LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

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

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

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

Signal : TIC: VW021154.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.959	6	9	18	rVB2	3418	6003	0.06%	0.018%
2	2.355	65	74	86	rVB2	71205	127768	1.24%	0.381%
3	2.501	92	98	109	rBV	17243	33505	0.33%	0.100%
4	2.885	154	161	173	rVV	24348	49715	0.48%	0.148%
5	3.684	282	292	310	rBV	269300	656839	6.39%	1.958%
6	4.019	335	347	357	rVV2	57519	170082	1.66%	0.507%
7	4.135	357	366	384	rVV	137886	394368	3.84%	1.176%
8	4.922	484	495	510	rBB2	12182	39986	0.39%	0.119%
9	5.787	626	637	652	rBB3	6078	20279	0.20%	0.060%
10	6.110	678	690	702	rVV2	34045	103178	1.00%	0.308%
11	6.220	702	708	718	rVV2	2217	6313	0.06%	0.019%
12	6.903	811	820	830	rVV3	7076	21169	0.21%	0.063%
13	7.086	841	850	855	rVV	7294	19158	0.19%	0.057%
14	7.171	855	864	874	rVV	200327	529583	5.15%	1.579%
15	7.256	874	878	886	rVB2	3562	8971	0.09%	0.027%
16	7.653	933	943	955	rBB	73175	180462	1.76%	0.538%
17	7.878	970	980	987	rBV2	5385	13331	0.13%	0.040%
18	8.281	1035	1046	1049	rBV	144166	342220	3.33%	1.020%
19	8.323	1049	1053	1061	rVV2	183579	411159	4.00%	1.226%
20	8.403	1061	1066	1074	rVB	21077	43429	0.42%	0.129%
21	8.707	1107	1116	1127	rBV	13874	32296	0.31%	0.096%
22	8.842	1131	1138	1155	rVB	145334	291572	2.84%	0.869%
23	9.092	1170	1179	1190	rBV	447970	878759	8.55%	2.620%
24	9.274	1195	1209	1224	rBV	94346	198964	1.94%	0.593%
25	9.409	1224	1231	1242	rVV2	8761	19558	0.19%	0.058%
26	10.036	1327	1334	1340	rBV	49228	84909	0.83%	0.253%
27	10.213	1355	1363	1374	rBV	39504	70950	0.69%	0.211%
28	10.323	1374	1381	1386	rBV	217942	385360	3.75%	1.149%
29	10.390	1386	1392	1404	rVB	353099	619624	6.03%	1.847%
30	10.506	1404	1411	1417	rVB3	4031	7340	0.07%	0.022%
31	10.579	1417	1423	1433	rBV	30174	51253	0.50%	0.153%
32	10.859	1460	1469	1475	rBV2	38503	69338	0.67%	0.207%
33	10.927	1475	1480	1485	rBV	32094	54458	0.53%	0.162%
34	11.347	1542	1549	1553	rBV2	4035	8413	0.08%	0.025%
35	11.414	1554	1560	1570	rVB4	7098	17386	0.17%	0.052%
36	11.512	1571	1576	1586	rVB3	6711	15367	0.15%	0.046%

LSC Area Percent Report

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Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

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

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

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

37	11.634	1588	1596	1605	rBV	216915	394650	3.84%	1.176%
38	11.731	1605	1612	1621	rVB	214103	339069	3.30%	1.011%
39	11.835	1621	1629	1641	rBV	805575	1551827	15.10%	4.626%
40	11.987	1648	1654	1658	rBV3	4376	7929	0.08%	0.024%
41	12.164	1671	1683	1691	rBV2	362642	702084	6.83%	2.093%
42	12.243	1691	1696	1702	rVB3	13563	29308	0.29%	0.087%
43	12.335	1702	1711	1714	rBV9	10478	26597	0.26%	0.079%
44	12.463	1726	1732	1737	rBV	85143	135806	1.32%	0.405%
45	12.506	1737	1739	1740	rVV2	5916	5872	0.06%	0.018%
46	12.536	1742	1744	1746	rVV2	9089	11895	0.12%	0.035%
47	12.567	1746	1749	1753	rVB4	12944	16388	0.16%	0.049%
48	12.652	1759	1763	1765	rBV	7612	10190	0.10%	0.030%
49	12.695	1765	1770	1776	rVB	62219	101275	0.99%	0.302%
50	12.798	1777	1787	1792	rVB	41501	82410	0.80%	0.246%
51	12.865	1792	1798	1801	rBV	177052	280804	2.73%	0.837%
52	12.896	1801	1803	1806	rVV2	73832	111062	1.08%	0.331%
53	12.938	1806	1810	1816	rVV2	162429	279992	2.72%	0.835%
54	12.987	1816	1818	1824	rVB3	13737	18896	0.18%	0.056%
55	13.103	1828	1837	1843	rBV	87212	173772	1.69%	0.518%
56	13.164	1843	1847	1851	rBV3	12078	14871	0.14%	0.044%
57	13.249	1855	1861	1866	rBV	403197	610804	5.94%	1.821%
58	13.292	1866	1868	1873	rVB3	15431	20999	0.20%	0.063%
59	13.377	1873	1882	1886	rBV4	10720	28360	0.28%	0.085%
60	13.444	1887	1893	1896	rBV2	26605	43942	0.43%	0.131%
61	13.487	1896	1900	1905	rVB3	15365	26134	0.25%	0.078%
62	13.554	1905	1911	1921	rBV2	263343	622962	6.06%	1.857%
63	13.719	1932	1938	1939	rBV2	16508	23538	0.23%	0.070%
64	13.749	1939	1943	1947	rVV2	99656	193628	1.88%	0.577%
65	13.786	1947	1949	1955	rVV3	74671	136837	1.33%	0.408%
66	13.853	1955	1960	1968	rVV2	225834	492241	4.79%	1.467%
67	13.944	1968	1975	1980	rVV2	30919	60092	0.58%	0.179%
68	14.011	1981	1986	1988	rVV	37063	65191	0.63%	0.194%
69	14.036	1988	1990	1995	rVV	42609	59949	0.58%	0.179%
70	14.097	1995	2000	2005	rVB	57792	89851	0.87%	0.268%
71	14.200	2012	2017	2022	rVV3	43601	74313	0.72%	0.222%
72	14.249	2022	2025	2032	rVV5	8281	21096	0.21%	0.063%
73	14.334	2032	2039	2043	rVV3	23845	48263	0.47%	0.144%
74	14.414	2043	2052	2055	rVV2	71601	163834	1.59%	0.488%
75	14.456	2055	2059	2062	rVV	78163	129605	1.26%	0.386%
76	14.493	2062	2065	2069	rVV2	52021	90322	0.88%	0.269%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

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

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

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

77	14.536	2069	2072	2080	rVV2	21767	43611	0.42%	0.130%
78	14.639	2084	2089	2092	rVB2	16176	24650	0.24%	0.073%
79	14.682	2092	2096	2100	rBV2	43233	74825	0.73%	0.223%
80	14.725	2100	2103	2108	rVB2	30831	45106	0.44%	0.134%
81	14.798	2108	2115	2121	rBV3	86647	225125	2.19%	0.671%
82	14.853	2121	2124	2129	rVB	15642	24841	0.24%	0.074%
83	14.956	2136	2141	2148	rBV2	29686	54185	0.53%	0.162%
84	15.060	2153	2158	2166	rBV3	38292	91366	0.89%	0.272%
85	15.170	2172	2176	2183	rVB3	29214	63642	0.62%	0.190%
86	15.365	2195	2208	2217	rBV	2521251	4480443	43.60%	13.356%
87	15.462	2217	2224	2230	rVV	88347	176376	1.72%	0.526%
88	15.517	2230	2233	2236	rVV2	13352	25072	0.24%	0.075%
89	15.548	2236	2238	2248	rVB3	18535	32717	0.32%	0.098%
90	15.651	2248	2255	2262	rBV2	40374	81153	0.79%	0.242%
91	15.724	2263	2267	2271	rBV5	4636	6864	0.07%	0.020%
92	15.822	2271	2283	2295	rBV4	34884	112420	1.09%	0.335%
93	15.944	2297	2303	2310	rBV	27363	63892	0.62%	0.190%
94	16.023	2310	2316	2324	rVB2	31004	69437	0.68%	0.207%
95	16.163	2331	2339	2345	rBV5	14025	40456	0.39%	0.121%
96	16.261	2350	2355	2362	rVV	13370	31324	0.30%	0.093%
97	16.371	2362	2373	2376	rVV2	80430	189080	1.84%	0.564%
98	16.438	2376	2384	2397	rVV	4908071	10276526	100.00%	30.634%
99	16.560	2397	2404	2409	rVV	66480	159641	1.55%	0.476%
100	16.639	2409	2417	2430	rVB2	1760774	3873652	37.69%	11.547%

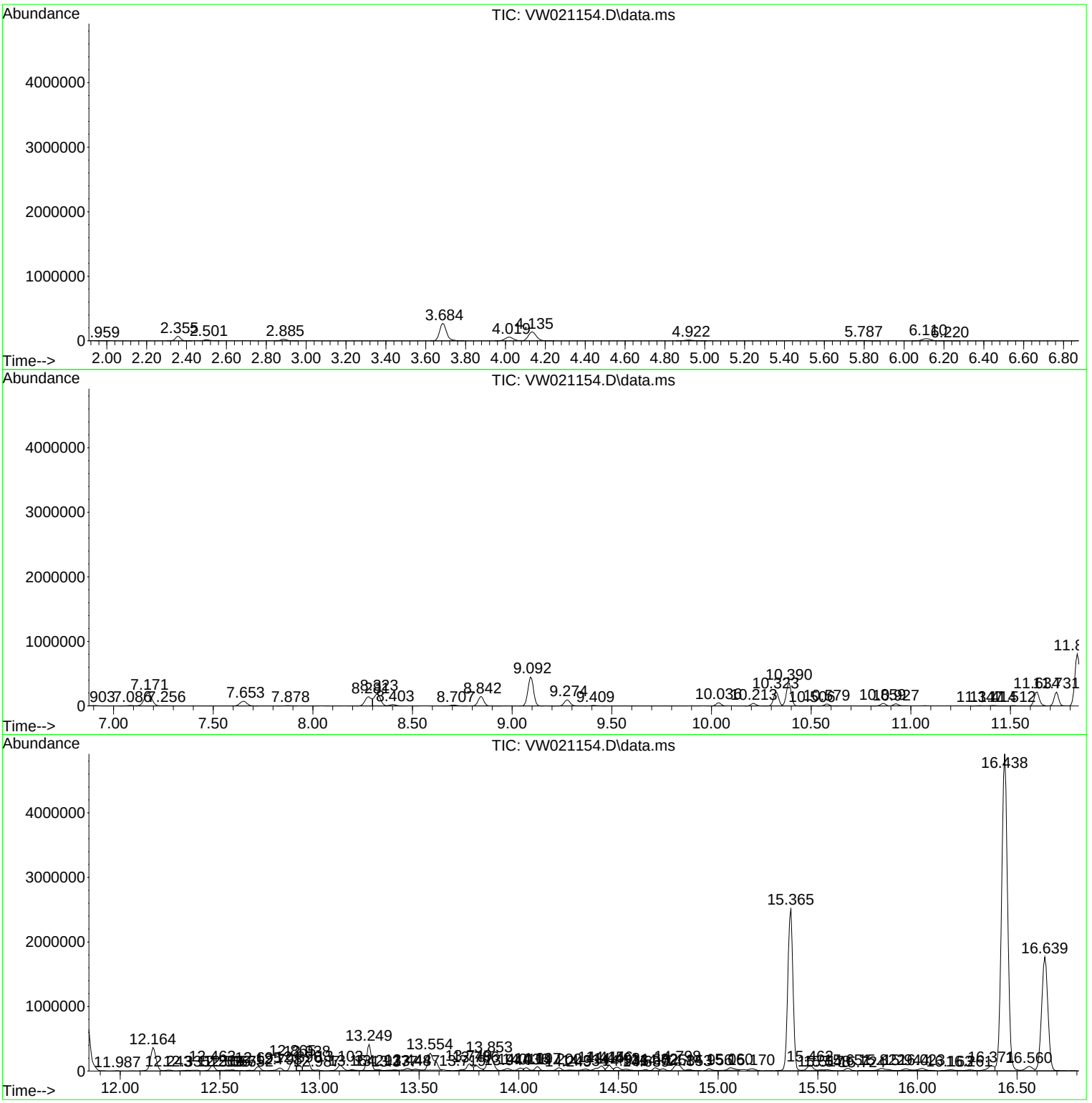
Sum of corrected areas: 33546127

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

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

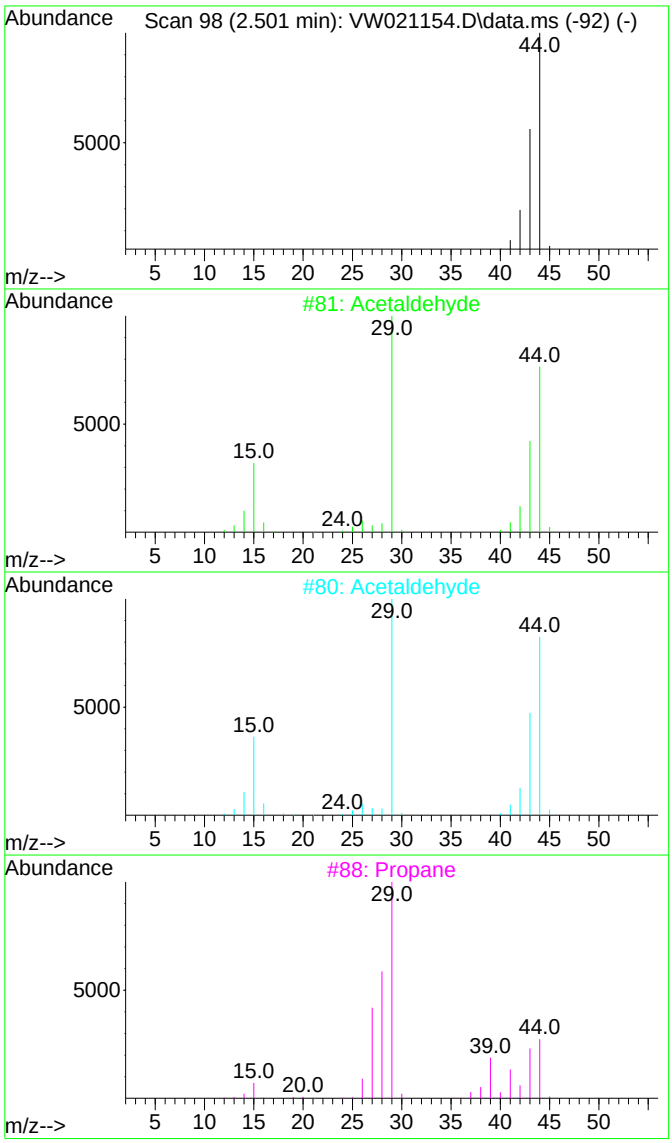
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

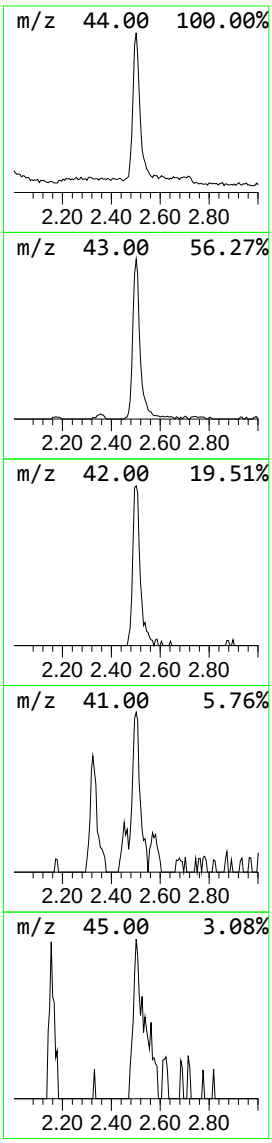
****

Peak Number 1 Acetaldehyde Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.501	2.87 ug/L	33505	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	Ethylene oxide	44	C2H4O	000075-21-8	5
5	Ethylene oxide	44	C2H4O	000075-21-8	5





