LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

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

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

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

Signal : TIC: VW021150.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.989	11	14	23	rVB	6447	10712	0.08%	0.030%
2	2.355	64	74	81	rBV	50374	88515	0.68%	0.247%
3	2.507	92	99	113	rBV	18373	42380	0.33%	0.118%
4	2.818	145	150	155	rVV	4497	9263	0.07%	0.026%
5	2.885	155	161	172	rVB	24596	50536	0.39%	0.141%
6	3.026	178	184	194	rVB4	2383	5765	0.04%	0.016%
7	3.690	283	293	305	rBV	61282	146936	1.14%	0.410%
8	4.019	337	347	359	rVV2	54948	157943	1.22%	0.441%
9	4.153	359	369	384	rVB2	9461	35199	0.27%	0.098%
10	4.928	482	496	514	rBV7	6081	32449	0.25%	0.091%
11	5.434	570	579	591	rVB5	4694	14802	0.11%	0.041%
12	5.799	626	639	648	rBV2	4787	15633	0.12%	0.044%
13	5.940	653	662	674	rVB3	5795	17385	0.13%	0.049%
14	6.116	682	691	703	rBV2	2334	7737	0.06%	0.022%
15	6.897	807	819	827	rBV4	6226	20017	0.15%	0.056%
16	6.982	830	833	842	rVV5	2720	6897	0.05%	0.019%
17	7.092	842	851	855	rVV2	7678	20069	0.16%	0.056%
18	7.171	855	864	874	rVV	199252	536831	4.15%	1.499%
19	7.263	874	879	891	rVB	11802	29967	0.23%	0.084%
20	7.653	932	943	956	rVB	75666	181182	1.40%	0.506%
21	7.927	980	988	998	rVB4	6561	16999	0.13%	0.047%
22	8.037	998	1006	1013	rBV4	2622	6582	0.05%	0.018%
23	8.159	1019	1026	1034	rVB2	7685	17266	0.13%	0.048%
24	8.281	1036	1046	1050	rBV	144302	370677	2.87%	1.035%
25	8.403	1061	1066	1074	rBV3	3073	6838	0.05%	0.019%
26	8.573	1088	1094	1107	rVB6	2013	6010	0.05%	0.017%
27	8.701	1107	1115	1123	rVV	11658	25116	0.19%	0.070%
28	8.842	1128	1138	1149	rBV	139100	277017	2.14%	0.774%
29	9.079	1168	1177	1184	rBV2	7548	17356	0.13%	0.048%
30	9.274	1201	1209	1216	rBV	94393	199672	1.54%	0.558%
31	9.409	1224	1231	1239	rVB2	8801	20263	0.16%	0.057%
32	9.756	1283	1288	1295	rVB2	3294	6295	0.05%	0.018%
33	9.896	1303	1311	1316	rBV3	4681	8736	0.07%	0.024%
34	9.957	1316	1321	1328	rBV3	6192	13084	0.10%	0.037%
35	10.036	1328	1334	1340	rVV	50575	86094	0.67%	0.240%
36	10.097	1340	1344	1354	rVB2	6959	14814	0.11%	0.041%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

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

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

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

37	10.213	1355	1363	1374	rBV	15000	29362	0.23%	0.082%
38	10.323	1374	1381	1386	rBV	230334	401993	3.11%	1.123%
39	10.390	1386	1392	1404	rVB	270983	479283	3.71%	1.339%
40	10.506	1404	1411	1417	rVB2	12869	23370	0.18%	0.065%
41	10.579	1417	1423	1432	rBV	32751	57842	0.45%	0.162%
42	10.664	1432	1437	1447	rVB6	3048	6017	0.05%	0.017%
43	10.927	1473	1480	1488	rBV	38325	68930	0.53%	0.193%
44	11.073	1499	1504	1513	rVB2	14493	24243	0.19%	0.068%
45	11.183	1517	1522	1526	rVV	7121	11750	0.09%	0.033%
46	11.231	1526	1530	1534	rVV3	4717	7656	0.06%	0.021%
47	11.341	1544	1548	1551	rVV3	4255	6565	0.05%	0.018%
48	11.408	1555	1559	1570	rVB6	10210	26861	0.21%	0.075%
49	11.512	1570	1576	1581	rBV2	9838	16747	0.13%	0.047%
50	11.634	1588	1596	1604	rBV	210607	376069	2.91%	1.050%
51	11.731	1604	1612	1621	rBV	2631879	4011401	31.01%	11.203%
52	11.835	1621	1629	1640	rBV	7458366	12935565	100.00%	36.127%
53	12.164	1671	1683	1691	rBV	2259456	3650373	28.22%	10.195%
54	12.341	1701	1712	1716	rBV3	40099	83585	0.65%	0.233%
55	12.463	1727	1732	1738	rVB	126447	195837	1.51%	0.547%
56	12.566	1746	1749	1754	rVB5	10951	14908	0.12%	0.042%
57	12.695	1764	1770	1776	rVB	78573	126476	0.98%	0.353%
58	12.804	1780	1788	1792	rBV	126660	199303	1.54%	0.557%
59	12.865	1792	1798	1801	rBV	504157	766950	5.93%	2.142%
60	12.938	1807	1810	1816	rVB	372315	580210	4.49%	1.620%
61	13.103	1829	1837	1844	rBV	232994	374174	2.89%	1.045%
62	13.170	1844	1848	1849	rBV3	6458	8742	0.07%	0.024%
63	13.249	1855	1861	1867	rBV	1244127	1859322	14.37%	5.193%
64	13.390	1875	1884	1888	rBV4	43531	106746	0.83%	0.298%
65	13.438	1888	1892	1895	rBV	44318	62030	0.48%	0.173%
66	13.475	1896	1898	1905	rVB2	41653	87554	0.68%	0.245%
67	13.560	1905	1912	1913	rBV	299168	452803	3.50%	1.265%
68	13.719	1932	1938	1939	rBV2	50695	73440	0.57%	0.205%
69	13.749	1939	1943	1947	rBV3	238036	415925	3.22%	1.162%
70	13.853	1955	1960	1969	rVB2	252065	504180	3.90%	1.408%
71	13.938	1969	1974	1980	rVB2	103558	183562	1.42%	0.513%
72	14.005	1980	1985	1988	rBV	93534	153911	1.19%	0.430%
73	14.036	1988	1990	1995	rVV	92889	123660	0.96%	0.345%
74	14.091	1995	1999	2005	rVB	134612	204154	1.58%	0.570%
75	14.158	2005	2010	2012	rBV	13444	19875	0.15%	0.056%
76	14.200	2012	2017	2022	rVB2	77407	126307	0.98%	0.353%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

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

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

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

77	14.249	2022	2025	2033	rBV4	11747	29058	0.22%	0.081%
78	14.334	2033	2039	2044	rVB3	60960	111329	0.86%	0.311%
79	14.414	2044	2052	2055	rBV	91616	155524	1.20%	0.434%
80	14.456	2055	2059	2063	rVV	111631	177906	1.38%	0.497%
81	14.493	2063	2065	2069	rVV2	33155	44036	0.34%	0.123%
82	14.536	2069	2072	2075	rVB	16984	18704	0.14%	0.052%
83	14.639	2084	2089	2092	rVB	18262	29570	0.23%	0.083%
84	14.682	2092	2096	2100	rBV3	42295	70283	0.54%	0.196%
85	14.725	2100	2103	2108	rVB	25874	39674	0.31%	0.111%
86	14.786	2108	2113	2121	rBV2	103544	247559	1.91%	0.691%
87	14.853	2121	2124	2136	rVB2	20365	40048	0.31%	0.112%
88	14.956	2136	2141	2146	rBV2	28604	50798	0.39%	0.142%
89	15.060	2153	2158	2164	rBV3	39874	88853	0.69%	0.248%
90	15.127	2165	2169	2173	rVV	68937	103103	0.80%	0.288%
91	15.359	2200	2207	2214	rVV	884259	1604928	12.41%	4.482%
92	15.462	2220	2224	2230	rVB3	27447	44738	0.35%	0.125%
93	15.554	2235	2239	2248	rVB	41242	76823	0.59%	0.215%
94	15.651	2248	2255	2262	rBV2	27114	54929	0.42%	0.153%
95	15.944	2298	2303	2309	rBV2	15392	30639	0.24%	0.086%
96	16.023	2310	2316	2321	rVB3	11819	25505	0.20%	0.071%
97	16.169	2333	2340	2351	rVB3	12937	33109	0.26%	0.092%
98	16.371	2362	2373	2376	rBV4	17239	44253	0.34%	0.124%
99	16.432	2376	2383	2399	rVB	442536	974164	7.53%	2.721%
100	16.639	2408	2417	2425	rBV	148229	329695	2.55%	0.921%

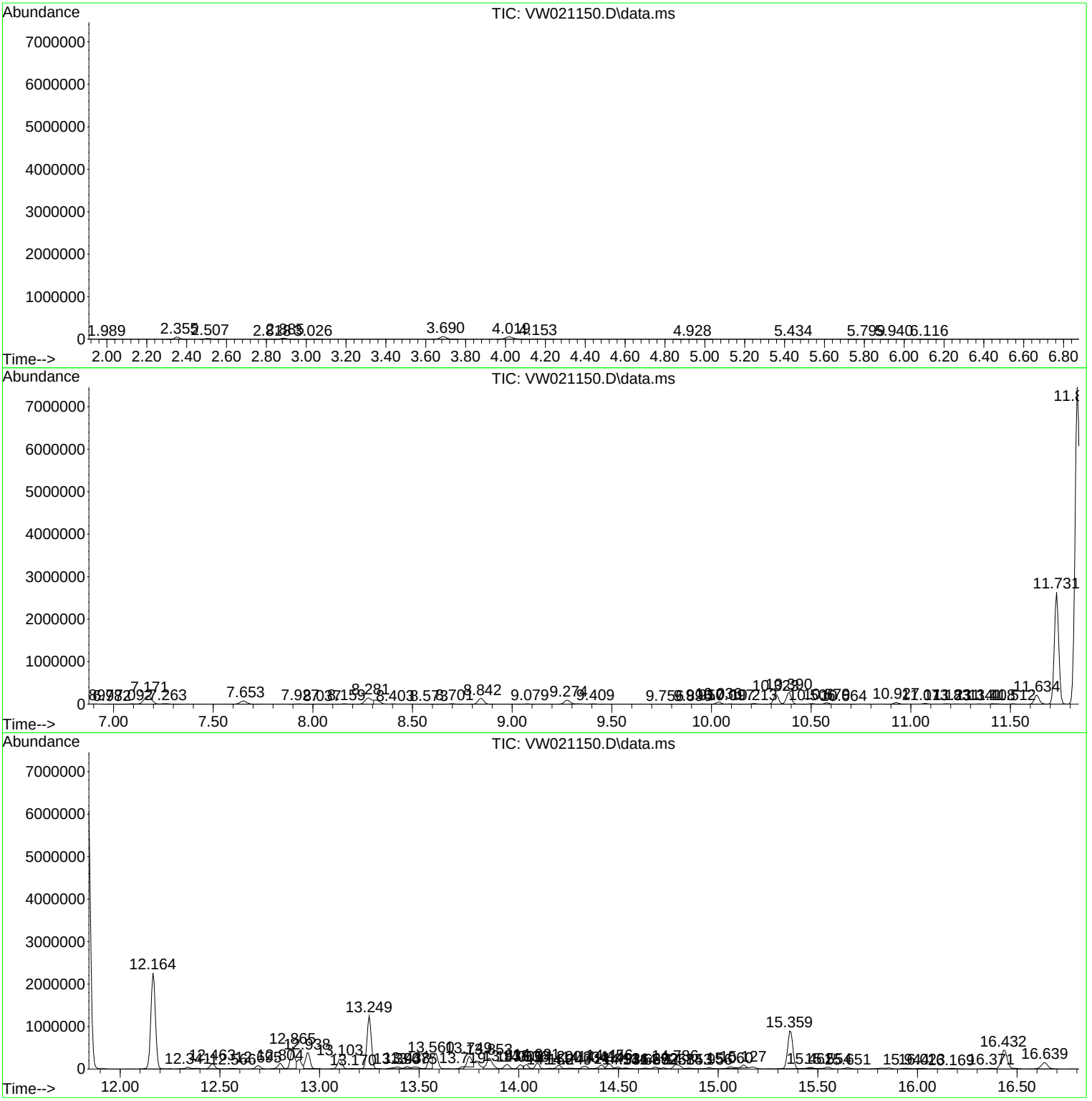
Sum of corrected areas: 35805946

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

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

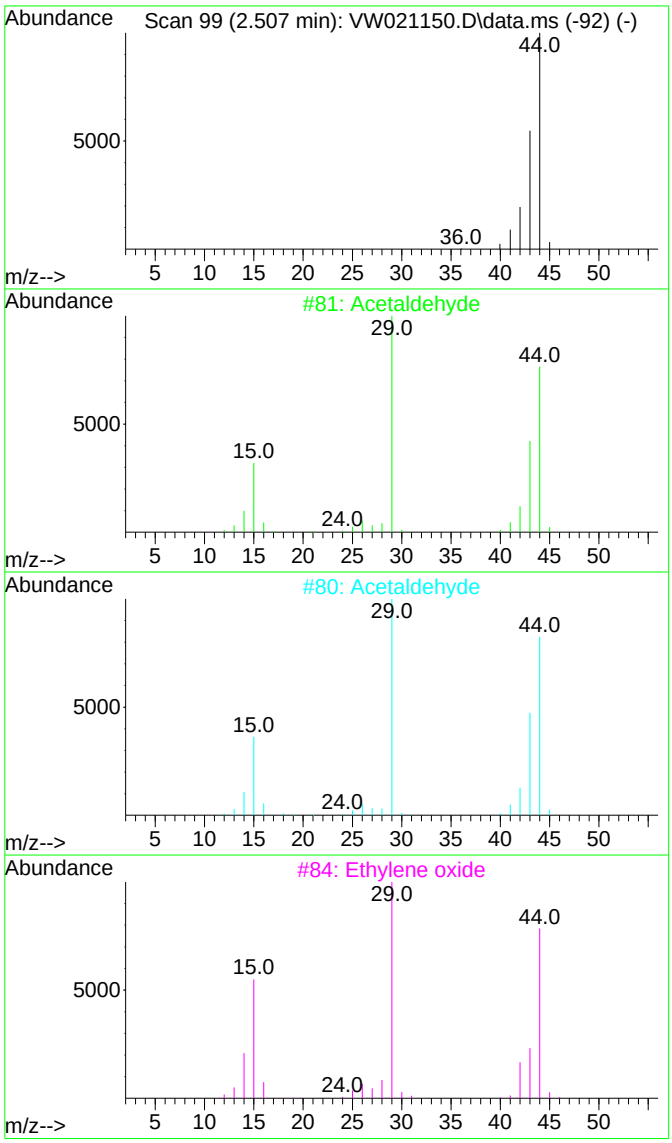
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

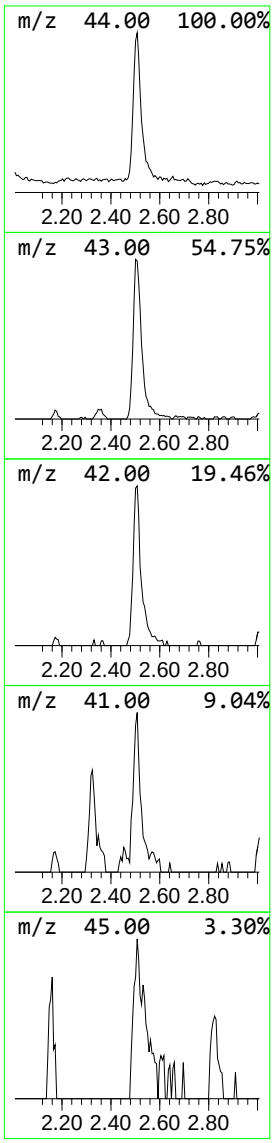
****

Peak Number 1 Acetaldehyde Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.507	3.82 ug/L	42380	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\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

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

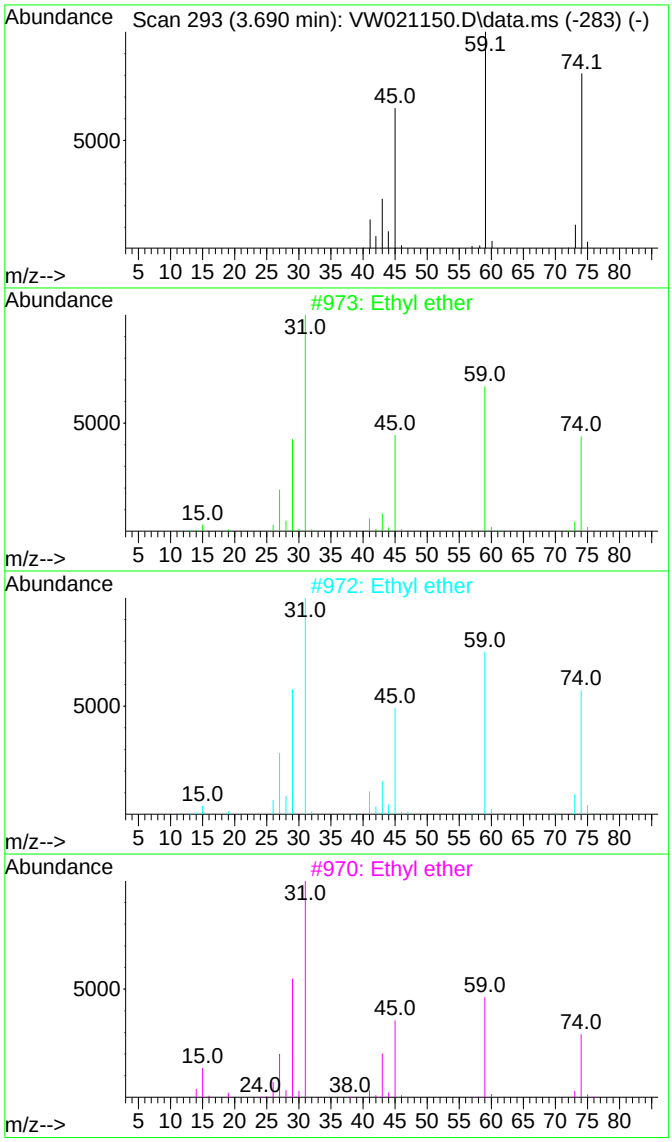
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

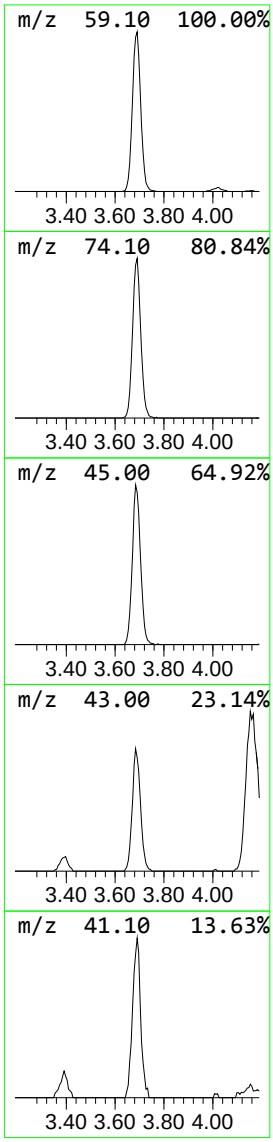
****

Peak Number 2 Ethyl ether Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.690	13.26 ug/L	146936	1,4-Difluorobenzene	8.842

