LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

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: VW021447.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.153	37	41	47	rVB2	681	1198	0.00%	0.001%
2	2.349	65	73	82	rVB	45133	72727	0.11%	0.055%
3	2.495	91	97	106	rBV	5409	11244	0.02%	0.009%
4	2.629	115	119	122	rBV5	717	1346	0.00%	0.001%
5	2.812	142	149	153	rVV	1060	2247	0.00%	0.002%
6	2.879	153	160	176	rVB	22508	48716	0.07%	0.037%
7	4.019	334	347	357	rBV	56125	163725	0.25%	0.124%
8	4.123	357	364	377	rVV2	10349	27969	0.04%	0.021%
9	4.251	383	385	394	rVB2	319	672	0.00%	0.001%
10	4.385	395	407	423	rBB3	1984	6391	0.01%	0.005%
11	4.915	482	494	509	rBB4	3913	13585	0.02%	0.010%
12	5.433	573	579	586	rBB2	548	1576	0.00%	0.001%
13	5.787	629	637	647	rVB4	1780	5920	0.01%	0.004%
14	5.939	652	662	671	rBV3	1549	4560	0.01%	0.003%
15	6.110	679	690	701	rBV4	1665	5207	0.01%	0.004%
16	6.854	810	812	815	rBV	364	517	0.00%	0.000%
17	6.884	815	817	825	rVV3	475	979	0.00%	0.001%
18	6.994	831	835	840	rVV4	469	1006	0.00%	0.001%
19	7.079	840	849	857	rVV	11828	34162	0.05%	0.026%
20	7.171	860	864	875	rVV	3747	9799	0.01%	0.007%
21	7.646	932	942	958	rVV	81387	199632	0.30%	0.151%
22	7.921	980	987	997	rBV4	1587	3993	0.01%	0.003%
23	8.037	999	1006	1013	rVB3	1676	4036	0.01%	0.003%
24	8.152	1017	1025	1033	rBB3	2579	5671	0.01%	0.004%
25	8.274	1033	1045	1060	rBV2	155042	464300	0.71%	0.351%
26	8.408	1065	1067	1068	rBV	453	473	0.00%	0.000%
27	8.482	1074	1079	1087	rVB3	3246	8431	0.01%	0.006%
28	8.604	1098	1099	1105	rVB2	272	457	0.00%	0.000%
29	8.695	1108	1114	1123	rBV3	2155	4293	0.01%	0.003%
30	8.841	1130	1138	1148	rBV	168592	330437	0.50%	0.250%
31	9.067	1167	1175	1184	rBV2	8482	18950	0.03%	0.014%
32	9.274	1200	1209	1223	rBV	107648	232242	0.35%	0.176%
33	9.384	1223	1227	1234	rVB3	2949	5319	0.01%	0.004%
34	9.457	1234	1239	1241	rBV3	288	456	0.00%	0.000%
35	9.512	1246	1248	1254	rVV5	598	930	0.00%	0.001%
36	9.573	1254	1258	1260	rVV4	813	1179	0.00%	0.001%

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Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BGL73

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

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

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

37	9.609	1260	1264	1269	rVB5	1416	2672	0.00%	0.002%
38	9.670	1269	1274	1275	rBV2	339	439	0.00%	0.000%
39	9.756	1281	1288	1300	rVB4	5125	11406	0.02%	0.009%
40	9.896	1300	1311	1316	rBV2	6906	16080	0.02%	0.012%
41	9.957	1316	1321	1324	rBV	3120	5050	0.01%	0.004%
42	10.036	1328	1334	1340	rVV	54758	93668	0.14%	0.071%
43	10.097	1340	1344	1355	rVB5	5082	12986	0.02%	0.010%
44	10.207	1357	1362	1363	rBV3	717	1131	0.00%	0.001%
45	10.243	1364	1368	1374	rVB3	3525	5716	0.01%	0.004%
46	10.323	1374	1381	1389	rBV	246436	428891	0.65%	0.325%
47	10.506	1404	1411	1417	rVB6	5634	12099	0.02%	0.009%
48	10.579	1417	1423	1432	rBV	35500	62204	0.09%	0.047%
49	10.664	1432	1437	1440	rBV	6433	10986	0.02%	0.008%
50	10.847	1463	1467	1472	rVB5	5773	10636	0.02%	0.008%
51	10.920	1473	1479	1487	rBV2	54599	105802	0.16%	0.080%
52	10.993	1488	1491	1493	rBV2	4705	6564	0.01%	0.005%
53	11.109	1506	1510	1513	rBV3	9554	16067	0.02%	0.012%
54	11.231	1526	1530	1534	rBV	10024	15091	0.02%	0.011%
55	11.505	1573	1575	1587	rVB2	23218	47311	0.07%	0.036%
56	11.627	1589	1595	1603	rBV	235303	397921	0.61%	0.301%
57	11.731	1606	1612	1621	rVB	102863	186602	0.28%	0.141%
58	11.871	1621	1635	1639	rBV4	50682	159537	0.24%	0.121%
59	12.133	1671	1678	1686	rBV4	55952	144937	0.22%	0.110%
60	12.249	1694	1697	1701	rVB2	34147	47825	0.07%	0.036%
61	12.335	1701	1711	1712	rBV5	40454	94320	0.14%	0.071%
62	12.463	1727	1732	1737	rBV	133100	216013	0.33%	0.164%
63	12.694	1765	1770	1775	rVB	90788	150306	0.23%	0.114%
64	12.798	1781	1787	1792	rVB	60738	129793	0.20%	0.098%
65	12.859	1793	1797	1800	rBV3	25240	45741	0.07%	0.035%
66	12.938	1806	1810	1815	rVB4	81295	145382	0.22%	0.110%
67	13.103	1830	1837	1843	rBV3	55633	138126	0.21%	0.105%
68	13.164	1843	1847	1855	rVB4	57427	100593	0.15%	0.076%
69	13.249	1857	1861	1865	rBV	94923	135998	0.21%	0.103%
70	13.292	1865	1868	1871	rBV3	38519	64792	0.10%	0.049%
71	13.554	1907	1911	1929	rVB3	220959	507134	0.77%	0.384%
72	13.712	1934	1937	1940	rBV	44318	63608	0.10%	0.048%
73	13.749	1940	1943	1947	rVV2	48426	69050	0.11%	0.052%
74	13.853	1956	1960	1968	rVB3	178325	455323	0.69%	0.345%
75	13.944	1972	1975	1982	rVB2	43924	69762	0.11%	0.053%
76	14.005	1982	1985	1988	rBV	44847	60820	0.09%	0.046%

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Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

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	14.090	1995	1999	2007	rVB	145436	230681	0.35%	0.175%
78	14.200	2012	2017	2022	rVB2	90954	148132	0.23%	0.112%
79	14.261	2022	2027	2033	rBV7	32893	81222	0.12%	0.061%
80	14.413	2043	2052	2055	rBV	240959	448115	0.68%	0.339%
81	14.456	2055	2059	2062	rVV	236044	353362	0.54%	0.268%
82	14.493	2062	2065	2069	rVB2	108475	157942	0.24%	0.120%
83	14.639	2085	2089	2092	rBV	60526	77770	0.12%	0.059%
84	14.682	2092	2096	2100	rBV2	186111	319602	0.49%	0.242%
85	14.791	2108	2114	2121	rBV3	380882	966828	1.47%	0.732%
86	14.852	2121	2124	2129	rVB	103007	150011	0.23%	0.114%
87	14.956	2137	2141	2149	rVB3	68666	125706	0.19%	0.095%
88	15.060	2153	2158	2169	rVV2	233263	607712	0.93%	0.460%
89	15.169	2171	2176	2184	rVB3	156998	343162	0.52%	0.260%
90	15.365	2200	2208	2216	rVB	9628604	17409511	26.50%	13.180%
91	15.462	2218	2224	2230	rVV	380727	706797	1.08%	0.535%
92	15.651	2248	2255	2263	rBV	320838	591680	0.90%	0.448%
93	15.822	2277	2283	2296	rVB	268118	691556	1.05%	0.524%
94	15.944	2297	2303	2310	rBV	220083	534291	0.81%	0.404%
95	16.023	2311	2316	2323	rVB2	285825	588745	0.90%	0.446%
96	16.273	2352	2357	2364	rVB	130964	290253	0.44%	0.220%
97	16.377	2364	2374	2377	rVV2	736226	1807822	2.75%	1.369%
98	16.456	2377	2387	2398	rVV2	21475985	65686148	100.00%	49.726%
99	16.566	2398	2405	2410	rVV	649010	1417470	2.16%	1.073%
100	16.645	2410	2418	2432	rVB2	13133310	32418126	49.35%	24.541%

Sum of corrected areas: 132095371

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
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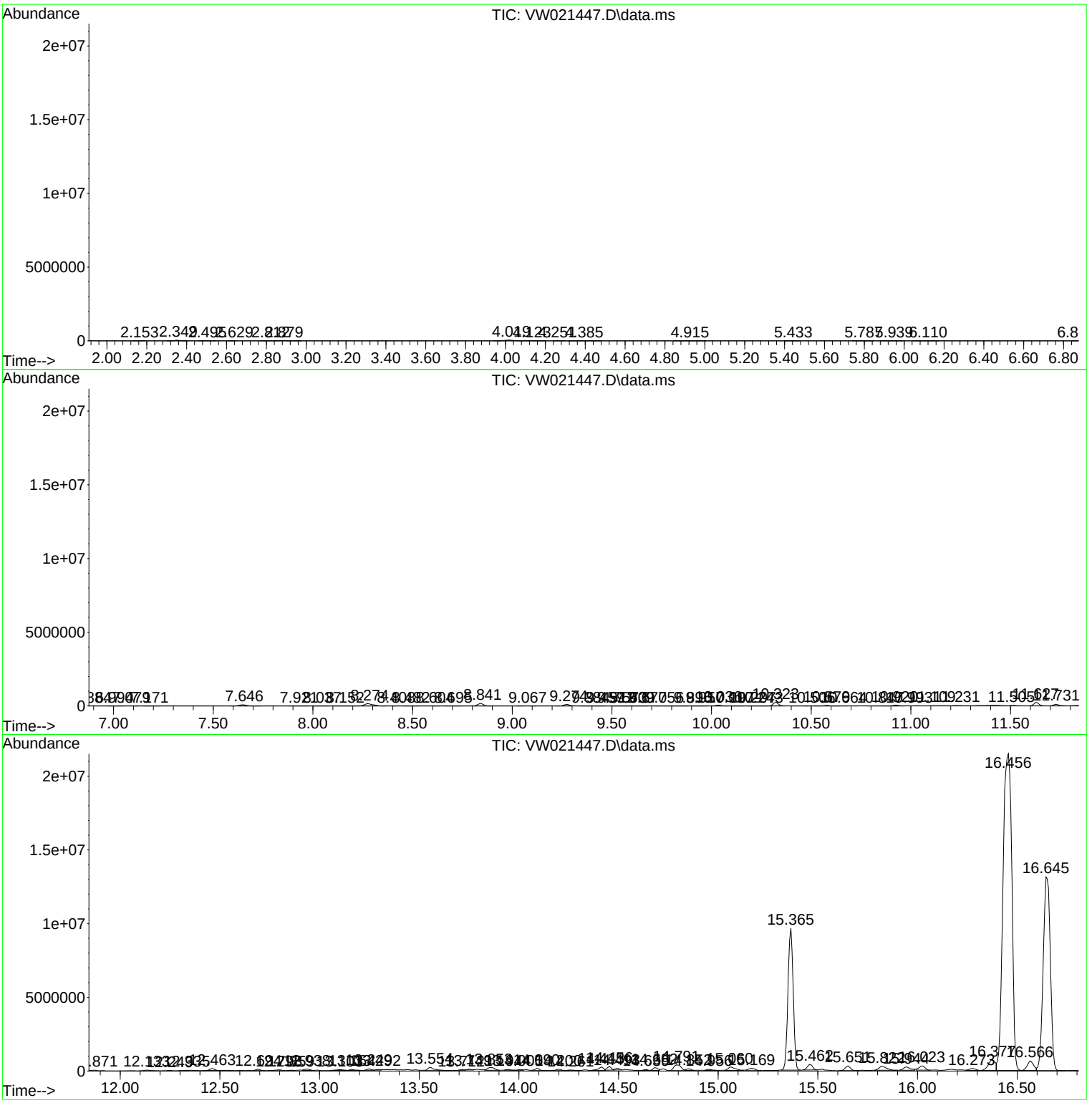
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

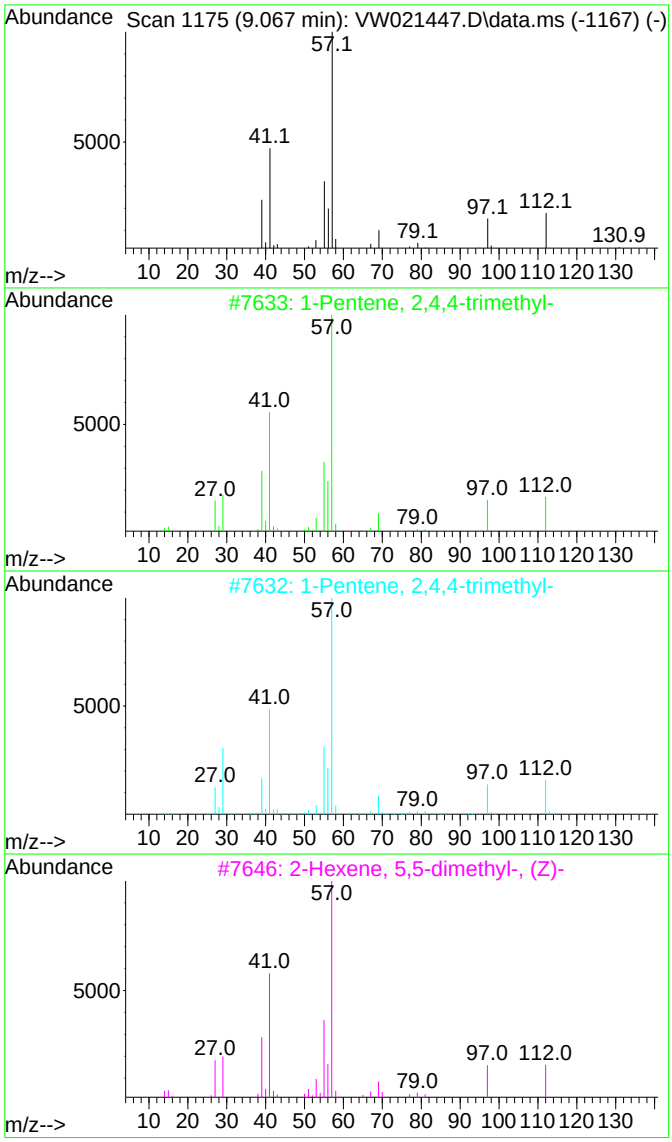
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

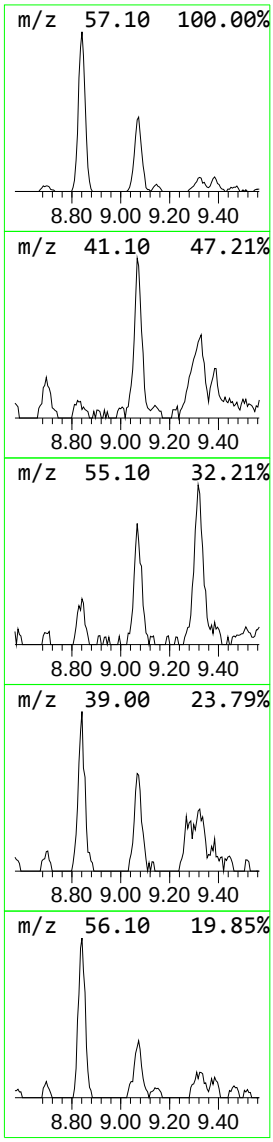
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.067	1.43 ug/L	18950	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	87
2	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	83
3	2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	72
4	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	64
5	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

