LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

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: VW020998.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.361	65	75	84	rBV2	195568	338531	0.93%	0.238%
2	2.501	92	98	110	rBV	25204	51394	0.14%	0.036%
3	3.684	282	292	314	rBV	736354	1708749	4.68%	1.200%
4	4.019	336	347	356	rBV2	41667	118863	0.33%	0.083%
5	4.123	356	364	375	rVV	63830	172393	0.47%	0.121%
6	4.921	481	495	517	rBV3	34268	150214	0.41%	0.105%
7	5.427	565	578	594	rBV4	28985	95531	0.26%	0.067%
8	5.945	652	663	674	rVB2	16794	50357	0.14%	0.035%
9	7.171	852	864	875	rVV	3201897	8167956	22.37%	5.735%
10	7.256	875	878	893	rVB	28961	59708	0.16%	0.042%
11	7.652	932	943	959	rVB	57801	150781	0.41%	0.106%
12	7.927	979	988	999	rBV2	22601	64282	0.18%	0.045%
13	8.158	1016	1026	1034	rBV2	28907	66907	0.18%	0.047%
14	8.280	1034	1046	1047	rBV	108311	199552	0.55%	0.140%
15	8.323	1047	1053	1061	rVV	633370	1463913	4.01%	1.028%
16	8.402	1061	1066	1075	rVV	31552	81620	0.22%	0.057%
17	8.695	1105	1114	1124	rBV	45745	98922	0.27%	0.069%
18	8.841	1130	1138	1158	rVB	167881	331351	0.91%	0.233%
19	9.085	1168	1178	1185	rBV3	49536	134607	0.37%	0.095%
20	9.274	1202	1209	1214	rBV	74161	165174	0.45%	0.116%
21	9.335	1214	1219	1225	rVV3	41199	96367	0.26%	0.068%
22	9.957	1316	1321	1329	rBV2	21504	47915	0.13%	0.034%
23	10.036	1329	1334	1339	rVB	33411	52358	0.14%	0.037%
24	10.097	1339	1344	1355	rVB	25646	60042	0.16%	0.042%
25	10.207	1355	1362	1374	rBV	50859	103828	0.28%	0.073%
26	10.323	1374	1381	1386	rBV	182788	341235	0.93%	0.240%
27	10.390	1386	1392	1404	rVB	2188578	3782030	10.36%	2.655%
28	10.506	1404	1411	1417	rVB2	50998	95822	0.26%	0.067%
29	10.579	1417	1423	1433	rBV2	27756	55097	0.15%	0.039%
30	10.926	1474	1480	1486	rBV3	35763	76396	0.21%	0.054%
31	11.182	1517	1522	1526	rVV	40120	76445	0.21%	0.054%
32	11.231	1526	1530	1534	rVV	28359	52762	0.14%	0.037%
33	11.274	1534	1537	1544	rVV3	20371	45762	0.13%	0.032%
34	11.414	1551	1560	1571	rVB3	61350	188530	0.52%	0.132%
35	11.511	1571	1576	1582	rBV2	55128	101095	0.28%	0.071%
36	11.633	1589	1596	1605	rBV2	210586	490930	1.34%	0.345%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

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	1605	1612	1622	rVV	8452833	13305888	36.44%	9.342%
38	11.841	1622	1630	1640	rVV2	16322916	36513244	100.00%	25.635%
39	11.920	1640	1643	1648	rVB2	47097	73688	0.20%	0.052%
40	12.170	1671	1684	1692	rBV	7713315	12545172	34.36%	8.808%
41	12.249	1694	1697	1701	rVB	43596	66901	0.18%	0.047%
42	12.304	1701	1706	1708	rBV2	34219	58453	0.16%	0.041%
43	12.341	1708	1712	1715	rVV2	85979	165753	0.45%	0.116%
44	12.383	1716	1719	1723	rVV	100541	174935	0.48%	0.123%
45	12.463	1726	1732	1739	rVV	1167384	1867885	5.12%	1.311%
46	12.566	1742	1749	1754	rVV4	91289	204506	0.56%	0.144%
47	12.652	1760	1763	1766	rVV	37880	50527	0.14%	0.035%
48	12.694	1766	1770	1776	rVV3	73258	130427	0.36%	0.092%
49	12.804	1776	1788	1793	rVV	746587	1278106	3.50%	0.897%
50	12.865	1793	1798	1802	rVV	3089881	5086398	13.93%	3.571%
51	12.895	1802	1803	1807	rVV	1419531	1847244	5.06%	1.297%
52	12.944	1807	1811	1816	rVV	2099159	3370517	9.23%	2.366%
53	12.993	1816	1819	1824	rVB	102453	149963	0.41%	0.105%
54	13.103	1829	1837	1844	rBV	1341070	2332800	6.39%	1.638%
55	13.170	1844	1848	1851	rVV3	45410	78143	0.21%	0.055%
56	13.249	1855	1861	1867	rVV	6191123	9329368	25.55%	6.550%
57	13.298	1867	1869	1874	rVV2	82399	105720	0.29%	0.074%
58	13.377	1874	1882	1887	rVV2	147296	357909	0.98%	0.251%
59	13.444	1887	1893	1896	rVV2	329221	574140	1.57%	0.403%
60	13.493	1896	1901	1907	rVB2	189501	430032	1.18%	0.302%
61	13.584	1907	1916	1925	rBV	1690833	2970771	8.14%	2.086%
62	13.718	1932	1938	1939	rBV	260904	341764	0.94%	0.240%
63	13.755	1939	1944	1947	rVV2	1633205	2989801	8.19%	2.099%
64	13.785	1947	1949	1958	rVV3	971016	1928091	5.28%	1.354%
65	13.871	1958	1963	1969	rVB4	508196	955382	2.62%	0.671%
66	13.944	1969	1975	1980	rBV2	588508	1038337	2.84%	0.729%
67	14.011	1980	1986	1988	rBV	441484	712828	1.95%	0.500%
68	14.035	1988	1990	1995	rVB	484944	679744	1.86%	0.477%
69	14.096	1995	2000	2005	rVB	766522	1109828	3.04%	0.779%
70	14.157	2005	2010	2012	rBV	64384	93548	0.26%	0.066%
71	14.200	2012	2017	2022	rVB2	462321	753618	2.06%	0.529%
72	14.255	2022	2026	2028	rBV2	69090	112087	0.31%	0.079%
73	14.334	2034	2039	2044	rBV2	238532	374956	1.03%	0.263%
74	14.413	2044	2052	2056	rVV	455601	922568	2.53%	0.648%
75	14.456	2056	2059	2063	rVV	594642	852908	2.34%	0.599%
76	14.499	2063	2066	2069	rVV	246323	351427	0.96%	0.247%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

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	14.535	2069	2072	2076	rVV	155627	239123	0.65%	0.168%
78	14.639	2084	2089	2092	rVB2	145732	213139	0.58%	0.150%
79	14.688	2092	2097	2100	rBV2	222210	390516	1.07%	0.274%
80	14.724	2100	2103	2108	rVB2	205906	323021	0.88%	0.227%
81	14.791	2108	2114	2121	rBV3	511148	1280878	3.51%	0.899%
82	14.852	2121	2124	2130	rVB	114967	190816	0.52%	0.134%
83	14.956	2136	2141	2146	rBV2	124025	203808	0.56%	0.143%
84	15.023	2149	2152	2154	rVV3	50756	82423	0.23%	0.058%
85	15.066	2154	2159	2168	rVV3	242744	693145	1.90%	0.487%
86	15.169	2171	2176	2185	rVB3	186456	432980	1.19%	0.304%
87	15.364	2195	2208	2214	rBV	2667560	4856171	13.30%	3.409%
88	15.462	2219	2224	2229	rBV2	101715	165531	0.45%	0.116%
89	15.547	2235	2238	2247	rVB3	100997	203351	0.56%	0.143%
90	15.651	2247	2255	2262	rBV3	115429	245723	0.67%	0.173%
91	15.724	2262	2267	2271	rVV2	25949	47147	0.13%	0.033%
92	15.816	2272	2282	2285	rVV6	67066	182846	0.50%	0.128%
93	15.858	2286	2289	2296	rVV2	81075	139486	0.38%	0.098%
94	15.944	2298	2303	2309	rVB3	56398	104222	0.29%	0.073%
95	16.023	2309	2316	2322	rBV2	46250	103869	0.28%	0.073%
96	16.169	2331	2340	2351	rBV4	53872	147908	0.41%	0.104%
97	16.370	2363	2373	2376	rBV4	77412	187178	0.51%	0.131%
98	16.437	2376	2384	2398	rVV	2219847	4698453	12.87%	3.299%
99	16.565	2398	2405	2409	rVV3	26553	62940	0.17%	0.044%
100	16.639	2409	2417	2430	rVB2	705493	1616354	4.43%	1.135%

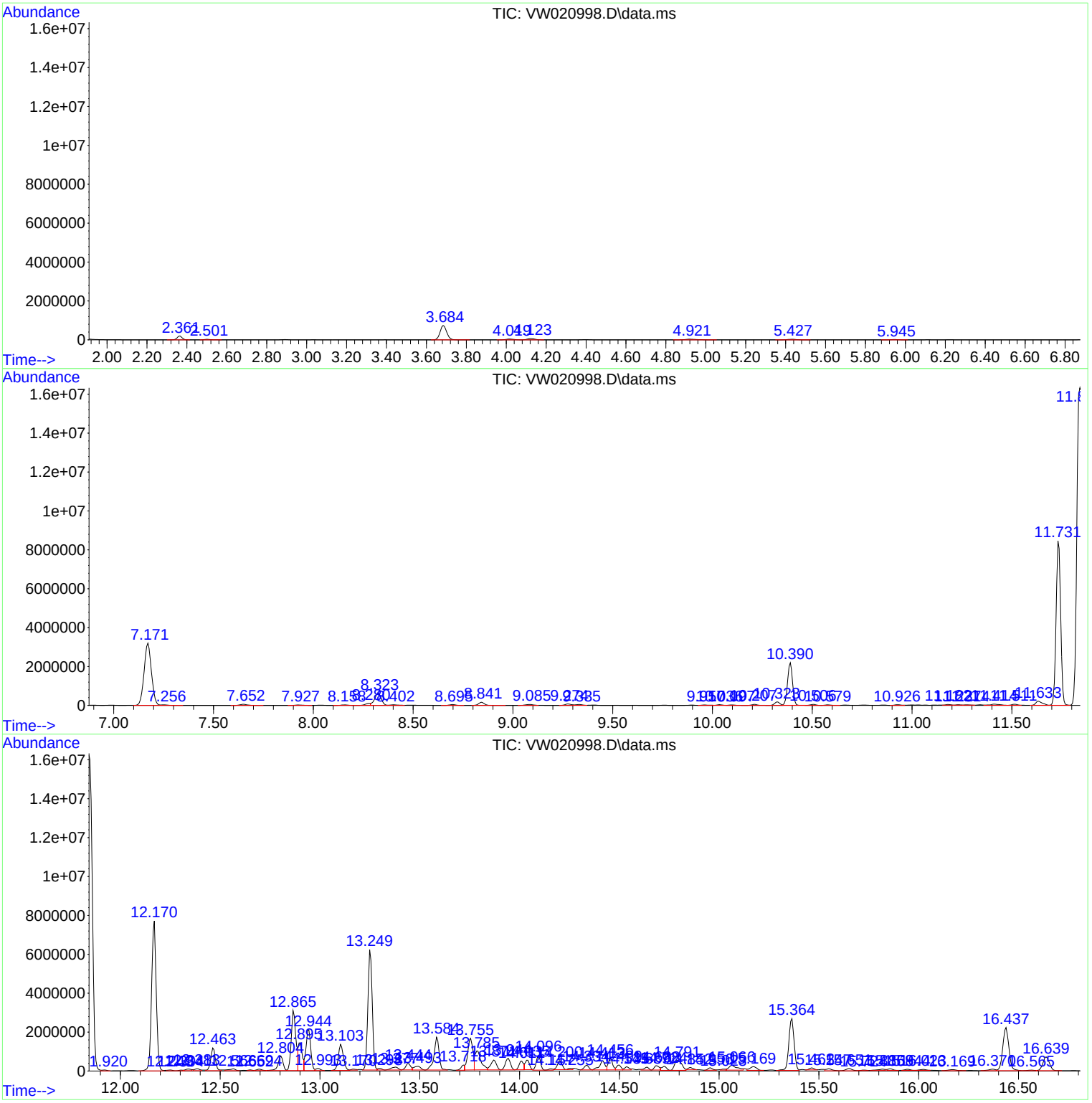
Sum of corrected areas: 142433824

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

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 : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

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

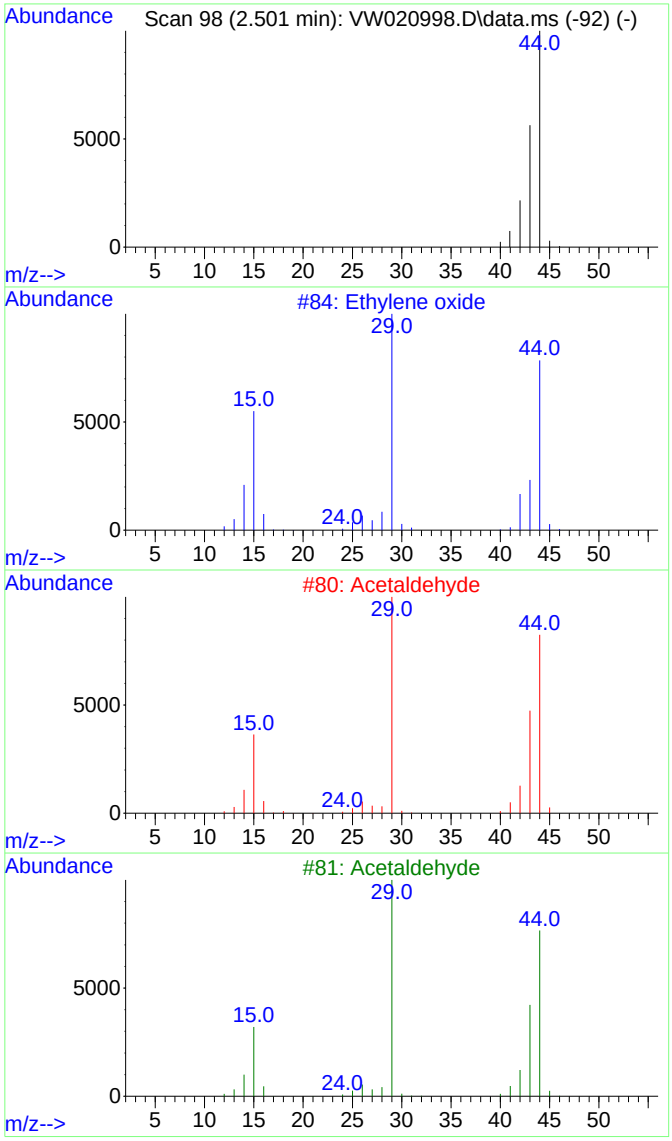
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