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

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

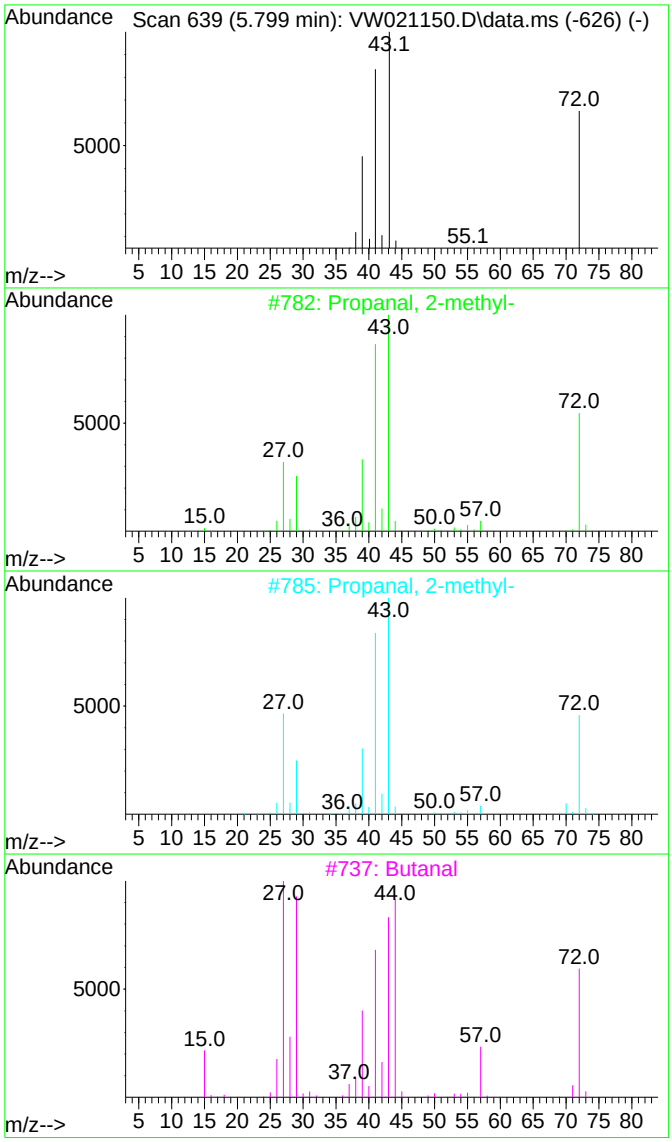
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

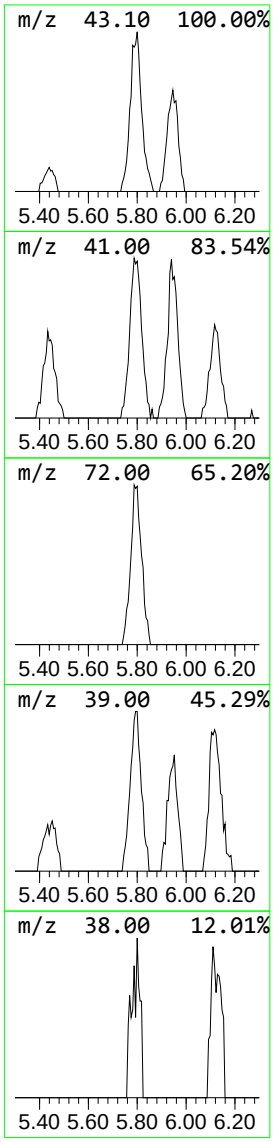
****

Peak Number 4 Propanal, 2-methyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.799	1.41 ug/L	15633	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2-methyl-	72	C4H8O	000078-84-2	90
2	Propanal, 2-methyl-	72	C4H8O	000078-84-2	83
3	Butanal	72	C4H8O	000123-72-8	64
4	1-Propene, 3-methoxy-	72	C4H8O	000627-40-7	59
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

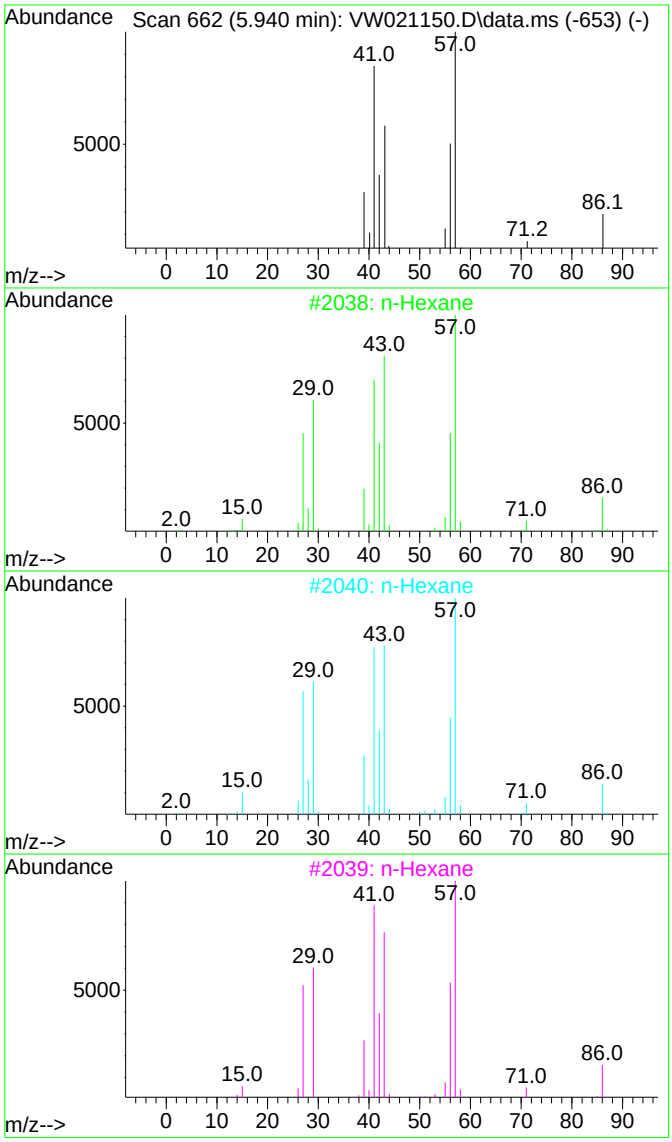
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

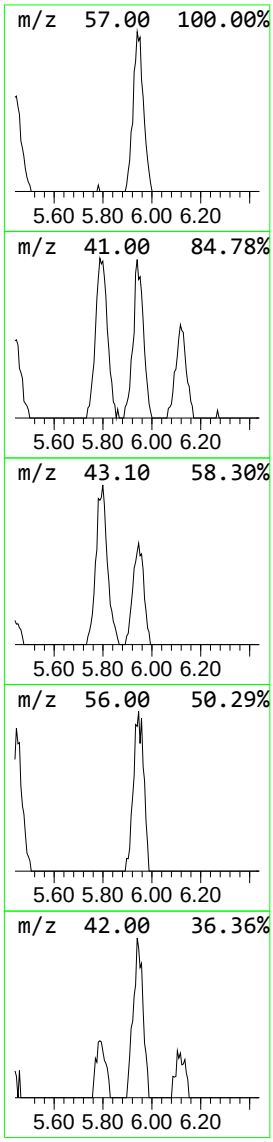
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.940	1.57 ug/L	17385	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	90
2	n-Hexane	86	C6H14	000110-54-3	86
3	n-Hexane	86	C6H14	000110-54-3	86
4	n-Hexane	86	C6H14	000110-54-3	64
5	Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

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

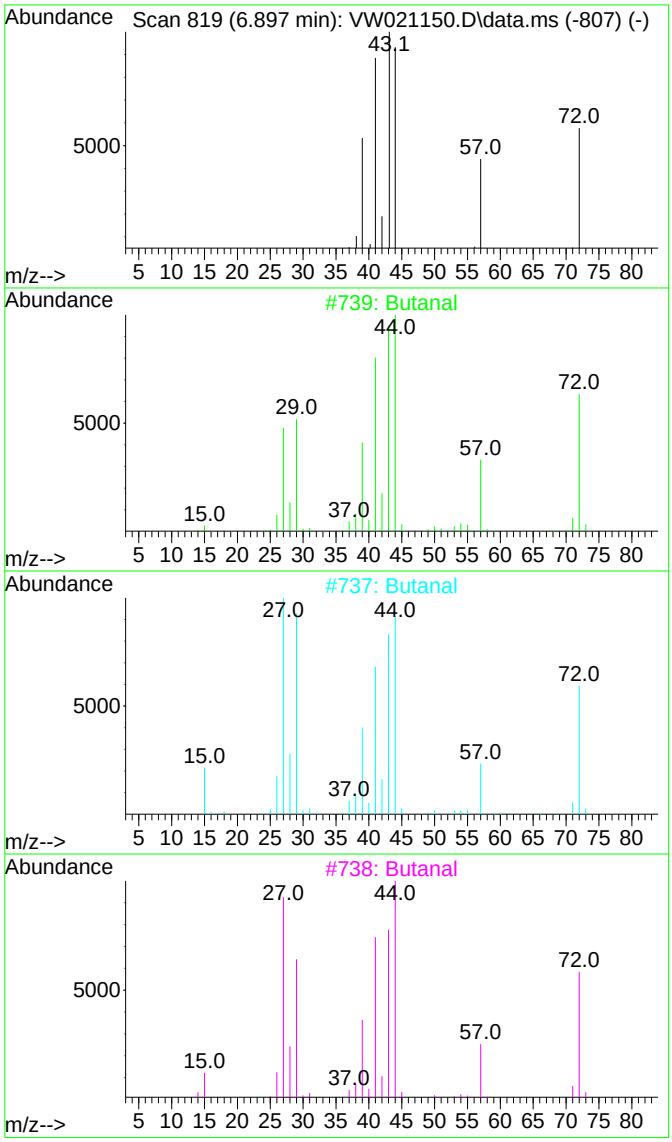
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

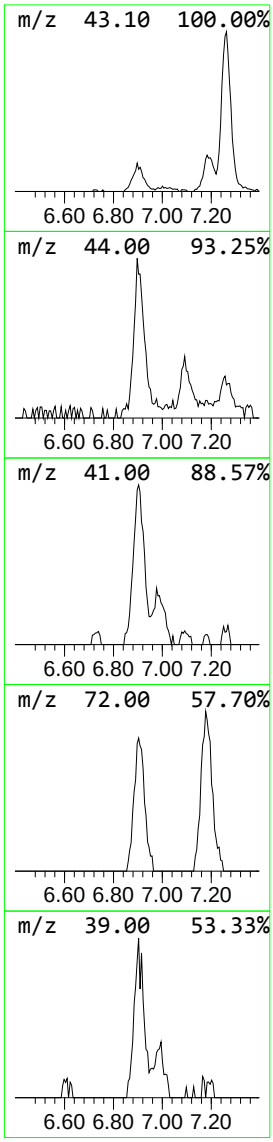
****

Peak Number 6 Butanal Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.897	1.81 ug/L	20017	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	72
2	Butanal	72	C4H8O	000123-72-8	72
3	Butanal	72	C4H8O	000123-72-8	53
4	Butanal	72	C4H8O	000123-72-8	42
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

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

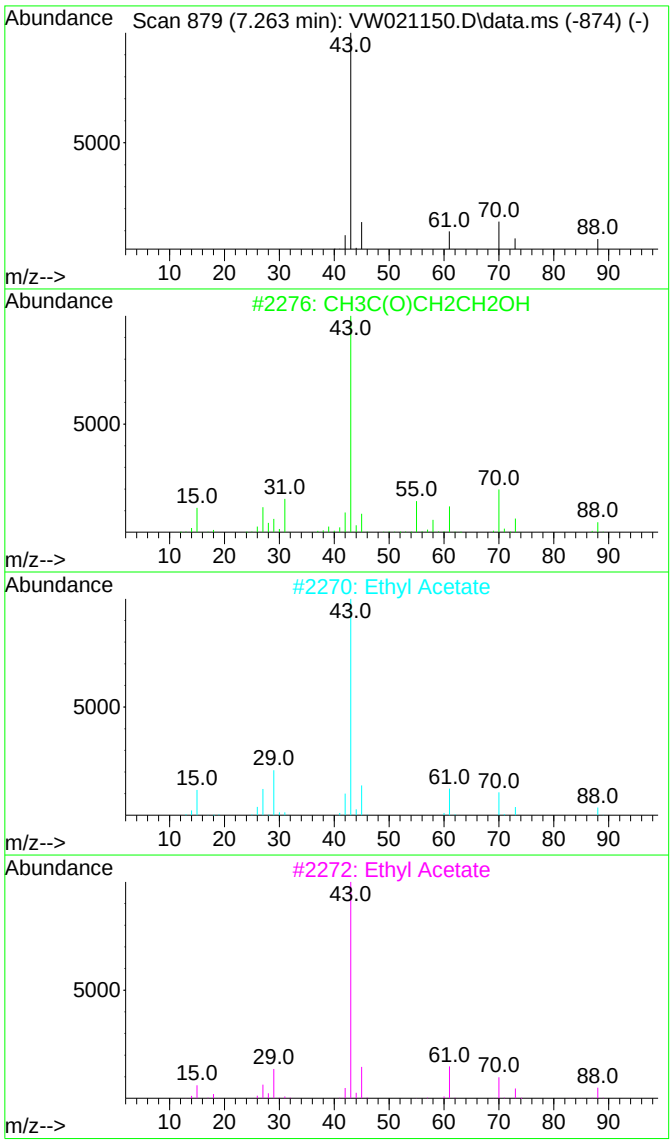
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

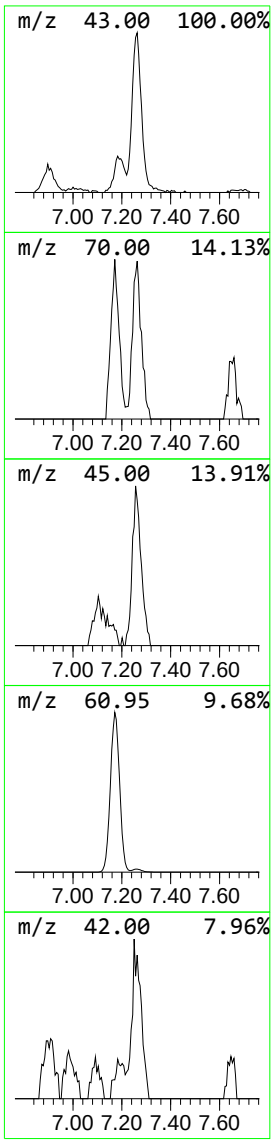
****

Peak Number 7 CH3C(O)CH2CH2OH Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.263	2.70 ug/L	29967	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	CH3C(O)CH2CH2OH	88	C4H8O2	000590-90-9	78
2	Ethyl Acetate	88	C4H8O2	000141-78-6	74
3	Ethyl Acetate	88	C4H8O2	000141-78-6	64
4	Ethyl Acetate	88	C4H8O2	000141-78-6	64
5	CH3C(O)CH2CH2OH	88	C4H8O2	000590-90-9	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

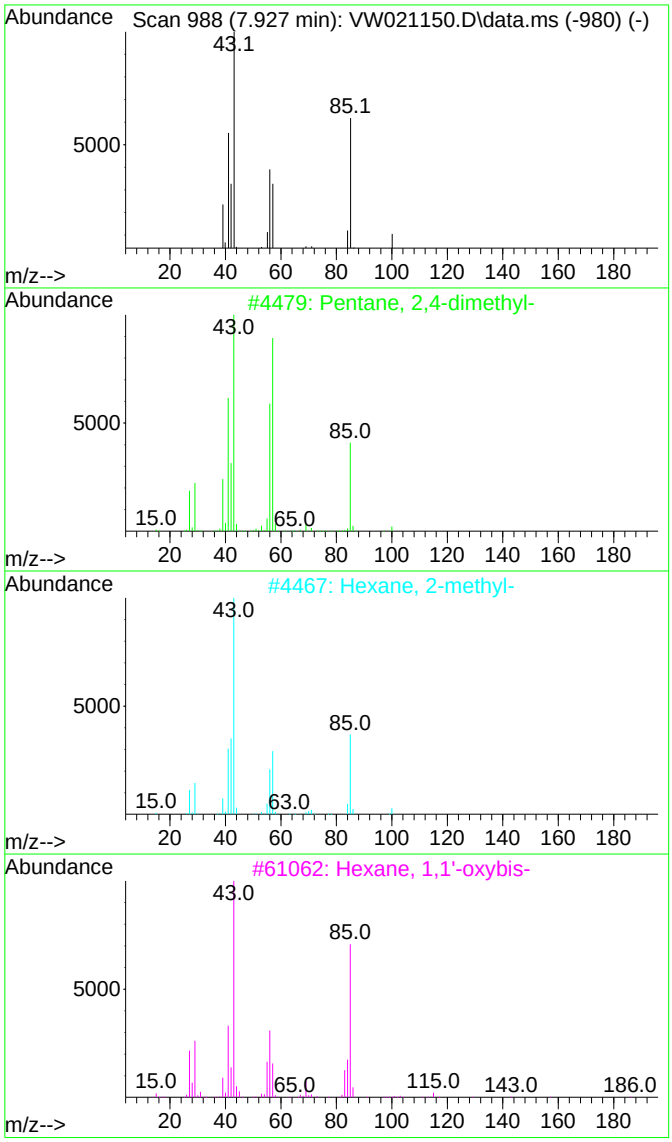
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

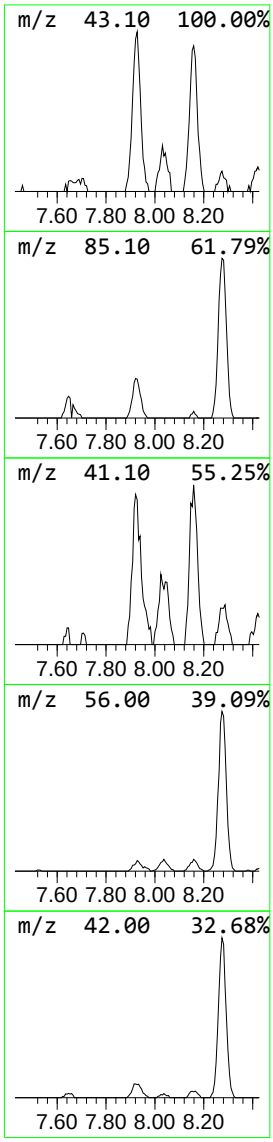
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.927	1.53 ug/L	16999	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	78
2	Hexane, 2-methyl-	100	C7H16	000591-76-4	64
3	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	59
4	Furan, tetrahydro-2,4-dimethyl-,...	100	C6H12O	039168-02-0	59
5	Hexane, 2-methyl-	100	C7H16	000591-76-4	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