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

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

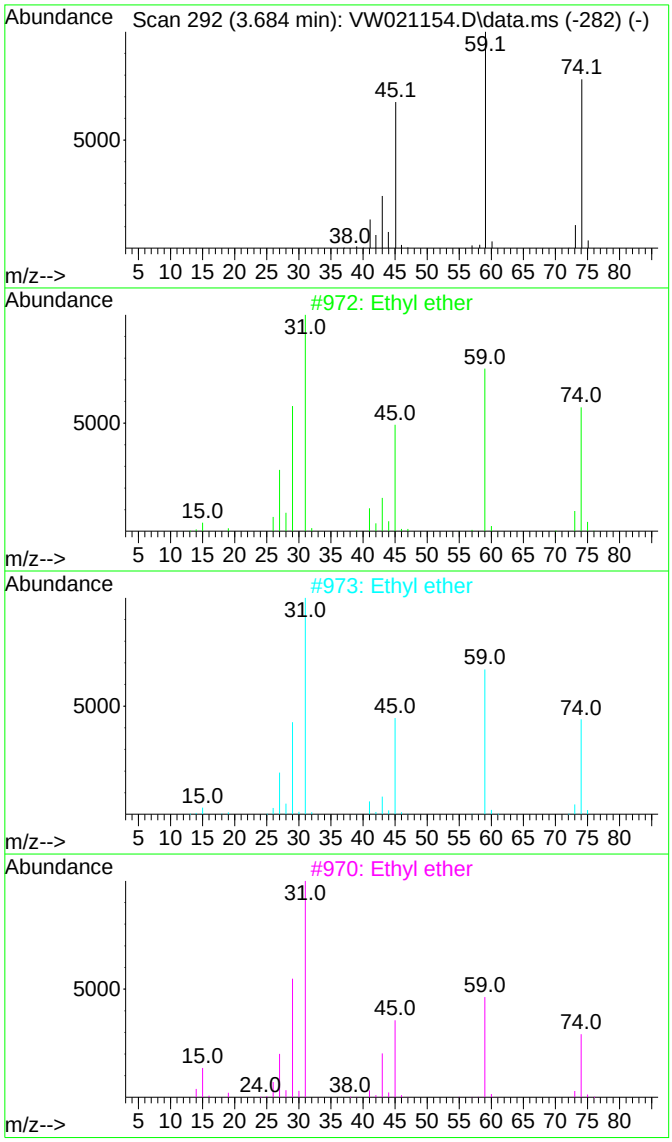
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

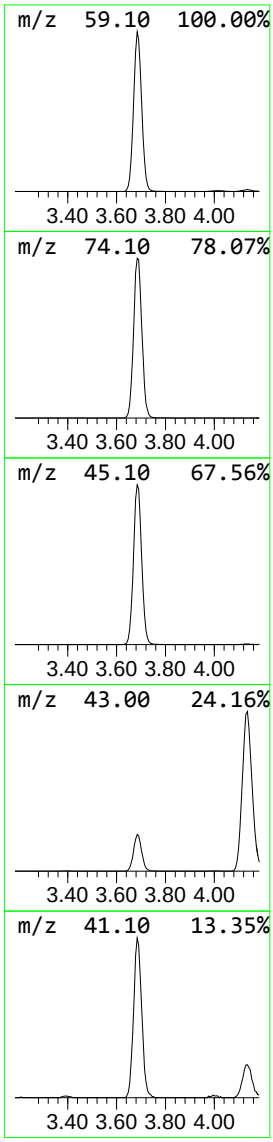
****

Peak Number 2 Ethyl ether Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.684	56.32 ug/L	656839	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl ether	74	C4H10O	000060-29-7	90
2	Ethyl ether	74	C4H10O	000060-29-7	90
3	Ethyl ether	74	C4H10O	000060-29-7	83
4	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	72
5	Ethyl ether	74	C4H10O	000060-29-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

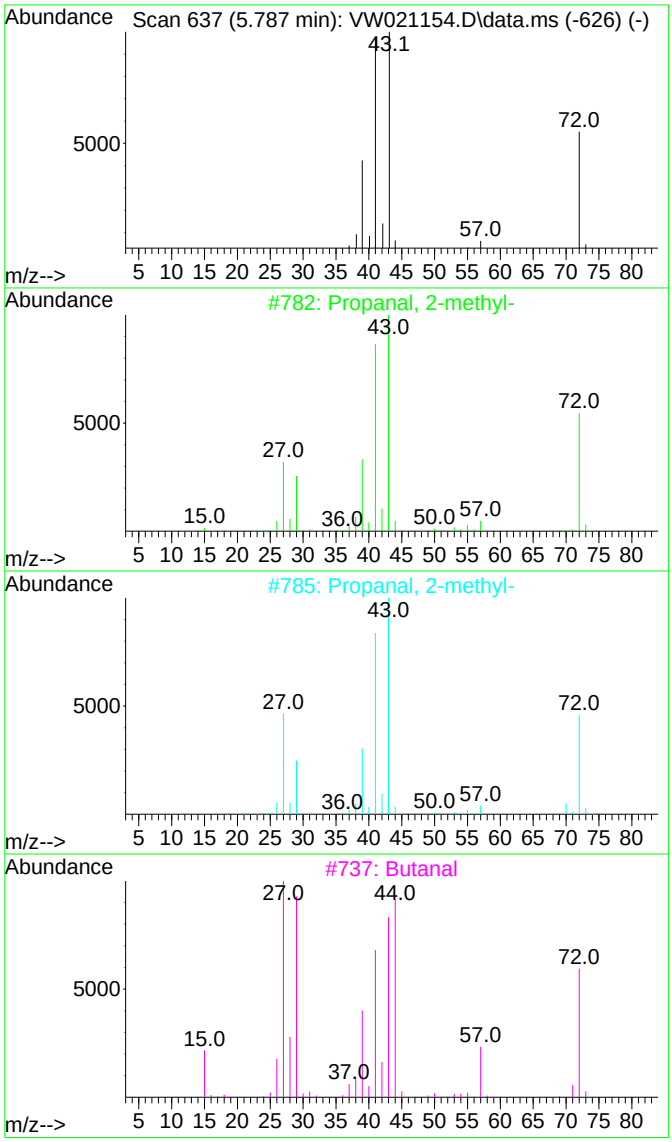
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

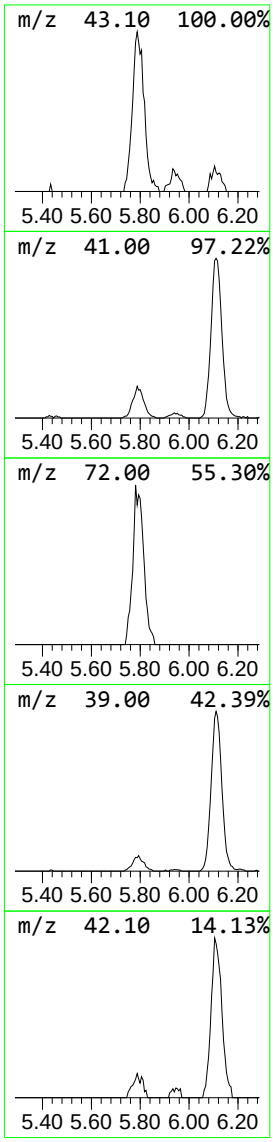
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Propanal, 2-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.787	1.74 ug/L	20279	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2-methyl-	72	C4H8O	000078-84-2	91
2	Propanal, 2-methyl-	72	C4H8O	000078-84-2	91
3	Butanal	72	C4H8O	000123-72-8	64
4	Propanal, 2-methyl-	72	C4H8O	000078-84-2	58
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

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

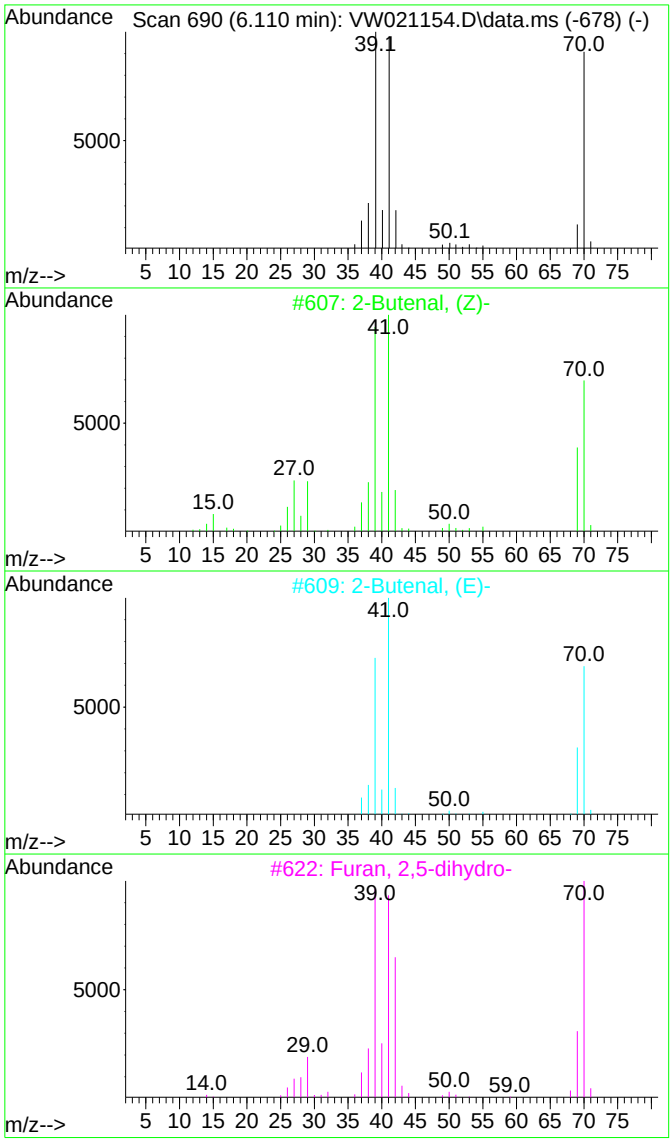
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

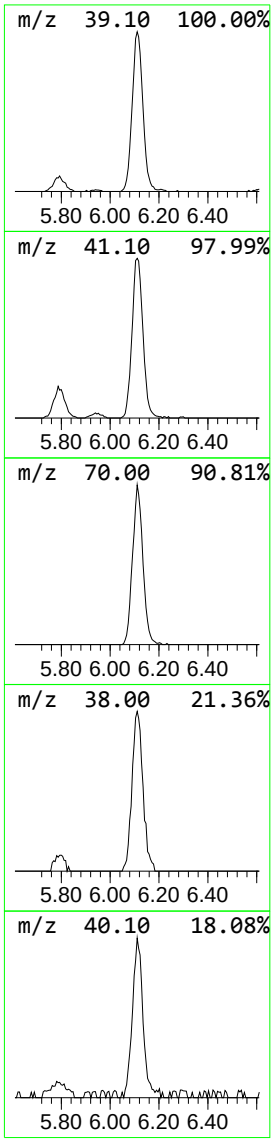
****

Peak Number 4 2-Butenal, (Z)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.110	8.85 ug/L	103178	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, (Z)-	70	C4H6O	015798-64-8	91
2	2-Butenal, (E)-	70	C4H6O	000123-73-9	91
3	Furan, 2,5-dihydro-	70	C4H6O	001708-29-8	91
4	Methacrolein	70	C4H6O	000078-85-3	90
5	Cyclopropanecarboxaldehyde	70	C4H6O	001489-69-6	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

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

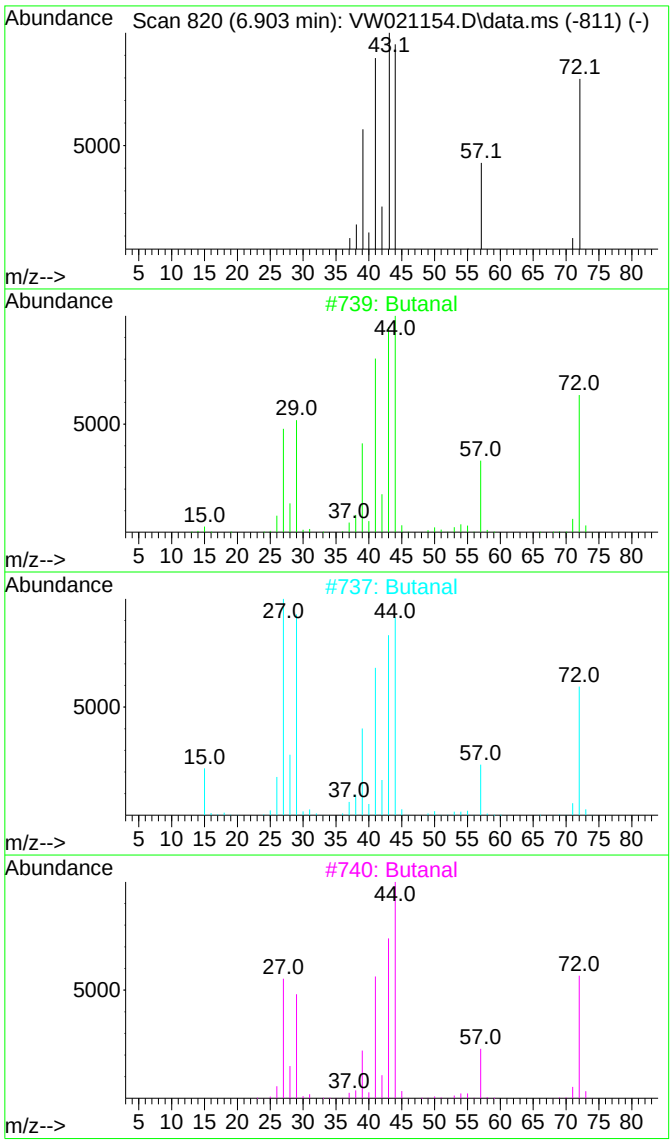
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

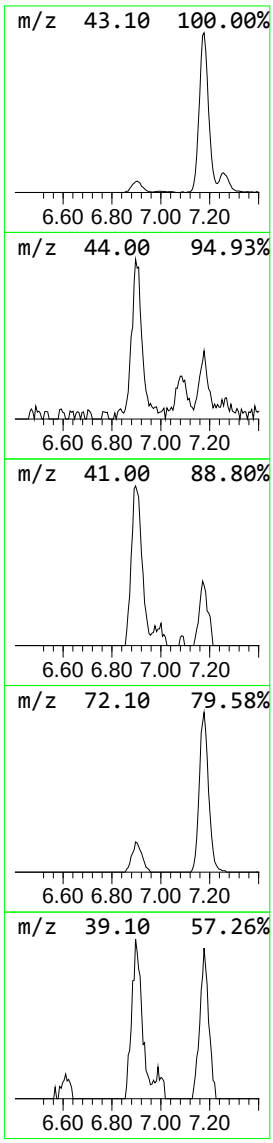
****

Peak Number 5 Butanal Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.903	1.82 ug/L	21169	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	91
2	Butanal	72	C4H8O	000123-72-8	90
3	Butanal	72	C4H8O	000123-72-8	53
4	Propane	44	C3H8	000074-98-6	50
5	Propane	44	C3H8	000074-98-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

