LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122821\
Data File : VW021677.D
Acq On : 28 Dec 2021 19:10
Operator : SY/VA
Sample : M5213-03
Misc : 5.34g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD5

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\SFAMWLM122821SMA.M
Title : SFAM01.0

Signal : TIC: VW021677.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.343	67	72	81	rVB	60625	99673	1.60%	0.370%
2	2.879	153	160	169	rVB	31279	65702	1.05%	0.244%
3	3.379	240	242	244	rBV	351	336	0.01%	0.001%
4	3.641	283	285	287	rVB	215	147	0.00%	0.001%
5	3.696	293	294	299	rVB	333	260	0.00%	0.001%
6	3.836	315	317	318	rBV2	260	190	0.00%	0.001%
7	4.013	334	346	361	rBV	61653	179134	2.87%	0.665%
8	4.153	361	369	380	rBV	4236	12763	0.20%	0.047%
9	4.367	399	404	405	rBV2	468	644	0.01%	0.002%
10	4.477	421	422	424	rVB	203	147	0.00%	0.001%
11	4.501	424	426	428	rBV2	158	175	0.00%	0.001%
12	4.574	437	438	440	rBV	210	174	0.00%	0.001%
13	4.916	484	494	506	rVV3	7864	25501	0.41%	0.095%
14	5.336	562	563	564	rBV	312	186	0.00%	0.001%
15	5.428	574	578	579	rBV	247	347	0.01%	0.001%
16	5.684	617	620	625	rBV2	173	335	0.01%	0.001%
17	5.775	631	635	637	rBV3	515	858	0.01%	0.003%
18	5.848	646	647	649	rBV	216	144	0.00%	0.001%
19	5.940	654	662	673	rVB4	1323	3822	0.06%	0.014%
20	6.171	699	700	705	rVB2	367	405	0.01%	0.002%
21	6.281	716	718	722	rBV2	130	196	0.00%	0.001%
22	6.318	722	724	727	rVB2	201	240	0.00%	0.001%
23	6.373	731	733	738	rVB2	236	318	0.01%	0.001%
24	6.519	754	757	758	rBV	203	174	0.00%	0.001%
25	6.623	773	774	776	rBV2	240	238	0.00%	0.001%
26	6.988	831	834	836	rBV2	339	393	0.01%	0.001%
27	7.086	842	850	858	rBV2	8115	23598	0.38%	0.088%
28	7.513	915	920	922	rBV2	205	357	0.01%	0.001%
29	7.647	932	942	955	rVB	80162	196543	3.15%	0.729%
30	7.793	964	966	969	rBV2	185	231	0.00%	0.001%
31	7.830	969	972	973	rVV2	198	226	0.00%	0.001%
32	8.177	1027	1029	1032	rBV	210	230	0.00%	0.001%
33	8.202	1032	1033	1035	rBV	186	159	0.00%	0.001%
34	8.275	1035	1045	1060	rBV2	156291	472082	7.57%	1.752%
35	8.659	1106	1108	1110	rVV2	222	204	0.00%	0.001%
36	8.707	1110	1116	1125	rVV2	4221	9764	0.16%	0.036%

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD5

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\SFAMWLM122821SMA.M
Title : SFAM01.0

37	8.781	1125	1128	1130	rVV2	222	327	0.01%	0.001%
38	8.842	1130	1138	1149	rVV	145119	283978	4.55%	1.054%
39	8.957	1155	1157	1159	rBV2	167	146	0.00%	0.001%
40	9.049	1170	1172	1174	rVB	243	179	0.00%	0.001%
41	9.085	1176	1178	1179	rBV	288	166	0.00%	0.001%
42	9.110	1179	1182	1185	rBV	209	244	0.00%	0.001%
43	9.146	1185	1188	1192	rBV2	291	421	0.01%	0.002%
44	9.274	1195	1209	1218	rVB	102494	204476	3.28%	0.759%
45	9.342	1218	1220	1225	rBV2	484	623	0.01%	0.002%
46	9.415	1226	1232	1240	rVV5	1771	4126	0.07%	0.015%
47	9.500	1244	1246	1247	rVB	301	151	0.00%	0.001%
48	9.512	1247	1248	1252	rBV2	329	351	0.01%	0.001%
49	9.652	1269	1271	1277	rBV2	304	436	0.01%	0.002%
50	9.713	1277	1281	1282	rBV	218	245	0.00%	0.001%
51	9.915	1312	1314	1317	rBV	201	251	0.00%	0.001%
52	9.957	1320	1321	1324	rBV	396	331	0.01%	0.001%
53	10.037	1324	1334	1343	rVV	61832	110598	1.77%	0.410%
54	10.213	1358	1363	1368	rBV3	741	1303	0.02%	0.005%
55	10.323	1373	1381	1388	rBV	233782	420347	6.74%	1.560%
56	10.384	1388	1391	1395	rVB	5188	7822	0.13%	0.029%
57	10.506	1407	1411	1415	rBV3	1932	2525	0.04%	0.009%
58	10.579	1416	1423	1430	rVB	39307	66942	1.07%	0.248%
59	10.701	1440	1443	1448	rVB3	851	1266	0.02%	0.005%
60	10.817	1461	1462	1463	rBV	320	216	0.00%	0.001%
61	10.853	1466	1468	1474	rVB5	936	1414	0.02%	0.005%
62	10.927	1474	1480	1492	rVB	42460	71954	1.15%	0.267%
63	11.073	1492	1504	1515	rBV	17454	32818	0.53%	0.122%
64	11.177	1517	1521	1525	rBV3	1256	2080	0.03%	0.008%
65	11.231	1525	1530	1536	rVB2	3129	5043	0.08%	0.019%
66	11.274	1536	1537	1542	rVB2	341	469	0.01%	0.002%
67	11.341	1542	1548	1552	rBV2	3216	5821	0.09%	0.022%
68	11.408	1552	1559	1570	rVB5	8775	21363	0.34%	0.079%
69	11.512	1570	1576	1585	rVB2	8351	14658	0.23%	0.054%
70	11.628	1585	1595	1603	rBV	220624	370681	5.94%	1.376%
71	11.731	1604	1612	1620	rBV	892862	1401084	22.46%	5.200%
72	11.835	1621	1629	1639	rBV	3775372	6237768	100.00%	23.150%
73	11.975	1648	1652	1654	rBV5	1673	2659	0.04%	0.010%
74	12.061	1662	1666	1671	rVB3	8349	13067	0.21%	0.048%
75	12.164	1673	1683	1690	rBV	1138542	1831782	29.37%	6.798%
76	12.250	1693	1697	1702	rVB	43282	63654	1.02%	0.236%

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Misc : 5.34g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD5

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

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
Title : SFAM01.0

77	12.359	1702	1715	1723	rBV6	33251	148604	2.38%	0.552%
78	12.463	1728	1732	1735	rBV	40392	64087	1.03%	0.238%
79	12.646	1759	1762	1765	rBV	38839	48713	0.78%	0.181%
80	12.695	1765	1770	1775	rVB	83619	137200	2.20%	0.509%
81	12.798	1784	1787	1792	rVB	148815	229921	3.69%	0.853%
82	12.865	1792	1798	1801	rBV	733119	1160785	18.61%	4.308%
83	12.938	1806	1810	1816	rVB2	716311	1206561	19.34%	4.478%
84	13.103	1832	1837	1843	rVB	365300	587907	9.42%	2.182%
85	13.164	1843	1847	1854	rBV2	97188	139169	2.23%	0.516%
86	13.249	1855	1861	1867	rBV	2565934	3700577	59.33%	13.734%
87	13.585	1907	1916	1930	rVB2	994905	2210293	35.43%	8.203%
88	13.755	1939	1944	1947	rBV3	677374	1162516	18.64%	4.314%
89	13.853	1957	1960	1968	rVB3	260170	624821	10.02%	2.319%
90	14.005	1981	1985	1988	rBV	188056	305316	4.89%	1.133%
91	14.091	1995	1999	2007	rVB	302331	458578	7.35%	1.702%
92	14.200	2012	2017	2022	rVB2	212591	343197	5.50%	1.274%
93	14.335	2036	2039	2043	rVB2	111286	153055	2.45%	0.568%
94	14.456	2056	2059	2062	rVB	218795	276959	4.44%	1.028%
95	14.688	2093	2097	2099	rBV2	46770	74980	1.20%	0.278%
96	14.792	2108	2114	2121	rBV3	220792	496663	7.96%	1.843%
97	14.956	2137	2141	2146	rVB	77930	119661	1.92%	0.444%
98	15.359	2202	2207	2218	rVB	364934	640481	10.27%	2.377%
99	16.432	2377	2383	2404	rVB	119034	278295	4.46%	1.033%
100	16.639	2410	2417	2429	rVB	40411	96707	1.55%	0.359%