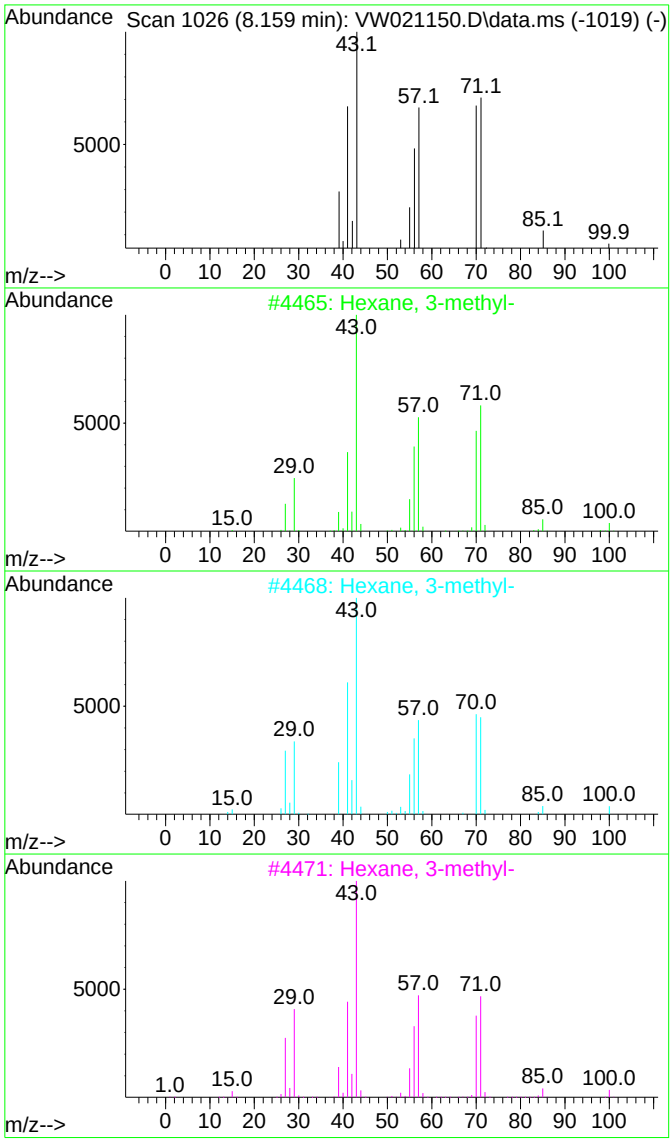
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

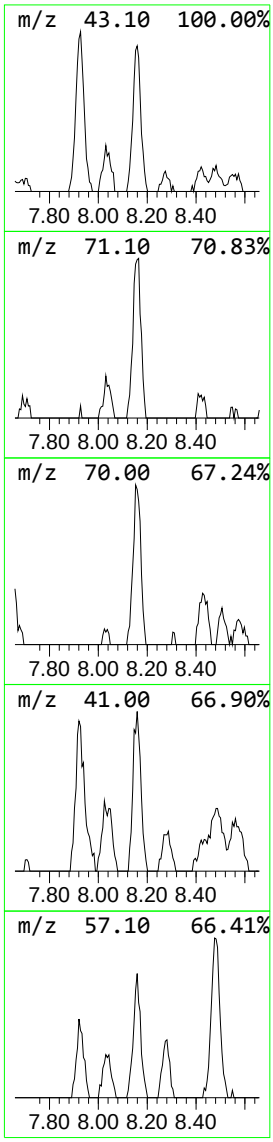
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.159	1.56 ug/L	17266	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	90
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	87
4	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	72
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

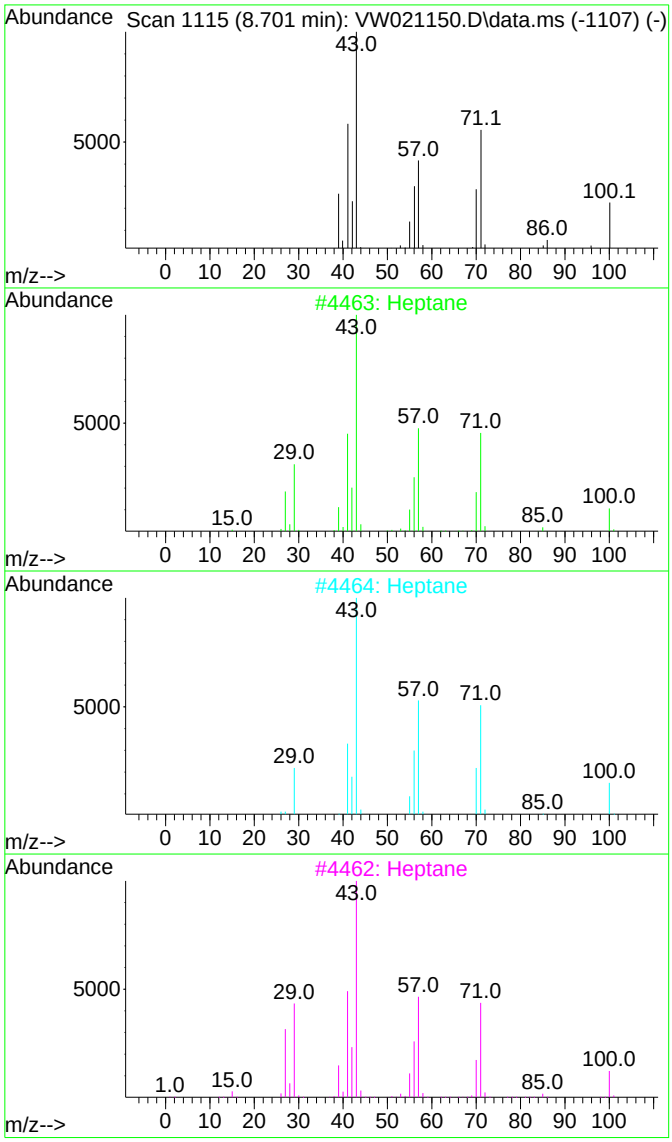
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

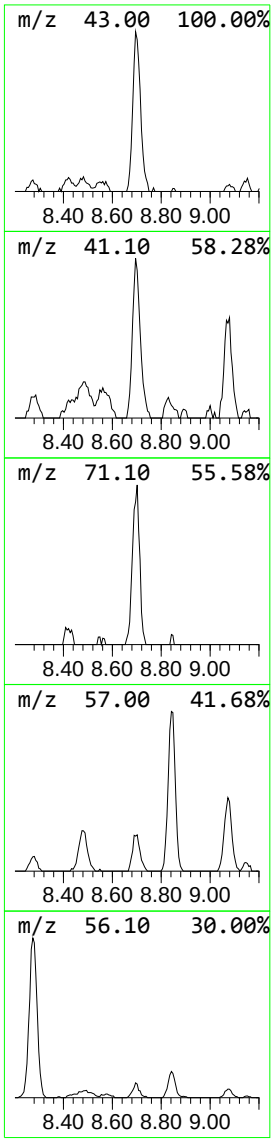
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.701	2.27 ug/L	25116	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	90
2	Heptane	100	C7H16	000142-82-5	87
3	Heptane	100	C7H16	000142-82-5	64
4	Heptane	100	C7H16	000142-82-5	50
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

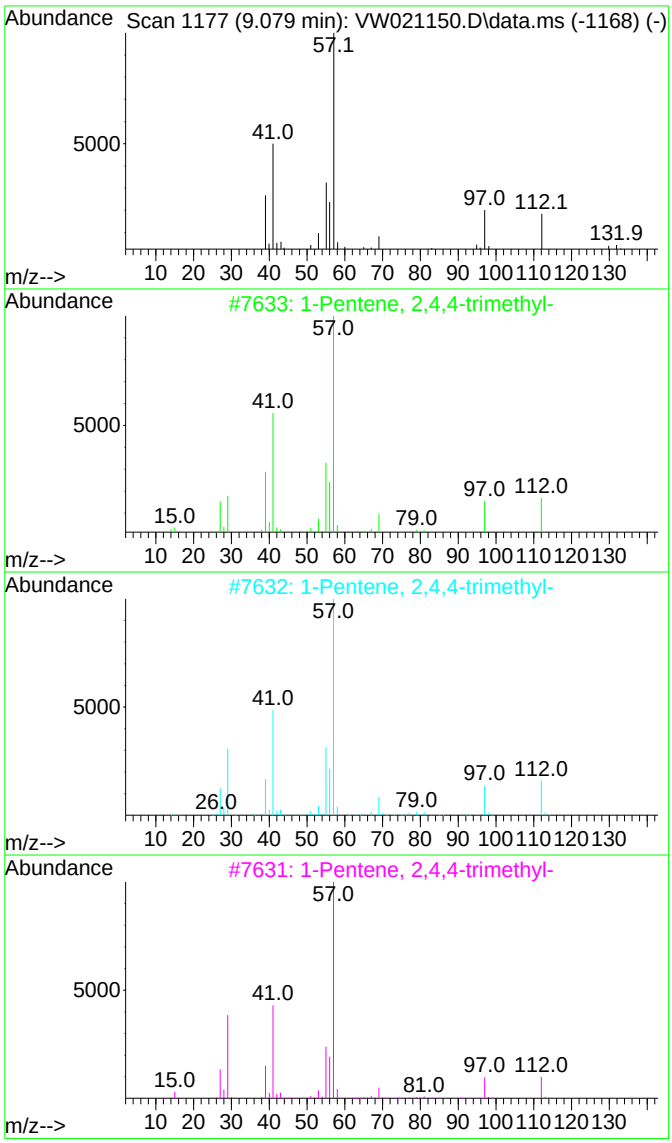
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

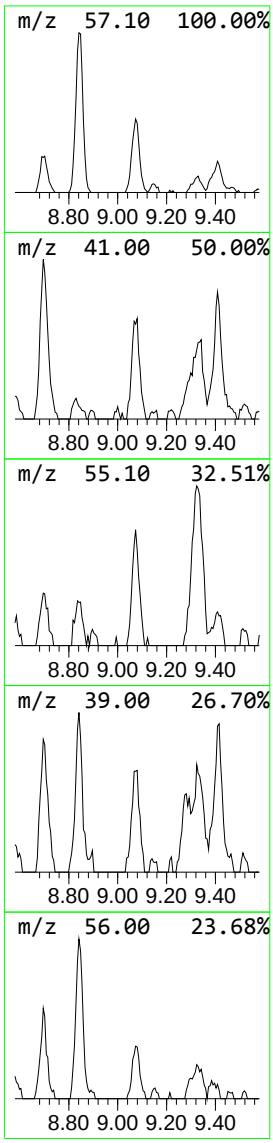
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.079	1.57 ug/L	17356	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	68
2	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	58
3	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	53
4	2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	46
5	Pentane, 2,2,4-trimethyl-4-nitro-	159	C8H17NO2	005342-78-9	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

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

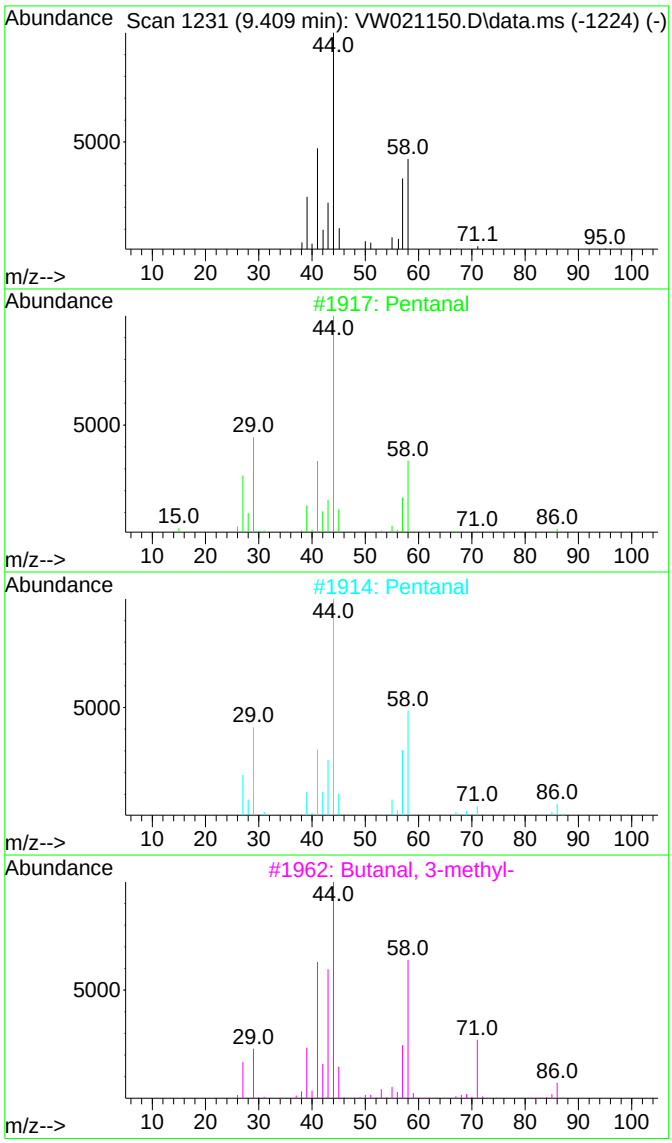
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

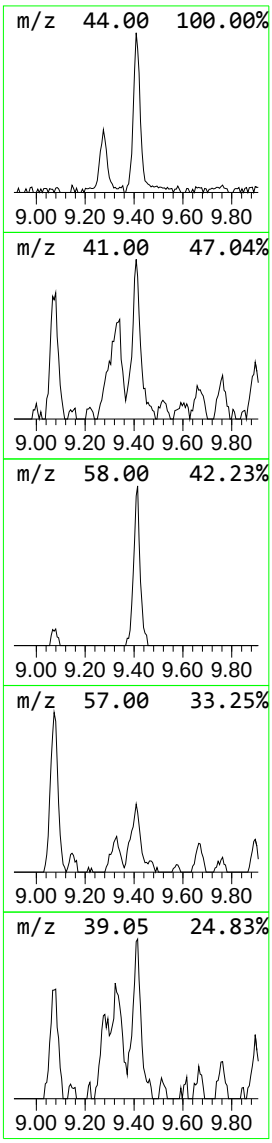
****

Peak Number 12 Pentanal Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.409	1.83 ug/L	20263	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	56
2	Pentanal	86	C5H10O	000110-62-3	56
3	Butanal, 3-methyl-	86	C5H10O	000590-86-3	9
4	Cyclopropyl carbinol	72	C4H8O	002516-33-8	9
5	Pentanal	86	C5H10O	000110-62-3	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

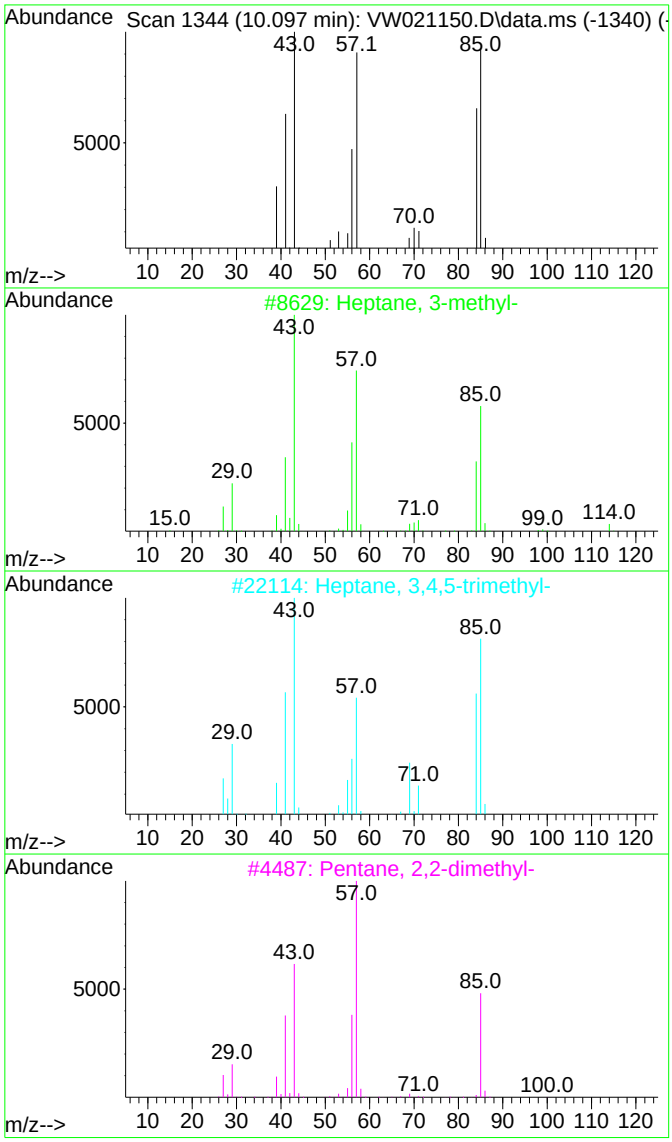
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

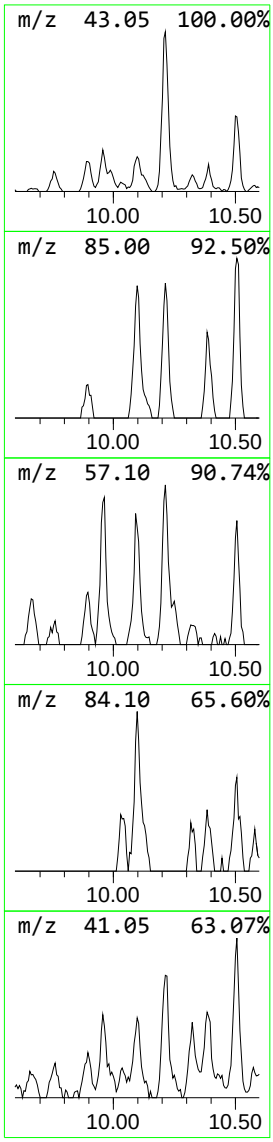
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.097	1.34 ug/L	14814	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	83
2	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64
3	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	45
5	Pentane, 3-ethyl-3-methyl-	114	C8H18	001067-08-9	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

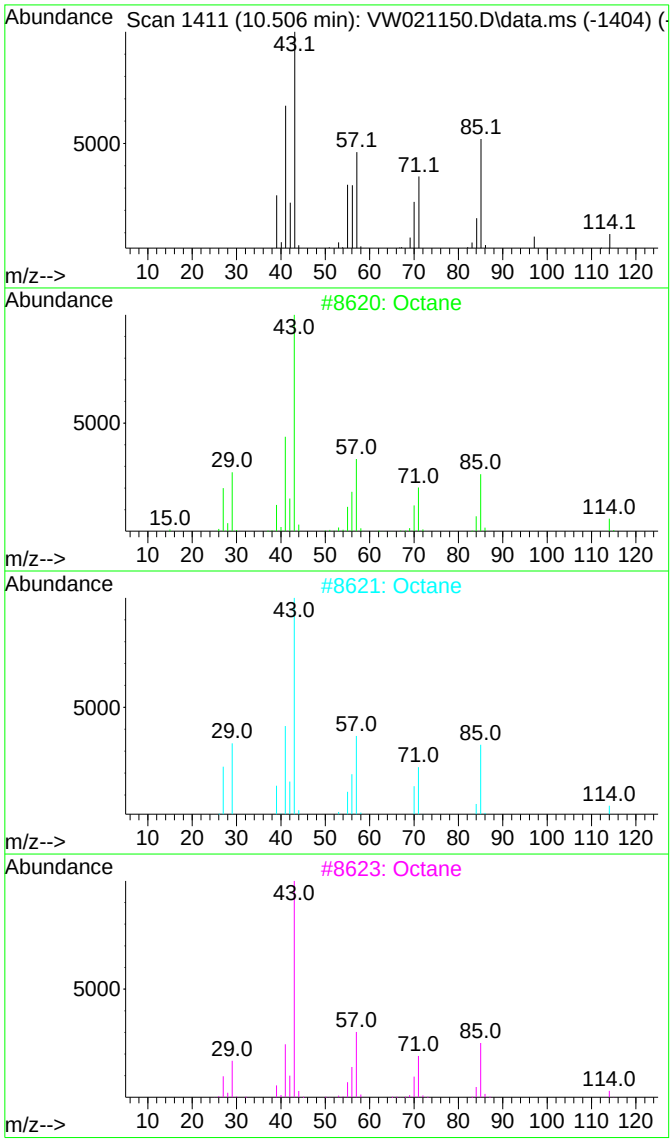
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

