LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

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

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

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

Signal : TIC: VW021448.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.989	11	14	23	rVB2	6269	10746	0.39%	0.042%
2	2.148	37	40	47	rVB3	610	1074	0.04%	0.004%
3	2.349	65	73	83	rVB	41167	66659	2.41%	0.263%
4	2.495	90	97	113	rVB	20698	41378	1.50%	0.163%
5	2.806	145	148	149	rBV	373	381	0.01%	0.002%
6	2.879	154	160	169	rVB	19048	40320	1.46%	0.159%
7	3.068	189	191	195	rVB2	314	260	0.01%	0.001%
8	3.391	238	244	248	rBV3	377	628	0.02%	0.002%
9	3.727	293	299	306	rVB3	275	760	0.03%	0.003%
10	4.013	335	346	358	rBV	55312	166080	6.01%	0.654%
11	4.123	358	364	376	rVB	9941	26490	0.96%	0.104%
12	4.251	381	385	391	rVB3	254	536	0.02%	0.002%
13	4.379	396	406	419	rVB2	2508	8138	0.29%	0.032%
14	4.696	455	458	462	rBV	165	342	0.01%	0.001%
15	4.733	462	464	467	rVB	140	185	0.01%	0.001%
16	4.806	474	476	478	rBB	170	177	0.01%	0.001%
17	4.824	478	479	483	rBV	154	184	0.01%	0.001%
18	4.915	485	494	504	rVB2	4209	12981	0.47%	0.051%
19	5.239	544	547	550	rBB	160	218	0.01%	0.001%
20	5.781	628	636	647	rVB4	2104	6799	0.25%	0.027%
21	5.940	655	662	671	rBB4	1051	2953	0.11%	0.012%
22	6.043	677	679	683	rBV2	185	252	0.01%	0.001%
23	6.104	685	689	691	rBV	363	540	0.02%	0.002%
24	6.580	766	767	771	rBV2	138	180	0.01%	0.001%
25	6.903	810	820	831	rBV3	9233	29106	1.05%	0.115%
26	7.080	840	849	859	rBV	12443	35680	1.29%	0.141%
27	7.244	873	876	881	rVB3	365	666	0.02%	0.003%
28	7.647	933	942	956	rVV	82756	197968	7.17%	0.780%
29	7.854	973	976	979	rBV	124	177	0.01%	0.001%
30	7.988	996	998	1001	rBB	145	179	0.01%	0.001%
31	8.275	1035	1045	1060	rBV2	158125	470466	17.03%	1.853%
32	8.555	1085	1091	1097	rVV3	1517	3644	0.13%	0.014%
33	8.598	1097	1098	1101	rVB	407	236	0.01%	0.001%
34	8.707	1107	1116	1122	rBV4	1355	3570	0.13%	0.014%
35	8.842	1129	1138	1149	rVB	169651	333736	12.08%	1.315%
36	9.079	1164	1177	1183	rBB4	1424	3616	0.13%	0.014%

LSC Area Percent Report

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Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

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

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

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

37	9.274	1200	1209	1224	rBV	105951	215959	7.82%	0.851%
38	9.409	1224	1231	1239	rBV2	9165	18831	0.68%	0.074%
39	9.531	1249	1251	1253	rVB2	263	197	0.01%	0.001%
40	9.579	1258	1259	1263	rVB2	190	177	0.01%	0.001%
41	9.665	1263	1273	1280	rBV5	2401	5341	0.19%	0.021%
42	9.756	1282	1288	1295	rBV4	1484	3220	0.12%	0.013%
43	9.890	1304	1310	1315	rBV2	2299	5016	0.18%	0.020%
44	9.951	1317	1320	1324	rBV3	852	1069	0.04%	0.004%
45	10.037	1324	1334	1340	rBV	55143	99269	3.59%	0.391%
46	10.207	1355	1362	1367	rBV	3506	7375	0.27%	0.029%
47	10.323	1373	1381	1388	rBV	233327	414238	14.99%	1.632%
48	10.384	1388	1391	1397	rVB	5304	8872	0.32%	0.035%
49	10.500	1403	1410	1416	rBV5	2502	5315	0.19%	0.021%
50	10.579	1416	1423	1435	rBV	33408	62933	2.28%	0.248%
51	10.701	1439	1443	1449	rVB	2223	3907	0.14%	0.015%
52	10.841	1461	1466	1473	rVB8	3766	9928	0.36%	0.039%
53	10.921	1473	1479	1486	rBV	53811	99443	3.60%	0.392%
54	11.067	1499	1503	1508	rBV	24422	38362	1.39%	0.151%
55	11.652	1590	1599	1606	rVB2	507213	1219148	44.13%	4.803%
56	11.725	1607	1611	1621	rVB	101735	183594	6.64%	0.723%
57	11.835	1622	1629	1634	rBV	91083	201269	7.28%	0.793%
58	12.061	1661	1666	1671	rVB2	17486	30645	1.11%	0.121%
59	12.164	1672	1683	1690	rBV2	161526	374391	13.55%	1.475%
60	12.250	1693	1697	1701	rVB	54059	77106	2.79%	0.304%
61	12.335	1702	1711	1714	rBV4	87093	212778	7.70%	0.838%
62	12.646	1759	1762	1765	rVV	35454	39391	1.43%	0.155%
63	12.695	1765	1770	1775	rVB	86547	142976	5.17%	0.563%
64	12.804	1781	1788	1791	rBV	87445	194896	7.05%	0.768%
65	12.865	1793	1798	1800	rBV3	198892	354539	12.83%	1.397%
66	13.103	1829	1837	1843	rBV2	150437	442642	16.02%	1.744%
67	13.164	1843	1847	1853	rVB	121061	167204	6.05%	0.659%
68	13.249	1855	1861	1865	rBV	658907	1039521	37.62%	4.095%
69	13.298	1865	1869	1870	rBV4	111426	158883	5.75%	0.626%
70	13.444	1890	1893	1896	rVB3	127356	163574	5.92%	0.644%
71	13.713	1934	1937	1939	rBV2	89105	119981	4.34%	0.473%
72	13.749	1939	1943	1947	rVV2	401933	605626	21.92%	2.386%
73	13.792	1947	1950	1956	rVB4	137005	207474	7.51%	0.817%
74	13.871	1957	1963	1968	rVB4	335333	679599	24.60%	2.677%
75	13.944	1972	1975	1979	rBV	119146	148459	5.37%	0.585%
76	14.005	1982	1985	1987	rBV	188982	249867	9.04%	0.984%

LSC Area Percent Report

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Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

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

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

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

77	14.091	1995	1999	2004	rVB	479874	689950	24.97%	2.718%
78	14.200	2011	2017	2022	rBV2	264367	444151	16.08%	1.750%
79	14.255	2022	2026	2033	rBV6	98588	229570	8.31%	0.904%
80	14.328	2033	2038	2043	rBV4	228389	432400	15.65%	1.703%
81	14.383	2043	2047	2048	rVV2	151725	178342	6.45%	0.703%
82	14.414	2049	2052	2055	rVV	428262	635668	23.01%	2.504%
83	14.450	2055	2058	2062	rVV	508051	721569	26.12%	2.843%
84	14.493	2062	2065	2069	rVB	162392	202865	7.34%	0.799%
85	14.633	2085	2088	2092	rVB	137107	195719	7.08%	0.771%
86	14.688	2092	2097	2100	rBV3	181770	343256	12.42%	1.352%
87	14.725	2100	2103	2108	rVB3	248521	359919	13.03%	1.418%
88	14.792	2108	2114	2120	rBV4	428384	1149426	41.60%	4.528%
89	14.847	2121	2123	2129	rVB	192736	303721	10.99%	1.197%
90	14.950	2137	2140	2148	rVB3	138566	227408	8.23%	0.896%
91	15.060	2154	2158	2165	rBV2	274524	594745	21.53%	2.343%
92	15.127	2165	2169	2173	rVV	295349	427903	15.49%	1.686%
93	15.322	2196	2201	2202	rBV3	104677	162807	5.89%	0.641%
94	15.359	2202	2207	2213	rVB	1176746	2051050	74.23%	8.080%
95	15.462	2220	2224	2229	rBV2	128221	209260	7.57%	0.824%
96	15.548	2235	2238	2246	rVB2	205479	362878	13.13%	1.430%
97	15.651	2247	2255	2262	rBV2	224225	512999	18.57%	2.021%
98	15.944	2299	2303	2308	rVB	108544	190715	6.90%	0.751%
99	16.432	2377	2383	2397	rVB	1286998	2762924	100.00%	10.885%
100	16.639	2410	2417	2430	rVB2	1067181	2514157	91.00%	9.905%

Sum of corrected areas: 25383722

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
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Operator : SY/VA
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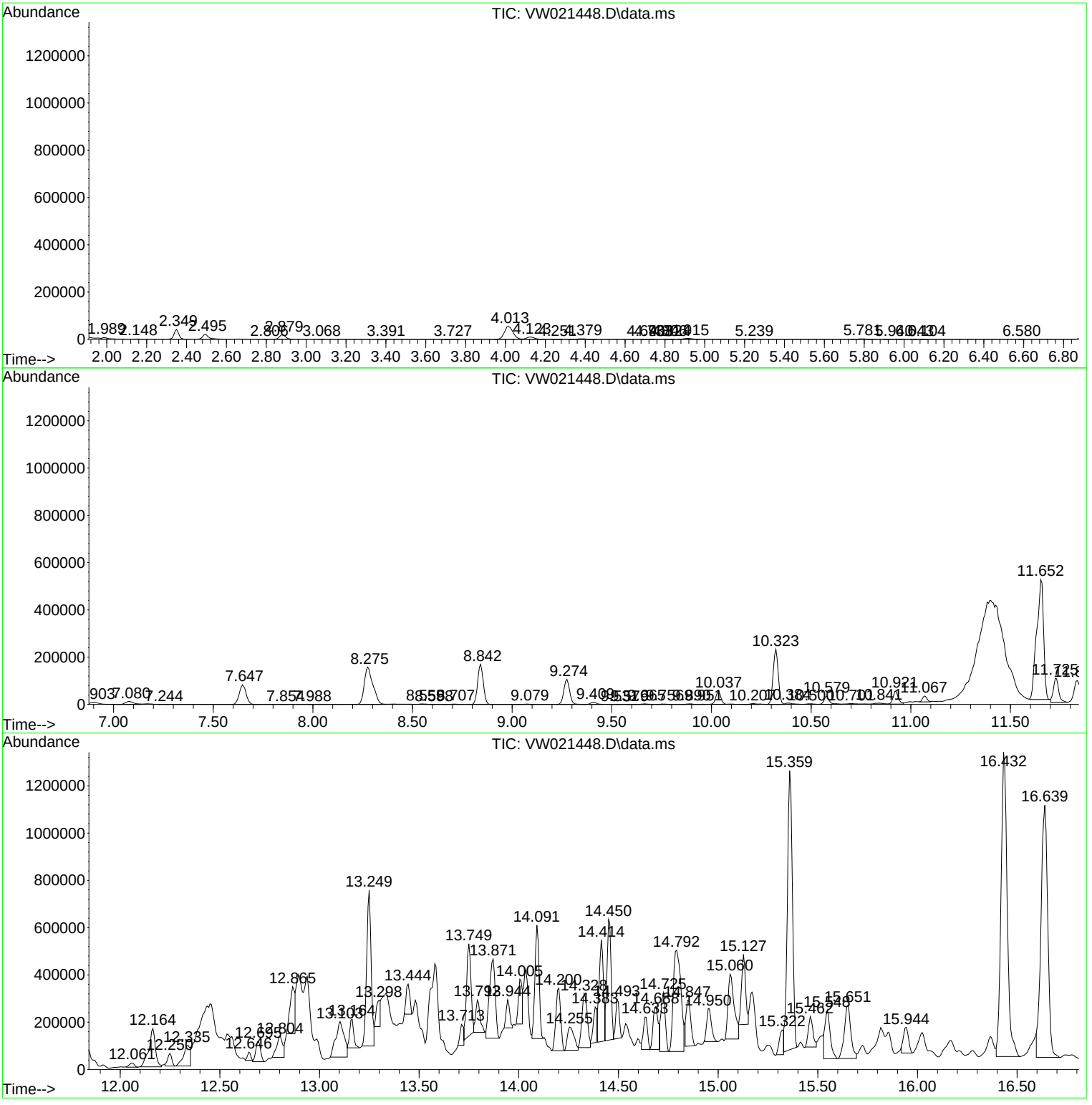
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

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

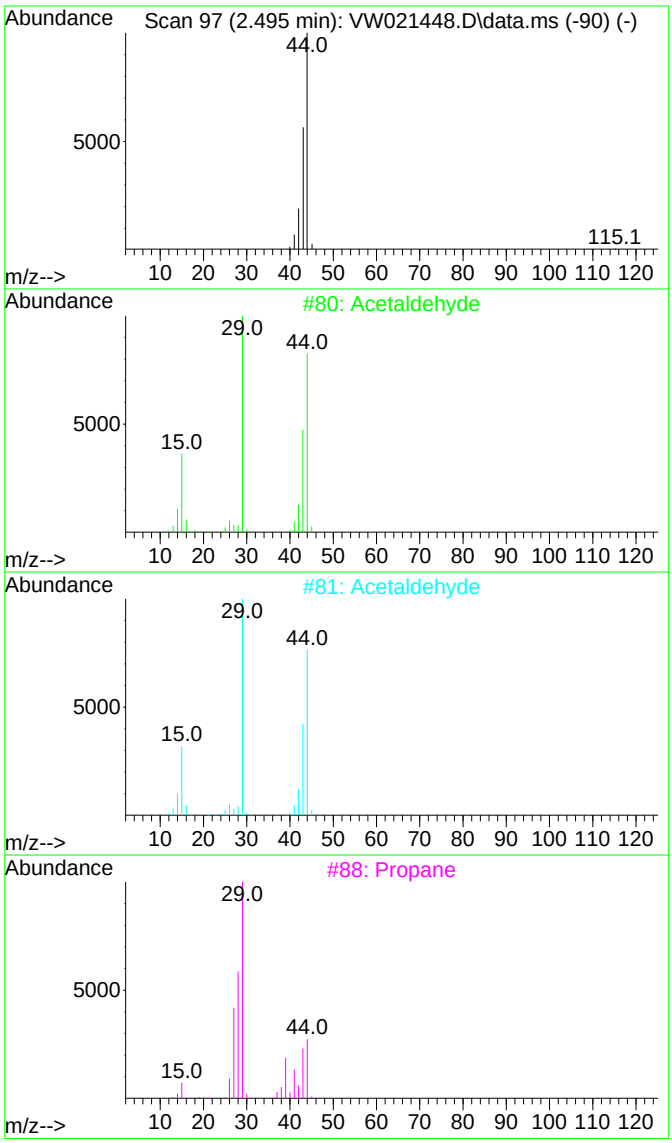
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

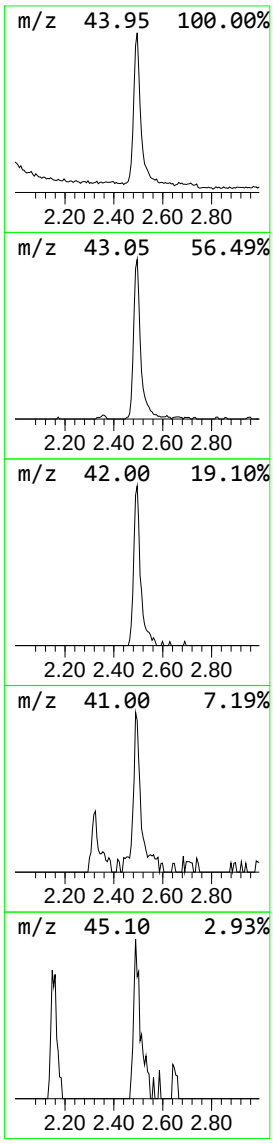
****

Peak Number 1 Acetaldehyde Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.495	3.10 ug/L	41378	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	74
2	Acetaldehyde	44	C2H4O	000075-07-0	74
3	Propane	44	C3H8	000074-98-6	5
4	Tuaminoheptane	115	C7H17N	000123-82-0	5
5	2-Hexanamine, 4-methyl-	115	C7H17N	000105-41-9	5