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

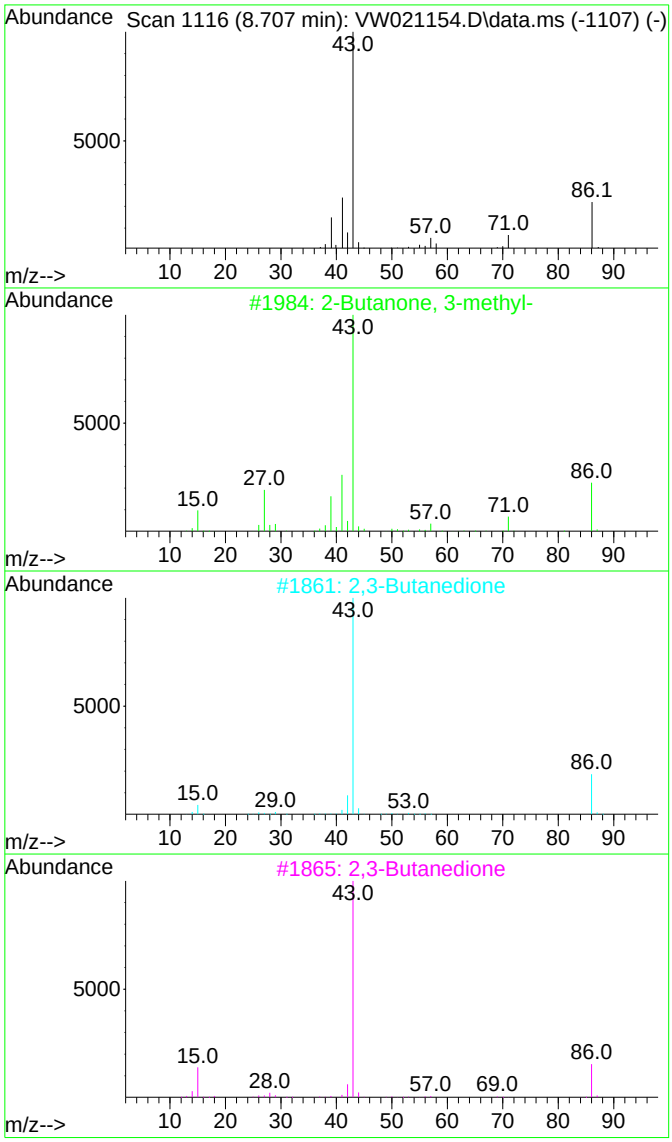
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

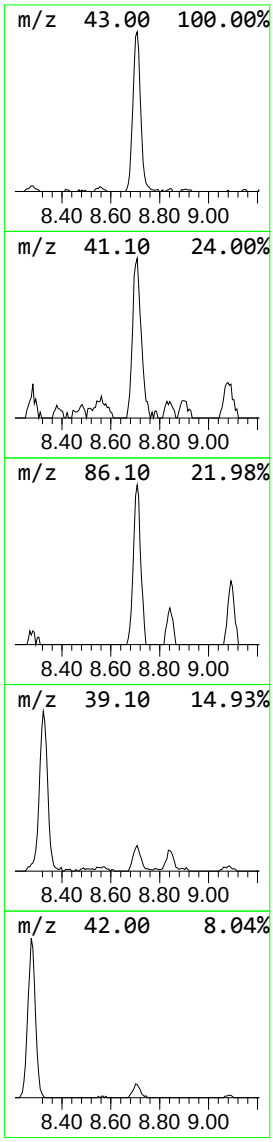
****

Peak Number 6 2-Butanone, 3-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.707	2.77 ug/L	32296	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	72
2	2,3-Butanedione	86	C4H6O2	000431-03-8	64
3	2,3-Butanedione	86	C4H6O2	000431-03-8	64
4	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	59
5	2-Pentanone	86	C5H10O	000107-87-9	59





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Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

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

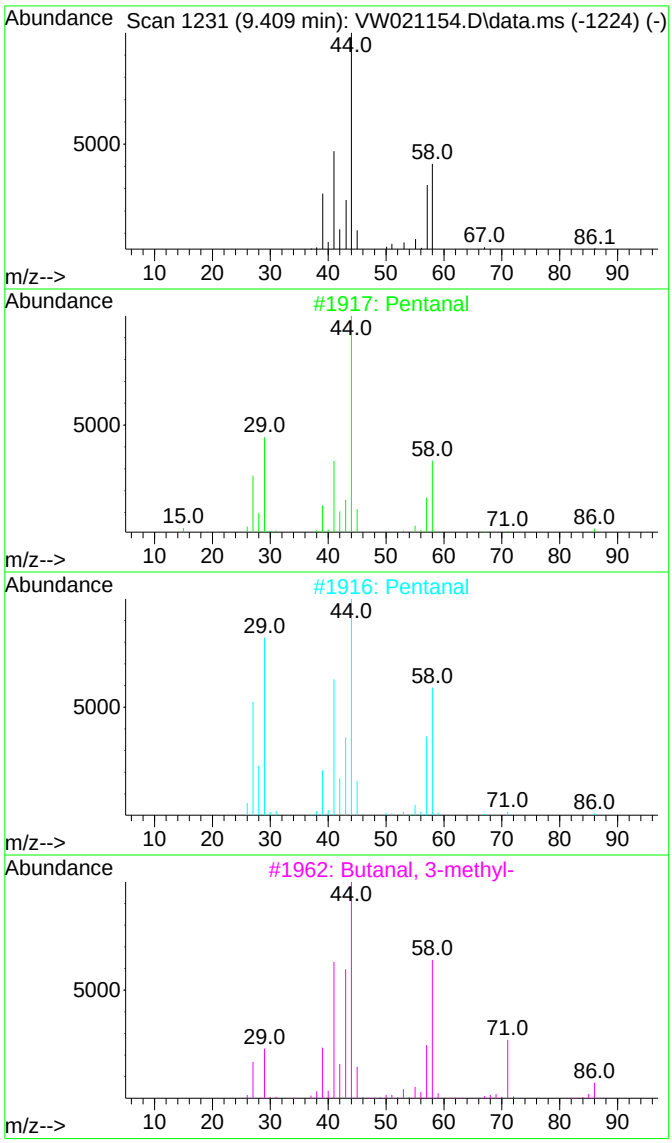
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

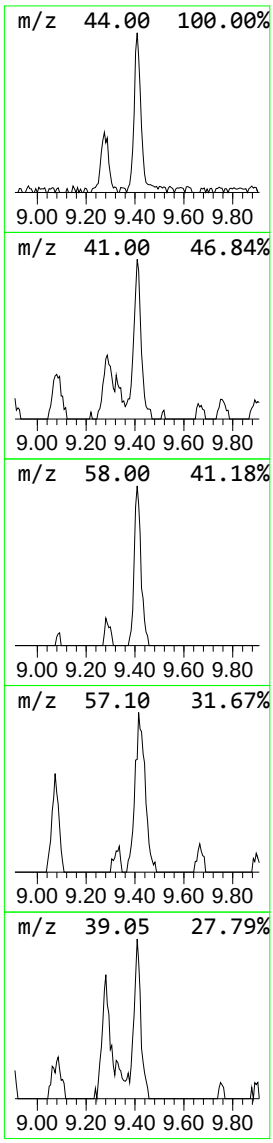
****

Peak Number 7 Pentanal Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.409	1.68 ug/L	19558	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	90
2	Pentanal	86	C5H10O	000110-62-3	78
3	Butanal, 3-methyl-	86	C5H10O	000590-86-3	74
4	Pentanal	86	C5H10O	000110-62-3	64
5	Pentanal	86	C5H10O	000110-62-3	43





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Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

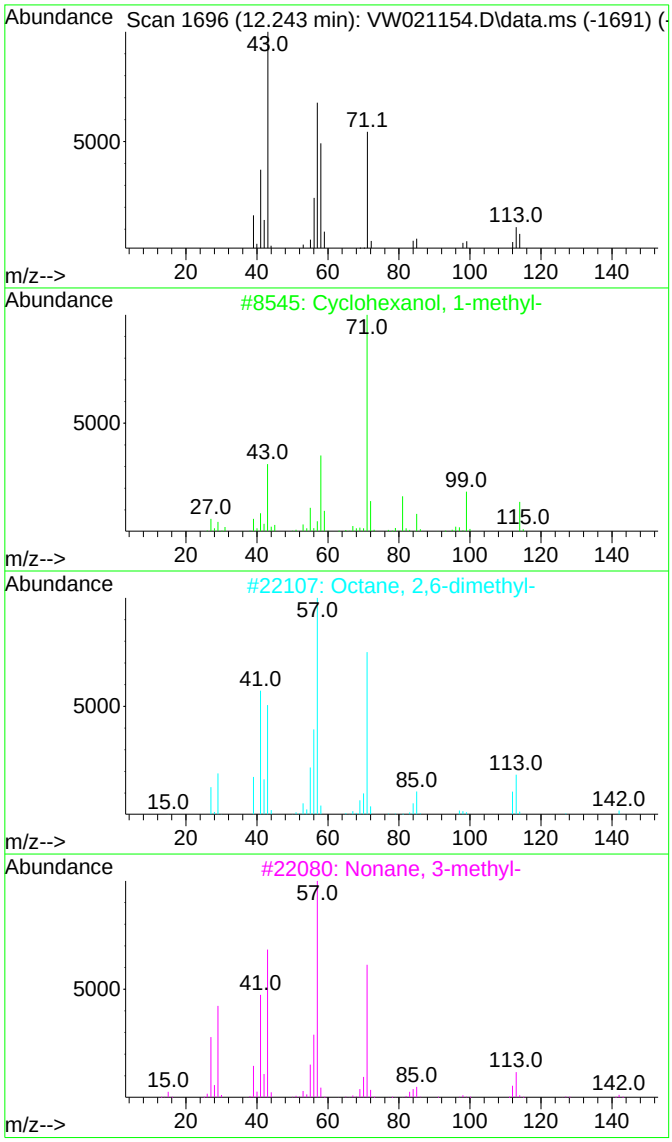
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

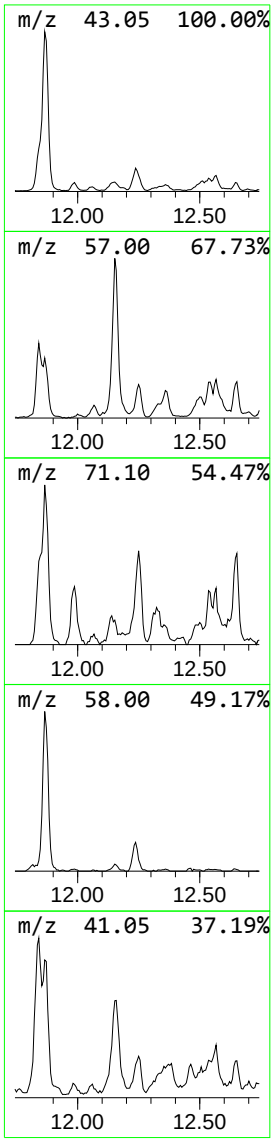
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Cyclohexanol, 1-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.243	1.86 ug/L	29308	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 1-methyl-	114	C7H14O	000590-67-0	50
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	47
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	47
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	43
5	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	38





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Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

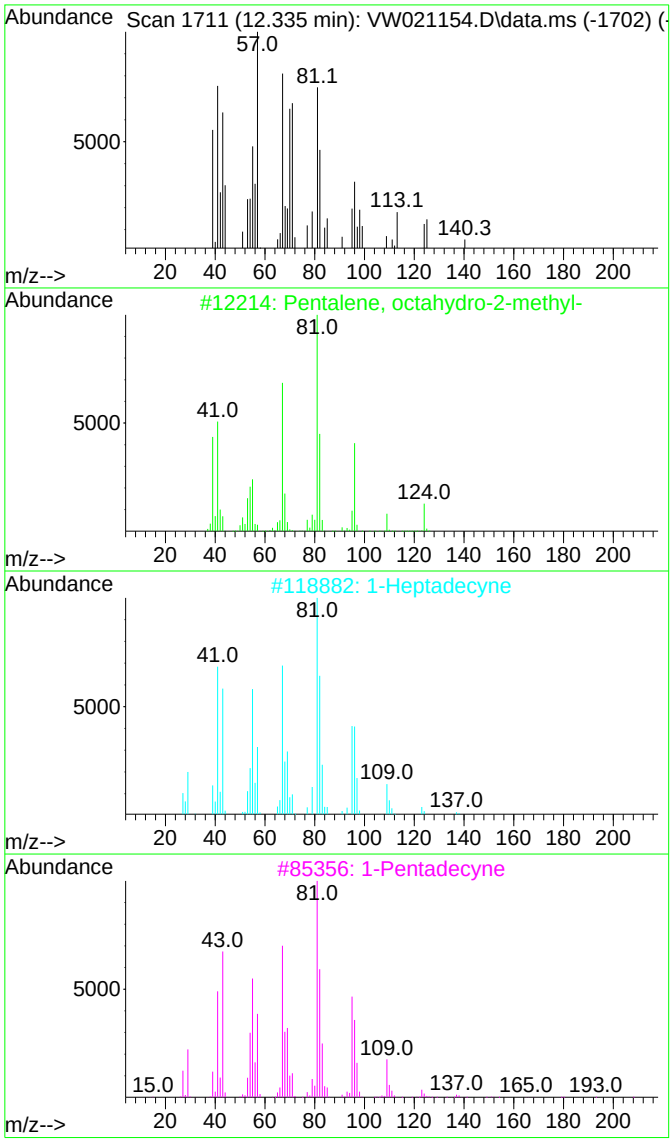
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

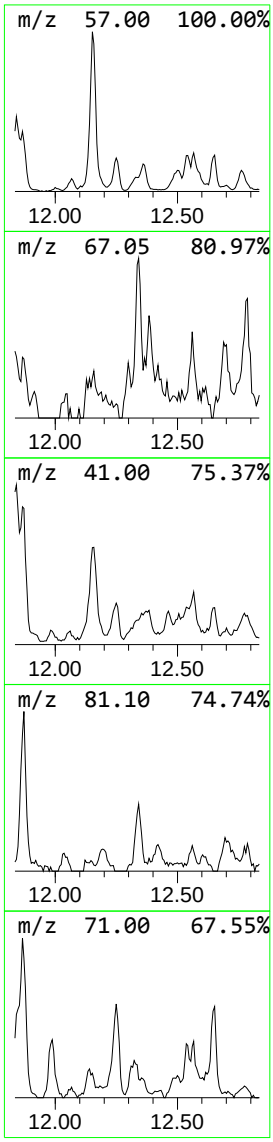
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Pentalene, octahydro-2-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.335	1.68 ug/L	26597	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	64
2	1-Heptadecyne	236	C17H32	026186-00-5	43
3	1-Pentadecyne	208	C15H28	000765-13-9	43
4	Cyclononene	124	C9H16	003618-11-9	42
5	Spiro[2.5]octane	110	C8H14	000185-65-9	38





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Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