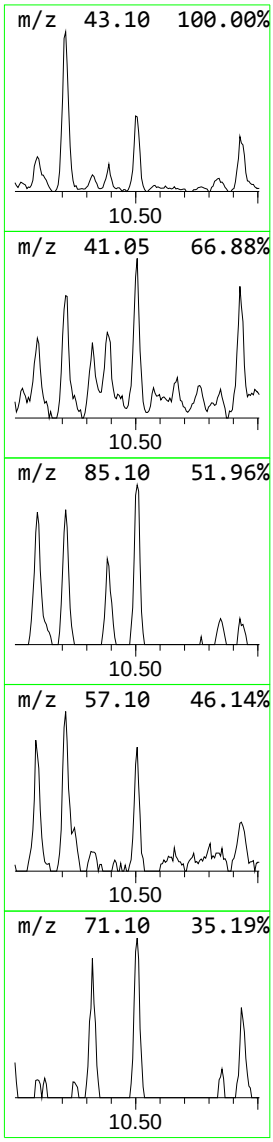
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.506	1.55 ug/L	23370	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	91
2	Octane	114	C8H18	000111-65-9	90
3	Octane	114	C8H18	000111-65-9	87
4	Octane	114	C8H18	000111-65-9	87
5	Octane	114	C8H18	000111-65-9	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

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

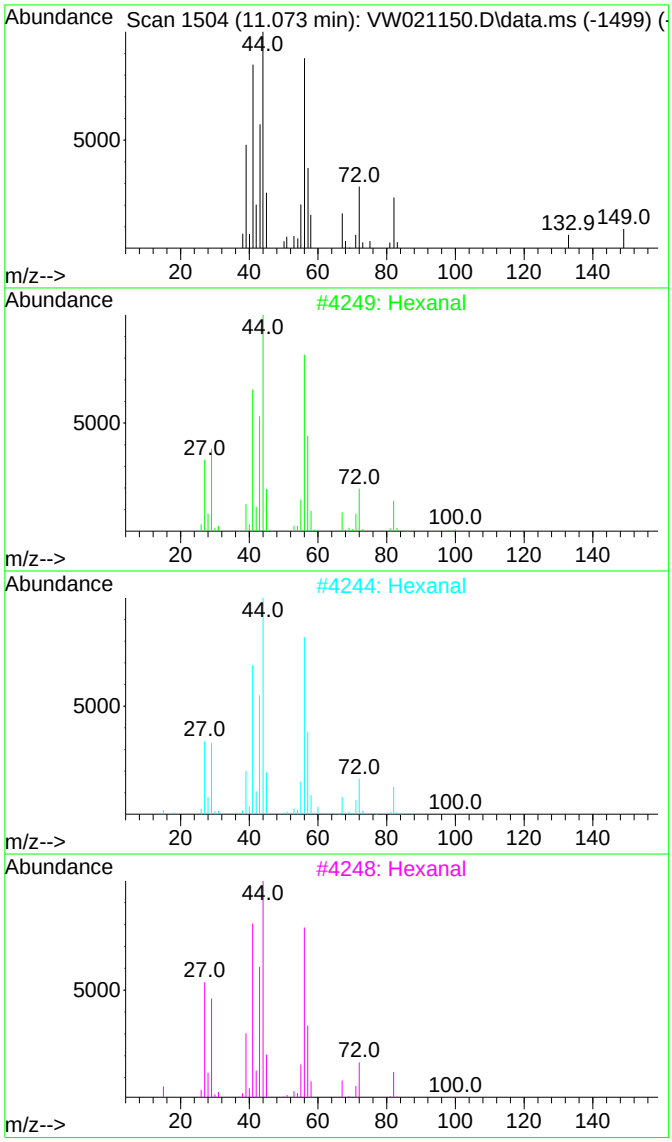
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

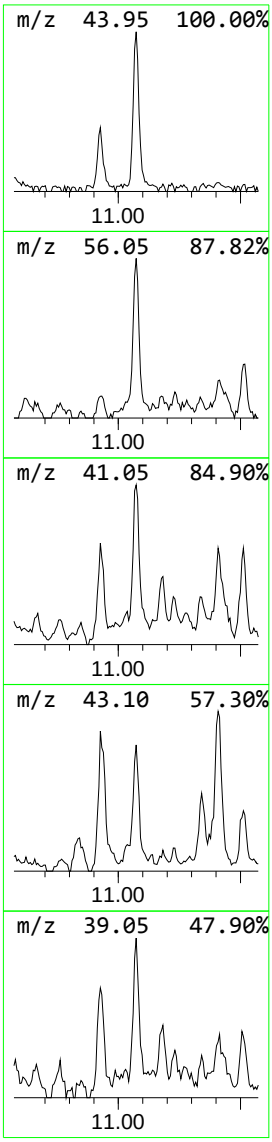
****

Peak Number 16 Hexanal Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.073	1.61 ug/L	24243	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	59
2	Hexanal	100	C6H12O	000066-25-1	53
3	Hexanal	100	C6H12O	000066-25-1	53
4	Hexanal	100	C6H12O	000066-25-1	45
5	Hexanal	100	C6H12O	000066-25-1	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

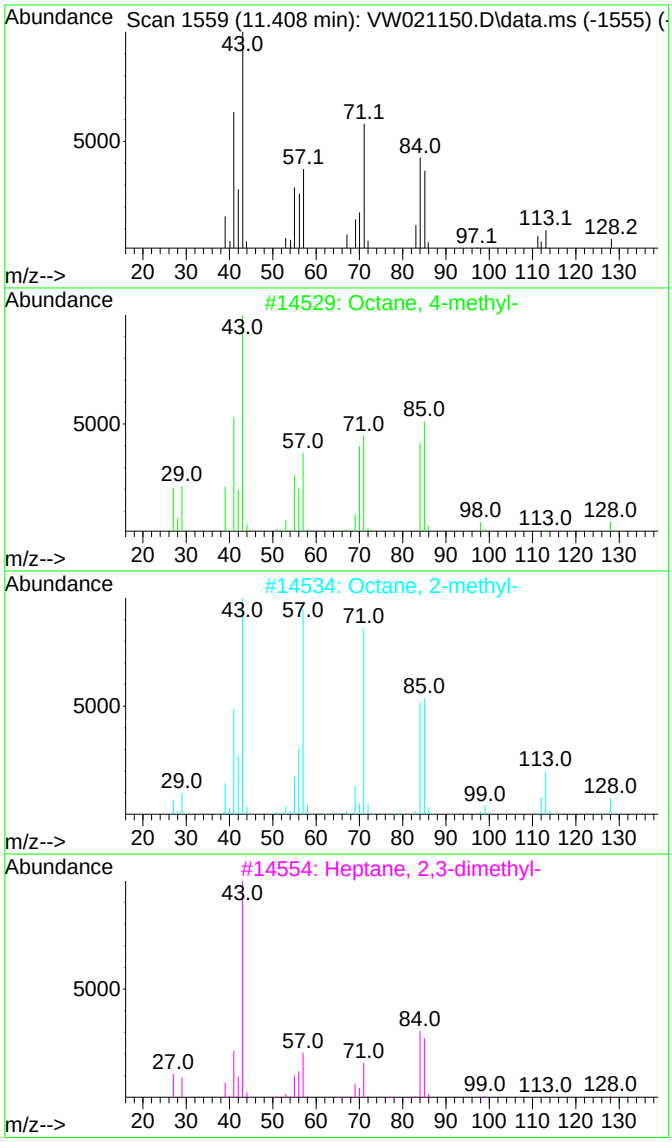
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

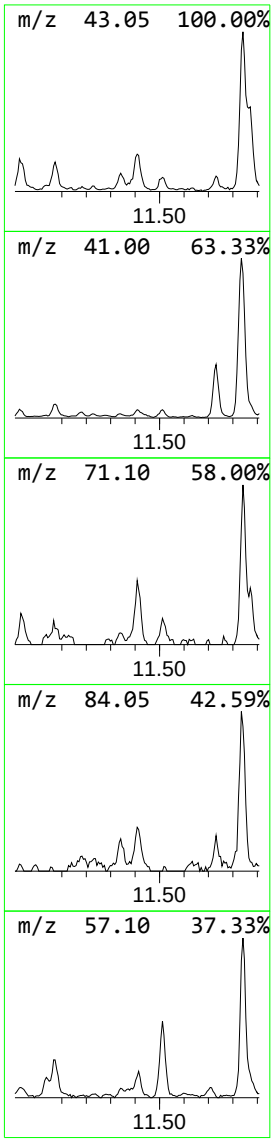
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.408	1.79 ug/L	26861	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	72
2	Octane, 2-methyl-	128	C9H20	003221-61-2	72
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	50
4	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	47
5	2-Methylpentyl formate	130	C7H14O2	381670-34-4	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

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

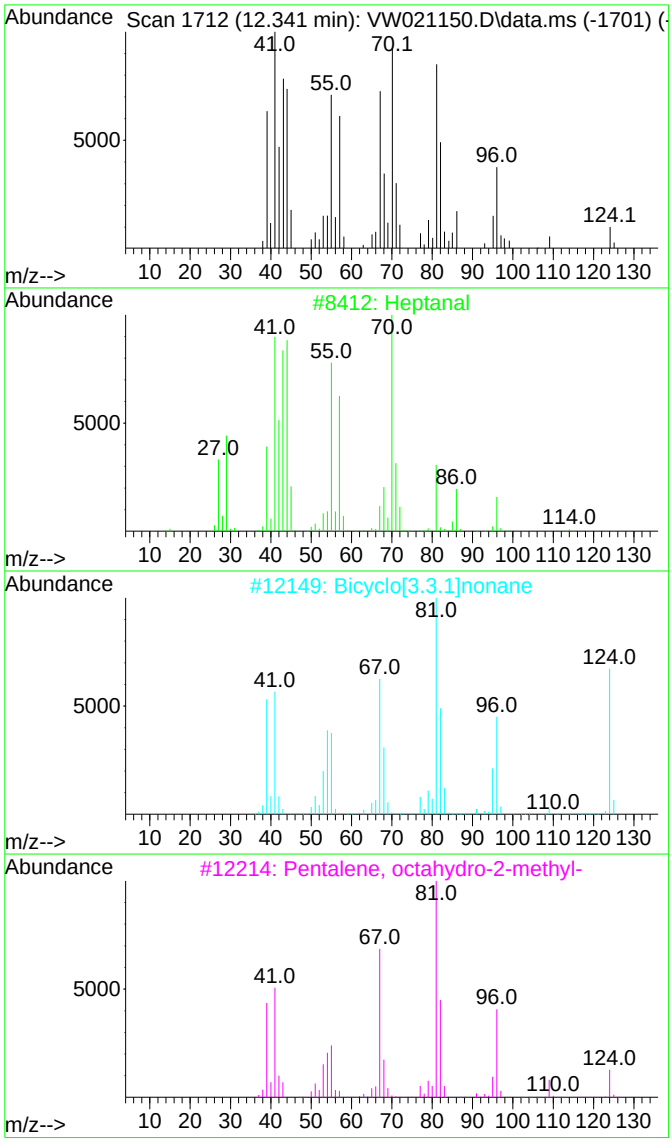
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

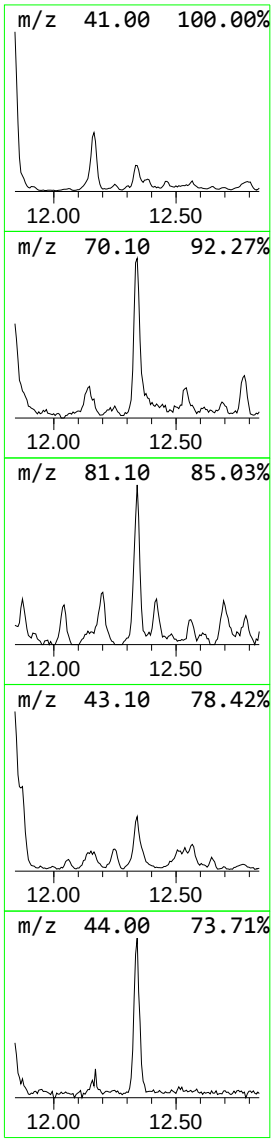
****

Peak Number 18 unknown-01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.341	5.56 ug/L	83585	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	46
2	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	41
3	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	38
4	Cyclohexanone, 4-ethenyl-	124	C8H12O	001740-64-3	30
5	Cyclohexane, methylene-	96	C7H12	001192-37-6	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

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

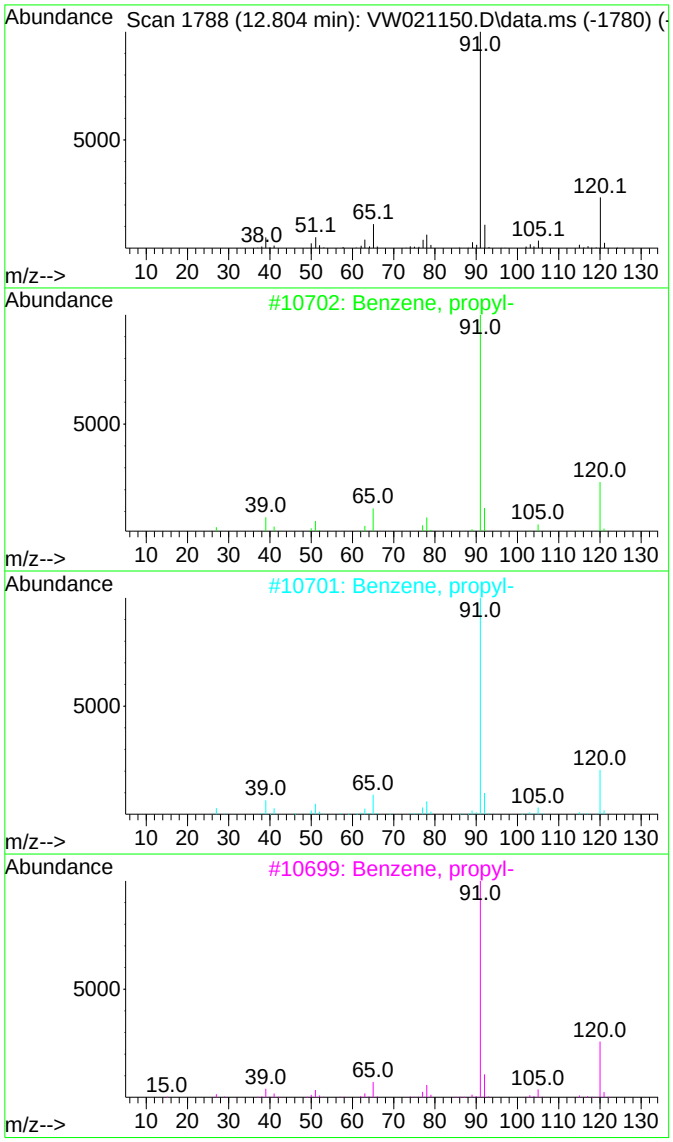
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

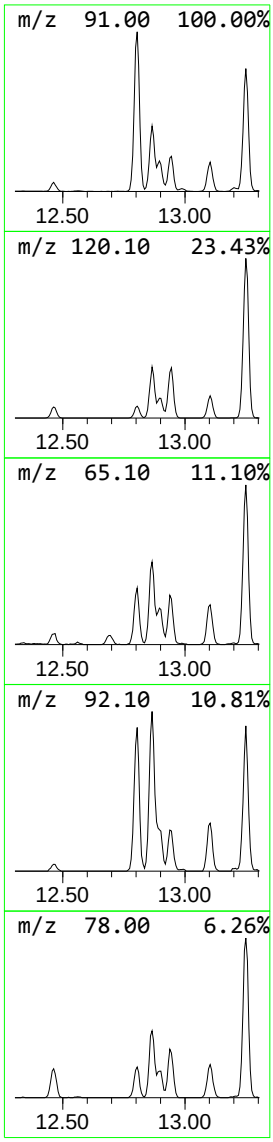
****

Peak Number 19 Benzene, propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.804	11.00 ug/L	199303	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	90
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	N-Isobutyl(phenyl)methanesulfona...	227	C11H17NO2S	144615-94-1	72
5	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

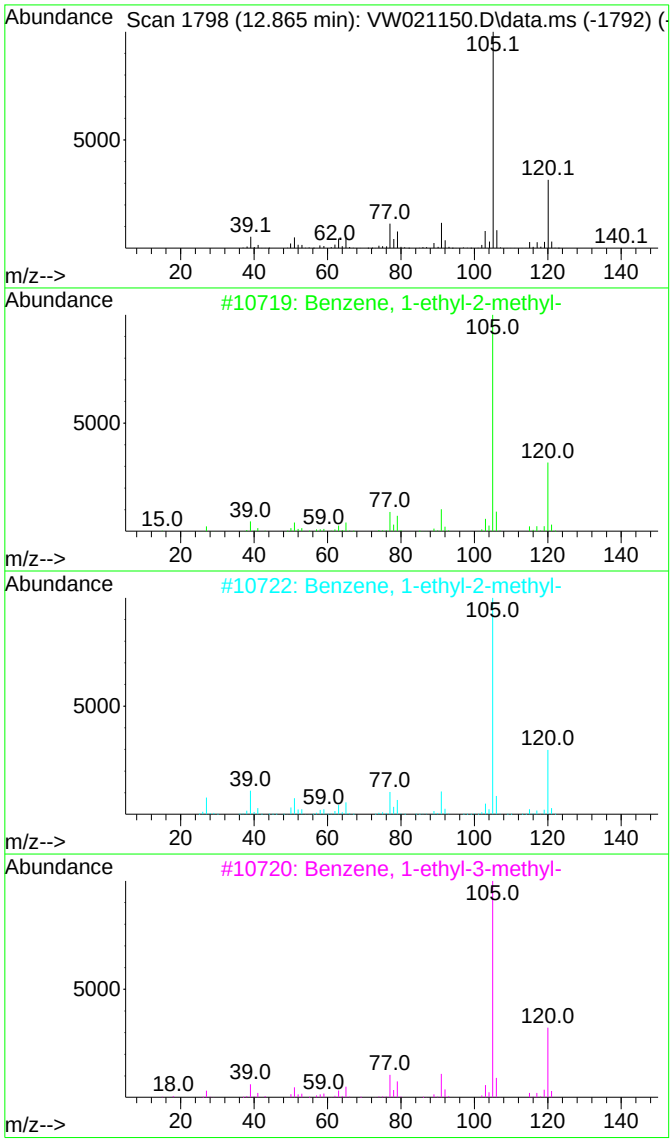
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

