LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

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: VW021444.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.989	11	14	26	rVB2	4642	8503	0.43%	0.040%
2	2.148	38	40	47	rVB3	469	828	0.04%	0.004%
3	2.349	64	73	80	rVB	29935	51941	2.63%	0.245%
4	2.495	90	97	113	rBV	74251	145426	7.37%	0.686%
5	2.812	141	149	154	rBV	2168	4412	0.22%	0.021%
6	2.885	154	161	169	rVV	16144	33863	1.72%	0.160%
7	4.013	335	346	356	rBV	36049	107436	5.44%	0.507%
8	4.123	356	364	381	rVV	36968	100893	5.11%	0.476%
9	4.385	396	407	419	rBB	6331	18679	0.95%	0.088%
10	4.909	483	493	505	rVB2	6141	19494	0.99%	0.092%
11	5.178	526	537	538	rBV2	1226	3081	0.16%	0.015%
12	5.787	627	637	649	rBV4	4879	16289	0.83%	0.077%
13	5.946	653	663	669	rBV4	1263	3528	0.18%	0.017%
14	6.897	808	819	830	rBV2	9788	29454	1.49%	0.139%
15	7.080	841	849	858	rBV	9816	26982	1.37%	0.127%
16	7.171	858	864	873	rVB3	4812	12483	0.63%	0.059%
17	7.647	932	942	957	rVB	59402	143038	7.25%	0.675%
18	7.921	982	987	990	rBV2	1190	2354	0.12%	0.011%
19	8.159	1020	1026	1031	rBB3	1820	3552	0.18%	0.017%
20	8.275	1035	1045	1062	rBV2	112958	345512	17.51%	1.630%
21	8.470	1072	1077	1086	rVB3	3324	8829	0.45%	0.042%
22	8.561	1086	1092	1101	rVB6	1972	5336	0.27%	0.025%
23	8.695	1108	1114	1123	rBV6	3487	8530	0.43%	0.040%
24	8.774	1123	1127	1130	rBV4	779	1272	0.06%	0.006%
25	8.842	1130	1138	1147	rVB	127105	251478	12.74%	1.187%
26	9.079	1167	1177	1183	rBB4	1977	4565	0.23%	0.022%
27	9.274	1201	1209	1215	rBV	78971	163124	8.27%	0.770%
28	9.335	1216	1219	1224	rVV2	7351	12503	0.63%	0.059%
29	9.409	1224	1231	1238	rVB	9265	18746	0.95%	0.088%
30	9.610	1258	1264	1268	rBV3	962	1765	0.09%	0.008%
31	9.665	1268	1273	1280	rVB3	1838	3639	0.18%	0.017%
32	9.756	1280	1288	1295	rBB2	5498	11563	0.59%	0.055%
33	9.890	1302	1310	1316	rBV2	6937	14140	0.72%	0.067%
34	9.957	1316	1321	1325	rBV3	4918	9306	0.47%	0.044%
35	10.036	1328	1334	1339	rVV	38934	65658	3.33%	0.310%
36	10.091	1339	1343	1355	rVB2	5823	13293	0.67%	0.063%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

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	10.207	1355	1362	1367	rBV	5772	11981	0.61%	0.057%
38	10.323	1373	1381	1387	rBV	178673	322025	16.32%	1.519%
39	10.384	1387	1391	1404	rVB	72967	134037	6.79%	0.632%
40	10.500	1404	1410	1416	rVB3	10014	19085	0.97%	0.090%
41	10.579	1416	1423	1433	rBV	26211	50784	2.57%	0.240%
42	10.664	1433	1437	1446	rVB5	4335	9827	0.50%	0.046%
43	10.756	1446	1452	1458	rBV4	2864	6306	0.32%	0.030%
44	10.829	1458	1464	1473	rVB4	6651	18203	0.92%	0.086%
45	10.927	1473	1480	1486	rBV3	44468	83529	4.23%	0.394%
46	11.030	1494	1497	1499	rBV2	3049	3228	0.16%	0.015%
47	11.067	1499	1503	1509	rVB	20876	31096	1.58%	0.147%
48	11.177	1517	1521	1525	rBV3	8932	14235	0.72%	0.067%
49	11.231	1526	1530	1534	rBV2	7960	12854	0.65%	0.061%
50	11.335	1543	1547	1551	rBV2	7826	11838	0.60%	0.056%
51	11.408	1554	1559	1570	rVB3	22806	61367	3.11%	0.290%
52	11.512	1570	1576	1581	rBV2	22101	38847	1.97%	0.183%
53	11.652	1586	1599	1606	rBV2	523243	1182125	59.90%	5.578%
54	11.731	1606	1612	1621	rVB	308228	504540	25.56%	2.381%
55	11.835	1621	1629	1639	rBV	524453	1032618	52.32%	4.872%
56	11.975	1648	1652	1655	rBV4	2116	3926	0.20%	0.019%
57	12.054	1659	1665	1671	rBV4	10119	20448	1.04%	0.096%
58	12.164	1671	1683	1690	rBV	299901	563323	28.54%	2.658%
59	12.249	1693	1697	1701	rVB	35959	52738	2.67%	0.249%
60	12.335	1701	1711	1716	rBV3	50724	142930	7.24%	0.674%
61	12.463	1726	1732	1736	rBV	118292	191142	9.68%	0.902%
62	12.560	1742	1748	1755	rVB3	231306	424831	21.53%	2.005%
63	12.646	1759	1762	1765	rVV	34966	41965	2.13%	0.198%
64	12.695	1765	1770	1775	rVB	73031	119055	6.03%	0.562%
65	12.798	1780	1787	1792	rVB	127877	233440	11.83%	1.101%
66	12.865	1792	1798	1801	rBV	311556	531598	26.93%	2.508%
67	12.896	1801	1803	1806	rVV	257473	366273	18.56%	1.728%
68	12.938	1806	1810	1816	rVV2	444463	775515	39.29%	3.659%
69	12.987	1816	1818	1824	rVB	40914	54658	2.77%	0.258%
70	13.103	1829	1837	1843	rBV	223940	437336	22.16%	2.064%
71	13.164	1843	1847	1854	rVB2	55513	85082	4.31%	0.401%
72	13.249	1855	1861	1866	rBV	1256891	1914805	97.02%	9.035%
73	13.438	1888	1892	1896	rVB2	86964	126895	6.43%	0.599%
74	13.493	1896	1901	1907	rVB3	90682	168251	8.52%	0.794%
75	13.579	1907	1915	1921	rBV3	673625	1443592	73.14%	6.811%
76	13.713	1933	1937	1938	rBV4	52192	60139	3.05%	0.284%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

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

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

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

77	13.755	1939	1944	1948	rBV2	686819	1157494	58.65%	5.462%
78	13.865	1956	1962	1968	rVB2	511340	998627	50.60%	4.712%
79	13.938	1968	1974	1980	rBV2	167671	300086	15.20%	1.416%
80	14.005	1981	1985	1987	rBV	105200	141080	7.15%	0.666%
81	14.091	1995	1999	2004	rVB	180438	267948	13.58%	1.264%
82	14.200	2012	2017	2022	rVB2	115473	186231	9.44%	0.879%
83	14.261	2022	2027	2033	rVB6	29352	68390	3.47%	0.323%
84	14.334	2033	2039	2043	rBV4	84634	169782	8.60%	0.801%
85	14.383	2044	2047	2049	rVV3	74322	111425	5.65%	0.526%
86	14.414	2049	2052	2055	rVV	150357	229980	11.65%	1.085%
87	14.456	2055	2059	2062	rVV	147766	229411	11.62%	1.082%
88	14.493	2062	2065	2069	rVV4	84566	135124	6.85%	0.638%
89	14.536	2069	2072	2079	rVB4	50075	88409	4.48%	0.417%
90	14.639	2085	2089	2092	rVB	37042	52855	2.68%	0.249%
91	14.688	2092	2097	2099	rBV3	57060	100402	5.09%	0.474%
92	14.719	2099	2102	2108	rVB2	151875	222359	11.27%	1.049%
93	14.786	2108	2113	2120	rBV3	140476	360540	18.27%	1.701%
94	14.956	2137	2141	2145	rBV2	35622	57379	2.91%	0.271%
95	15.060	2154	2158	2165	rBV3	60942	125608	6.36%	0.593%
96	15.359	2196	2207	2214	rBV	1079818	1973654	100.00%	9.313%
97	15.548	2234	2238	2247	rVB2	105373	186391	9.44%	0.879%
98	15.651	2248	2255	2262	rBV3	48373	108232	5.48%	0.511%
99	16.438	2377	2384	2389	rBV	281489	605606	30.68%	2.858%
100	16.633	2411	2416	2425	rVB	146934	338483	17.15%	1.597%

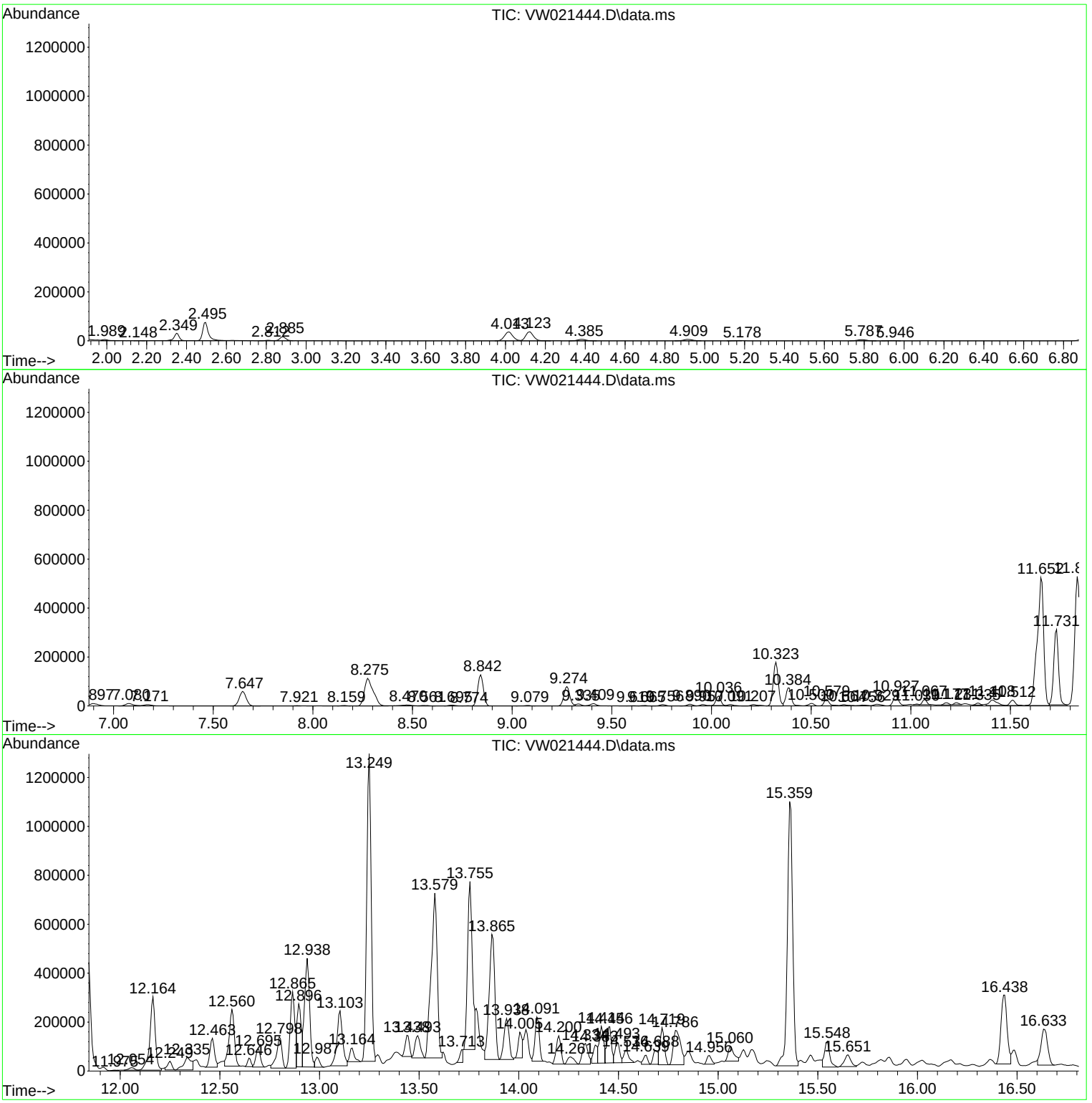
Sum of corrected areas: 21193458

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

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 : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

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

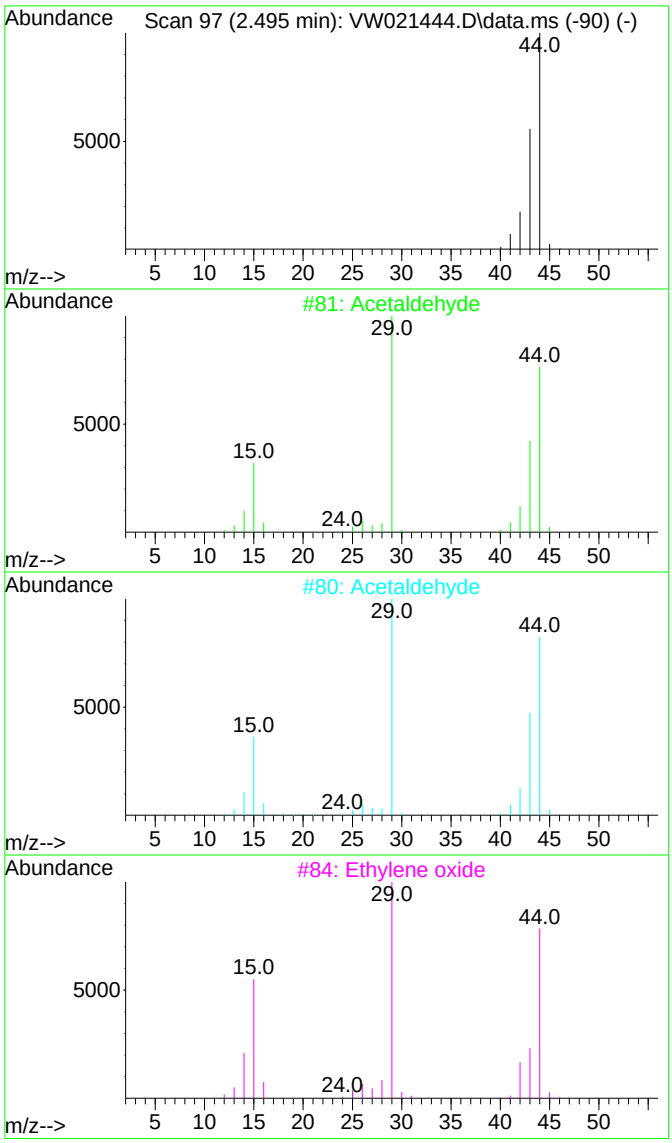
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

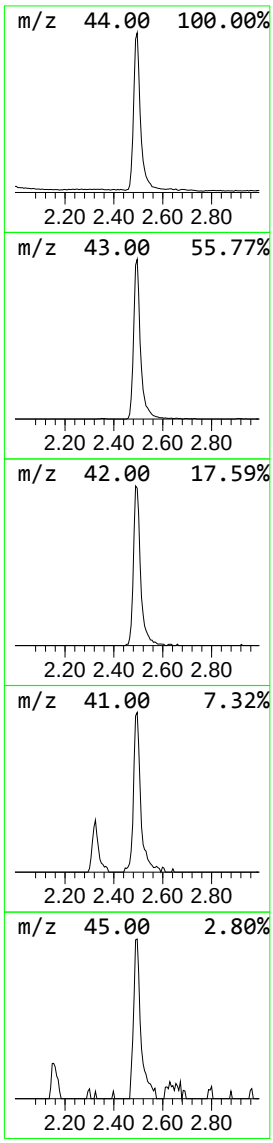
****

Peak Number 1 Acetaldehyde Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.495	14.46 ug/L	145426	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	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 : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

