LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

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: VW021656.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.342	63	72	83	rVB	33502	55698	0.90%	0.123%
2	2.507	91	99	113	rBV	20696	60226	0.97%	0.133%
3	2.879	154	160	173	rVB	19949	42404	0.68%	0.093%
4	4.007	333	345	357	rBV	43606	124018	2.00%	0.273%
5	4.184	362	374	398	rVV2	11638	71132	1.15%	0.157%
6	6.909	804	821	829	rBV3	16177	55233	0.89%	0.122%
7	7.646	930	942	958	rBV	69258	173738	2.80%	0.382%
8	7.921	979	987	997	rBV	19304	46738	0.75%	0.103%
9	8.152	1017	1025	1033	rBV	25670	57481	0.93%	0.126%
10	8.274	1035	1045	1059	rVV2	126022	375630	6.06%	0.827%
11	8.475	1074	1078	1088	rVV3	8937	28643	0.46%	0.063%
12	8.695	1106	1114	1125	rVB	16992	36526	0.59%	0.080%
13	8.841	1128	1138	1148	rBV	151609	294522	4.75%	0.648%
14	9.274	1201	1209	1215	rBV	89544	193622	3.12%	0.426%
15	9.329	1215	1218	1224	rVV3	25254	51151	0.83%	0.113%
16	9.408	1224	1231	1243	rVV3	23915	57917	0.93%	0.127%
17	9.896	1301	1311	1316	rBV2	13032	27821	0.45%	0.061%
18	9.957	1316	1321	1325	rBV	23113	42354	0.68%	0.093%
19	10.036	1329	1334	1339	rVB	39597	62971	1.02%	0.139%
20	10.097	1339	1344	1355	rVB	26843	57972	0.94%	0.128%
21	10.213	1355	1363	1373	rBV	20059	47047	0.76%	0.104%
22	10.323	1373	1381	1387	rBV	208787	380715	6.14%	0.838%
23	10.384	1387	1391	1398	rVB	65495	115267	1.86%	0.254%
24	10.499	1404	1410	1417	rVB4	15904	36070	0.58%	0.079%
25	10.579	1417	1423	1432	rBV	28499	56691	0.91%	0.125%
26	10.756	1444	1452	1458	rBV6	15244	39167	0.63%	0.086%
27	10.841	1460	1466	1472	rVB4	17015	39765	0.64%	0.088%
28	10.926	1472	1480	1486	rBV2	53870	111195	1.79%	0.245%
29	11.030	1493	1497	1500	rVV3	23191	43462	0.70%	0.096%
30	11.073	1500	1504	1507	rVV	55849	88281	1.42%	0.194%
31	11.109	1507	1510	1513	rVV3	21027	33489	0.54%	0.074%
32	11.176	1517	1521	1526	rVV	38656	73083	1.18%	0.161%
33	11.231	1526	1530	1534	rVV	31711	59014	0.95%	0.130%
34	11.274	1534	1537	1543	rVV3	20551	42831	0.69%	0.094%
35	11.335	1543	1547	1551	rVV3	31875	53188	0.86%	0.117%
36	11.408	1551	1559	1571	rVB4	105096	296493	4.79%	0.652%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

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	11.511	1571	1576	1582	rBV	97069	156893	2.53%	0.345%
38	11.633	1587	1596	1604	rBV	219651	408642	6.60%	0.899%
39	11.731	1604	1612	1621	rBV	1566556	2541937	41.02%	5.594%
40	11.835	1621	1629	1639	rBV2	556851	1300833	20.99%	2.863%
41	11.914	1639	1642	1648	rVB2	64742	104689	1.69%	0.230%
42	12.060	1658	1666	1671	rVB3	38797	77739	1.25%	0.171%
43	12.164	1671	1683	1690	rBV	750552	1567750	25.30%	3.450%
44	12.249	1693	1697	1701	rVB	100298	155315	2.51%	0.342%
45	12.335	1701	1711	1715	rBV3	174602	446840	7.21%	0.983%
46	12.383	1716	1719	1723	rVB2	104161	145075	2.34%	0.319%
47	12.463	1726	1732	1737	rBV	455865	732448	11.82%	1.612%
48	12.536	1742	1744	1747	rVV2	54233	68445	1.10%	0.151%
49	12.566	1747	1749	1754	rVB	113511	125650	2.03%	0.277%
50	12.645	1759	1762	1766	rVB	87862	106411	1.72%	0.234%
51	12.694	1766	1770	1775	rVB4	101025	161507	2.61%	0.355%
52	12.804	1780	1788	1792	rVB	397320	731015	11.80%	1.609%
53	12.865	1792	1798	1801	rBV	416064	685759	11.07%	1.509%
54	12.895	1801	1803	1806	rVV	144823	198479	3.20%	0.437%
55	12.938	1806	1810	1815	rVB	365523	591997	9.55%	1.303%
56	12.987	1815	1818	1824	rVB2	97062	159723	2.58%	0.351%
57	13.103	1828	1837	1843	rBV	752121	1411297	22.78%	3.106%
58	13.164	1843	1847	1851	rBV2	121721	159233	2.57%	0.350%
59	13.249	1855	1861	1867	rBV	2259363	3416875	55.15%	7.519%
60	13.383	1872	1883	1888	rBV4	232550	647784	10.45%	1.426%
61	13.438	1888	1892	1897	rVB2	412034	626584	10.11%	1.379%
62	13.487	1897	1900	1907	rVB3	170226	315108	5.09%	0.693%
63	13.584	1907	1916	1921	rBV2	926918	1819512	29.37%	4.004%
64	13.718	1932	1938	1939	rBV	330922	476620	7.69%	1.049%
65	13.749	1939	1943	1948	rVV2	1123945	1905114	30.75%	4.192%
66	13.798	1948	1951	1957	rVV2	355417	741772	11.97%	1.632%
67	13.877	1957	1964	1969	rVV4	333961	778354	12.56%	1.713%
68	13.944	1969	1975	1980	rVV	383094	612695	9.89%	1.348%
69	14.005	1980	1985	1988	rVV	478540	809578	13.07%	1.782%
70	14.035	1988	1990	1995	rVV	455430	603912	9.75%	1.329%
71	14.096	1995	2000	2005	rVB	548544	826275	13.34%	1.818%
72	14.157	2007	2010	2012	rBV	35400	46972	0.76%	0.103%
73	14.200	2012	2017	2022	rVB2	409086	678372	10.95%	1.493%
74	14.255	2022	2026	2033	rVB4	109839	249146	4.02%	0.548%
75	14.328	2033	2038	2043	rBV3	345470	649464	10.48%	1.429%
76	14.413	2048	2052	2055	rVV	569481	939547	15.16%	2.068%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

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	14.456	2055	2059	2063	rVV	613770	934527	15.08%	2.057%
78	14.499	2063	2066	2070	rVV2	169871	236022	3.81%	0.519%
79	14.548	2070	2074	2076	rVV2	48455	86709	1.40%	0.191%
80	14.633	2080	2088	2092	rVB3	166000	340831	5.50%	0.750%
81	14.688	2092	2097	2100	rBV3	171774	296213	4.78%	0.652%
82	14.724	2100	2103	2108	rVB	139869	216598	3.50%	0.477%
83	14.791	2108	2114	2121	rBV3	404649	1054169	17.01%	2.320%
84	14.852	2121	2124	2130	rVB	84657	136831	2.21%	0.301%
85	14.956	2136	2141	2145	rBV	80491	136678	2.21%	0.301%
86	15.060	2153	2158	2167	rBV3	179284	404724	6.53%	0.891%
87	15.175	2172	2177	2185	rVB3	227894	456941	7.37%	1.006%
88	15.261	2186	2191	2195	rVB5	26483	53944	0.87%	0.119%
89	15.364	2196	2208	2214	rBV	3396134	6196156	100.00%	13.635%
90	15.462	2219	2224	2229	rBV2	93490	154792	2.50%	0.341%
91	15.547	2236	2238	2247	rVB4	63790	110751	1.79%	0.244%
92	15.651	2247	2255	2261	rBV3	109781	236132	3.81%	0.520%
93	15.724	2262	2267	2272	rBV3	25576	46068	0.74%	0.101%
94	15.816	2272	2282	2286	rBV3	57116	152697	2.46%	0.336%
95	15.944	2298	2303	2308	rVB3	48008	86820	1.40%	0.191%
96	16.017	2310	2315	2321	rVB3	32958	73387	1.18%	0.161%
97	16.169	2331	2340	2345	rBV4	49299	123186	1.99%	0.271%
98	16.364	2364	2372	2377	rBV3	66256	154083	2.49%	0.339%
99	16.437	2377	2384	2398	rVB	268117	656864	10.60%	1.445%
100	16.639	2401	2417	2430	rVB	564389	1484200	23.95%	3.266%

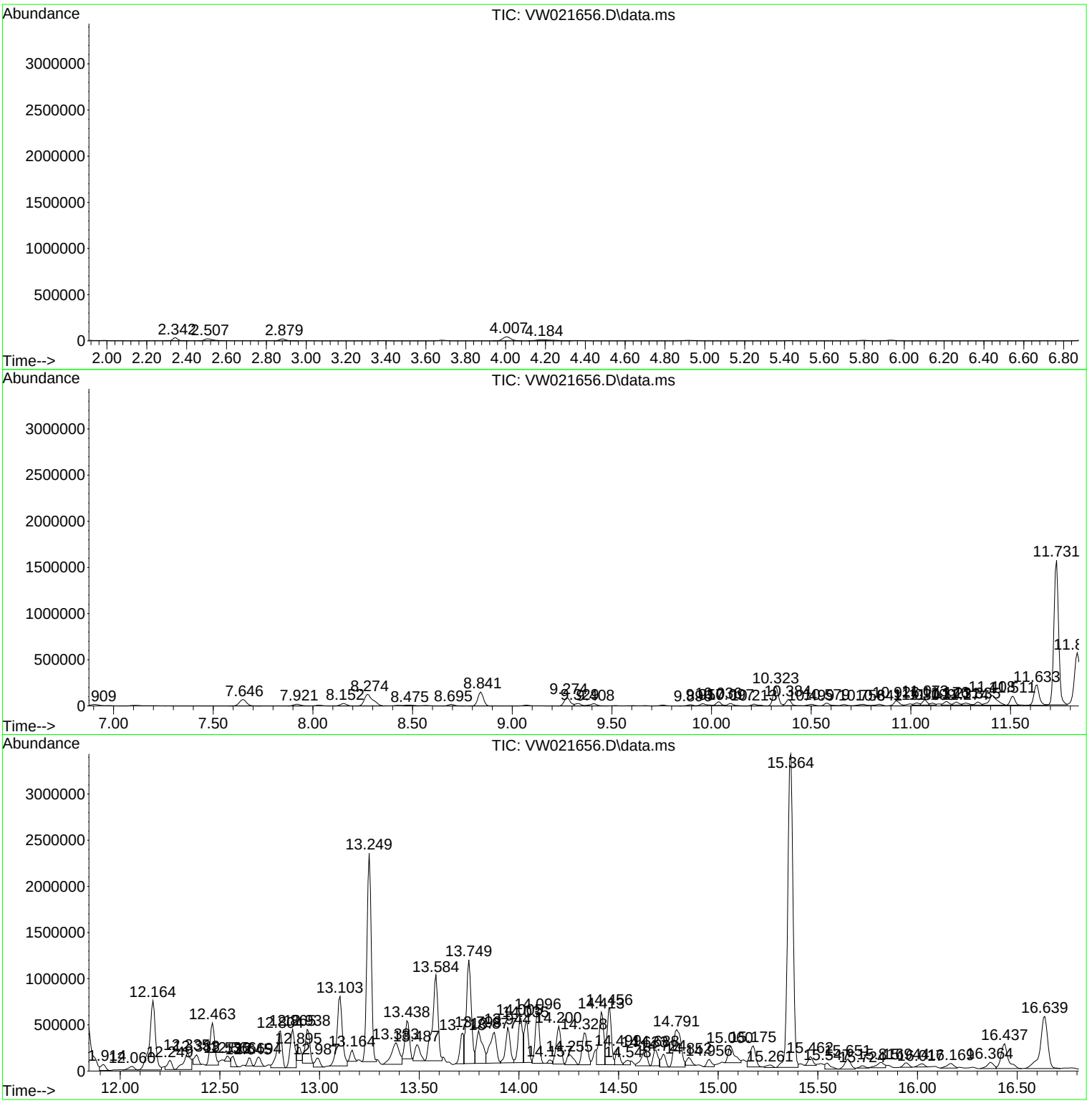
Sum of corrected areas: 45442239

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

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\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

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

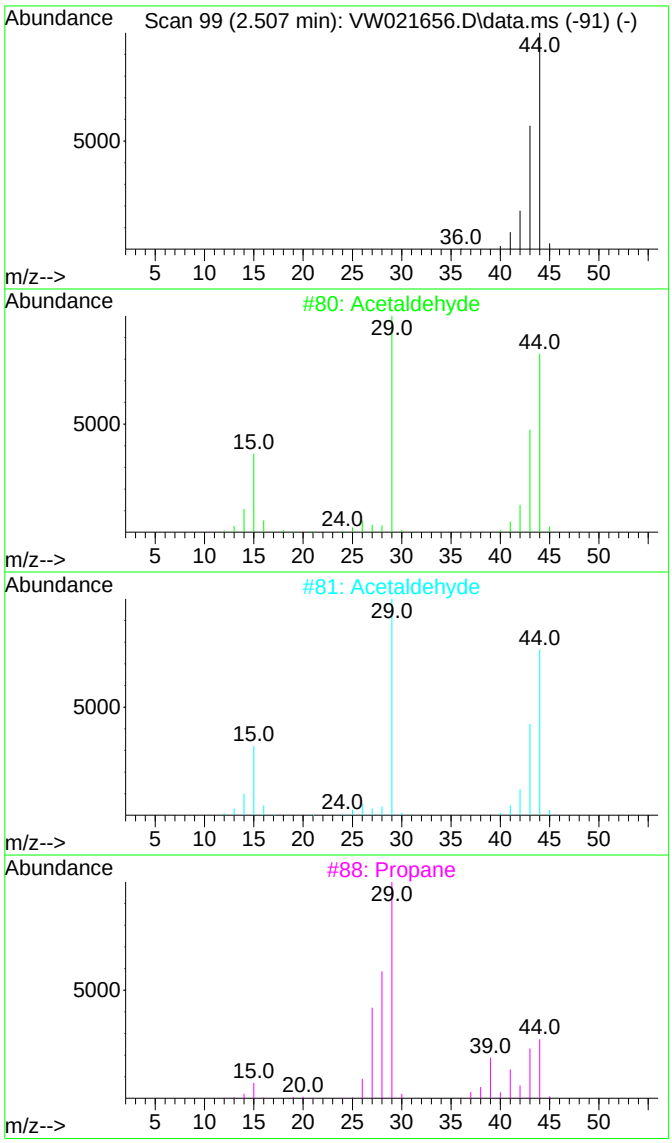
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

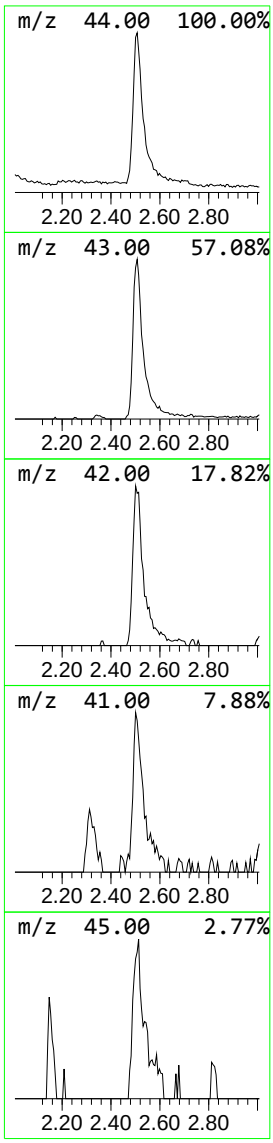
****

Peak Number 1 Acetaldehyde Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.507	5.11 ug/L	60226	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	74
2	Acetaldehyde	44	C2H4O	000075-07-0	74
3	Propane	44	C3H8	000074-98-6	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\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

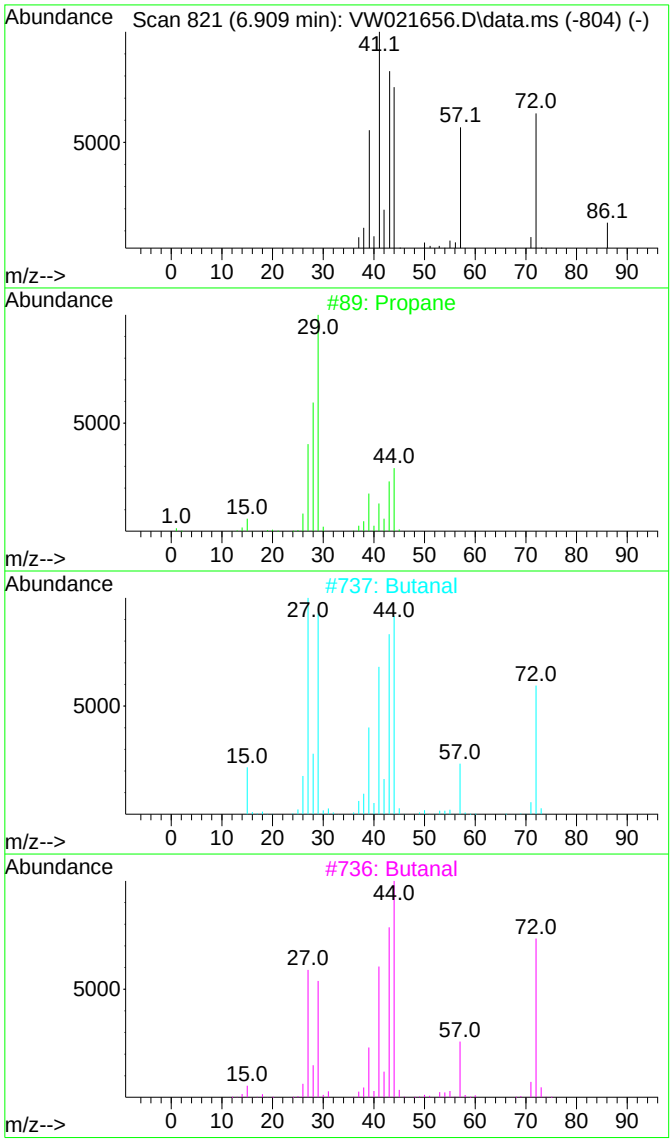
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

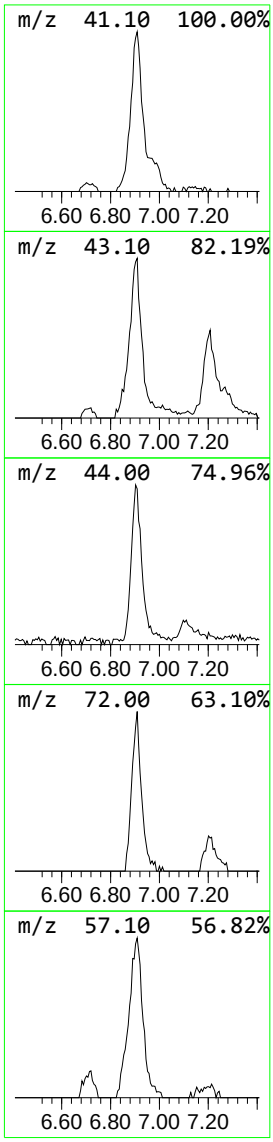
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.909	4.69 ug/L	55233	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	53
2	Butanal	72	C4H8O	000123-72-8	49
3	Butanal	72	C4H8O	000123-72-8	33
4	Propanal, 2-methyl-	72	C4H8O	000078-84-2	32
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

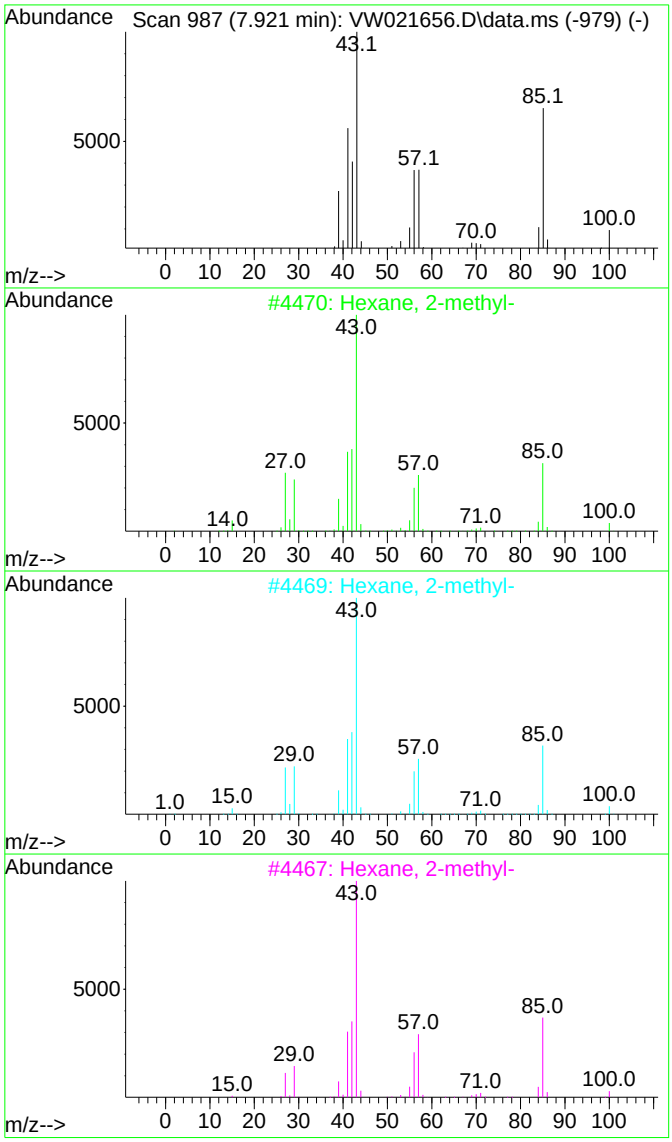
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

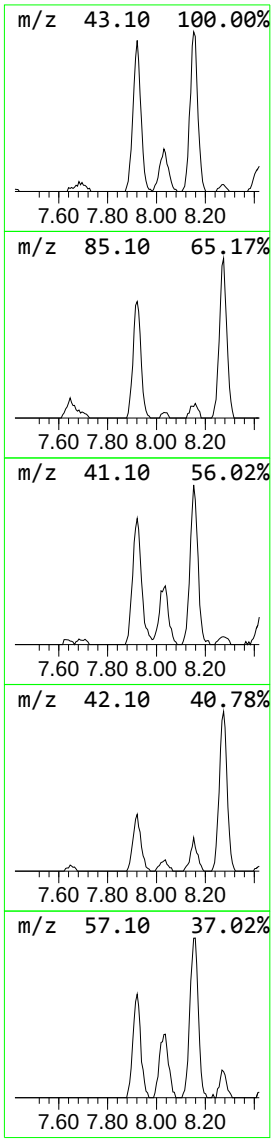
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.921	3.97 ug/L	46738	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	78
4	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	47
5	2-Pyrrolidinone	85	C4H7NO	000616-45-5	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

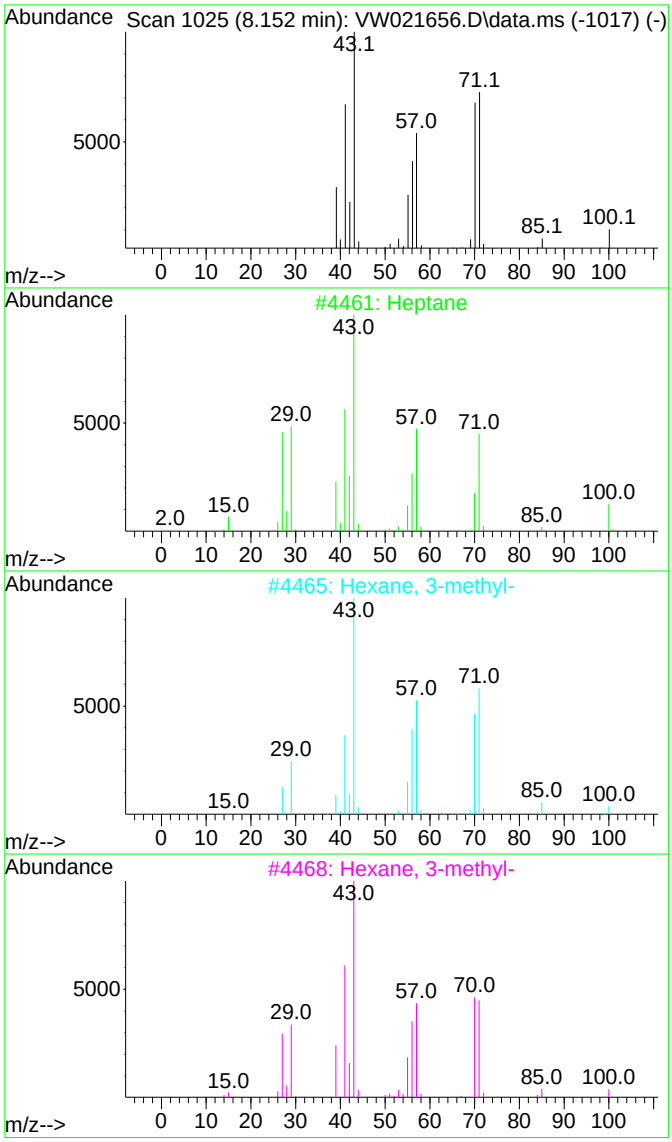
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