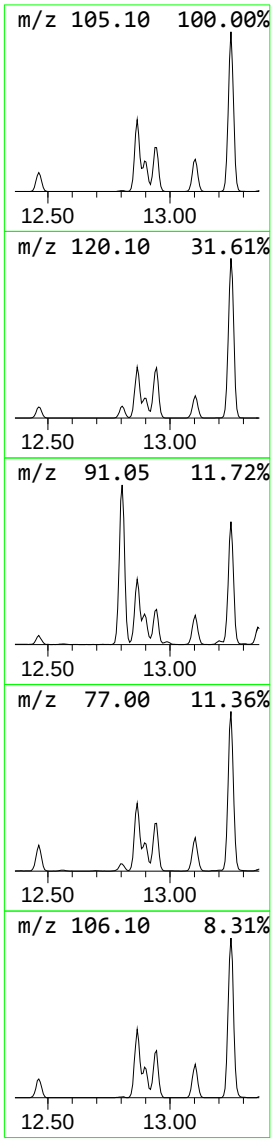
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	42.34 ug/L	766950	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	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

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

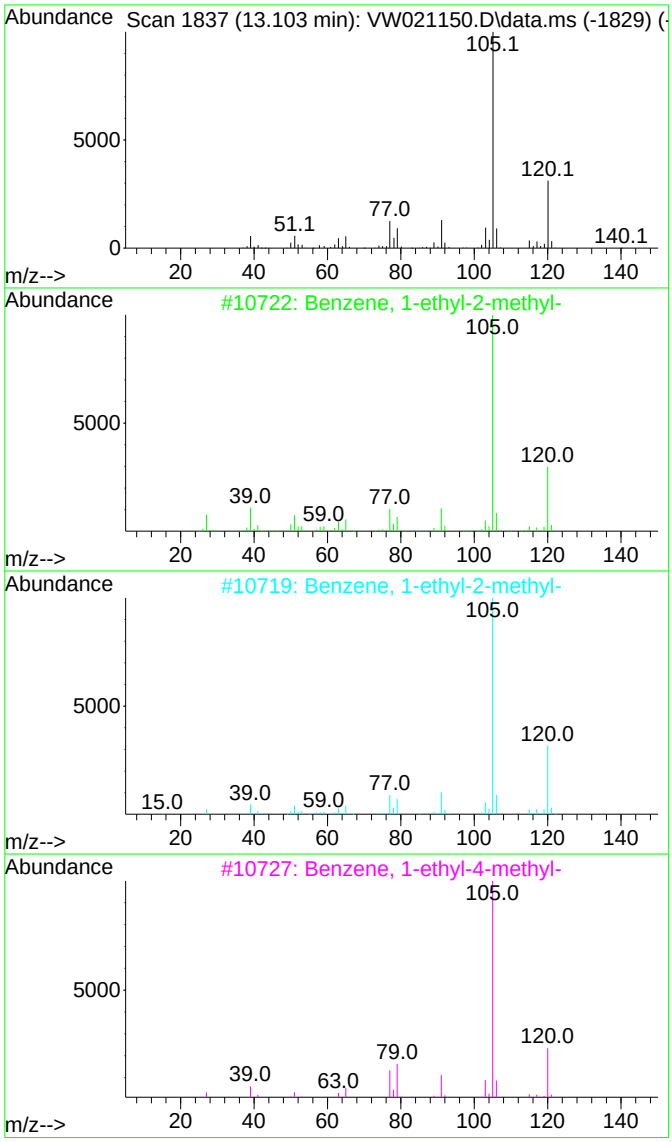
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

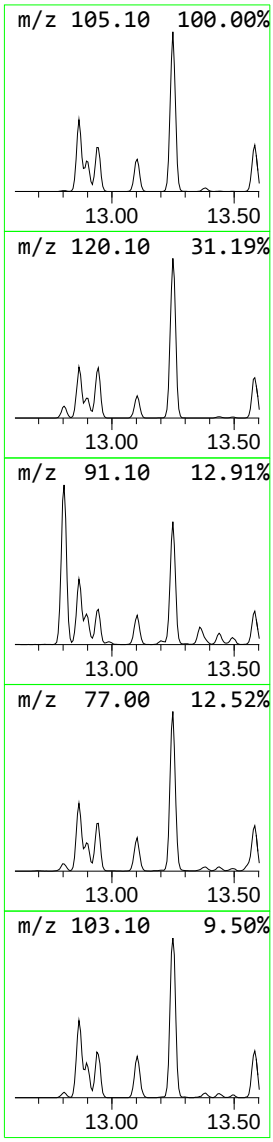
****

Peak Number 21 Benzene, 1-ethyl-4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	20.66 ug/L	374174	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-ethyl-4-methyl-	120	C9H12	000622-96-8	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

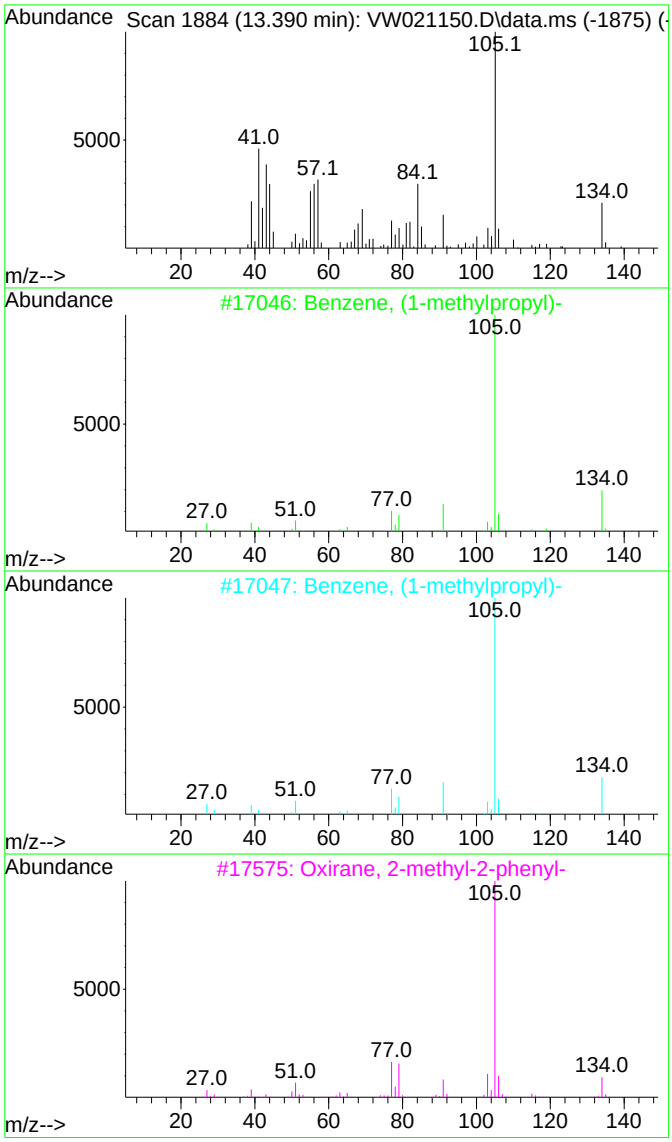
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

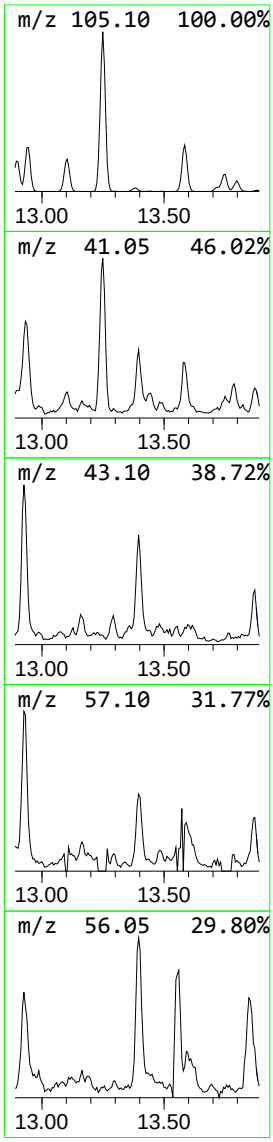
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzene, (1-methylpropyl)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.390	5.89 ug/L	106746	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	83
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	46
3	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	46
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	46
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

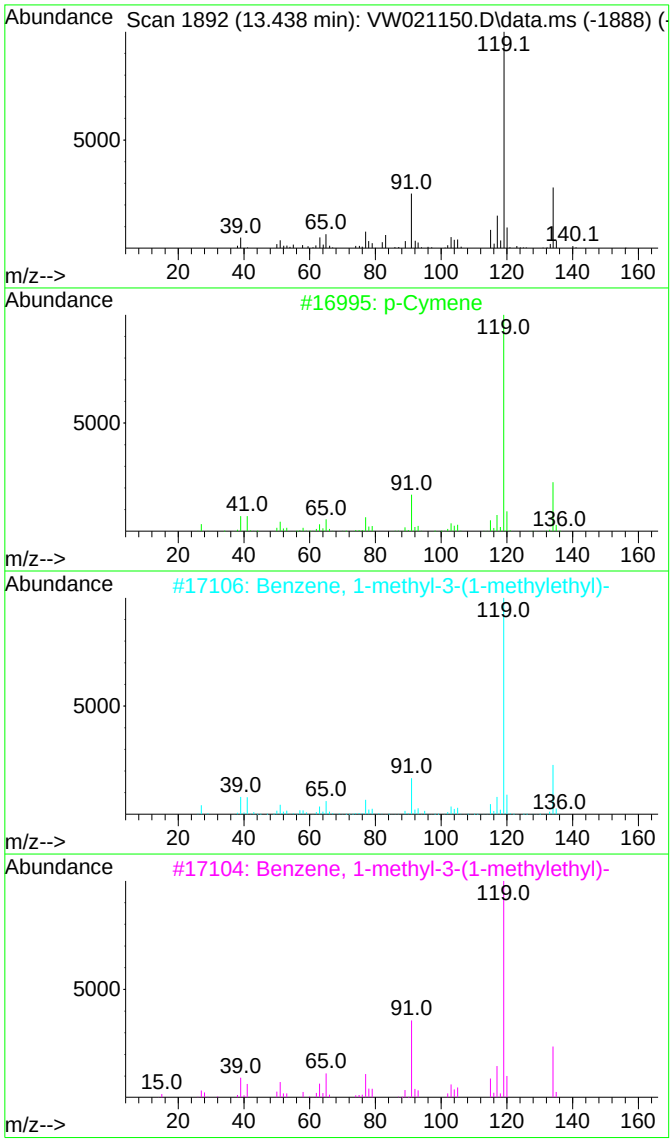
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

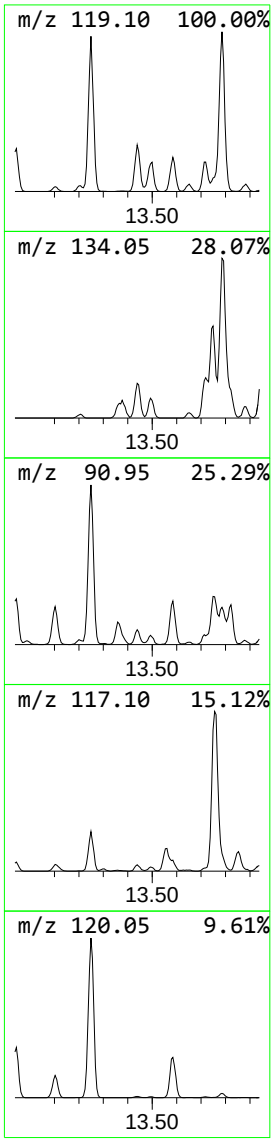
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 p-Cymene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.438	3.42 ug/L	62030	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	97
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	p-Cymene	134	C10H14	000099-87-6	95
5	o-Cymene	134	C10H14	000527-84-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

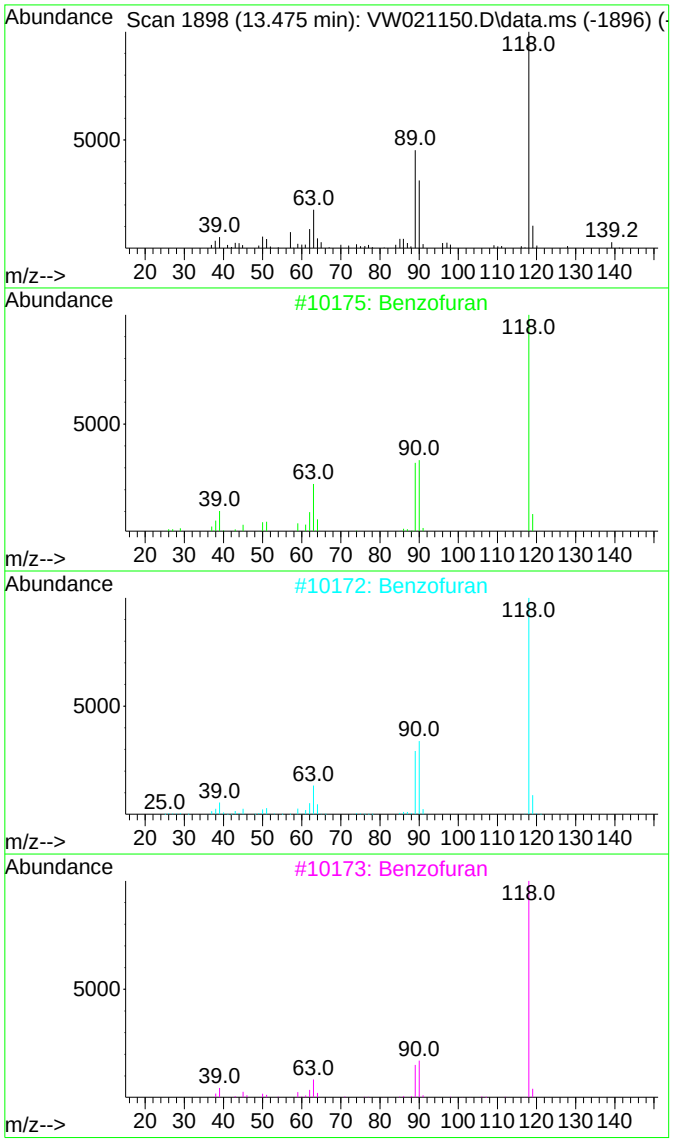
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

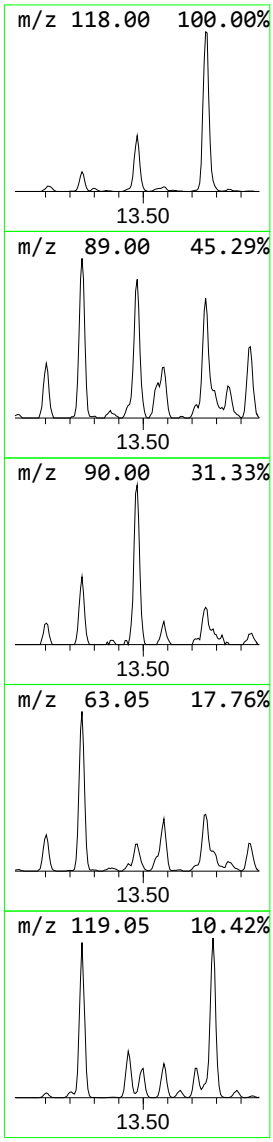
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 2H-Cyclopenta[d]pyridazine Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.475	4.83 ug/L	87554	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	83
2	Benzofuran	118	C8H6O	000271-89-6	72
3	Benzofuran	118	C8H6O	000271-89-6	59
4	2H-Cyclopenta[d]pyridazine	118	C7H6N2	000270-64-4	52
5	Benzonitrile, 4-amino-	118	C7H6N2	000873-74-5	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

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

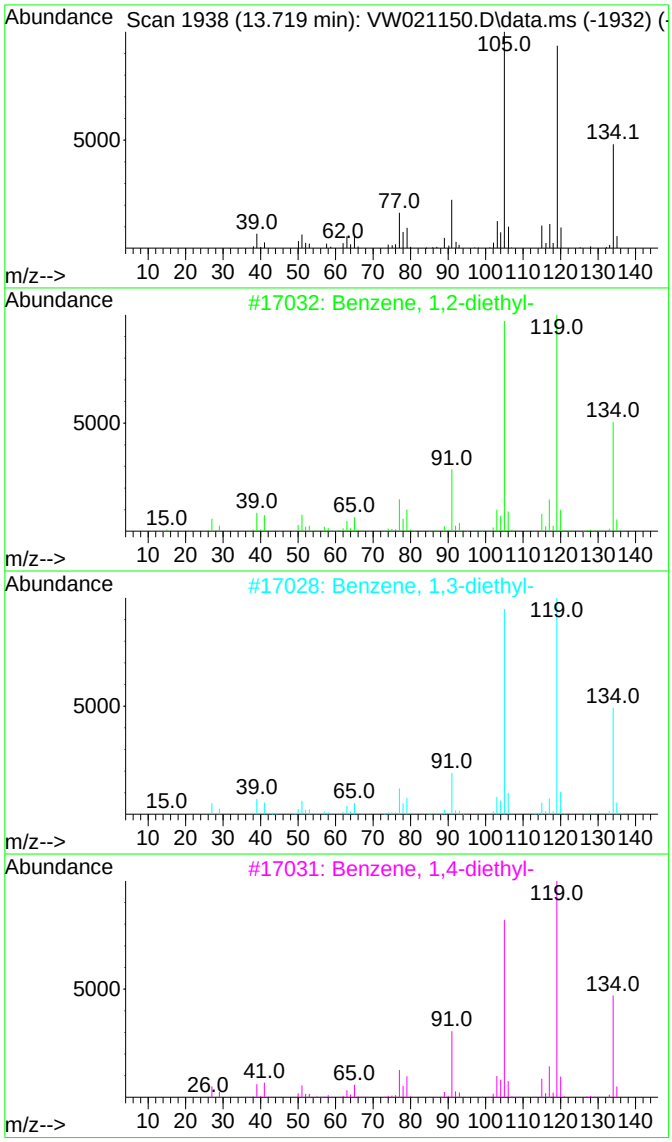
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

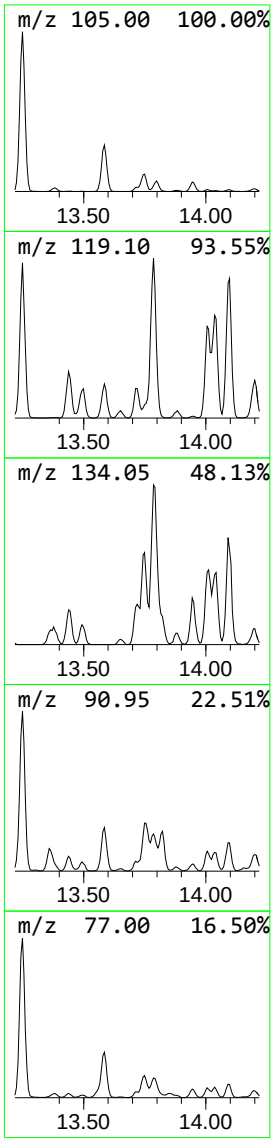
****

Peak Number 25 Benzene, 1,2-diethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.719	4.05 ug/L	73440	1,4-Dichlorobenzene-d4	13.560