Sum of corrected areas: 26944727

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122821\
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Operator : SY/VA
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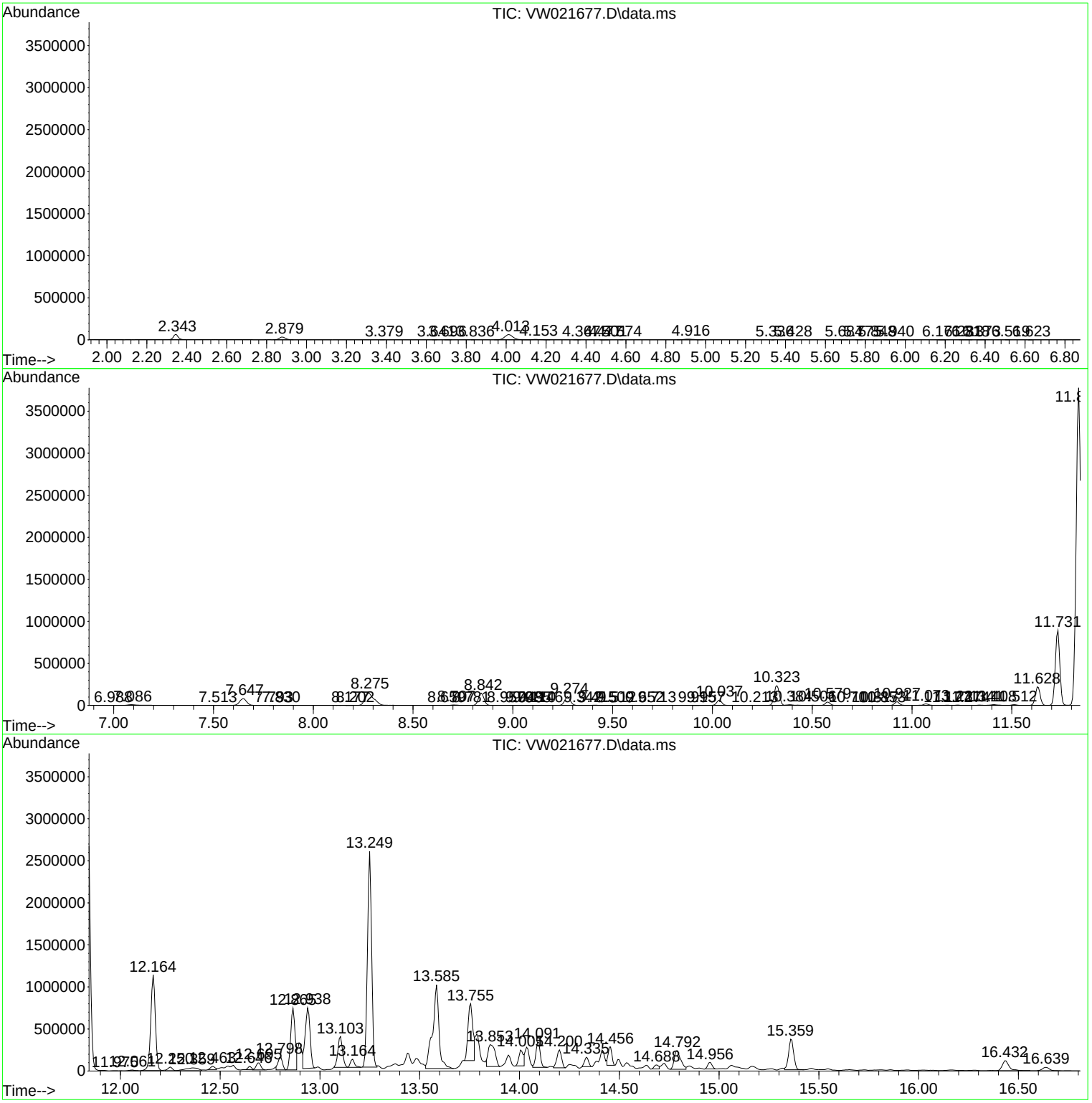
Misc : 5.34g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122821\
Data File : VW021677.D
Acq On : 28 Dec 2021 19:10
Operator : SY/VA
Sample : M5213-03
Misc : 5.34g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
Quant Title : SFAM01.0

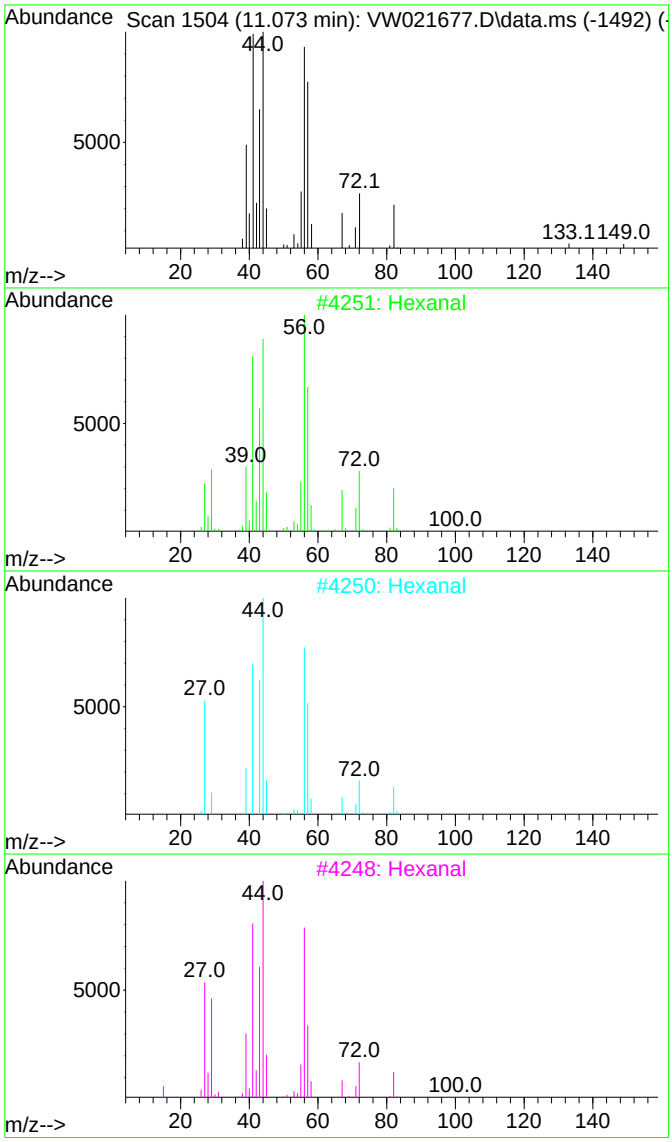
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

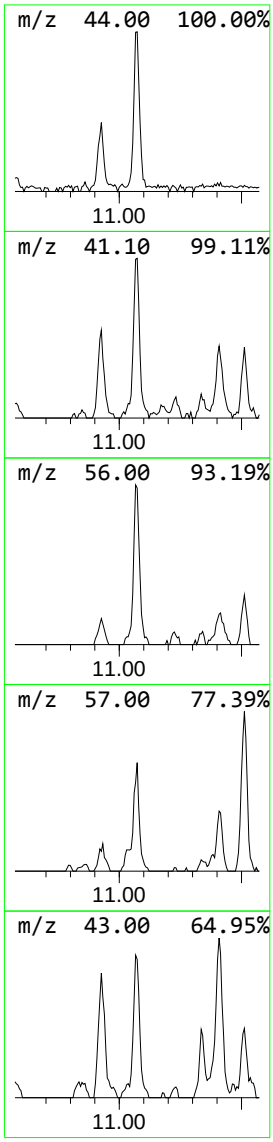
****

Peak Number 3 Hexanal Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.073	2.21 ug/L	32818	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	72
2	Hexanal	100	C6H12O	000066-25-1	59
3	Hexanal	100	C6H12O	000066-25-1	59
4	Hexanal	100	C6H12O	000066-25-1	59
5	Hexanal	100	C6H12O	000066-25-1	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122821\
Data File : VW021677.D
Acq On : 28 Dec 2021 19:10
Operator : SY/VA
Sample : M5213-03
Misc : 5.34g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD5

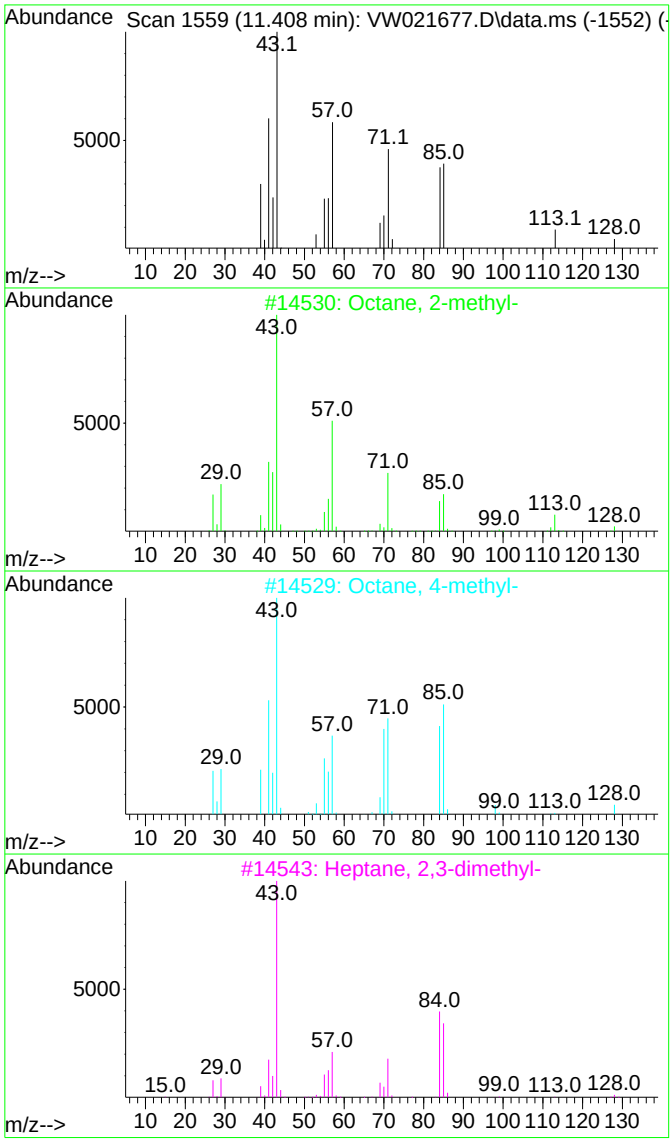
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
Quant Title : SFAM01.0

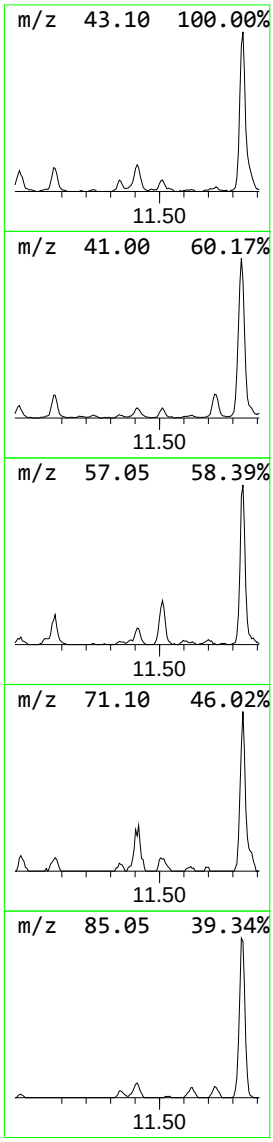
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.408	1.44 ug/L	21363	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	86
2	Octane, 4-methyl-	128	C9H20	002216-34-4	64
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64
4	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	53
5	Octane, 2-methyl-	128	C9H20	003221-61-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122821\
Data File : VW021677.D
Acq On : 28 Dec 2021 19:10
Operator : SY/VA
Sample : M5213-03
Misc : 5.34g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD5