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

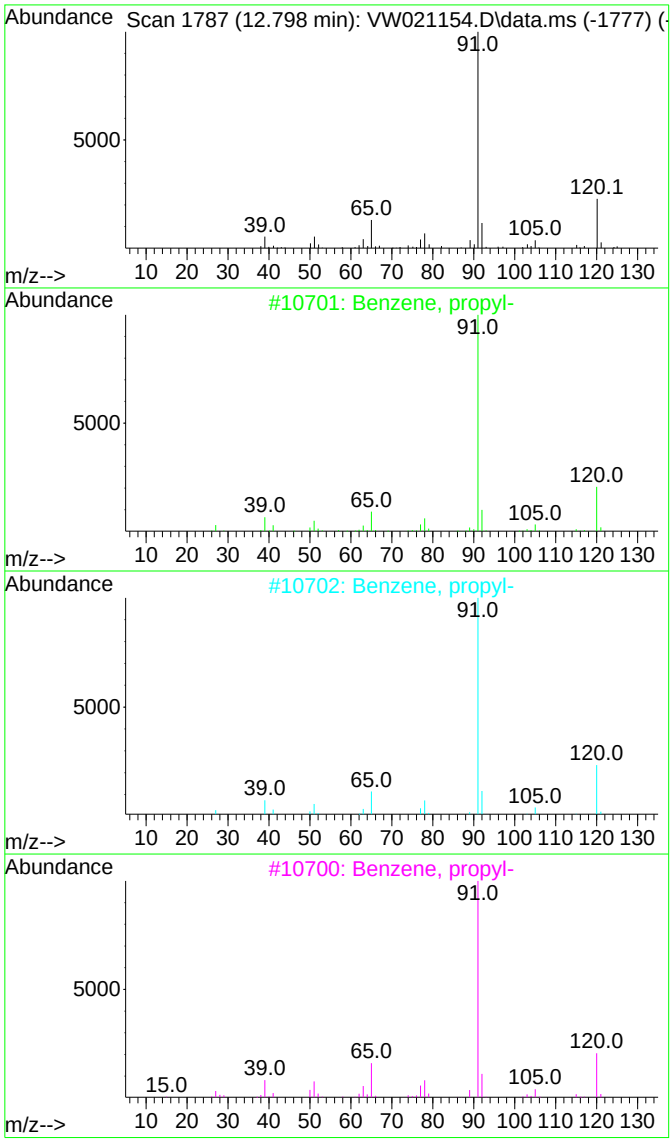
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

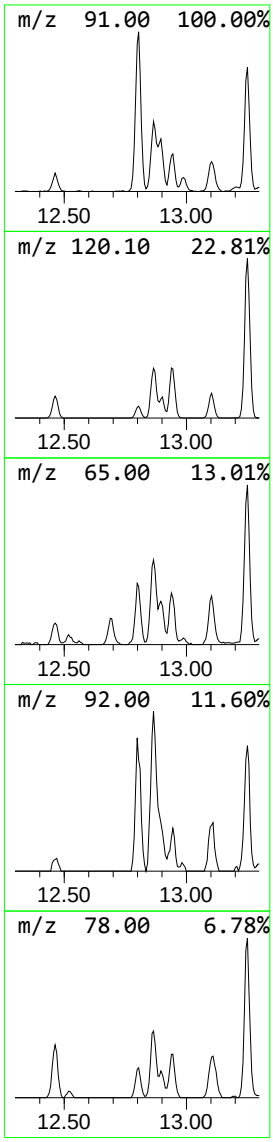
****

Peak Number 11 Benzene, propyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.798	3.31 ug/L	82410	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	87
4	Benzene, propyl-	120	C9H12	000103-65-1	83
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	83





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Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

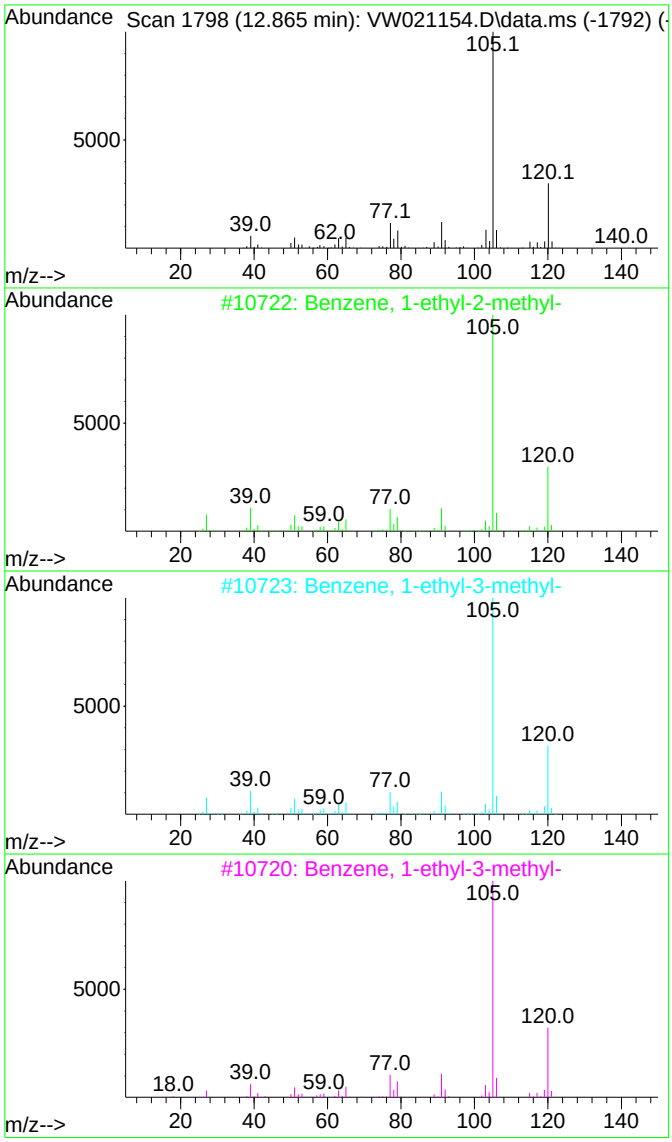
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

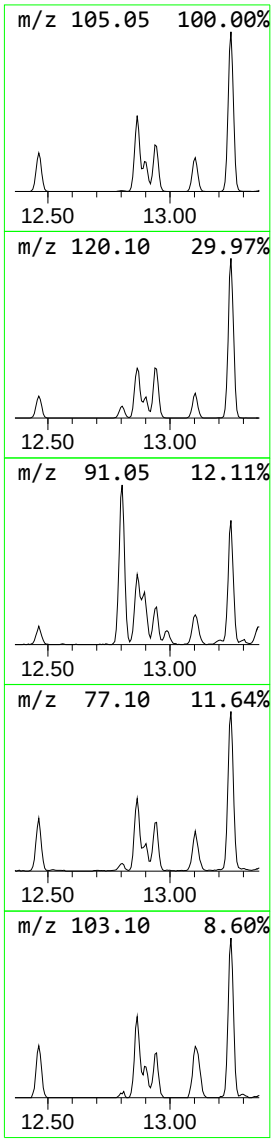
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	11.27 ug/L	280804	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-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94





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Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

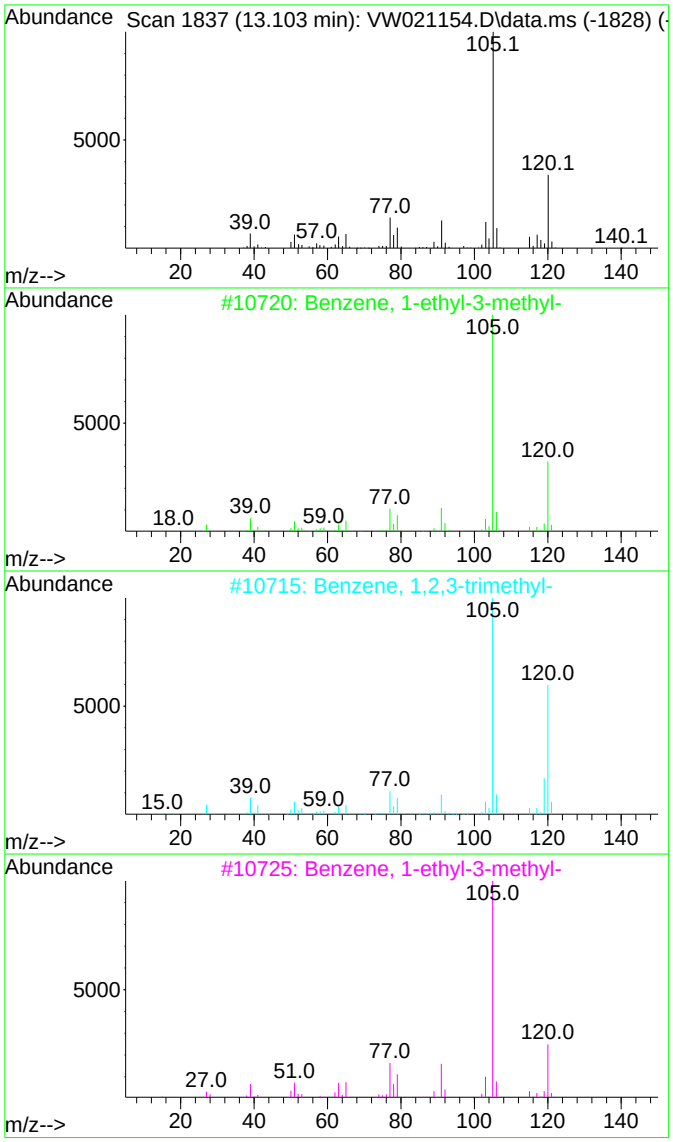
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

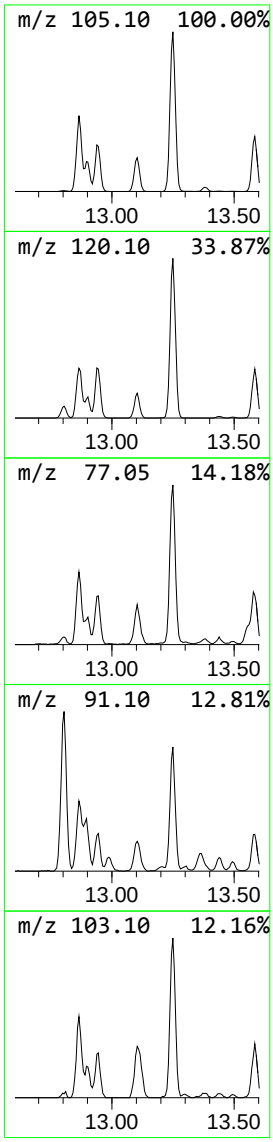
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1-ethyl-3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	6.97 ug/L	173772	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	87
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87





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Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

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

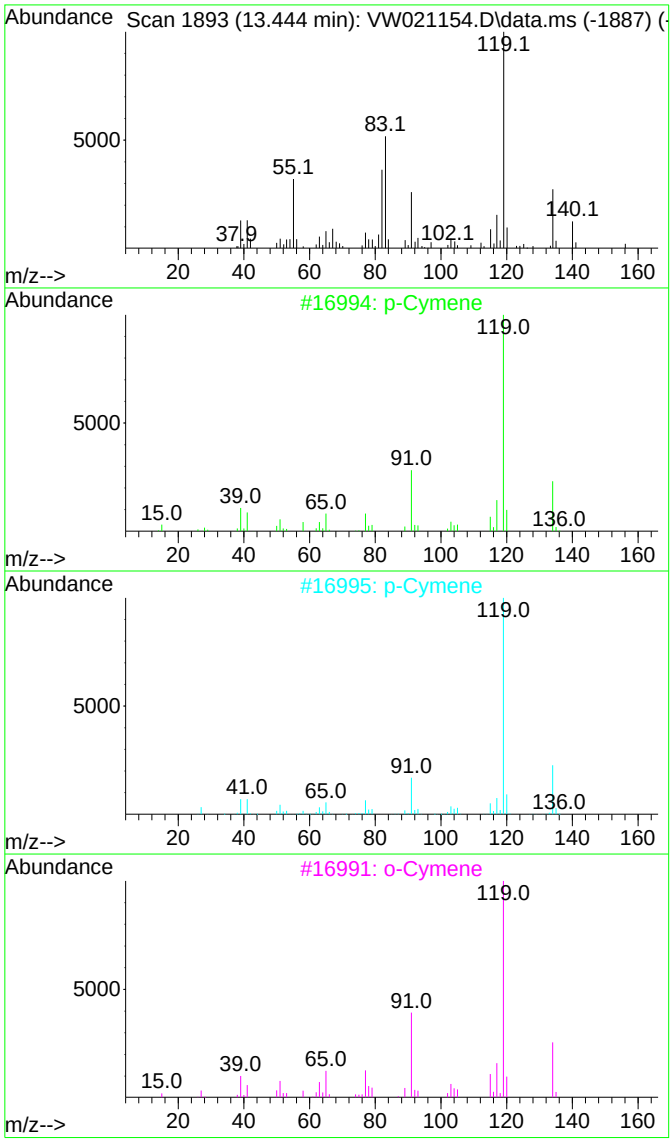
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

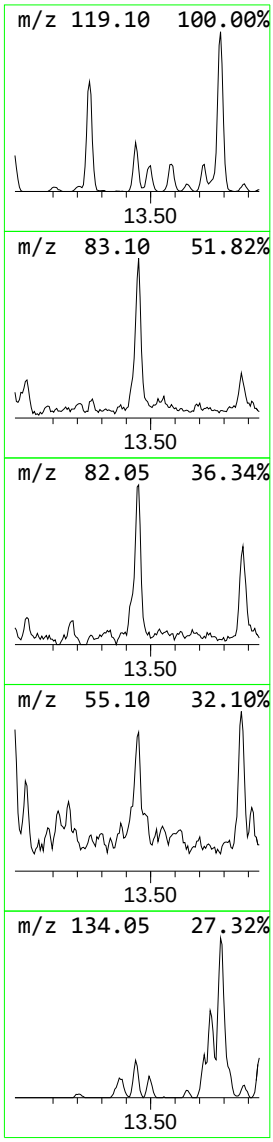
****

Peak Number 14 p-Cymene Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.444	1.76 ug/L	43942	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	92
2	p-Cymene	134	C10H14	000099-87-6	91
3	o-Cymene	134	C10H14	000527-84-4	83
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	83
5	p-Cymene	134	C10H14	000099-87-6	78





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Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

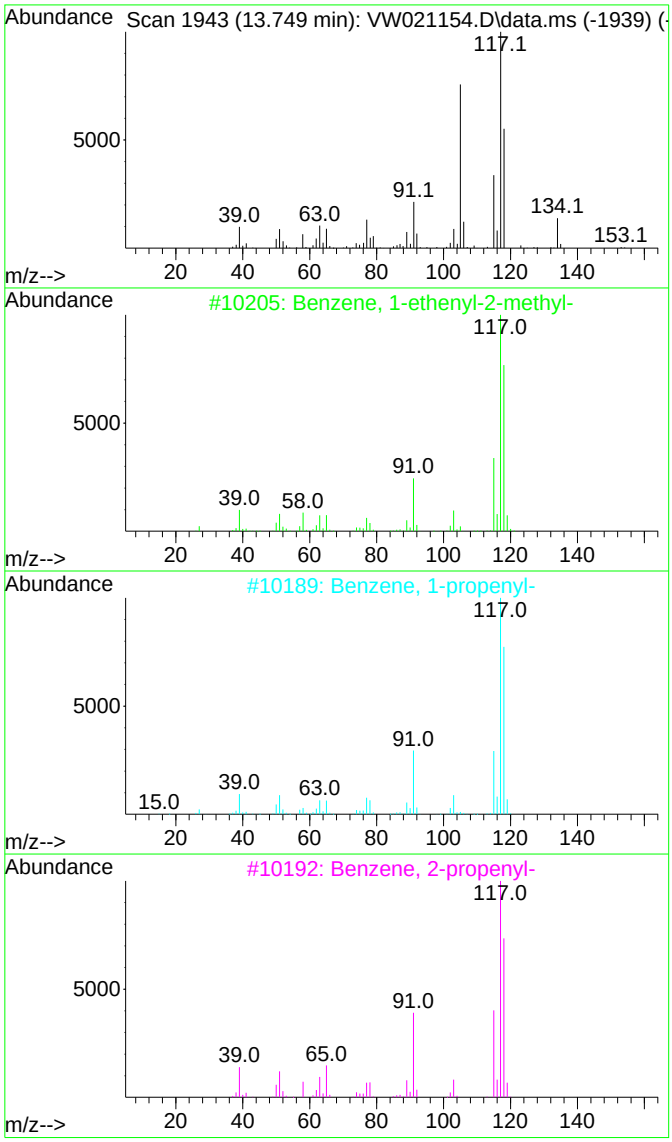
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

