LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9G4

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\SFAMWLM120321SMA.M
Title : SFAM01.0

Signal : TIC: VW021096.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.355	68	74	81	rBV	18072	28898	1.05%	0.512%
2	2.885	154	161	172	rBV	11879	23841	0.86%	0.422%
3	3.379	241	242	243	rBV	289	170	0.01%	0.003%
4	3.660	285	288	290	rBV	132	174	0.01%	0.003%
5	3.879	322	324	327	rVB	140	138	0.00%	0.002%
6	4.019	337	347	359	rVB2	21565	55785	2.02%	0.988%
7	4.129	359	365	366	rBV2	483	850	0.03%	0.015%
8	4.263	385	387	390	rVV	167	177	0.01%	0.003%
9	4.379	403	406	408	rBV2	375	504	0.02%	0.009%
10	4.745	463	466	469	rBB	144	160	0.01%	0.003%
11	4.788	469	473	475	rBV	152	223	0.01%	0.004%
12	4.922	483	495	503	rBV4	2340	7151	0.26%	0.127%
13	5.068	517	519	522	rBV	102	141	0.01%	0.002%
14	5.153	530	533	534	rBV	137	179	0.01%	0.003%
15	5.489	587	588	592	rBV	128	158	0.01%	0.003%
16	5.665	614	617	619	rVB	160	165	0.01%	0.003%
17	5.885	650	653	657	rBV	114	183	0.01%	0.003%
18	5.946	657	663	668	rVV2	269	596	0.02%	0.011%
19	6.196	701	704	709	rVB	127	222	0.01%	0.004%
20	6.306	720	722	725	rBB	142	149	0.01%	0.003%
21	6.379	731	734	735	rBB	147	124	0.00%	0.002%
22	7.086	841	850	854	rBV	3668	9975	0.36%	0.177%
23	7.257	876	878	880	rVB	194	198	0.01%	0.004%
24	7.500	915	918	920	rBB	139	127	0.00%	0.002%
25	7.653	932	943	954	rBB	32523	75615	2.74%	1.339%
26	7.927	986	988	990	rBB	226	206	0.01%	0.004%
27	8.055	1006	1009	1011	rBV	132	136	0.00%	0.002%
28	8.281	1034	1046	1060	rBV2	53656	175198	6.34%	3.103%
29	8.695	1112	1114	1117	rVB	232	232	0.01%	0.004%
30	8.842	1131	1138	1150	rBB	38902	76555	2.77%	1.356%
31	9.092	1171	1179	1189	rVB	121724	239575	8.67%	4.244%
32	9.275	1201	1209	1217	rBV	39692	82139	2.97%	1.455%
33	9.476	1241	1242	1246	rBV	94	124	0.00%	0.002%
34	9.793	1293	1294	1299	rBV	79	142	0.01%	0.003%
35	9.970	1319	1323	1325	rBV	134	220	0.01%	0.004%
36	10.037	1327	1334	1341	rBV	18516	32563	1.18%	0.577%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9G4

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\SFAMWLM120321SMA.M
Title : SFAM01.0

37	10.207	1359	1362	1366	rBB	145	198	0.01%	0.004%
38	10.323	1373	1381	1387	rBV	78463	137702	4.98%	2.439%
39	10.390	1387	1392	1402	rVB	7436	13271	0.48%	0.235%
40	10.500	1405	1410	1414	rBB	656	759	0.03%	0.013%
41	10.579	1417	1423	1430	rBB	9788	16305	0.59%	0.289%
42	10.665	1433	1437	1438	rBV	233	315	0.01%	0.006%
43	10.707	1438	1444	1450	rVB2	3336	6030	0.22%	0.107%
44	10.866	1462	1470	1475	rBV	6755	11894	0.43%	0.211%
45	10.927	1475	1480	1490	rVV	14355	23774	0.86%	0.421%
46	11.061	1494	1502	1510	rBB	2179	3639	0.13%	0.064%
47	11.177	1516	1521	1525	rBV3	534	823	0.03%	0.015%
48	11.231	1525	1530	1533	rVB3	412	545	0.02%	0.010%
49	11.439	1557	1564	1569	rVB2	3850	5990	0.22%	0.106%
50	11.506	1572	1575	1576	rBV	310	246	0.01%	0.004%
51	11.628	1588	1595	1602	rBV	56631	95152	3.44%	1.685%
52	11.731	1607	1612	1616	rVB2	886	1312	0.05%	0.023%
53	11.835	1620	1629	1636	rBV	11700	21750	0.79%	0.385%
54	11.945	1644	1647	1649	rBV	108	125	0.00%	0.002%
55	12.164	1678	1683	1690	rVB2	8938	15650	0.57%	0.277%
56	12.390	1715	1720	1722	rBB	193	272	0.01%	0.005%
57	12.432	1724	1727	1728	rBV	143	138	0.00%	0.002%
58	12.463	1728	1732	1736	rVB	207	394	0.01%	0.007%
59	12.609	1750	1756	1763	rBB2	15799	24830	0.90%	0.440%
60	12.689	1763	1769	1776	rBB	24650	40917	1.48%	0.725%
61	12.865	1793	1798	1800	rBV	4156	5850	0.21%	0.104%
62	12.939	1806	1810	1816	rVB	21505	34478	1.25%	0.611%
63	13.103	1832	1837	1842	rBB4	2311	3598	0.13%	0.064%
64	13.188	1848	1851	1855	rVB2	143	192	0.01%	0.003%
65	13.249	1855	1861	1866	rBV	42577	65717	2.38%	1.164%
66	13.292	1866	1868	1874	rVB3	5081	7077	0.26%	0.125%
67	13.353	1874	1878	1880	rBV2	414	592	0.02%	0.010%
68	13.408	1883	1887	1889	rVB2	324	448	0.02%	0.008%
69	13.438	1889	1892	1893	rBV2	795	932	0.03%	0.017%
70	13.475	1894	1898	1905	rVB3	3160	5698	0.21%	0.101%
71	13.554	1905	1911	1922	rBV2	54155	112579	4.07%	1.994%
72	13.755	1934	1944	1946	rBV2	6797	12348	0.45%	0.219%
73	13.853	1954	1960	1967	rVB	54930	90437	3.27%	1.602%
74	13.938	1968	1974	1981	rVB	16403	26961	0.98%	0.478%
75	14.005	1981	1985	1988	rBV2	3459	6007	0.22%	0.106%
76	14.152	2006	2009	2012	rBV2	643	894	0.03%	0.016%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9G4

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\SFAMWLM120321SMA.M
Title : SFAM01.0

77	14.200	2012	2017	2020	rBV5	3130	4882	0.18%	0.086%
78	14.328	2035	2038	2043	rBV2	1522	2210	0.08%	0.039%
79	14.414	2043	2052	2055	rBV3	18315	42276	1.53%	0.749%
80	14.450	2055	2058	2061	rBV	10839	14698	0.53%	0.260%
81	14.639	2085	2089	2092	rVB4	748	988	0.04%	0.018%
82	14.688	2092	2097	2100	rBV	5627	8955	0.32%	0.159%
83	14.792	2107	2114	2121	rBV2	15687	34347	1.24%	0.608%
84	14.865	2121	2126	2133	rVB3	6660	11244	0.41%	0.199%
85	14.950	2135	2140	2148	rVB3	10987	18249	0.66%	0.323%
86	15.060	2148	2158	2168	rBV2	6662	16290	0.59%	0.289%
87	15.164	2171	2175	2184	rVB4	2980	6244	0.23%	0.111%
88	15.280	2187	2194	2198	rBV	13915	27894	1.01%	0.494%
89	15.365	2200	2208	2216	rVV	1553876	2763136	100.00%	48.943%
90	15.456	2217	2223	2233	rVB3	22927	56856	2.06%	1.007%
91	15.651	2250	2255	2260	rVB3	2655	4587	0.17%	0.081%
92	15.779	2274	2276	2278	rBV2	489	493	0.02%	0.009%
93	15.828	2278	2284	2292	rVB7	1653	5560	0.20%	0.098%
94	15.956	2298	2305	2310	rBV6	1957	5242	0.19%	0.093%
95	16.090	2322	2327	2331	rBV3	415	645	0.02%	0.011%
96	16.157	2333	2338	2343	rBV3	658	1171	0.04%	0.021%
97	16.334	2363	2367	2368	rBV	1778	1962	0.07%	0.035%
98	16.438	2376	2384	2396	rVB	305329	640780	23.19%	11.350%
99	16.560	2396	2404	2408	rVV4	3955	8405	0.30%	0.149%
100	16.639	2409	2417	2429	rVB	165686	359636	13.02%	6.370%

