LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

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: VW021500.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.787	777	801	808	rBV3	45524	173476	0.47%	0.049%
2	6.879	808	816	826	rVB	64116	196216	0.53%	0.056%
3	7.171	856	864	887	rVB3	70788	218854	0.59%	0.062%
4	7.525	912	922	930	rBV	253219	669477	1.80%	0.190%
5	7.628	930	939	957	rVB2	859081	2293940	6.16%	0.652%
6	7.781	957	964	969	rBV	77846	180130	0.48%	0.051%
7	7.854	969	976	982	rBV	180028	411136	1.10%	0.117%
8	7.927	982	988	992	rBV	187357	446091	1.20%	0.127%
9	8.037	999	1006	1017	rVB2	417096	1134538	3.04%	0.323%
10	8.159	1017	1026	1034	rBV	253083	578055	1.55%	0.164%
11	8.281	1037	1046	1048	rVV	165793	367075	0.99%	0.104%
12	8.323	1048	1053	1065	rVV5	289039	852602	2.29%	0.242%
13	8.512	1072	1084	1092	rVV4	877597	2408616	6.46%	0.685%
14	8.598	1092	1098	1104	rVB3	84073	197382	0.53%	0.056%
15	8.689	1104	1113	1126	rVB3	249161	828894	2.22%	0.236%
16	8.829	1126	1136	1149	rBV2	994797	2553682	6.85%	0.726%
17	8.994	1158	1163	1169	rVB	270428	491855	1.32%	0.140%
18	9.073	1169	1176	1186	rBV	905287	1822646	4.89%	0.518%
19	9.281	1201	1210	1213	rBV2	138736	330339	0.89%	0.094%
20	9.335	1213	1219	1224	rVV2	326557	754856	2.03%	0.215%
21	9.384	1224	1227	1235	rVB	86532	157432	0.42%	0.045%
22	9.756	1281	1288	1298	rBV	240554	494125	1.33%	0.141%
23	9.896	1305	1311	1316	rVB	266158	504907	1.36%	0.144%
24	9.957	1316	1321	1325	rBV	160503	286756	0.77%	0.082%
25	10.098	1338	1344	1356	rVB	189640	447151	1.20%	0.127%
26	10.250	1364	1369	1374	rVB3	89038	160073	0.43%	0.046%
27	10.323	1374	1381	1385	rBV	373643	700749	1.88%	0.199%
28	10.390	1385	1392	1399	rVB	1633124	2940403	7.89%	0.836%
29	10.506	1404	1411	1417	rVB4	199026	420806	1.13%	0.120%
30	10.664	1432	1437	1444	rBV2	83001	174730	0.47%	0.050%
31	10.750	1444	1451	1460	rVB6	127606	334128	0.90%	0.095%
32	10.927	1472	1480	1486	rBV2	111677	254032	0.68%	0.072%
33	11.177	1518	1521	1526	rVV	168580	307185	0.82%	0.087%
34	11.231	1526	1530	1534	rVV	120493	220357	0.59%	0.063%
35	11.280	1534	1538	1543	rVV6	70509	148483	0.40%	0.042%
36	11.408	1551	1559	1571	rVB3	183608	582631	1.56%	0.166%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

37	11.512	1571	1576	1590	rVB2	184212	402930	1.08%	0.115%
38	11.658	1590	1600	1605	rBV2	496921	1221880	3.28%	0.347%
39	11.731	1605	1612	1621	rVB	8014125	12959786	34.78%	3.686%
40	11.841	1621	1630	1640	rBV	17037768	37261428	100.00%	10.597%
41	11.920	1640	1643	1647	rVB2	110482	159160	0.43%	0.045%
42	12.042	1658	1663	1672	rVB4	53033	150741	0.40%	0.043%
43	12.164	1672	1683	1691	rBV	5351611	9290593	24.93%	2.642%
44	12.341	1707	1712	1715	rVV	191710	308745	0.83%	0.088%
45	12.384	1715	1719	1723	rVV2	230882	390639	1.05%	0.111%
46	12.469	1726	1733	1742	rVB	16849096	30351041	81.45%	8.632%
47	12.567	1747	1749	1753	rVB	128574	145263	0.39%	0.041%
48	12.695	1766	1770	1775	rBV4	170972	270194	0.73%	0.077%
49	12.804	1780	1788	1793	rBV	3554257	5664495	15.20%	1.611%
50	12.865	1793	1798	1802	rBV	10465347	18782373	50.41%	5.342%
51	12.902	1802	1804	1807	rVV	5898206	7446078	19.98%	2.118%
52	12.945	1807	1811	1817	rVB	8347159	13073950	35.09%	3.718%
53	12.993	1817	1819	1824	rVB2	138668	160359	0.43%	0.046%
54	13.103	1824	1837	1844	rBV	4721283	7836264	21.03%	2.229%
55	13.170	1844	1848	1852	rBV3	120966	269178	0.72%	0.077%
56	13.255	1855	1862	1868	rBV	16673221	29012167	77.86%	8.251%
57	13.298	1868	1869	1874	rVB2	223676	239589	0.64%	0.068%
58	13.384	1875	1883	1887	rVB3	719479	1669051	4.48%	0.475%
59	13.438	1887	1892	1897	rBV	1375164	2230226	5.99%	0.634%
60	13.493	1897	1901	1907	rVB	755007	1300328	3.49%	0.370%
61	13.585	1907	1916	1924	rBV	5818308	9418763	25.28%	2.679%
62	13.652	1925	1927	1931	rVB	149601	171747	0.46%	0.049%
63	13.719	1932	1938	1939	rBV	1447218	1952381	5.24%	0.555%
64	13.749	1939	1943	1947	rVV3	5326412	9853493	26.44%	2.802%
65	13.792	1947	1950	1959	rVB3	3702231	7271744	19.52%	2.068%
66	13.871	1959	1963	1969	rVB3	1126496	1992834	5.35%	0.567%
67	13.944	1969	1975	1980	rBV2	2030846	3493638	9.38%	0.994%
68	14.011	1980	1986	1988	rBV	2256554	3585395	9.62%	1.020%
69	14.036	1988	1990	1995	rVB	2334894	3202610	8.59%	0.911%
70	14.097	1995	2000	2005	rVB	3761993	5623954	15.09%	1.599%
71	14.158	2005	2010	2012	rBV	404792	584011	1.57%	0.166%
72	14.200	2012	2017	2022	rVB3	2075183	3545095	9.51%	1.008%
73	14.249	2022	2025	2027	rBV	180828	224893	0.60%	0.064%
74	14.335	2034	2039	2044	rVB2	1070823	1595103	4.28%	0.454%
75	14.414	2044	2052	2055	rBV	2633109	4527769	12.15%	1.288%
76	14.456	2055	2059	2063	rVV	3410722	5382292	14.44%	1.531%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
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Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

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	14.499	2063	2066	2069	rVV2	1429764	2066686	5.55%	0.588%
78	14.536	2069	2072	2080	rVV2	781025	1461833	3.92%	0.416%
79	14.603	2080	2083	2084	rVV	162411	189195	0.51%	0.054%
80	14.639	2084	2089	2092	rVV	764861	1124277	3.02%	0.320%
81	14.688	2092	2097	2101	rVV2	1575133	2893009	7.76%	0.823%
82	14.725	2101	2103	2108	rVB	1066886	1451535	3.90%	0.413%
83	14.792	2108	2114	2121	rBV3	2885203	7582347	20.35%	2.156%
84	14.853	2121	2124	2135	rVB2	1051082	2192058	5.88%	0.623%
85	14.956	2135	2141	2148	rBV2	859672	1542756	4.14%	0.439%
86	15.023	2148	2152	2153	rBV	244024	273412	0.73%	0.078%
87	15.066	2153	2159	2170	rVV2	1701572	4425900	11.88%	1.259%
88	15.170	2170	2176	2186	rVB3	1269738	2833200	7.60%	0.806%
89	15.365	2195	2208	2215	rBV	12022891	24116062	64.72%	6.859%
90	15.462	2219	2224	2229	rBV2	714824	1218643	3.27%	0.347%
91	15.517	2229	2233	2237	rBV2	186252	279418	0.75%	0.079%
92	15.651	2247	2255	2261	rBV	959475	1850605	4.97%	0.526%
93	15.725	2263	2267	2271	rVV	115163	213757	0.57%	0.061%
94	15.822	2271	2283	2296	rVV5	540739	2077181	5.57%	0.591%
95	15.944	2297	2303	2308	rVV	462271	877354	2.35%	0.250%
96	16.023	2309	2316	2322	rVB2	316203	699845	1.88%	0.199%
97	16.170	2330	2340	2345	rBV2	198209	528334	1.42%	0.150%
98	16.371	2362	2373	2377	rBV4	273139	784511	2.11%	0.223%
99	16.438	2377	2384	2398	rVB	6845271	15202509	40.80%	4.324%
100	16.639	2408	2417	2430	rVB2	3407276	7672336	20.59%	2.182%

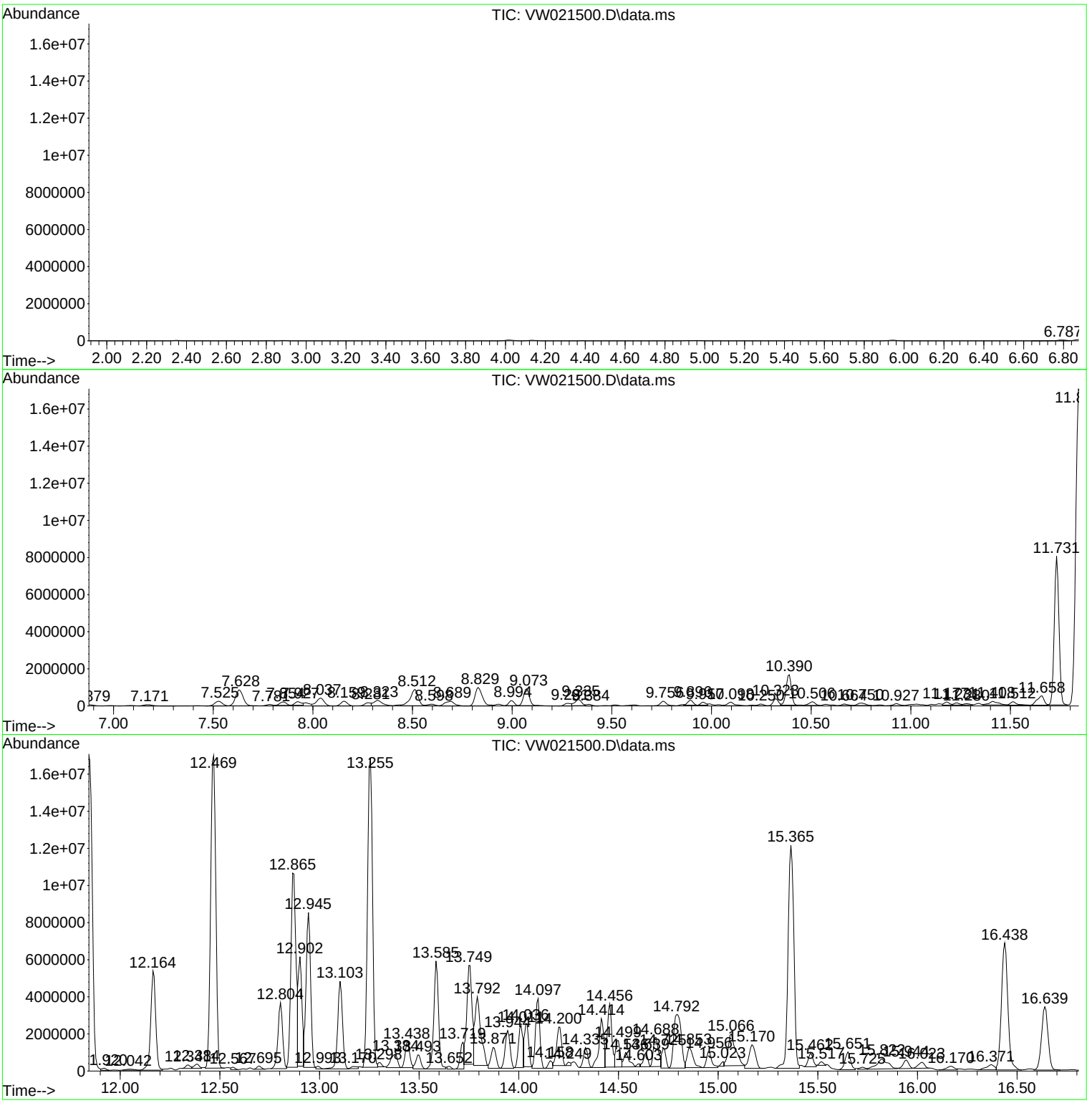
Sum of corrected areas: 351622751

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

Quant 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\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

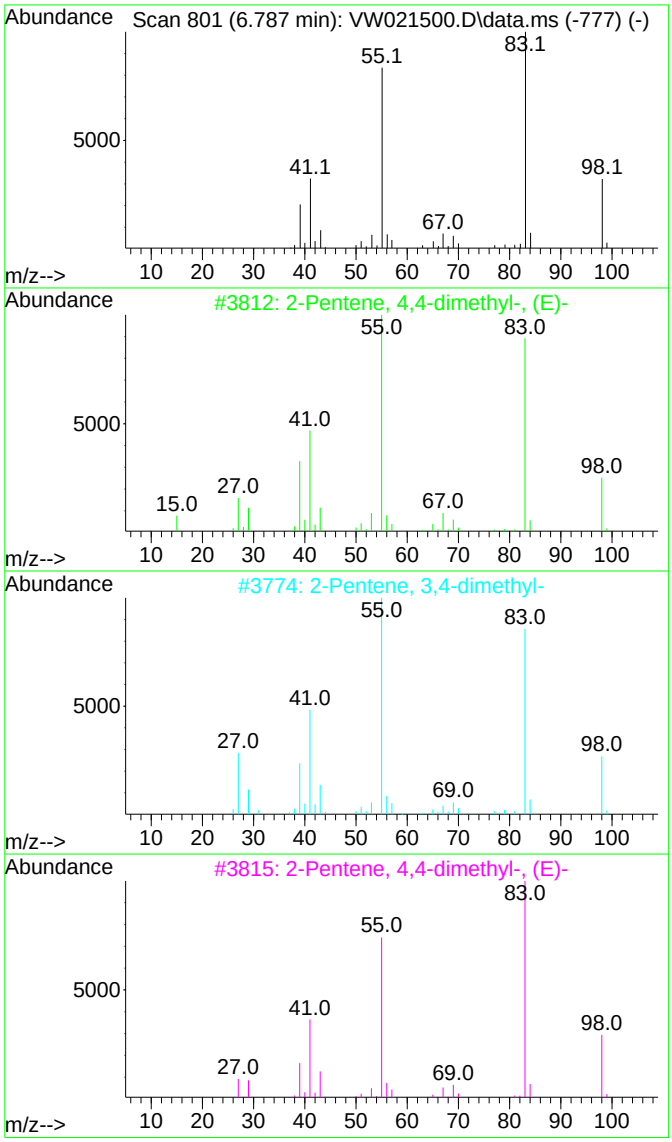
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

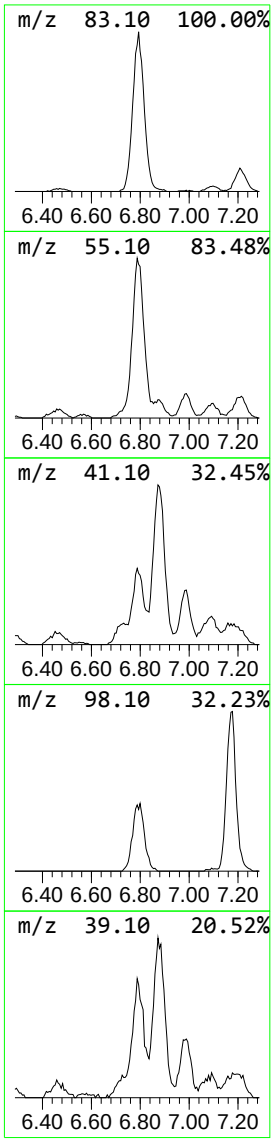
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.787	1.70 ug/L	173476	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	91
2	2-Pentene, 3,4-dimethyl-	98	C7H14	024910-63-2	91
3	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	91
4	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	91
5	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

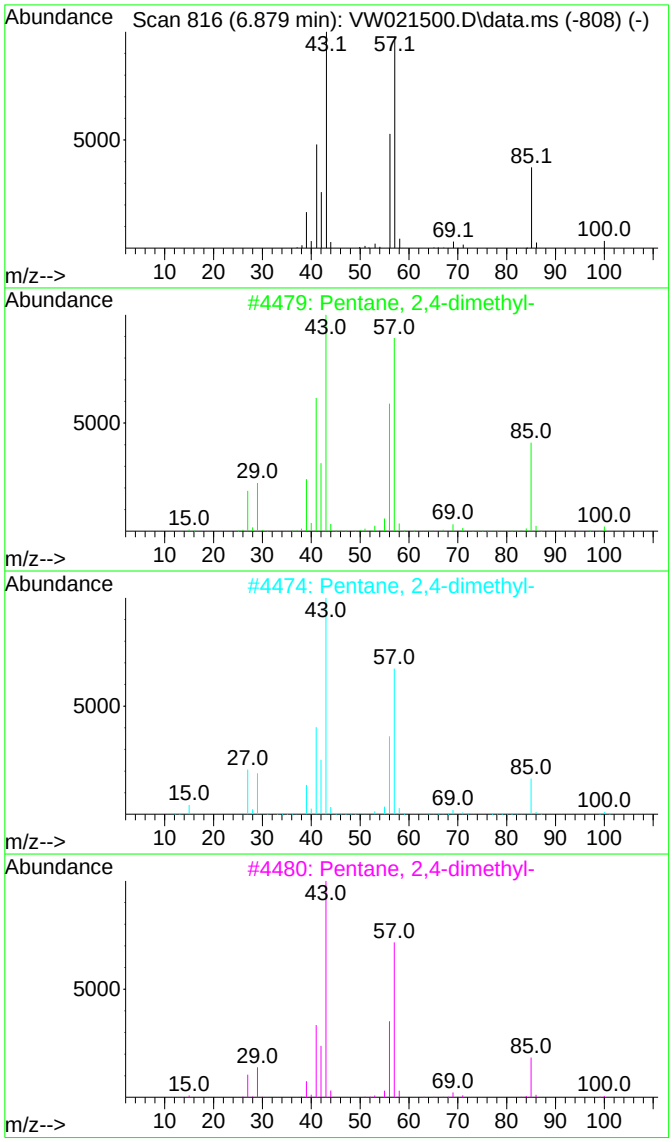
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

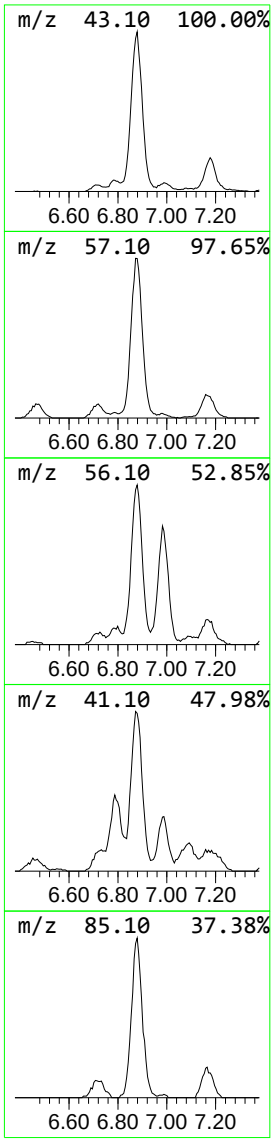
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.879	1.92 ug/L	196216	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	83
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	72
5	Hexane, 2-methyl-	100	C7H16	000591-76-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

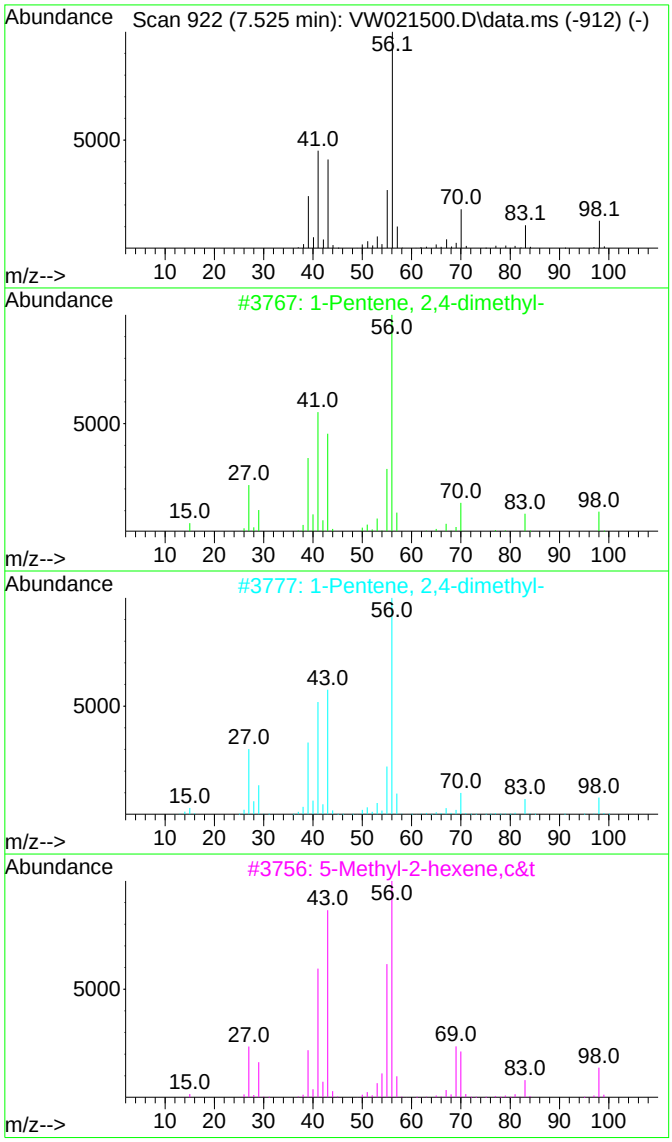
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

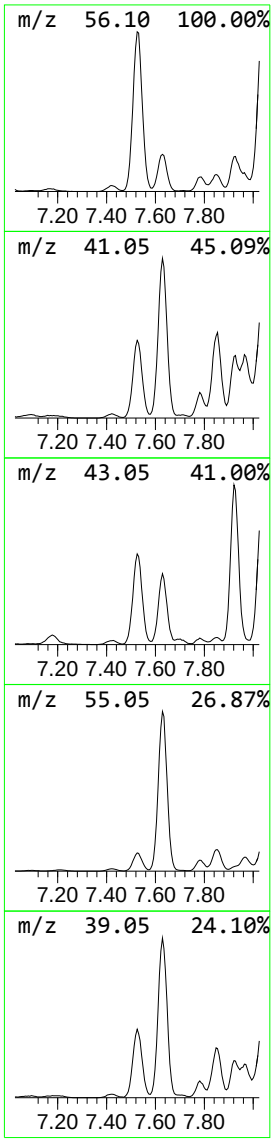
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.525	6.55 ug/L	669477	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	91
2	1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	91
3	5-Methyl-2-hexene,c&t	98	C7H14	003404-62-4	72
4	1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	64
5	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

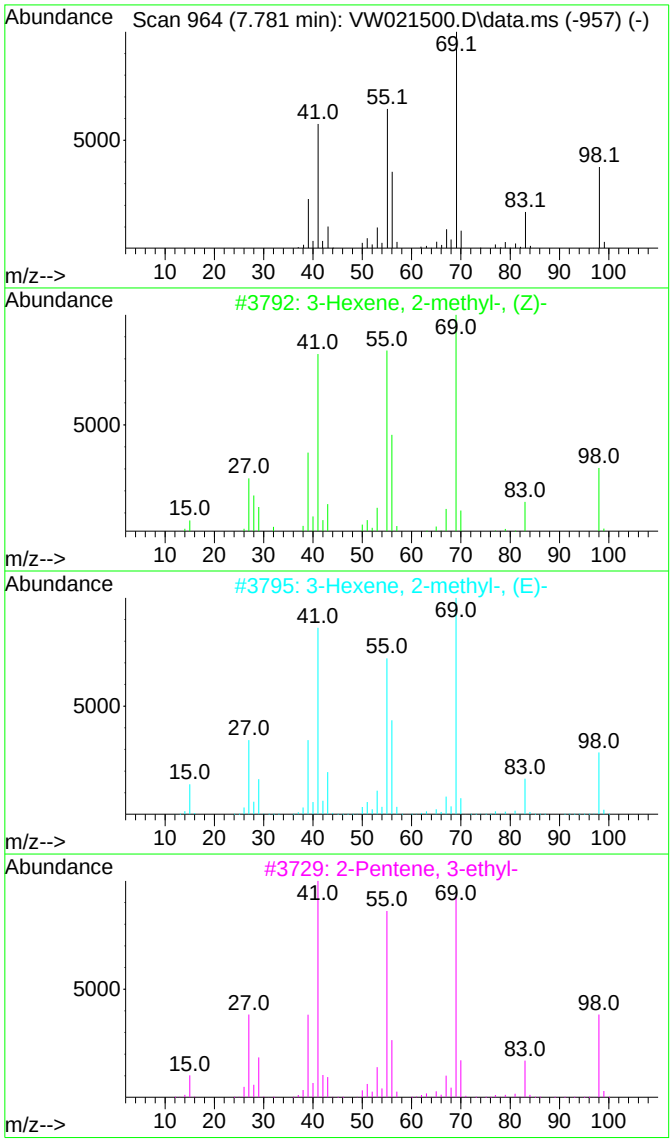
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

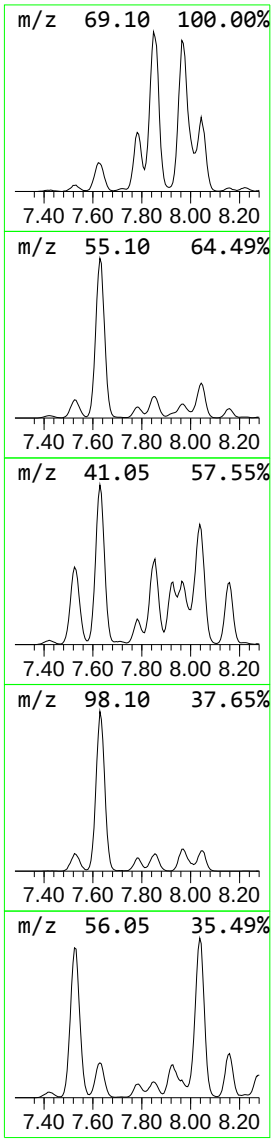
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.781	1.76 ug/L	180130	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	91
2	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	91
3	2-Pentene, 3-ethyl-	98	C7H14	000816-79-5	86
4	2-Hexene, 2-methyl-	98	C7H14	002738-19-4	86
5	2-Hexene, 2-methyl-	98	C7H14	002738-19-4	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

