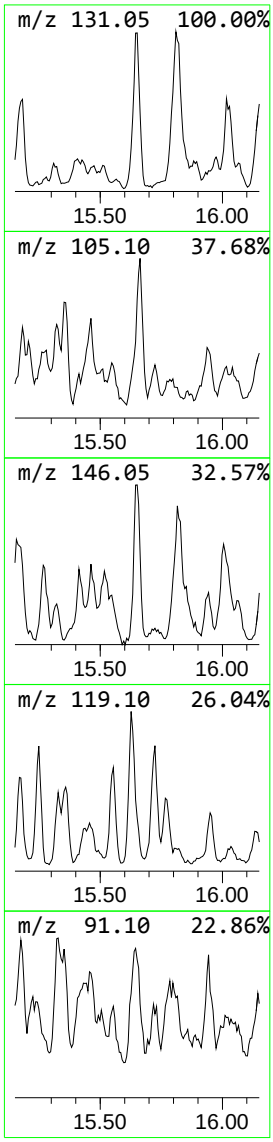
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	9.38 ug/L	159732	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	92
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	86
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	86
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	86
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

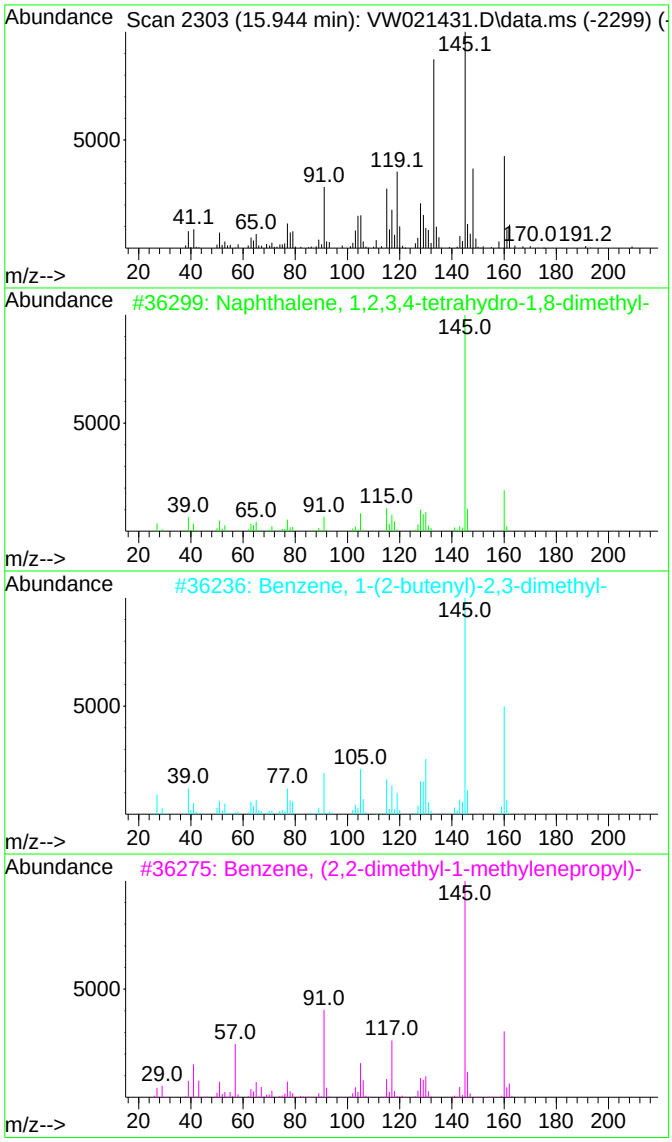
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

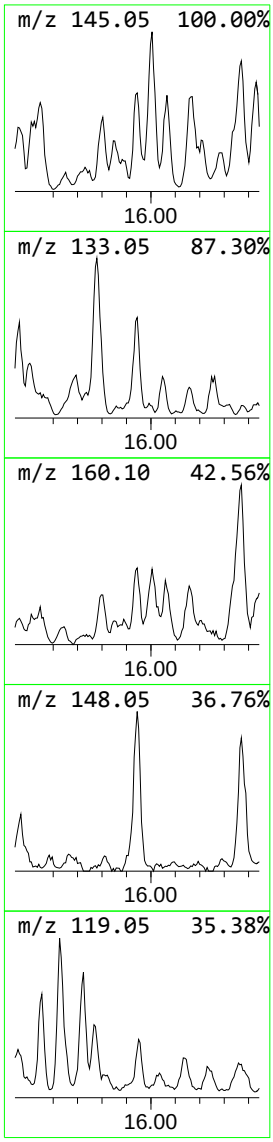
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.944	5.02 ug/L	85378	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	50
2	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	50
3	Benzene, (2,2-dimethyl-1-methyle...	160	C12H16	005676-29-9	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	004175-54-6	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021431.D
Acq On : 17 Dec 2021 15:17
Operator : SY/VA
Sample : M5121-05
Misc : 6.44g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL55