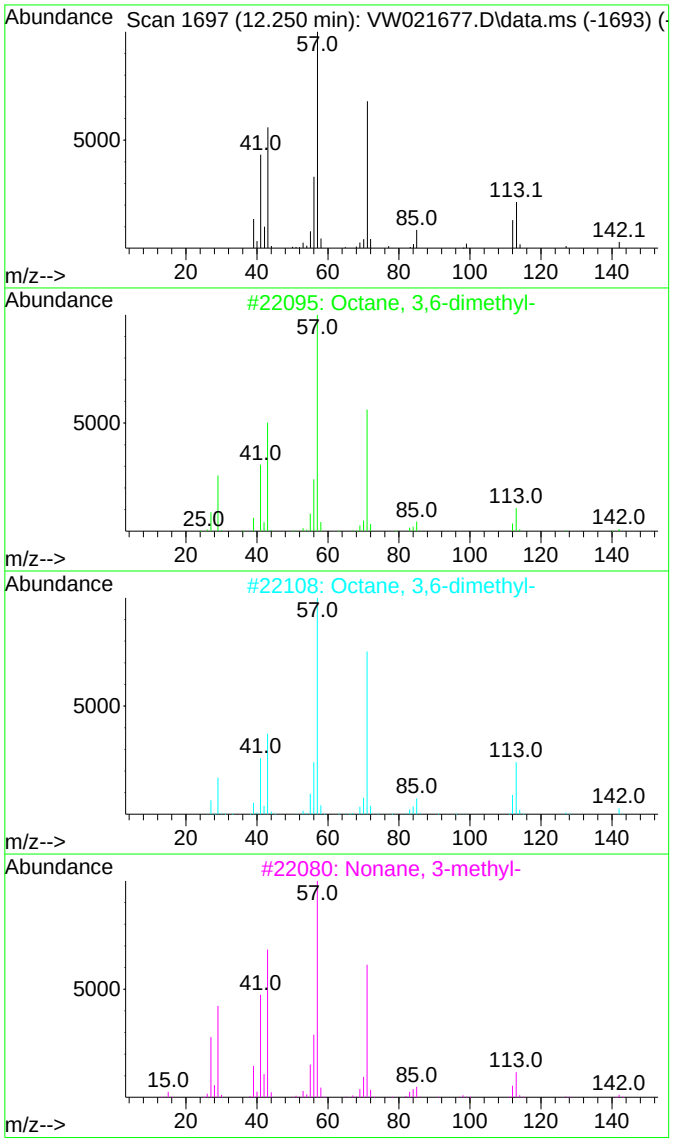
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
Quant Title : SFAM01.0

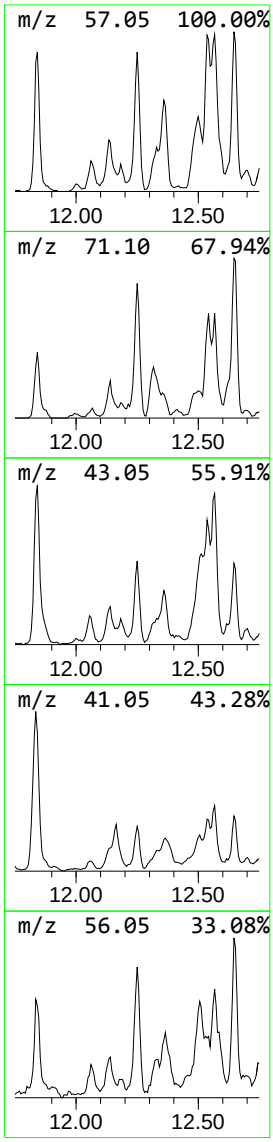
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.250	4.29 ug/L	63654	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122821\
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Acq On : 28 Dec 2021 19:10
Operator : SY/VA
Sample : M5213-03
Misc : 5.34g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD5

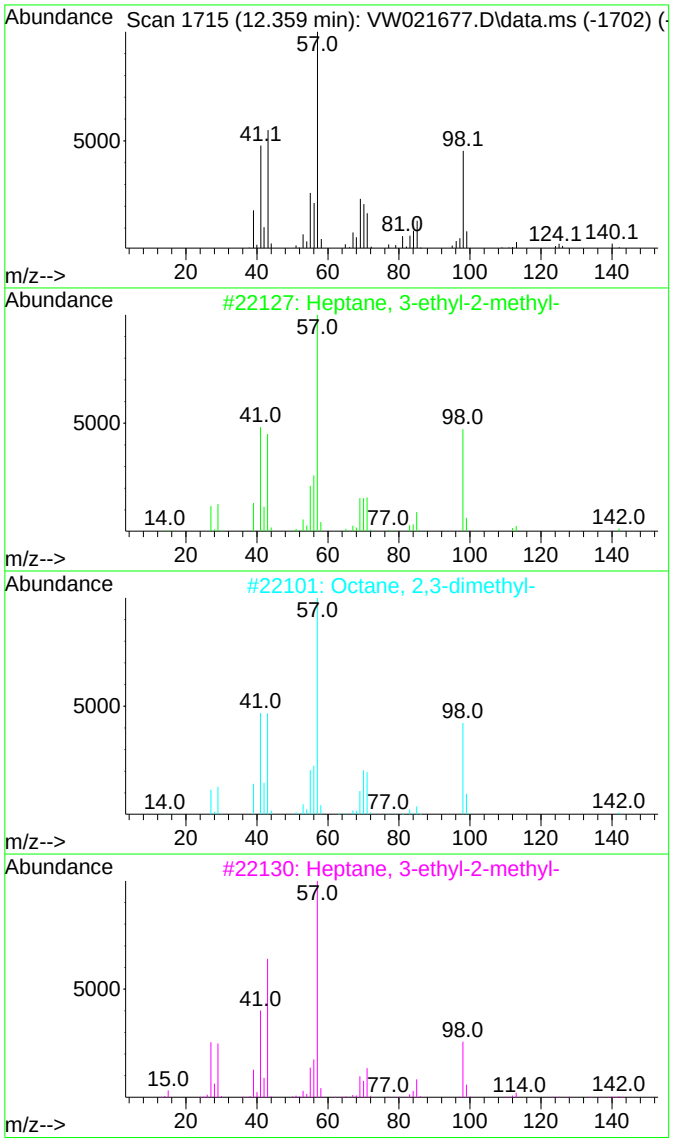
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
Quant Title : SFAM01.0

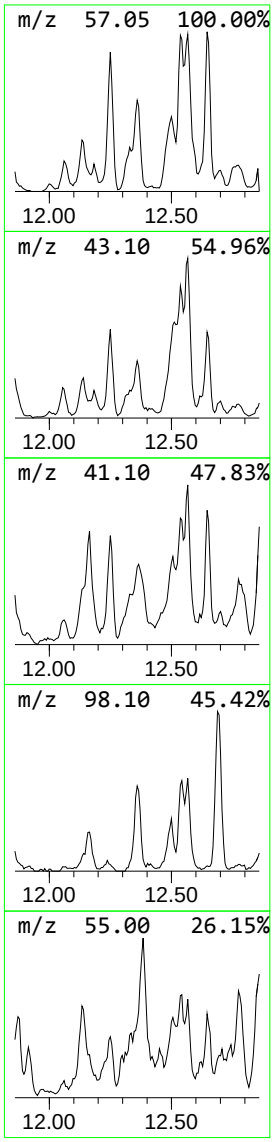
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.359	10.02 ug/L	148604	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	81
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	74
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	74
4	Heptane, 3-ethyl-	128	C9H20	015869-80-4	59
5	Carbonic acid, heptyl vinyl ester	186	C10H18O3	1010383-25-4	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122821\
Data File : VW021677.D
Acq On : 28 Dec 2021 19:10
Operator : SY/VA
Sample : M5213-03
Misc : 5.34g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
Quant Title : SFAM01.0

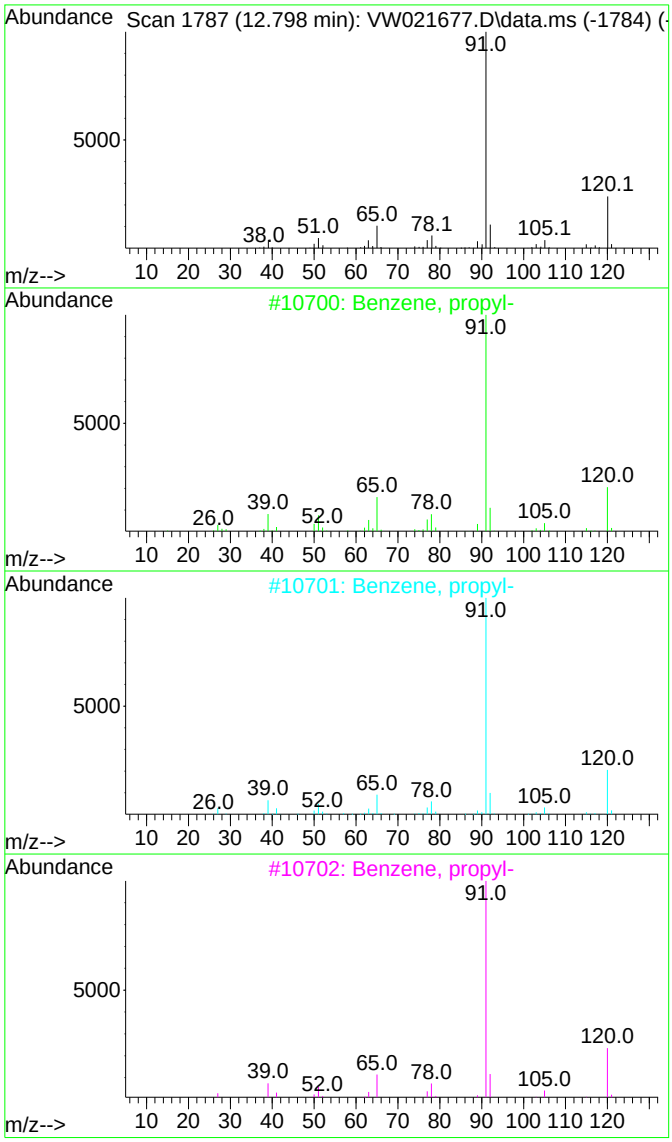
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

