LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027111.D
Acq On : 14 Sep 2023 18:40
Operator : SY/MD
Sample : VIBLK510
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK510

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\SFAMWLM090523SMA.M
Title : SFAM01.0

Signal : TIC: VW027111.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.125	35	39	41	rBV5	2011	2999	0.07%	0.010%
2	2.149	41	43	45	rBV3	2022	1736	0.04%	0.006%
3	2.174	45	47	48	rBV2	2049	2181	0.05%	0.007%
4	2.222	49	55	56	rBV5	11661	17797	0.43%	0.058%
5	2.363	72	78	96	rVB	114799	325387	7.84%	1.069%
6	2.893	158	165	177	rBV	118251	341402	8.22%	1.122%
7	3.283	227	229	232	rVB4	2029	1984	0.05%	0.007%
8	3.320	233	235	239	rVB4	2350	2915	0.07%	0.010%
9	3.387	239	246	256	rBV3	12553	32461	0.78%	0.107%
10	3.527	266	269	271	rBV4	1117	1644	0.04%	0.005%
11	3.582	276	278	281	rVB4	2506	2302	0.06%	0.008%
12	3.606	281	282	285	rVB3	2219	1709	0.04%	0.006%
13	3.704	295	298	300	rBV4	1827	2418	0.06%	0.008%
14	3.771	307	309	311	rVB3	2300	1666	0.04%	0.005%
15	3.856	321	323	324	rBV2	1724	1726	0.04%	0.006%
16	3.923	332	334	337	rBV4	1302	1747	0.04%	0.006%
17	4.021	337	350	372	rBV	269638	969878	23.36%	3.188%
18	4.307	394	397	399	rVB4	1595	1855	0.04%	0.006%
19	4.332	399	401	402	rBV2	2815	1949	0.05%	0.006%
20	4.387	402	410	420	rVV	20600	57828	1.39%	0.190%
21	4.679	453	458	459	rBV4	1565	1620	0.04%	0.005%
22	4.929	484	499	514	rBV	62252	274966	6.62%	0.904%
23	5.082	520	524	525	rBV4	1718	1791	0.04%	0.006%
24	5.118	526	530	532	rBV5	3028	4079	0.10%	0.013%
25	5.265	552	554	556	rVV3	2231	2157	0.05%	0.007%
26	5.435	577	582	584	rBV6	1440	2705	0.07%	0.009%
27	5.484	587	590	593	rBV5	1229	1631	0.04%	0.005%
28	5.539	597	599	603	rVB4	1907	1942	0.05%	0.006%
29	5.612	607	611	612	rBV4	1768	1912	0.05%	0.006%
30	5.752	627	634	645	rVB8	8411	30654	0.74%	0.101%
31	5.941	651	665	675	rBV3	26286	78882	1.90%	0.259%
32	6.374	731	736	740	rVB8	1528	2717	0.07%	0.009%
33	6.557	763	766	768	rBV4	1371	2014	0.05%	0.007%
34	6.600	771	773	776	rVV4	1390	1779	0.04%	0.006%
35	6.904	818	823	824	rBV5	2440	2805	0.07%	0.009%
36	6.923	824	826	830	rBV4	1956	2156	0.05%	0.007%

LSC Area Percent Report

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Sample : VIBLK510
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK510

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\SFAMWLM090523SMA.M
Title : SFAM01.0