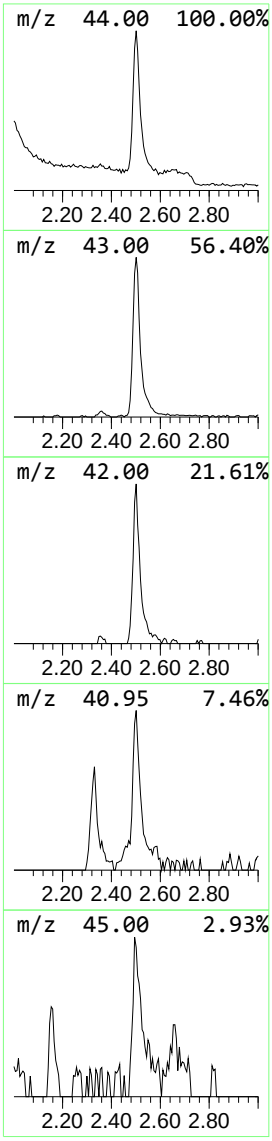
****

Peak Number 1 unknown-01 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.501	3.88 ug/L	51394	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylene oxide	44	C2H4O	000075-21-8	9
2	Acetaldehyde	44	C2H4O	000075-07-0	7
3	Acetaldehyde	44	C2H4O	000075-07-0	7
4	Propane	44	C3H8	000074-98-6	5
5	Ethylene oxide	44	C2H4O	000075-21-8	5





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

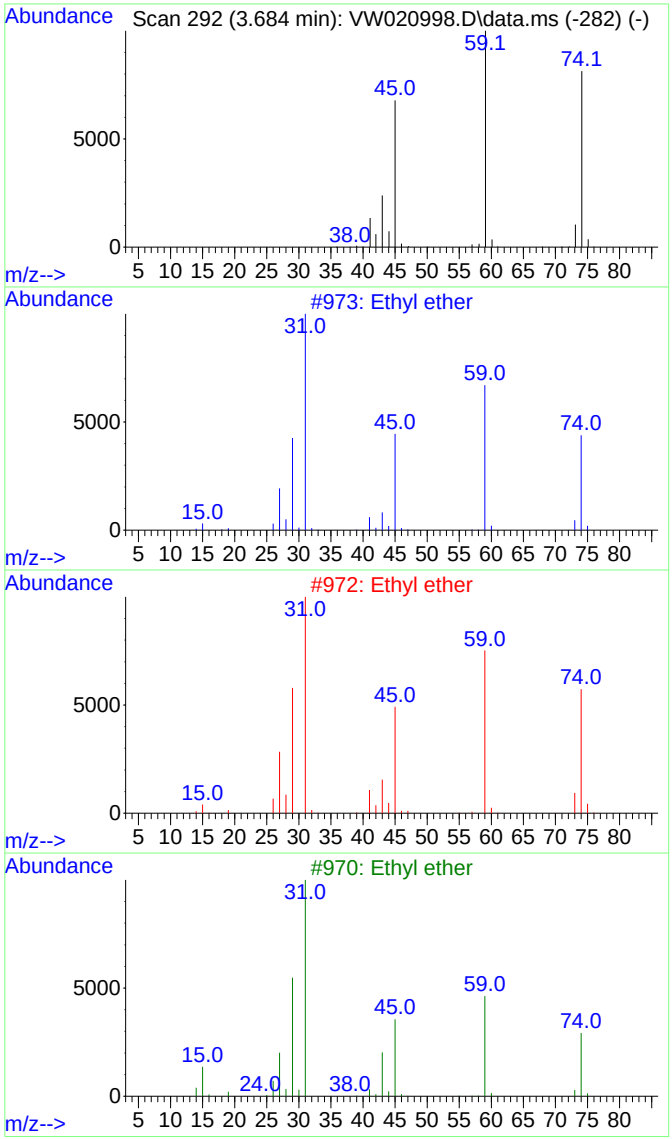
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

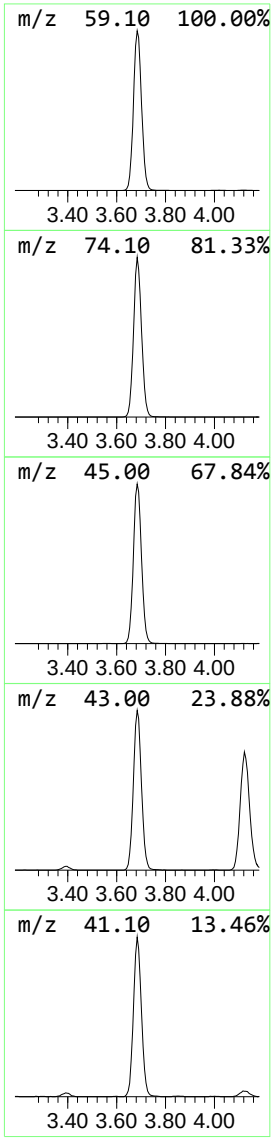
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Ethyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.684	128.92 ug/L	1708750	1,4-Difluorobenzene	8.841

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

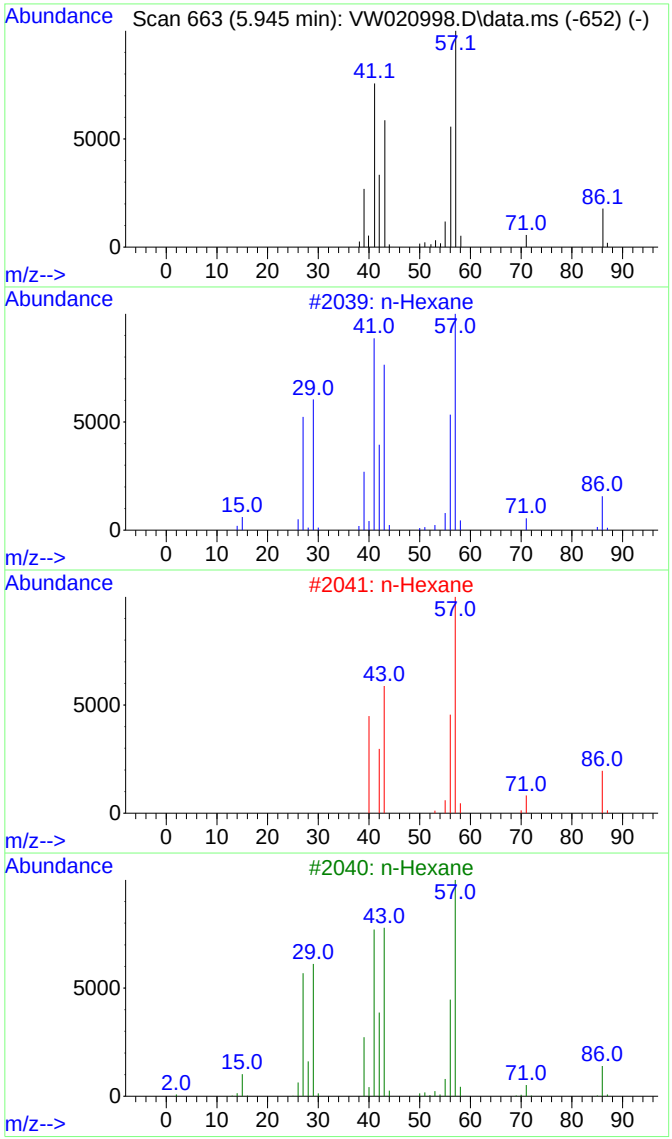
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

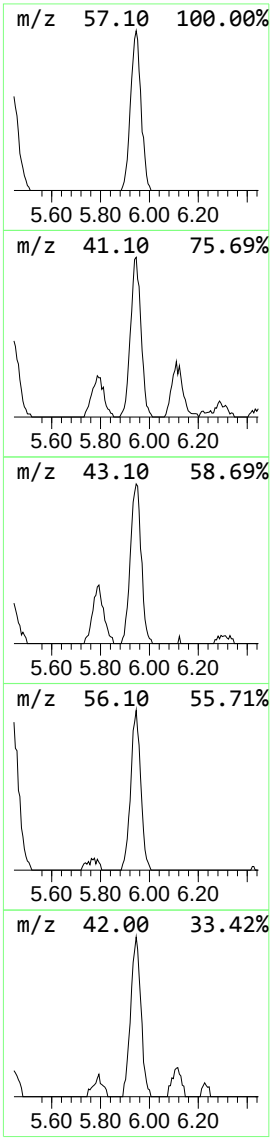
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.945	3.80 ug/L	50357	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	n-Hexane	86	C6H14	000110-54-3	72
3	n-Hexane	86	C6H14	000110-54-3	64
4	n-Hexane	86	C6H14	000110-54-3	59
5	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

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

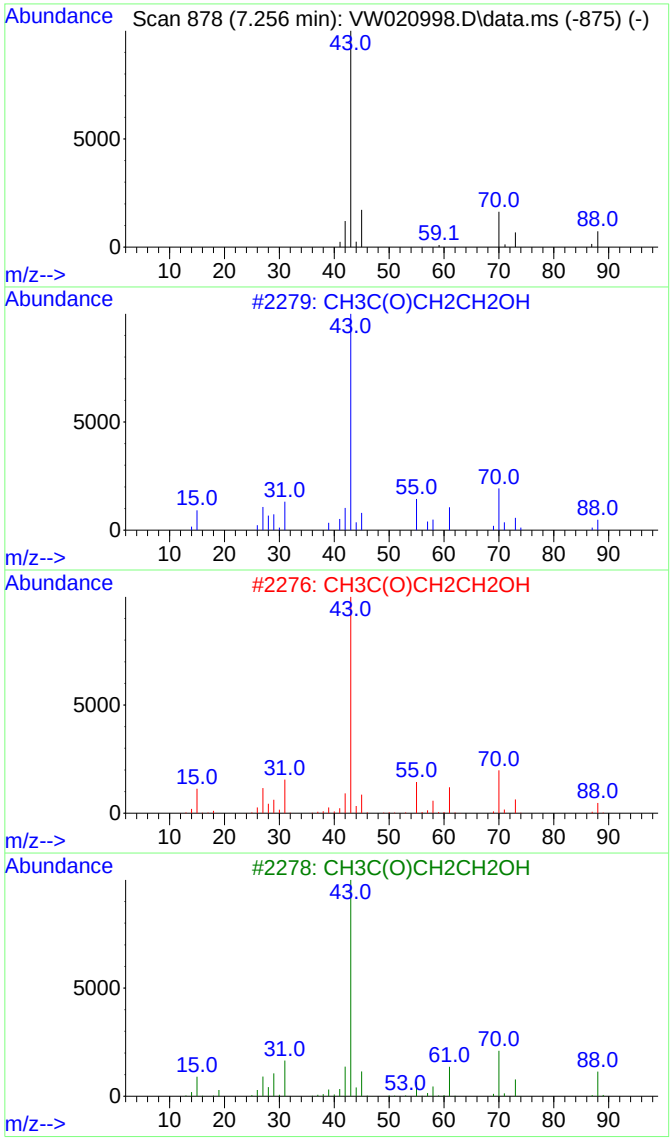
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

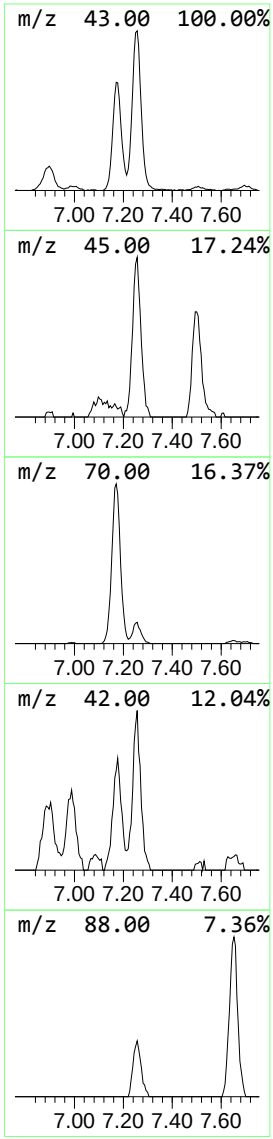
****

Peak Number 4 CH3C(O)CH2CH2OH Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.256	4.50 ug/L	59708	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	CH3C(O)CH2CH2OH	88	C4H8O2	000590-90-9	78
2	CH3C(O)CH2CH2OH	88	C4H8O2	000590-90-9	72
3	CH3C(O)CH2CH2OH	88	C4H8O2	000590-90-9	53
4	CH3C(O)CH2CH2OH	88	C4H8O2	000590-90-9	9
5	Propanoic acid, 2-methyl-	88	C4H8O2	000079-31-2	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

