LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

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: VW021449.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.148	38	40	45	rBV2	549	559	0.02%	0.003%
2	2.349	68	73	80	rVB	16437	27633	1.21%	0.141%
3	2.495	92	97	107	rBV	18678	36442	1.60%	0.186%
4	2.879	154	160	168	rBV	11385	22065	0.97%	0.113%
5	3.056	188	189	191	rBV2	308	204	0.01%	0.001%
6	3.105	195	197	198	rBV	449	256	0.01%	0.001%
7	3.391	241	244	248	rVB2	284	362	0.02%	0.002%
8	3.727	294	299	305	rBV2	267	496	0.02%	0.003%
9	3.903	323	328	330	rVB2	137	186	0.01%	0.001%
10	4.013	336	346	358	rBV	28031	80712	3.54%	0.412%
11	4.135	358	366	383	rVB	9032	24923	1.09%	0.127%
12	4.373	399	405	407	rBV2	1263	2306	0.10%	0.012%
13	4.672	450	454	455	rBV	167	201	0.01%	0.001%
14	4.909	485	493	505	rBV3	4321	13730	0.60%	0.070%
15	5.050	512	516	517	rVB3	152	185	0.01%	0.001%
16	5.178	534	537	538	rBV	193	202	0.01%	0.001%
17	5.330	558	562	565	rVB2	141	213	0.01%	0.001%
18	5.726	623	627	628	rBV	148	180	0.01%	0.001%
19	5.793	628	638	646	rVV3	1677	5573	0.24%	0.028%
20	5.934	657	661	662	rVV2	372	477	0.02%	0.002%
21	5.946	662	663	667	rVB	553	521	0.02%	0.003%
22	6.110	684	690	692	rBV3	410	666	0.03%	0.003%
23	6.147	695	696	701	rVB	232	252	0.01%	0.001%
24	6.208	704	706	710	rVB	156	185	0.01%	0.001%
25	6.275	715	717	721	rBV	143	236	0.01%	0.001%
26	6.616	770	773	775	rVB2	142	169	0.01%	0.001%
27	6.641	775	777	779	rBV	173	171	0.01%	0.001%
28	6.903	810	820	830	rBV3	7753	23011	1.01%	0.118%
29	7.080	840	849	860	rBV	11569	33407	1.47%	0.171%
30	7.256	875	878	885	rVB2	554	1143	0.05%	0.006%
31	7.537	922	924	929	rVV2	146	177	0.01%	0.001%
32	7.647	931	942	953	rBV	52798	129778	5.69%	0.663%
33	7.726	953	955	958	rVB	143	164	0.01%	0.001%
34	8.275	1034	1045	1060	rBV2	98786	317442	13.93%	1.621%
35	8.555	1085	1091	1098	rVB4	1314	3127	0.14%	0.016%
36	8.707	1110	1116	1123	rBV4	1253	2836	0.12%	0.014%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
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Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

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	8.842	1130	1138	1148	rBV	107528	213733	9.38%	1.092%
38	8.927	1151	1152	1156	rVB	207	192	0.01%	0.001%
39	8.982	1160	1161	1164	rBV	184	205	0.01%	0.001%
40	9.049	1167	1172	1174	rBV2	582	776	0.03%	0.004%
41	9.195	1193	1196	1198	rVB	186	198	0.01%	0.001%
42	9.274	1198	1209	1220	rBV	75182	153848	6.75%	0.786%
43	9.409	1225	1231	1242	rVV	8526	16918	0.74%	0.086%
44	9.506	1244	1247	1248	rBV2	275	248	0.01%	0.001%
45	9.567	1252	1257	1258	rVB2	296	301	0.01%	0.002%
46	9.579	1258	1259	1260	rBV2	356	201	0.01%	0.001%
47	9.665	1268	1273	1279	rVV3	1536	2954	0.13%	0.015%
48	9.756	1283	1288	1294	rBV4	887	1875	0.08%	0.010%
49	9.823	1296	1299	1301	rBV4	378	445	0.02%	0.002%
50	9.896	1305	1311	1317	rVB7	939	2329	0.10%	0.012%
51	10.036	1327	1334	1343	rBV	40861	75857	3.33%	0.387%
52	10.207	1358	1362	1368	rBV4	3221	7126	0.31%	0.036%
53	10.323	1374	1381	1388	rBV	148659	266397	11.69%	1.361%
54	10.390	1388	1392	1395	rVV2	3364	4892	0.21%	0.025%
55	10.488	1406	1408	1410	rBV3	1073	1332	0.06%	0.007%
56	10.579	1417	1423	1430	rBV	26620	47514	2.08%	0.243%
57	10.829	1460	1464	1469	rBV5	2841	5484	0.24%	0.028%
58	10.927	1474	1480	1486	rBV	48783	86244	3.78%	0.441%
59	11.073	1499	1504	1509	rBV2	24986	42048	1.84%	0.215%
60	11.652	1590	1599	1606	rVB2	323913	849586	37.27%	4.340%
61	11.731	1607	1612	1620	rVB	56784	97897	4.29%	0.500%
62	11.835	1623	1629	1639	rBV	58330	133763	5.87%	0.683%
63	12.164	1675	1683	1691	rVB	111466	220164	9.66%	1.125%
64	12.249	1694	1697	1701	rVB	18393	23682	1.04%	0.121%
65	12.335	1707	1711	1716	rBV3	41275	86078	3.78%	0.440%
66	12.694	1765	1770	1775	rVB	69781	118805	5.21%	0.607%
67	12.804	1784	1788	1791	rBV	42866	63867	2.80%	0.326%
68	12.865	1792	1798	1800	rBV2	116625	228197	10.01%	1.166%
69	13.103	1833	1837	1843	rVB	94156	160496	7.04%	0.820%
70	13.164	1843	1847	1853	rVB	50104	66483	2.92%	0.340%
71	13.249	1855	1861	1865	rBV	534076	837727	36.75%	4.279%
72	13.578	1907	1915	1929	rVB3	304818	860642	37.76%	4.396%
73	13.719	1934	1938	1939	rBV	83165	113465	4.98%	0.580%
74	13.749	1939	1943	1947	rVV3	285648	422507	18.54%	2.158%
75	13.871	1957	1963	1968	rVB4	247779	534416	23.45%	2.730%
76	13.944	1972	1975	1981	rBV	118754	159340	6.99%	0.814%

LSC Area Percent Report

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Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

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

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Peak separation: 5

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

77	14.005	1982	1985	1987	rBV	157834	209019	9.17%	1.068%
78	14.091	1995	1999	2008	rVB	424980	653754	28.68%	3.339%
79	14.200	2012	2017	2022	rVB2	214269	349739	15.34%	1.786%
80	14.255	2022	2026	2033	rBV7	69073	195049	8.56%	0.996%
81	14.328	2034	2038	2043	rVB3	179655	308869	13.55%	1.578%
82	14.383	2044	2047	2048	rBV2	92773	104782	4.60%	0.535%
83	14.414	2049	2052	2055	rVV	349612	498184	21.86%	2.545%
84	14.450	2055	2058	2062	rVV	430914	597559	26.22%	3.052%
85	14.493	2062	2065	2069	rVB	124244	148082	6.50%	0.756%
86	14.639	2085	2089	2092	rVB	116574	157962	6.93%	0.807%
87	14.682	2092	2096	2100	rBV3	161019	291917	12.81%	1.491%
88	14.725	2100	2103	2108	rVV2	181143	260930	11.45%	1.333%
89	14.786	2108	2113	2120	rVV3	356476	942385	41.34%	4.814%
90	14.853	2121	2124	2130	rVB	153774	232587	10.20%	1.188%
91	14.950	2137	2140	2148	rVB3	152037	274918	12.06%	1.404%
92	15.060	2154	2158	2165	rBV3	265851	570847	25.04%	2.916%
93	15.127	2165	2169	2173	rVV2	248658	385423	16.91%	1.969%
94	15.359	2196	2207	2213	rBV	1178597	2279383	100.00%	11.643%
95	15.462	2220	2224	2228	rBV4	113833	195498	8.58%	0.999%
96	15.548	2235	2238	2245	rVB2	139733	230241	10.10%	1.176%
97	15.645	2247	2254	2263	rVB4	245883	596583	26.17%	3.047%
98	15.944	2299	2303	2309	rVB	107401	199526	8.75%	1.019%
99	16.432	2377	2383	2397	rVB	592204	1363819	59.83%	6.966%
100	16.639	2410	2417	2430	rVB	823583	1891912	83.00%	9.664%

Sum of corrected areas: 19577390

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021449.D
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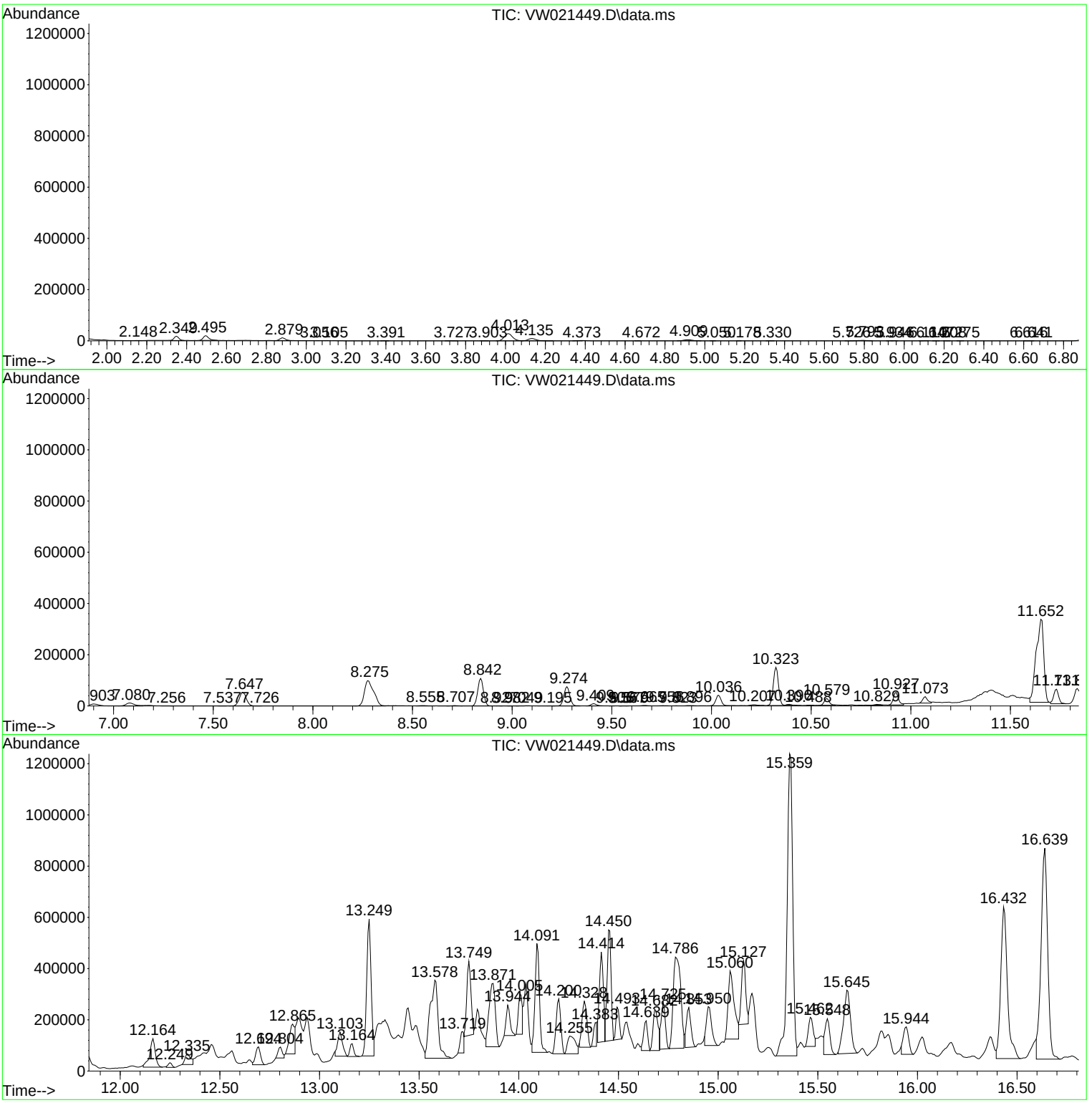
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

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 : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

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

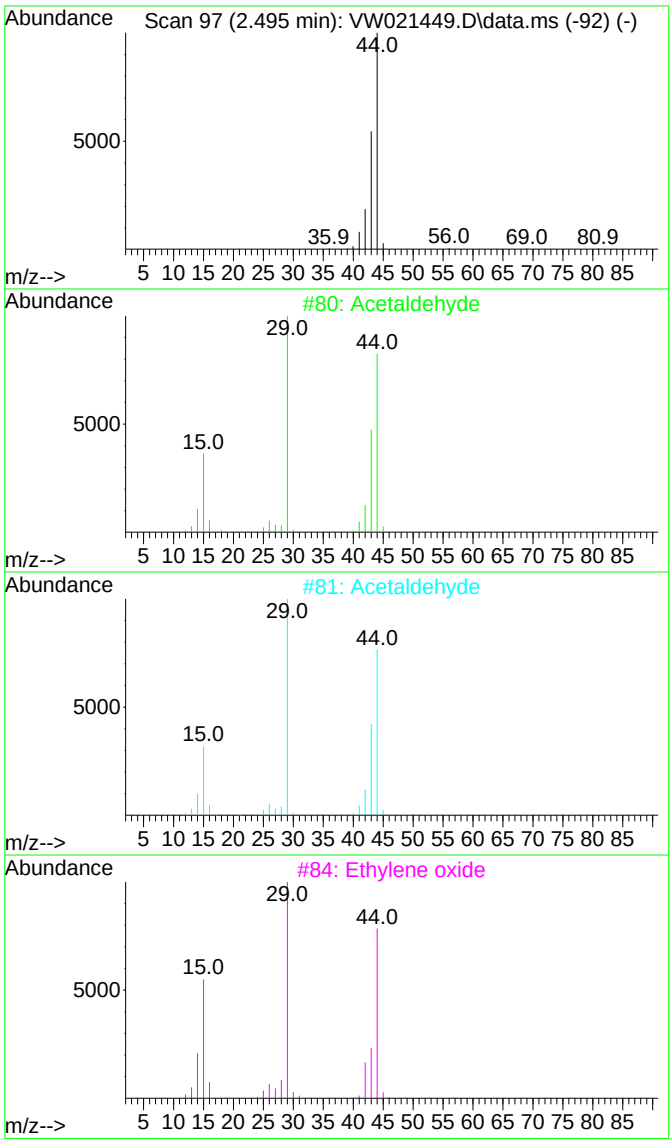
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

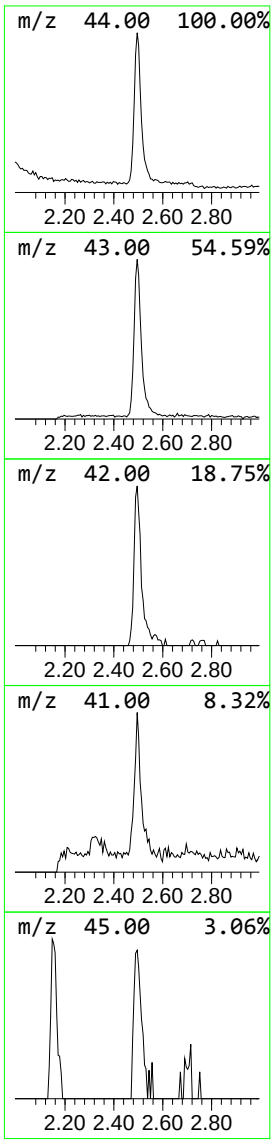
****

Peak Number 1 Acetaldehyde Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.495	4.26 ug/L	36442	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	64
3	Ethylene oxide	44	C2H4O	000075-21-8	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\VW121821\
Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