37	7.075	842	851	854	rVV	95141	224081	5.40%	0.736%
38	7.136	854	861	875	rVV	318566	944703	22.76%	3.105%
39	7.228	875	876	885	rVB9	3176	7274	0.18%	0.024%
40	7.526	921	925	928	rBV6	2190	3141	0.08%	0.010%
41	7.648	934	945	957	rBV	532507	1302417	31.38%	4.281%
42	7.947	990	994	996	rBV4	2247	2403	0.06%	0.008%
43	8.045	1006	1010	1012	rBV5	1088	1983	0.05%	0.007%
44	8.160	1025	1029	1030	rBV3	1723	2463	0.06%	0.008%
45	8.276	1035	1048	1064	rVV3	1288365	4151078	100.00%	13.643%
46	8.483	1077	1082	1084	rBV6	2050	3348	0.08%	0.011%
47	8.550	1090	1093	1094	rBV3	2074	2585	0.06%	0.008%
48	8.569	1094	1096	1099	rVB4	1841	1753	0.04%	0.006%
49	8.618	1099	1104	1107	rBV7	2427	5195	0.13%	0.017%
50	8.697	1112	1117	1121	rVB8	2672	4628	0.11%	0.015%
51	8.843	1131	1141	1150	rBV	878811	1794971	43.24%	5.899%
52	8.910	1150	1152	1155	rVV3	4090	5576	0.13%	0.018%
53	8.935	1155	1156	1159	rVV3	3452	2630	0.06%	0.009%
54	8.989	1163	1165	1169	rVB5	2977	3919	0.09%	0.013%
55	9.038	1169	1173	1174	rBV4	2207	3019	0.07%	0.010%
56	9.081	1174	1180	1186	rVV7	5759	14054	0.34%	0.046%
57	9.197	1197	1199	1203	rBV5	1442	2449	0.06%	0.008%
58	9.276	1203	1212	1221	rBV	718696	1469069	35.39%	4.828%
59	9.471	1241	1244	1248	rVB6	2510	2963	0.07%	0.010%
60	9.581	1260	1262	1264	rBV3	2198	1935	0.05%	0.006%
61	9.630	1267	1270	1271	rBV3	1382	1620	0.04%	0.005%
62	9.660	1273	1275	1279	rVV5	6562	9189	0.22%	0.030%
63	9.752	1287	1290	1294	rBV6	3250	5064	0.12%	0.017%
64	9.788	1294	1296	1297	rVB2	2873	1974	0.05%	0.006%
65	9.806	1297	1299	1300	rBV2	2823	1878	0.05%	0.006%
66	9.825	1300	1302	1304	rBV3	1580	1628	0.04%	0.005%
67	9.849	1304	1306	1308	rBV3	1561	1821	0.04%	0.006%
68	9.892	1308	1313	1320	rBV4	9687	23151	0.56%	0.076%
69	9.989	1321	1329	1330	rBV6	14202	23641	0.57%	0.078%
70	10.032	1330	1336	1344	rVB	382815	679894	16.38%	2.235%
71	10.203	1362	1364	1365	rBV2	5042	3921	0.09%	0.013%
72	10.325	1376	1384	1392	rBV	1585067	2830612	68.19%	9.303%
73	10.575	1419	1425	1433	rBV	245092	434121	10.46%	1.427%
74	10.703	1439	1446	1453	rBV	259600	485093	11.69%	1.594%
75	10.849	1465	1470	1475	rBV4	23358	45047	1.09%	0.148%
76	10.922	1476	1482	1496	rVV	283747	556275	13.40%	1.828%

LSC Area Percent Report

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Sample : VIBLK510
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK510

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\SFAMWLM090523SMA.M
Title : SFAM01.0

77	11.062	1500	1505	1512	rVB	53089	96632	2.33%	0.318%
78	11.172	1519	1523	1529	rVB4	30330	50723	1.22%	0.167%
79	11.434	1558	1566	1575	rVB2	98466	210983	5.08%	0.693%
80	11.629	1591	1598	1606	rBV	1316181	2237288	53.90%	7.353%
81	12.373	1713	1720	1721	rBV4	29365	65140	1.57%	0.214%
82	12.471	1732	1736	1744	rVB3	65568	118307	2.85%	0.389%
83	12.605	1752	1758	1765	rVB	198520	325993	7.85%	1.071%
84	12.690	1766	1772	1778	rBV	684813	1133071	27.30%	3.724%
85	12.836	1783	1796	1809	rVB5	142320	787420	18.97%	2.588%
86	13.269	1854	1867	1880	rBV2	362213	1497281	36.07%	4.921%
87	13.415	1885	1891	1904	rVB3	162392	555821	13.39%	1.827%
88	13.556	1908	1914	1921	rBV	1620114	2528579	60.91%	8.311%
89	13.848	1955	1962	1968	rBV	1557379	2545679	61.33%	8.367%
90	14.062	1992	1997	2006	rVB2	63359	124738	3.00%	0.410%
91	14.190	2016	2018	2020	rBV3	9043	11515	0.28%	0.038%
92	14.257	2027	2029	2030	rBV2	12276	8942	0.22%	0.029%
93	14.726	2101	2106	2113	rBV6	33400	82895	2.00%	0.272%
94	15.062	2150	2161	2170	rBV6	71702	286061	6.89%	0.940%
95	15.354	2207	2209	2212	rBV4	11432	16715	0.40%	0.055%
96	15.433	2217	2222	2224	rBV	56151	100328	2.42%	0.330%
97	15.549	2237	2241	2242	rBV2	17676	23747	0.57%	0.078%
98	15.909	2294	2300	2302	rBV4	35700	68791	1.66%	0.226%
99	16.433	2380	2386	2390	rBV	60214	120354	2.90%	0.396%
100	16.634	2412	2419	2431	rVB3	66421	179164	4.32%	0.589%