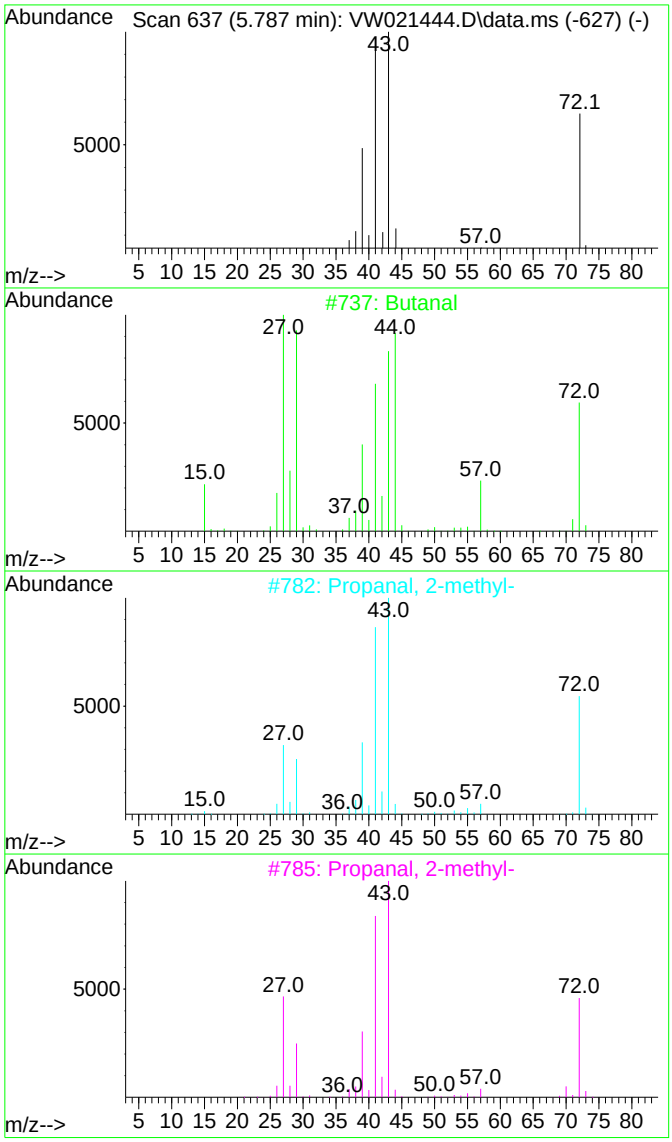
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

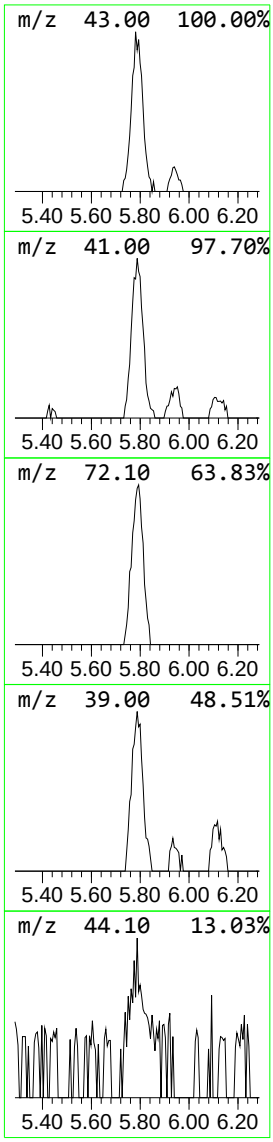
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Propanal, 2-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.787	1.62 ug/L	16289	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	72
2	Propanal, 2-methyl-	72	C4H8O	000078-84-2	58
3	Propanal, 2-methyl-	72	C4H8O	000078-84-2	58
4	Propanal, 2-methyl-	72	C4H8O	000078-84-2	50
5	2-Propen-1-ol, 2-methyl-, acetate	114	C6H10O2	000820-71-3	39





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

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

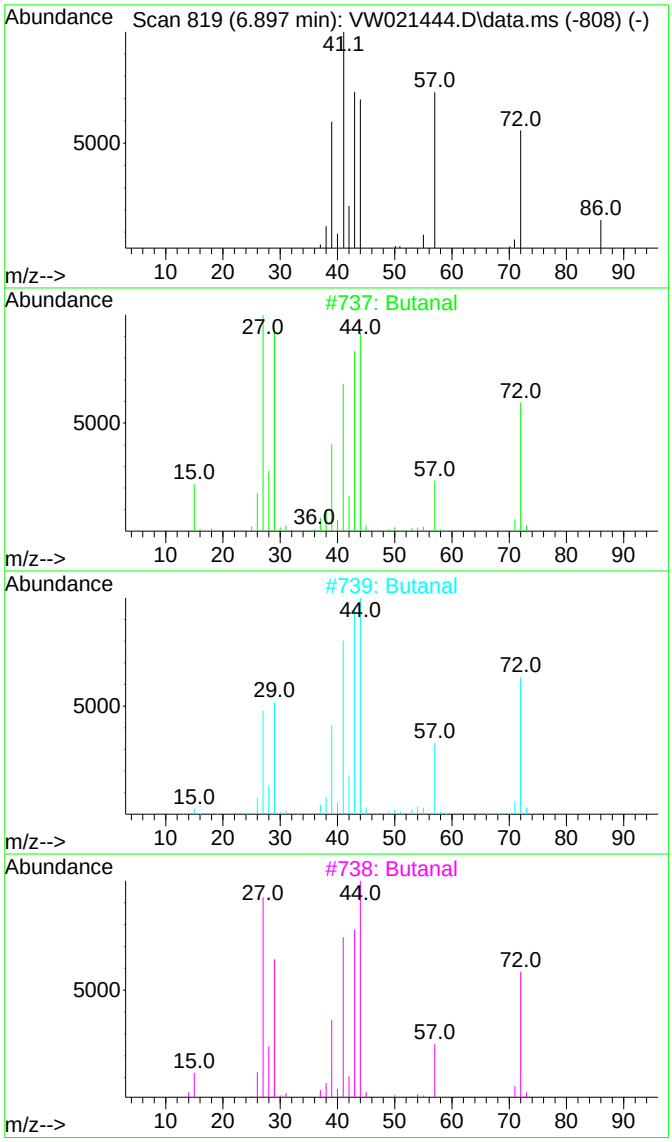
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

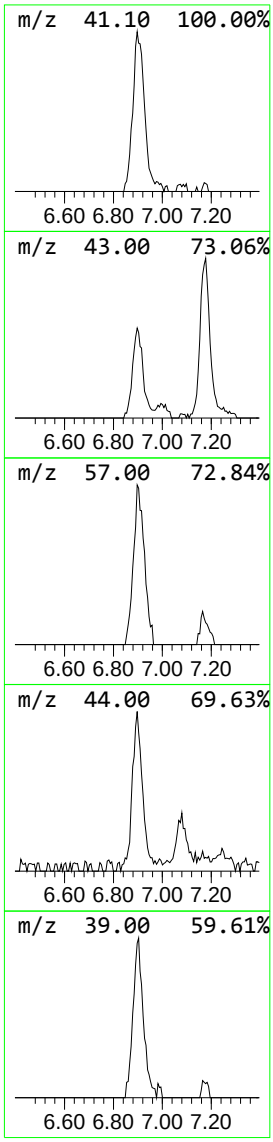
****

Peak Number 4 Butanal Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.897	2.93 ug/L	29454	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	49
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	(Z)-1,3-Butadien-1-ol	70	C4H6O	070415-58-6	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

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

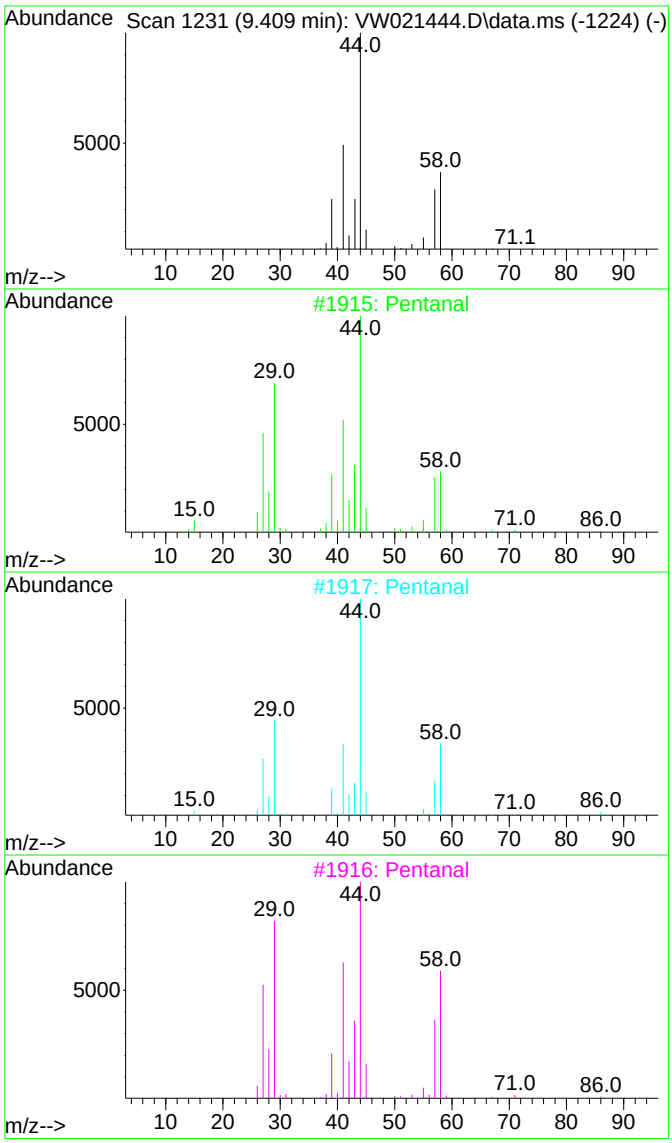
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

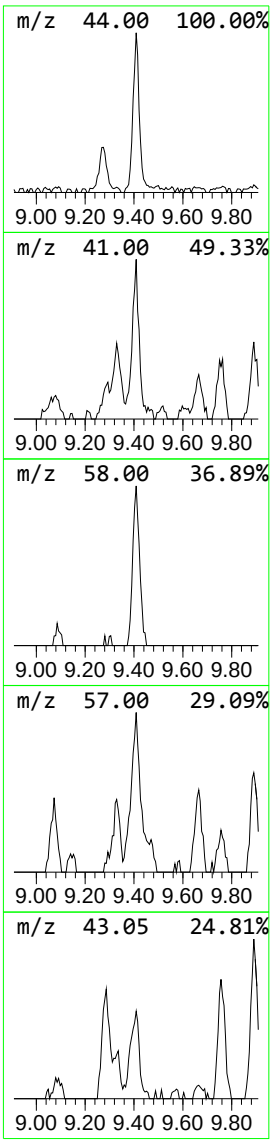
****

Peak Number 5 Pentanal Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.409	1.86 ug/L	18746	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	64
2	Pentanal	86	C5H10O	000110-62-3	9
3	Pentanal	86	C5H10O	000110-62-3	9
4	Cyclopropyl carbinol	72	C4H8O	002516-33-8	9
5	Cyclopropyl carbinol	72	C4H8O	002516-33-8	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

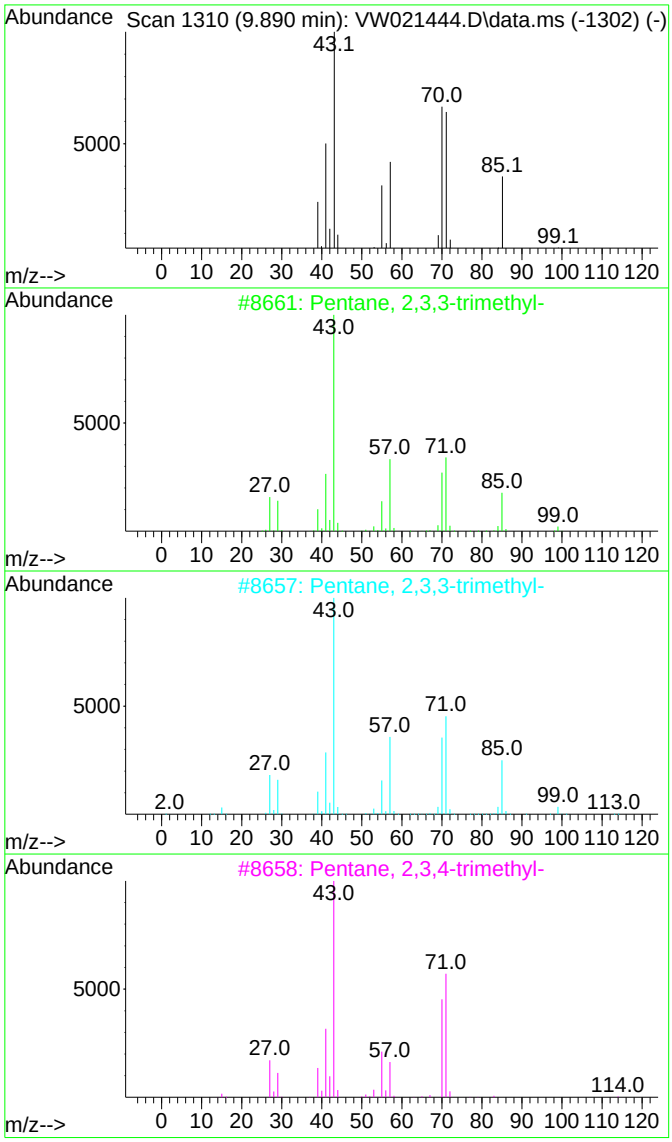
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

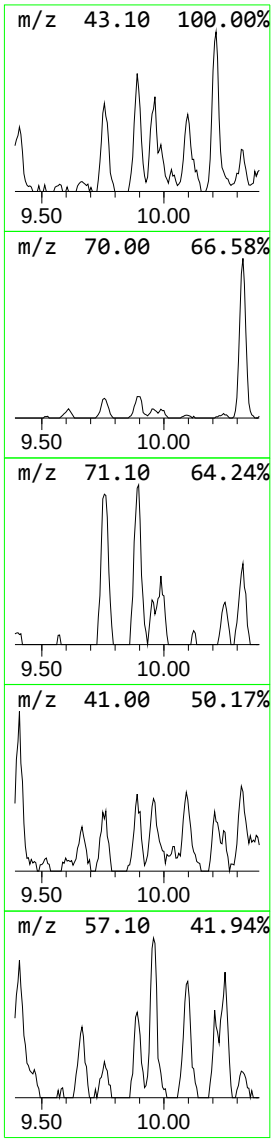
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.890	1.41 ug/L	14140	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	56
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	53
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	50
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

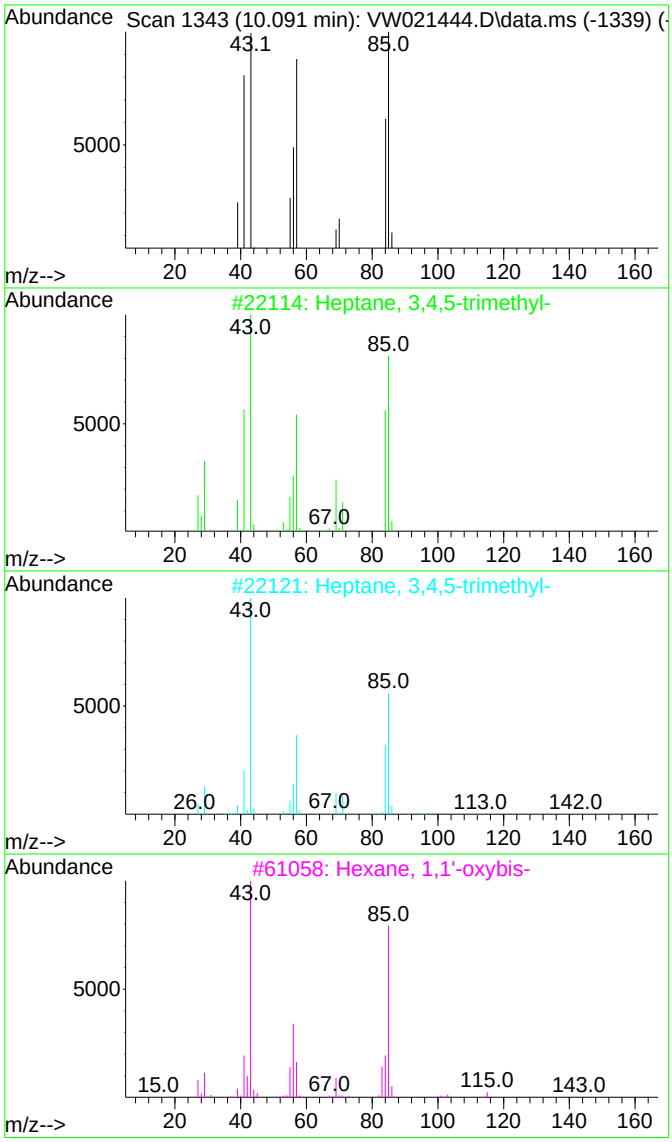
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