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

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

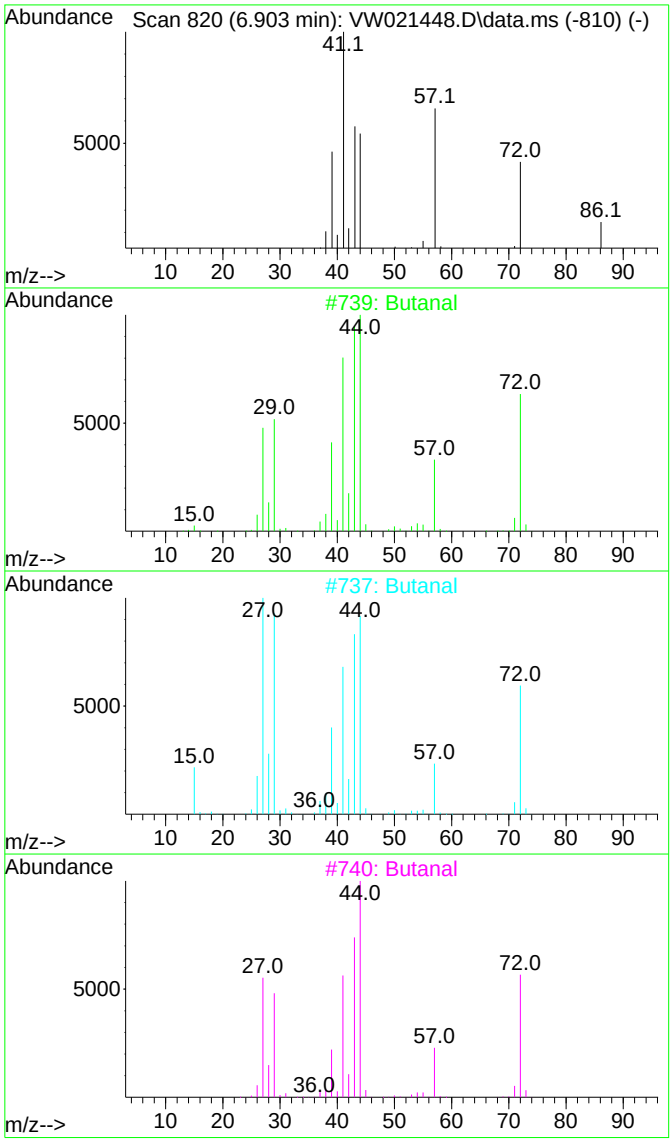
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

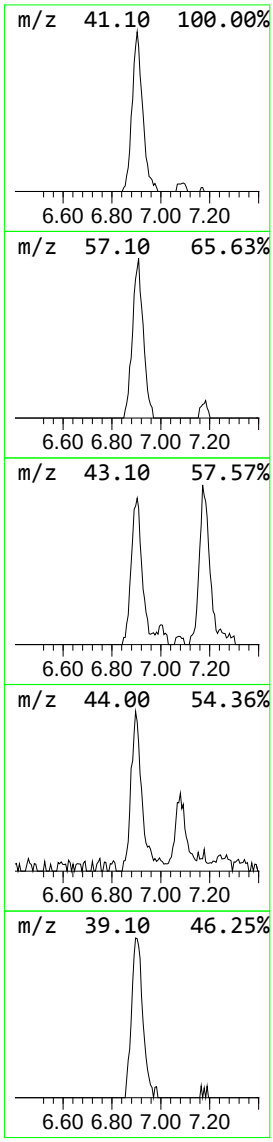
****

Peak Number 2 Butanal Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.903	2.18 ug/L	29106	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	50
2	Butanal	72	C4H8O	000123-72-8	47
3	Butanal	72	C4H8O	000123-72-8	47
4	Butanal	72	C4H8O	000123-72-8	47
5	Butanal	72	C4H8O	000123-72-8	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

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

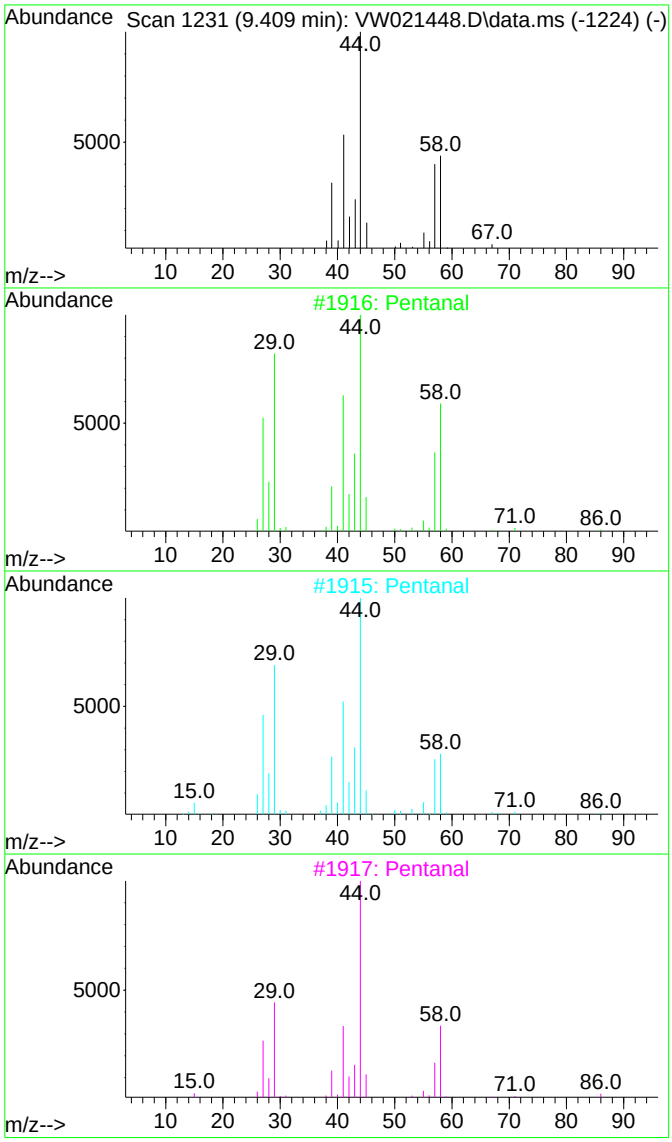
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

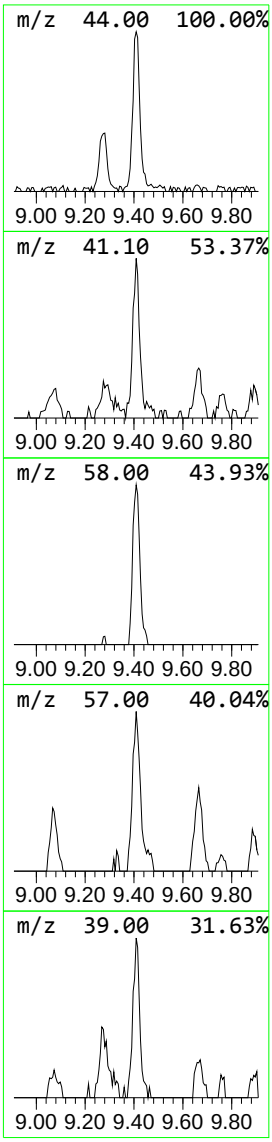
****

Peak Number 3 Pentanal Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.409	1.41 ug/L	18831	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	78
2	Pentanal	86	C5H10O	000110-62-3	78
3	Pentanal	86	C5H10O	000110-62-3	72
4	1-Octadecanamine, N-methyl-	283	C19H41N	002439-55-6	9
5	2-Propanamine	59	C3H9N	000075-31-0	7





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

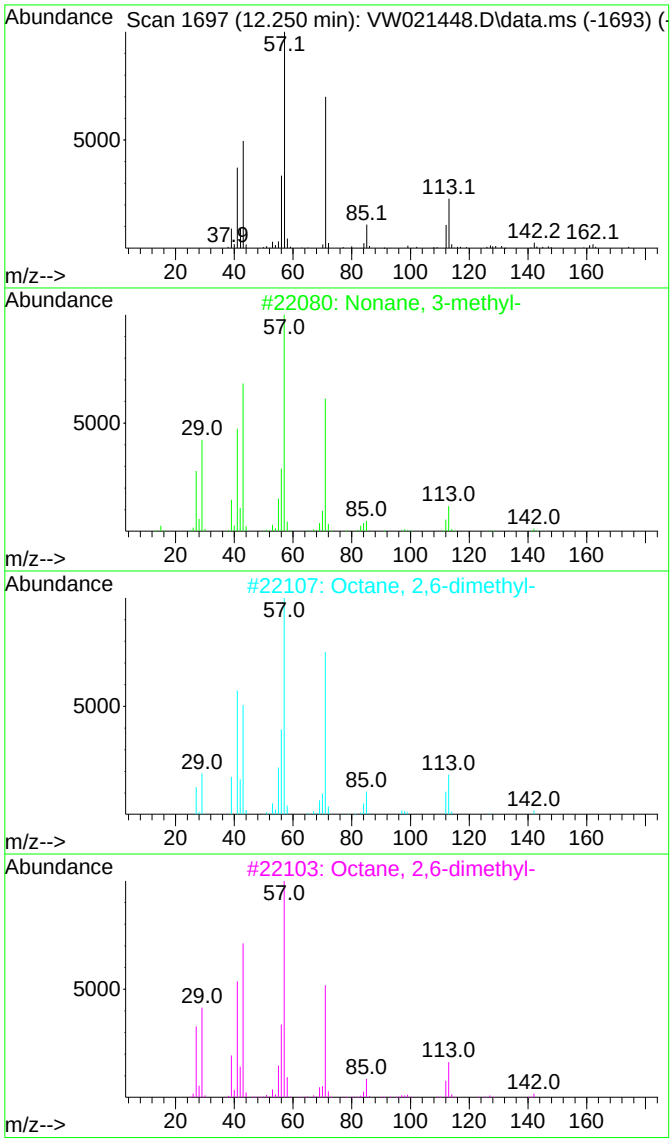
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

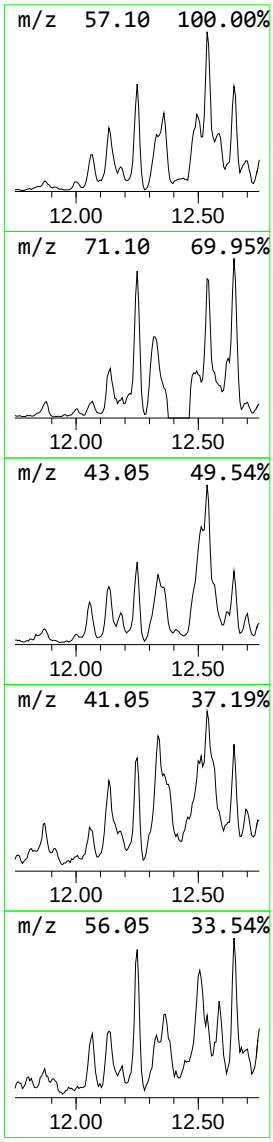
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.249	1.58 ug/L	77106	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

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

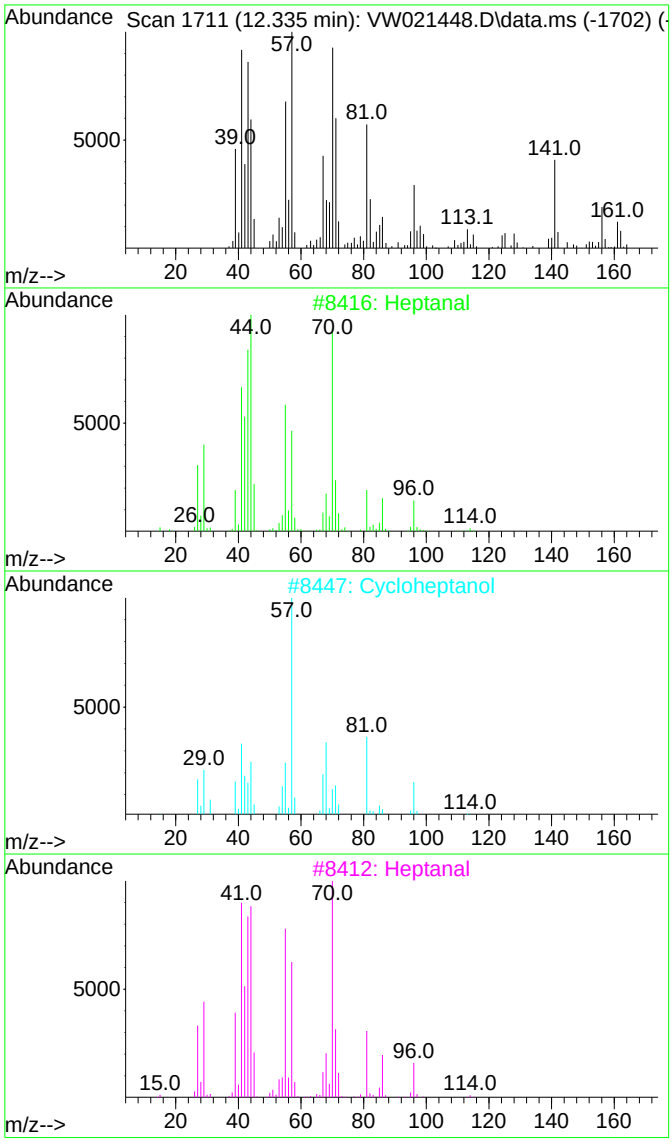
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

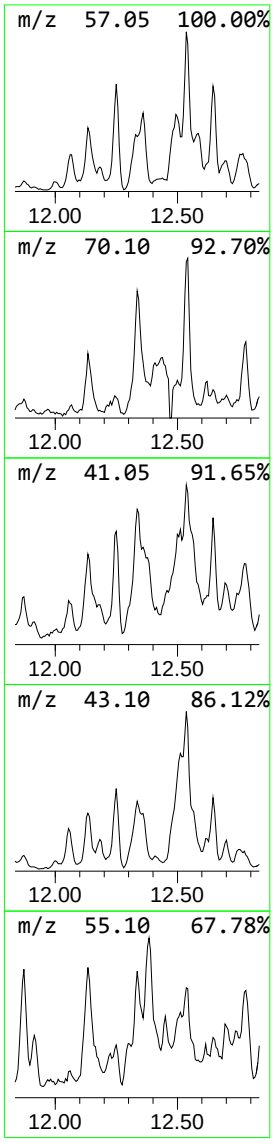
****

Peak Number 6 unknown-01 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.335	4.36 ug/L	212778	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	46
2	Cycloheptanol	114	C7H14O	000502-41-0	43
3	Heptanal	114	C7H14O	000111-71-7	43
4	Heptanal	114	C7H14O	000111-71-7	43
5	cis-2,4-Dimethylthiane, S,S-dioxide	162	C7H14O2S	1000215-67-5	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

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

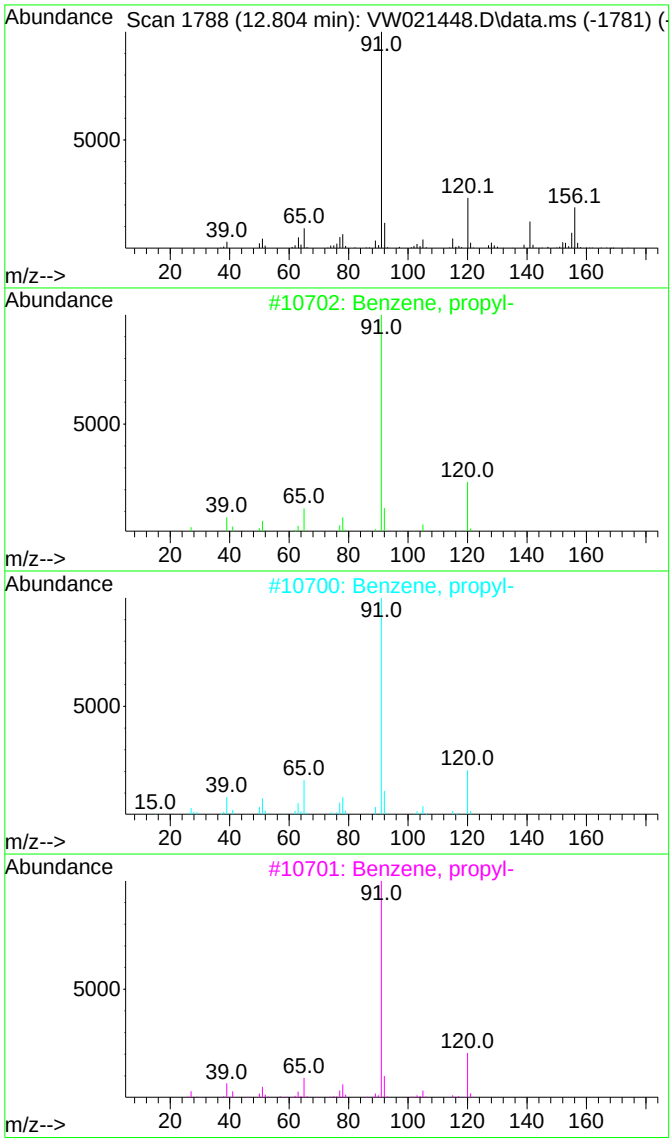
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