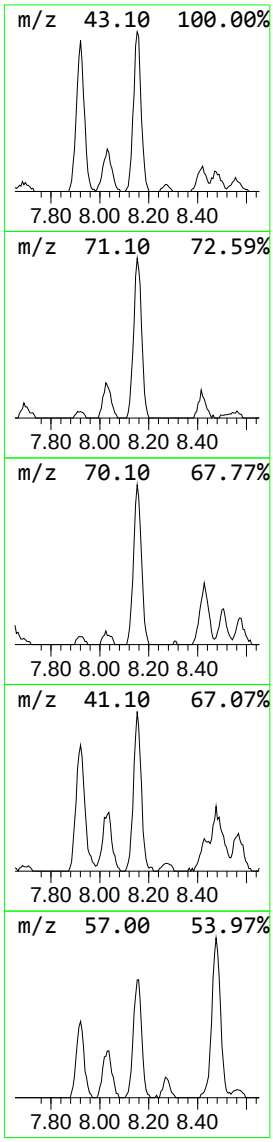
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.152	4.88 ug/L	57481	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	80
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	78
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	78
4	Heptane	100	C7H16	000142-82-5	72
5	Heptane	100	C7H16	000142-82-5	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

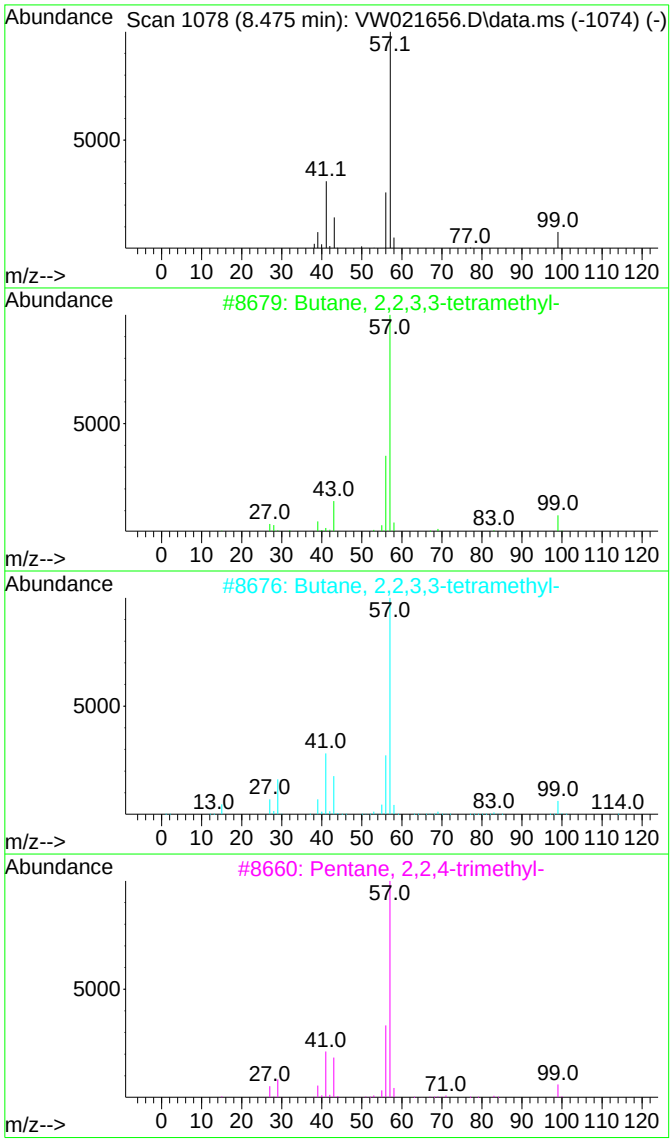
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

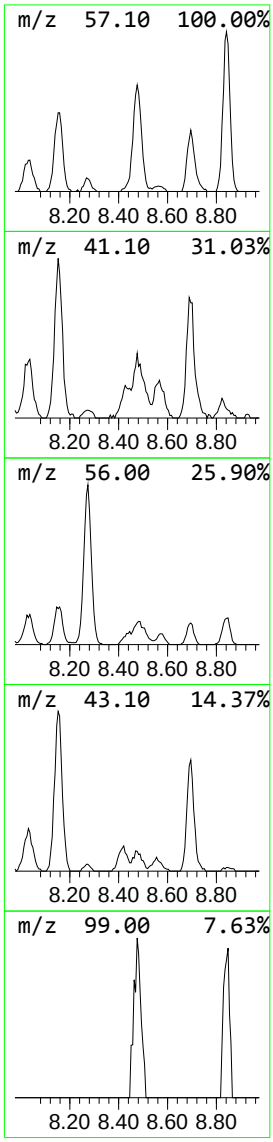
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.475	2.43 ug/L	28643	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	56
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	43
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	40
4	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	40
5	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

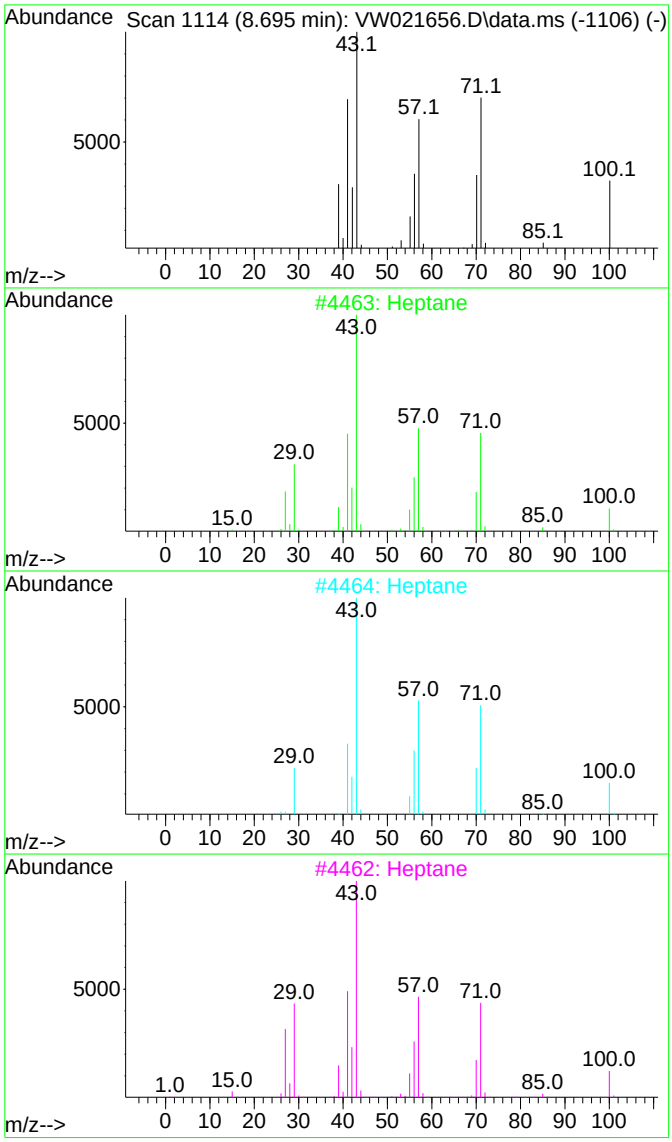
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

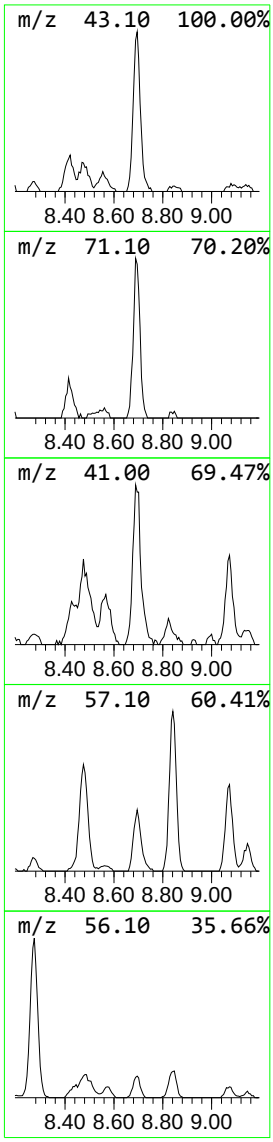
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.695	3.10 ug/L	36526	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Heptane	100	C7H16	000142-82-5	72
3	Heptane	100	C7H16	000142-82-5	64
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	64
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

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

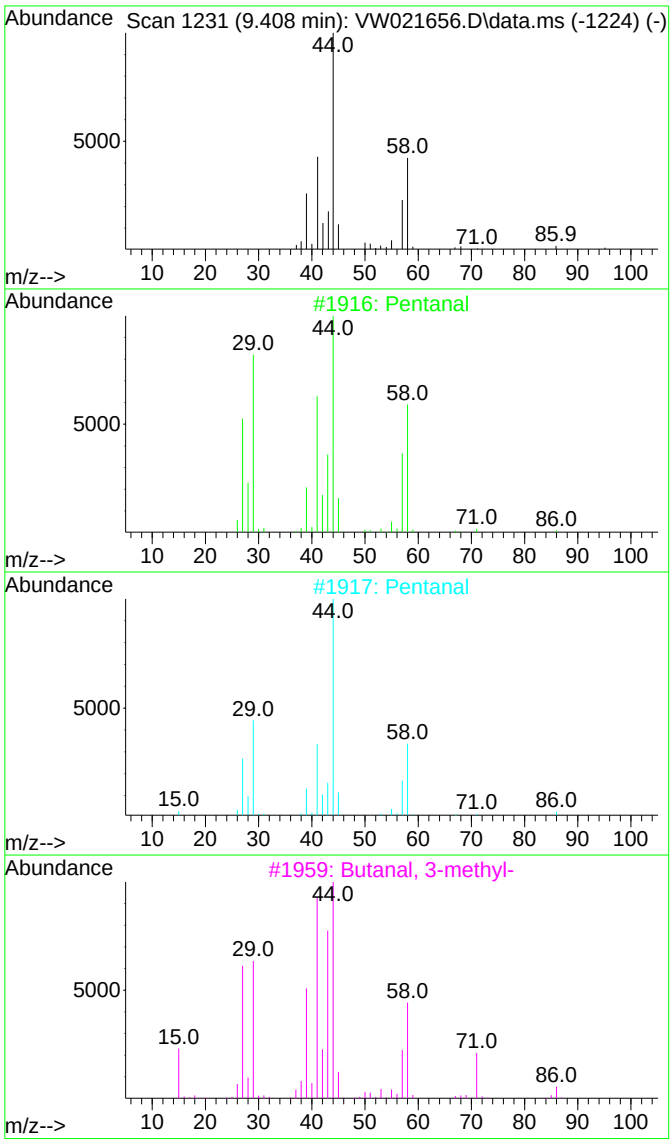
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

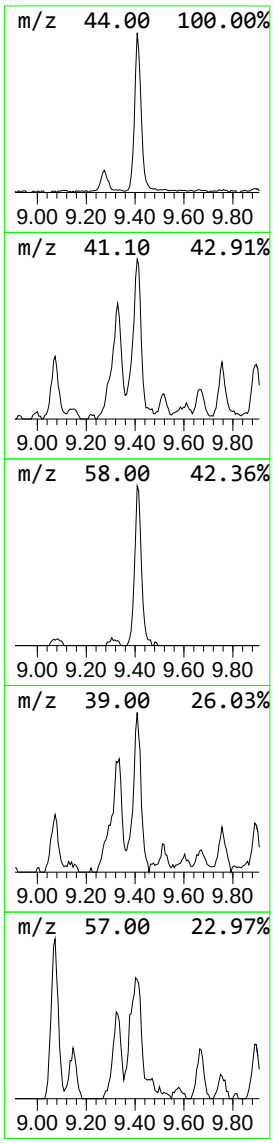
****

Peak Number 7 Pentanal Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.408	4.92 ug/L	57917	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	74
2	Pentanal	86	C5H10O	000110-62-3	64
3	Butanal, 3-methyl-	86	C5H10O	000590-86-3	59
4	Pentanal	86	C5H10O	000110-62-3	56
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	39





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

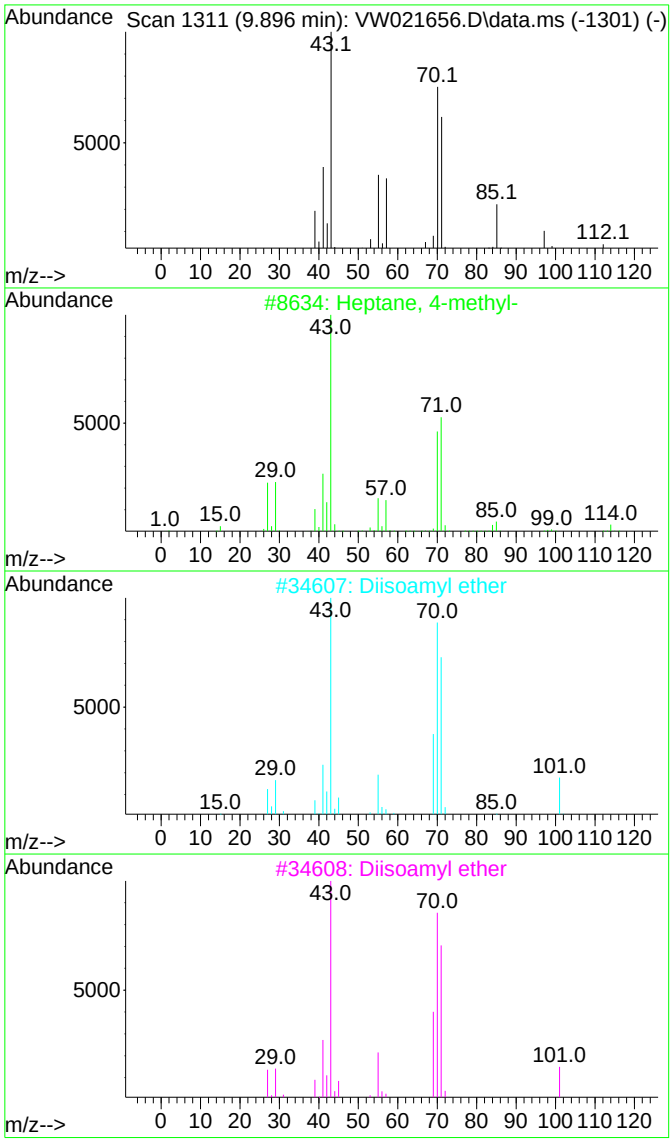
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

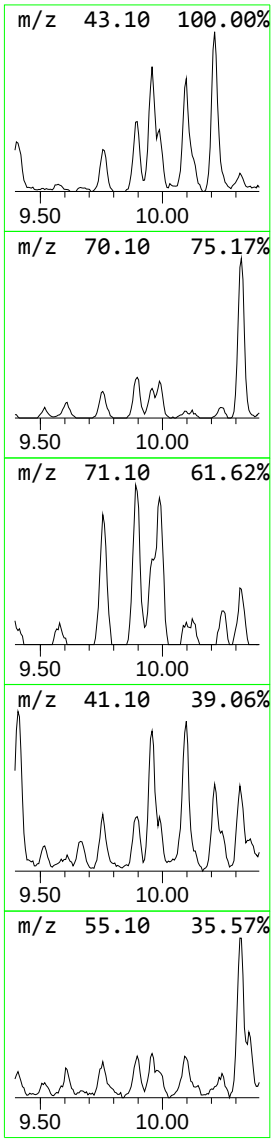
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.896	2.36 ug/L	27821	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
2	Diisoamyl ether	158	C10H22O	000544-01-4	59
3	Diisoamyl ether	158	C10H22O	000544-01-4	59
4	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	59
5	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

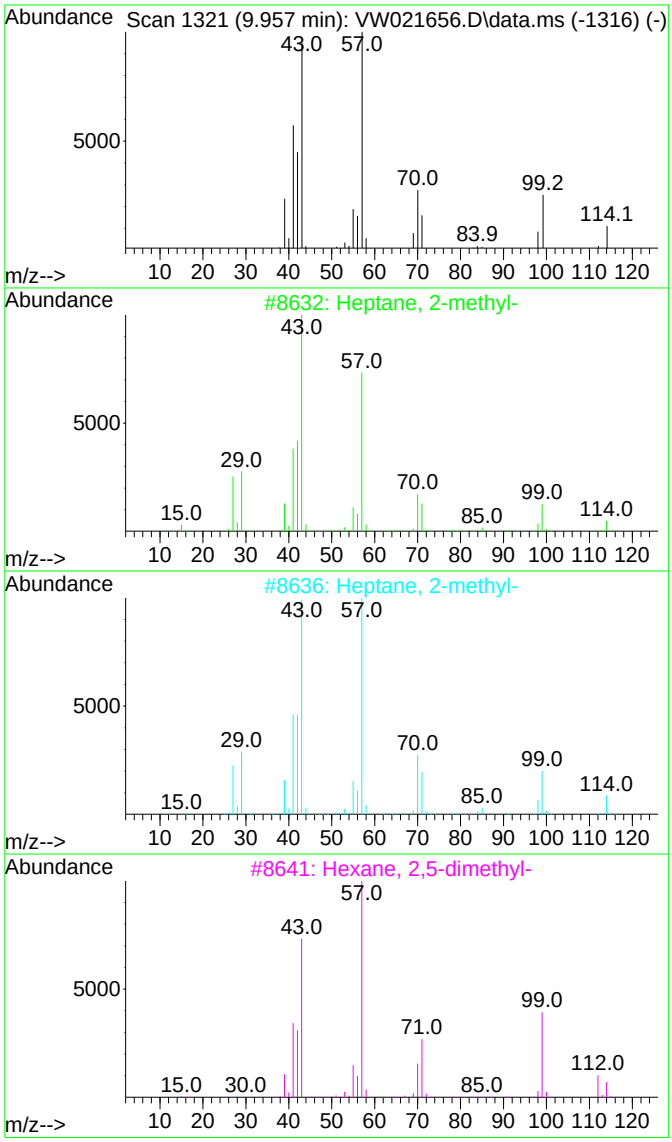
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

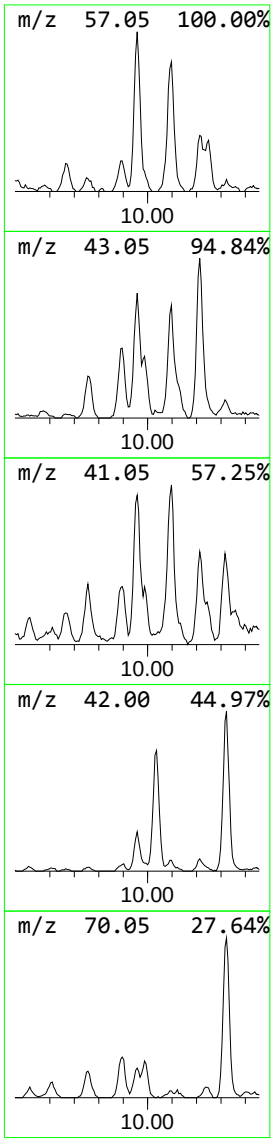
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.957	3.60 ug/L	42354	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	83
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	52
4	Heptane, 2-methyl-	114	C8H18	000592-27-8	50
5	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

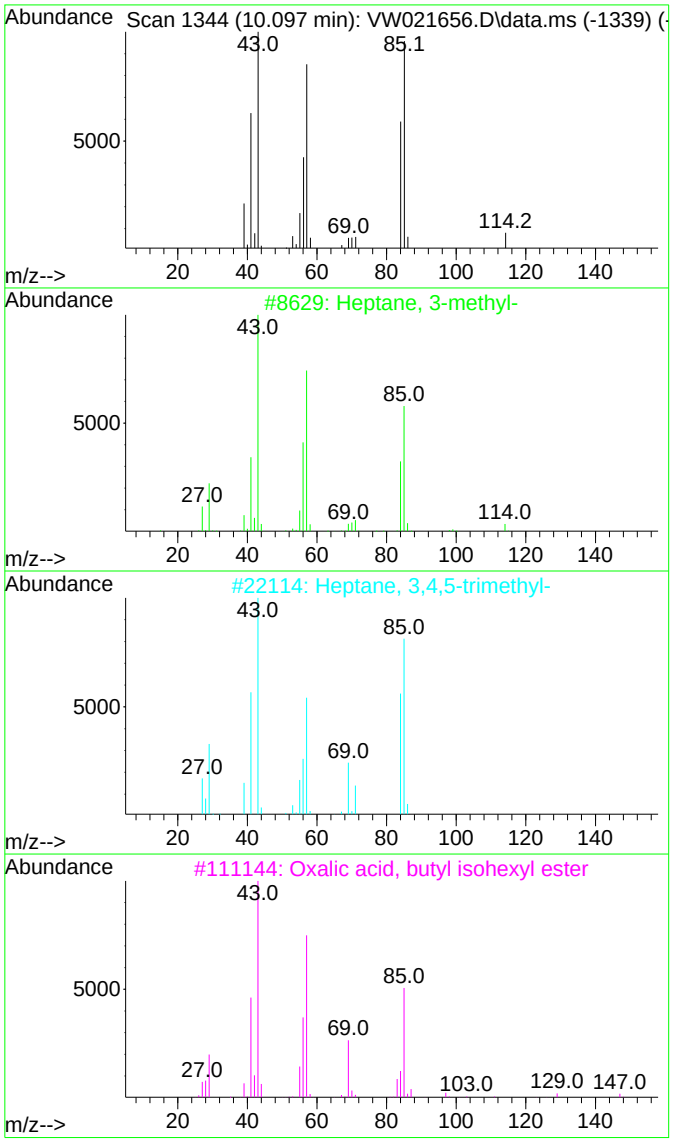
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

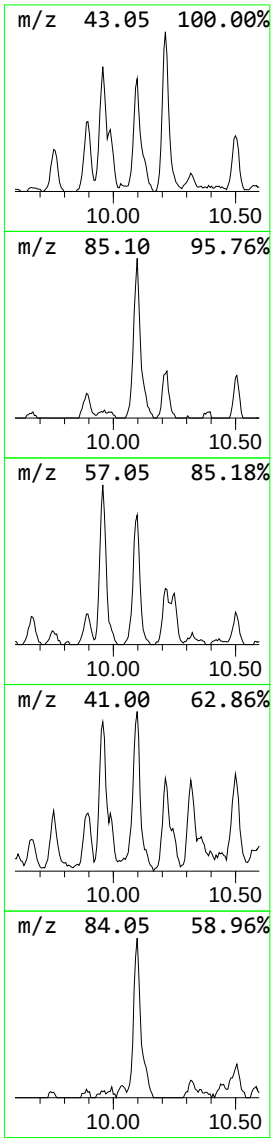
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.097	4.92 ug/L	57972	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	78
3	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64
4	Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	59
5	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

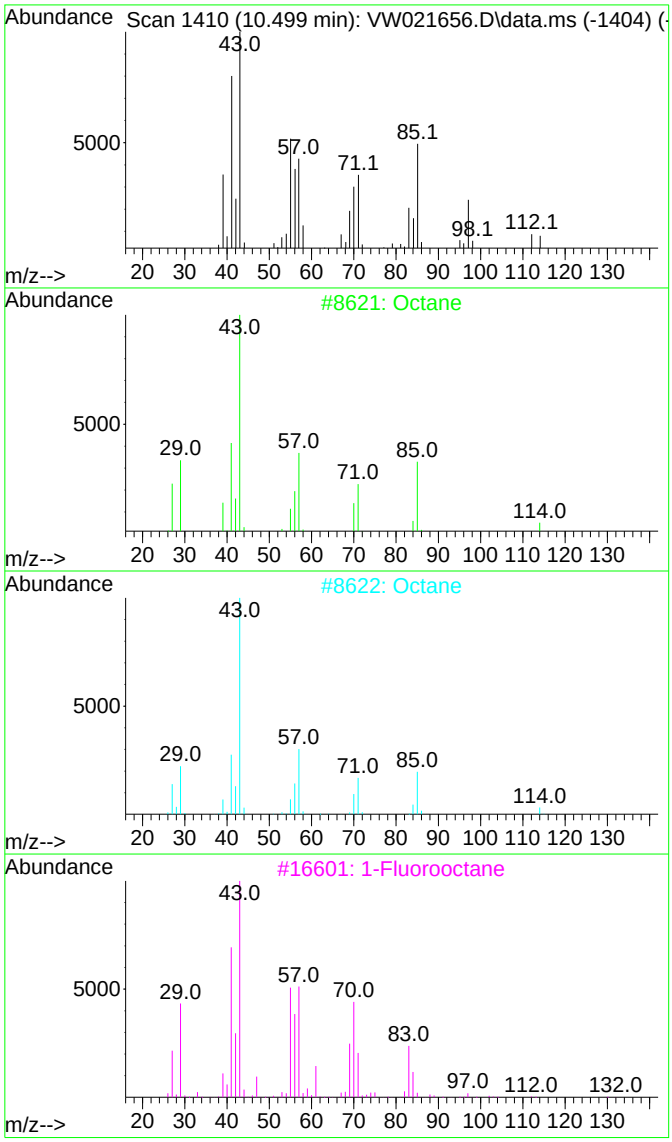
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

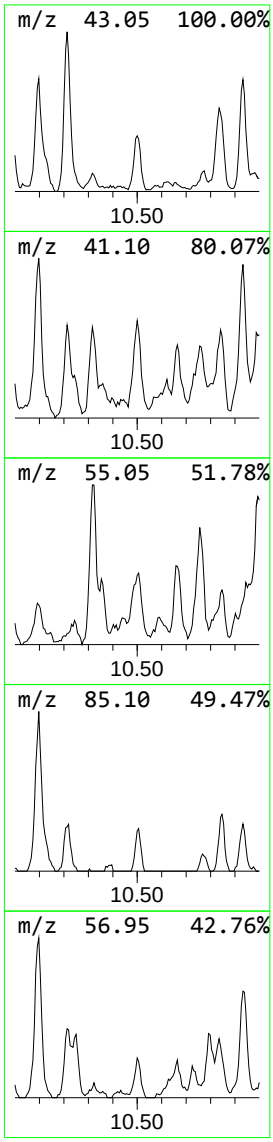
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.499	2.21 ug/L	36070	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	76
2	Octane	114	C8H18	000111-65-9	58
3	1-Fluorooctane	132	C8H17F	000463-11-6	47
4	1-Octene	112	C8H16	000111-66-0	46
5	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