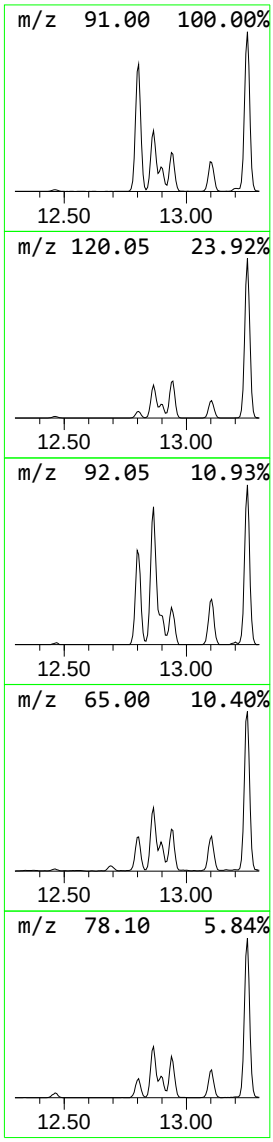
****

Peak Number 7 Benzene, propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.798	2.60 ug/L	229921	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	90
4	Benzene, propyl-	120	C9H12	000103-65-1	83
5	1-hexanol, 6-[(phenylmethyl)amino]-	207	C13H21NO	1000400-55-6	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122821\
Data File : VW021677.D
Acq On : 28 Dec 2021 19:10
Operator : SY/VA
Sample : M5213-03
Misc : 5.34g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD5

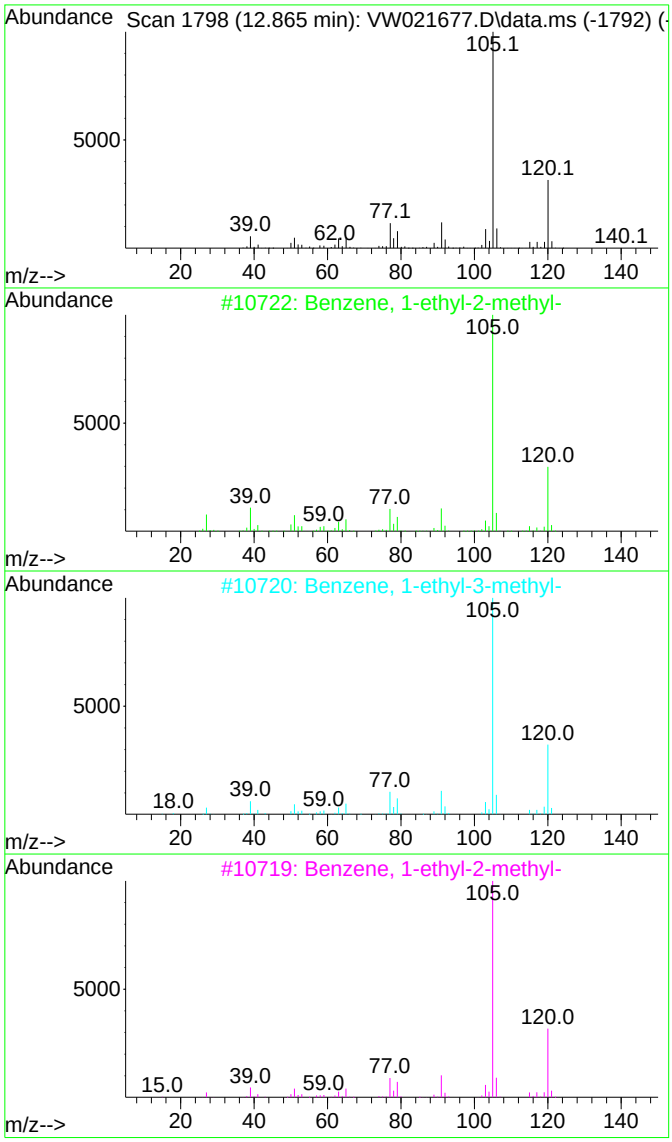
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
Quant Title : SFAM01.0

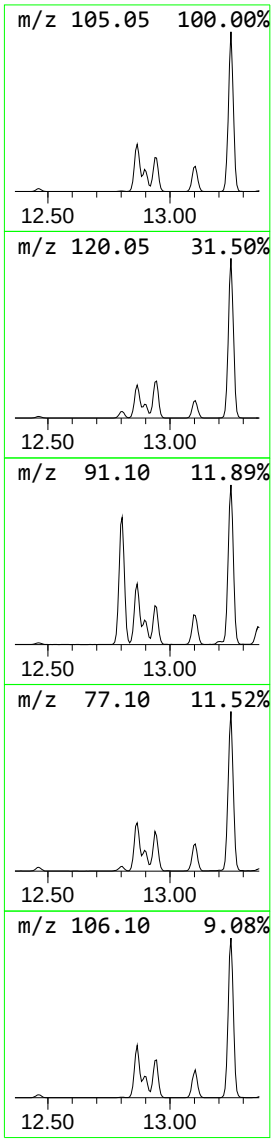
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	13.13 ug/L	1160790	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94





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Data File : VW021677.D
Acq On : 28 Dec 2021 19:10
Operator : SY/VA
Sample : M5213-03
Misc : 5.34g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD5

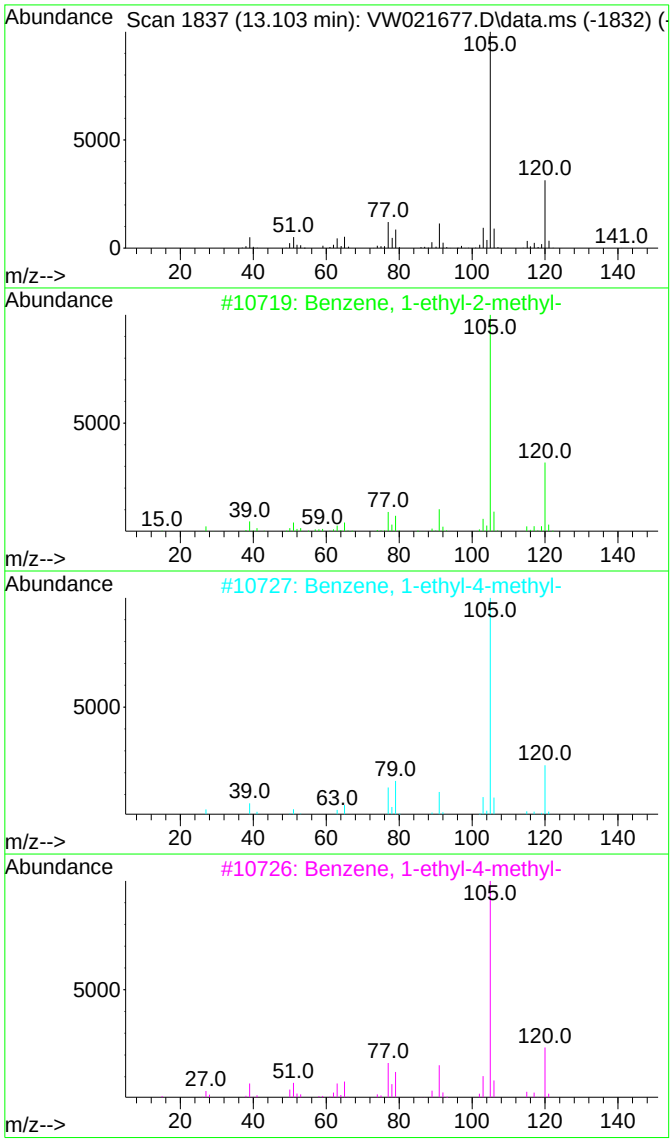
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
Quant Title : SFAM01.0

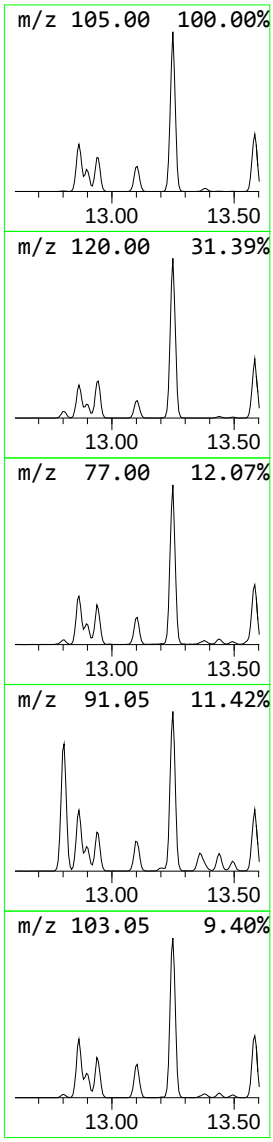
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethyl-4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	6.65 ug/L	587907	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122821\
Data File : VW021677.D
Acq On : 28 Dec 2021 19:10
Operator : SY/VA
Sample : M5213-03
Misc : 5.34g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD5

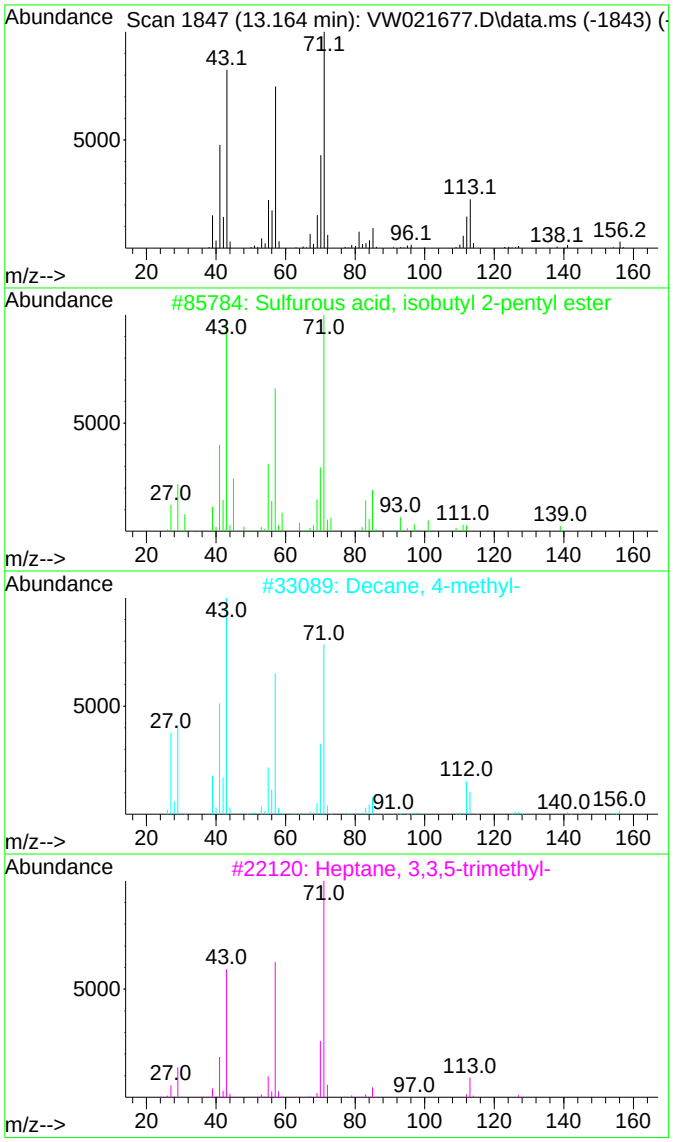
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
Quant Title : SFAM01.0