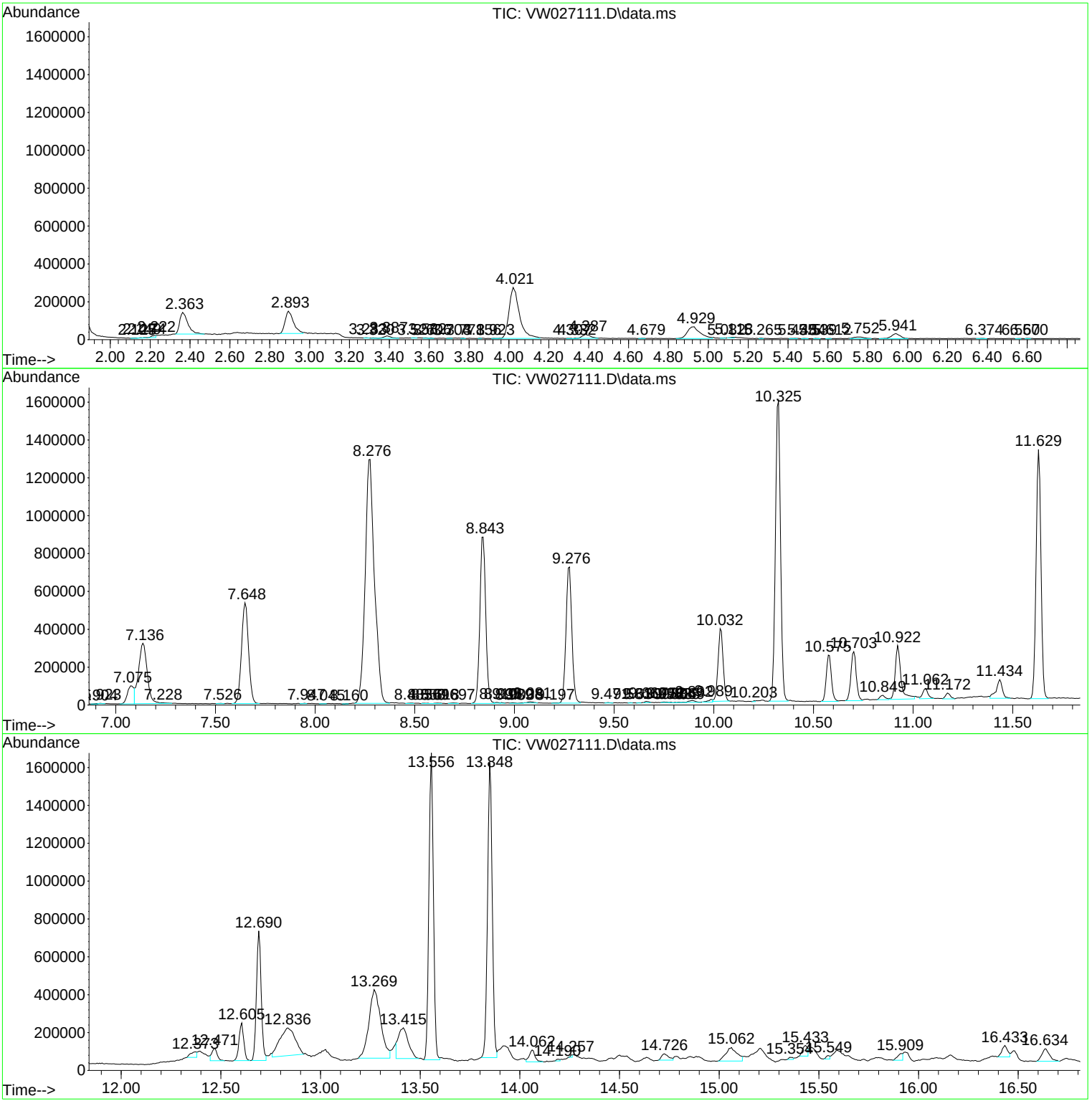
Sum of corrected areas: 30426127

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027111.D
Acq On : 14 Sep 2023 18:40
Operator : SY/MD
Sample : VIBLK510
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK510

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027111.D
Acq On : 14 Sep 2023 18:40
Operator : SY/MD
Sample : VIBLK510
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK510