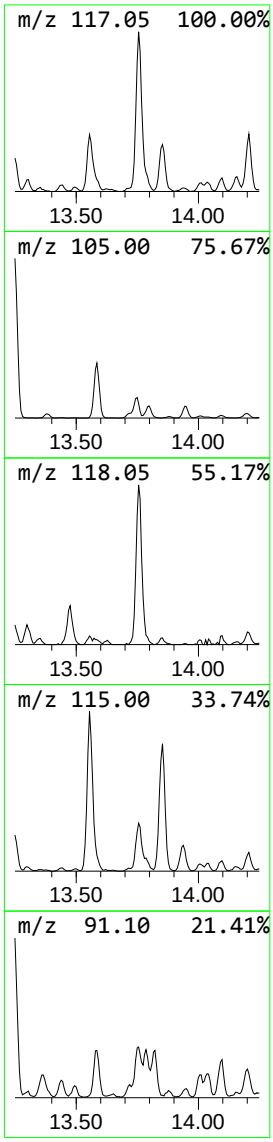
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 1-ethenyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.749	7.77 ug/L	193628	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	64
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	64
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64





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Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

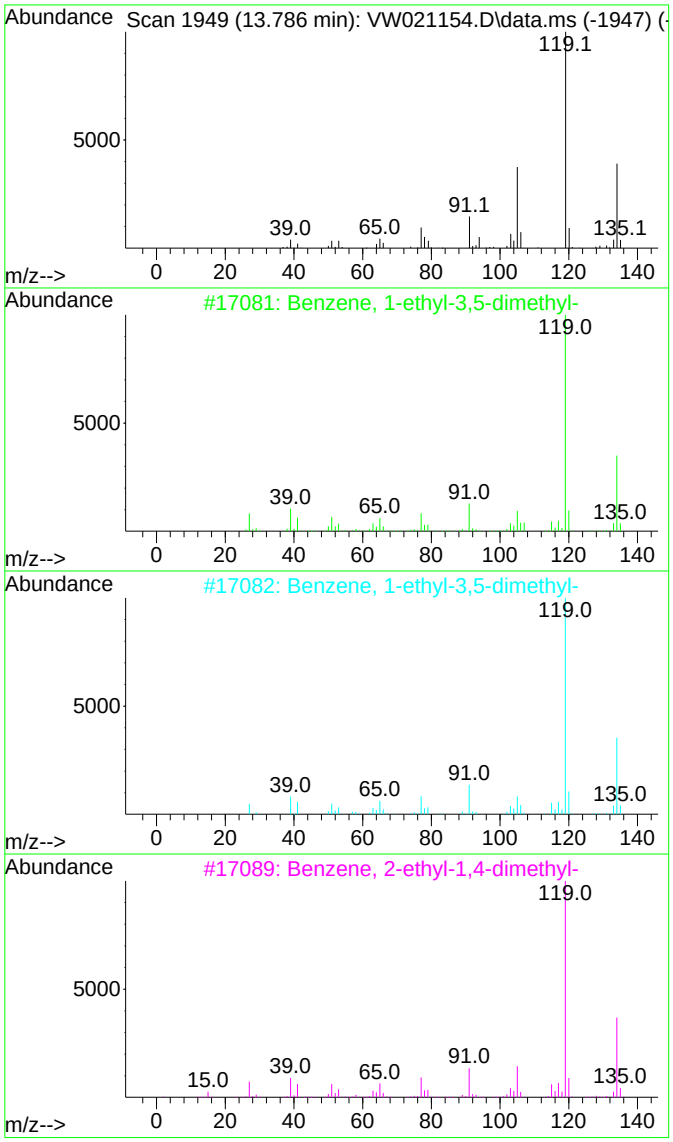
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

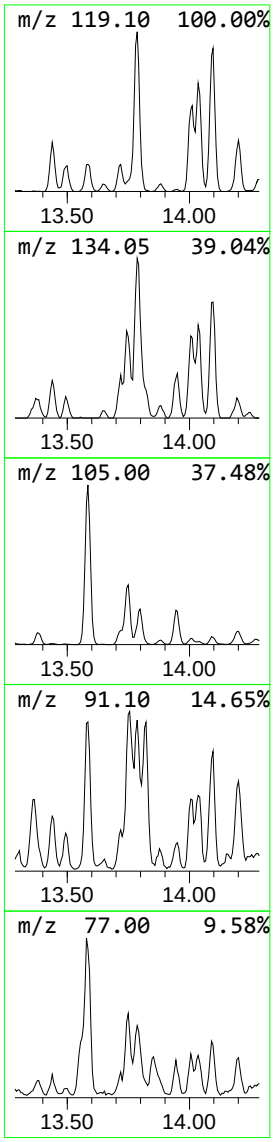
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.786	5.49 ug/L	136837	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	86





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Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

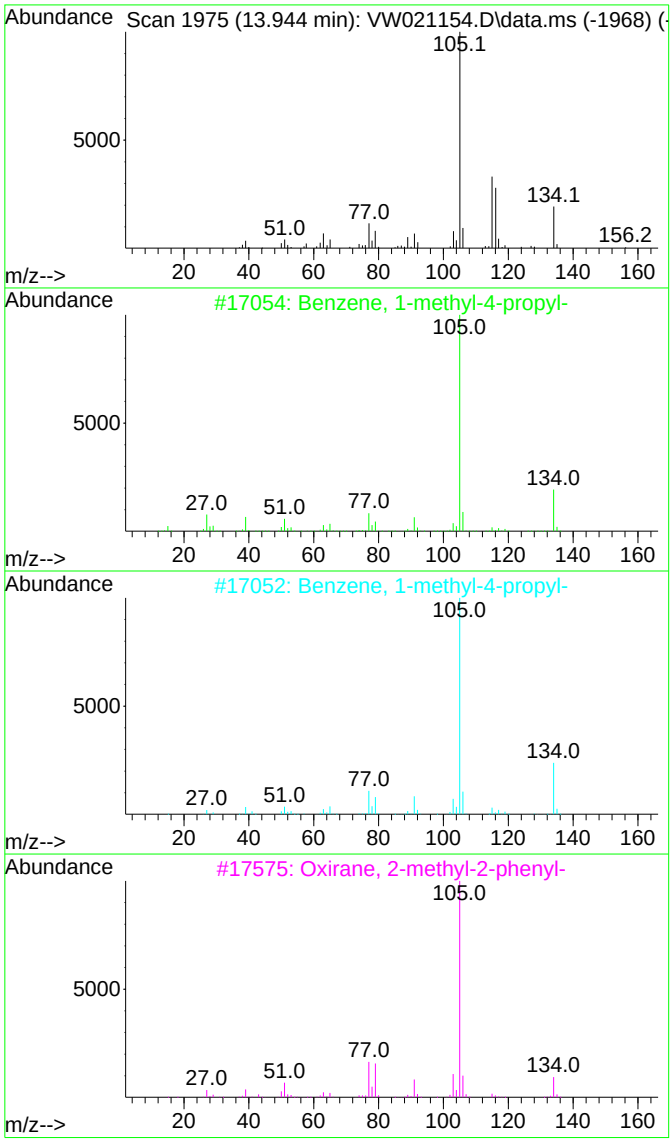
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

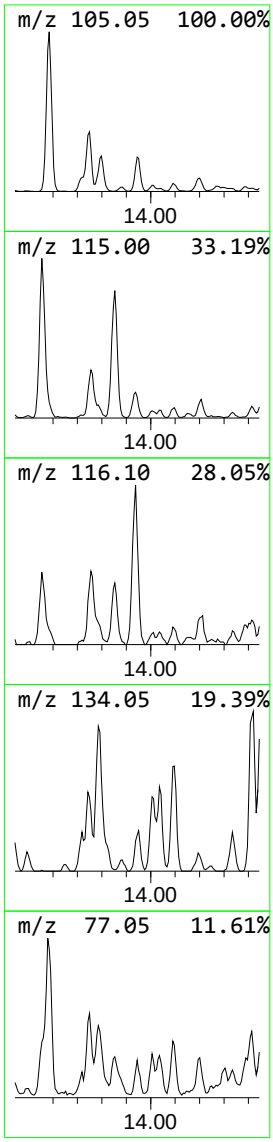
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 1-methyl-4-propyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.944	2.41 ug/L	60092	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	55
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	55
3	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	50
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	49
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	49





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Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

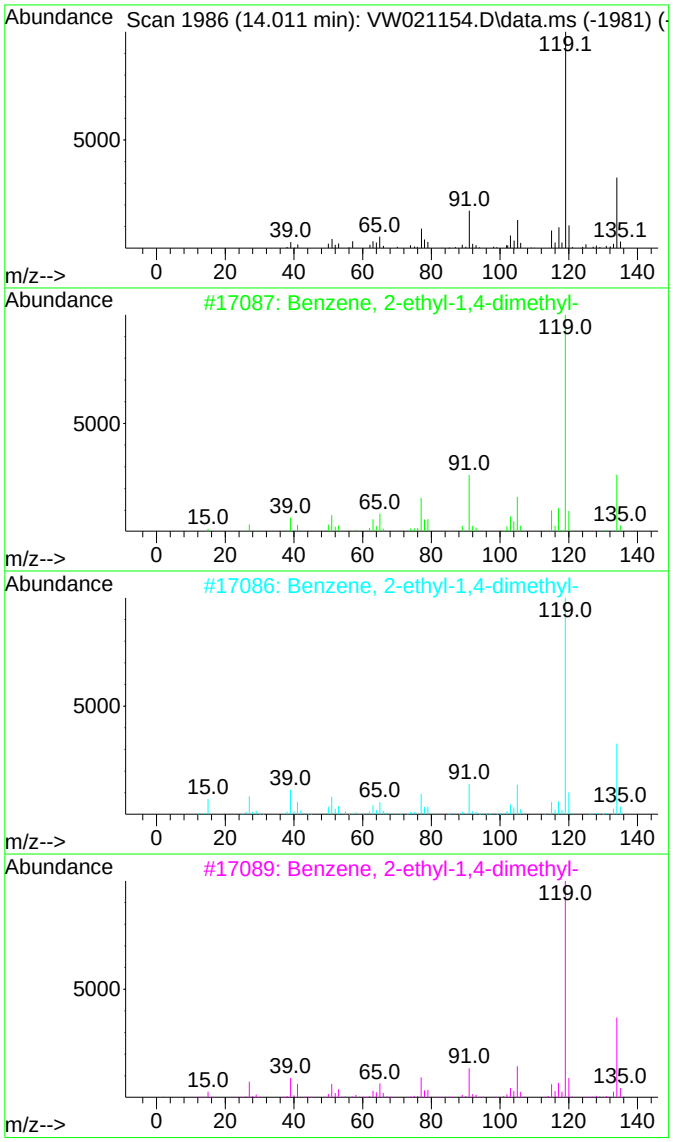
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

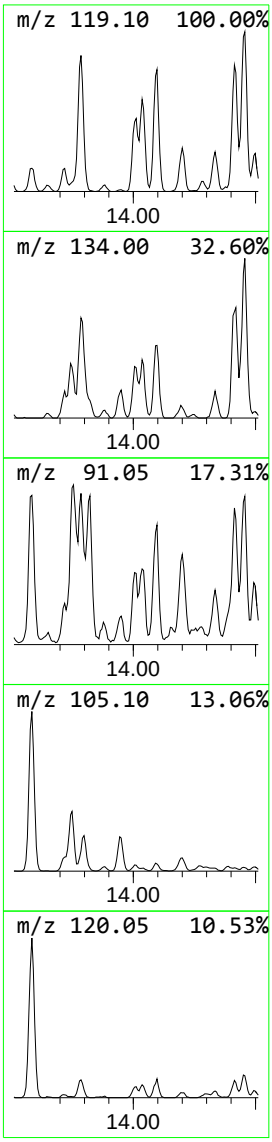
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.011	2.62 ug/L	65191	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	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





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Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

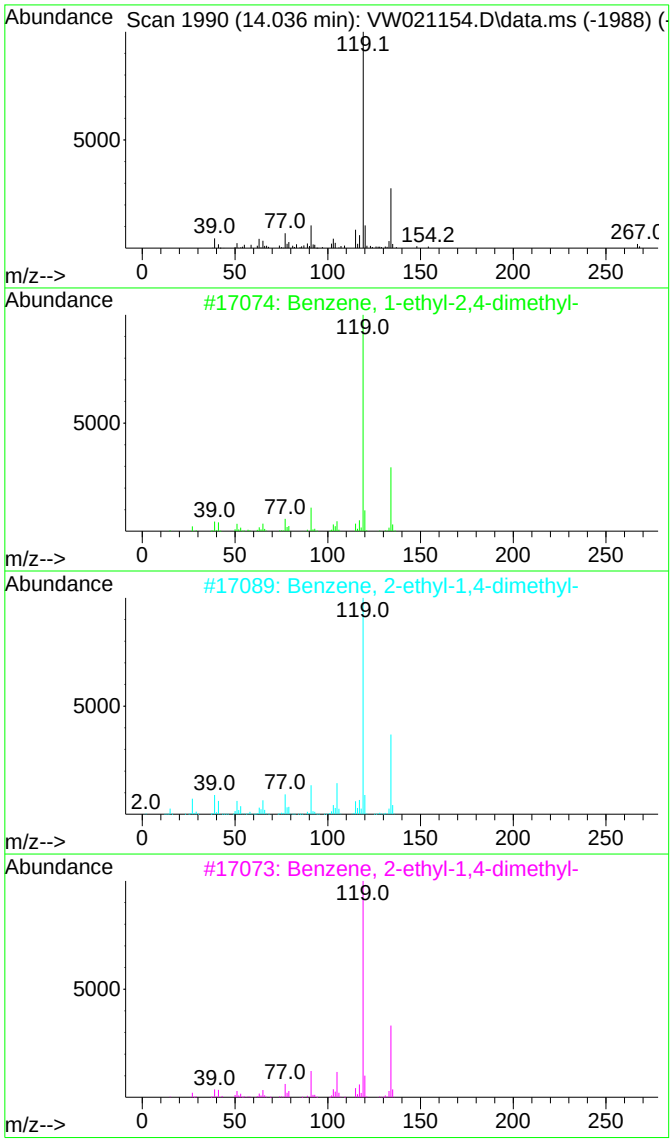
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

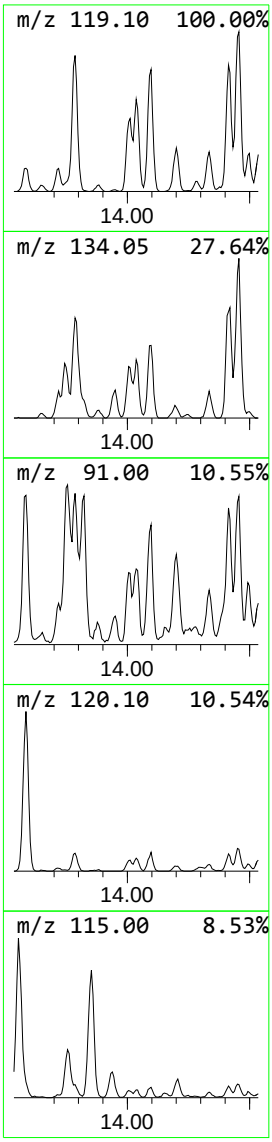
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.036	2.41 ug/L	59949	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