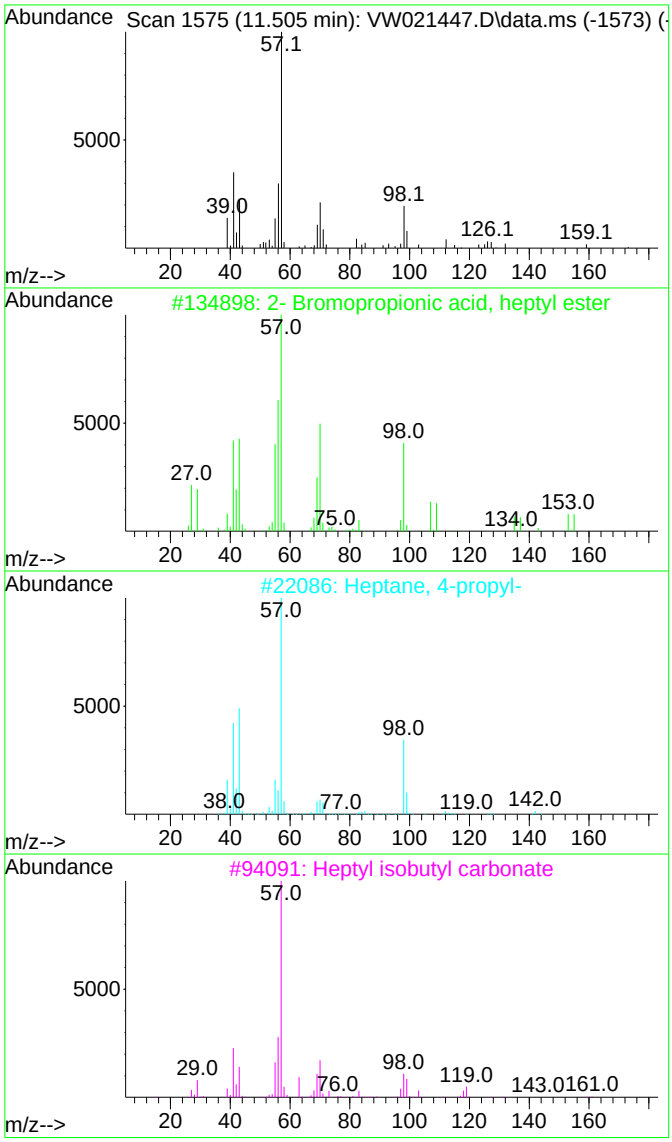
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

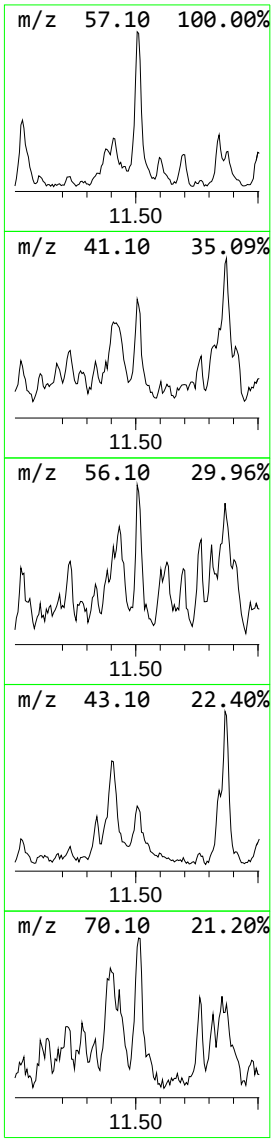
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2- Bromopropionic acid, hep... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.506	2.97 ug/L	47311	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2- Bromopropionic acid, heptyl e...	250	C10H19BrO2	038674-99-6	53
2	Heptane, 4-propyl-	142	C10H22	003178-29-8	50
3	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	50
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	45
5	Octane, 3-methyl-	128	C9H20	002216-33-3	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

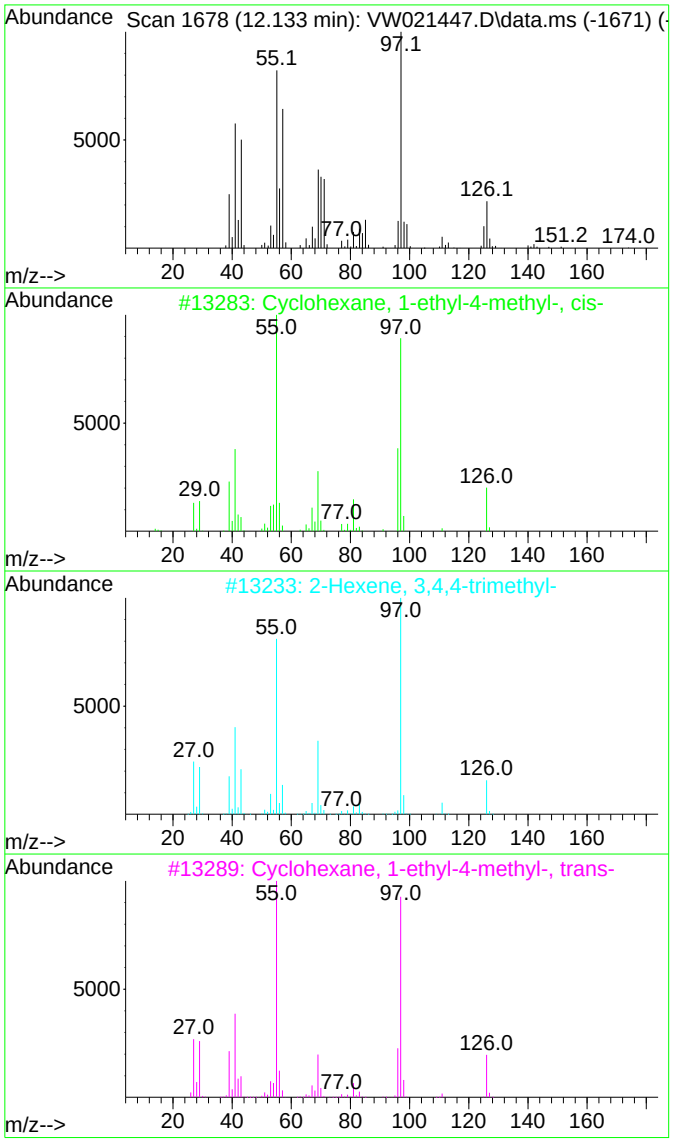
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

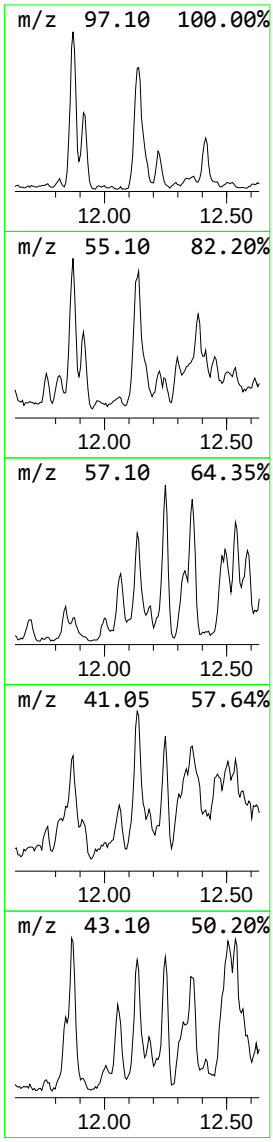
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Cyclic12.133 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.133	9.11 ug/L	144937	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	49
2	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	49
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	49
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	49
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

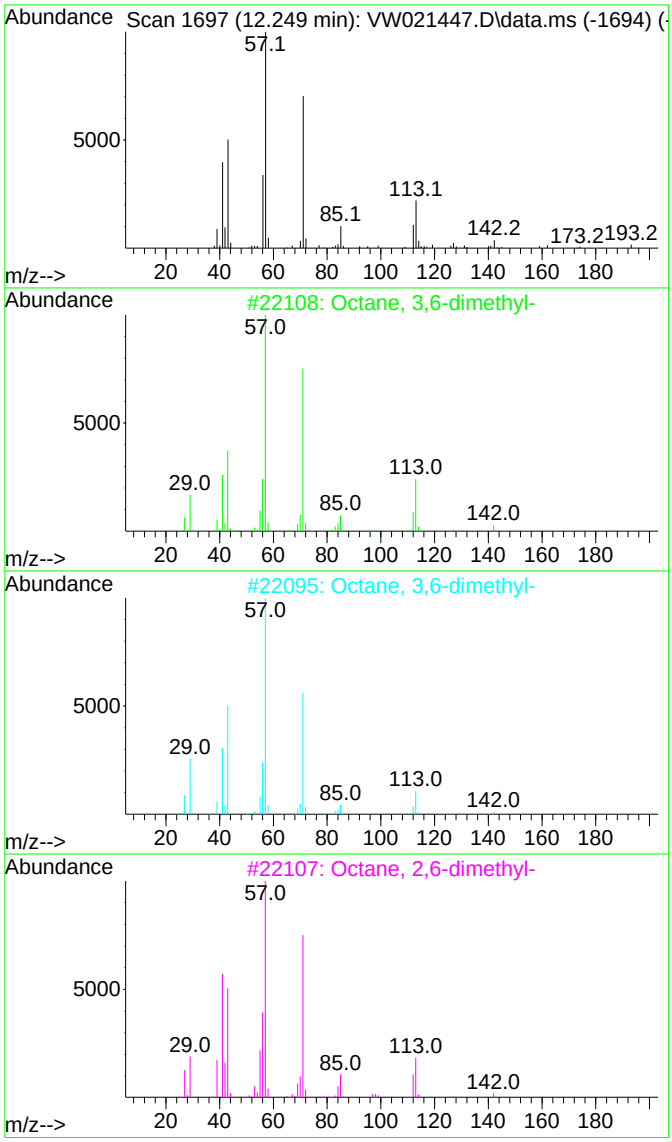
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

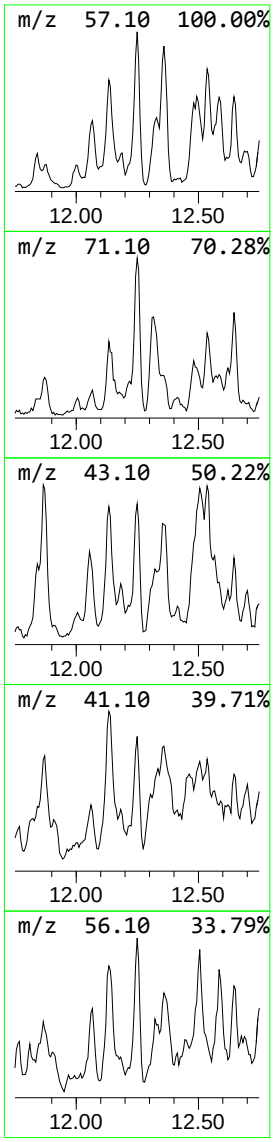
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.249	3.00 ug/L	47825	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	86
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64
5	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

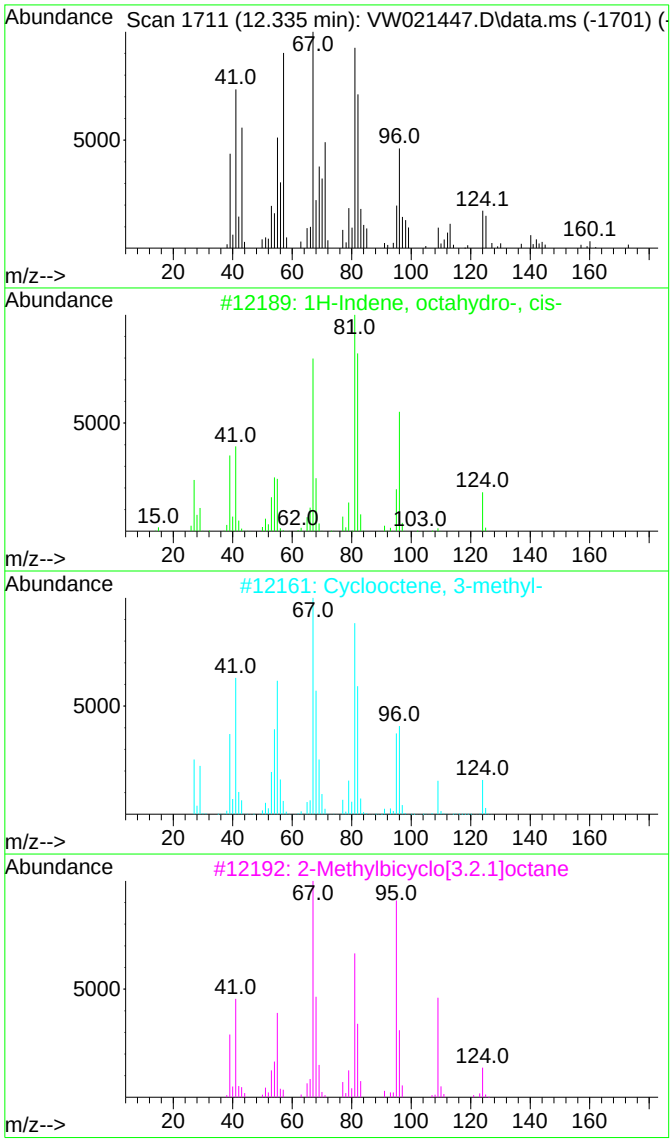
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

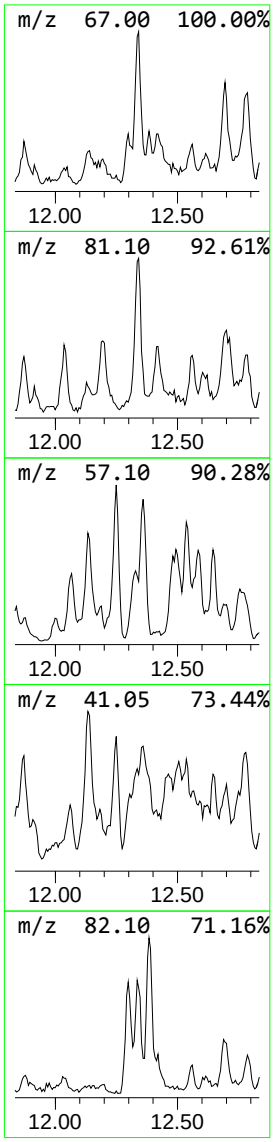
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Indene, octahydro-, cis- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.335	5.93 ug/L	94320	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	81
2	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	70
3	2-Methylbicyclo[3.2.1]octane	124	C9H16	1010215-28-0	52
4	Bicyclo[6.1.0]nonane	124	C9H16	000286-60-2	52
5	Cyclohexene, 4-propyl-	124	C9H16	013487-64-4	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

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

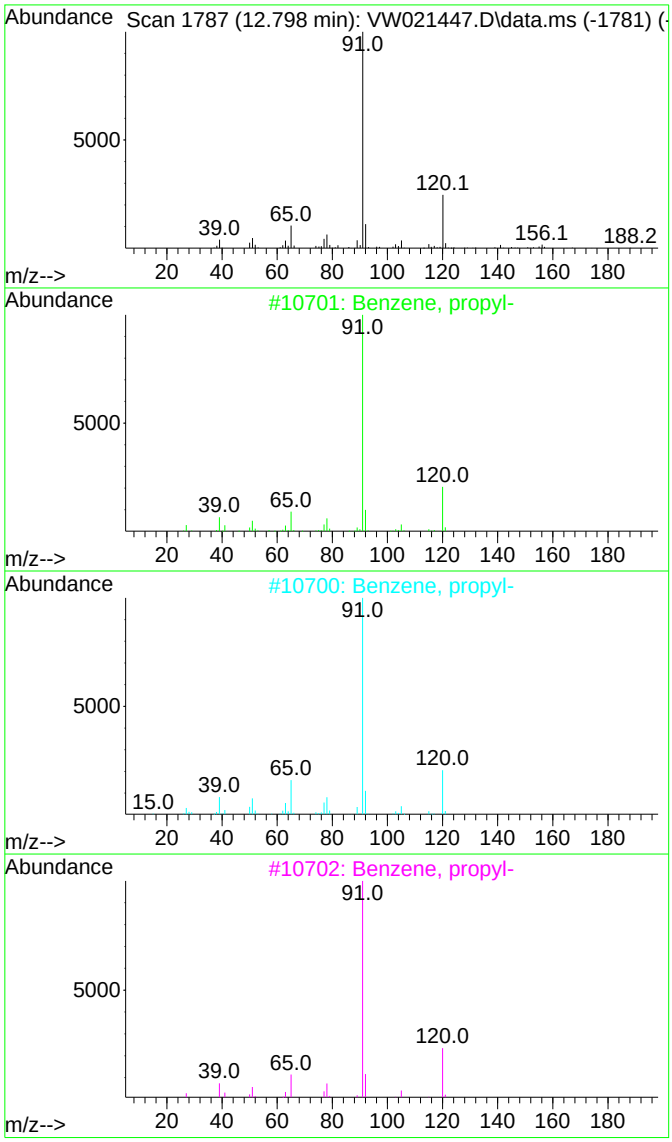
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

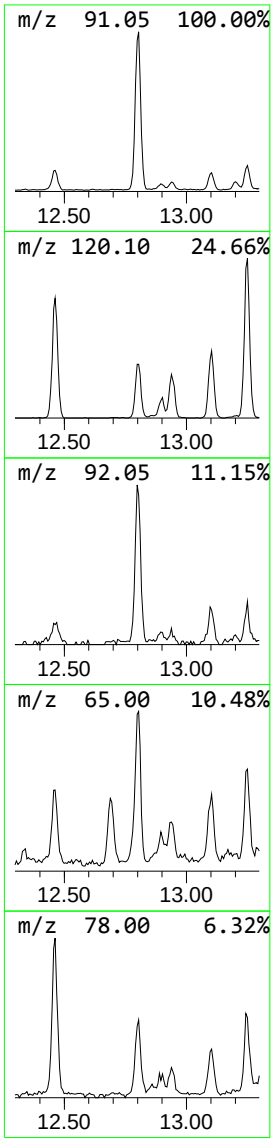
****

Peak Number 7 Benzene, propyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.798	6.40 ug/L	129793	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	Benzene, propyl-	120	C9H12	000103-65-1	83
5	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	72





