LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021051.D
Acq On : 02 Dec 2021 16:49
Operator : SY/VA
Sample : M4886-15
Misc : 2.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX894

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\SFAMWLM111521SMA.M
Title : SFAM01.0

Signal : TIC: VW021051.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.178	41	45	49	rVB	987	1256	0.04%	0.015%
2	2.227	49	53	54	rBV	409	532	0.01%	0.006%
3	2.349	67	73	82	rVB	24144	39659	1.12%	0.474%
4	2.885	153	161	167	rBV	15462	32771	0.92%	0.391%
5	3.013	180	182	183	rBV2	654	609	0.02%	0.007%
6	3.379	236	242	248	rVB4	434	945	0.03%	0.011%
7	4.019	336	347	358	rBV3	25471	77876	2.19%	0.930%
8	4.129	358	365	375	rVV2	2593	7550	0.21%	0.090%
9	4.391	398	408	409	rBV3	862	1608	0.05%	0.019%
10	4.671	450	454	459	rVB2	128	278	0.01%	0.003%
11	4.921	484	495	506	rBV3	3984	13175	0.37%	0.157%
12	5.281	552	554	556	rVB	161	163	0.00%	0.002%
13	5.446	577	581	585	rVB2	116	159	0.00%	0.002%
14	5.531	593	595	599	rVB	129	166	0.00%	0.002%
15	5.580	599	603	604	rBV2	131	198	0.01%	0.002%
16	5.933	656	661	667	rBV3	802	1923	0.05%	0.023%
17	6.202	702	705	709	rVB	146	187	0.01%	0.002%
18	6.269	714	716	719	rBV	150	161	0.00%	0.002%
19	6.726	788	791	794	rVB2	136	201	0.01%	0.002%
20	6.769	794	798	801	rBB	125	176	0.00%	0.002%
21	6.909	820	821	825	rBV	115	165	0.00%	0.002%
22	6.976	829	832	834	rBV2	494	676	0.02%	0.008%
23	7.073	840	848	854	rBV	7273	20962	0.59%	0.250%
24	7.348	890	893	894	rBV2	161	194	0.01%	0.002%
25	7.451	906	910	914	rVV	124	204	0.01%	0.002%
26	7.647	931	942	954	rBV	49583	122712	3.46%	1.465%
27	7.951	988	992	997	rVV3	517	888	0.03%	0.011%
28	8.031	1003	1005	1010	rVB	159	252	0.01%	0.003%
29	8.274	1032	1045	1061	rVV3	90493	279578	7.88%	3.338%
30	8.409	1061	1067	1072	rVB4	959	2028	0.06%	0.024%
31	8.445	1072	1073	1075	rBV	288	206	0.01%	0.002%
32	8.579	1089	1095	1097	rVB2	462	804	0.02%	0.010%
33	8.610	1097	1100	1102	rVB2	160	193	0.01%	0.002%
34	8.689	1112	1113	1115	rBV2	174	172	0.00%	0.002%
35	8.841	1129	1138	1147	rBV	95714	192468	5.42%	2.298%
36	9.091	1170	1179	1195	rVB	1218228	2361935	66.53%	28.201%

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Instrument :
MSVOA_W
ClientSampleId :
EX894

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\SFAMWLM111521SMA.M
Title : SFAM01.0

37	9.274	1201	1209	1216	rVV	61405	124760	3.51%	1.490%
38	9.335	1216	1219	1224	rVV3	2777	4794	0.14%	0.057%
39	9.604	1261	1263	1266	rBB	265	306	0.01%	0.004%
40	9.658	1269	1272	1276	rVV	298	367	0.01%	0.004%
41	9.756	1285	1288	1290	rVB	169	157	0.00%	0.002%
42	9.884	1307	1309	1314	rVV2	455	588	0.02%	0.007%
43	9.988	1323	1326	1327	rVV	152	160	0.00%	0.002%
44	10.036	1327	1334	1343	rVV	24897	45249	1.27%	0.540%
45	10.122	1345	1348	1351	rBV	137	223	0.01%	0.003%
46	10.213	1359	1363	1366	rBV2	505	612	0.02%	0.007%
47	10.323	1374	1381	1387	rBV	102118	175495	4.94%	2.095%
48	10.384	1387	1391	1400	rVB	4578	8142	0.23%	0.097%
49	10.494	1408	1409	1412	rVB	226	177	0.00%	0.002%
50	10.579	1417	1423	1431	rVB	12874	21694	0.61%	0.259%
51	10.701	1434	1443	1452	rVB2	5677	10658	0.30%	0.127%
52	10.786	1452	1457	1460	rBV	476	739	0.02%	0.009%
53	10.859	1460	1469	1476	rBV	2113388	3550009	100.00%	42.387%
54	10.920	1476	1479	1491	rVB2	27838	52933	1.49%	0.632%
55	11.006	1491	1493	1496	rVB	184	196	0.01%	0.002%
56	11.061	1496	1502	1510	rBV2	5013	8175	0.23%	0.098%
57	11.176	1515	1521	1525	rBV2	540	950	0.03%	0.011%
58	11.231	1525	1530	1534	rVB2	695	976	0.03%	0.012%
59	11.432	1558	1563	1569	rVB2	4061	6729	0.19%	0.080%
60	11.628	1588	1595	1605	rBB	88357	147006	4.14%	1.755%
61	11.725	1608	1611	1617	rBV3	937	1433	0.04%	0.017%
62	11.835	1620	1629	1634	rBV	3562	6177	0.17%	0.074%
63	11.914	1640	1642	1644	rVB2	208	196	0.01%	0.002%
64	12.164	1672	1683	1691	rBB5	2657	5776	0.16%	0.069%
65	12.231	1691	1694	1695	rBV	224	236	0.01%	0.003%
66	12.249	1695	1697	1701	rVB3	558	599	0.02%	0.007%
67	12.359	1706	1715	1718	rBV6	1357	3538	0.10%	0.042%
68	12.420	1722	1725	1727	rBV2	182	194	0.01%	0.002%
69	12.469	1727	1733	1738	rVB2	4714	7540	0.21%	0.090%
70	12.603	1750	1755	1761	rVB2	14083	21760	0.61%	0.260%
71	12.688	1763	1769	1776	rBV	36354	60422	1.70%	0.721%
72	12.774	1776	1783	1791	rVB4	3951	7378	0.21%	0.088%
73	12.865	1791	1798	1804	rBV7	2517	7062	0.20%	0.084%
74	12.938	1804	1810	1821	rVB	17022	30969	0.87%	0.370%
75	13.024	1822	1824	1826	rBV2	429	297	0.01%	0.004%
76	13.078	1829	1833	1835	rBV5	1265	1975	0.06%	0.024%

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ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX894

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\SFAMWLM111521SMA.M
Title : SFAM01.0

77	13.164	1842	1847	1851	rBV4	2570	4594	0.13%	0.055%
78	13.249	1856	1861	1865	rBV2	8125	13922	0.39%	0.166%
79	13.286	1865	1867	1875	rVV5	4337	7420	0.21%	0.089%
80	13.371	1878	1881	1883	rBV4	1564	2011	0.06%	0.024%
81	13.438	1887	1892	1896	rVV5	6036	11067	0.31%	0.132%
82	13.481	1896	1899	1906	rVV6	1886	4064	0.11%	0.049%
83	13.554	1906	1911	1925	rVV3	43243	85230	2.40%	1.018%
84	13.786	1944	1949	1954	rVB	28349	42837	1.21%	0.511%
85	13.853	1954	1960	1969	rBV	38890	86298	2.43%	1.030%
86	14.005	1982	1985	1988	rBV4	6844	10312	0.29%	0.123%
87	14.206	2012	2018	2021	rBV2	13111	23049	0.65%	0.275%
88	14.249	2022	2025	2033	rVB3	8234	15579	0.44%	0.186%
89	14.377	2042	2046	2050	rBV4	11813	20151	0.57%	0.241%
90	14.450	2055	2058	2062	rVB	18004	23847	0.67%	0.285%
91	14.499	2062	2066	2069	rBV	12354	19180	0.54%	0.229%
92	14.542	2069	2073	2079	rVB5	19626	37640	1.06%	0.449%
93	14.682	2093	2096	2100	rBV3	10612	18567	0.52%	0.222%
94	14.725	2100	2103	2108	rVB5	14482	22074	0.62%	0.264%
95	14.804	2109	2116	2121	rBV3	38349	94883	2.67%	1.133%
96	15.322	2197	2201	2204	rBV3	13159	21833	0.62%	0.261%
97	15.359	2204	2207	2214	rVB	22096	34870	0.98%	0.416%
98	15.730	2264	2268	2275	rVB7	9656	19726	0.56%	0.236%
99	16.432	2377	2383	2389	rBV	67197	137897	3.88%	1.646%
100	16.633	2410	2416	2427	rVB2	55555	138566	3.90%	1.654%

Sum of corrected areas: 8375294

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Data File : VW021051.D
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Operator : SY/VA
Sample : M4886-15
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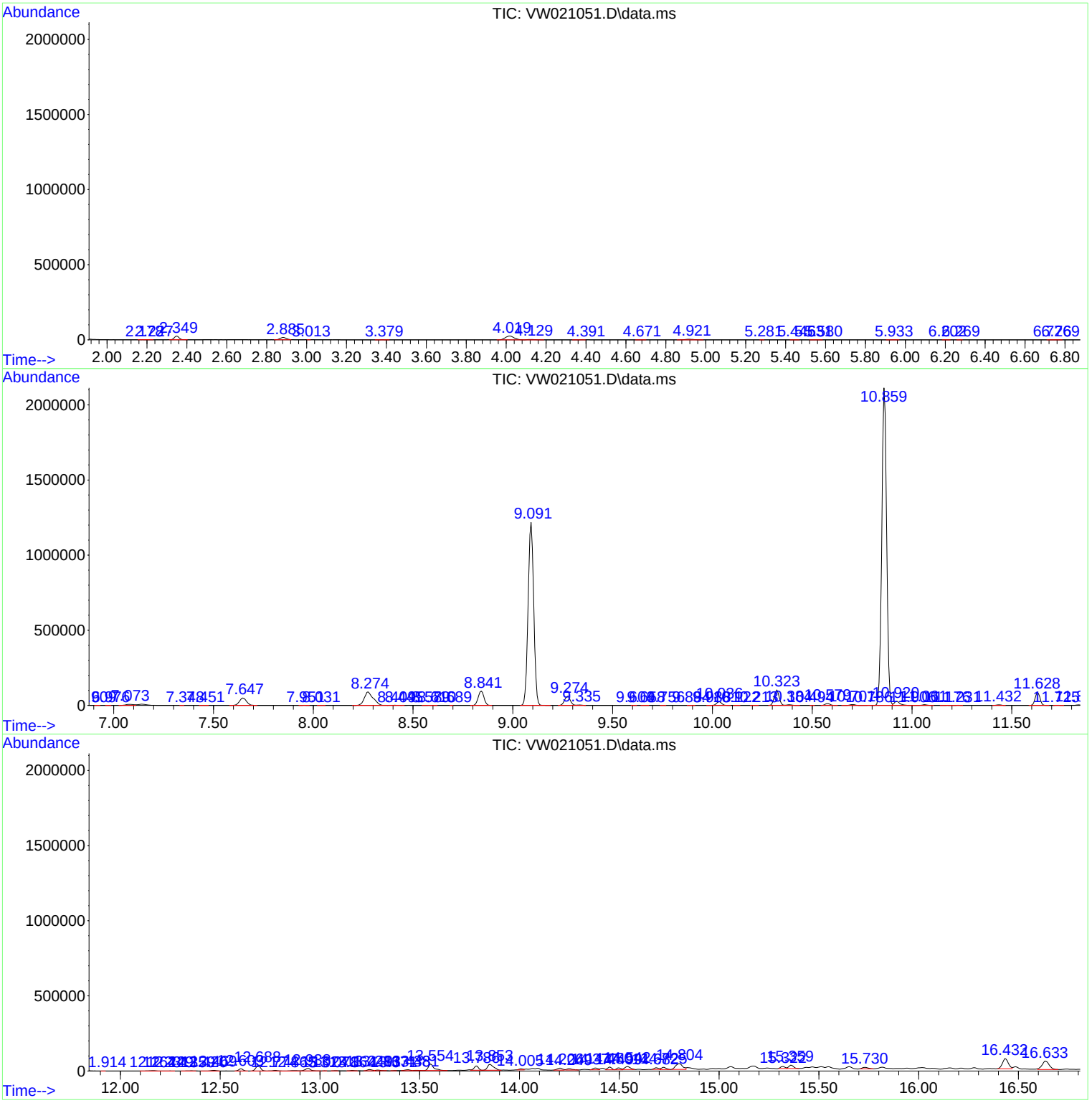
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX894