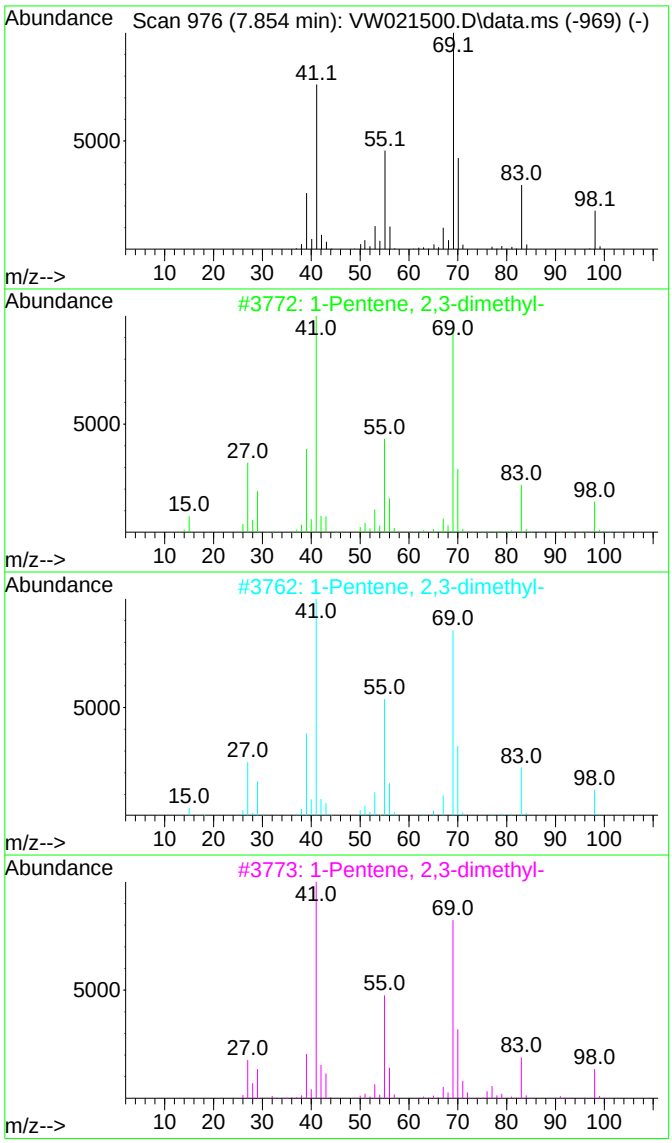
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

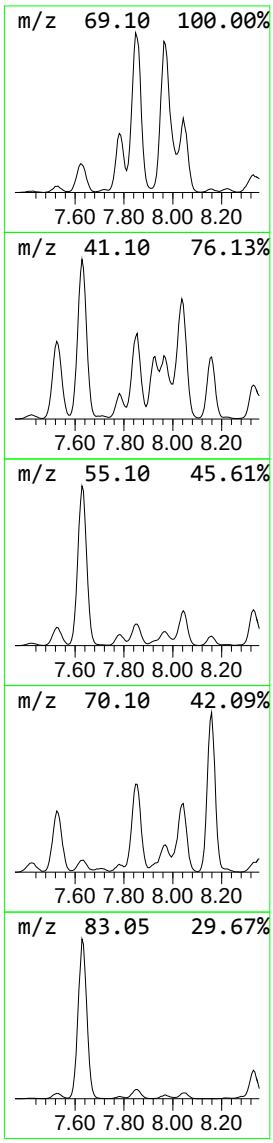
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.854	4.02 ug/L	411136	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	91
2	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	91
3	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	90
4	2-Hexene, 4-methyl-, (E)-	98	C7H14	003683-22-5	76
5	4-Methyl-2-hexene,c&t	98	C7H14	003404-55-5	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

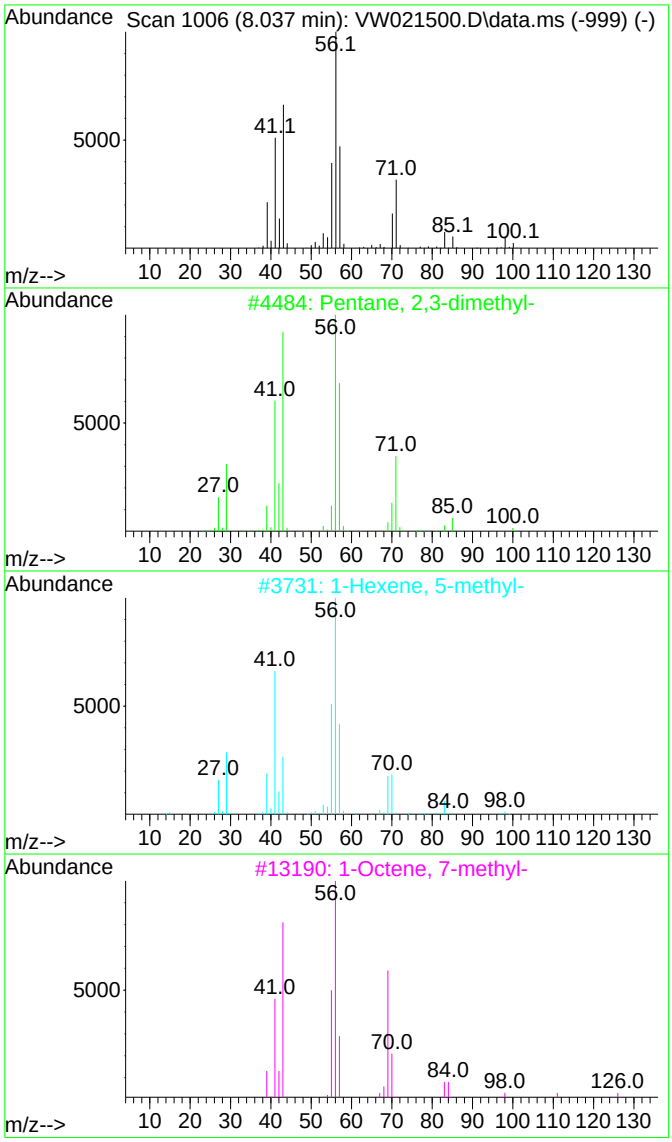
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

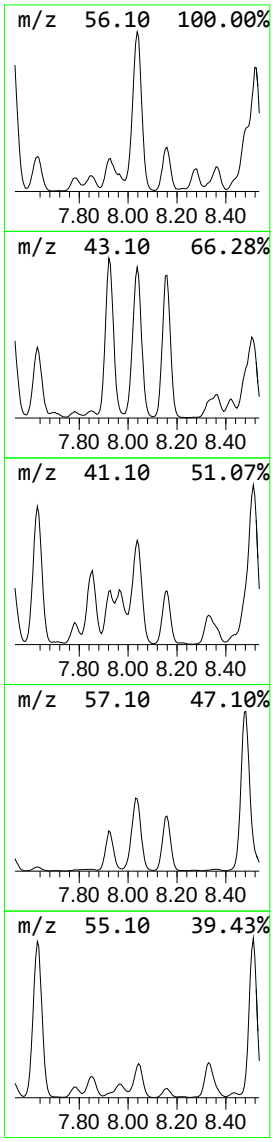
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.037	11.11 ug/L	1134540	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	78
2	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	59
3	1-Octene, 7-methyl-	126	C9H18	013151-06-9	59
4	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	53
5	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

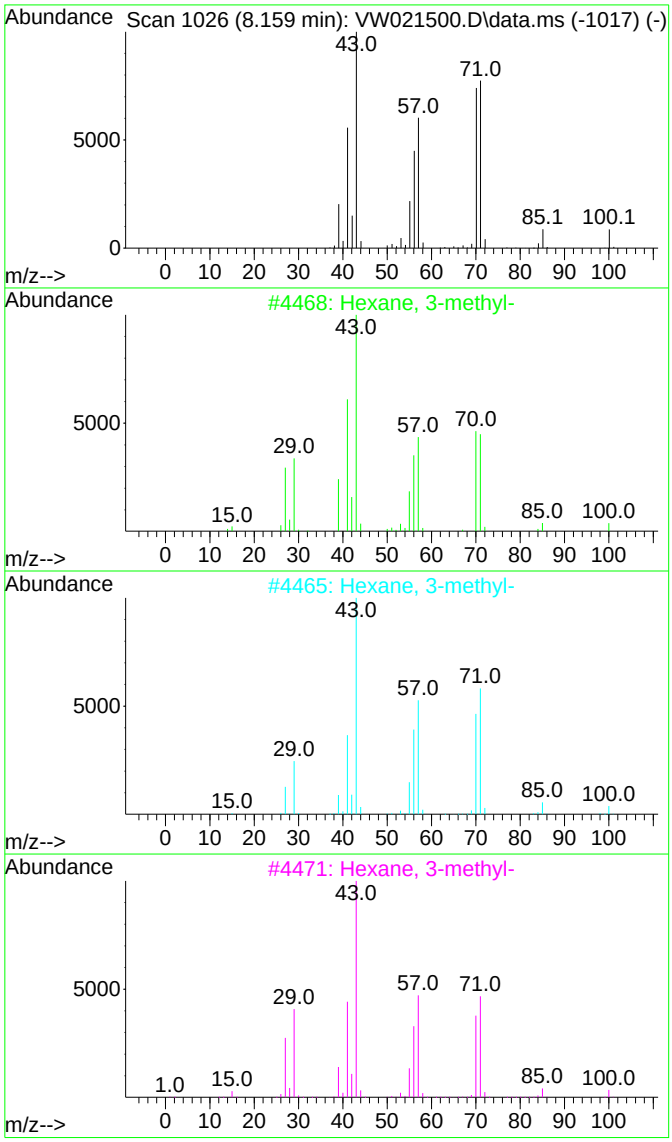
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

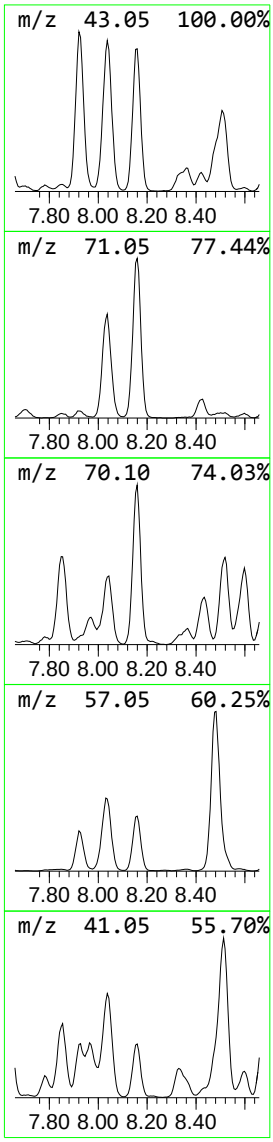
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.159	5.66 ug/L	578055	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	95
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	76
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

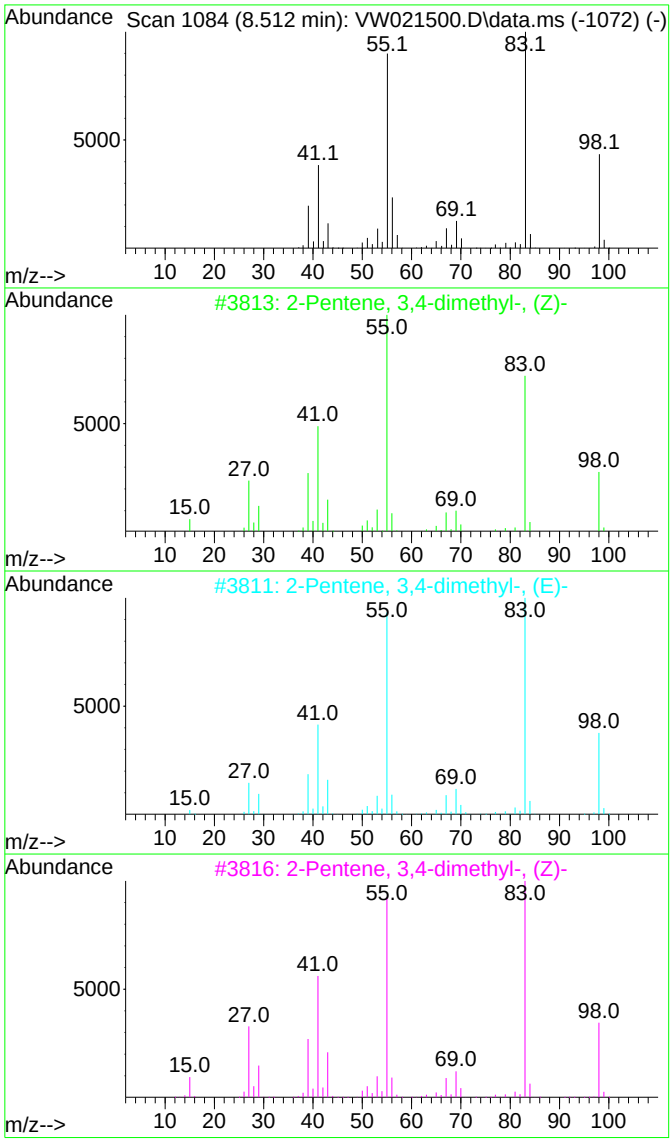
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

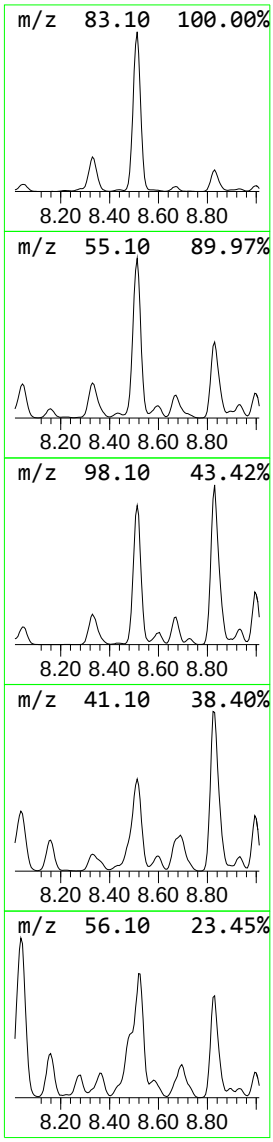
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.512	23.58 ug/L	2408620	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	90
2	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
3	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	90
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	90
5	Cyclopropane, 1,1,2,3-tetramethyl-	98	C7H14	074752-93-5	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

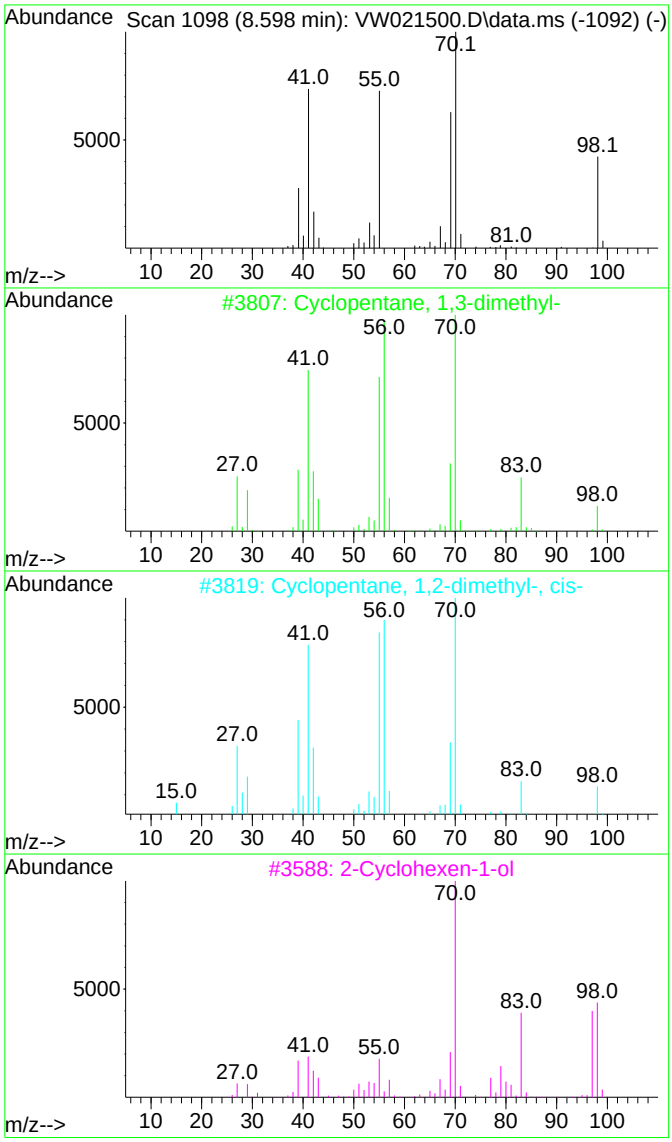
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

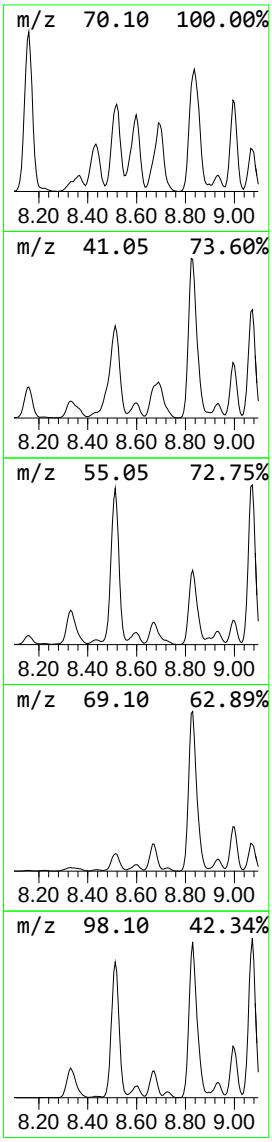
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Cyclic8.598 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.598	1.93 ug/L	197382	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	72
2	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72
3	2-Cyclohexen-1-ol	98	C6H10O	000822-67-3	64
4	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	64
5	Butane, 2-cyclopropyl-	98	C7H14	005750-02-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

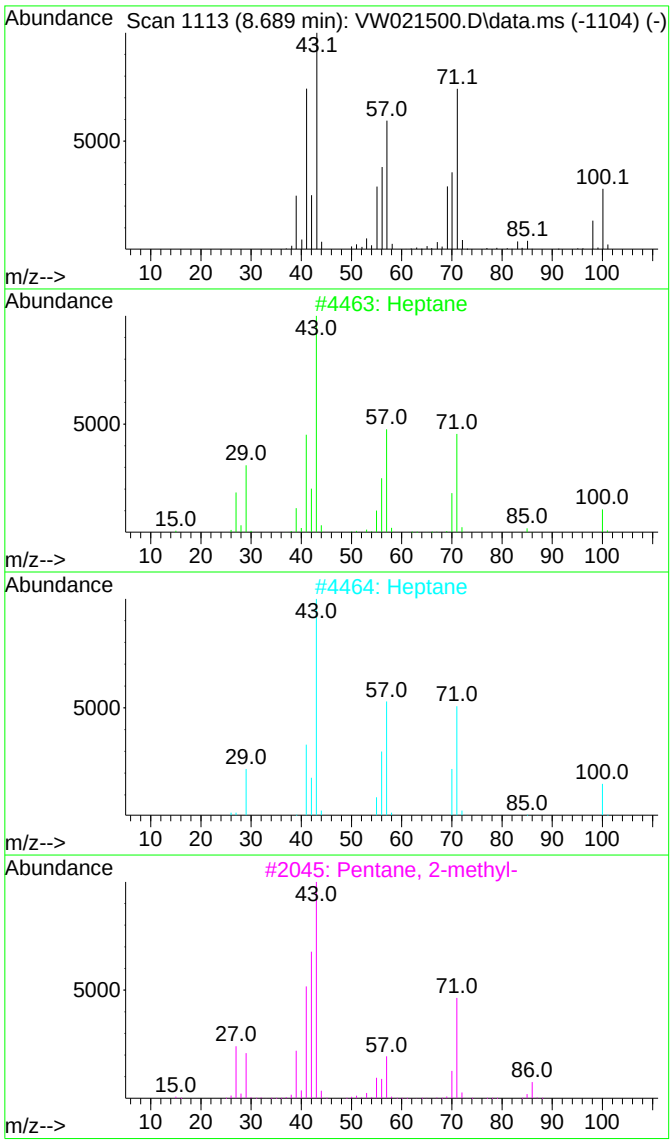
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

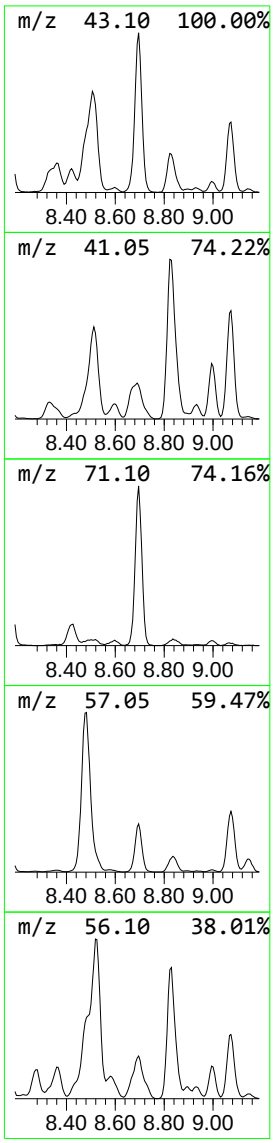
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.689	8.11 ug/L	828894	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Heptane	100	C7H16	000142-82-5	64
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	53
4	Heptane	100	C7H16	000142-82-5	50
5	1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

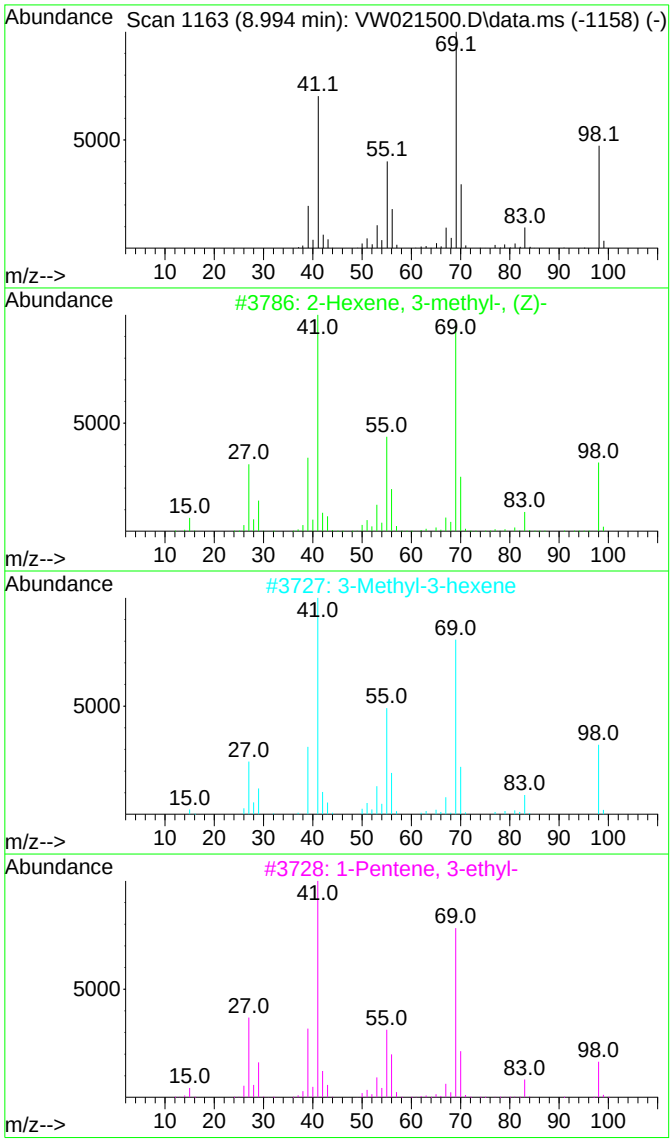
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

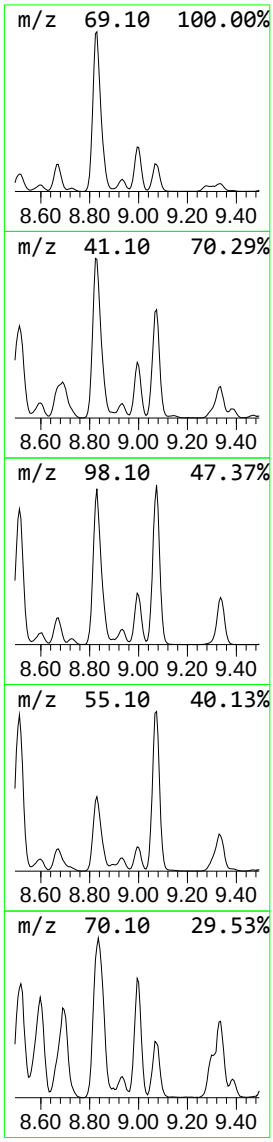
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.994	4.82 ug/L	491855	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	91
2	3-Methyl-3-hexene	98	C7H14	003404-65-7	90
3	1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	86
4	(Z)-4-Methyl-2-hexene	98	C7H14	003683-19-0	72
5	2-Hexene, 2-methyl-	98	C7H14	002738-19-4	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

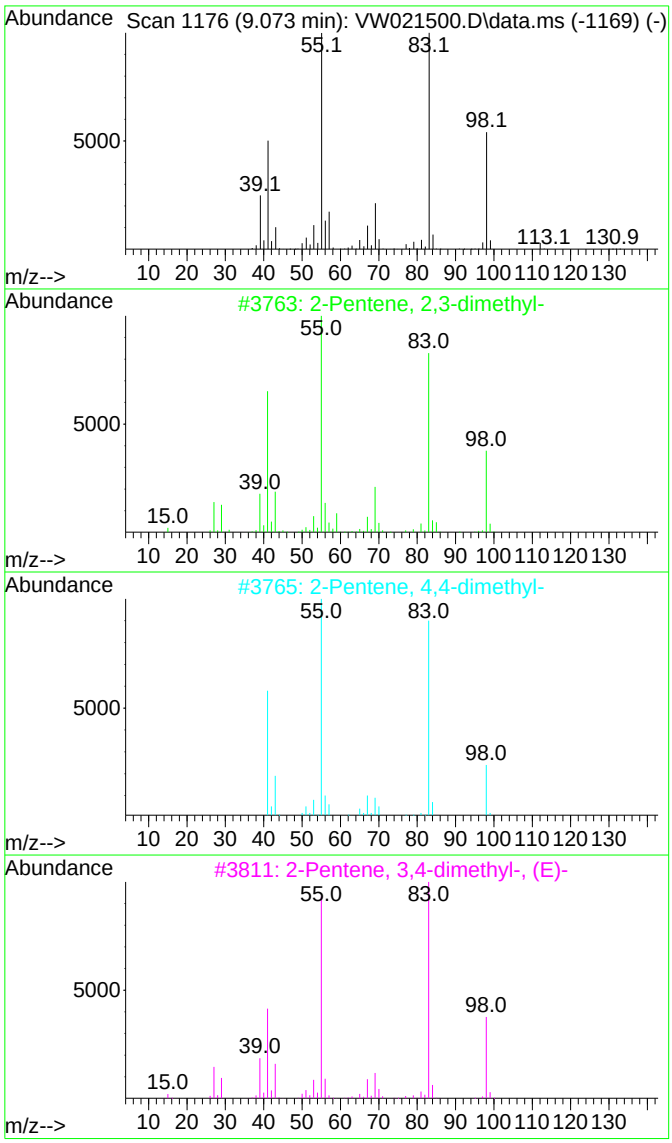
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