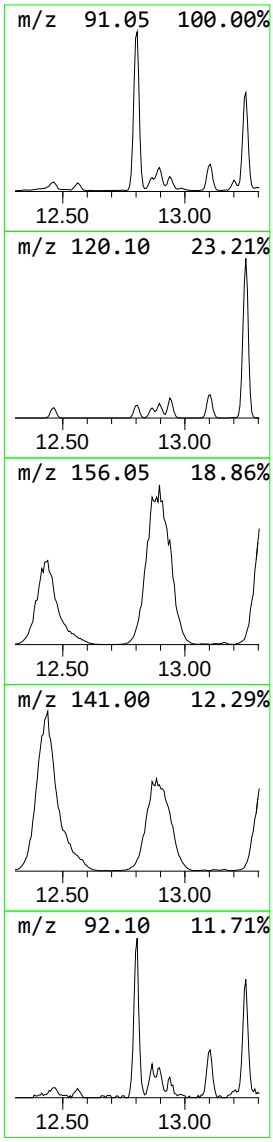
****

Peak Number 7 Benzene, propyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.804	29.79 ug/L	194896	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	64
2	Benzene, propyl-	120	C9H12	000103-65-1	64
3	Benzene, propyl-	120	C9H12	000103-65-1	58
4	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	52
5	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	50





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Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

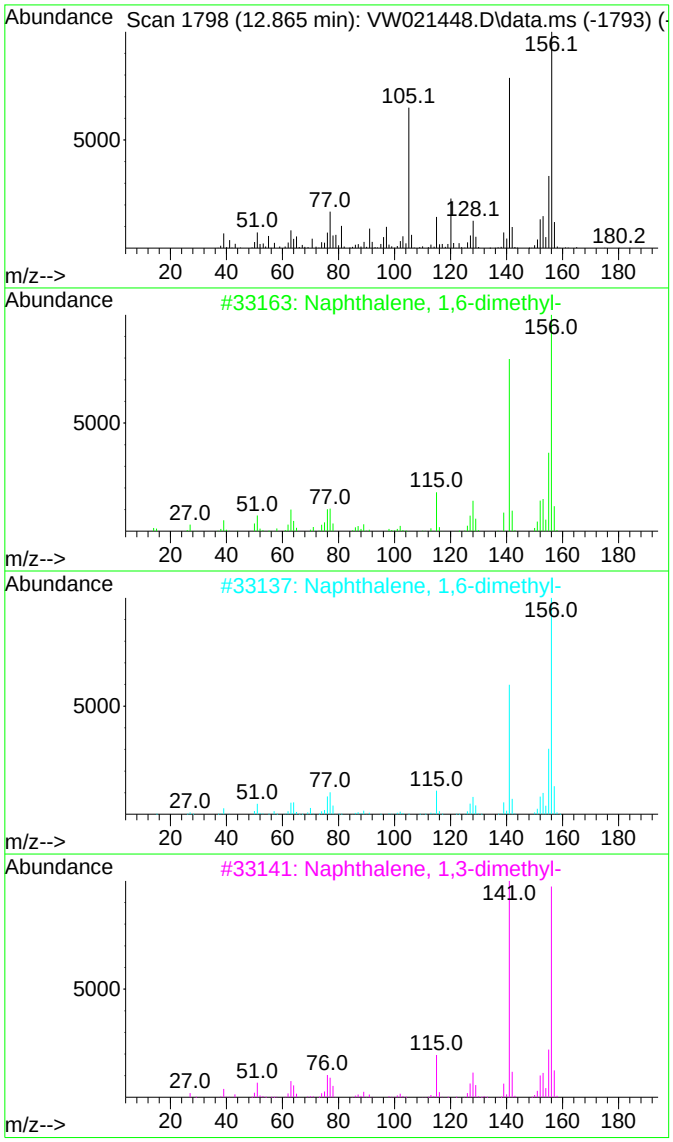
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

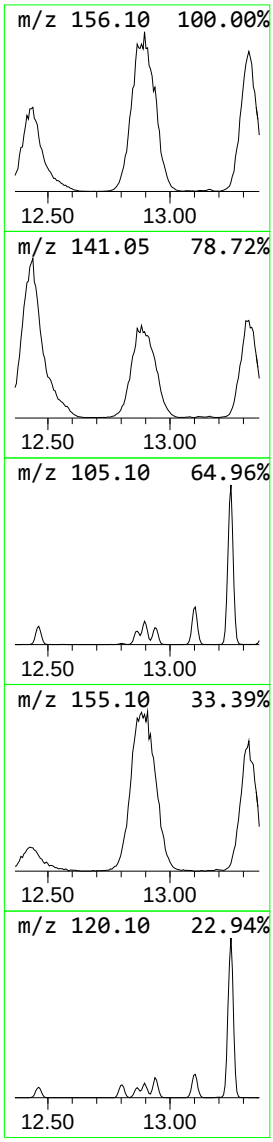
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 1,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	54.19 ug/L	354539	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

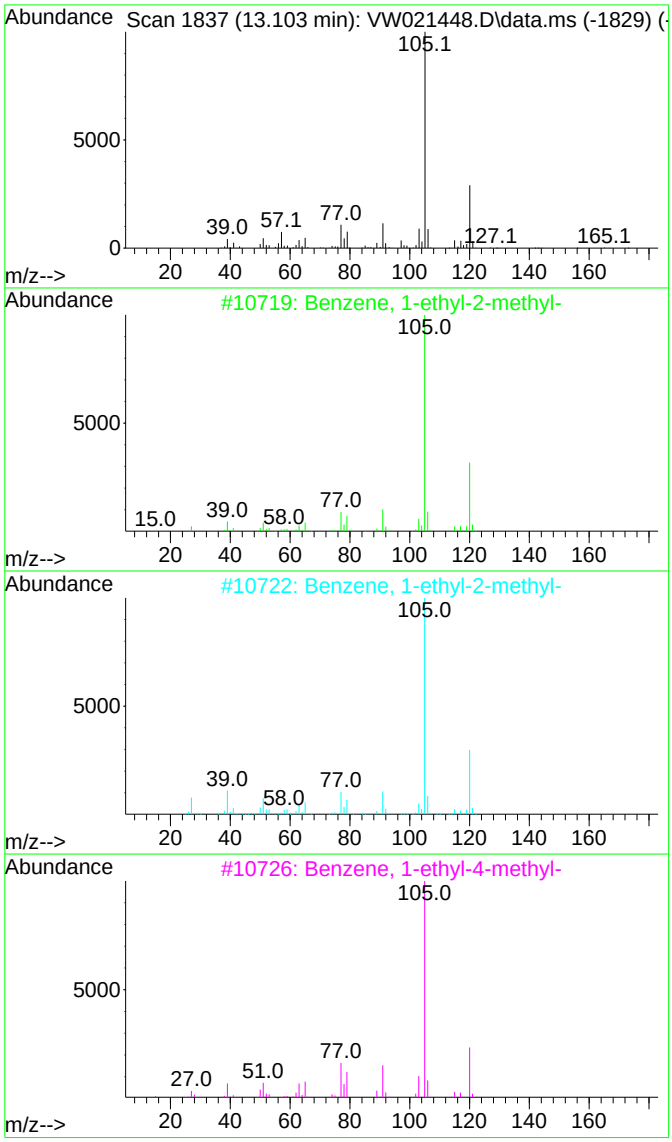
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

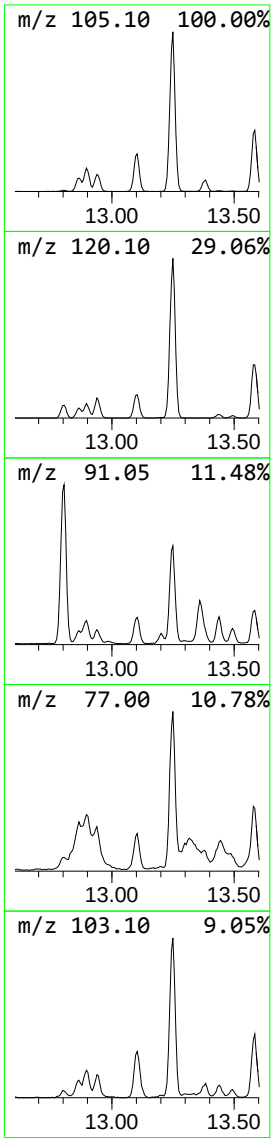
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	67.65 ug/L	442642	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





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Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

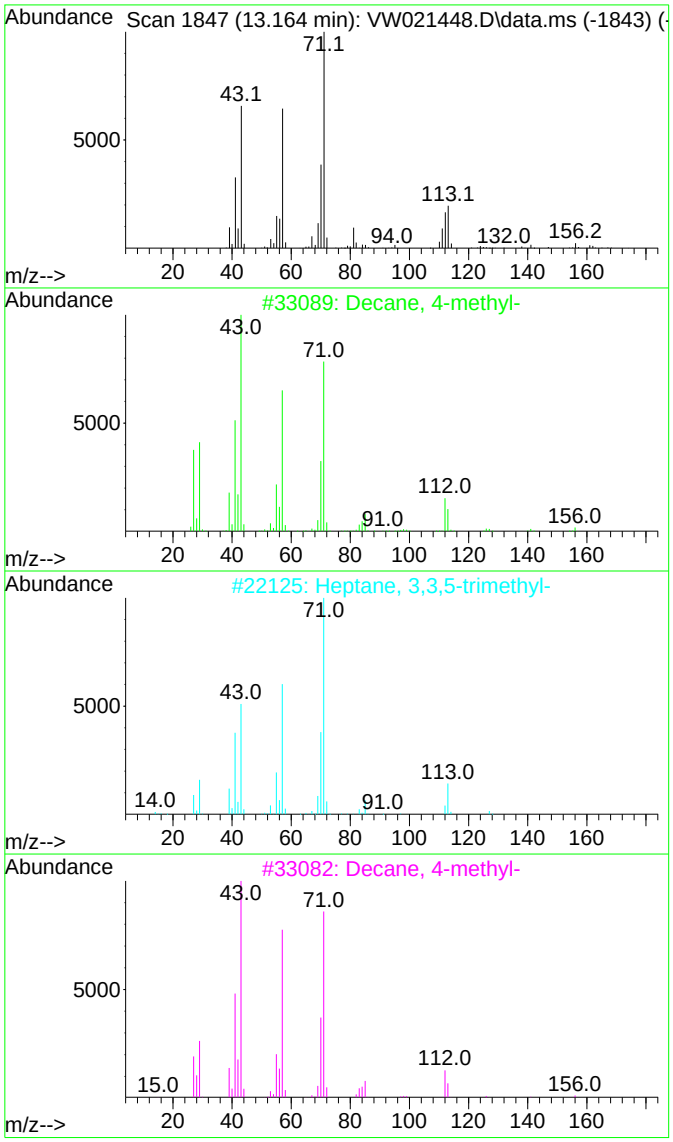
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

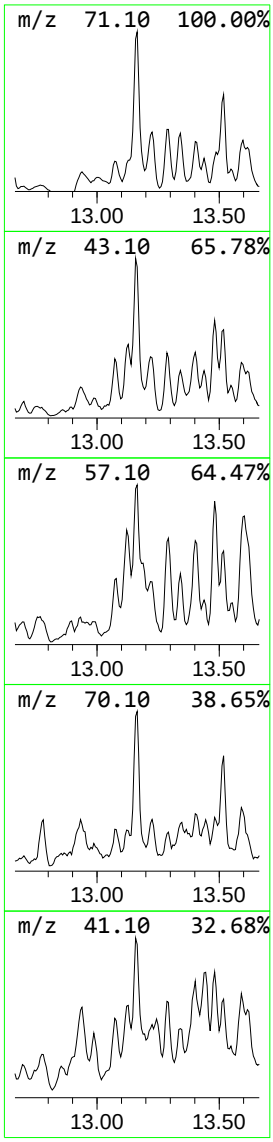
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	25.55 ug/L	167204	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	64
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
3	Decane, 4-methyl-	156	C11H24	002847-72-5	59
4	Octane, 3-ethyl-	142	C10H22	005881-17-4	59
5	Undecane, 3,3-dimethyl-	184	C13H28	017312-65-1	53





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Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

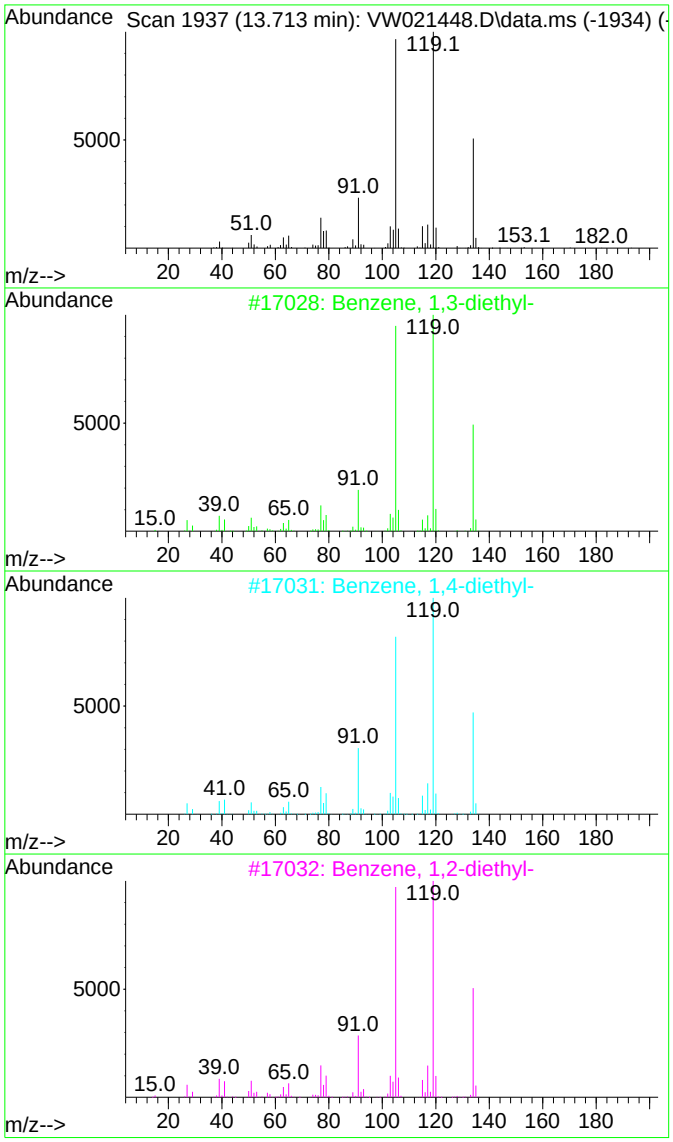
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

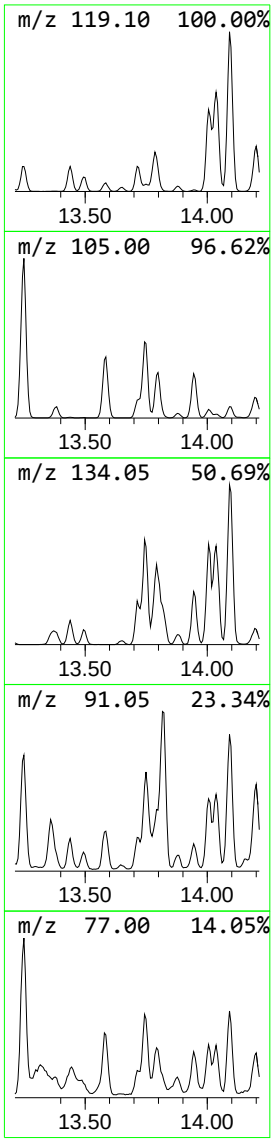
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 1,3-diethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.713	18.34 ug/L	119981	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94





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Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