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021051.D
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Operator : SY/VA
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Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

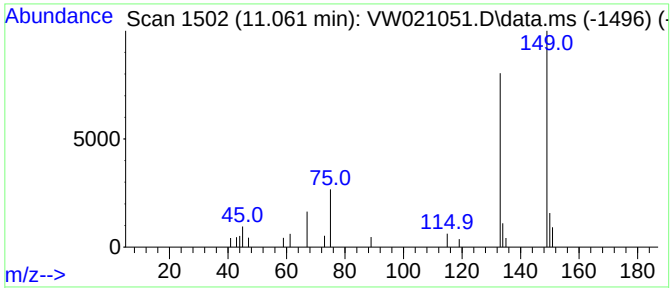
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

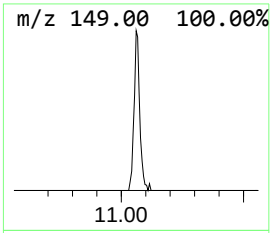
****

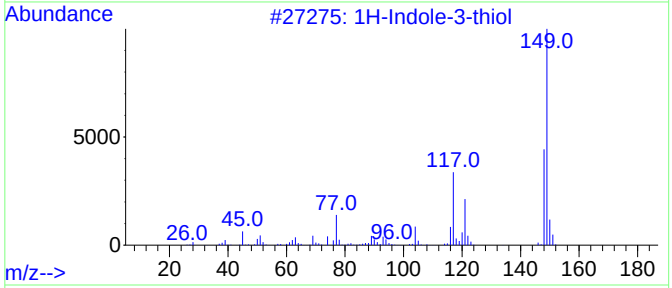
Peak Number 4 unknown-01 Concentration Rank 24

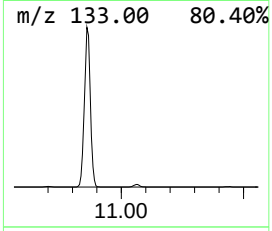
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.061	1.39 ug/L	8175	Chlorobenzene-d5	11.628

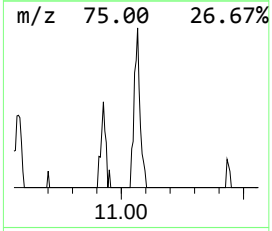
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indole-3-thiol	149	C8H7NS	000480-94-4	35
2	(Tert.-butyldimethylsilyl)oxyurea	190	C7H18N2O2Si	1000453-67-1	32
3	Silane, diethoxydimethyl-	148	C6H16O2Si	000078-62-6	25
4	Benzothiazole, 2-methyl-	149	C8H7NS	000120-75-2	25
5	4-(Methylthio)benzonitrile	149	C8H7NS	021382-98-9	17

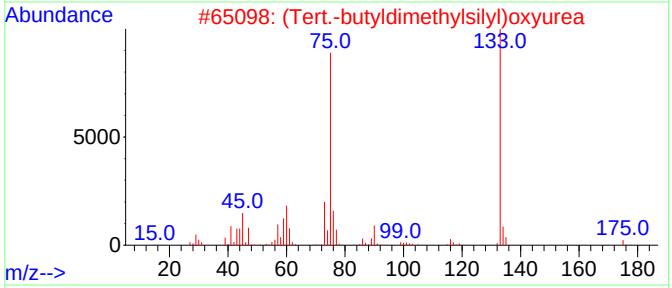


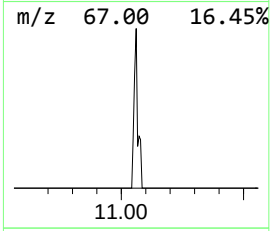


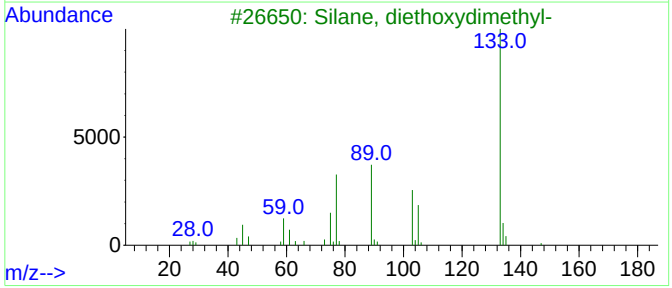


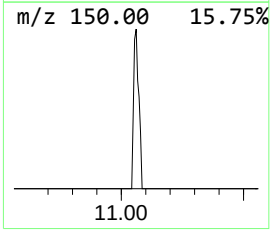












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MSVOA_W
ClientSampleId :
EX894

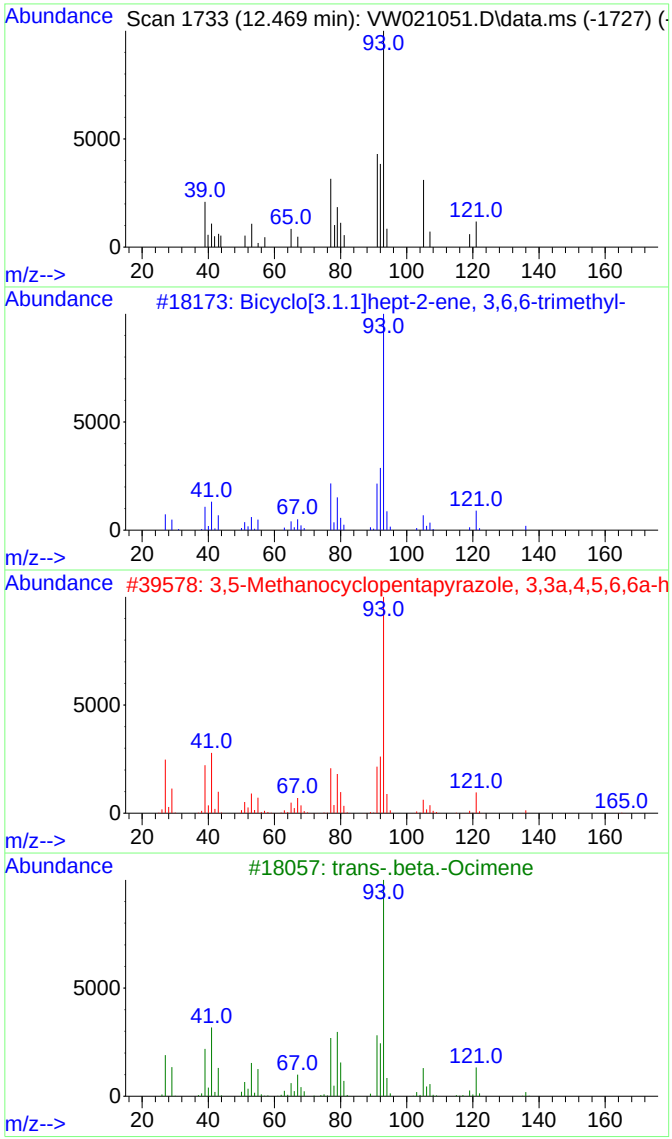
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

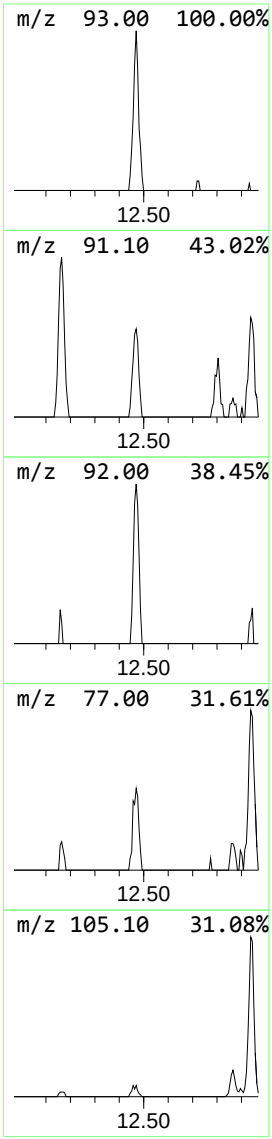
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Bicyclo[3.1.1]hept-2-ene, 3... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	1.28 ug/L	7540	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	78
2	3,5-Methanocyclopentapyrazole, 3...	164	C10H16N2	087143-58-6	53
3	trans-.beta.-Ocimene	136	C10H16	003779-61-1	50
4	1,4-Methano-1H-Cyclopropa[d]pyri...	136	C8H12N2	109746-10-3	43
5	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	40





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EX894

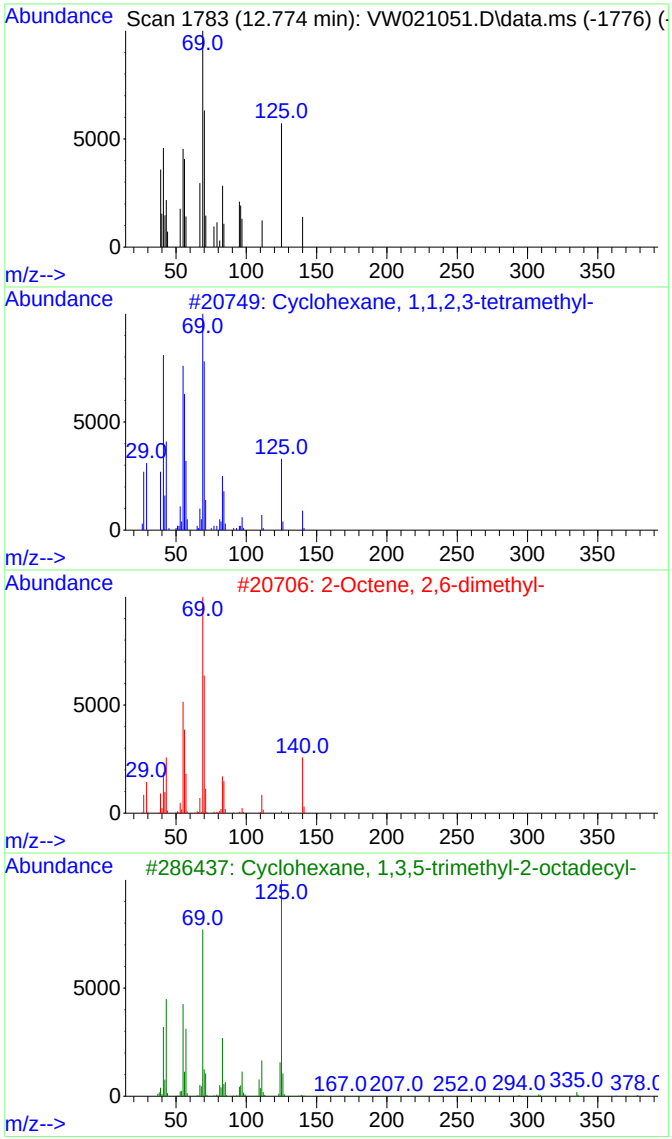
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

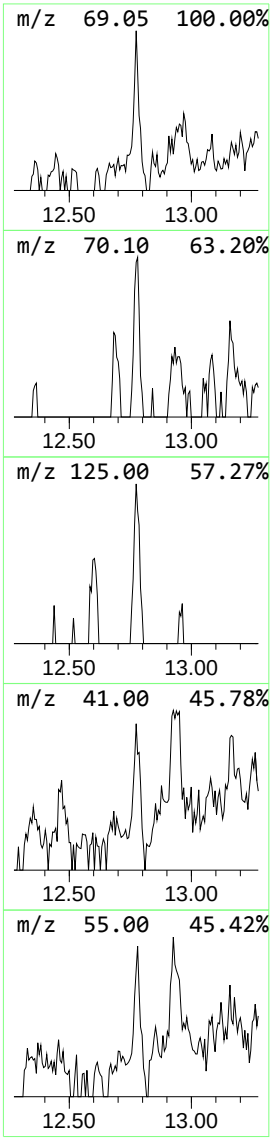
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic12.774 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.774	2.16 ug/L	7378	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	81
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	52
3	Cyclohexane, 1,3,5-trimethyl-2-o...	378	C27H54	055282-34-3	50
4	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	50
5	1-Octene, 3,3-dimethyl-	140	C10H20	074511-51-6	43