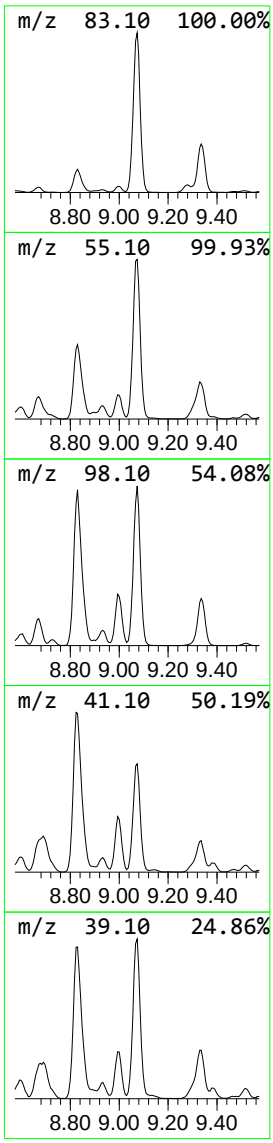
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.073	17.84 ug/L	1822650	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	91
2	2-Pentene, 4,4-dimethyl-	98	C7H14	026232-98-4	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	90
5	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

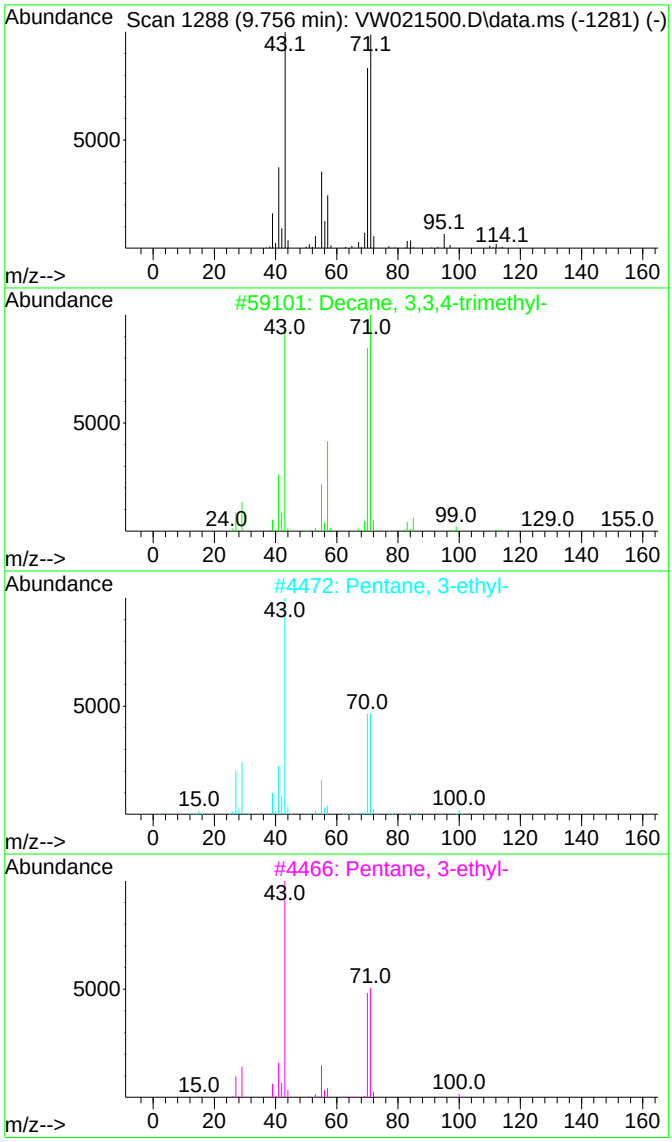
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

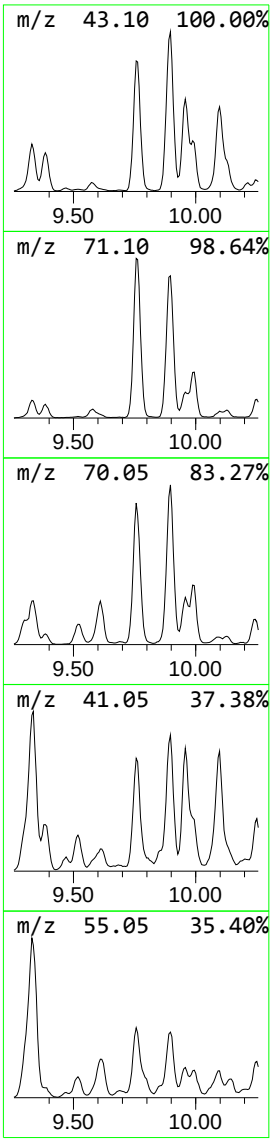
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.756	4.84 ug/L	494125	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	78
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
3	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
4	3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	72
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

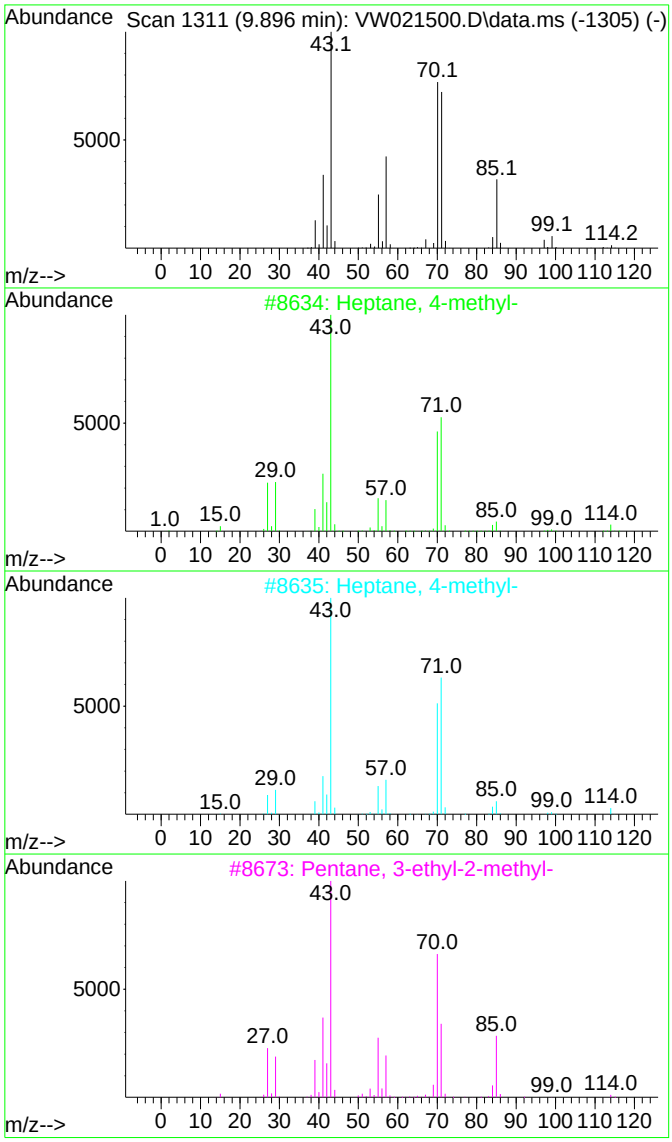
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

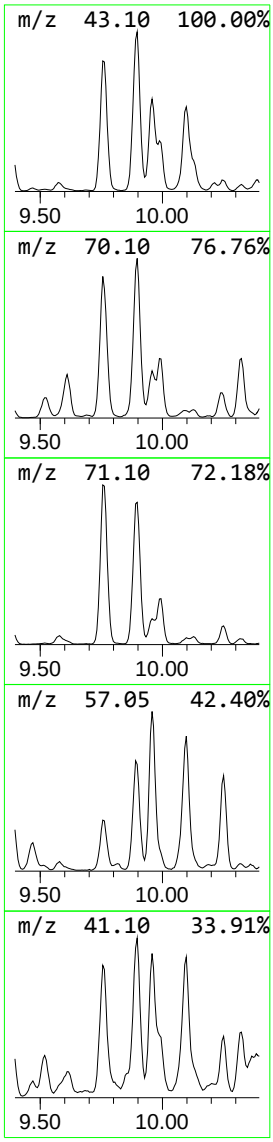
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.896	4.94 ug/L	504907	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-methyl-	114	C8H18	000589-53-7	80
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
3	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	64
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	64
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

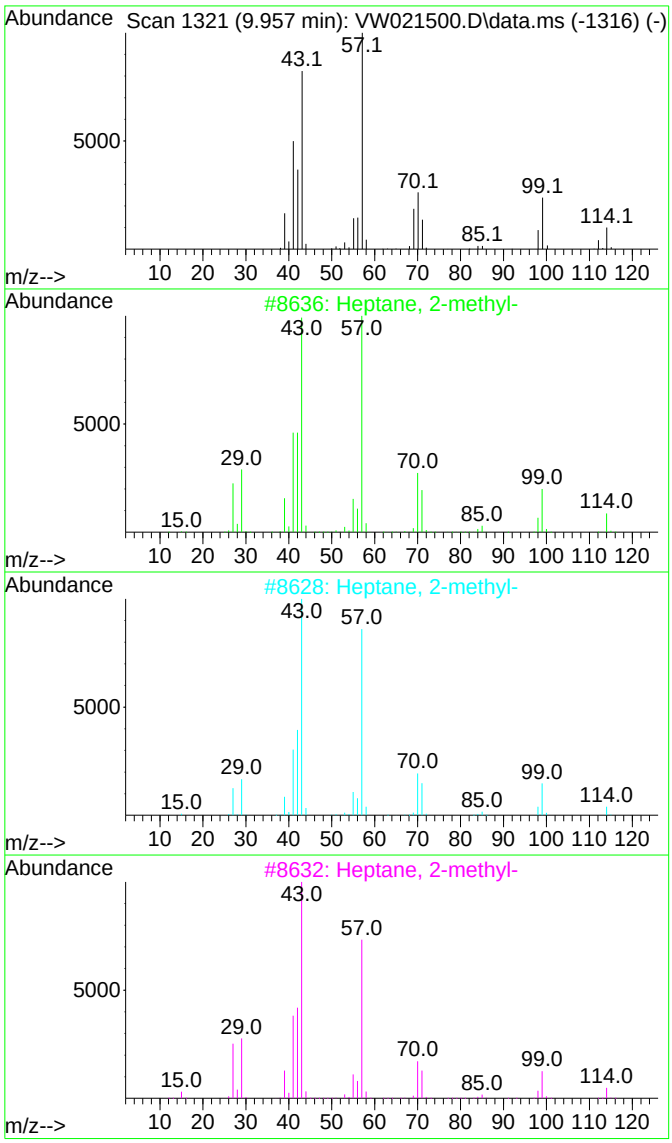
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

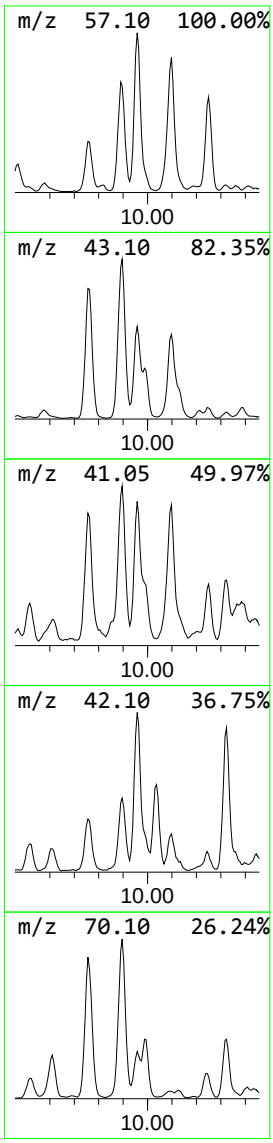
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.957	2.81 ug/L	286756	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	90
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	74
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	52
4	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	47
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

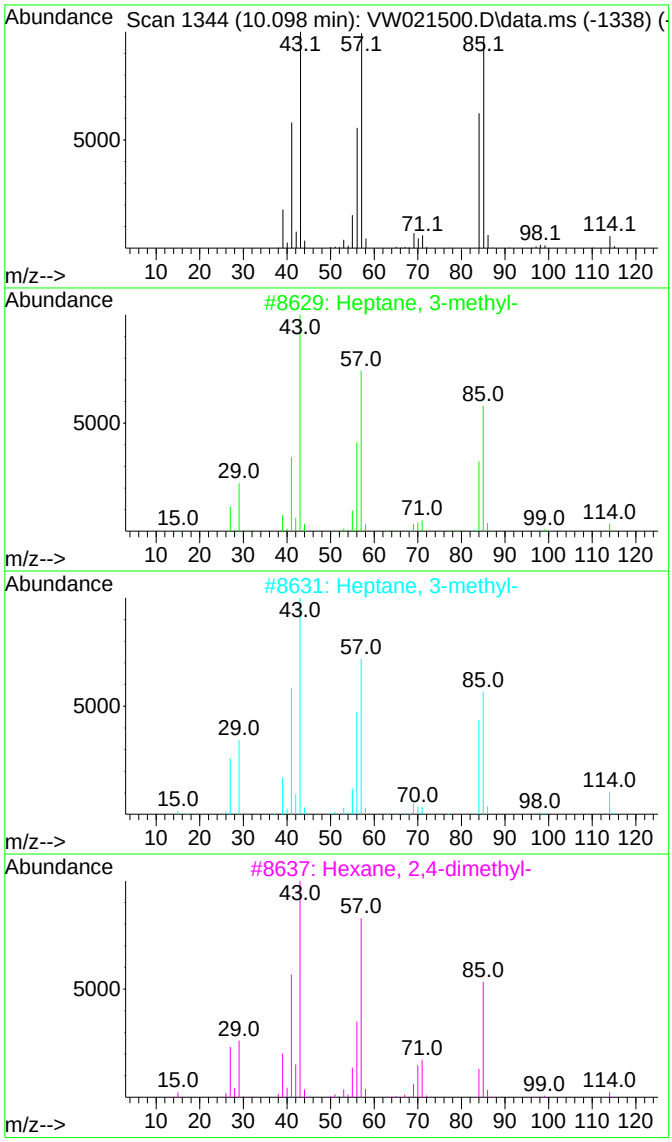
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

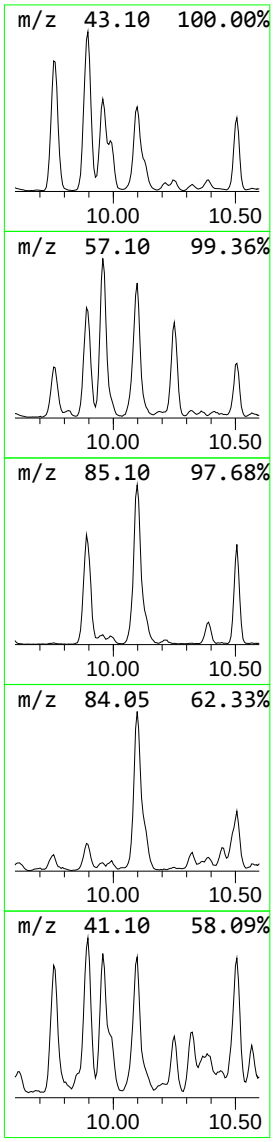
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.098	4.38 ug/L	447151	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	81
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
4	Butanoic acid, 2-methyl-, 2-meth...	186	C11H22O2	083783-88-4	72
5	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

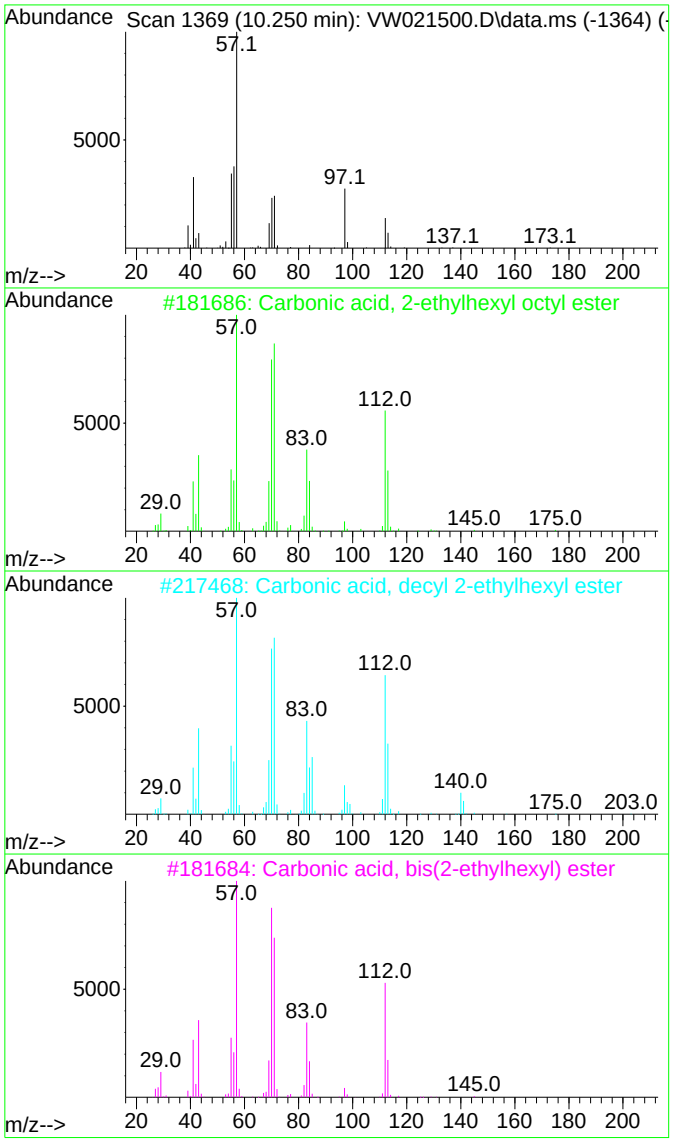
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

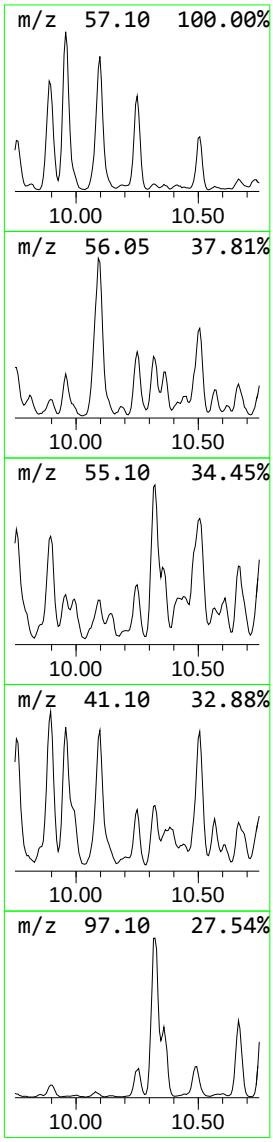
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Carbonic acid, 2-ethylhexyl... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.250	3.28 ug/L	160073	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, 2-ethylhexyl octy...	286	C17H34O3	1000383-13-5	64
2	Carbonic acid, decyl 2-ethylhexy...	314	C19H38O3	1000383-13-7	59
3	Carbonic acid, bis(2-ethylhexyl)...	286	C17H34O3	014858-73-2	50
4	Carbonic acid, butyl octyl ester	230	C13H26O3	1010314-63-5	45
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

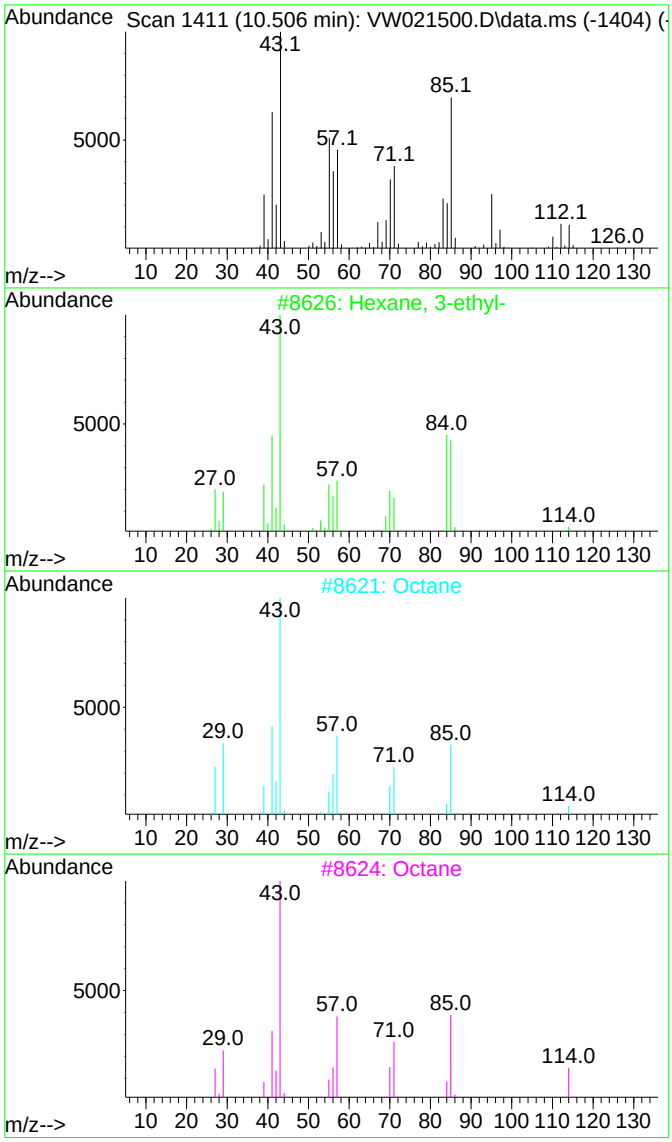
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

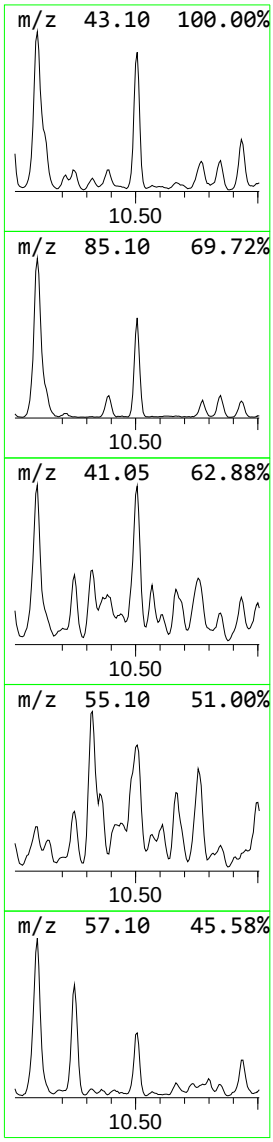
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.506	8.61 ug/L	420806	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-	114	C8H18	000619-99-8	50
2	Octane	114	C8H18	000111-65-9	49
3	Octane	114	C8H18	000111-65-9	47
4	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	38
5	3-Octene, (E)-	112	C8H16	014919-01-8	30





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Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

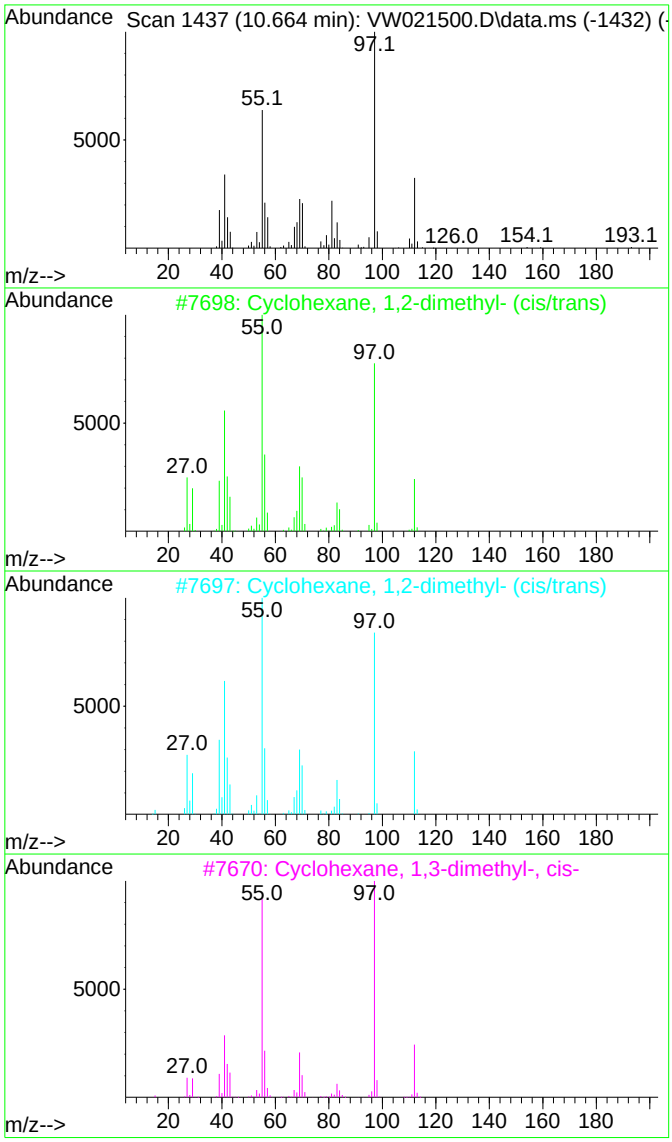
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