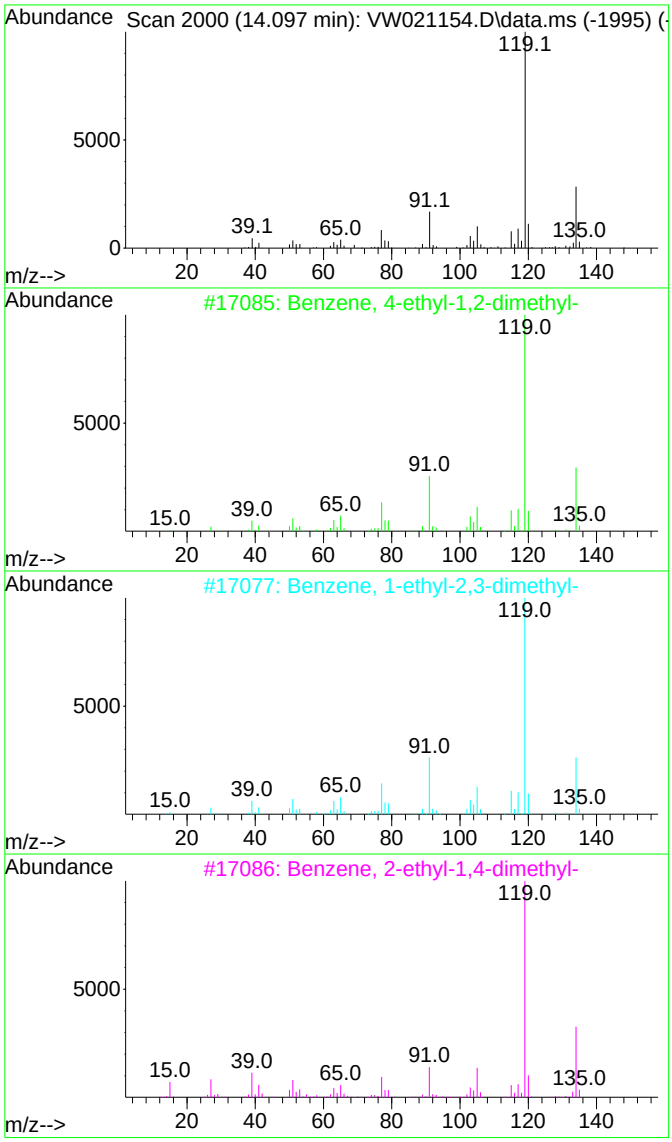
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

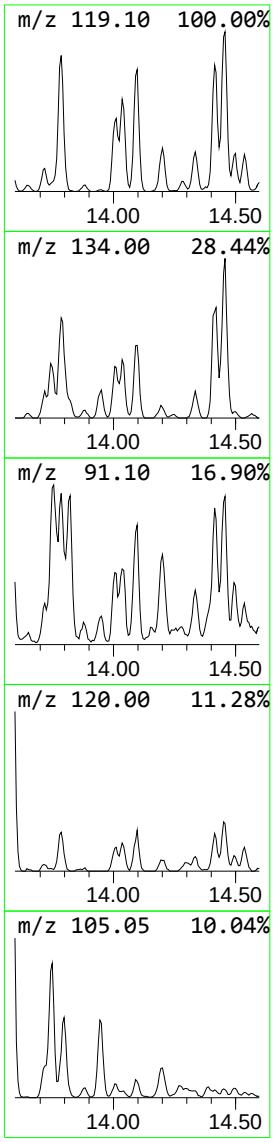
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.097	3.61 ug/L	89851	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	96
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

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

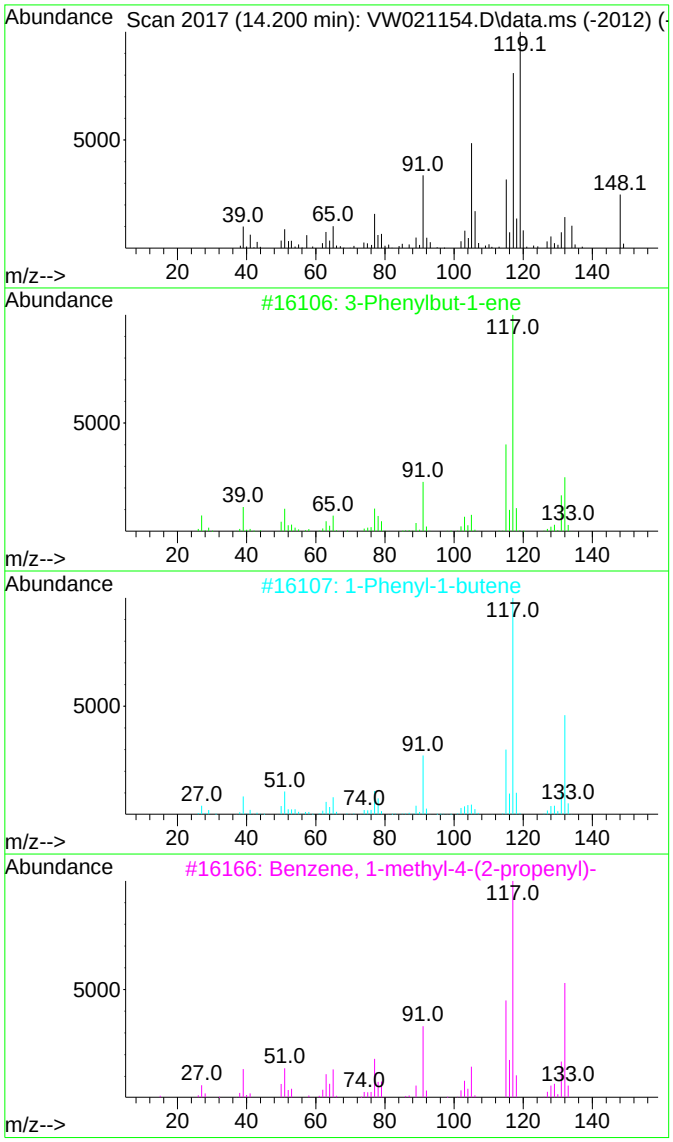
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

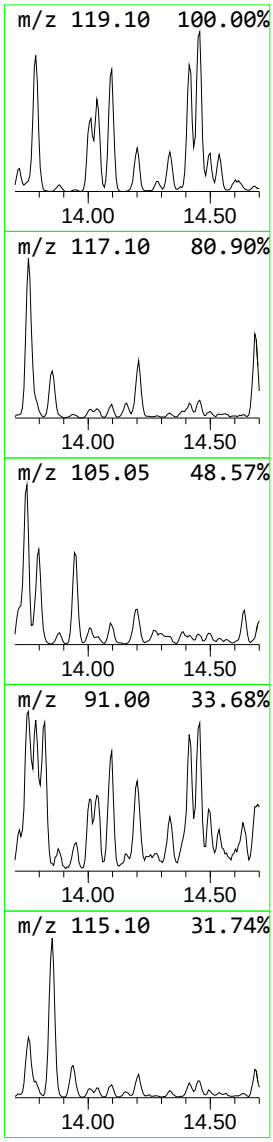
****

Peak Number 21 3-Phenylbut-1-ene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.200	2.98 ug/L	74313	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	50
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	50
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	50
4	3-Buten-1-ol, 4-phenyl-	148	C10H12O	000937-58-6	50
5	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

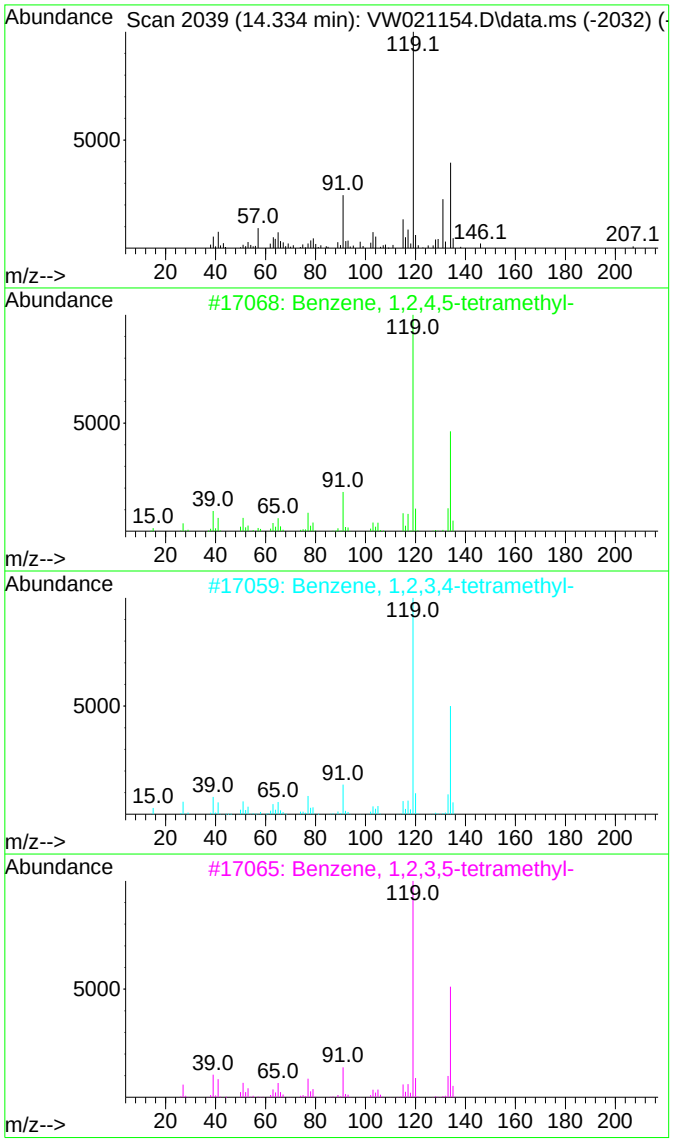
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

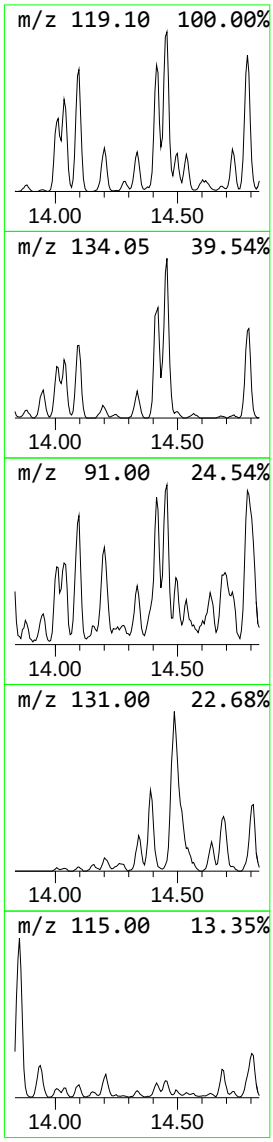
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.335	1.94 ug/L	48263	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	74
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	74
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	72
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	72
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

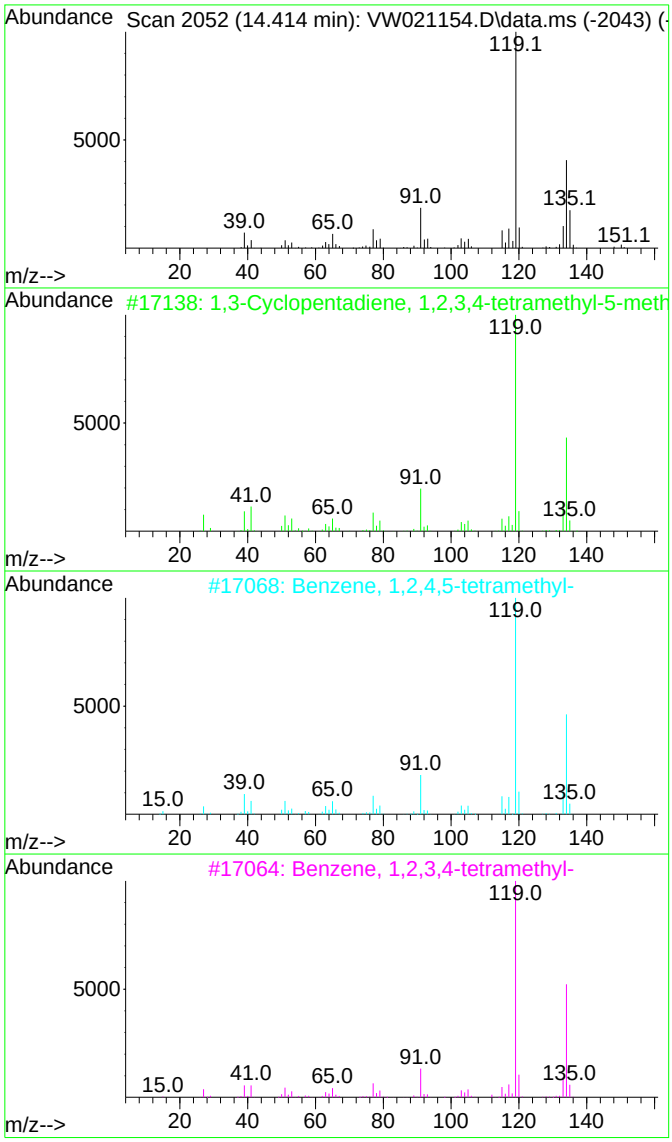
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

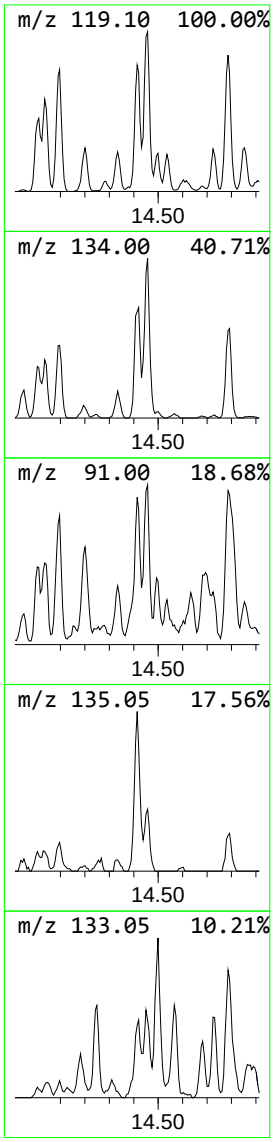
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.414	6.57 ug/L	163834	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4	o-Cymene	134	C10H14	000527-84-4	93
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