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Data File : VW021051.D
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Misc : 2.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId :
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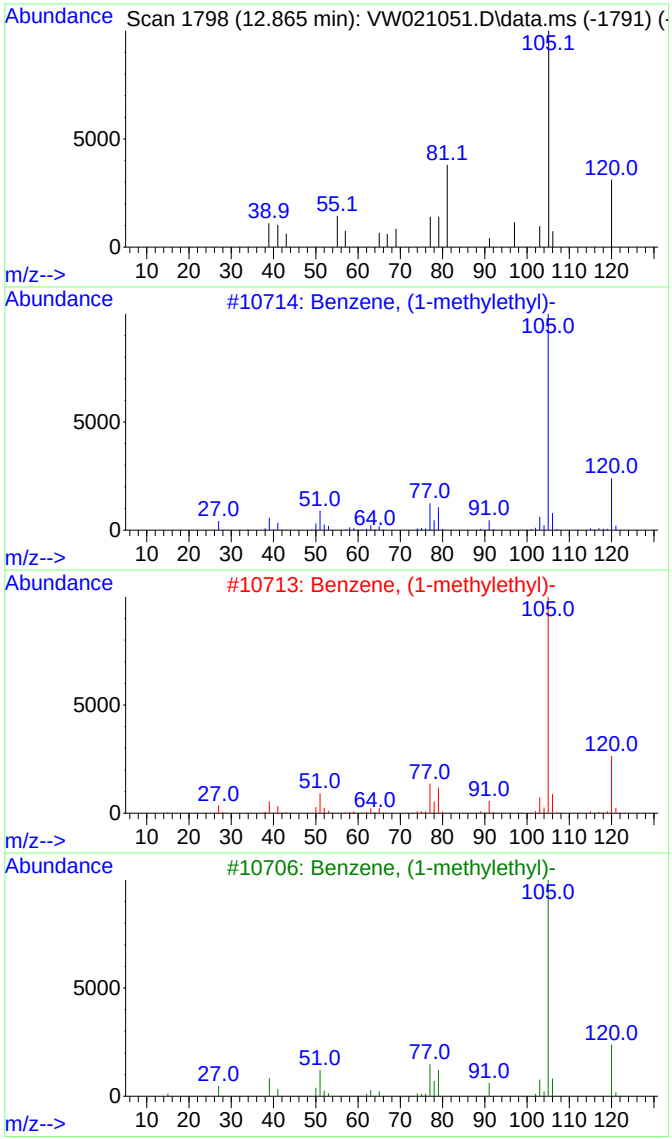
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

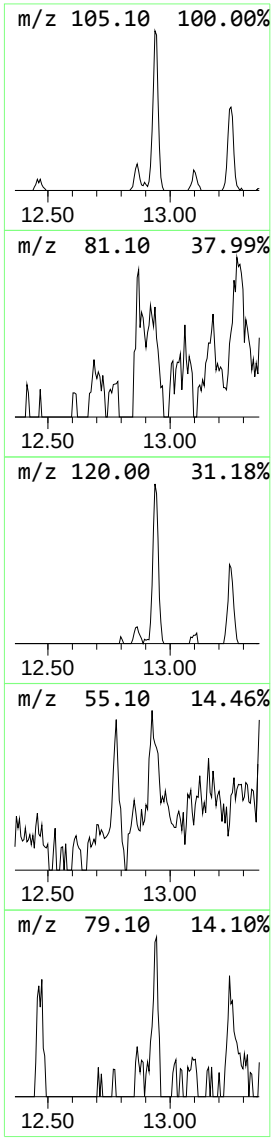
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, (1-methylethyl)- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	2.07 ug/L	7062	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	72
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	64
3	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	59
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	59
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	59





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Data File : VW021051.D
Acq On : 02 Dec 2021 16:49
Operator : SY/VA
Sample : M4886-15
Misc : 2.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX894

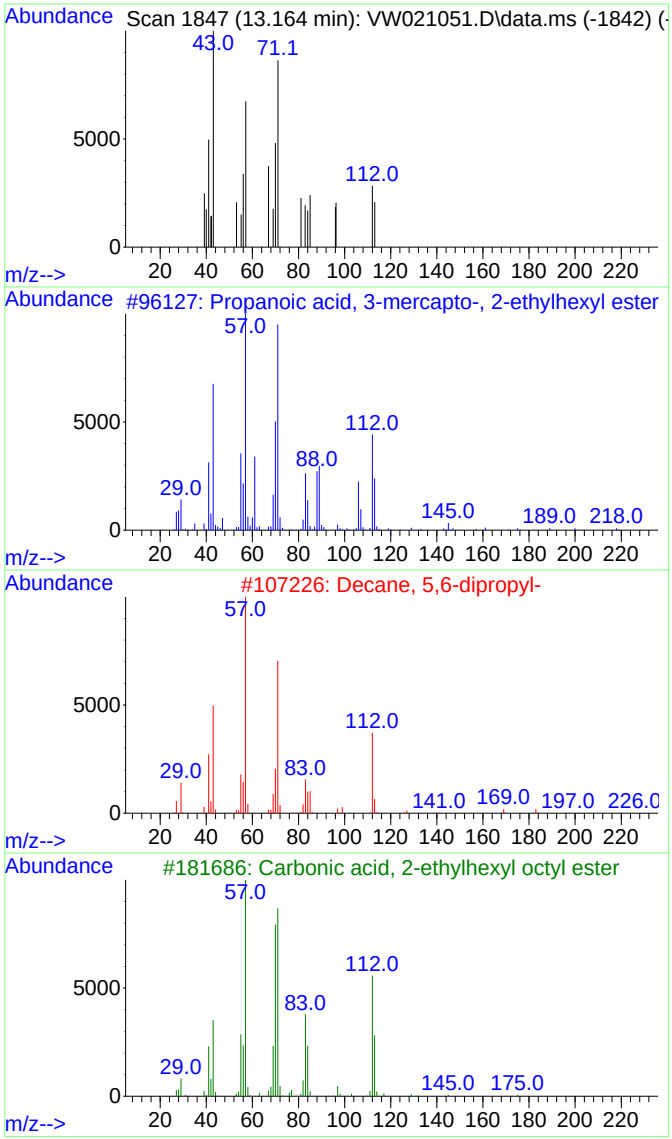
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

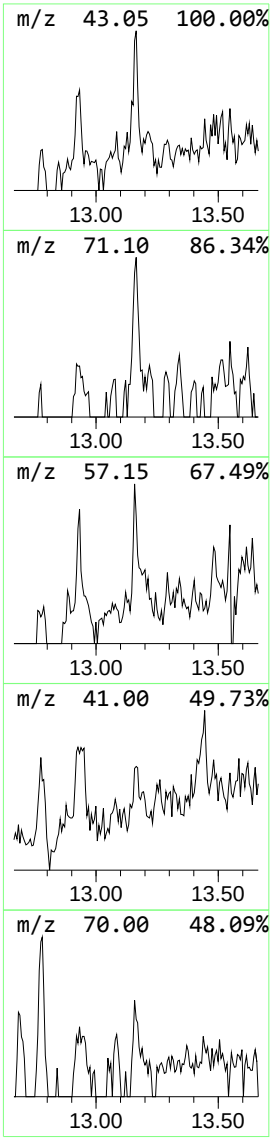
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Propanoic acid, 3-mercapto-... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	1.35 ug/L	4594	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 3-mercapto-, 2-e...	218	C11H22O2S	050448-95-8	50
2	Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	43
3	Carbonic acid, 2-ethylhexyl octy...	286	C17H34O3	1000383-13-5	43
4	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	43
5	Oxalic acid, 2-ethylhexyl hexyl ...	286	C16H30O4	1000309-38-9	40





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Data File : VW021051.D
Acq On : 02 Dec 2021 16:49
Operator : SY/VA
Sample : M4886-15
Misc : 2.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX894

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

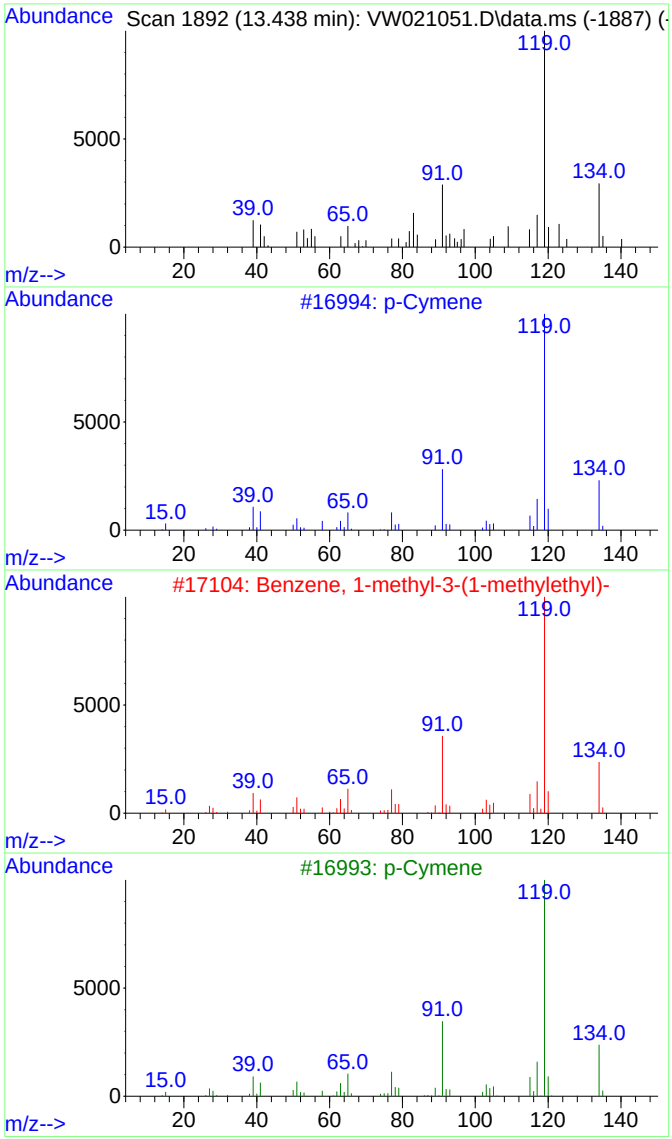
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

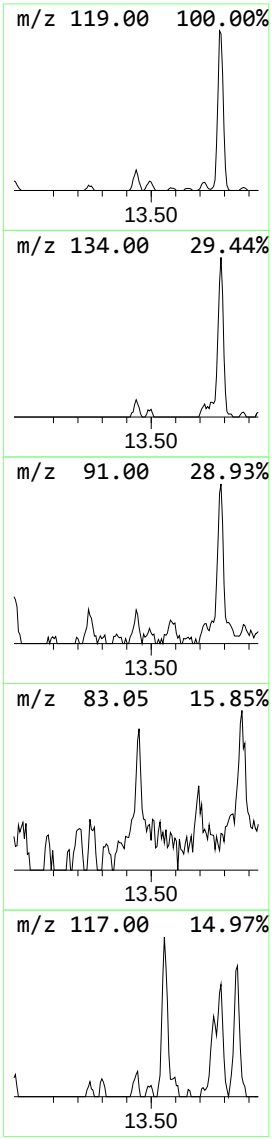
****

Peak Number 10 p-Cymene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.438	3.25 ug/L	11067	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	81
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	81
3	p-Cymene	134	C10H14	000099-87-6	81
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	81
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81





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Data File : VW021051.D
Acq On : 02 Dec 2021 16:49
Operator : SY/VA
Sample : M4886-15
Misc : 2.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX894