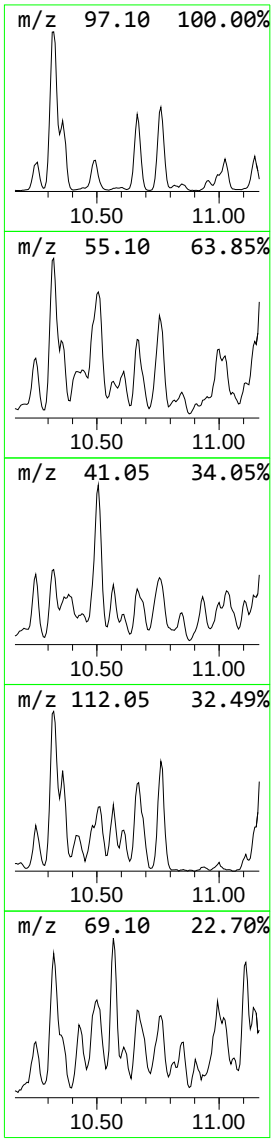
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Cyclic10.665 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.665	3.58 ug/L	174730	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	87
3	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	83
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	83
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

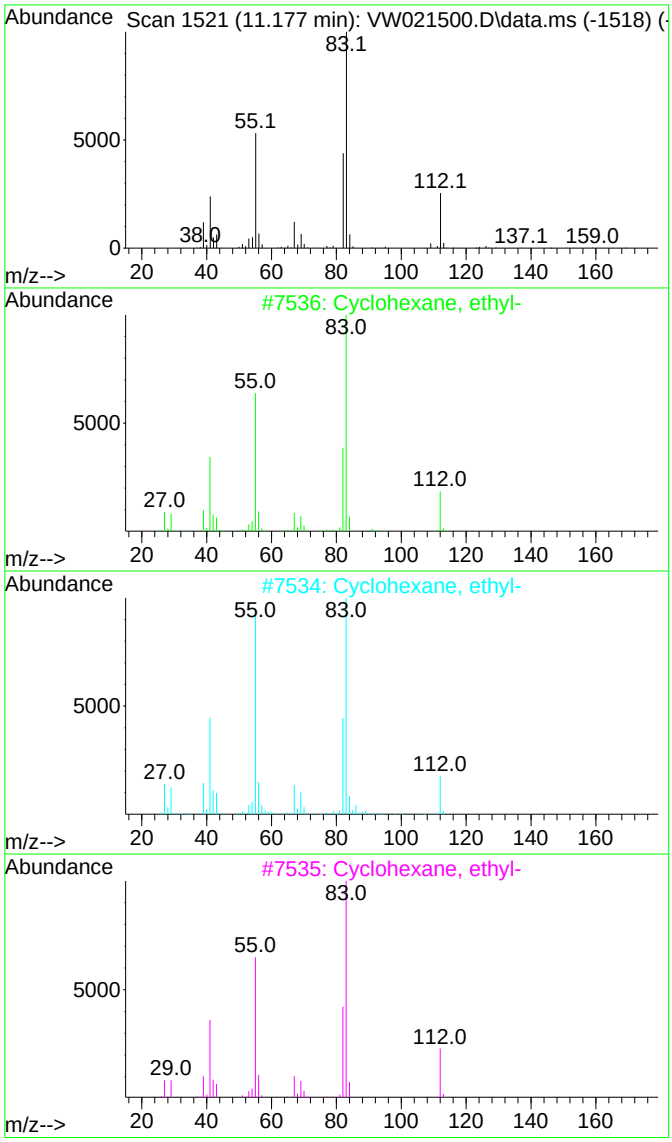
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

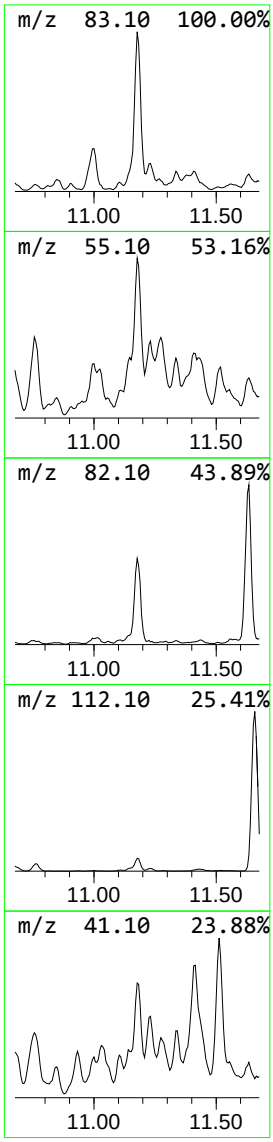
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic11.177 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.177	6.29 ug/L	307185	Chlorobenzene-d5	11.634

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	91
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

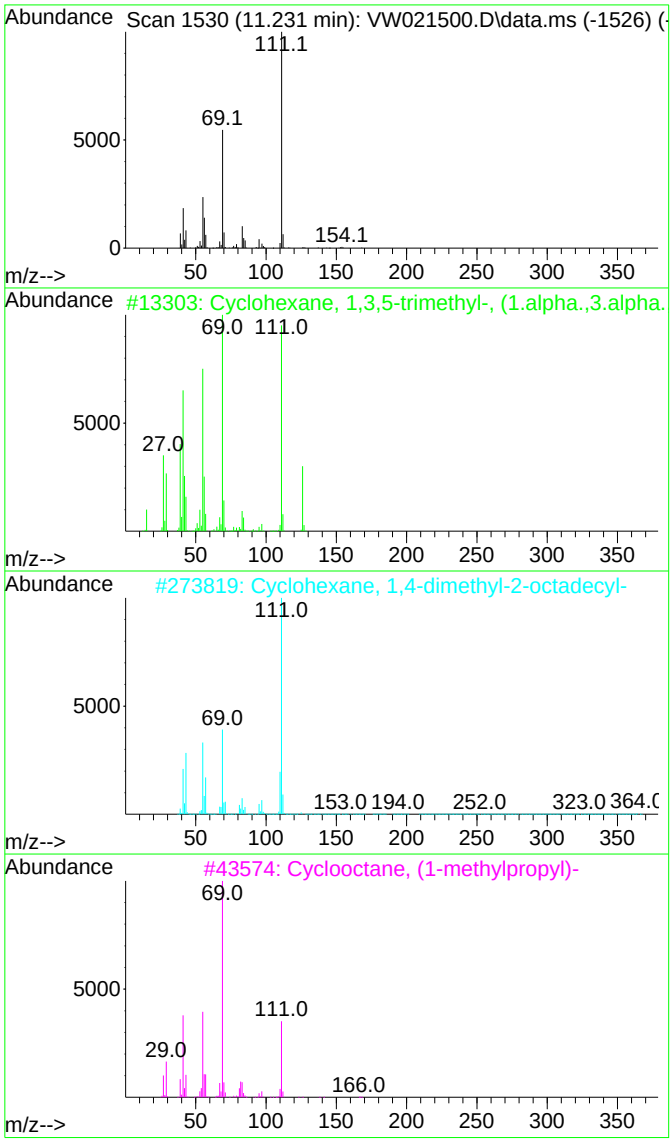
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

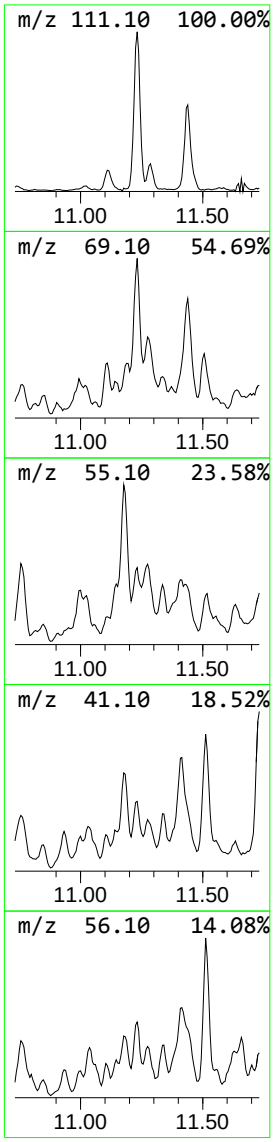
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Cyclic11.232 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.232	4.51 ug/L	220357	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	56
2	Cyclohexane, 1,4-dimethyl-2-octa...	364	C26H52	055282-02-5	56
3	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	56
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	45
5	1-Butanone, 1-(2-thienyl)-	154	C8H10OS	005333-83-5	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

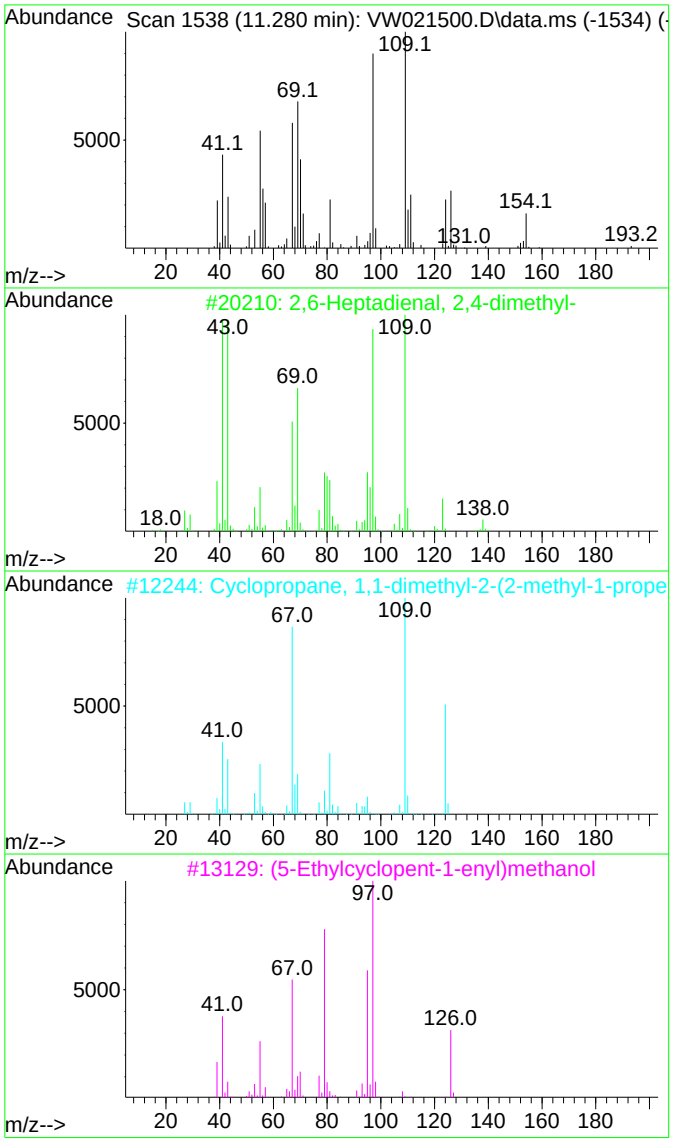
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

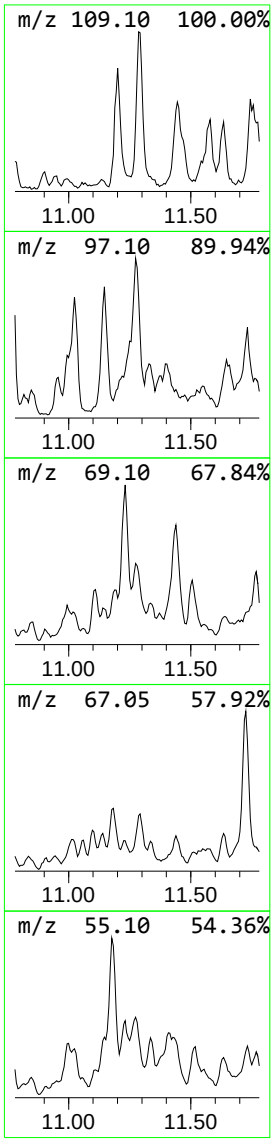
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 2,6-Heptadienal, 2,4-dimethyl- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.280	3.04 ug/L	148483	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Heptadienal, 2,4-dimethyl-	138	C9H14O	085136-08-9	50
2	Cyclopropane, 1,1-dimethyl-2-(2-...	124	C9H16	033422-32-1	30
3	(5-Ethylcyclopent-1-enyl)methanol	126	C8H14O	036431-59-1	30
4	2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	27
5	Cyclopentanecarboxylic acid, all...	154	C9H14O2	178905-33-4	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

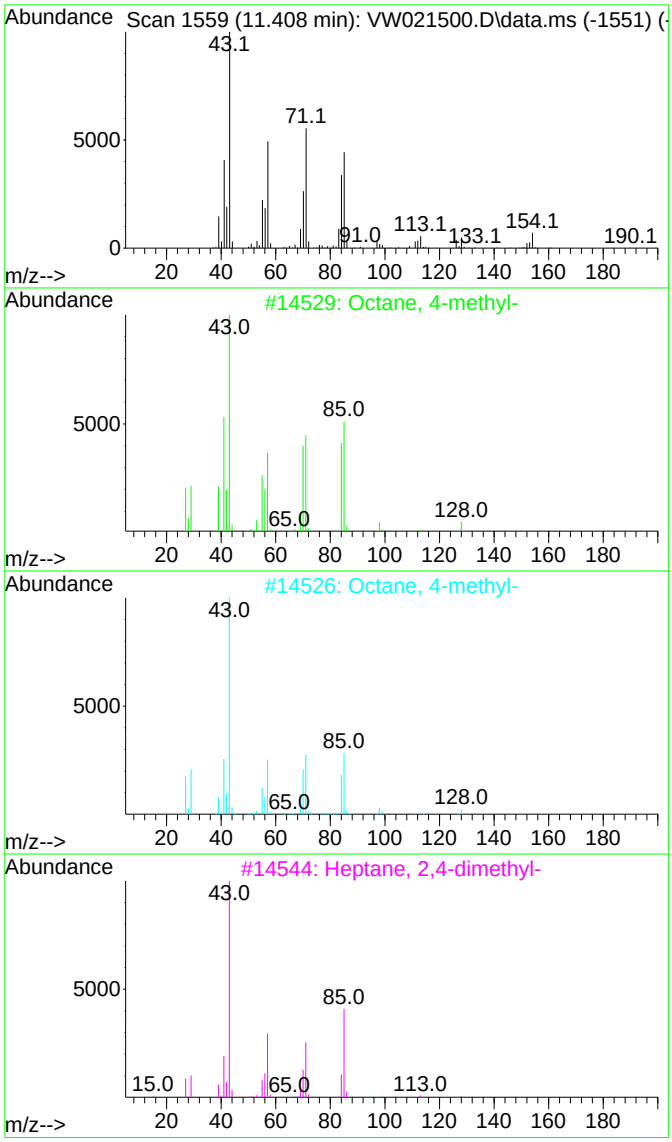
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

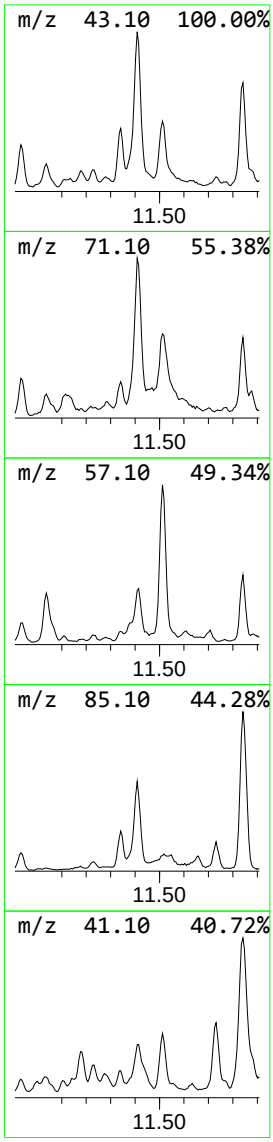
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.408	11.92 ug/L	582631	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	76
2	Octane, 4-methyl-	128	C9H20	002216-34-4	68
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	58
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
5	Octane, 2-methyl-	128	C9H20	003221-61-2	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

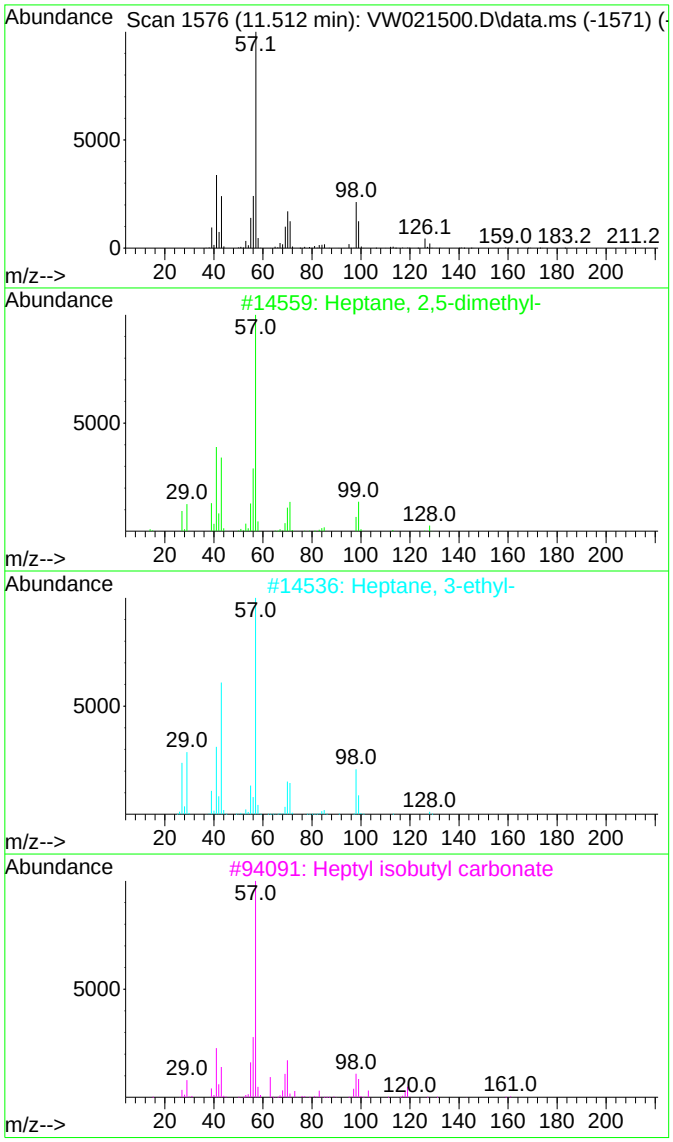
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

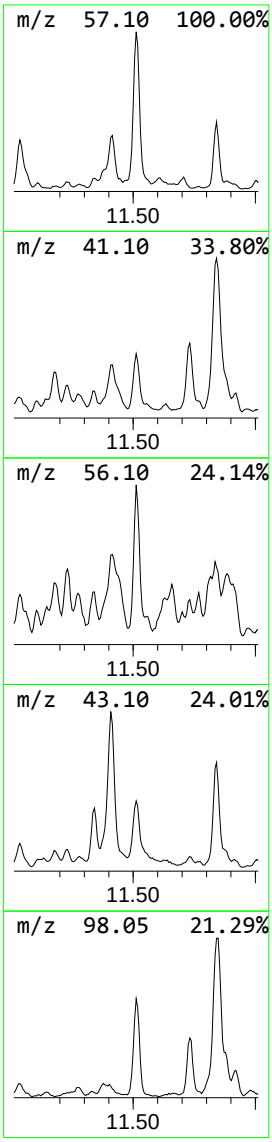
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	8.24 ug/L	402930	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	70
2	Heptane, 3-ethyl-	128	C9H20	015869-80-4	70
3	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	59
4	Octane, 3-methyl-	128	C9H20	002216-33-3	58
5	Octane, 3-methyl-	128	C9H20	002216-33-3	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

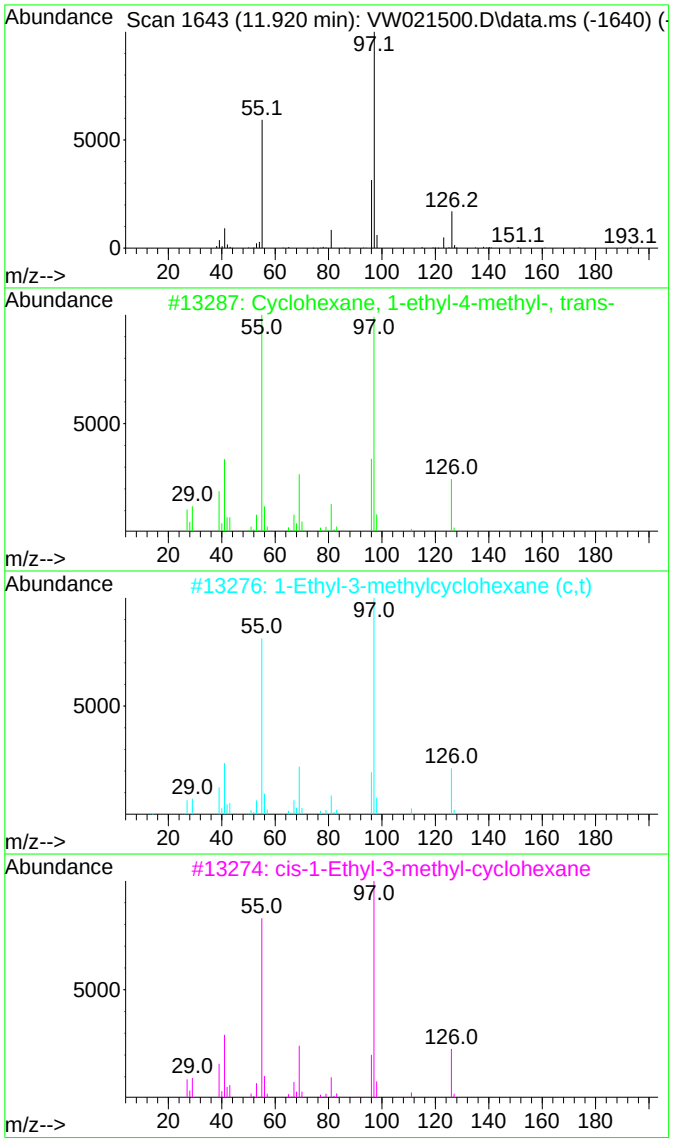
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

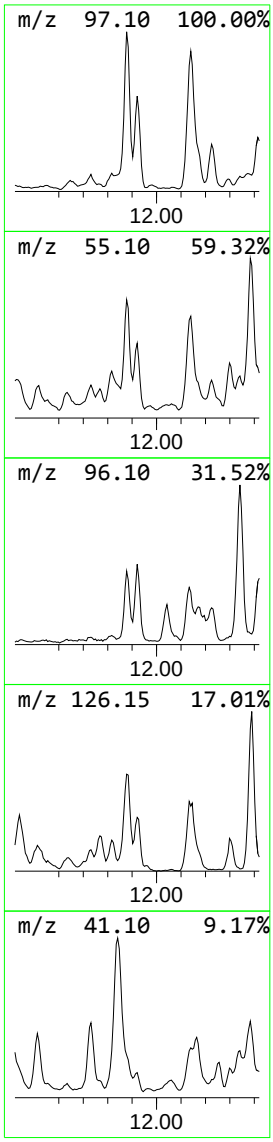
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Cyclic11.920 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.920	3.26 ug/L	159160	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	78
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	72
3	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	72
4	4-Octen-3-one	126	C8H14O	014129-48-7	59
5	Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

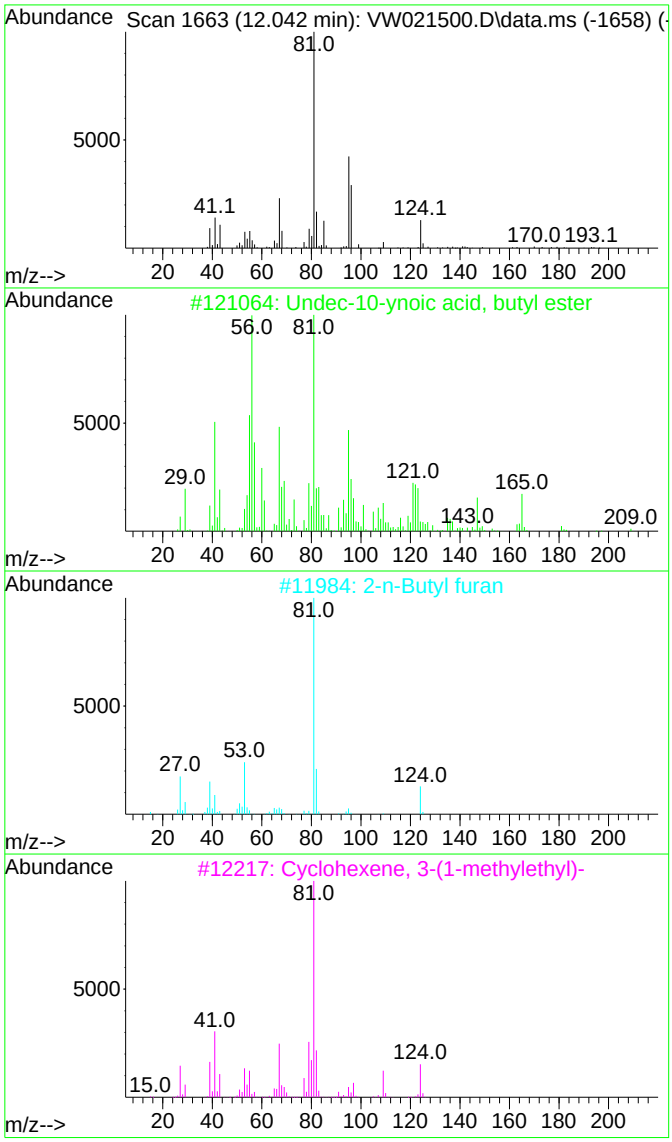
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

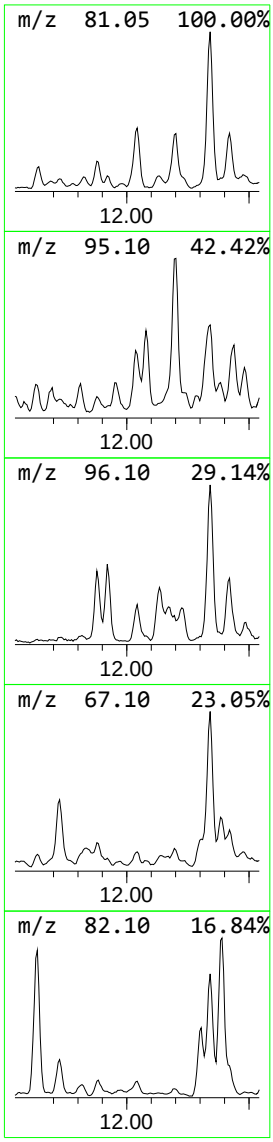
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Undec-10-ynoic acid, butyl ... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.042	3.08 ug/L	150741	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undec-10-ynoic acid, butyl ester	238	C15H26O2	1000406-15-7	56
2	2-n-Butyl furan	124	C8H12O	004466-24-4	38
3	Cyclohexene, 3-(1-methylethyl)-	124	C9H16	003983-08-2	38
4	Spiro[3.5]nonan-1-one	138	C9H14O	029800-45-1	38
5	Cyclohexene, 3-(1-methylethyl)-	124	C9H16	003983-08-2	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

