LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 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\SFAMWLM111521SMA.M
Title : SFAM01.0

Signal : TIC: VW021000.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.343	62	72	84	rVB3	34619	62454	0.51%	0.177%
2	2.520	92	101	116	rBV2	5432	21845	0.18%	0.062%
3	2.879	154	160	169	rVV	16469	34259	0.28%	0.097%
4	3.678	281	291	306	rBV	133130	316958	2.58%	0.899%
5	3.995	332	343	355	rBV	53644	153040	1.25%	0.434%
6	4.190	364	375	392	rBV2	6786	30575	0.25%	0.087%
7	4.897	481	491	511	rVB6	8493	37805	0.31%	0.107%
8	5.403	563	574	586	rVB4	5245	16517	0.13%	0.047%
9	5.915	649	658	668	rVB3	6278	18133	0.15%	0.051%
10	7.159	846	862	874	rBV	232764	632582	5.15%	1.793%
11	7.269	874	880	903	rVB2	11872	34358	0.28%	0.097%
12	7.647	932	942	954	rVB	57584	140014	1.14%	0.397%
13	7.909	976	985	996	rBV3	6403	18137	0.15%	0.051%
14	8.147	1016	1024	1031	rBV2	7252	16792	0.14%	0.048%
15	8.269	1031	1044	1048	rBV	101998	248198	2.02%	0.704%
16	8.311	1048	1051	1060	rVB3	105762	225812	1.84%	0.640%
17	8.683	1106	1112	1128	rVB	10788	25423	0.21%	0.072%
18	8.842	1129	1138	1149	rBV	191362	378942	3.09%	1.074%
19	9.067	1168	1175	1182	rBV2	6963	16215	0.13%	0.046%
20	9.274	1200	1209	1216	rBV	69979	153918	1.25%	0.436%
21	9.951	1315	1320	1328	rVV3	7133	16941	0.14%	0.048%
22	10.037	1328	1334	1339	rVV	37483	68182	0.56%	0.193%
23	10.091	1339	1343	1356	rVB2	8339	18124	0.15%	0.051%
24	10.213	1356	1363	1373	rBV	10537	22058	0.18%	0.063%
25	10.323	1373	1381	1386	rBV	162453	293869	2.39%	0.833%
26	10.384	1386	1391	1403	rVB	293453	511939	4.17%	1.451%
27	10.500	1403	1410	1416	rVB2	16409	28417	0.23%	0.081%
28	10.579	1416	1423	1431	rBV	24722	43234	0.35%	0.123%
29	10.927	1472	1480	1487	rBV	31198	57611	0.47%	0.163%
30	11.073	1500	1504	1508	rVV2	7985	14494	0.12%	0.041%
31	11.177	1517	1521	1525	rVV2	8409	15884	0.13%	0.045%
32	11.225	1525	1529	1533	rVV	6988	12925	0.11%	0.037%
33	11.335	1543	1547	1551	rVV3	6711	12042	0.10%	0.034%
34	11.408	1551	1559	1570	rVB3	19392	52643	0.43%	0.149%
35	11.512	1570	1576	1582	rBV	16512	29399	0.24%	0.083%
36	11.628	1587	1595	1604	rBV	262995	472062	3.84%	1.338%

LSC Area Percent Report

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Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 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\SFAMWLM111521SMA.M
Title : SFAM01.0

37	11.731	1604	1612	1621	rBV	2180759	3548588	28.90%	10.060%
38	11.835	1621	1629	1640	rBV	7303297	12279838	100.00%	34.812%
39	11.914	1640	1642	1647	rVB2	9141	12255	0.10%	0.035%
40	12.054	1658	1665	1670	rVB5	5646	12062	0.10%	0.034%
41	12.164	1671	1683	1691	rBV	2013425	3210635	26.15%	9.102%
42	12.250	1691	1697	1701	rVB2	15725	28941	0.24%	0.082%
43	12.335	1701	1711	1716	rBV3	27892	78736	0.64%	0.223%
44	12.384	1716	1719	1726	rVB2	18225	26164	0.21%	0.074%
45	12.463	1726	1732	1737	rBV	115604	183937	1.50%	0.521%
46	12.542	1742	1745	1746	rVV	13219	17947	0.15%	0.051%
47	12.560	1746	1748	1753	rVB3	19222	26242	0.21%	0.074%
48	12.646	1759	1762	1765	rBV2	9094	10866	0.09%	0.031%
49	12.695	1765	1770	1775	rVB	53574	84911	0.69%	0.241%
50	12.798	1775	1787	1792	rBV	116142	205838	1.68%	0.584%
51	12.865	1792	1798	1801	rBV	443884	695223	5.66%	1.971%
52	12.896	1801	1803	1806	rVV	196532	278266	2.27%	0.789%
53	12.938	1806	1810	1816	rVV	359804	608545	4.96%	1.725%
54	12.987	1816	1818	1824	rVB3	15647	21454	0.17%	0.061%
55	13.103	1829	1837	1843	rBV	205633	346046	2.82%	0.981%
56	13.164	1843	1847	1850	rBV3	11868	17312	0.14%	0.049%
57	13.249	1855	1861	1867	rBV	1087287	1641959	13.37%	4.655%
58	13.384	1874	1883	1888	rBV4	27672	78174	0.64%	0.222%
59	13.438	1888	1892	1896	rVV2	56139	106170	0.86%	0.301%
60	13.481	1896	1899	1905	rVV2	39769	86222	0.70%	0.244%
61	13.554	1905	1911	1913	rVV	296773	458111	3.73%	1.299%
62	13.585	1913	1916	1925	rVB	314648	483259	3.94%	1.370%
63	13.719	1932	1938	1939	rBV2	45934	67424	0.55%	0.191%
64	13.749	1939	1943	1947	rVV2	275563	517846	4.22%	1.468%
65	13.786	1947	1949	1956	rVV3	178812	317999	2.59%	0.901%
66	13.853	1956	1960	1968	rVB2	173090	377774	3.08%	1.071%
67	13.938	1968	1974	1980	rVB2	107858	189157	1.54%	0.536%
68	14.005	1980	1985	1988	rBV	85249	141433	1.15%	0.401%
69	14.036	1988	1990	1995	rVV	90635	115346	0.94%	0.327%
70	14.091	1995	1999	2005	rVB	130672	201634	1.64%	0.572%
71	14.158	2005	2010	2012	rBV	10609	17122	0.14%	0.049%
72	14.200	2012	2017	2022	rVB2	78011	127706	1.04%	0.362%
73	14.255	2022	2026	2033	rBV5	12002	32456	0.26%	0.092%
74	14.335	2033	2039	2044	rVB2	50493	82967	0.68%	0.235%
75	14.414	2044	2052	2055	rBV	87098	155281	1.26%	0.440%
76	14.450	2055	2058	2062	rVV	107729	158754	1.29%	0.450%

LSC Area Percent Report

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Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 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\SFAMWLM111521SMA.M
Title : SFAM01.0

77	14.493	2062	2065	2069	rVV3	35122	49389	0.40%	0.140%
78	14.536	2069	2072	2075	rVB	20645	22866	0.19%	0.065%
79	14.633	2084	2088	2092	rVB2	24852	39442	0.32%	0.112%
80	14.682	2092	2096	2101	rBV3	39470	79691	0.65%	0.226%
81	14.725	2101	2103	2108	rVB2	31363	40956	0.33%	0.116%
82	14.786	2108	2113	2121	rBV3	104316	253096	2.06%	0.717%
83	14.853	2121	2124	2129	rVB	21090	30564	0.25%	0.087%
84	14.956	2136	2141	2148	rBV2	25121	47060	0.38%	0.133%
85	15.060	2153	2158	2165	rVV2	54245	133902	1.09%	0.380%
86	15.127	2165	2169	2173	rVV2	81877	153606	1.25%	0.435%
87	15.170	2173	2176	2186	rVB3	44872	92842	0.76%	0.263%
88	15.359	2195	2207	2214	rBV	743123	1324476	10.79%	3.755%
89	15.462	2219	2224	2229	rBV2	26174	43835	0.36%	0.124%
90	15.548	2230	2238	2247	rVB3	41201	103290	0.84%	0.293%
91	15.651	2247	2255	2261	rBV	29993	66862	0.54%	0.190%
92	15.816	2271	2282	2285	rBV6	17643	49998	0.41%	0.142%
93	15.853	2285	2288	2295	rVB2	21068	39483	0.32%	0.112%
94	15.944	2295	2303	2308	rBV2	19260	39353	0.32%	0.112%
95	16.023	2309	2316	2321	rVB2	12263	25844	0.21%	0.073%
96	16.090	2323	2327	2332	rVB6	7204	14570	0.12%	0.041%
97	16.170	2332	2340	2350	rVB3	14284	34835	0.28%	0.099%
98	16.371	2361	2373	2376	rBV5	22639	59180	0.48%	0.168%
99	16.438	2376	2384	2391	rBV	411481	867284	7.06%	2.459%
100	16.633	2407	2416	2426	rVV	149127	360347	2.93%	1.022%

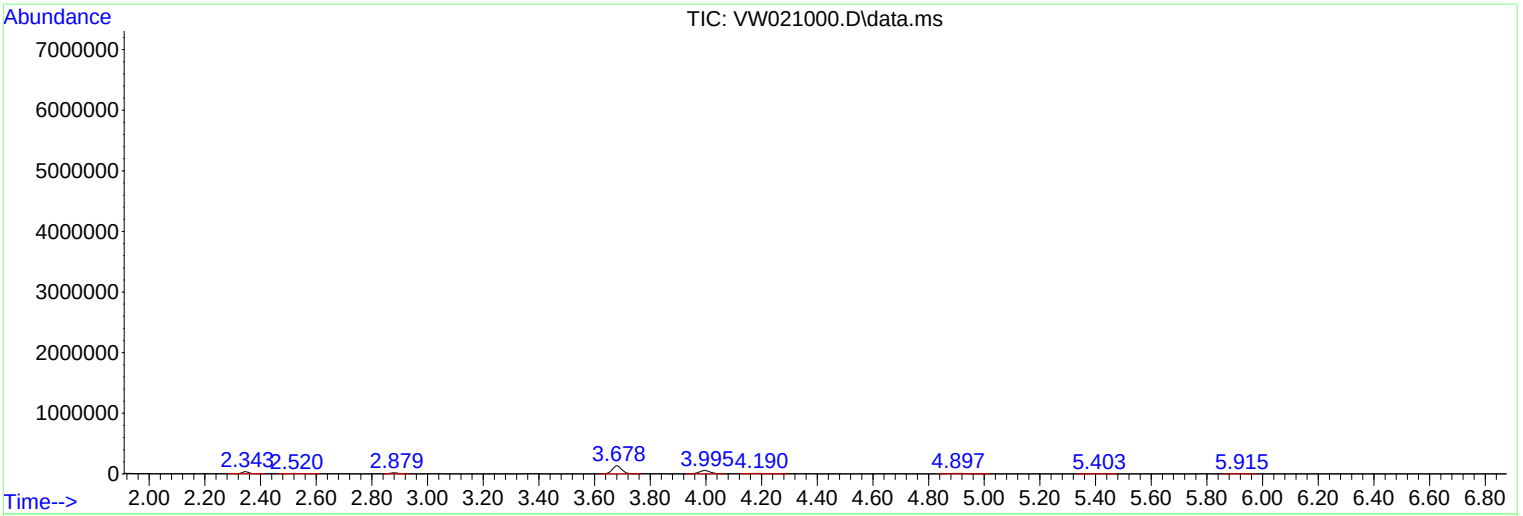
Sum of corrected areas: 35275172

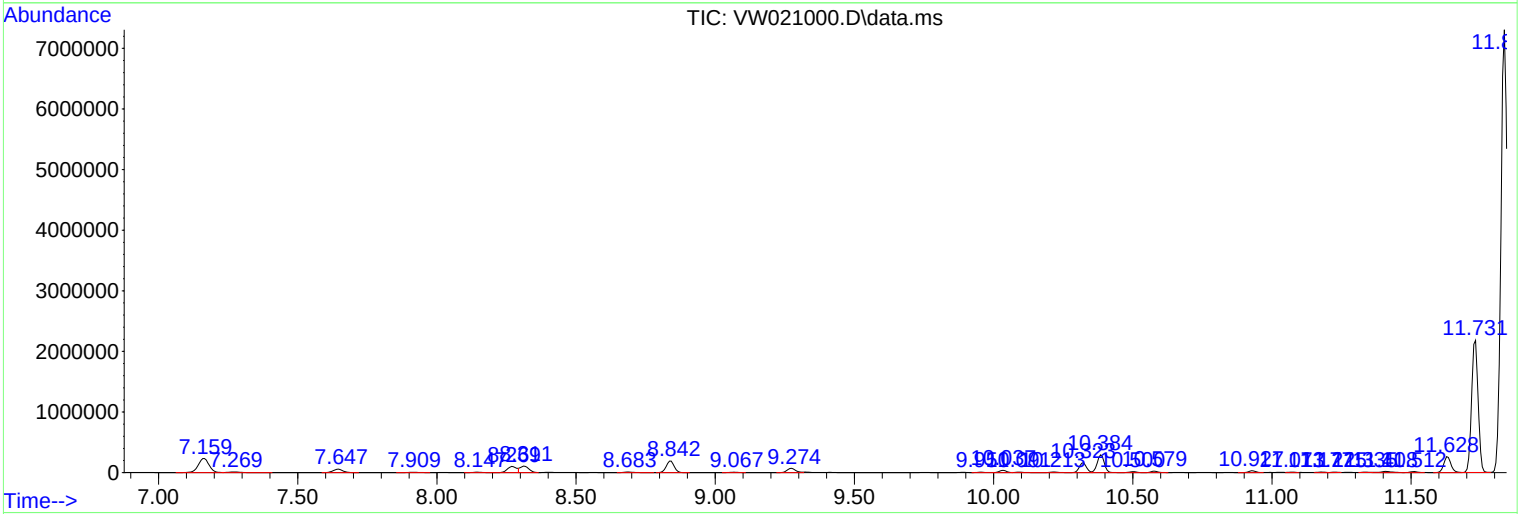
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

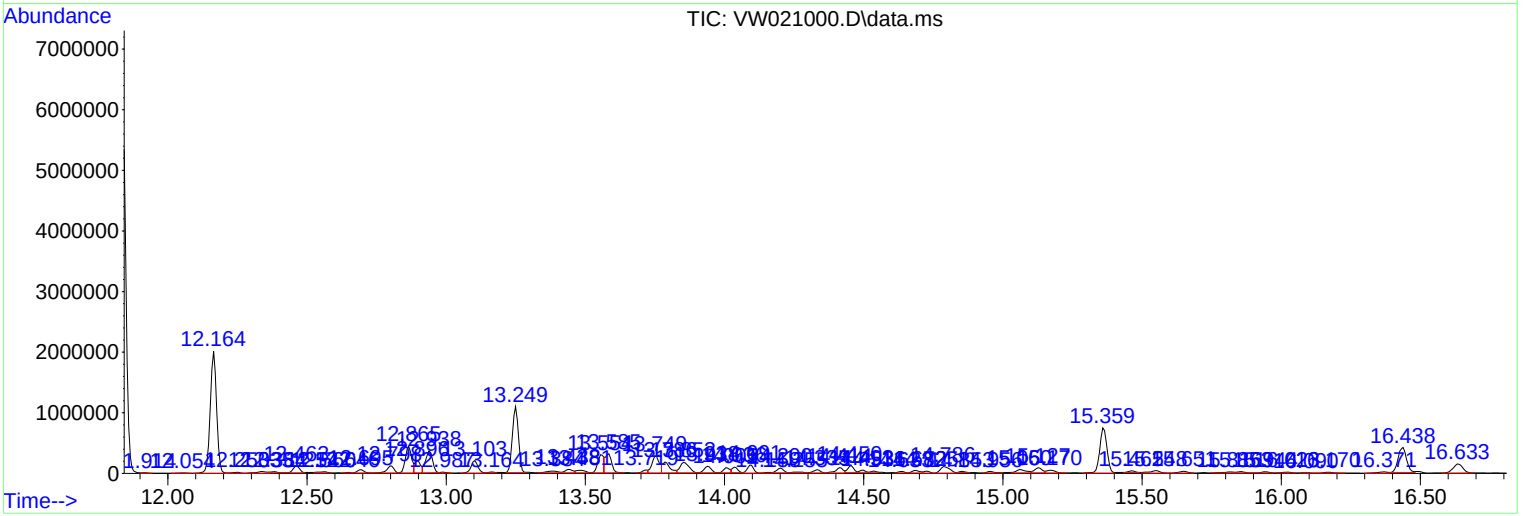
Instrument :
MSVOA_W
ClientSampleId :
BGKN9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

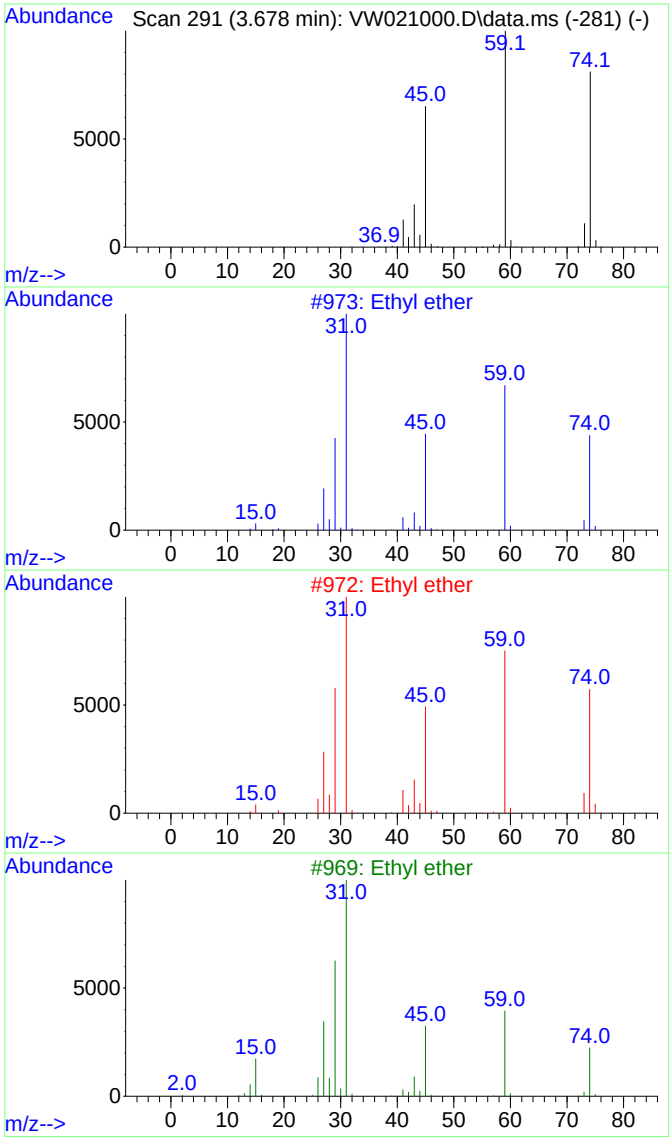
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