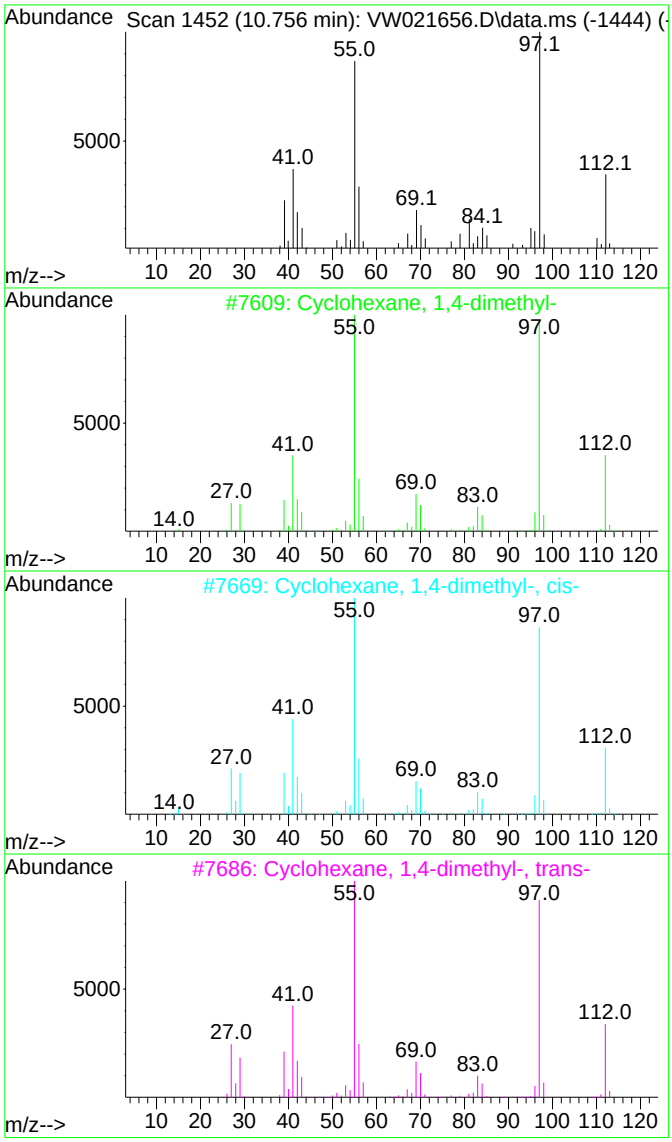
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

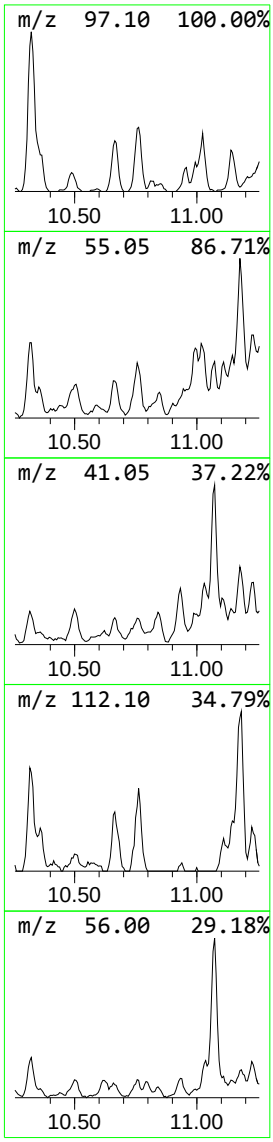
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Cyclic10.756 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.756	2.40 ug/L	39167	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	91
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	89
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	89
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

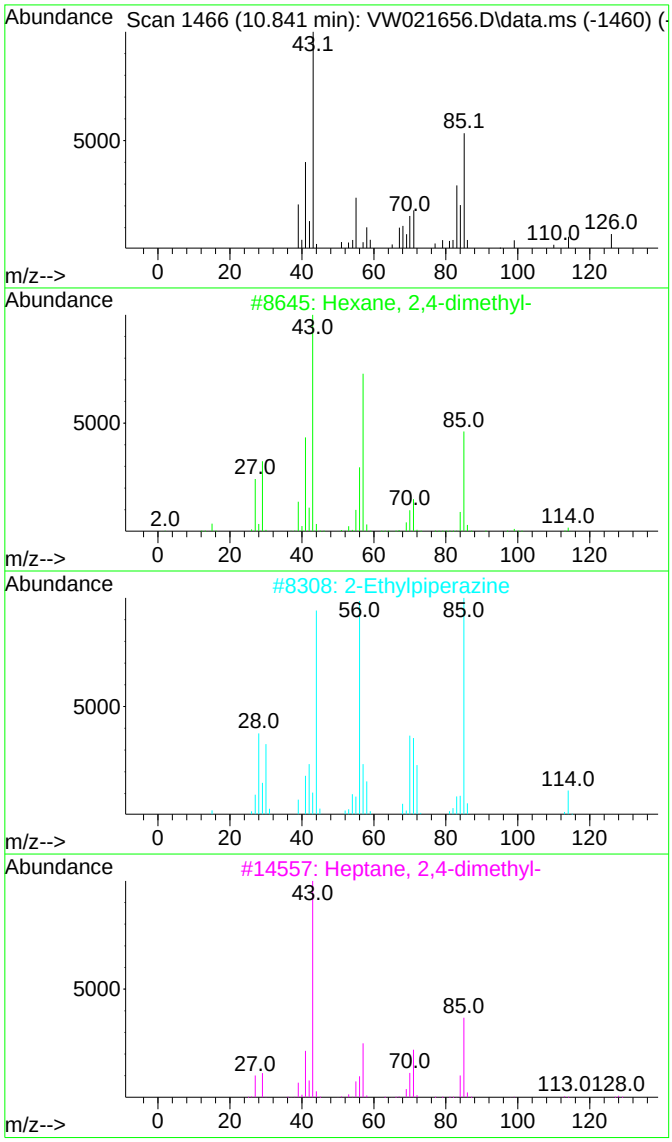
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

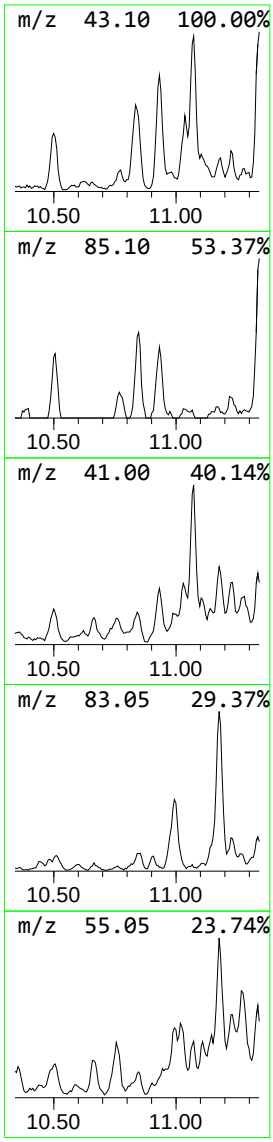
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.841	2.43 ug/L	39765	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	47
2	2-Ethylpiperazine	114	C6H14N2	013961-37-0	46
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	43
4	2-Butyl-1,2-oxaborolane	126	C7H15BO	005357-13-1	43
5	Octane	114	C8H18	000111-65-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

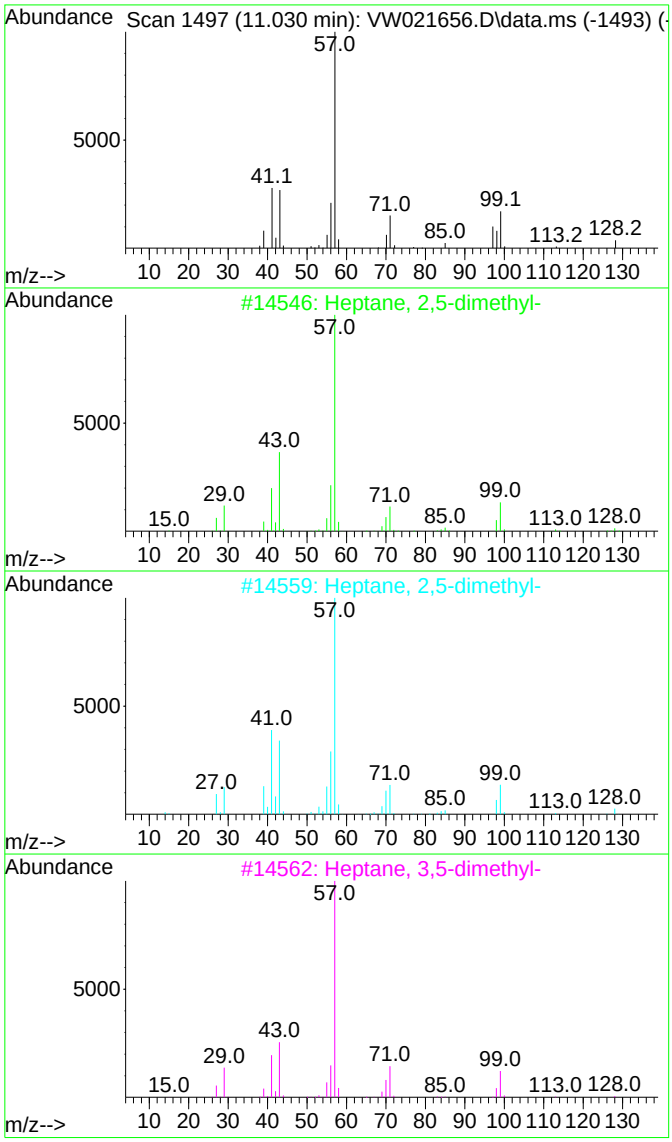
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

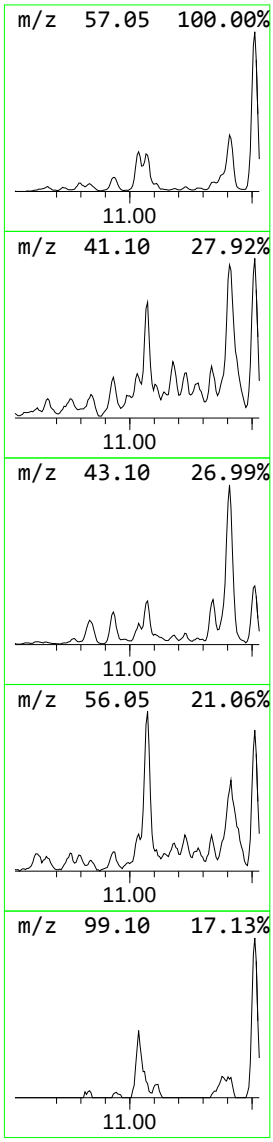
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.030	2.66 ug/L	43462	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	59
4	Octane, 3-methyl-	128	C9H20	002216-33-3	53
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

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

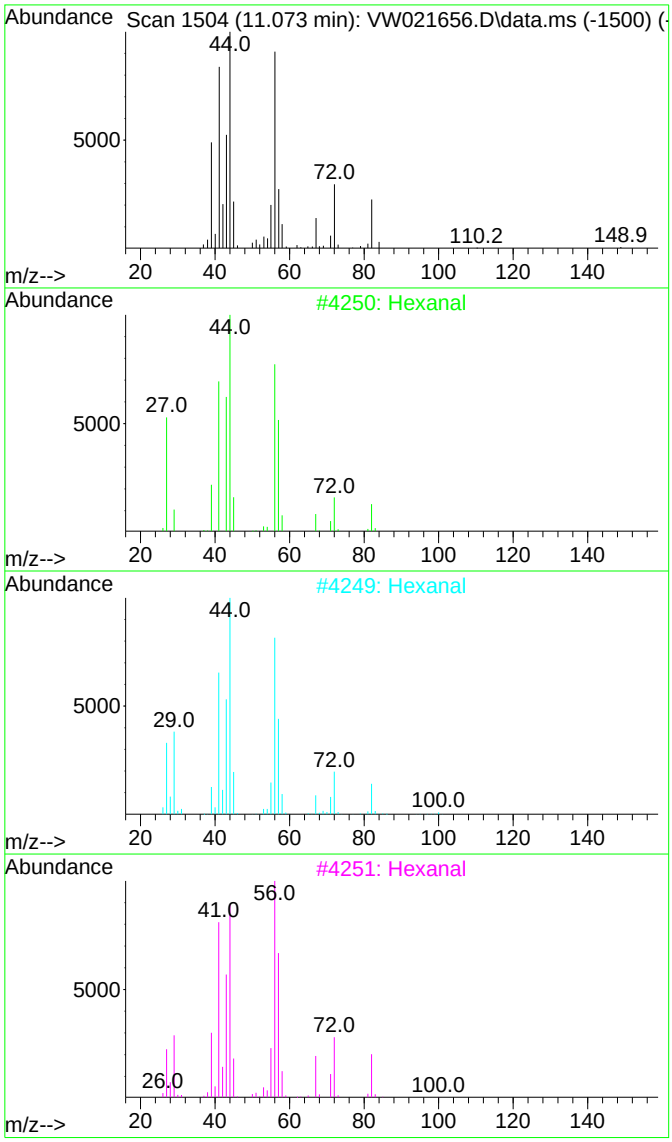
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

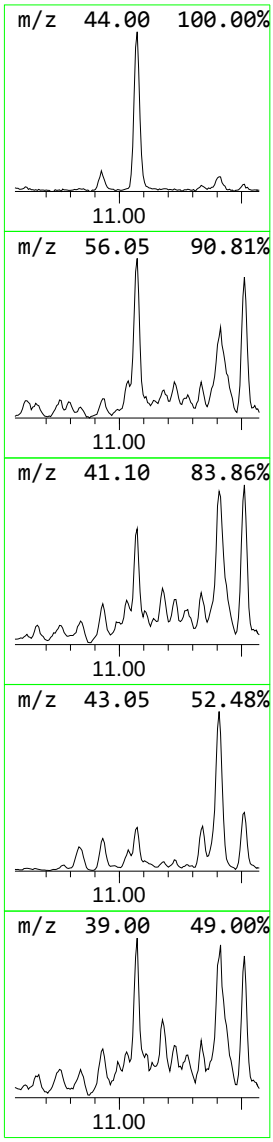
****

Peak Number 16 Hexanal Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.073	5.40 ug/L	88281	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	53
2	Hexanal	100	C6H12O	000066-25-1	50
3	Hexanal	100	C6H12O	000066-25-1	50
4	Hexanal	100	C6H12O	000066-25-1	45
5	Hexanal	100	C6H12O	000066-25-1	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

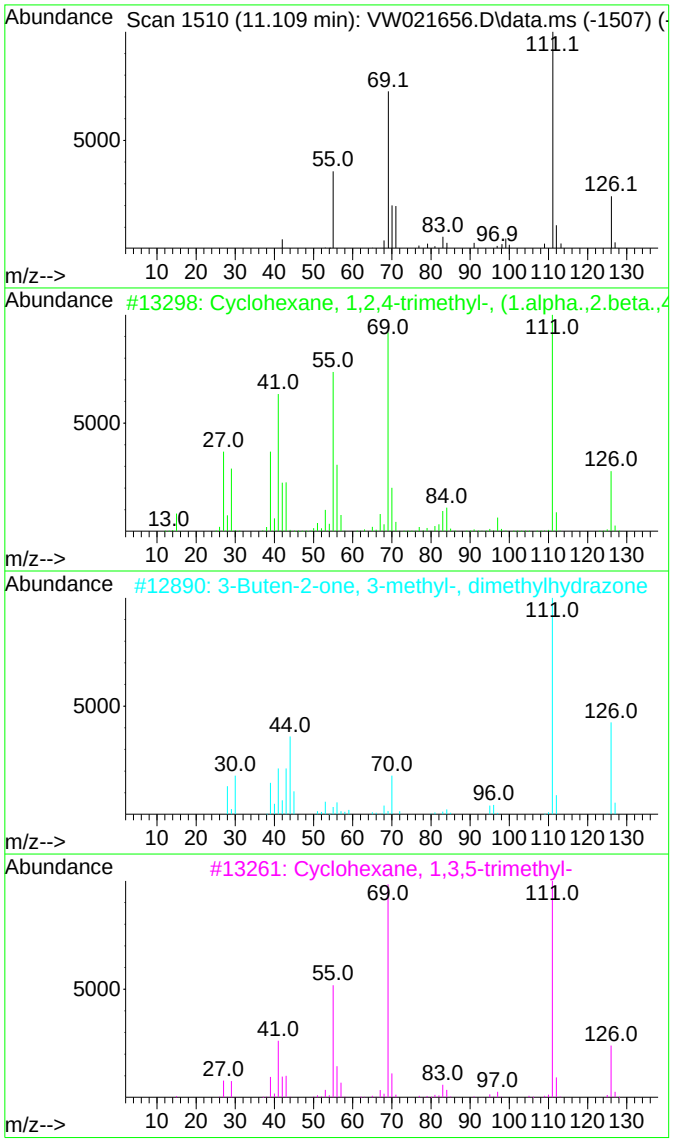
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

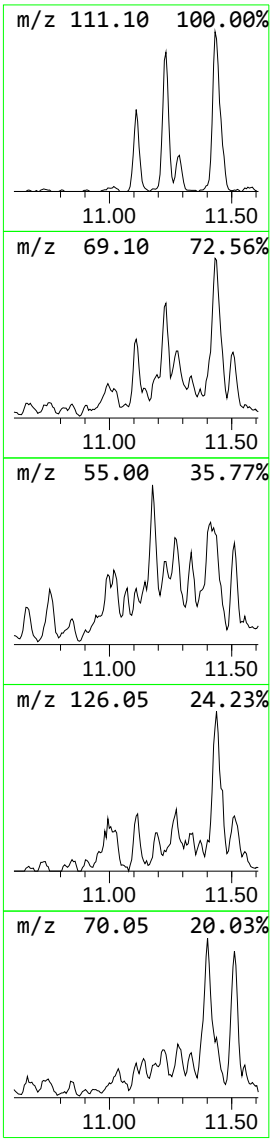
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Cyclic11.109 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.109	2.05 ug/L	33489	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	64
2	3-Buten-2-one, 3-methyl-, dimeth...	126	C7H14N2	075268-10-9	59
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	58
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	53
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

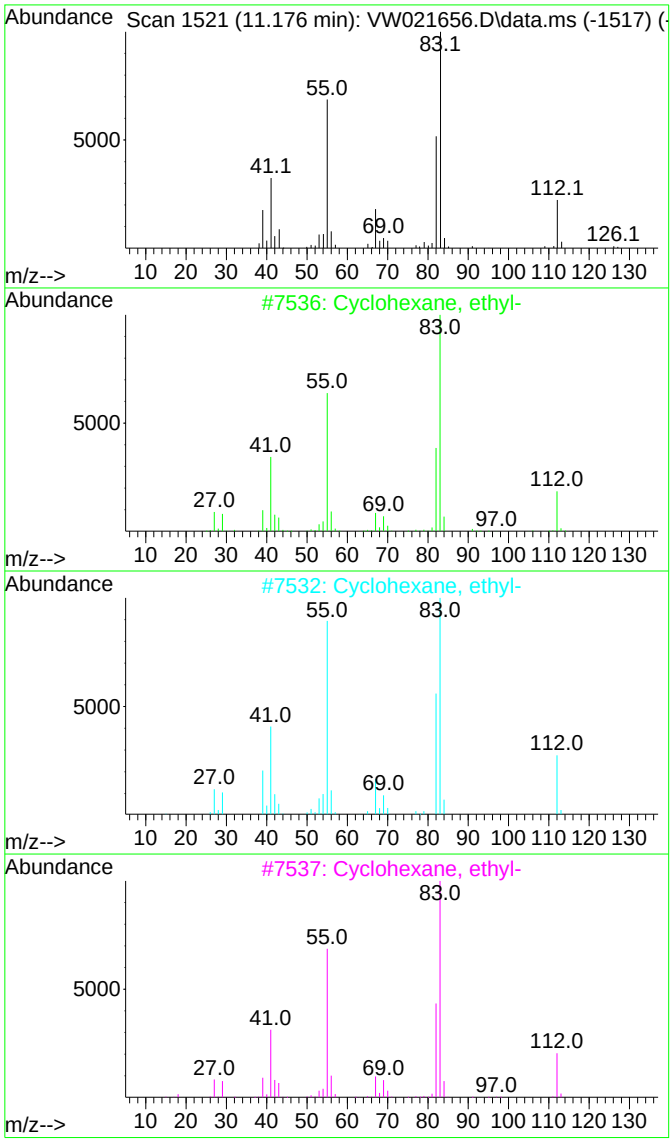
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

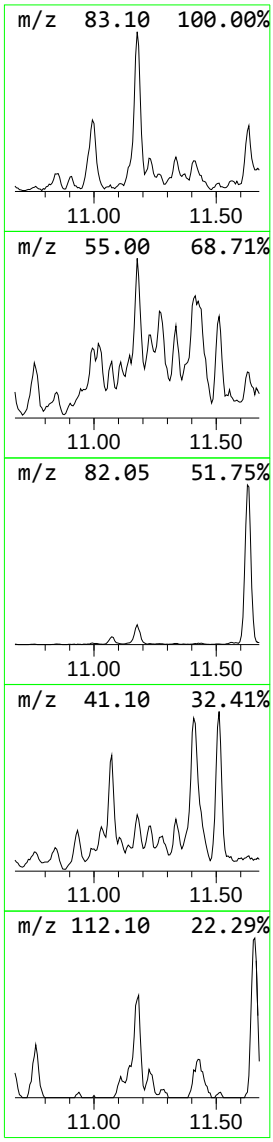
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Cyclic11.176 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.176	4.47 ug/L	73083	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	83
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	83
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

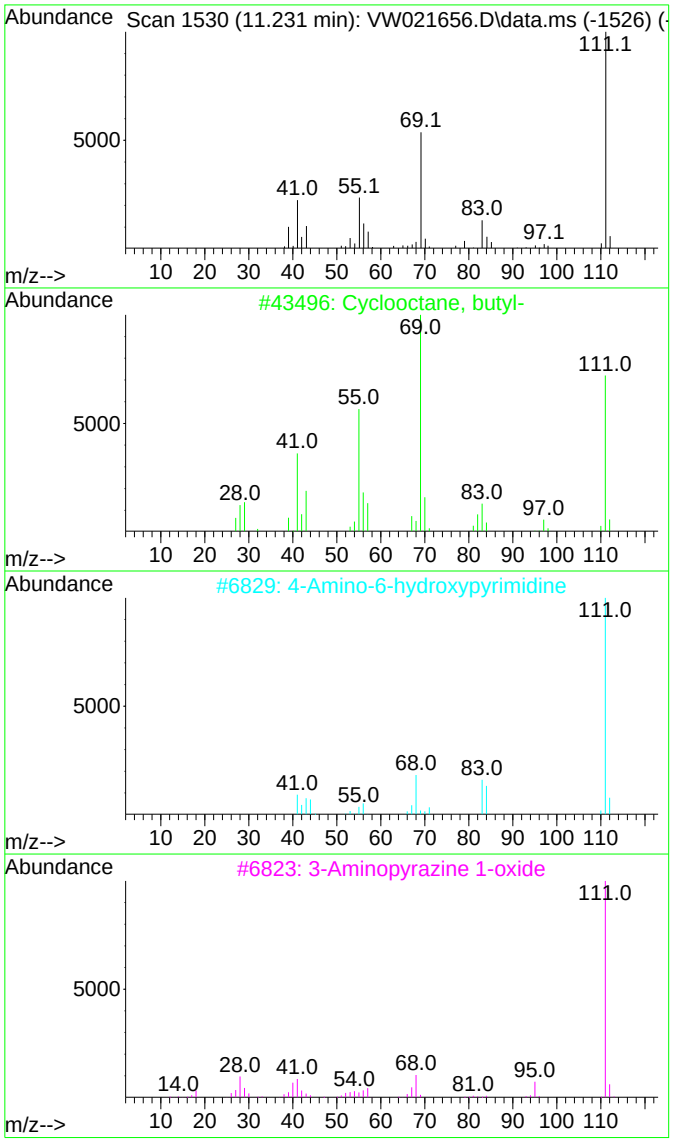
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

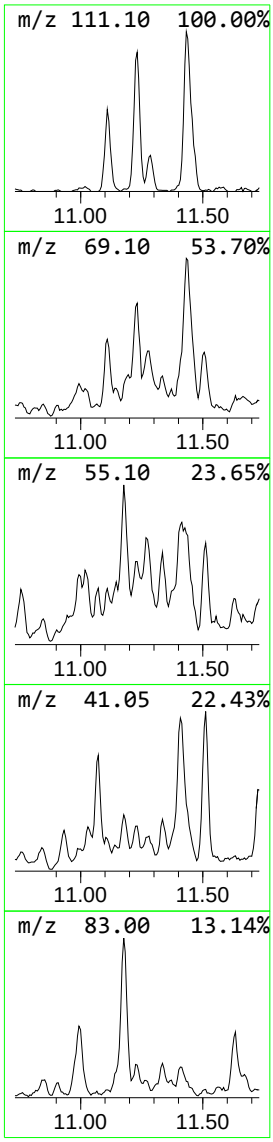
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Cyclic11.231 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.231	3.61 ug/L	59014	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, butyl-	168	C12H24	016538-93-5	74
2	4-Amino-6-hydroxypyrimidine	111	C4H5N3O	001193-22-2	64
3	3-Aminopyrazine 1-oxide	111	C4H5N3O	006863-77-0	53
4	1-Aminocyclopropanecarboxylic ac...	156	C7H12N2O2	1000375-50-8	50
5	Cyclooctane, tetradecyl-	308	C22H44	149003-36-1	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