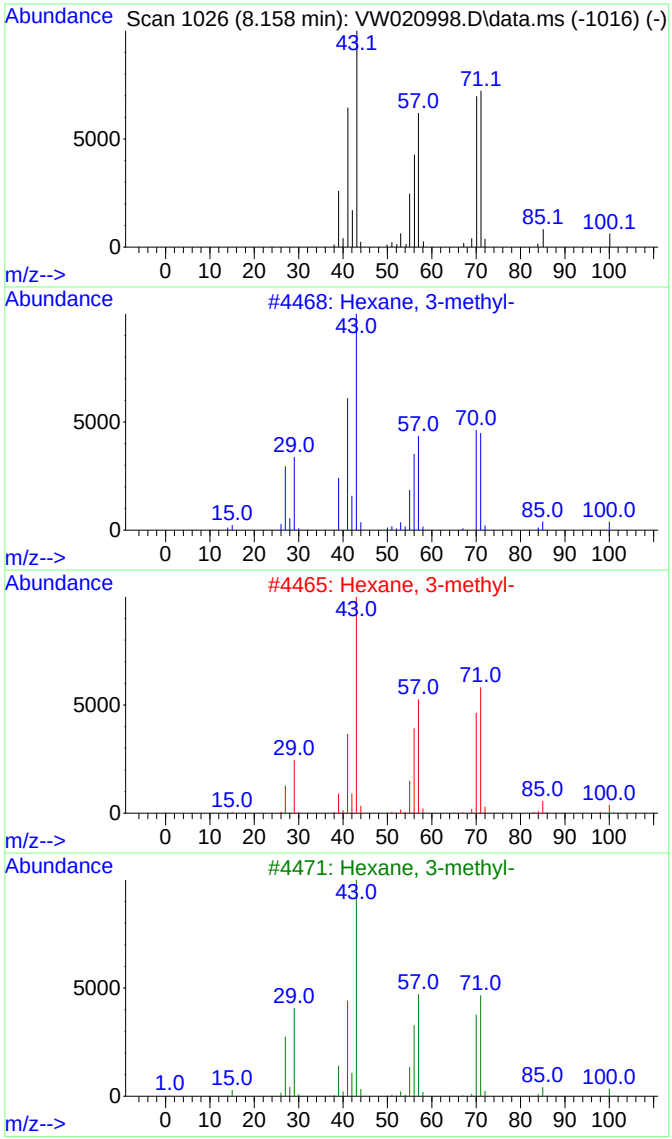
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

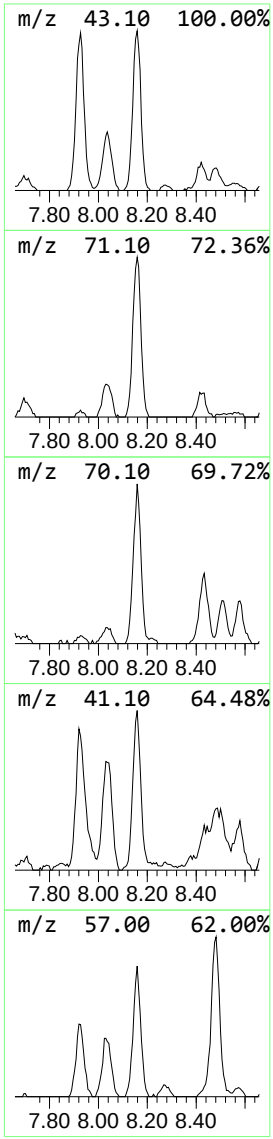
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.158	5.05 ug/L	66907	1,4-Difluorobenzene	8.841

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	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	87
4	Heptane	100	C7H16	000142-82-5	80
5	Heptane	100	C7H16	000142-82-5	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

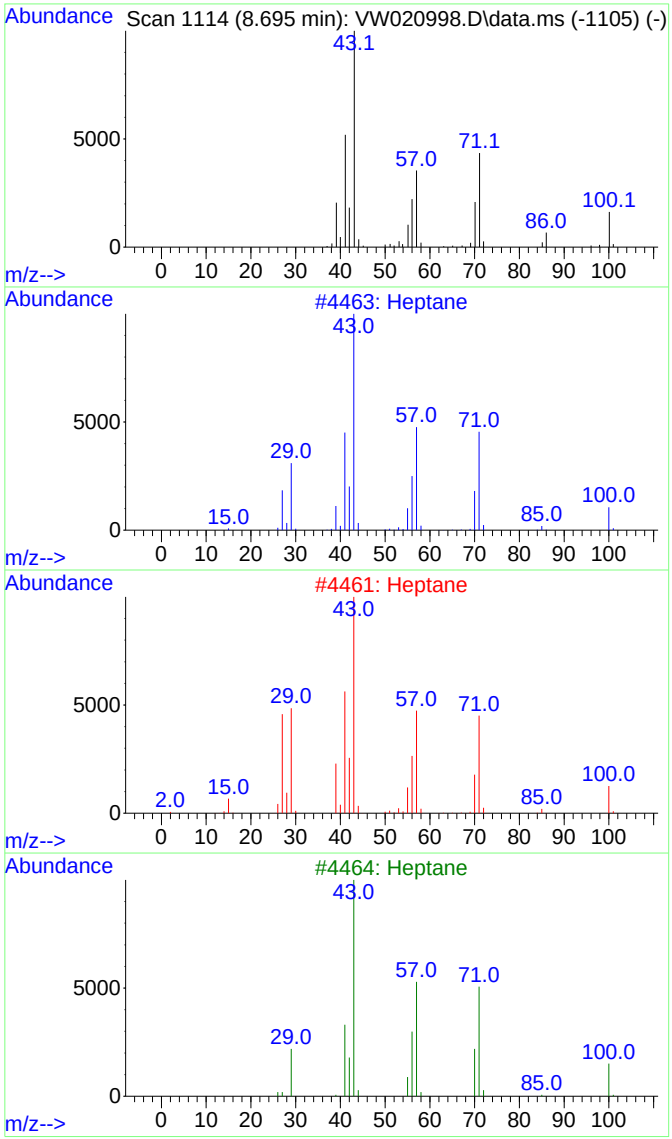
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

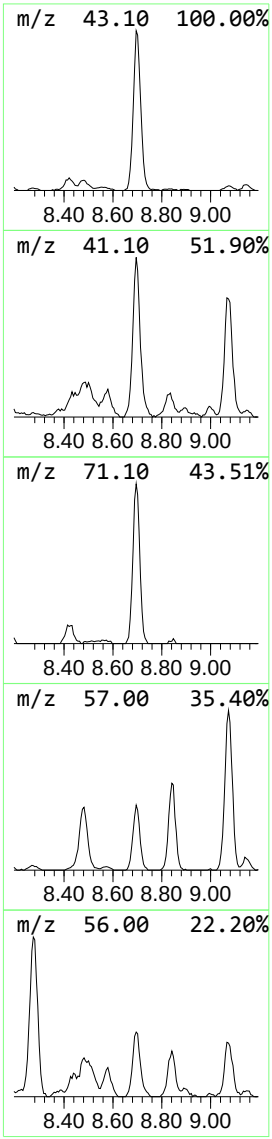
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.695	7.46 ug/L	98922	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	87
2	Heptane	100	C7H16	000142-82-5	83
3	Heptane	100	C7H16	000142-82-5	64
4	Heptane	100	C7H16	000142-82-5	53
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

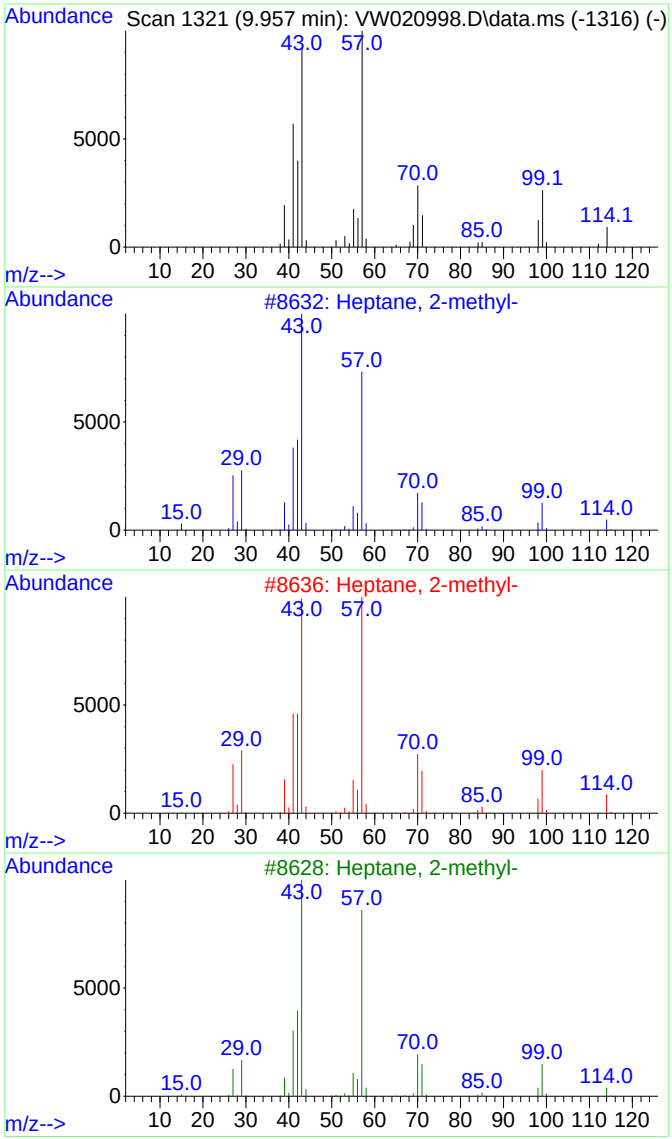
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

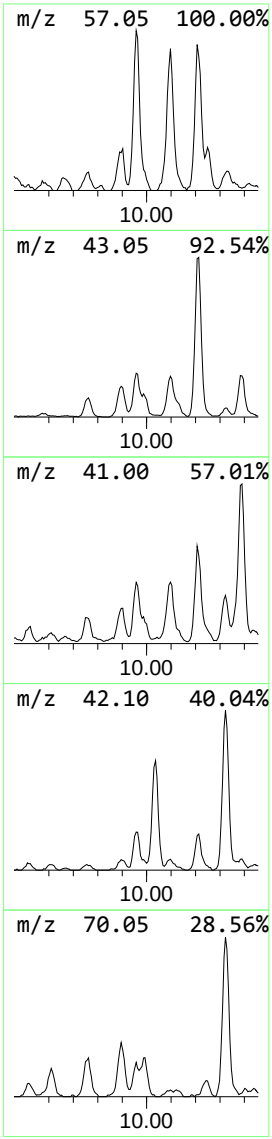
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.957	3.62 ug/L	47915	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	86
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	68
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

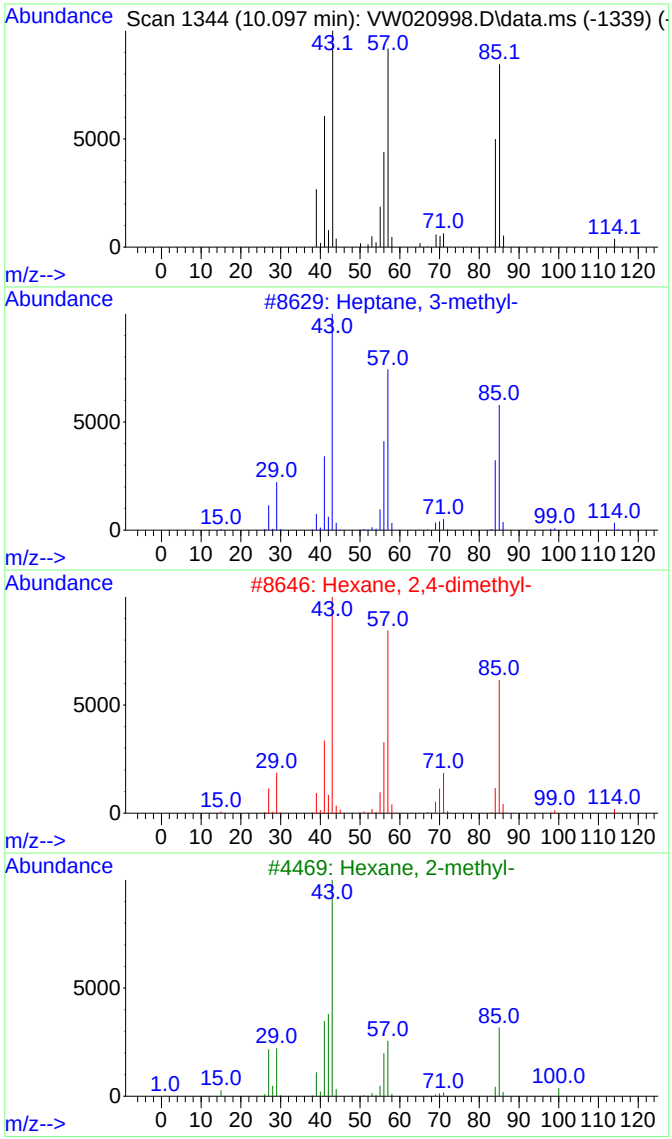
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

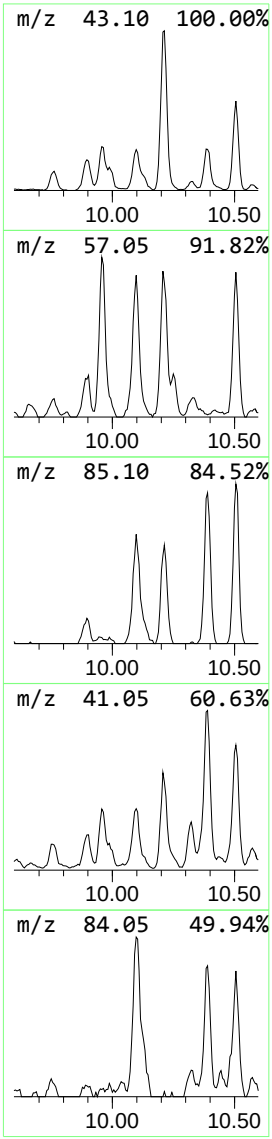
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.097	4.53 ug/L	60042	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	74
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	59
4	Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	59
5	Heptane, 3-methyl-	114	C8H18	000589-81-1	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