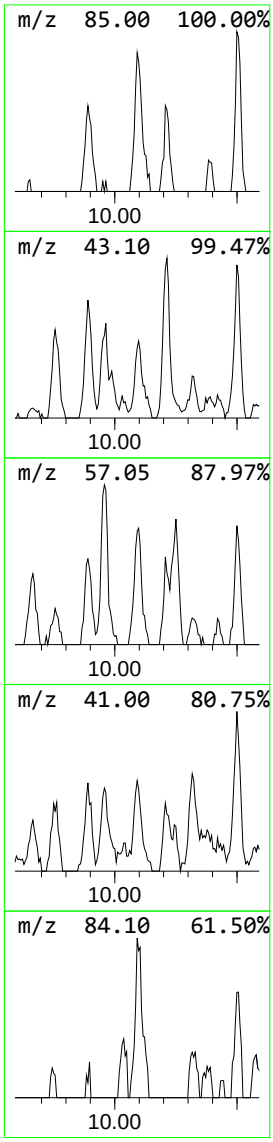
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.091	1.32 ug/L	13293	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	78
2	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64
3	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	59
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	56
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

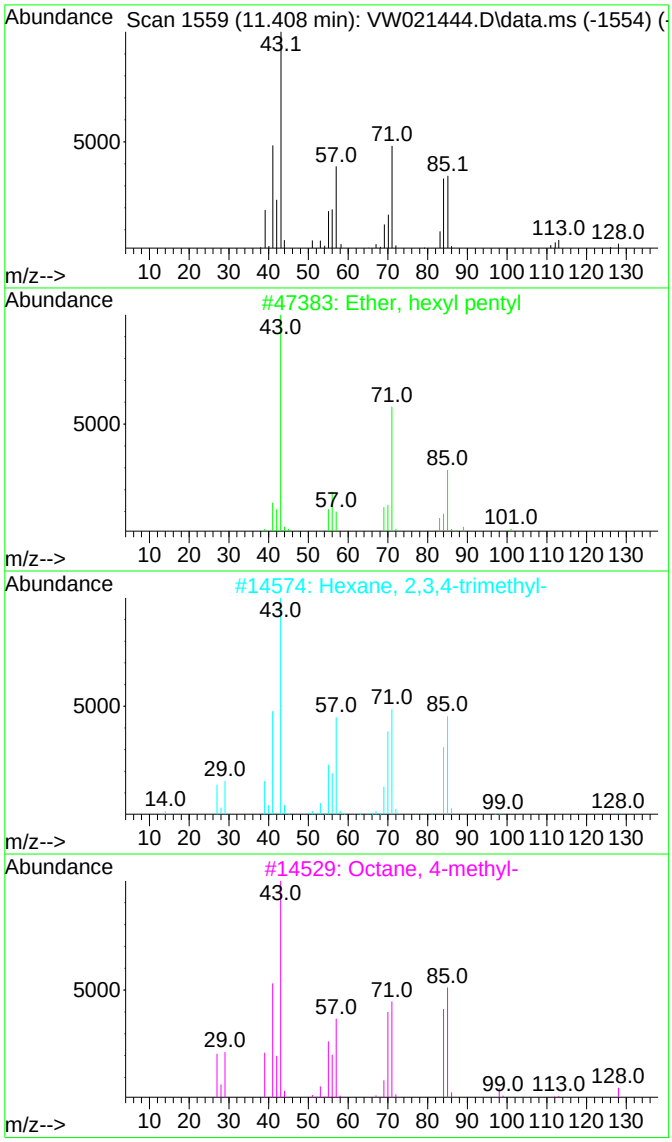
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

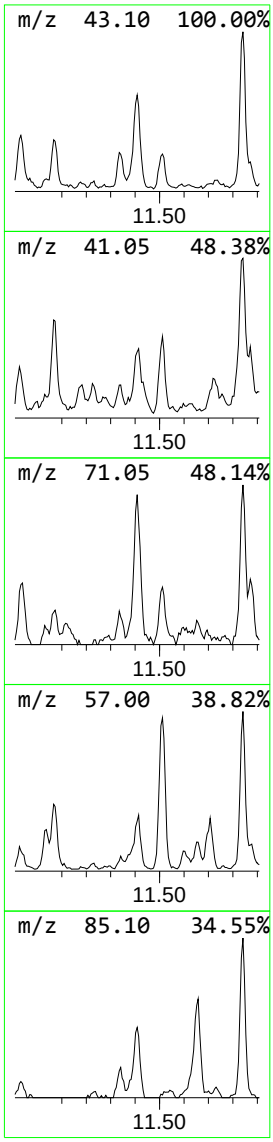
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Ether, hexyl pentyl Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.408	1.30 ug/L	61367	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ether, hexyl pentyl	172	C11H24O	032357-83-8	59
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	52
3	Octane, 4-methyl-	128	C9H20	002216-34-4	49
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	43
5	Octane, 2-methyl-	128	C9H20	003221-61-2	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

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

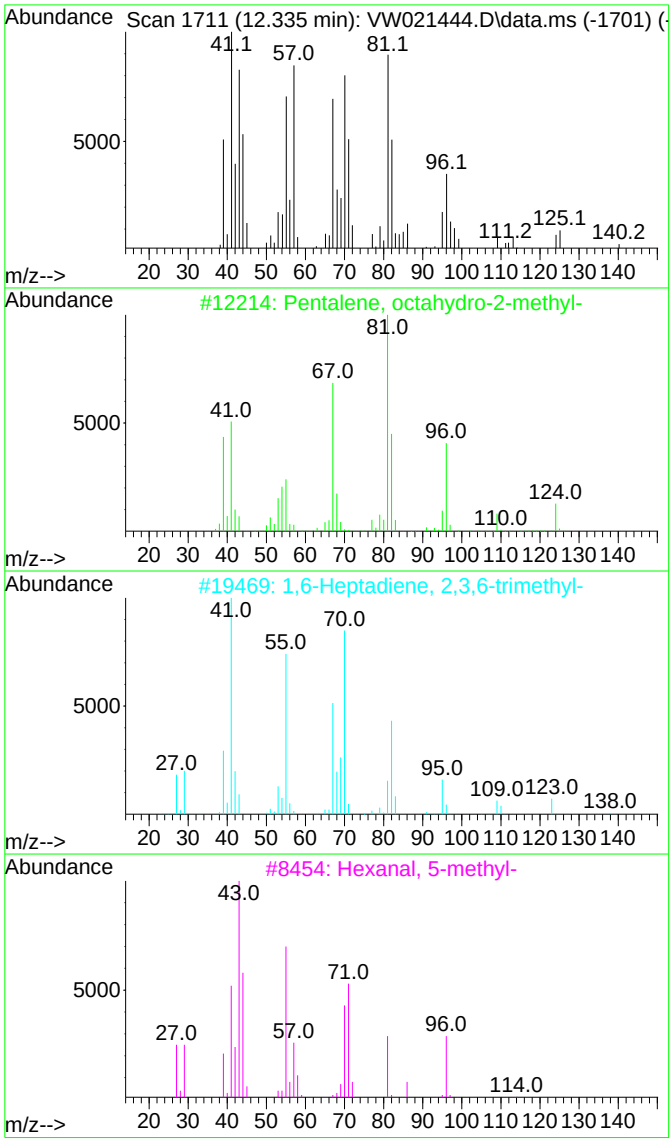
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

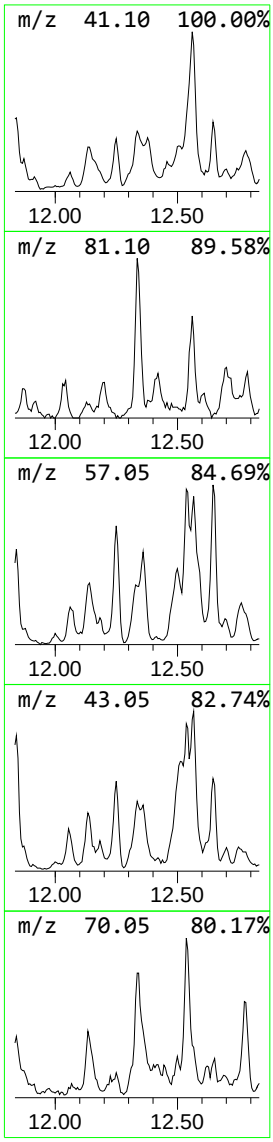
****

Peak Number 10 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.335	3.02 ug/L	142930	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	42
2	1,6-Heptadiene, 2,3,6-trimethyl-	138	C10H18	074421-35-5	35
3	Hexanal, 5-methyl-	114	C7H14O	001860-39-5	30
4	Heptanal	114	C7H14O	000111-71-7	27
5	Cyclohexane, methylene-	96	C7H12	001192-37-6	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

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

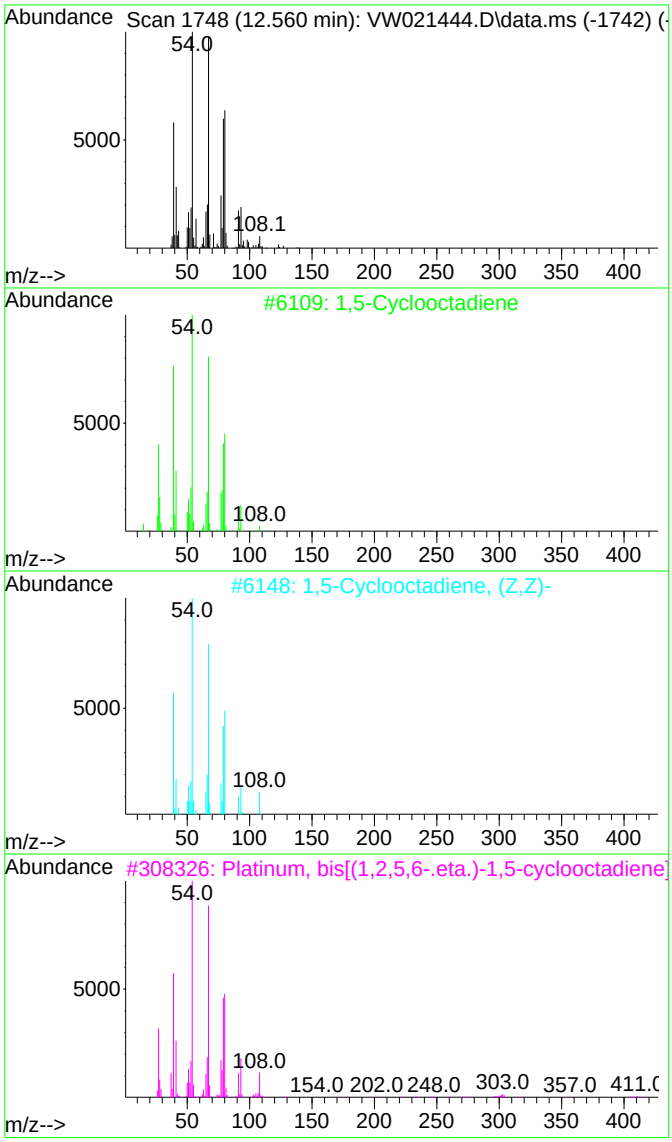
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

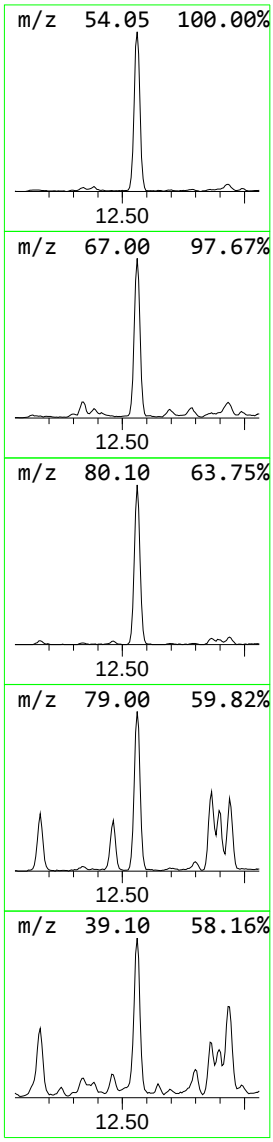
****

Peak Number 11 1,5-Cyclooctadiene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.560	8.98 ug/L	424831	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5-Cyclooctadiene	108	C8H12	000111-78-4	94
2	1,5-Cyclooctadiene, (Z,Z)-	108	C8H12	001552-12-1	90
3	Platinum, bis[(1,2,5,6-.eta.)-1,...	411	C16H24Pt	012130-66-4	90
4	1,4-Cyclooctadiene, (Z,Z)-	108	C8H12	016327-22-3	80
5	1,5-Cyclooctadiene	108	C8H12	000111-78-4	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

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

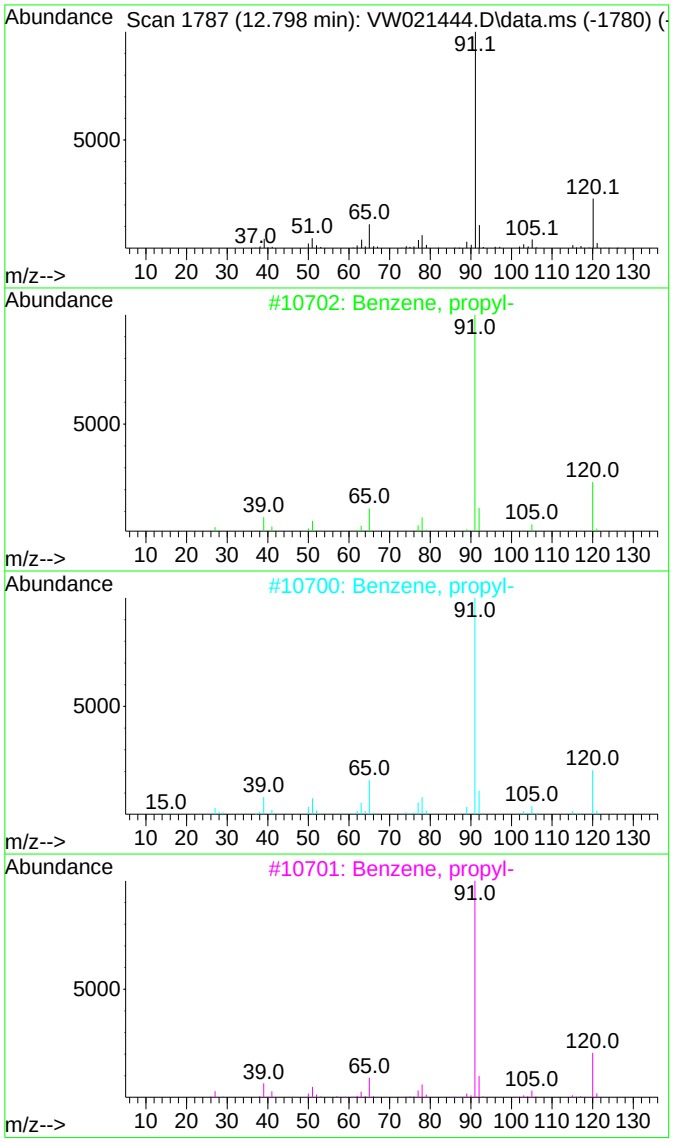
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

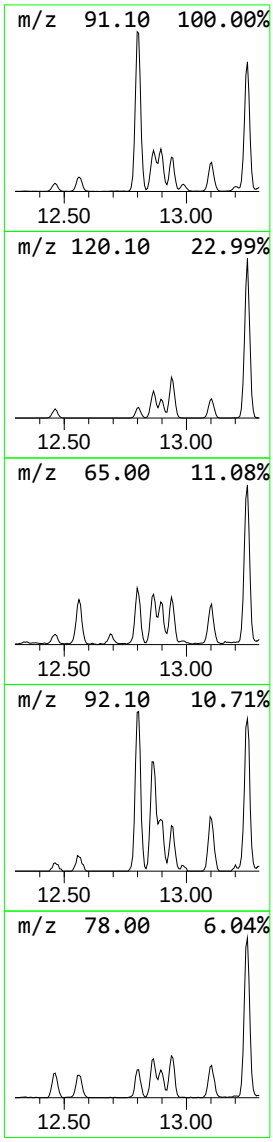
****

Peak Number 12 Benzene, propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.798	4.04 ug/L	233440	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	94
2	Benzene, propyl-	120	C9H12	000103-65-1	91
3	Benzene, propyl-	120	C9H12	000103-65-1	90
4	Benzene, propyl-	120	C9H12	000103-65-1	87
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