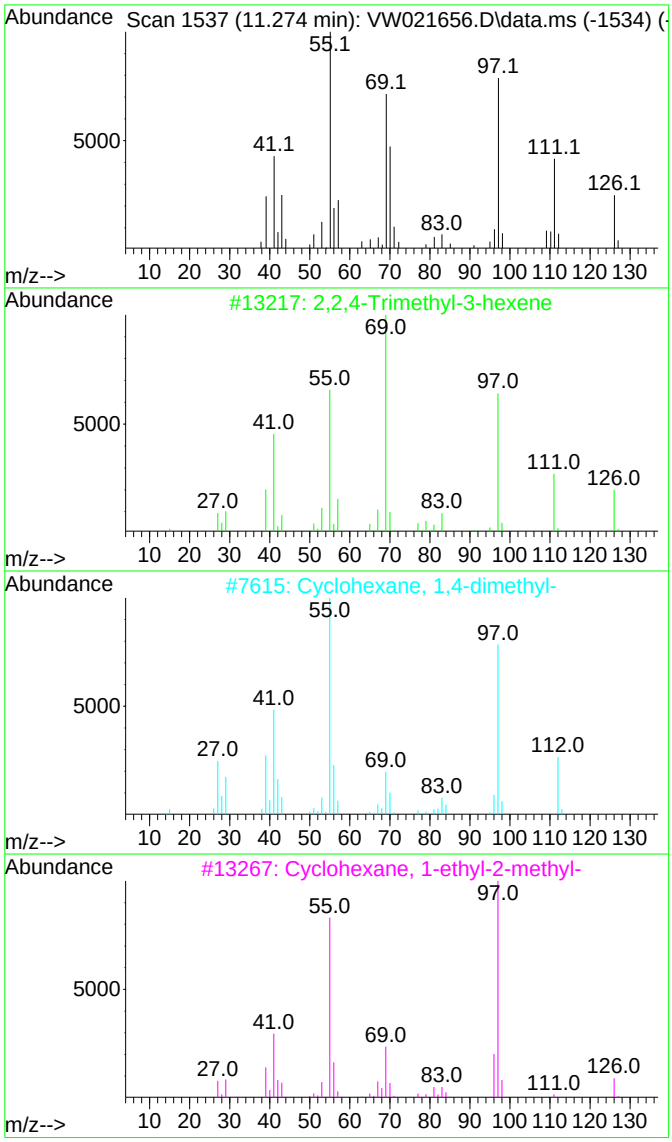
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

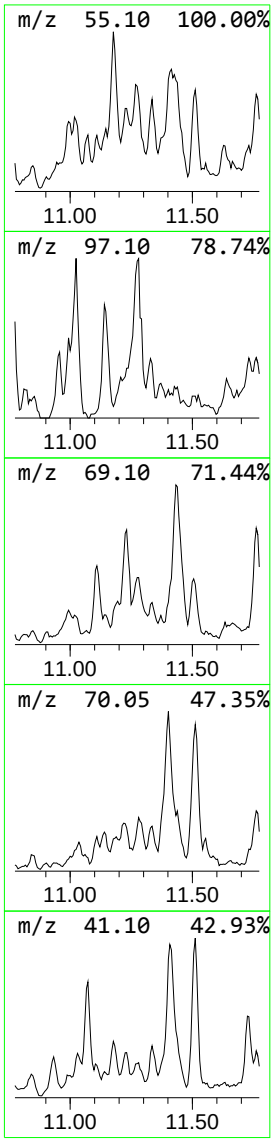
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.274	2.62 ug/L	42831	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,4-Trimethyl-3-hexene	126	C9H18	059643-72-0	58
2	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	53
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	49
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	43
5	3-Heptene, 3-ethyl-	126	C9H18	074764-46-8	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

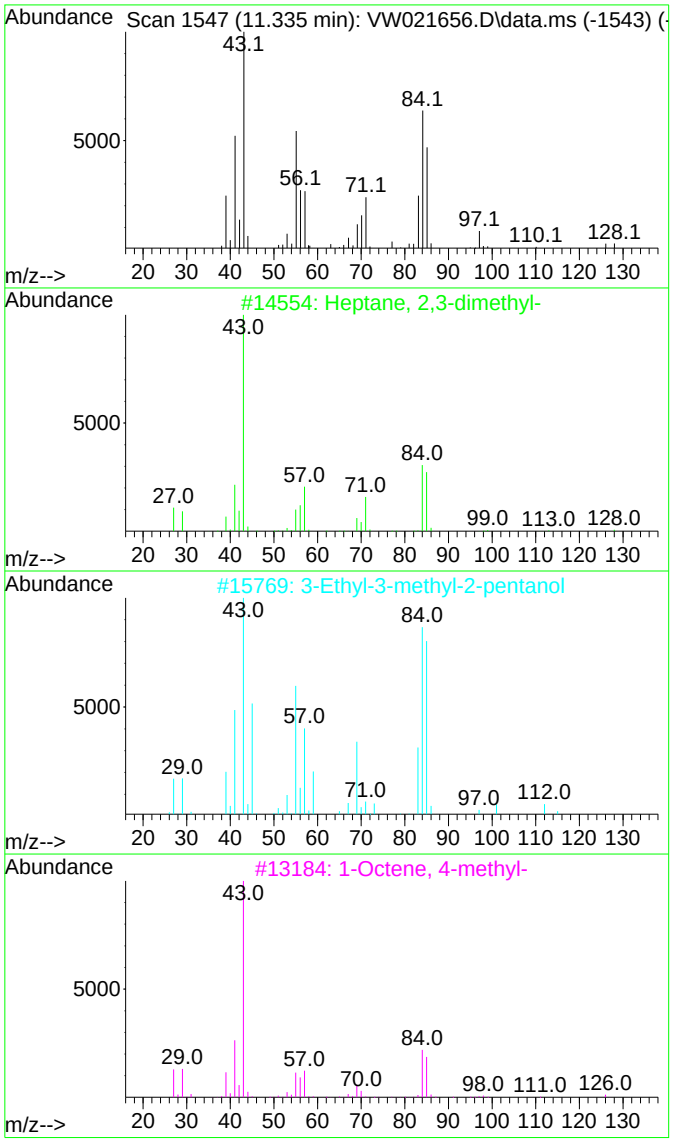
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

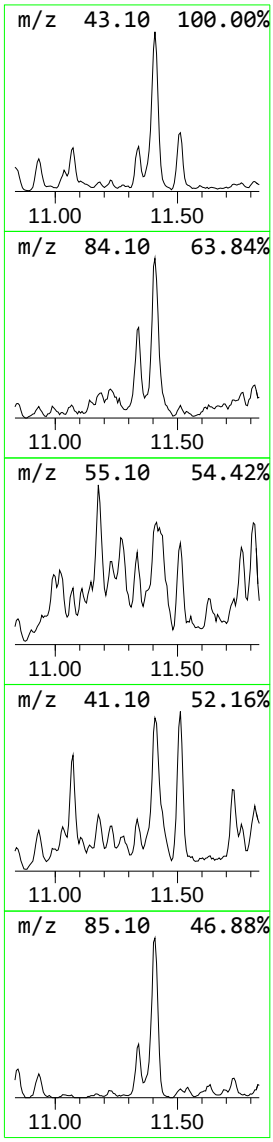
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.335	3.25 ug/L	53188	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	59
2	3-Ethyl-3-methyl-2-pentanol	130	C8H18O	066576-22-5	53
3	1-Octene, 4-methyl-	126	C9H18	013151-12-7	53
4	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	52
5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

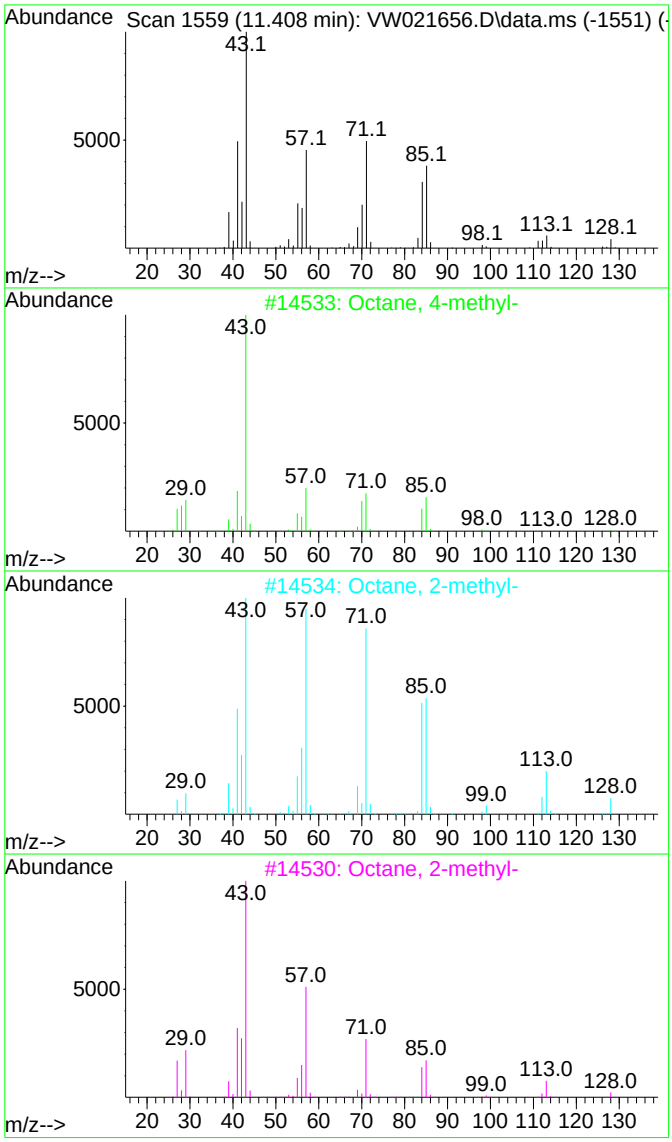
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

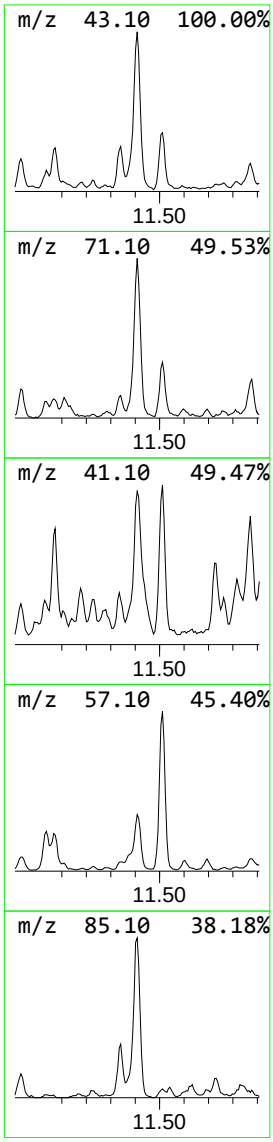
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.408	18.14 ug/L	296493	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	59
2	Octane, 2-methyl-	128	C9H20	003221-61-2	58
3	Octane, 2-methyl-	128	C9H20	003221-61-2	58
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

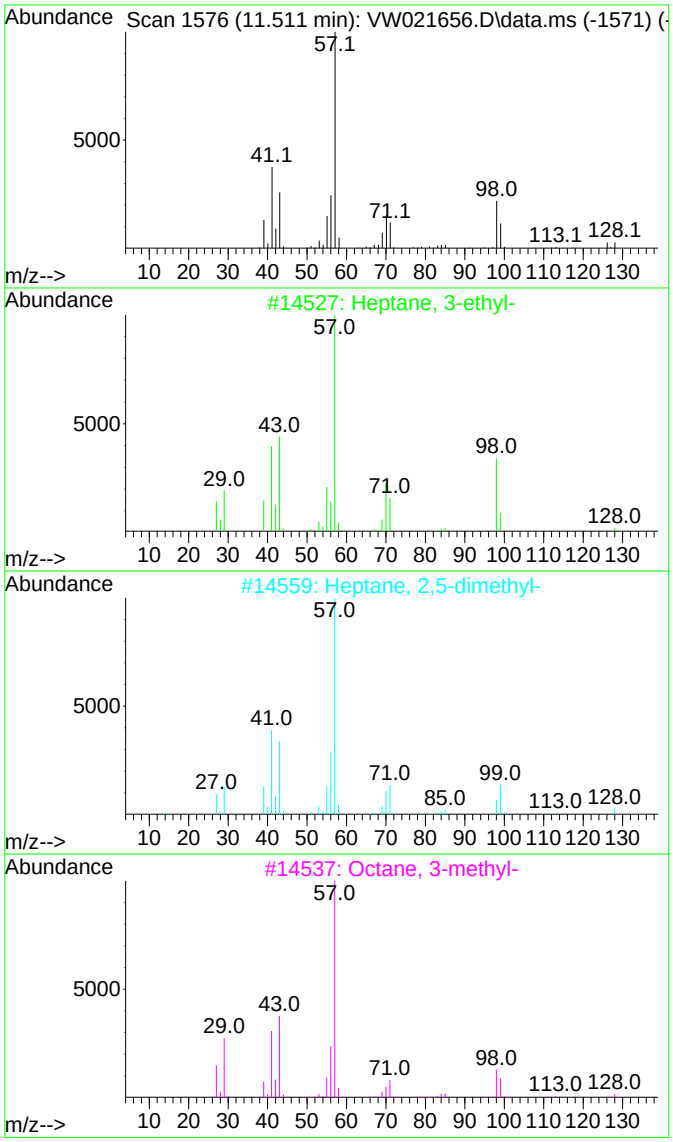
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

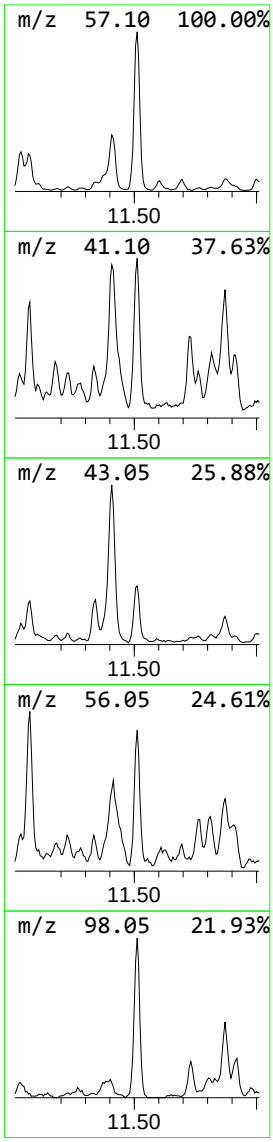
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	9.60 ug/L	156893	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-	128	C9H20	015869-80-4	81
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
3	Octane, 3-methyl-	128	C9H20	002216-33-3	72
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	72
5	Octane, 3-methyl-	128	C9H20	002216-33-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

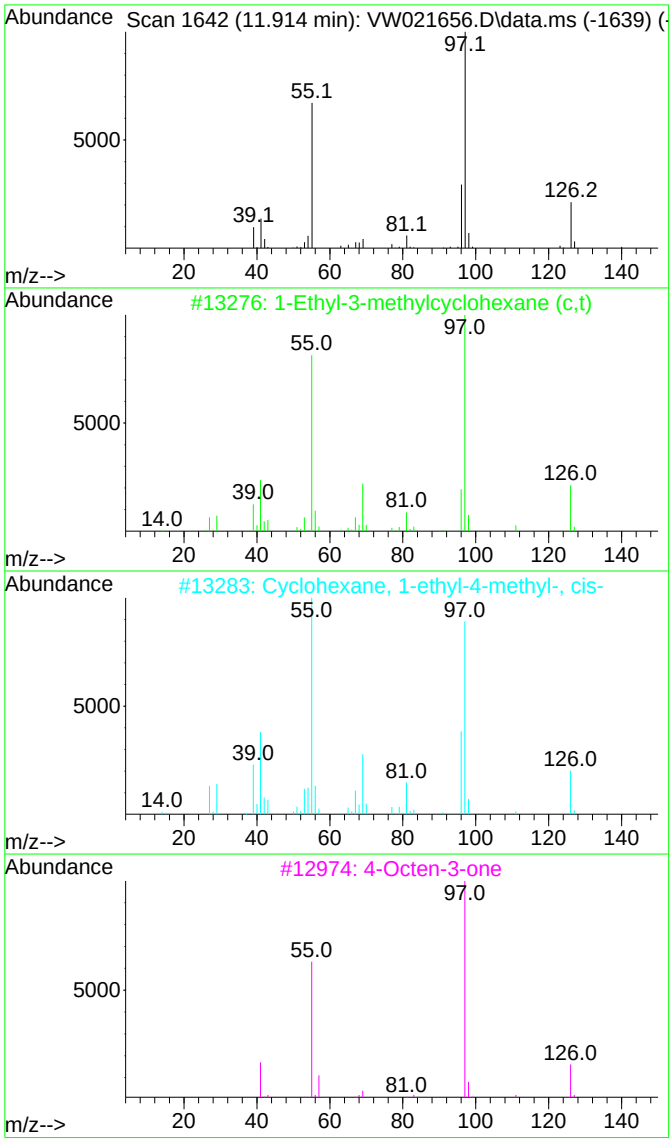
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

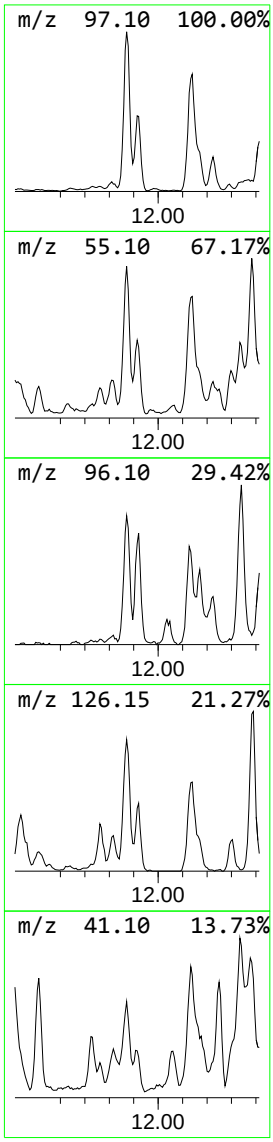
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.914	6.40 ug/L	104689	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	64
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64
3	4-Octen-3-one	126	C8H14O	014129-48-7	64
4	trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	56
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

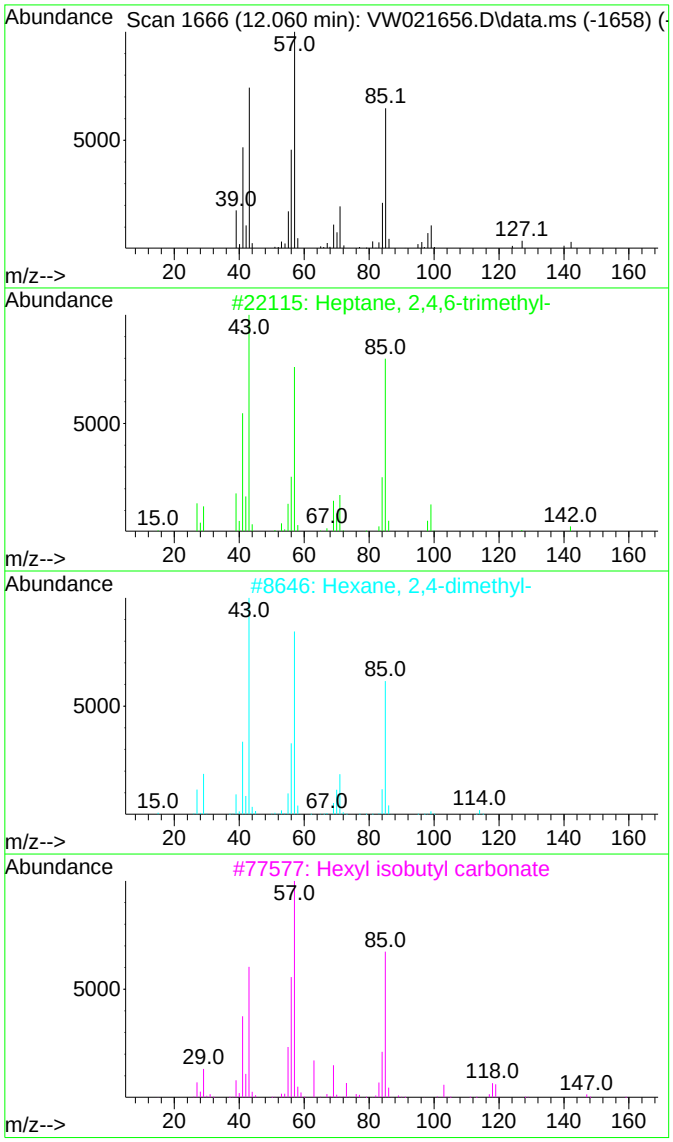
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

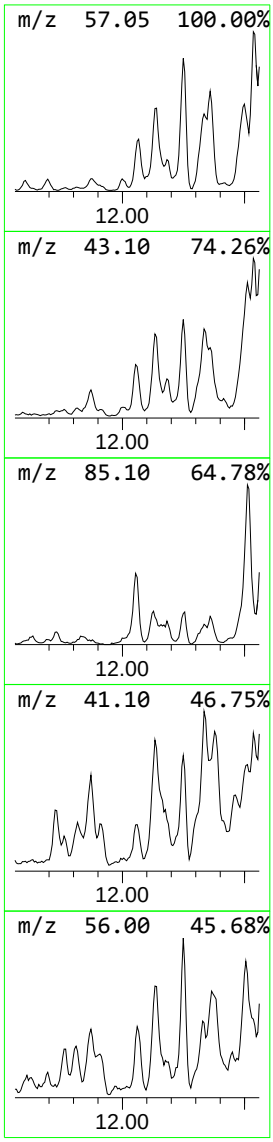
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.060	4.76 ug/L	77739	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	64
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
3	Hexyl isobutyl carbonate	202	C11H22O3	959067-98-2	59
4	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	59
5	Oxalic acid, isobutyl hexyl ester	230	C12H22O4	1000309-37-1	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

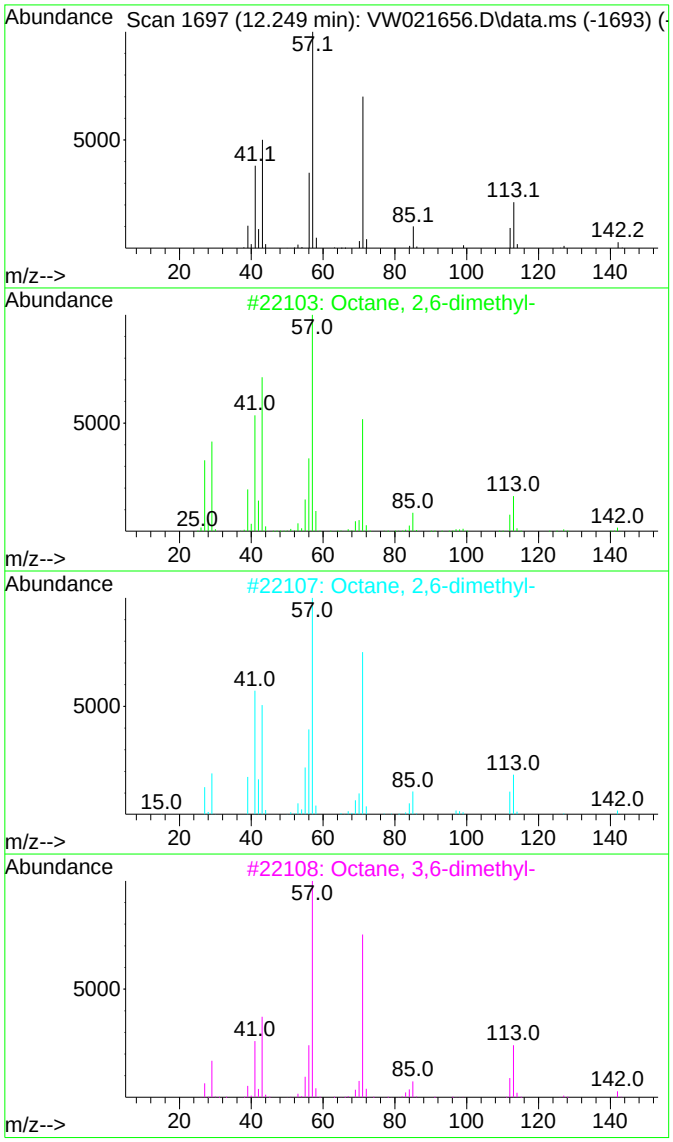
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

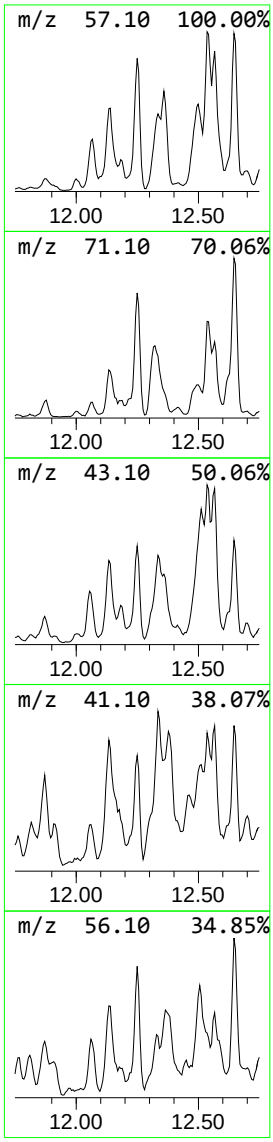
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Cyclic12.249 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.249	9.50 ug/L	155315	Chlorobenzene-d5	11.633