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

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

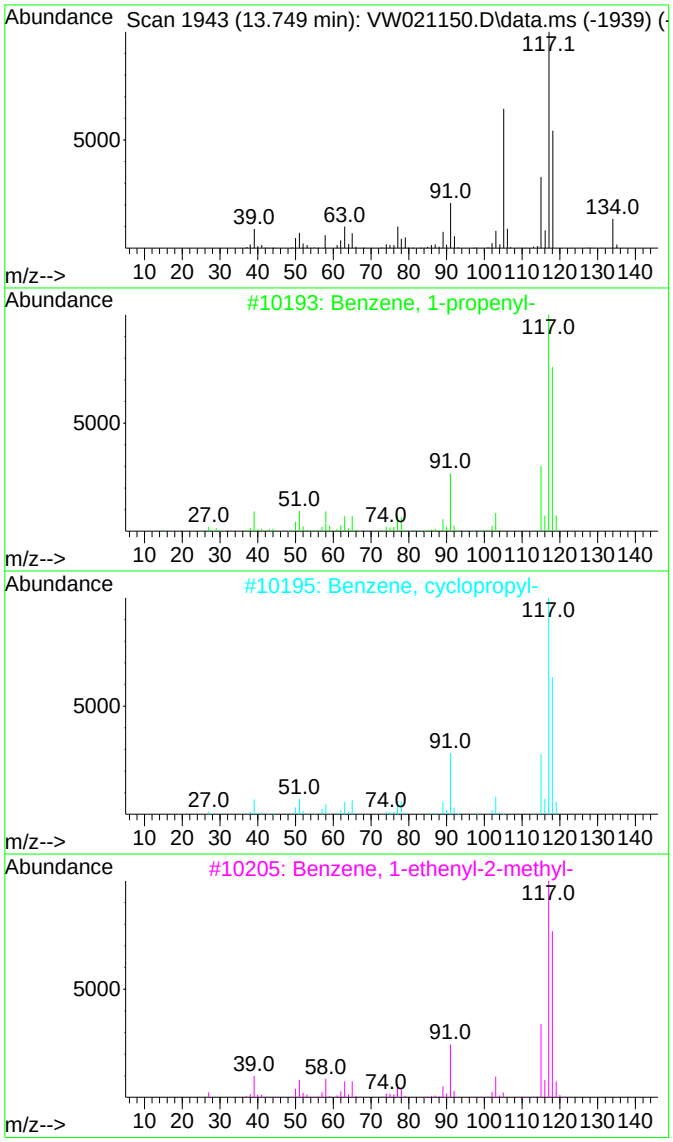
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

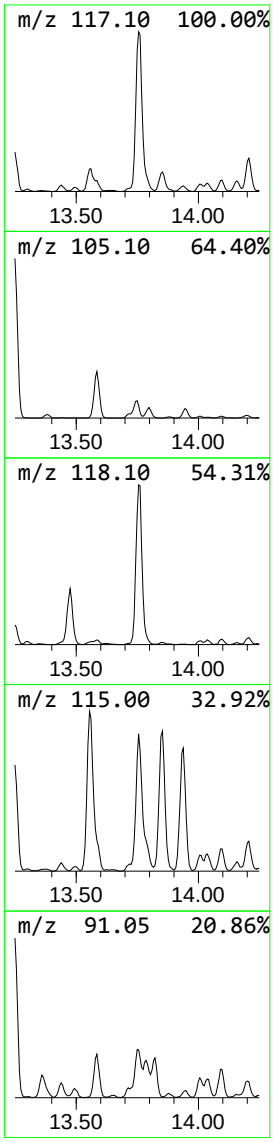
****

Peak Number 26 Benzene, 1-propenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.749	22.96 ug/L	415925	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	76
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	76
4	Indane	118	C9H10	000496-11-7	70
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

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

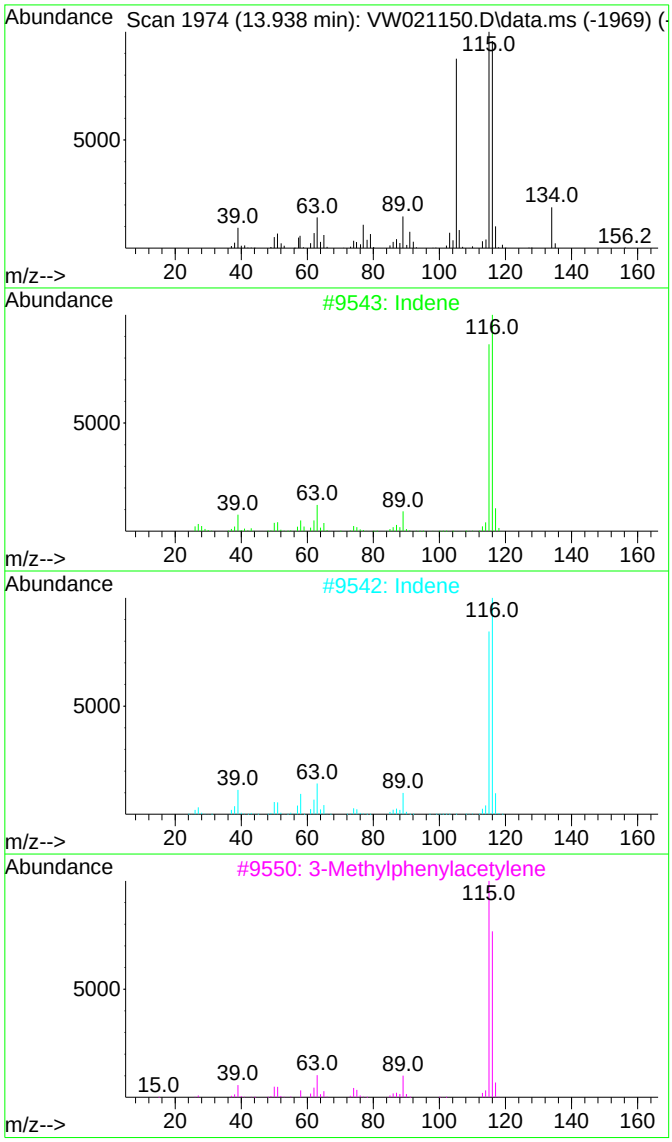
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

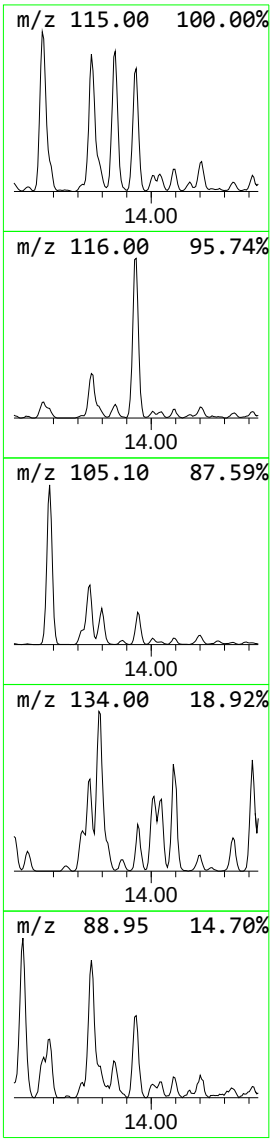
****

Peak Number 27 Indene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.938	10.13 ug/L	183562	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Indene	116	C9H8	000095-13-6	90
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	81
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	81
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

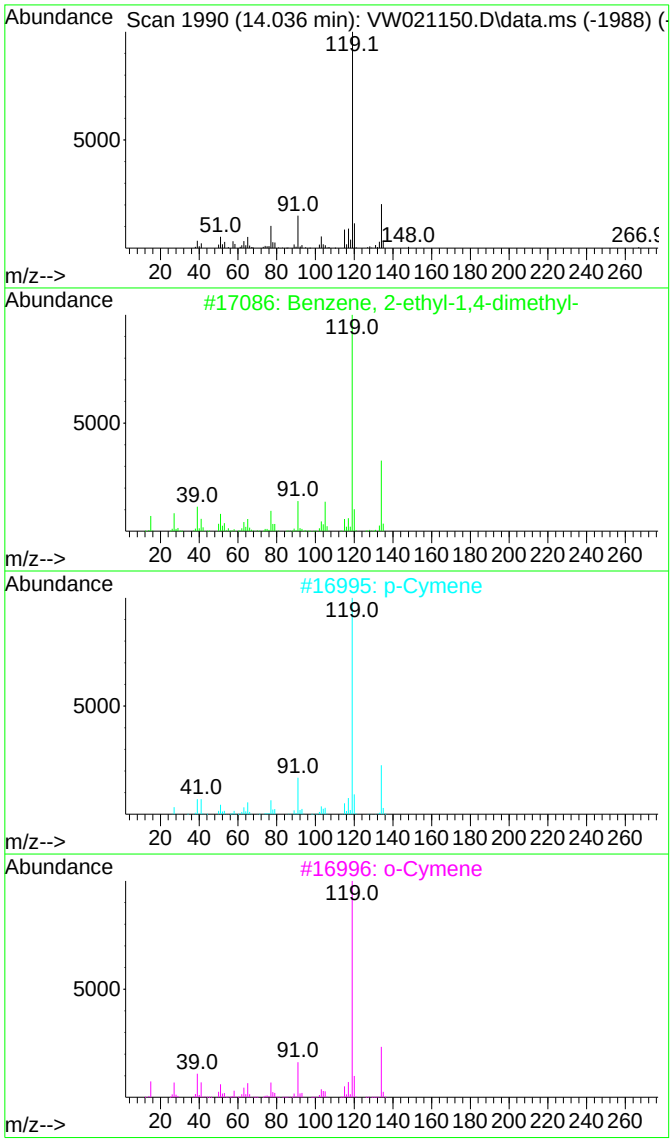
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

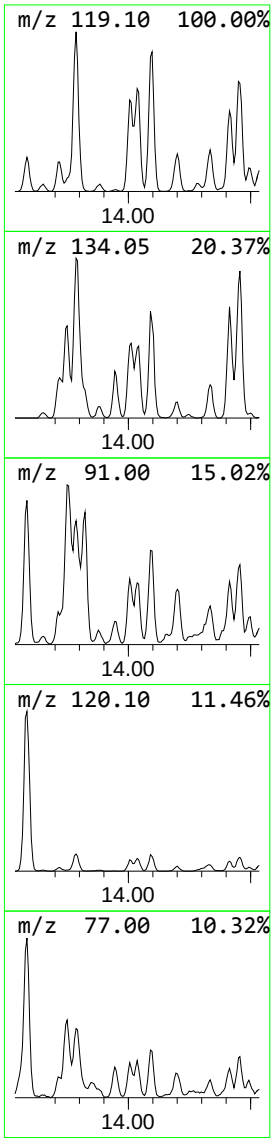
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Benzene, 1-methyl-3-(1-meth... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.036	6.83 ug/L	123660	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	91
2	p-Cymene	134	C10H14	000099-87-6	91
3	o-Cymene	134	C10H14	000527-84-4	91
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

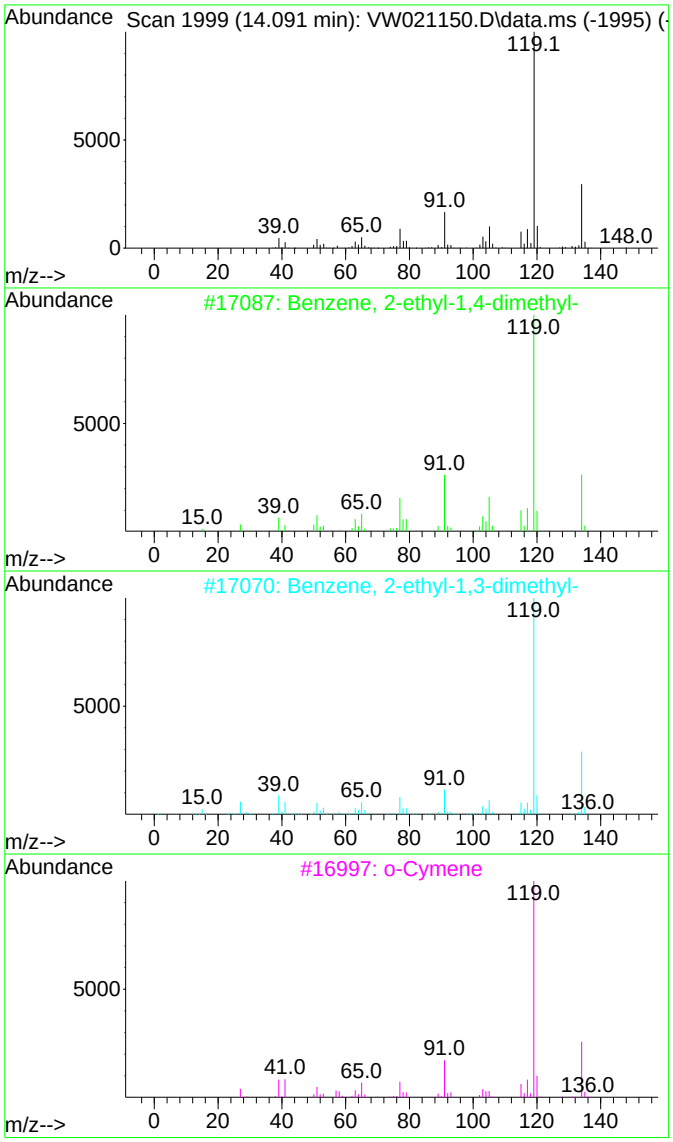
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

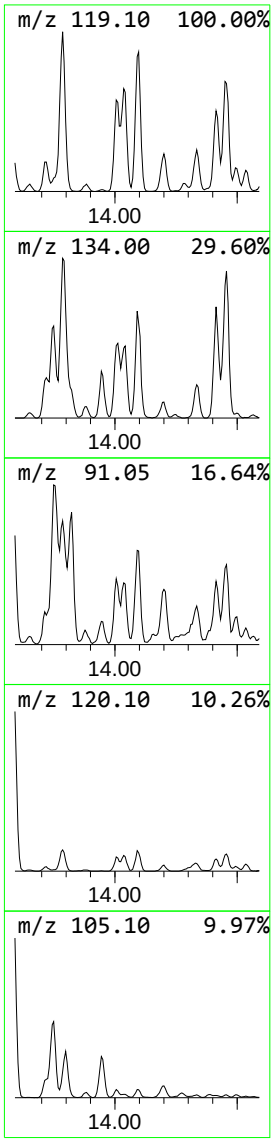
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.091	11.27 ug/L	204154	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

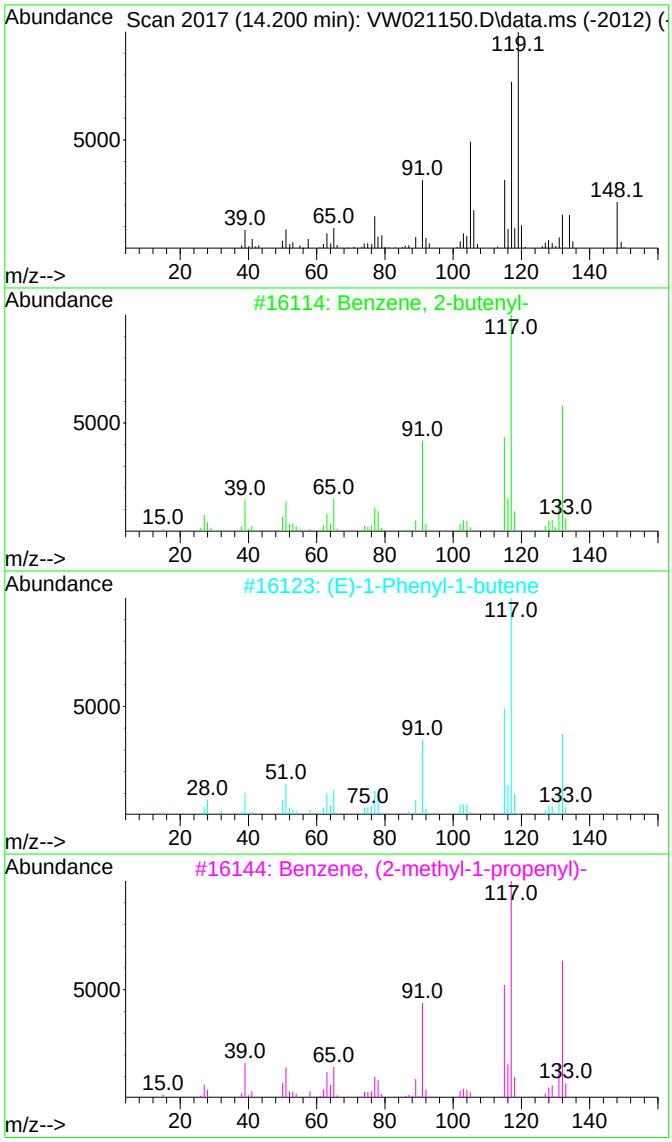
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

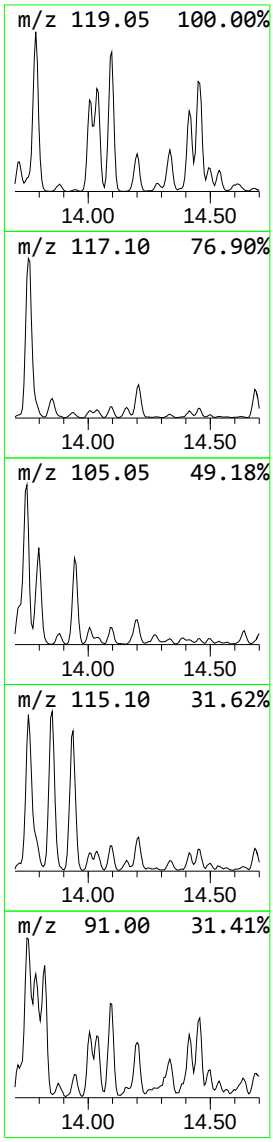
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Benzene, 2-butenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.200	6.97 ug/L	126307	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	86
2	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	86
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	64
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

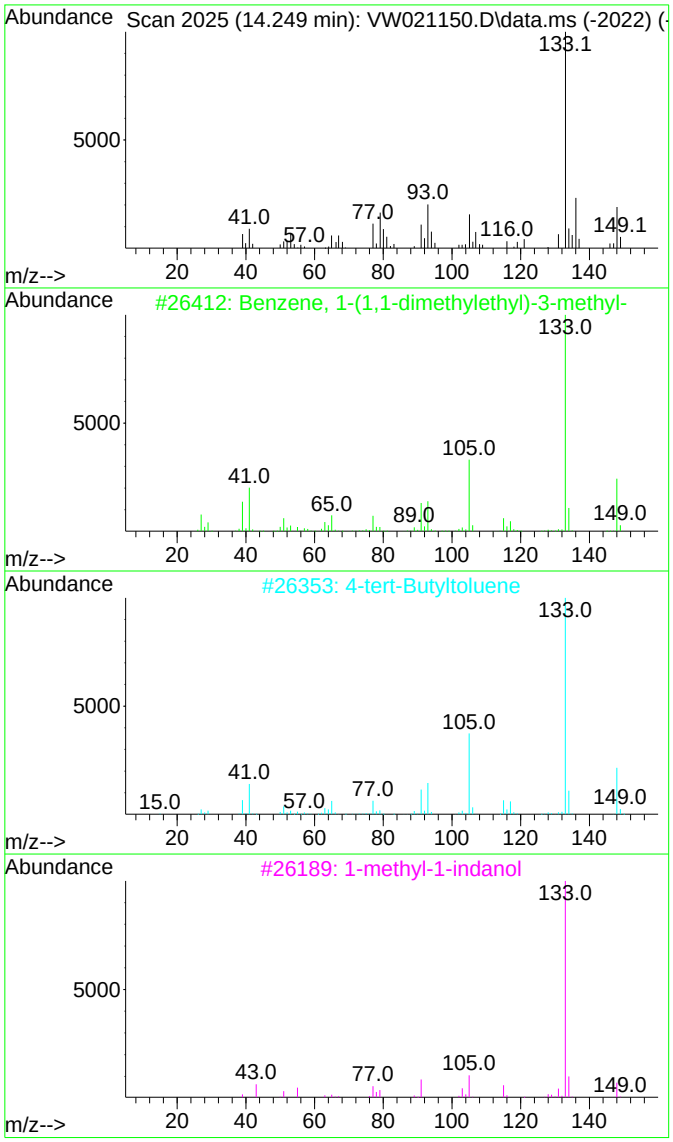
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