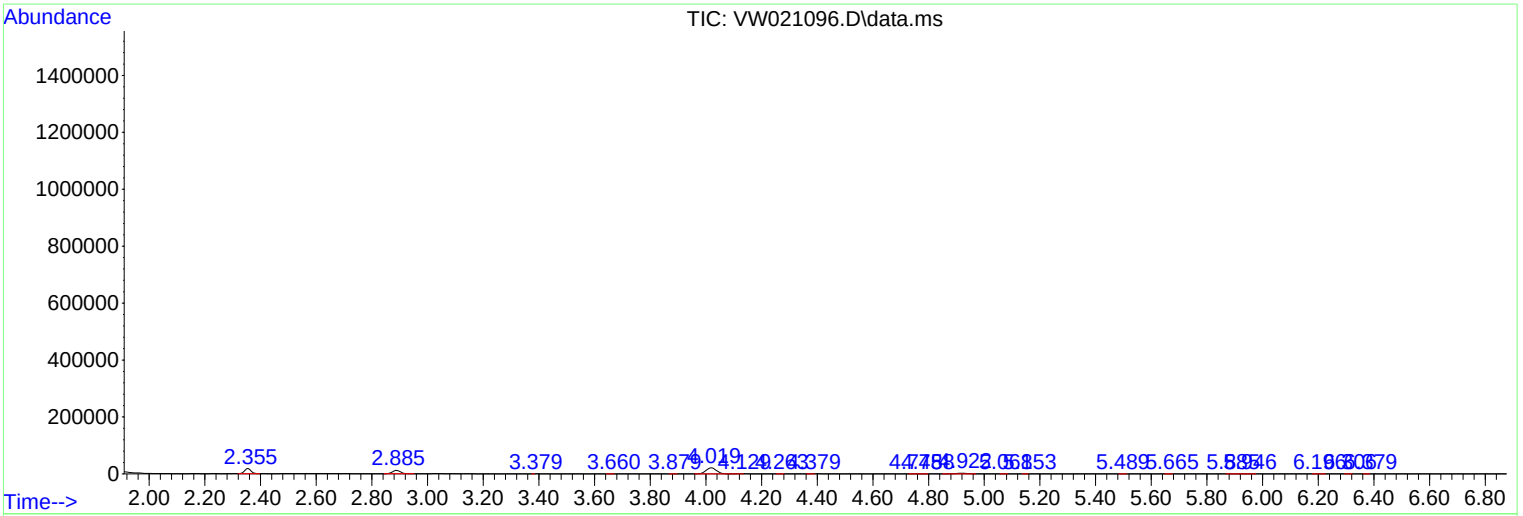
Sum of corrected areas: 5645582

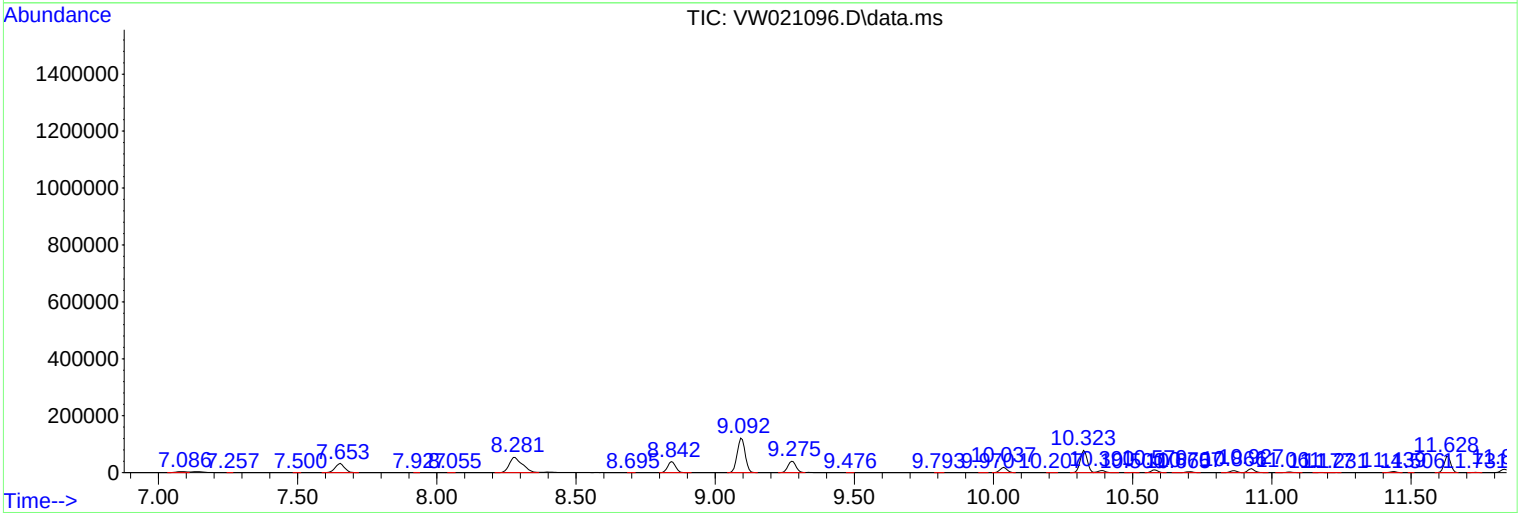
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

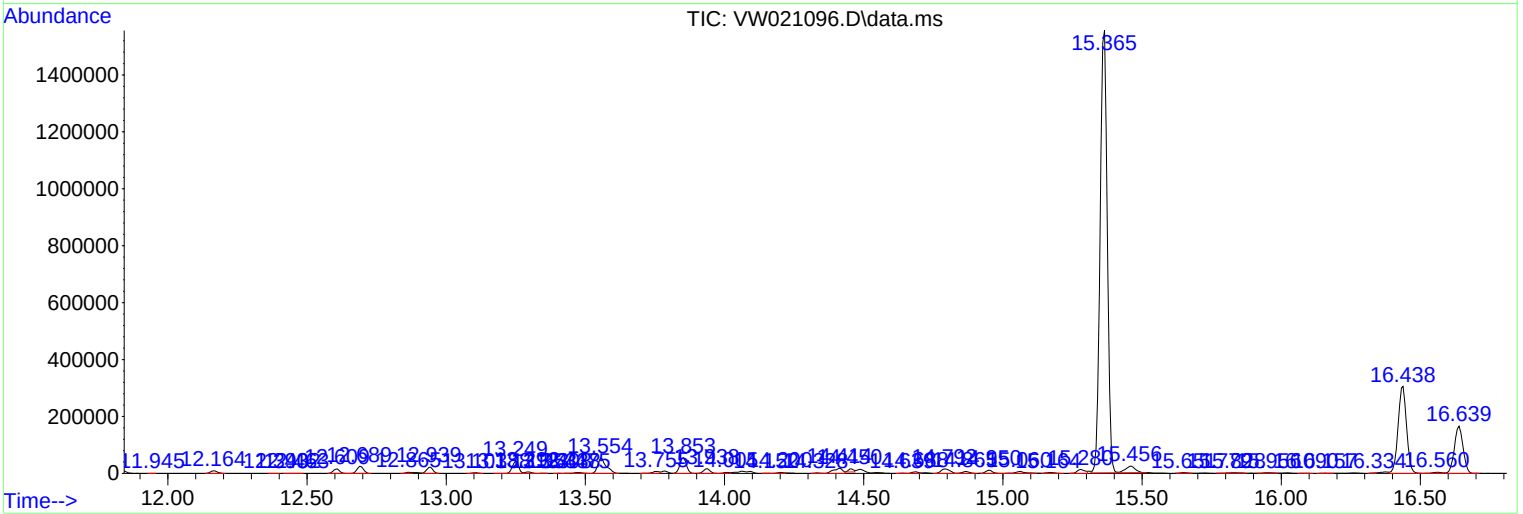
Instrument :
MSVOA_W
ClientSampleId :
EW9G4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9G4

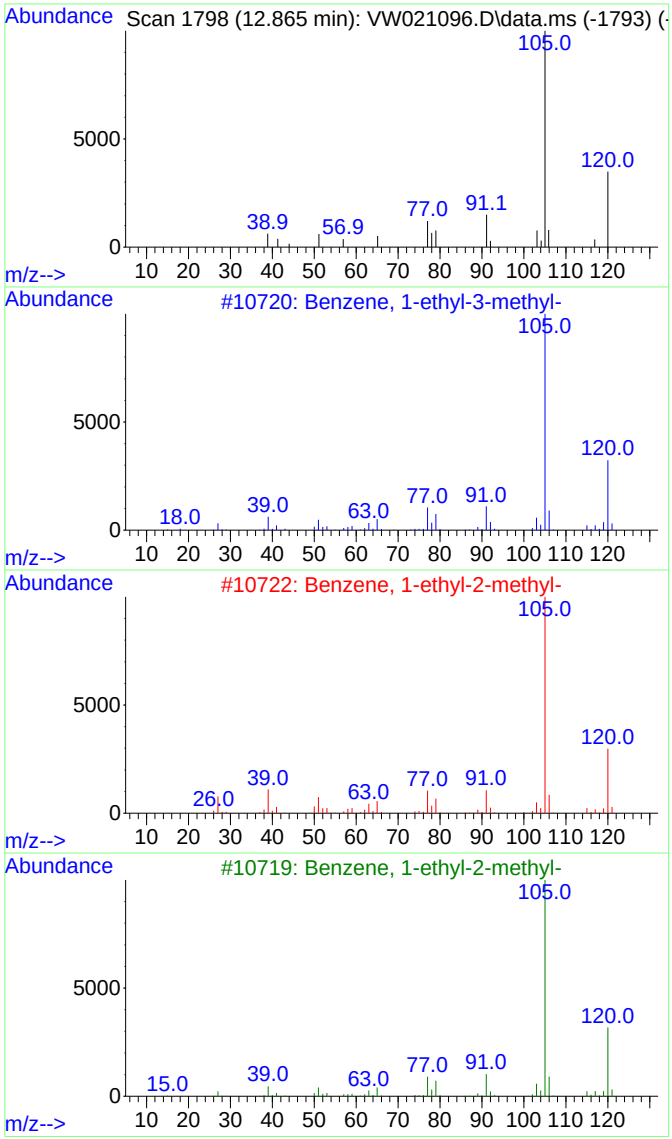
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

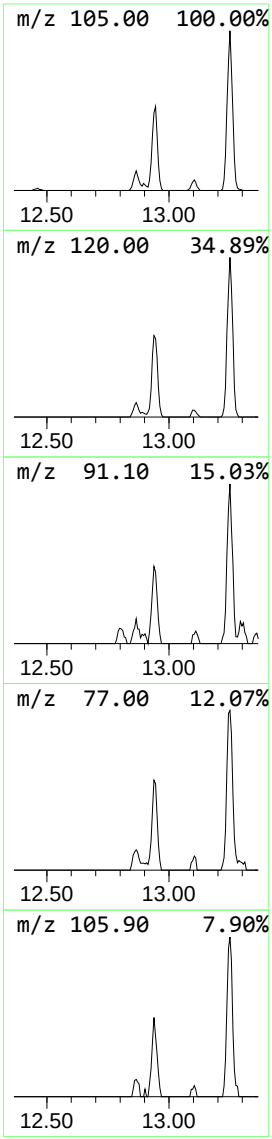
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethyl-3-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	1.30 ug/L	5850	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9G4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

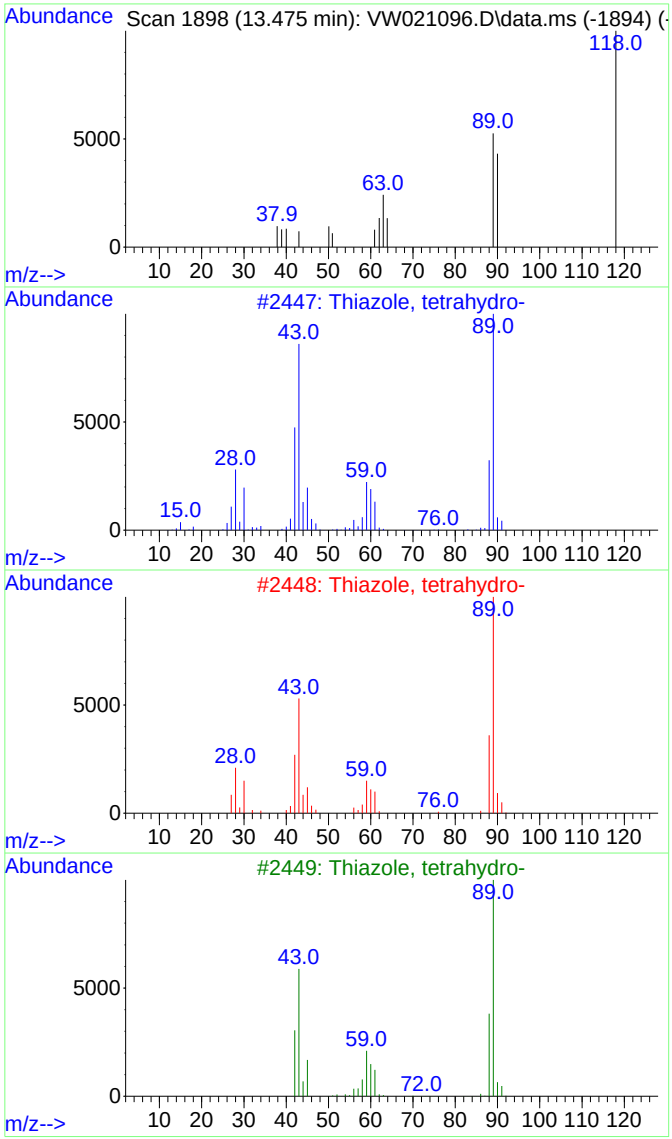
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