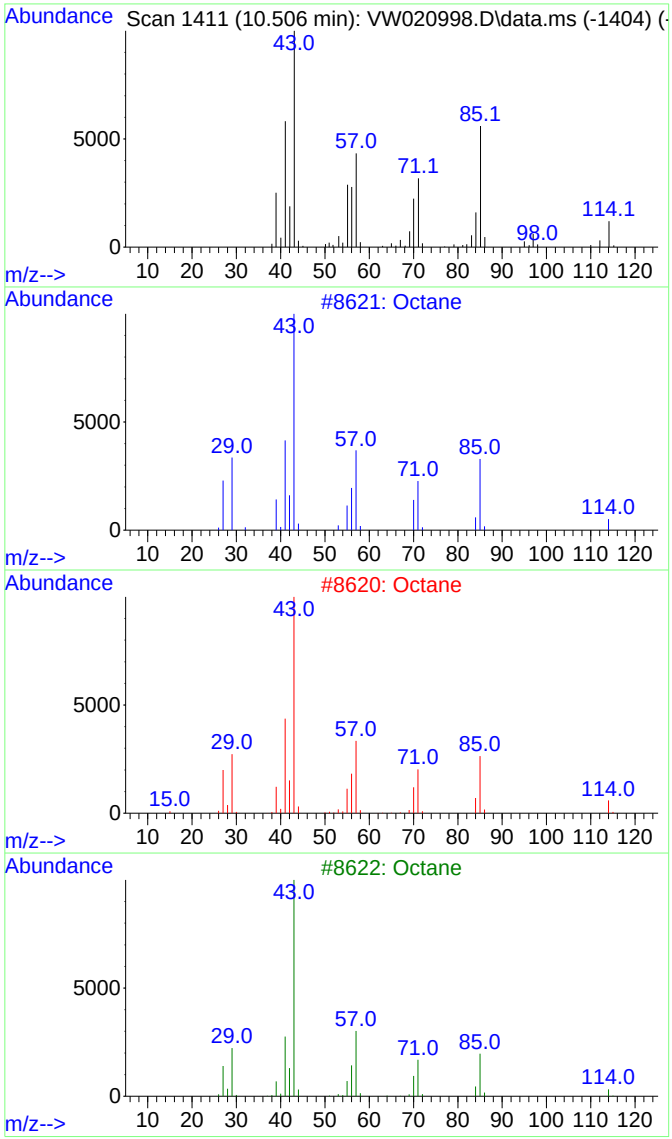
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

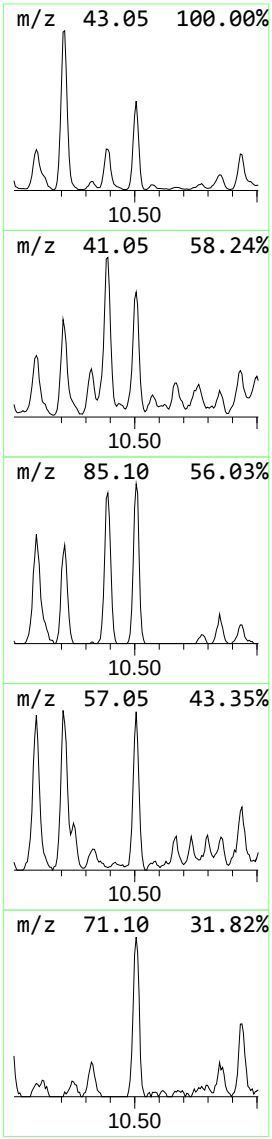
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.506	4.88 ug/L	95822	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	91
2	Octane	114	C8H18	000111-65-9	91
3	Octane	114	C8H18	000111-65-9	90
4	Octane	114	C8H18	000111-65-9	87
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

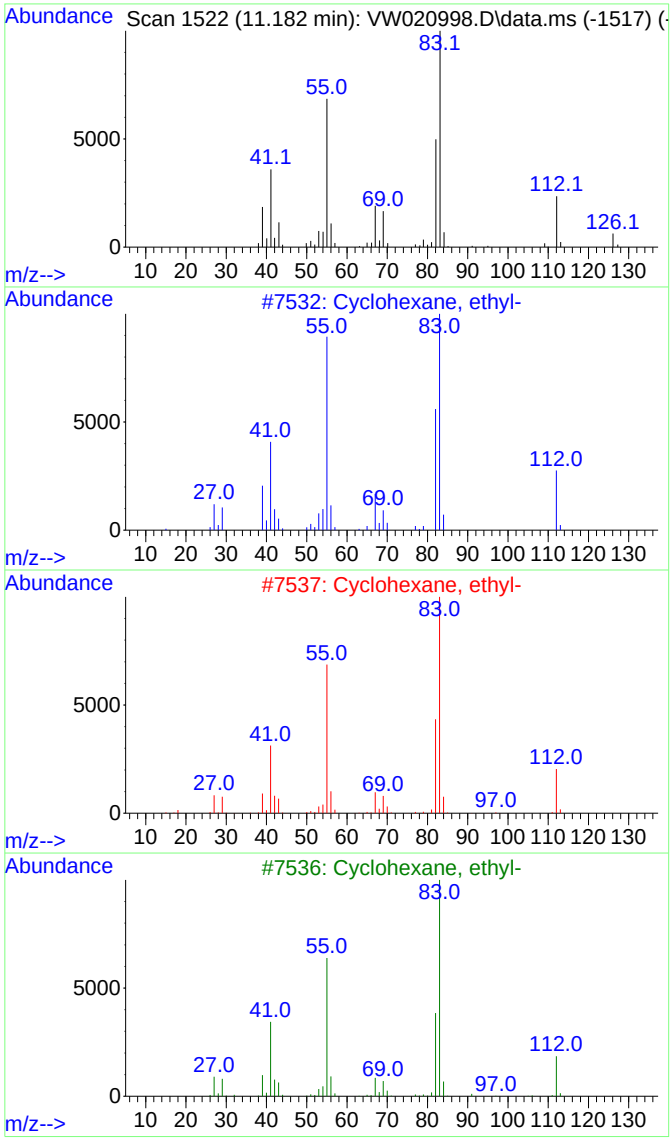
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

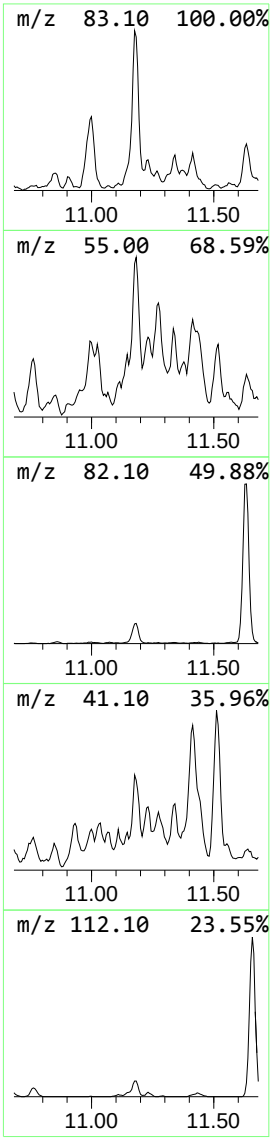
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic11.182 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.182	3.89 ug/L	76445	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	83
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	80
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

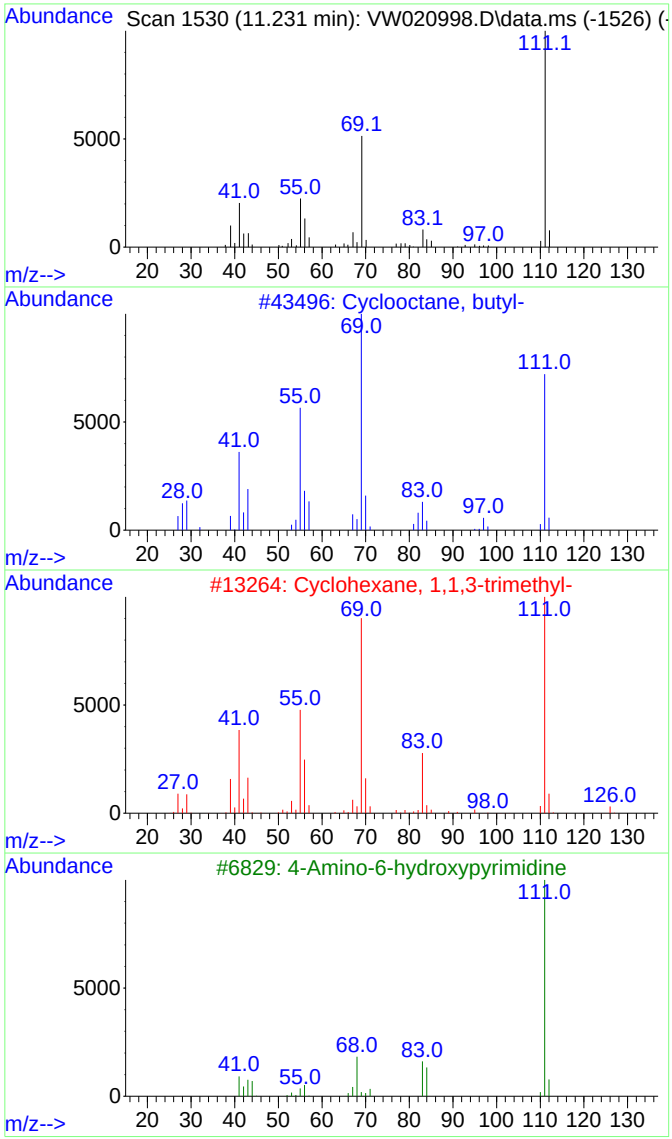
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

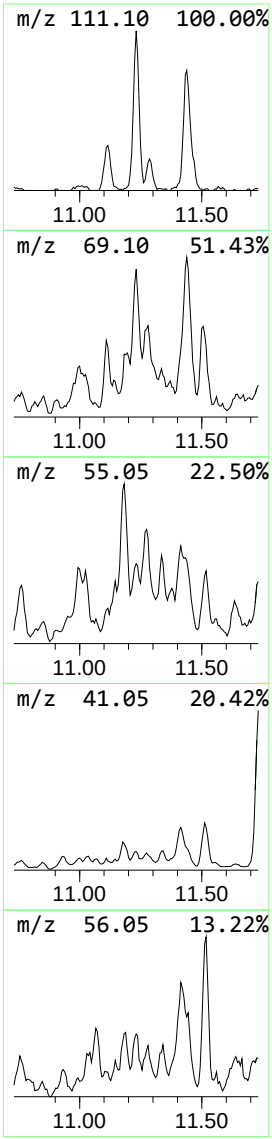
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Cyclic11.231 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.231	2.69 ug/L	52762	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, butyl-	168	C12H24	016538-93-5	74
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
3	4-Amino-6-hydroxypyrimidine	111	C4H5N3O	001193-22-2	64
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	56
5	Bruceantin	548	C28H36O11	041451-75-6	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

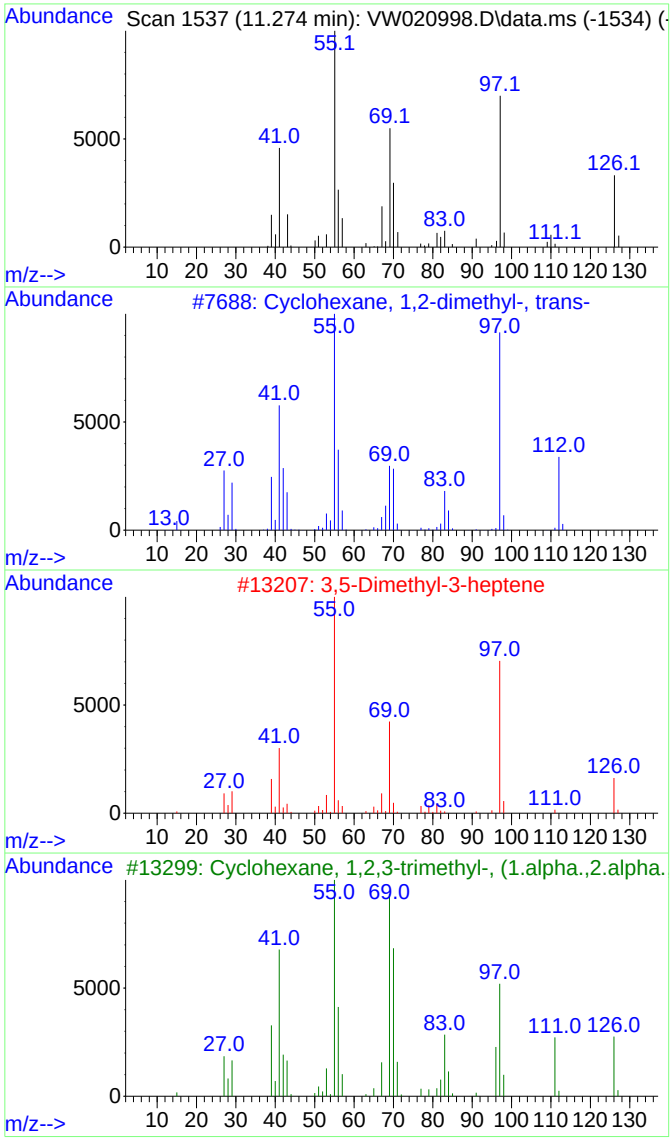
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