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

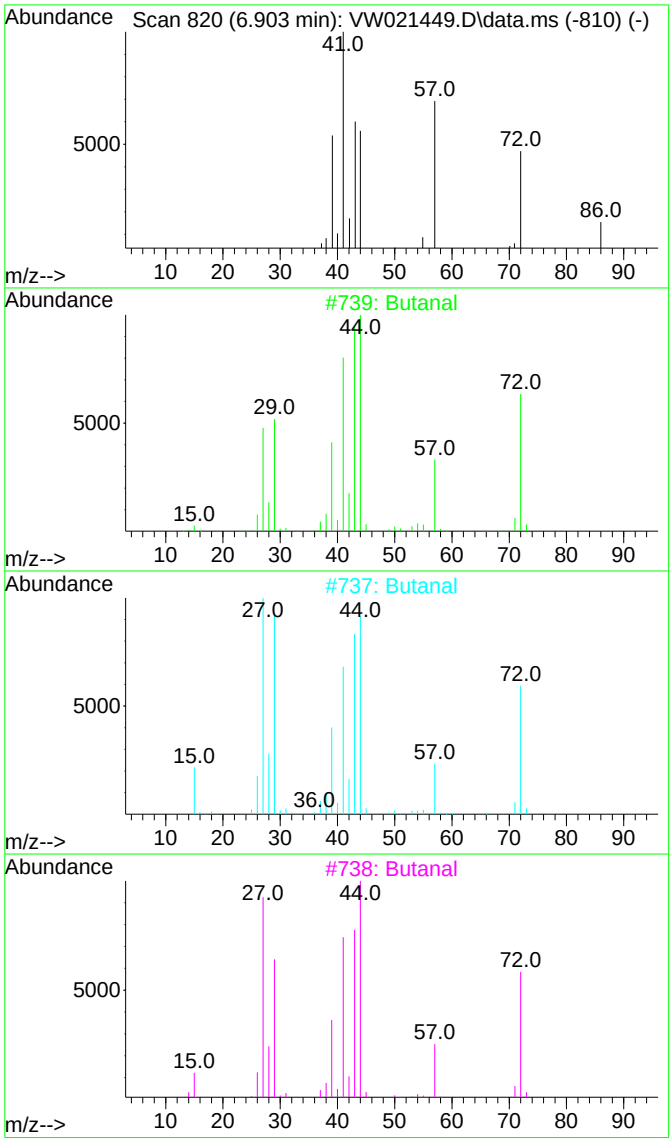
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

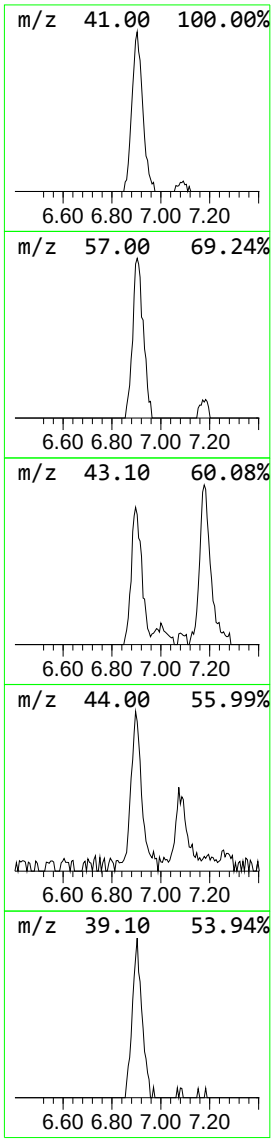
****

Peak Number 3 Butanal Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.903	2.69 ug/L	23011	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	49
3	Butanal	72	C4H8O	000123-72-8	47
4	Butanal	72	C4H8O	000123-72-8	37
5	Butanal	72	C4H8O	000123-72-8	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

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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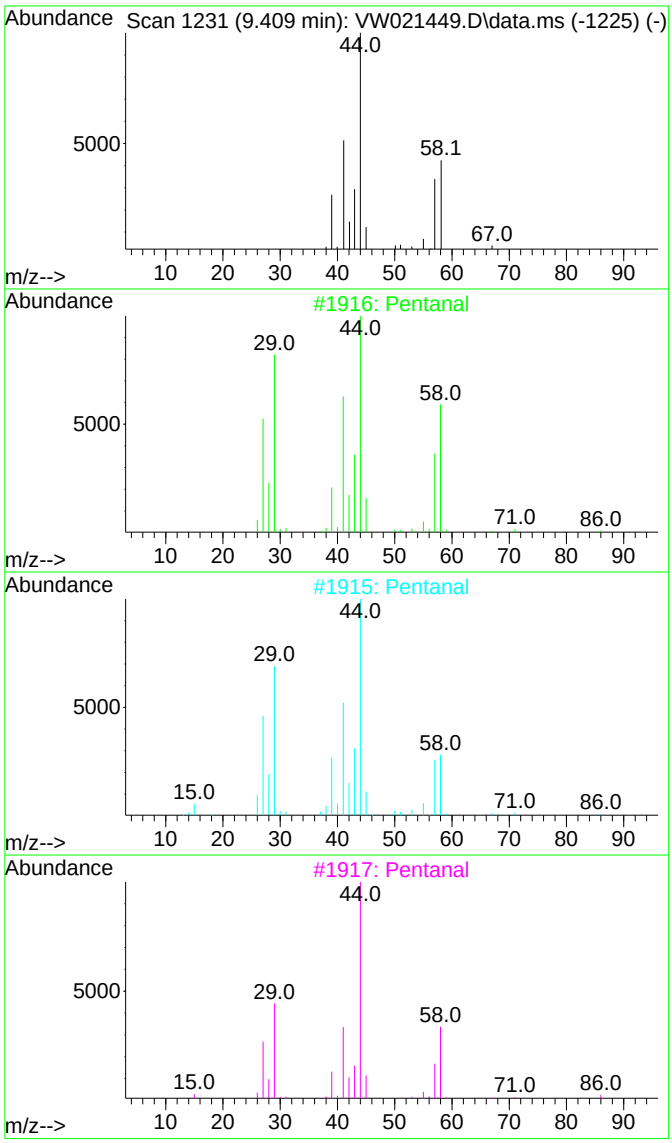
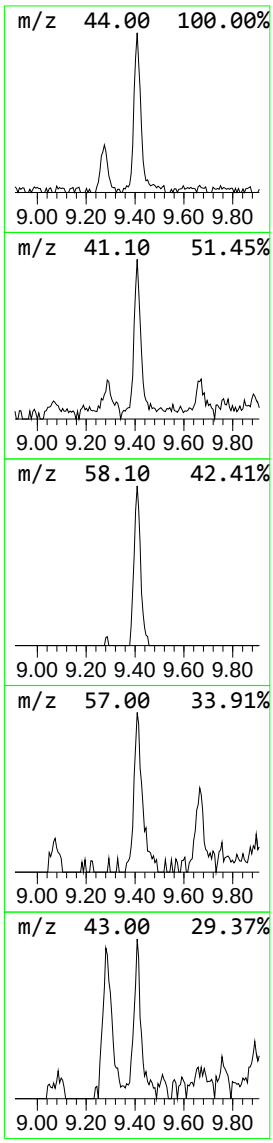
Peak Number 4 Pentanal Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.409	1.98 ug/L	16918	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	64
3	Pentanal	86	C5H10O	000110-62-3	56
4	Cyclopropyl carbinol	72	C4H8O	002516-33-8	38
5	Cyclopropyl carbinol	72	C4H8O	002516-33-8	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

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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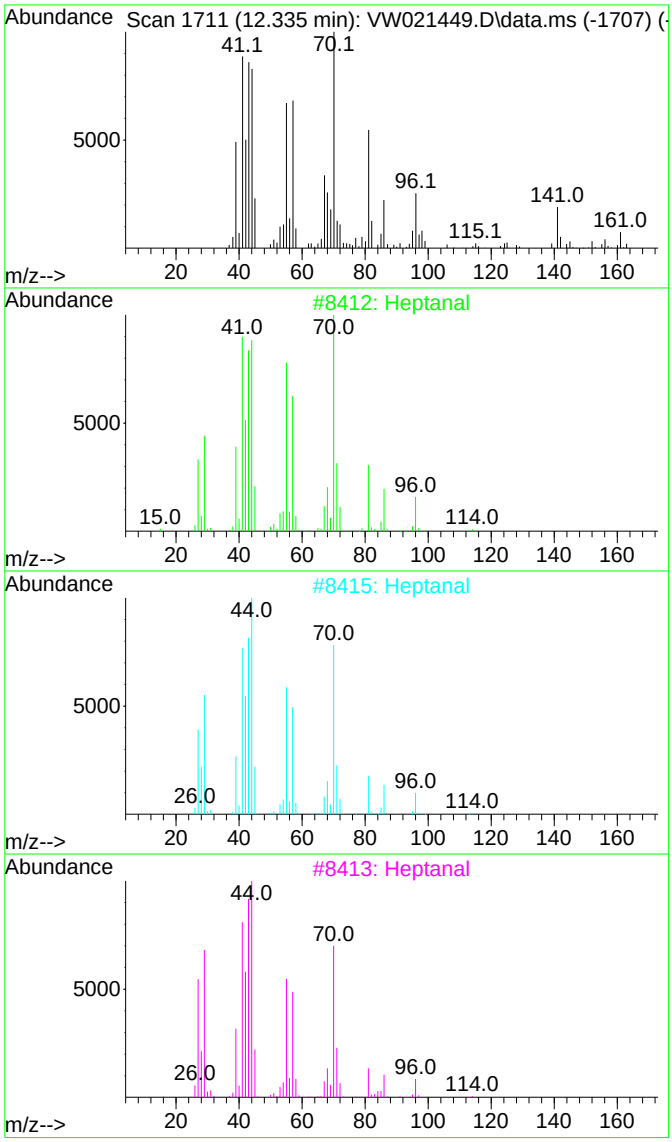
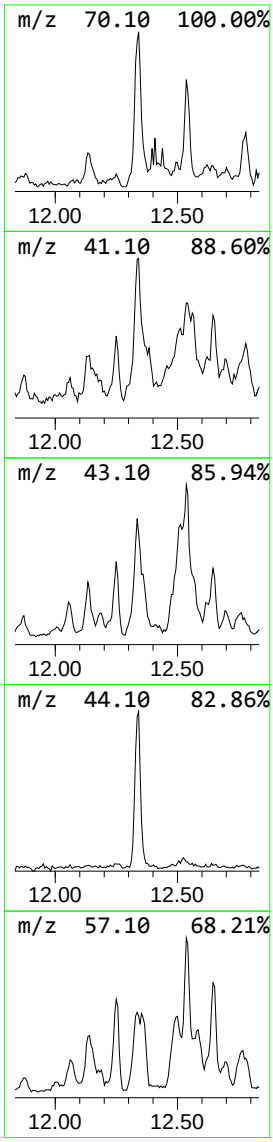
Peak Number 6 Heptanal Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.335	2.53 ug/L	86078	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	91
2	Heptanal	114	C7H14O	000111-71-7	81
3	Heptanal	114	C7H14O	000111-71-7	81
4	Heptanal	114	C7H14O	000111-71-7	81
5	2-Penten-1-ol, (E)-	86	C5H10O	001576-96-1	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

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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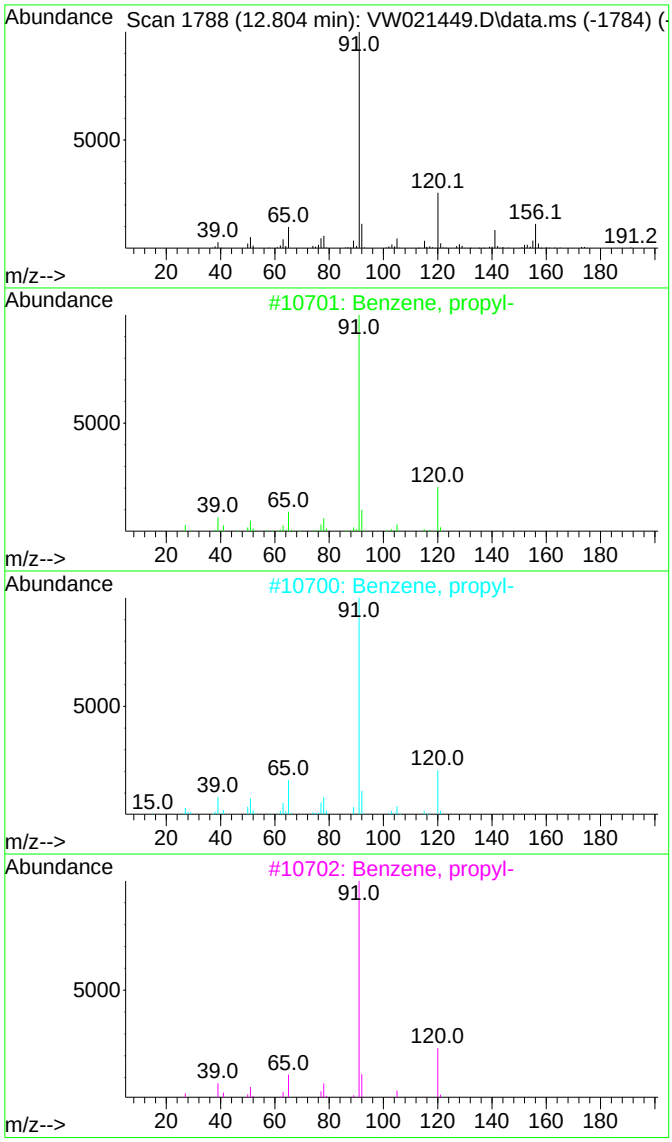
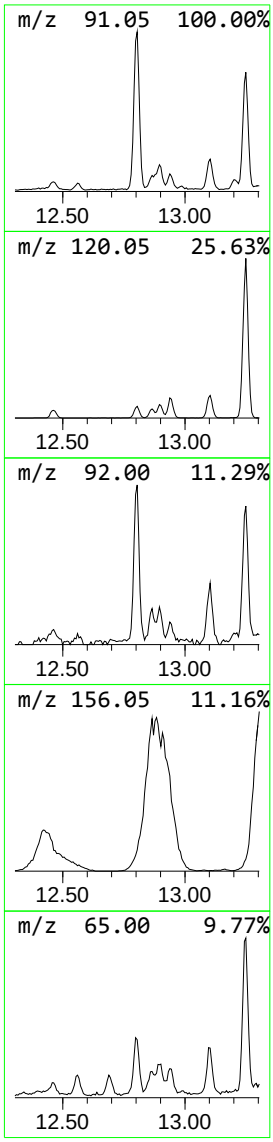
Peak Number 7 Benzene, propyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.804	1.86 ug/L	63867	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	70
2	Benzene, propyl-	120	C9H12	000103-65-1	70
3	Benzene, propyl-	120	C9H12	000103-65-1	70
4	Benzene, propyl-	120	C9H12	000103-65-1	58
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