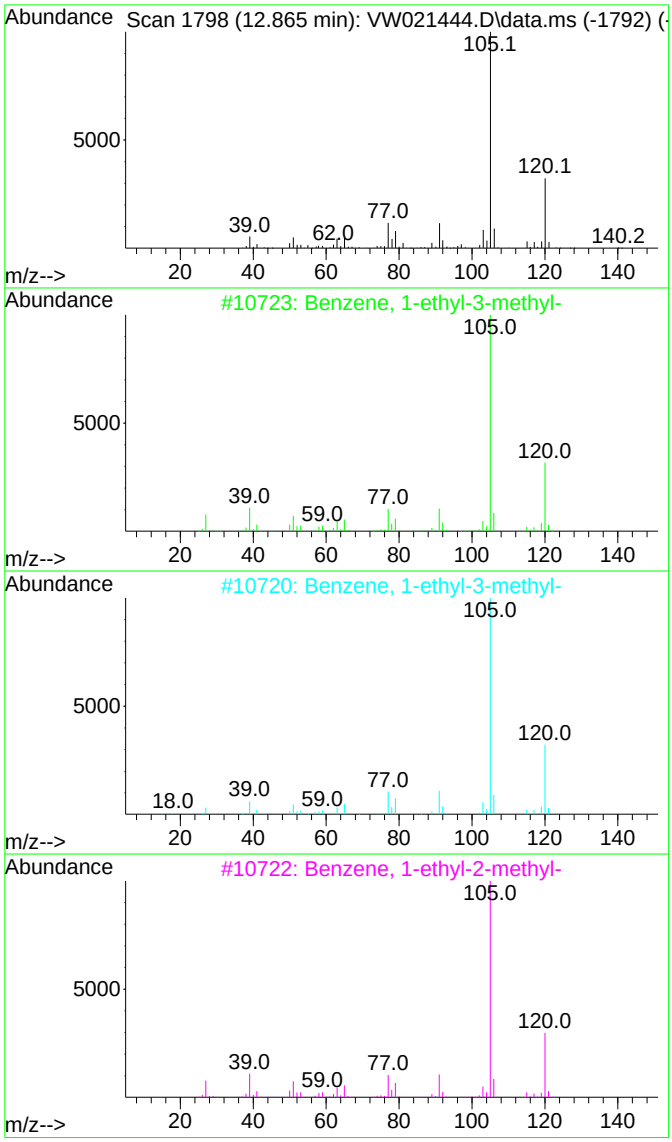
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

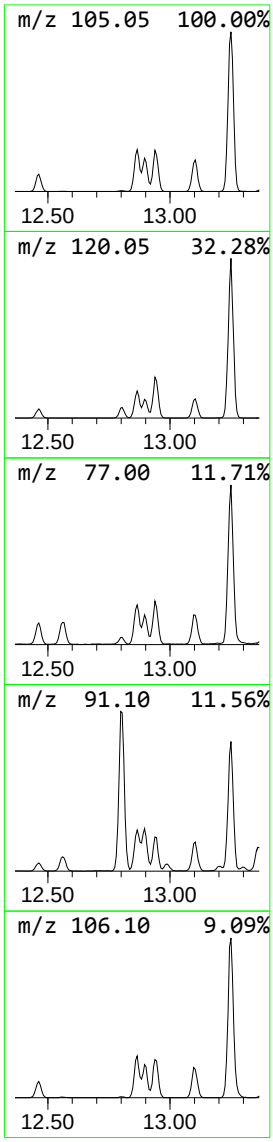
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1-ethyl-3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	9.21 ug/L	531598	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	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

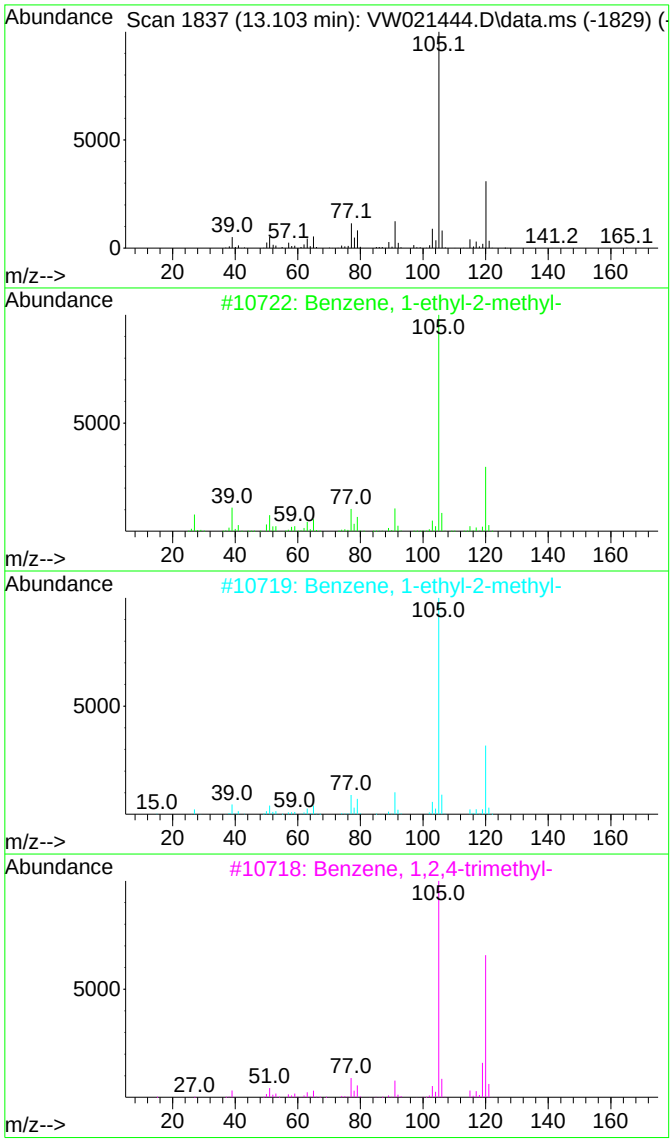
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

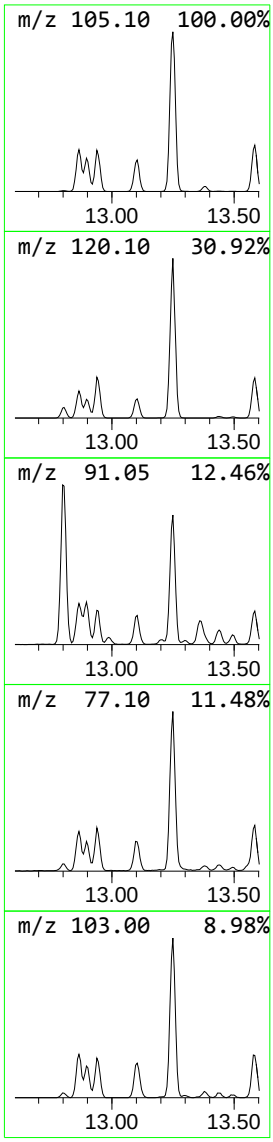
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	7.57 ug/L	437336	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-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

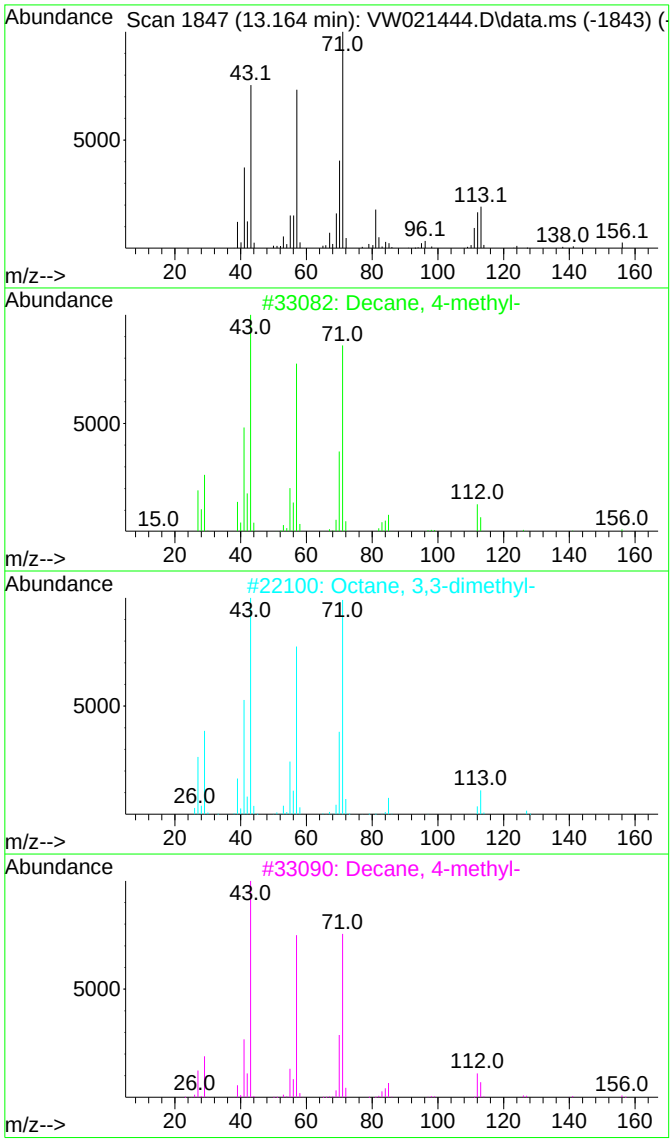
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

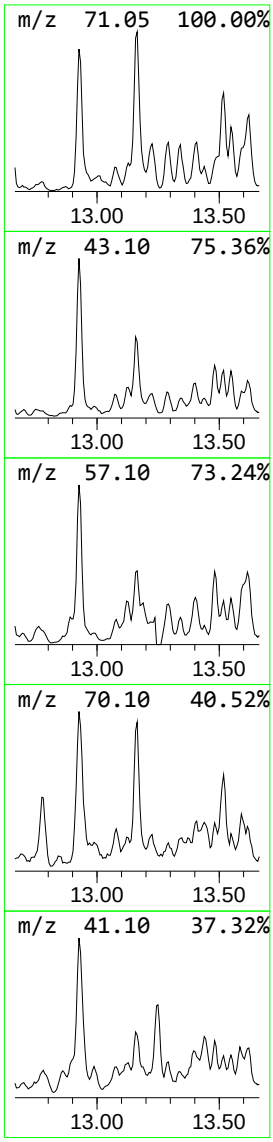
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	1.47 ug/L	85082	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	64
2	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
3	Decane, 4-methyl-	156	C11H24	002847-72-5	64
4	Decane, 4-methyl-	156	C11H24	002847-72-5	64
5	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

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

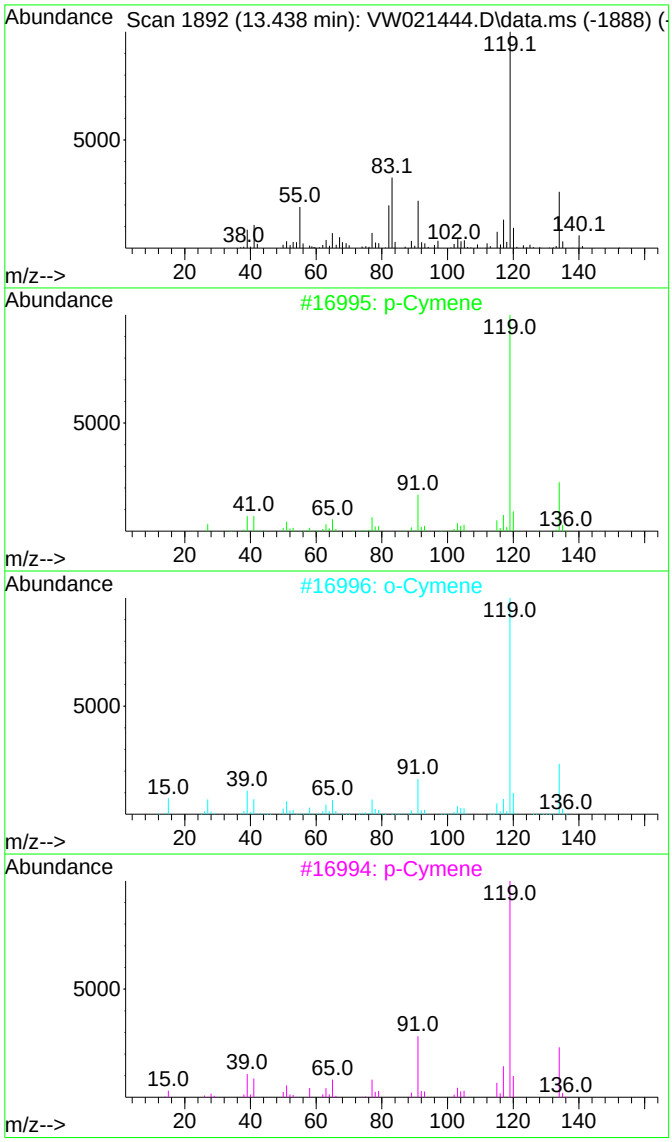
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

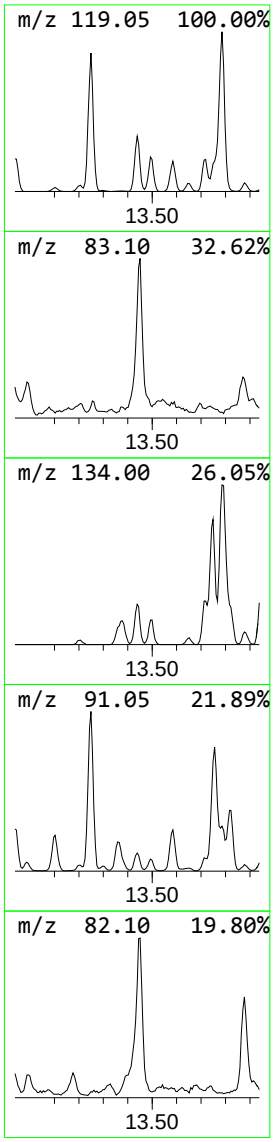
****

Peak Number 16 p-Cymene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.438	2.20 ug/L	126895	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	o-Cymene	134	C10H14	000527-84-4	93
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

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

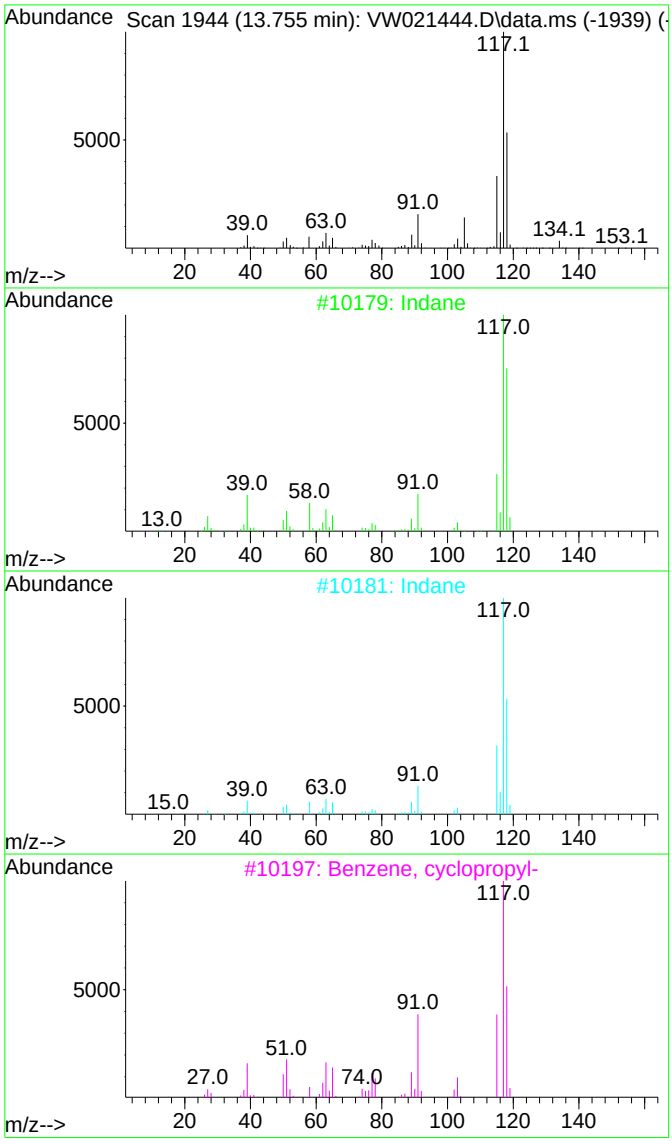
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