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\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

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

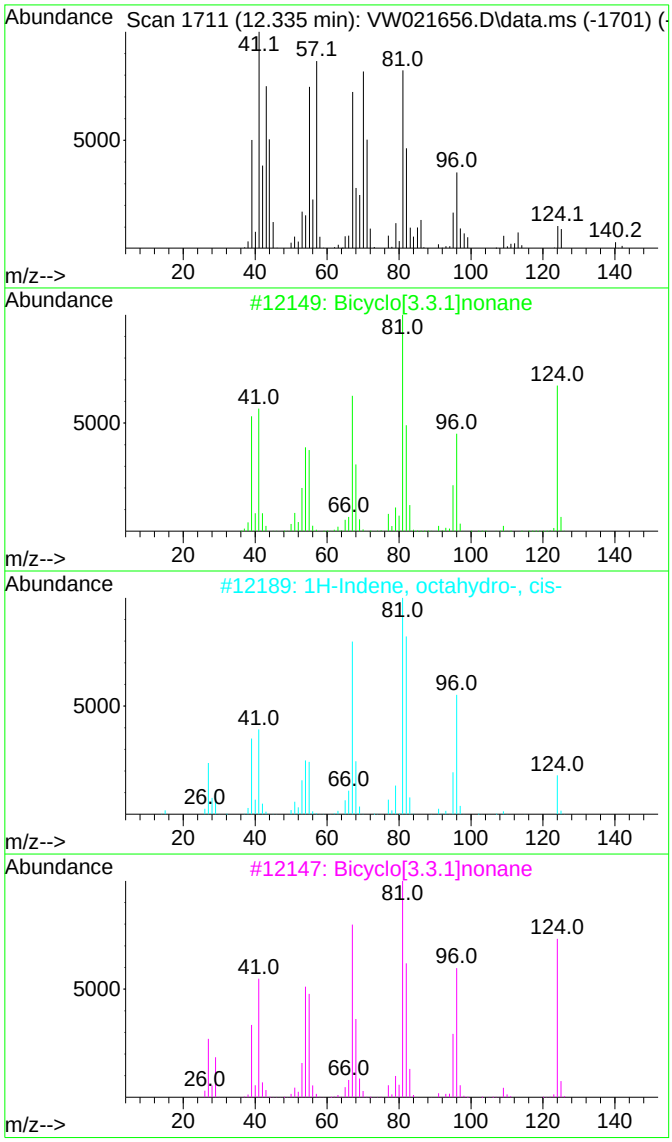
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

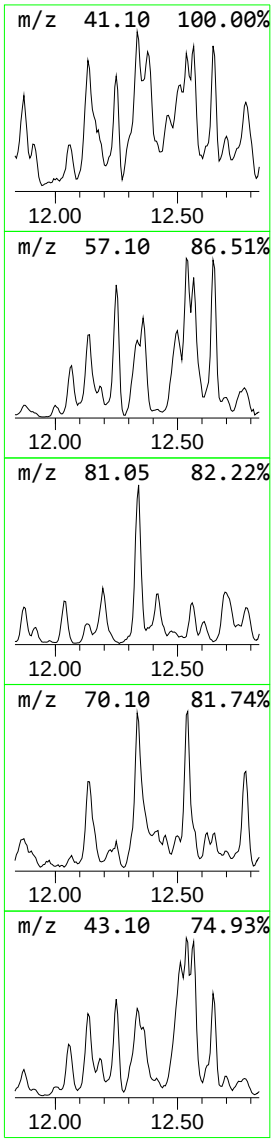
****

Peak Number 27 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.335	27.34 ug/L	446840	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	46
2	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	41
3	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	41
4	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	30
5	Cyclohexanol, 3-methyl-	114	C7H14O	000591-23-1	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

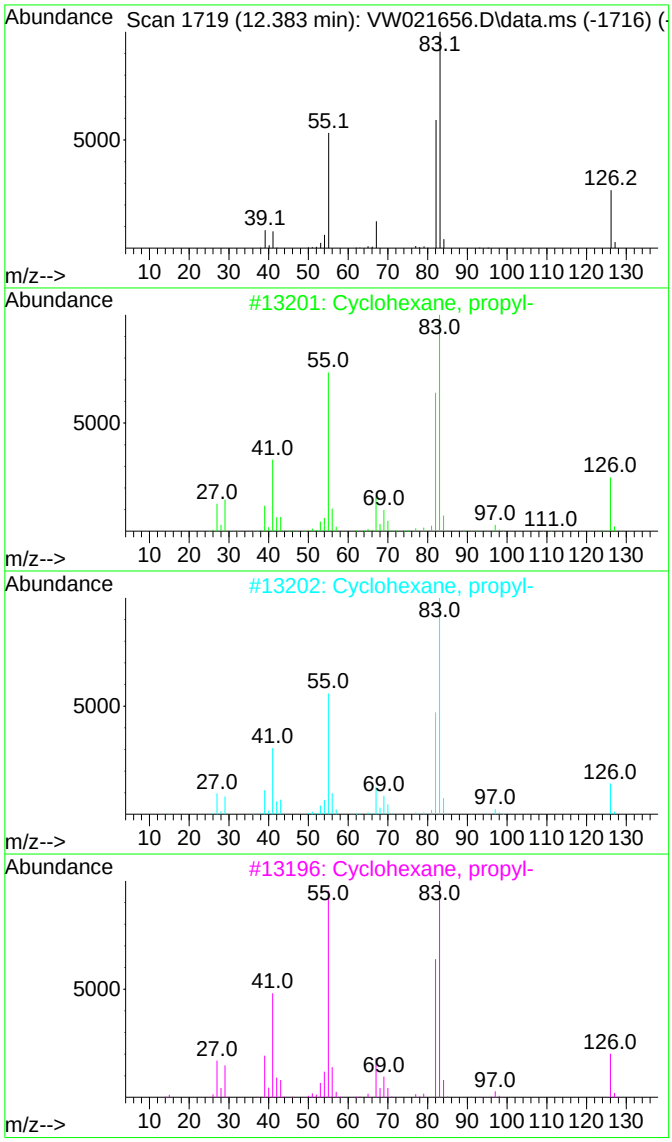
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

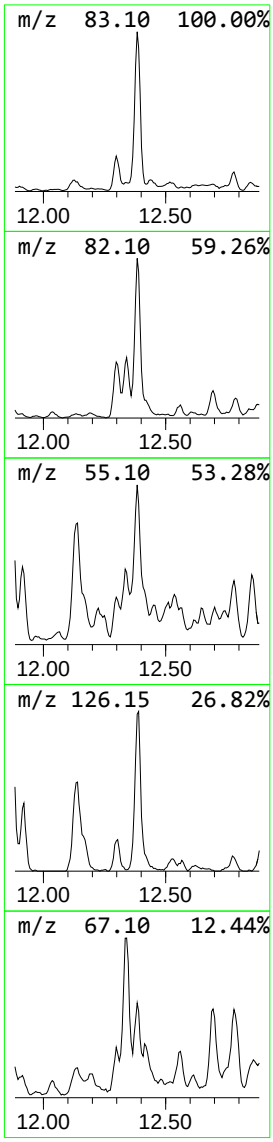
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Cyclic12.383 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.383	8.88 ug/L	145075	Chlorobenzene-d5	11.633

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	74
4	Oxalic acid, cyclohexyl butyl ester	228	C12H20O4	1000309-30-5	40
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

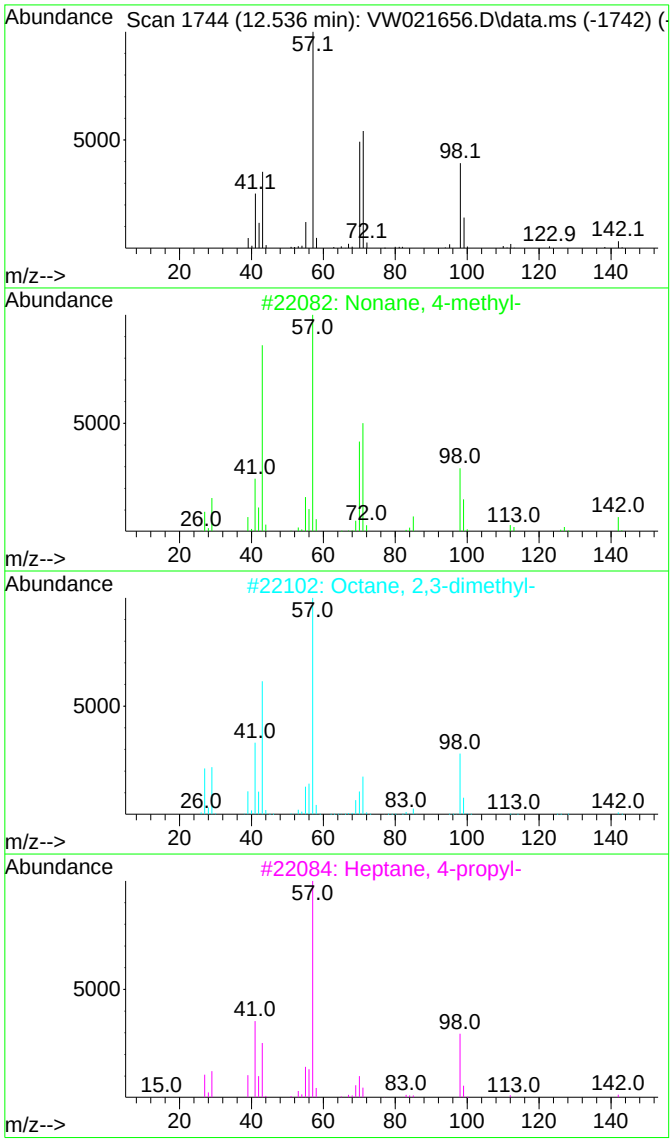
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

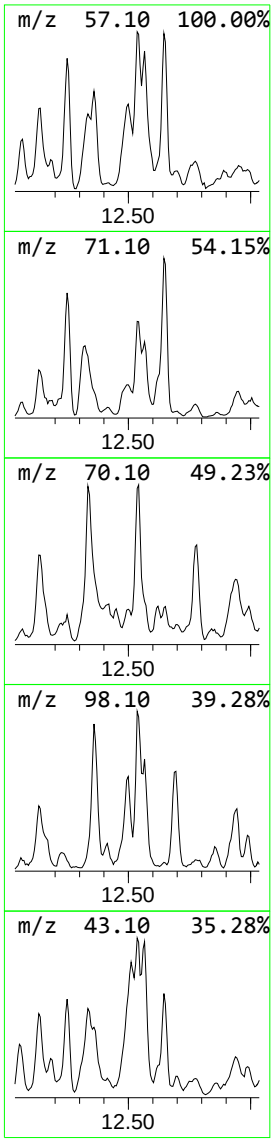
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.536	4.19 ug/L	68445	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	74
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	50
3	Heptane, 4-propyl-	142	C10H22	003178-29-8	43
4	Heptane, 4-propyl-	142	C10H22	003178-29-8	43
5	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

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

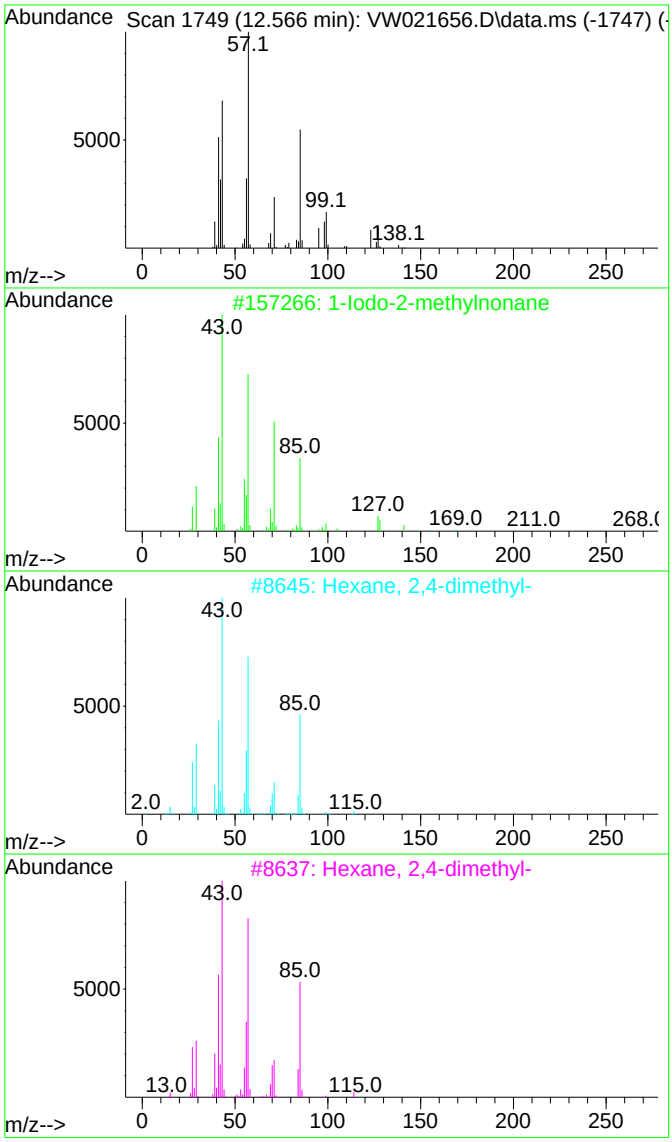
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

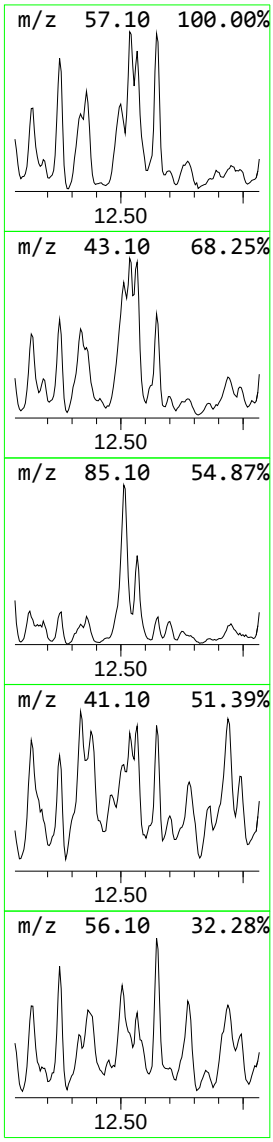
****

Peak Number 30 unknown-02 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.566	7.69 ug/L	125650	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	47
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	47
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	47
4	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	47
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

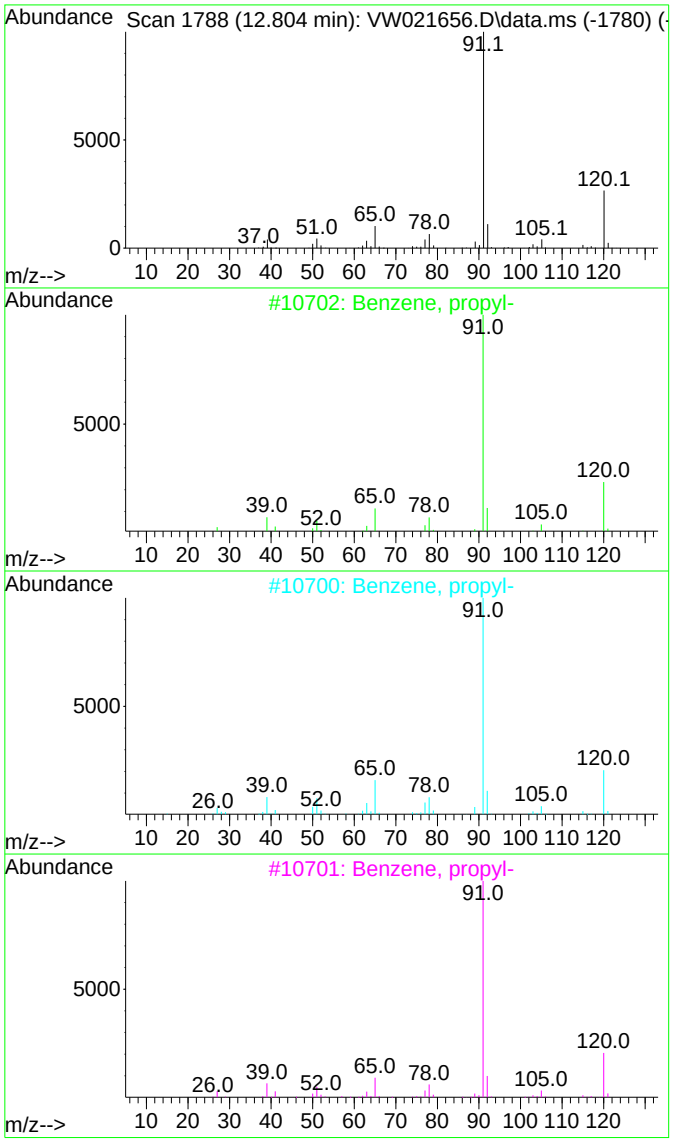
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

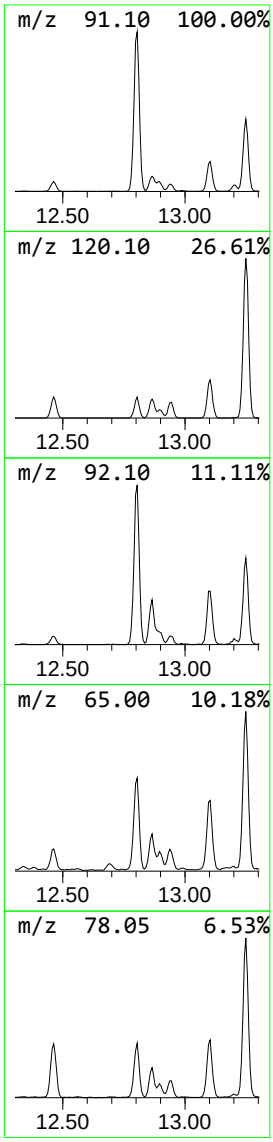
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Benzene, propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.804	10.04 ug/L	731015	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-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

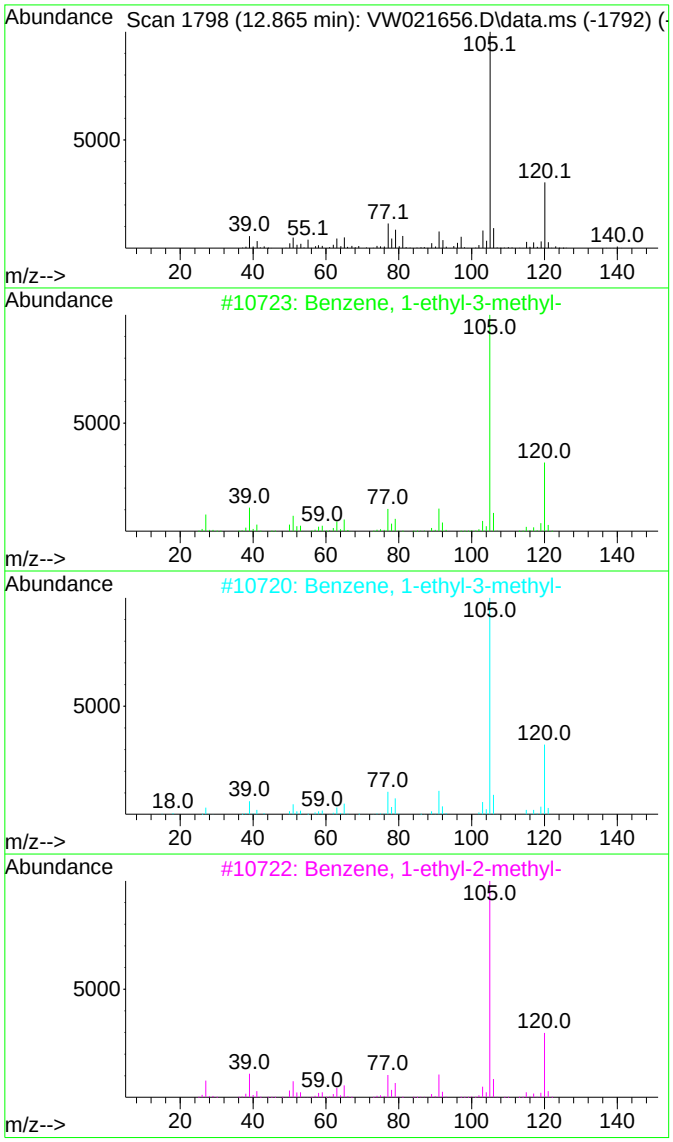
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

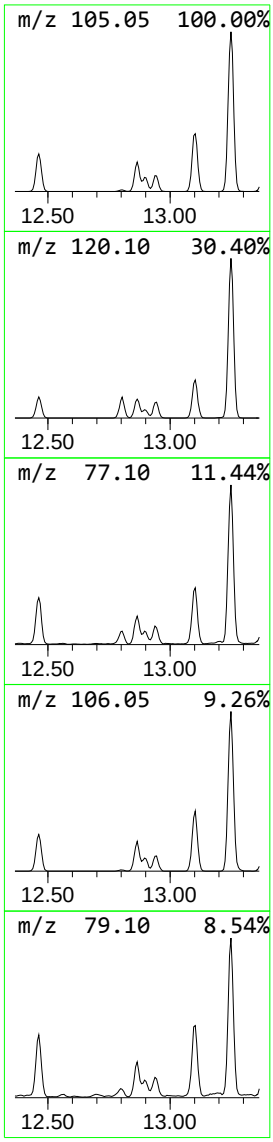
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Benzene, 1-ethyl-3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	9.42 ug/L	685759	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	93
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5	Mesitylene	120	C9H12	000108-67-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

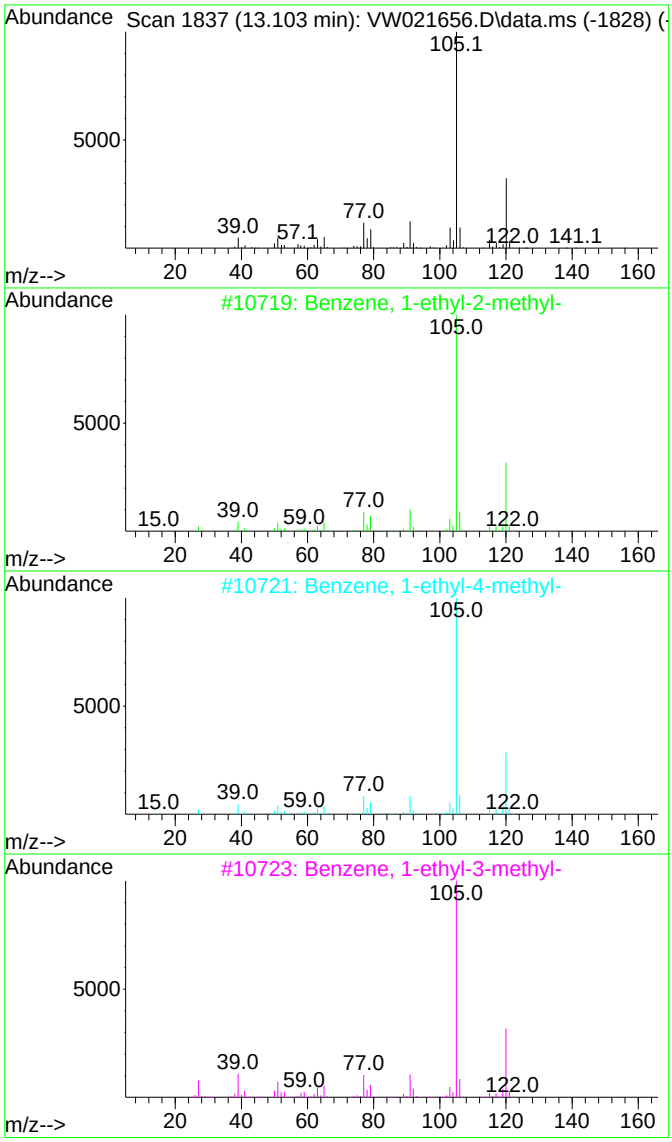
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

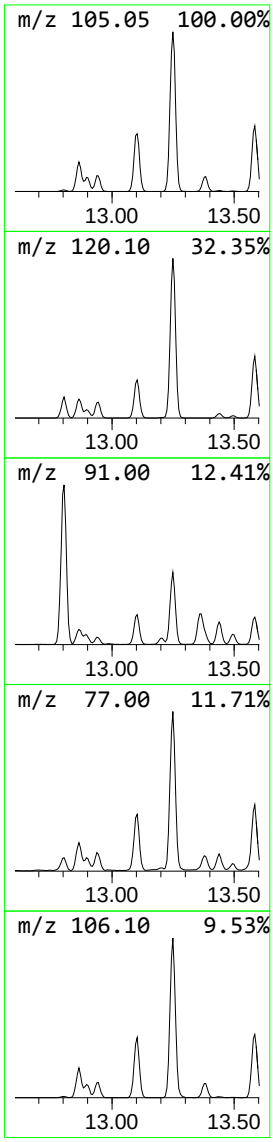
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	19.39 ug/L	1411300	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	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