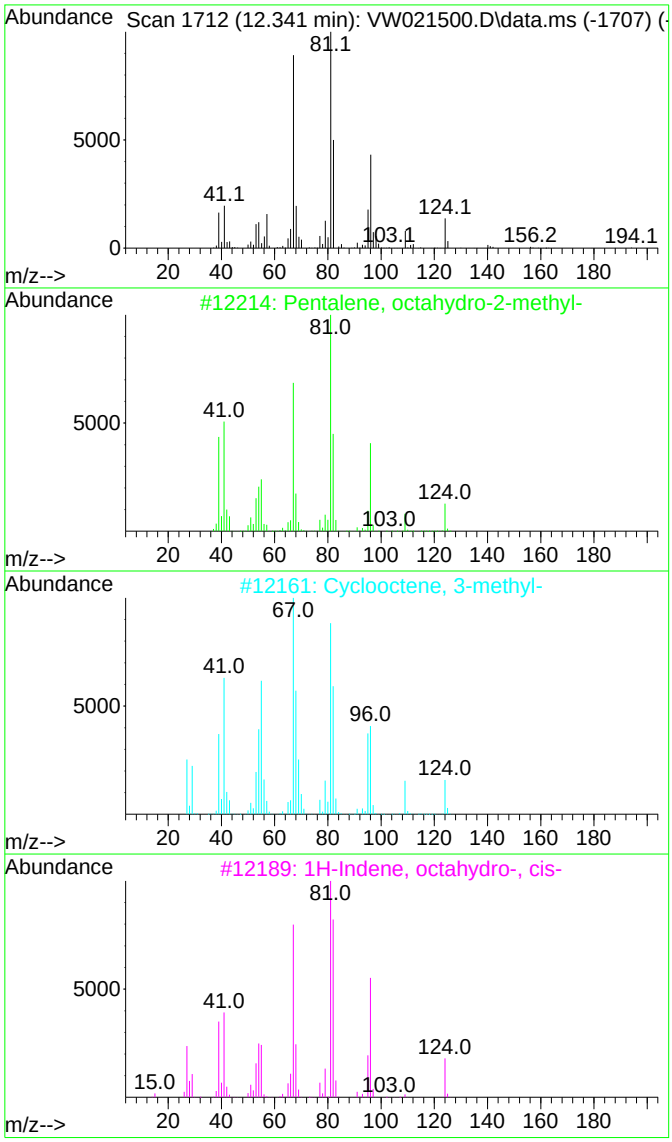
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

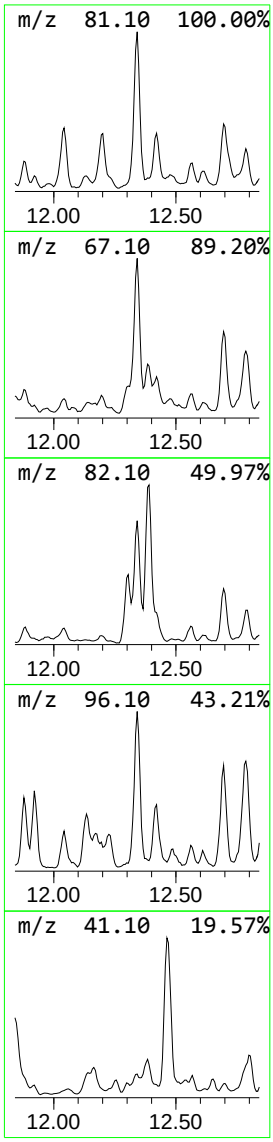
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Pentalene, octahydro-2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.341	6.32 ug/L	308745	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	91
2	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	80
3	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	72
4	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	62
5	1H-Indene, octahydro-	124	C9H16	000496-10-6	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

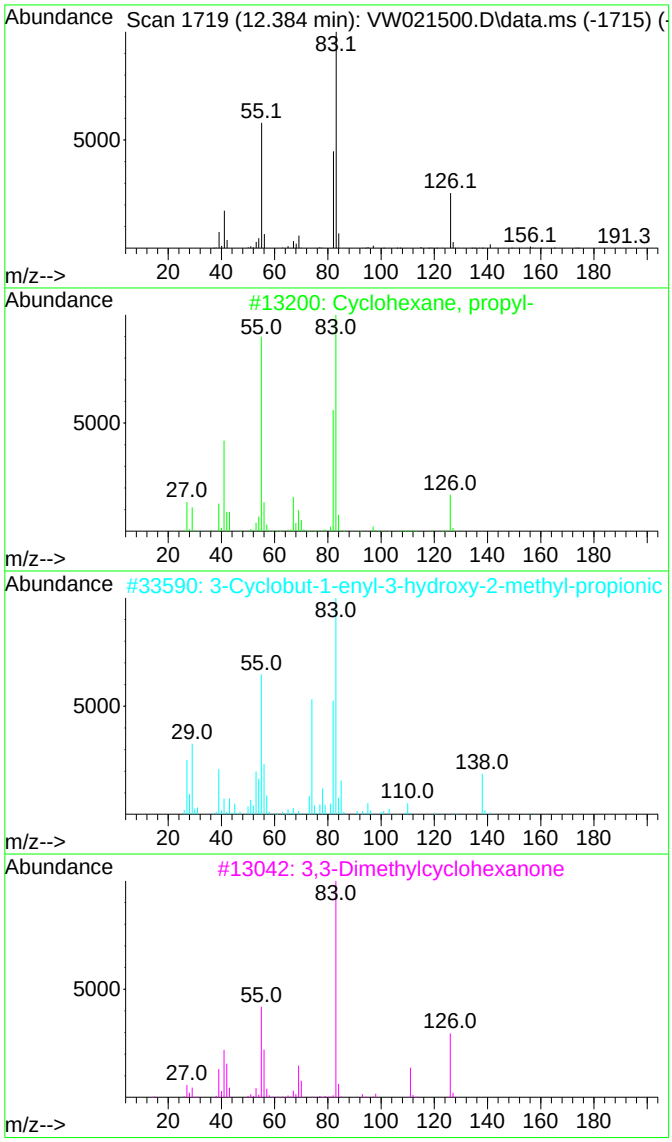
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

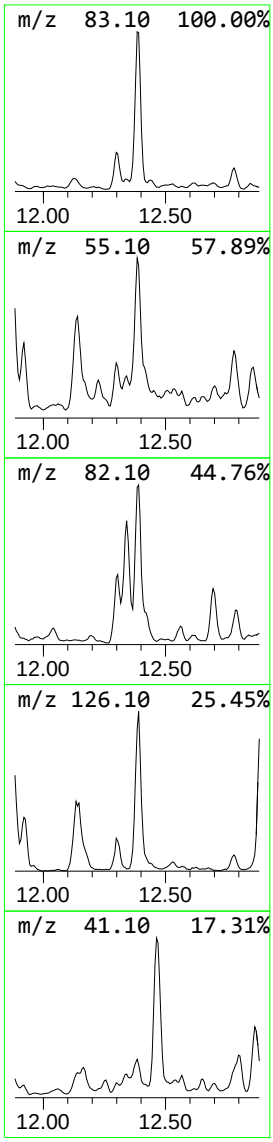
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Cyclic12.384 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.384	7.99 ug/L	390639	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	83
2	3-Cyclobut-1-enyl-3-hydroxy-2-me...	156	C8H12O3	1000186-72-4	64
3	3,3-Dimethylcyclohexanone	126	C8H14O	002979-19-3	58
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	53
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

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

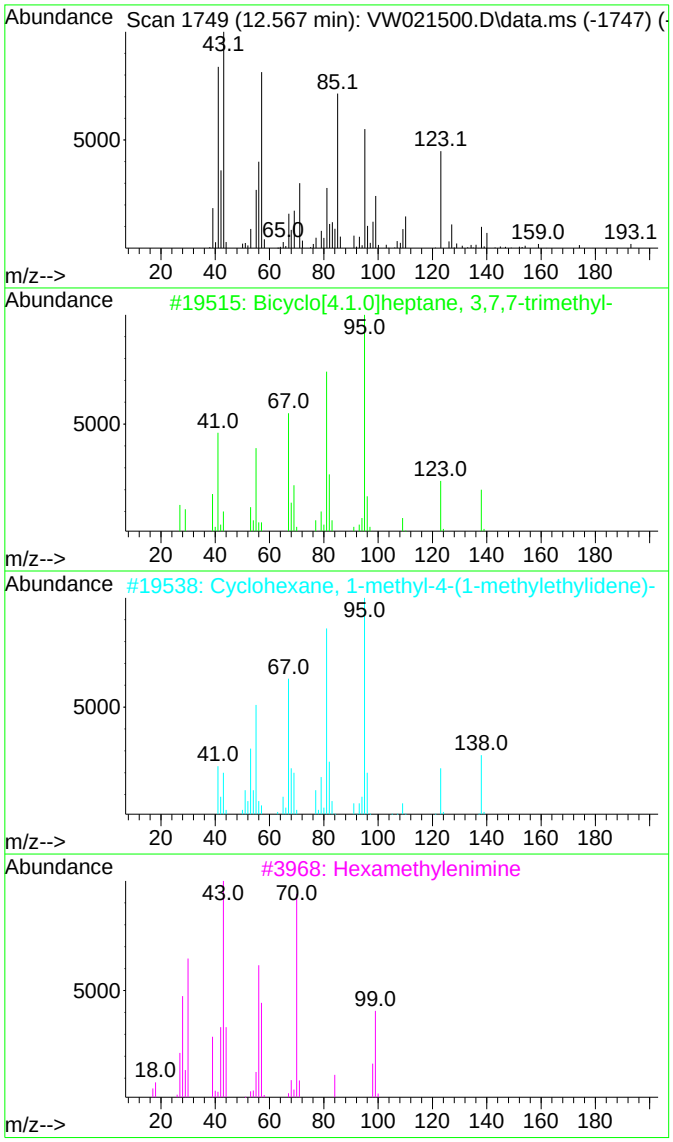
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

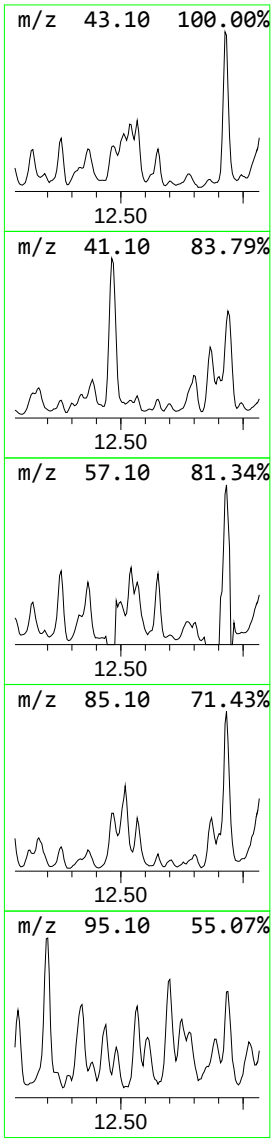
****

Peak Number 29 unknown-01 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.567	2.97 ug/L	145263	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	18
2	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	15
3	Hexamethylenimine	99	C6H13N	000111-49-9	14
4	Cyclopentene, 1-isopropyl-2,3-di...	138	C10H18	007712-73-4	14
5	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	11





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

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

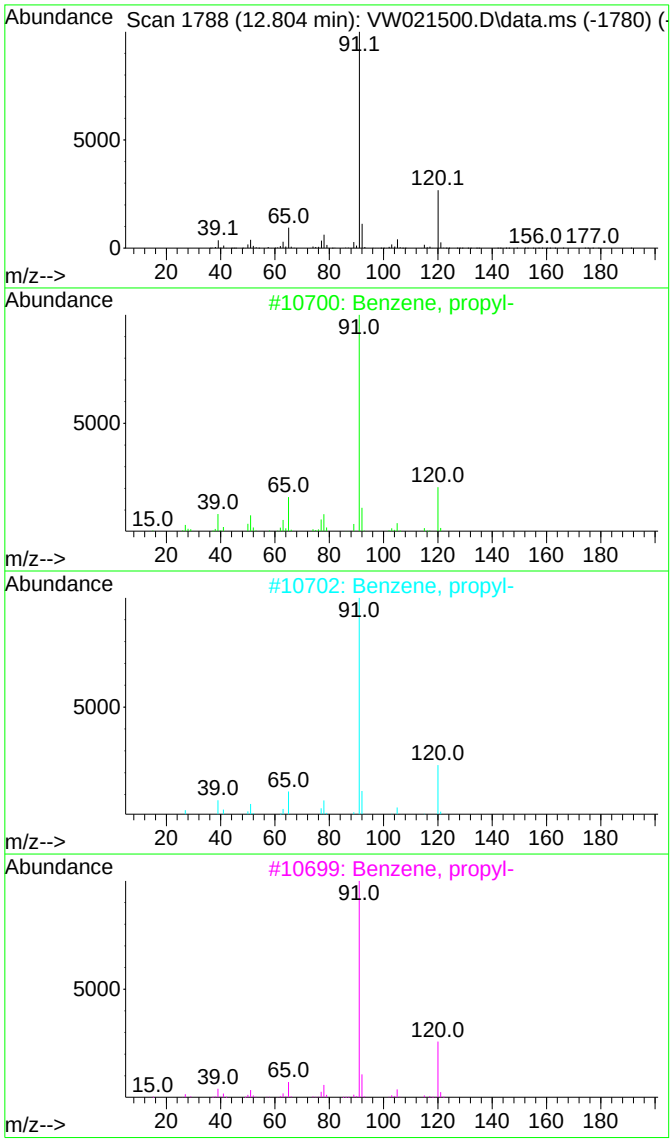
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

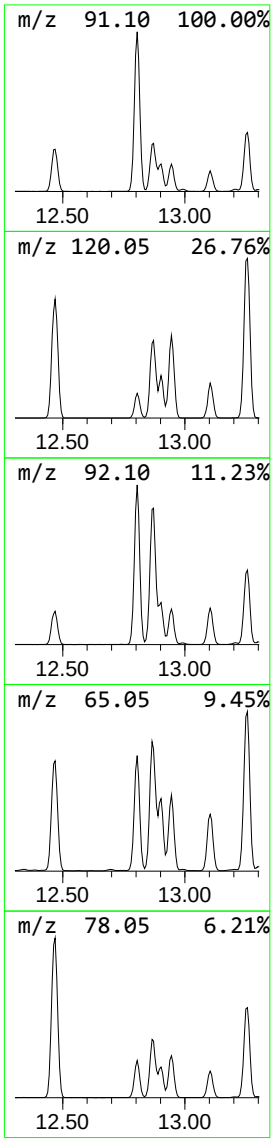
****

Peak Number 30 Benzene, propyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.804	15.04 ug/L	5664500	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	91
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	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

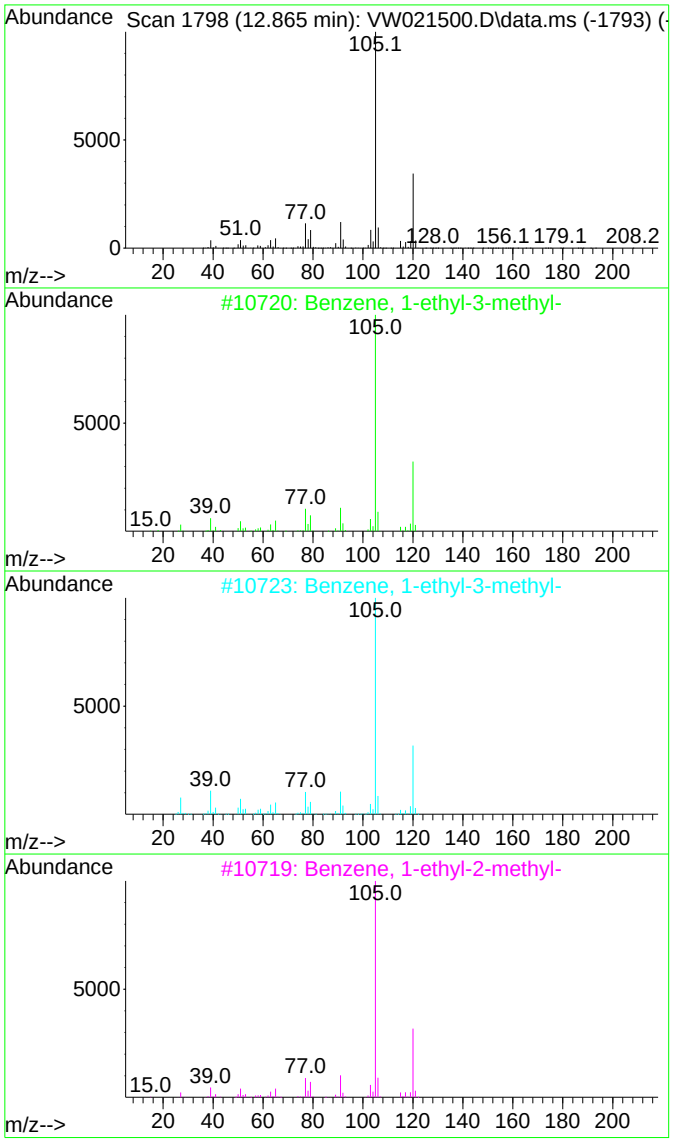
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

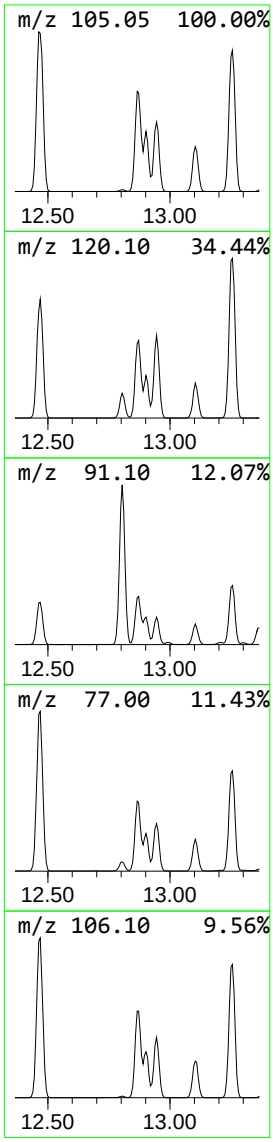
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Benzene, 1-ethyl-3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	49.85 ug/L	18782400	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

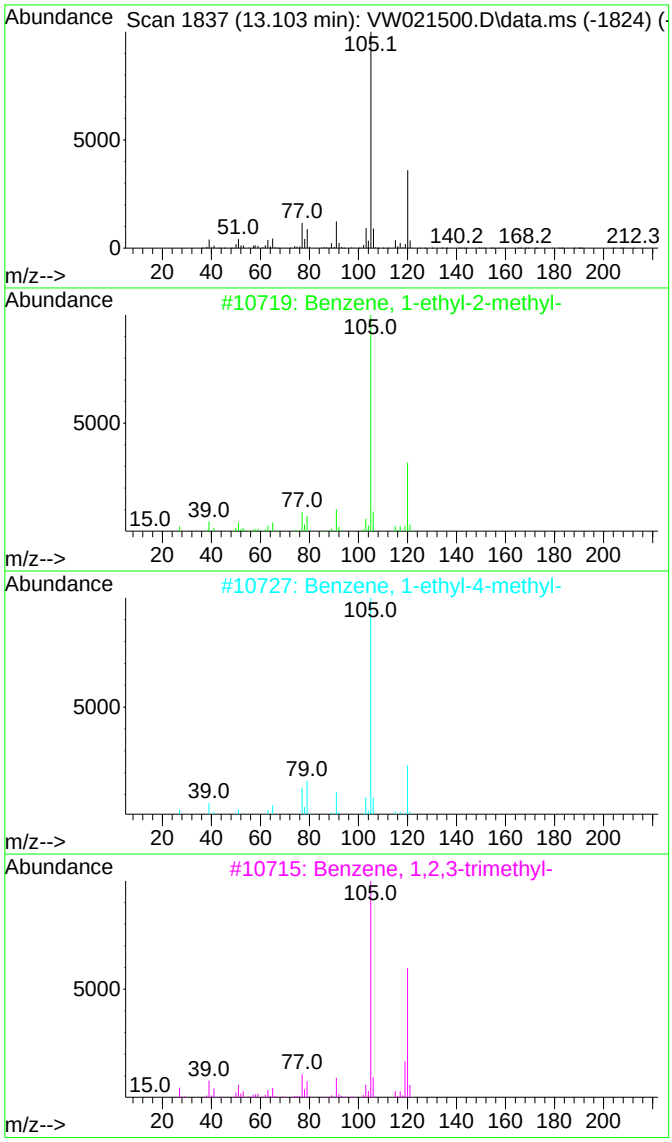
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

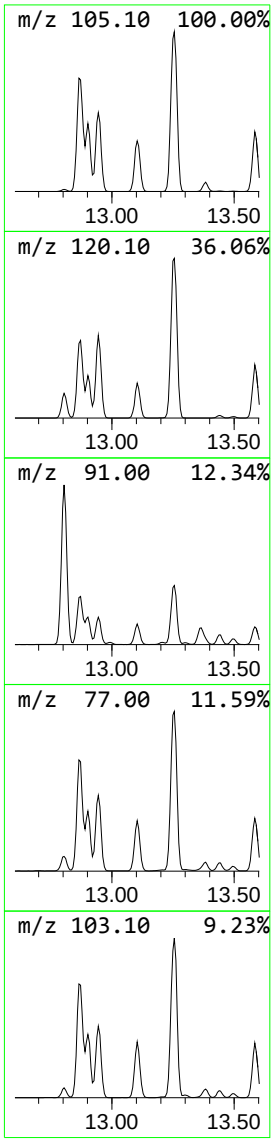
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	20.80 ug/L	7836260	1,4-Dichlorobenzene-d4	13.560

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, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

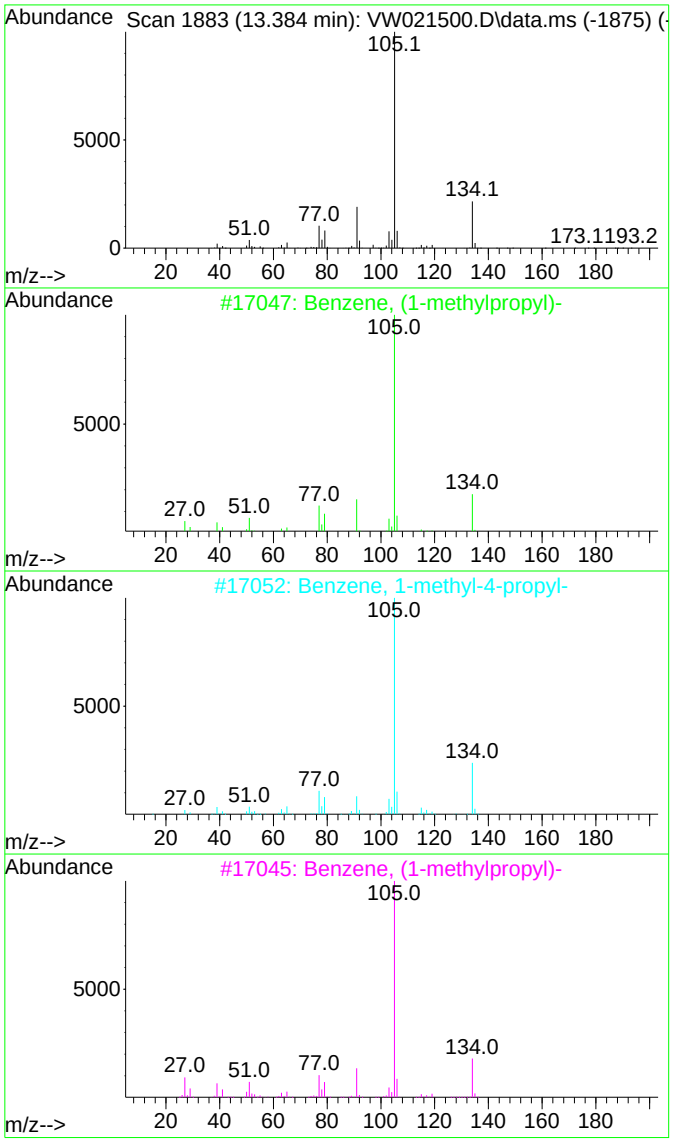
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

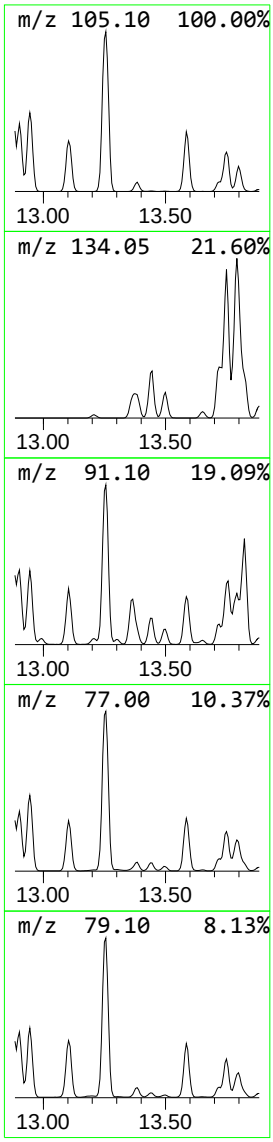
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, (1-methylpropyl)- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.384	4.43 ug/L	1669050	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	90
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87
4	2-Tolyloxirane	134	C9H10O	002783-26-8	87
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

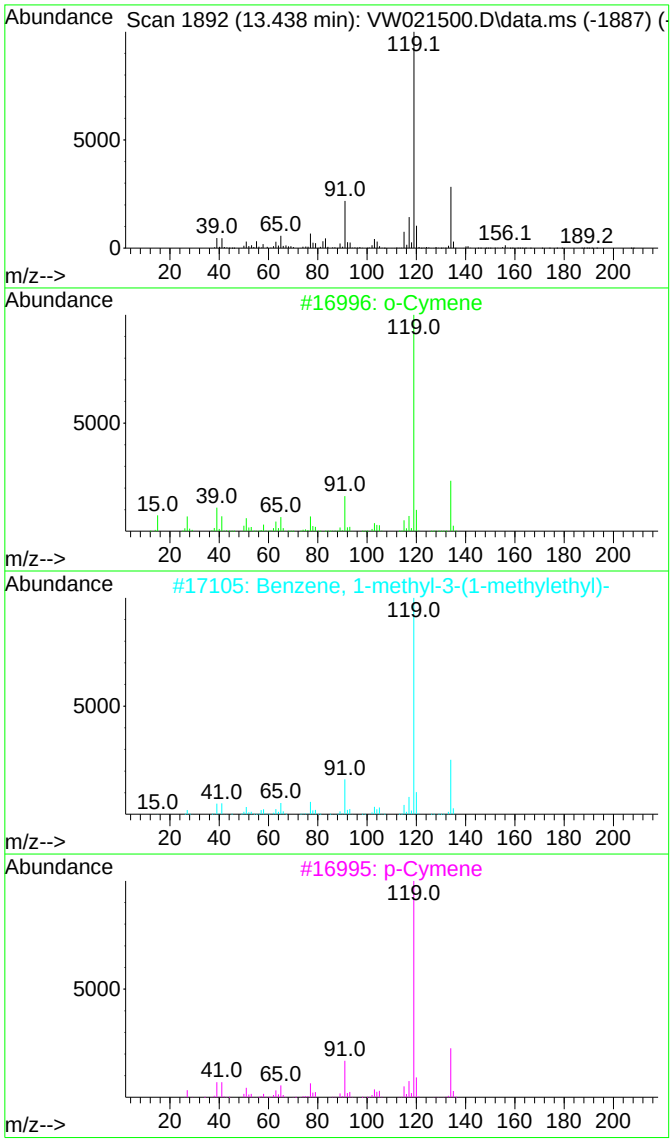
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