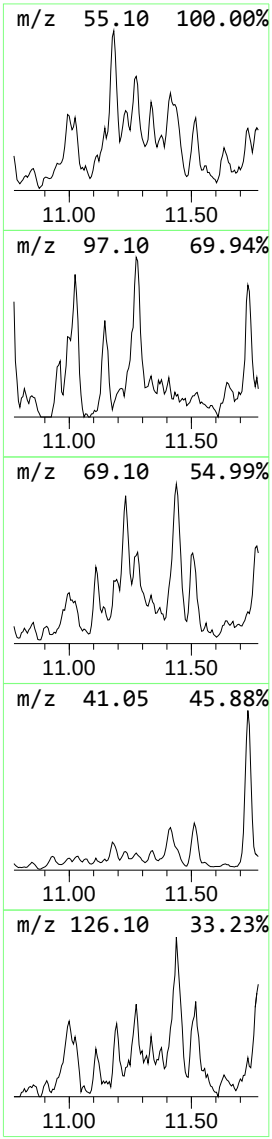
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Cyclic11.274 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.274	2.33 ug/L	45762	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	53
2	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	53
3	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	007667-55-2	53
4	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	53
5	3-Heptene, 3-ethyl-	126	C9H18	074764-46-8	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

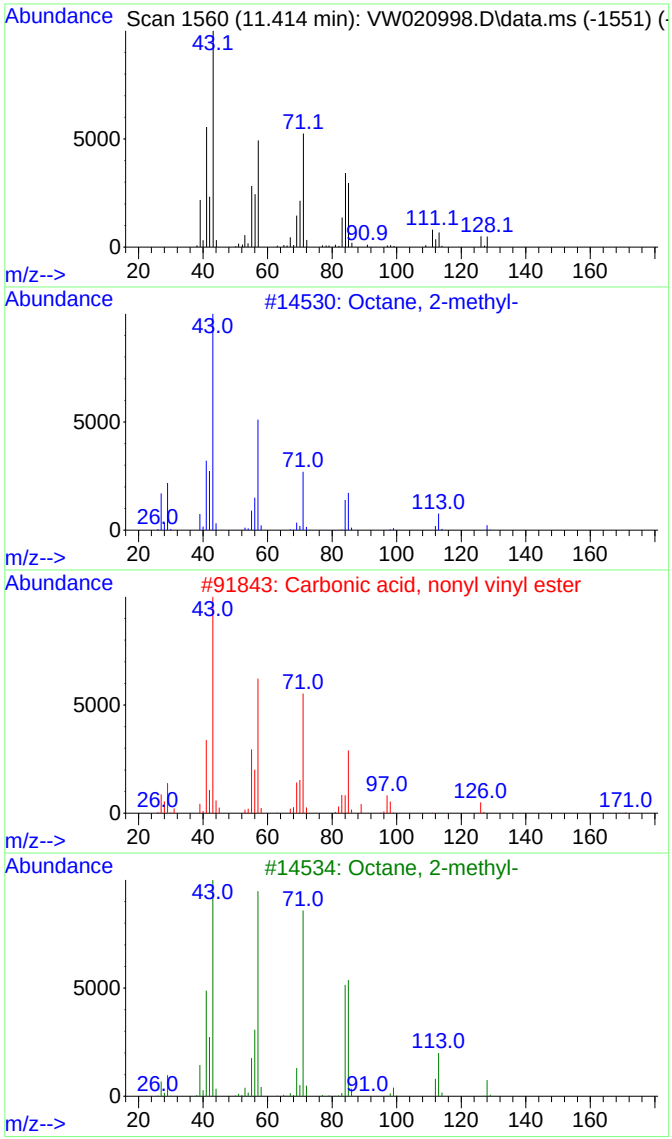
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

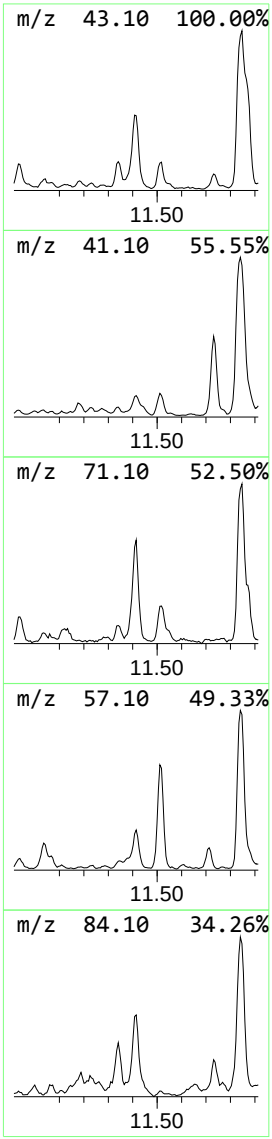
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.414	9.60 ug/L	188530	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	74
2	Carbonic acid, nonyl vinyl ester	214	C12H22O3	1000383-25-6	53
3	Octane, 2-methyl-	128	C9H20	003221-61-2	52
4	Octane, 2-methyl-	128	C9H20	003221-61-2	50
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

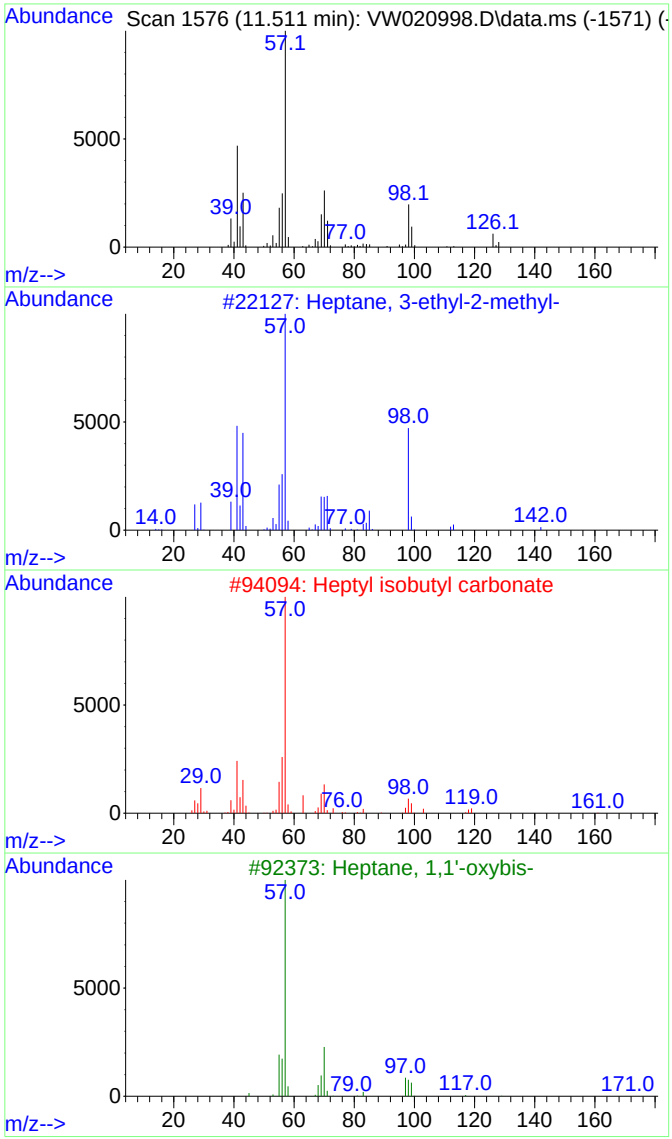
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

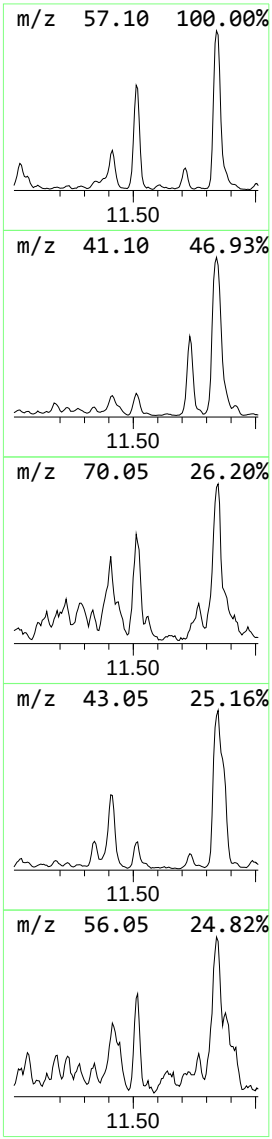
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	5.15 ug/L	101095	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
2	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	64
3	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	59
4	Octane, 3-methyl-	128	C9H20	002216-33-3	58
5	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

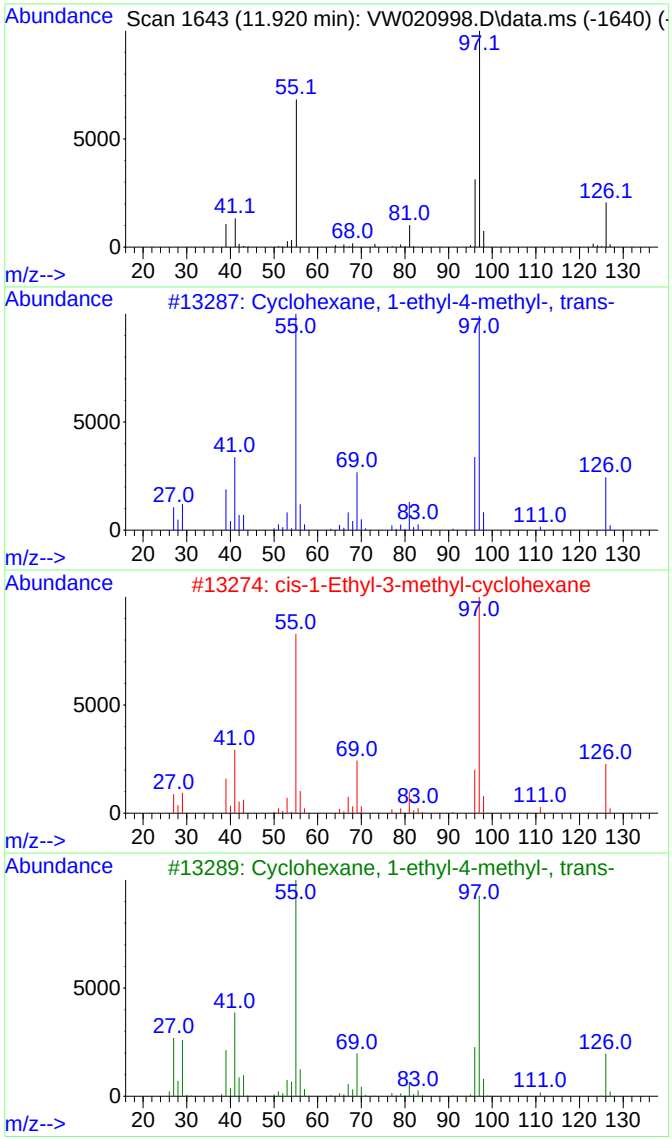
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

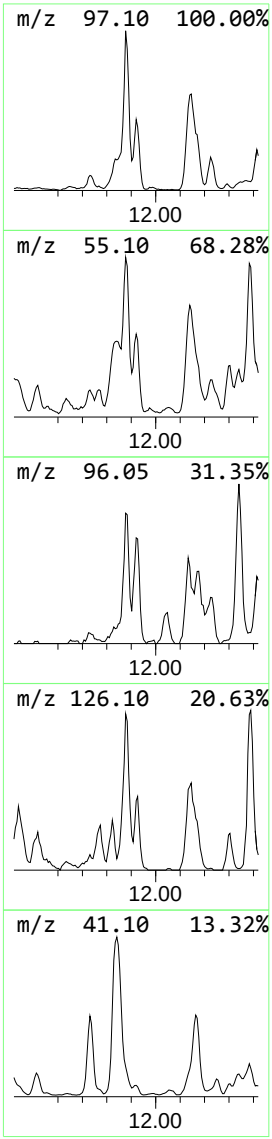
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic11.920 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.920	3.75 ug/L	73688	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	90
2	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	72
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64
4	4-Octen-3-one	126	C8H14O	014129-48-7	59
5	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

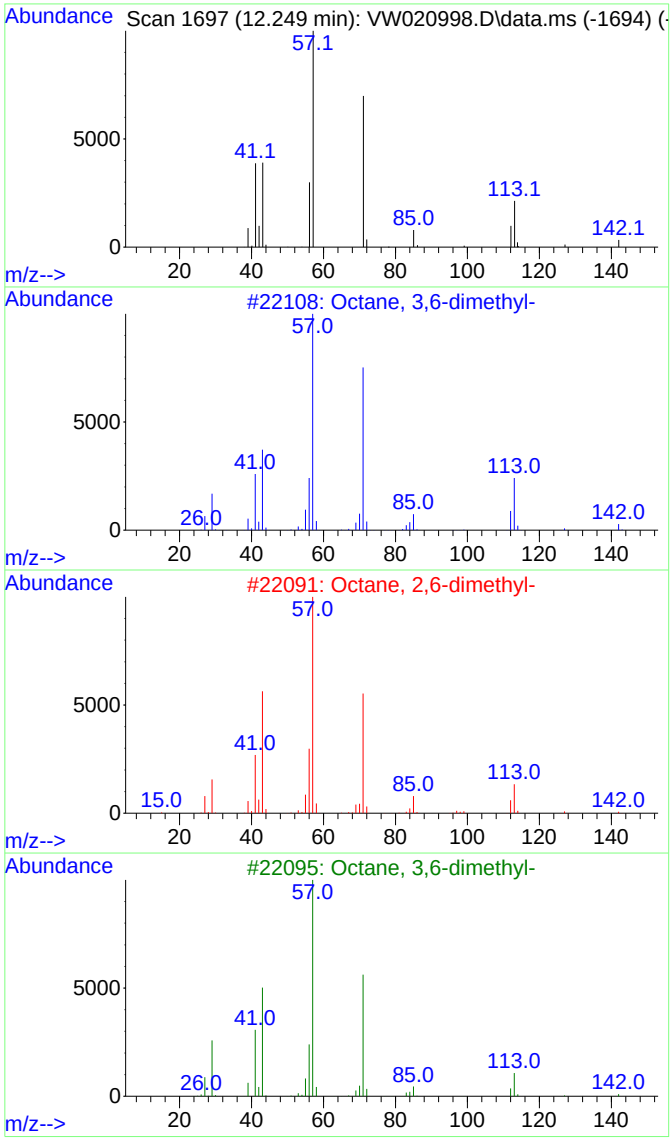
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