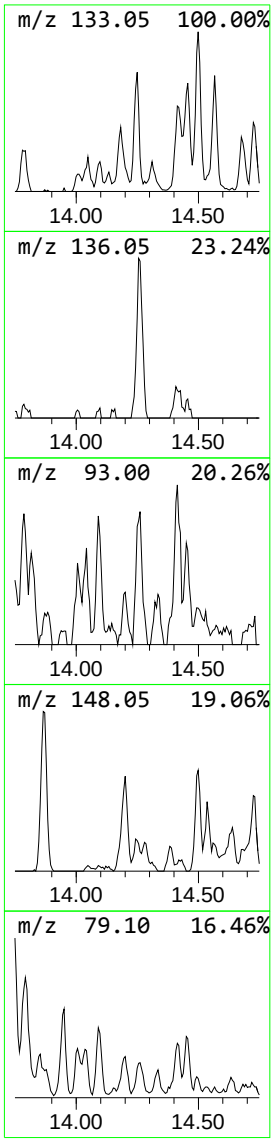
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Benzene, 1-(1,1-dimethyleth... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.249	1.60 ug/L	29058	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	58
2	4-tert-Butyltoluene	148	C11H16	000098-51-1	53
3	1-methyl-1-indanol	148	C10H12O	064666-42-8	52
4	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	52
5	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

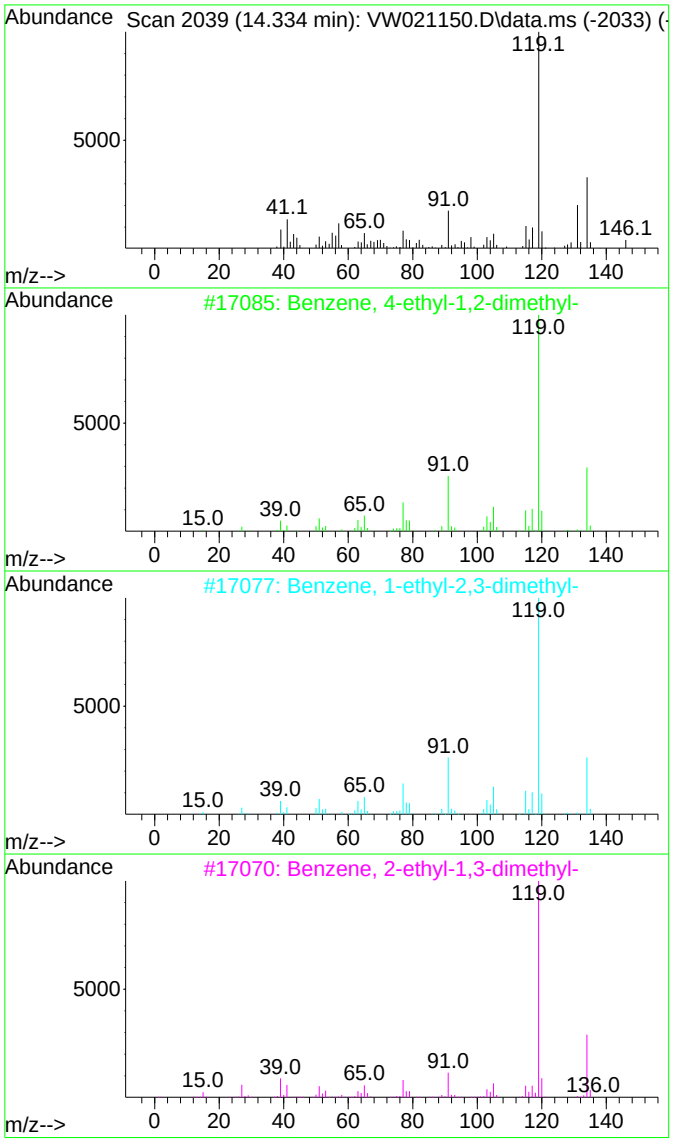
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

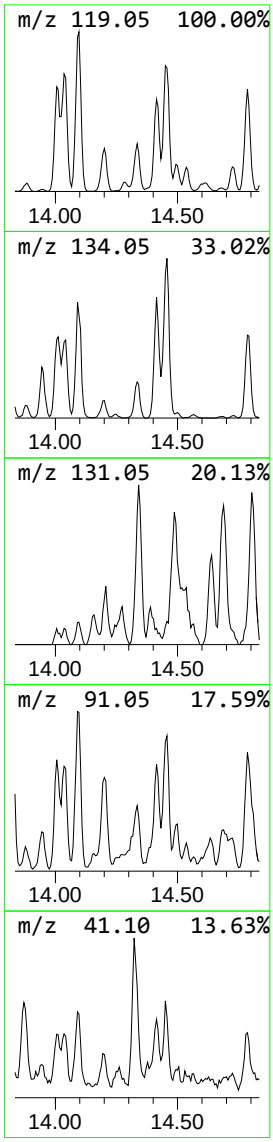
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.335	6.15 ug/L	111329	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	93
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	81
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

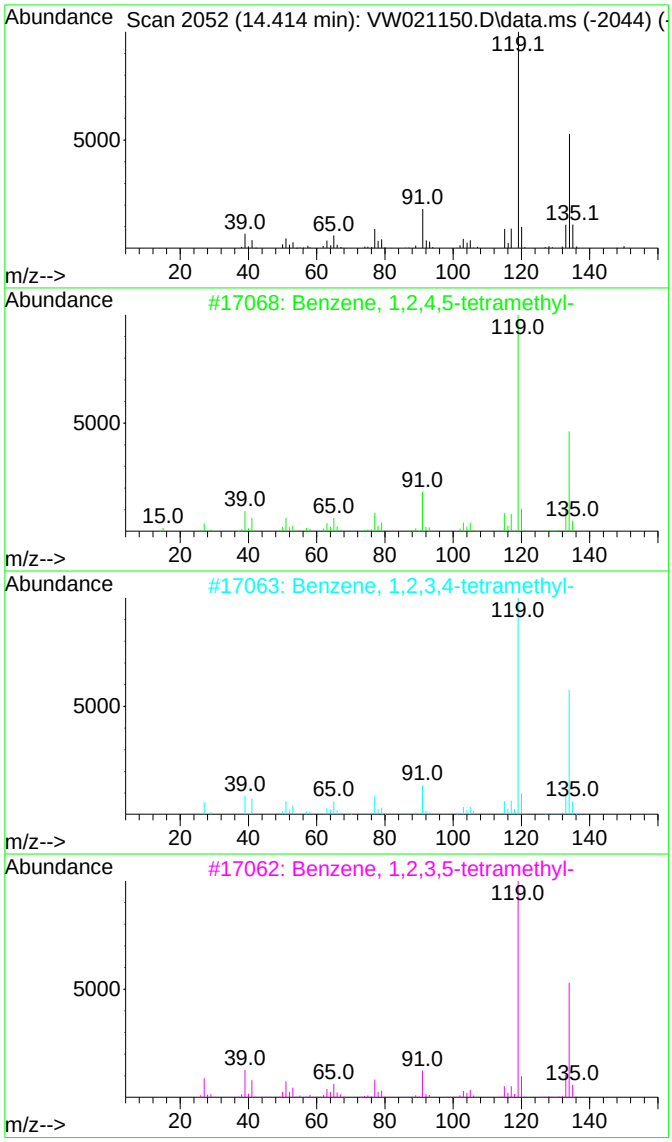
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

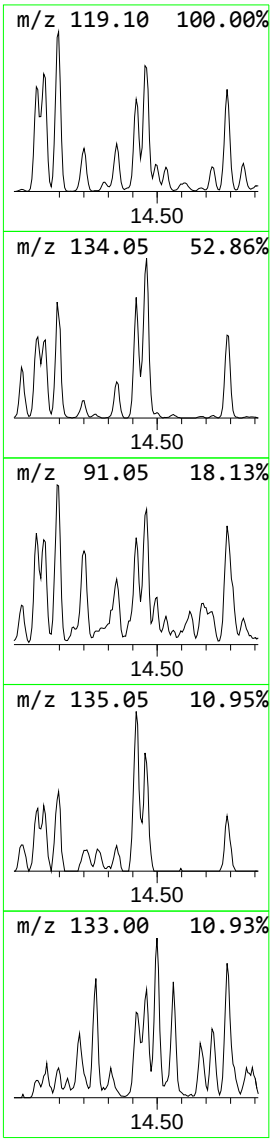
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.414	8.59 ug/L	155524	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

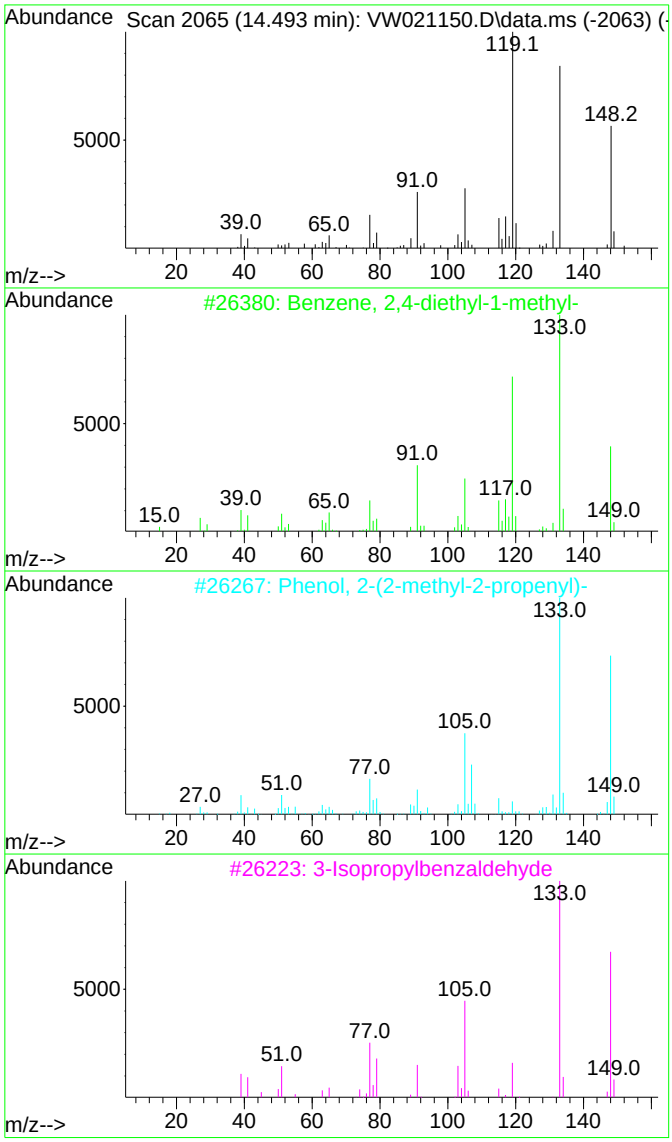
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

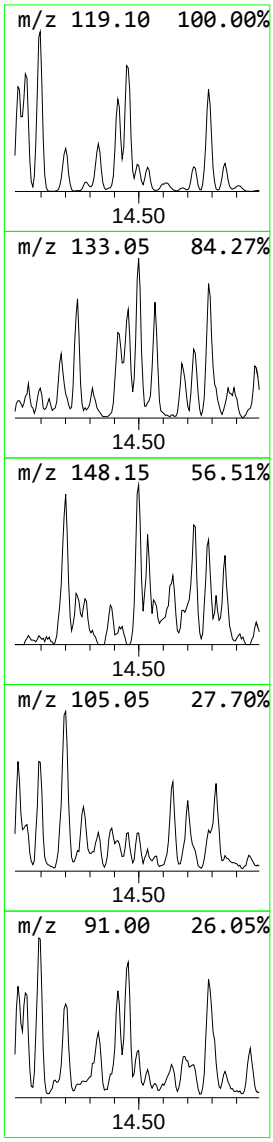
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.493	2.43 ug/L	44036	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	64
2	Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	53
3	3-Isopropylbenzaldehyde	148	C10H12O	034246-57-6	49
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	49
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

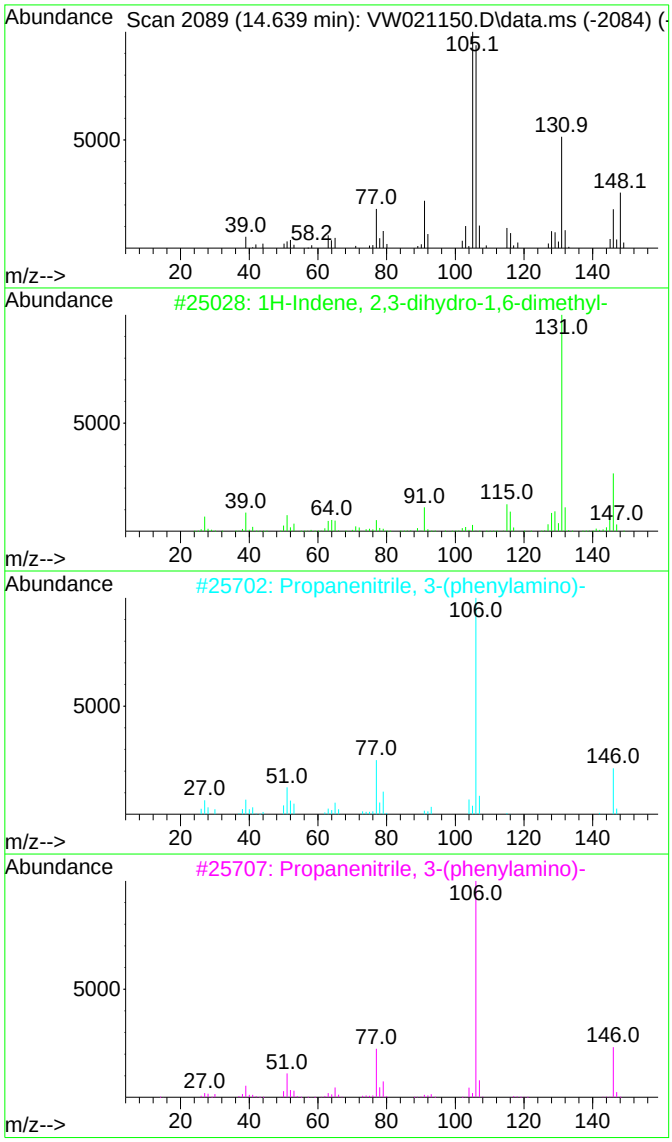
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

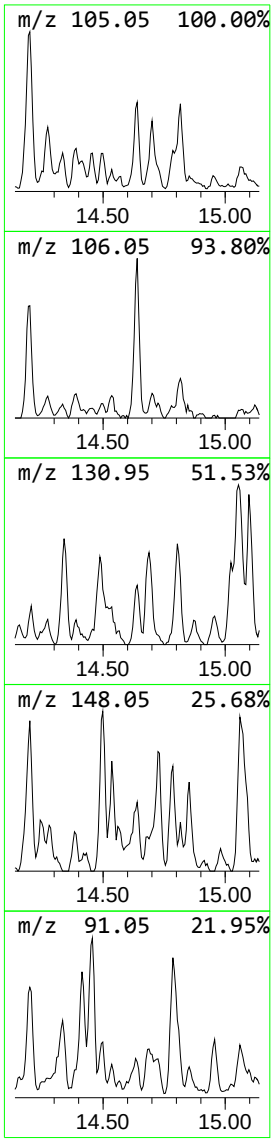
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.639	1.63 ug/L	29570	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	60
2	Propanenitrile, 3-(phenylamino)-	146	C9H10N2	001075-76-9	43
3	Propanenitrile, 3-(phenylamino)-	146	C9H10N2	001075-76-9	43
4	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	38
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

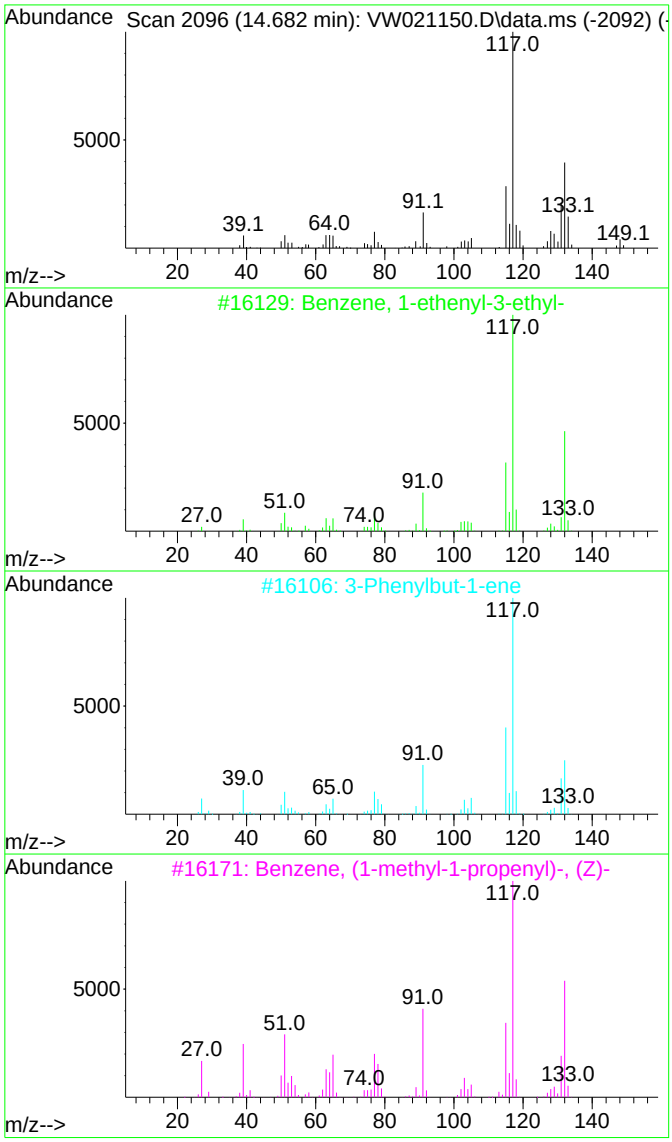
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