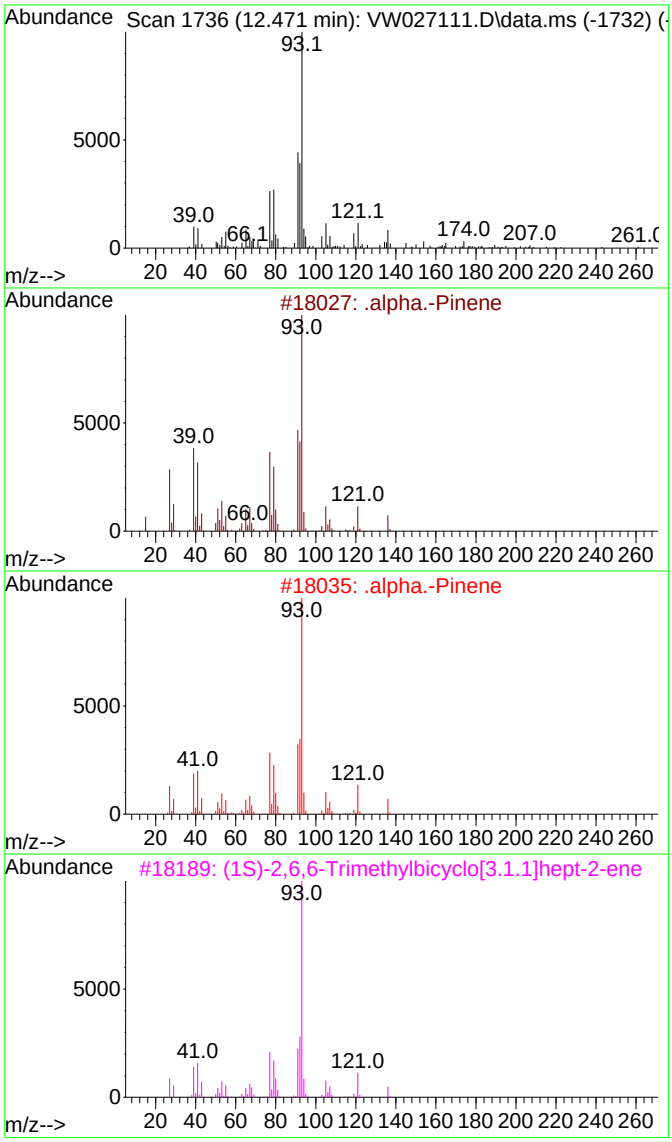
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

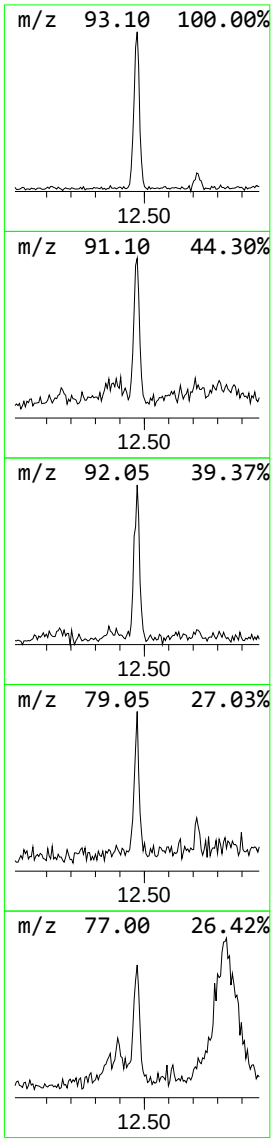
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 .alpha.-Pinene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.470	1.32 ug/L	118307	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	91
2	.alpha.-Pinene	136	C10H16	000080-56-8	91
3	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	86
4	.alpha.-Pinene	136	C10H16	000080-56-8	80
5	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027111.D
Acq On : 14 Sep 2023 18:40
Operator : SY/MD
Sample : VIBLK510
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK510