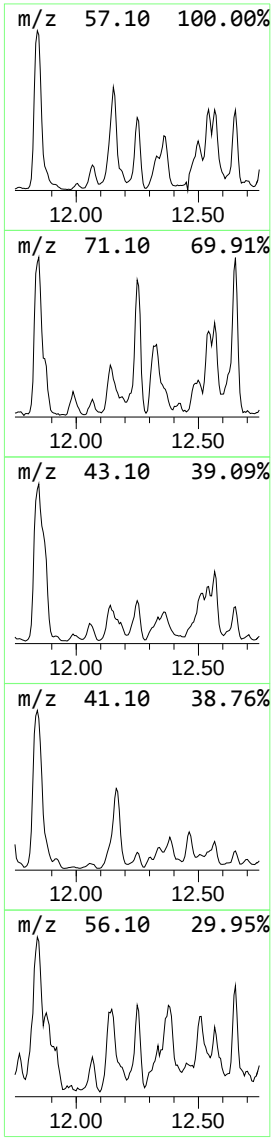
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.249	3.41 ug/L	66901	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	78
5	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

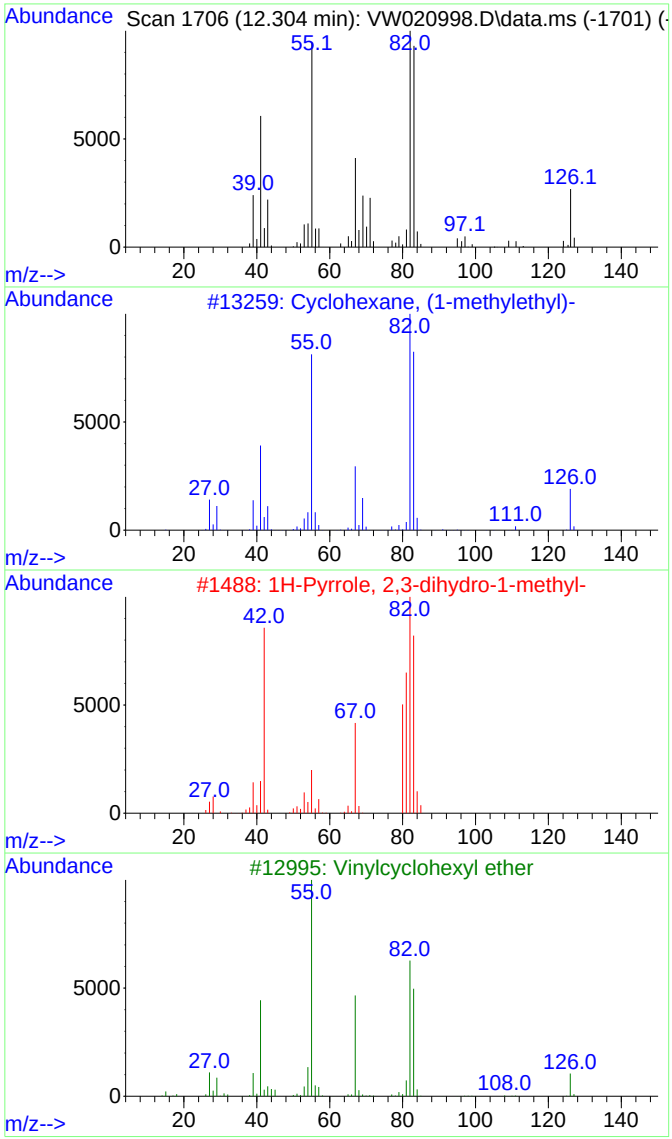
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

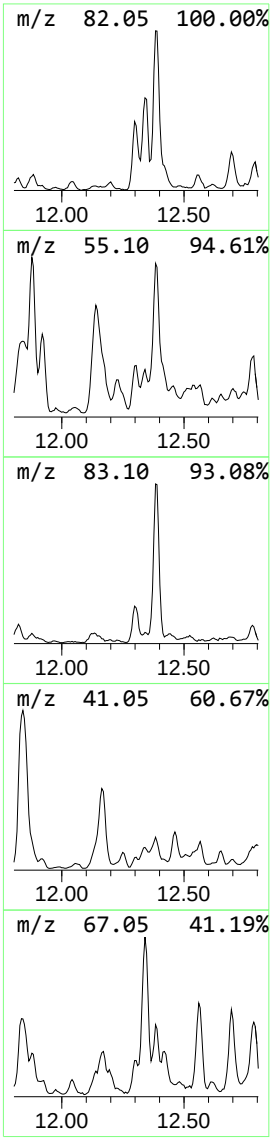
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Cyclic12.304 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.304	2.98 ug/L	58453	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	93
2	1H-Pyrrole, 2,3-dihydro-1-methyl-	83	C5H9N	033838-11-8	58
3	Vinylcyclohexyl ether	126	C8H14O	002182-55-0	53
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	49
5	Fumaric acid, cis-hex-3-enyl dec...	338	C20H34O4	1010348-86-6	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

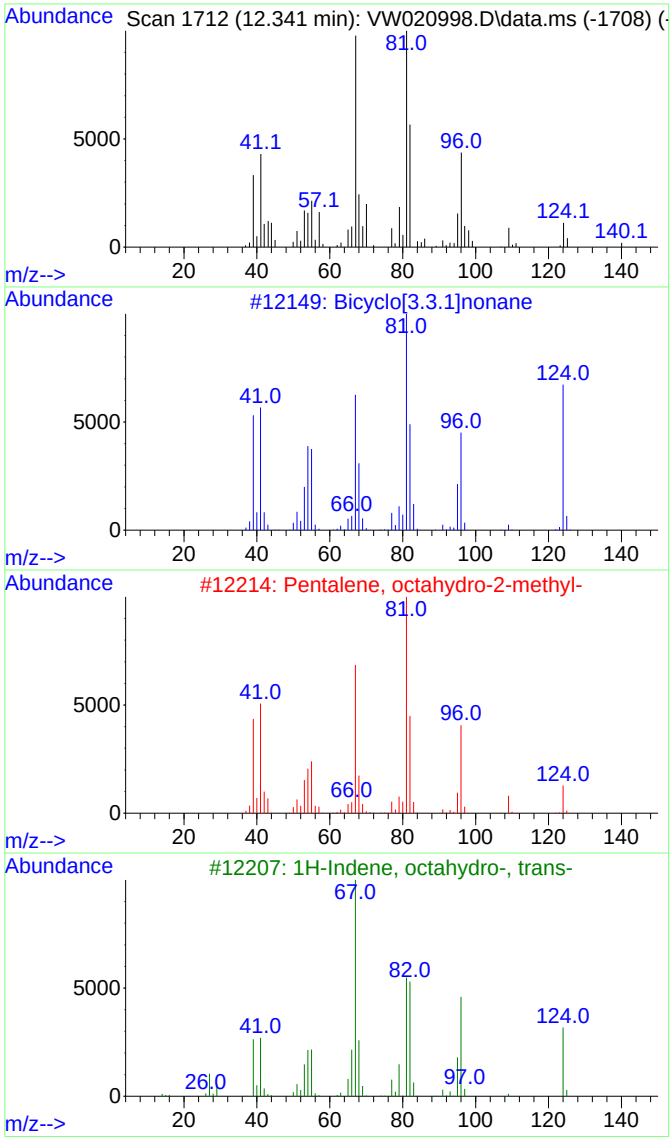
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

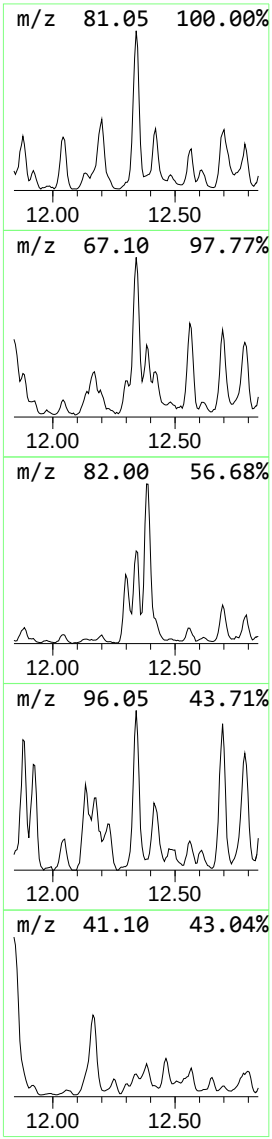
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Bicyclo[3.3.1]nonane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.341	8.44 ug/L	165753	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	76
2	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	64
3	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	58
4	Cyclohexane, methylene-	96	C7H12	001192-37-6	52
5	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

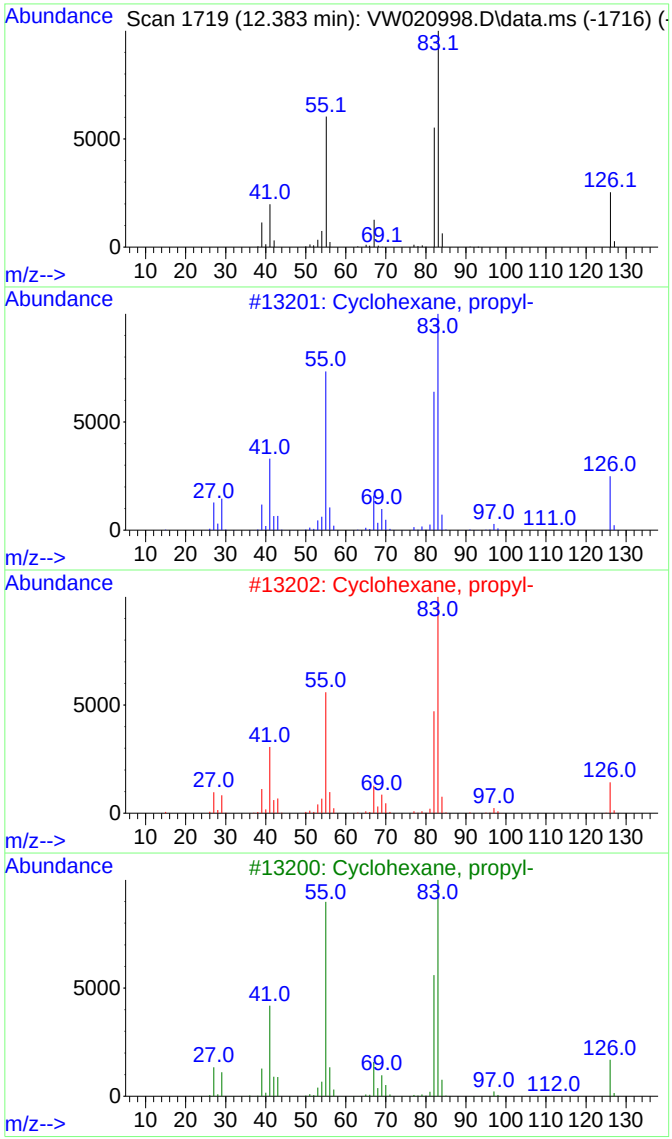
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

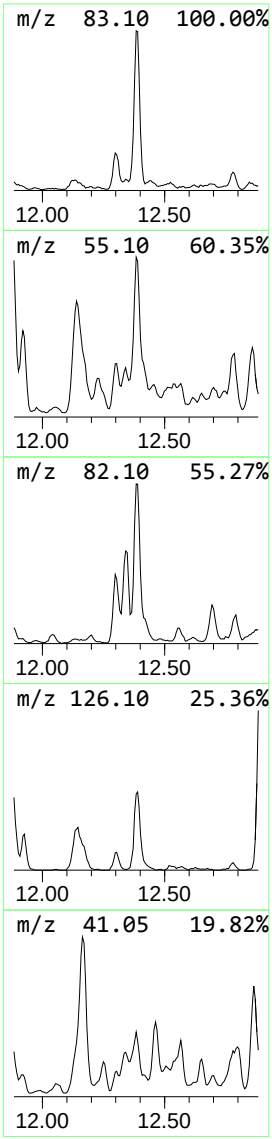
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic12.383 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.383	8.91 ug/L	174935	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	91
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	90
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	83
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	83
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

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

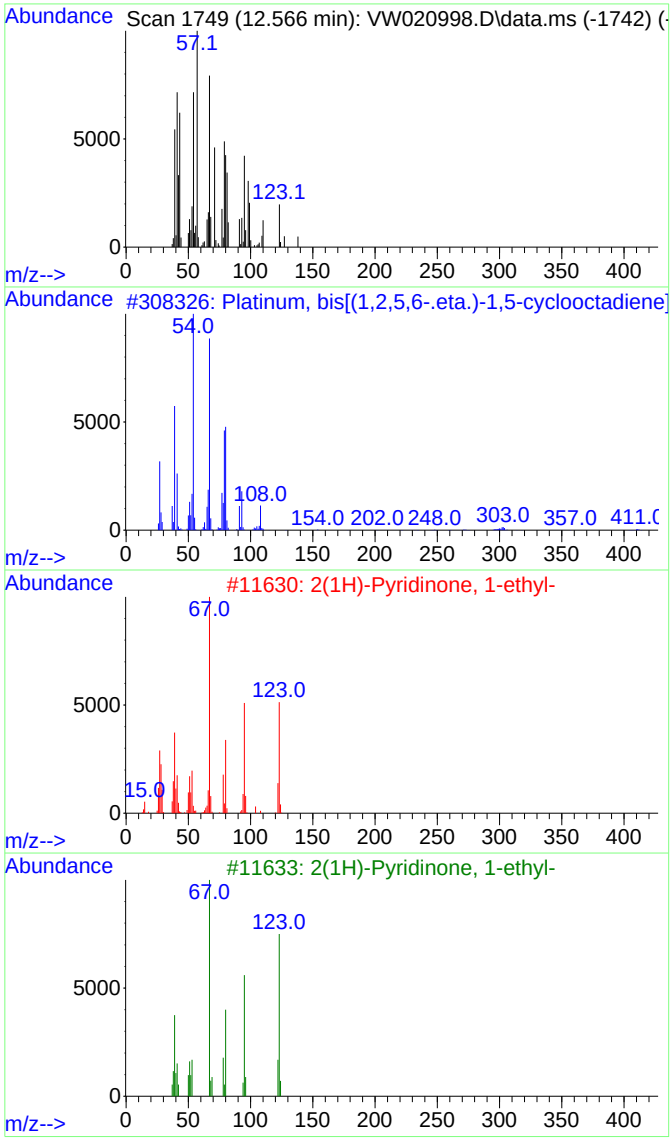
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