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Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

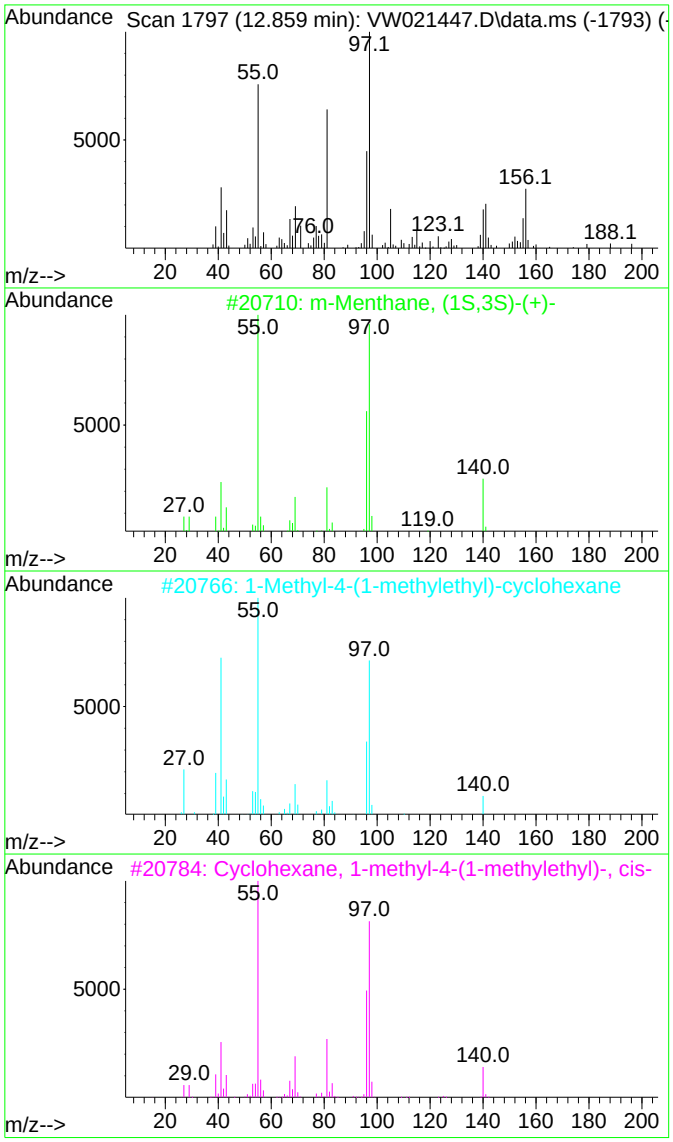
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

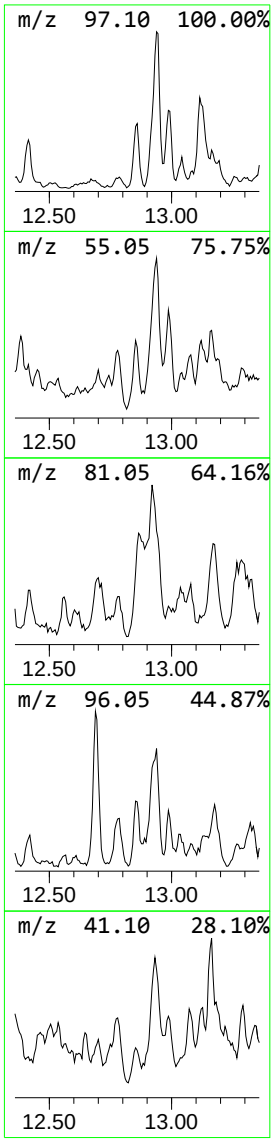
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	2.25 ug/L	45741	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	58
2	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	53
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	53
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	53
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	53





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Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

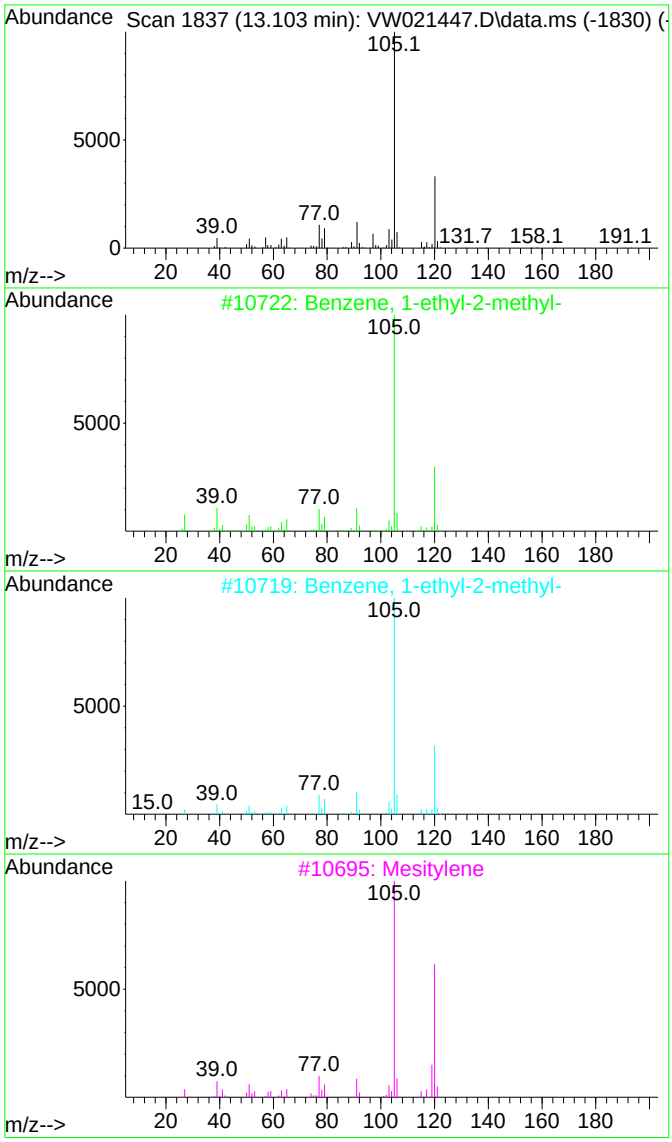
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

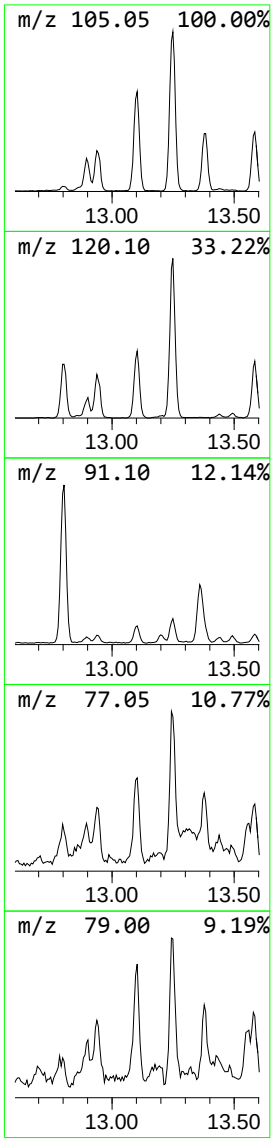
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	6.81 ug/L	138126	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	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

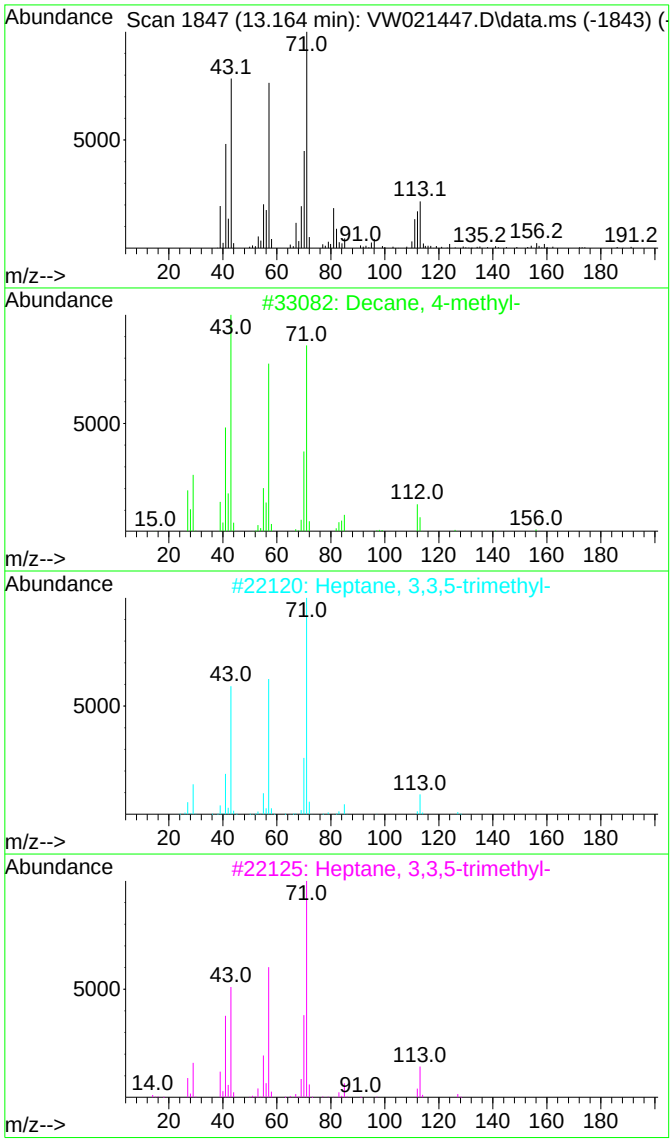
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

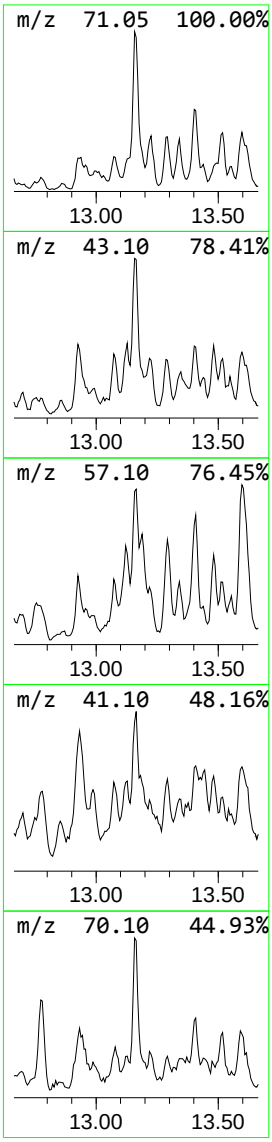
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	4.96 ug/L	100593	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	72
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	59
3	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	53
4	Octane, 2-iodo-	240	C8H17I	000557-36-8	52
5	6-Methyl-2-heptanol, 2-methylpro...	200	C12H24O2	1000447-36-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

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

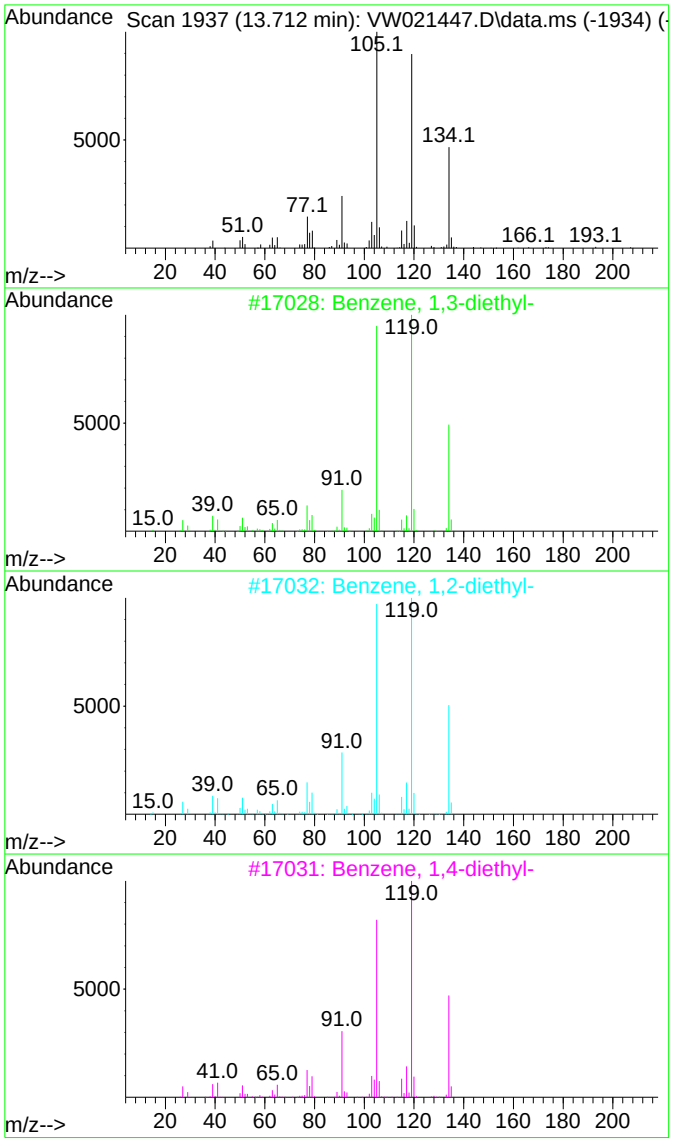
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

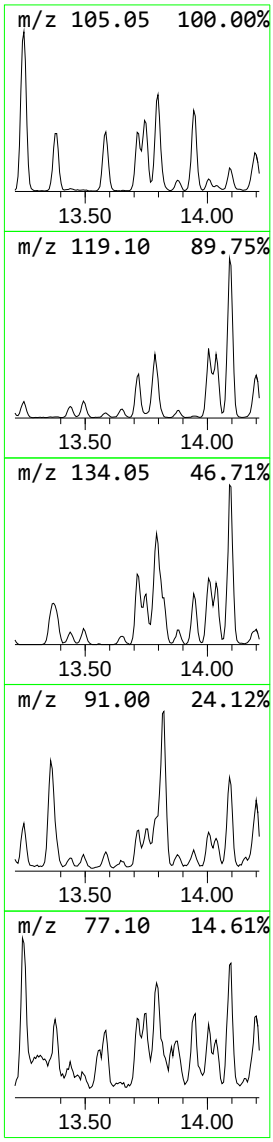
****

Peak Number 11 Benzene, 1,3-diethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.712	3.14 ug/L	63608	1,4-Dichlorobenzene-d4	13.554

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

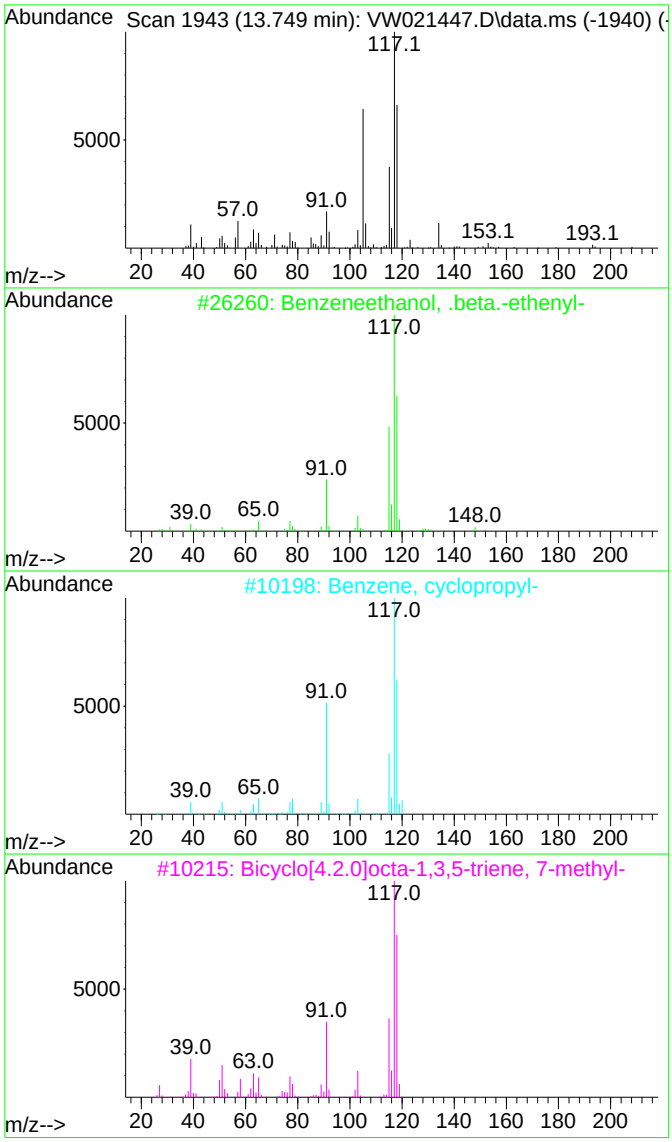
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