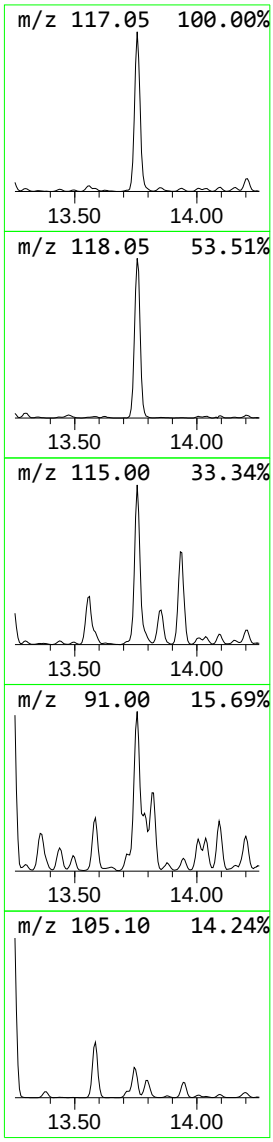
****

Peak Number 17 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.755	20.05 ug/L	1157490	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	81
2	Indane	118	C9H10	000496-11-7	81
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
4	Indane	118	C9H10	000496-11-7	74
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

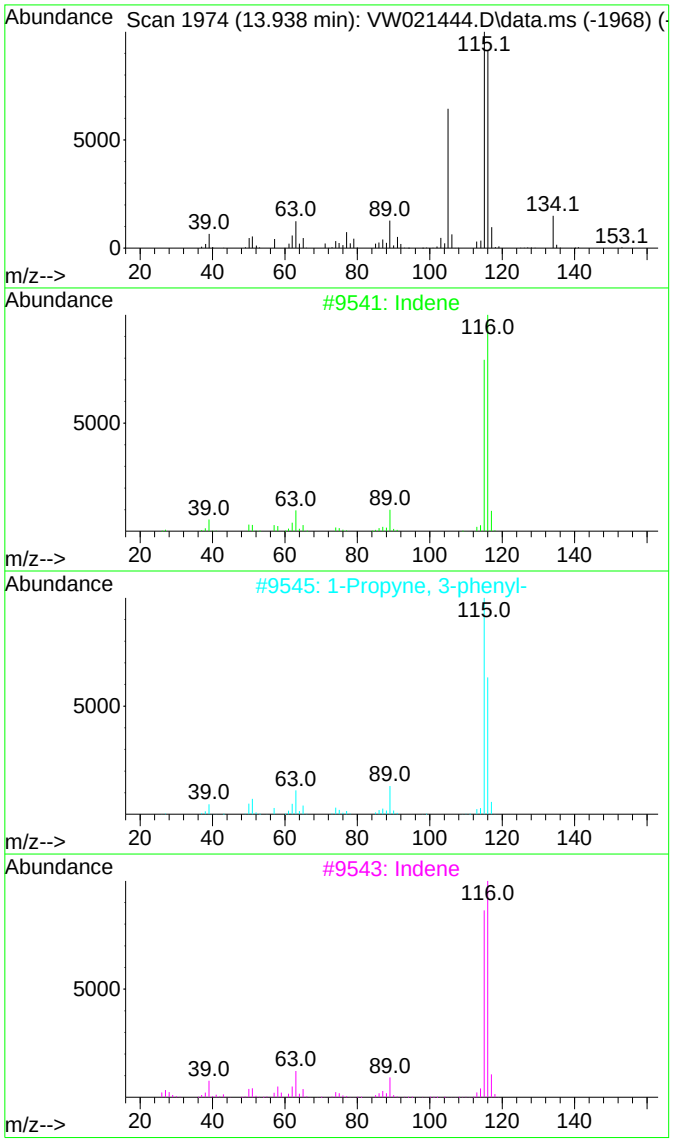
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

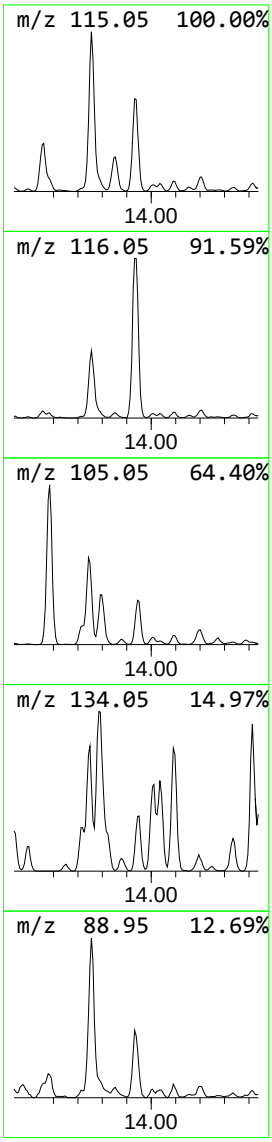
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Indene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.938	5.20 ug/L	300086	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
3	Indene	116	C9H8	000095-13-6	94
4	Indene	116	C9H8	000095-13-6	93
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

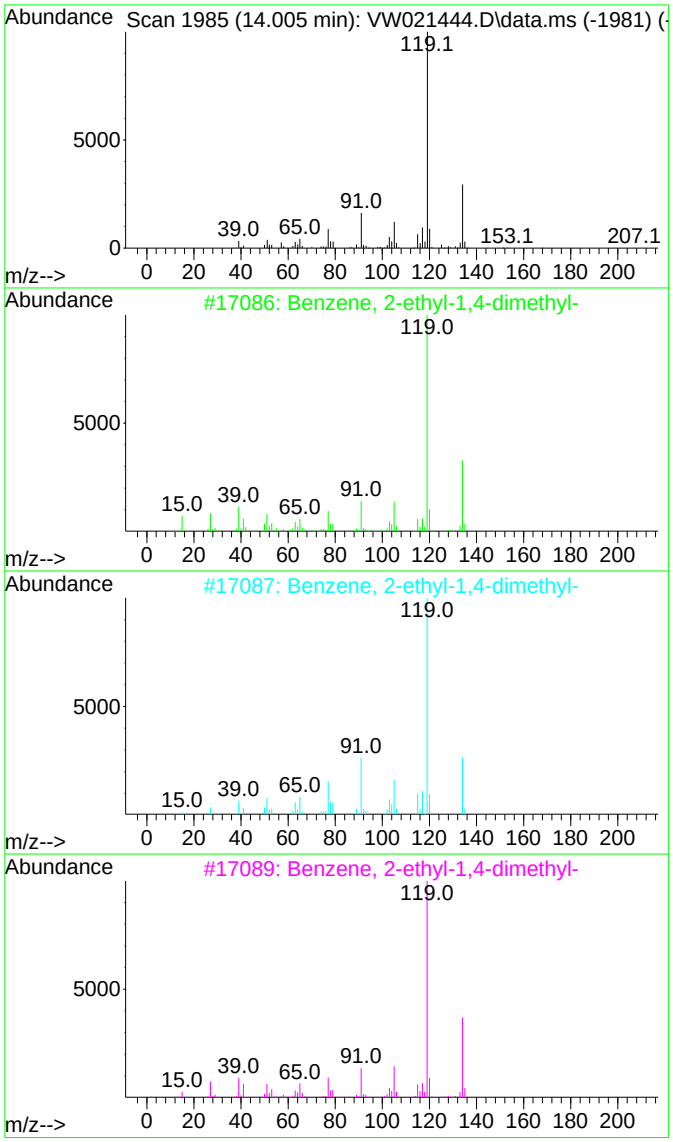
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

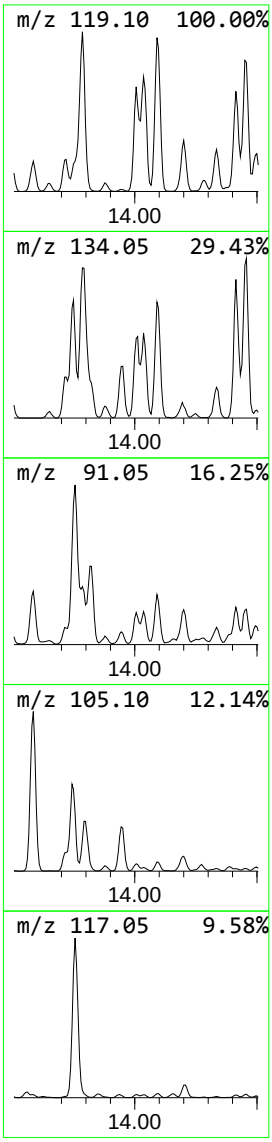
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.005	2.44 ug/L	141080	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	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\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

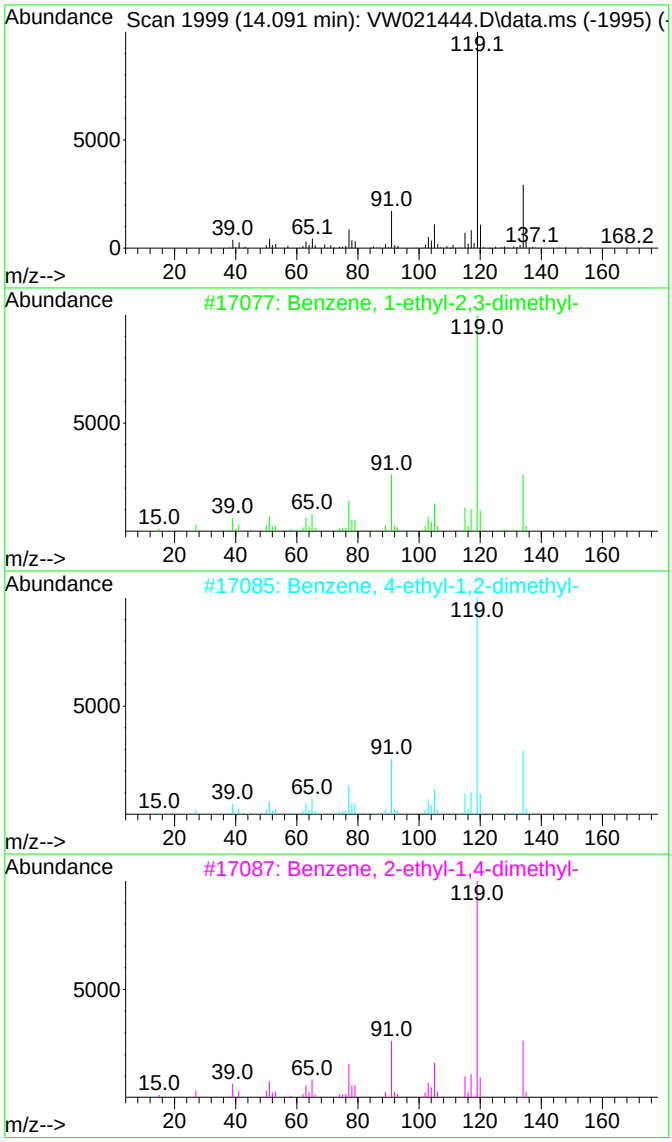
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

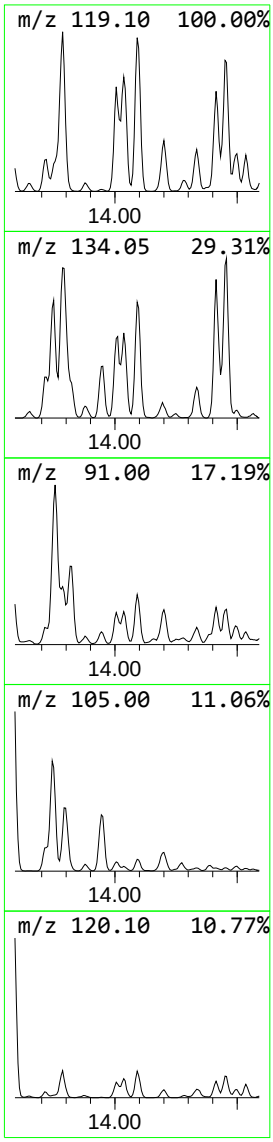
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.091	4.64 ug/L	267948	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	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 : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

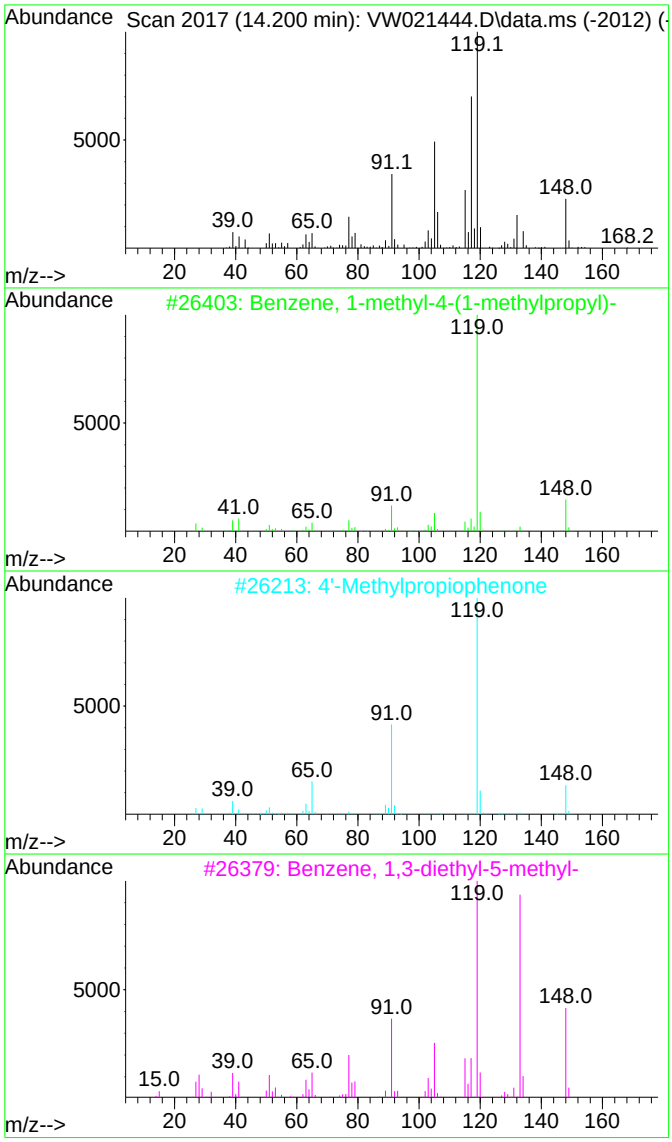
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

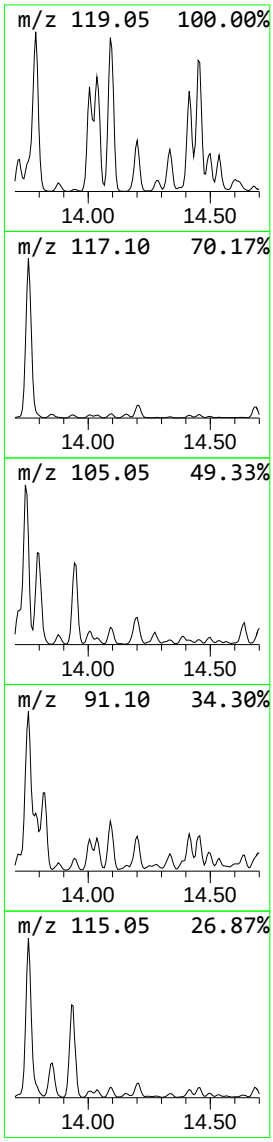
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Benzene, 1-methyl-4-(1-meth... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.200	3.23 ug/L	186231	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	53
2	4'-Methylpropiophenone	148	C10H12O	005337-93-9	49
3	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	46
4	o-Cymene	134	C10H14	000527-84-4	45
5	p-Cymene	134	C10H14	000099-87-6	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