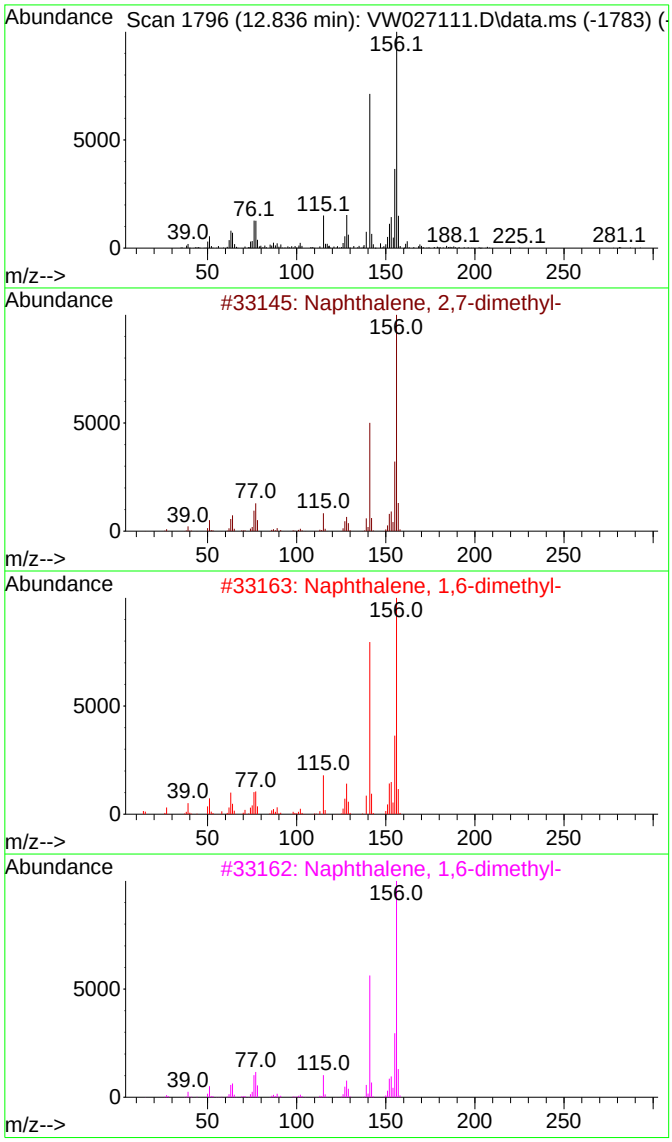
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

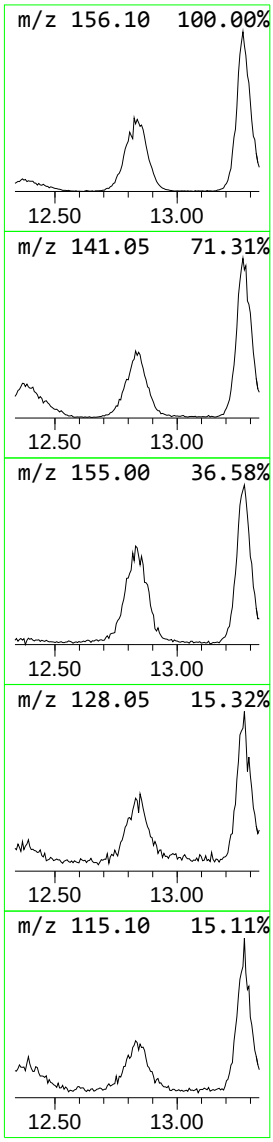
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 2,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.836	7.79 ug/L	787420	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027111.D
Acq On : 14 Sep 2023 18:40
Operator : SY/MD
Sample : VIBLK510
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK510

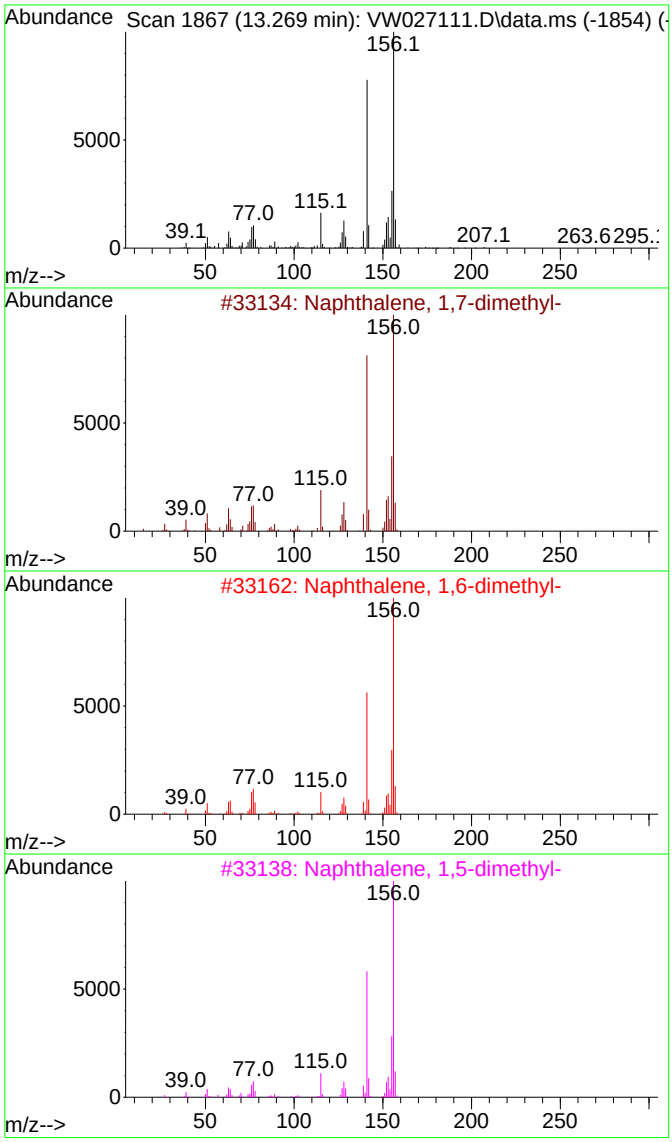
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