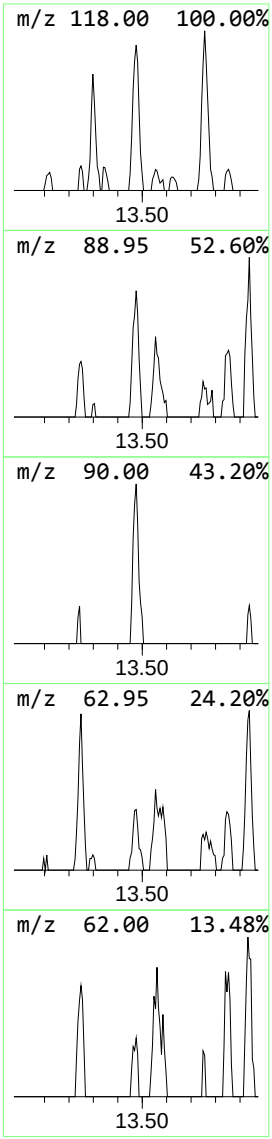
****

Peak Number 7 unknown-01 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.475	1.27 ug/L	5698	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	5
2	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	5
3	Thiazole, tetrahydro-	89	C3H7NS	000504-78-9	5
4	Hydroxyacetic acid, hydrazide	90	C2H6N2O2	003530-14-1	4
5	Thiopropionamide	89	C3H7NS	000631-58-3	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9G4

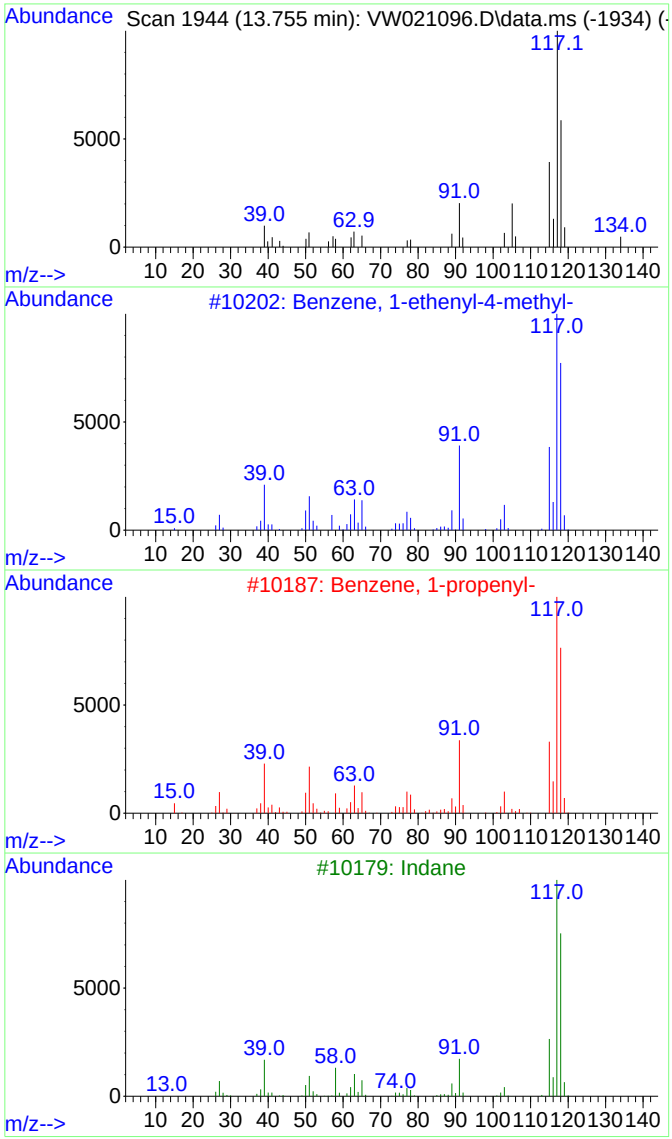
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

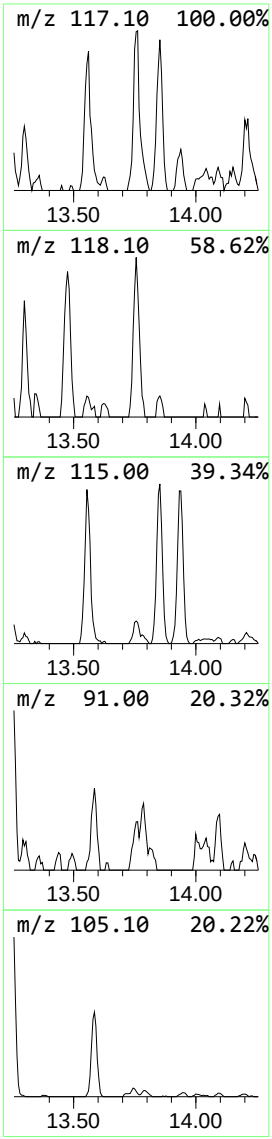
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1-ethenyl-4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.755	2.74 ug/L	12348	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	64
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
3	Indane	118	C9H10	000496-11-7	58
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	52
5	Indane	118	C9H10	000496-11-7	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9G4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

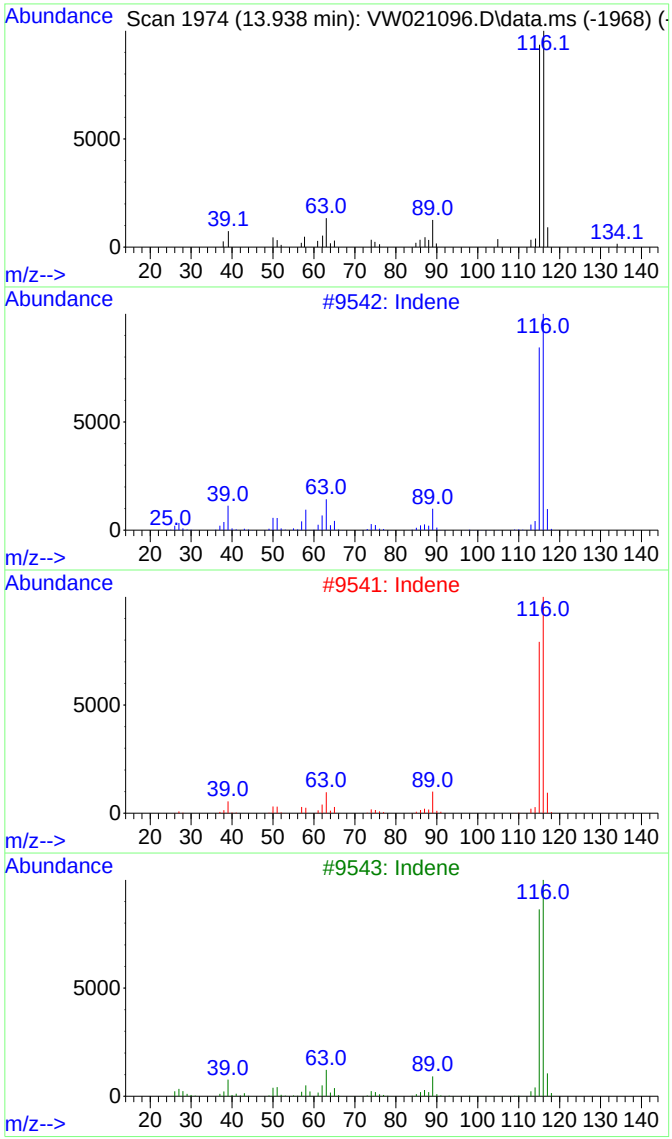
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

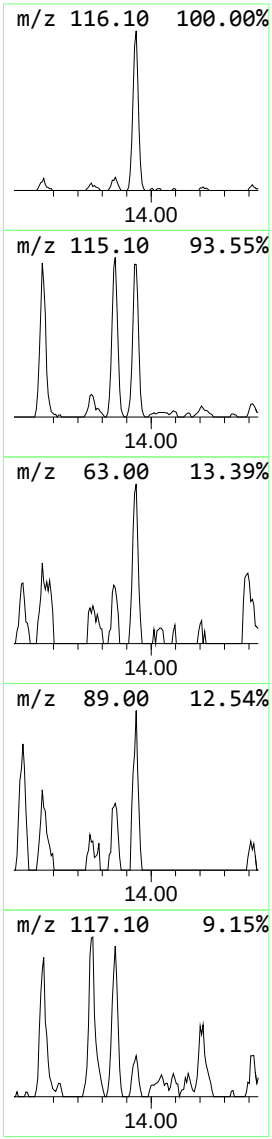
****

Peak Number 9 Indene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.938	5.99 ug/L	26961	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	94
3	Indene	116	C9H8	000095-13-6	94
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9G4

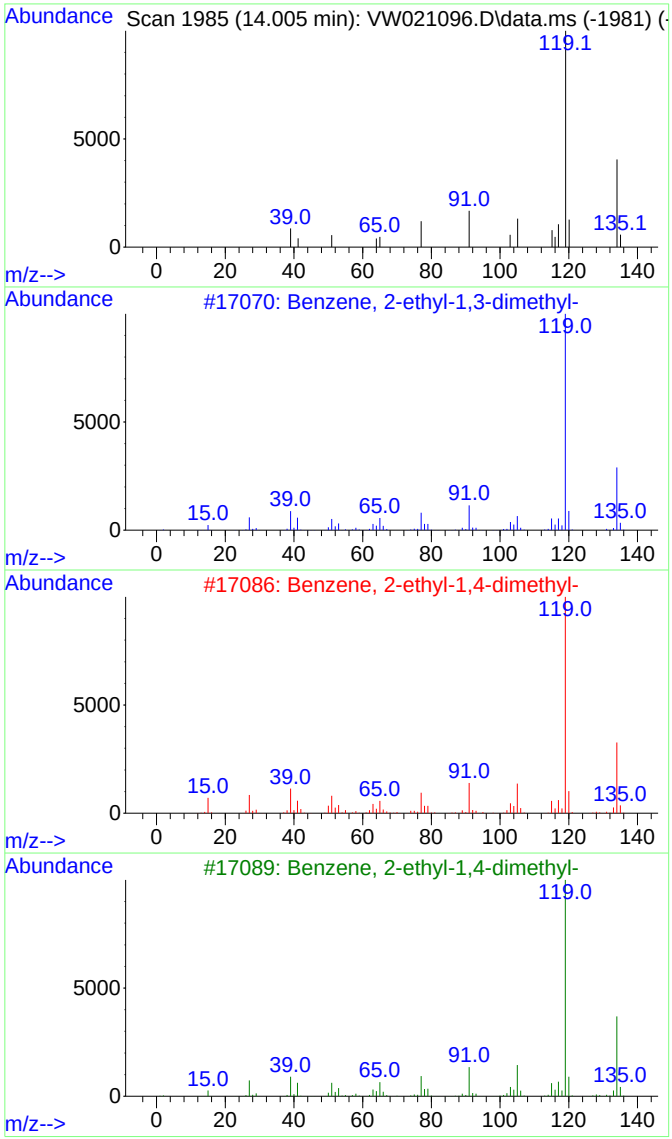
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