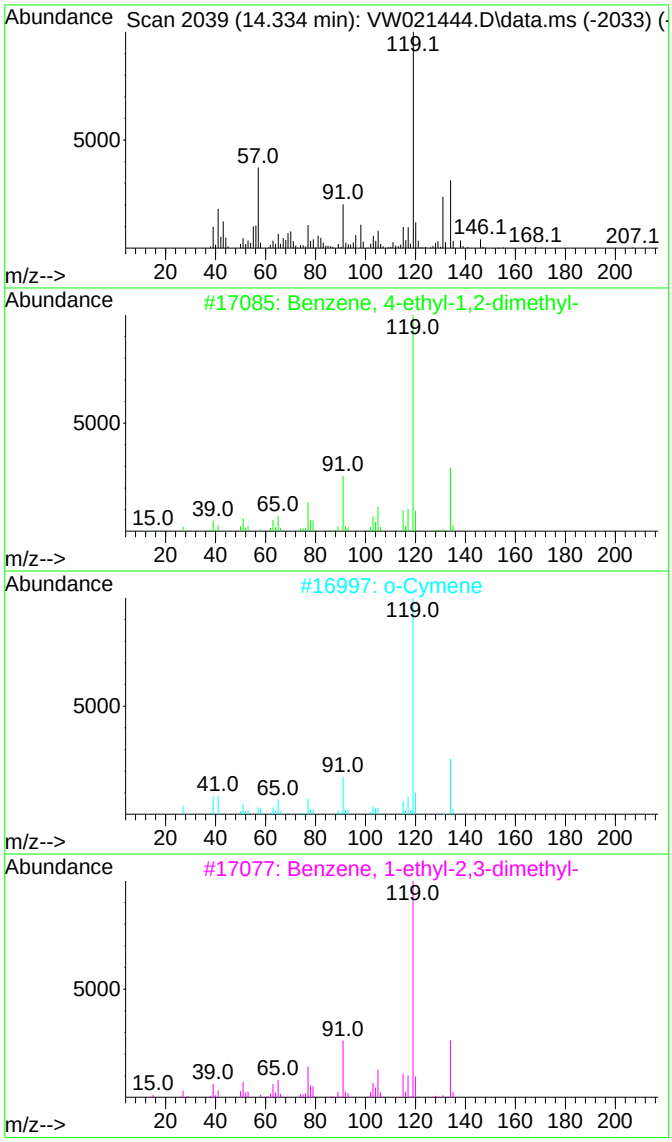
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

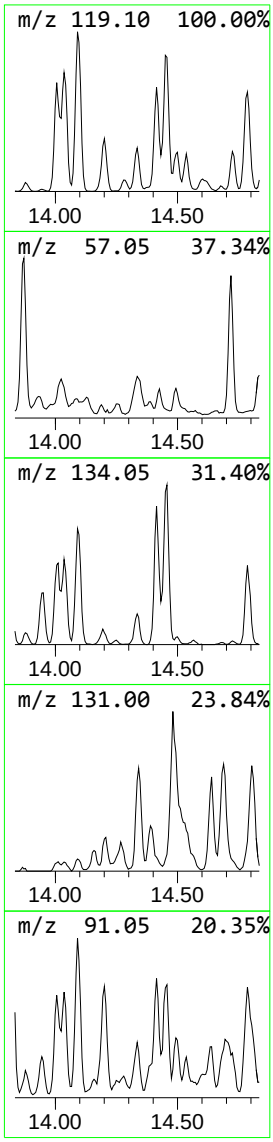
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.335	2.94 ug/L	169782	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	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
4	o-Cymene	134	C10H14	000527-84-4	93
5	p-Cymene	134	C10H14	000099-87-6	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

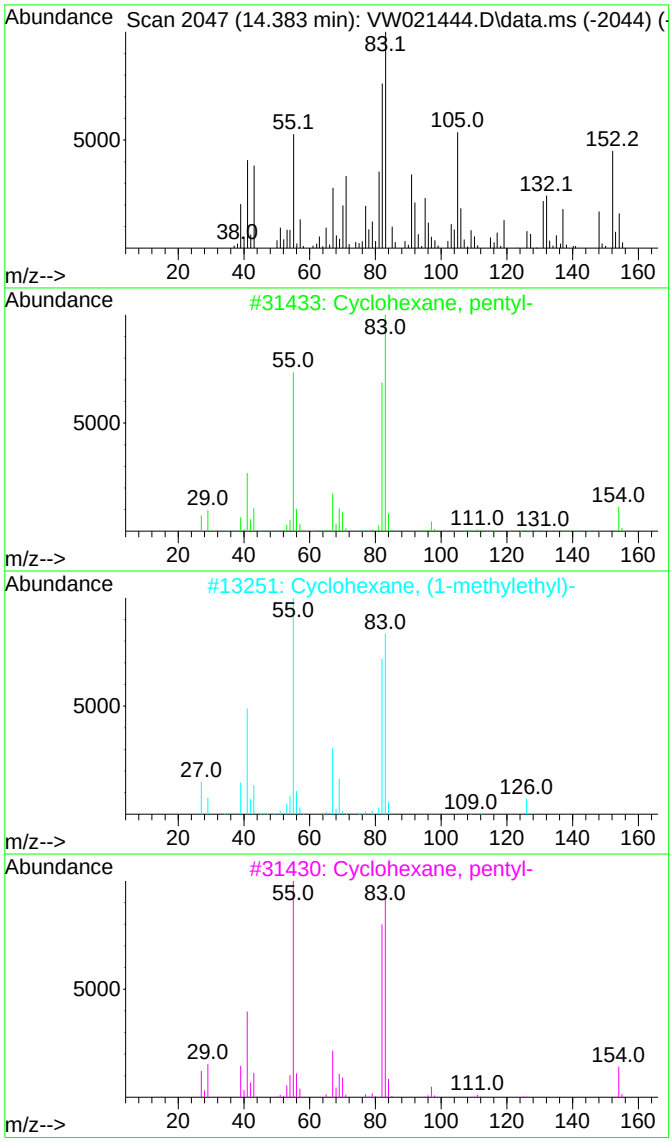
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

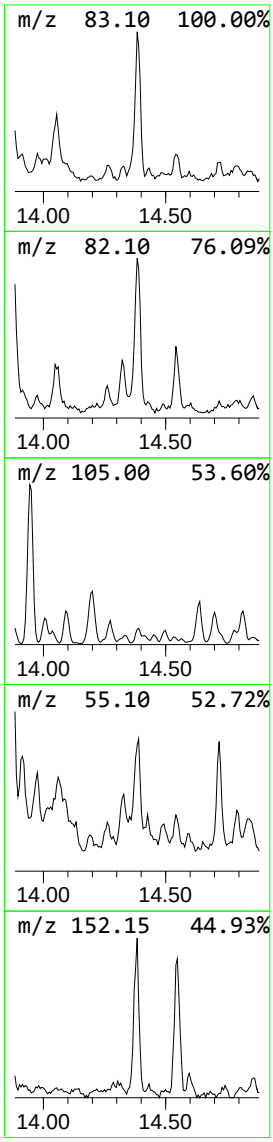
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Cyclic14.383 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	1.93 ug/L	111425	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	43
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

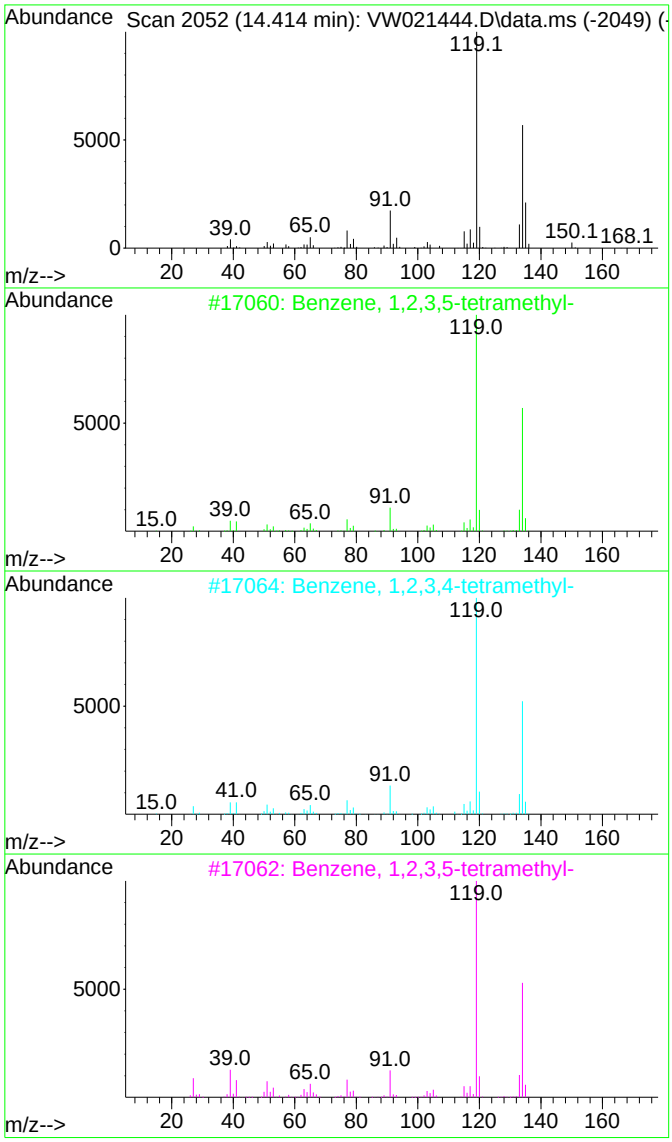
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

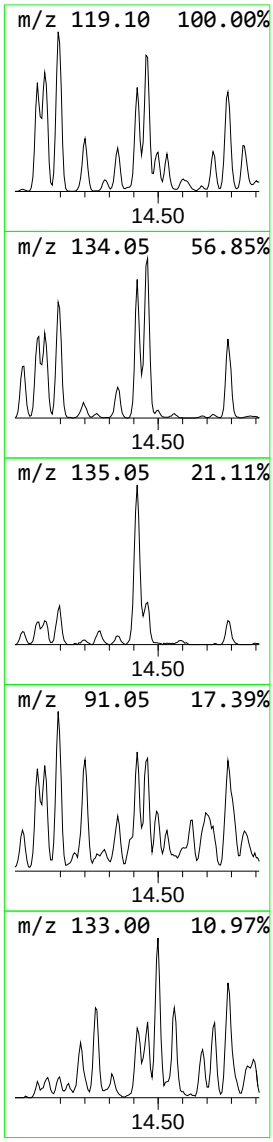
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.414	3.98 ug/L	229980	1,4-Dichlorobenzene-d4	13.560

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

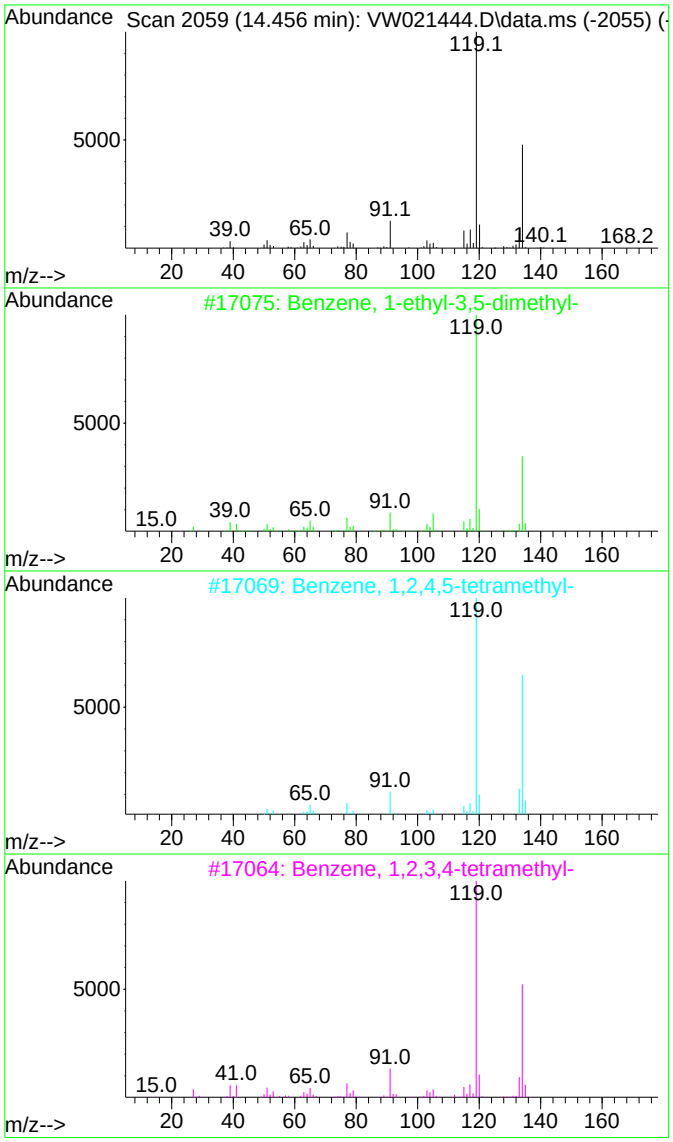
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

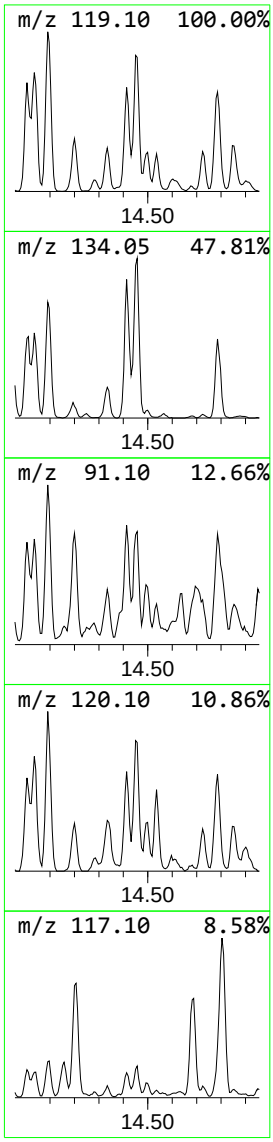
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.456	3.97 ug/L	229411	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	91
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4	p-Cymene	134	C10H14	000099-87-6	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

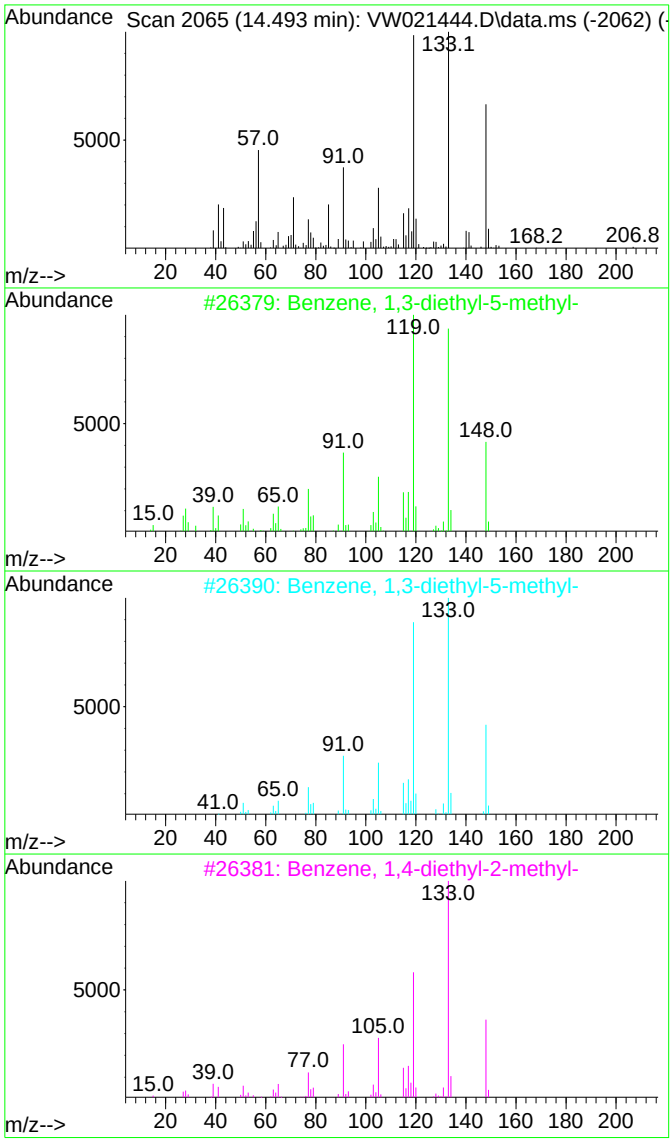
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