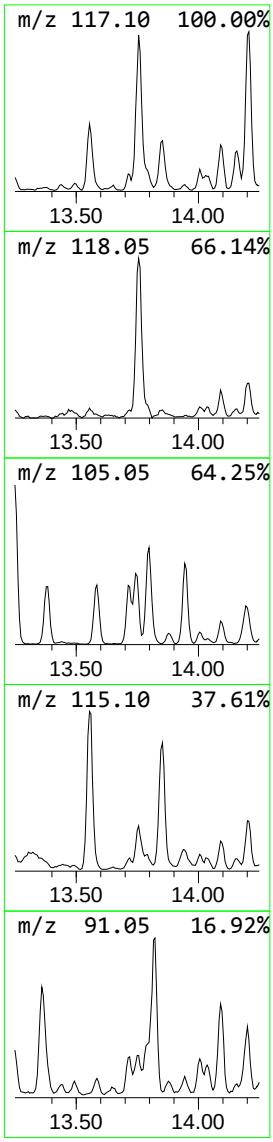
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzeneethanol, .beta.-ethe... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.749	3.40 ug/L	69050	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	72
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	70
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	62
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

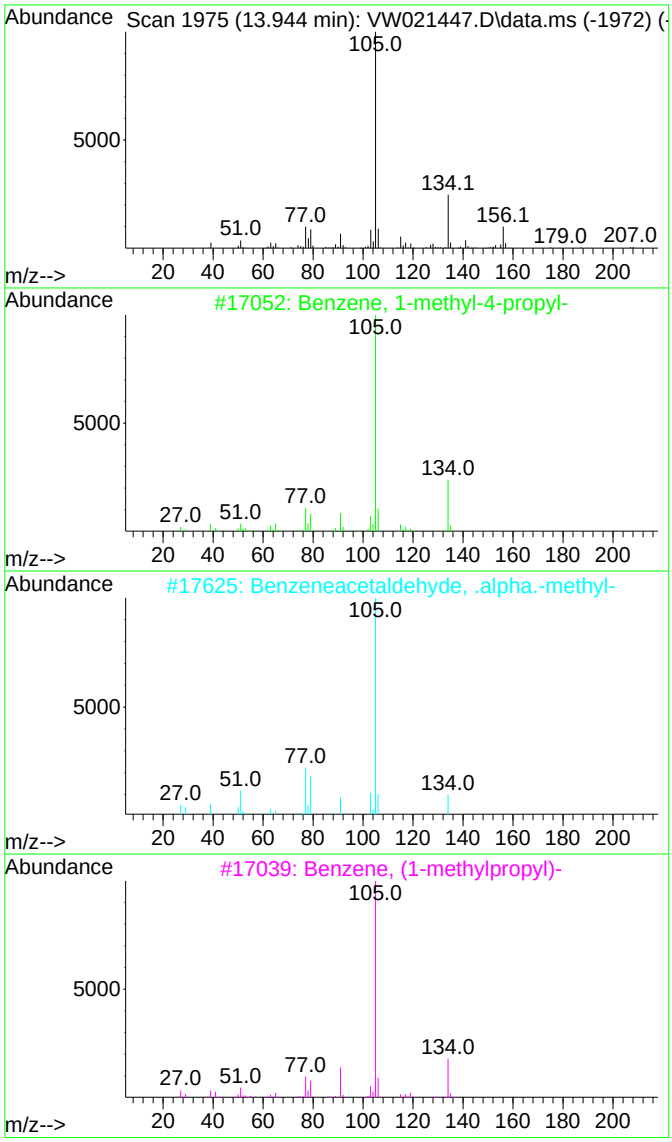
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

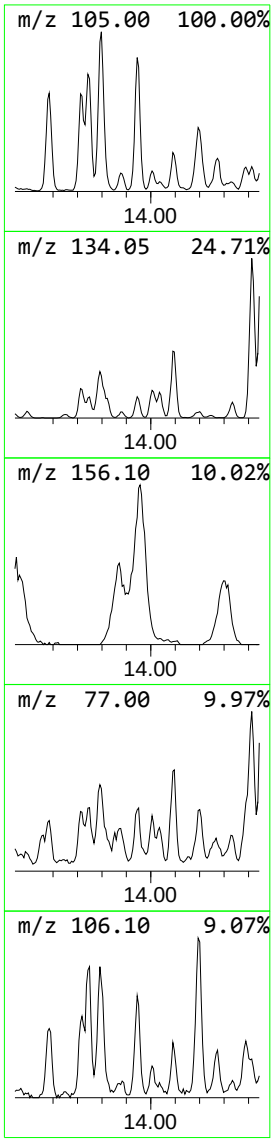
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1-methyl-4-propyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.944	3.44 ug/L	69762	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	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	76
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	76
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	76
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

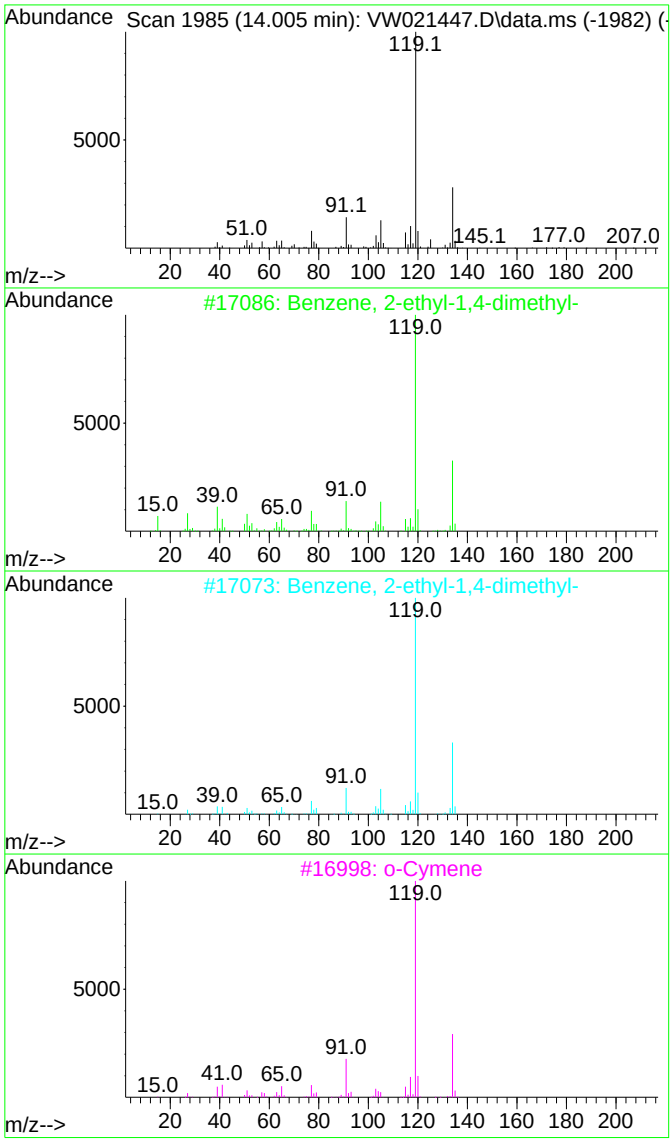
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

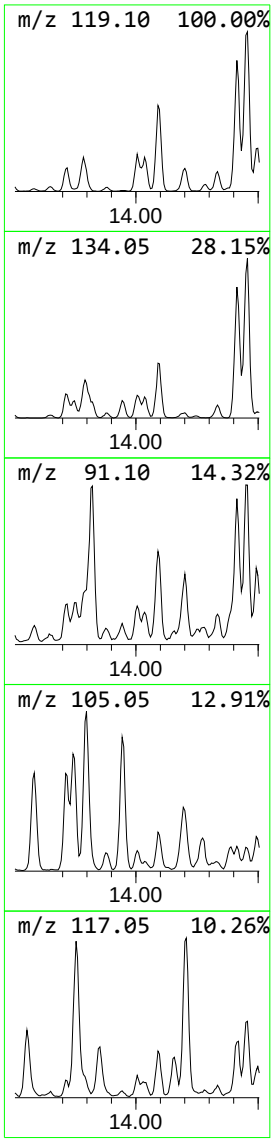
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.005	3.00 ug/L	60820	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, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
3	o-Cymene	134	C10H14	000527-84-4	93
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

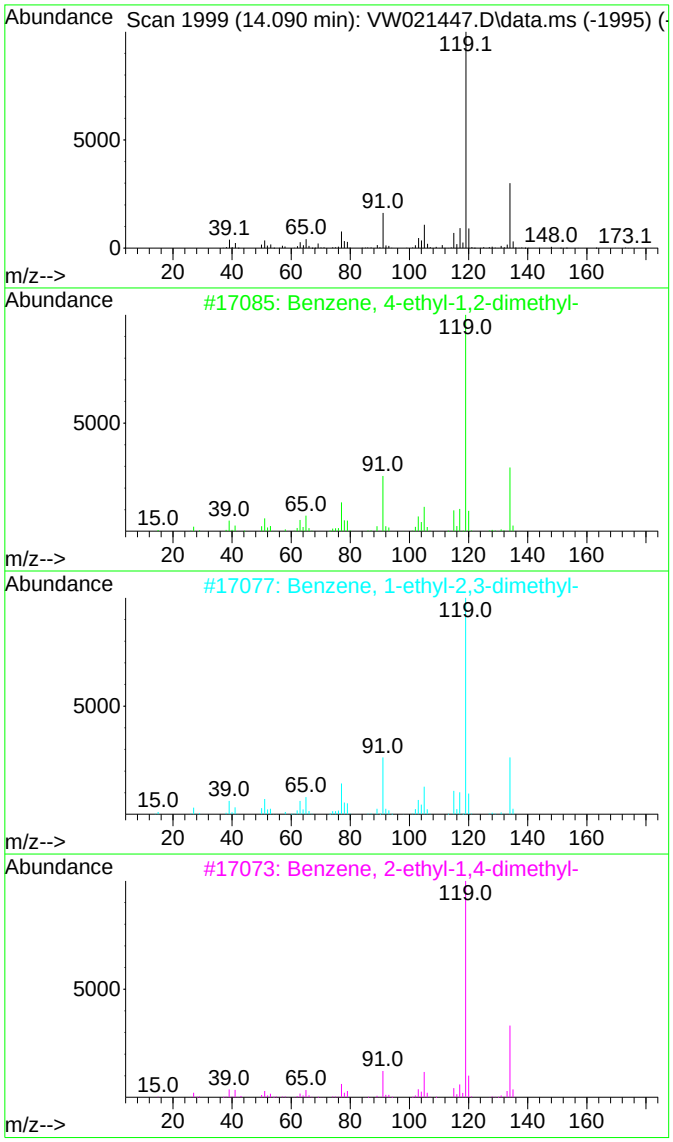
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

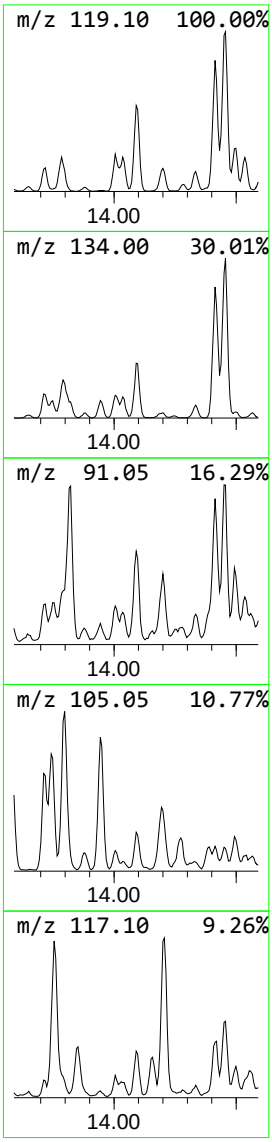
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.090	11.37 ug/L	230681	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94





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Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

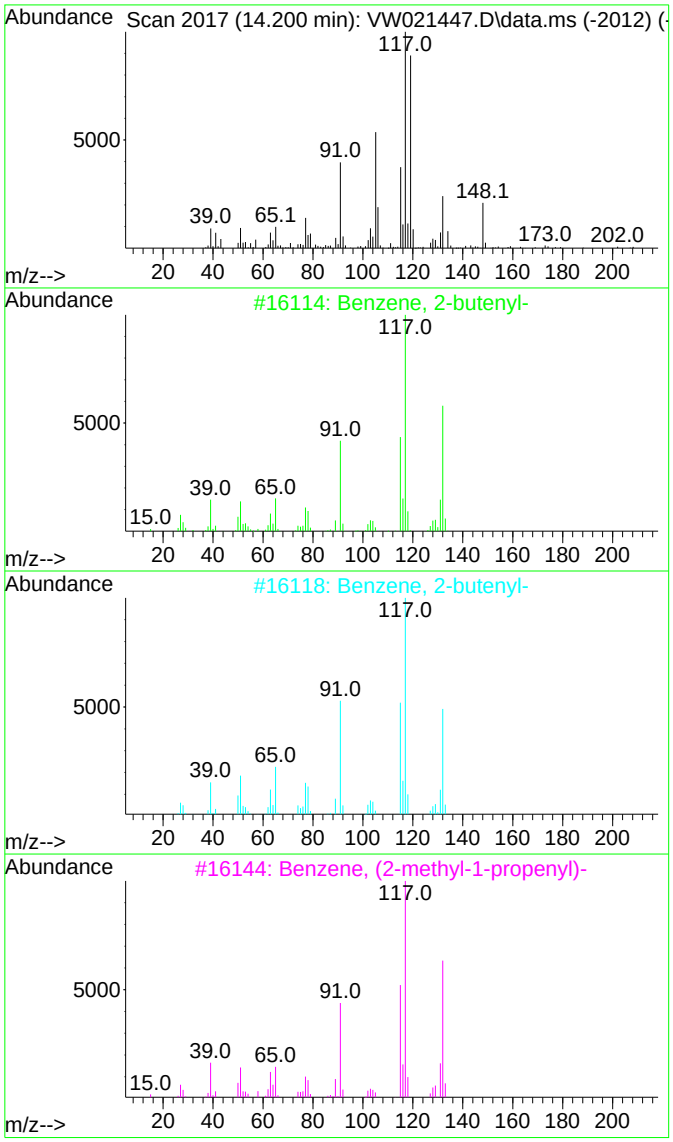
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

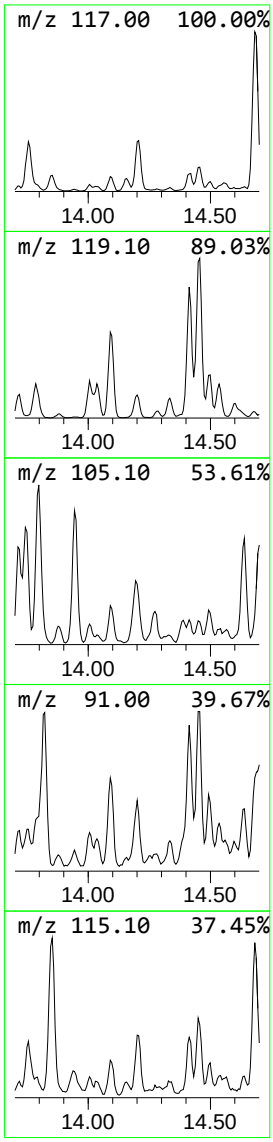
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, 2-butenyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.200	7.30 ug/L	148132	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	80
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	70
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	55
5	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