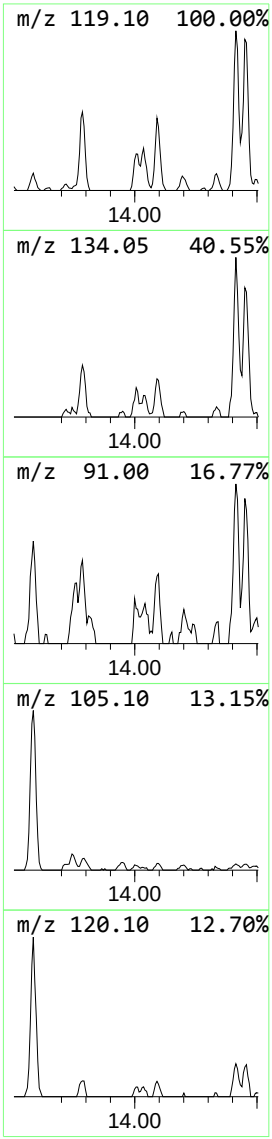
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.005	1.33 ug/L	6007	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9G4

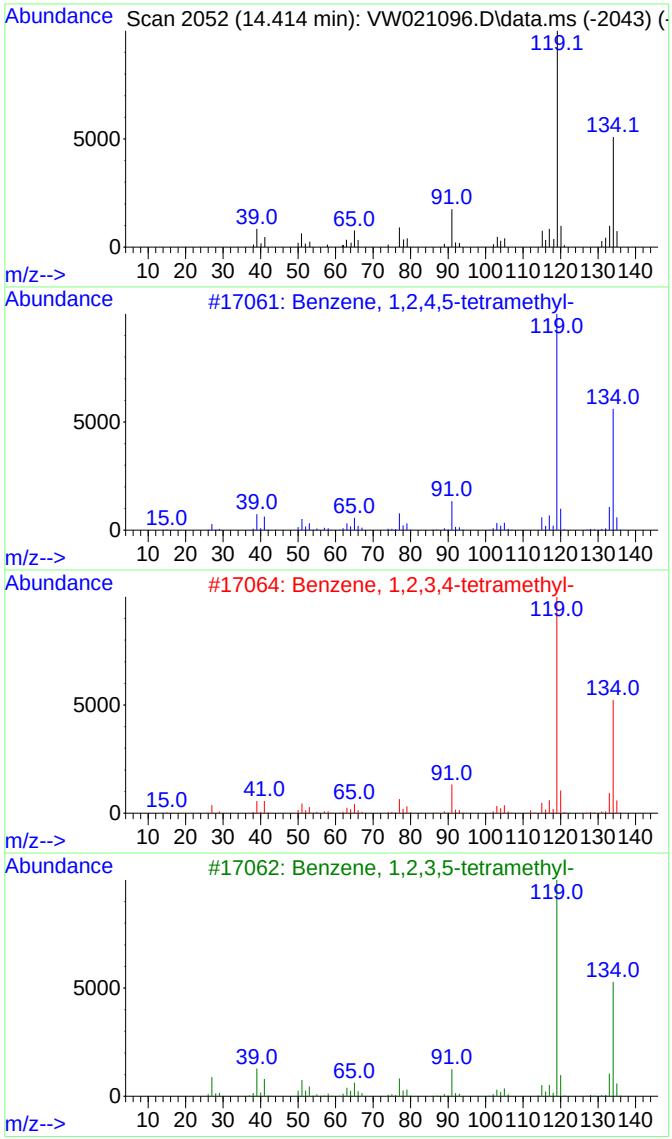
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

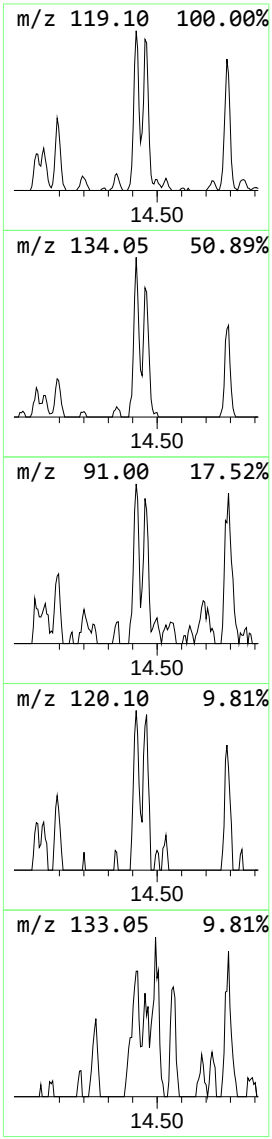
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.414	9.39 ug/L	42276	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	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9G4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

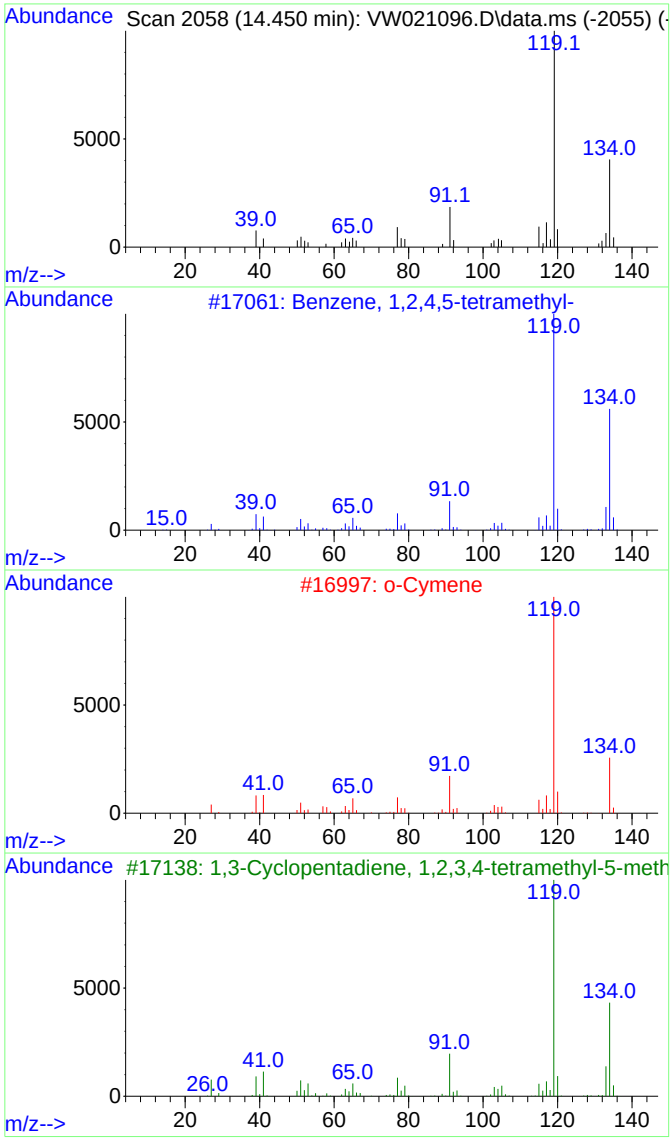
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

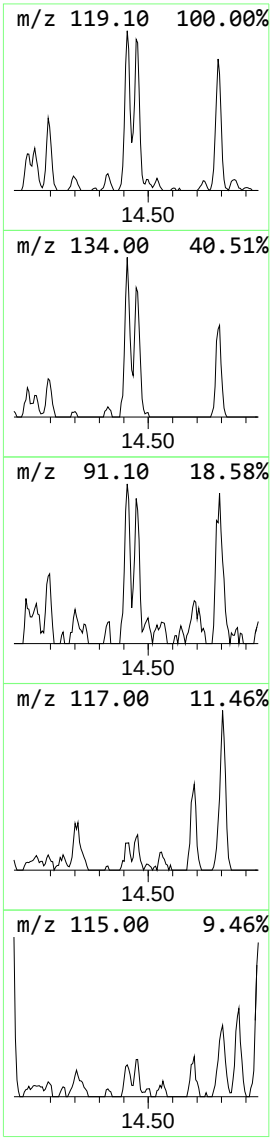
****

Peak Number 12 o-Cymene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.450	3.26 ug/L	14698	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	94
2	o-Cymene	134	C10H14	000527-84-4	91
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9G4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

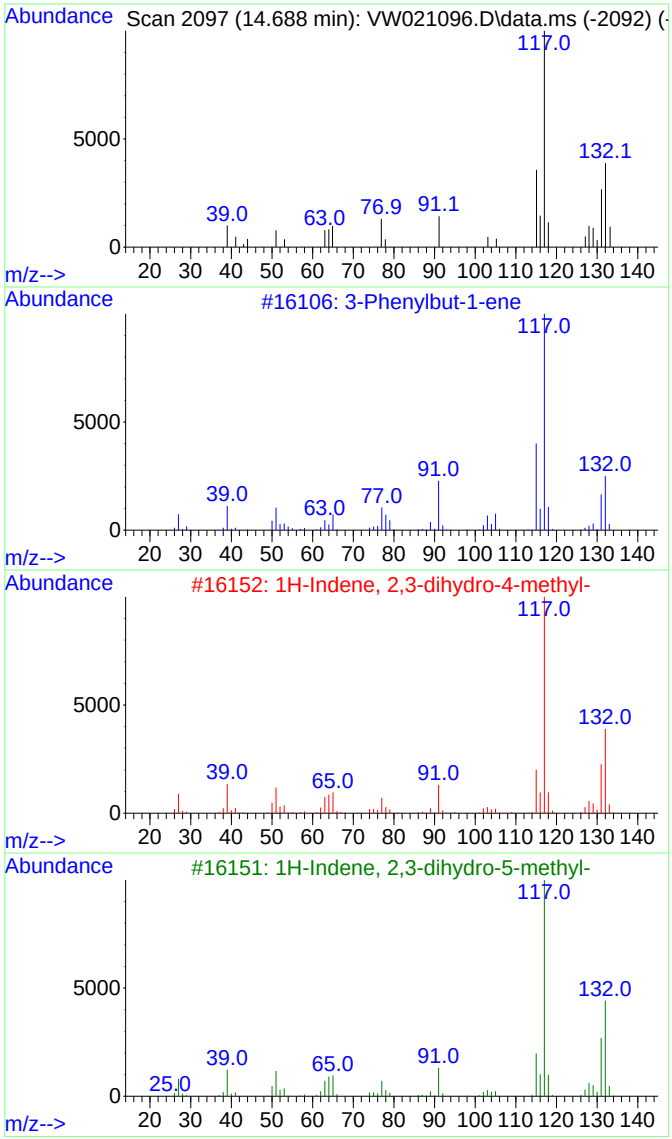
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