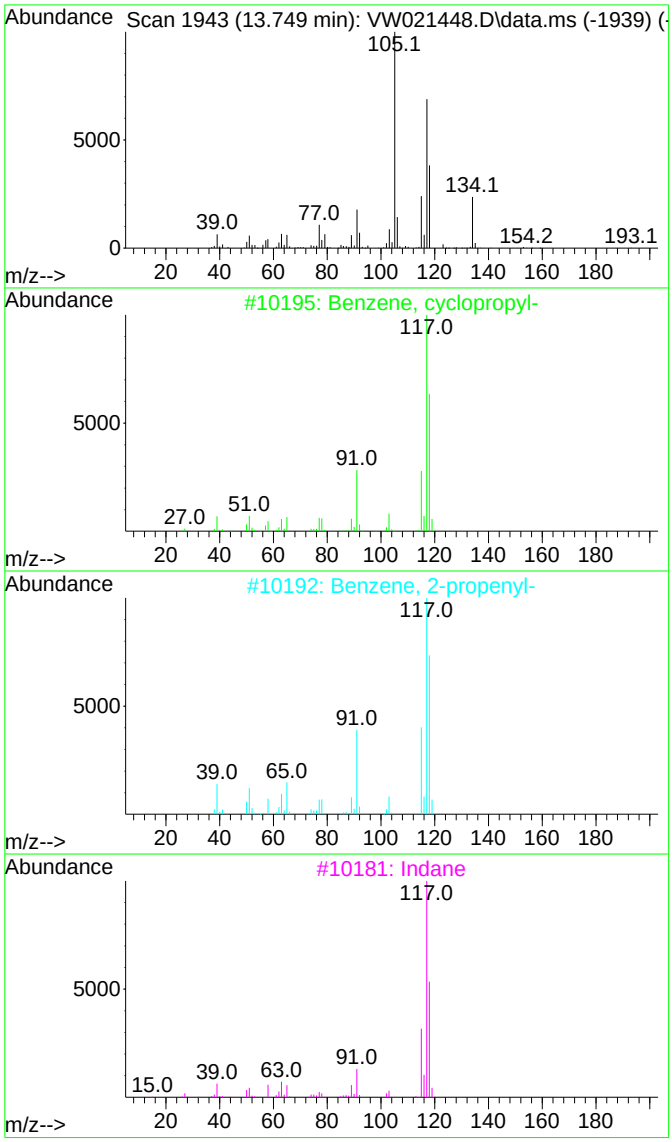
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

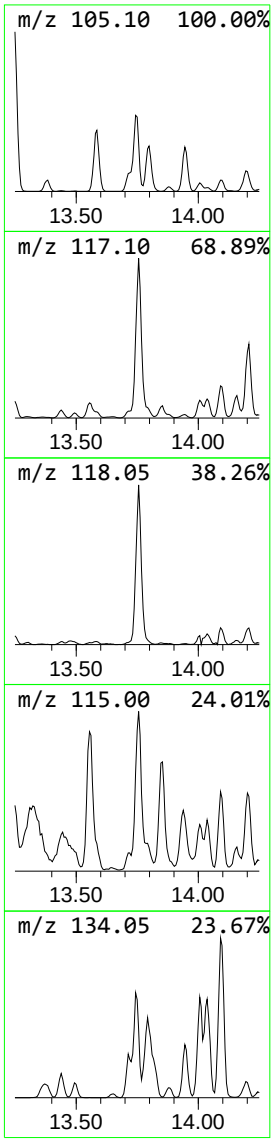
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, cyclopropyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.749	92.56 ug/L	605626	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	55
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	55
3	Indane	118	C9H10	000496-11-7	50
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	49
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	49





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Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

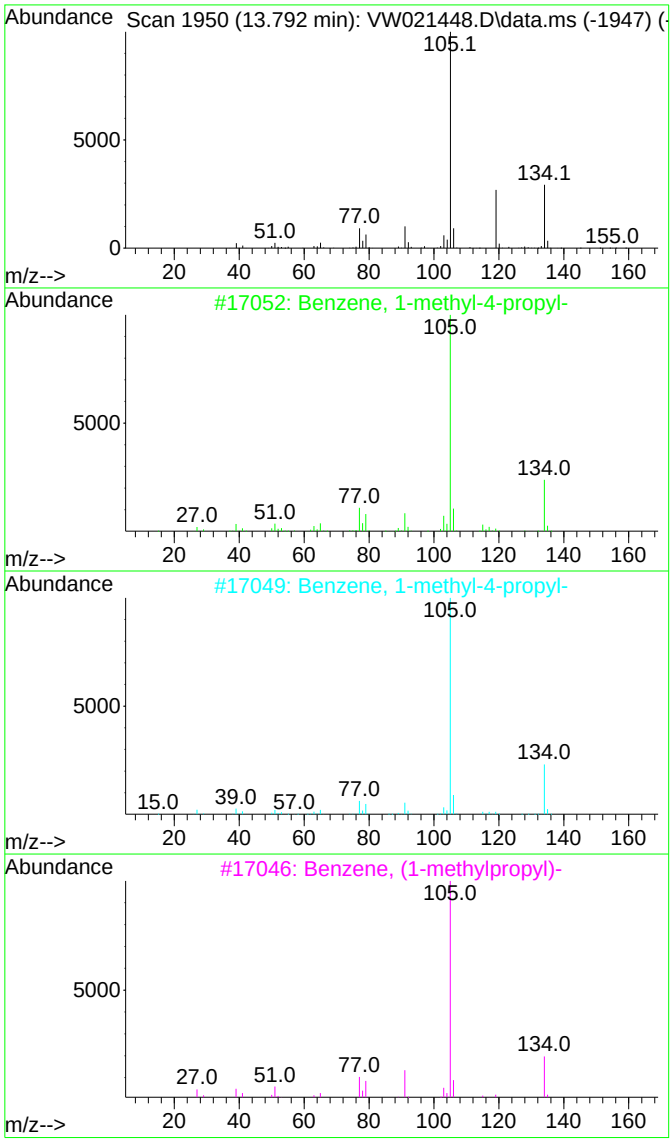
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

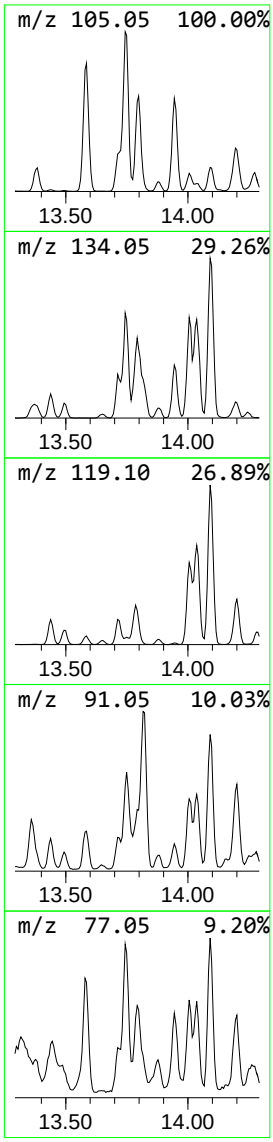
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1-methyl-2-propyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.792	31.71 ug/L	207474	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	81
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	81
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	72
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	72
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	72





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Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

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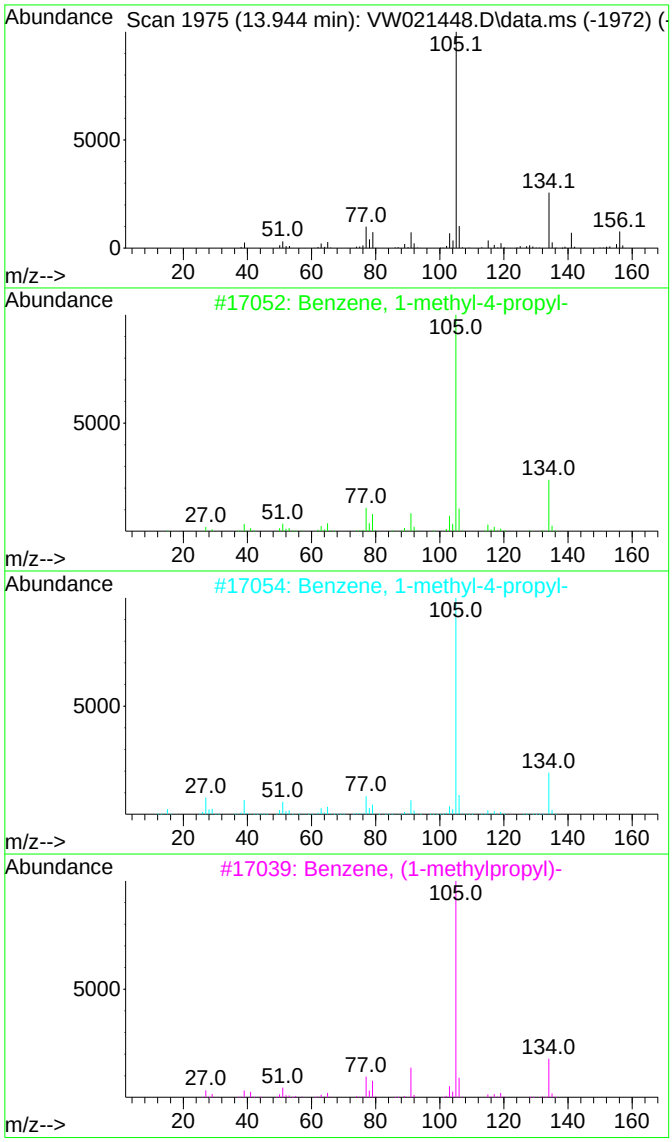
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

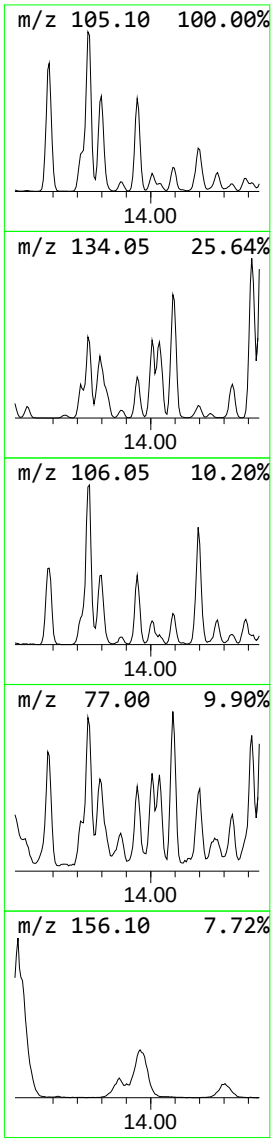
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, 1-methyl-4-propyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.944	22.69 ug/L	148459	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	93
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	81
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	81
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	81
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	81





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Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

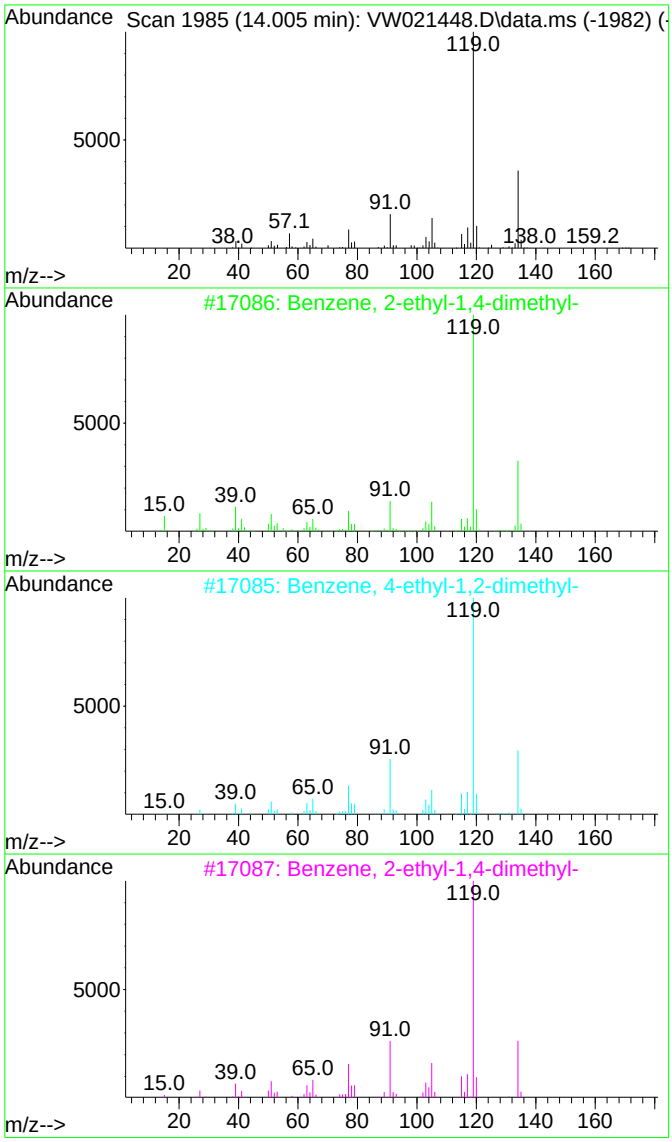
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

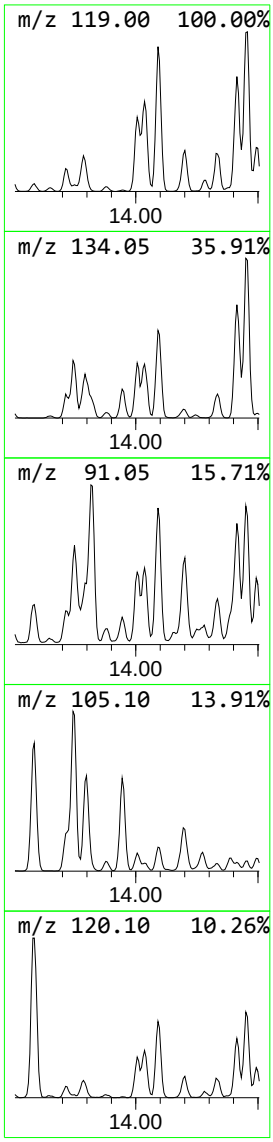
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.005	38.19 ug/L	249867	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





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Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

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

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

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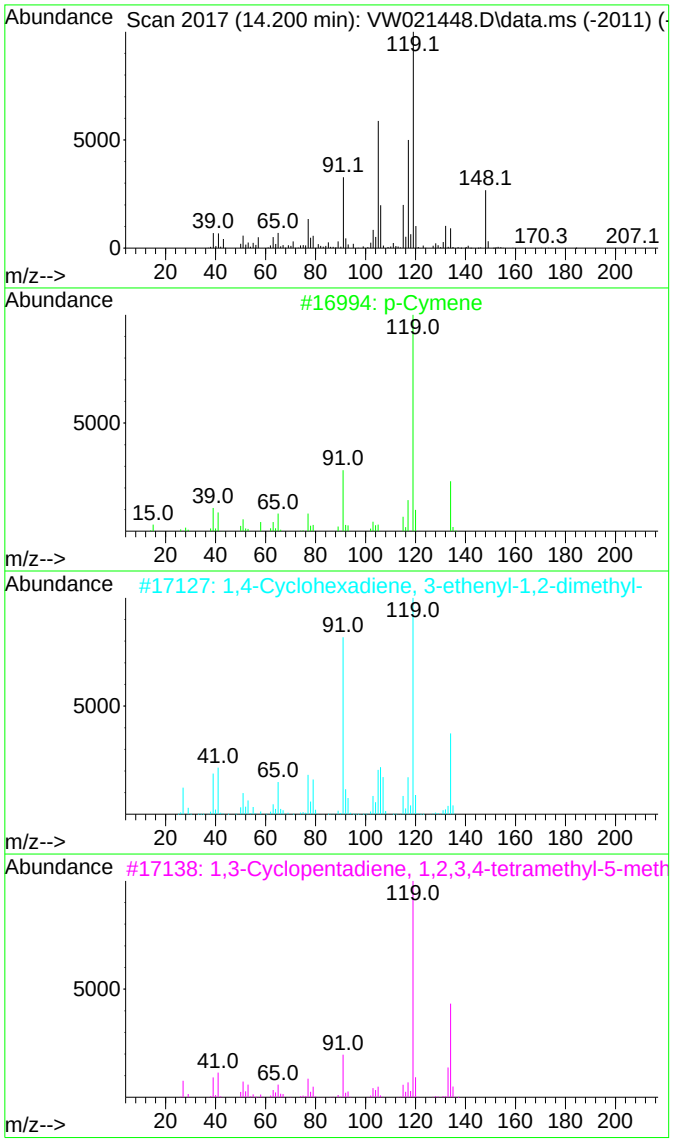
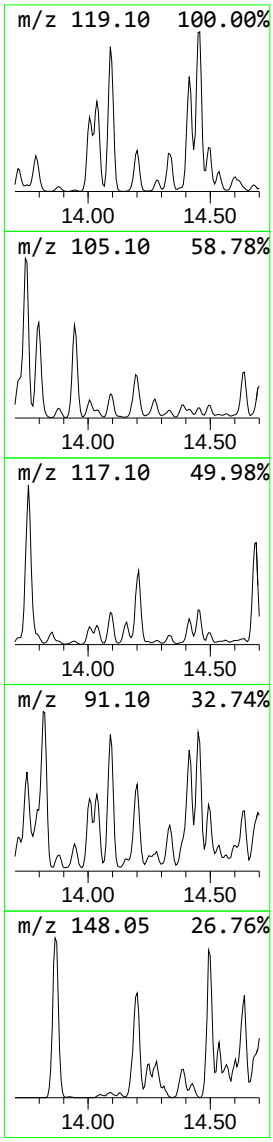
Peak Number 17 p-Cymene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.200	67.88 ug/L	444151	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	50
2	1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	49
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	49
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	46
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	46