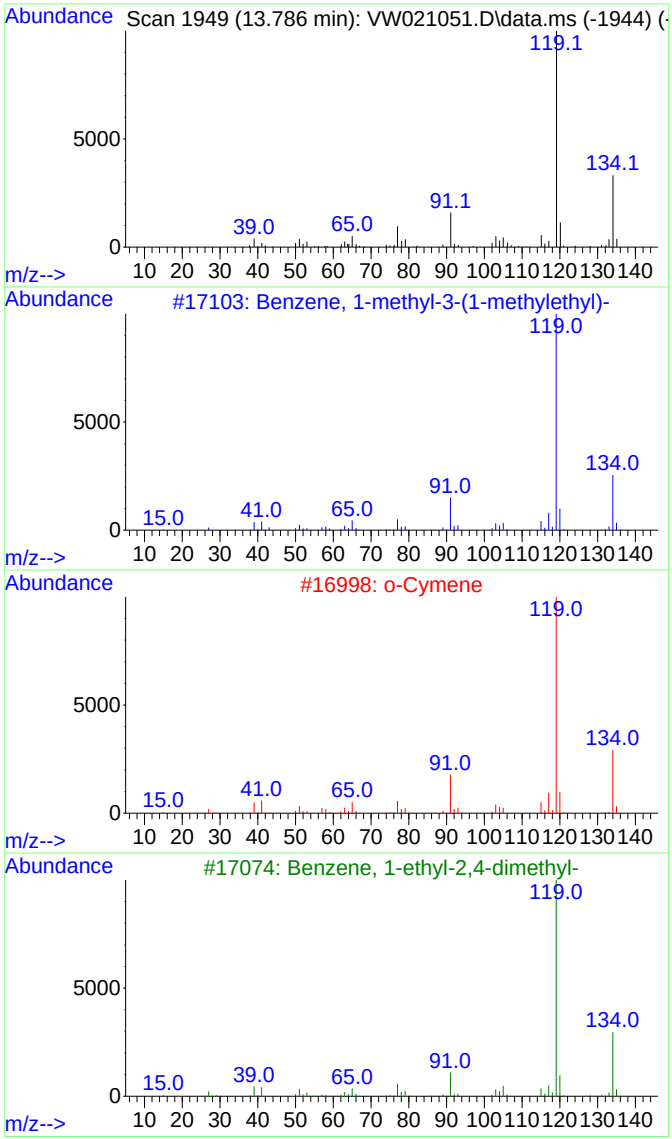
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

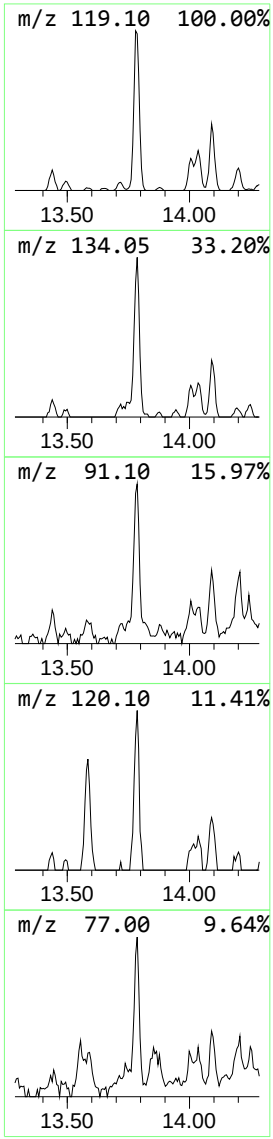
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 1-methyl-3-(1-meth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.786	12.57 ug/L	42837	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
2	o-Cymene	134	C10H14	000527-84-4	91
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
4	o-Cymene	134	C10H14	000527-84-4	91
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





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Data File : VW021051.D
Acq On : 02 Dec 2021 16:49
Operator : SY/VA
Sample : M4886-15
Misc : 2.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX894

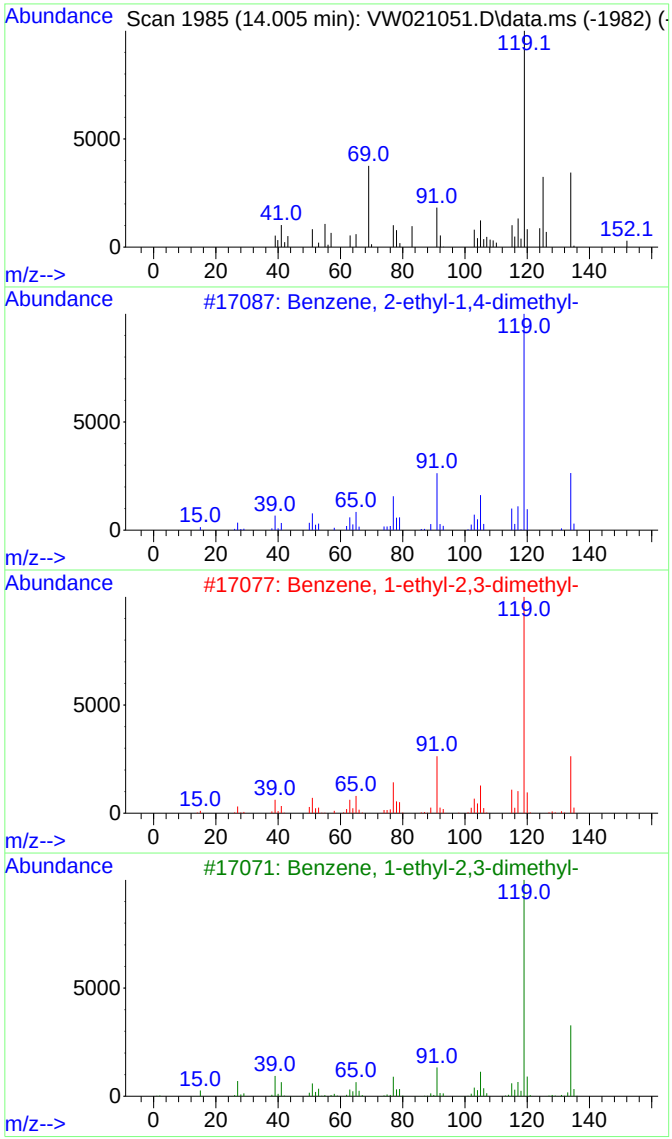
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

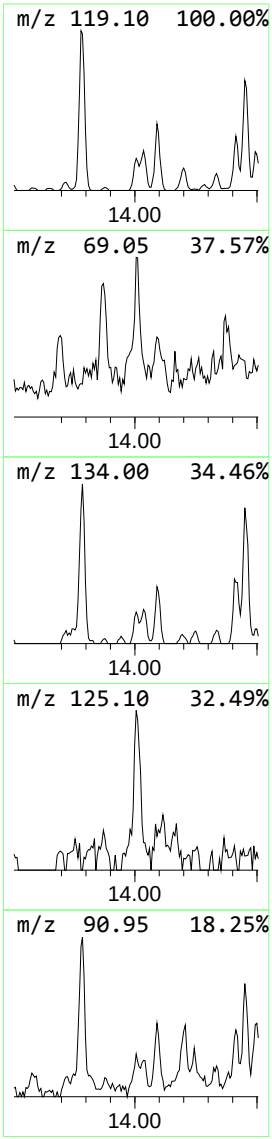
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.005	3.02 ug/L	10312	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	76
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	76
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	76
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	76
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021051.D
Acq On : 02 Dec 2021 16:49
Operator : SY/VA
Sample : M4886-15
Misc : 2.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX894

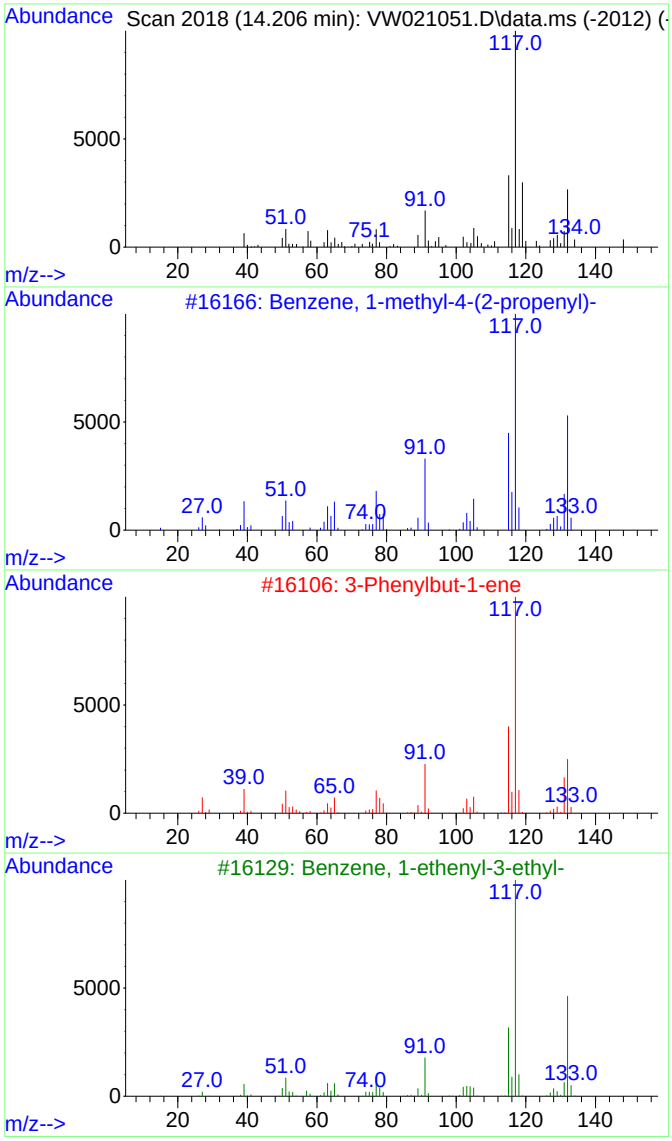
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

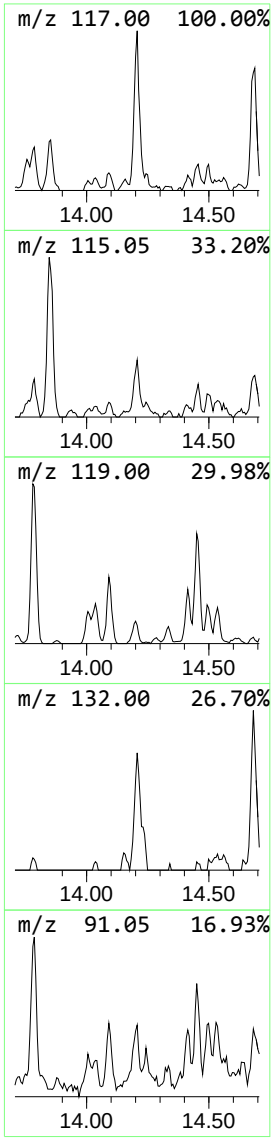
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1-methyl-4-(2-prop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.206	6.76 ug/L	23049	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	74
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	68
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	68
4	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	64
5	Cyclopropane, 1-methyl-1-phenyl-	132	C10H12	002214-14-4	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021051.D
Acq On : 02 Dec 2021 16:49
Operator : SY/VA
Sample : M4886-15
Misc : 2.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX894

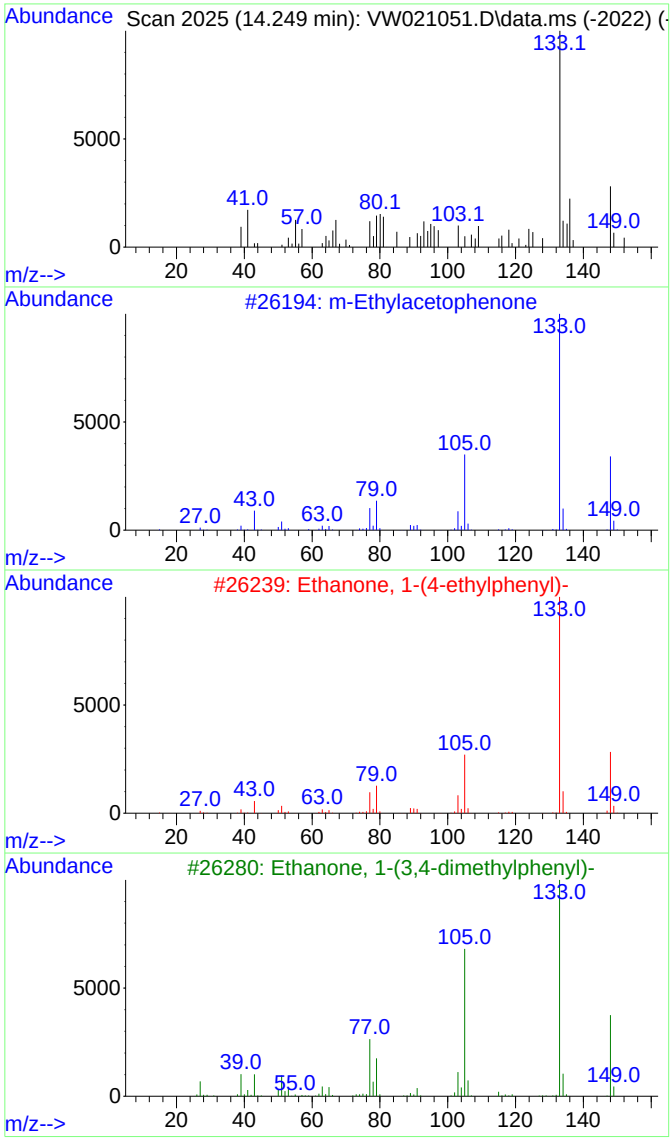
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