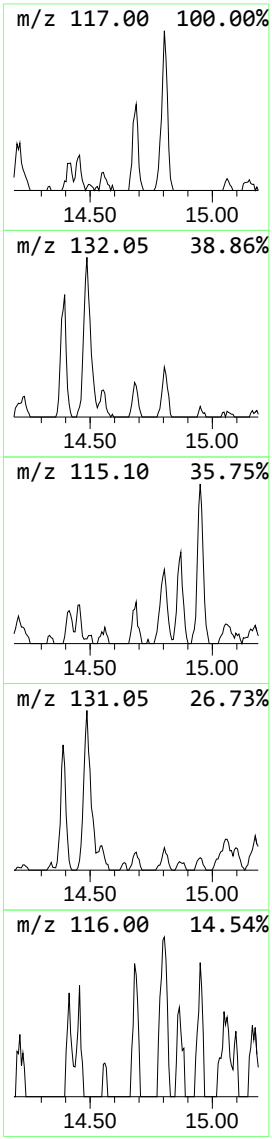
****

Peak Number 13 3-Phenylbut-1-ene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.688	1.99 ug/L	8955	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	81
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9G4

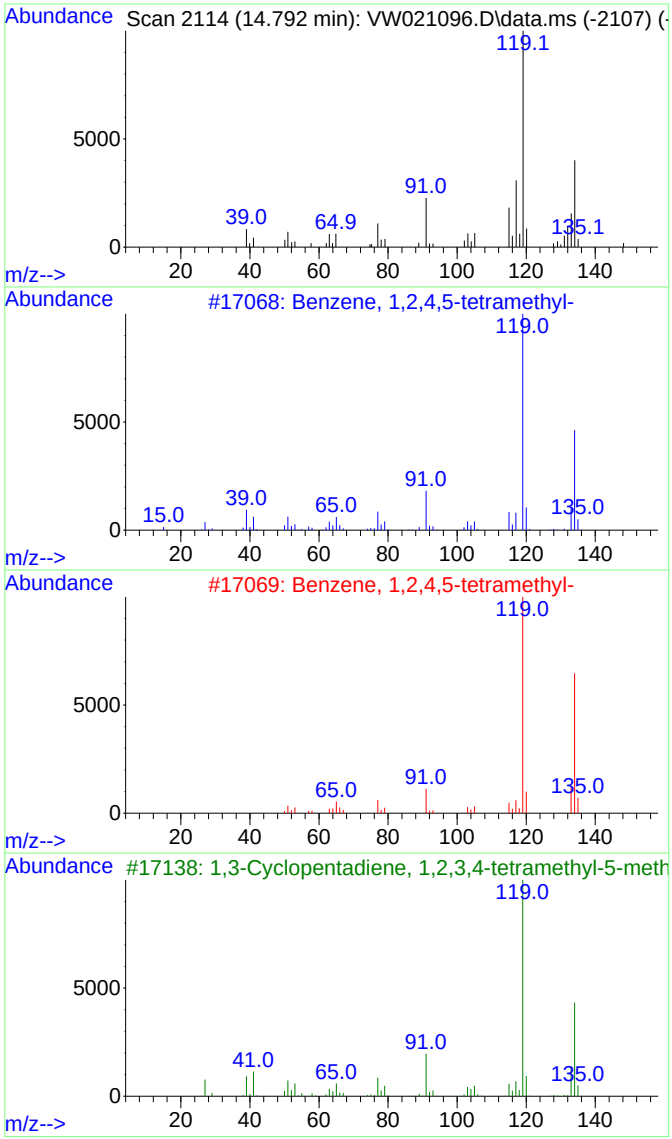
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

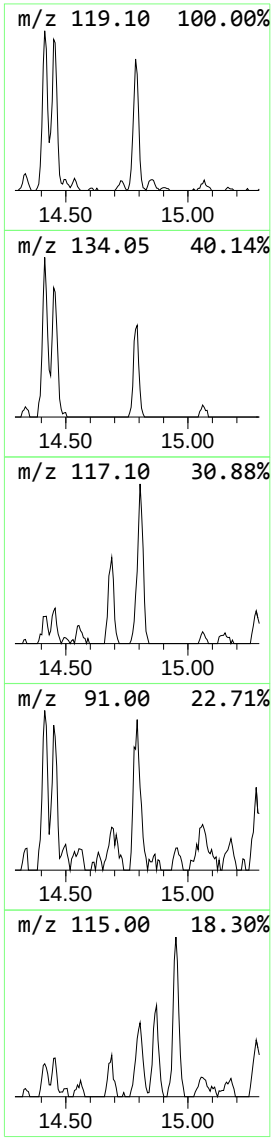
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.792	7.63 ug/L	34347	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	81
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	74
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	74
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	72
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9G4

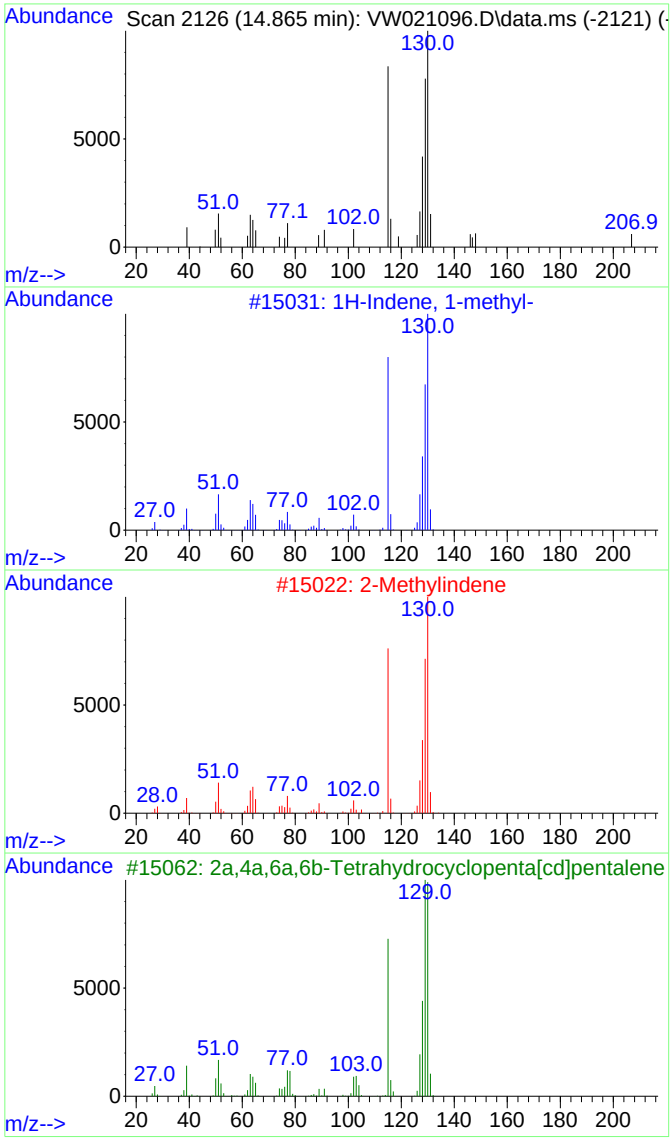
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

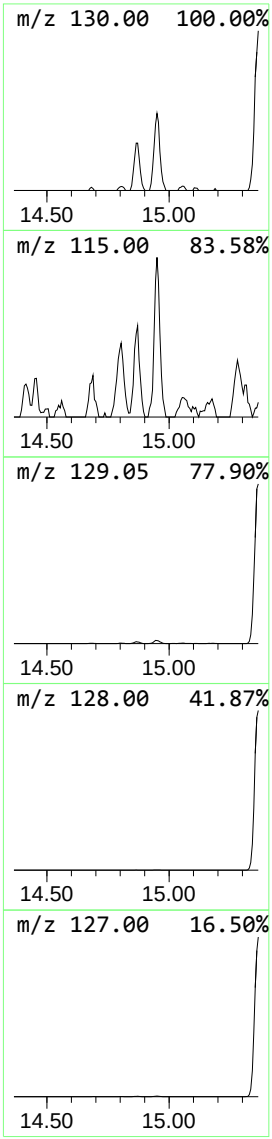
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 1H-Indene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.865	2.50 ug/L	11244	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	2-Methylindene	130	C10H10	002177-47-1	93
3	2a,4a,6a,6b-Tetrahydrocyclopenta...	130	C10H10	006053-74-3	93
4	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	92
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9G4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

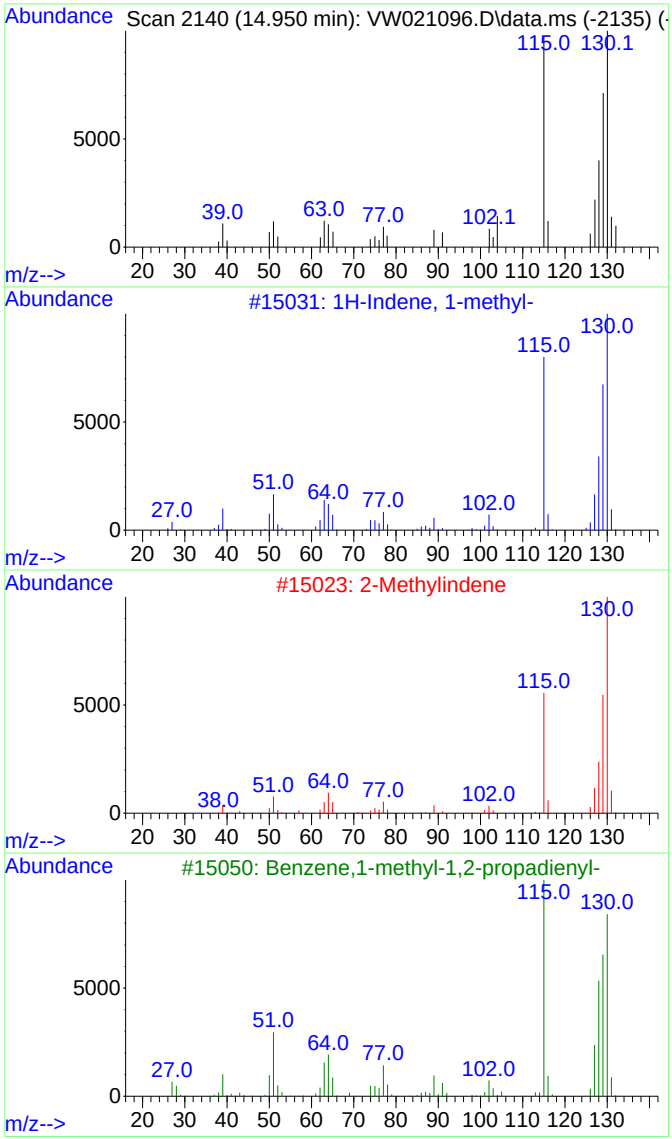
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