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

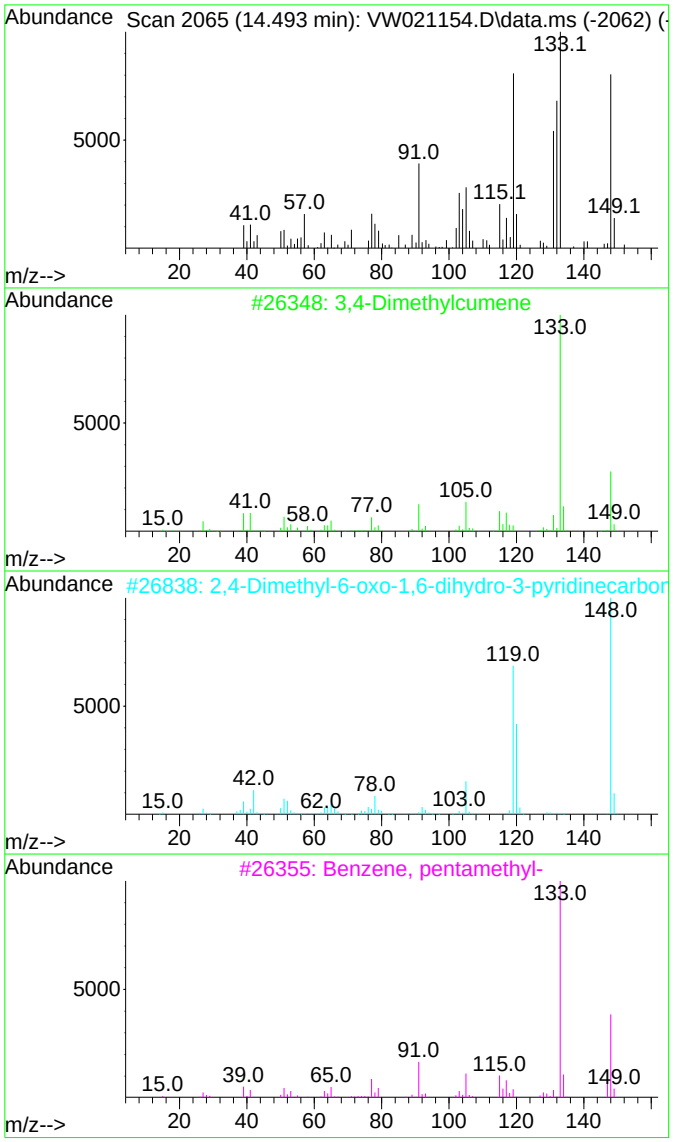
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

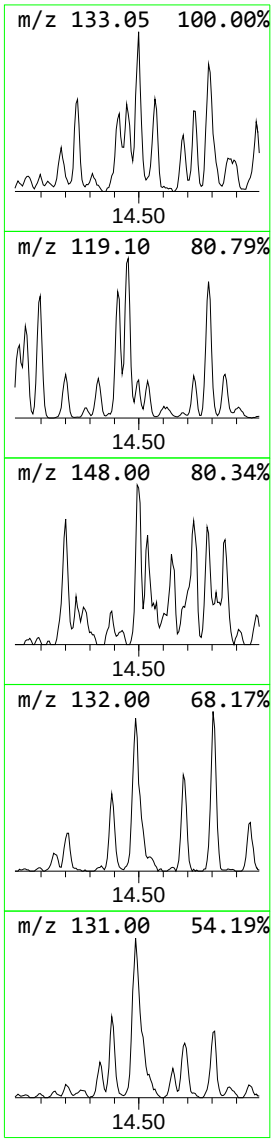
****

Peak Number 25 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.493	3.62 ug/L	90322	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylcumene	148	C11H16	1000370-34-1	38
2	2,4-Dimethyl-6-oxo-1,6-dihydro-3...	148	C8H8N2O	001704-19-4	38
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	38
4	4-Aminobenzyl cyanide	132	C8H8N2	003544-25-0	25
5	4-Vinylbenzoic acid	148	C9H8O2	001075-49-6	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

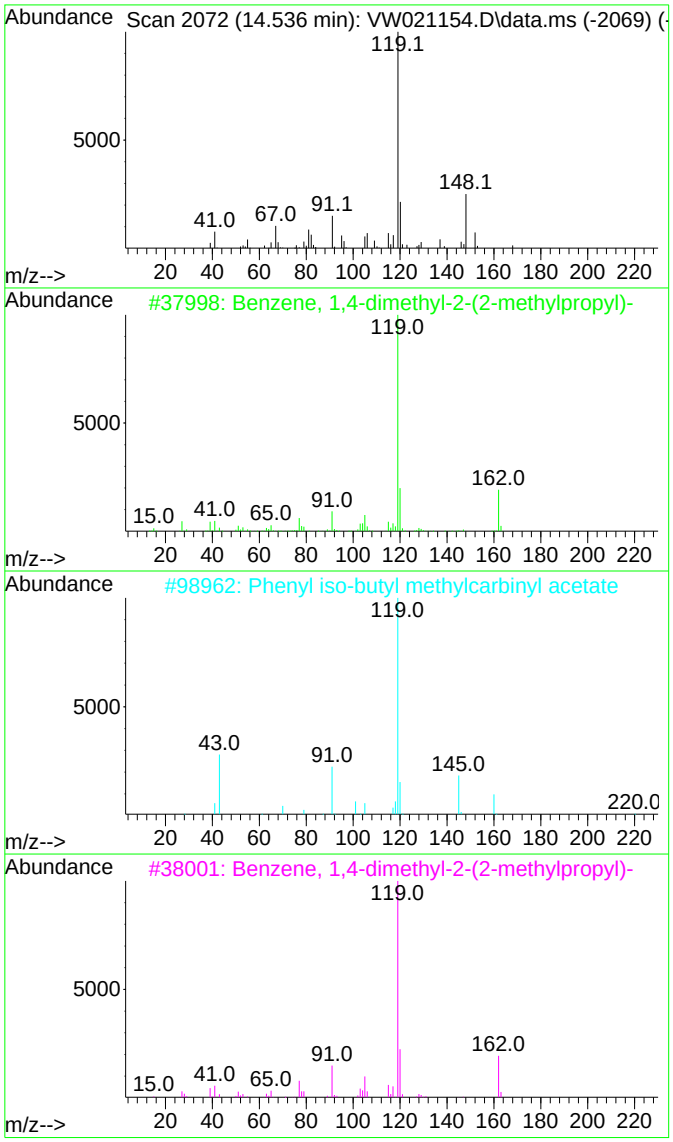
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

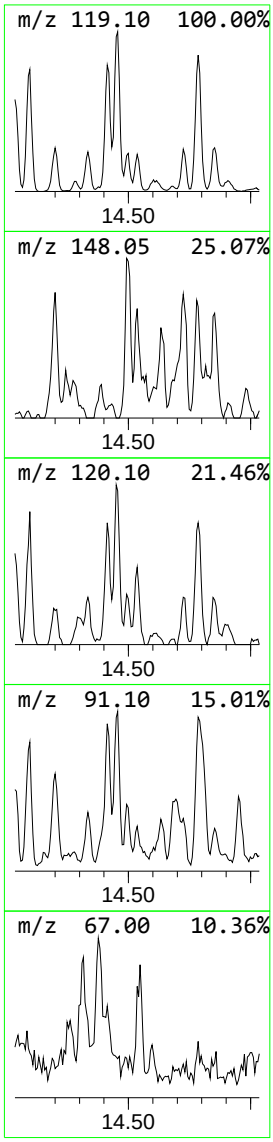
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Benzene, 1,4-dimethyl-2-(2-... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.536	1.75 ug/L	43611	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	53
2	Phenyl iso-butyl methylcarbinyl ...	220	C14H22O2	1000285-48-0	50
3	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	42
4	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	42
5	2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

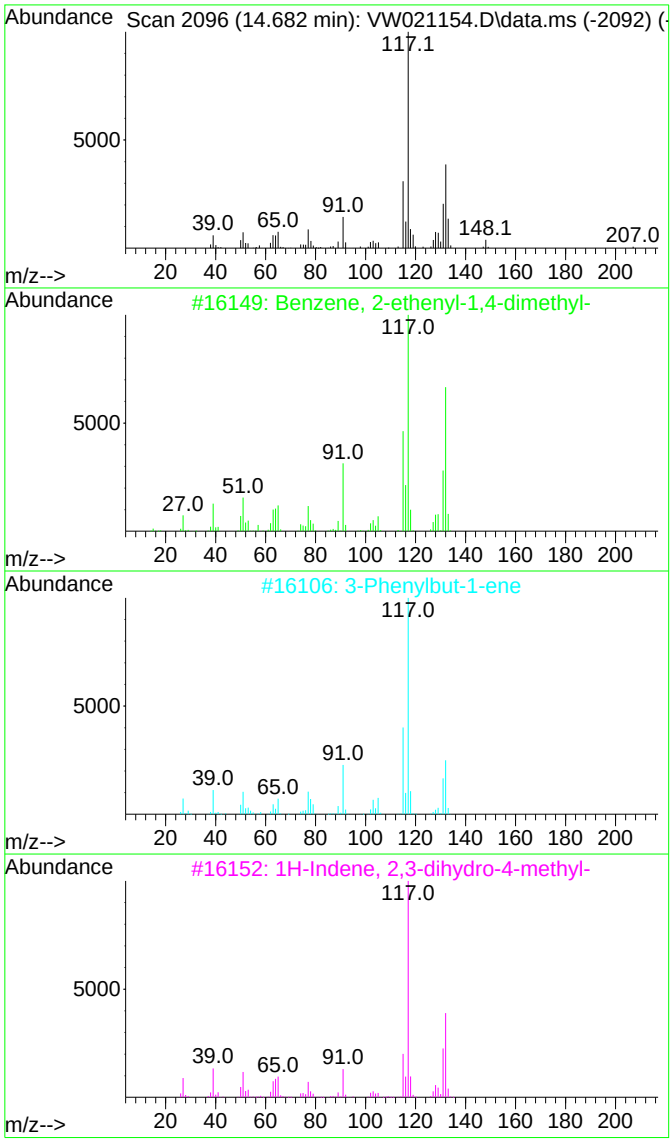
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

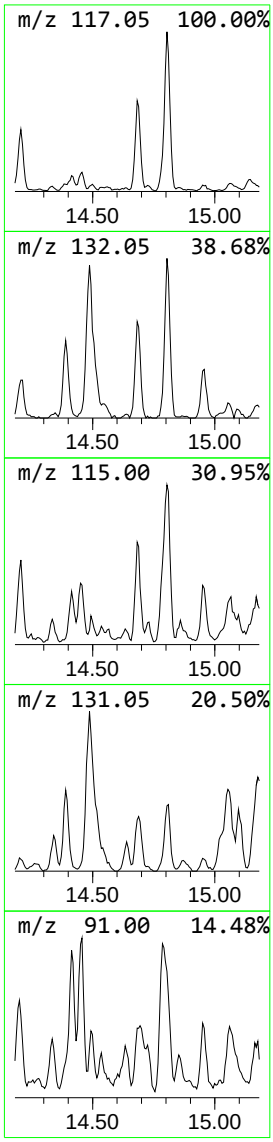
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.682	3.00 ug/L	74825	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	83
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	81
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

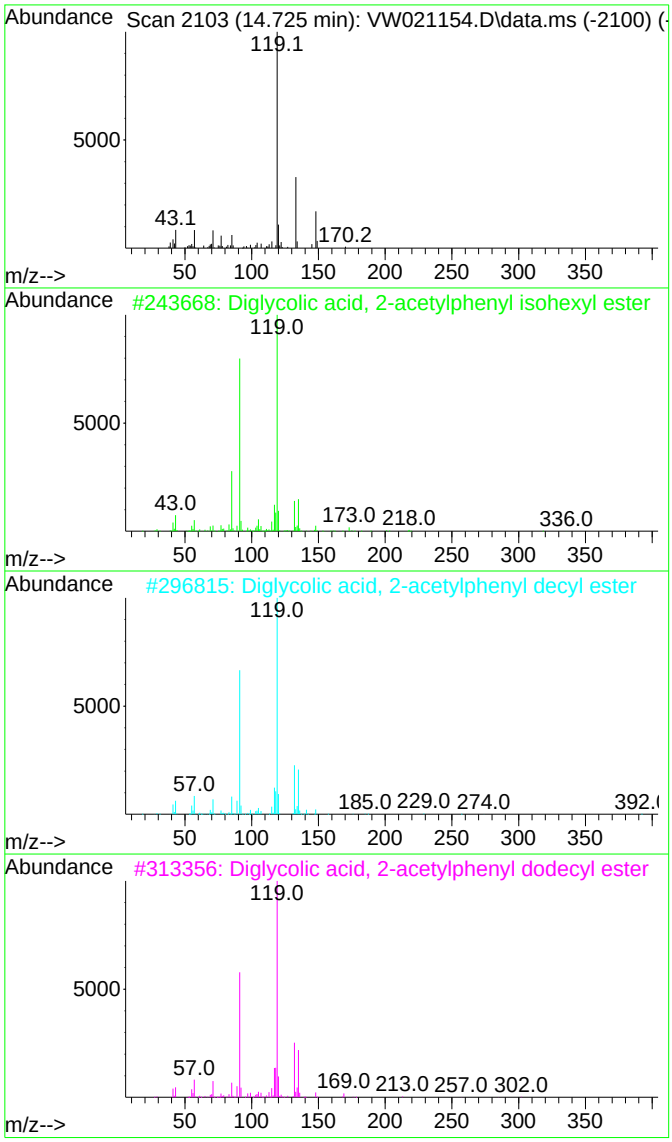
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

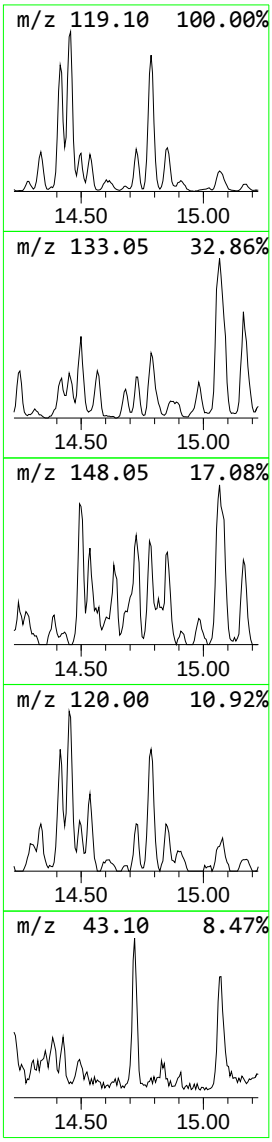
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Diglycolic acid, 2-acetylph... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.725	1.81 ug/L	45106	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diglycolic acid, 2-acetylphenyl ...	336	C18H24O6	1000382-72-1	53
2	Diglycolic acid, 2-acetylphenyl ...	392	C22H32O6	1000382-72-6	53
3	Diglycolic acid, 2-acetylphenyl ...	420	C24H36O6	1010382-72-8	50
4	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	45
5	3,5-Dimethylbenzylnonylamine	261	C18H31N	1010491-61-1	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