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Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

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

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

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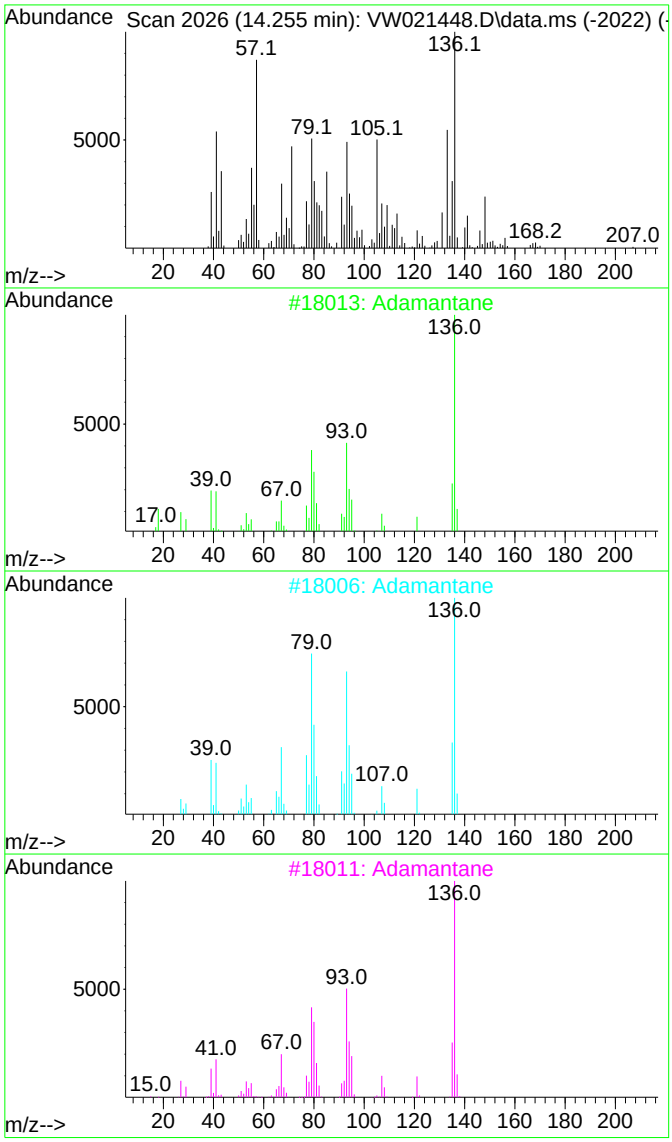
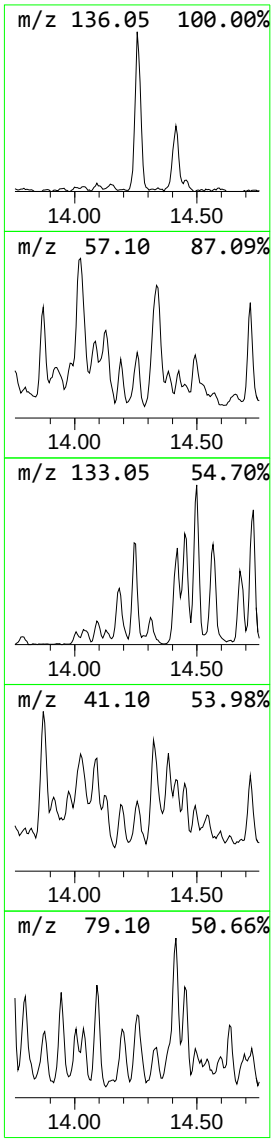
Peak Number 18 Adamantane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.255	35.09 ug/L	229570	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	60
2	Adamantane	136	C10H16	000281-23-2	60
3	Adamantane	136	C10H16	000281-23-2	60
4	Adamantane	136	C10H16	000281-23-2	60
5	Adamantane	136	C10H16	000281-23-2	60





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Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

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

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

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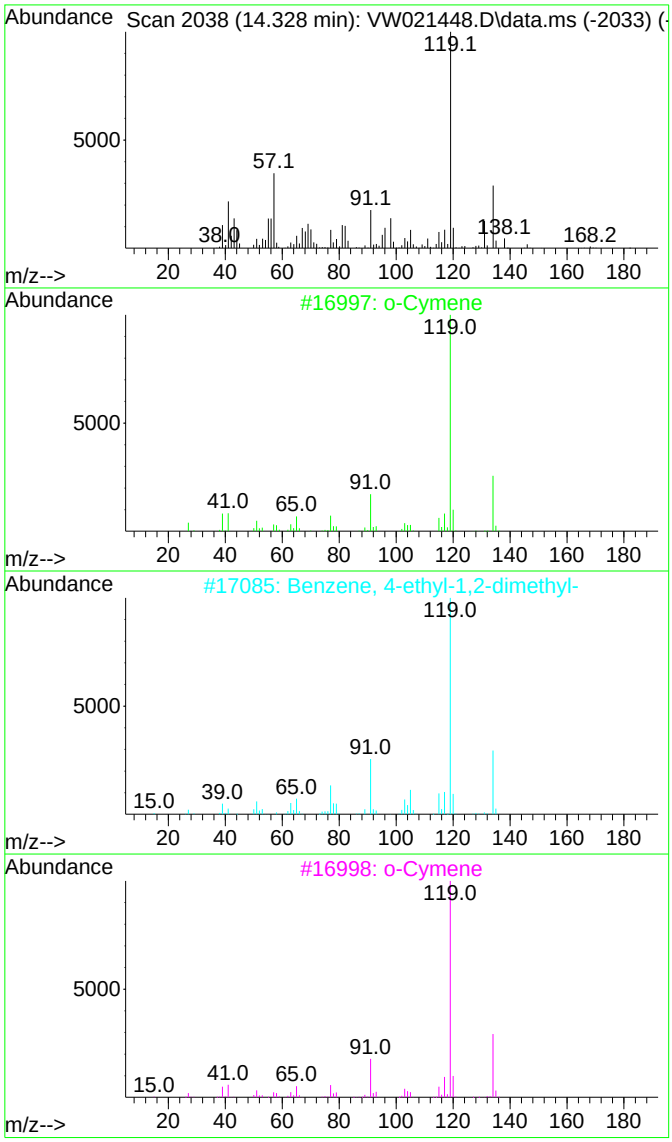
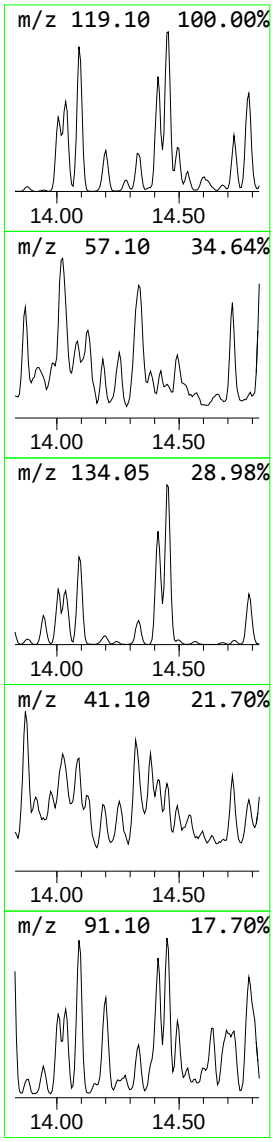
Peak Number 19 o-Cymene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.328	66.09 ug/L	432400	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

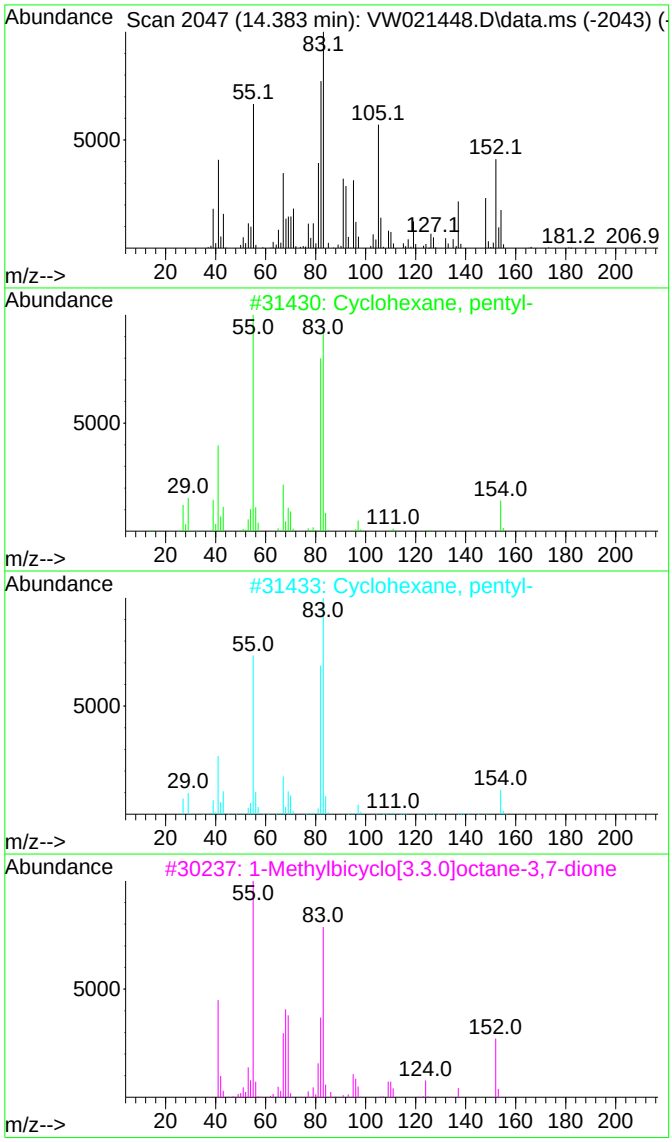
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

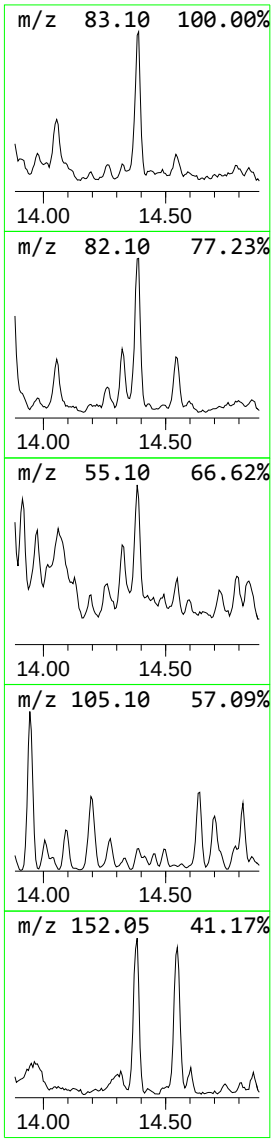
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic14.383 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	27.26 ug/L	178342	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	46
3	1-Methylbicyclo[3.3.0]octane-3,7...	152	C9H12O2	021170-08-1	46
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	45
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	43





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Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

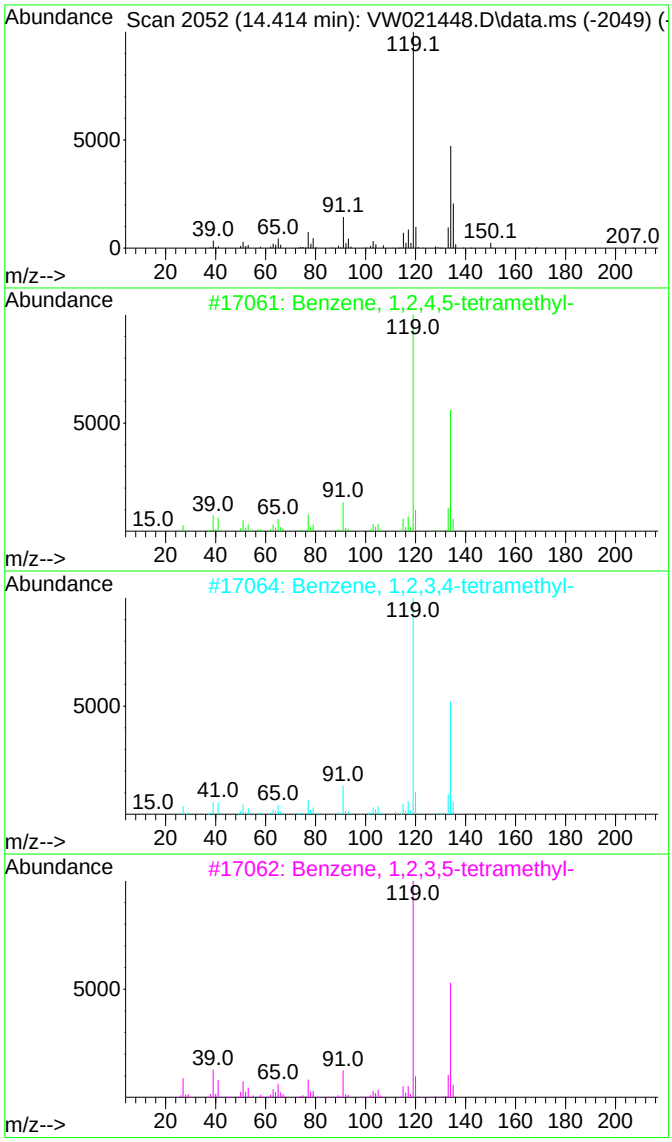
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

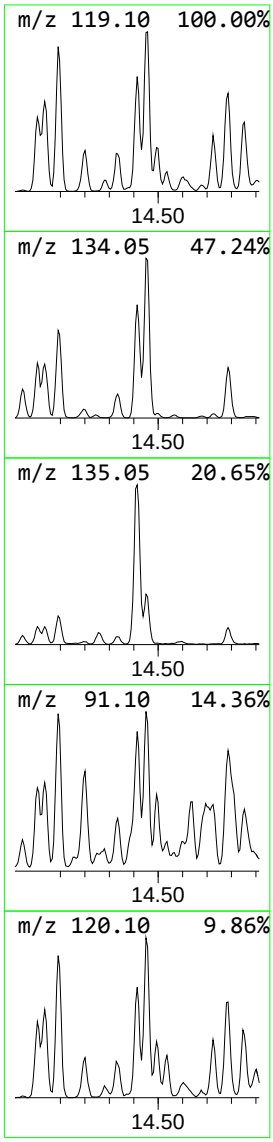
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.414	97.15 ug/L	635668	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90





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Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

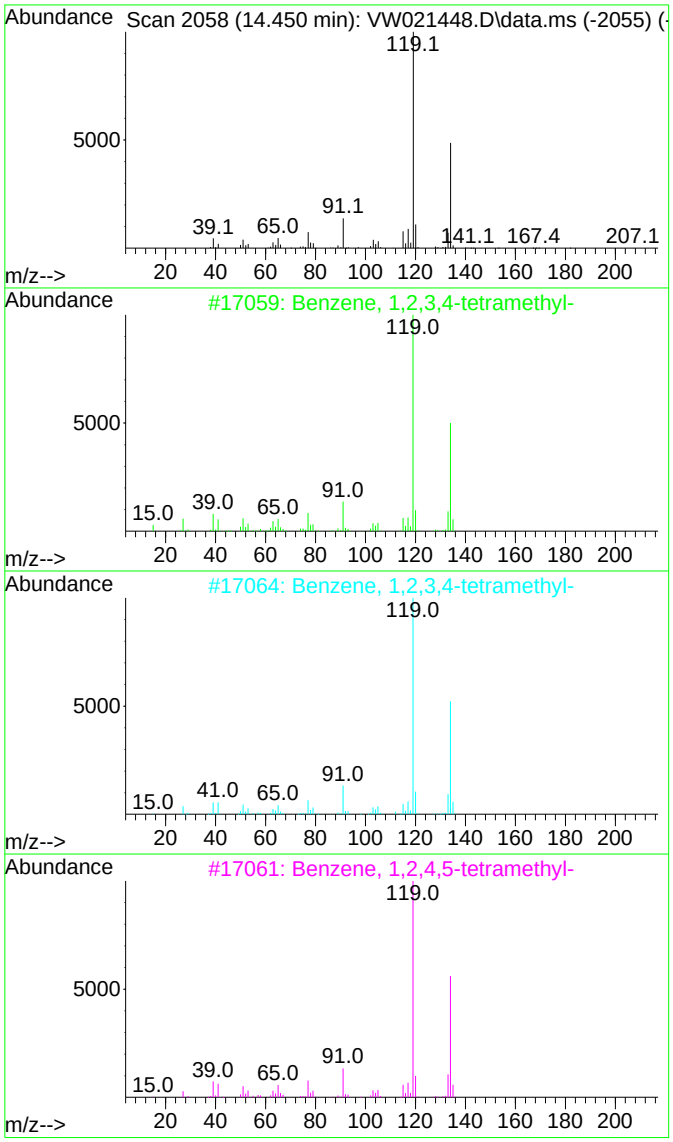
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