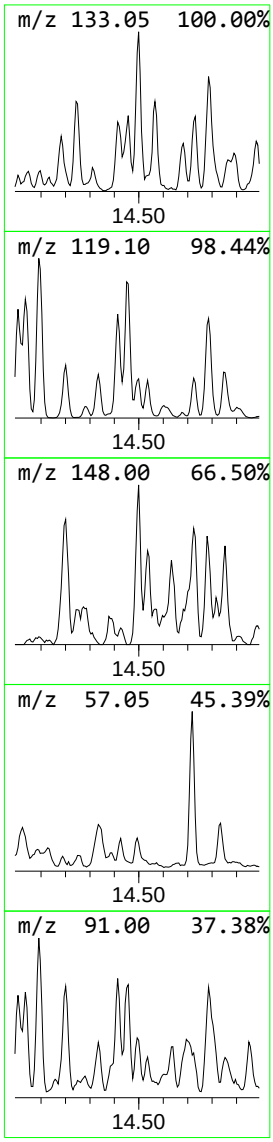
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.493	2.34 ug/L	135124	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	91
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	91
3	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	50
4	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	50
5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

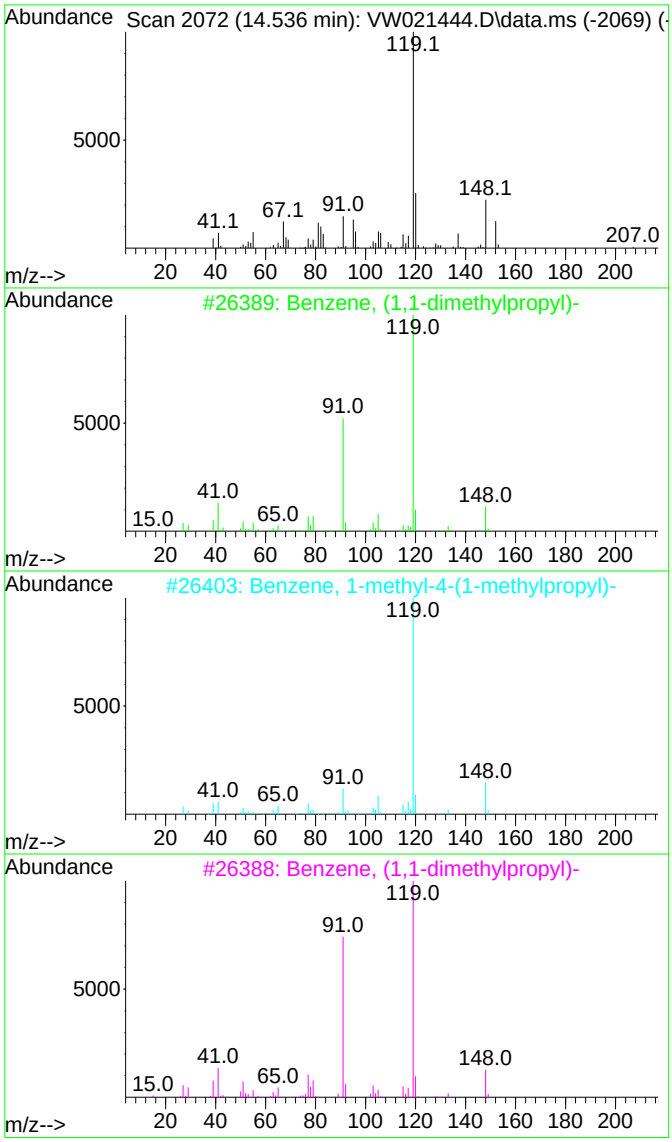
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

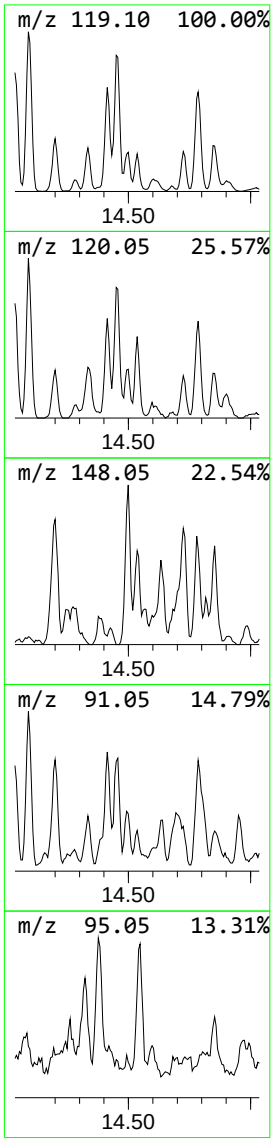
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Benzene, (1,1-dimethylpropyl)- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.536	1.53 ug/L	88409	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	58
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	53
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	53
4	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	53
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

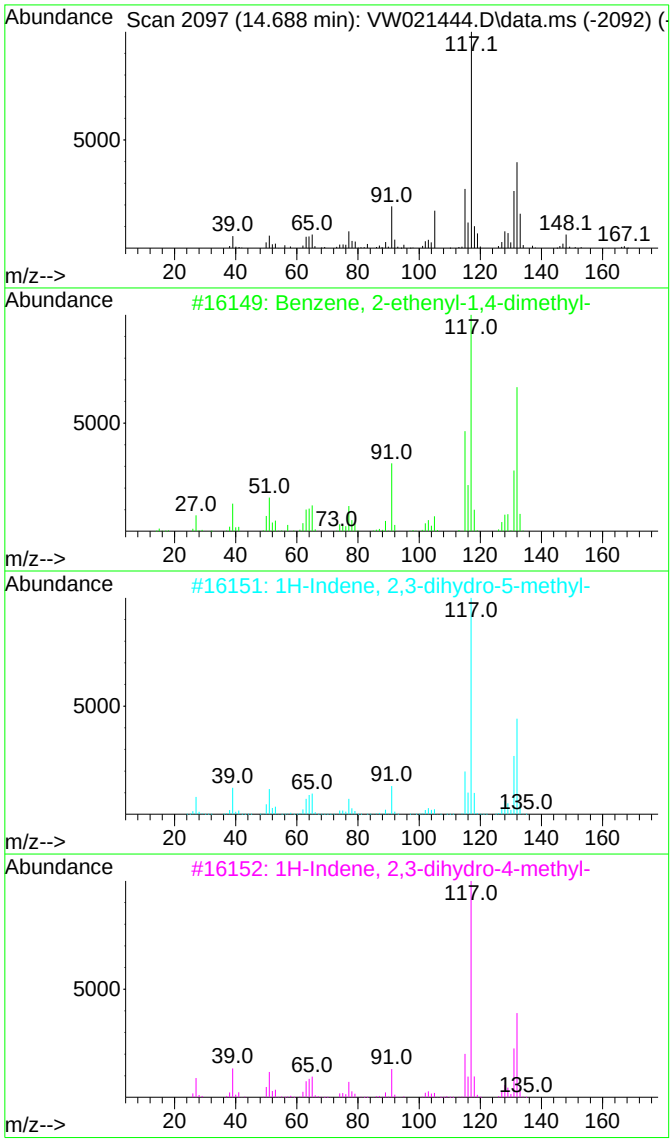
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

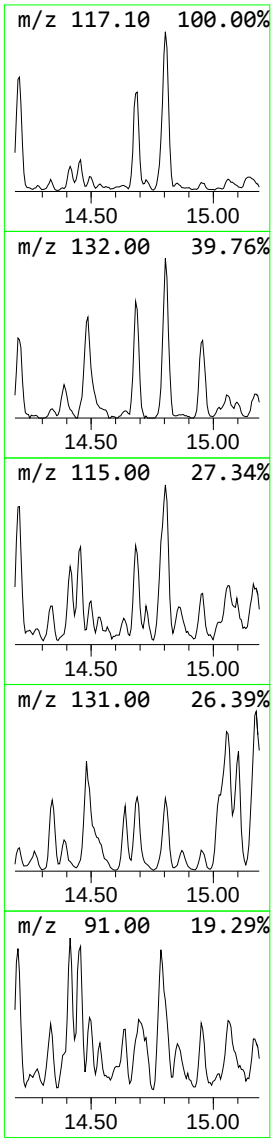
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.688	1.74 ug/L	100402	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	91
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	83
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

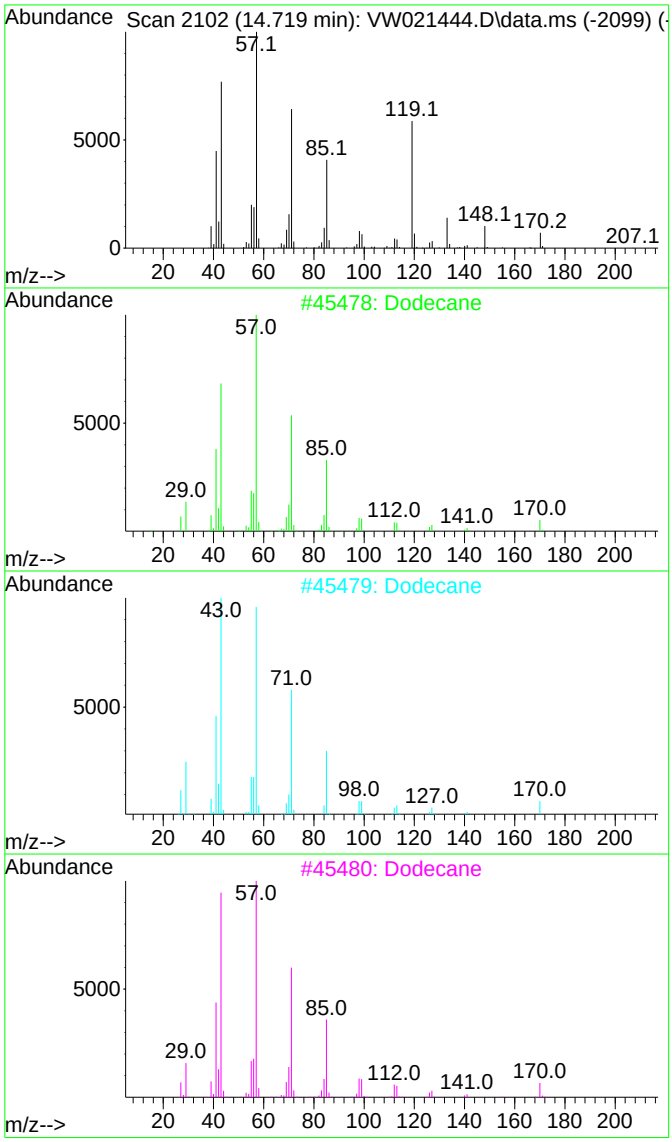
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

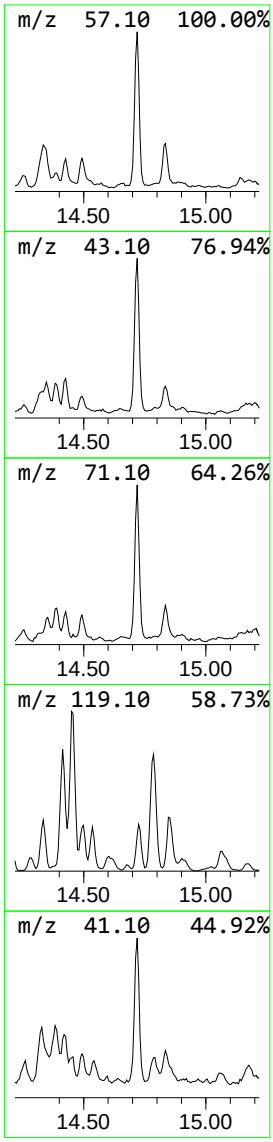
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.719	3.85 ug/L	222359	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	96
2	Dodecane	170	C12H26	000112-40-3	89
3	Dodecane	170	C12H26	000112-40-3	87
4	Dodecane	170	C12H26	000112-40-3	78
5	Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

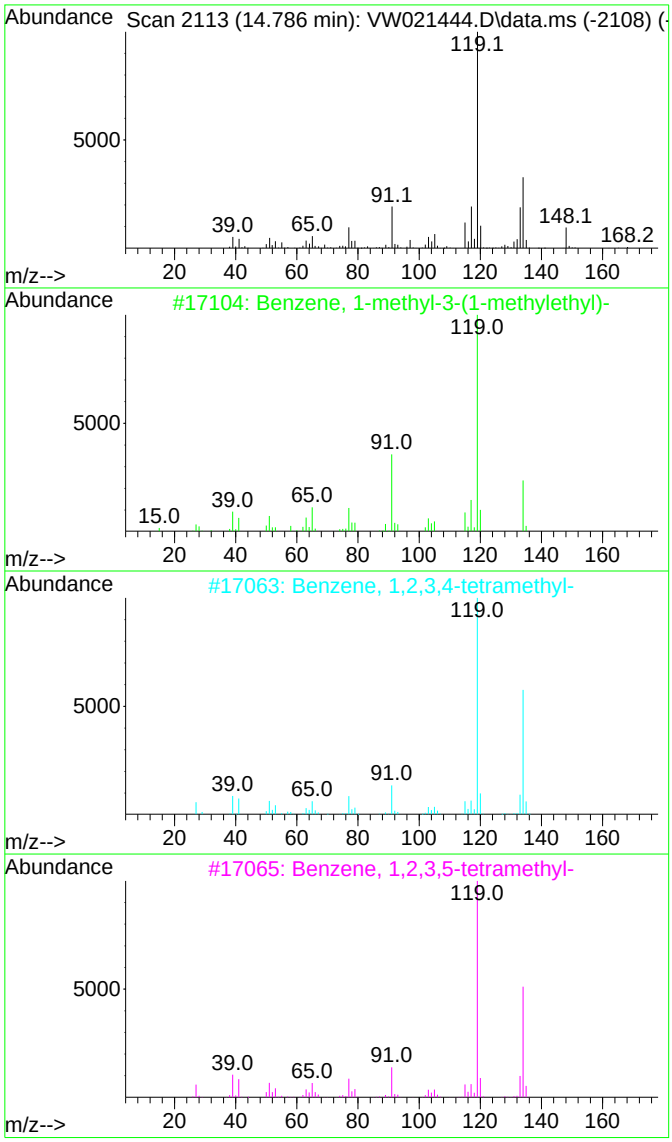
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

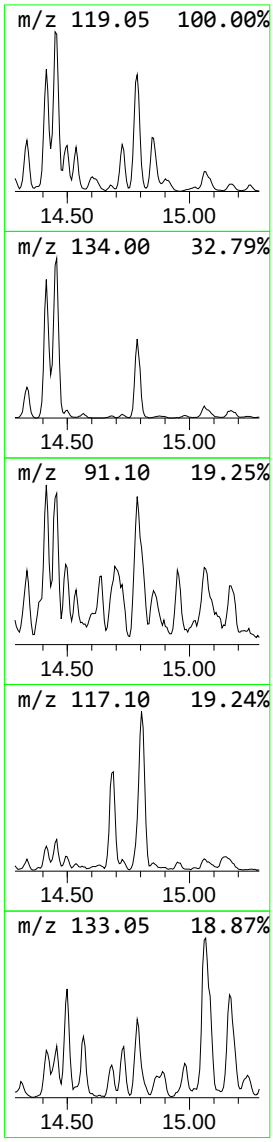
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Benzene, 1-methyl-3-(1-meth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.786	6.24 ug/L	360540	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	81
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

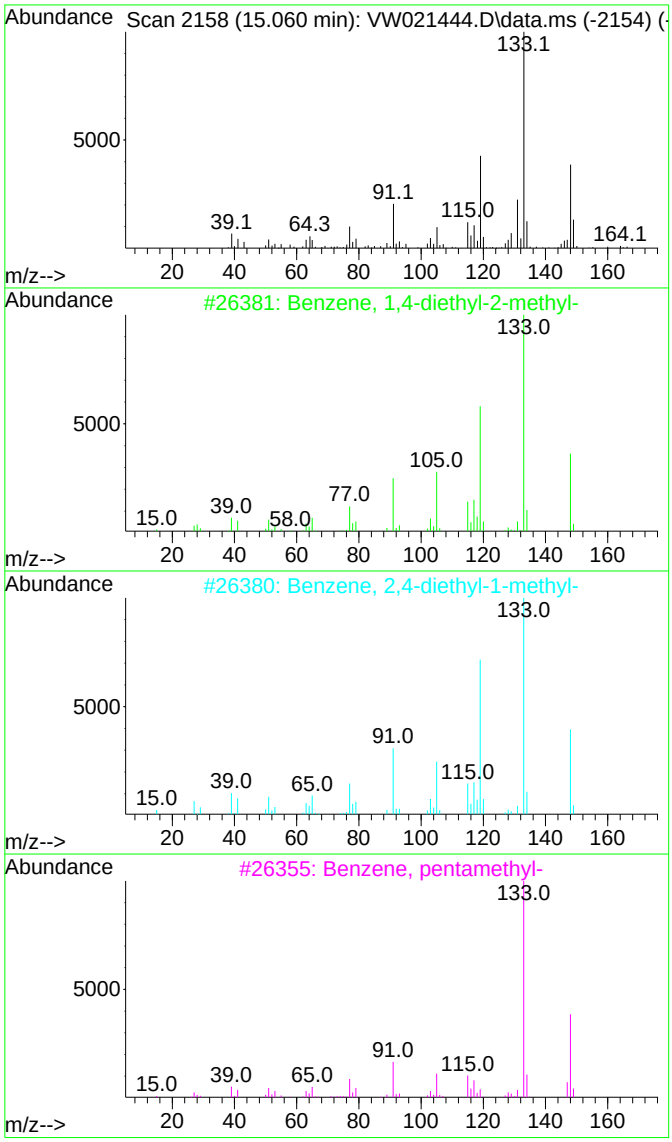
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