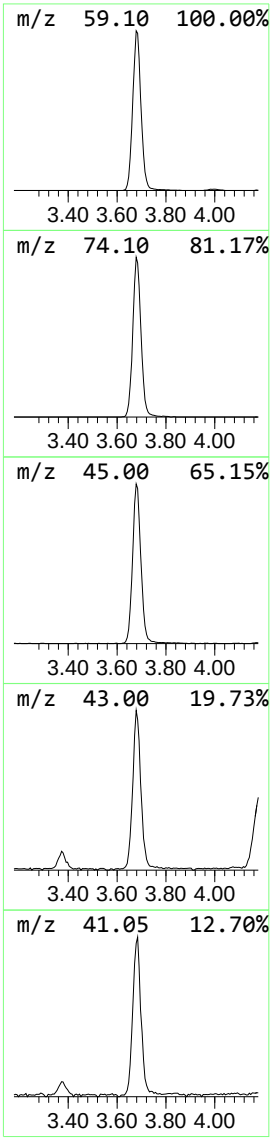
****

Peak Number 2 Ethyl ether Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.678	20.91 ug/L	316958	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	72
4	Ethyl ether	74	C4H10O	000060-29-7	59
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

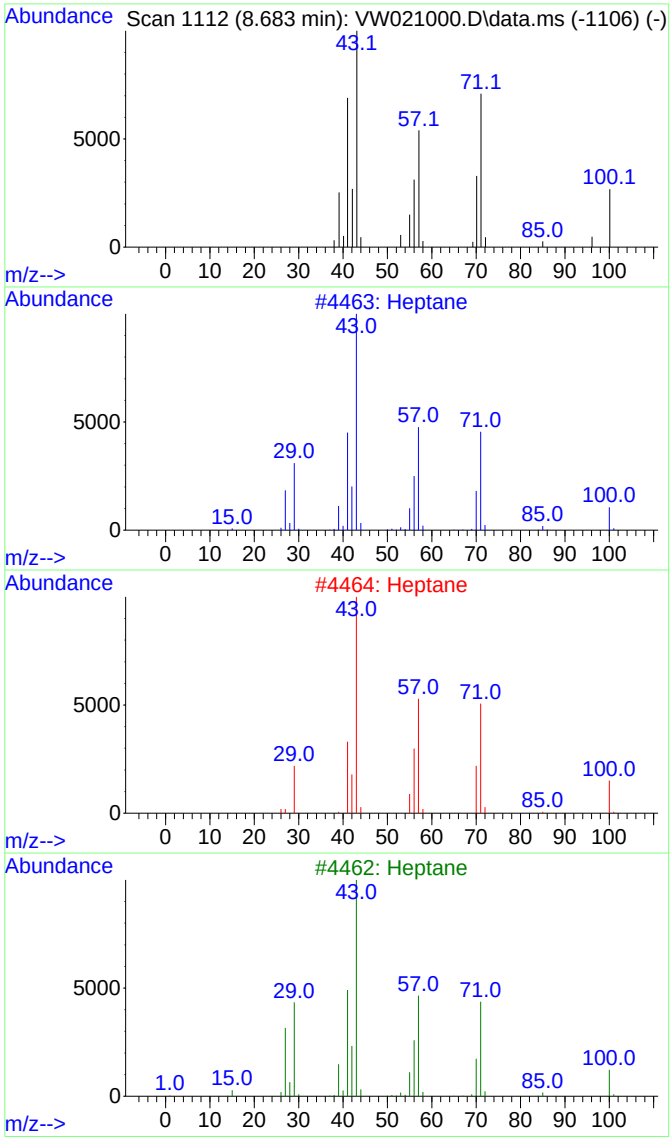
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

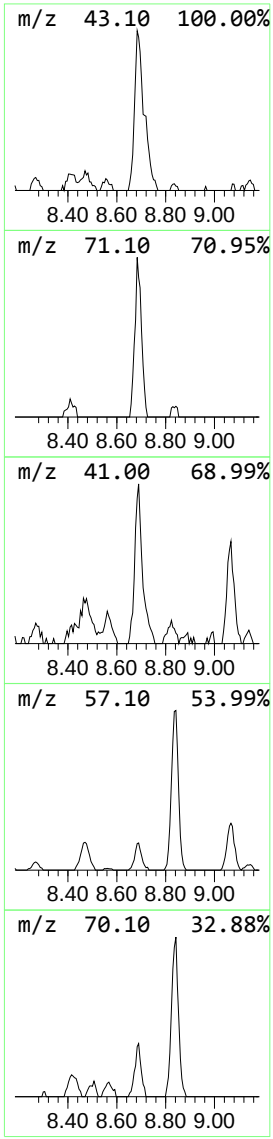
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.683	1.68 ug/L	25423	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	86
2	Heptane	100	C7H16	000142-82-5	78
3	Heptane	100	C7H16	000142-82-5	72
4	Heptane	100	C7H16	000142-82-5	72
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

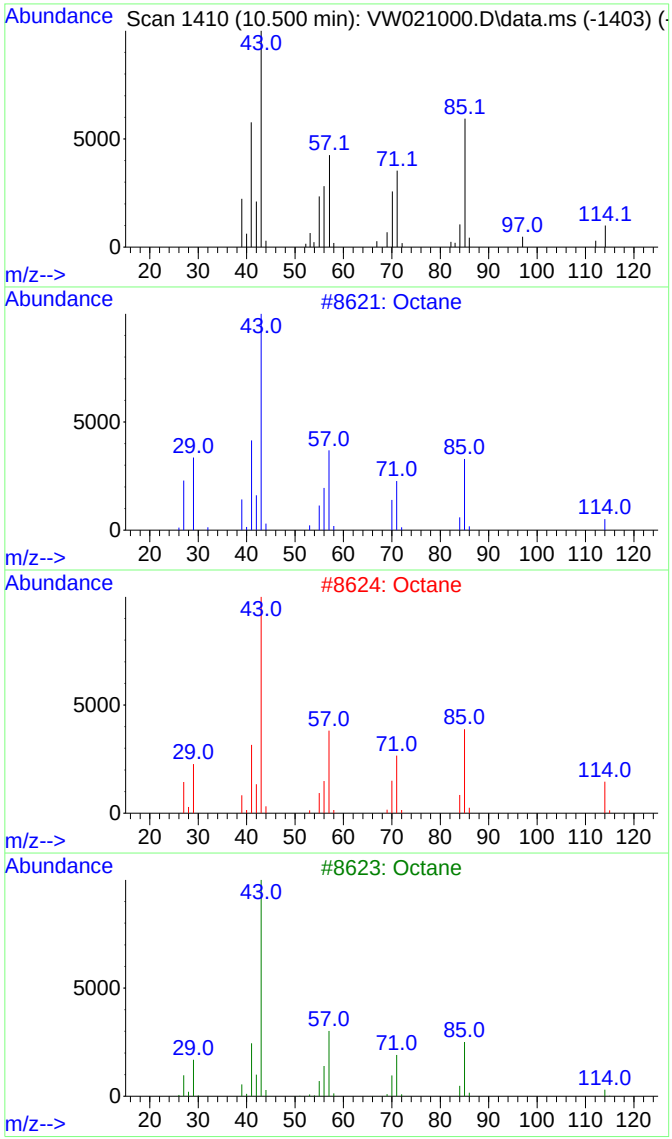
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

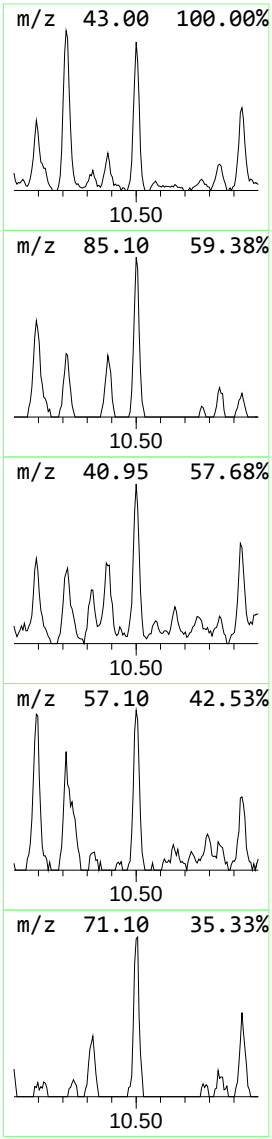
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.500	1.50 ug/L	28417	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	90
2	Octane	114	C8H18	000111-65-9	87
3	Octane	114	C8H18	000111-65-9	86
4	Octane	114	C8H18	000111-65-9	72
5	Octane	114	C8H18	000111-65-9	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

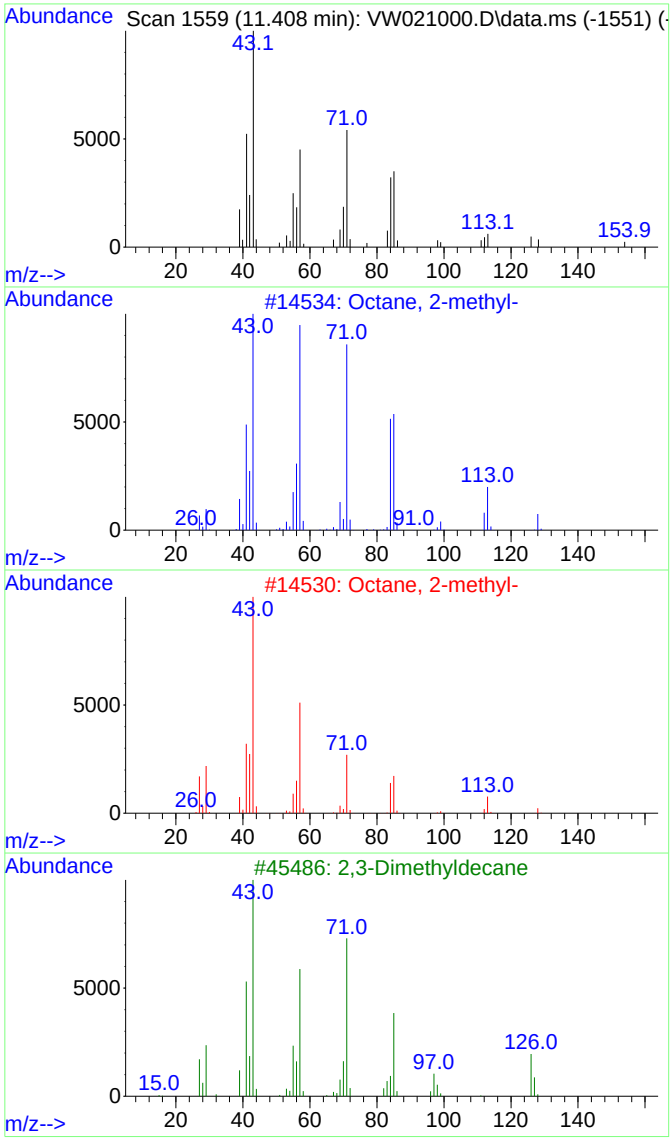
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

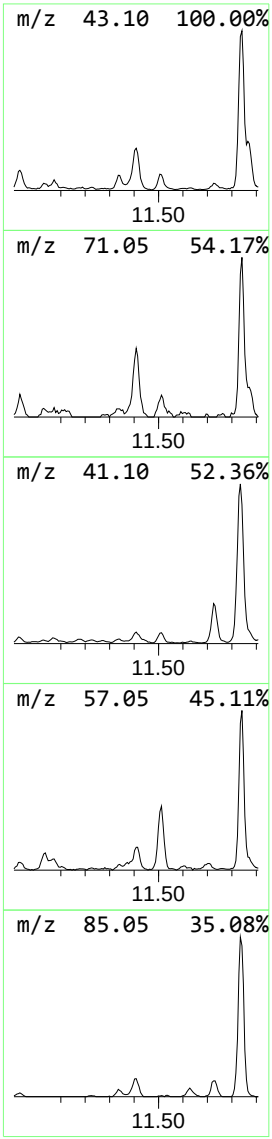
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.408	2.79 ug/L	52643	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	76
2	Octane, 2-methyl-	128	C9H20	003221-61-2	53
3	2,3-Dimethyldecane	170	C12H26	017312-44-6	53
4	N-[3-[N-Aziridyl]propylidene]tet...	182	C10H18N2O	1000256-63-4	50
5	Octane, 4-methyl-	128	C9H20	002216-34-4	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

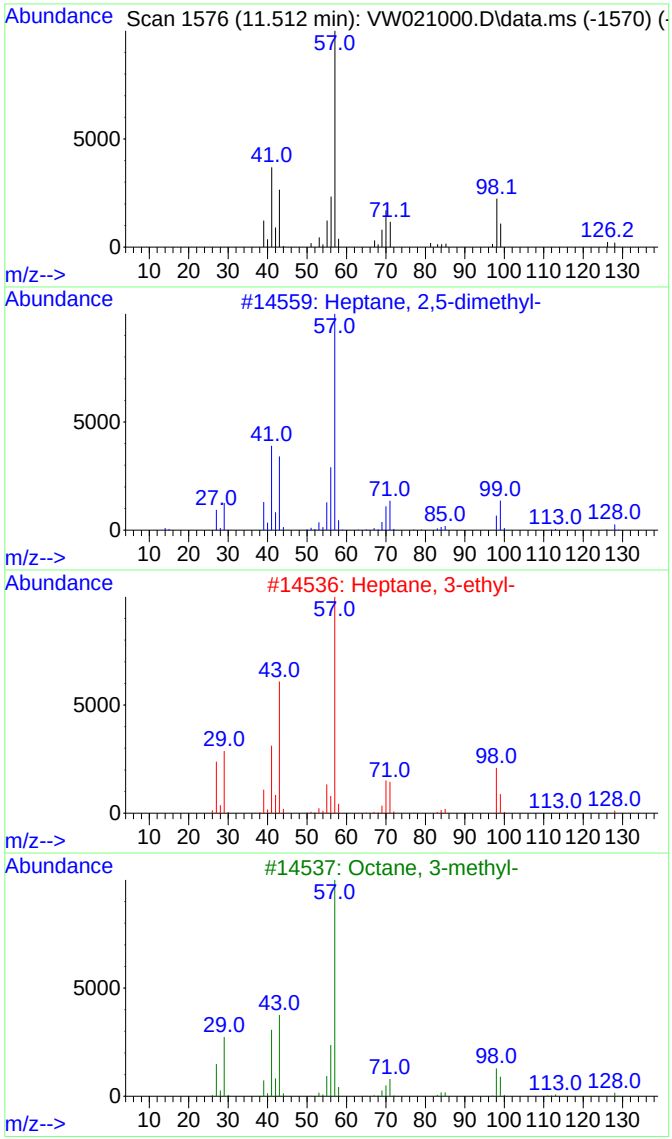
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

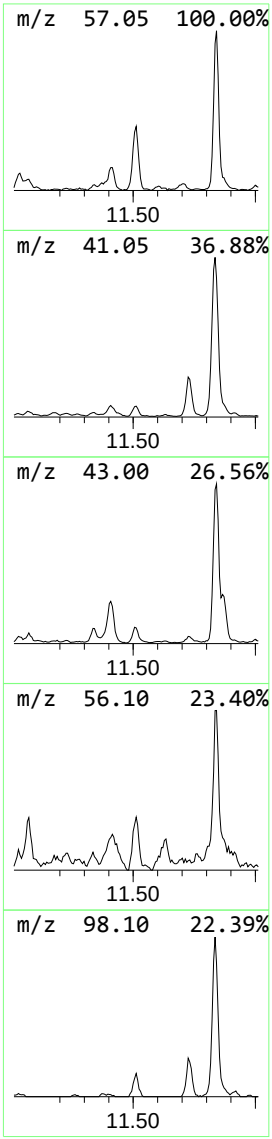
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	1.56 ug/L	29399	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
2	Heptane, 3-ethyl-	128	C9H20	015869-80-4	81
3	Octane, 3-methyl-	128	C9H20	002216-33-3	72
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	72
5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

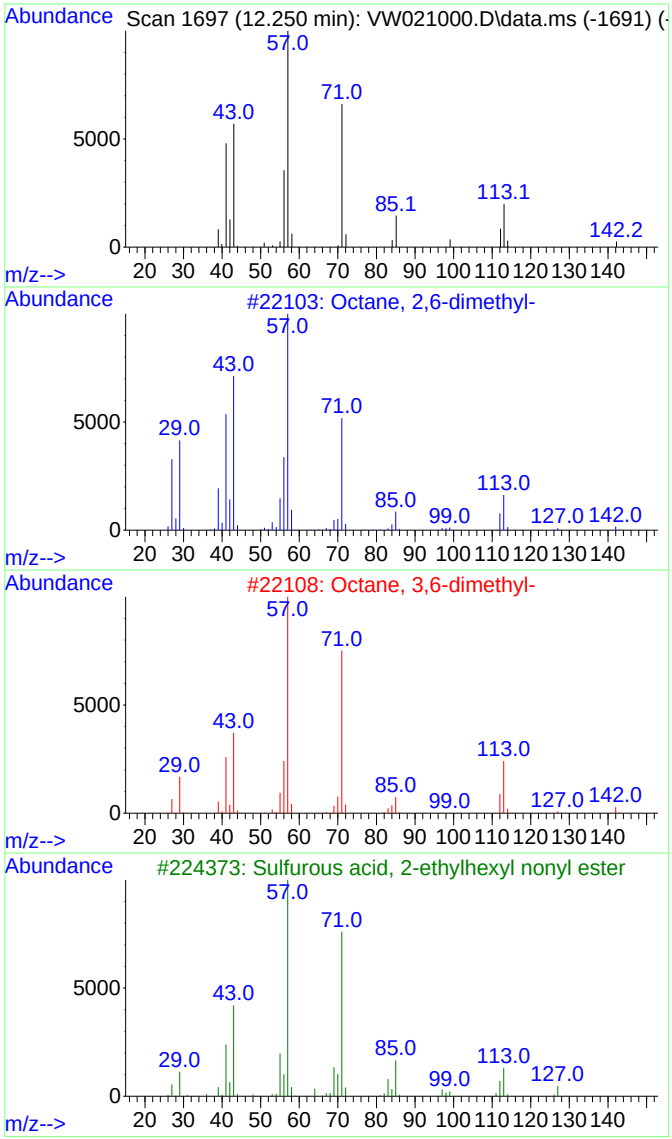
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