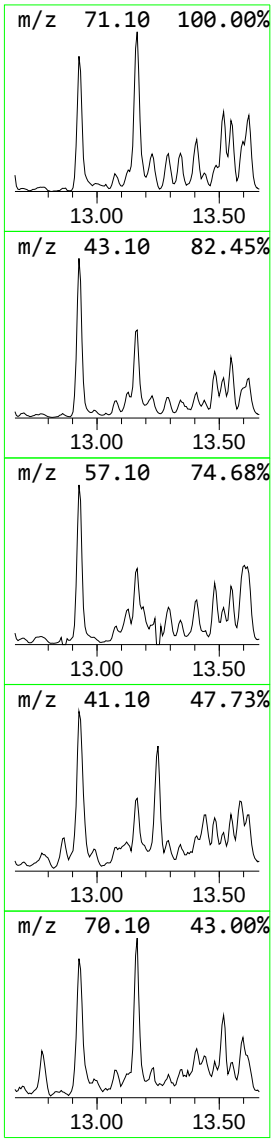
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Sulfurous acid, isobutyl 2-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	1.57 ug/L	139169	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, isobutyl 2-penty...	208	C9H20O3S	1000309-15-2	72
2	Decane, 4-methyl-	156	C11H24	002847-72-5	72
3	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
5	Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122821\
Data File : VW021677.D
Acq On : 28 Dec 2021 19:10
Operator : SY/VA
Sample : M5213-03
Misc : 5.34g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD5

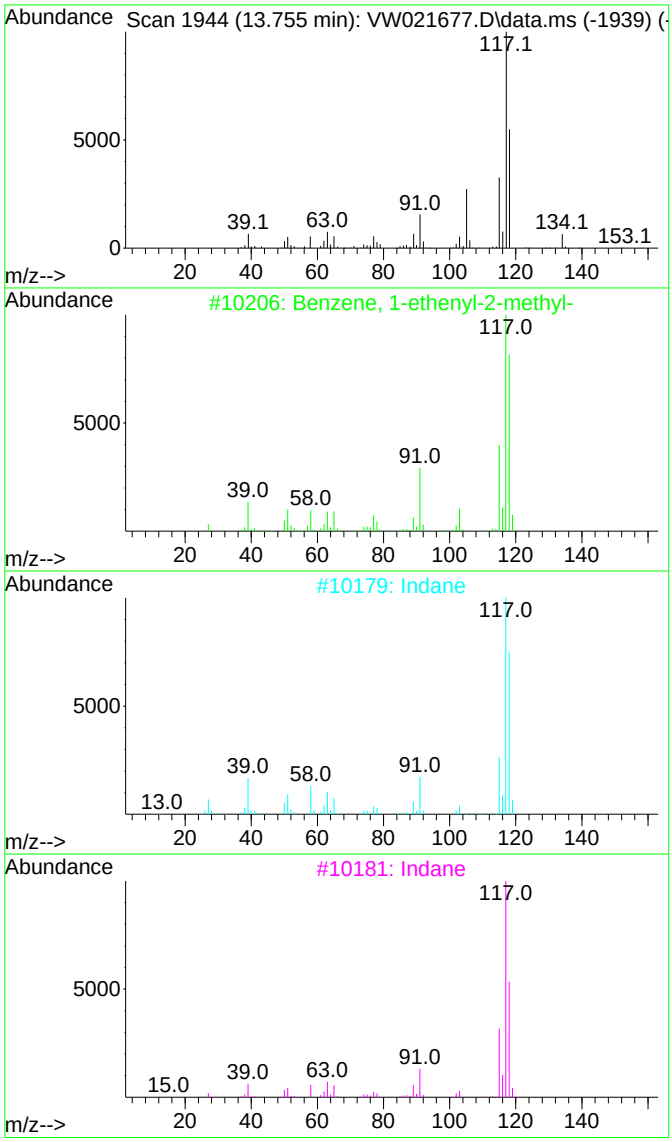
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
Quant Title : SFAM01.0

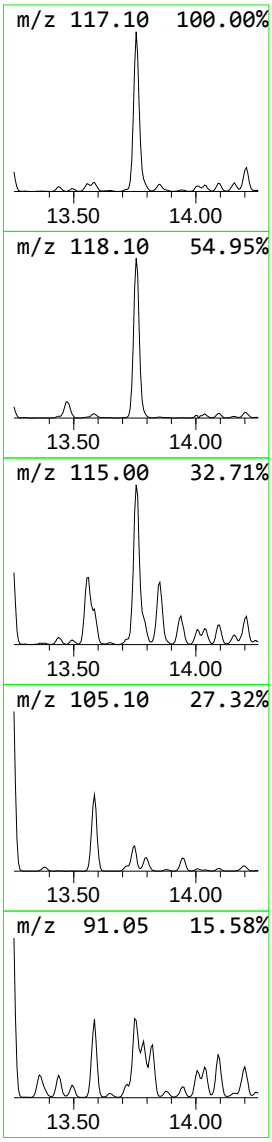
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 1-ethenyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.755	13.15 ug/L	1162520	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	86
2	Indane	118	C9H10	000496-11-7	76
3	Indane	118	C9H10	000496-11-7	76
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
5	Indane	118	C9H10	000496-11-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122821\
Data File : VW021677.D
Acq On : 28 Dec 2021 19:10
Operator : SY/VA
Sample : M5213-03
Misc : 5.34g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD5

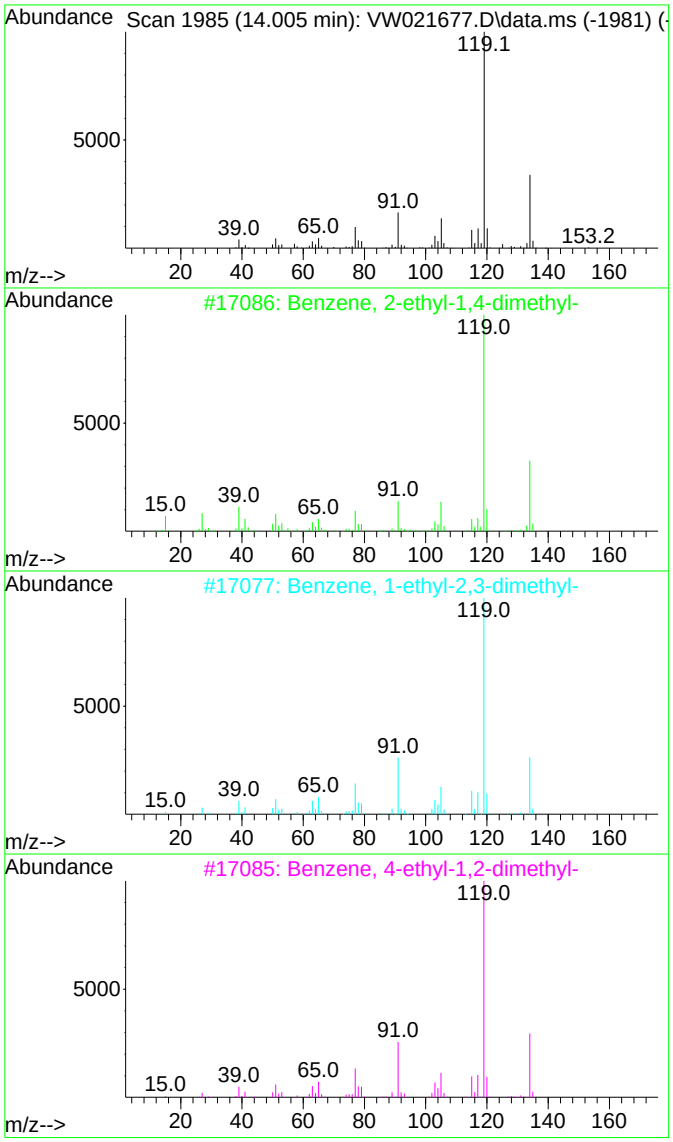
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
Quant Title : SFAM01.0

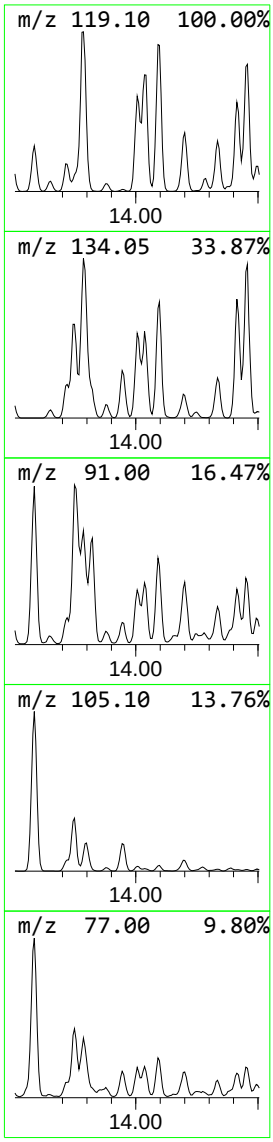
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.005	3.45 ug/L	305316	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122821\
Data File : VW021677.D
Acq On : 28 Dec 2021 19:10
Operator : SY/VA
Sample : M5213-03
Misc : 5.34g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD5