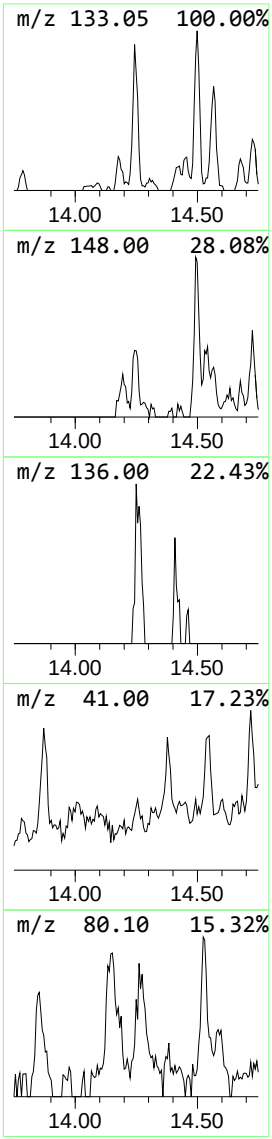
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 unknown-02 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.249	4.57 ug/L	15579	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Ethylacetophenone	148	C10H12O	022699-70-3	49
2	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	49
3	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	49
4	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	49
5	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021051.D
Acq On : 02 Dec 2021 16:49
Operator : SY/VA
Sample : M4886-15
Misc : 2.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX894

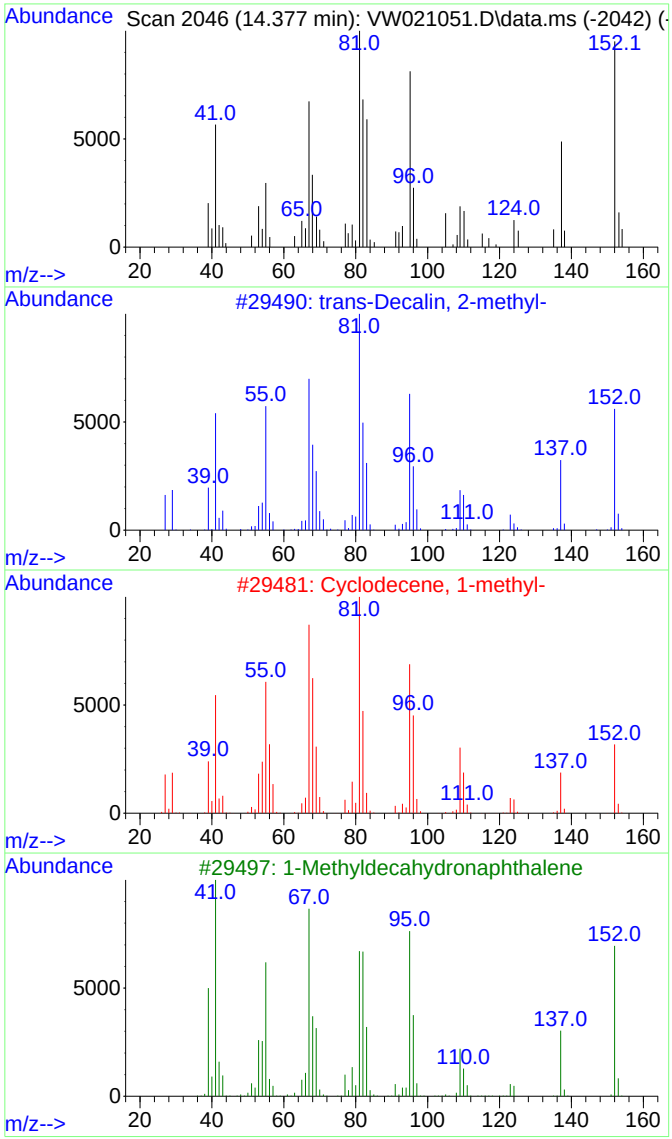
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

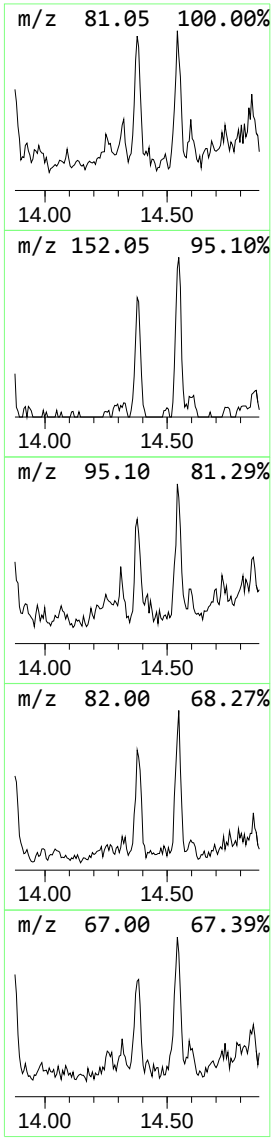
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 trans-Decalin, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.377	5.91 ug/L	20151	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	90
2	Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	80
3	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	64
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	64
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	62





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Data File : VW021051.D
Acq On : 02 Dec 2021 16:49
Operator : SY/VA
Sample : M4886-15
Misc : 2.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX894

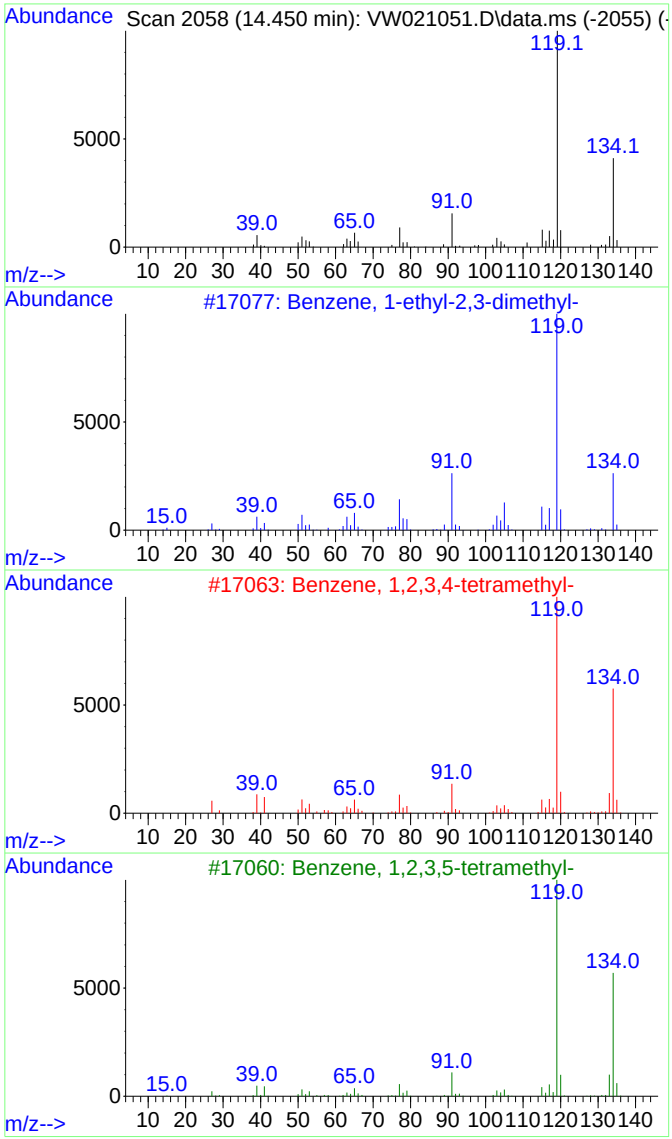
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

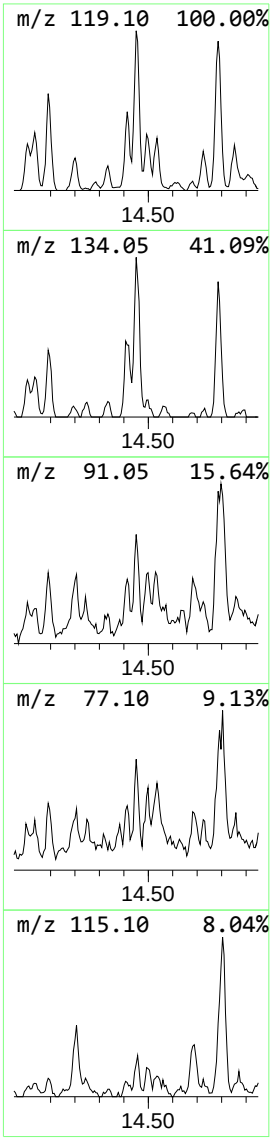
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.450	6.99 ug/L	23847	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5	o-Cymene	134	C10H14	000527-84-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021051.D
Acq On : 02 Dec 2021 16:49
Operator : SY/VA
Sample : M4886-15
Misc : 2.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX894

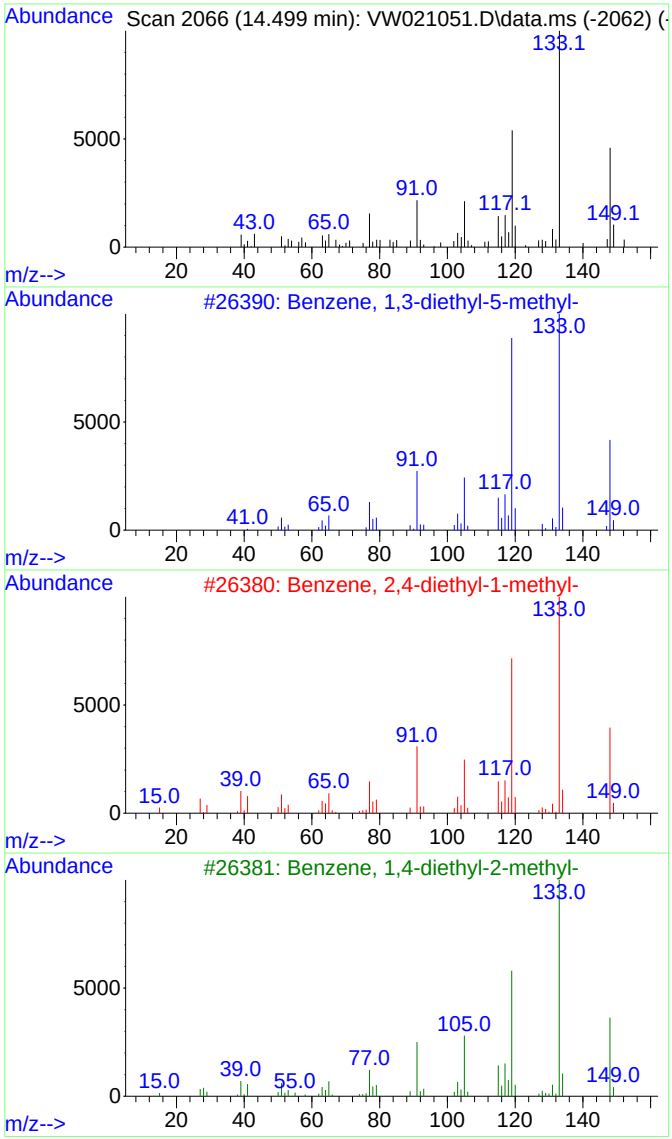
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