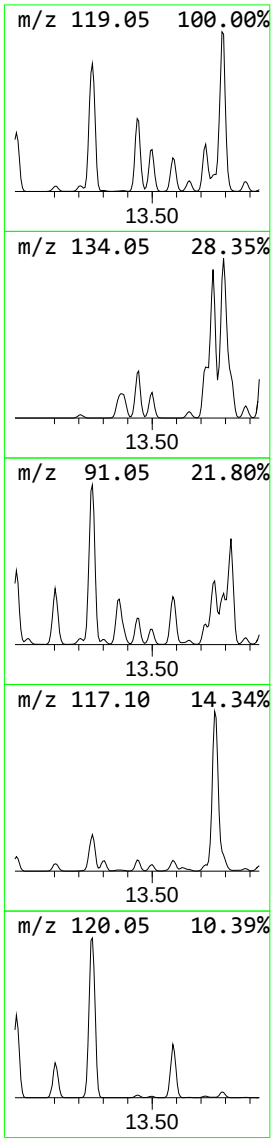
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 o-Cymene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.438	5.92 ug/L	2230230	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	97
3	p-Cymene	134	C10H14	000099-87-6	97
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

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

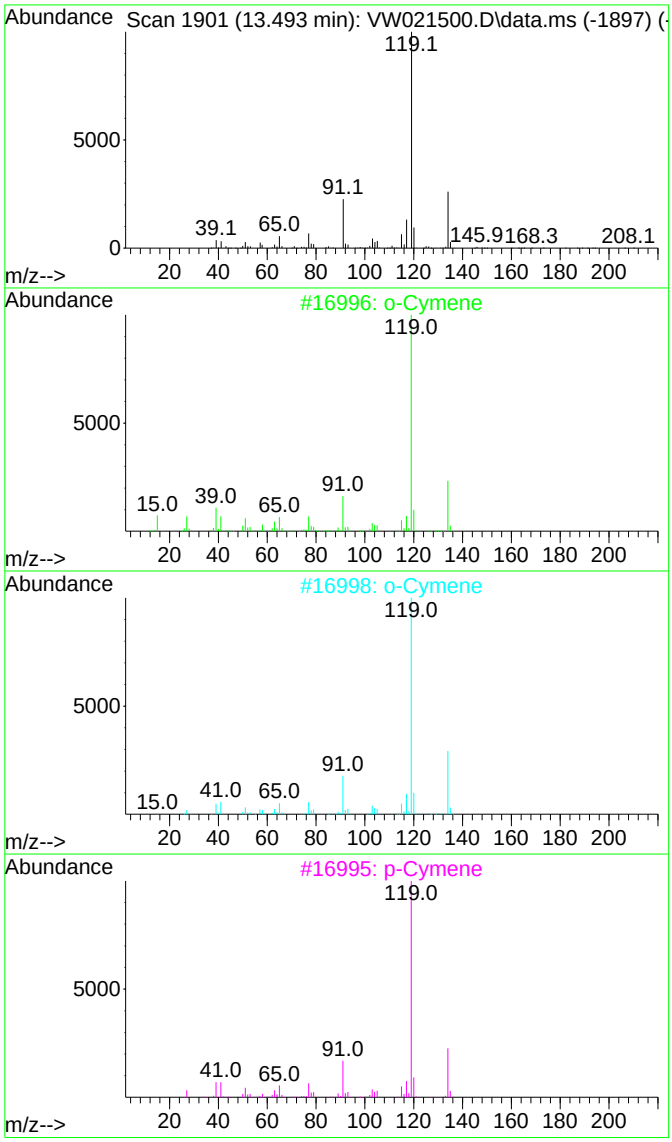
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

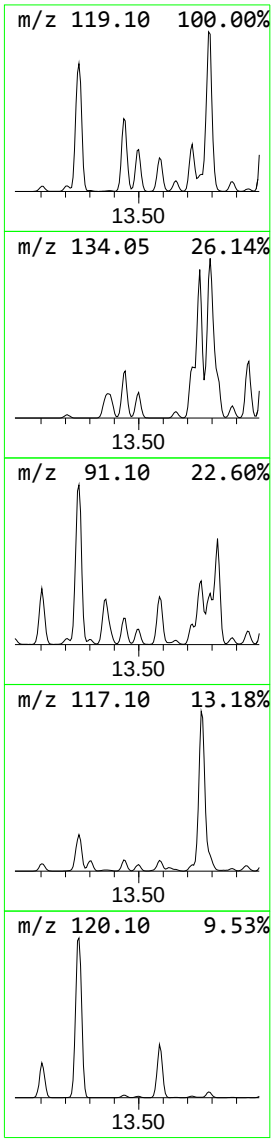
****

Peak Number 35 p-Cymene Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.493	3.45 ug/L	1300330	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	o-Cymene	134	C10H14	000527-84-4	94
3	p-Cymene	134	C10H14	000099-87-6	94
4	p-Cymene	134	C10H14	000099-87-6	94
5	o-Cymene	134	C10H14	000527-84-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

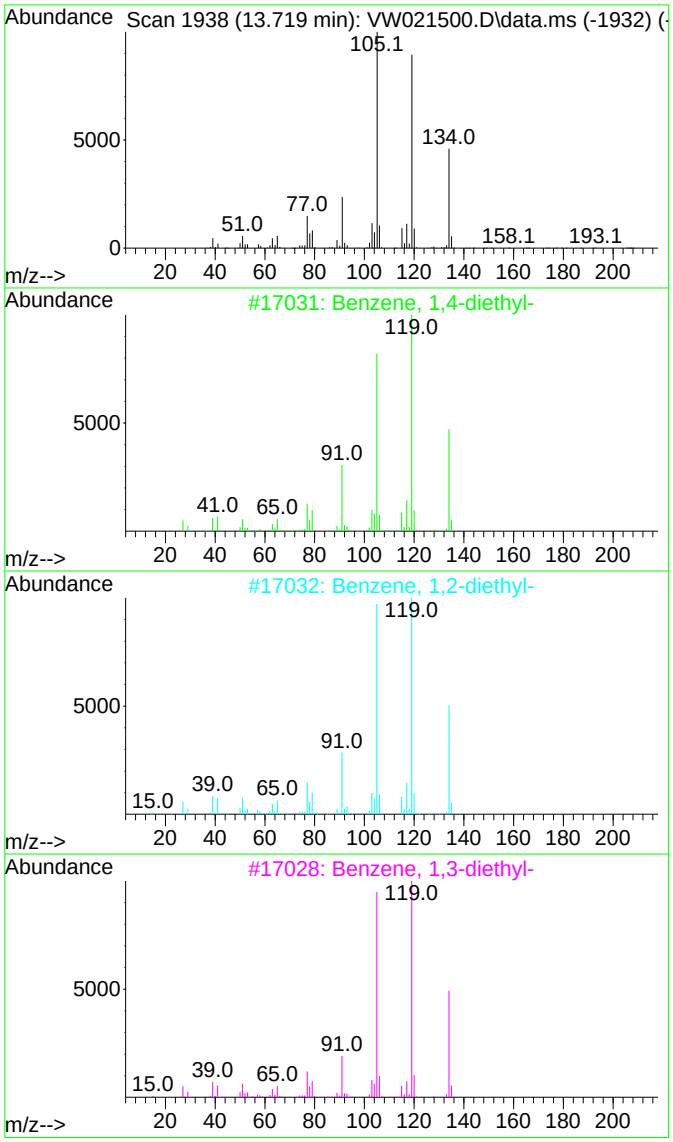
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

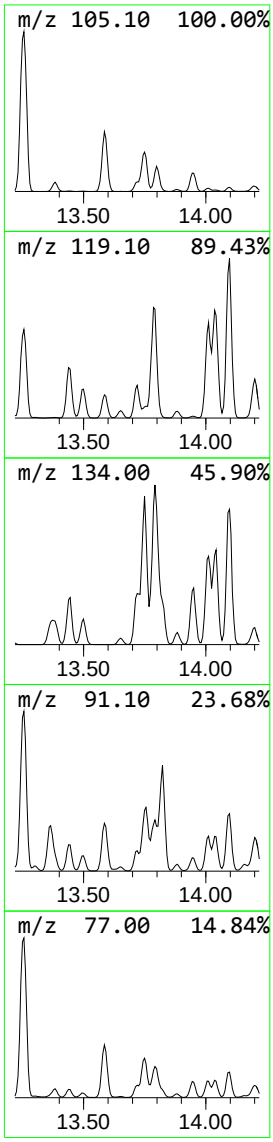
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 Benzene, 1,4-diethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.719	5.18 ug/L	1952380	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

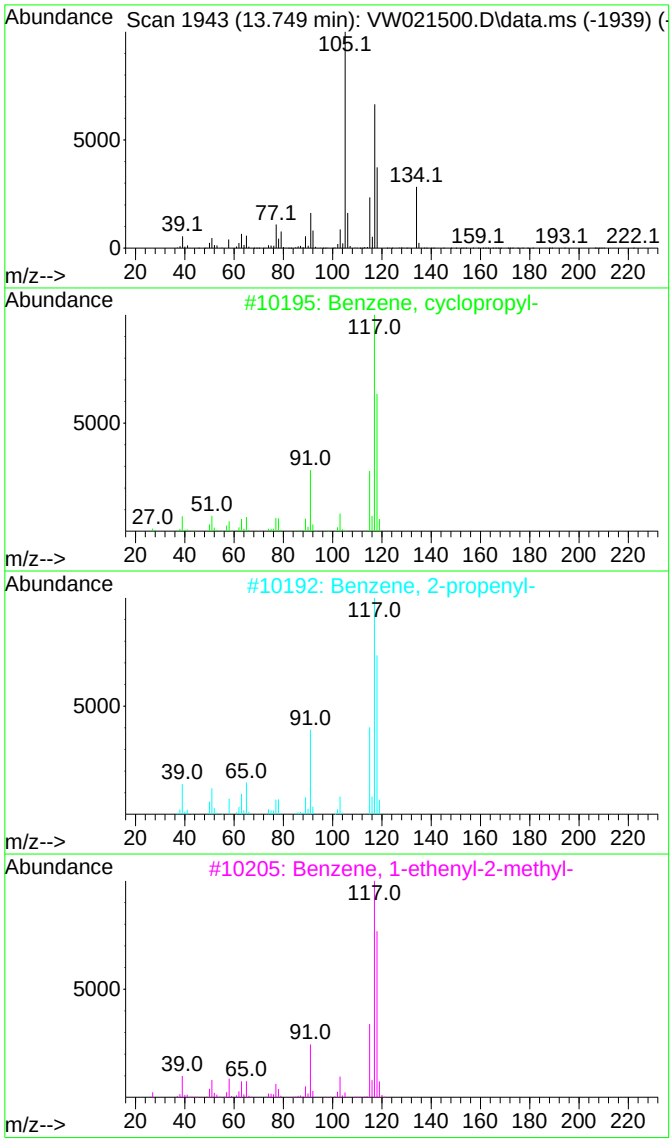
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

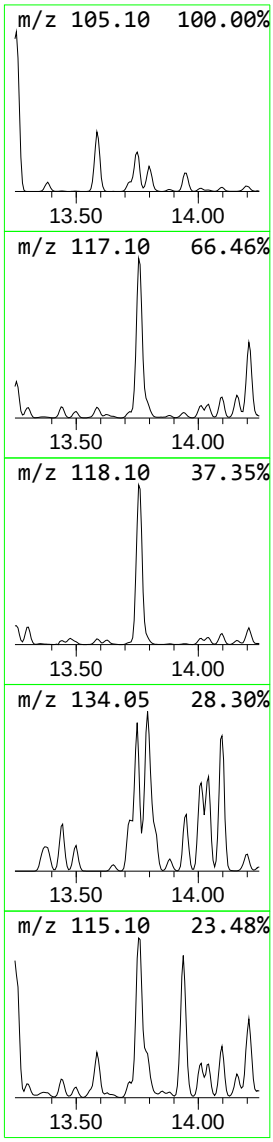
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 Benzene, cyclopropyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.749	26.15 ug/L	9853490	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	50
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	45
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	43
4	Deltacyclene	118	C9H10	007785-10-6	43
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

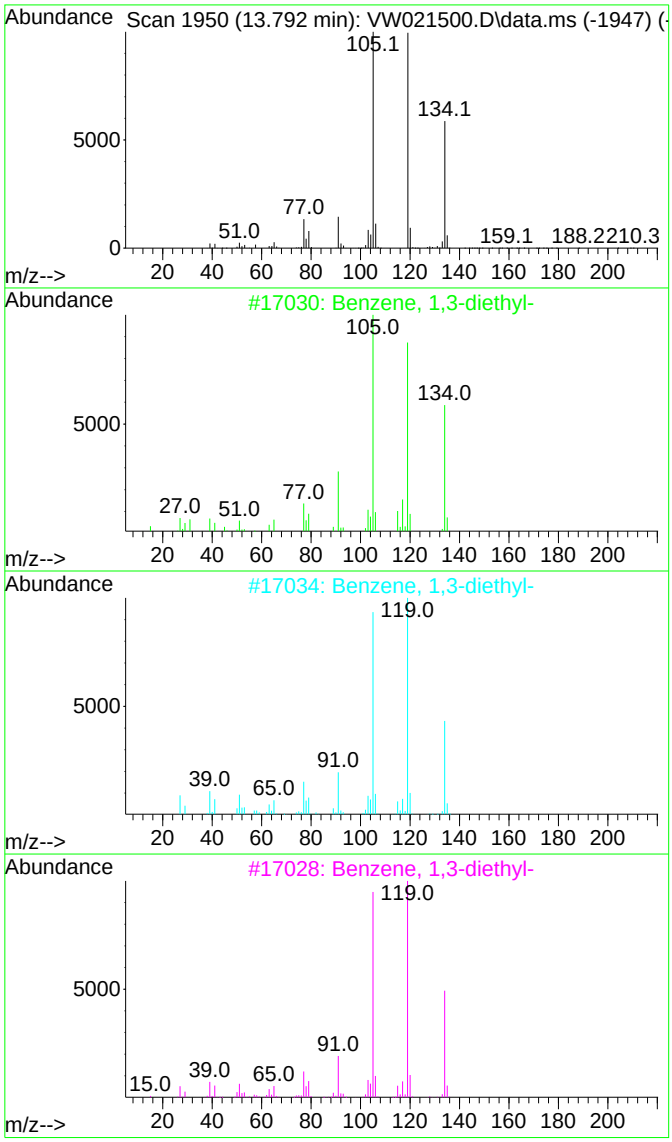
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

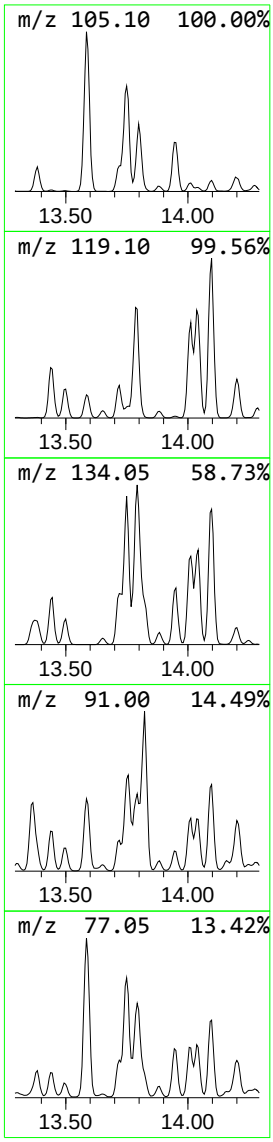
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Benzene, 1,3-diethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.792	19.30 ug/L	7271740	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
4	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	91
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

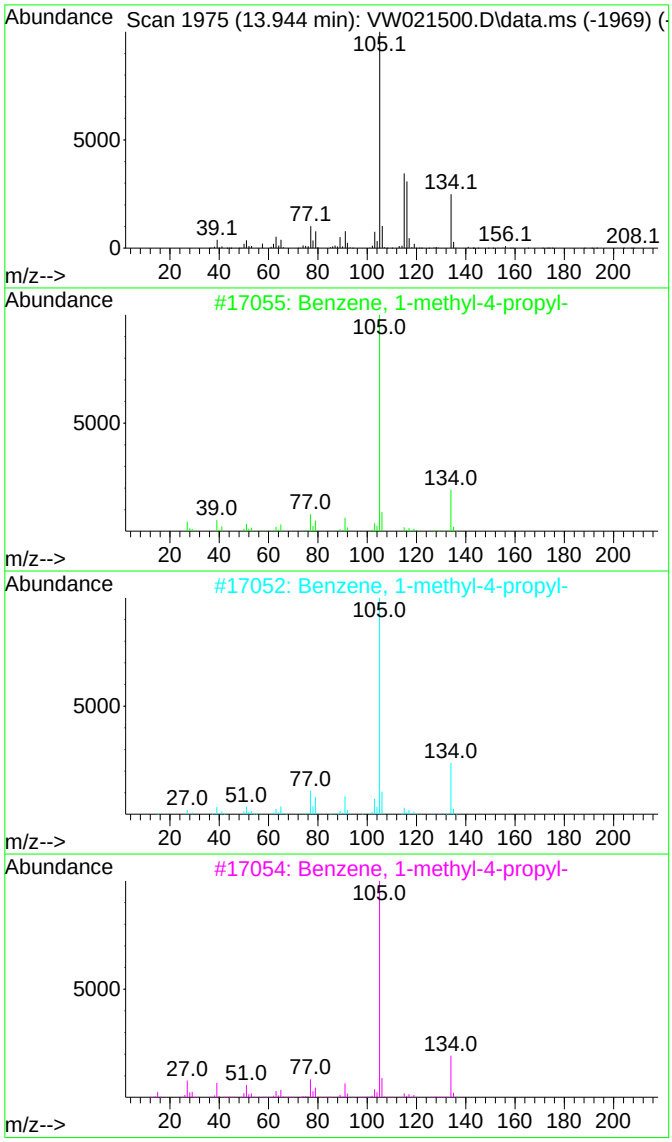
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

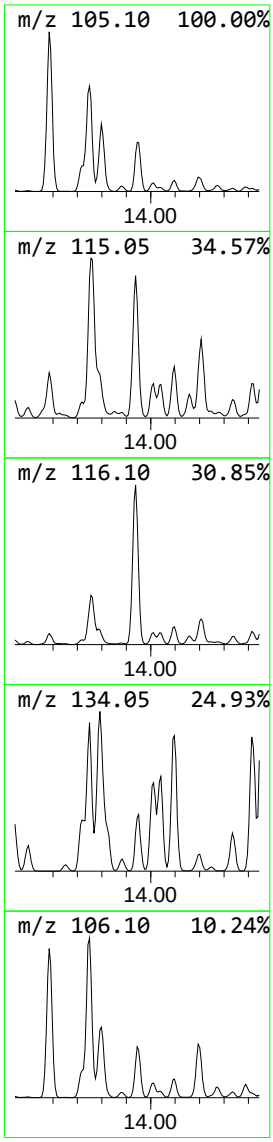
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 Benzene, 1-methyl-4-propyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.944	9.27 ug/L	3493640	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	60
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	60
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	60
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	60
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

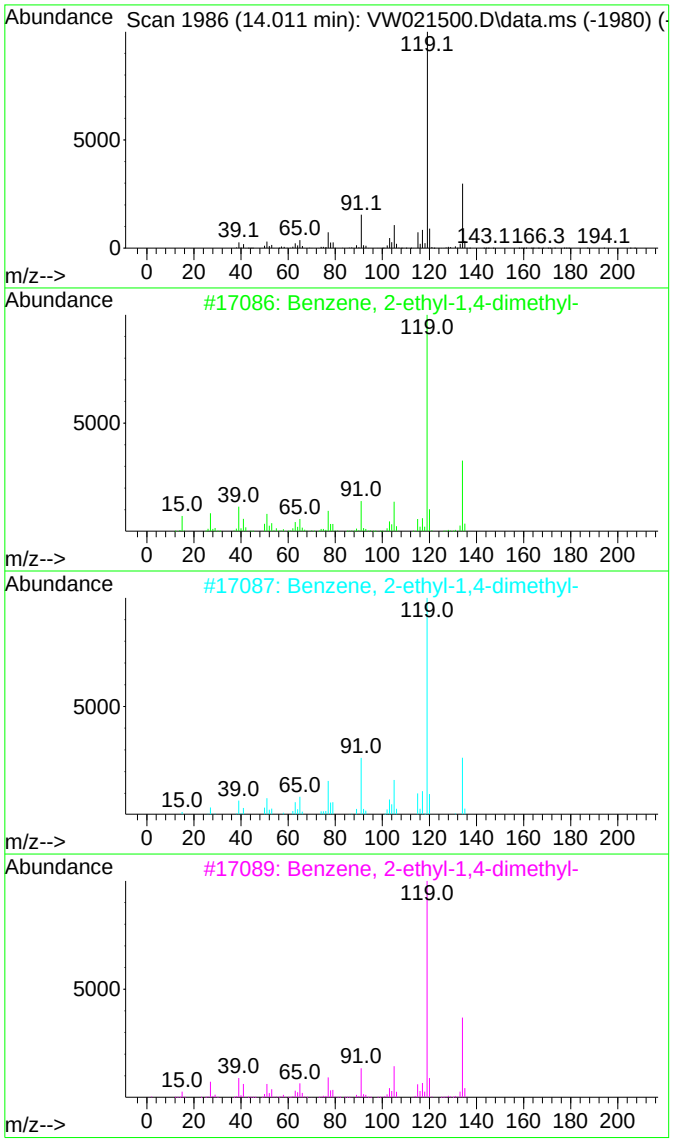
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

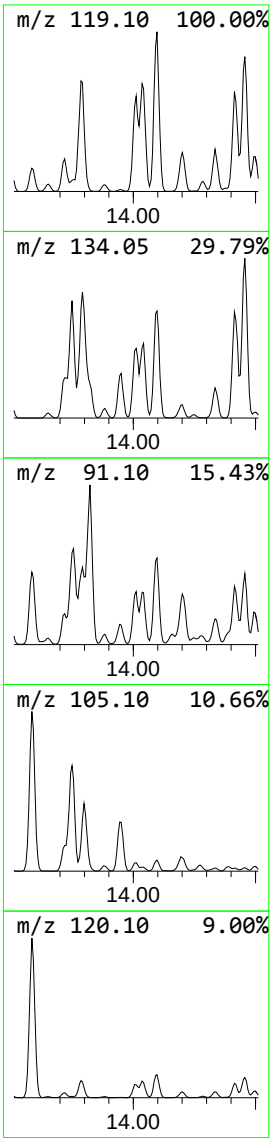
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.011	9.52 ug/L	3585400	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

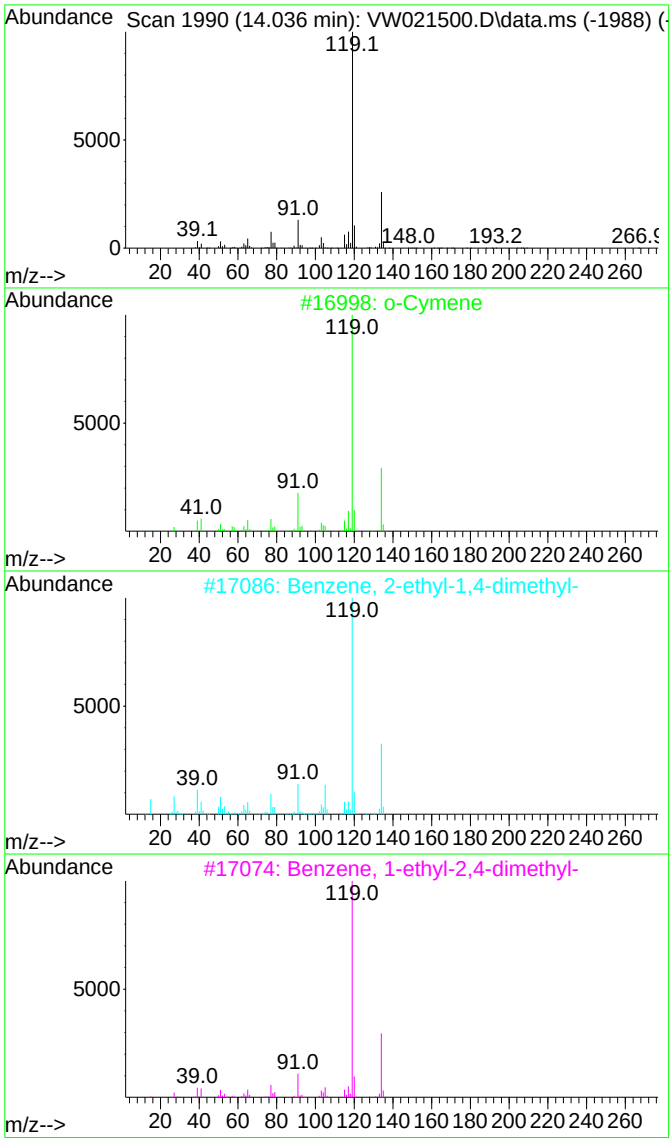
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

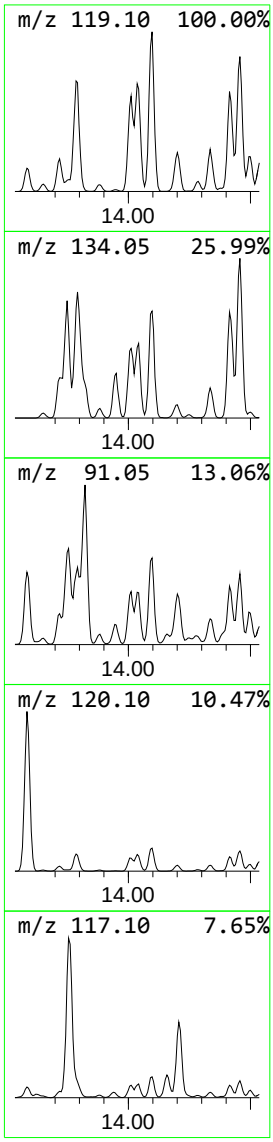
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.036	8.50 ug/L	3202610	1,4-Dichlorobenzene-d4	13.560