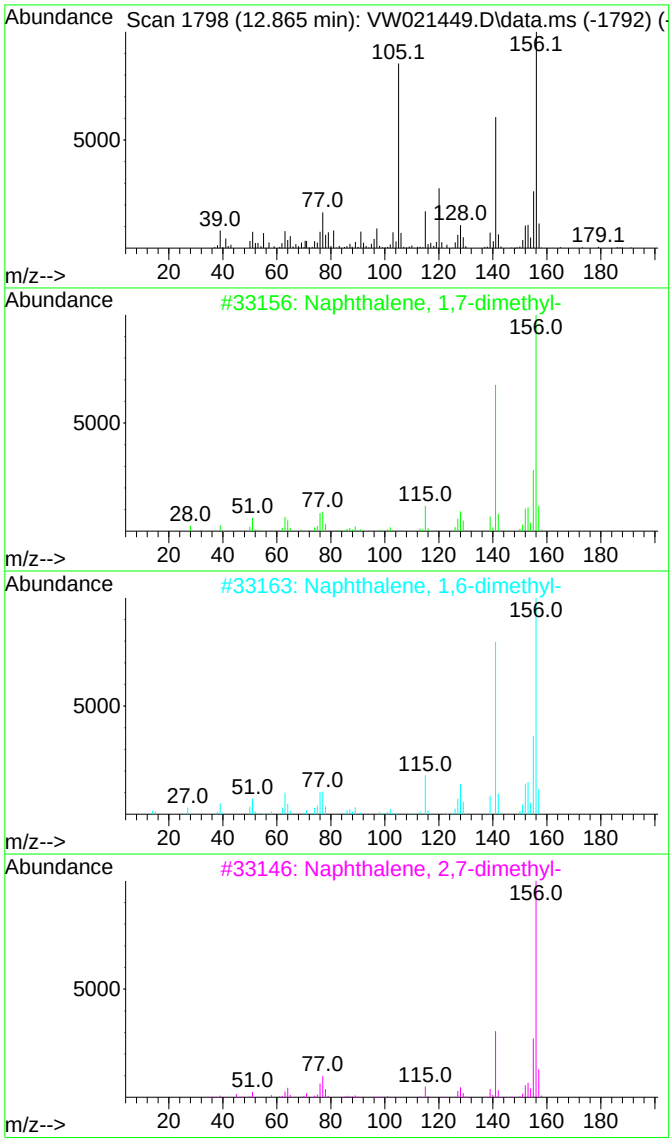
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

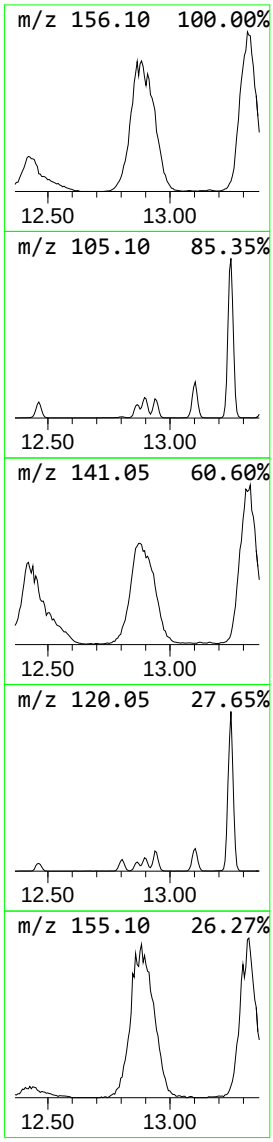
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 1,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	6.63 ug/L	228197	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

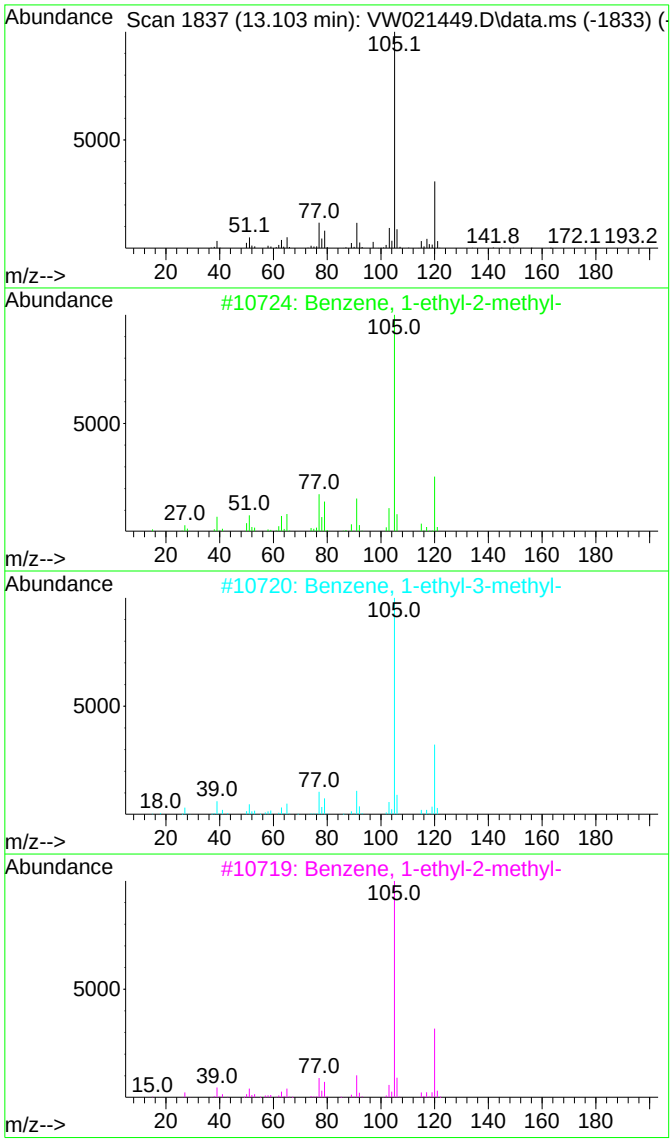
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

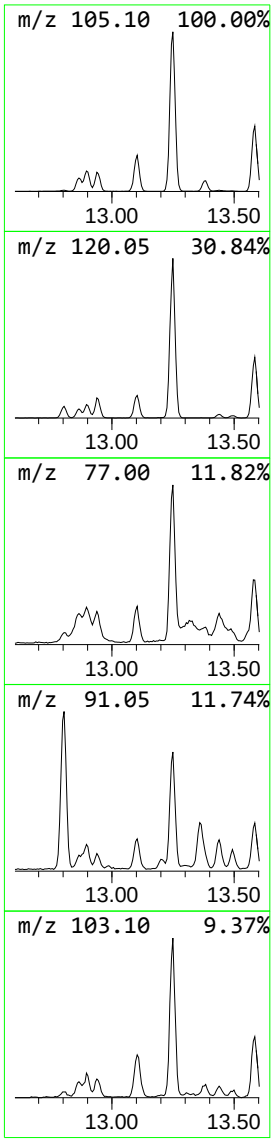
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	4.66 ug/L	160496	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	93
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

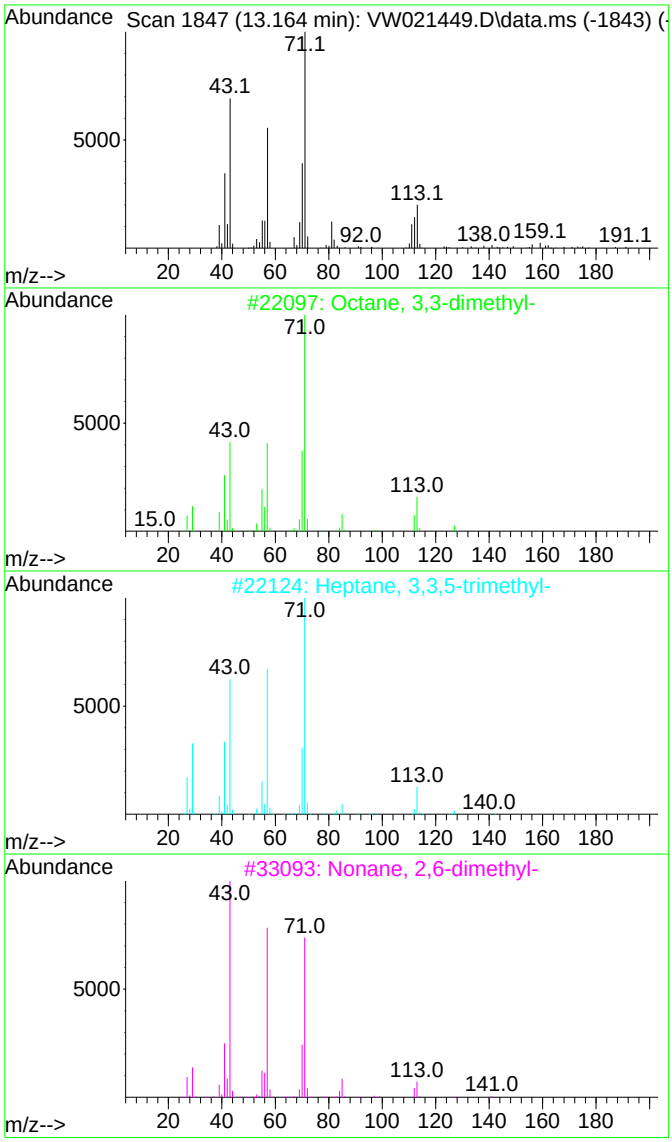
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

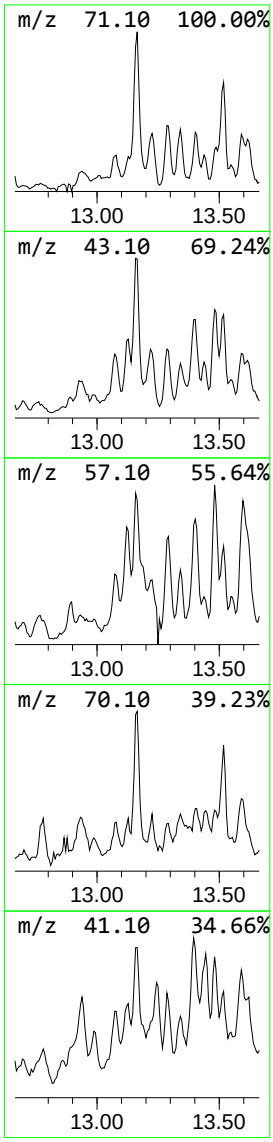
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	1.93 ug/L	66483	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
3	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	59
4	Decane, 4-methyl-	156	C11H24	002847-72-5	59
5	n-Amyl ether	158	C10H22O	000693-65-2	53





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Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

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

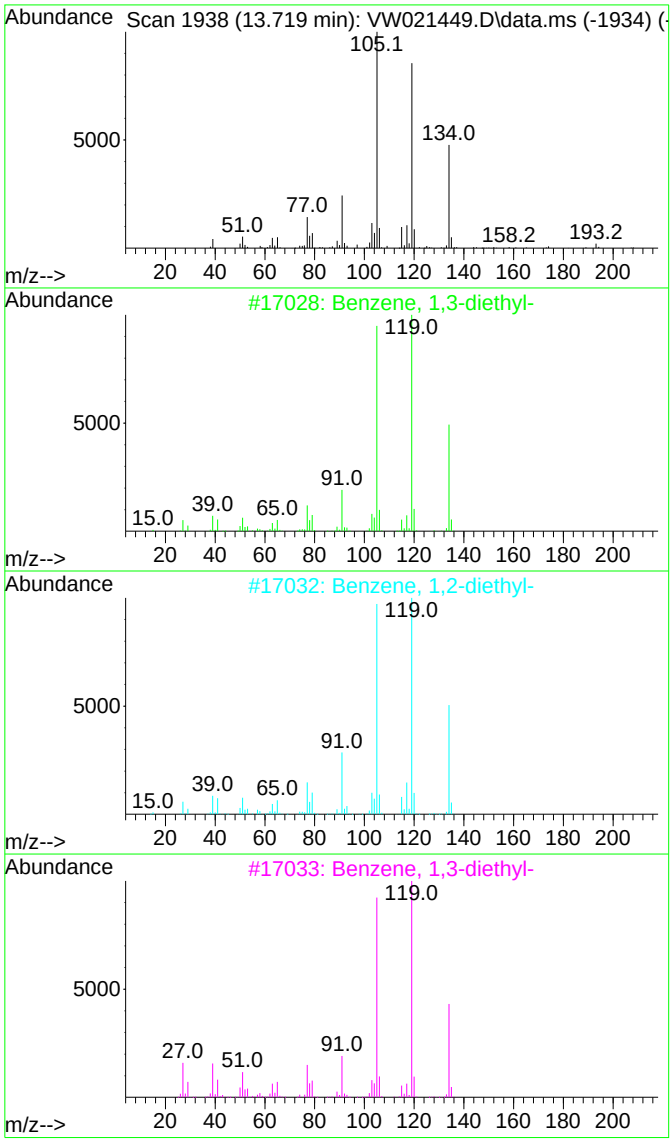
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

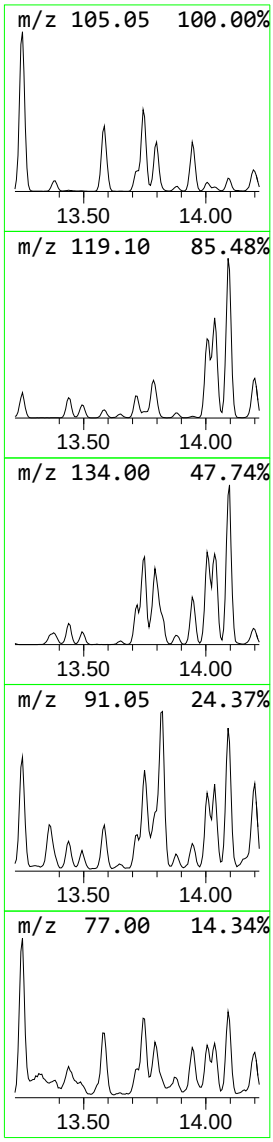
****

Peak Number 11 Benzene, 1,3-diethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.719	3.30 ug/L	113465	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, 1,2-diethyl-	134	C10H14	000135-01-3	94
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

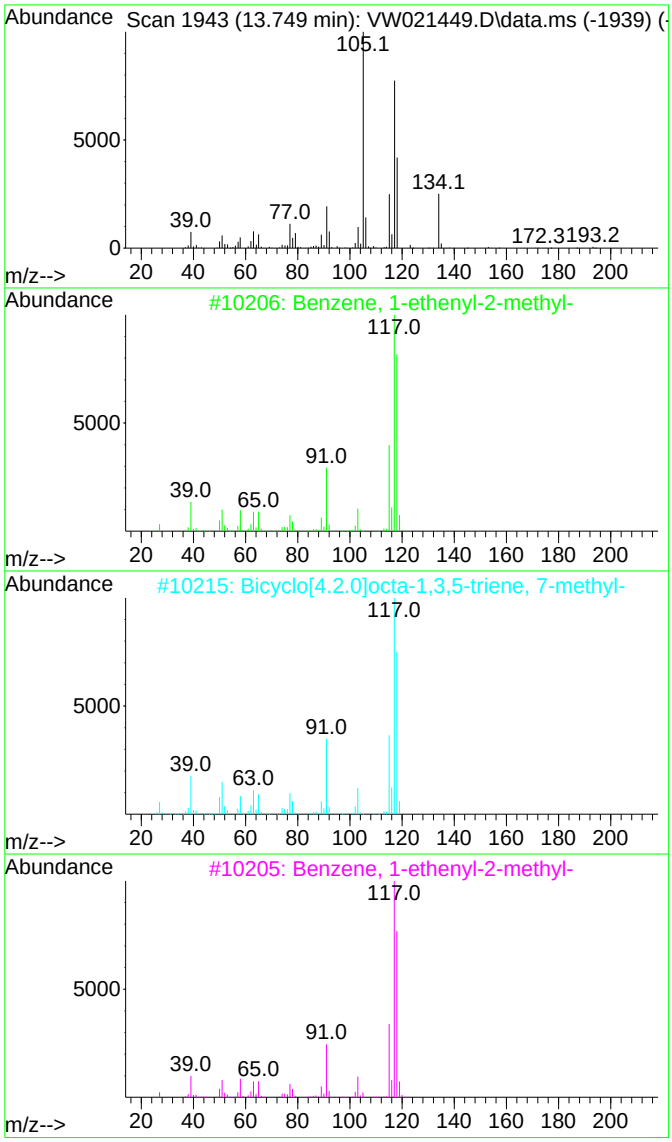
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

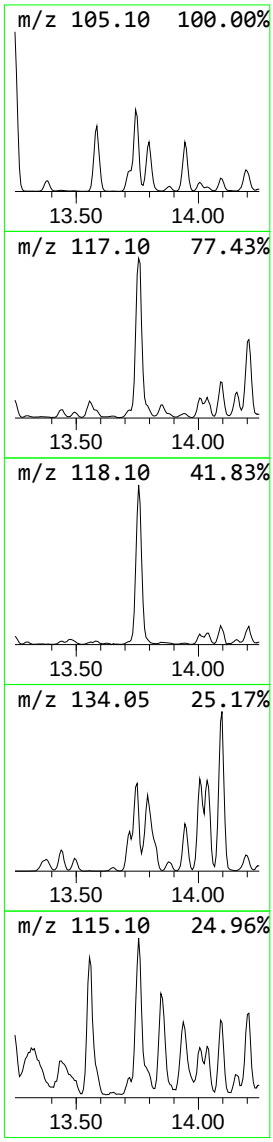
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, 1-ethenyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.749	12.27 ug/L	422507	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	64
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