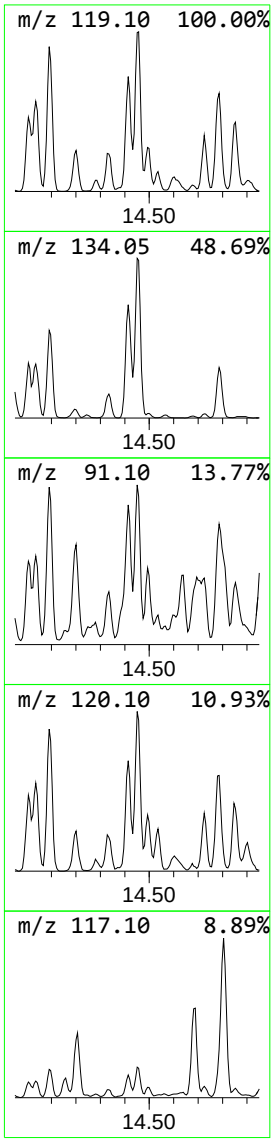
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.450	110.28 ug/L	721569	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

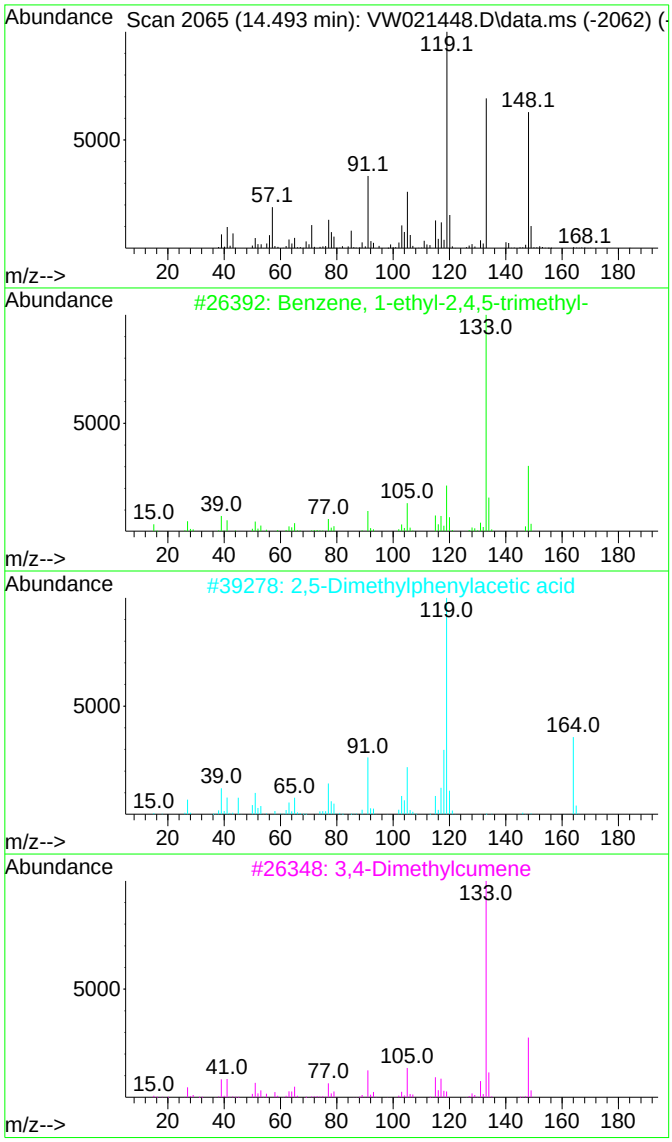
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

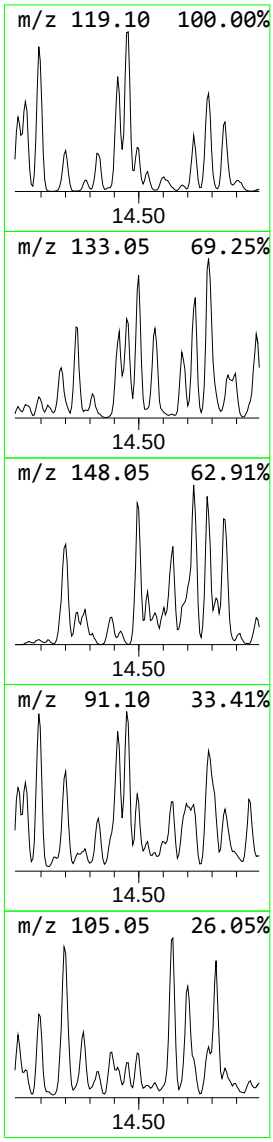
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Benzene, 1-ethyl-2,4,5-trim... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.493	31.01 ug/L	202865	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	53
2	2,5-Dimethylphenylacetic acid	164	C10H12O2	1000342-65-5	49
3	3,4-Dimethylcumene	148	C11H16	1000370-34-1	49
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	45
5	2,4-Dimethylbenzyl chloride	154	C9H11Cl	000824-55-5	43





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Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

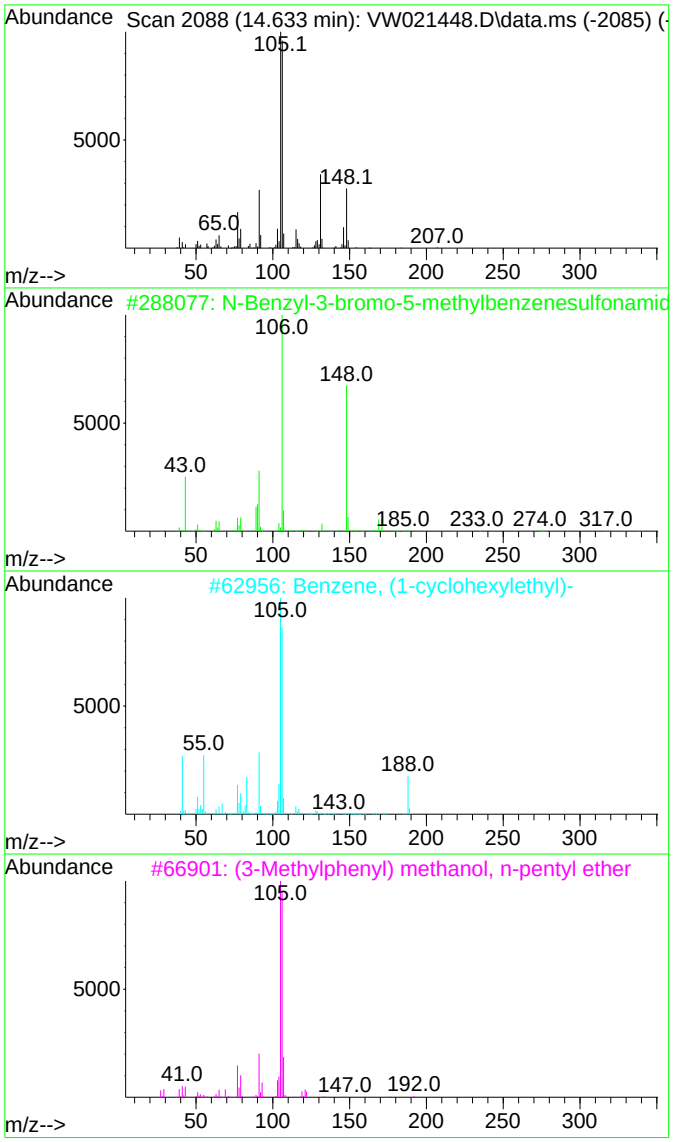
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

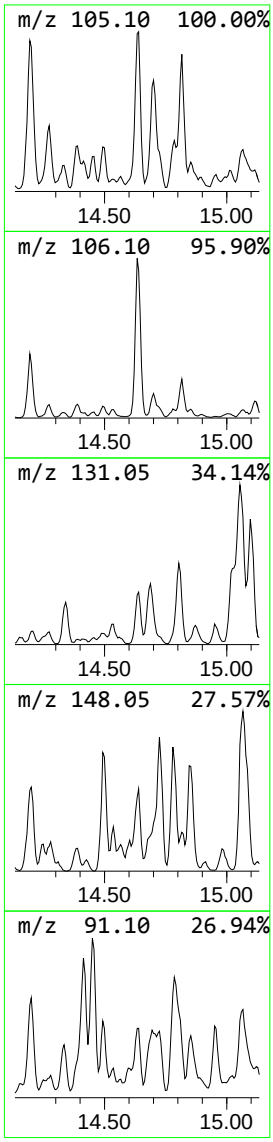
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 N-Benzyl-3-bromo-5-methylbe... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.633	29.91 ug/L	195719	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Benzyl-3-bromo-5-methylbenzene...	381	C16H16BrNO3S	1000505-09-5	50
2	Benzene, (1-cyclohexylethyl)-	188	C14H20	004413-16-5	47
3	(3-Methylphenyl) methanol, n-pen...	192	C13H20O	1000374-44-0	43
4	Propanenitrile, 3-(phenylamino)-	146	C9H10N2	001075-76-9	43
5	Propanenitrile, 3-(phenylamino)-	146	C9H10N2	001075-76-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

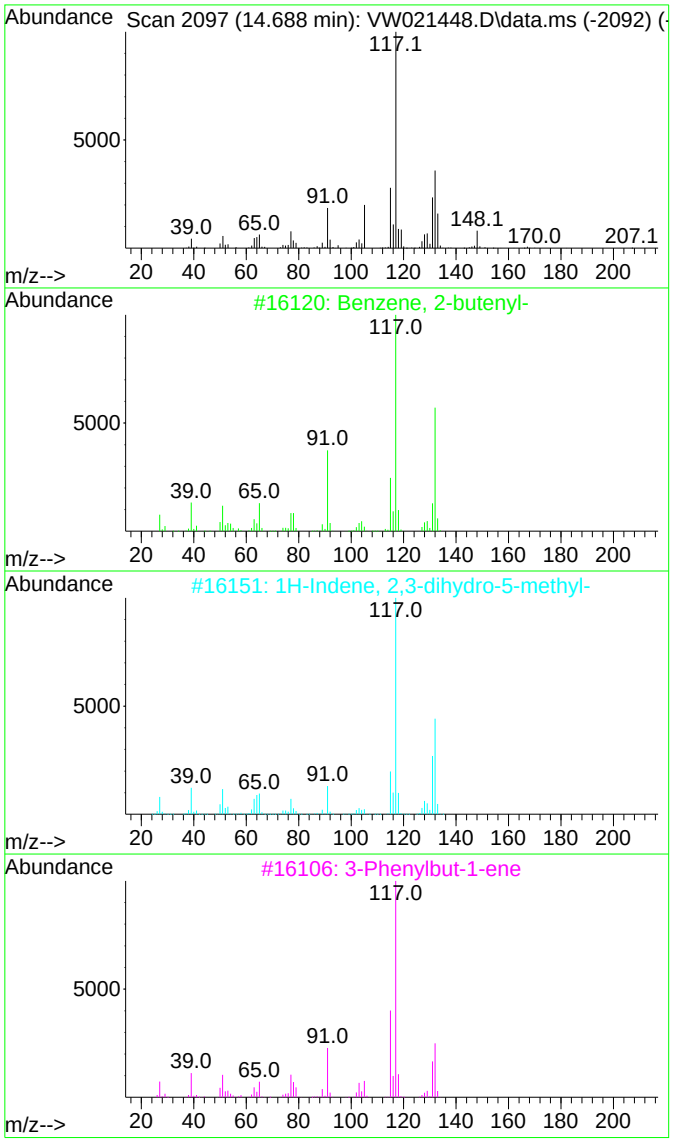
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

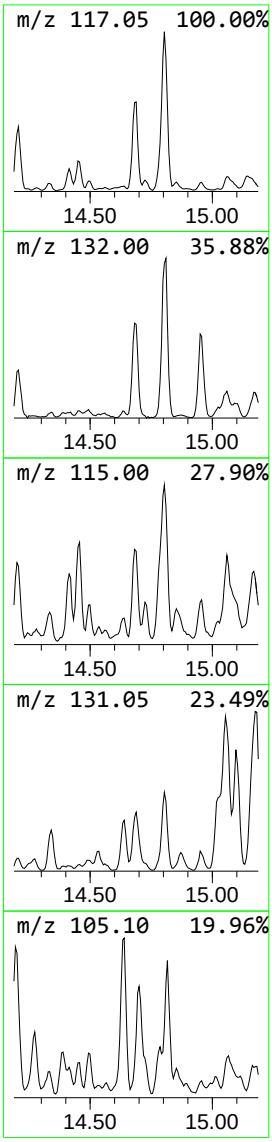
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Benzene, 2-butenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.688	52.46 ug/L	343256	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	76
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	76
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	74
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	72
5	Indan, 1-methyl-	132	C10H12	000767-58-8	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

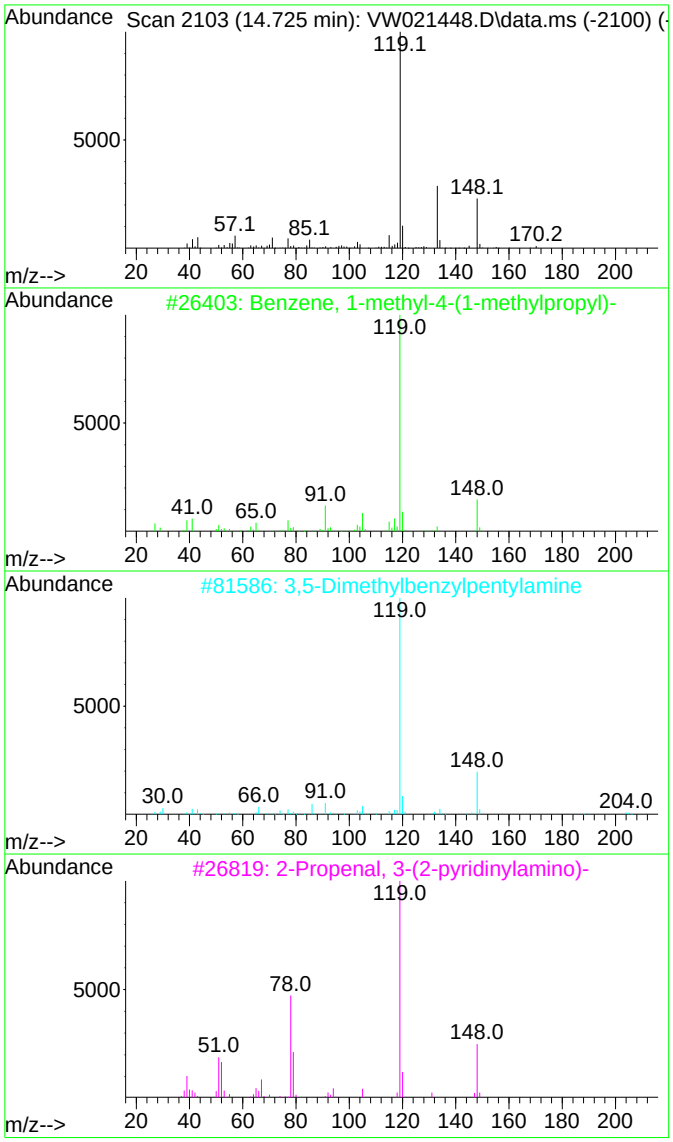
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