Quant 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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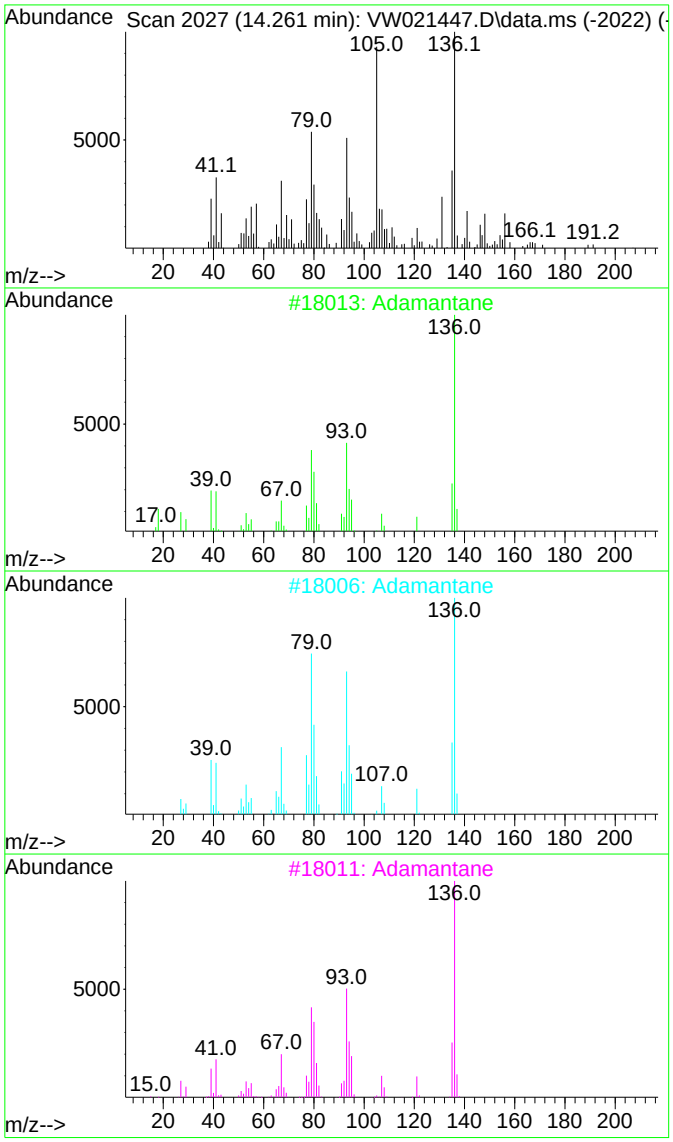
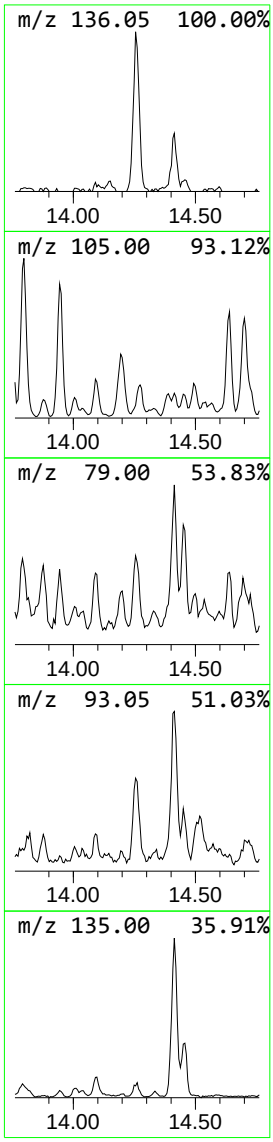
Peak Number 17 Adamantane Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.261	4.00 ug/L	81222	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	81
2	Adamantane	136	C10H16	000281-23-2	81
3	Adamantane	136	C10H16	000281-23-2	76
4	Adamantane	136	C10H16	000281-23-2	76
5	Adamantane	136	C10H16	000281-23-2	68





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Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

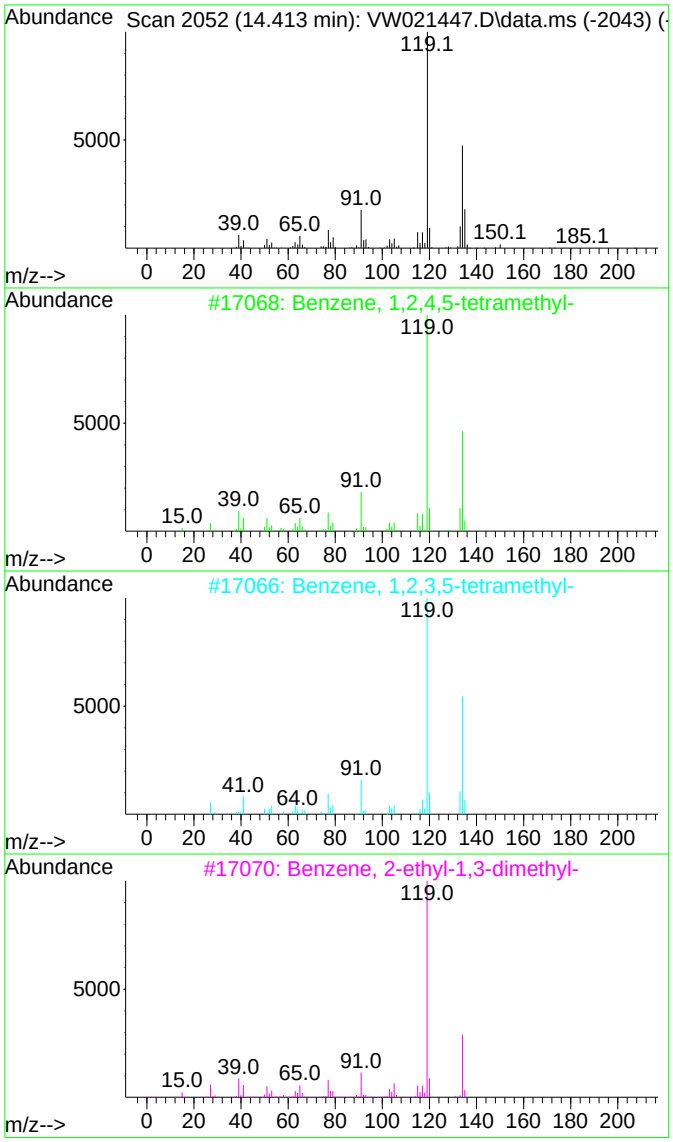
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

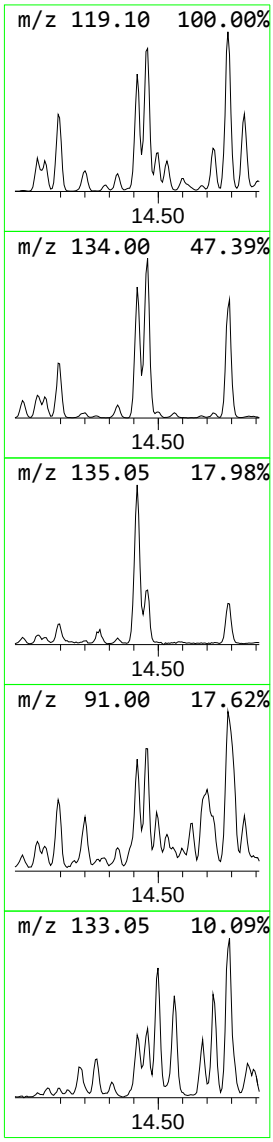
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.414	22.09 ug/L	448115	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	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91





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Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

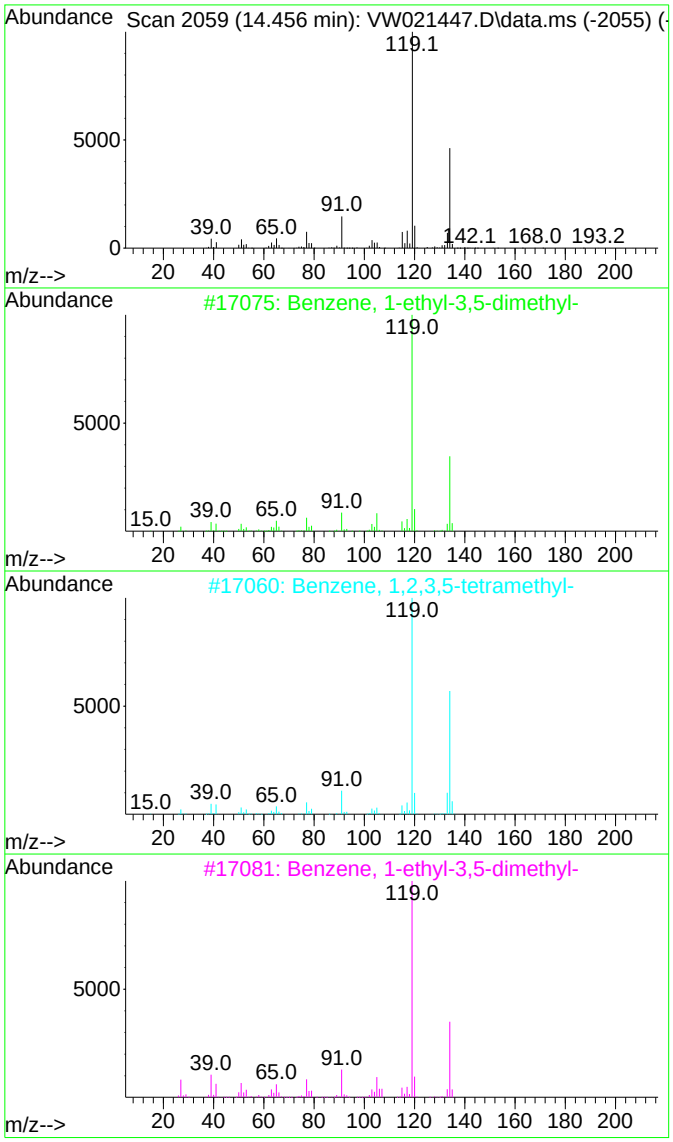
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

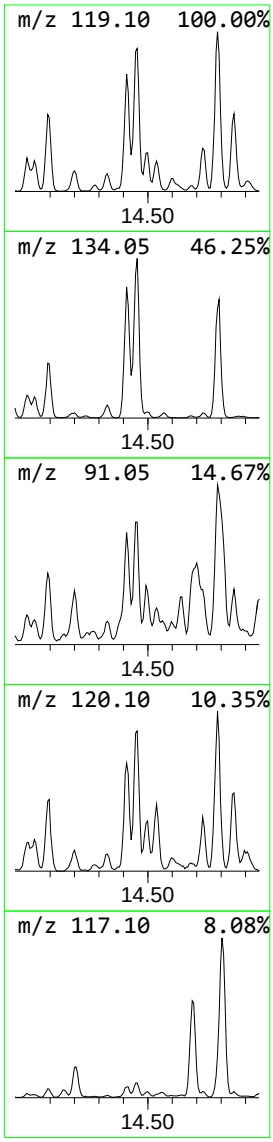
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.456	17.42 ug/L	353362	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





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Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

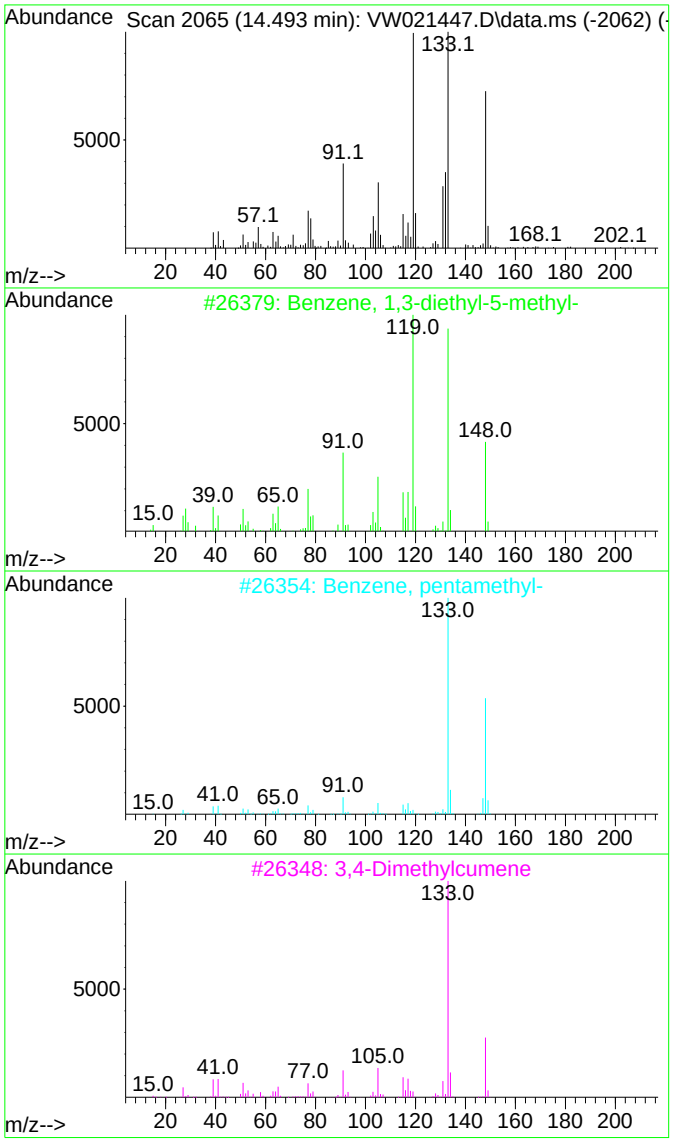
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

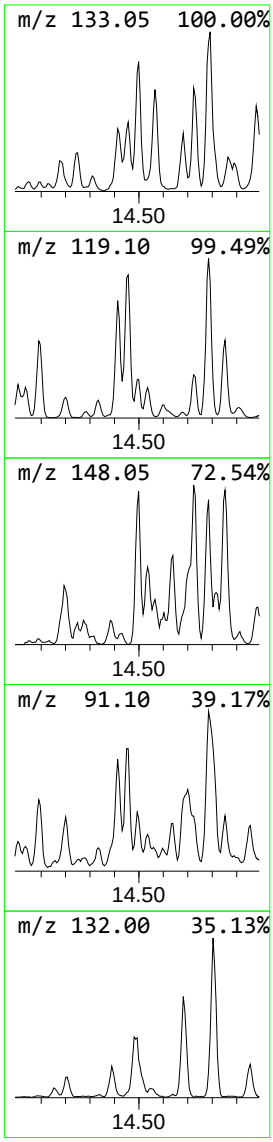
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.493	7.79 ug/L	157942	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	80
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	49
3	3,4-Dimethylcumene	148	C11H16	1000370-34-1	46
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	43
5	5-Amino-2-methoxybenzonitrile	148	C8H8N2O	214623-57-1	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

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

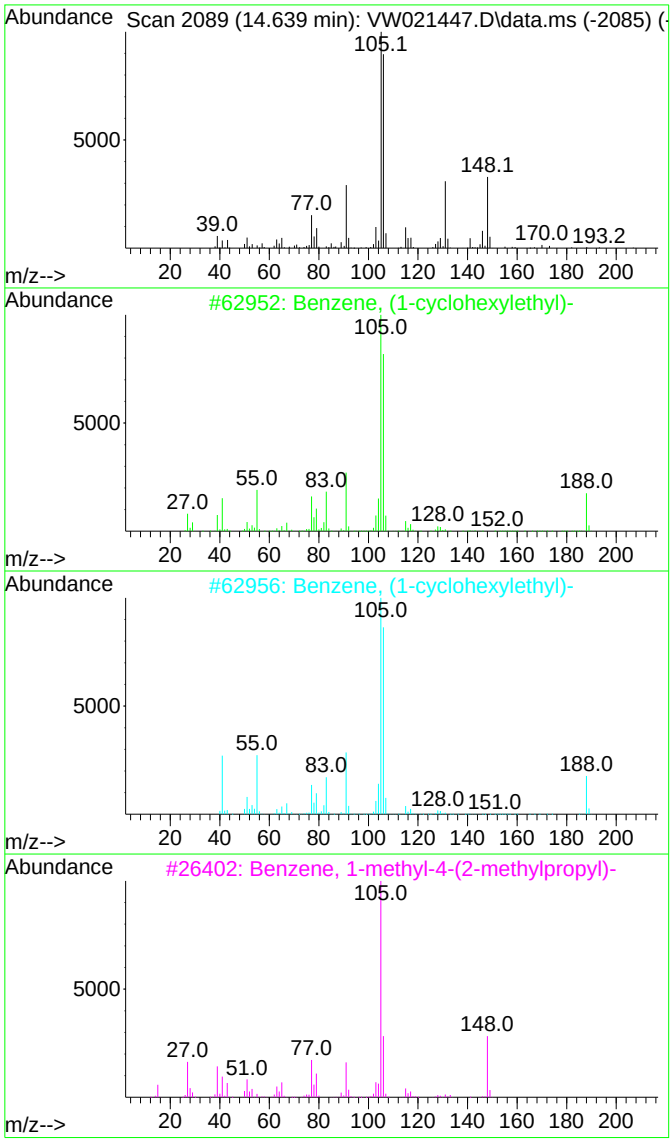
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

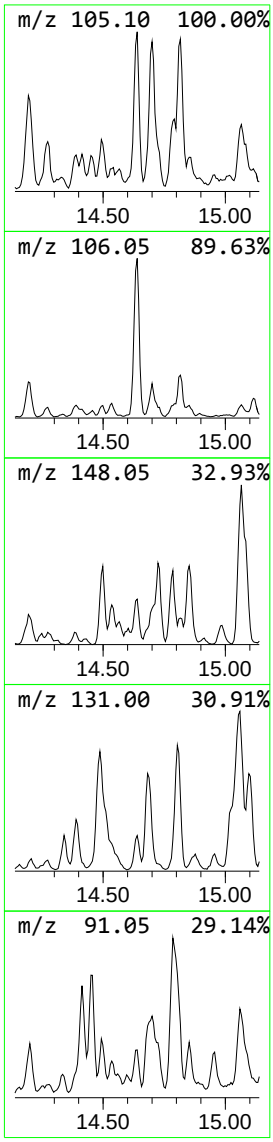
****

Peak Number 21 unknown-01 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.639	3.83 ug/L	77770	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-cyclohexylethyl)-	188	C14H20	004413-16-5	47
2	Benzene, (1-cyclohexylethyl)-	188	C14H20	004413-16-5	47
3	Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	38
4	2-Amino-2-phenylethyl benzoate	241	C15H15NO2	496871-35-3	38
5	Benzenamine, N-butyl-	149	C10H15N	001126-78-9	38