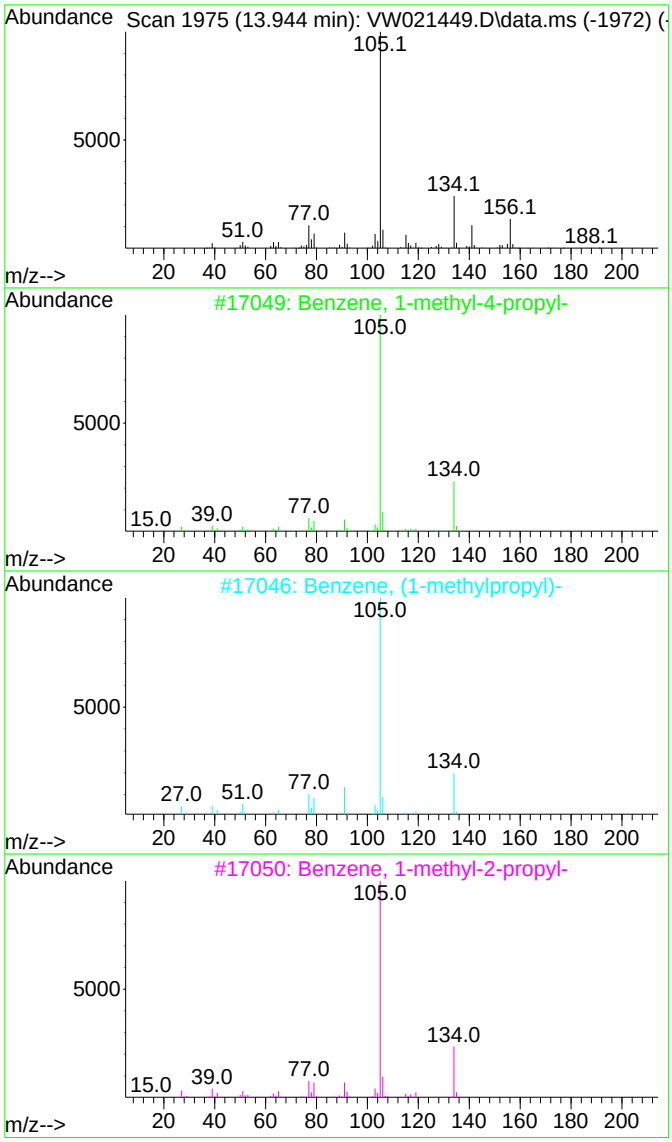
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

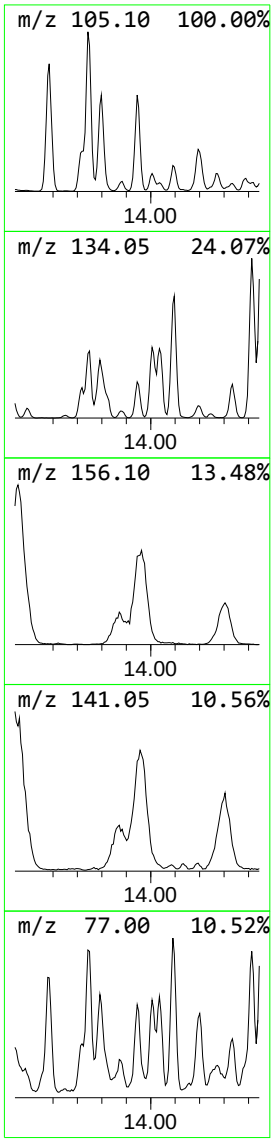
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1-methyl-4-propyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.944	4.63 ug/L	159340	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	64
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	64
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	64
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	58
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

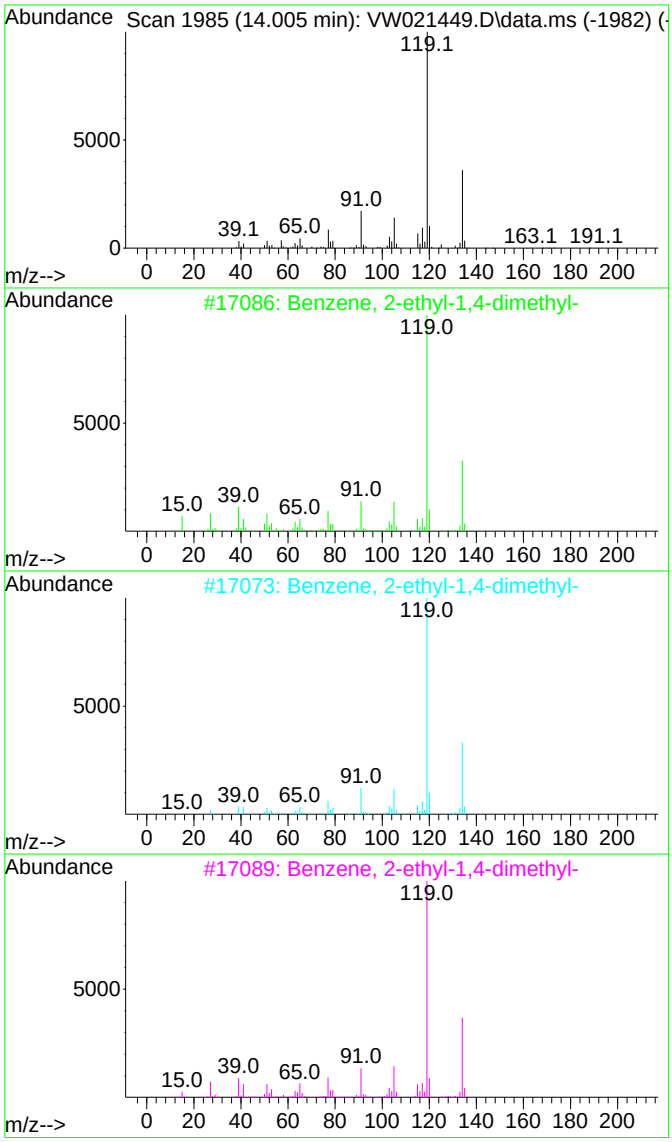
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

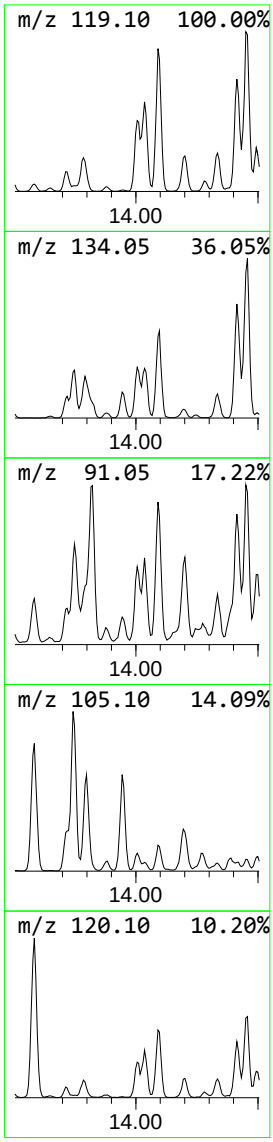
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.005	6.07 ug/L	209019	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, 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	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

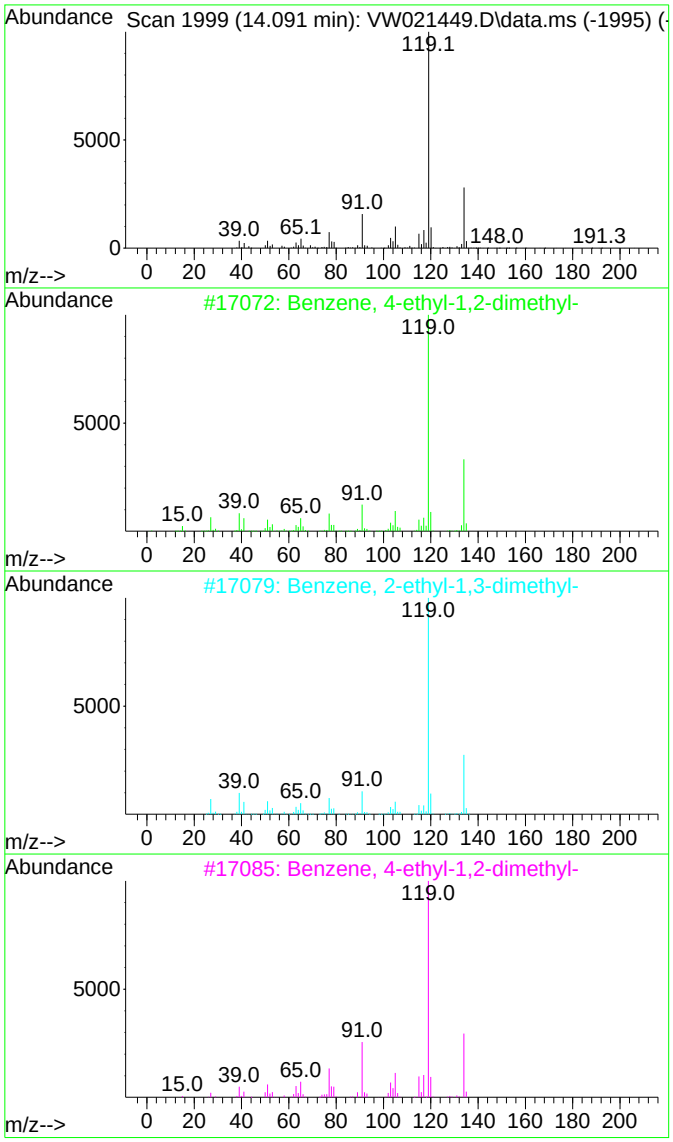
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

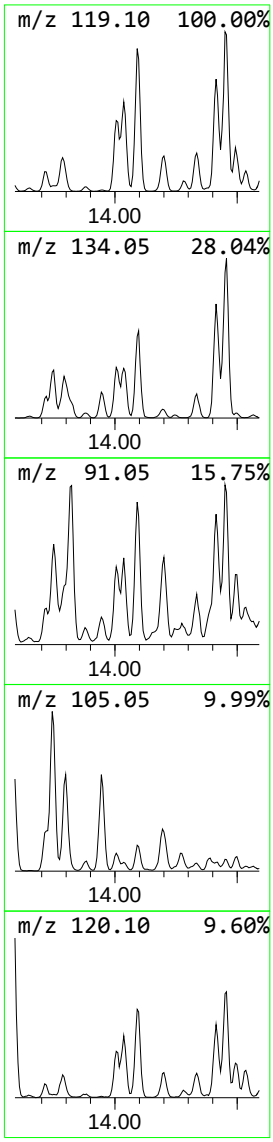
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.091	18.99 ug/L	653754	1,4-Dichlorobenzene-d4	13.554

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

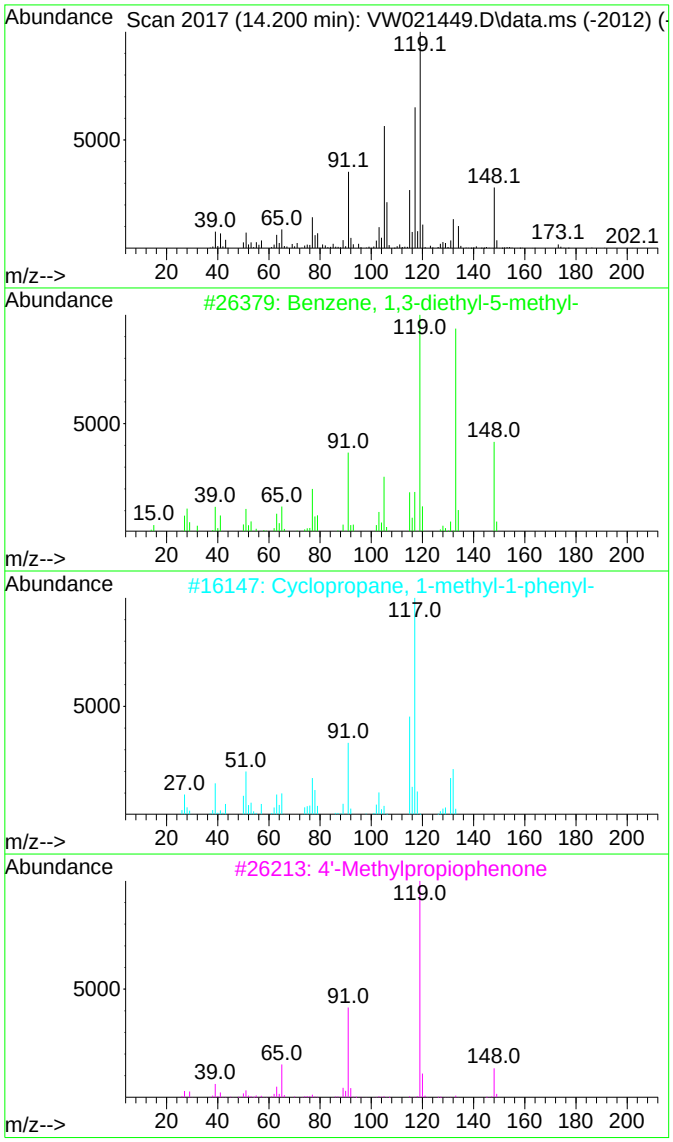
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

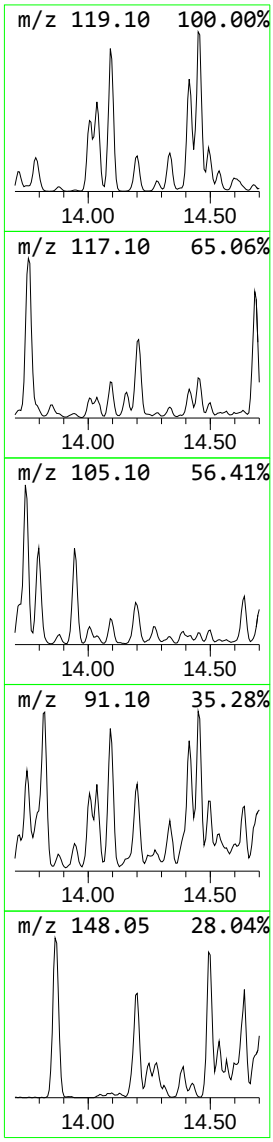
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.200	10.16 ug/L	349739	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	64
2	Cyclopropane, 1-methyl-1-phenyl-	132	C10H12	002214-14-4	52
3	4'-Methylpropiophenone	148	C10H12O	005337-93-9	50
4	o-Cymene	134	C10H14	000527-84-4	49
5	p-Cymene	134	C10H14	000099-87-6	46





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Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