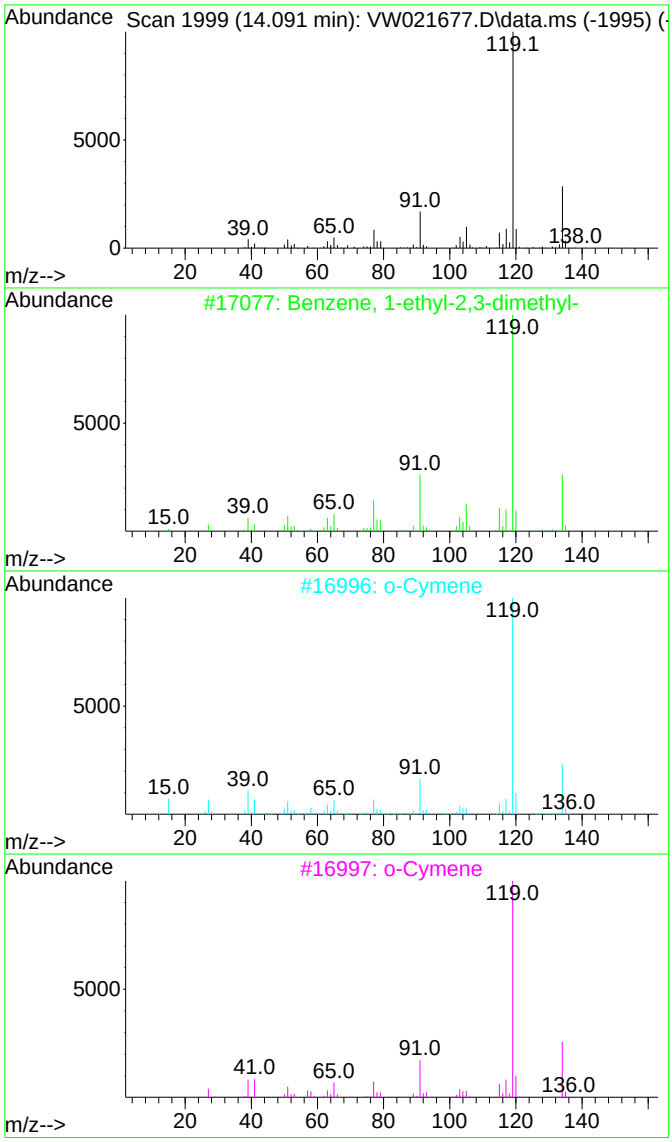
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
Quant Title : SFAM01.0

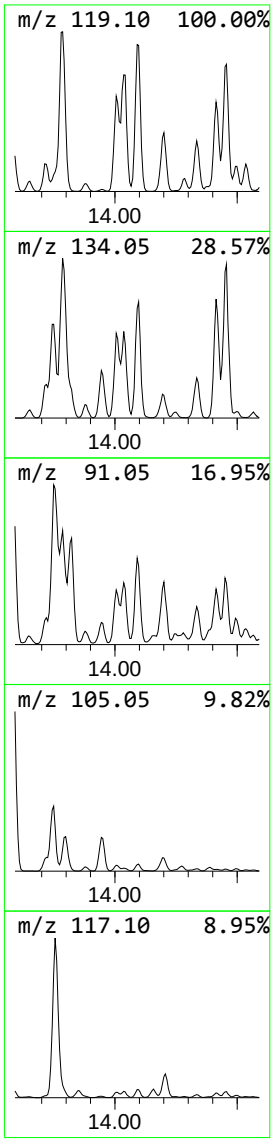
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.091	5.19 ug/L	458578	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122821\
Data File : VW021677.D
Acq On : 28 Dec 2021 19:10
Operator : SY/VA
Sample : M5213-03
Misc : 5.34g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD5

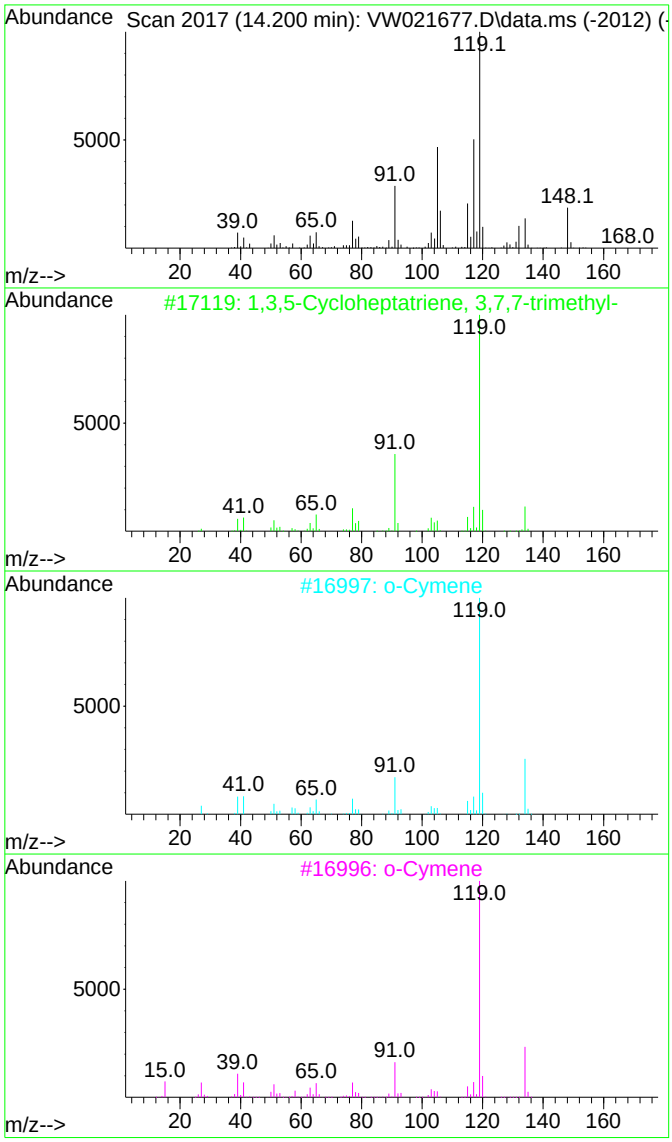
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
Quant Title : SFAM01.0

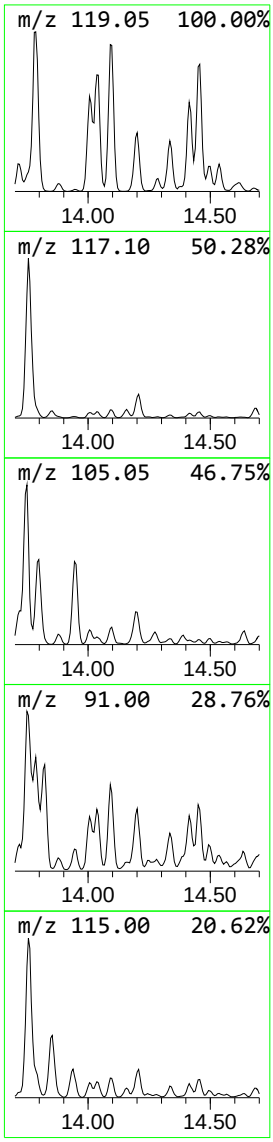
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 1,3,5-Cycloheptatriene, 3,7... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.200	3.88 ug/L	343197	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	60
2	o-Cymene	134	C10H14	000527-84-4	55
3	o-Cymene	134	C10H14	000527-84-4	55
4	p-Cymene	134	C10H14	000099-87-6	49
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122821\
Data File : VW021677.D
Acq On : 28 Dec 2021 19:10
Operator : SY/VA
Sample : M5213-03
Misc : 5.34g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD5

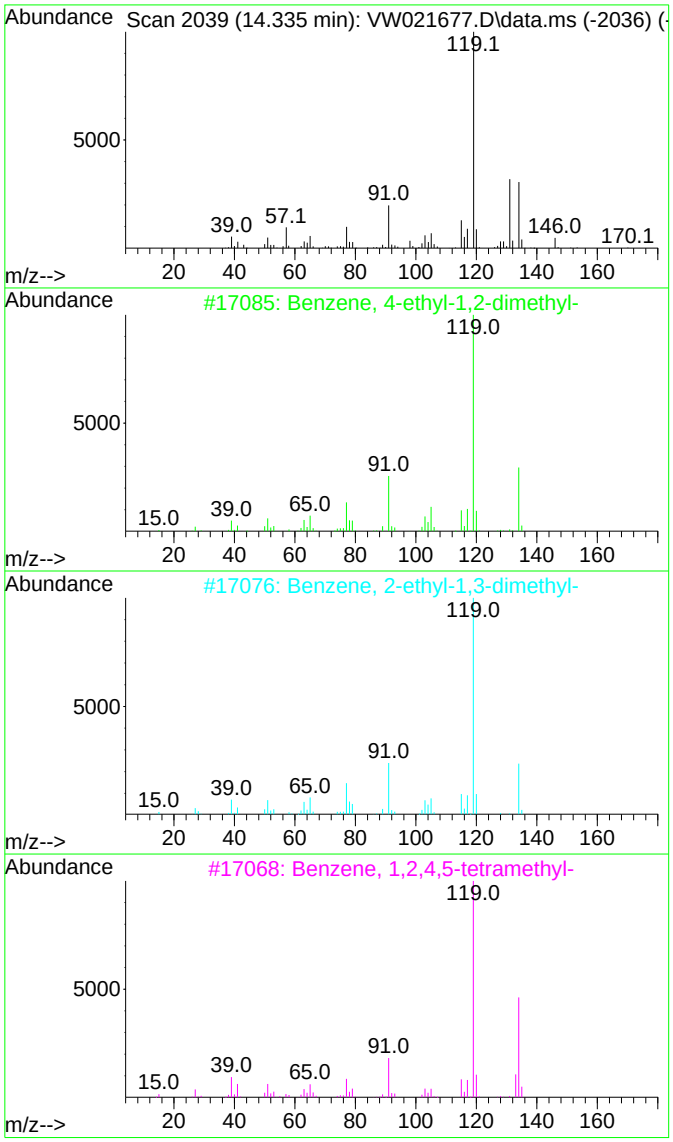
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
Quant Title : SFAM01.0

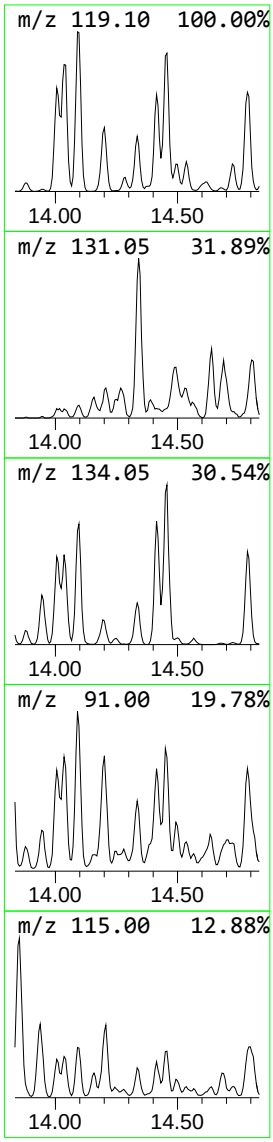
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.335	1.73 ug/L	153055	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	81
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122821\
Data File : VW021677.D
Acq On : 28 Dec 2021 19:10
Operator : SY/VA
Sample : M5213-03
Misc : 5.34g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD5