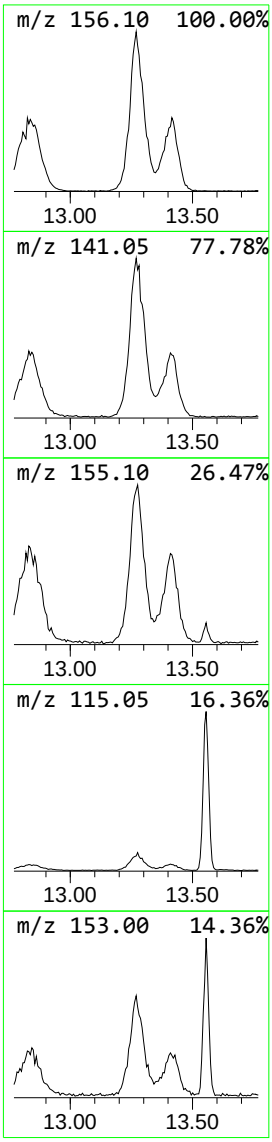
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 1,7-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.269	14.80 ug/L	1497280	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027111.D
Acq On : 14 Sep 2023 18:40
Operator : SY/MD
Sample : VIBLK510
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK510

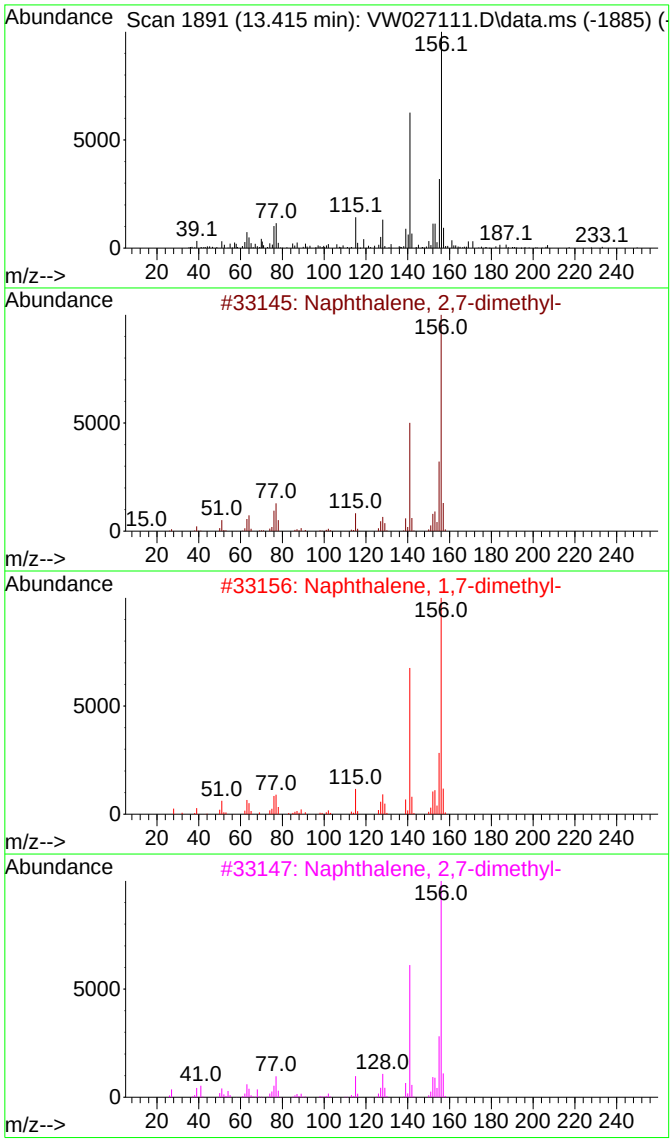
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