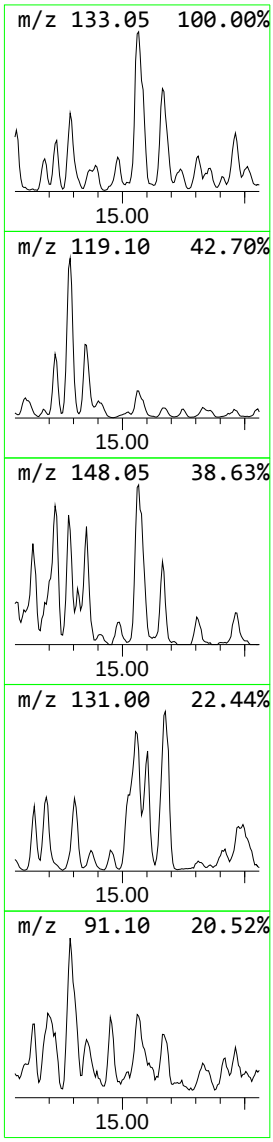
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	2.18 ug/L	125608	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	87
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	64
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	64
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	64
5	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

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

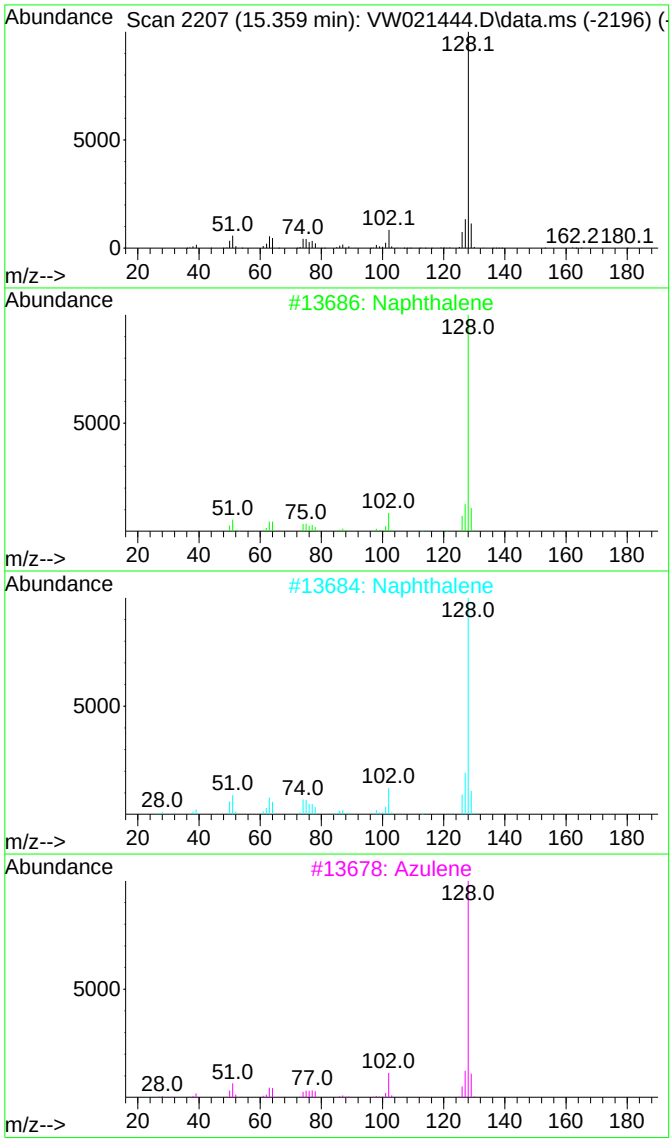
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

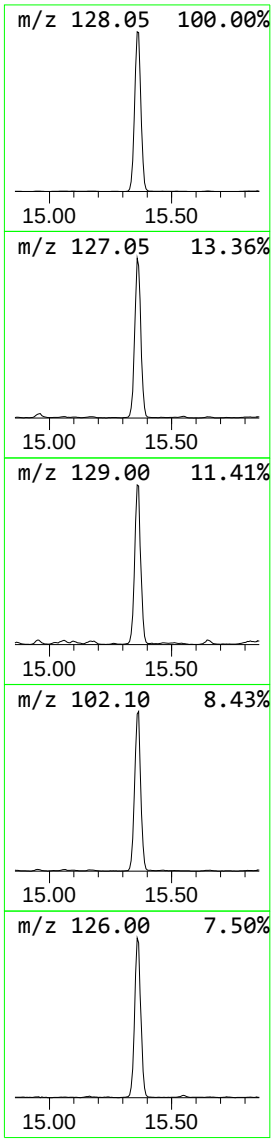
****

Peak Number 32 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.359	34.18 ug/L	1973650	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Naphthalene	128	C10H8	000091-20-3	94
3	Azulene	128	C10H8	000275-51-4	93
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 : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

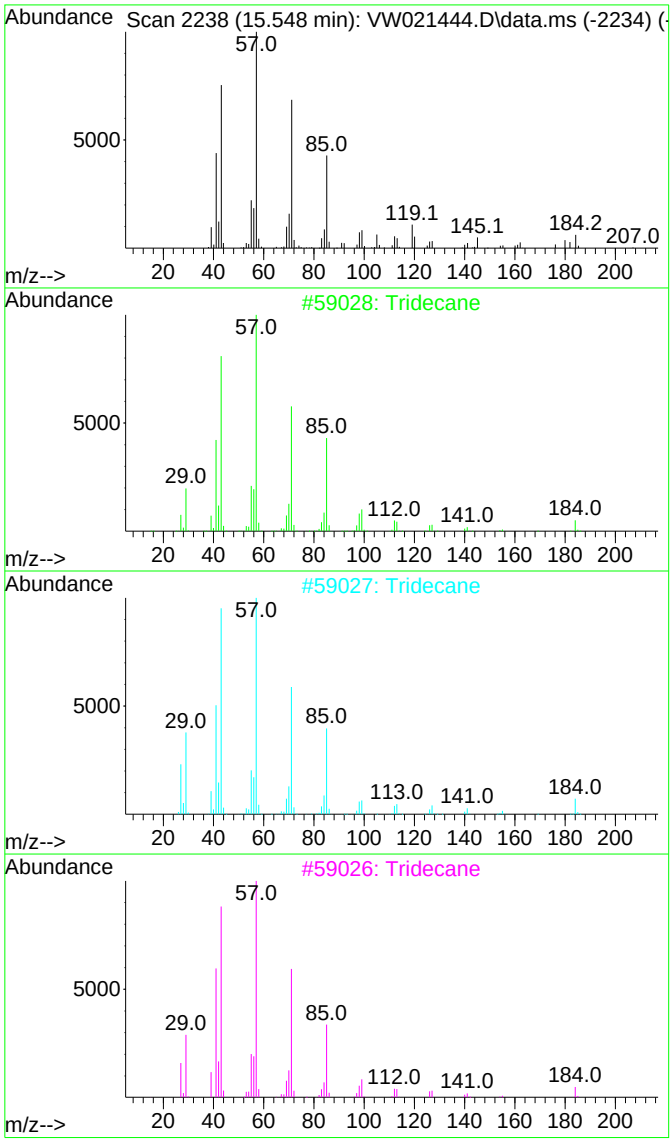
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

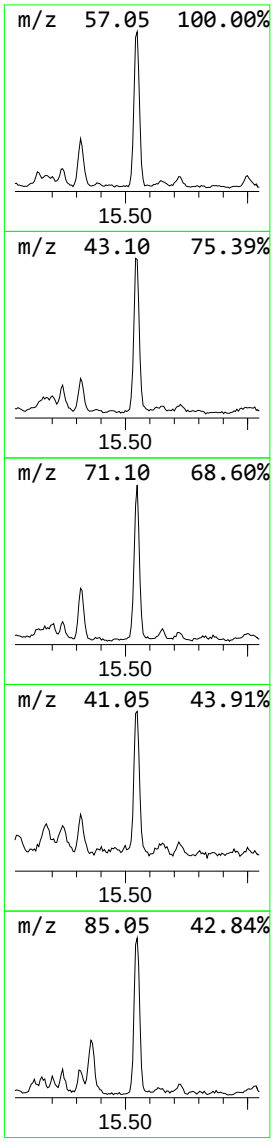
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.548	3.23 ug/L	186391	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	97
2	Tridecane	184	C13H28	000629-50-5	96
3	Tridecane	184	C13H28	000629-50-5	94
4	Tridecane	184	C13H28	000629-50-5	81
5	Tetradecane	198	C14H30	000629-59-4	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

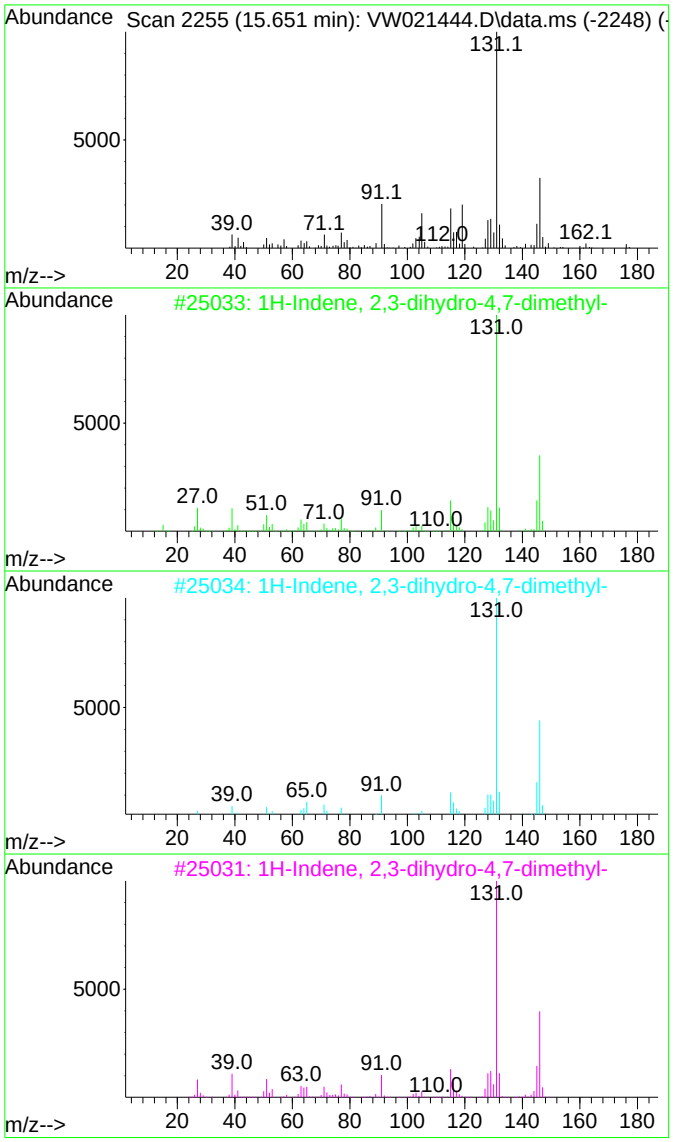
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

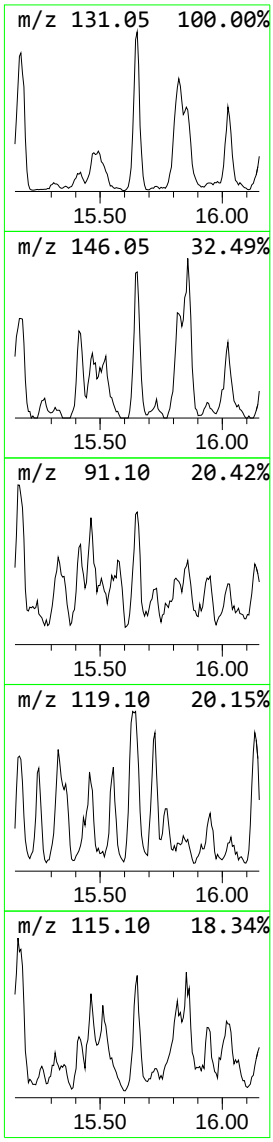
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	1.87 ug/L	108232	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
Data File : VW021444.D
Acq On : 18 Dec 2021 00:51
Operator : SY/VA
Sample : M5153-02
Misc : 5.48g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL67

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	14.5	ug/L	145426	1	8.842	251478	25.0
Propanal, 2-met...	5.787	1.6	ug/L	16289	1	8.842	251478	25.0
Butanal	6.897	2.9	ug/L	29454	1	8.842	251478	25.0
Pentanal	9.409	1.9	ug/L	18746	1	8.842	251478	25.0
(DEL) Alkane: S...	9.890	1.4	ug/L	14140	1	8.842	251478	25.0
(DEL) Alkane: S...	10.091	1.3	ug/L	13293	1	8.842	251478	25.0
Ether, hexyl pe...	11.408	1.3	ug/L	61367	2	11.628	1182130	25.0
unknown-01	12.335	3.0	ug/L	142930	2	11.628	1182130	25.0
1,5-Cyclooctadiene	12.560	9.0	ug/L	424831	2	11.628	1182130	25.0
Benzene, propyl-	12.798	4.0	ug/L	233440	3	13.560	1443590	25.0
Benzene, 1-ethy...	12.865	9.2	ug/L	531598	3	13.560	1443590	25.0
Benzene, 1-ethy...	13.103	7.6	ug/L	437336	3	13.560	1443590	25.0
(DEL) Alkane: S...	13.164	1.5	ug/L	85082	3	13.560	1443590	25.0
p-Cymene	13.438	2.2	ug/L	126895	3	13.560	1443590	25.0
Indane	13.755	20.1	ug/L	1157490	3	13.560	1443590	25.0
Indene	13.938	5.2	ug/L	300086	3	13.560	1443590	25.0
Benzene, 2-ethy...	14.005	2.4	ug/L	141080	3	13.560	1443590	25.0
Benzene, 1-ethy...	14.091	4.6	ug/L	267948	3	13.560	1443590	25.0
Benzene, 1-meth...	14.200	3.2	ug/L	186231	3	13.560	1443590	25.0
Benzene, 4-ethy...	14.335	2.9	ug/L	169782	3	13.560	1443590	25.0
(DEL) Alkane: C...	14.383	1.9	ug/L	111425	3	13.560	1443590	25.0
Benzene, 1,2,3,...	14.414	4.0	ug/L	229980	3	13.560	1443590	25.0
Benzene, 1-ethy...	14.456	4.0	ug/L	229411	3	13.560	1443590	25.0
Benzene, 1,3-di...	14.493	2.3	ug/L	135124	3	13.560	1443590	25.0
Benzene, (1,1-d...	14.536	1.5	ug/L	88409	3	13.560	1443590	25.0
Benzene, 2-ethe...	14.688	1.7	ug/L	100402	3	13.560	1443590	25.0
(DEL) Alkane: S...	14.719	3.9	ug/L	222359	3	13.560	1443590	25.0
Benzene, 1-meth...	14.786	6.2	ug/L	360540	3	13.560	1443590	25.0
Benzene, 1,4-di...	15.060	2.2	ug/L	125608	3	13.560	1443590	25.0
Azulene	15.359	34.2	ug/L	1973650	3	13.560	1443590	25.0
(DEL) Alkane: S...	15.548	3.2	ug/L	186391	3	13.560	1443590	25.0
1H-Indene, 2,3-...	15.651	1.9	ug/L	108232	3	13.560	1443590	25.0