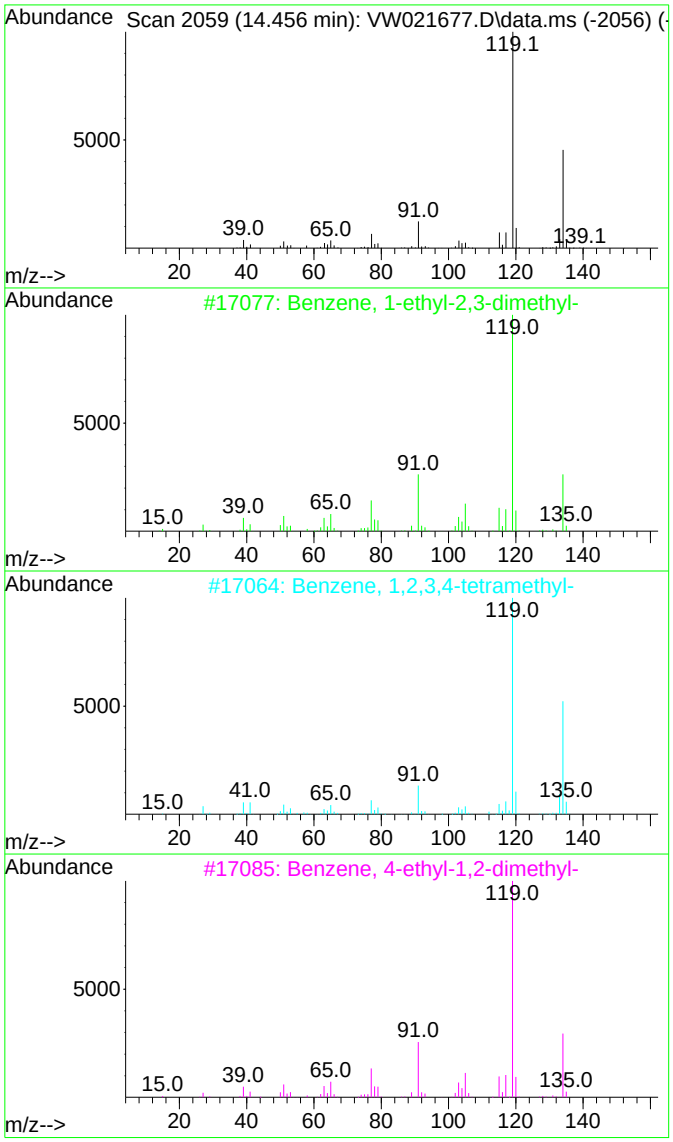
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
Quant Title : SFAM01.0

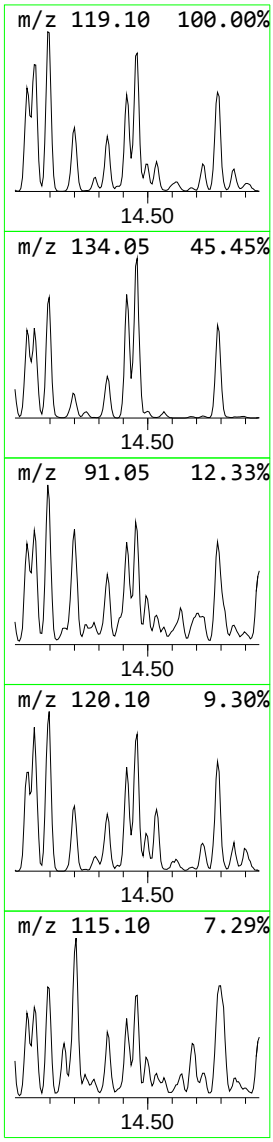
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.457	3.13 ug/L	276959	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





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Data File : VW021677.D
Acq On : 28 Dec 2021 19:10
Operator : SY/VA
Sample : M5213-03
Misc : 5.34g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD5

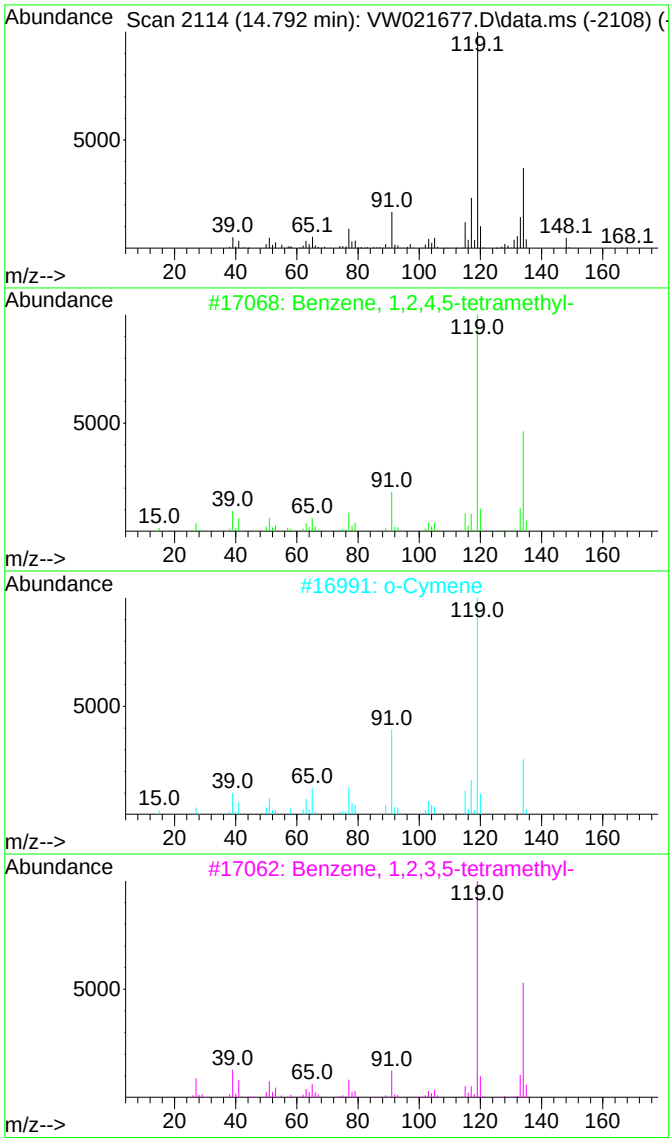
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
Quant Title : SFAM01.0

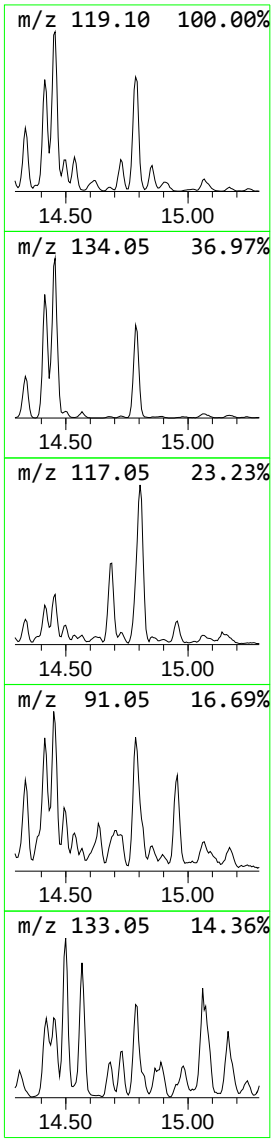
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.792	5.62 ug/L	496663	1,4-Dichlorobenzene-d4	13.560

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	93
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	81
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122821\
Data File : VW021677.D
Acq On : 28 Dec 2021 19:10
Operator : SY/VA
Sample : M5213-03
Misc : 5.34g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD5

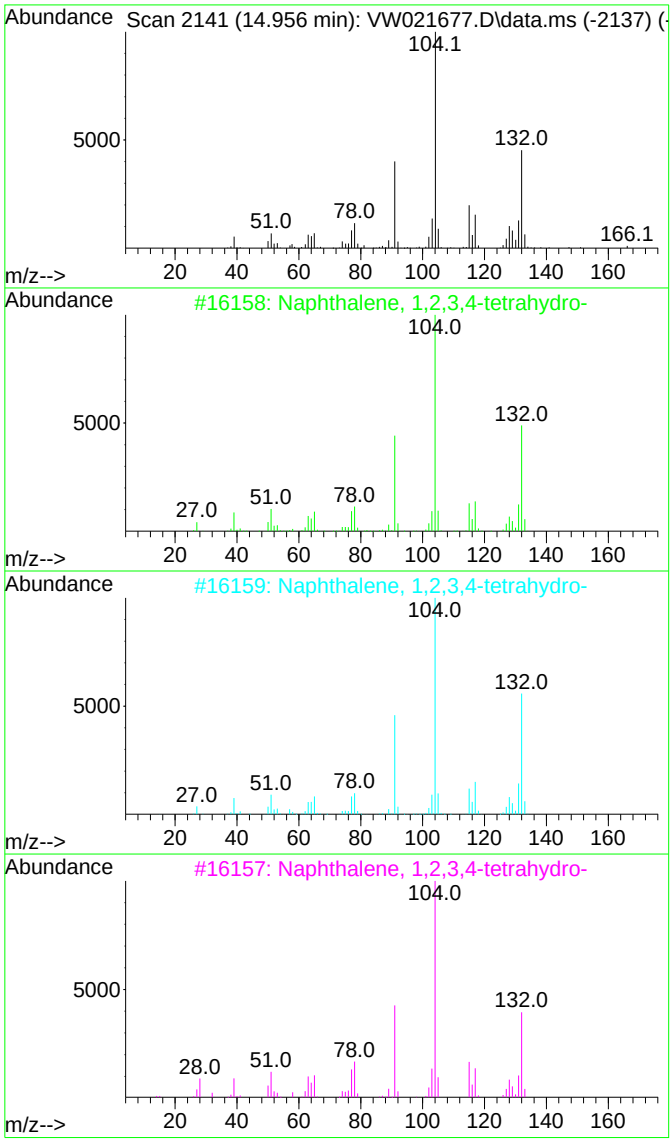
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
Quant Title : SFAM01.0