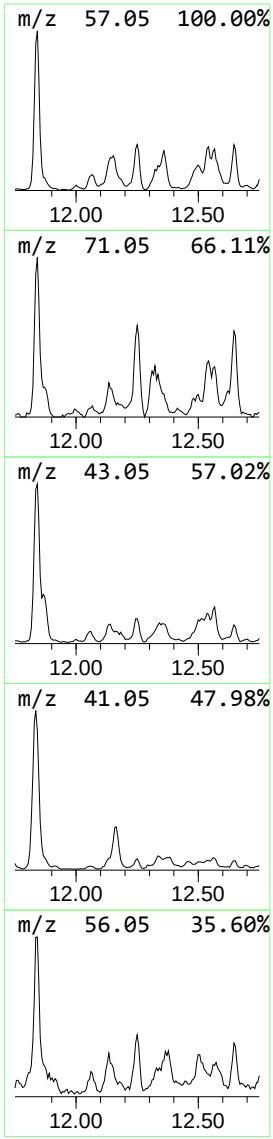
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.250	1.53 ug/L	28941	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83
3	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	78
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

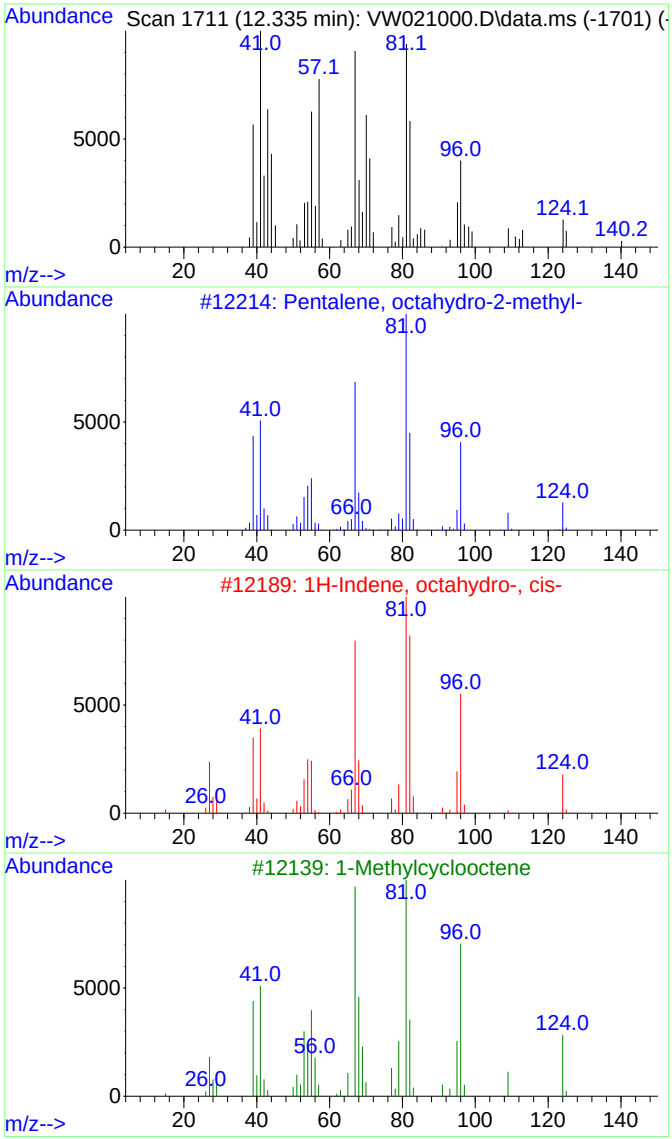
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

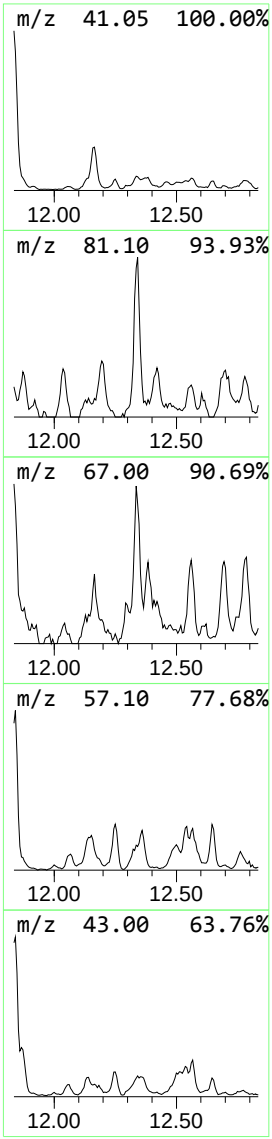
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Pentalene, octahydro-2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.335	4.17 ug/L	78736	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	50
2	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	46
3	1-Methylcyclooctene	124	C9H16	000933-11-9	42
4	3-Octyne, 2-methyl-	124	C9H16	055402-15-8	30
5	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	30





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Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

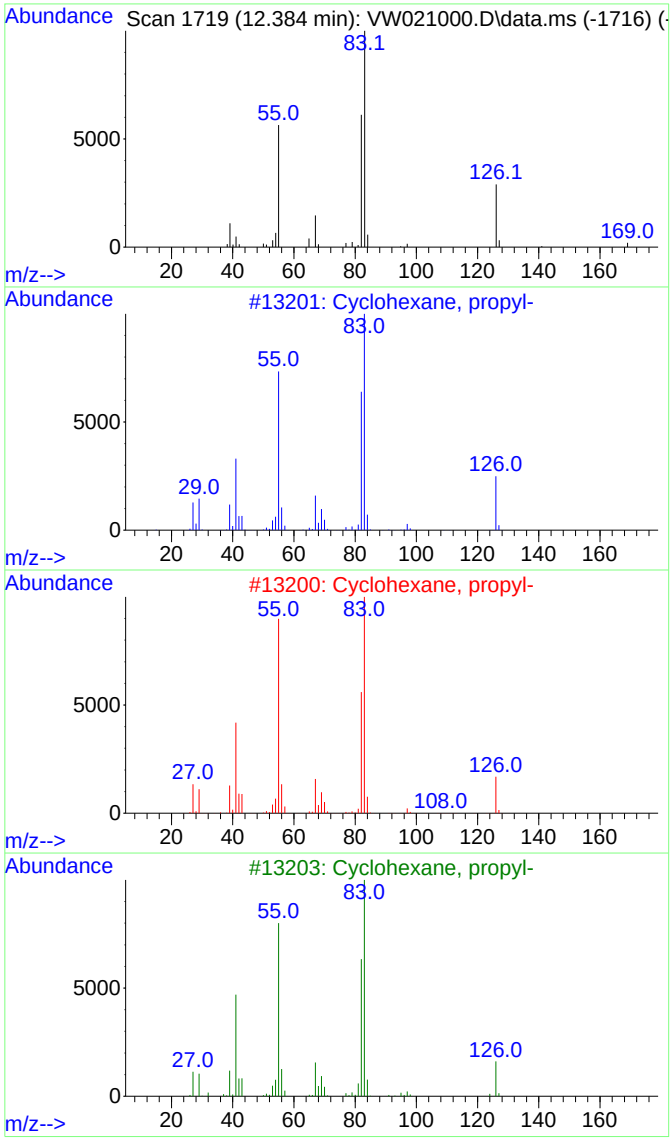
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

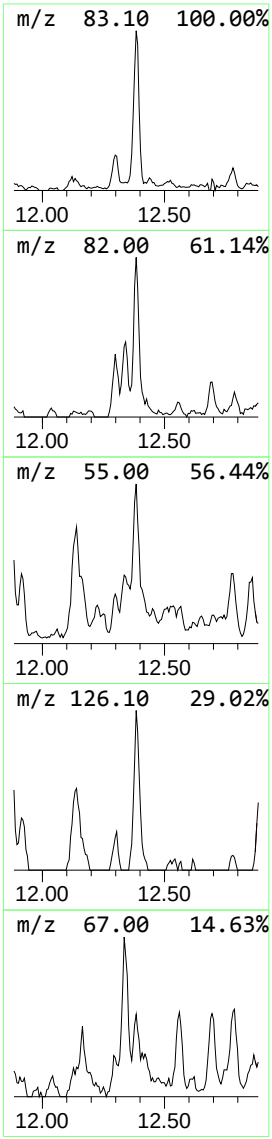
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Cyclic12.384 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.384	1.39 ug/L	26164	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	83
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	78
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
5	Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

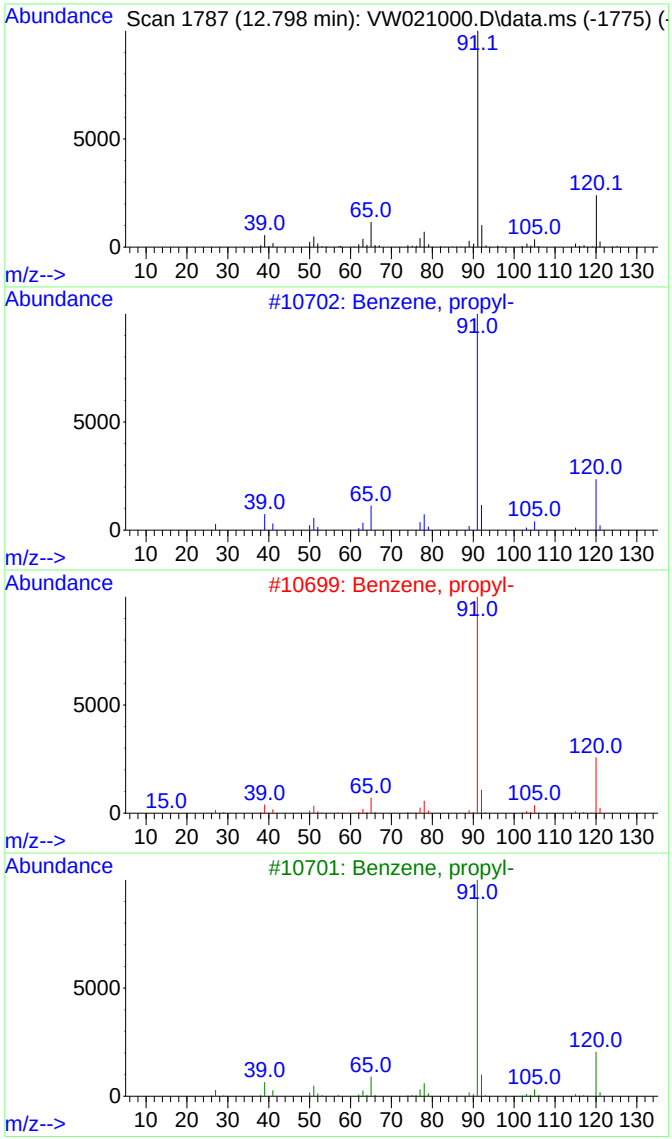
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

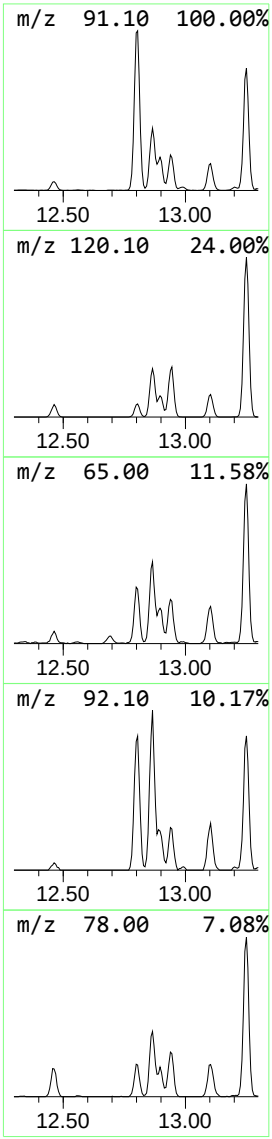
****

Peak Number 14 Benzene, propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.798	11.23 ug/L	205838	1,4-Dichlorobenzene-d4	13.554

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	90
4	N-Isobutyl(phenyl)methanesulfona...	227	C11H17NO2S	144615-94-1	72
5	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

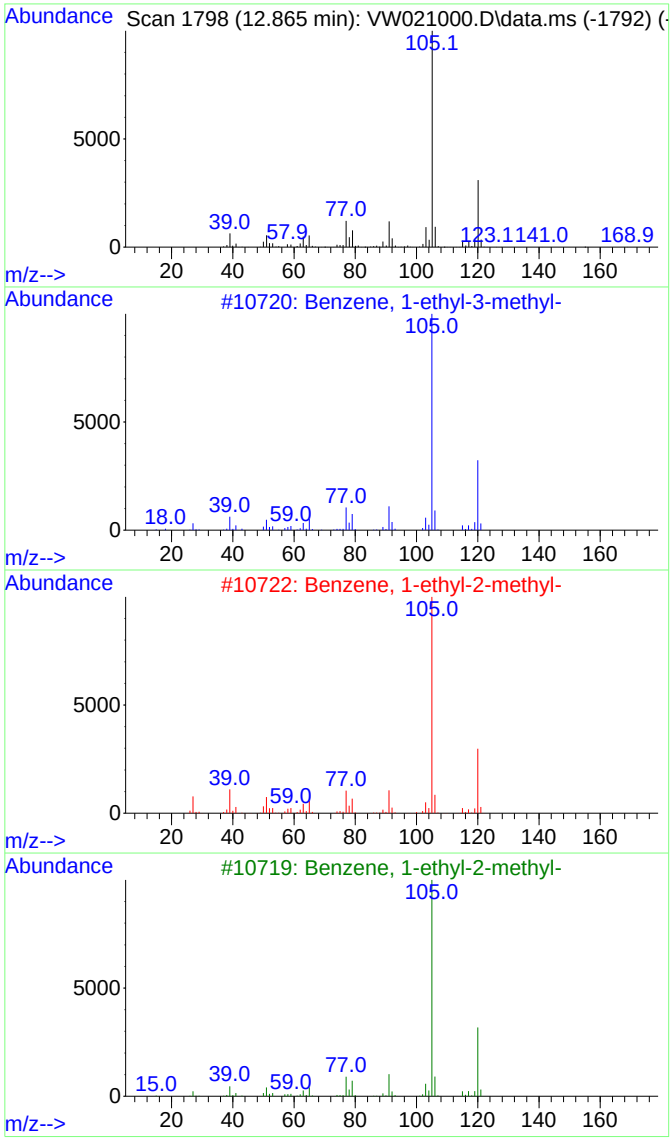
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

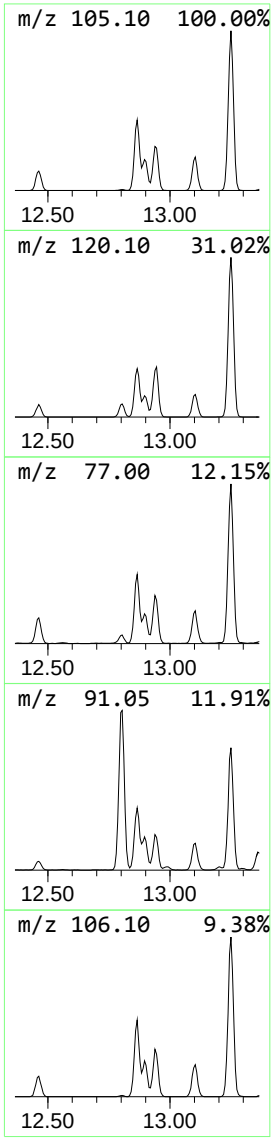
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 1-ethyl-3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	37.94 ug/L	695223	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

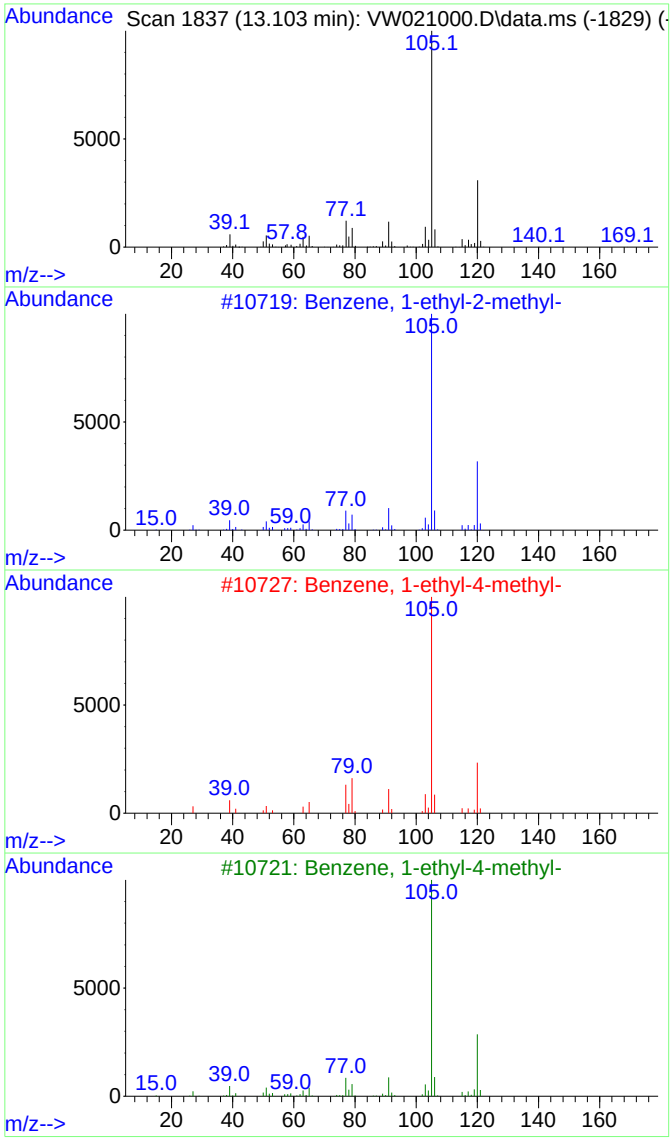
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