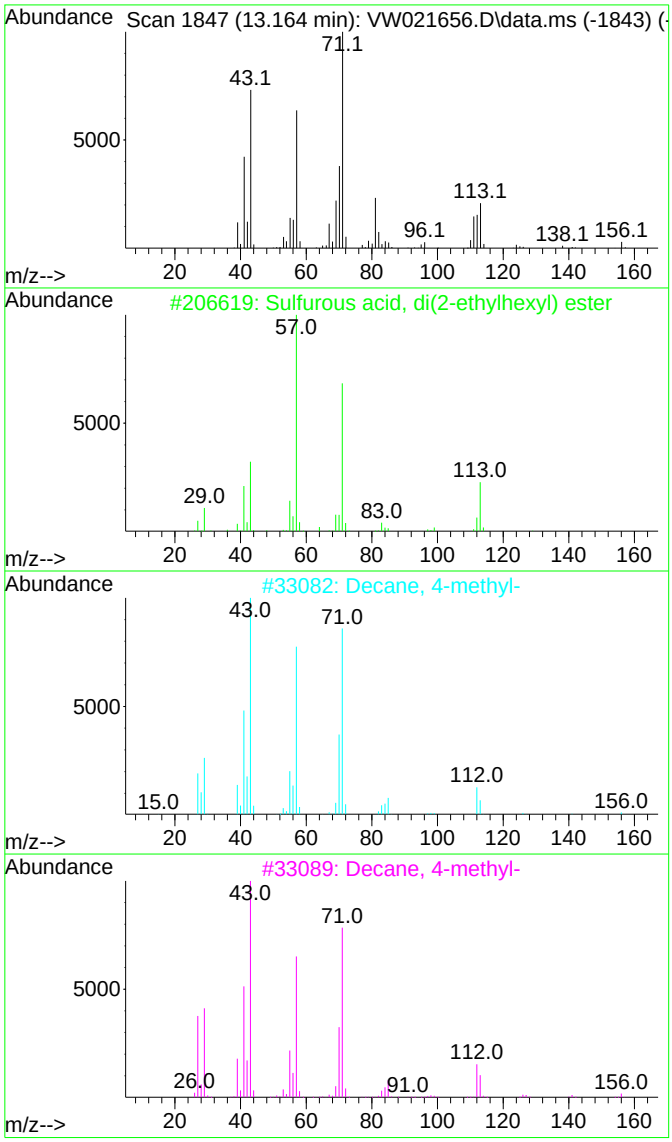
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

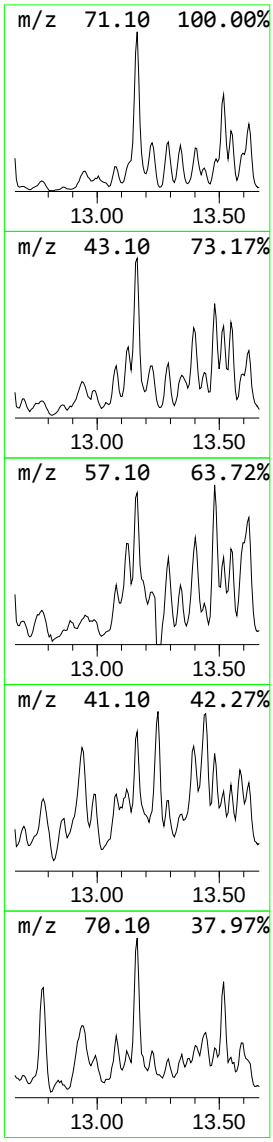
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Sulfurous acid, di(2-ethylh... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	2.19 ug/L	159233	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	59
2	Decane, 4-methyl-	156	C11H24	002847-72-5	59
3	Decane, 4-methyl-	156	C11H24	002847-72-5	59
4	Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	59
5	Octane, 3-ethyl-	142	C10H22	005881-17-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

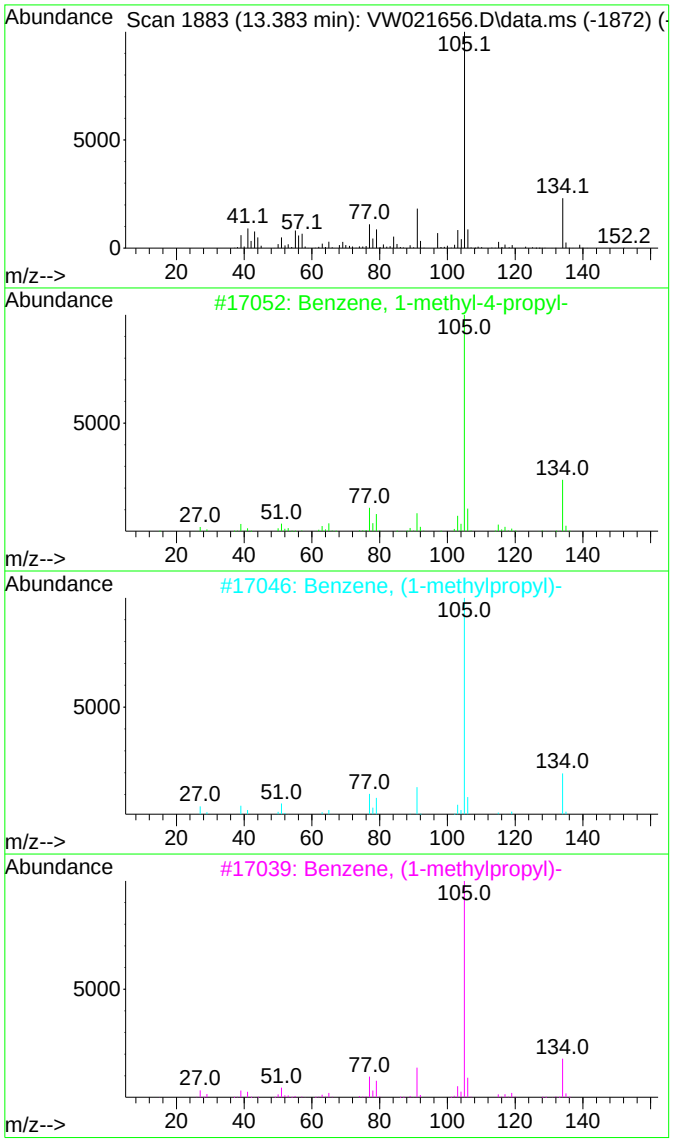
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

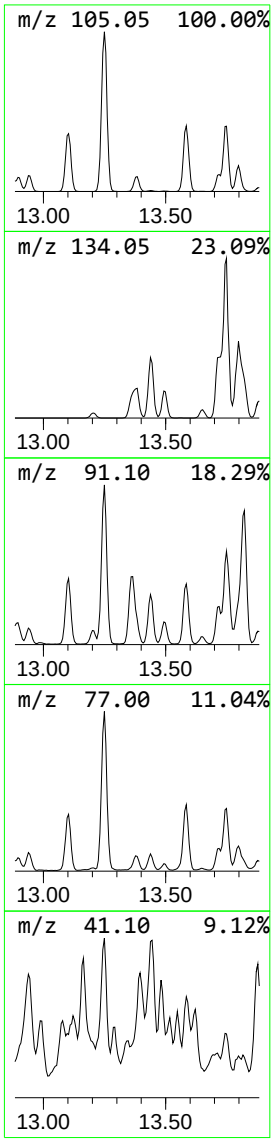
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 Benzene, 1-methyl-4-propyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.383	8.90 ug/L	647784	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	93
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

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

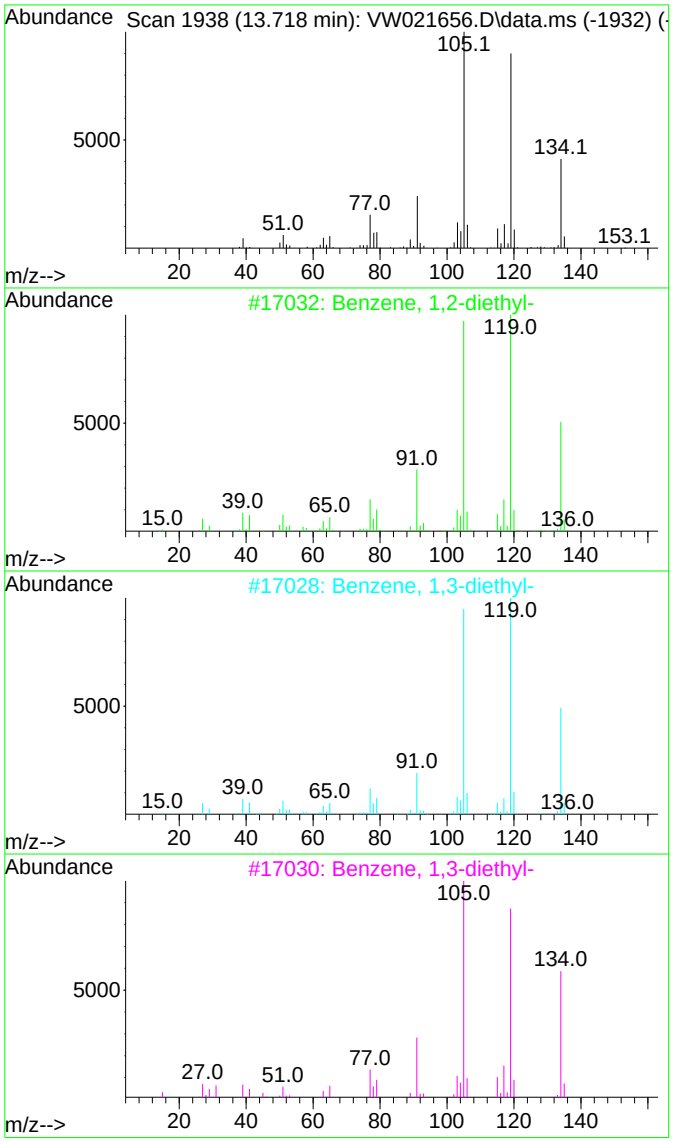
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

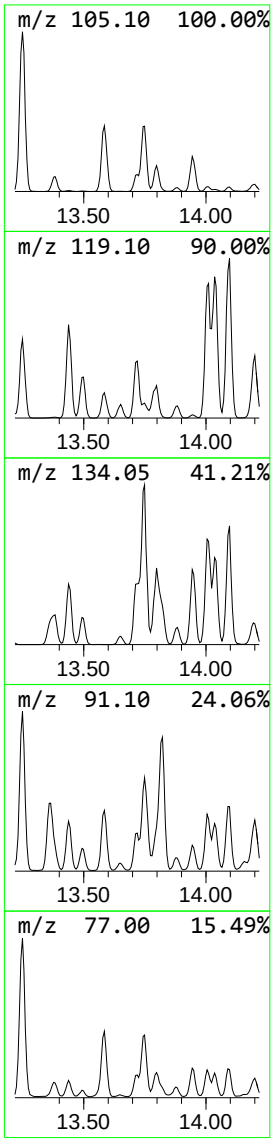
****

Peak Number 37 Benzene, 1,2-diethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.718	6.55 ug/L	476620	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	95
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

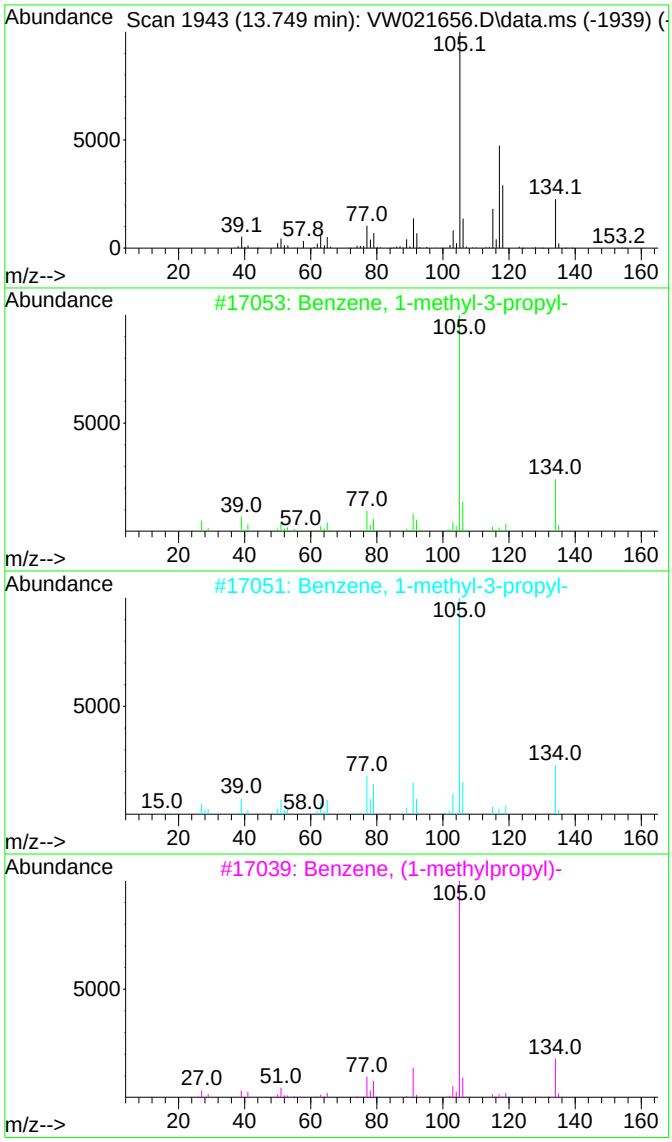
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

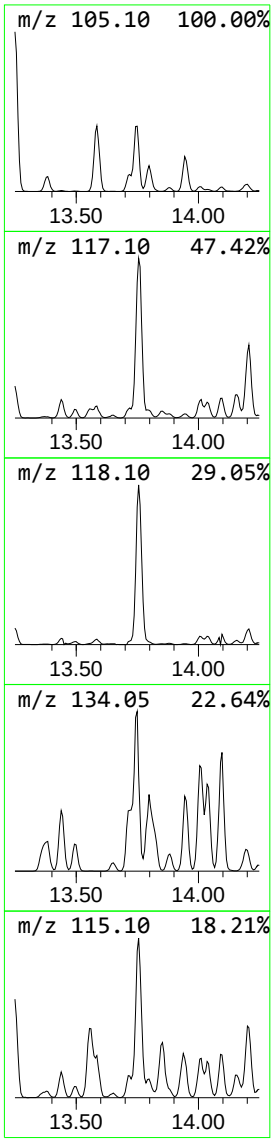
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Benzene, 1-methyl-3-propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.749	26.18 ug/L	1905110	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	50
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	50
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	46
4	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	45
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	41





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

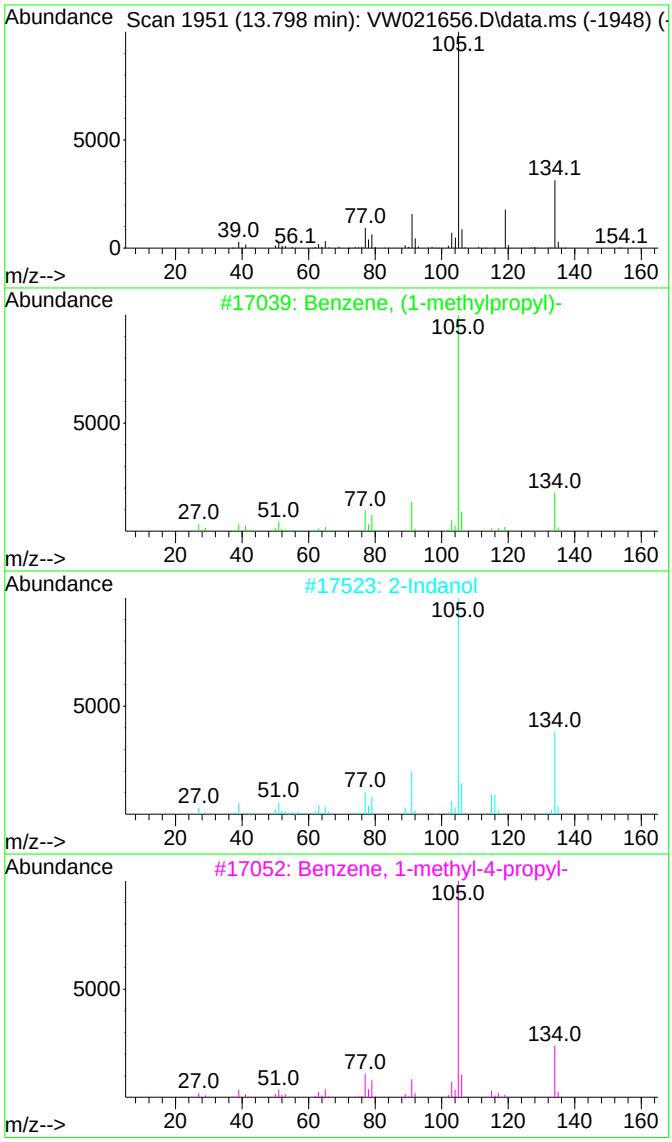
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

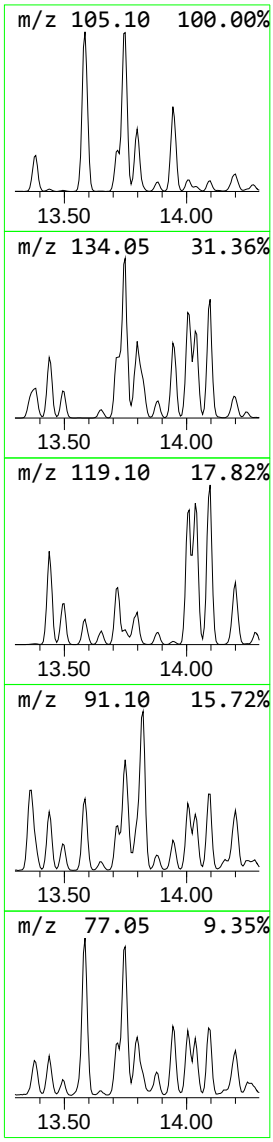
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 Benzene, (1-methylpropyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.798	10.19 ug/L	741772	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	80
2	2-Indanol	134	C9H10O	004254-29-9	72
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	72
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	72
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

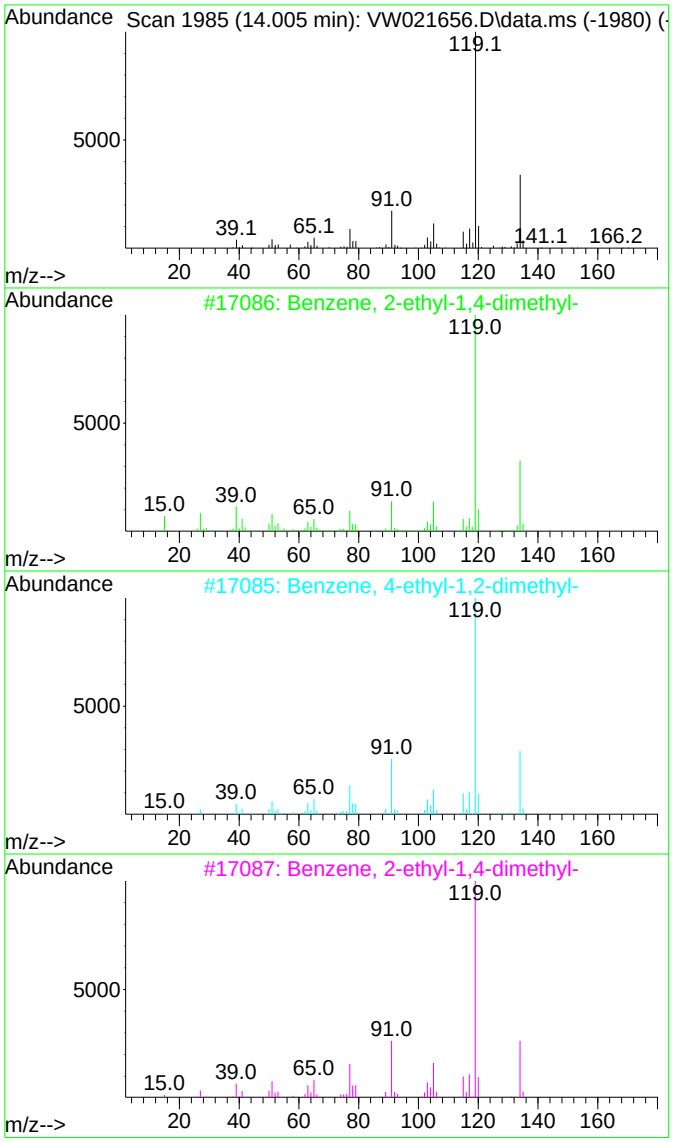
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

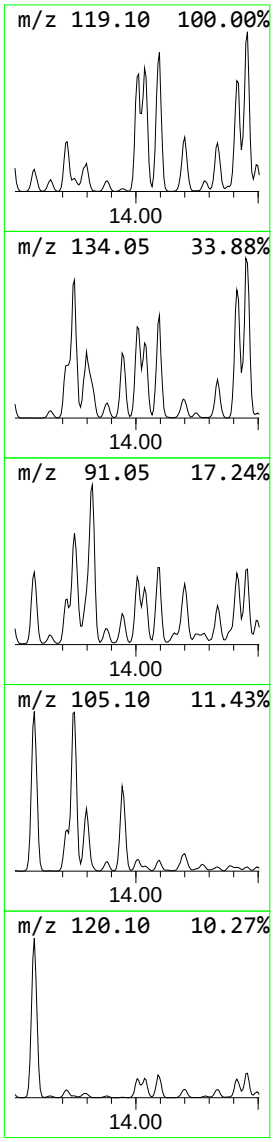
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.005	11.12 ug/L	809578	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	97
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

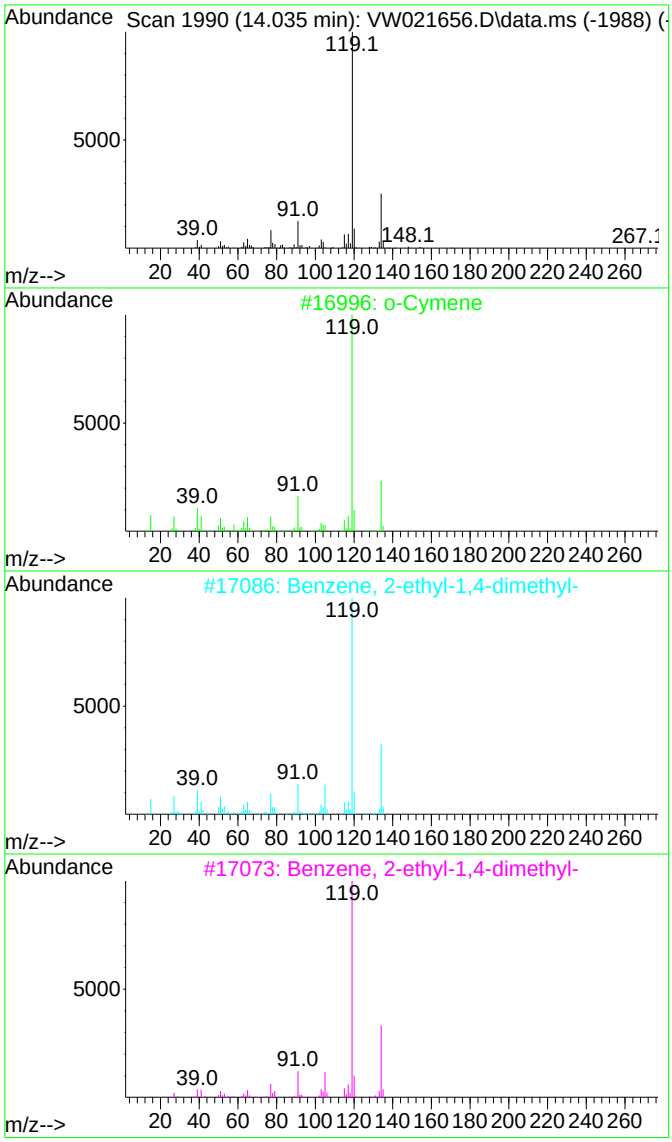
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

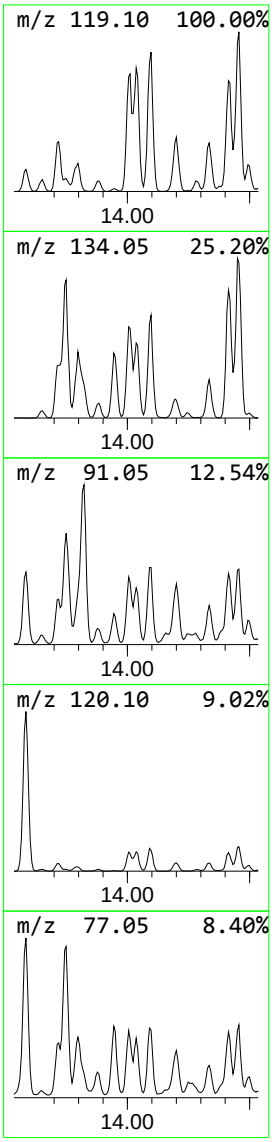
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 o-Cymene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.035	8.30 ug/L	603912	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