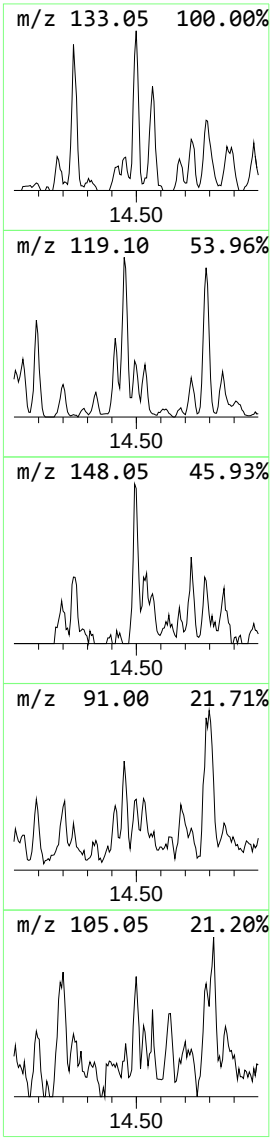
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.499	5.63 ug/L	19180	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	94
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	93
3	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	90
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	80
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021051.D
Acq On : 02 Dec 2021 16:49
Operator : SY/VA
Sample : M4886-15
Misc : 2.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX894

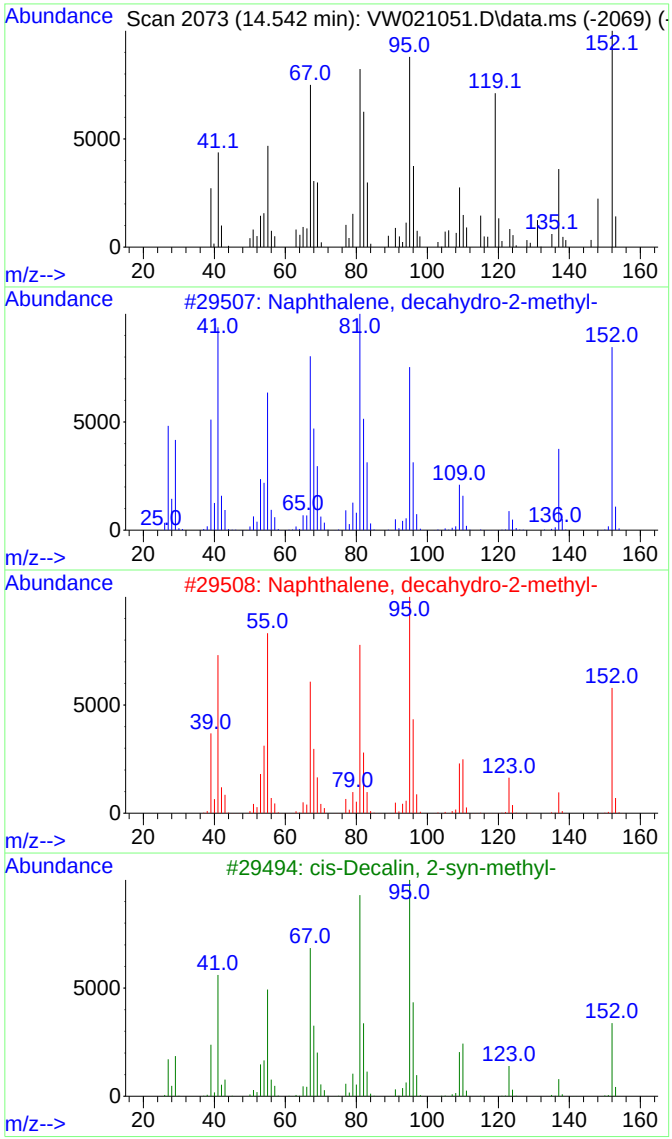
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

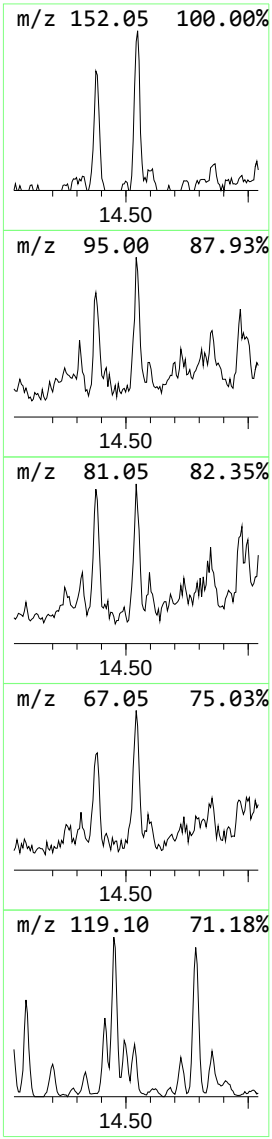
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Naphthalene, decahydro-2-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.542	11.04 ug/L	37640	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	94
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	81
3	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	74
4	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	68
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021051.D
Acq On : 02 Dec 2021 16:49
Operator : SY/VA
Sample : M4886-15
Misc : 2.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX894

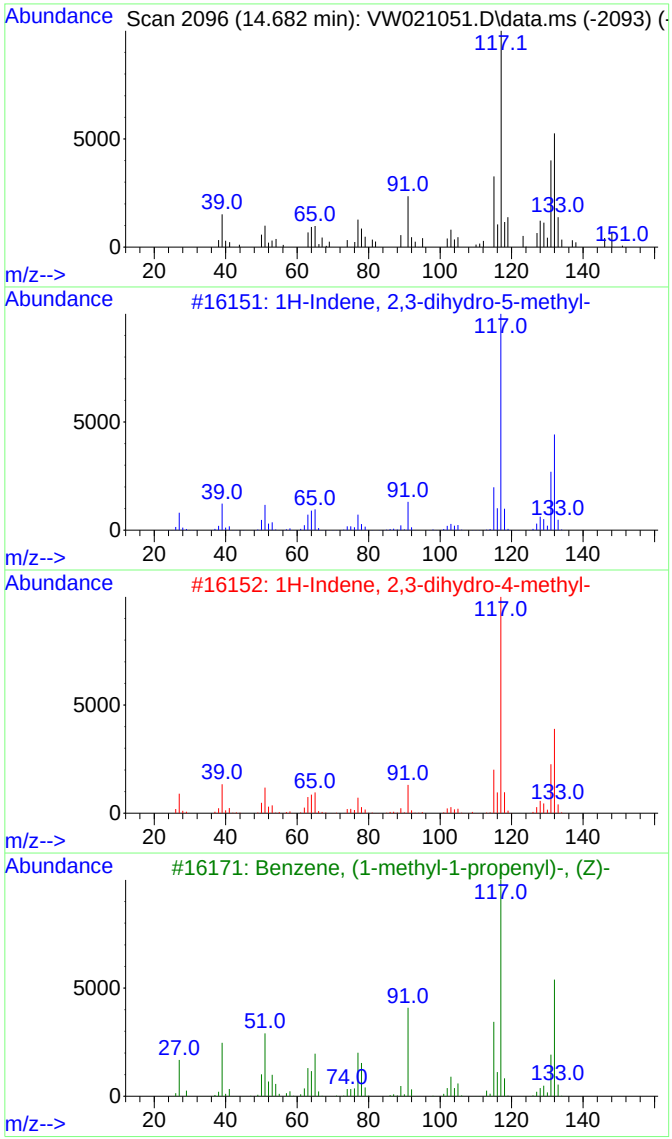
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

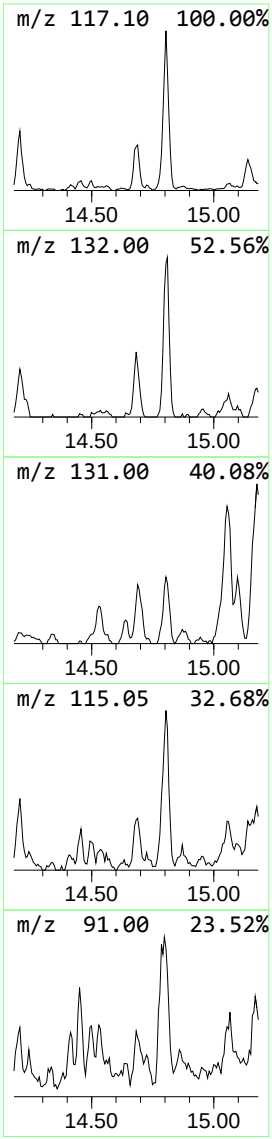
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.682	5.45 ug/L	18567	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	76
4	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	76
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021051.D
Acq On : 02 Dec 2021 16:49
Operator : SY/VA
Sample : M4886-15
Misc : 2.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX894

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

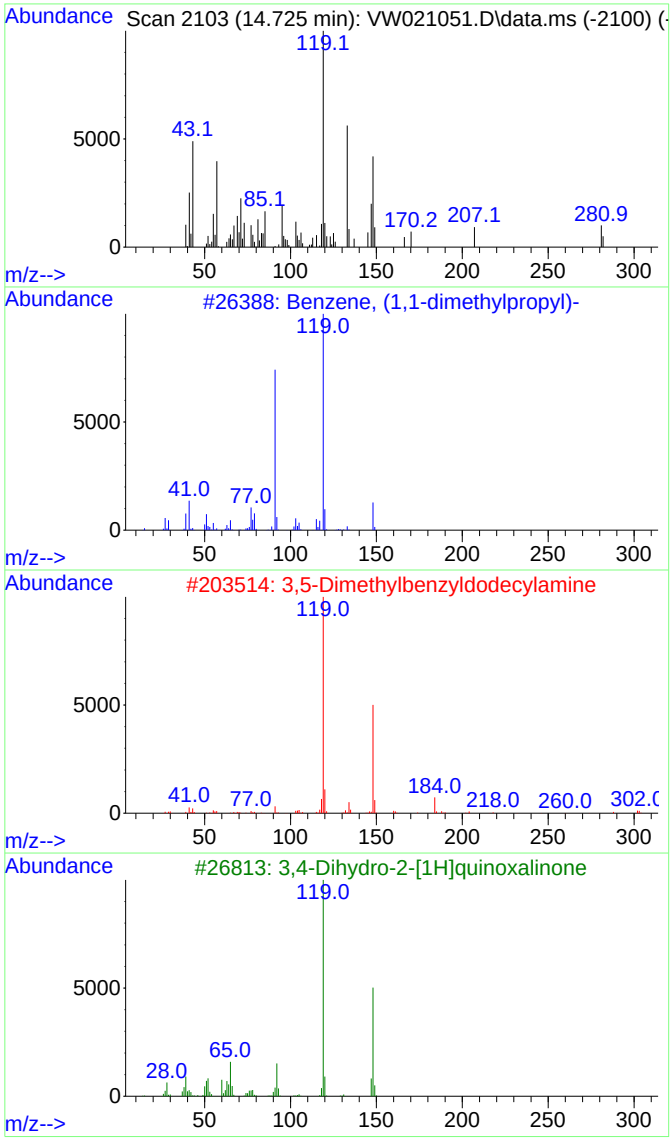
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

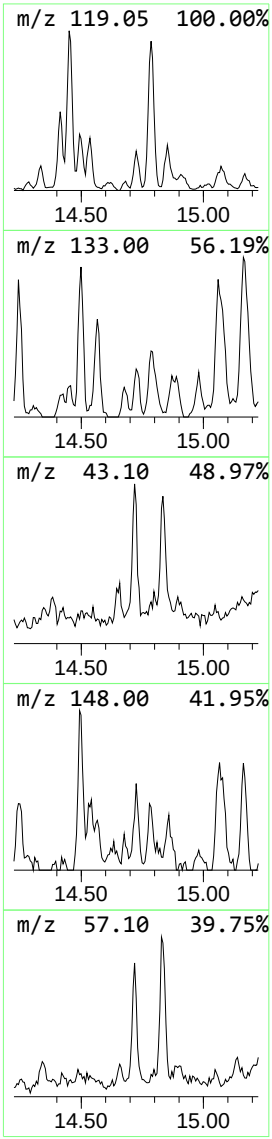
****

Peak Number 20 unknown-03 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.725	6.47 ug/L	22074	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	47
2	3,5-Dimethylbenzyldodecylamine	303	C21H37N	1000491-61-4	47
3	3,4-Dihydro-2-[1H]quinoxalinone	148	C8H8N2O	059564-59-9	47
4	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	47
5	Benzoic acid, 2,4-dimethyl-, (2,...	268	C18H20O2	055000-43-6	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021051.D
Acq On : 02 Dec 2021 16:49
Operator : SY/VA
Sample : M4886-15
Misc : 2.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX894