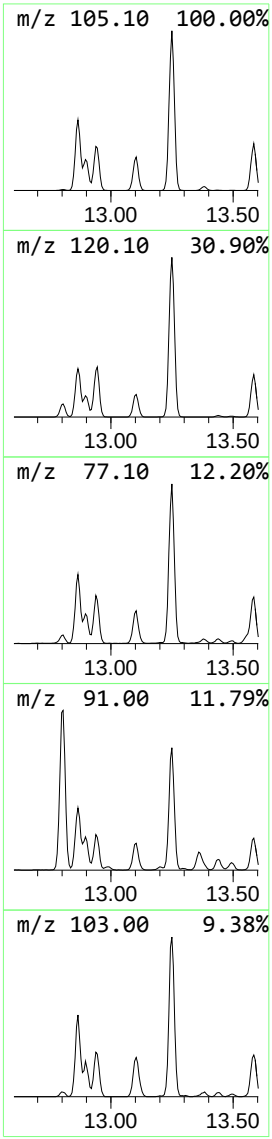
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	18.88 ug/L	346046	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

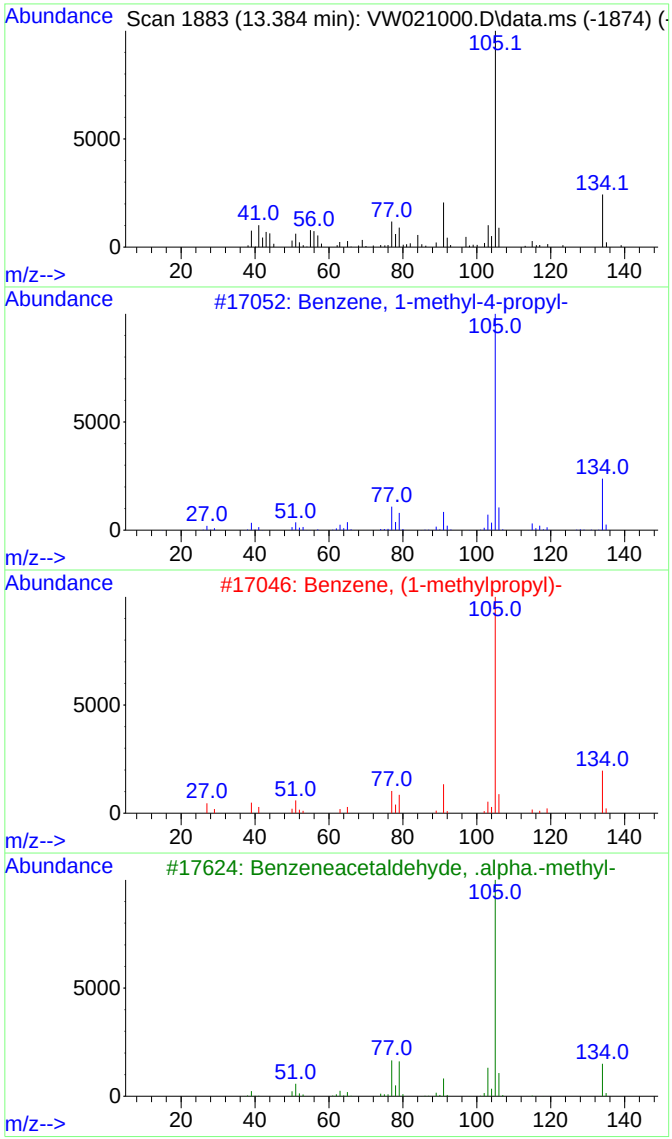
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

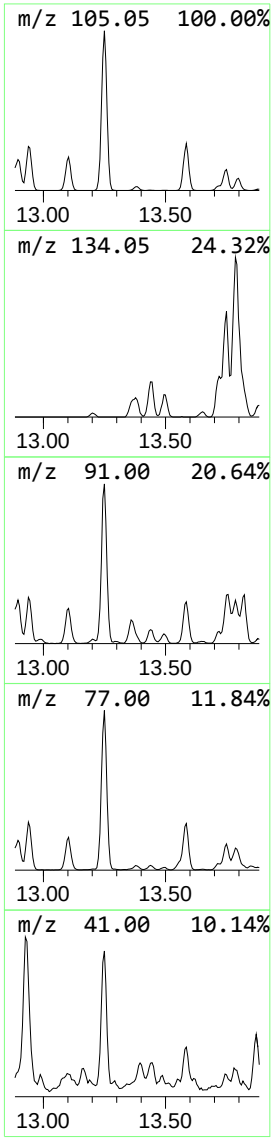
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 1-methyl-4-propyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.384	4.27 ug/L	78174	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87
3	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	87
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87
5	2-Tolyloxirane	134	C9H10O	002783-26-8	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

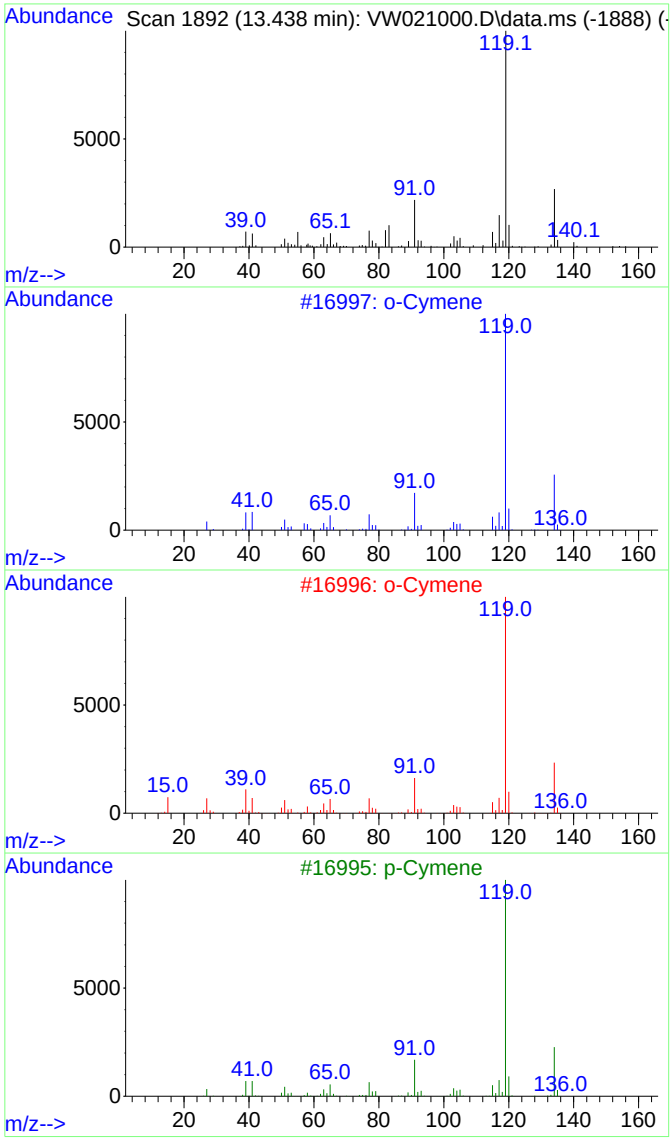
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

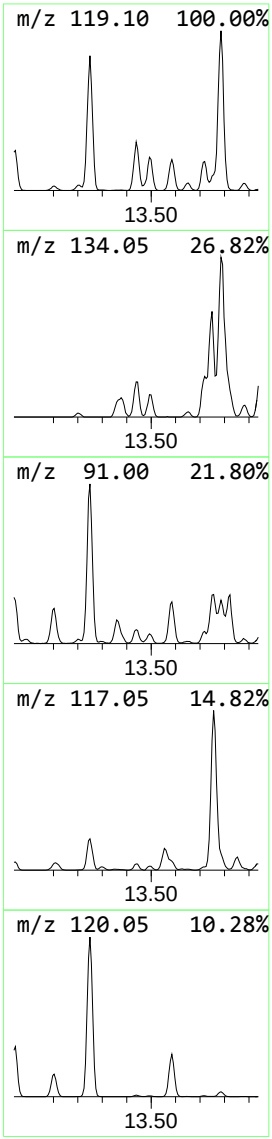
****

Peak Number 18 o-Cymene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.438	5.79 ug/L	106170	1,4-Dichlorobenzene-d4	13.554

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

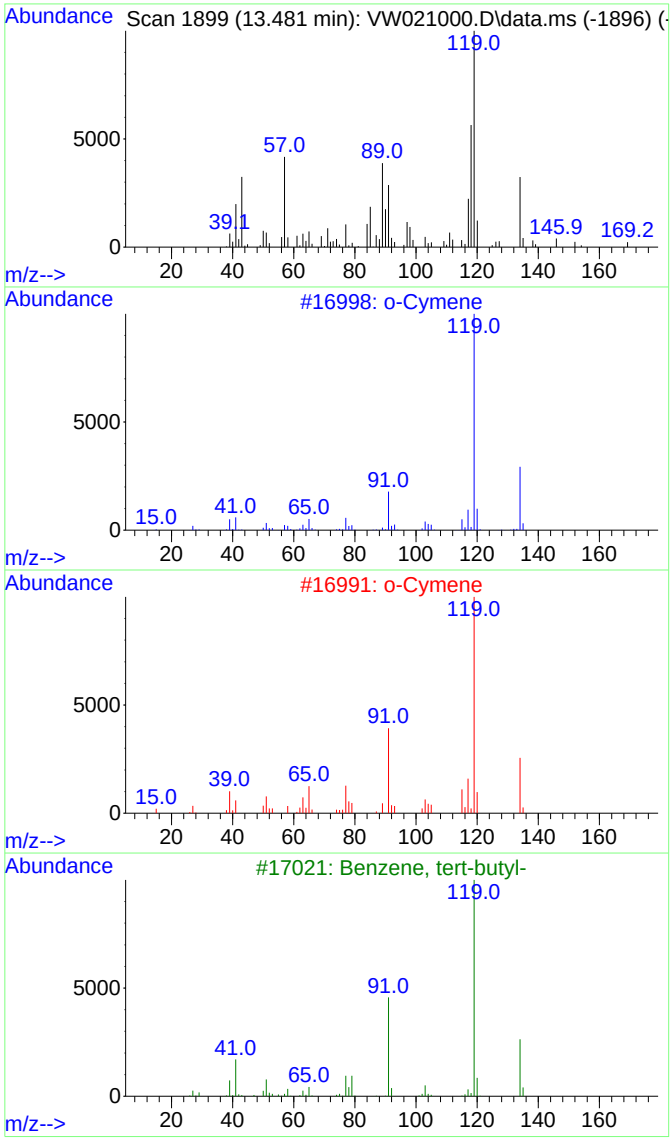
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

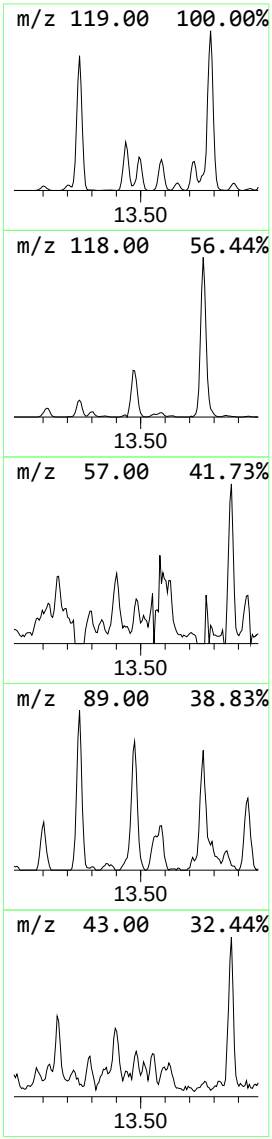
****

Peak Number 19 unknown-01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.481	4.71 ug/L	86222	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	43
2	o-Cymene	134	C10H14	000527-84-4	43
3	Benzene, tert-butyl-	134	C10H14	000098-06-6	41
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	38
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	38





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Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

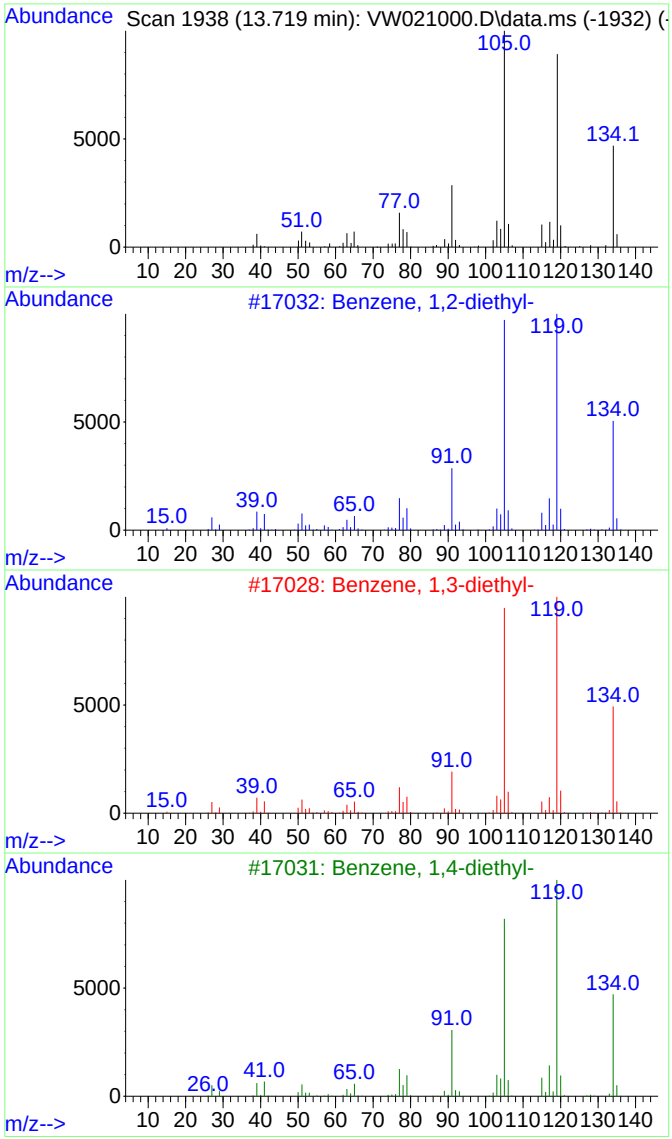
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

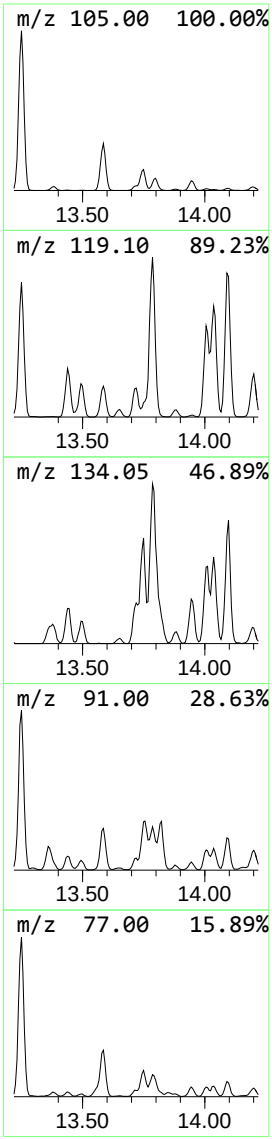
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzene, 1,2-diethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.719	3.68 ug/L	67424	1,4-Dichlorobenzene-d4	13.554

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

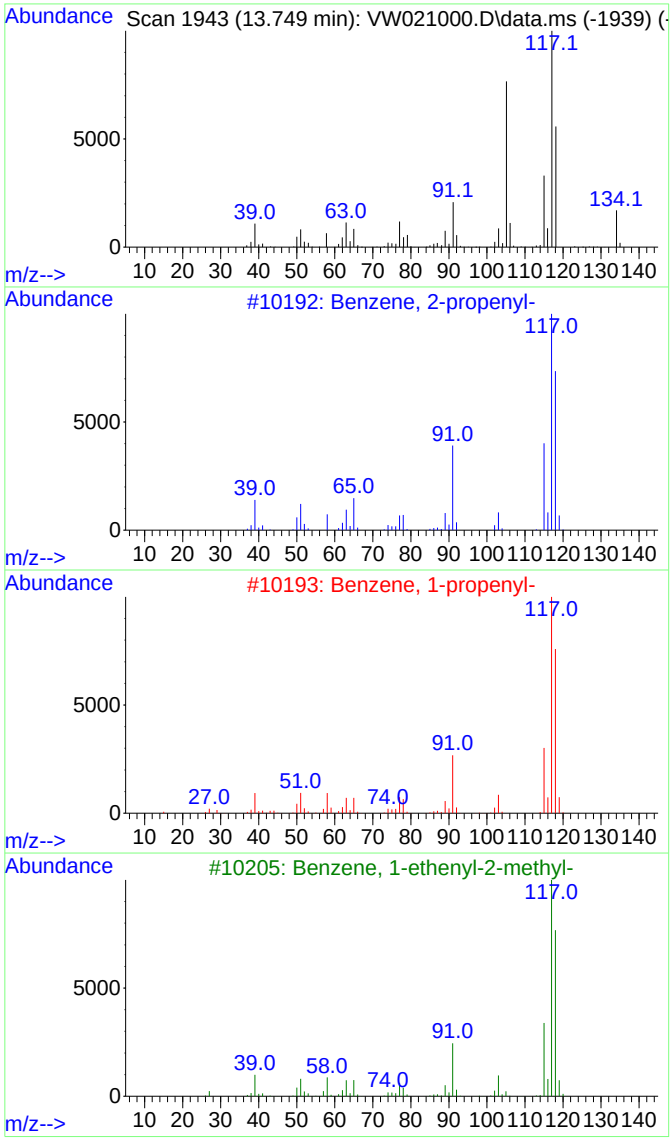
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

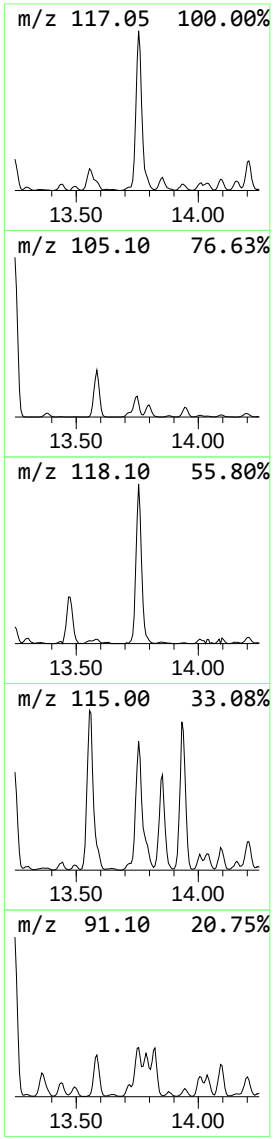
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Benzene, 2-propenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.749	28.26 ug/L	517846	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