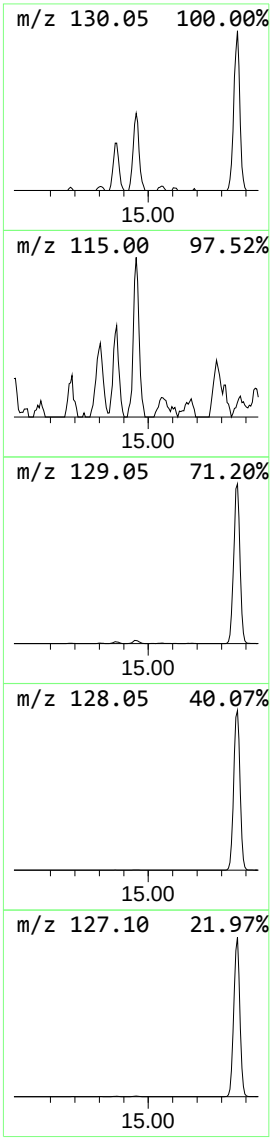
****

Peak Number 16 2-Methylindene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.950	4.05 ug/L	18249	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
2	2-Methylindene	130	C10H10	002177-47-1	93
3	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	93
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9G4

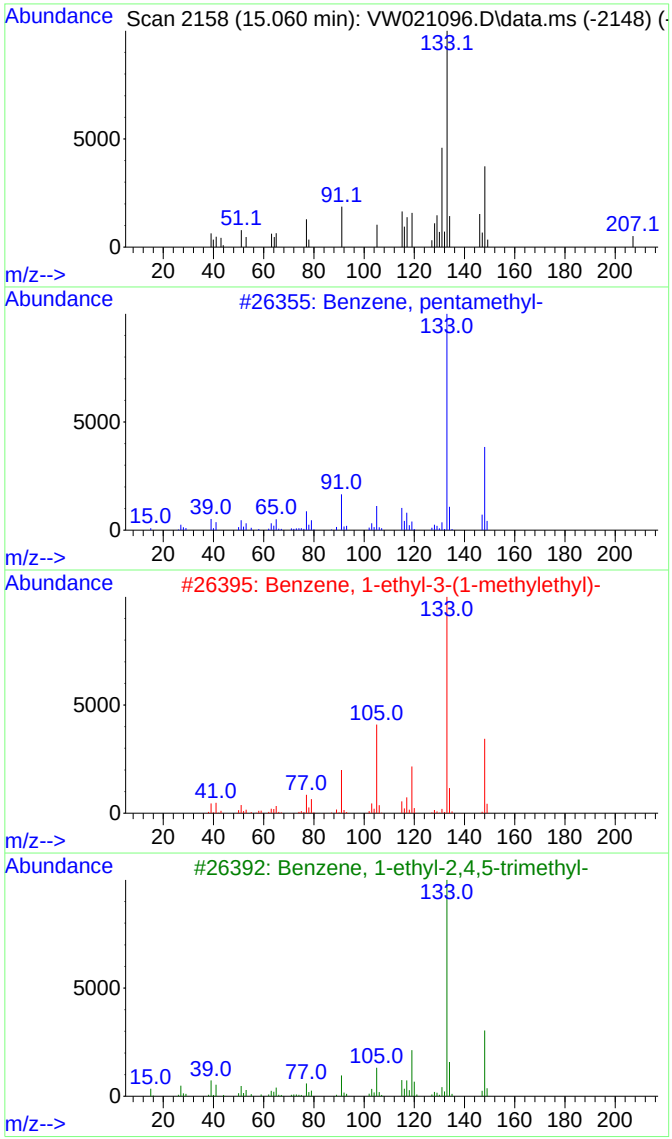
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

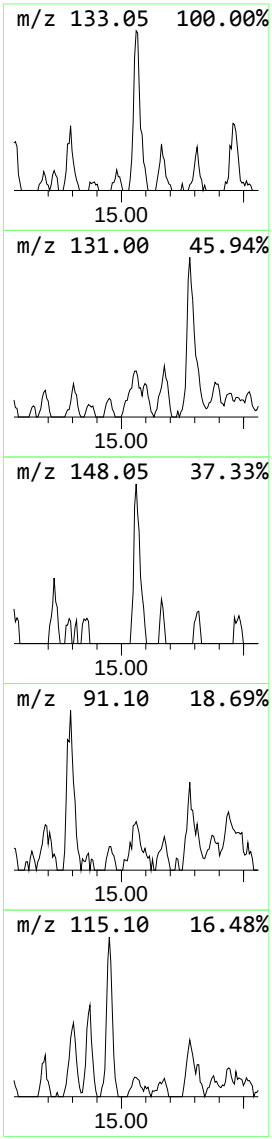
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, pentamethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	3.62 ug/L	16290	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	60
2	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	49
3	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	49
4	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	49
5	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9G4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

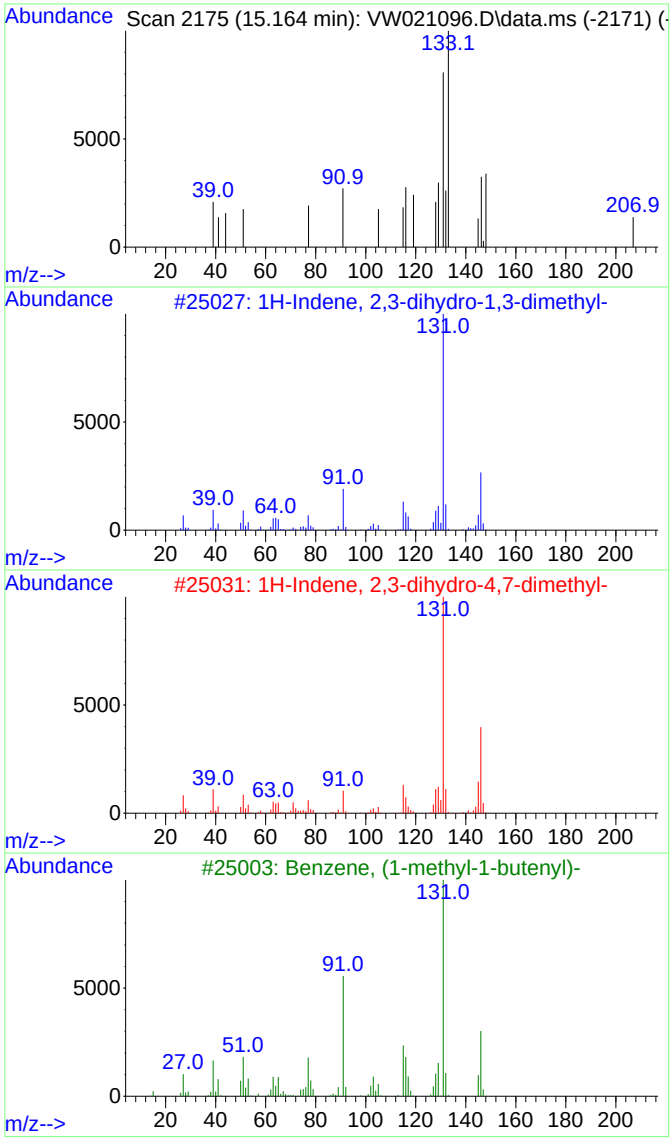
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

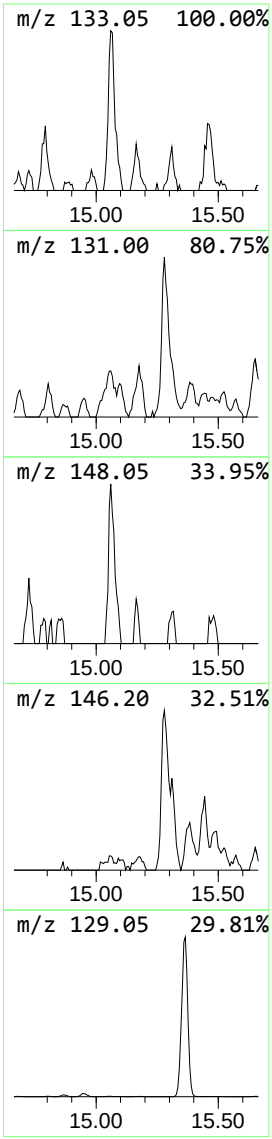
****

Peak Number 18 unknown-02 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.164	1.39 ug/L	6244	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	30
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	27
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	27
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	27
5	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9G4

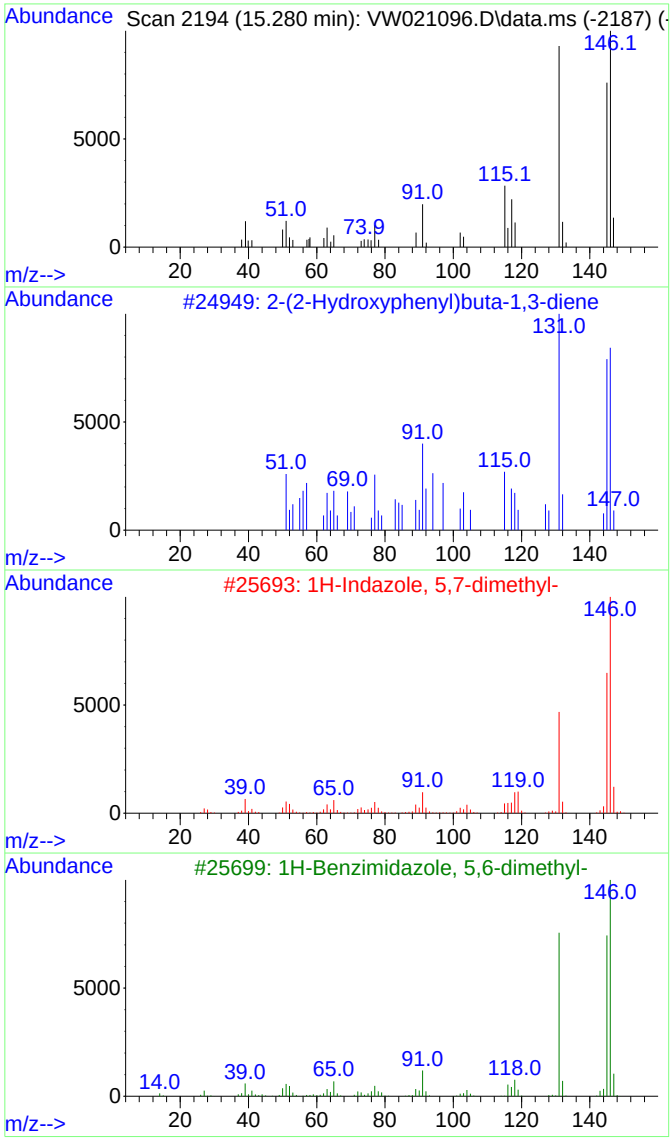
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