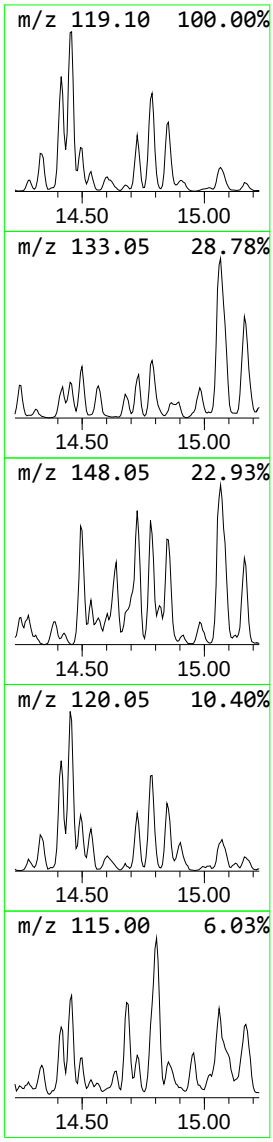
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Benzene, 1-methyl-4-(1-meth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.725	55.01 ug/L	359919	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	59
2	3,5-Dimethylbenzylpentylamine	205	C14H23N	1000491-60-8	59
3	2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	59
4	p-Cymene	134	C10H14	000099-87-6	50
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

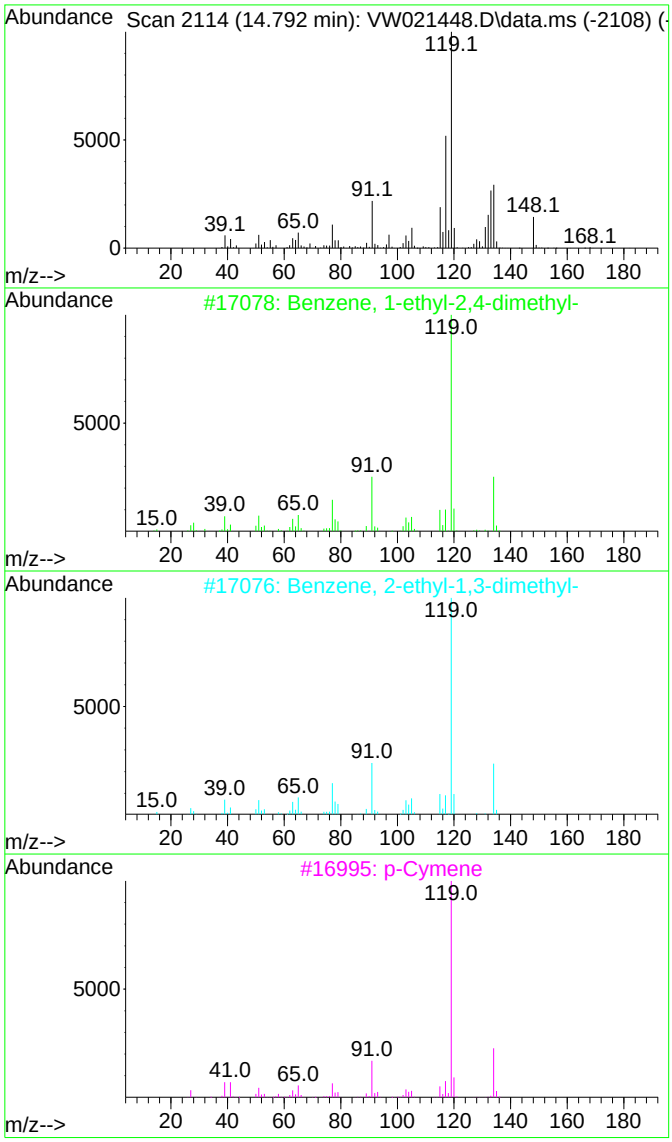
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

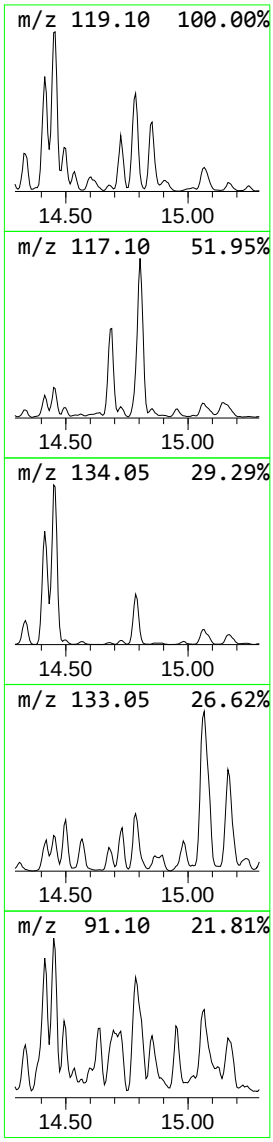
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.792	175.67 ug/L	1149430	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	55
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	55
3	p-Cymene	134	C10H14	000099-87-6	55
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	55
5	o-Cymene	134	C10H14	000527-84-4	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

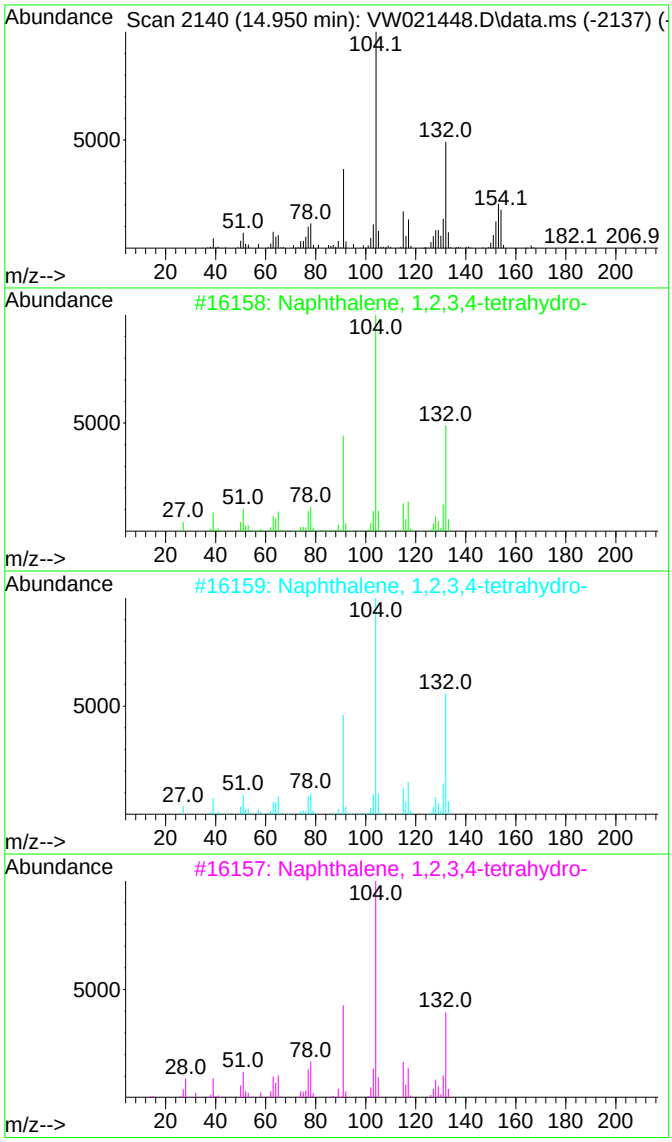
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

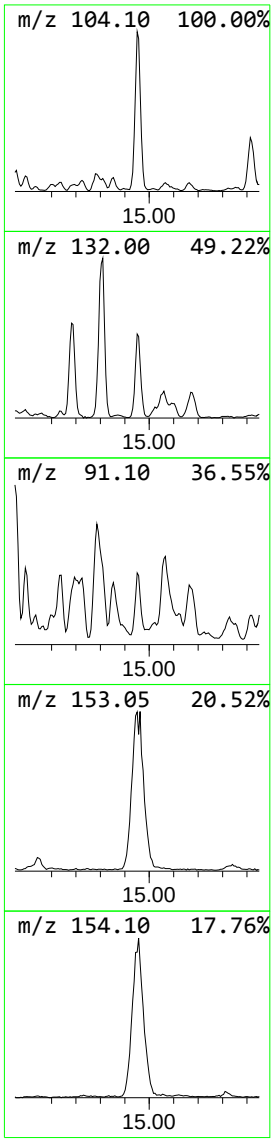
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.950	34.76 ug/L	227408	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	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	94
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	89
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	89





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

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

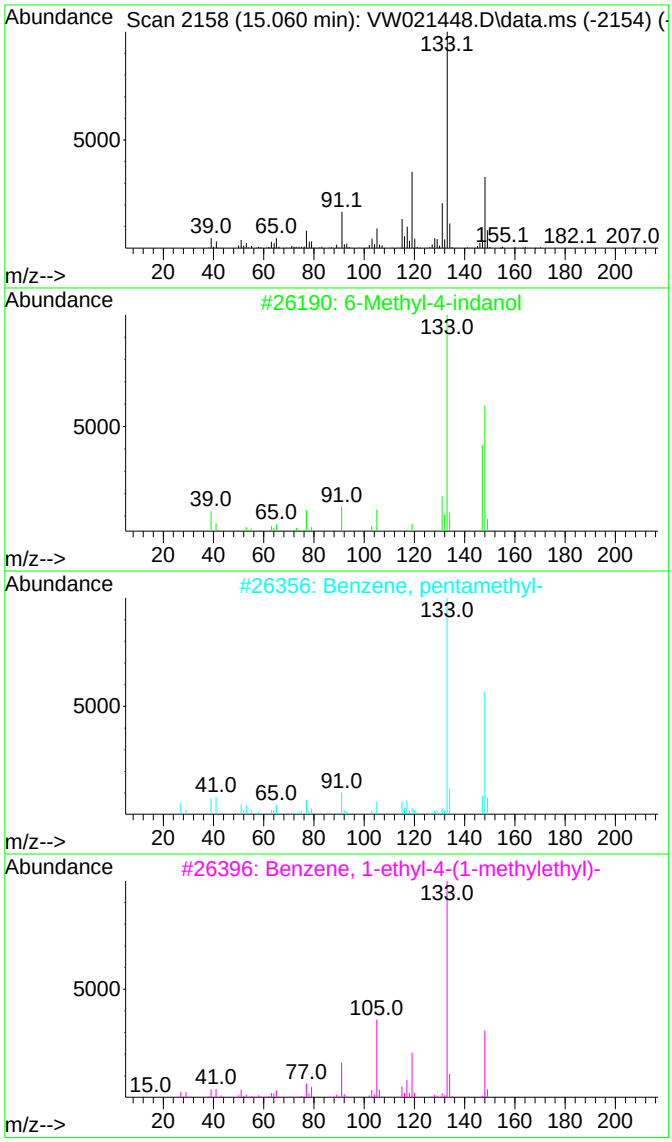
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

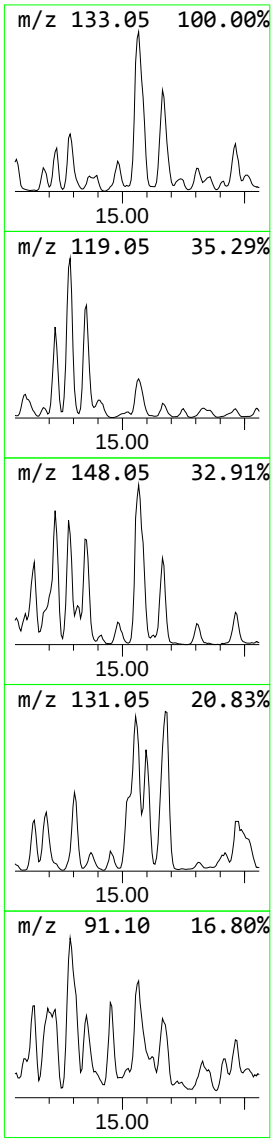
****

Peak Number 30 6-Methyl-4-indanol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	90.90 ug/L	594745	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methyl-4-indanol	148	C10H12O	020294-32-0	80
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	74
4	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	72
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

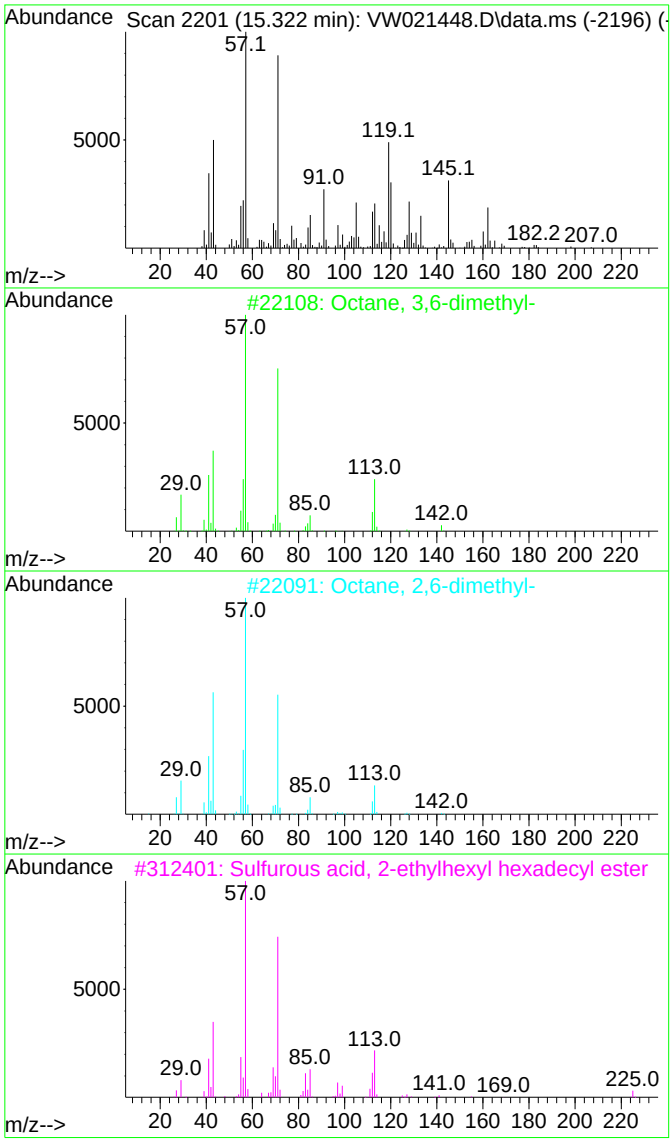
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

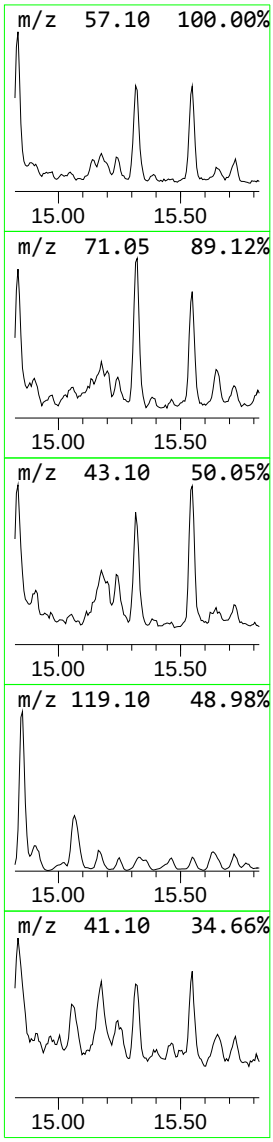
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	24.88 ug/L	162807	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	42
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	42
3	Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	38
4	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	30
5	Sulfurous acid, 2-ethylhexyl tet...	390	C22H46O3S	1000309-19-7	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