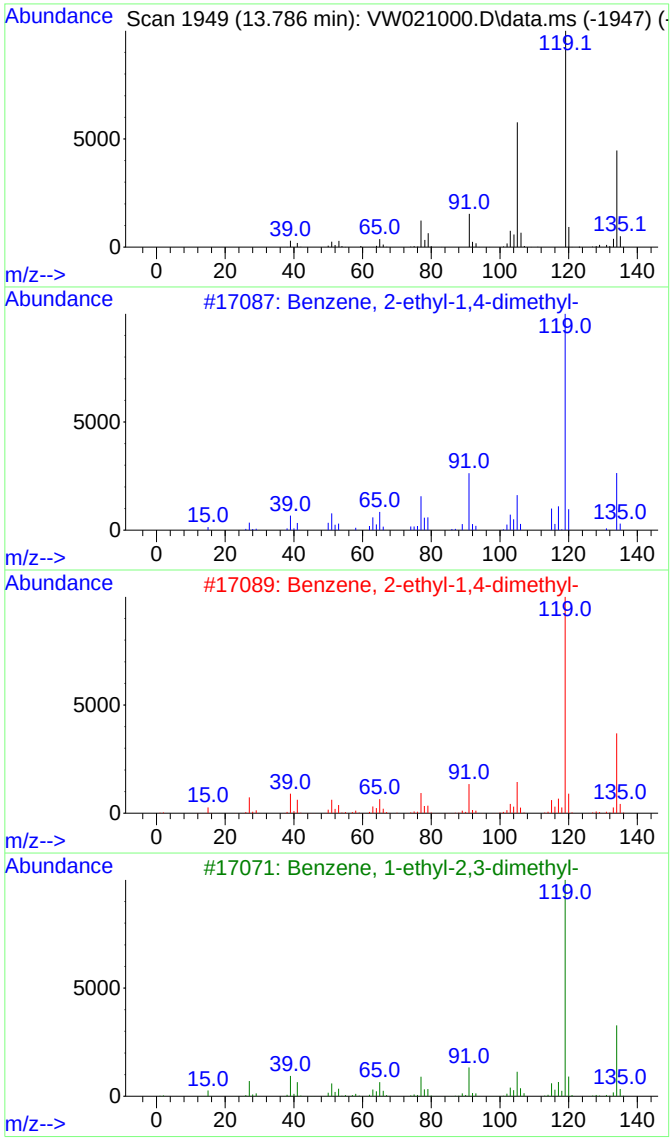
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

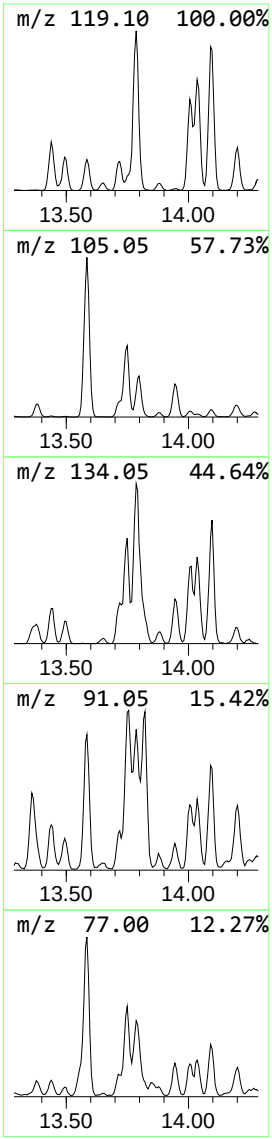
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.786	17.35 ug/L	317999	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

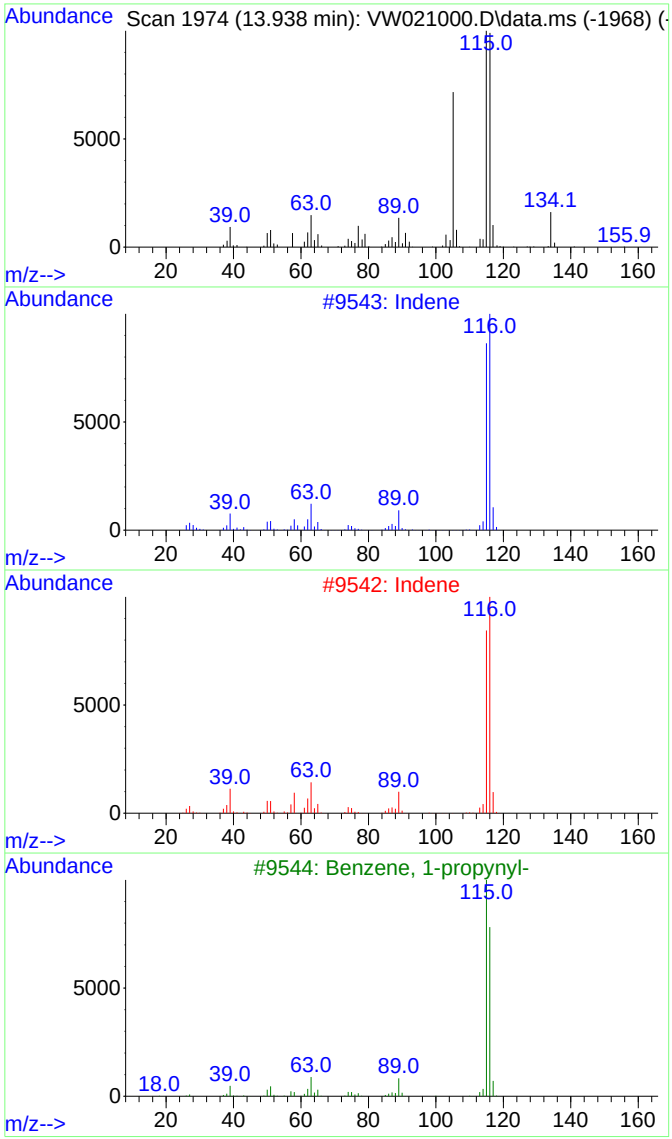
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

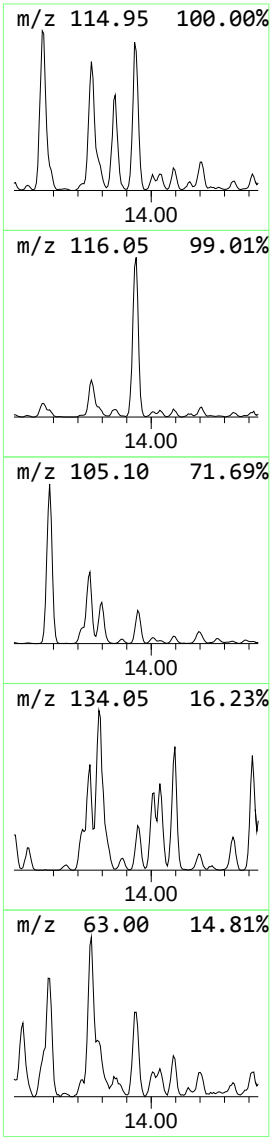
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Indene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.938	10.32 ug/L	189157	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Indene	116	C9H8	000095-13-6	94
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	87
4	Indene	116	C9H8	000095-13-6	87
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

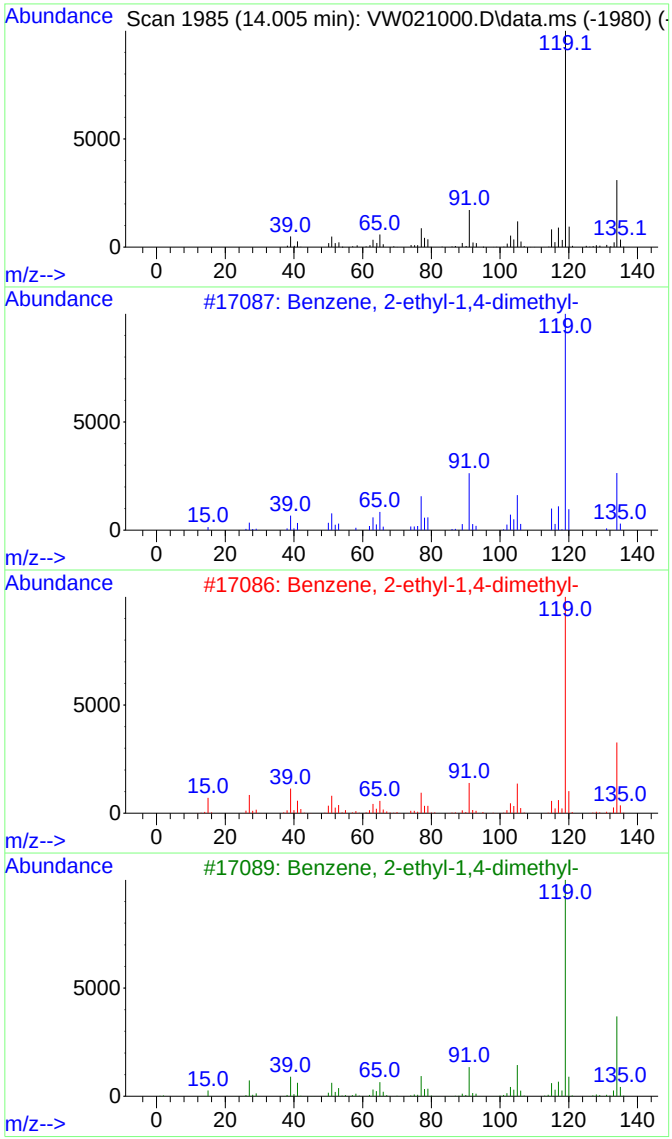
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

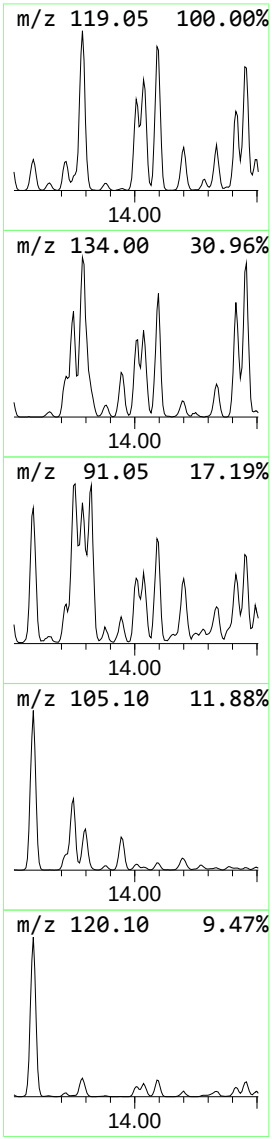
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Benzene, 1-methyl-3-(1-meth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.005	7.72 ug/L	141433	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

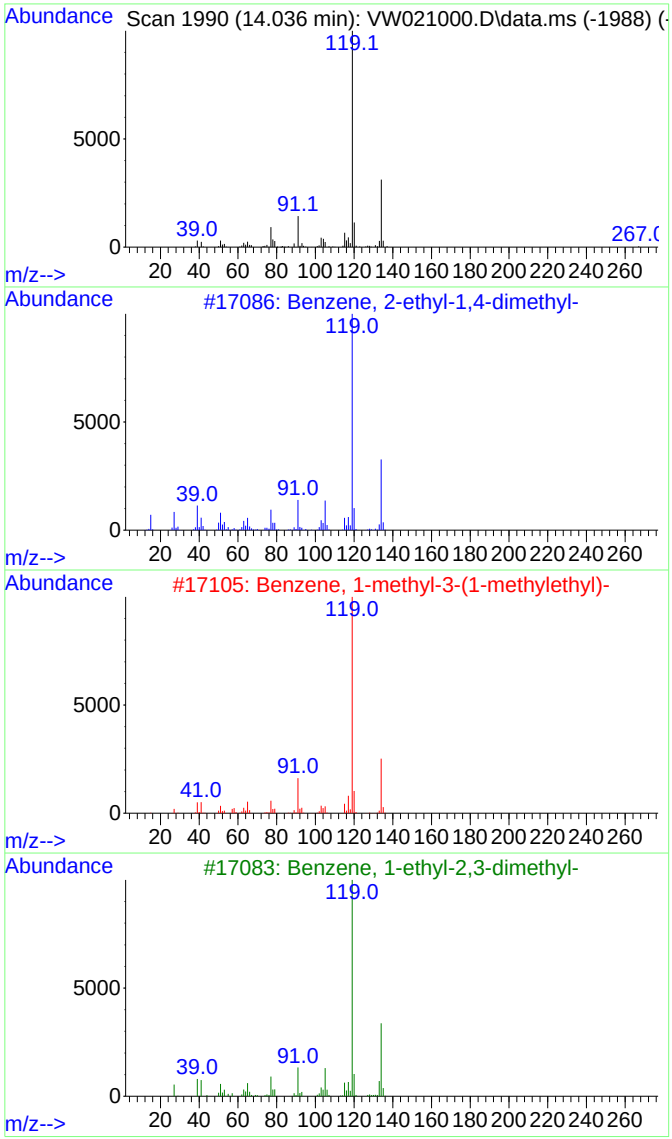
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

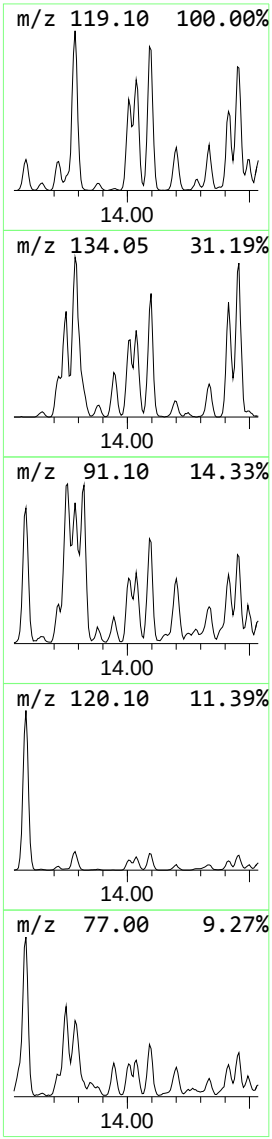
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.036	6.29 ug/L	115346	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

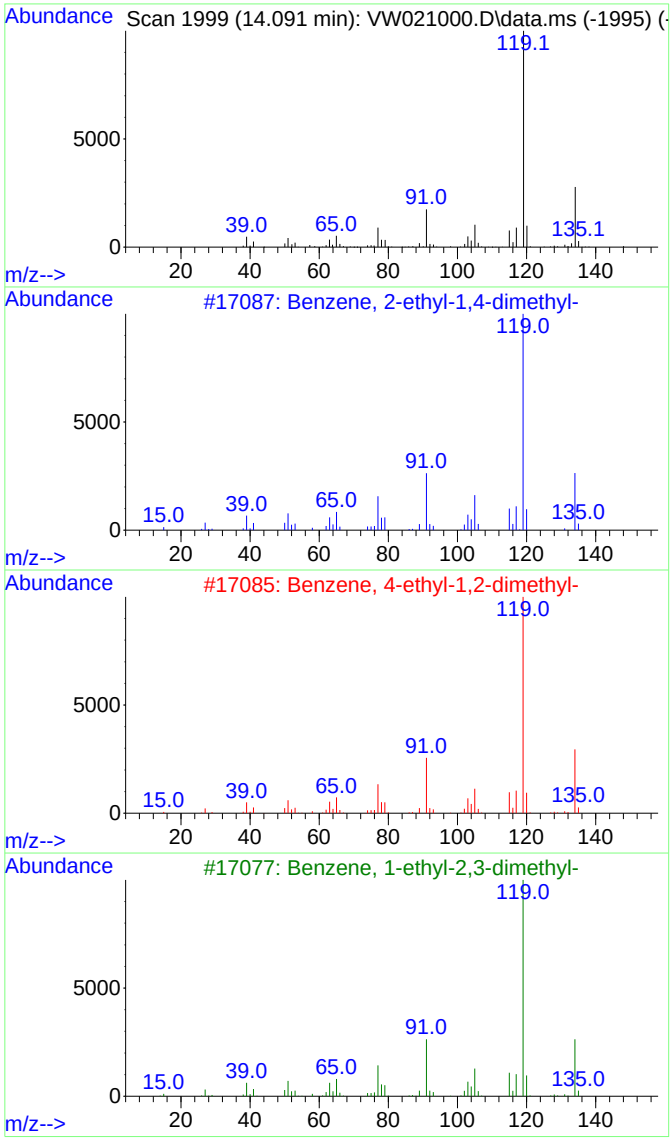
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

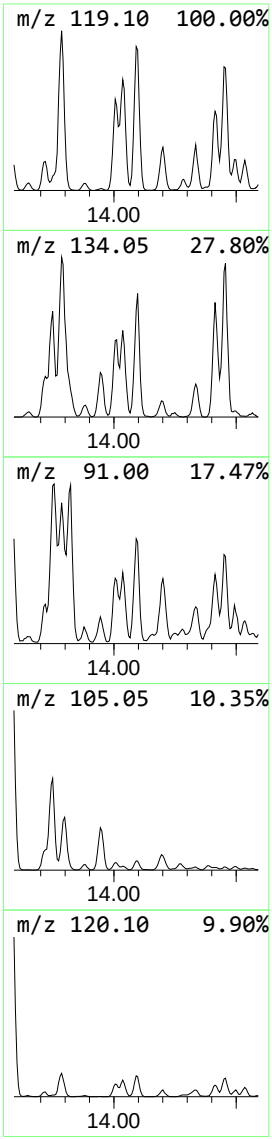
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.091	11.00 ug/L	201634	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

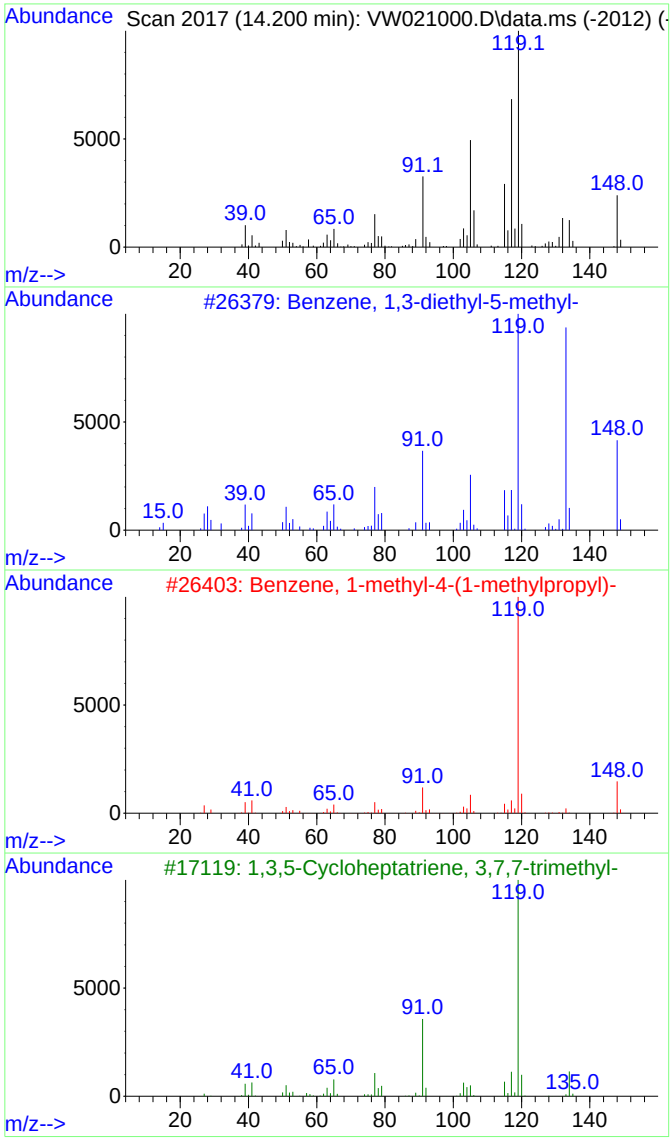
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