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

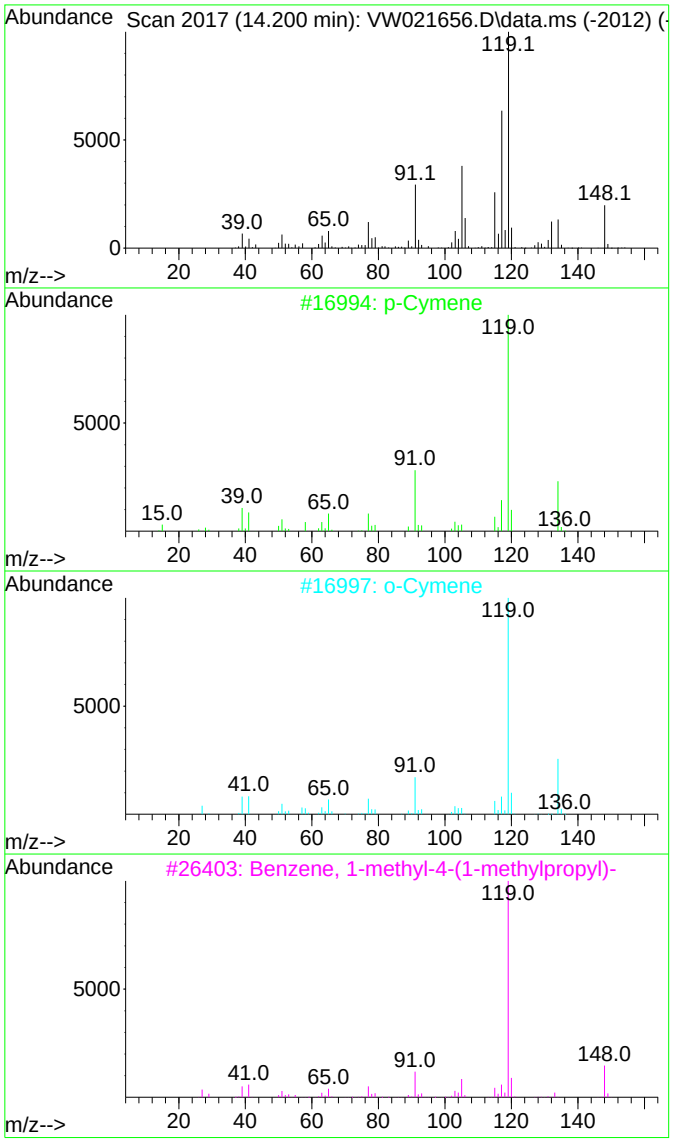
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

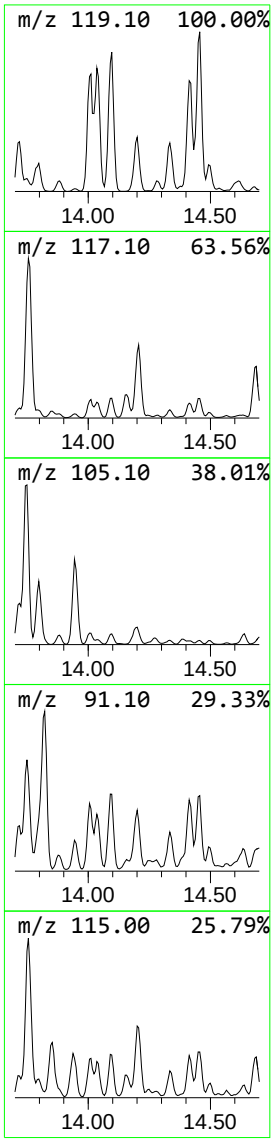
****

Peak Number 44 p-Cymene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.200	9.32 ug/L	678372	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	50
2	o-Cymene	134	C10H14	000527-84-4	46
3	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	46
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	46
5	o-Cymene	134	C10H14	000527-84-4	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

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

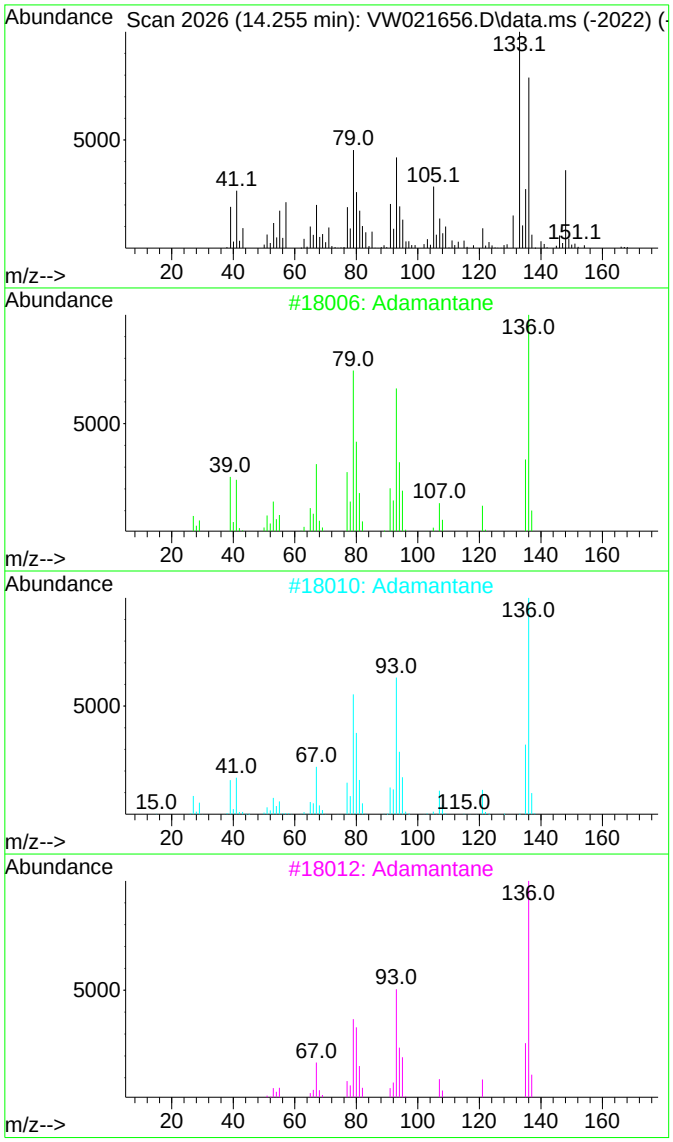
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

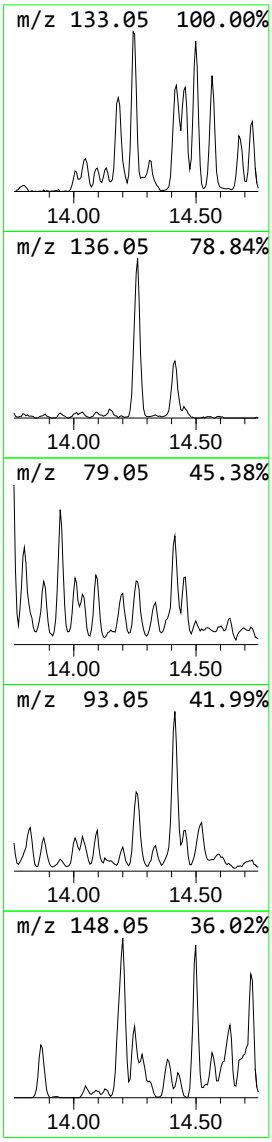
****

Peak Number 45 Adamantane Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.255	3.42 ug/L	249146	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	98
2	Adamantane	136	C10H16	000281-23-2	96
3	Adamantane	136	C10H16	000281-23-2	55
4	Adamantane	136	C10H16	000281-23-2	55
5	Bicyclo[3.3.1]non-6-en-2-one	136	C9H12O	022482-58-2	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

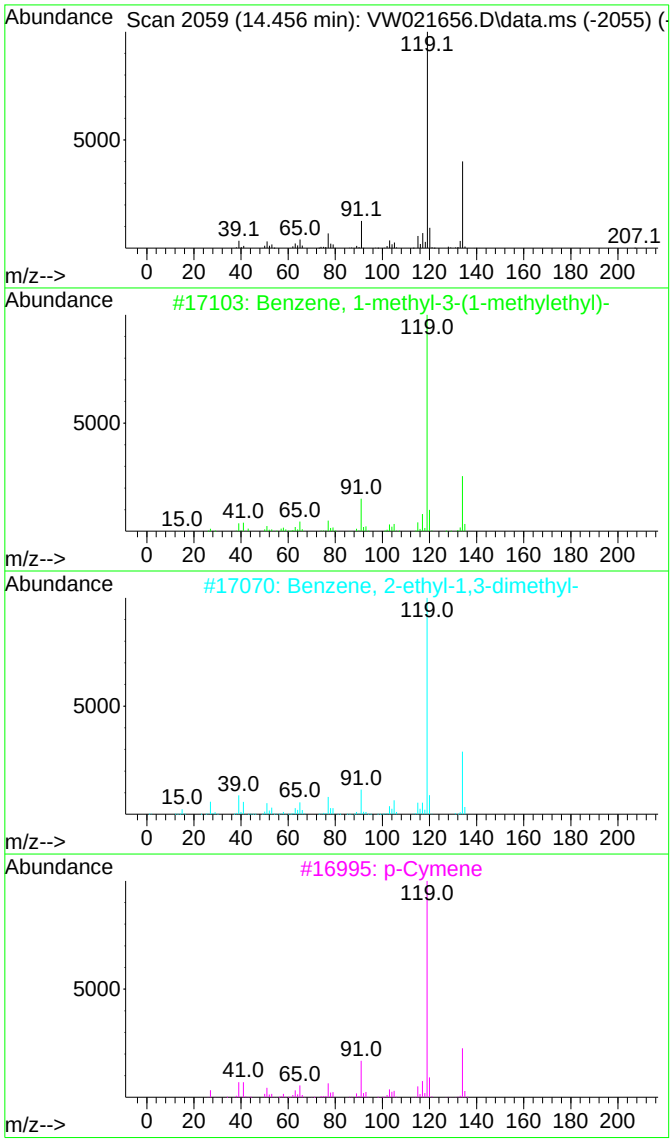
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

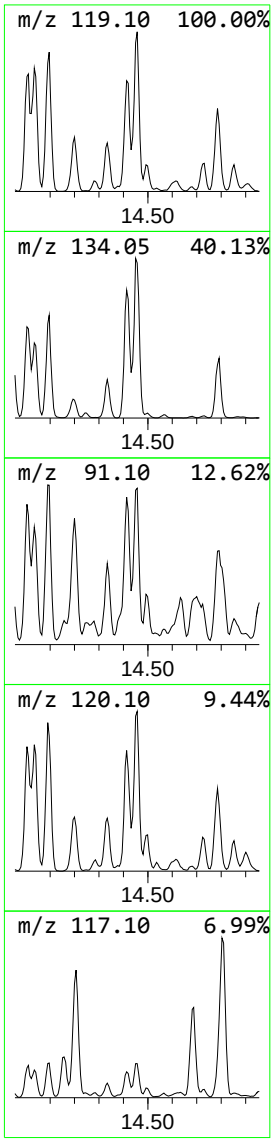
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 Benzene, 1-methyl-3-(1-meth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.456	12.84 ug/L	934527	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	94
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
3	p-Cymene	134	C10H14	000099-87-6	91
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

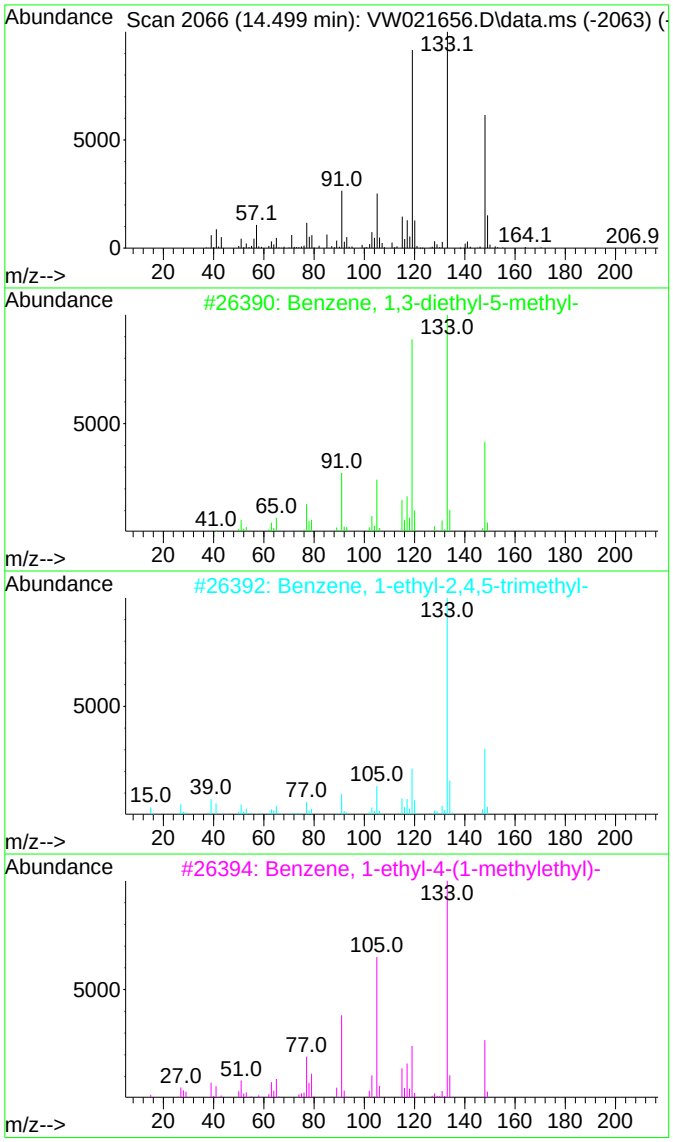
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

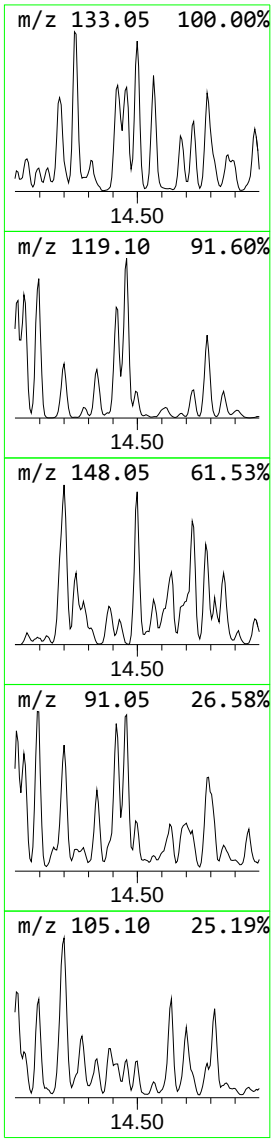
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.499	3.24 ug/L	236022	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	91
2	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	68
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	53
4	3,4-Dimethylcumene	148	C11H16	1000370-34-1	52
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

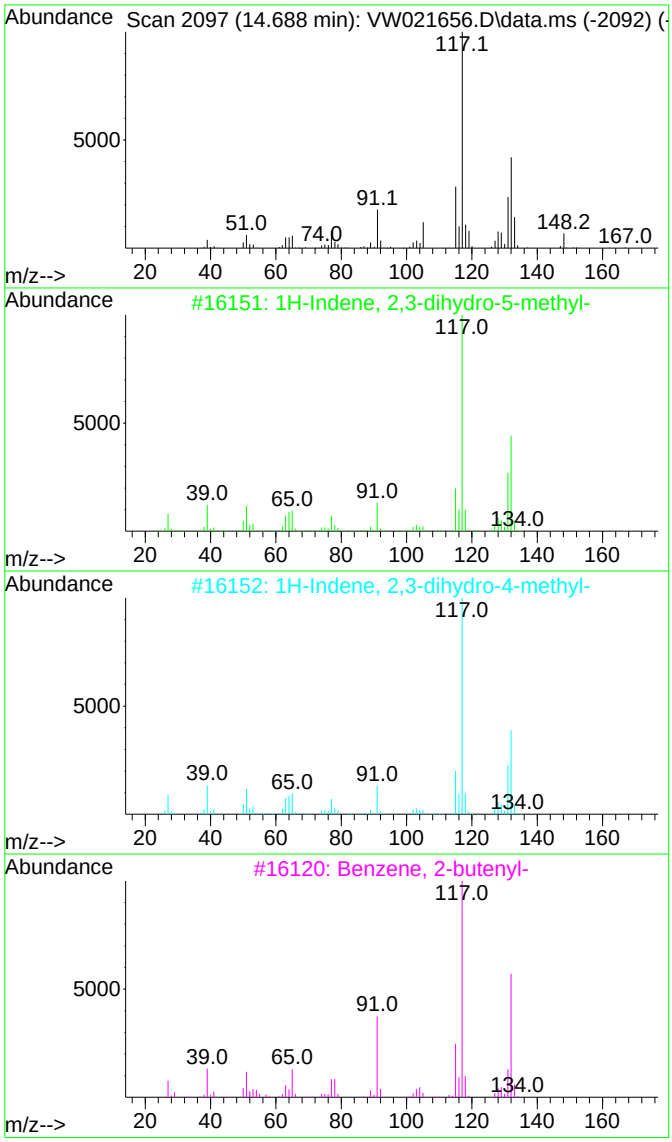
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

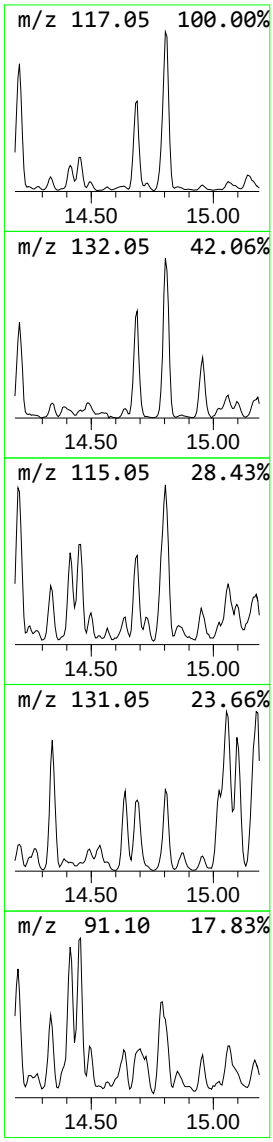
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.688	4.07 ug/L	296213	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	90
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

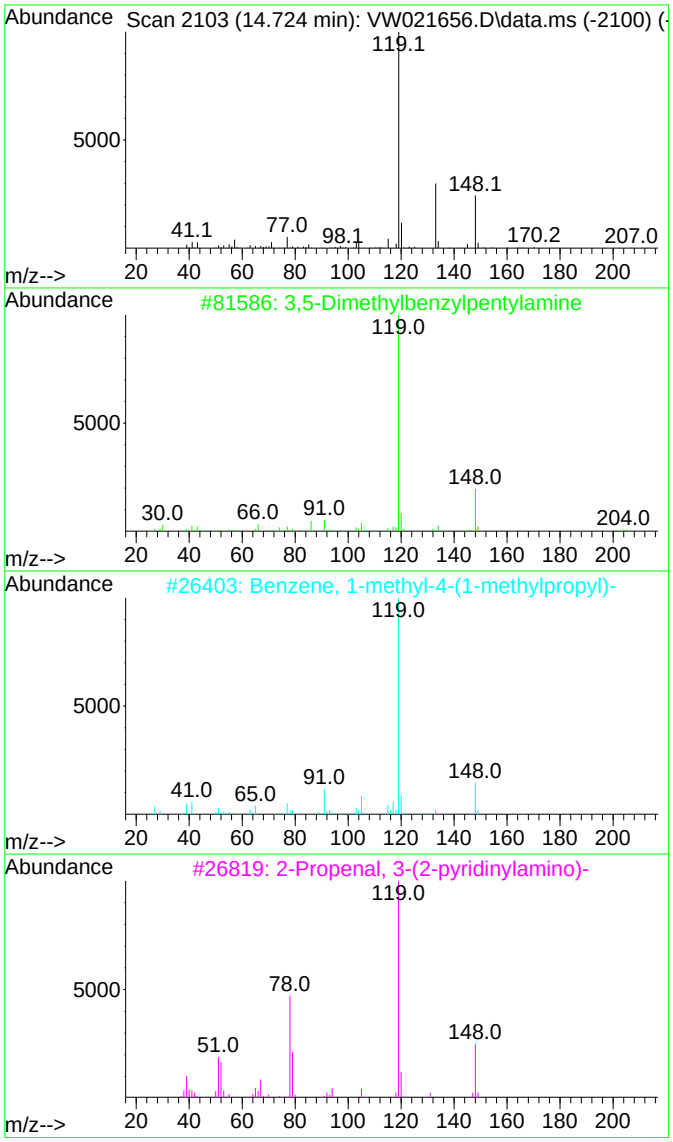
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

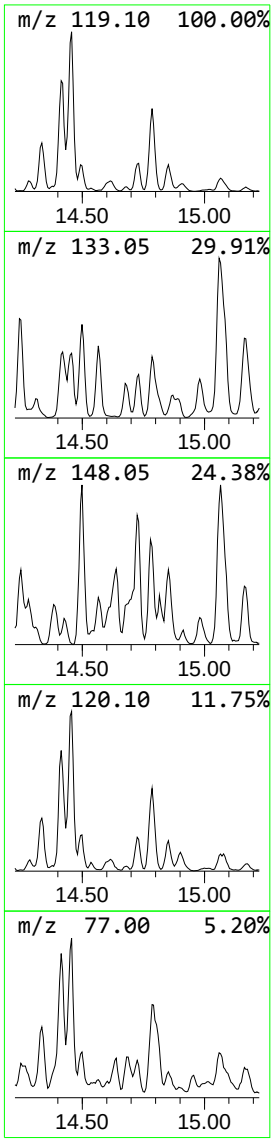
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 3,5-Dimethylbenzylpentylamine Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.724	2.98 ug/L	216598	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethylbenzylpentylamine	205	C14H23N	1000491-60-8	64
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	64
3	2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	59
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	50
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

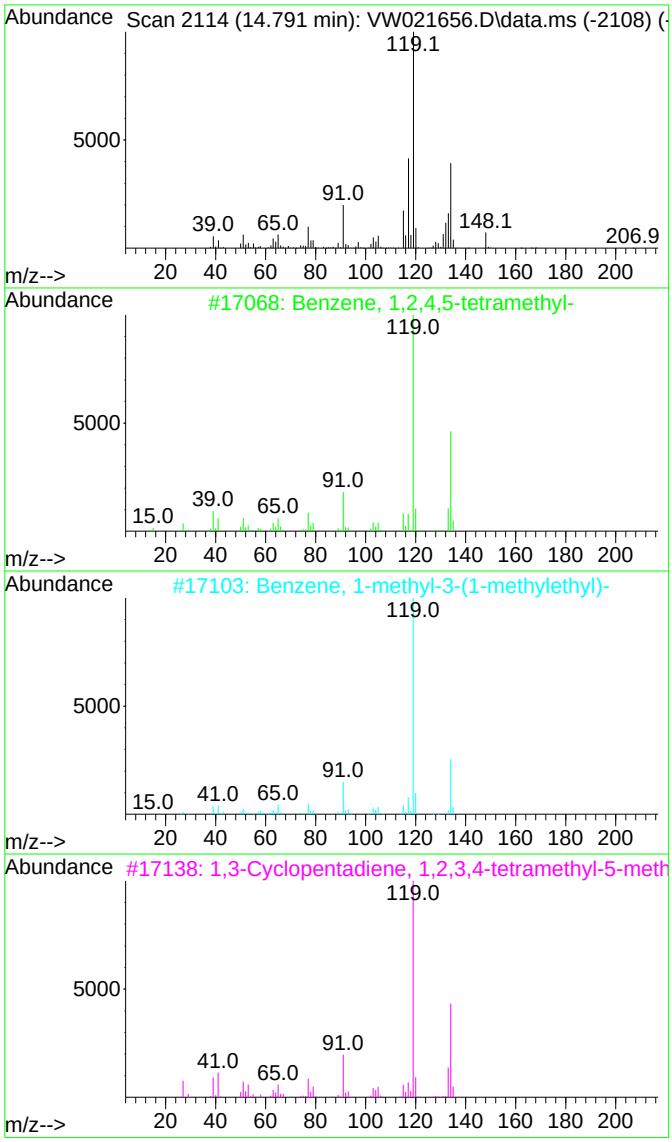
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

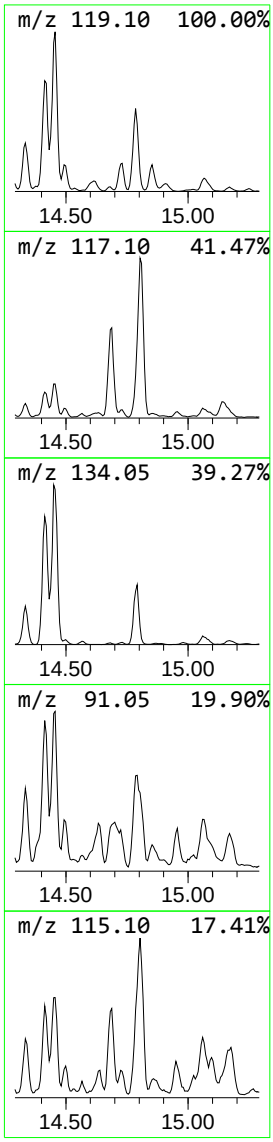
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.791	14.48 ug/L	1054170	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	70
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	70
4	o-Cymene	134	C10H14	000527-84-4	70
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

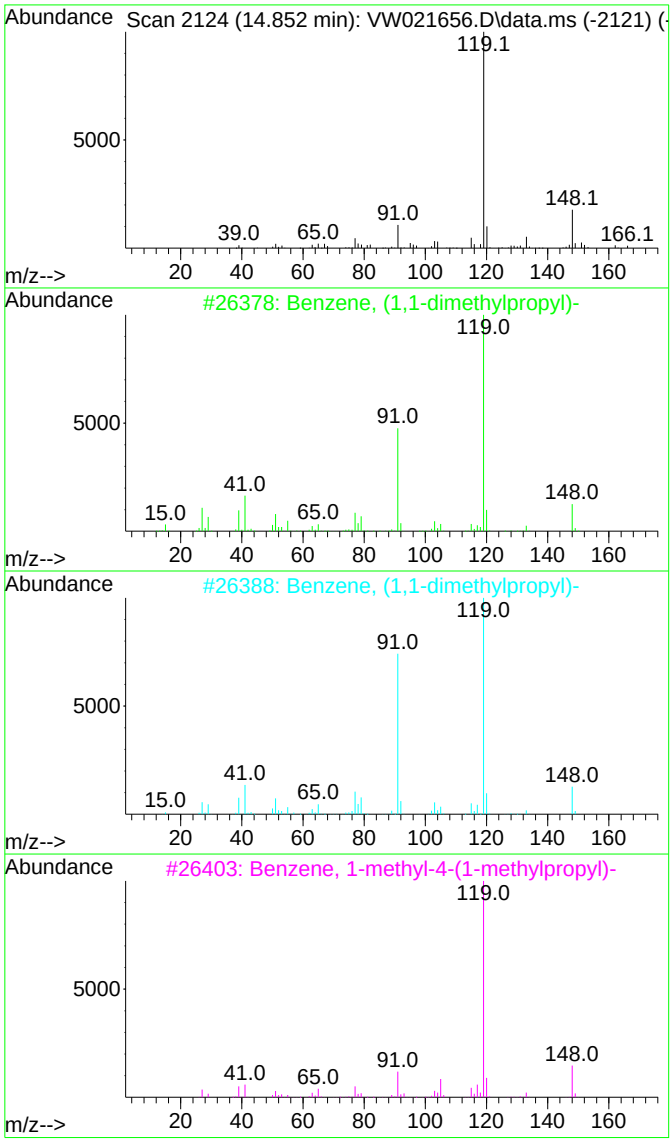
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