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

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

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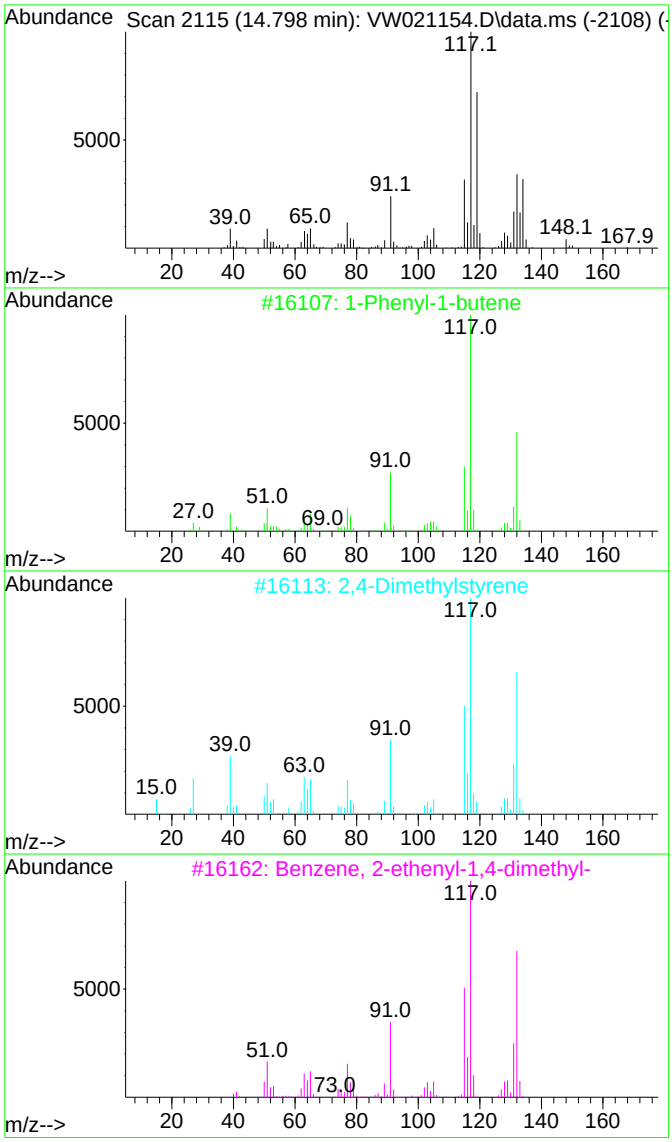
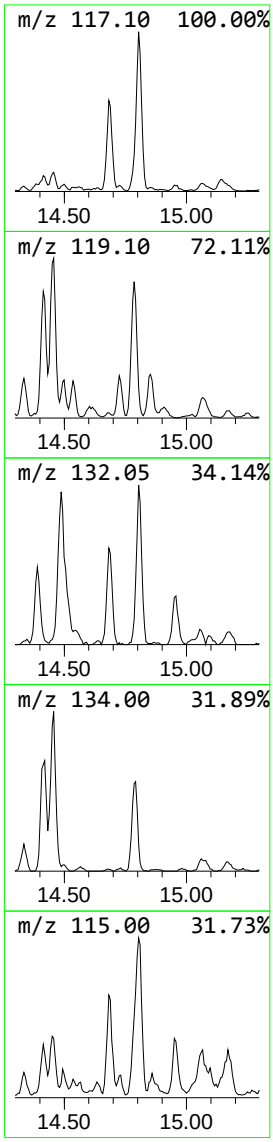
Peak Number 29 1-Phenyl-1-butene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.798	9.03 ug/L	225125	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	92
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	90
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	89
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	86





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Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

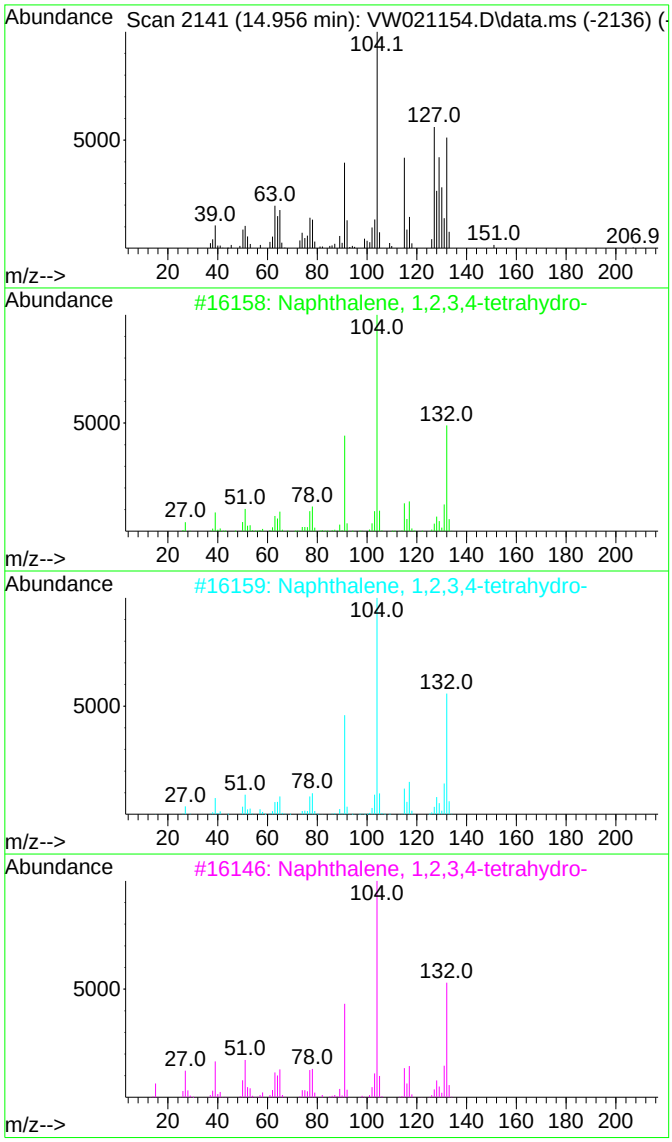
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

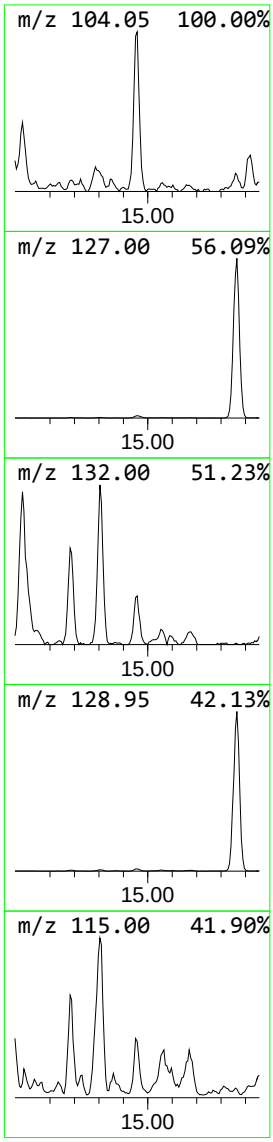
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.956	2.17 ug/L	54185	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	86
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	86
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	86
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	64
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

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

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

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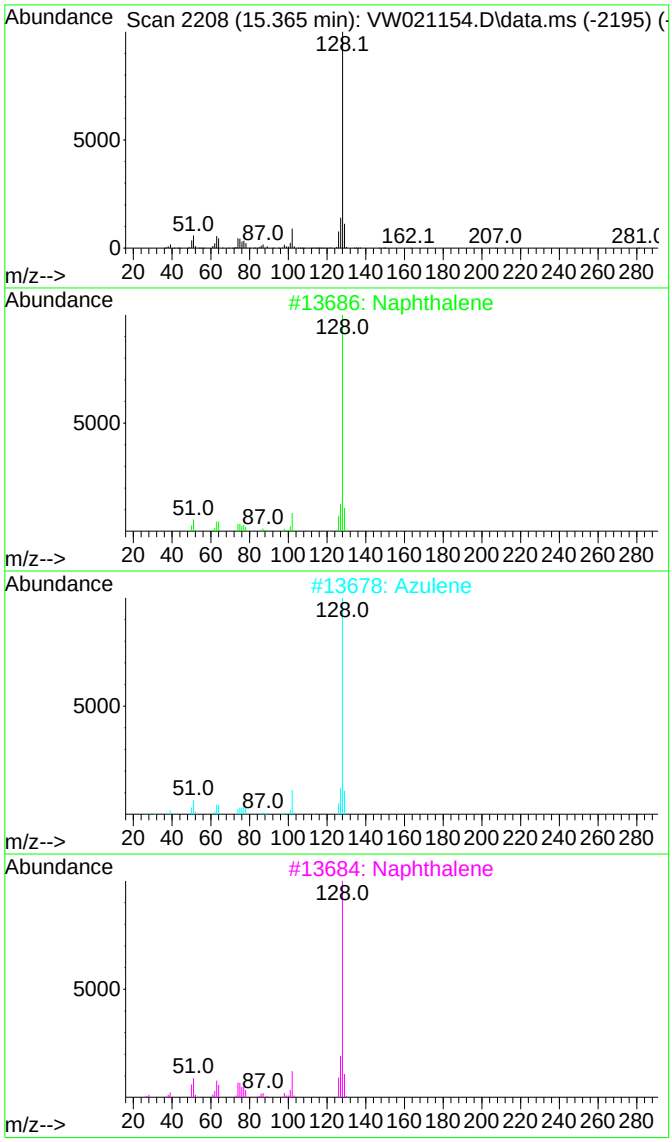
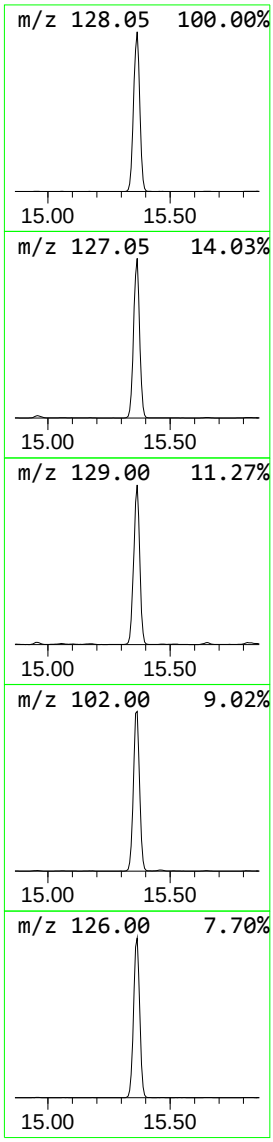
Peak Number 32 Azulene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.365	179.80 ug/L	4480440	1,4-Dichlorobenzene-d4	13.560

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	94
4	Azulene	128	C10H8	000275-51-4	91
5	Azulene	128	C10H8	000275-51-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

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

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

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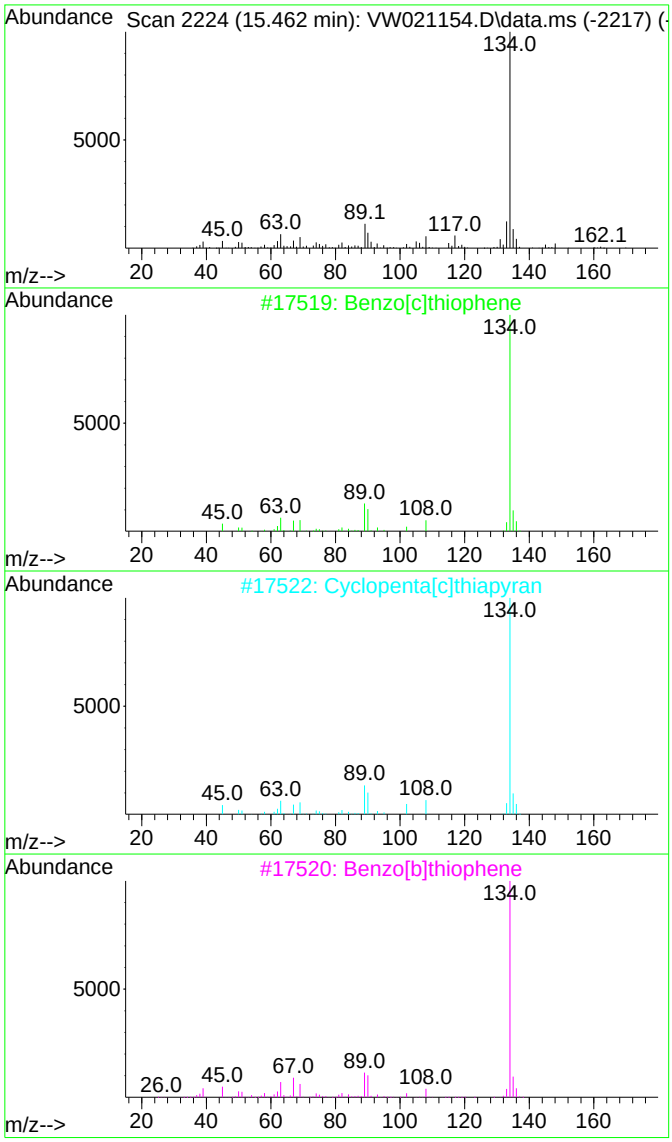
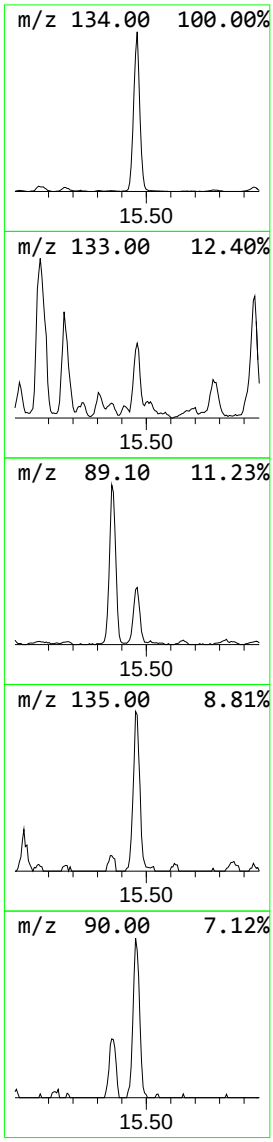
Peak Number 33 Benzo[c]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.462	7.08 ug/L	176376	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	93
2	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	87
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	87
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	81
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021154.D
Acq On : 05 Dec 2021 07:01
Operator : SY/VA
Sample : M4868-10
Misc : 7.37g/10.0mL/MSVOA_W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKP5

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Acetaldehyde	2.501	2.9	ug/L	33505	1	8.842	291572	25.0
Ethyl ether	3.684	56.3	ug/L	656839	1	8.842	291572	25.0
Propanal, 2-met...	5.787	1.7	ug/L	20279	1	8.842	291572	25.0
2-Butenal, (Z)-	6.110	8.8	ug/L	103178	1	8.842	291572	25.0
Butanal	6.903	1.8	ug/L	21169	1	8.842	291572	25.0
2-Butanone, 3-m...	8.707	2.8	ug/L	32296	1	8.842	291572	25.0
Pentanal	9.409	1.7	ug/L	19558	1	8.842	291572	25.0
Cyclohexanol, 1...	12.243	1.9	ug/L	29308	2	11.634	394650	25.0
Pentalene, octa...	12.335	1.7	ug/L	26597	2	11.634	394650	25.0
Benzene, propyl-	12.798	3.3	ug/L	82410	3	13.560	622962	25.0
Benzene, 1-ethy...	12.865	11.3	ug/L	280804	3	13.560	622962	25.0
Benzene, 1-ethy...	13.103	7.0	ug/L	173772	3	13.560	622962	25.0
p-Cymene	13.444	1.8	ug/L	43942	3	13.560	622962	25.0
Benzene, 1-ethe...	13.749	7.8	ug/L	193628	3	13.560	622962	25.0
Benzene, 1-ethy...	13.786	5.5	ug/L	136837	3	13.560	622962	25.0
Benzene, 1-meth...	13.944	2.4	ug/L	60092	3	13.560	622962	25.0
Benzene, 2-ethy...	14.011	2.6	ug/L	65191	3	13.560	622962	25.0
Benzene, 1-ethy...	14.036	2.4	ug/L	59949	3	13.560	622962	25.0
Benzene, 4-ethy...	14.097	3.6	ug/L	89851	3	13.560	622962	25.0
3-Phenylbut-1-ene	14.200	3.0	ug/L	74313	3	13.560	622962	25.0
Benzene, 1,2,4,...	14.335	1.9	ug/L	48263	3	13.560	622962	25.0
1,3-Cyclopentad...	14.414	6.6	ug/L	163834	3	13.560	622962	25.0
unknown-01	14.493	3.6	ug/L	90322	3	13.560	622962	25.0
Benzene, 1,4-di...	14.536	1.8	ug/L	43611	3	13.560	622962	25.0
Benzene, 2-ethe...	14.682	3.0	ug/L	74825	3	13.560	622962	25.0
Diglycolic acid...	14.725	1.8	ug/L	45106	3	13.560	622962	25.0
1-Phenyl-1-butene	14.798	9.0	ug/L	225125	3	13.560	622962	25.0
Naphthalene, 1,...	14.956	2.2	ug/L	54185	3	13.560	622962	25.0
Azulene	15.365	179.8	ug/L	4480440	3	13.560	622962	25.0
Benzo[c]thiophene	15.462	7.1	ug/L	176376	3	13.560	622962	25.0