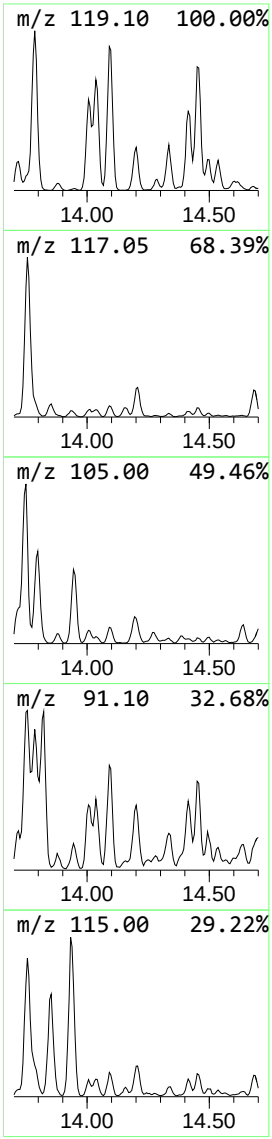
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.200	6.97 ug/L	127706	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	50
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	49
3	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	46
4	3,4-Dihydro-2-[1H]quinoxalinone	148	C8H8N2O	059564-59-9	46
5	p-Cymene	134	C10H14	000099-87-6	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

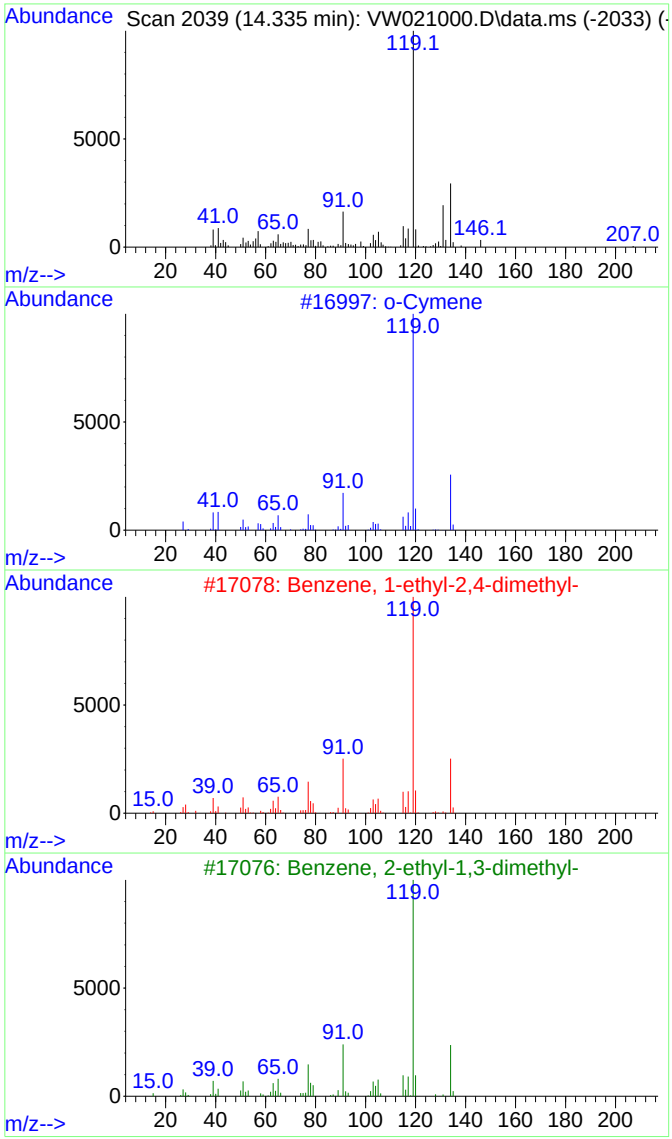
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

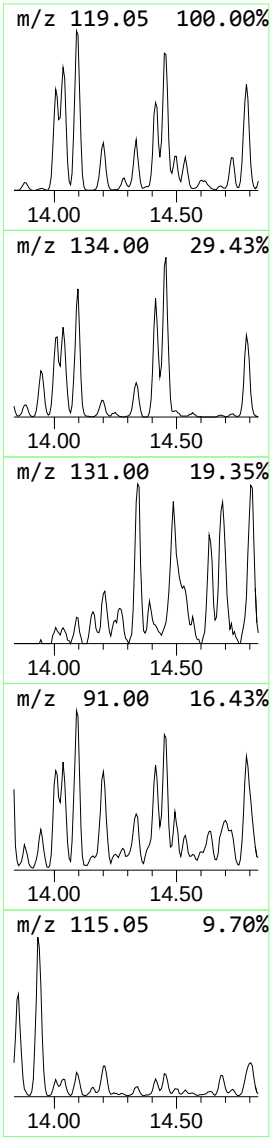
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.335	4.53 ug/L	82967	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	93
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

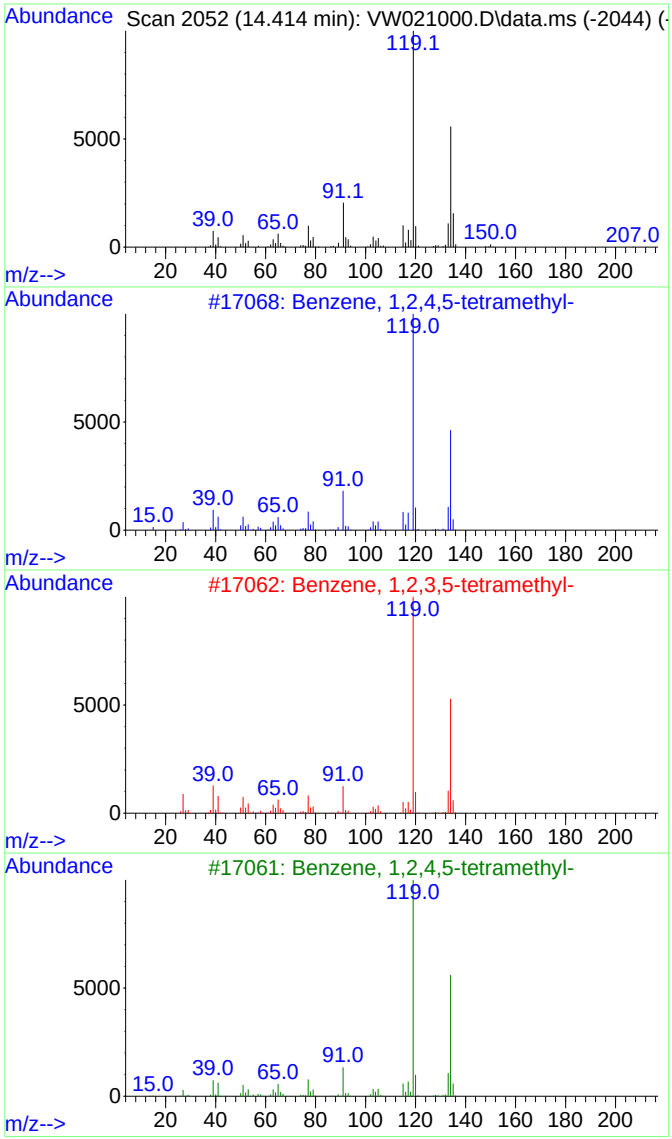
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

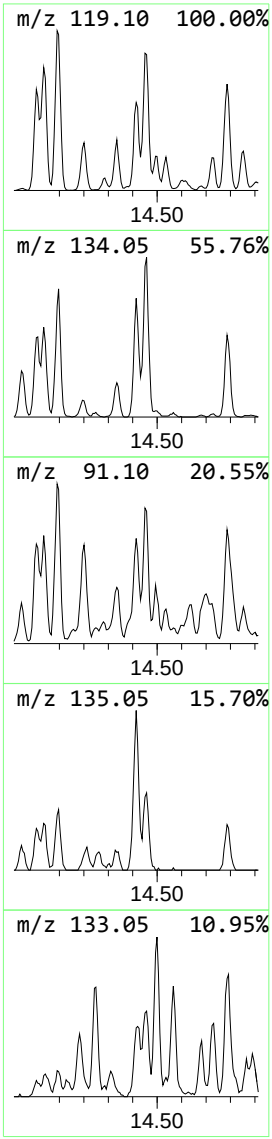
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.414	8.47 ug/L	155281	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

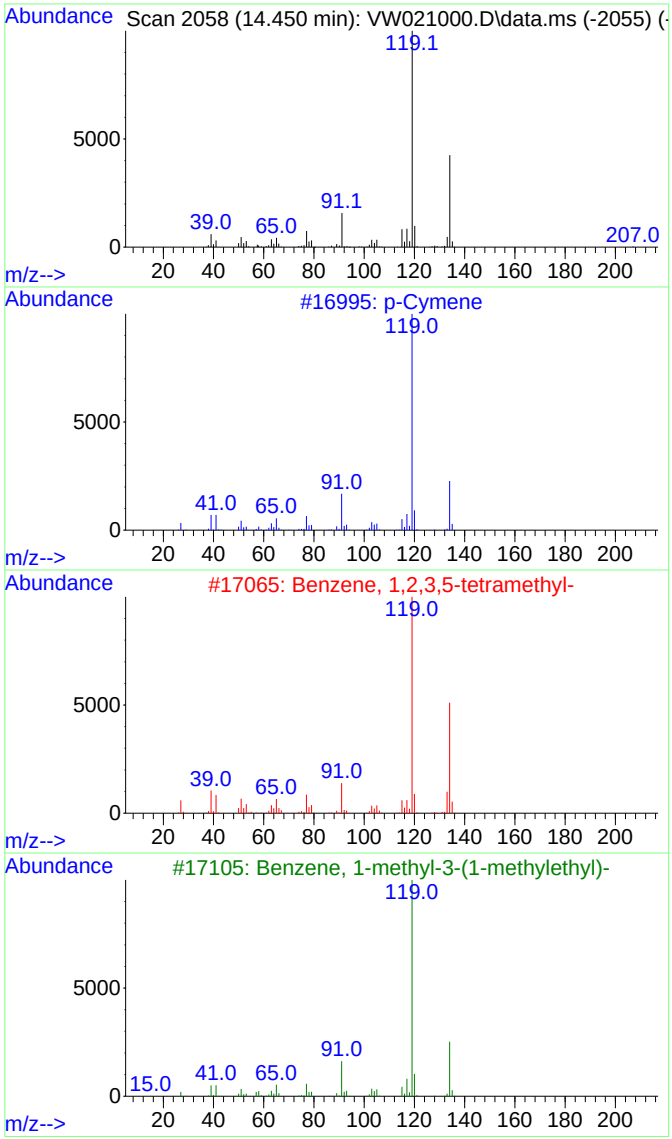
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

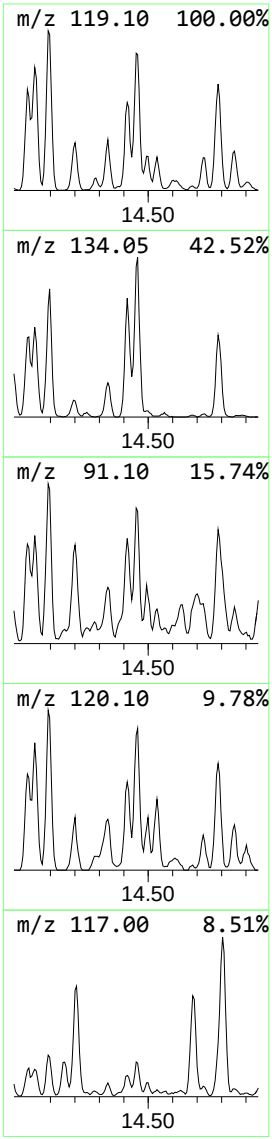
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 p-Cymene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.450	8.66 ug/L	158754	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	91
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

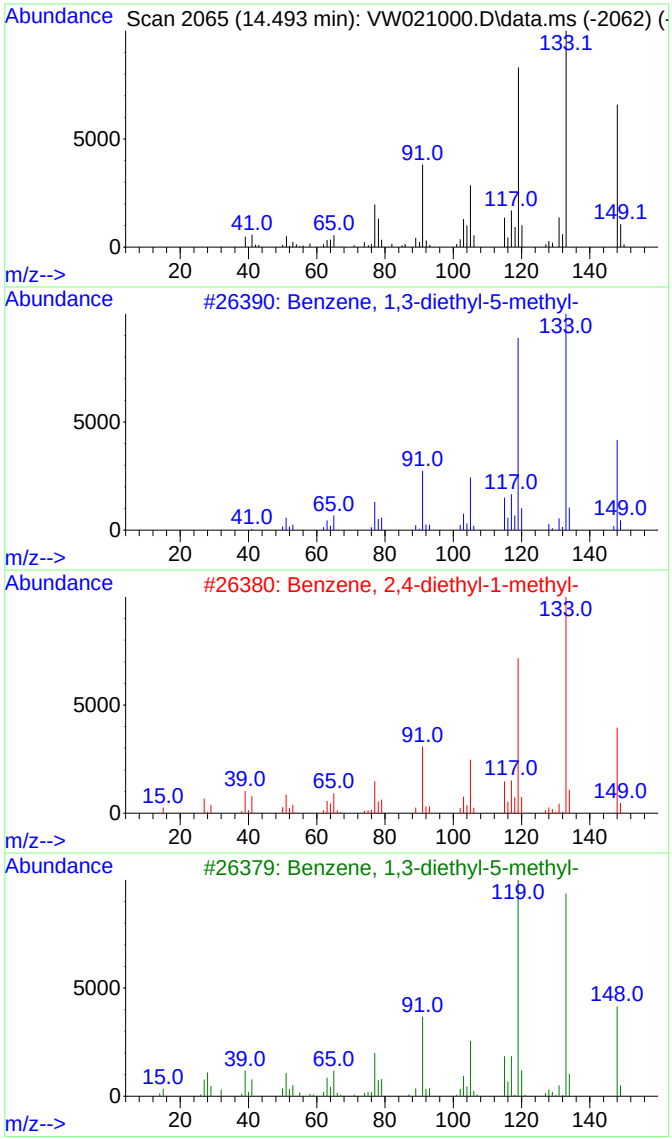
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

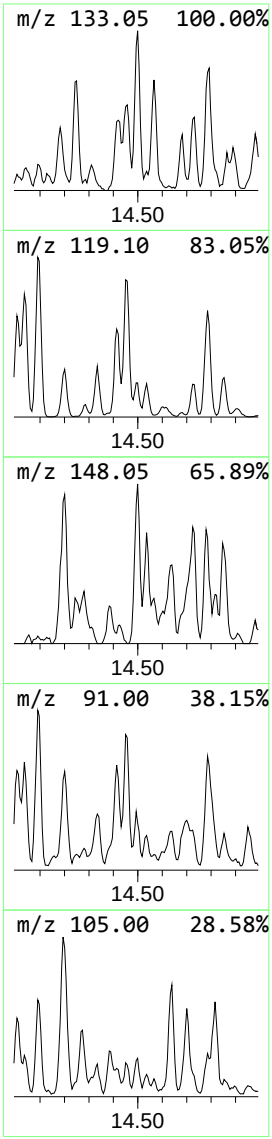
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.493	2.70 ug/L	49389	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	94
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	91
3	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	87
4	2-(1-Methyl-2-propenyl)phenol	148	C10H12O	1000432-85-2	55
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

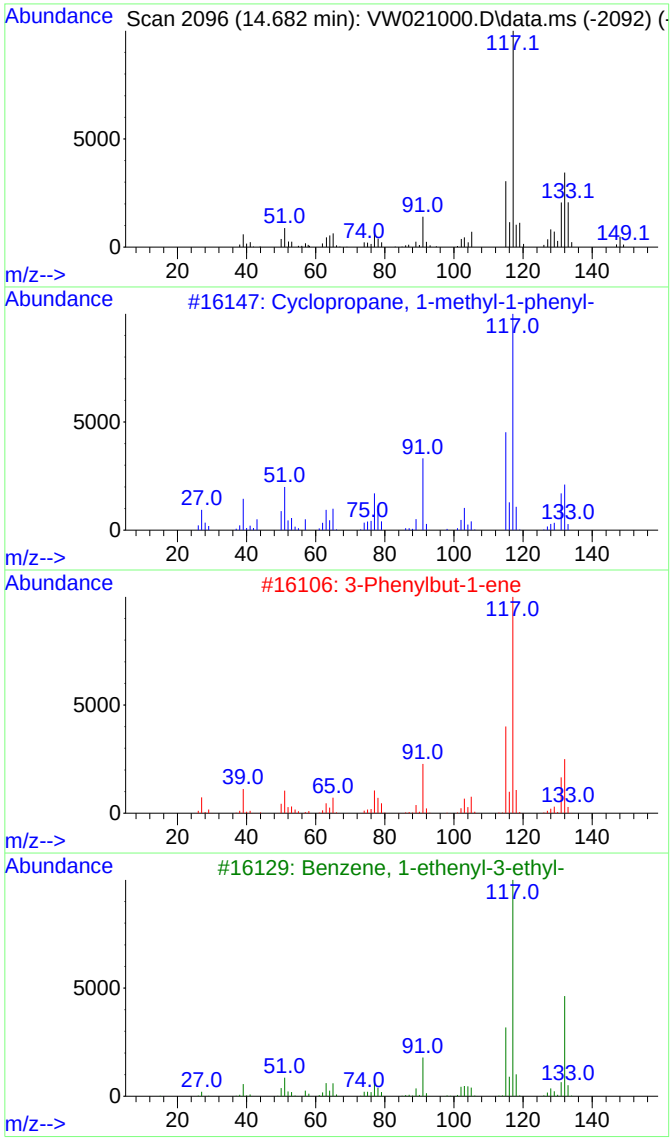
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