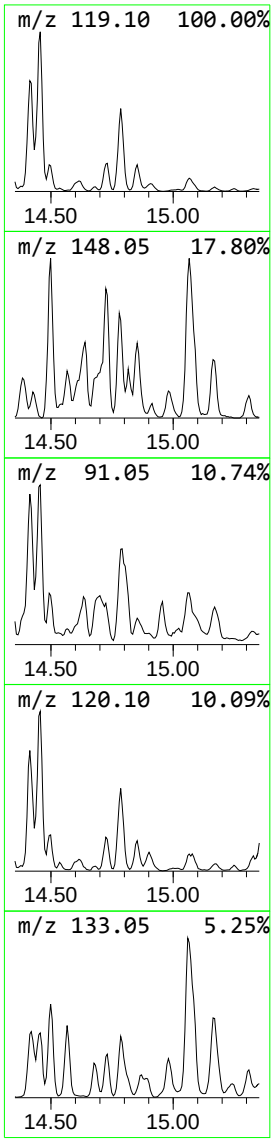
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 54 Benzene, (1,1-dimethylpropyl)- Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.852	1.88 ug/L	136831	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	80
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	78
3	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	72
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

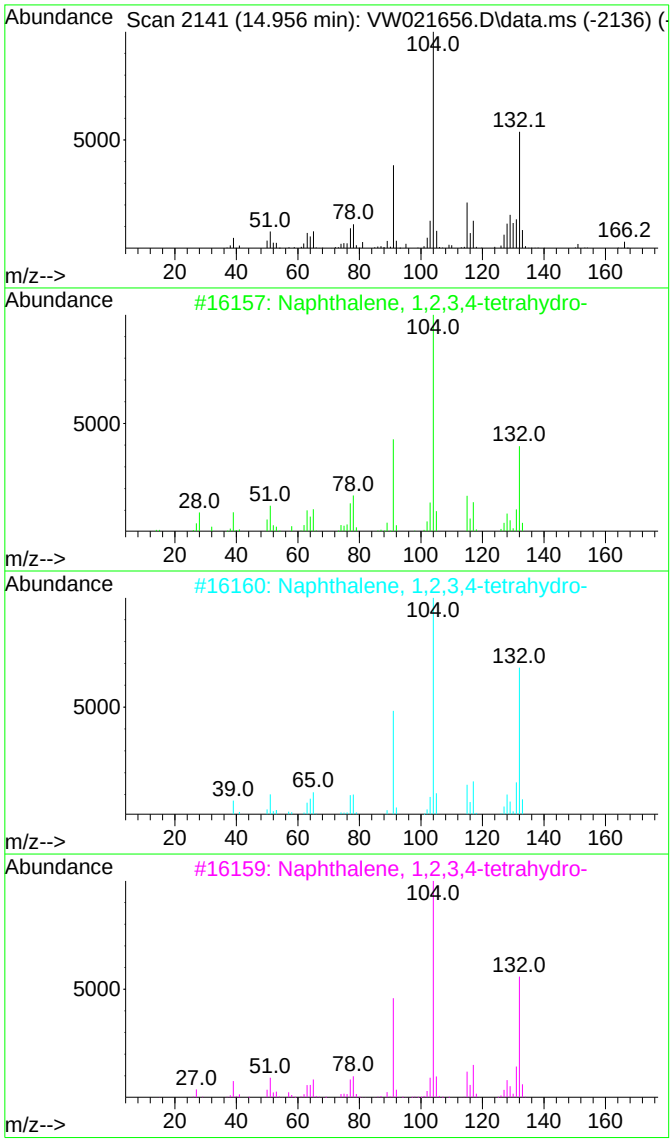
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

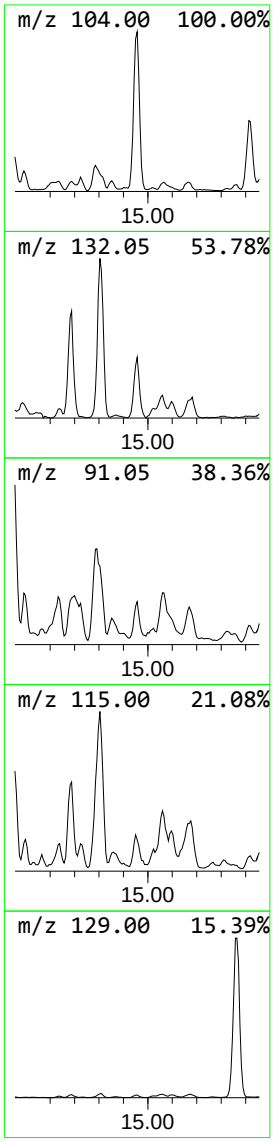
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 55 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.956	1.88 ug/L	136678	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	96
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	95
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

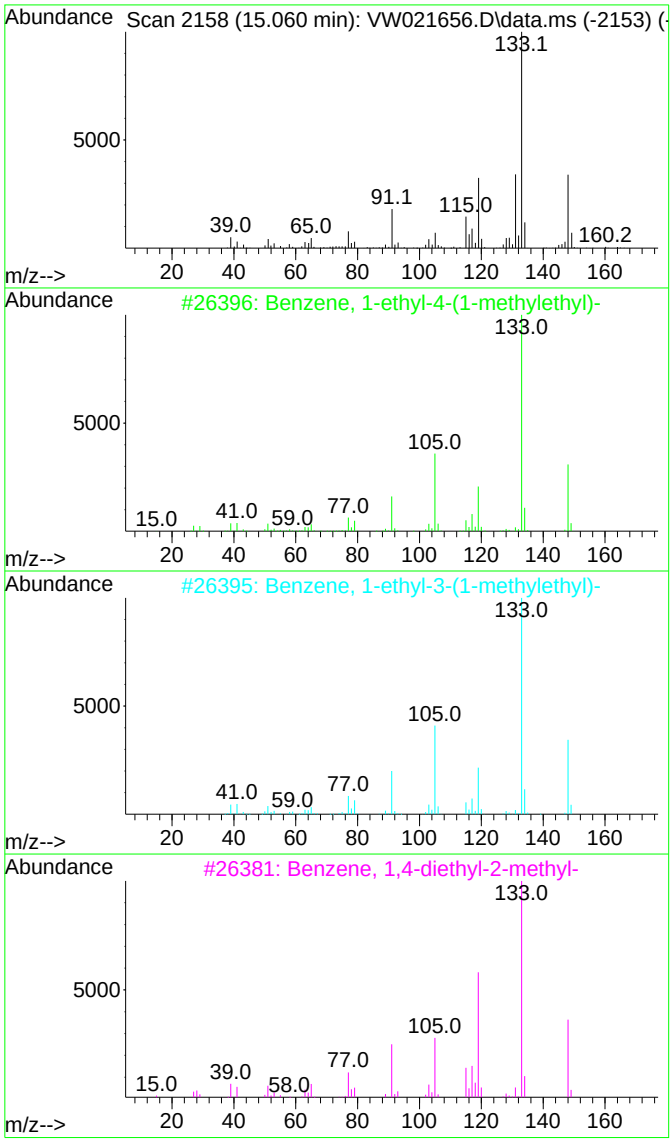
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

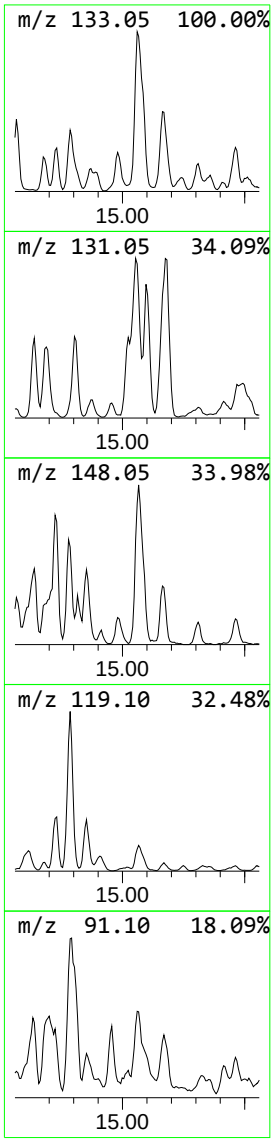
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 56 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	5.56 ug/L	404724	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	74
2	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	72
3	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	72
4	4-tert-Butyltoluene	148	C11H16	000098-51-1	70
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

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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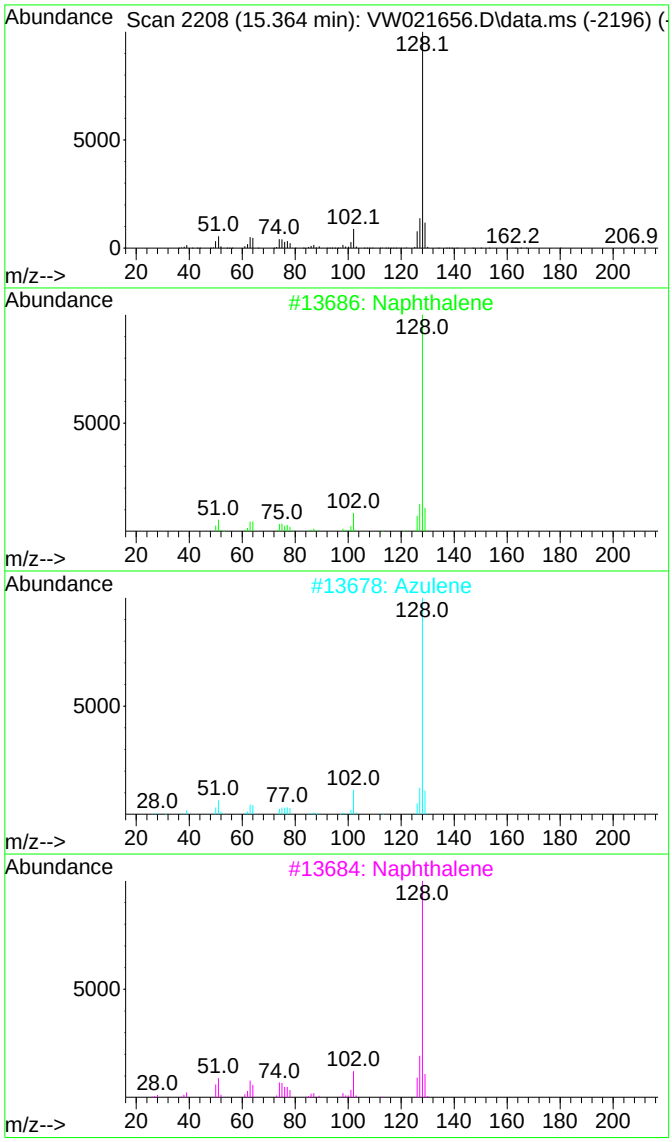
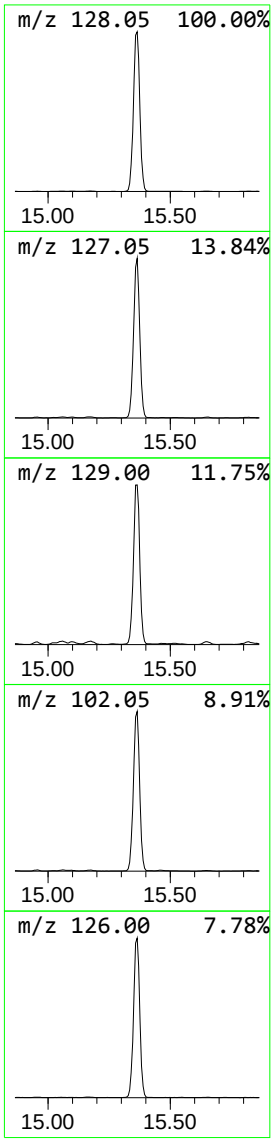
Peak Number 57 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.365	85.13 ug/L	6196160	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	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	91





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Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

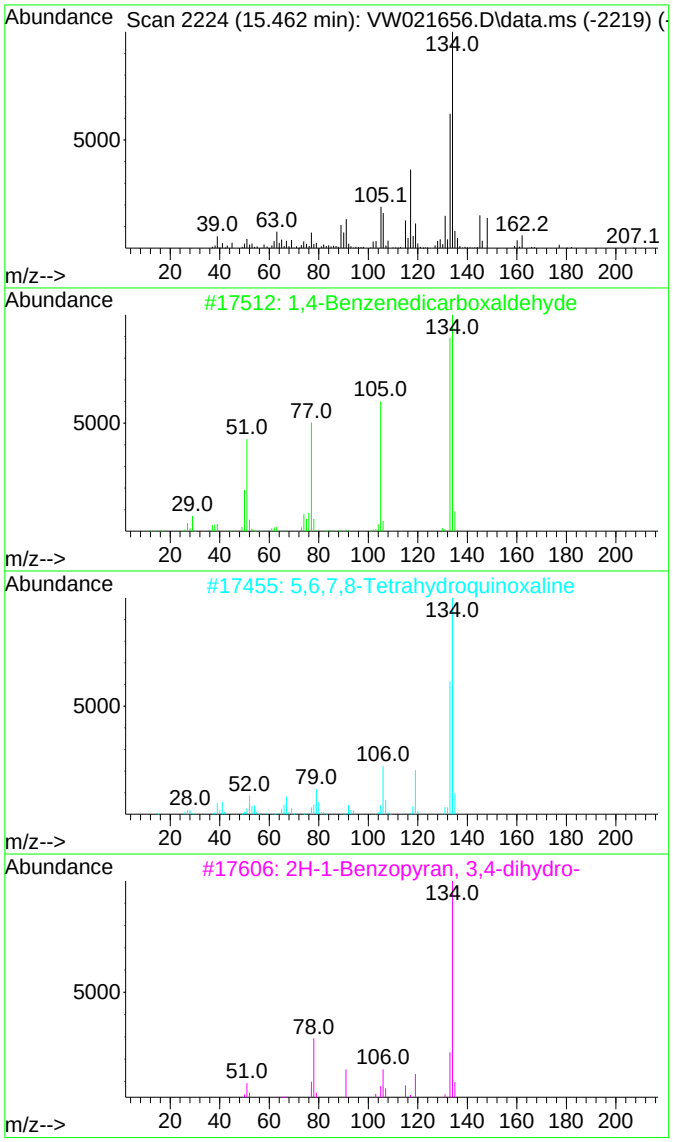
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

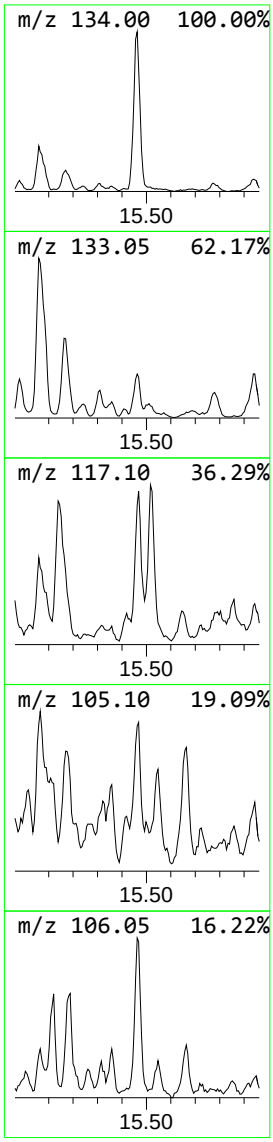
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 58 1,4-Benzenedicarboxaldehyde Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.462	2.13 ug/L	154792	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Benzenedicarboxaldehyde	134	C8H6O2	000623-27-8	50
2	5,6,7,8-Tetrahydroquinoxaline	134	C8H10N2	034413-35-9	49
3	2H-1-Benzopyran, 3,4-dihydro-	134	C9H10O	000493-08-3	46
4	1,4-Benzenedicarboxaldehyde	134	C8H6O2	000623-27-8	43
5	Benzo[c]thiophene	134	C8H6S	000270-82-6	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

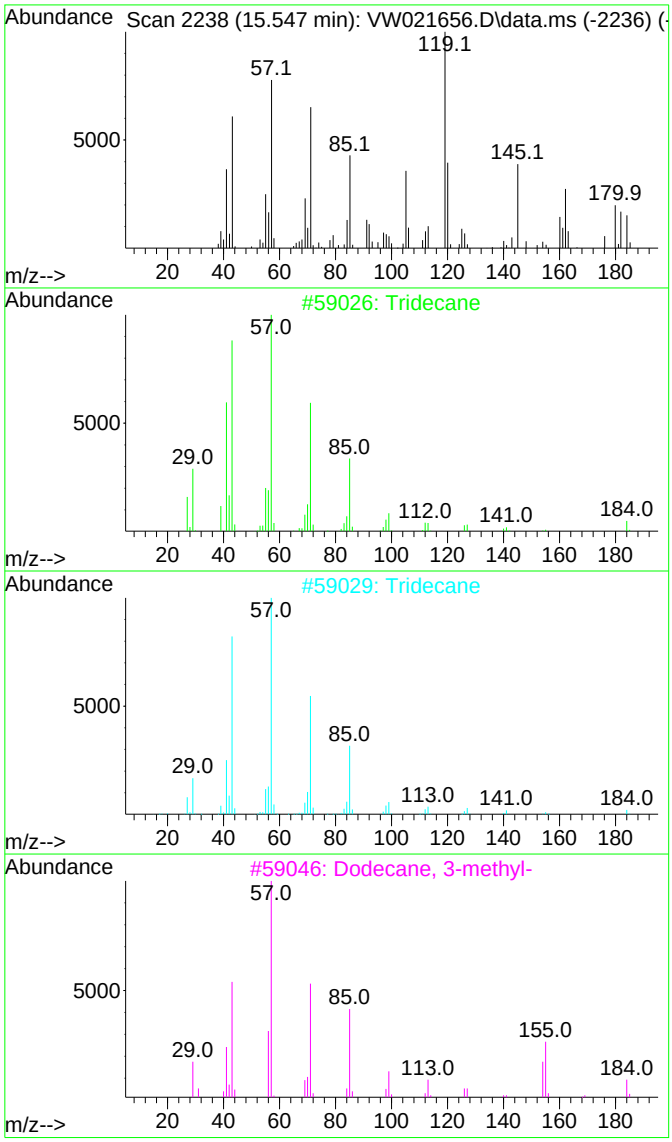
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

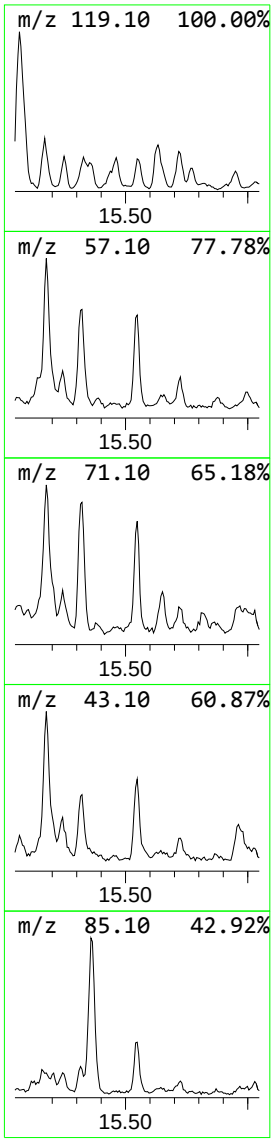
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 59 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.547	1.52 ug/L	110751	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	35
2	Tridecane	184	C13H28	000629-50-5	35
3	Dodecane, 3-methyl-	184	C13H28	017312-57-1	18
4	Tridecane	184	C13H28	000629-50-5	14
5	Tridecane	184	C13H28	000629-50-5	14





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
Data File : VW021656.D
Acq On : 25 Dec 2021 19:22
Operator : SY/VA
Sample : M5154-10
Misc : 6.66g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL90

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	2.507	5.1	ug/L	60226	1	8.841	294522	25.0
(DEL) Alkane: S...	6.909	4.7	ug/L	55233	1	8.841	294522	25.0
(DEL) Alkane: S...	7.921	4.0	ug/L	46738	1	8.841	294522	25.0
(DEL) Alkane: S...	8.152	4.9	ug/L	57481	1	8.841	294522	25.0
(DEL) Alkane: S...	8.475	2.4	ug/L	28643	1	8.841	294522	25.0
(DEL) Alkane: S...	8.695	3.1	ug/L	36526	1	8.841	294522	25.0
Pentanal	9.408	4.9	ug/L	57917	1	8.841	294522	25.0
(DEL) Alkane: S...	9.896	2.4	ug/L	27821	1	8.841	294522	25.0
(DEL) Alkane: S...	9.957	3.6	ug/L	42354	1	8.841	294522	25.0
(DEL) Alkane: S...	10.097	4.9	ug/L	57972	1	8.841	294522	25.0
(DEL) Alkane: S...	10.499	2.2	ug/L	36070	2	11.633	408642	25.0
(DEL) Alkane: C...	10.756	2.4	ug/L	39167	2	11.633	408642	25.0
(DEL) Alkane: S...	10.841	2.4	ug/L	39765	2	11.633	408642	25.0
(DEL) Alkane: S...	11.030	2.7	ug/L	43462	2	11.633	408642	25.0
Hexanal	11.073	5.4	ug/L	88281	2	11.633	408642	25.0
(DEL) Alkane: C...	11.109	2.0	ug/L	33489	2	11.633	408642	25.0
(DEL) Alkane: C...	11.176	4.5	ug/L	73083	2	11.633	408642	25.0
(DEL) Alkane: C...	11.231	3.6	ug/L	59014	2	11.633	408642	25.0
(DEL) Alkane: S...	11.274	2.6	ug/L	42831	2	11.633	408642	25.0
(DEL) Alkane: S...	11.335	3.3	ug/L	53188	2	11.633	408642	25.0
(DEL) Alkane: S...	11.408	18.1	ug/L	296493	2	11.633	408642	25.0
(DEL) Alkane: S...	11.512	9.6	ug/L	156893	2	11.633	408642	25.0
(DEL) Alkane: S...	11.914	6.4	ug/L	104689	2	11.633	408642	25.0
(DEL) Alkane: S...	12.060	4.8	ug/L	77739	2	11.633	408642	25.0
(DEL) Alkane: C...	12.249	9.5	ug/L	155315	2	11.633	408642	25.0
unknown-01	12.335	27.3	ug/L	446840	2	11.633	408642	25.0
(DEL) Alkane: C...	12.383	8.9	ug/L	145075	2	11.633	408642	25.0
(DEL) Alkane: S...	12.536	4.2	ug/L	68445	2	11.633	408642	25.0
unknown-02	12.566	7.7	ug/L	125650	2	11.633	408642	25.0
Benzene, propyl-	12.804	10.0	ug/L	731015	3	13.554	1819510	25.0
Benzene, 1-ethy...	12.865	9.4	ug/L	685759	3	13.554	1819510	25.0
Benzene, 1-ethy...	13.103	19.4	ug/L	1411300	3	13.554	1819510	25.0
Sulfurous acid,...	13.164	2.2	ug/L	159233	3	13.554	1819510	25.0
Benzene, 1-meth...	13.383	8.9	ug/L	647784	3	13.554	1819510	25.0
Benzene, 1,2-di...	13.718	6.5	ug/L	476620	3	13.554	1819510	25.0
Benzene, 1-meth...	13.749	26.2	ug/L	1905110	3	13.554	1819510	25.0
Benzene, (1-met...	13.798	10.2	ug/L	741772	3	13.554	1819510	25.0
Benzene, 2-ethy...	14.005	11.1	ug/L	809578	3	13.554	1819510	25.0
o-Cymene	14.035	8.3	ug/L	603912	3	13.554	1819510	25.0
p-Cymene	14.200	9.3	ug/L	678372	3	13.554	1819510	25.0
Adamantane	14.255	3.4	ug/L	249146	3	13.554	1819510	25.0
Benzene, 1-meth...	14.456	12.8	ug/L	934527	3	13.554	1819510	25.0
Benzene, 1,3-di...	14.499	3.2	ug/L	236022	3	13.554	1819510	25.0
1H-Indene, 2,3-...	14.688	4.1	ug/L	296213	3	13.554	1819510	25.0
3,5-Dimethylben...	14.724	3.0	ug/L	216598	3	13.554	1819510	25.0
Benzene, 1,2,4,...	14.791	14.5	ug/L	1054170	3	13.554	1819510	25.0
Benzene, (1,1-d...	14.852	1.9	ug/L	136831	3	13.554	1819510	25.0
Naphthalene, 1,...	14.956	1.9	ug/L	136678	3	13.554	1819510	25.0
Benzene, 1-ethy...	15.060	5.6	ug/L	404724	3	13.554	1819510	25.0
Azulene	15.365	85.1	ug/L	6196160	3	13.554	1819510	25.0
1,4-Benzenedica...	15.462	2.1	ug/L	154792	3	13.554	1819510	25.0
(DEL) Alkane: S...	15.547	1.5	ug/L	110751	3	13.554	1819510	25.0

Instrument :
MSVOA_W
ClientSampleId :
BGL90