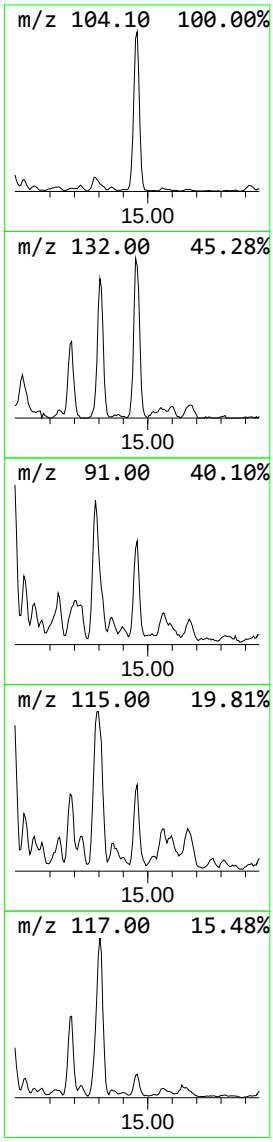
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.956	1.35 ug/L	119661	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122821\
Data File : VW021677.D
Acq On : 28 Dec 2021 19:10
Operator : SY/VA
Sample : M5213-03
Misc : 5.34g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
Quant Title : SFAM01.0

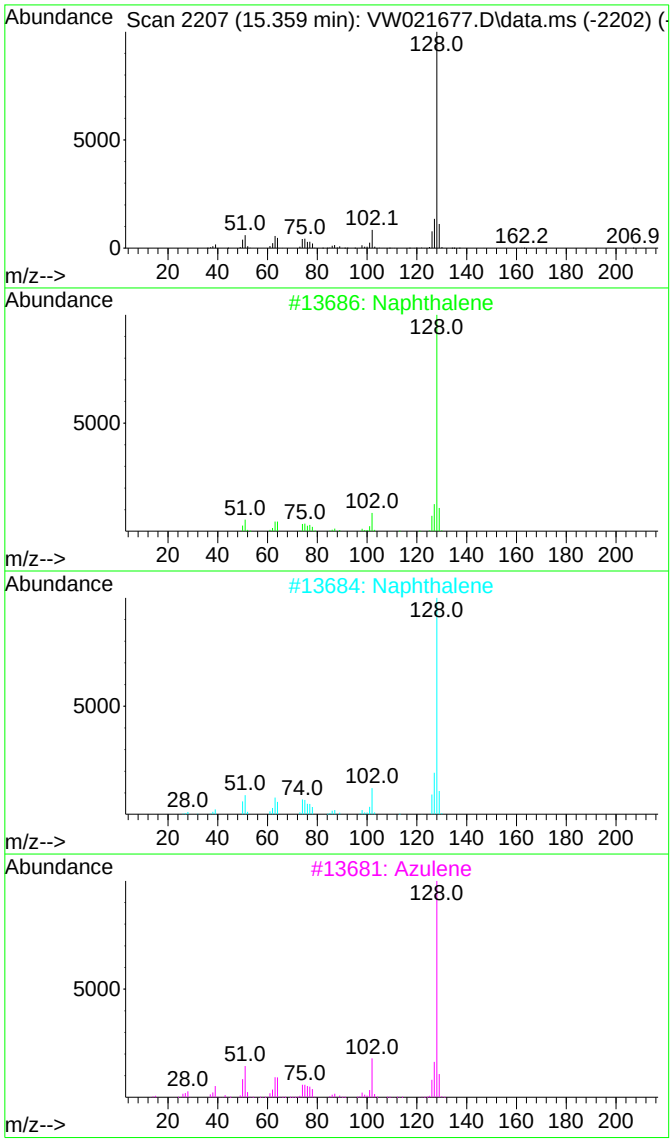
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

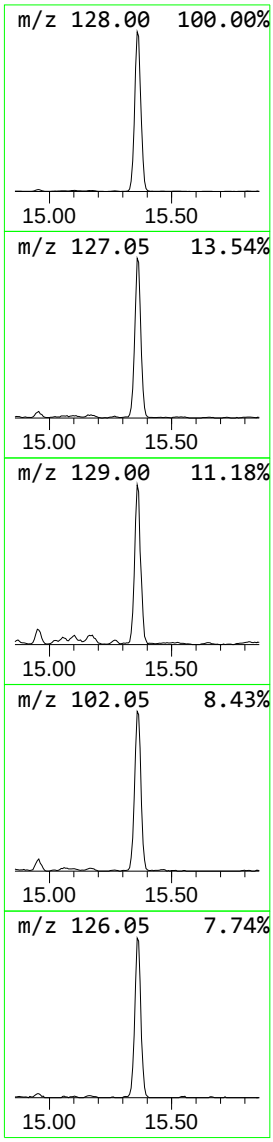
****

Peak Number 19 Azulene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.359	7.24 ug/L	640481	1,4-Dichlorobenzene-d4	13.560

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	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122821\
Data File : VW021677.D
Acq On : 28 Dec 2021 19:10
Operator : SY/VA
Sample : M5213-03
Misc : 5.34g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD5

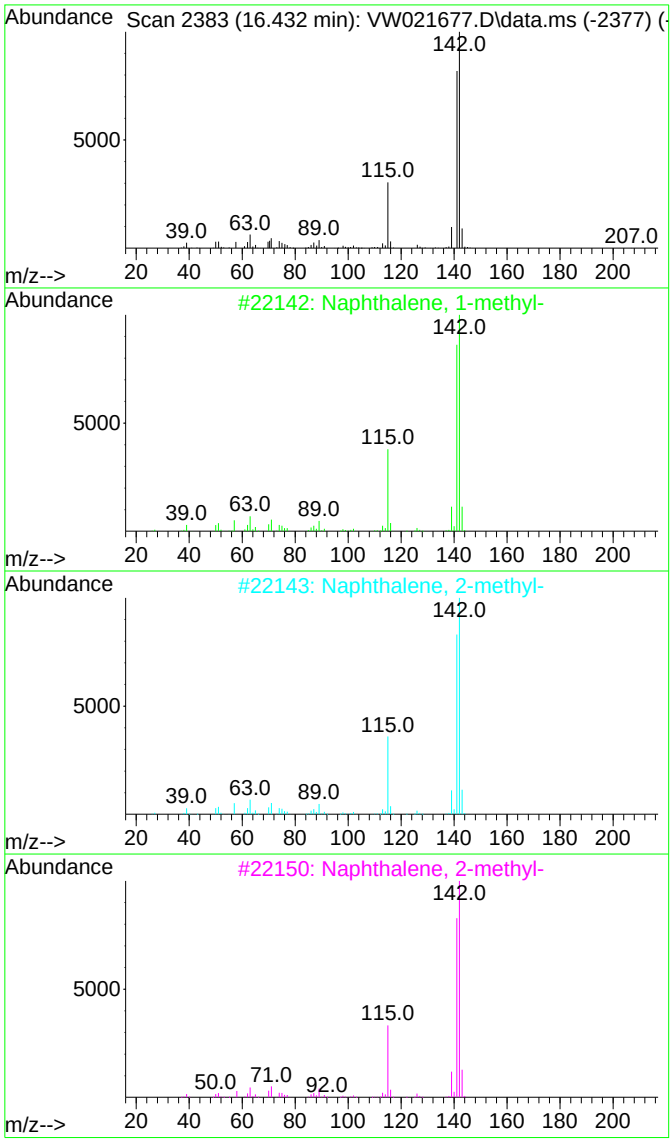
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.M
Quant Title : SFAM01.0

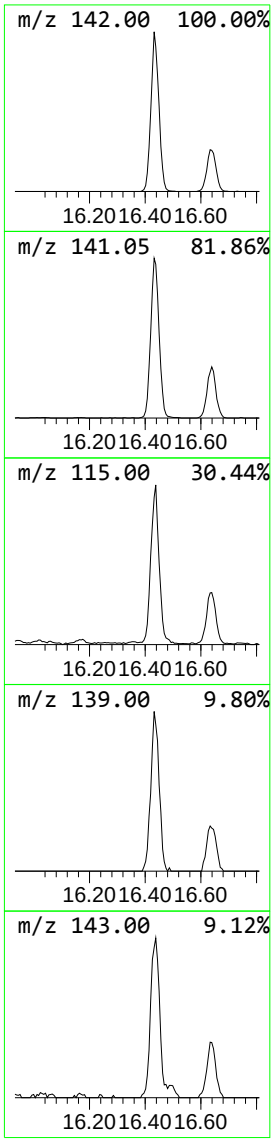
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Naphthalene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.432	3.15 ug/L	278295	1,4-Dichlorobenzene-d4	13.560

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, 2-methyl-	142	C11H10	000091-57-6	95
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122821\
Data File : VW021677.D
Acq On : 28 Dec 2021 19:10
Operator : SY/VA
Sample : M5213-03
Misc : 5.34g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM122821SMA.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
Hexanal	11.073	2.2	ug/L	32818	2	11.628	370681	25.0
(DEL) Alkane: S...	11.408	1.4	ug/L	21363	2	11.628	370681	25.0
(DEL) Alkane: S...	12.250	4.3	ug/L	63654	2	11.628	370681	25.0
(DEL) Alkane: S...	12.359	10.0	ug/L	148604	2	11.628	370681	25.0
Benzene, propyl-	12.798	2.6	ug/L	229921	3	13.560	2210290	25.0
Benzene, 1-ethy...	12.865	13.1	ug/L	1160790	3	13.560	2210290	25.0
Benzene, 1-ethy...	13.103	6.7	ug/L	587907	3	13.560	2210290	25.0
Sulfurous acid,...	13.164	1.6	ug/L	139169	3	13.560	2210290	25.0
Benzene, 1-ethe...	13.755	13.2	ug/L	1162520	3	13.560	2210290	25.0
Benzene, 2-ethy...	14.005	3.5	ug/L	305316	3	13.560	2210290	25.0
Benzene, 1-ethy...	14.091	5.2	ug/L	458578	3	13.560	2210290	25.0
1,3,5-Cyclohept...	14.200	3.9	ug/L	343197	3	13.560	2210290	25.0
Benzene, 4-ethy...	14.335	1.7	ug/L	153055	3	13.560	2210290	25.0
Benzene, 1,2,3,...	14.457	3.1	ug/L	276959	3	13.560	2210290	25.0
Benzene, 1,2,4,...	14.792	5.6	ug/L	496663	3	13.560	2210290	25.0
Naphthalene, 1,...	14.956	1.4	ug/L	119661	3	13.560	2210290	25.0
Azulene	15.359	7.2	ug/L	640481	3	13.560	2210290	25.0
Naphthalene, 1-...	16.432	3.1	ug/L	278295	3	13.560	2210290	25.0