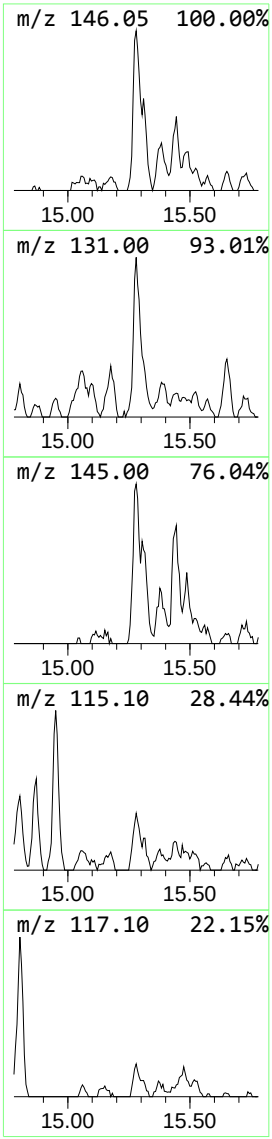
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 2-(2-Hydroxyphenyl)buta-1,3... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.280	6.19 ug/L	27894	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(2-Hydroxyphenyl)buta-1,3-diene	146	C10H10O	038865-47-3	86
2	1H-Indazole, 5,7-dimethyl-	146	C9H10N2	043067-41-0	80
3	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	80
4	1H-Inden-1-one, 2,3-dihydro-3-me...	146	C10H10O	006072-57-7	76
5	1-Naphthalenol, 5,8-dihydro-	146	C10H10O	027673-48-9	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9G4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

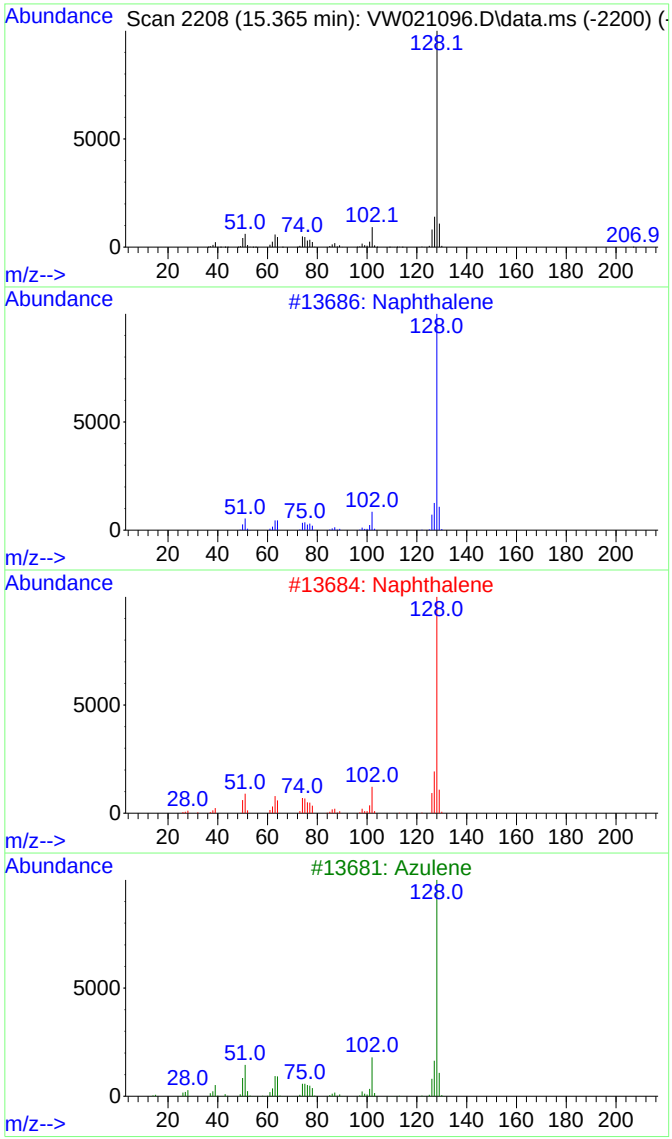
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

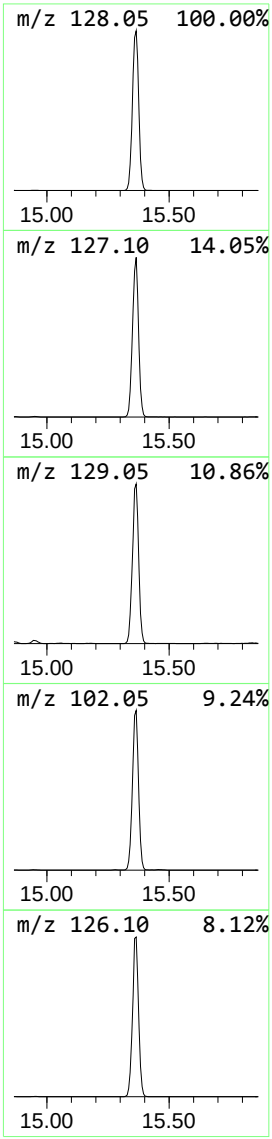
****

Peak Number 20 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.365	613.60 ug/L	2763140	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Naphthalene	128	C10H8	000091-20-3	94
3	Azulene	128	C10H8	000275-51-4	91
4	Azulene	128	C10H8	000275-51-4	91
5	Azulene	128	C10H8	000275-51-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9G4

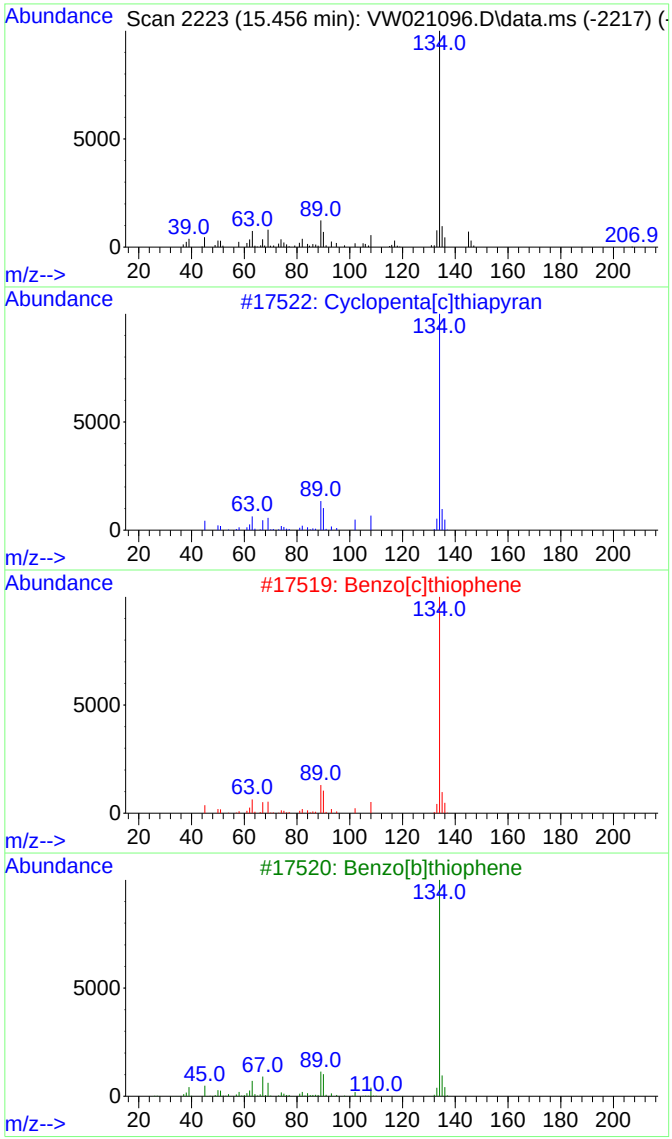
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

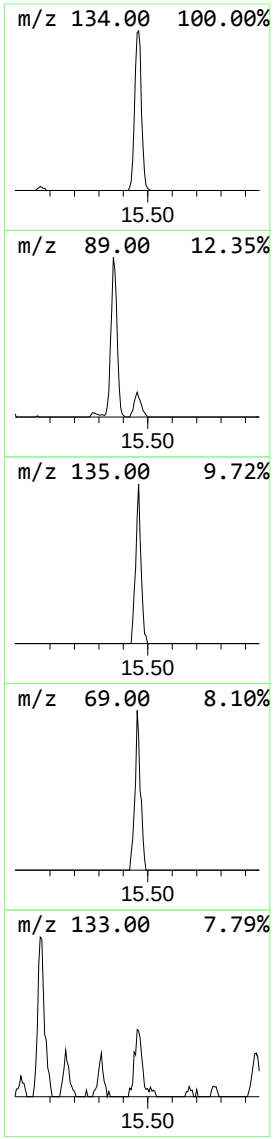
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Cyclopenta[c]thiapyran Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.456	12.63 ug/L	56856	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
2	Benzo[c]thiophene	134	C8H6S	000270-82-6	90
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	90
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	83
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9G4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

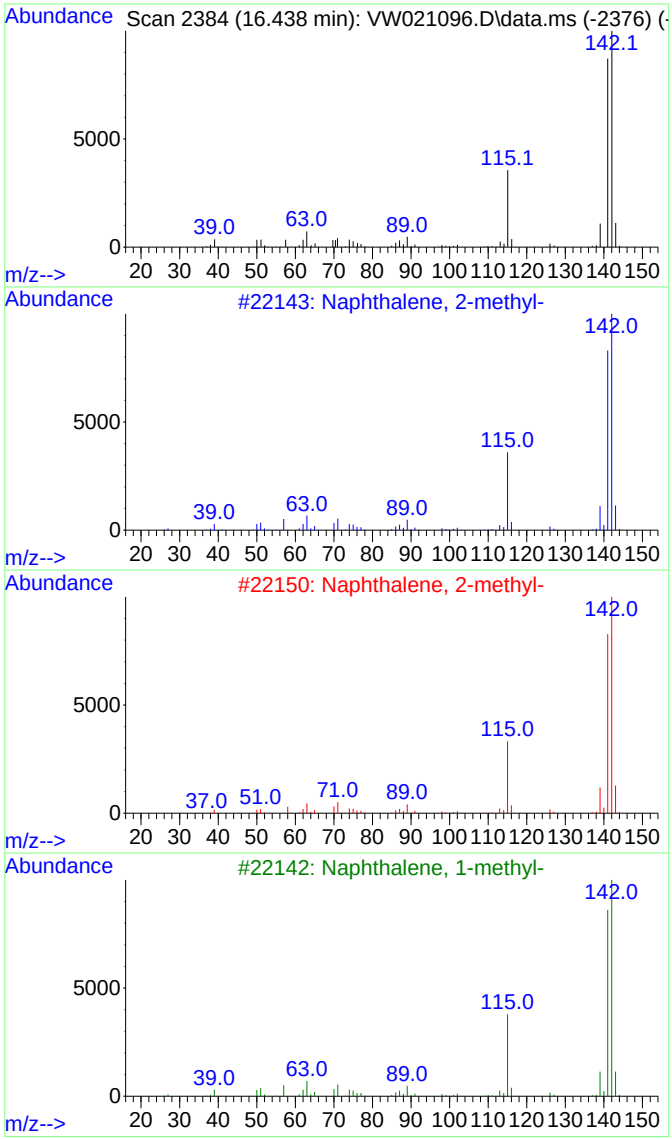
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