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

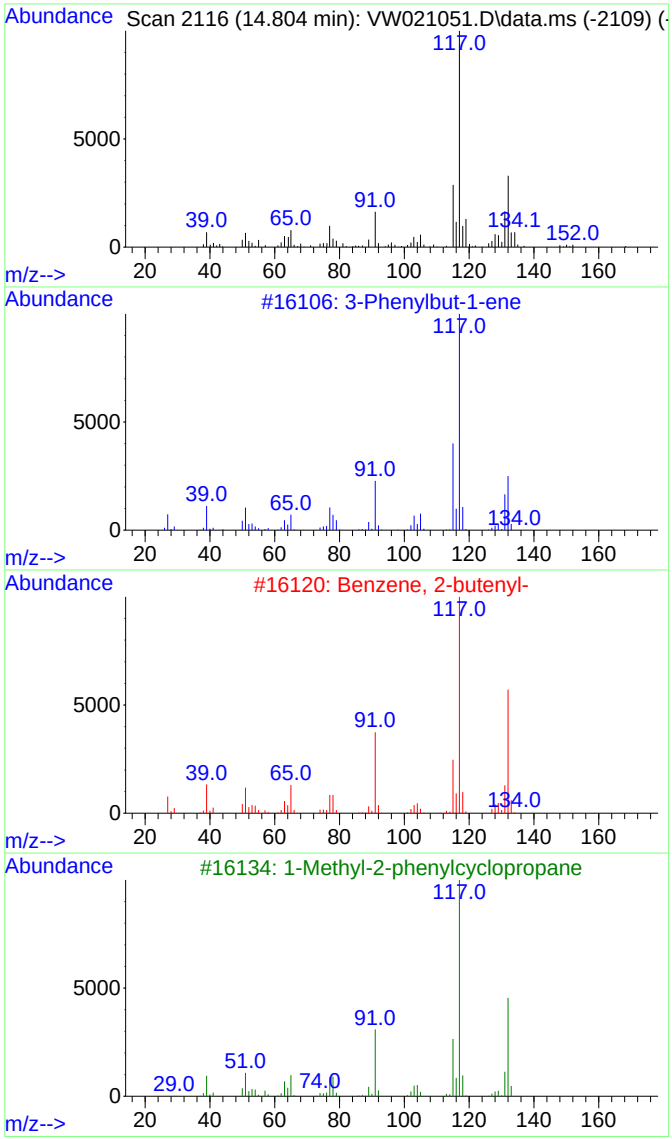
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

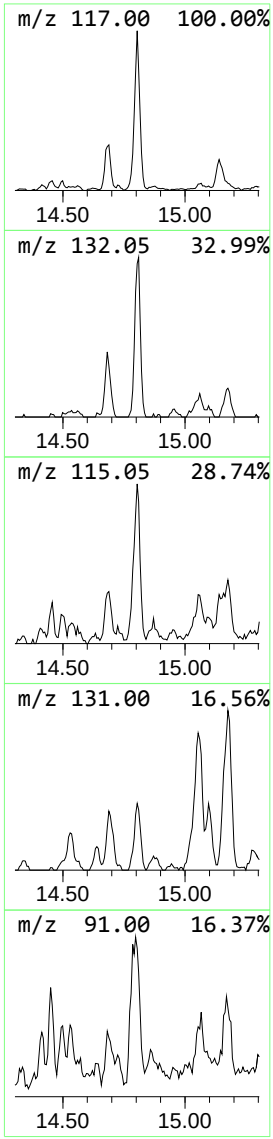
****

Peak Number 21 3-Phenylbut-1-ene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.804	27.83 ug/L	94883	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	90
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90
3	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	90
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021051.D
Acq On : 02 Dec 2021 16:49
Operator : SY/VA
Sample : M4886-15
Misc : 2.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX894

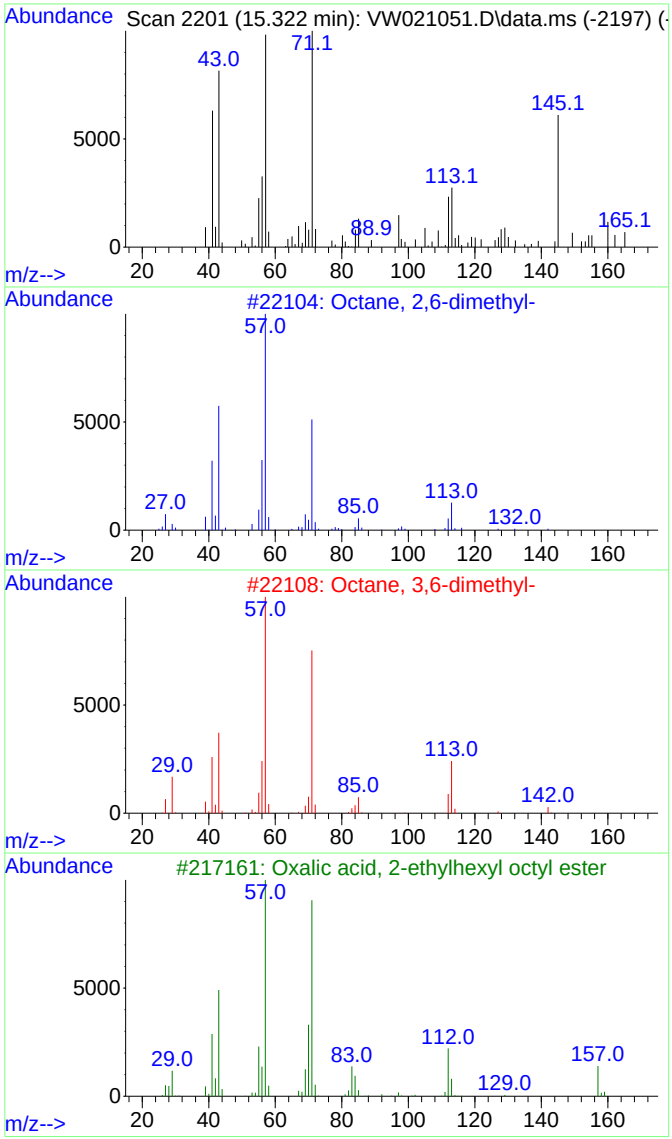
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

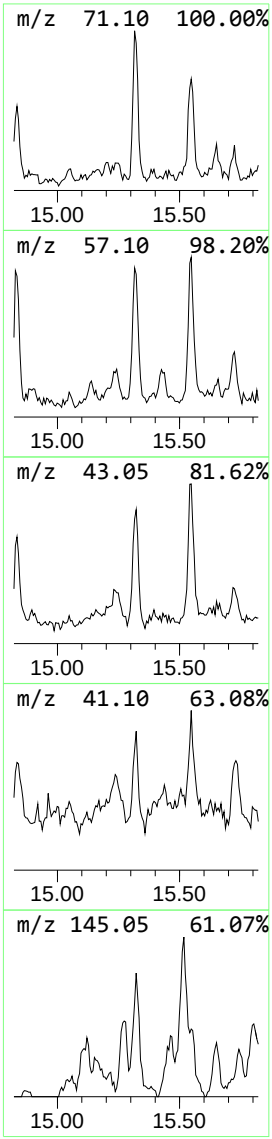
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	6.40 ug/L	21833	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	52
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	50
3	Oxalic acid, 2-ethylhexyl octyl ...	314	C18H34O4	1000309-39-1	47
4	Octane, 2-bromo-	192	C8H17Br	000557-35-7	43
5	Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021051.D
Acq On : 02 Dec 2021 16:49
Operator : SY/VA
Sample : M4886-15
Misc : 2.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX894

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

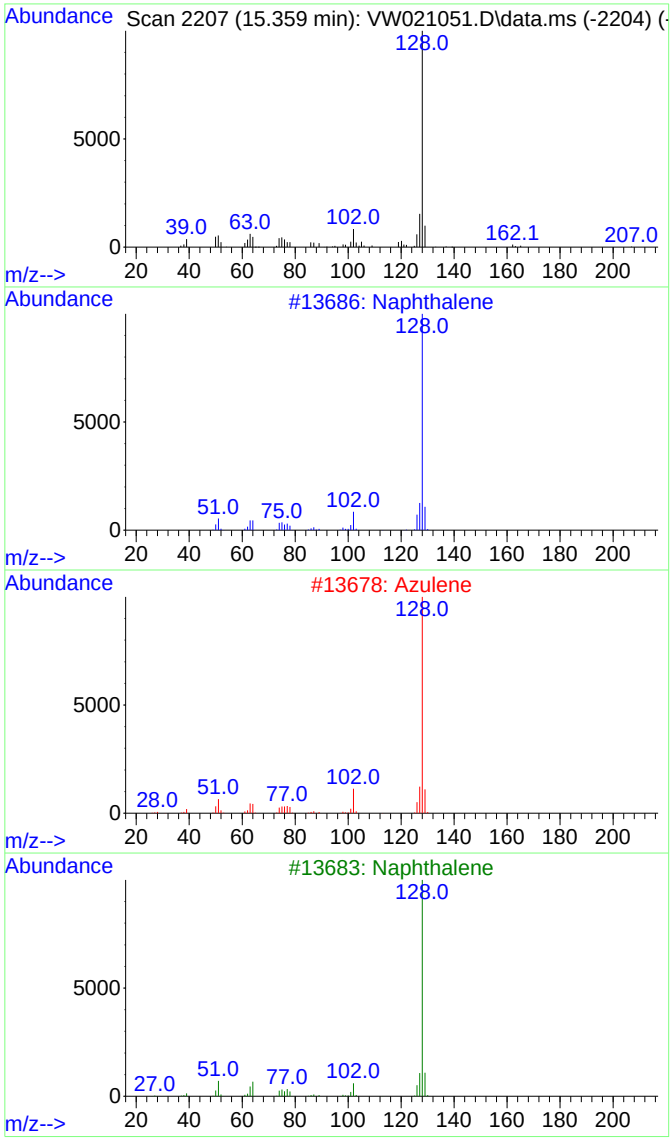
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

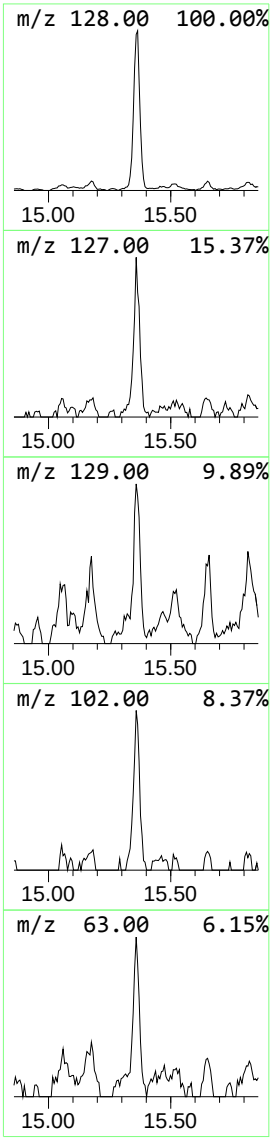
****

Peak Number 23 Azulene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.359	10.23 ug/L	34870	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	94
2	Azulene	128	C10H8	000275-51-4	90
3	Naphthalene	128	C10H8	000091-20-3	90
4	Azulene	128	C10H8	000275-51-4	86
5	Naphthalene	128	C10H8	000091-20-3	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021051.D
Acq On : 02 Dec 2021 16:49
Operator : SY/VA
Sample : M4886-15
Misc : 2.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX894