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

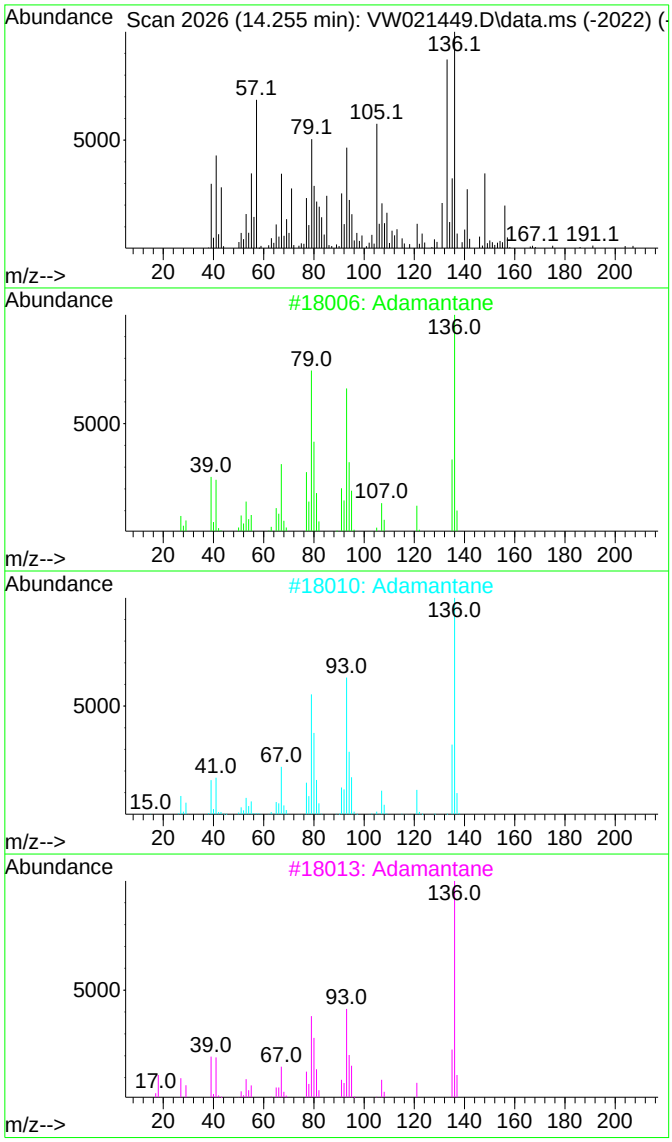
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

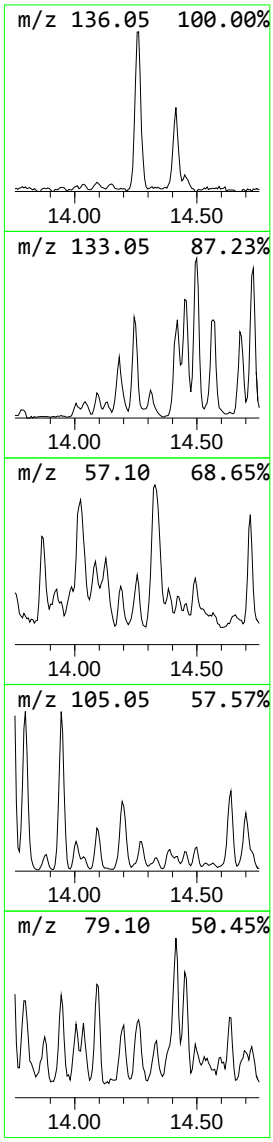
****

Peak Number 17 Adamantane Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.255	5.67 ug/L	195049	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	95
2	Adamantane	136	C10H16	000281-23-2	83
3	Adamantane	136	C10H16	000281-23-2	46
4	Adamantane	136	C10H16	000281-23-2	38
5	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

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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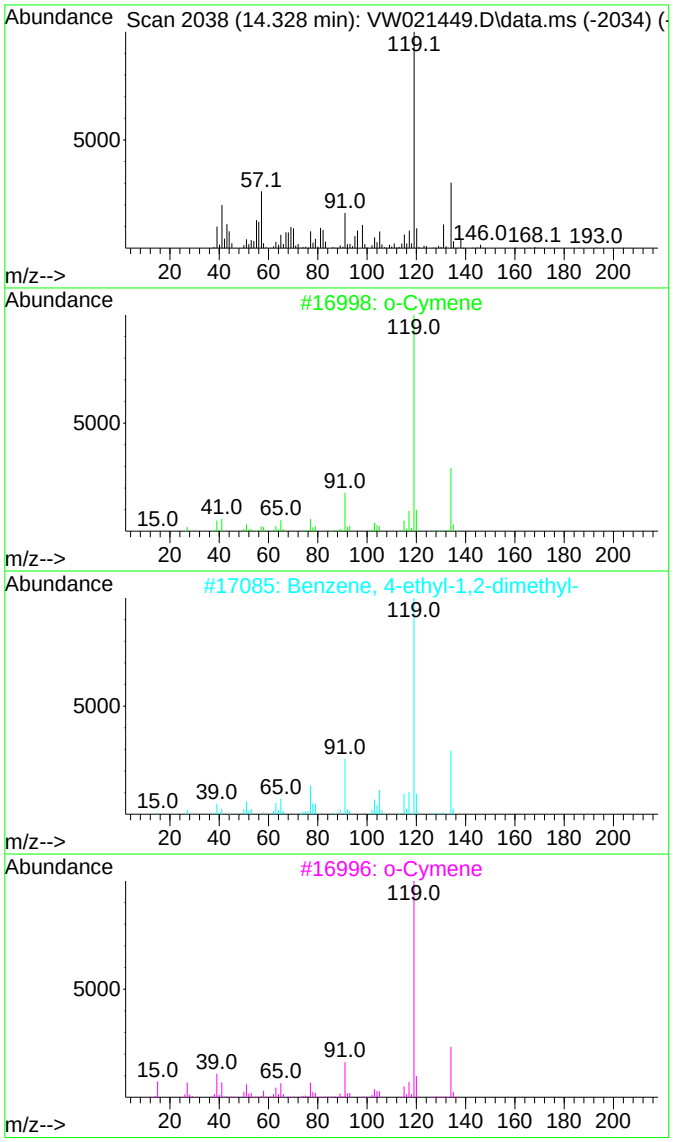
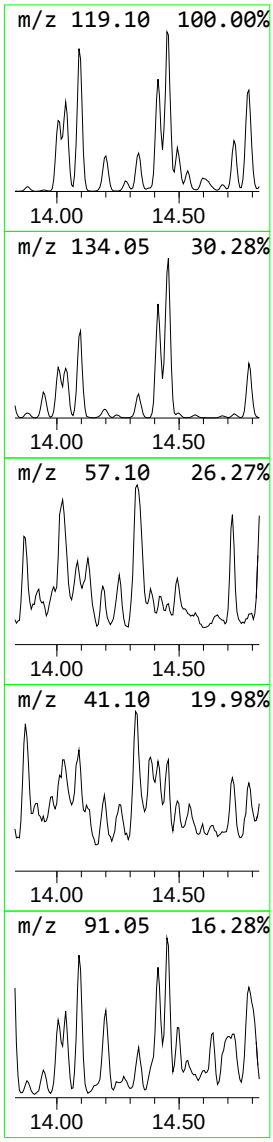
Peak Number 18 o-Cymene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.328	8.97 ug/L	308869	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-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	o-Cymene	134	C10H14	000527-84-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

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

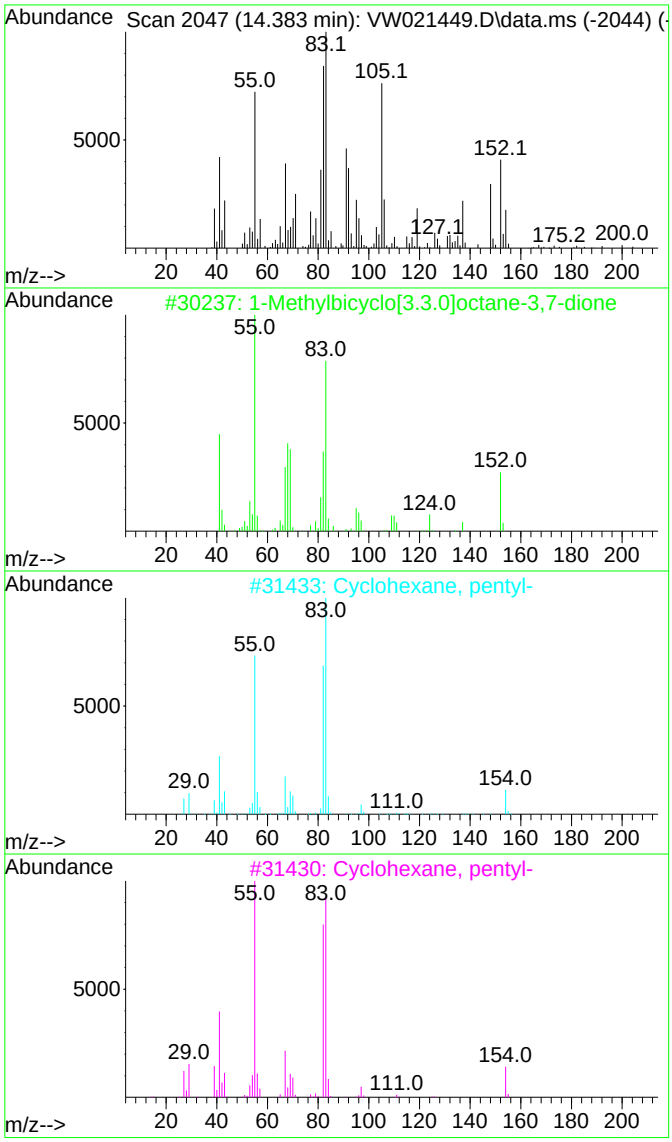
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

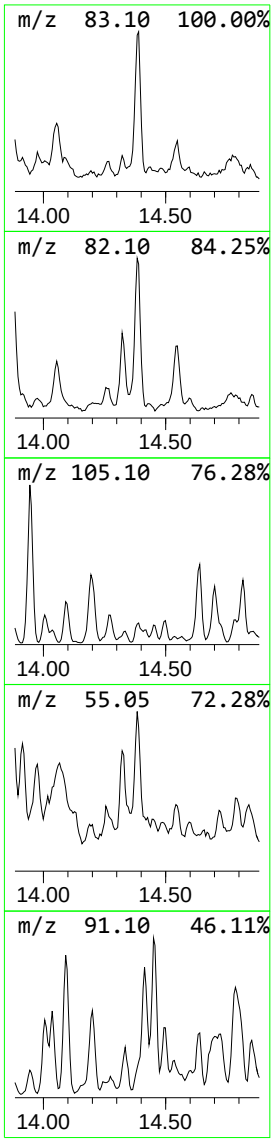
****

Peak Number 19 unknown-01 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	3.04 ug/L	104782	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylbicyclo[3.3.0]octane-3,7...	152	C9H12O2	021170-08-1	47
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	45
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	38





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Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

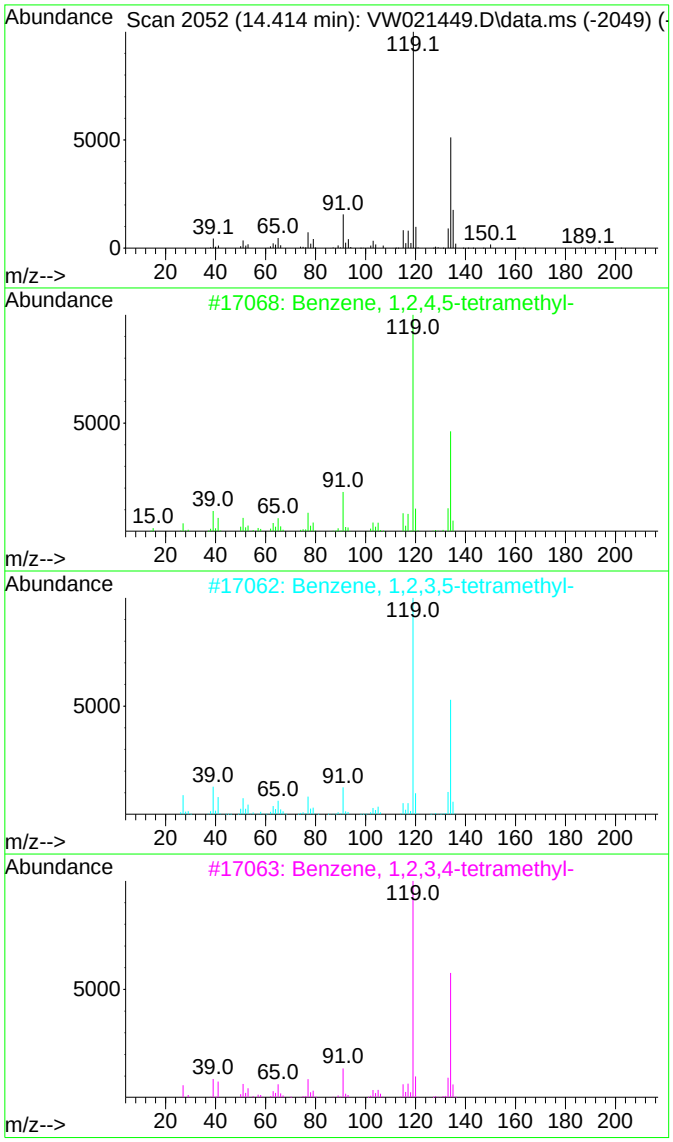
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

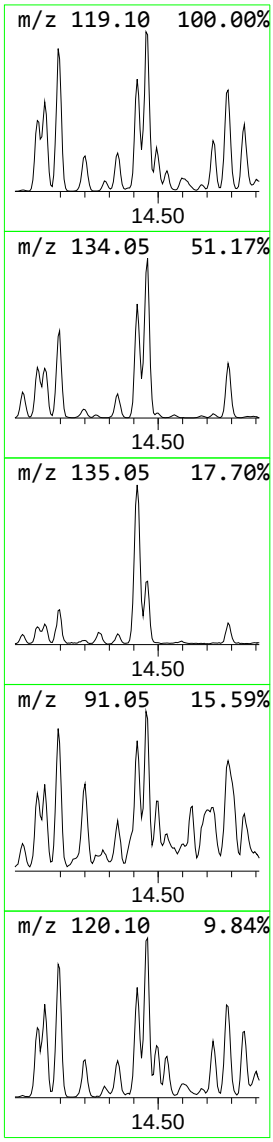
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.414	14.47 ug/L	498184	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, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





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Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

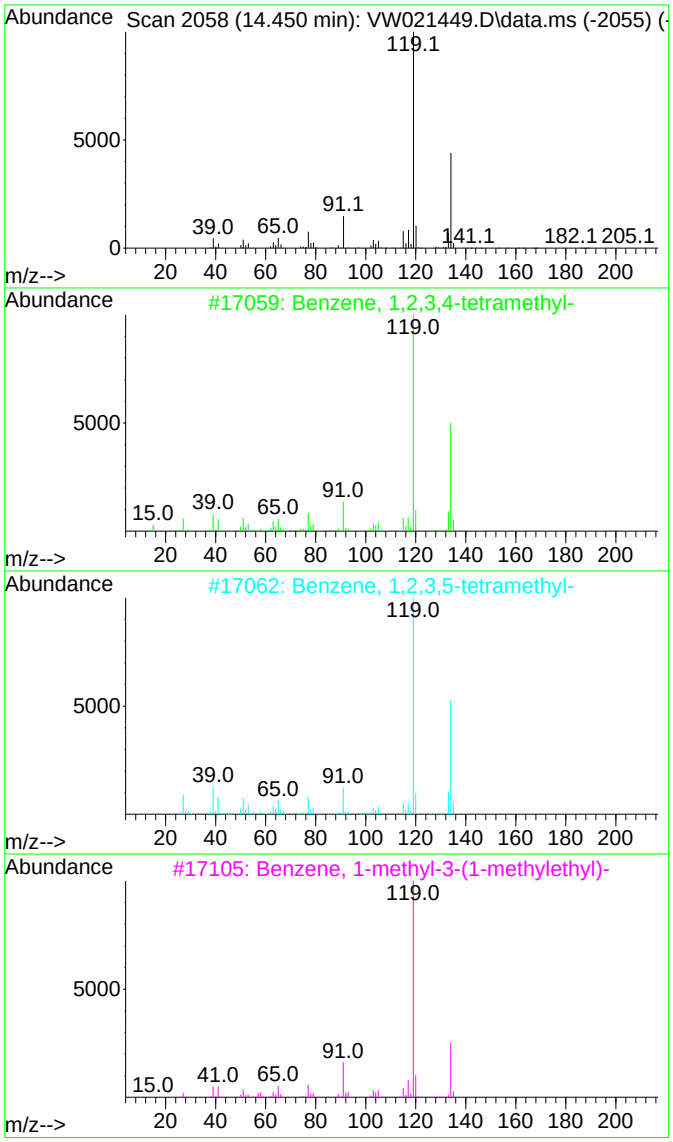
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