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, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

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

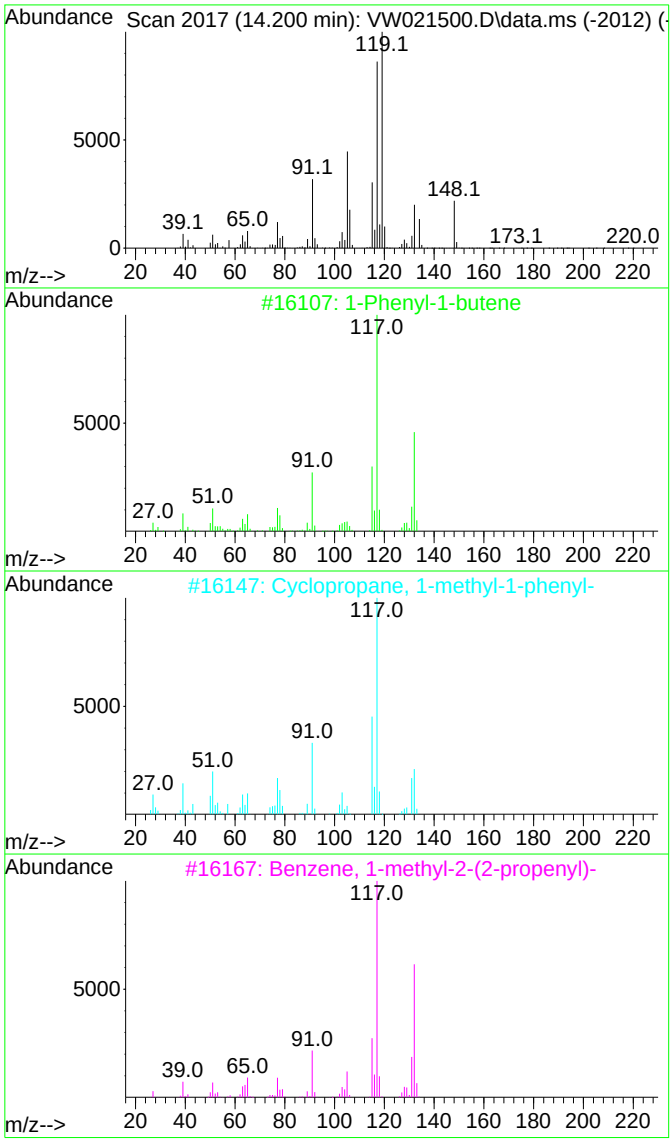
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

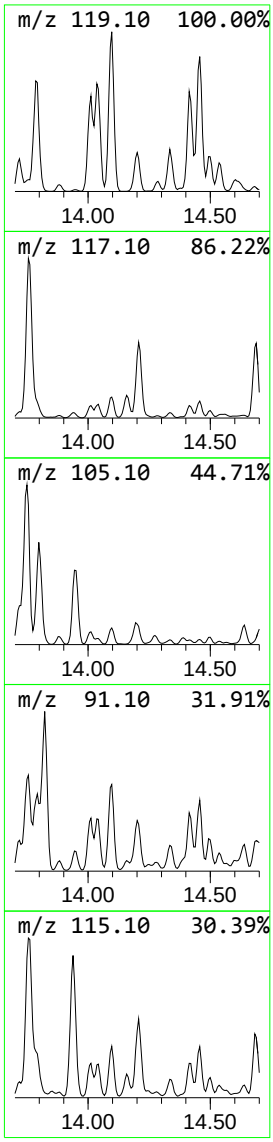
****

Peak Number 44 1-Phenyl-1-butene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.200	9.41 ug/L	3545100	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	50
2	Cyclopropane, 1-methyl-1-phenyl-	132	C10H12	002214-14-4	50
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	50
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	50
5	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

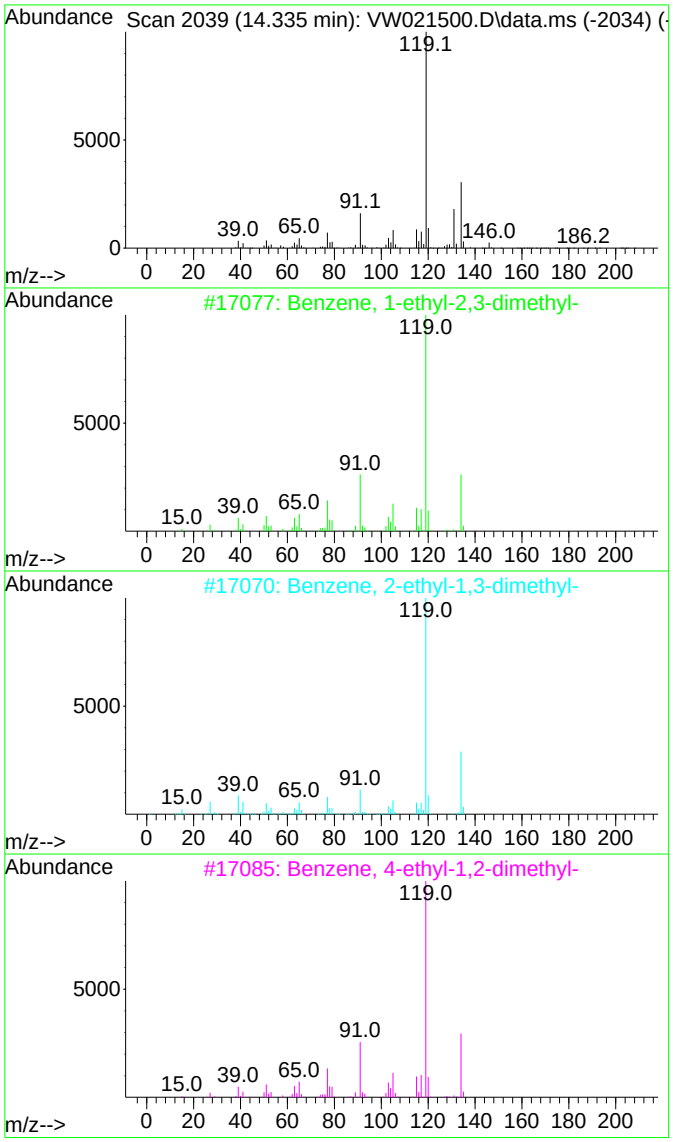
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

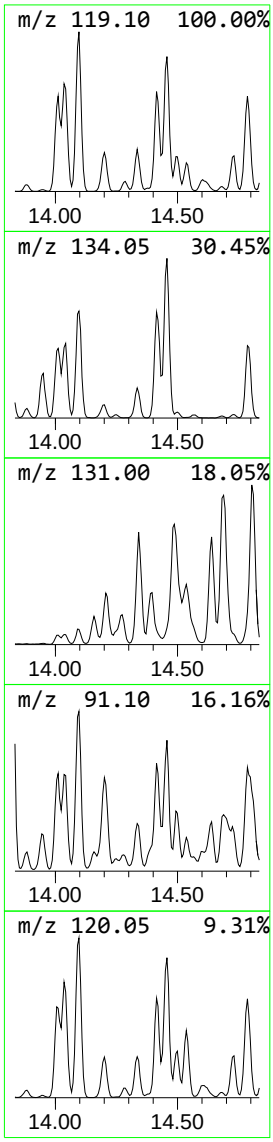
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.335	4.23 ug/L	1595100	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
4	o-Cymene	134	C10H14	000527-84-4	93
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

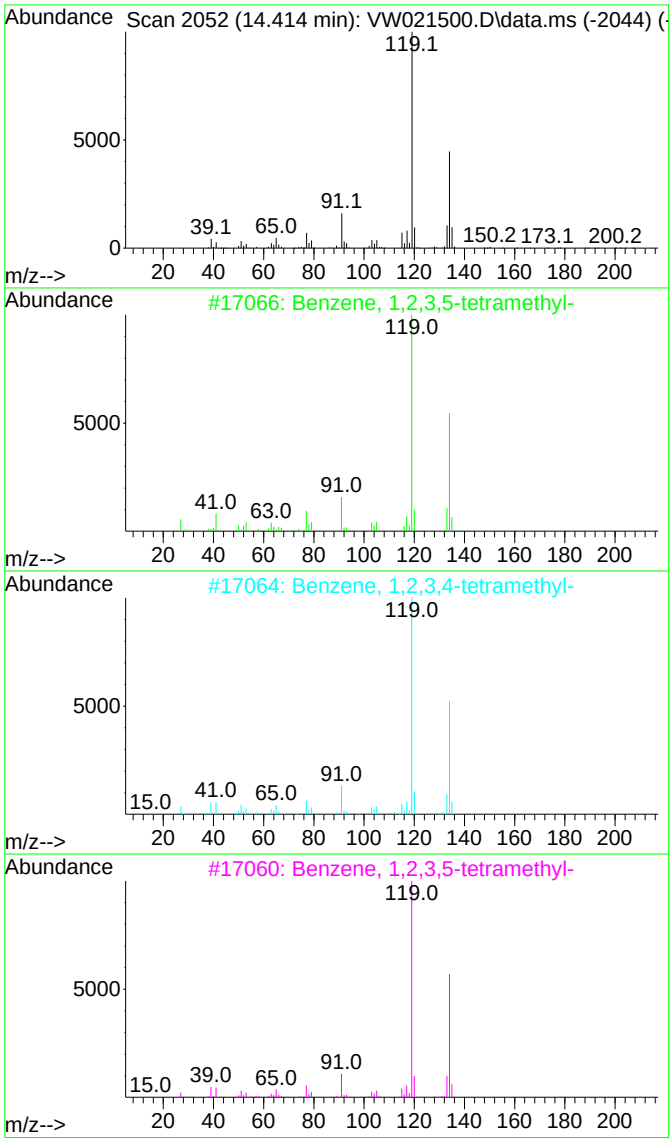
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

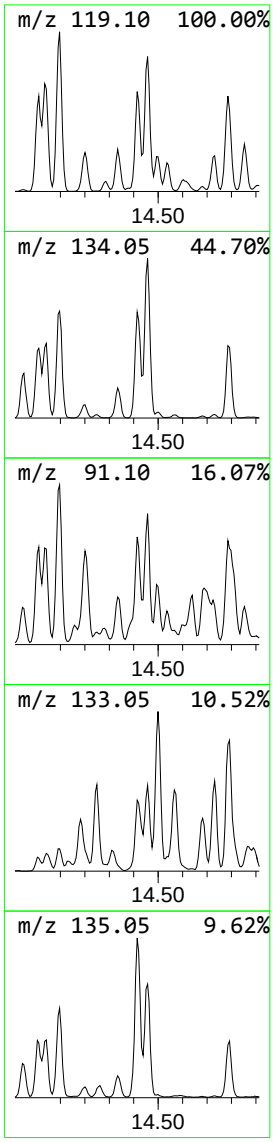
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.414	12.02 ug/L	4527770	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

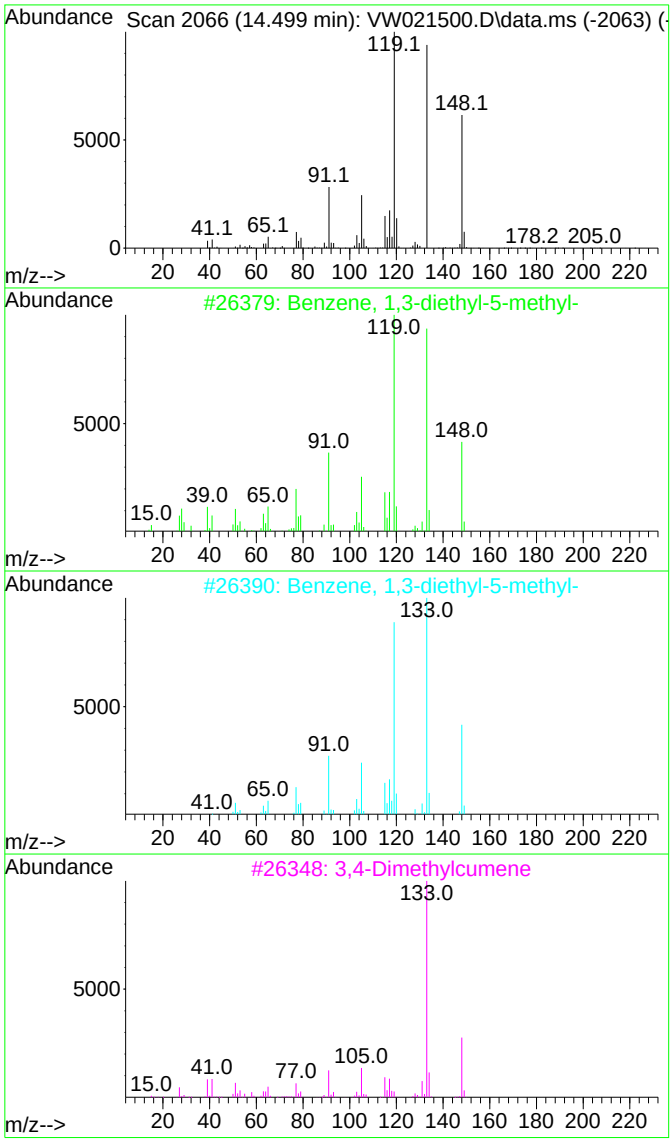
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

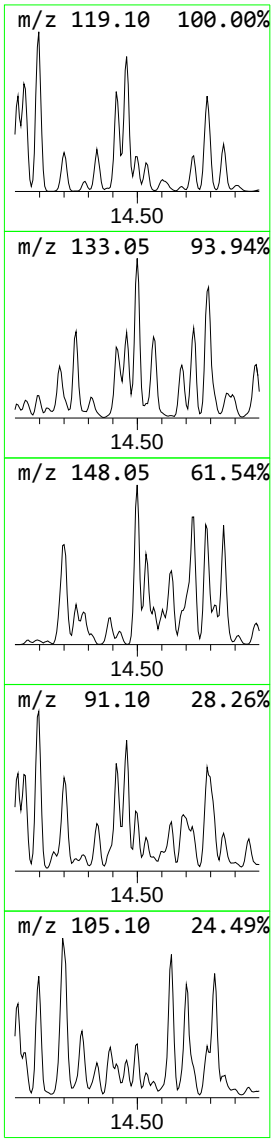
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.499	5.49 ug/L	2066690	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	91
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	72
3	3,4-Dimethylcumene	148	C11H16	1000370-34-1	52
4	2-Allyl-4-methylphenol	148	C10H12O	006628-06-4	47
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

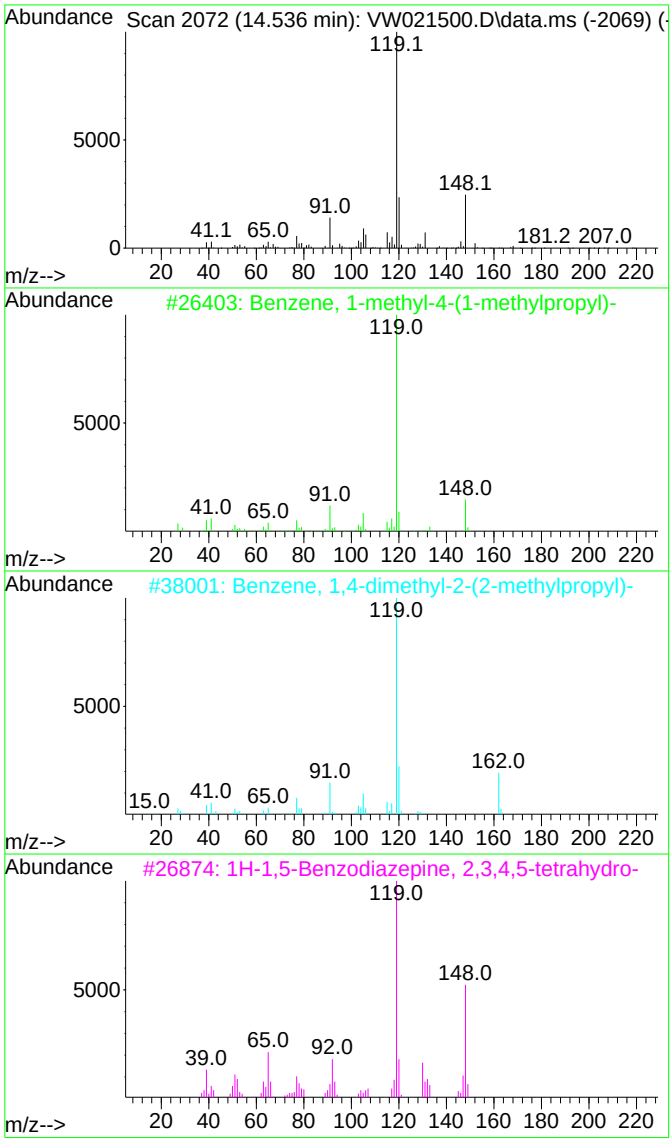
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

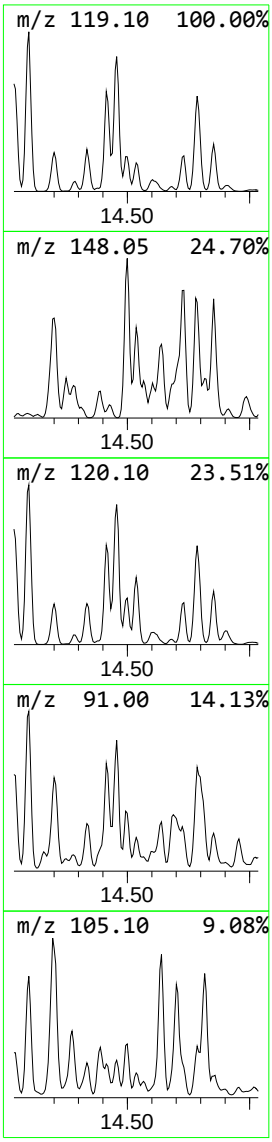
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 Benzene, 1,4-dimethyl-2-(2-... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.536	3.88 ug/L	1461830	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	74
2	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	72
3	1H-1,5-Benzodiazepine, 2,3,4,5-t...	148	C9H12N2	006516-89-8	64
4	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	64
5	Benzene, 1-ethyl-4-(2-methylprop...	162	C12H18	100319-40-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

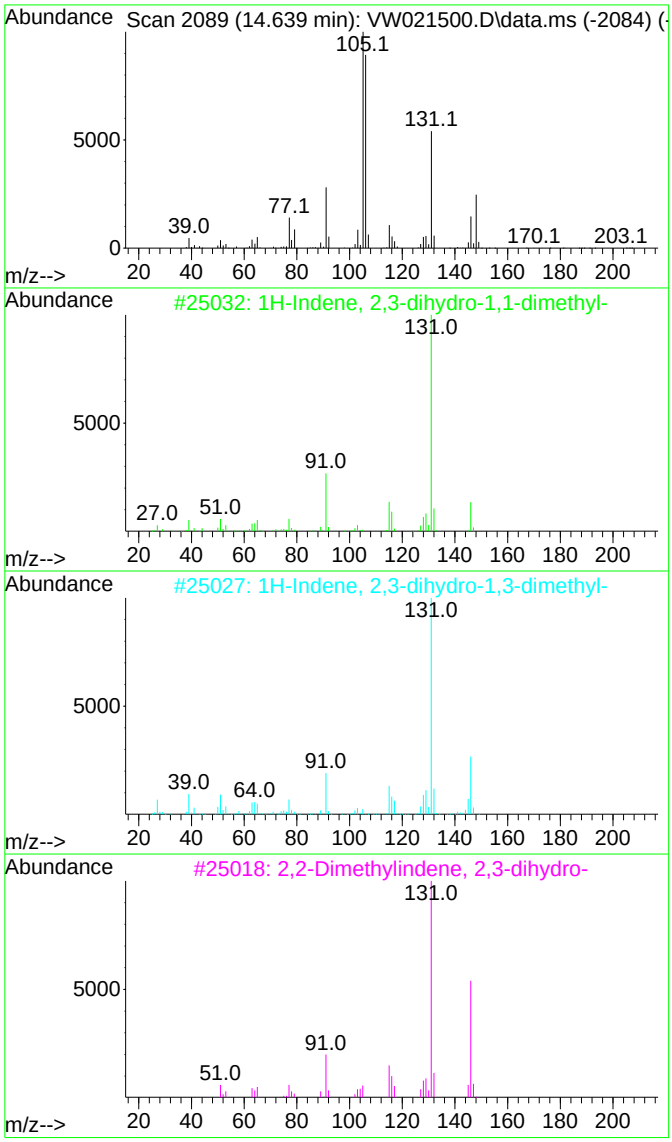
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

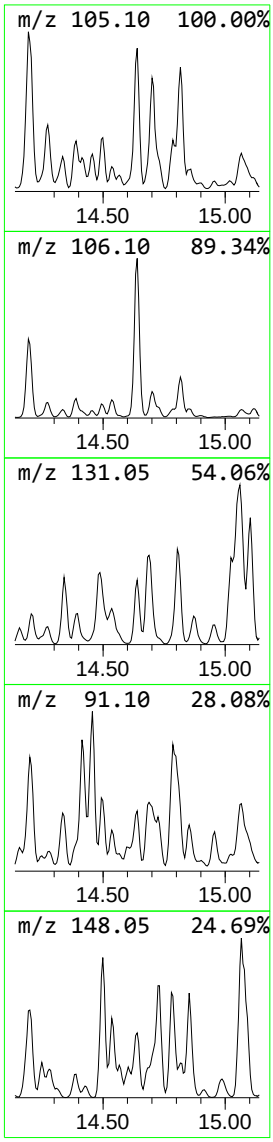
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 unknown-02 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.639	2.98 ug/L	1124280	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	42
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	42
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	42
4	Propanenitrile, 3-(phenylamino)-	146	C9H10N2	001075-76-9	38
5	Propanenitrile, 3-(phenylamino)-	146	C9H10N2	001075-76-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

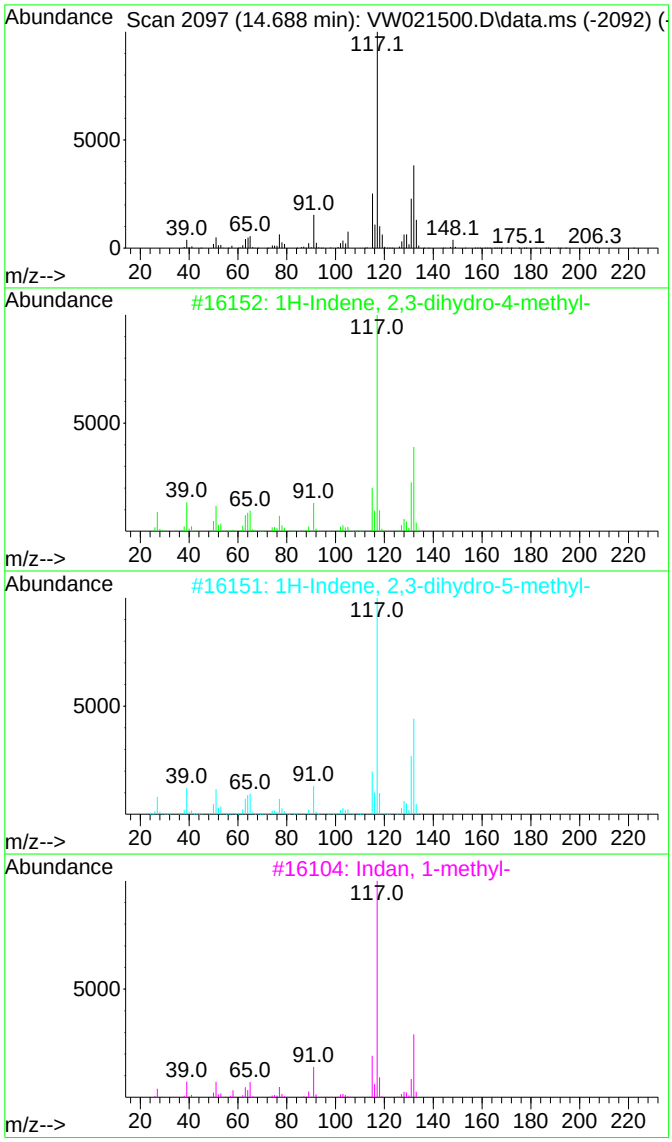
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

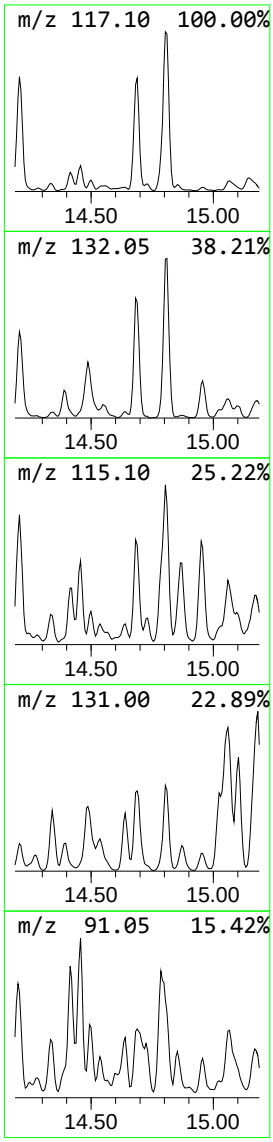
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.688	7.68 ug/L	2893010	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	81
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	80
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