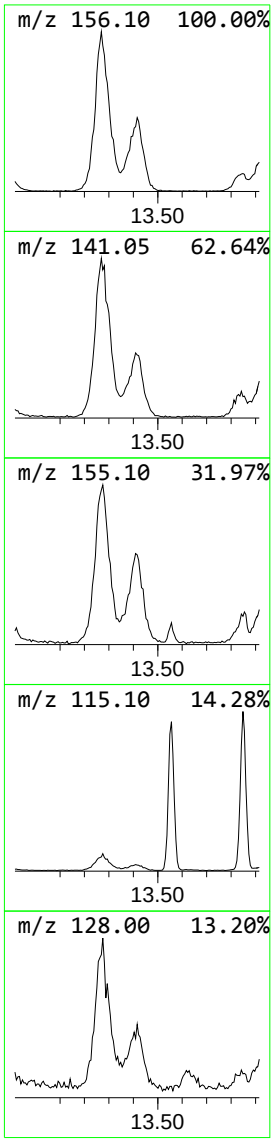
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 1,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.416	5.50 ug/L	555821	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	91
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	91
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027111.D
Acq On : 14 Sep 2023 18:40
Operator : SY/MD
Sample : VIBLK510
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK510

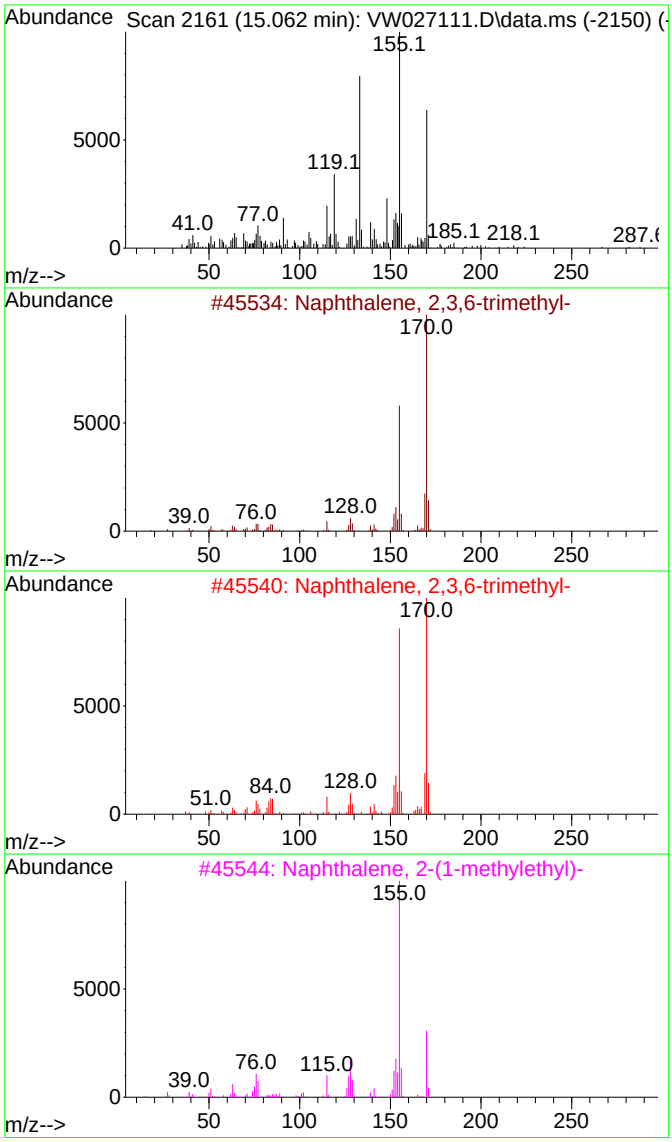
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

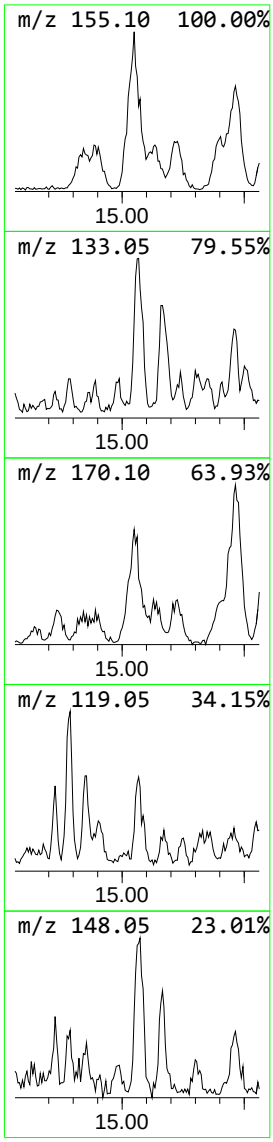
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 2,3,6-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.062	2.83 ug/L	286061	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	50
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	45
3	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	43
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	43
5	5-Acetyl-2-thiophenecarboxylic acid	170	C7H6O3S	004066-41-5	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027111.D
Acq On : 14 Sep 2023 18:40
Operator : SY/MD
Sample : VIBLK510
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK510