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
Acetaldehyde	2.489	2.0	ug/L	23774	1	8.841	303469	25.0
unknown-01	6.890	1.5	ug/L	17977	1	8.841	303469	25.0
(DEL) Alkane: S...	7.921	5.4	ug/L	66064	1	8.841	303469	25.0
(DEL) Alkane: S...	8.152	7.9	ug/L	95449	1	8.841	303469	25.0
(DEL) Alkane: S...	8.476	5.6	ug/L	68070	1	8.841	303469	25.0
(DEL) Alkane: S...	9.378	3.2	ug/L	38968	1	8.841	303469	25.0
(DEL) Alkane: C...	9.603	2.4	ug/L	29063	1	8.841	303469	25.0
(DEL) Alkane: S...	9.756	4.6	ug/L	55745	1	8.841	303469	25.0
(DEL) Alkane: S...	9.890	6.7	ug/L	81760	1	8.841	303469	25.0
(DEL) Alkane: S...	9.987	2.9	ug/L	34923	1	8.841	303469	25.0
Butanoic acid, ...	10.091	6.9	ug/L	83368	1	8.841	303469	25.0
(DEL) Alkane: C...	10.487	2.4	ug/L	42624	2	11.627	438263	25.0
(DEL) Alkane: C...	10.664	3.0	ug/L	52268	2	11.627	438263	25.0
(DEL) Alkane: C...	10.756	4.1	ug/L	72205	2	11.627	438263	25.0
unknown-02	10.847	3.0	ug/L	52184	2	11.627	438263	25.0
Cyclohexanone, ...	10.993	2.0	ug/L	34122	2	11.627	438263	25.0
(DEL) Alkane: S...	11.030	2.4	ug/L	41642	2	11.627	438263	25.0
(DEL) Alkane: C...	11.109	3.8	ug/L	66252	2	11.627	438263	25.0
(DEL) Alkane: C...	11.176	6.0	ug/L	105149	2	11.627	438263	25.0
Pyrazol-4-amine...	11.225	4.8	ug/L	84504	2	11.627	438263	25.0
(DEL) Alkane: S...	11.274	3.0	ug/L	51640	2	11.627	438263	25.0
(DEL) Alkane: S...	11.335	3.0	ug/L	52093	2	11.627	438263	25.0
(DEL) Alkane: C...	11.432	9.1	ug/L	158633	2	11.627	438263	25.0
(DEL) Alkane: S...	11.512	4.4	ug/L	76529	2	11.627	438263	25.0
(DEL) Alkane: C...	11.762	5.9	ug/L	103023	2	11.627	438263	25.0
(DEL) Alkane: C...	11.914	9.5	ug/L	166559	2	11.627	438263	25.0
(DEL) Alkane: S...	12.054	6.3	ug/L	110653	2	11.627	438263	25.0
(DEL) Alkane: S...	12.249	9.6	ug/L	167815	2	11.627	438263	25.0
Cyclooctene, 3-...	12.335	29.9	ug/L	524776	2	11.627	438263	25.0
(DEL) Alkane: C...	12.383	10.8	ug/L	190064	2	11.627	438263	25.0
unknown-03	12.780	19.5	ug/L	331433	3	13.554	425498	25.0
(DEL) Alkane: C...	12.859	12.9	ug/L	220454	3	13.554	425498	25.0
unknown-04	13.078	7.0	ug/L	119576	3	13.554	425498	25.0
(DEL) Alkane: S...	13.121	7.2	ug/L	122075	3	13.554	425498	25.0
(DEL) Alkane: S...	13.164	21.1	ug/L	359221	3	13.554	425498	25.0
Cyclopropanemet...	13.377	3.4	ug/L	58151	3	13.554	425498	25.0
Benzene, 1-ethy...	14.200	9.3	ug/L	158136	3	13.554	425498	25.0
Adamantane	14.261	16.8	ug/L	286458	3	13.554	425498	25.0
Naphthalene, de...	14.322	5.0	ug/L	85530	3	13.554	425498	25.0
Naphthalene, de...	14.383	15.1	ug/L	257170	3	13.554	425498	25.0
Benzene, 1,2,3,...	14.414	12.9	ug/L	219570	3	13.554	425498	25.0
unknown-05	14.633	8.3	ug/L	141116	3	13.554	425498	25.0
Benzene, 1-meth...	14.724	7.5	ug/L	127181	3	13.554	425498	25.0
Benzene, 1,3-di...	15.060	5.4	ug/L	91564	3	13.554	425498	25.0
Azulene	15.358	121.2	ug/L	2062600	3	13.554	425498	25.0
1H-Indene, 2,3-...	15.651	9.4	ug/L	159732	3	13.554	425498	25.0
Naphthalene, 1,...	15.944	5.0	ug/L	85378	3	13.554	425498	25.0