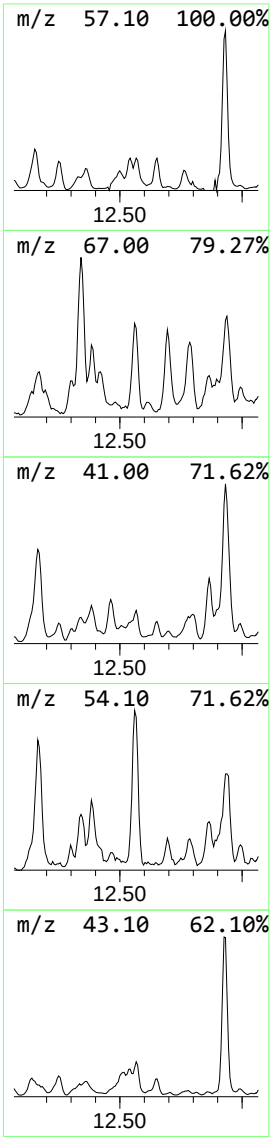
****

Peak Number 21 unknown-02 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.566	10.41 ug/L	204506	Chlorobenzene-d5	11.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Platinum, bis[(1,2,5,6-.eta.)-1,...	411	C16H24Pt	012130-66-4	49
2	2(1H)-Pyridinone, 1-ethyl-	123	C7H9NO	013337-79-6	45
3	2(1H)-Pyridinone, 1-ethyl-	123	C7H9NO	013337-79-6	45
4	1,5-Cyclooctadiene, (Z,Z)-	108	C8H12	001552-12-1	43
5	1,5-Cyclooctadiene	108	C8H12	000111-78-4	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

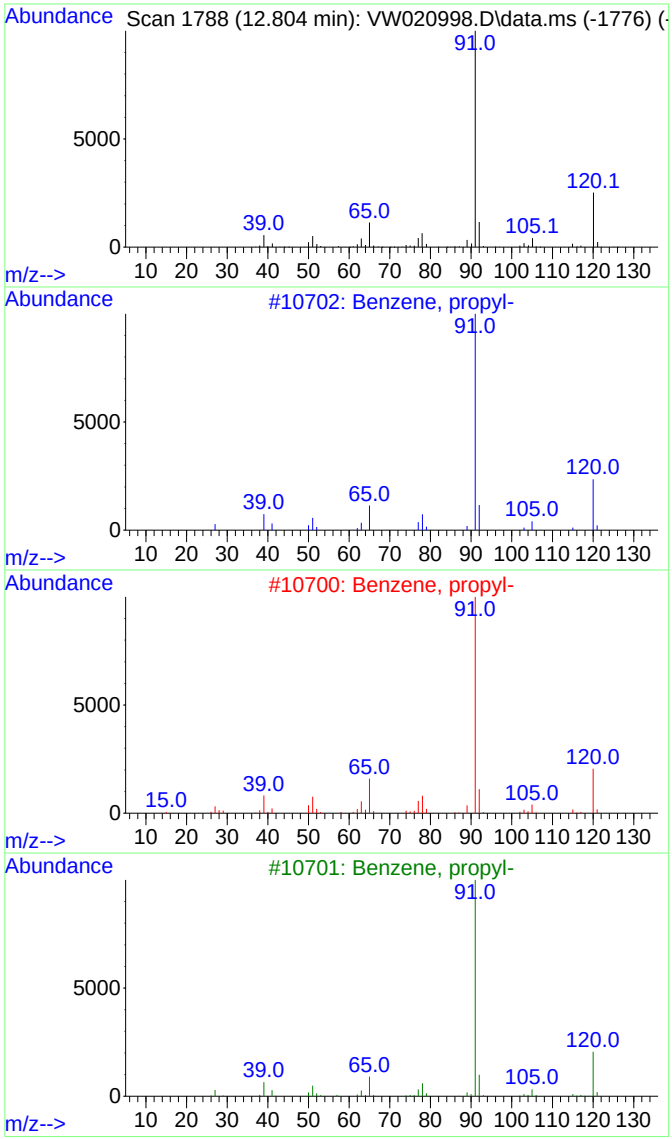
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

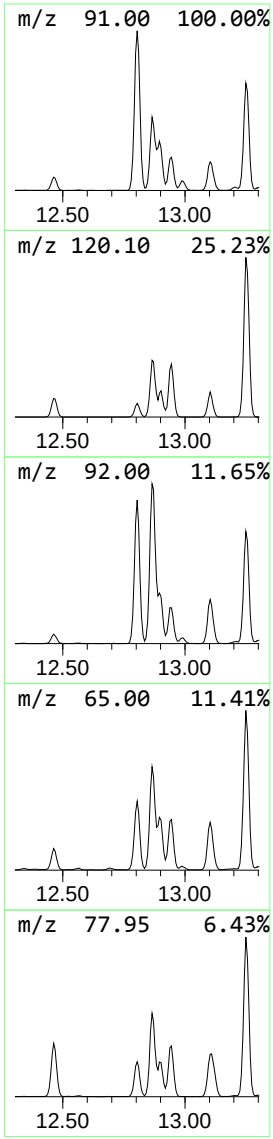
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzene, propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.804	10.76 ug/L	1278110	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	94
3	Benzene, propyl-	120	C9H12	000103-65-1	90
4	Benzene, propyl-	120	C9H12	000103-65-1	87
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

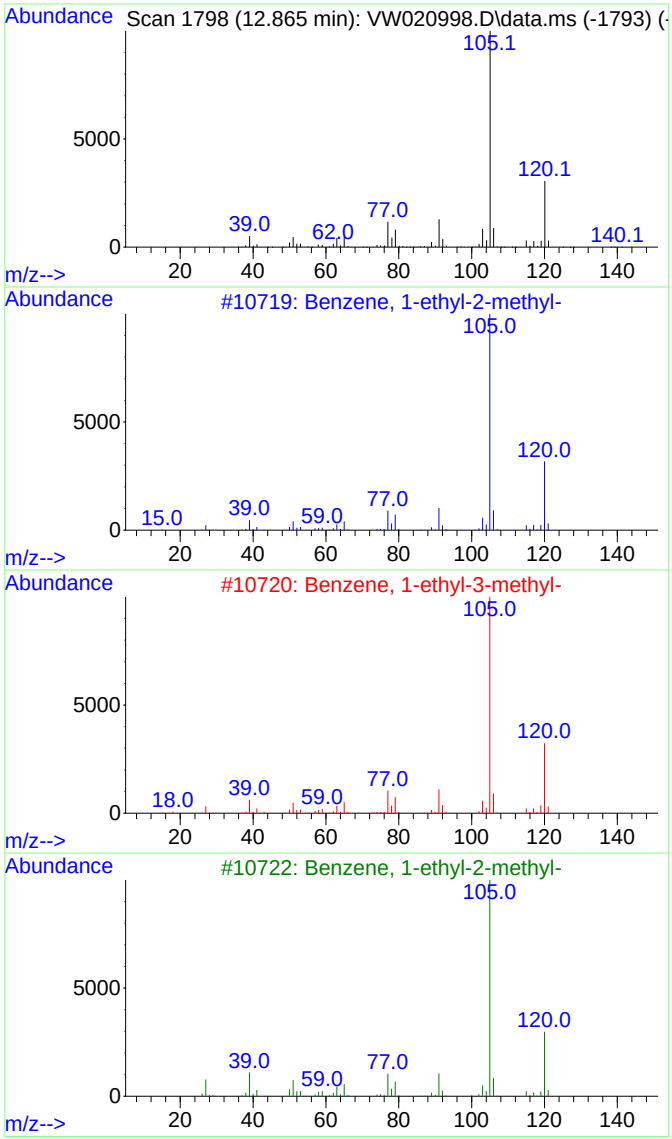
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

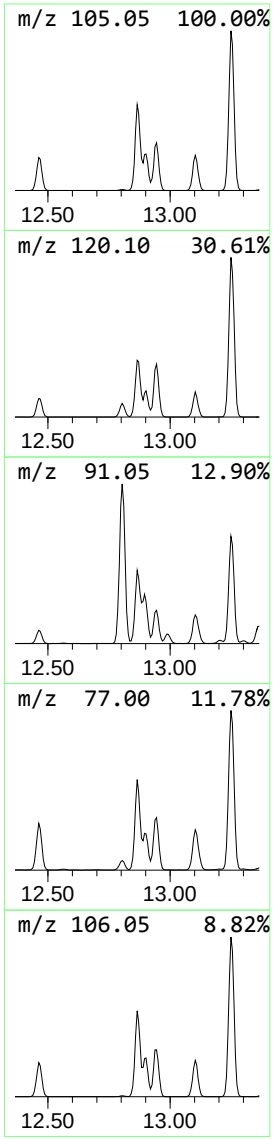
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	42.80 ug/L	5086400	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

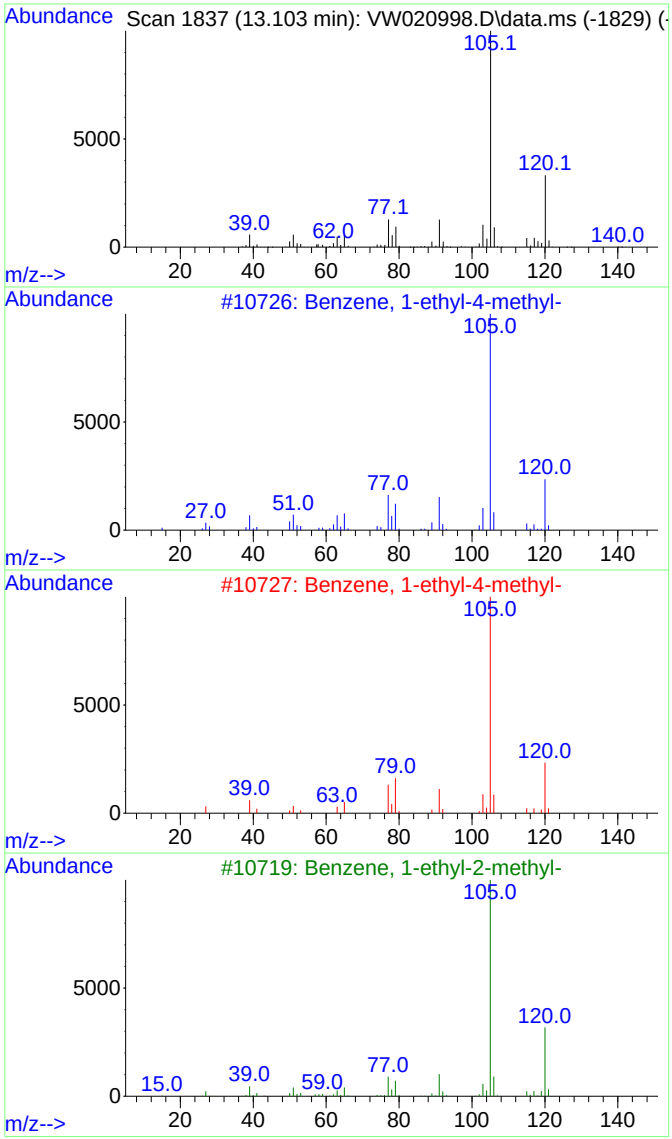
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

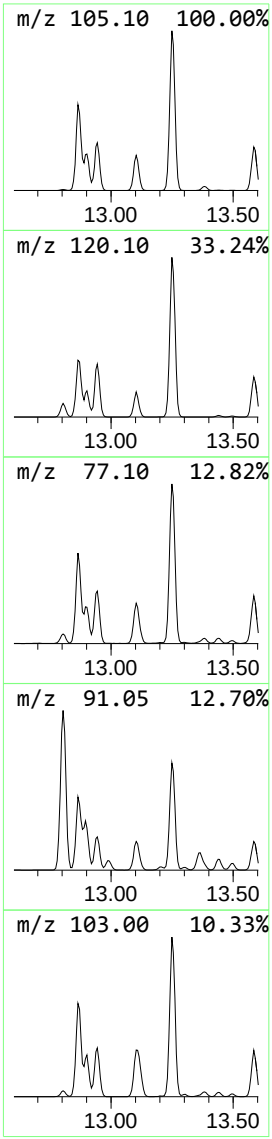
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Benzene, 1-ethyl-4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	19.63 ug/L	2332800	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