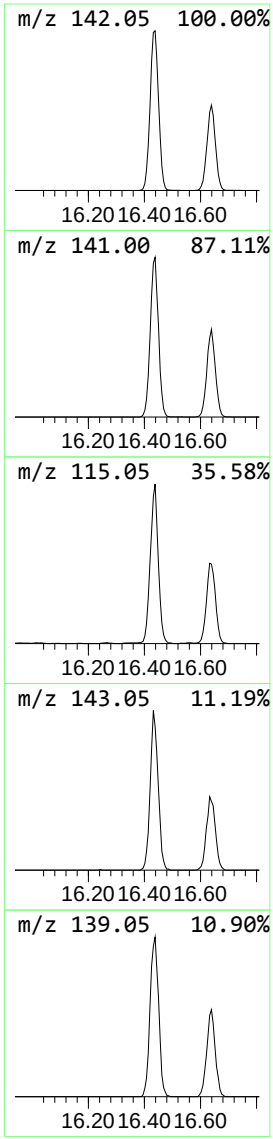
****

Peak Number 22 Naphthalene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.438	142.30 ug/L	640780	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9G4

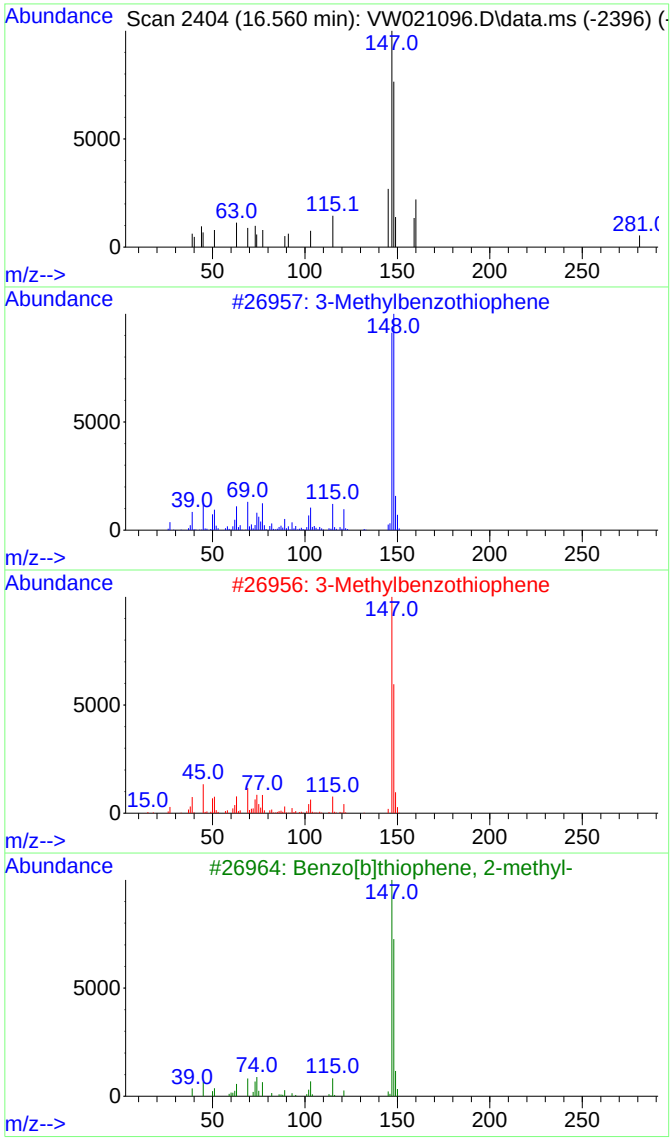
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

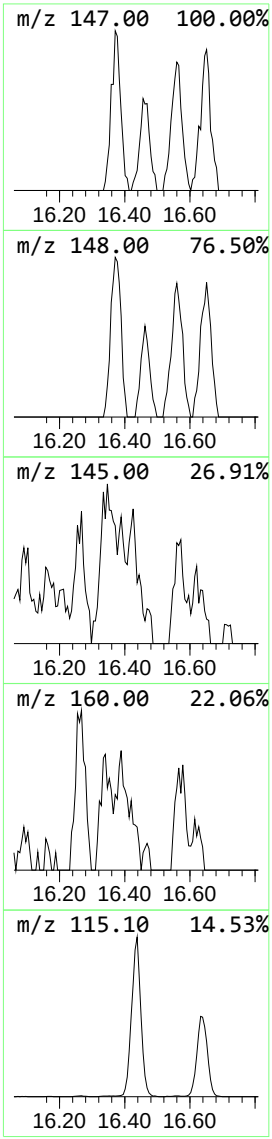
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 3-Methylbenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.560	1.87 ug/L	8405	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylbenzothiophene	148	C9H8S	001455-18-1	70
2	3-Methylbenzothiophene	148	C9H8S	001455-18-1	64
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	64
4	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	64
5	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9G4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

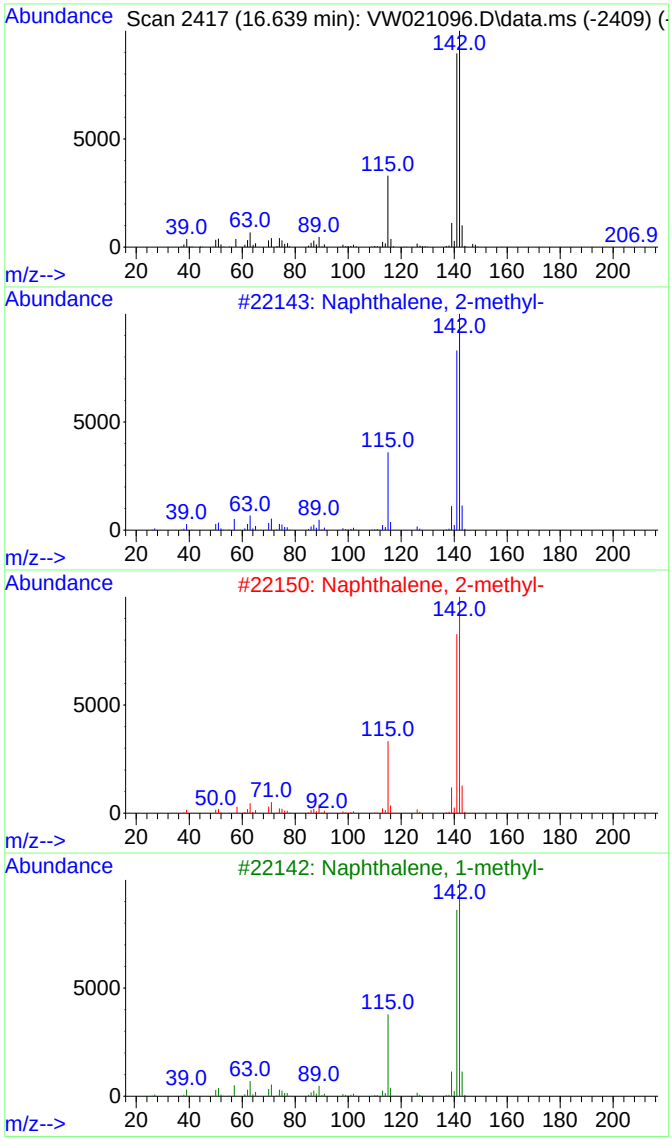
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

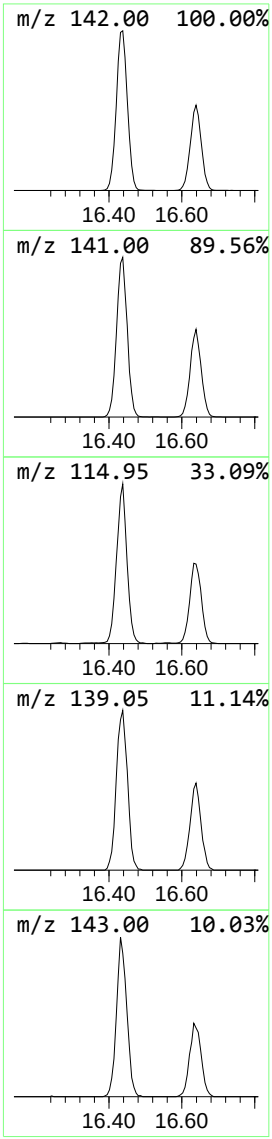
****

Peak Number 24 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.639	79.86 ug/L	359636	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
Data File : VW021096.D
Acq On : 04 Dec 2021 04:52
Operator : SY/VA
Sample : M4883-08
Misc : 3.51g/10.0mL/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW9G4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.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
Benzene, 1-ethy...	12.865	1.3	ug/L	5850	3	13.554	112579	25.0
unknown-01	13.475	1.3	ug/L	5698	3	13.554	112579	25.0
Benzene, 1-ethe...	13.755	2.7	ug/L	12348	3	13.554	112579	25.0
Indene	13.938	6.0	ug/L	26961	3	13.554	112579	25.0
Benzene, 2-ethy...	14.005	1.3	ug/L	6007	3	13.554	112579	25.0
Benzene, 1,2,4,...	14.414	9.4	ug/L	42276	3	13.554	112579	25.0
o-Cymene	14.450	3.3	ug/L	14698	3	13.554	112579	25.0
3-Phenylbut-1-ene	14.688	2.0	ug/L	8955	3	13.554	112579	25.0
1,3-Cyclopentad...	14.792	7.6	ug/L	34347	3	13.554	112579	25.0
1H-Indene, 1-me...	14.865	2.5	ug/L	11244	3	13.554	112579	25.0
2-Methylindene	14.950	4.0	ug/L	18249	3	13.554	112579	25.0
Benzene, pentam...	15.060	3.6	ug/L	16290	3	13.554	112579	25.0
unknown-02	15.164	1.4	ug/L	6244	3	13.554	112579	25.0
2-(2-Hydroxyphe...	15.280	6.2	ug/L	27894	3	13.554	112579	25.0
Azulene	15.365	613.6	ug/L	2763140	3	13.554	112579	25.0
Cyclopenta[c]th...	15.456	12.6	ug/L	56856	3	13.554	112579	25.0
Naphthalene, 2-...	16.438	142.3	ug/L	640780	3	13.554	112579	25.0
3-Methylbenzoth...	16.560	1.9	ug/L	8405	3	13.554	112579	25.0
Naphthalene, 1-...	16.639	79.9	ug/L	359636	3	13.554	112579	25.0