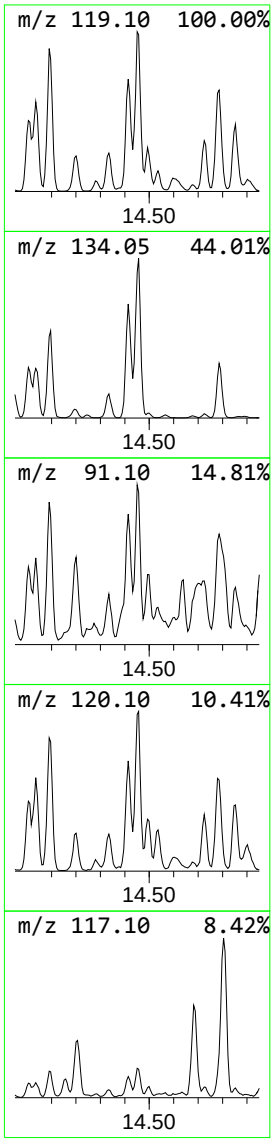
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.450	17.36 ug/L	597559	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, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91





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Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

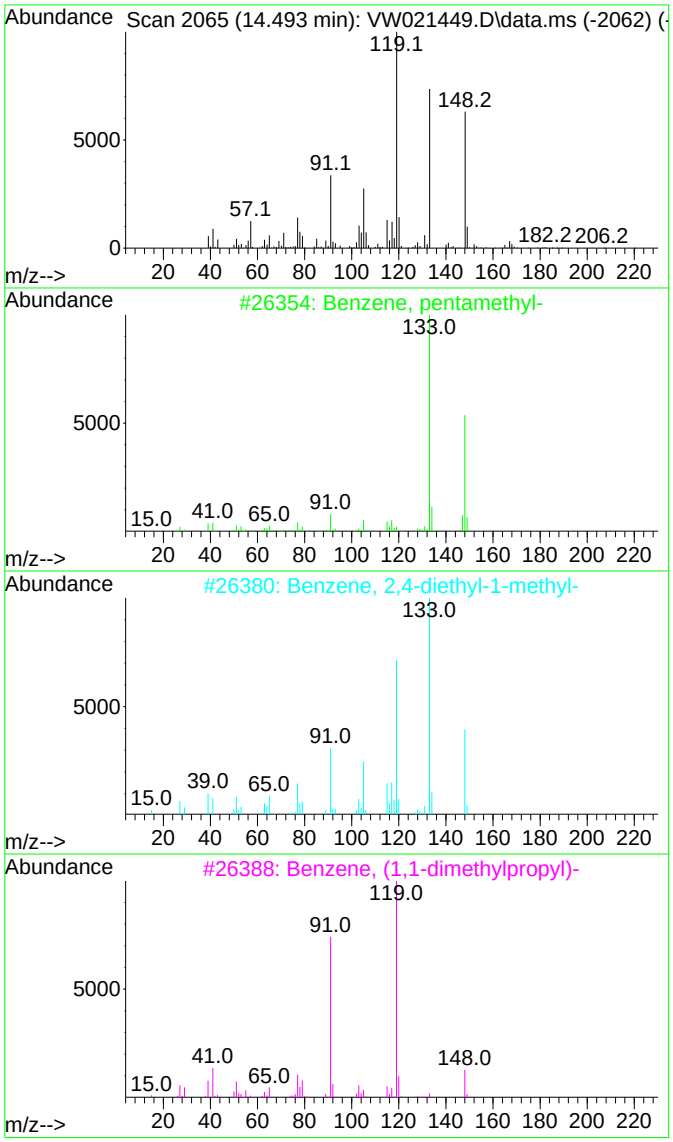
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

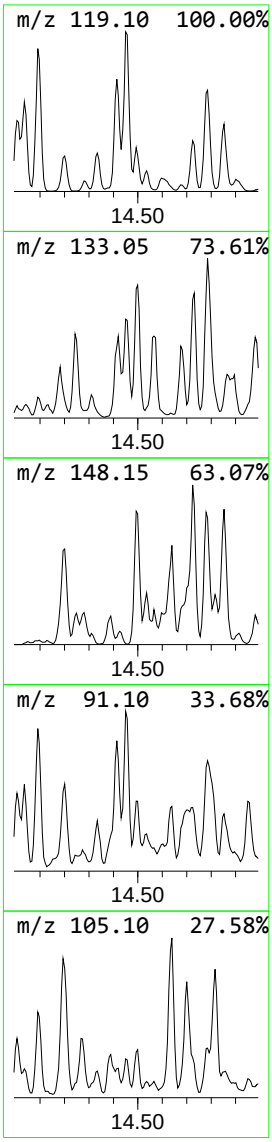
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzene, pentamethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.493	4.30 ug/L	148082	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	64
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	52
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	43
4	4-Methylphthalaldehyde	148	C9H8O2	015158-36-8	43
5	2,5-Dimethylbenzyl chloride	154	C9H11Cl	000824-45-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

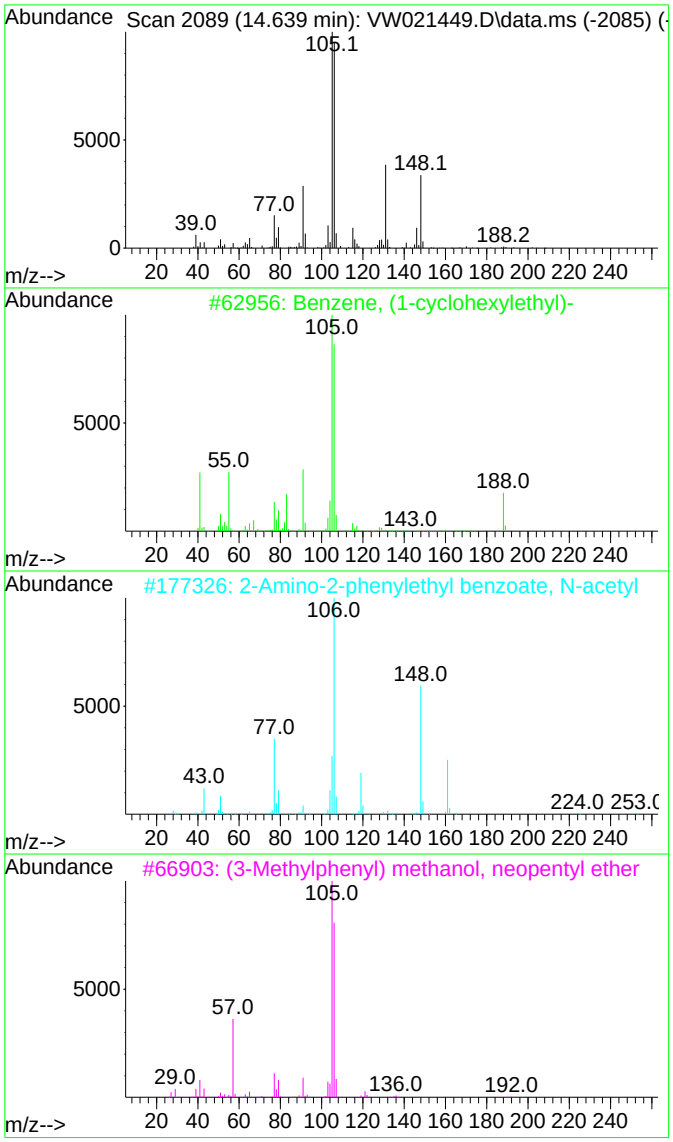
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

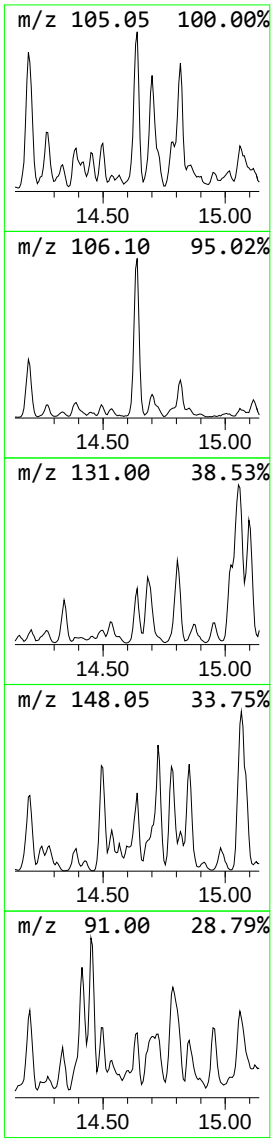
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Benzene, (1-cyclohexylethyl)- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.639	4.59 ug/L	157962	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-cyclohexylethyl)-	188	C14H20	004413-16-5	47
2	2-Amino-2-phenylethyl benzoate, ...	283	C17H17NO3	1000507-18-4	47
3	(3-Methylphenyl) methanol, neope...	192	C13H20O	1000374-44-1	43
4	Benzenamine, N-butyl-	149	C10H15N	001126-78-9	27
5	Benzenamine, N-ethyl-	121	C8H11N	000103-69-5	27





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Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

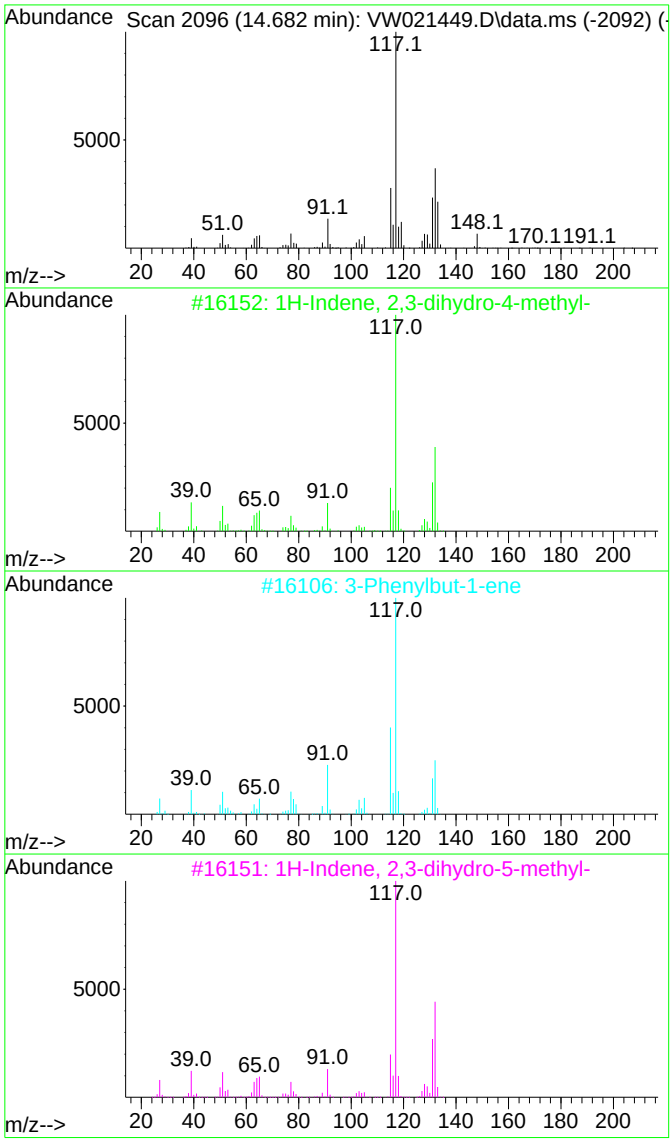
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

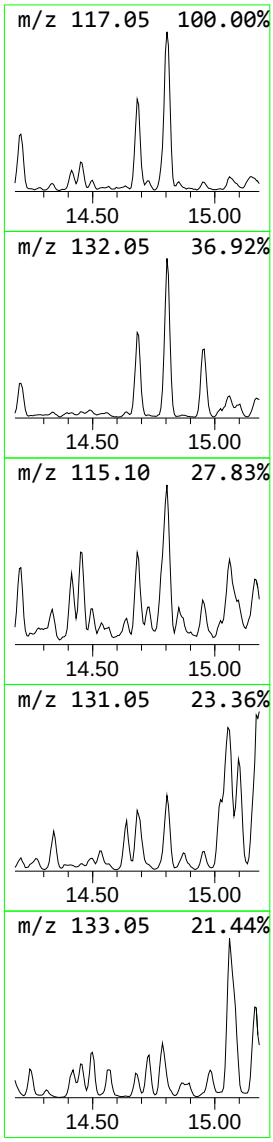
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.682	8.48 ug/L	291917	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	81
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	76
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76





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Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

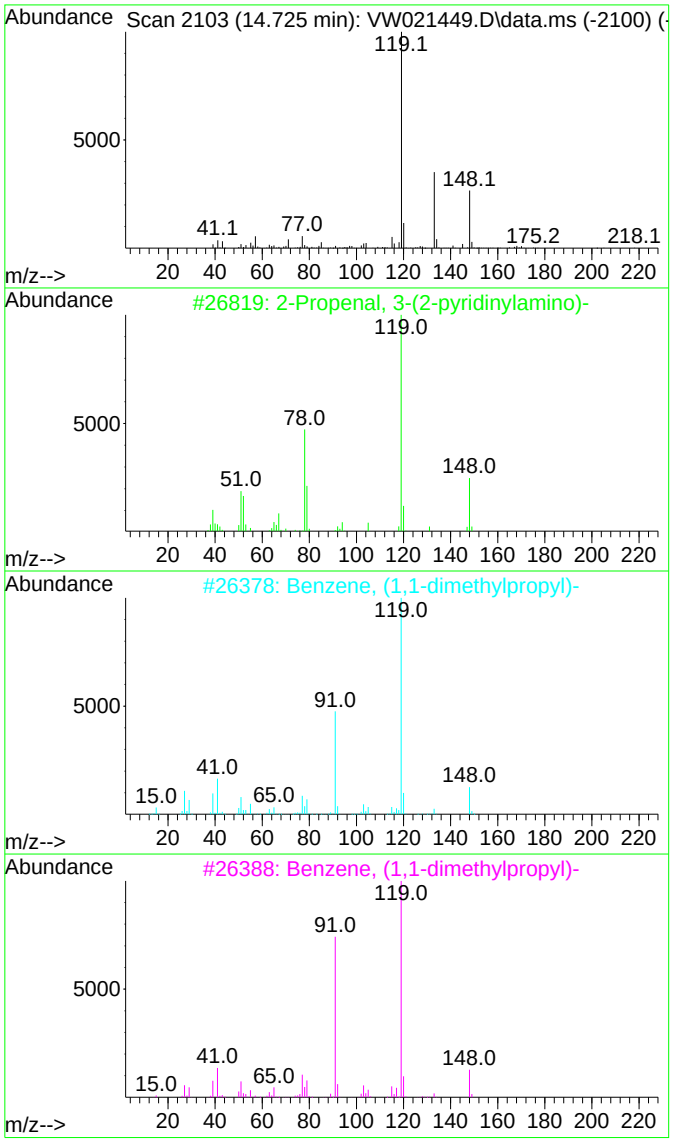
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

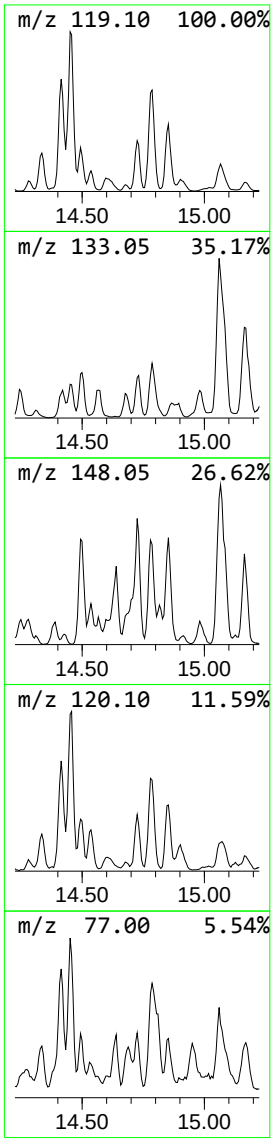
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 2-Propenal, 3-(2-pyridinyla... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.725	7.58 ug/L	260930	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	59
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	59
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	59
4	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	59
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	52