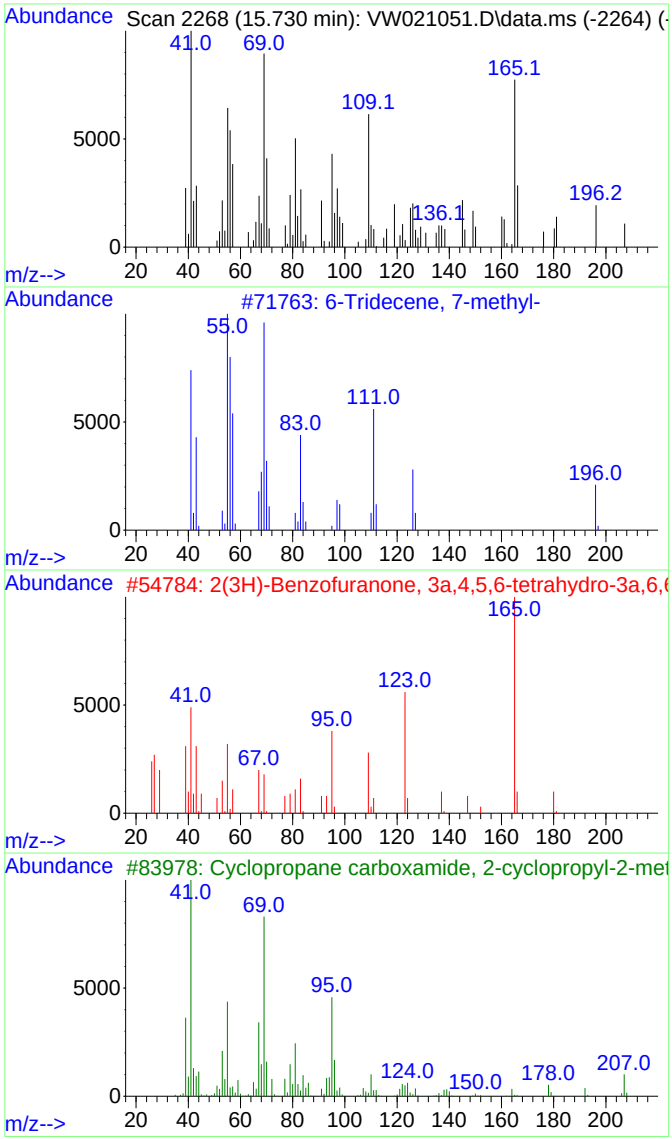
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

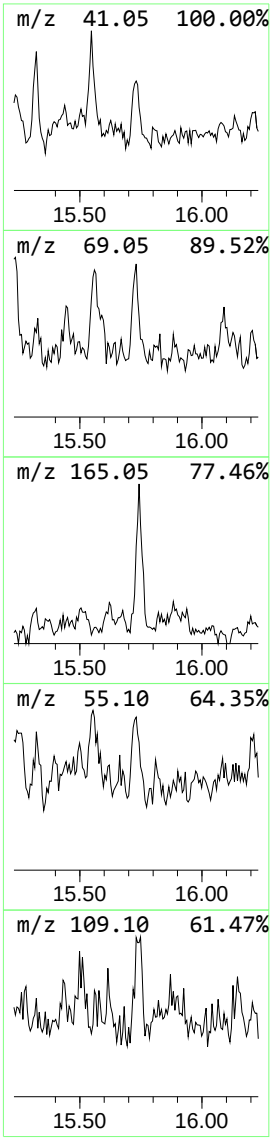
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.730	5.79 ug/L	19726	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	30
2	2(3H)-Benzofuranone, 3a,4,5,6-te...	180	C11H16O2	016778-26-0	27
3	Cyclopropane carboxamide, 2-cycl...	207	C13H21NO	331416-19-4	20
4	3-Tetradecene, (E)-	196	C14H28	041446-68-8	20
5	Cyclopentane, butyl-	126	C9H18	002040-95-1	18





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021051.D
Acq On : 02 Dec 2021 16:49
Operator : SY/VA
Sample : M4886-15
Misc : 2.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX894

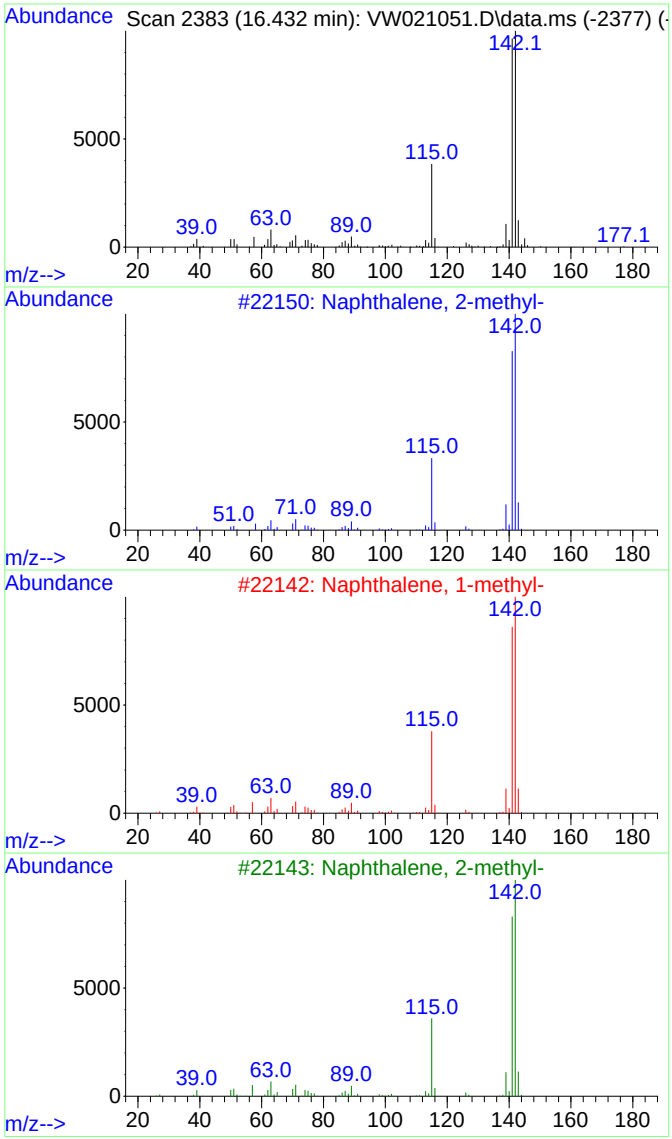
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

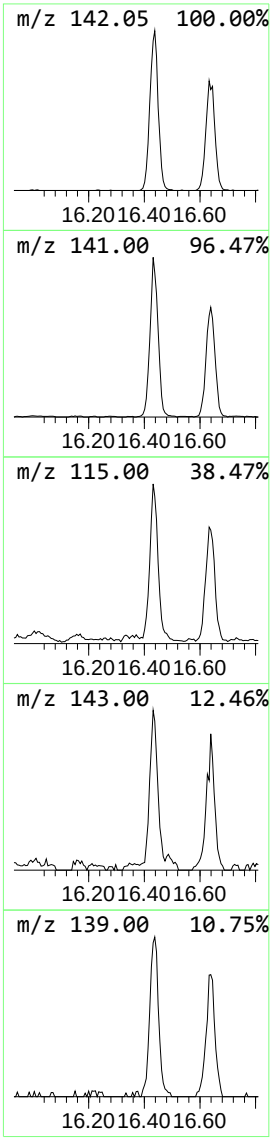
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Naphthalene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.432	40.45 ug/L	137897	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, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021051.D
Acq On : 02 Dec 2021 16:49
Operator : SY/VA
Sample : M4886-15
Misc : 2.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX894

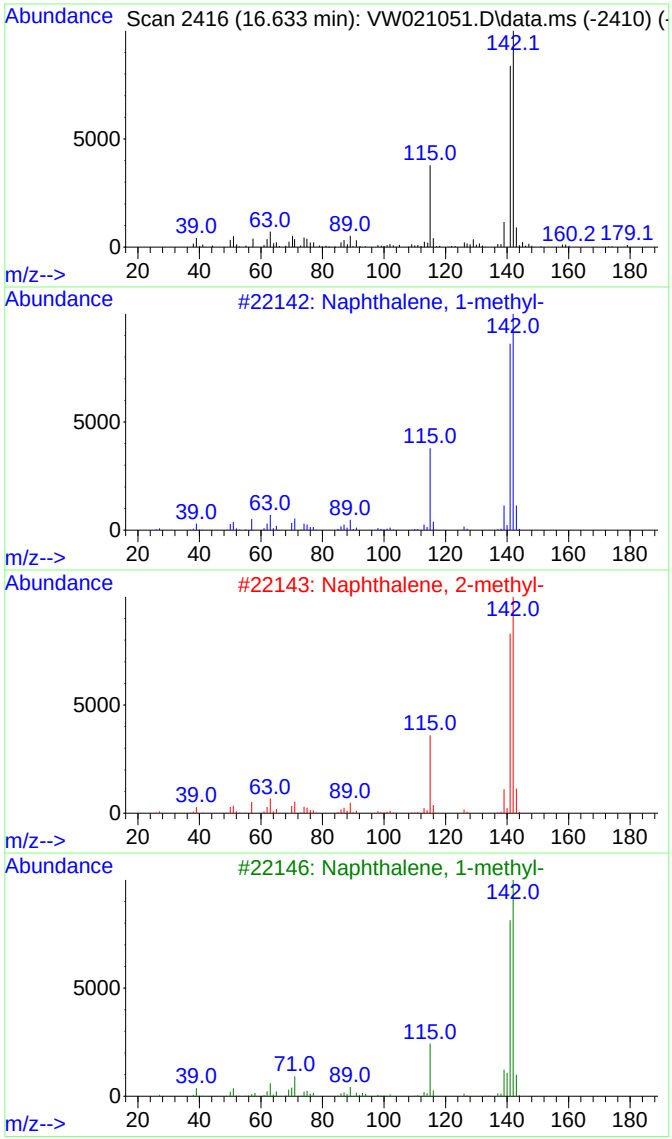
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

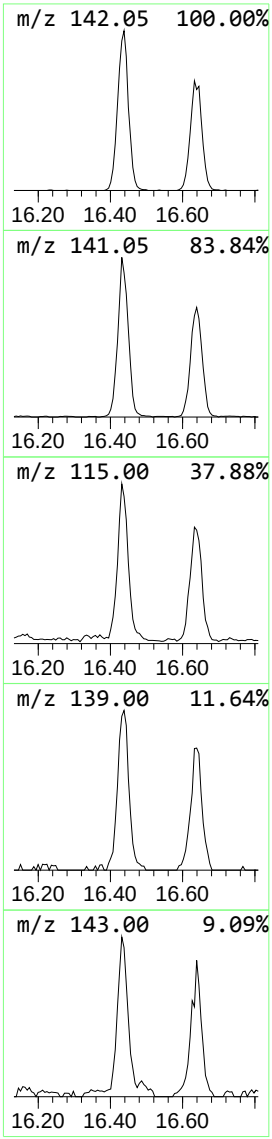
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.633	40.64 ug/L	138566	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021051.D
Acq On : 02 Dec 2021 16:49
Operator : SY/VA
Sample : M4886-15
Misc : 2.33g/10.0mL/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EX894

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.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
unknown-01	11.061	1.4	ug/L	8175	2	11.628	147006	25.0
Bicyclo[3.1.1]h...	12.469	1.3	ug/L	7540	2	11.628	147006	25.0
(DEL) Alkane: C...	12.774	2.2	ug/L	7378	3	13.554	85230	25.0
Benzene, (1-met...	12.865	2.1	ug/L	7062	3	13.554	85230	25.0
Propanoic acid,...	13.164	1.4	ug/L	4594	3	13.554	85230	25.0
p-Cymene	13.438	3.3	ug/L	11067	3	13.554	85230	25.0
Benzene, 1-meth...	13.786	12.6	ug/L	42837	3	13.554	85230	25.0
Benzene, 2-ethy...	14.005	3.0	ug/L	10312	3	13.554	85230	25.0
Benzene, 1-meth...	14.206	6.8	ug/L	23049	3	13.554	85230	25.0
unknown-02	14.249	4.6	ug/L	15579	3	13.554	85230	25.0
trans-Decalin, ...	14.377	5.9	ug/L	20151	3	13.554	85230	25.0
Benzene, 1-ethy...	14.450	7.0	ug/L	23847	3	13.554	85230	25.0
Benzene, 1,3-di...	14.499	5.6	ug/L	19180	3	13.554	85230	25.0
Naphthalene, de...	14.542	11.0	ug/L	37640	3	13.554	85230	25.0
1H-Indene, 2,3-...	14.682	5.5	ug/L	18567	3	13.554	85230	25.0
unknown-03	14.725	6.5	ug/L	22074	3	13.554	85230	25.0
3-Phenylbut-1-ene	14.804	27.8	ug/L	94883	3	13.554	85230	25.0
(DEL) Alkane: S...	15.322	6.4	ug/L	21833	3	13.554	85230	25.0
Azulene	15.359	10.2	ug/L	34870	3	13.554	85230	25.0
(DEL) Alkane: S...	15.730	5.8	ug/L	19726	3	13.554	85230	25.0
Naphthalene, 2-...	16.432	40.5	ug/L	137897	3	13.554	85230	25.0
Naphthalene, 1-...	16.633	40.6	ug/L	138566	3	13.554	85230	25.0