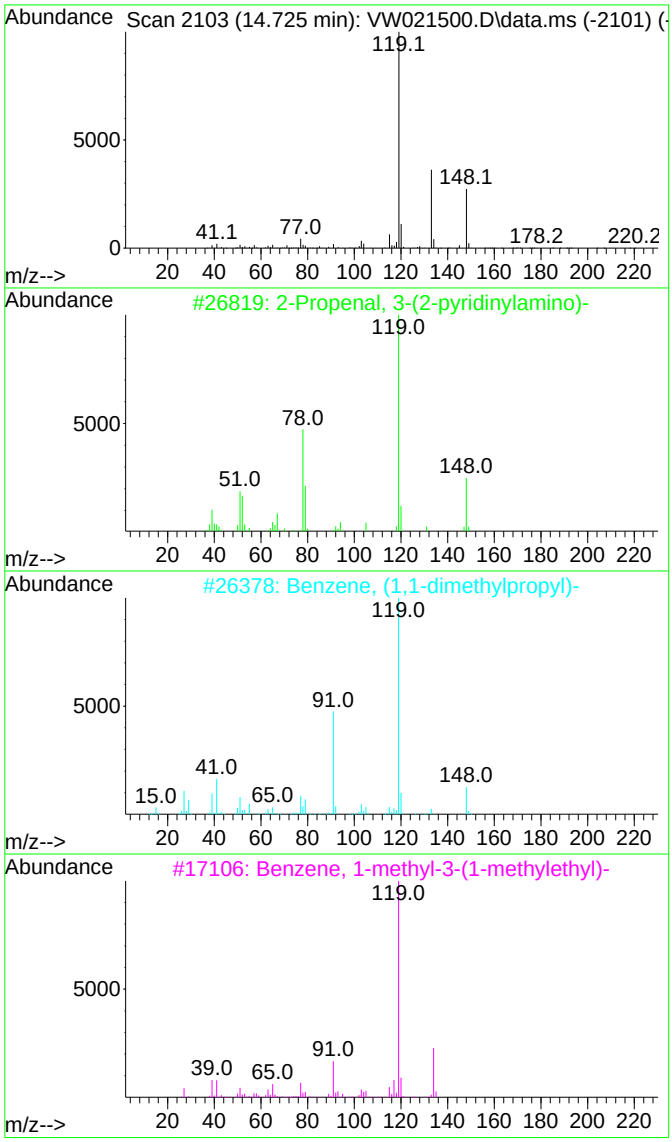
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

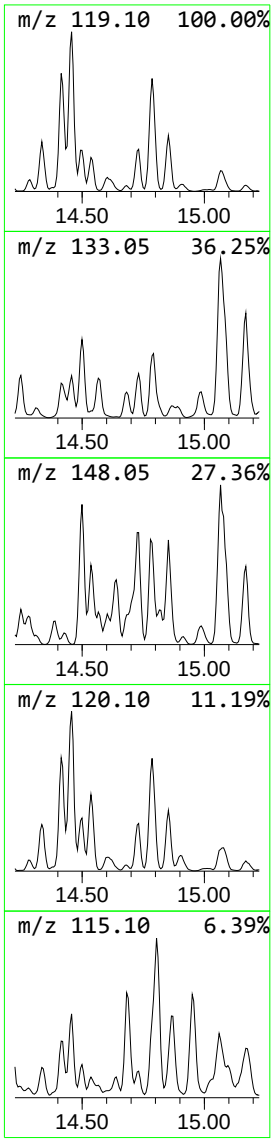
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 2-Propenal, 3-(2-pyridinyla... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.725	3.85 ug/L	1451540	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	59
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	53
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	52
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	52
5	p-Cymene	134	C10H14	000099-87-6	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

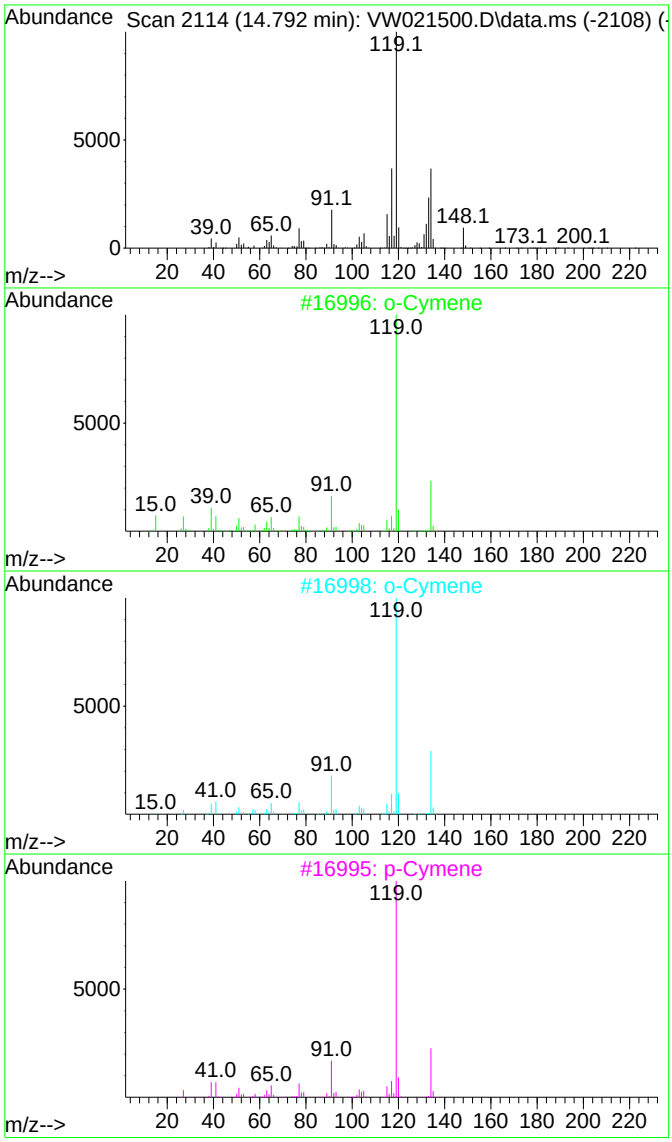
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

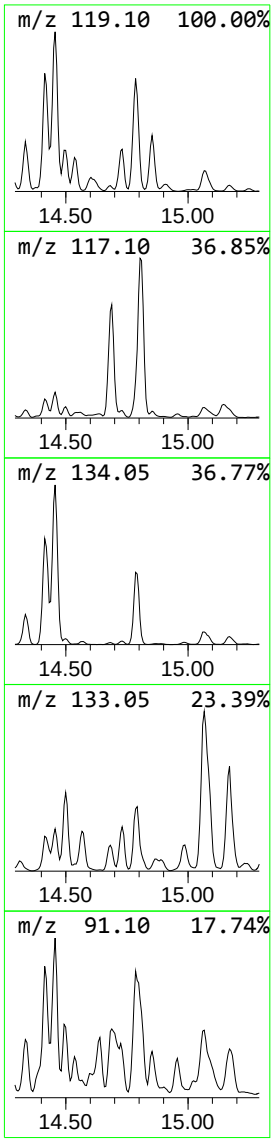
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.792	20.13 ug/L	7582350	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	64
2	o-Cymene	134	C10H14	000527-84-4	64
3	p-Cymene	134	C10H14	000099-87-6	64
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	64
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

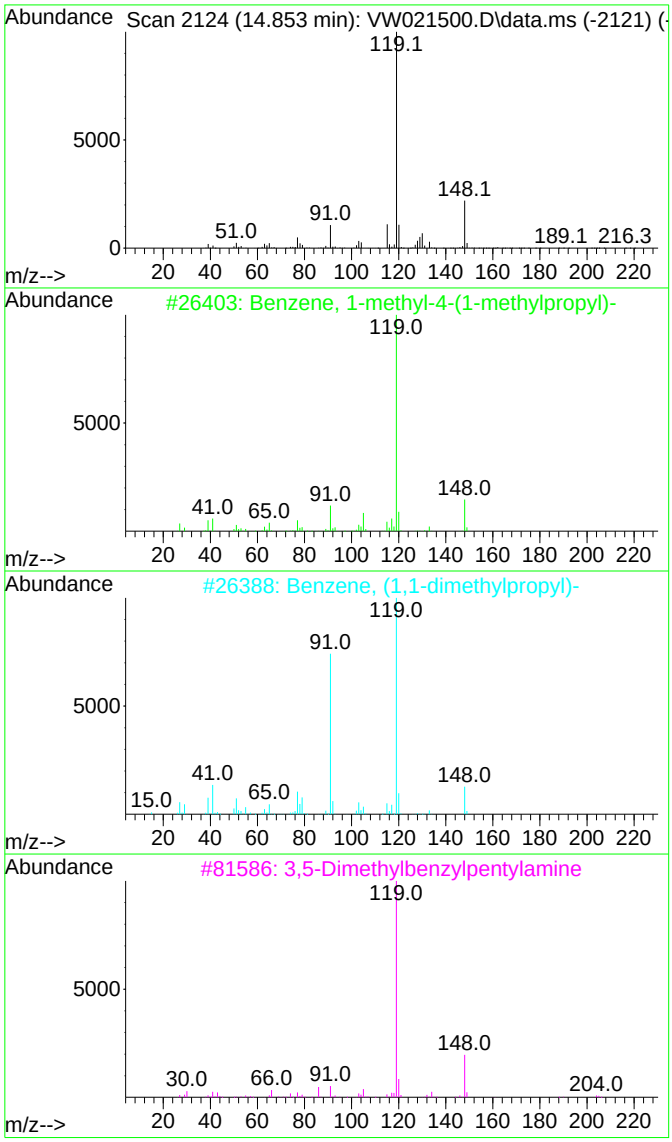
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

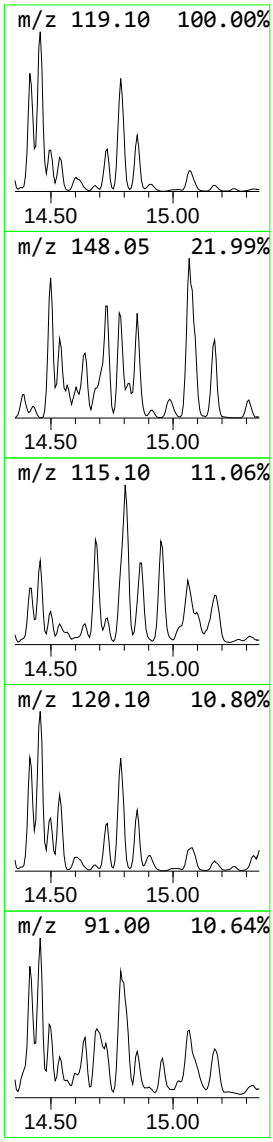
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 54 Benzene, (1,1-dimethylpropyl)- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.853	5.82 ug/L	2192060	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	72
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
3	3,5-Dimethylbenzylpentylamine	205	C14H23N	1000491-60-8	72
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	53
5	2-Methyl-6-(p-tolyl)hept-2-en-4-ol	218	C15H22O	038142-57-3	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

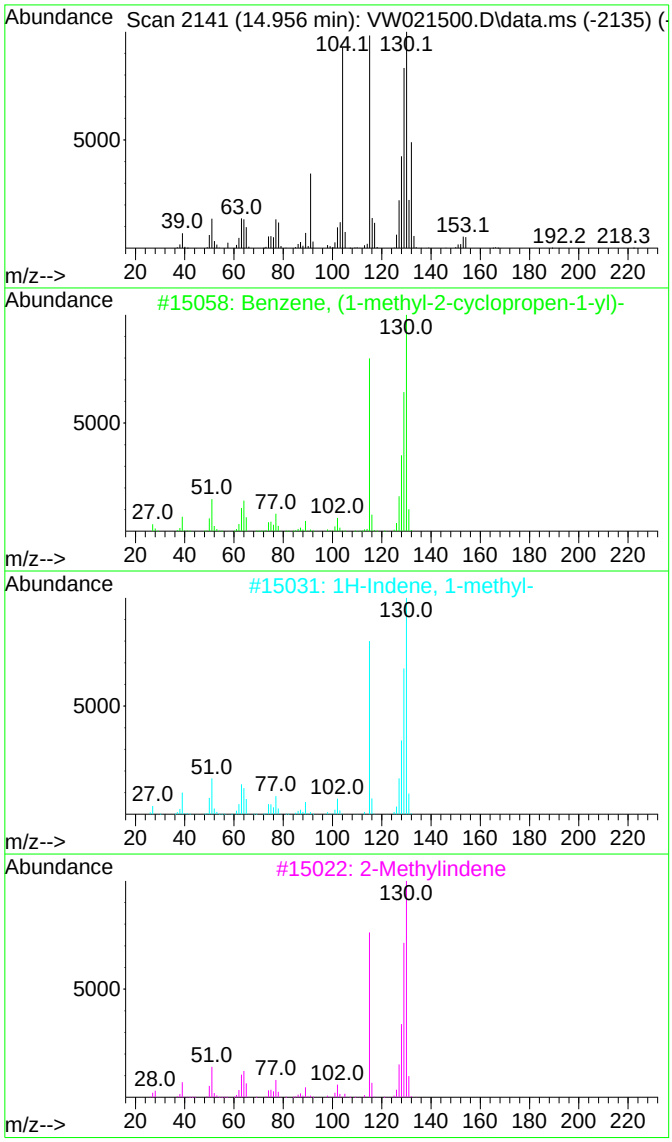
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

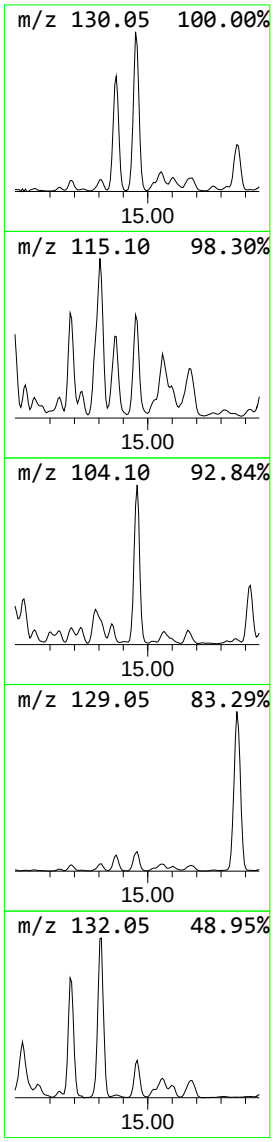
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 55 Benzene, (1-methyl-2-cyclop... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.956	4.09 ug/L	1542760	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	95
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	90
3	2-Methylindene	130	C10H10	002177-47-1	90
4	2a,4a,6a,6b-Tetrahydrocyclopenta...	130	C10H10	006053-74-3	86
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

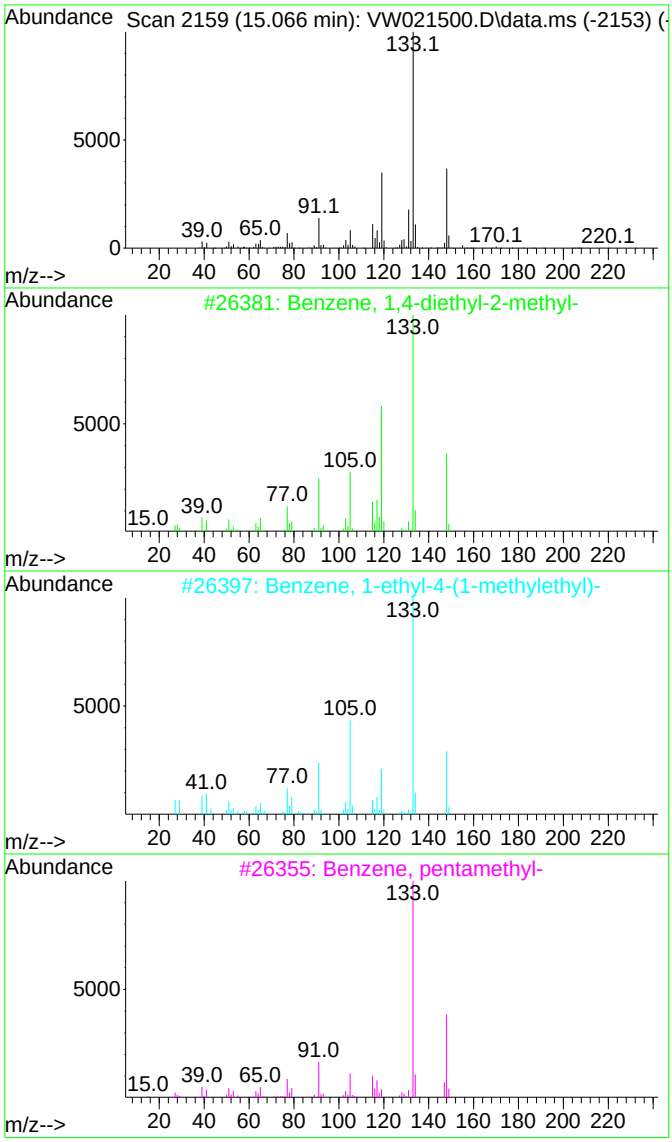
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

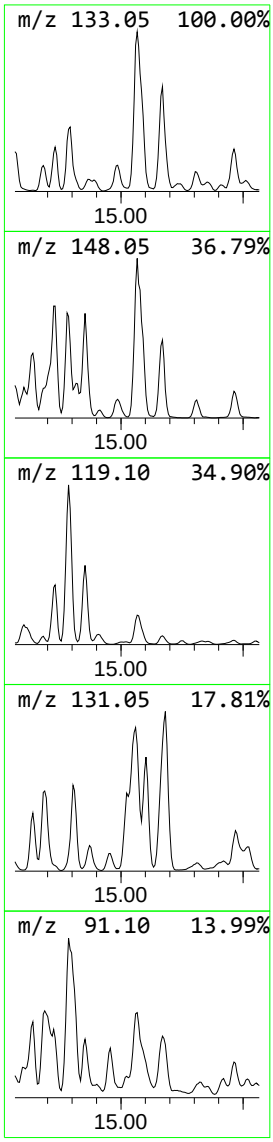
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 56 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.066	11.75 ug/L	4425900	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	87
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	86
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	74
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

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

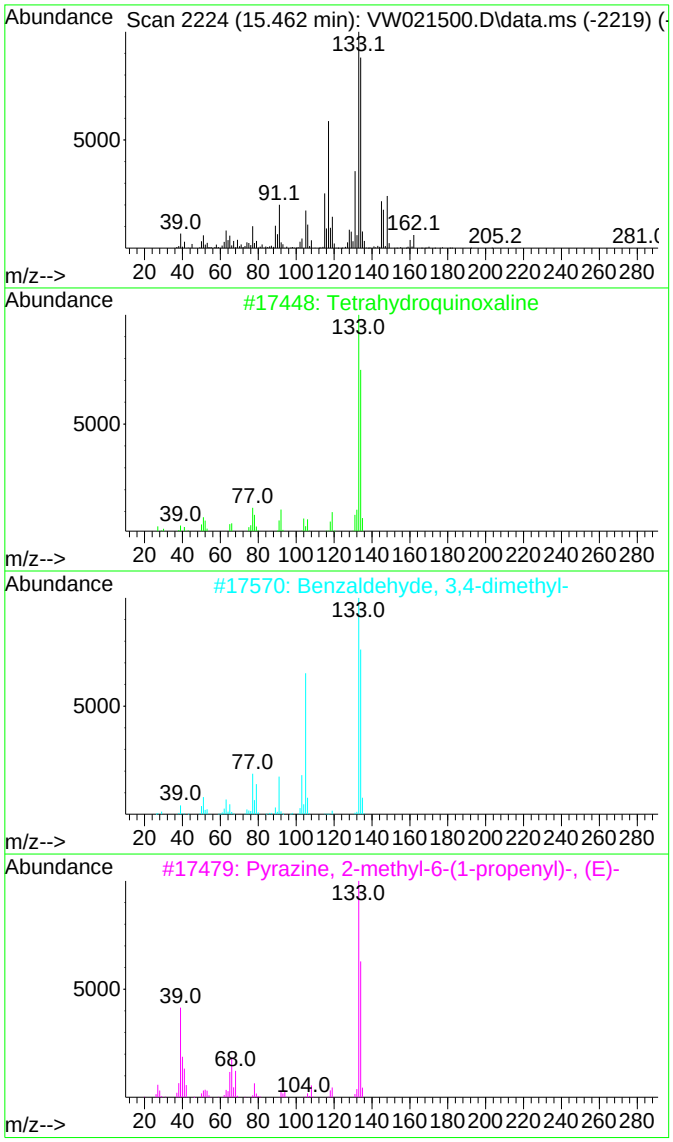
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

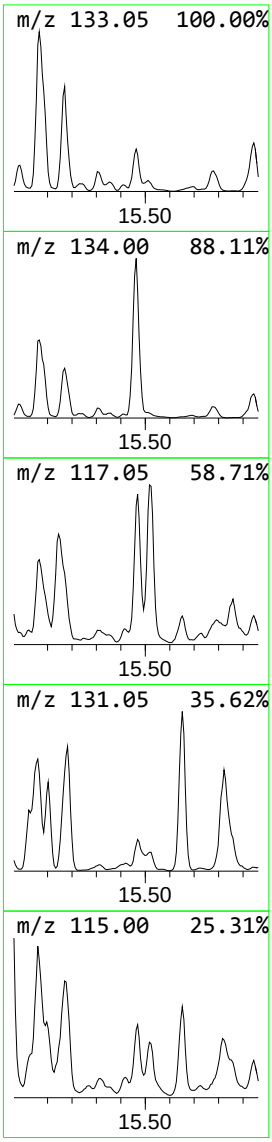
****

Peak Number 58 unknown-03 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.462	3.23 ug/L	1218640	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrahydroquinoxaline	134	C8H10N2	003476-89-9	49
2	Benzaldehyde, 3,4-dimethyl-	134	C9H10O	005973-71-7	46
3	Pyrazine, 2-methyl-6-(1-propenyl...	134	C8H10N2	018217-81-7	43
4	Benzaldehyde, 3-ethyl-	134	C9H10O	034246-54-3	38
5	Isophthalaldehyde	134	C8H6O2	000626-19-7	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122021\
Data File : VW021500.D
Acq On : 20 Dec 2021 16:00
Operator : SY/VA
Sample : M5171-10
Misc : 6.57g/10.0mL/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLA6

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	6.787	1.7	ug/L	173476	1	8.842	2553680	25.0
(DEL) Alkane: S...	6.879	1.9	ug/L	196216	1	8.842	2553680	25.0
(DEL) Alkane: S...	7.525	6.5	ug/L	669477	1	8.842	2553680	25.0
(DEL) Alkane: S...	7.781	1.8	ug/L	180130	1	8.842	2553680	25.0
(DEL) Alkane: S...	7.854	4.0	ug/L	411136	1	8.842	2553680	25.0
(DEL) Alkane: S...	8.037	11.1	ug/L	1134540	1	8.842	2553680	25.0
(DEL) Alkane: S...	8.159	5.7	ug/L	578055	1	8.842	2553680	25.0
(DEL) Alkane: S...	8.512	23.6	ug/L	2408620	1	8.842	2553680	25.0
(DEL) Alkane: C...	8.598	1.9	ug/L	197382	1	8.842	2553680	25.0
(DEL) Alkane: S...	8.689	8.1	ug/L	828894	1	8.842	2553680	25.0
(DEL) Alkane: S...	8.994	4.8	ug/L	491855	1	8.842	2553680	25.0
(DEL) Alkane: S...	9.073	17.8	ug/L	1822650	1	8.842	2553680	25.0
(DEL) Alkane: S...	9.756	4.8	ug/L	494125	1	8.842	2553680	25.0
(DEL) Alkane: S...	9.896	4.9	ug/L	504907	1	8.842	2553680	25.0
(DEL) Alkane: S...	9.957	2.8	ug/L	286756	1	8.842	2553680	25.0
(DEL) Alkane: S...	10.098	4.4	ug/L	447151	1	8.842	2553680	25.0
Carbonic acid, ...	10.250	3.3	ug/L	160073	2	11.634	1221880	25.0
(DEL) Alkane: S...	10.506	8.6	ug/L	420806	2	11.634	1221880	25.0
(DEL) Alkane: C...	10.665	3.6	ug/L	174730	2	11.634	1221880	25.0
(DEL) Alkane: C...	11.177	6.3	ug/L	307185	2	11.634	1221880	25.0
(DEL) Alkane: C...	11.232	4.5	ug/L	220357	2	11.634	1221880	25.0
2,6-Heptadienal...	11.280	3.0	ug/L	148483	2	11.634	1221880	25.0
(DEL) Alkane: S...	11.408	11.9	ug/L	582631	2	11.634	1221880	25.0
(DEL) Alkane: S...	11.512	8.2	ug/L	402930	2	11.634	1221880	25.0
(DEL) Alkane: C...	11.920	3.3	ug/L	159160	2	11.634	1221880	25.0
Undec-10-ynoic ...	12.042	3.1	ug/L	150741	2	11.634	1221880	25.0
Pentalene, octa...	12.341	6.3	ug/L	308745	2	11.634	1221880	25.0
(DEL) Alkane: C...	12.384	8.0	ug/L	390639	2	11.634	1221880	25.0
unknown-01	12.567	3.0	ug/L	145263	2	11.634	1221880	25.0
Benzene, propyl-	12.804	15.0	ug/L	5664500	3	13.560	9418760	25.0
Benzene, 1-ethy...	12.865	49.9	ug/L	18782400	3	13.560	9418760	25.0
Benzene, 1-ethy...	13.103	20.8	ug/L	7836260	3	13.560	9418760	25.0
Benzene, (1-met...	13.384	4.4	ug/L	1669050	3	13.560	9418760	25.0
o-Cymene	13.438	5.9	ug/L	2230230	3	13.560	9418760	25.0
p-Cymene	13.493	3.5	ug/L	1300330	3	13.560	9418760	25.0
Benzene, 1,4-di...	13.719	5.2	ug/L	1952380	3	13.560	9418760	25.0
Benzene, cyclop...	13.749	26.1	ug/L	9853490	3	13.560	9418760	25.0
Benzene, 1,3-di...	13.792	19.3	ug/L	7271740	3	13.560	9418760	25.0
Benzene, 1-meth...	13.944	9.3	ug/L	3493640	3	13.560	9418760	25.0
Benzene, 4-ethy...	14.011	9.5	ug/L	3585400	3	13.560	9418760	25.0
Benzene, 2-ethy...	14.036	8.5	ug/L	3202610	3	13.560	9418760	25.0
1-Phenyl-1-butene	14.200	9.4	ug/L	3545100	3	13.560	9418760	25.0
Benzene, 1-ethy...	14.335	4.2	ug/L	1595100	3	13.560	9418760	25.0
Benzene, 1,2,3,...	14.414	12.0	ug/L	4527770	3	13.560	9418760	25.0
Benzene, 1,3-di...	14.499	5.5	ug/L	2066690	3	13.560	9418760	25.0
Benzene, 1,4-di...	14.536	3.9	ug/L	1461830	3	13.560	9418760	25.0
unknown-02	14.639	3.0	ug/L	1124280	3	13.560	9418760	25.0
1H-Indene, 2,3-...	14.688	7.7	ug/L	2893010	3	13.560	9418760	25.0
2-Propenal, 3-(...	14.725	3.9	ug/L	1451540	3	13.560	9418760	25.0
Benzene, 1-ethy...	14.792	20.1	ug/L	7582350	3	13.560	9418760	25.0
Benzene, (1,1-d...	14.853	5.8	ug/L	2192060	3	13.560	9418760	25.0
Benzene, (1-met...	14.956	4.1	ug/L	1542760	3	13.560	9418760	25.0

Benzene, 1,4-di...	15.066	11.8	ug/L	4425900	3	13.560	9418760	25.0
unknown-03	15.462	3.2	ug/L	1218640	3	13.560	9418760	25.0

Instrument :
MSVOA_W
ClientSampleId :
BGLA6