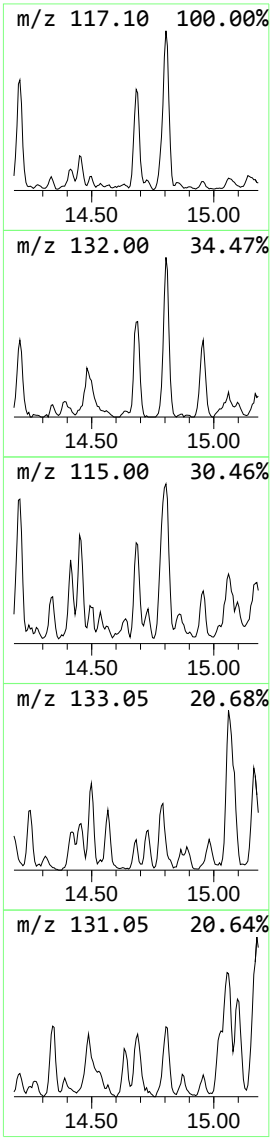
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Cyclopropane, 1-methyl-1-ph... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.682	4.35 ug/L	79691	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1-methyl-1-phenyl-	132	C10H12	002214-14-4	81
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	76
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

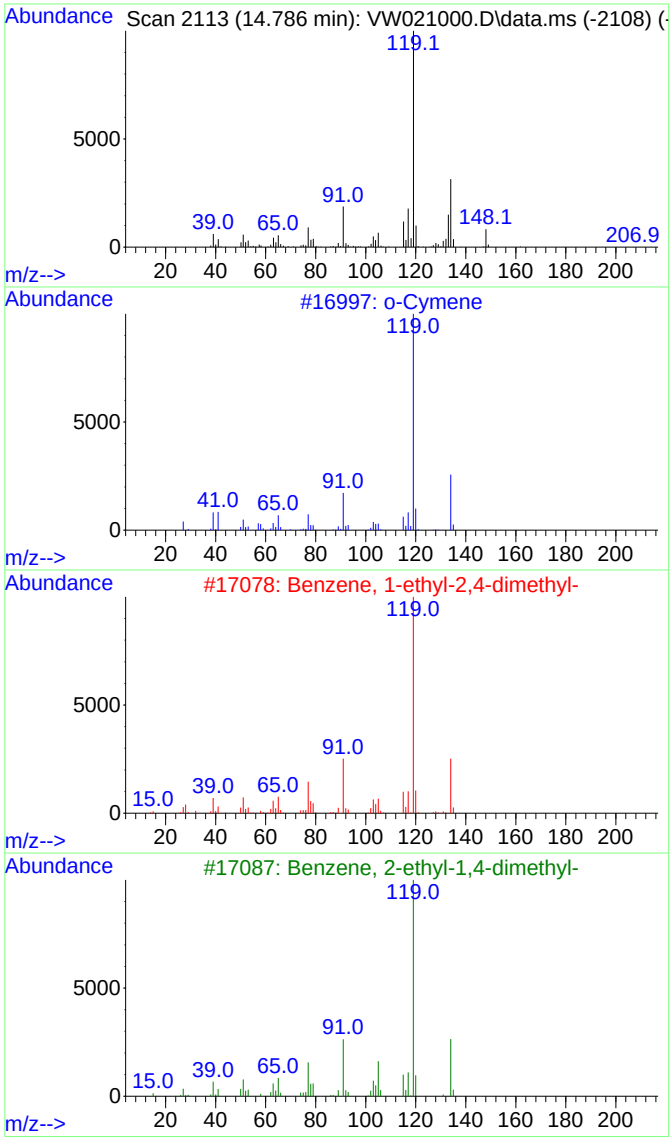
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

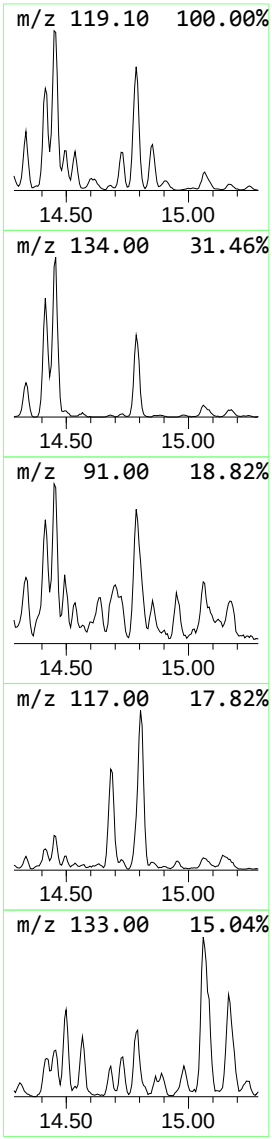
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.786	13.81 ug/L	253096	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	93
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

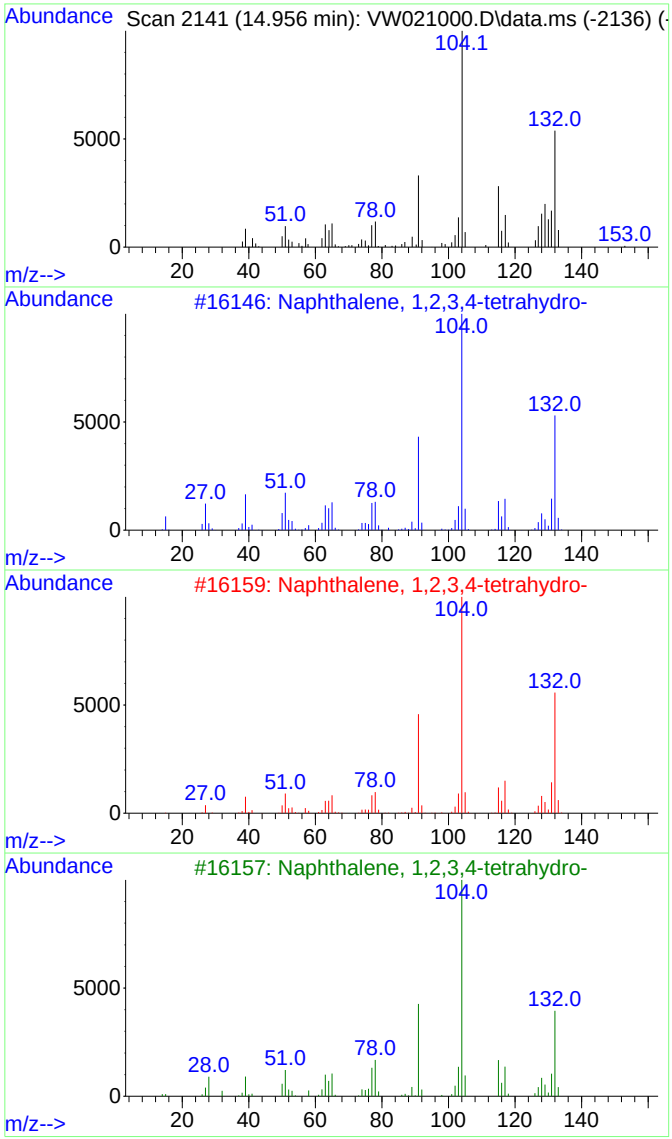
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

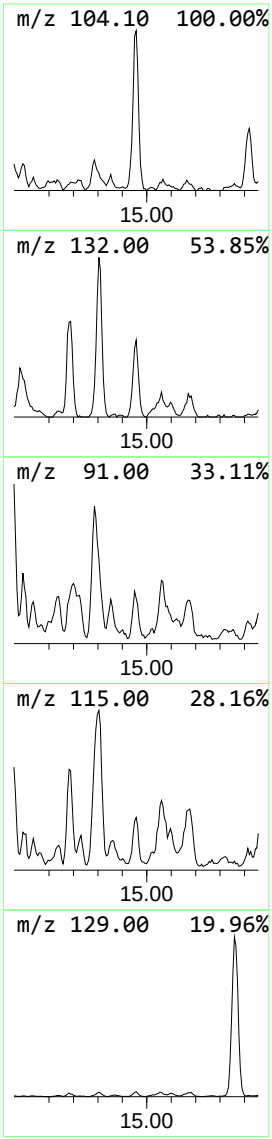
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.956	2.57 ug/L	47060	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	94
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	92
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	86
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	76
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

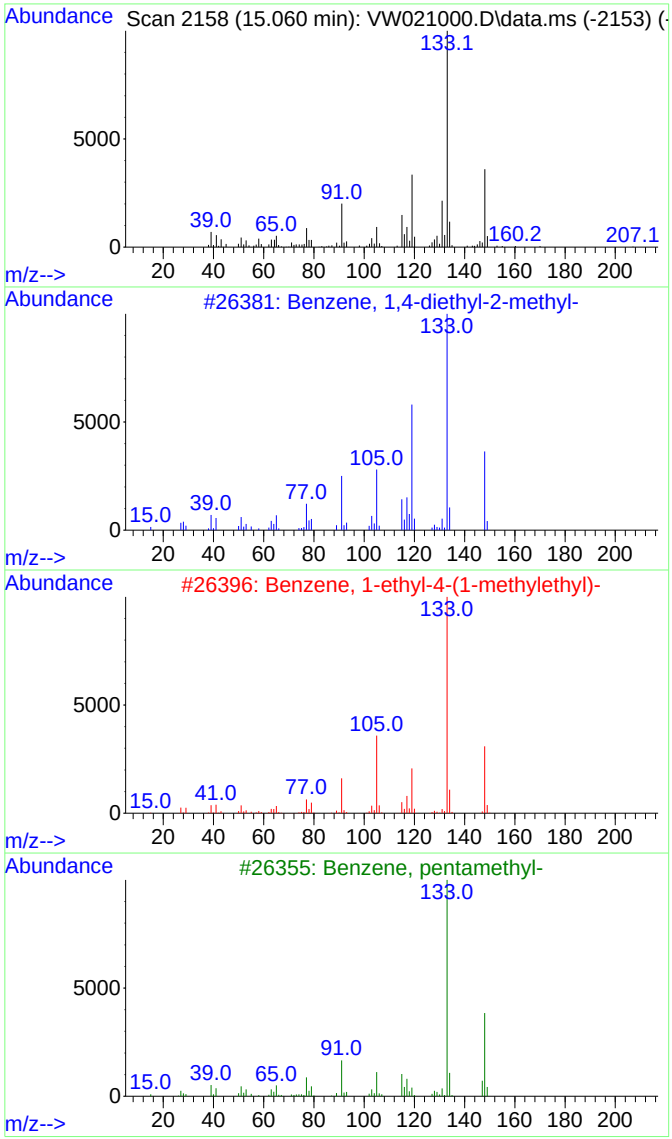
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

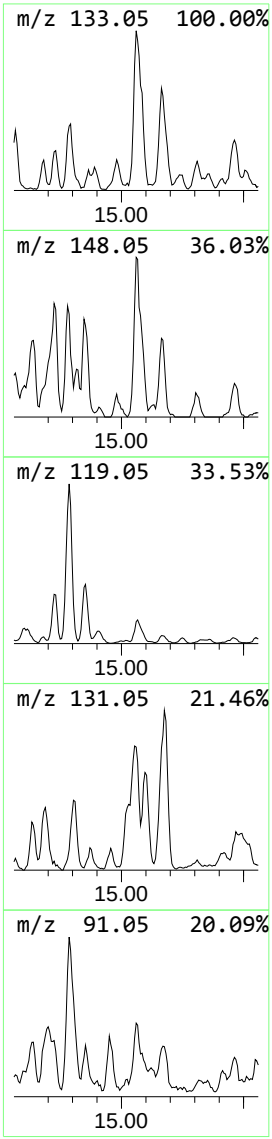
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	7.31 ug/L	133902	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	81
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	72
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	70
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	64
5	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

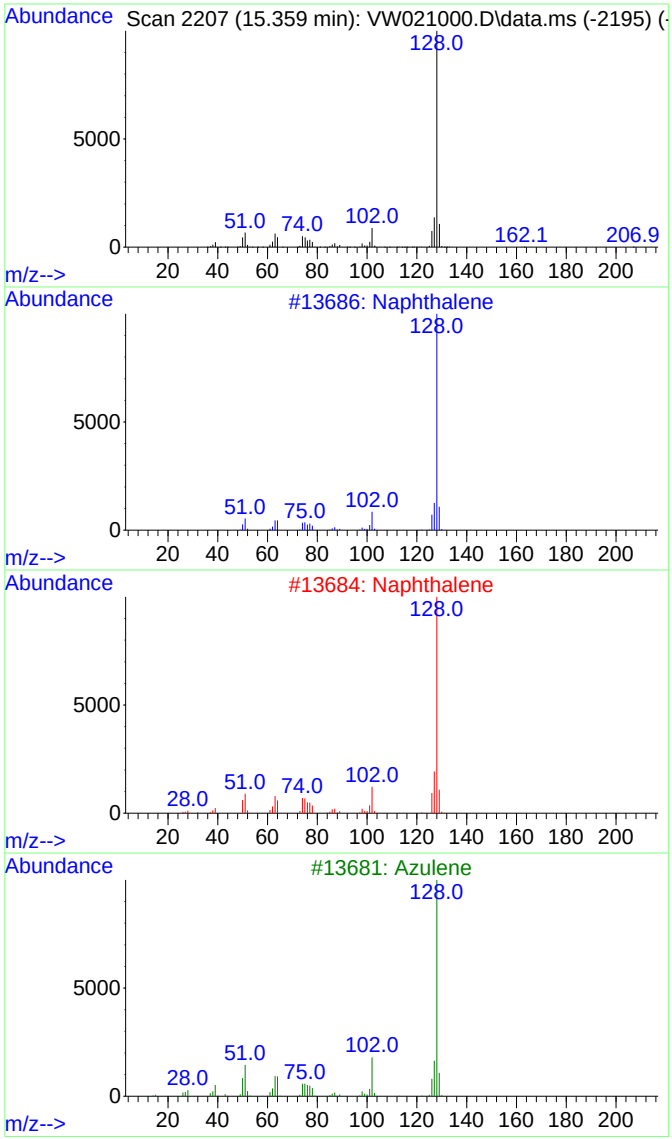
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

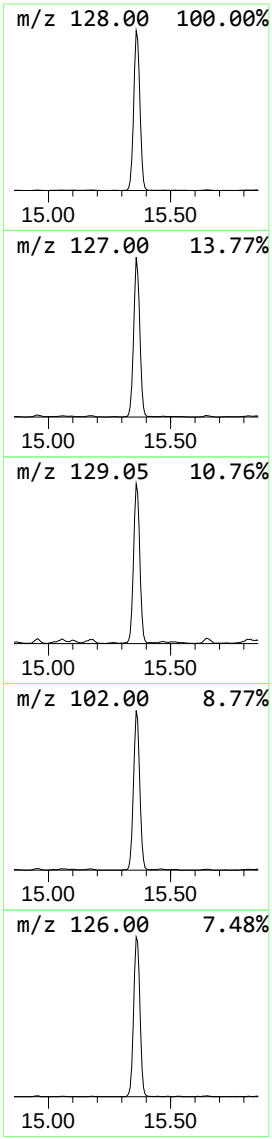
****

Peak Number 40 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.359	72.28 ug/L	1324480	1,4-Dichlorobenzene-d4	13.554

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	91
4	Azulene	128	C10H8	000275-51-4	91
5	Azulene	128	C10H8	000275-51-4	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

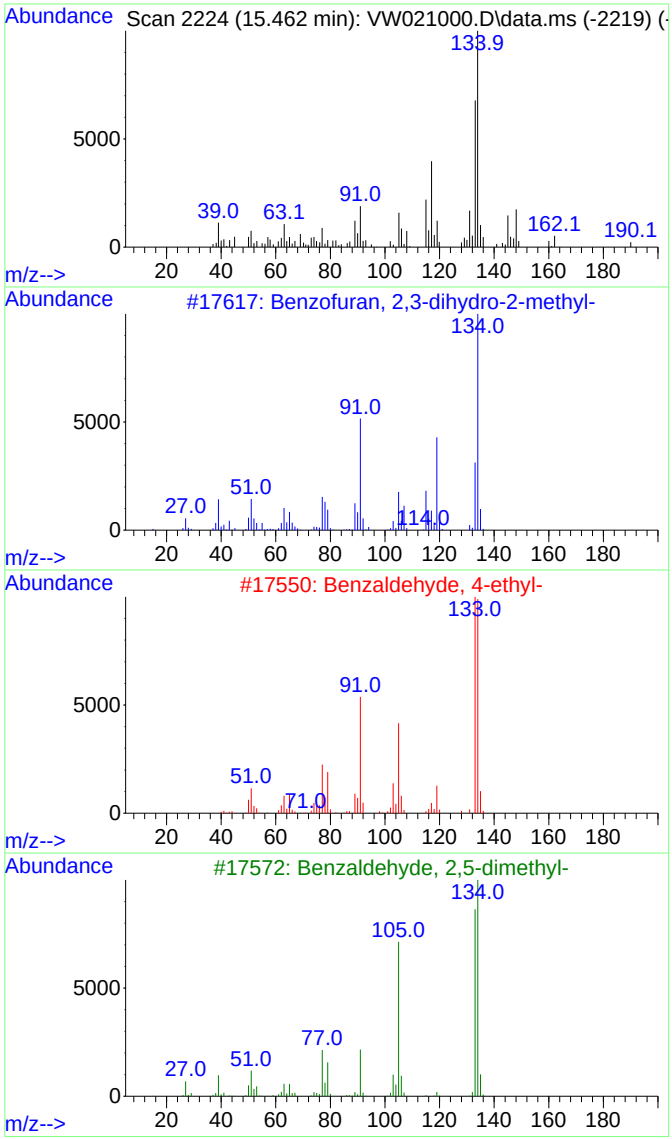
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