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Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

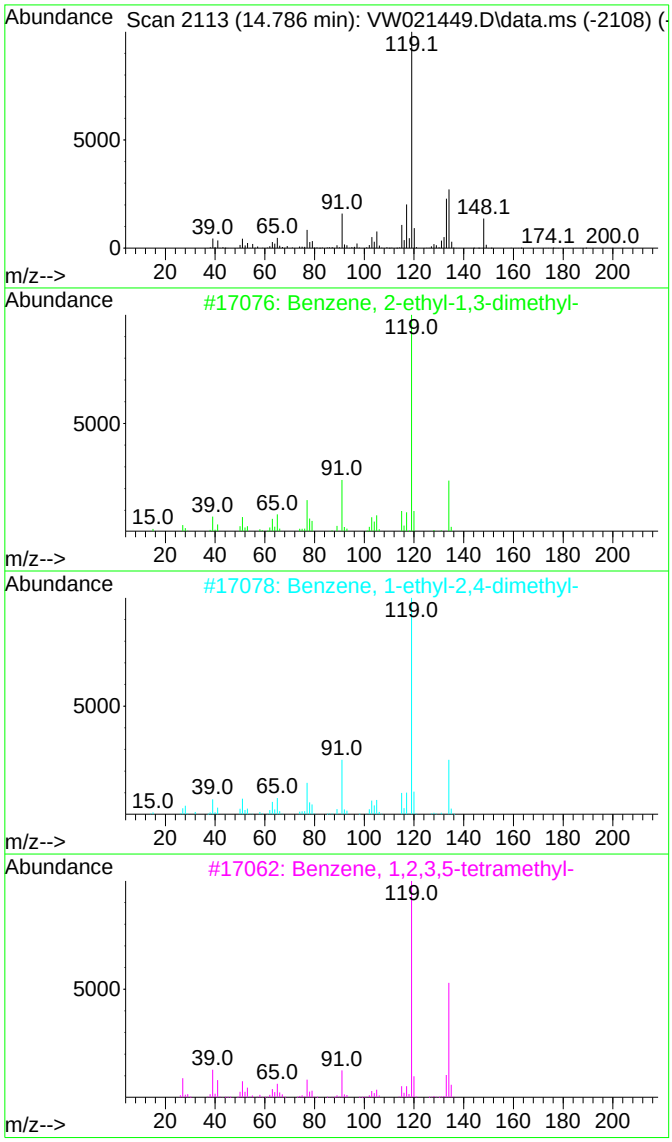
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

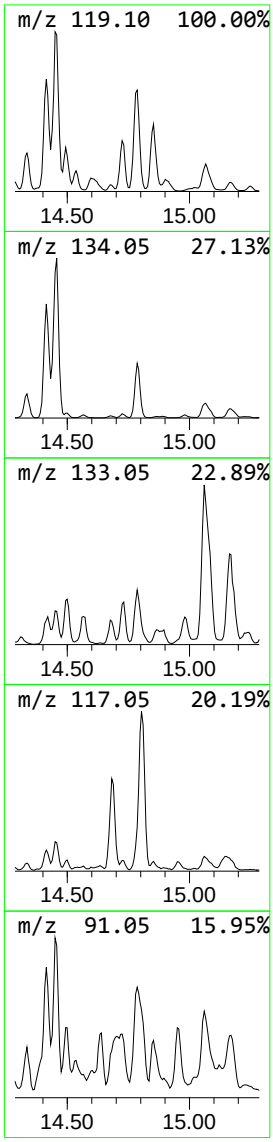
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.786	27.37 ug/L	942385	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

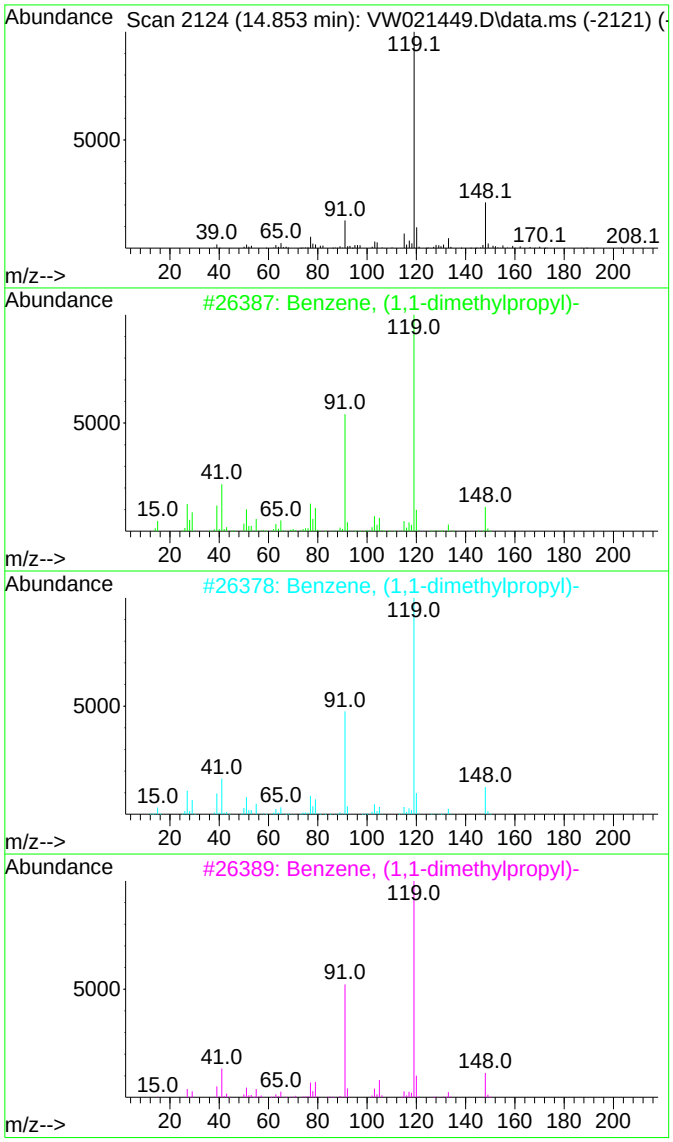
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

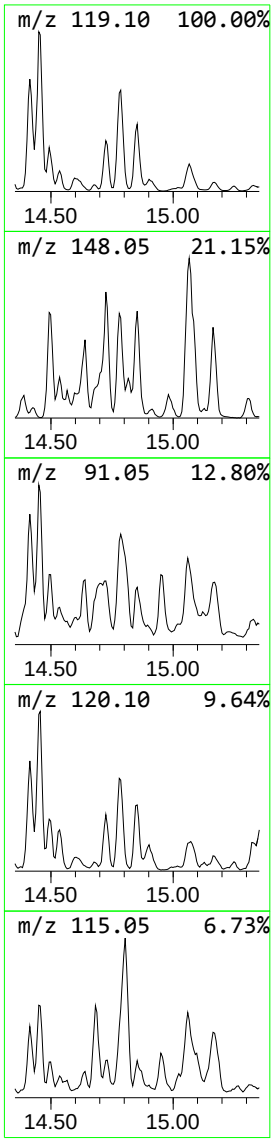
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Benzene, (1,1-dimethylpropyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.853	6.76 ug/L	232587	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	87
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	86
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	78
4	Acetic acid, (2,4-xylyl)-	164	C10H12O2	006331-04-0	59
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	59





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Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

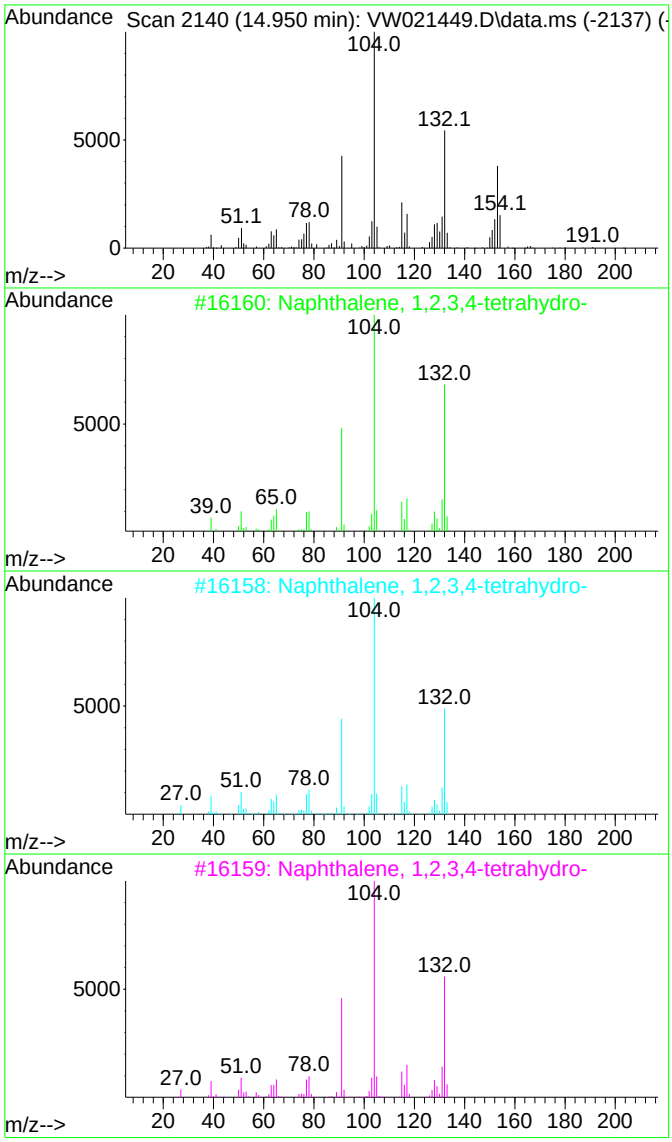
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

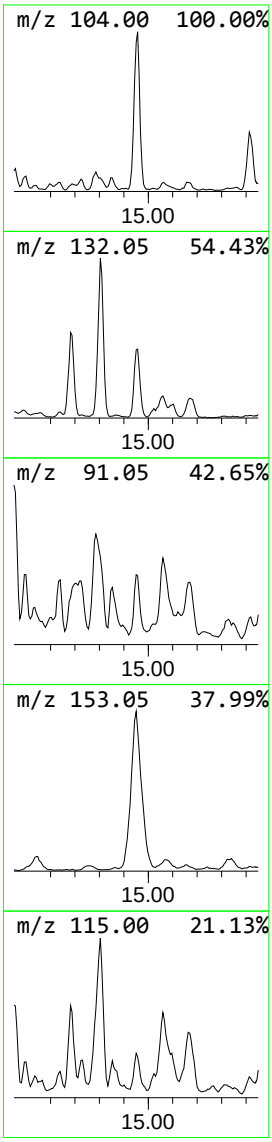
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.950	7.99 ug/L	274918	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	95
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	86





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Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

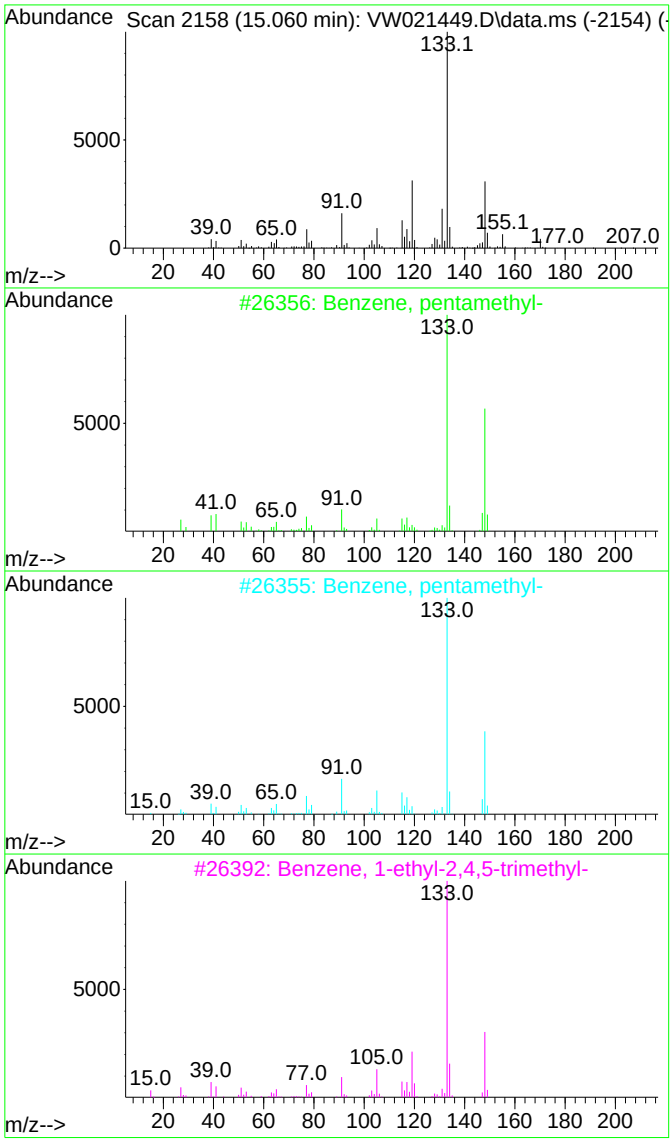
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

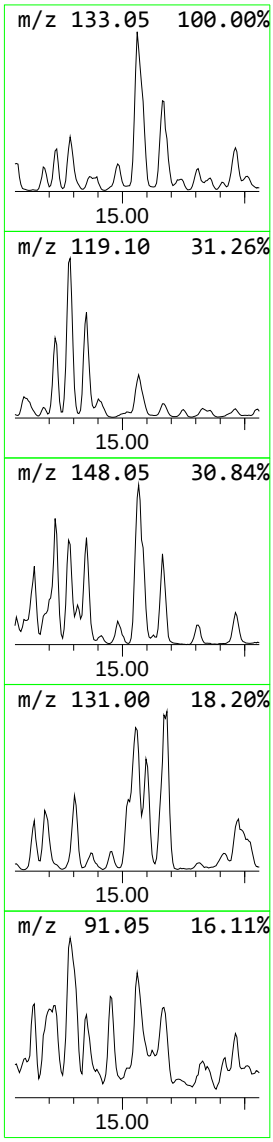
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Benzene, 1-ethyl-2,4,5-trim... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	16.58 ug/L	570847	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
3	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	72
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	72
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

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

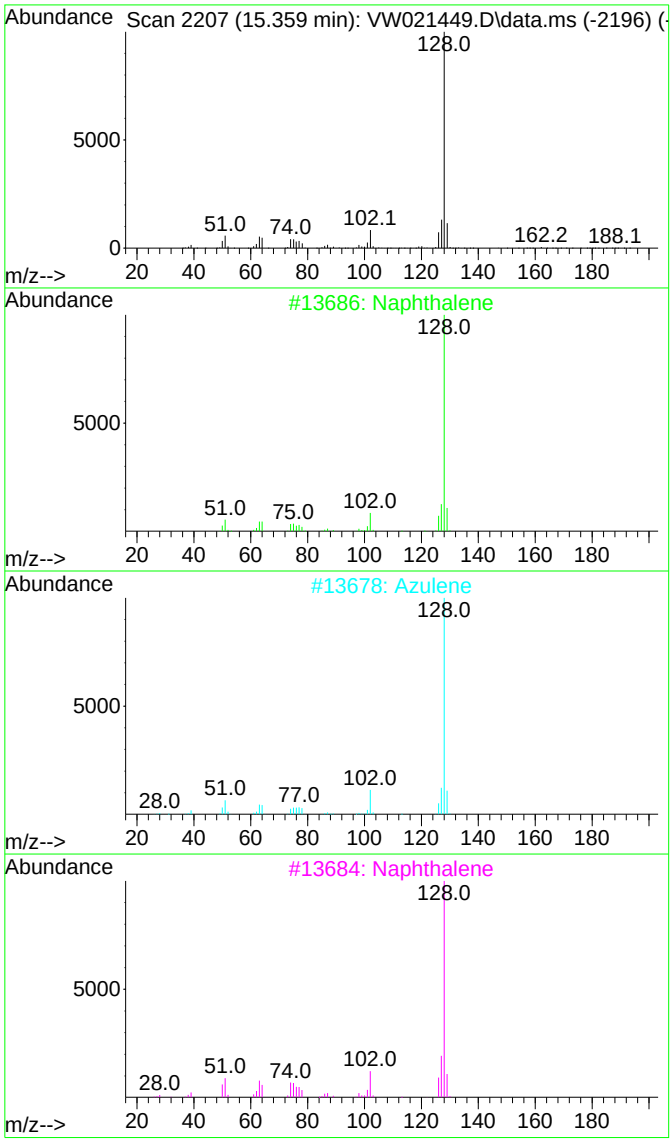
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