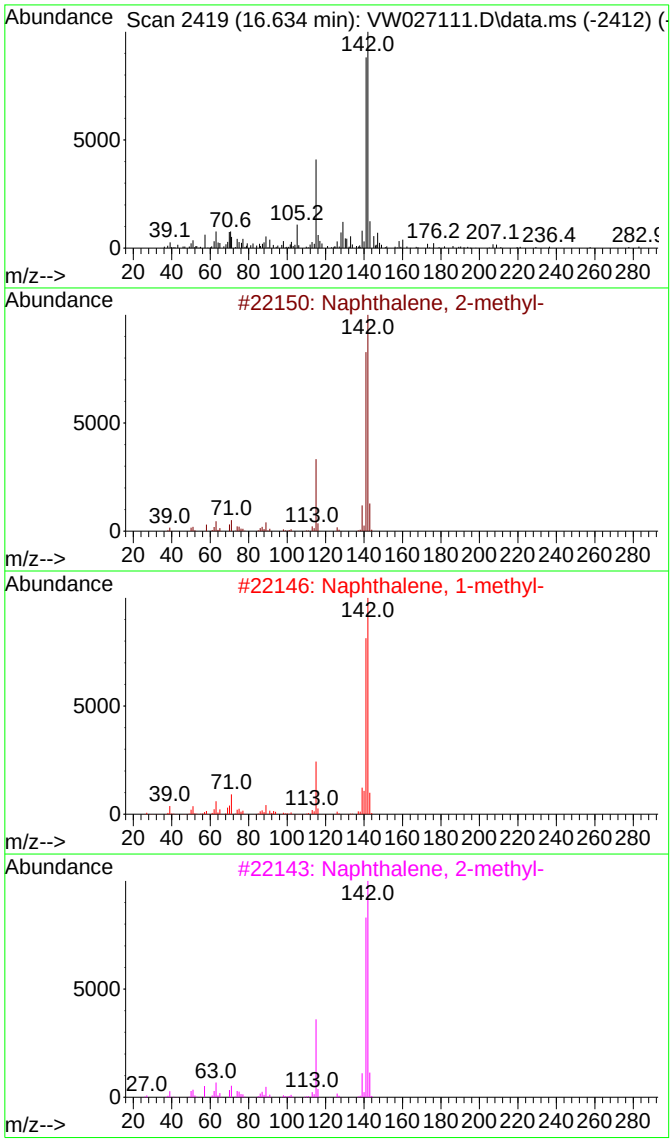
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0

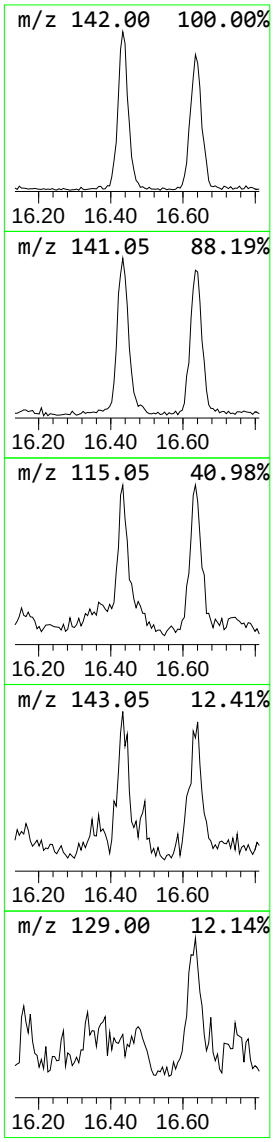
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Naphthalene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.634	1.77 ug/L	179164	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	87
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	87
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	87
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
Data File : VW027111.D
Acq On : 14 Sep 2023 18:40
Operator : SY/MD
Sample : VIBLK510
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VIBLK510

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.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
.alpha.-Pinene	12.470	1.3	ug/L	118307	2	11.629	2237290	25.0
Naphthalene, 2,...	12.836	7.8	ug/L	787420	3	13.556	2528580	25.0
Naphthalene, 1,...	13.269	14.8	ug/L	1497280	3	13.556	2528580	25.0
Naphthalene, 1,...	13.416	5.5	ug/L	555821	3	13.556	2528580	25.0
Naphthalene, 2,...	15.062	2.8	ug/L	286061	3	13.556	2528580	25.0
Naphthalene, 2-...	16.634	1.8	ug/L	179164	3	13.556	2528580	25.0