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

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

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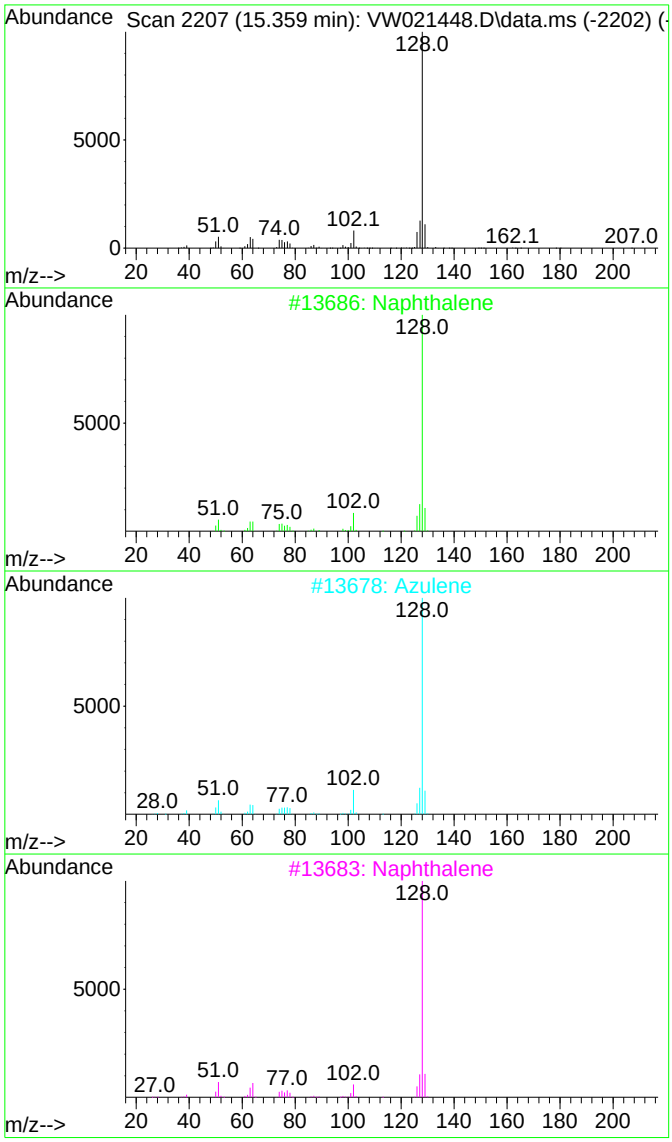
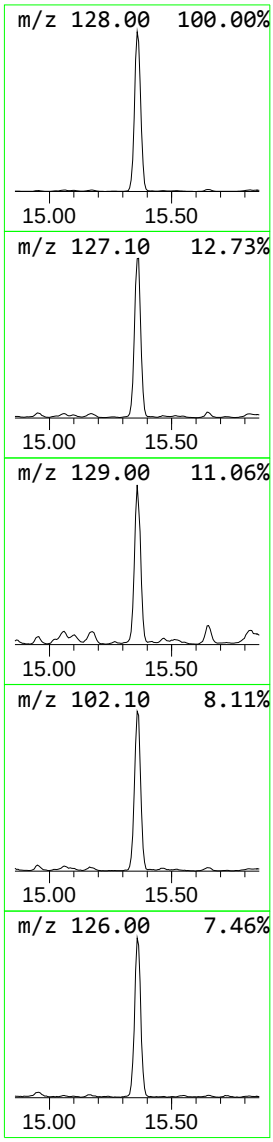
Peak Number 32 Azulene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.359	313.47 ug/L	2051050	1,4-Dichlorobenzene-d4	13.554

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

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

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

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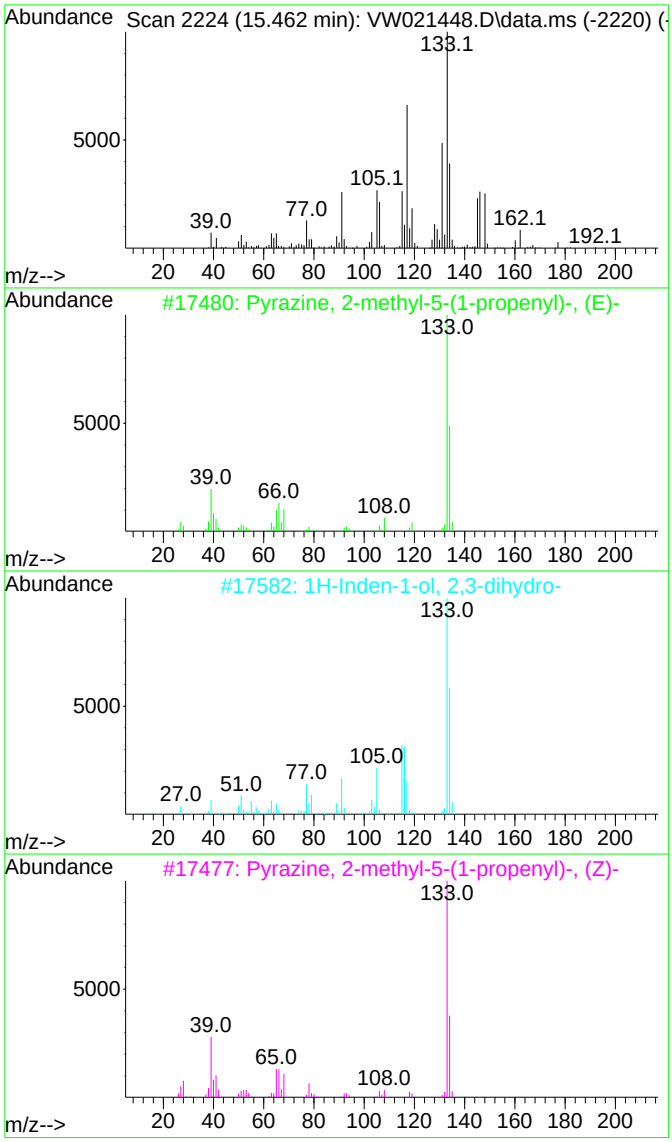
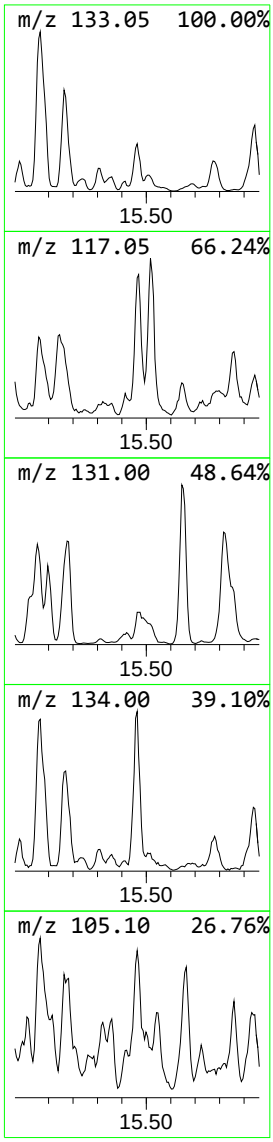
Peak Number 33 unknown-02 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.462	31.98 ug/L	209260	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrazine, 2-methyl-5-(1-propenyl...	134	C8H10N2	018217-82-8	38
2	1H-Inden-1-ol, 2,3-dihydro-	134	C9H10O	006351-10-6	38
3	Pyrazine, 2-methyl-5-(1-propenyl...	134	C8H10N2	055138-66-4	35
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	30
5	Pyrazine, 2-methyl-6-(1-propenyl...	134	C8H10N2	018217-81-7	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

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

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

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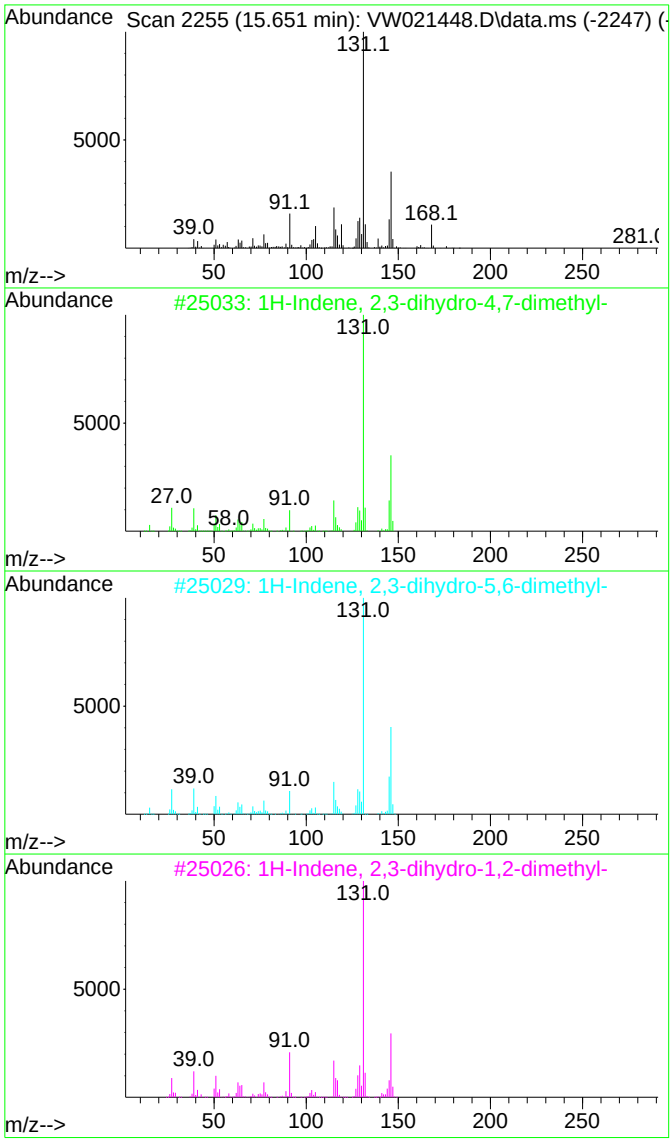
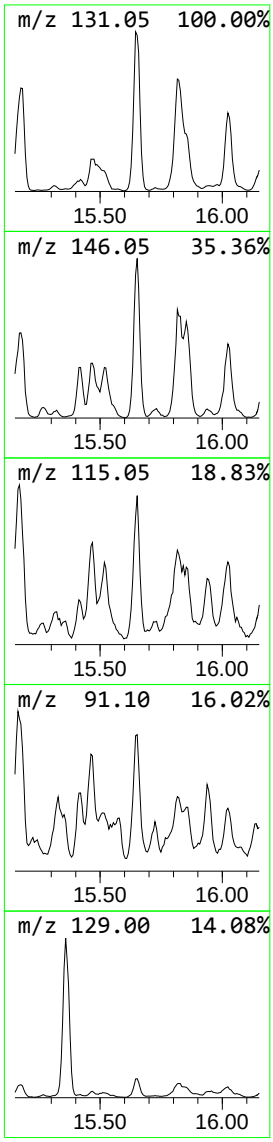
Peak Number 34 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	78.40 ug/L	512999	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	96
2	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	93
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

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

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

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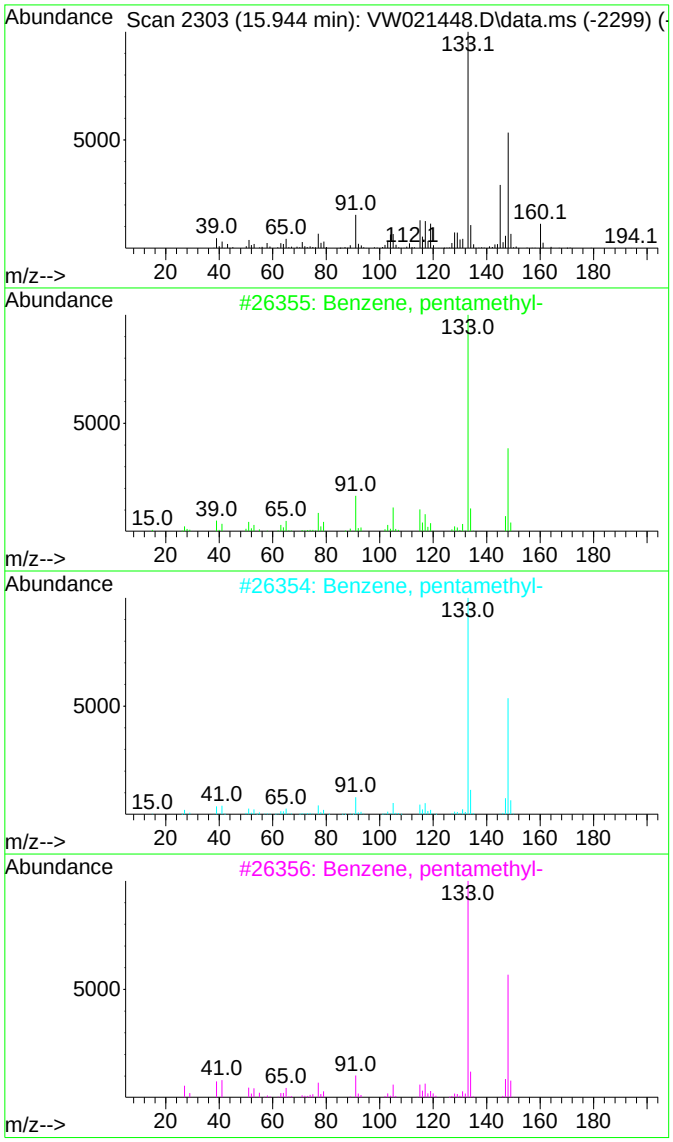
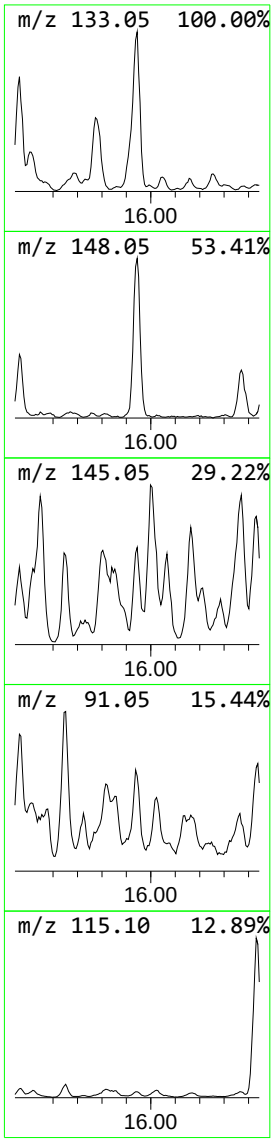
Peak Number 35 Benzene, pentamethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.944	29.15 ug/L	190715	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	81
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	68
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	64
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	64
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021448.D
Acq On : 18 Dec 2021 02:28
Operator : SY/VA
Sample : M5153-07
Misc : 5.60g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL72

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Acetaldehyde	2.495	3.1	ug/L	41378	1	8.842	333736	25.0
Butanal	6.903	2.2	ug/L	29106	1	8.842	333736	25.0
Pentanal	9.409	1.4	ug/L	18831	1	8.842	333736	25.0
(DEL) Alkane: S...	12.249	1.6	ug/L	77106	2	11.628	1219150	25.0
unknown-01	12.335	4.4	ug/L	212778	2	11.628	1219150	25.0
Benzene, propyl-	12.804	29.8	ug/L	194896	3	13.554	163574	25.0
Naphthalene, 1,...	12.865	54.2	ug/L	354539	3	13.554	163574	25.0
Benzene, 1-ethy...	13.103	67.7	ug/L	442642	3	13.554	163574	25.0
(DEL) Alkane: S...	13.164	25.6	ug/L	167204	3	13.554	163574	25.0
Benzene, 1,3-di...	13.713	18.3	ug/L	119981	3	13.554	163574	25.0
Benzene, cyclop...	13.749	92.6	ug/L	605626	3	13.554	163574	25.0
Benzene, 1-meth...	13.792	31.7	ug/L	207474	3	13.554	163574	25.0
Benzene, 1-meth...	13.944	22.7	ug/L	148459	3	13.554	163574	25.0
Benzene, 2-ethy...	14.005	38.2	ug/L	249867	3	13.554	163574	25.0
p-Cymene	14.200	67.9	ug/L	444151	3	13.554	163574	25.0
Adamantane	14.255	35.1	ug/L	229570	3	13.554	163574	25.0
o-Cymene	14.328	66.1	ug/L	432400	3	13.554	163574	25.0
(DEL) Alkane: C...	14.383	27.3	ug/L	178342	3	13.554	163574	25.0
Benzene, 1,2,4,...	14.414	97.2	ug/L	635668	3	13.554	163574	25.0
Benzene, 1,2,3,...	14.450	110.3	ug/L	721569	3	13.554	163574	25.0
Benzene, 1-ethy...	14.493	31.0	ug/L	202865	3	13.554	163574	25.0
N-Benzyl-3-brom...	14.633	29.9	ug/L	195719	3	13.554	163574	25.0
Benzene, 2-bute...	14.688	52.5	ug/L	343256	3	13.554	163574	25.0
Benzene, 1-meth...	14.725	55.0	ug/L	359919	3	13.554	163574	25.0
Benzene, 1-ethy...	14.792	175.7	ug/L	1149430	3	13.554	163574	25.0
Naphthalene, 1,...	14.950	34.8	ug/L	227408	3	13.554	163574	25.0
6-Methyl-4-indanol	15.060	90.9	ug/L	594745	3	13.554	163574	25.0
(DEL) Alkane: S...	15.322	24.9	ug/L	162807	3	13.554	163574	25.0
Azulene	15.359	313.5	ug/L	2051050	3	13.554	163574	25.0
unknown-02	15.462	32.0	ug/L	209260	3	13.554	163574	25.0
1H-Indene, 2,3-...	15.651	78.4	ug/L	512999	3	13.554	163574	25.0
Benzene, pentam...	15.944	29.1	ug/L	190715	3	13.554	163574	25.0