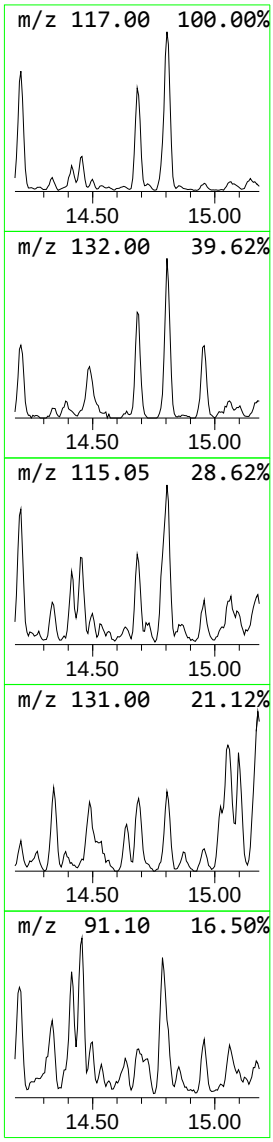
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.682	3.88 ug/L	70283	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	93
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	86
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	83
5	Indan, 1-methyl-	132	C10H12	000767-58-8	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

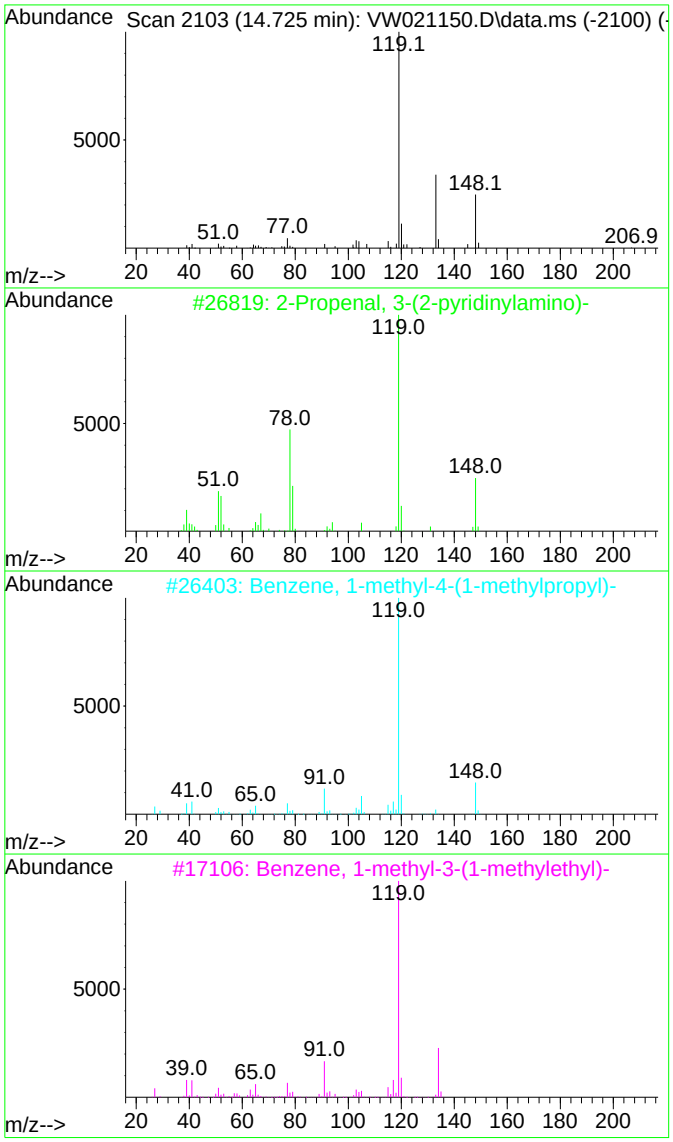
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

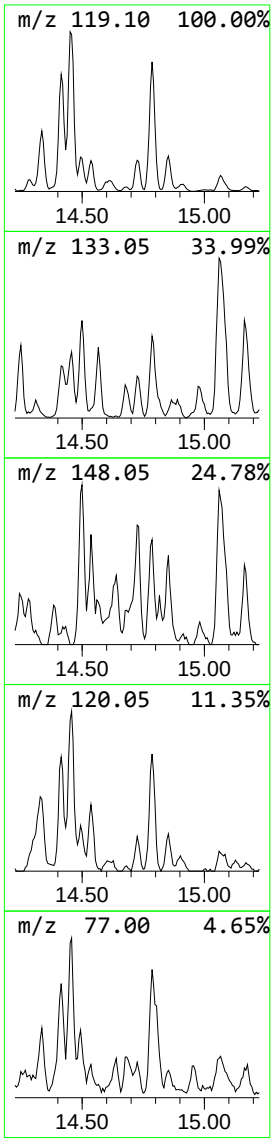
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 2-Propenal, 3-(2-pyridinyla... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.725	2.19 ug/L	39674	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	59
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	59
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	52
4	3,5-Dimethylbenzylpentylamine	205	C14H23N	1000491-60-8	50
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

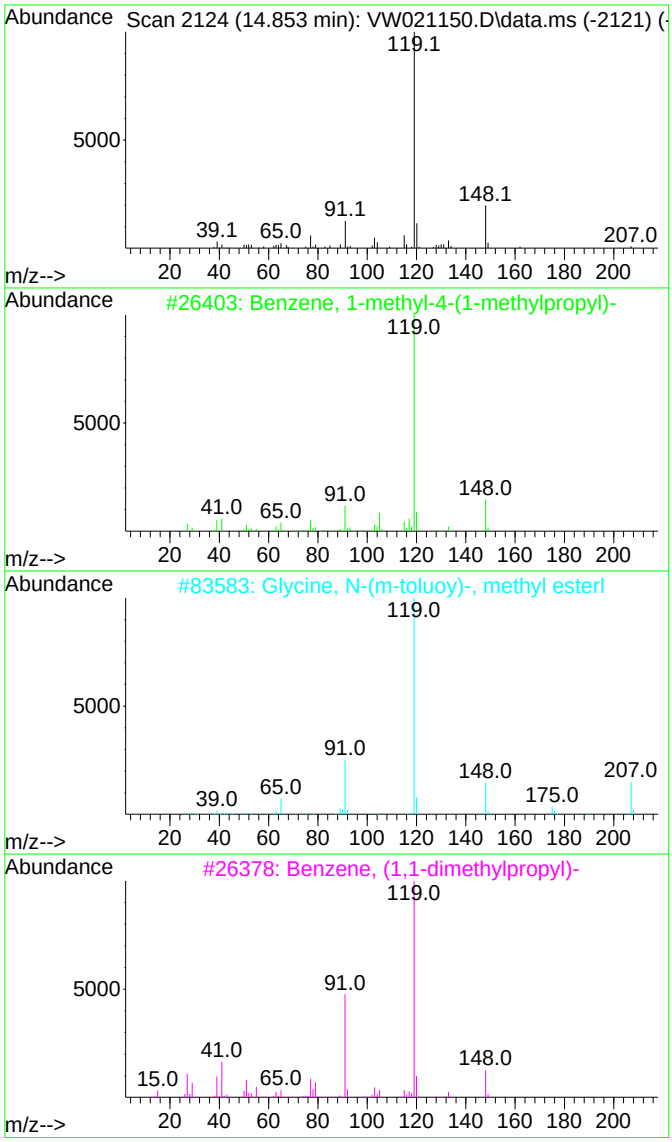
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

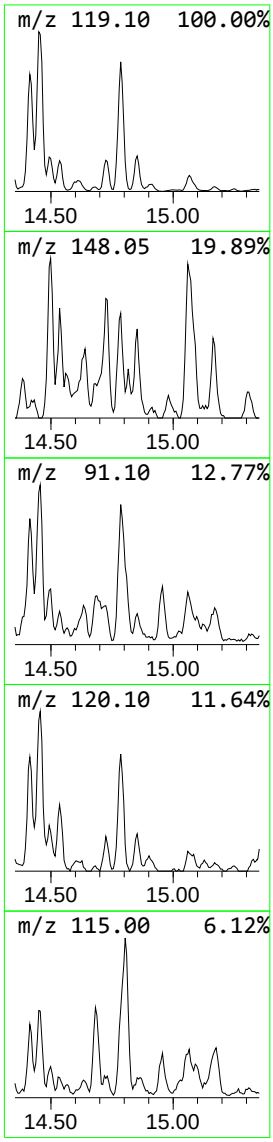
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 Benzene, 1-methyl-4-(1-meth... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.853	2.21 ug/L	40048	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	91
2	Glycine, N-(m-toluoy)-, methyl e...	207	C11H13NO3	1000299-63-8	72
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
4	2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	64
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

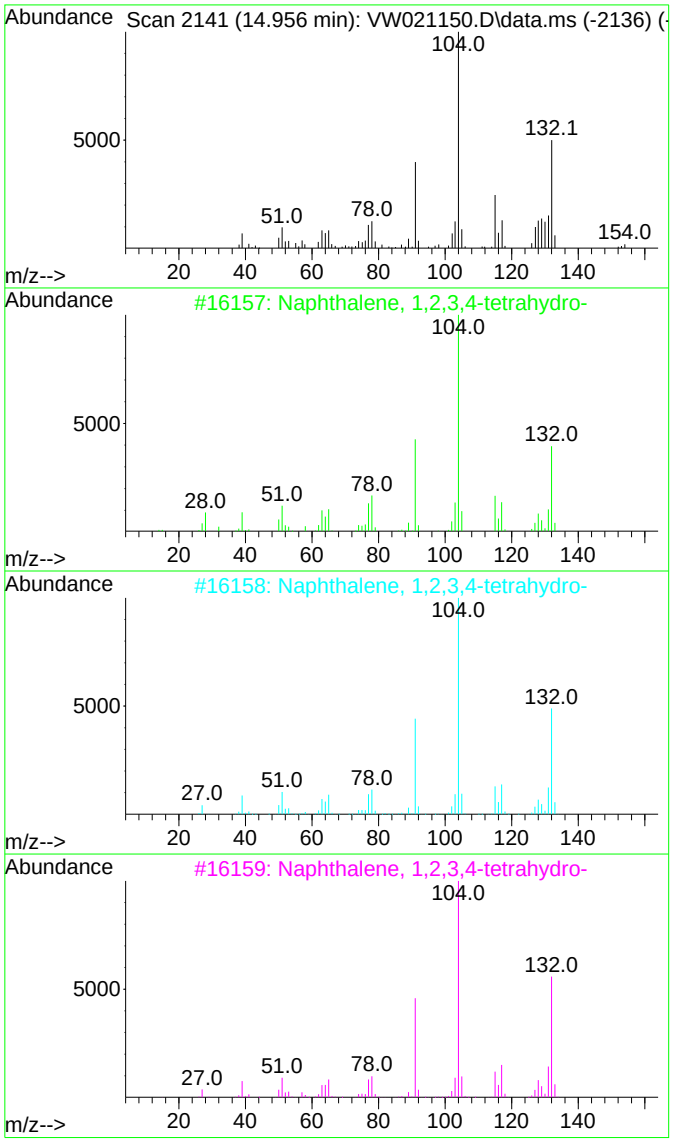
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

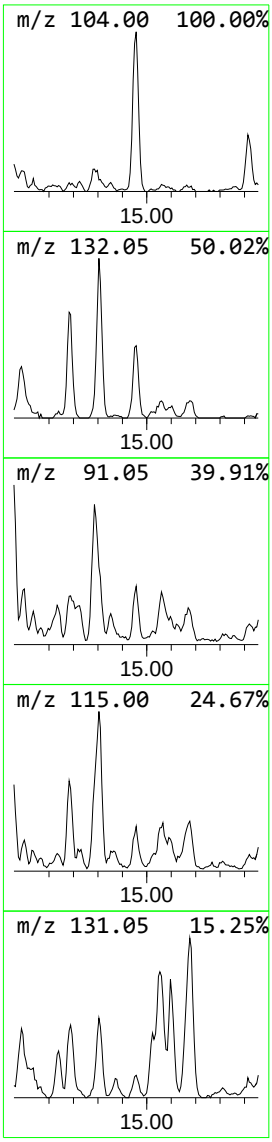
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.956	2.80 ug/L	50798	1,4-Dichlorobenzene-d4	13.560

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

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

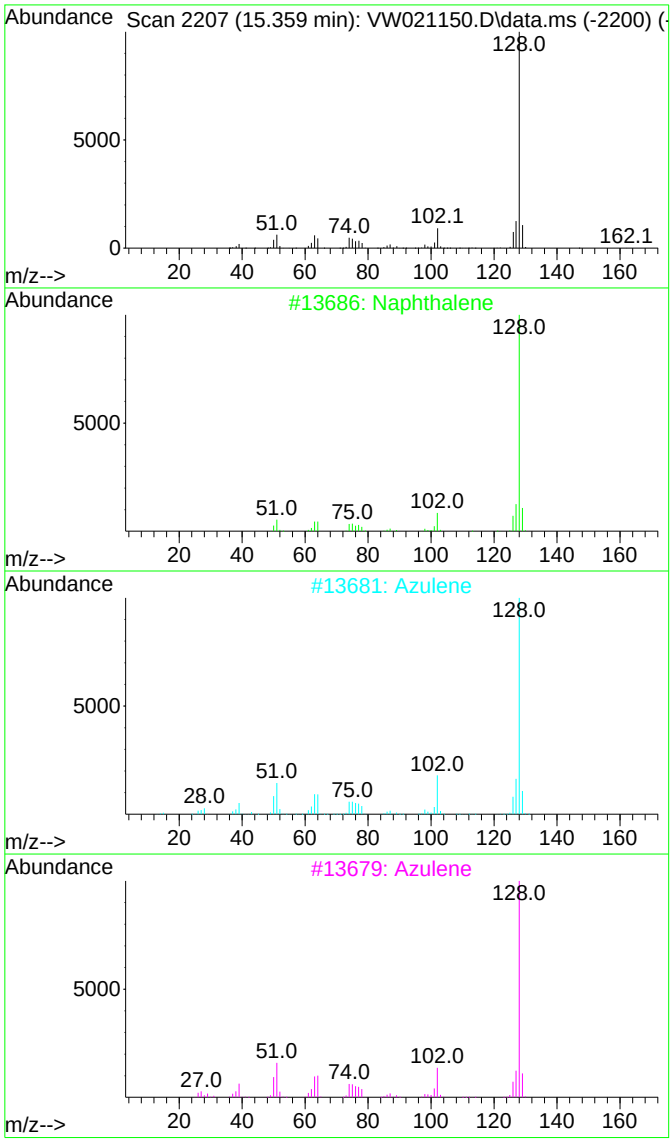
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

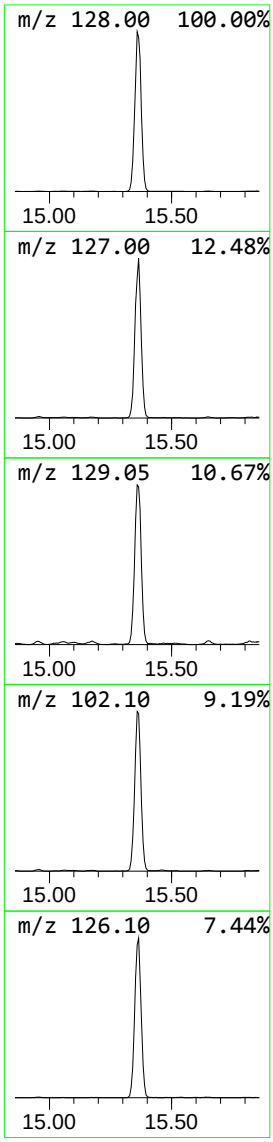
****

Peak Number 44 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.359	88.61 ug/L	1604930	1,4-Dichlorobenzene-d4	13.560

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
Data File : VW021150.D
Acq On : 05 Dec 2021 05:25
Operator : SY/VA
Sample : M4868-02
Misc : 6.83g/10.0mL/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Acetaldehyde	2.507	3.8	ug/L	42380	1	8.842	277017	25.0
Ethyl ether	3.690	13.3	ug/L	146936	1	8.842	277017	25.0
Propanal, 2-met...	5.799	1.4	ug/L	15633	1	8.842	277017	25.0
(DEL) Alkane: S...	5.940	1.6	ug/L	17385	1	8.842	277017	25.0
Butanal	6.897	1.8	ug/L	20017	1	8.842	277017	25.0
CH3C(O)CH2CH2OH	7.263	2.7	ug/L	29967	1	8.842	277017	25.0
(DEL) Alkane: S...	7.927	1.5	ug/L	16999	1	8.842	277017	25.0
(DEL) Alkane: S...	8.159	1.6	ug/L	17266	1	8.842	277017	25.0
(DEL) Alkane: S...	8.701	2.3	ug/L	25116	1	8.842	277017	25.0
(DEL) Alkane: S...	9.079	1.6	ug/L	17356	1	8.842	277017	25.0
Pentanal	9.409	1.8	ug/L	20263	1	8.842	277017	25.0
(DEL) Alkane: S...	10.097	1.3	ug/L	14814	1	8.842	277017	25.0
(DEL) Alkane: S...	10.506	1.6	ug/L	23370	2	11.634	376069	25.0
Hexanal	11.073	1.6	ug/L	24243	2	11.634	376069	25.0
(DEL) Alkane: S...	11.408	1.8	ug/L	26861	2	11.634	376069	25.0
unknown-01	12.341	5.6	ug/L	83585	2	11.634	376069	25.0
Benzene, propyl-	12.804	11.0	ug/L	199303	3	13.560	452803	25.0
Benzene, 1-ethy...	12.865	42.3	ug/L	766950	3	13.560	452803	25.0
Benzene, 1-ethy...	13.103	20.7	ug/L	374174	3	13.560	452803	25.0
Benzene, (1-met...	13.390	5.9	ug/L	106746	3	13.560	452803	25.0
p-Cymene	13.438	3.4	ug/L	62030	3	13.560	452803	25.0
2H-Cyclopenta[d...	13.475	4.8	ug/L	87554	3	13.560	452803	25.0
Benzene, 1,2-di...	13.719	4.0	ug/L	73440	3	13.560	452803	25.0
Benzene, 1-prop...	13.749	23.0	ug/L	415925	3	13.560	452803	25.0
Indene	13.938	10.1	ug/L	183562	3	13.560	452803	25.0
Benzene, 1-meth...	14.036	6.8	ug/L	123660	3	13.560	452803	25.0
Benzene, 2-ethy...	14.091	11.3	ug/L	204154	3	13.560	452803	25.0
Benzene, 2-bute...	14.200	7.0	ug/L	126307	3	13.560	452803	25.0
Benzene, 1-(1,1...	14.249	1.6	ug/L	29058	3	13.560	452803	25.0
Benzene, 4-ethy...	14.335	6.2	ug/L	111329	3	13.560	452803	25.0
Benzene, 1,2,4,...	14.414	8.6	ug/L	155524	3	13.560	452803	25.0
Benzene, 2,4-di...	14.493	2.4	ug/L	44036	3	13.560	452803	25.0
1H-Indene, 2,3-...	14.639	1.6	ug/L	29570	3	13.560	452803	25.0
Benzene, 1-ethe...	14.682	3.9	ug/L	70283	3	13.560	452803	25.0
2-Propenal, 3-(...	14.725	2.2	ug/L	39674	3	13.560	452803	25.0
Benzene, 1-meth...	14.853	2.2	ug/L	40048	3	13.560	452803	25.0
Naphthalene, 1,...	14.956	2.8	ug/L	50798	3	13.560	452803	25.0
Azulene	15.359	88.6	ug/L	1604930	3	13.560	452803	25.0