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Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

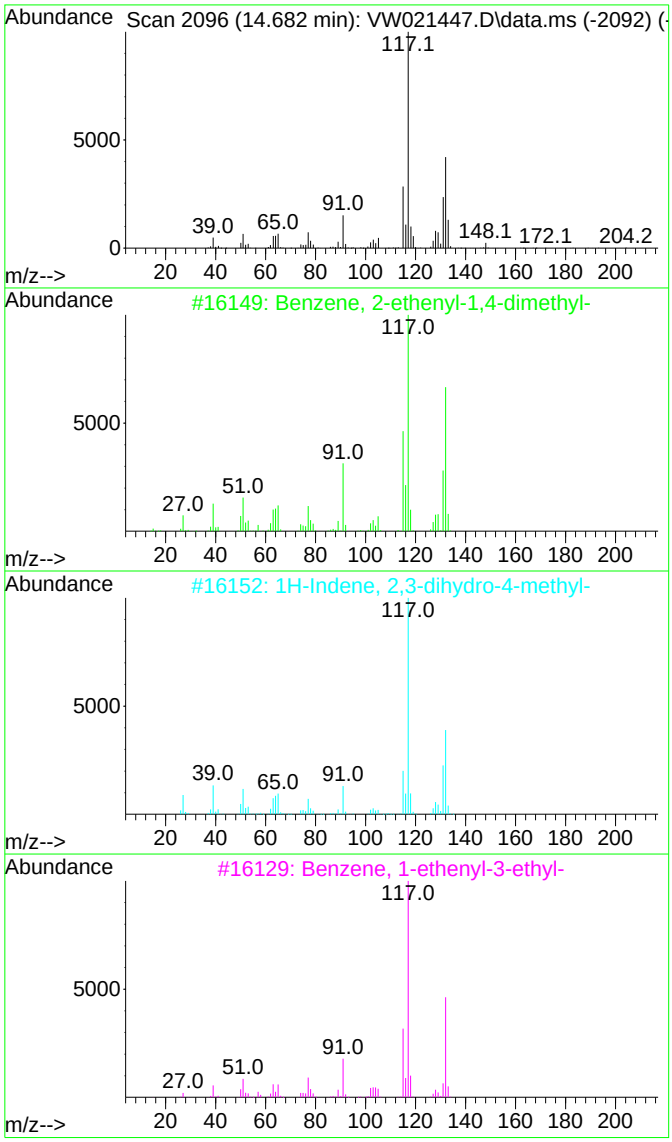
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

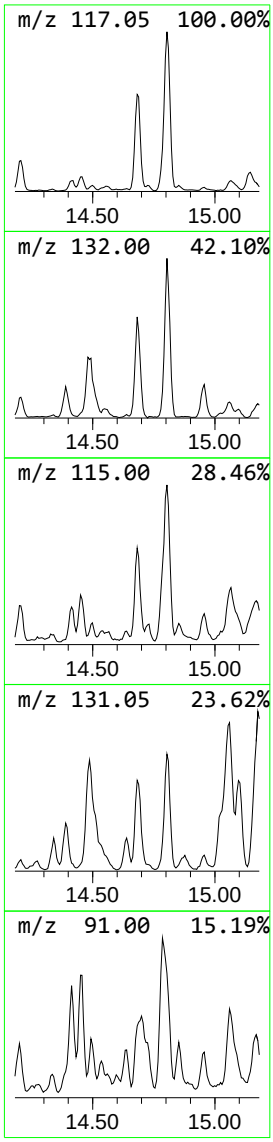
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.682	15.76 ug/L	319602	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

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

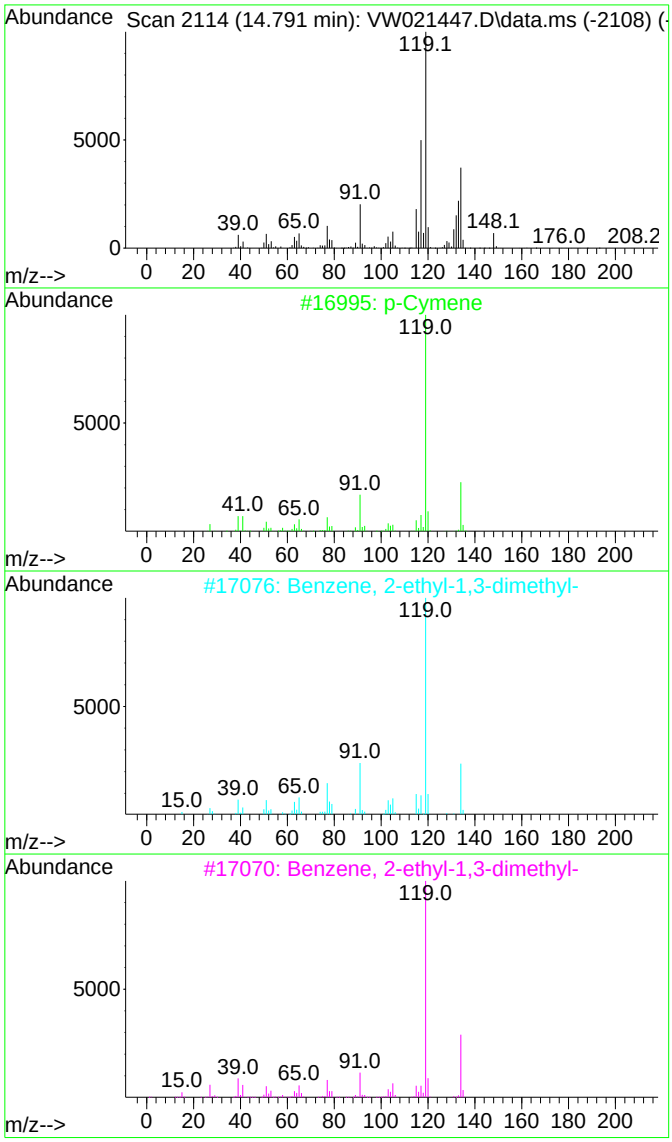
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

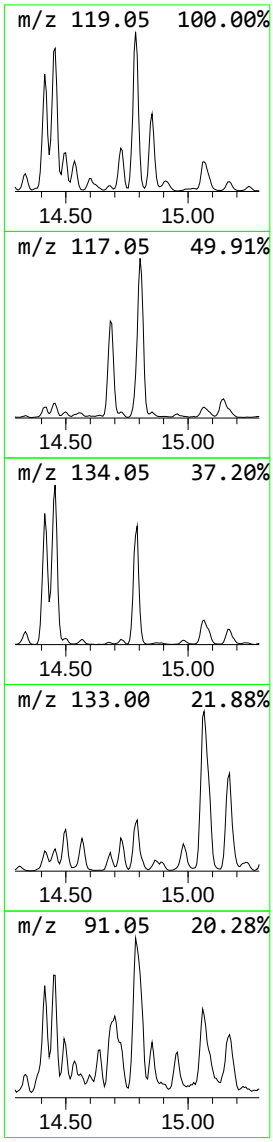
****

Peak Number 23 p-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.791	47.66 ug/L	966828	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	60
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	60
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	60
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	60
5	o-Cymene	134	C10H14	000527-84-4	60





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Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

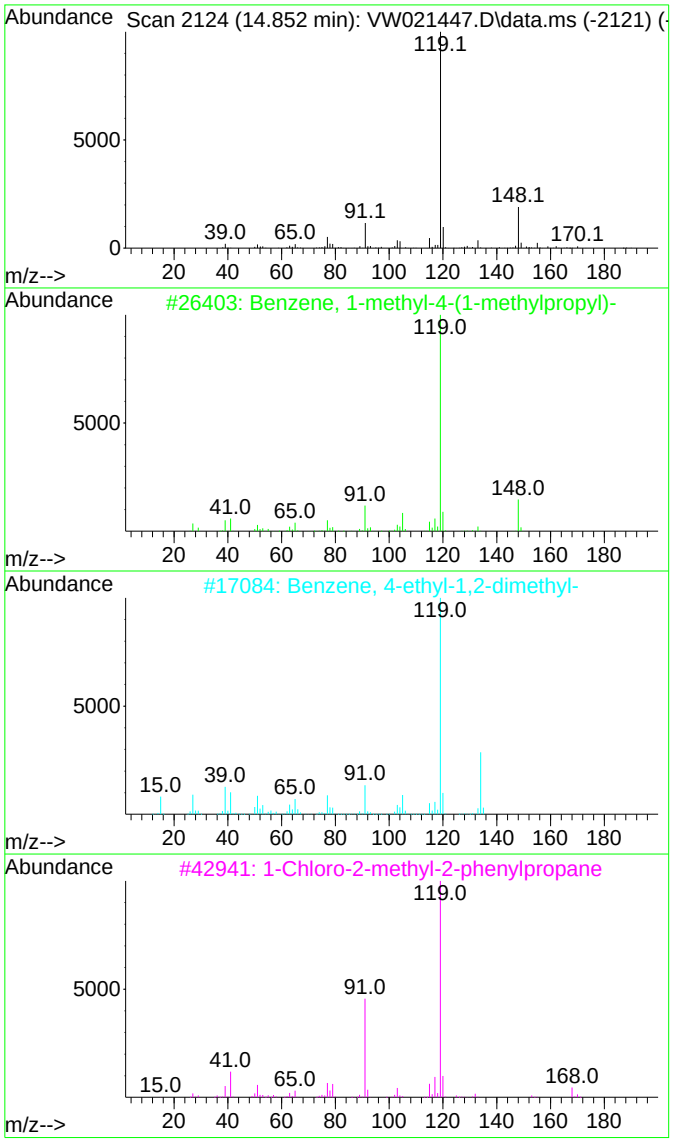
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

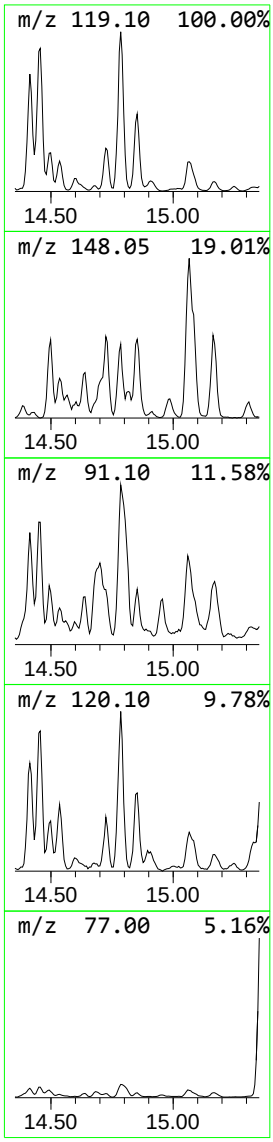
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Benzene, 1-methyl-4-(1-meth... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.852	7.40 ug/L	150011	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	91
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	72
3	1-Chloro-2-methyl-2-phenylpropane	168	C10H13Cl	000515-40-2	64
4	1-Chloromethyl-3,5-dimethylbenzene	154	C9H11Cl	002745-54-2	64
5	Acetic acid, (2,4-xylyl)-	164	C10H12O2	006331-04-0	64





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Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

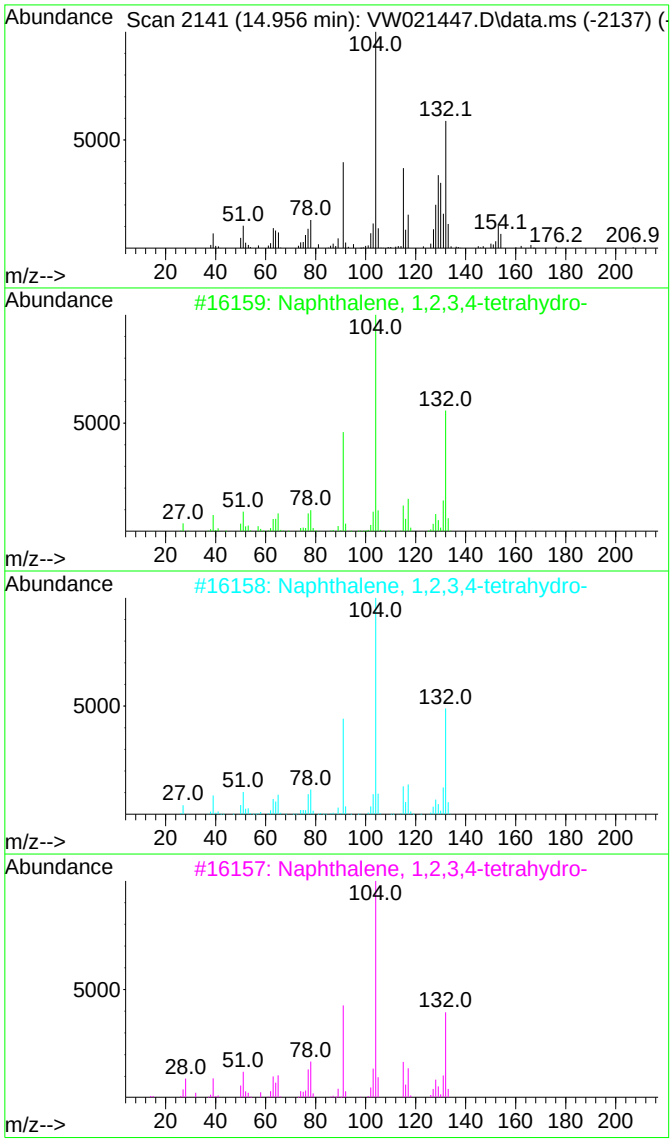
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

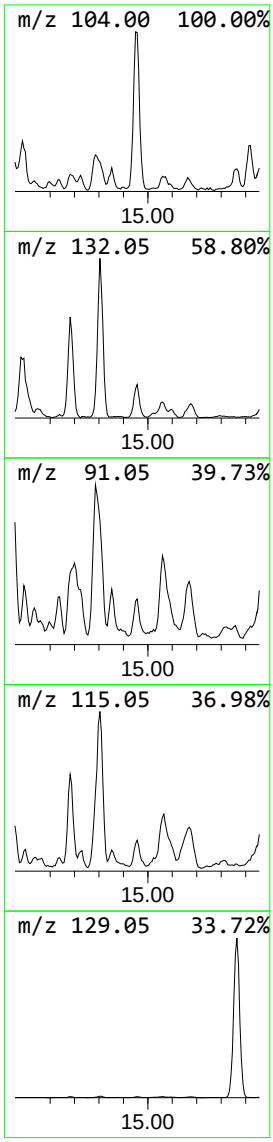
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.956	6.20 ug/L	125706	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	91
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	83
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	83
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	83
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	64





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Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

Quant 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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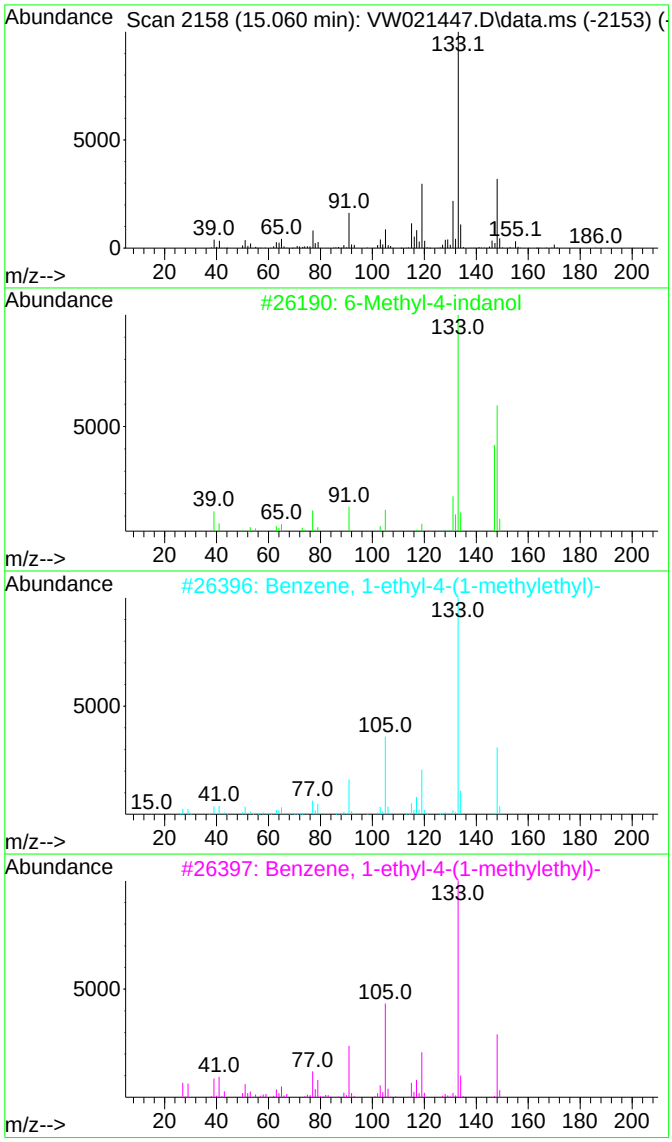
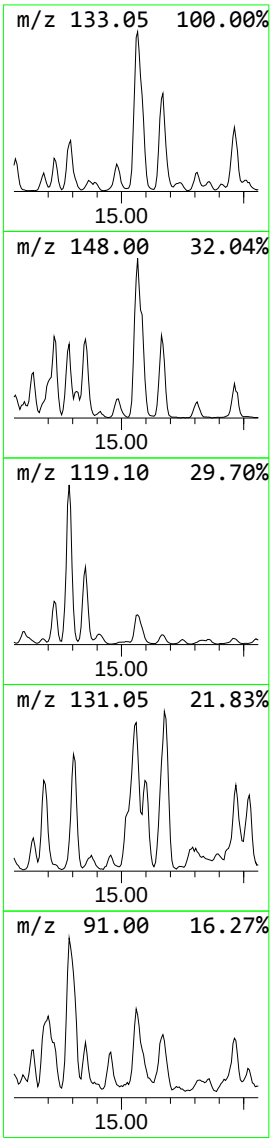
Peak Number 26 6-Methyl-4-indanol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	29.96 ug/L	607712	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methyl-4-indanol	148	C10H12O	020294-32-0	83
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	81
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	74
4	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	72
5	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	70