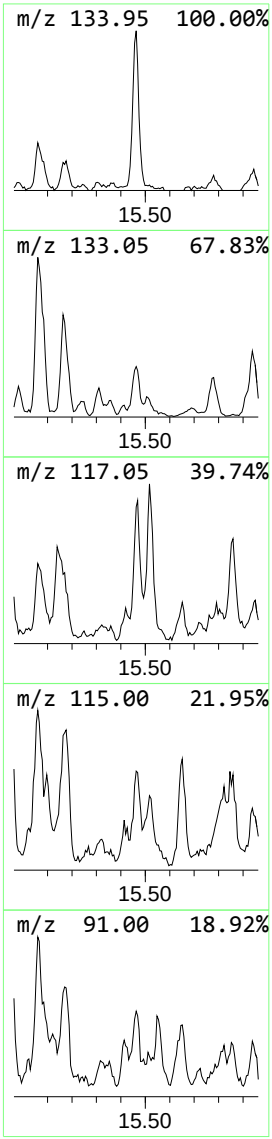
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 unknown-02 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.462	2.39 ug/L	43835	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2,3-dihydro-2-methyl-	134	C9H10O	001746-11-8	49
2	Benzaldehyde, 4-ethyl-	134	C9H10O	004748-78-1	49
3	Benzaldehyde, 2,5-dimethyl-	134	C9H10O	005779-94-2	43
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	42
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

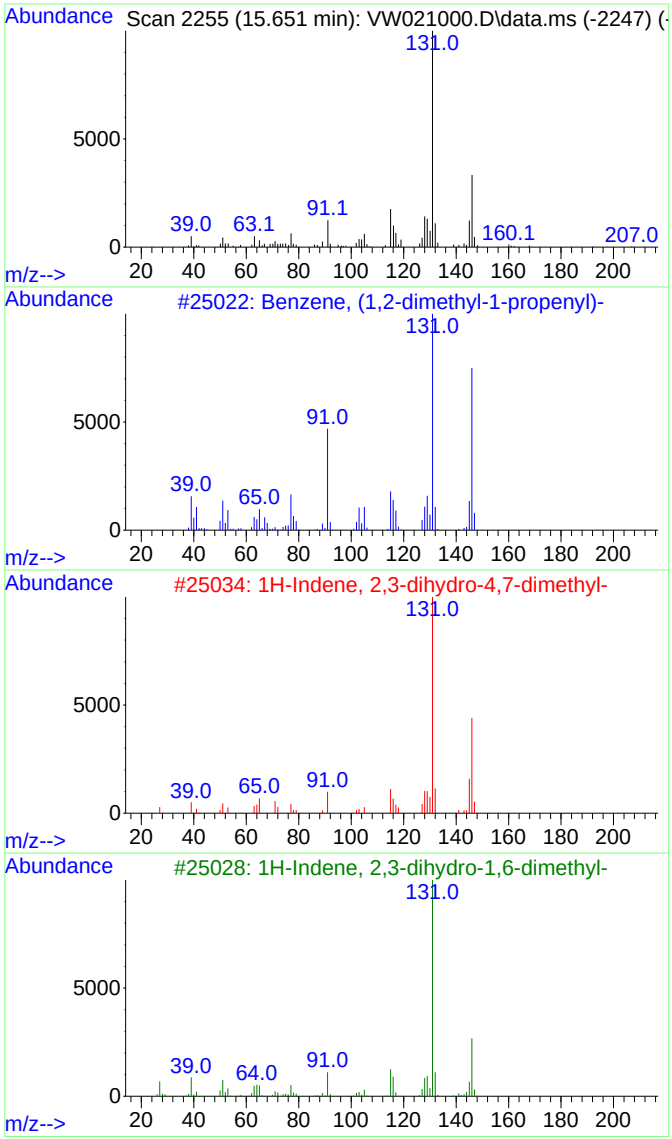
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

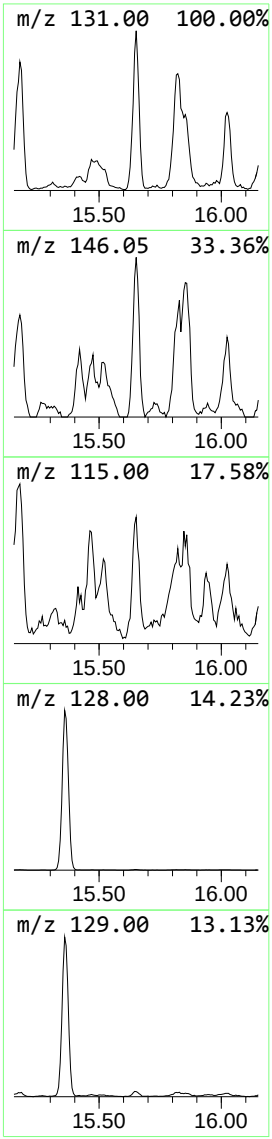
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	3.65 ug/L	66862	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	97
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	97
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	95
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

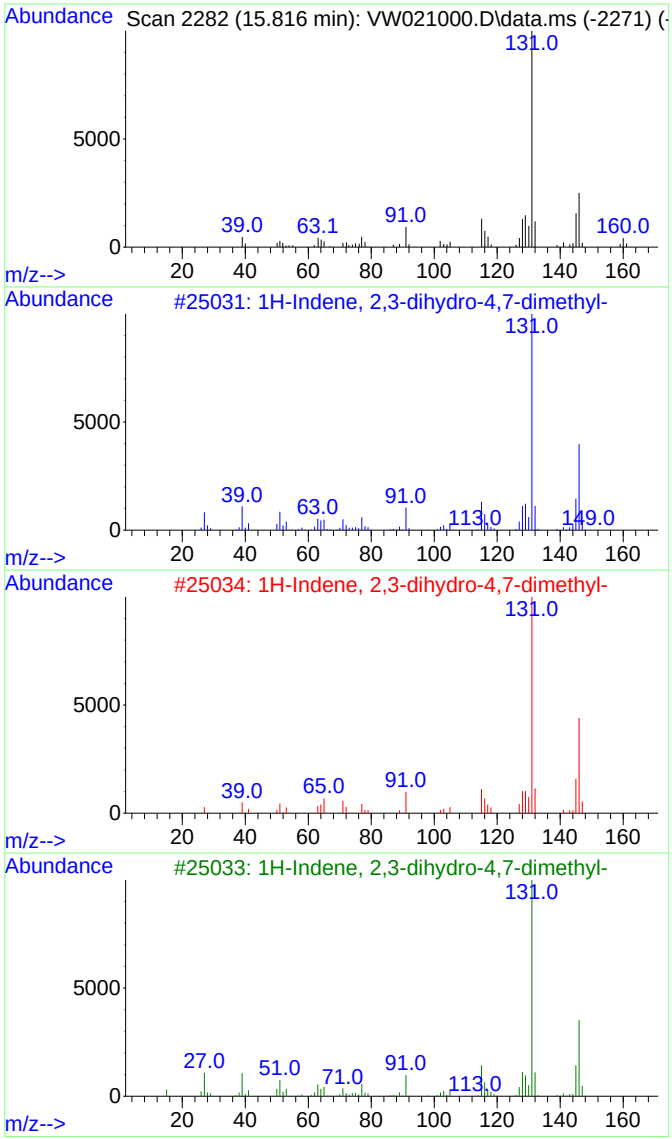
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

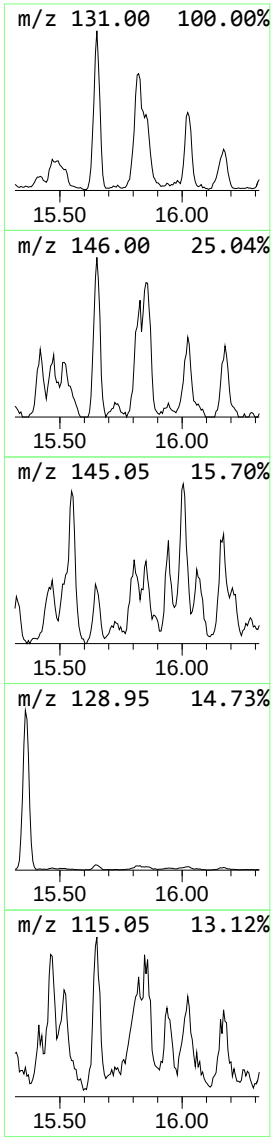
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.816	2.73 ug/L	49998	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	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	90
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	87
5	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

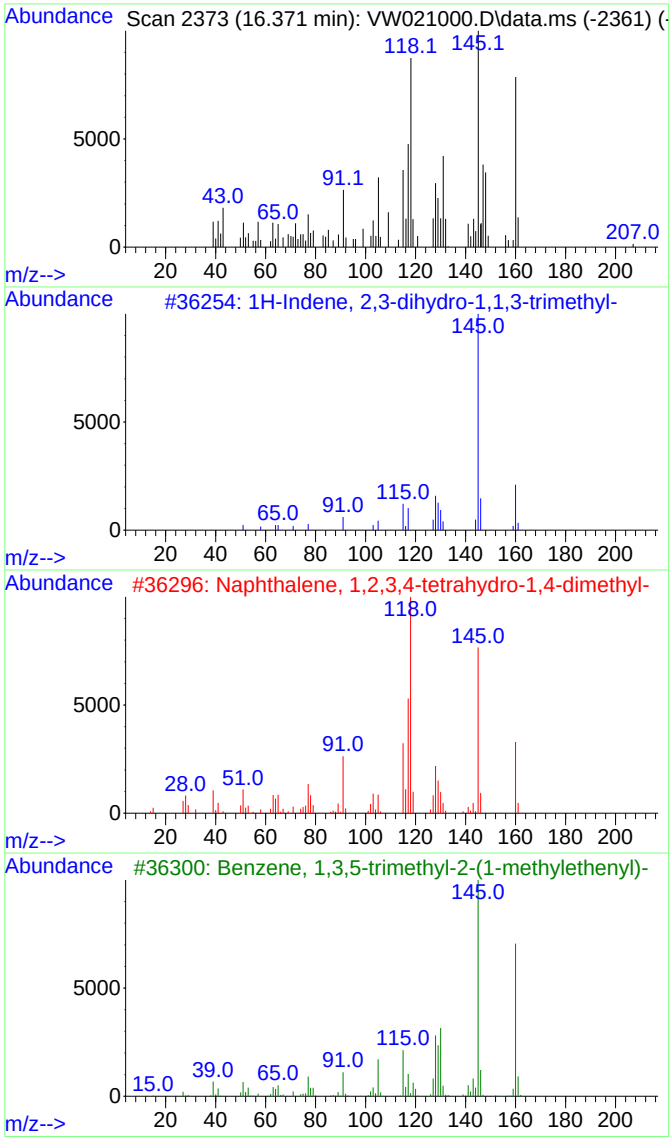
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

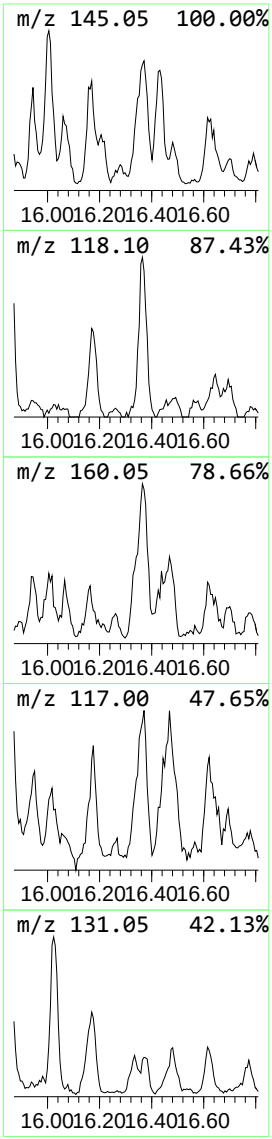
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.371	3.23 ug/L	59180	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	78
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	70
3	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	50
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	46
5	Hex-3-ene-1,5-diyne, 3,4-diisopr...	160	C12H16	1000211-22-8	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

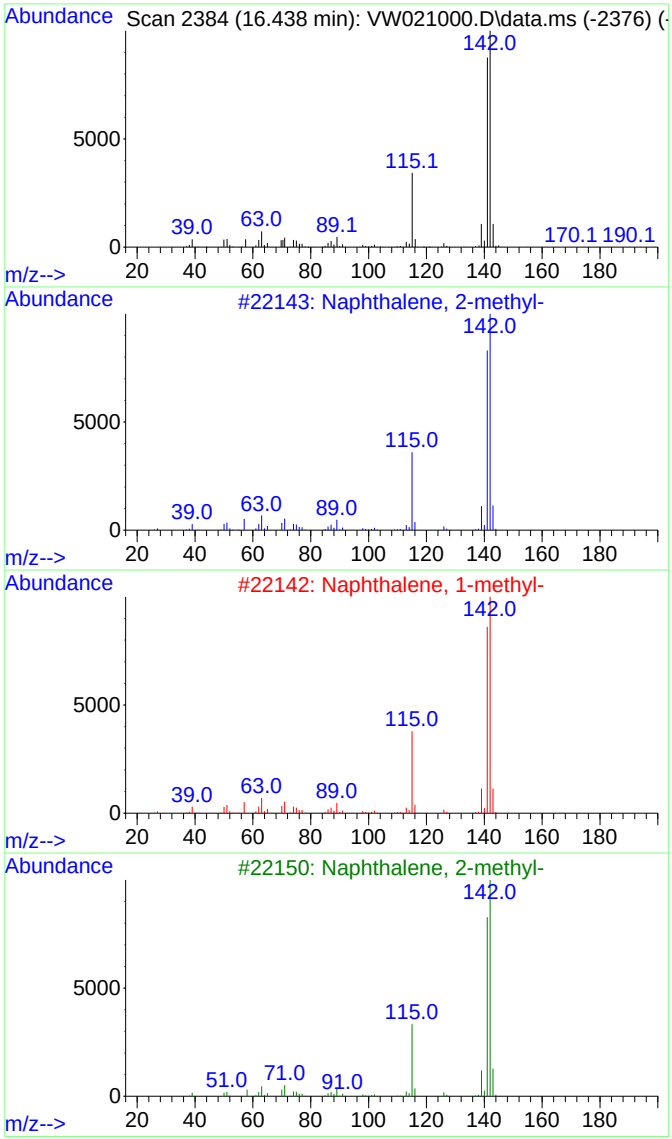
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

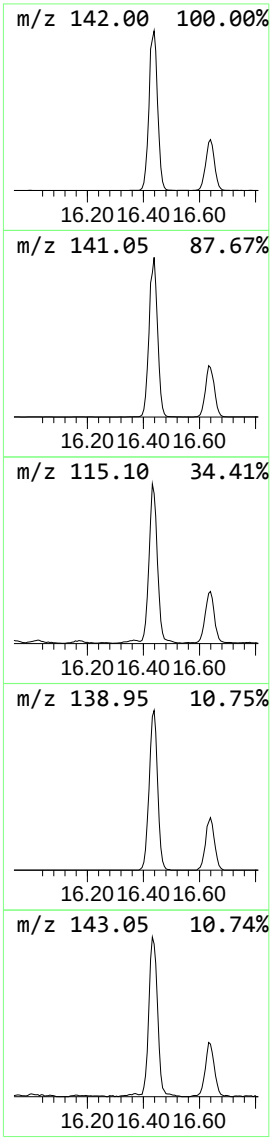
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 1,4-Methanonaphthalene, 1,4... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.438	47.33 ug/L	867284	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW021000.D
Acq On : 01 Dec 2021 12:08
Operator : SY/VA
Sample : M4868-02
Misc : 7.08g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.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
Ethyl ether	3.678	20.9	ug/L	316958	1	8.842	378942	25.0
(DEL) Alkane: S...	8.683	1.7	ug/L	25423	1	8.842	378942	25.0
(DEL) Alkane: S...	10.500	1.5	ug/L	28417	2	11.628	472062	25.0
(DEL) Alkane: S...	11.408	2.8	ug/L	52643	2	11.628	472062	25.0
(DEL) Alkane: S...	11.512	1.6	ug/L	29399	2	11.628	472062	25.0
(DEL) Alkane: S...	12.250	1.5	ug/L	28941	2	11.628	472062	25.0
Pentalene, octa...	12.335	4.2	ug/L	78736	2	11.628	472062	25.0
(DEL) Alkane: C...	12.384	1.4	ug/L	26164	2	11.628	472062	25.0
Benzene, propyl-	12.798	11.2	ug/L	205838	3	13.554	458111	25.0
Benzene, 1-ethy...	12.865	37.9	ug/L	695223	3	13.554	458111	25.0
Benzene, 1-ethy...	13.103	18.9	ug/L	346046	3	13.554	458111	25.0
Benzene, 1-meth...	13.384	4.3	ug/L	78174	3	13.554	458111	25.0
o-Cymene	13.438	5.8	ug/L	106170	3	13.554	458111	25.0
unknown-01	13.481	4.7	ug/L	86222	3	13.554	458111	25.0
Benzene, 1,2-di...	13.719	3.7	ug/L	67424	3	13.554	458111	25.0
Benzene, 2-prop...	13.749	28.3	ug/L	517846	3	13.554	458111	25.0
Benzene, 2-ethy...	13.786	17.4	ug/L	317999	3	13.554	458111	25.0
Indene	13.938	10.3	ug/L	189157	3	13.554	458111	25.0
Benzene, 1-meth...	14.005	7.7	ug/L	141433	3	13.554	458111	25.0
Benzene, 1-ethy...	14.036	6.3	ug/L	115346	3	13.554	458111	25.0
Benzene, 4-ethy...	14.091	11.0	ug/L	201634	3	13.554	458111	25.0
Benzene, 1,3-di...	14.200	7.0	ug/L	127706	3	13.554	458111	25.0
Benzene, 1-ethy...	14.335	4.5	ug/L	82967	3	13.554	458111	25.0
Benzene, 1,2,4,...	14.414	8.5	ug/L	155281	3	13.554	458111	25.0
p-Cymene	14.450	8.7	ug/L	158754	3	13.554	458111	25.0
Benzene, 2,4-di...	14.493	2.7	ug/L	49389	3	13.554	458111	25.0
Cyclopropane, 1...	14.682	4.3	ug/L	79691	3	13.554	458111	25.0
1,3-Cyclopentad...	14.786	13.8	ug/L	253096	3	13.554	458111	25.0
Naphthalene, 1,...	14.956	2.6	ug/L	47060	3	13.554	458111	25.0
Benzene, 1,4-di...	15.060	7.3	ug/L	133902	3	13.554	458111	25.0
Azulene	15.359	72.3	ug/L	1324480	3	13.554	458111	25.0
unknown-02	15.462	2.4	ug/L	43835	3	13.554	458111	25.0
Benzene, (1,2-d...	15.651	3.6	ug/L	66862	3	13.554	458111	25.0
1H-Indene, 2,3-...	15.816	2.7	ug/L	49998	3	13.554	458111	25.0
1H-Indene, 2,3-...	16.371	3.2	ug/L	59180	3	13.554	458111	25.0
1,4-Methanonaph...	16.438	47.3	ug/L	867284	3	13.554	458111	25.0