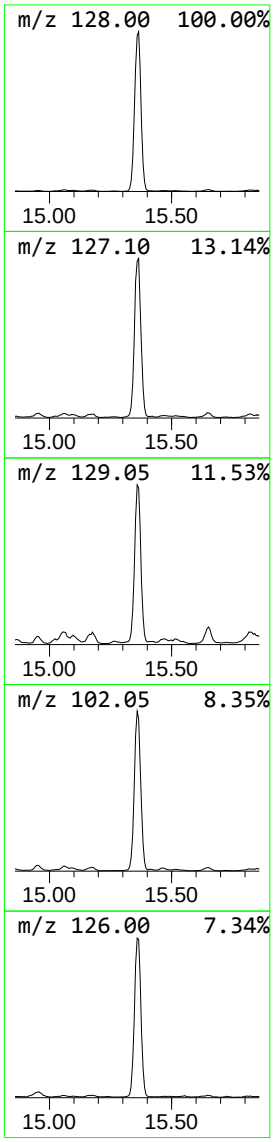
****

Peak Number 30 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.359	66.21 ug/L	2279380	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	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\VW121821\
Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

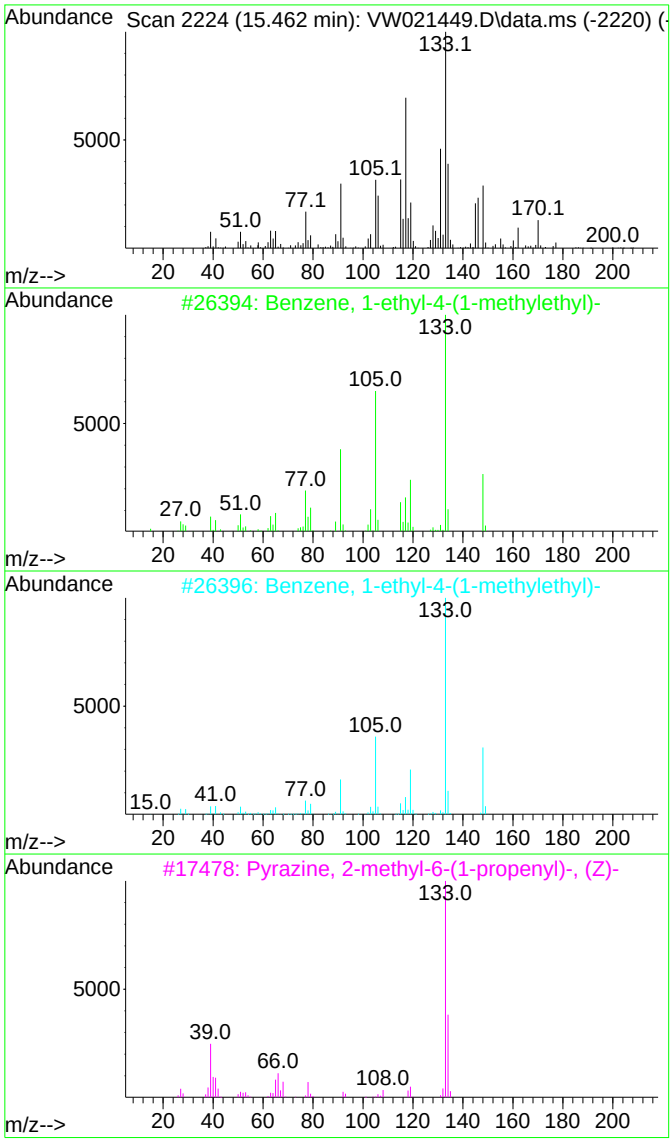
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

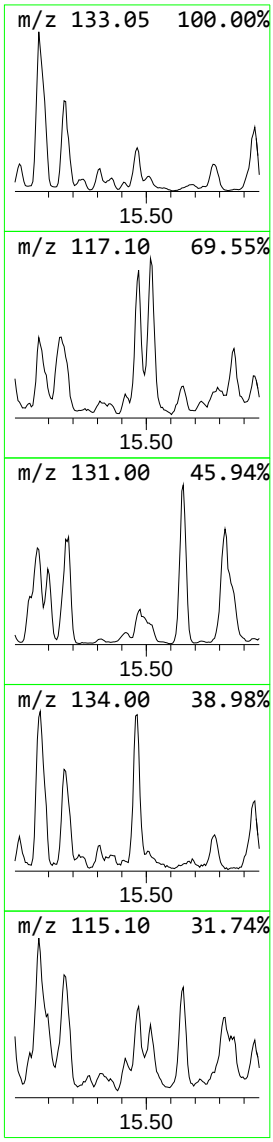
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.462	5.68 ug/L	195498	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	38
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	35
3	Pyrazine, 2-methyl-6-(1-propenyl...	134	C8H10N2	055138-67-5	30
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	30
5	1H-Inden-1-ol, 2,3-dihydro-	134	C9H10O	006351-10-6	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

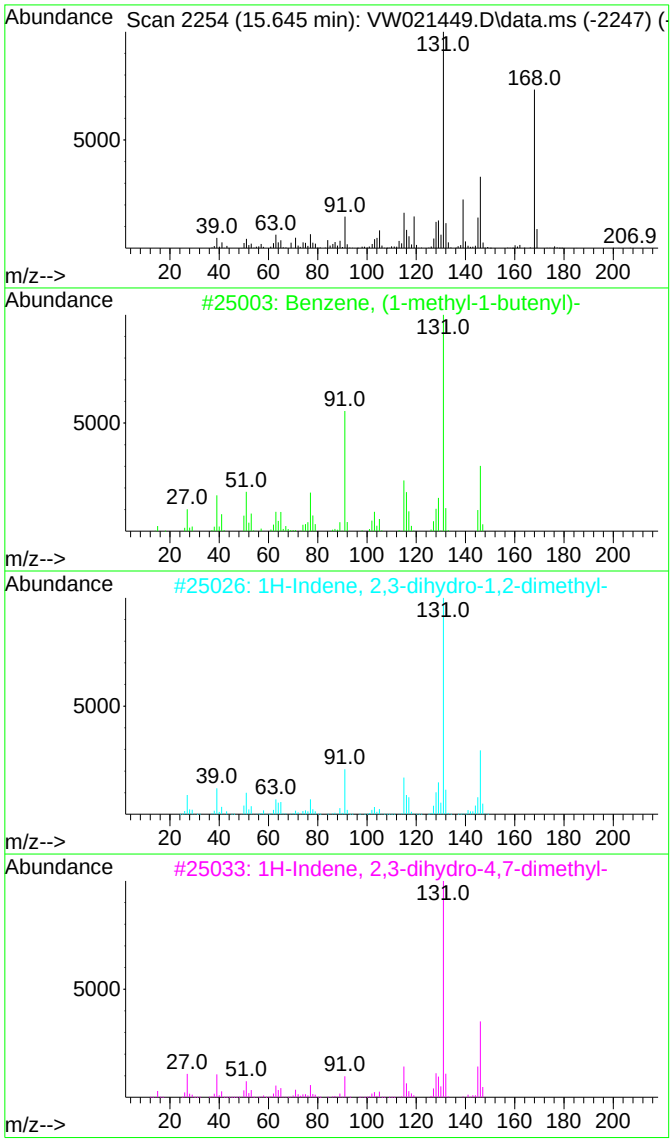
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

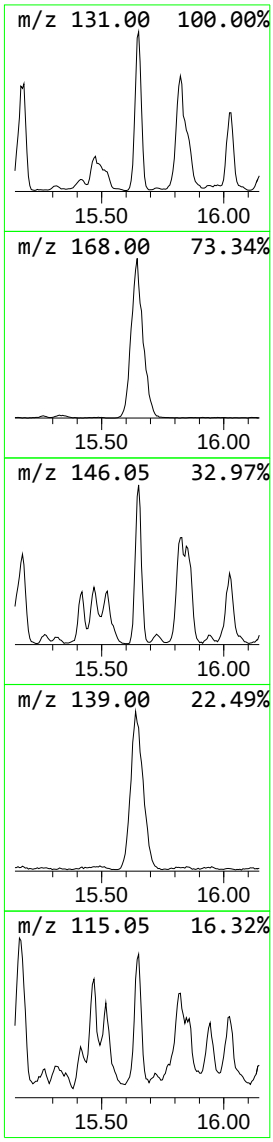
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Benzene, (1-methyl-1-butenyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.645	17.33 ug/L	596583	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	89
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	70
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70
5	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

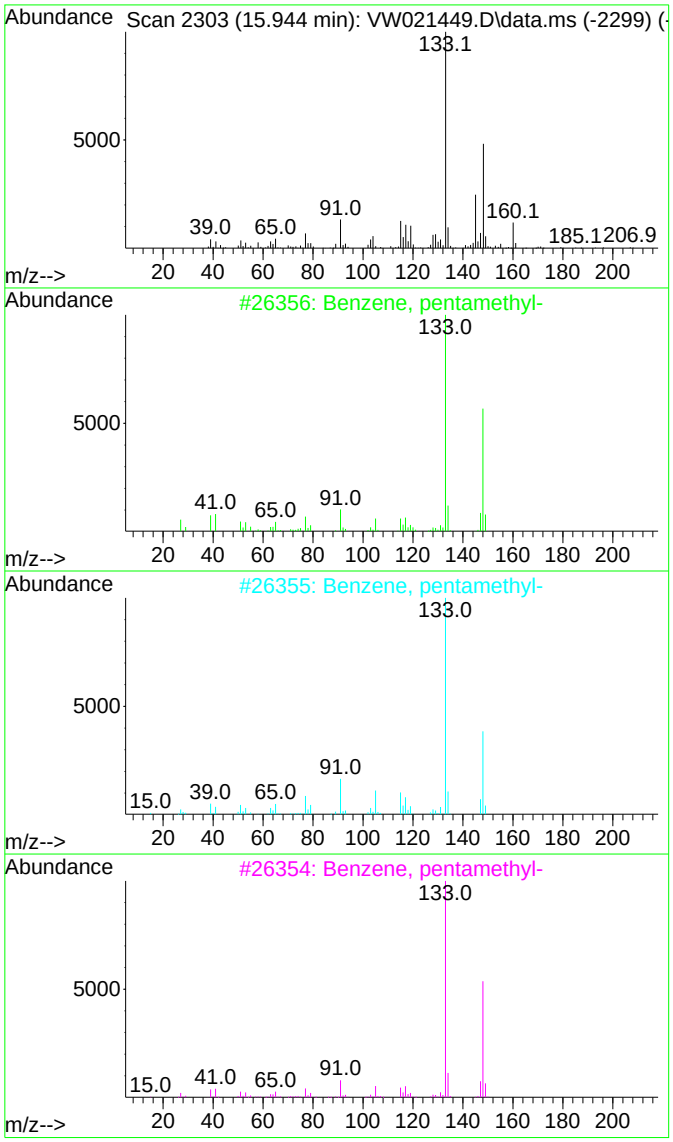
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

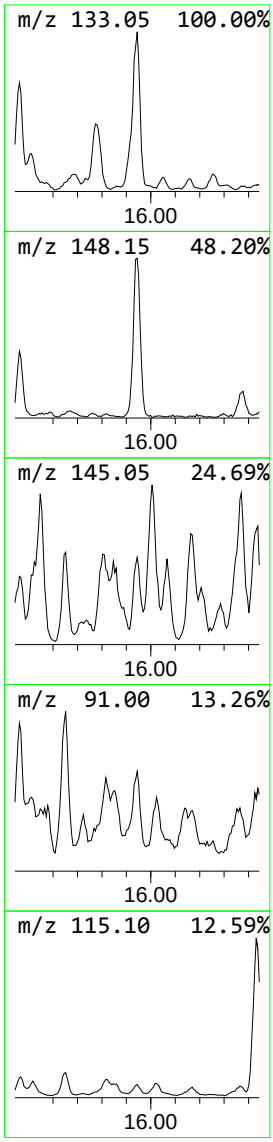
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.944	5.80 ug/L	199526	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	74
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	72
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	64
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021449.D
Acq On : 18 Dec 2021 02:52
Operator : SY/VA
Sample : M5153-06
Misc : 5.42g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL71

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	4.3	ug/L	36442	1	8.842	213733	25.0
Butanal	6.903	2.7	ug/L	23011	1	8.842	213733	25.0
Pentanal	9.409	2.0	ug/L	16918	1	8.842	213733	25.0
Heptanal	12.335	2.5	ug/L	86078	2	11.634	849586	25.0
Benzene, propyl-	12.804	1.9	ug/L	63867	3	13.554	860642	25.0
Naphthalene, 1,...	12.865	6.6	ug/L	228197	3	13.554	860642	25.0
Benzene, 1-ethy...	13.103	4.7	ug/L	160496	3	13.554	860642	25.0
(DEL) Alkane: S...	13.164	1.9	ug/L	66483	3	13.554	860642	25.0
Benzene, 1,3-di...	13.719	3.3	ug/L	113465	3	13.554	860642	25.0
Benzene, 1-ethe...	13.749	12.3	ug/L	422507	3	13.554	860642	25.0
Benzene, 1-meth...	13.944	4.6	ug/L	159340	3	13.554	860642	25.0
Benzene, 2-ethy...	14.005	6.1	ug/L	209019	3	13.554	860642	25.0
Benzene, 4-ethy...	14.091	19.0	ug/L	653754	3	13.554	860642	25.0
Benzene, 1,3-di...	14.200	10.2	ug/L	349739	3	13.554	860642	25.0
Adamantane	14.255	5.7	ug/L	195049	3	13.554	860642	25.0
o-Cymene	14.328	9.0	ug/L	308869	3	13.554	860642	25.0
unknown-01	14.383	3.0	ug/L	104782	3	13.554	860642	25.0
Benzene, 1,2,4,...	14.414	14.5	ug/L	498184	3	13.554	860642	25.0
Benzene, 1,2,3,...	14.450	17.4	ug/L	597559	3	13.554	860642	25.0
Benzene, pentam...	14.493	4.3	ug/L	148082	3	13.554	860642	25.0
Benzene, (1-cyc...	14.639	4.6	ug/L	157962	3	13.554	860642	25.0
1H-Indene, 2,3-...	14.682	8.5	ug/L	291917	3	13.554	860642	25.0
2-Propenal, 3-(...	14.725	7.6	ug/L	260930	3	13.554	860642	25.0
Benzene, 2-ethy...	14.786	27.4	ug/L	942385	3	13.554	860642	25.0
Benzene, (1,1-d...	14.853	6.8	ug/L	232587	3	13.554	860642	25.0
Naphthalene, 1,...	14.950	8.0	ug/L	274918	3	13.554	860642	25.0
Benzene, 1-ethy...	15.060	16.6	ug/L	570847	3	13.554	860642	25.0
Azulene	15.359	66.2	ug/L	2279380	3	13.554	860642	25.0
Benzene, 1-ethy...	15.462	5.7	ug/L	195498	3	13.554	860642	25.0
Benzene, (1-met...	15.645	17.3	ug/L	596583	3	13.554	860642	25.0
Benzene, 1,3-di...	15.944	5.8	ug/L	199526	3	13.554	860642	25.0