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Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

Quant 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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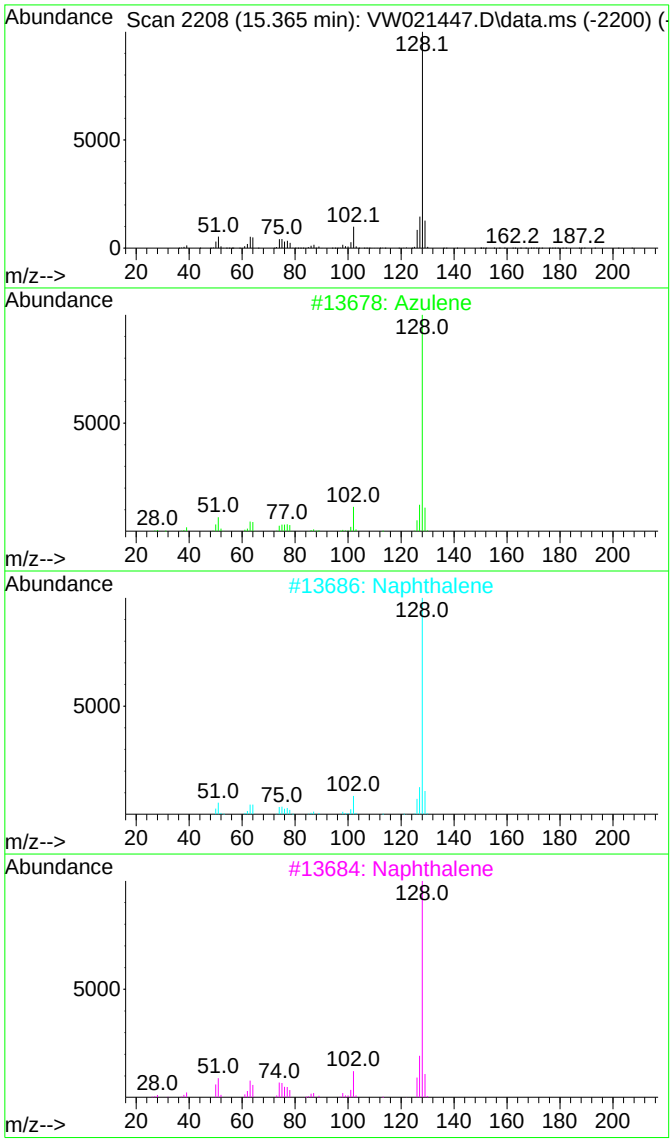
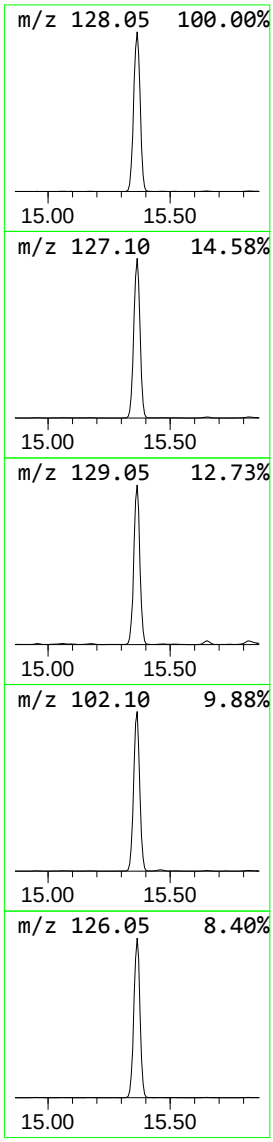
Peak Number 27 Azulene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.365	858.23 ug/L	17409500	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	95
2	Naphthalene	128	C10H8	000091-20-3	95
3	Naphthalene	128	C10H8	000091-20-3	95
4	Azulene	128	C10H8	000275-51-4	91
5	Azulene	128	C10H8	000275-51-4	91





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Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

Quant 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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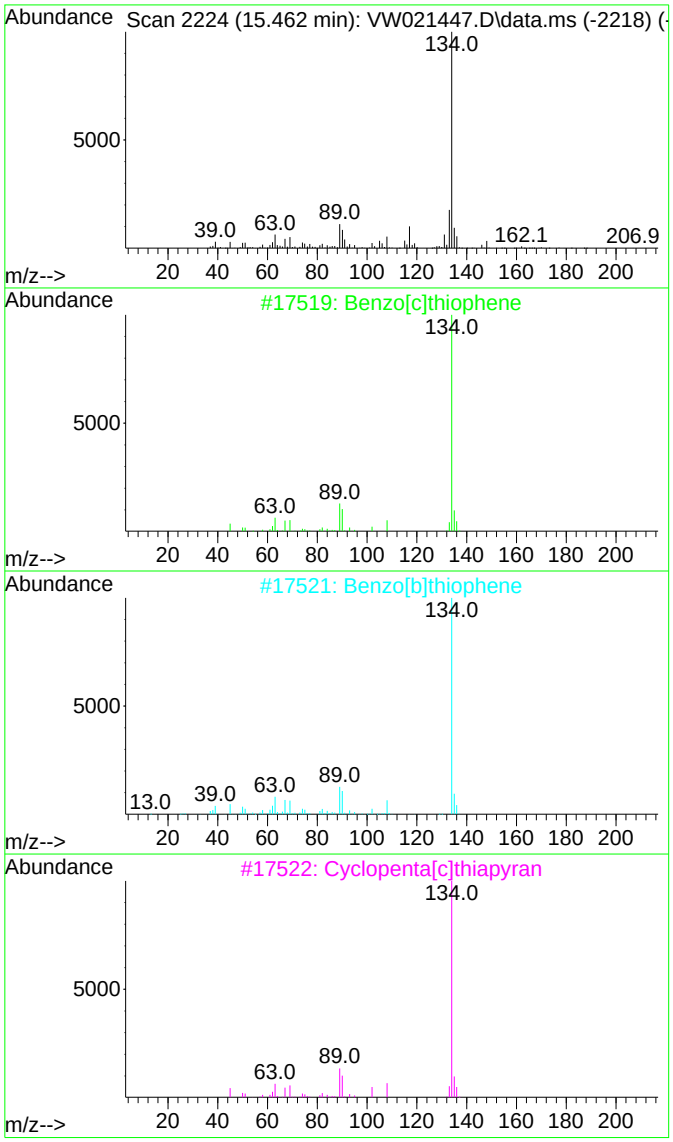
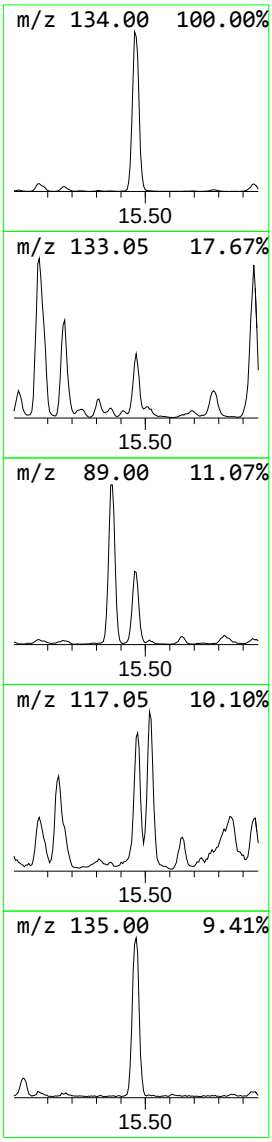
Peak Number 28 Benzo[c]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.462	34.84 ug/L	706797	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	93
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	93
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	87
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	81
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	81





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Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

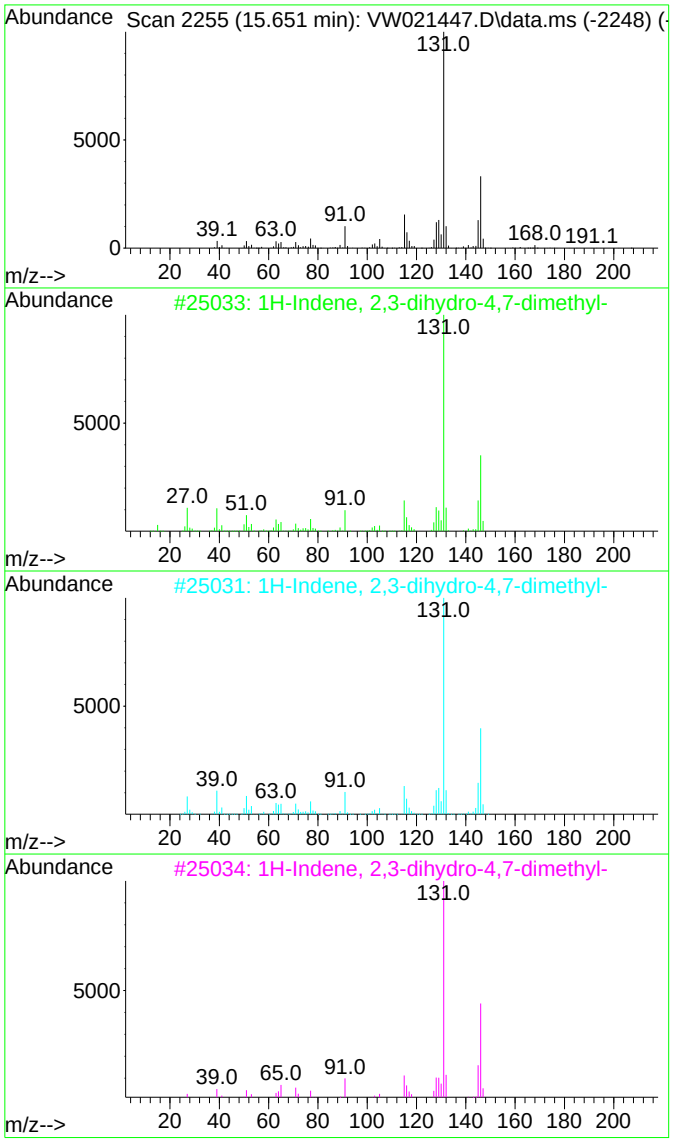
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

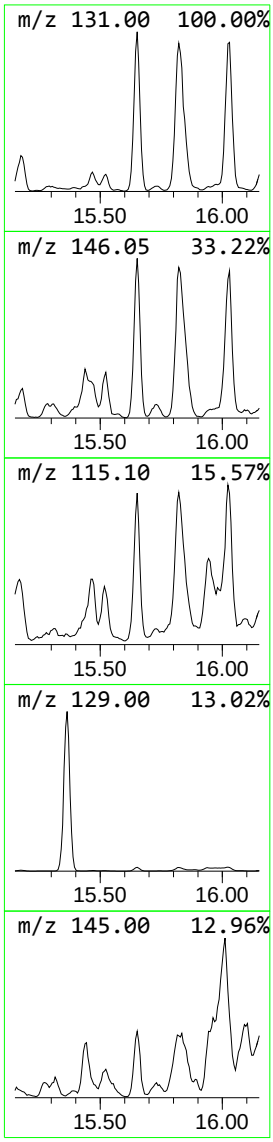
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	29.17 ug/L	591680	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	97
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	94
5	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

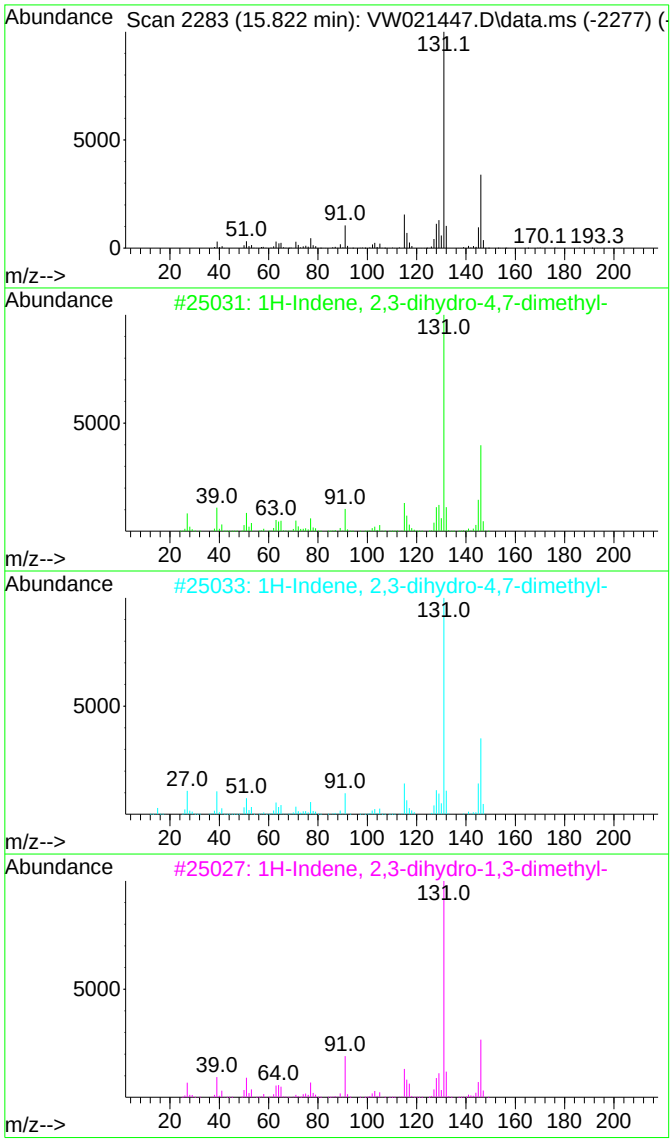
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

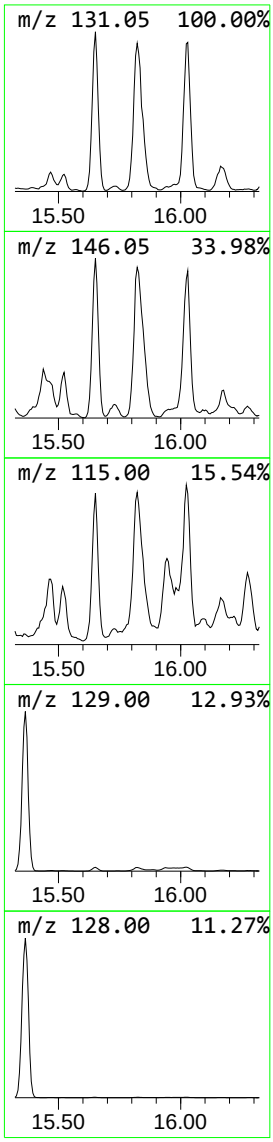
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.822	34.09 ug/L	691556	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

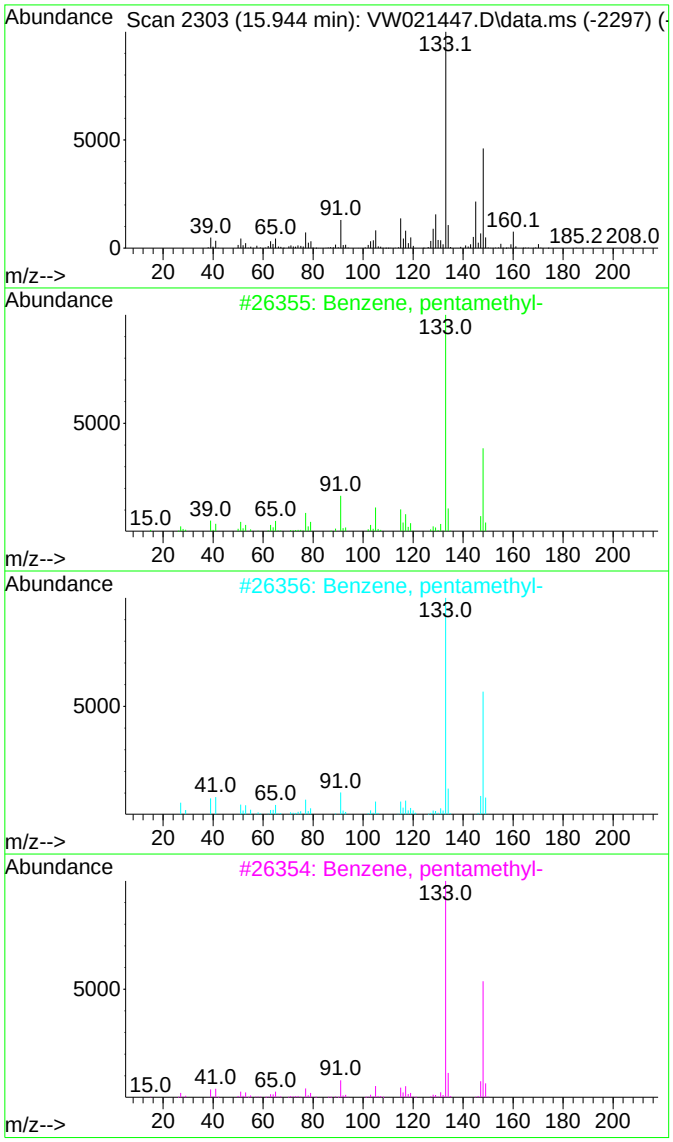
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

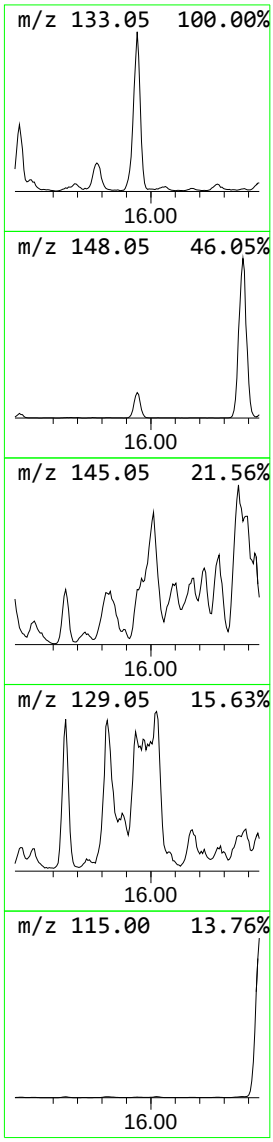
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Benzene, pentamethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.944	26.34 ug/L	534291	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	89
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
4	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	68
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

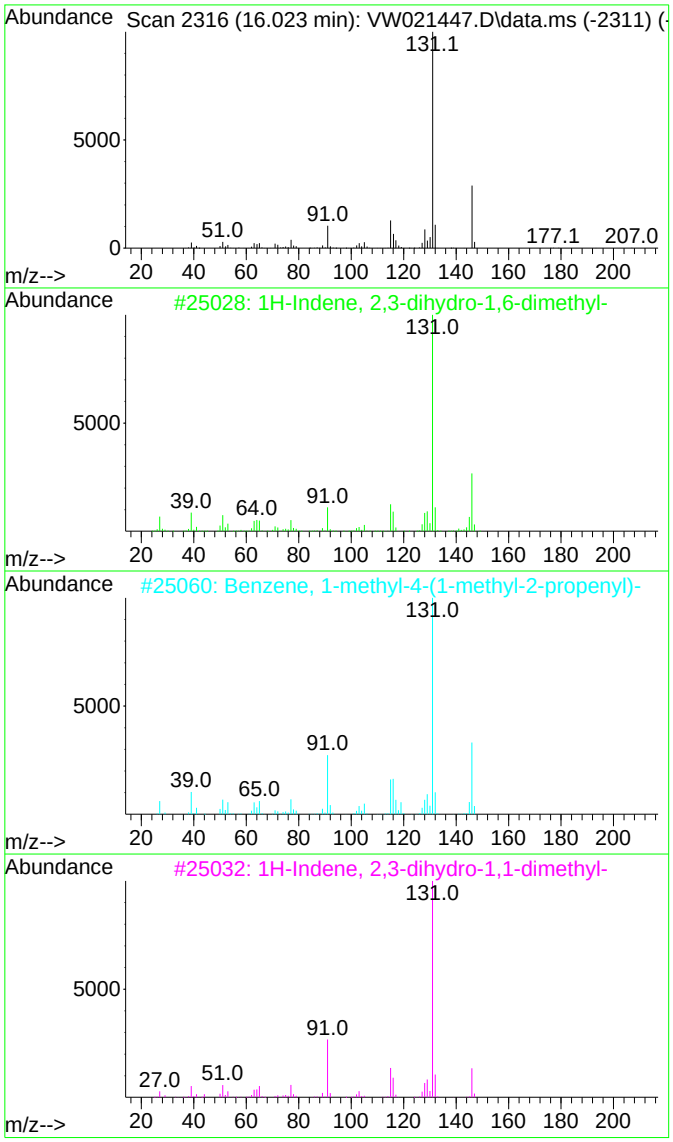
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

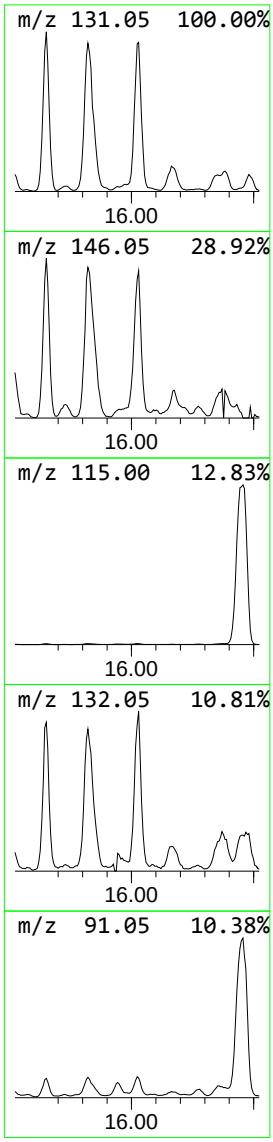
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.023	29.02 ug/L	588745	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
2	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	83
3	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	80
4	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	78
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

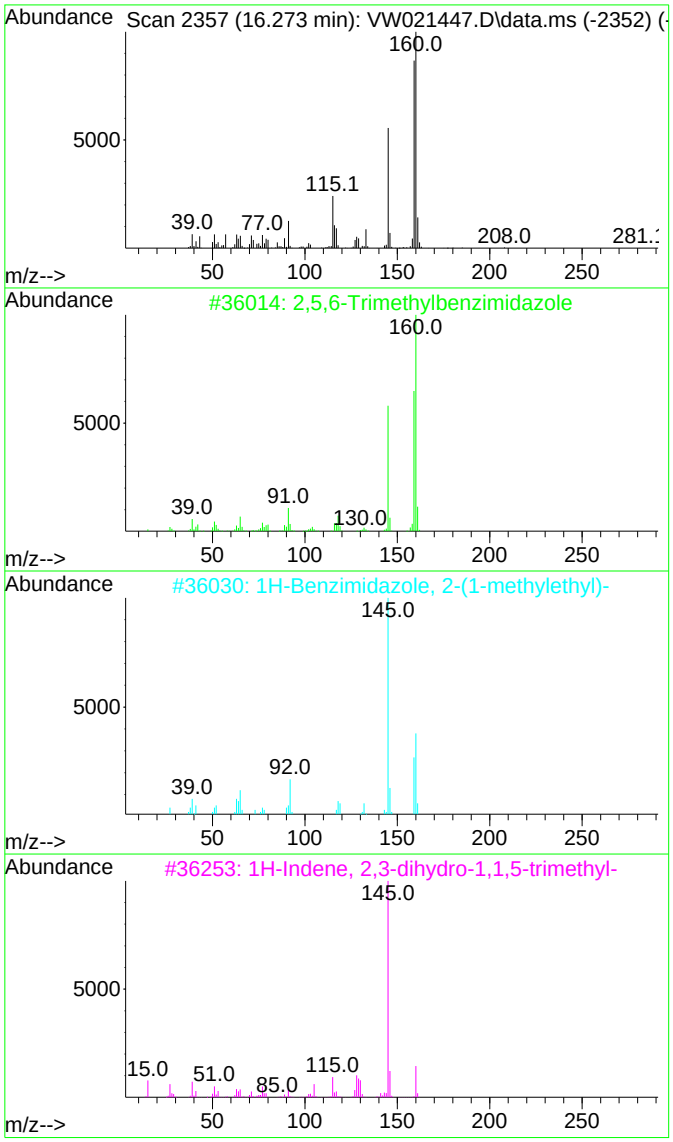
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

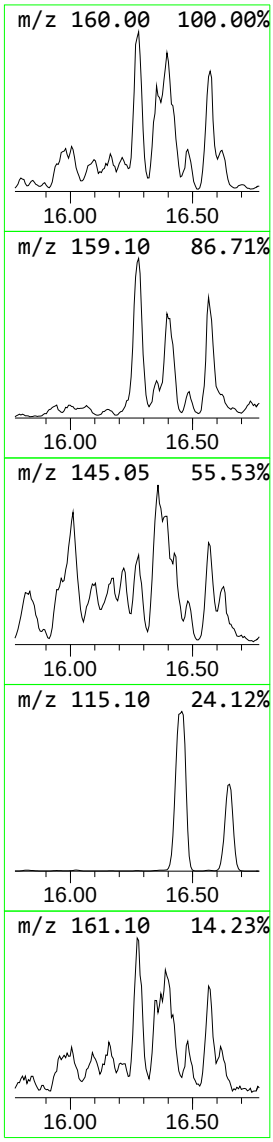
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 2,5,6-Trimethylbenzimidazole Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.273	14.31 ug/L	290253	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5,6-Trimethylbenzimidazole	160	C10H12N2	003363-56-2	83
2	1H-Benzimidazole, 2-(1-methyleth...	160	C10H12N2	005851-43-4	52
3	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	52
4	1H-Benzimidazole, 2-(1-methyleth...	160	C10H12N2	005851-43-4	50
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

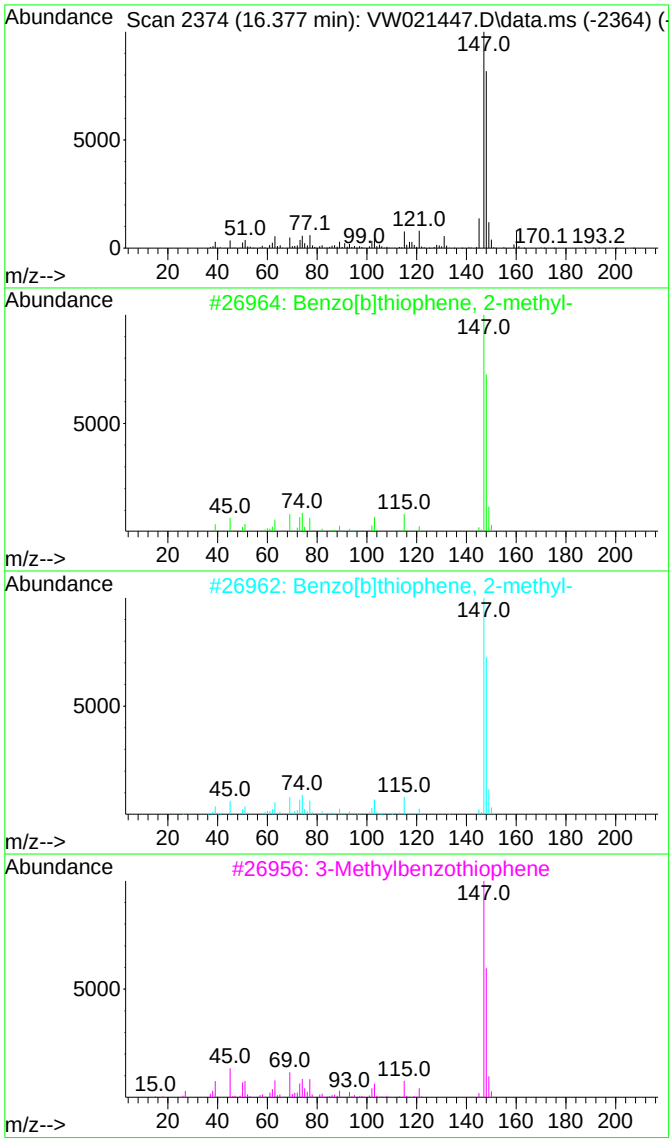
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

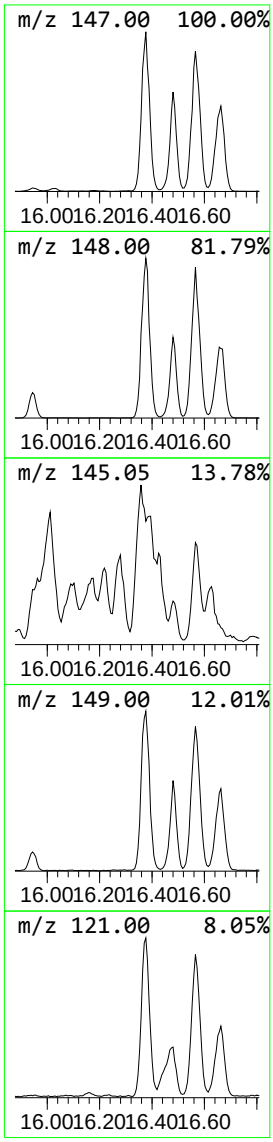
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Benzo[b]thiophene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.377	89.12 ug/L	1807820	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
3	3-Methylbenzothiophene	148	C9H8S	001455-18-1	90
4	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	87
5	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021447.D
Acq On : 18 Dec 2021 02:04
Operator : SY/VA
Sample : M5153-08
Misc : 6.41g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL73

Quant 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...	9.067	1.4	ug/L	18950	1	8.841	330437	25.0
2- Bromopropion...	11.506	3.0	ug/L	47311	2	11.634	397921	25.0
(DEL) Alkane: C...	12.133	9.1	ug/L	144937	2	11.634	397921	25.0
(DEL) Alkane: S...	12.249	3.0	ug/L	47825	2	11.634	397921	25.0
1H-Indene, octa...	12.335	5.9	ug/L	94320	2	11.634	397921	25.0
Benzene, propyl-	12.798	6.4	ug/L	129793	3	13.554	507134	25.0
(DEL) Alkane: S...	12.859	2.3	ug/L	45741	3	13.554	507134	25.0
Benzene, 1-ethy...	13.103	6.8	ug/L	138126	3	13.554	507134	25.0
(DEL) Alkane: S...	13.164	5.0	ug/L	100593	3	13.554	507134	25.0
Benzene, 1,3-di...	13.712	3.1	ug/L	63608	3	13.554	507134	25.0
Benzeneethanol,...	13.749	3.4	ug/L	69050	3	13.554	507134	25.0
Benzene, 1-meth...	13.944	3.4	ug/L	69762	3	13.554	507134	25.0
Benzene, 2-ethy...	14.005	3.0	ug/L	60820	3	13.554	507134	25.0
Benzene, 4-ethy...	14.090	11.4	ug/L	230681	3	13.554	507134	25.0
Benzene, 2-bute...	14.200	7.3	ug/L	148132	3	13.554	507134	25.0
Adamantane	14.261	4.0	ug/L	81222	3	13.554	507134	25.0
Benzene, 1,2,4,...	14.414	22.1	ug/L	448115	3	13.554	507134	25.0
Benzene, 1-ethy...	14.456	17.4	ug/L	353362	3	13.554	507134	25.0
Benzene, 1,3-di...	14.493	7.8	ug/L	157942	3	13.554	507134	25.0
unknown-01	14.639	3.8	ug/L	77770	3	13.554	507134	25.0
Benzene, 2-ethe...	14.682	15.8	ug/L	319602	3	13.554	507134	25.0
p-Cymene	14.791	47.7	ug/L	966828	3	13.554	507134	25.0
Benzene, 1-meth...	14.852	7.4	ug/L	150011	3	13.554	507134	25.0
Naphthalene, 1,...	14.956	6.2	ug/L	125706	3	13.554	507134	25.0
6-Methyl-4-indanol	15.060	30.0	ug/L	607712	3	13.554	507134	25.0
Azulene	15.365	858.2	ug/L	17409500	3	13.554	507134	25.0
Benzo[c]thiophene	15.462	34.8	ug/L	706797	3	13.554	507134	25.0
1H-Indene, 2,3-...	15.651	29.2	ug/L	591680	3	13.554	507134	25.0
1H-Indene, 2,3-...	15.822	34.1	ug/L	691556	3	13.554	507134	25.0
Benzene, pentam...	15.944	26.3	ug/L	534291	3	13.554	507134	25.0
1H-Indene, 2,3-...	16.023	29.0	ug/L	588745	3	13.554	507134	25.0
2,5,6-Trimethyl...	16.273	14.3	ug/L	290253	3	13.554	507134	25.0
Benzo[b]thiophe...	16.377	89.1	ug/L	1807820	3	13.554	507134	25.0