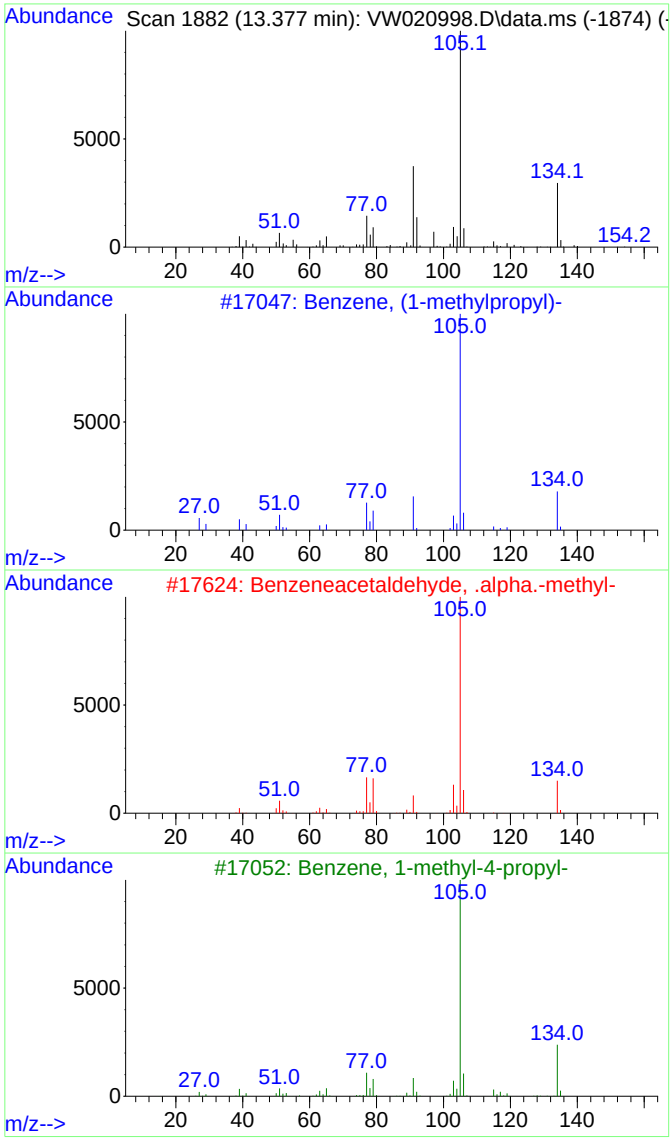
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

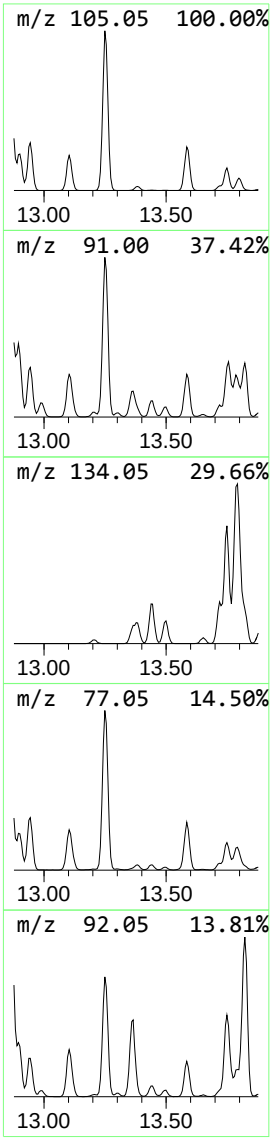
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Benzene, (1-methylpropyl)- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.377	3.01 ug/L	357909	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87
2	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	83
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	81
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	80
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

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

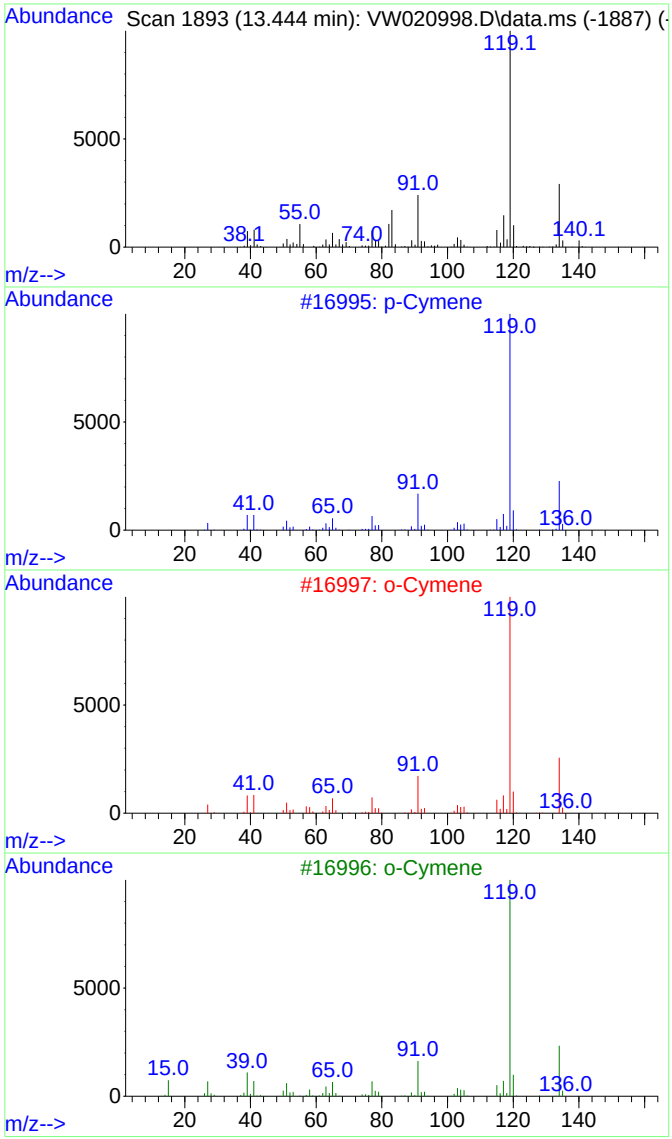
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

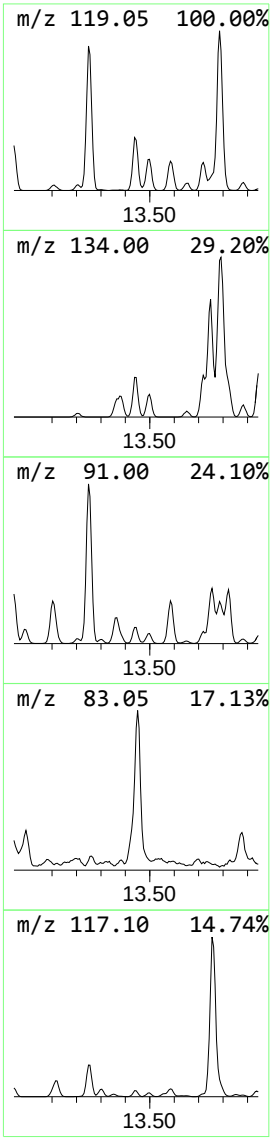
****

Peak Number 26 p-Cymene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.444	4.83 ug/L	574140	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

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

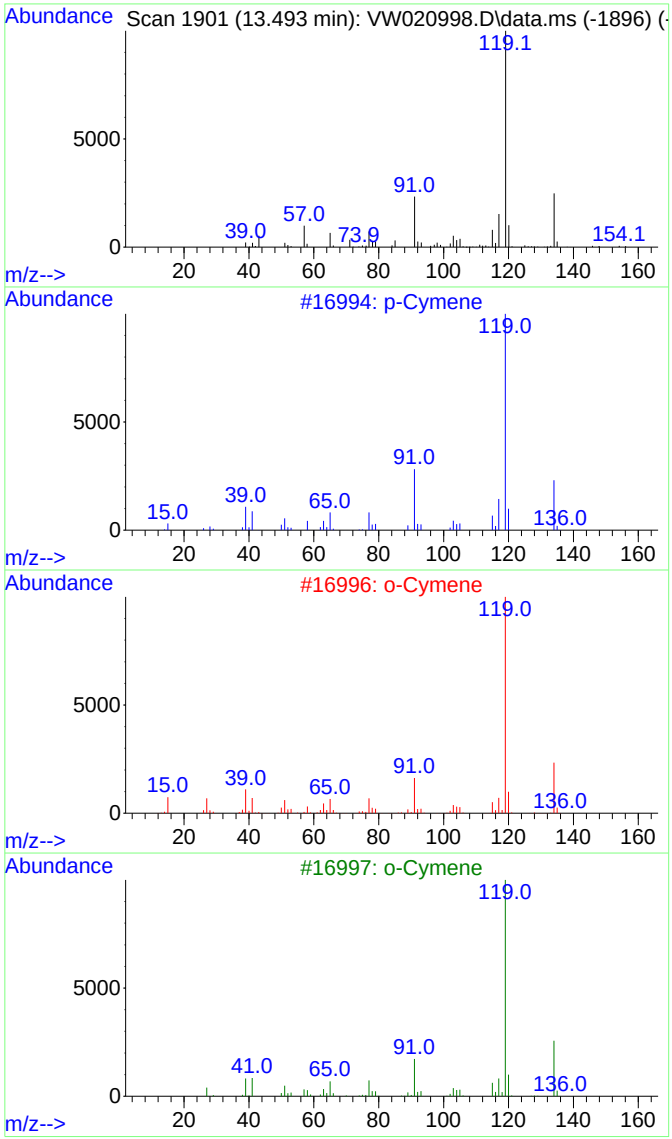
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

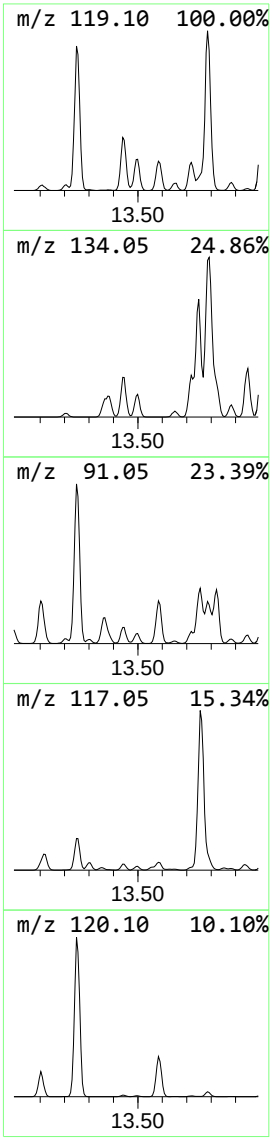
****

Peak Number 27 o-Cymene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.493	3.62 ug/L	430032	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	94
2	o-Cymene	134	C10H14	000527-84-4	93
3	o-Cymene	134	C10H14	000527-84-4	93
4	p-Cymene	134	C10H14	000099-87-6	93
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

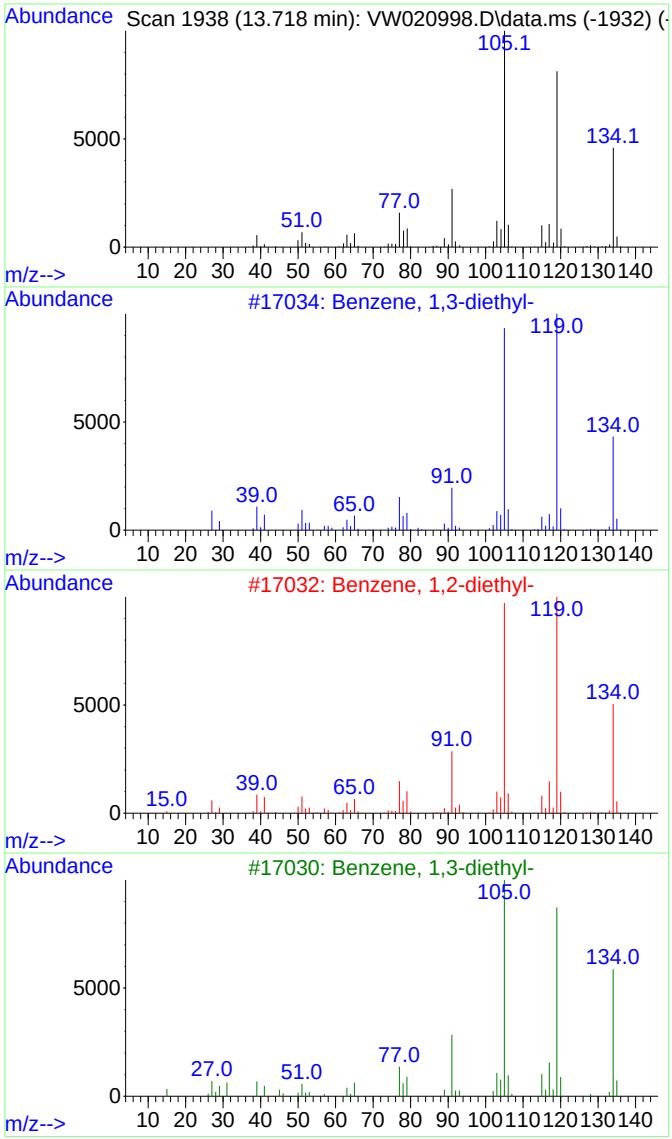
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

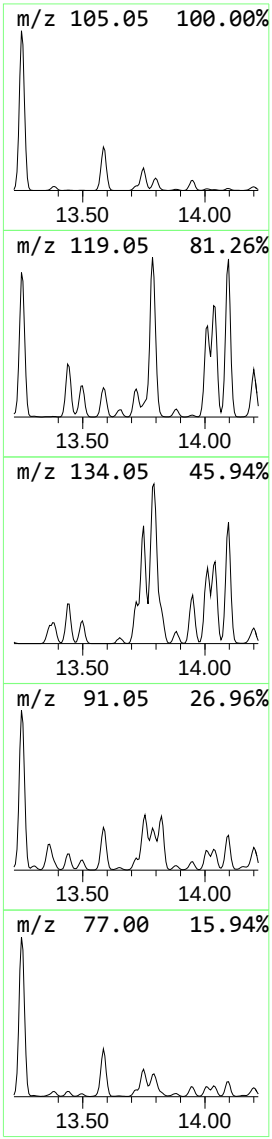
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Benzene, 1,3-diethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.718	2.88 ug/L	341764	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

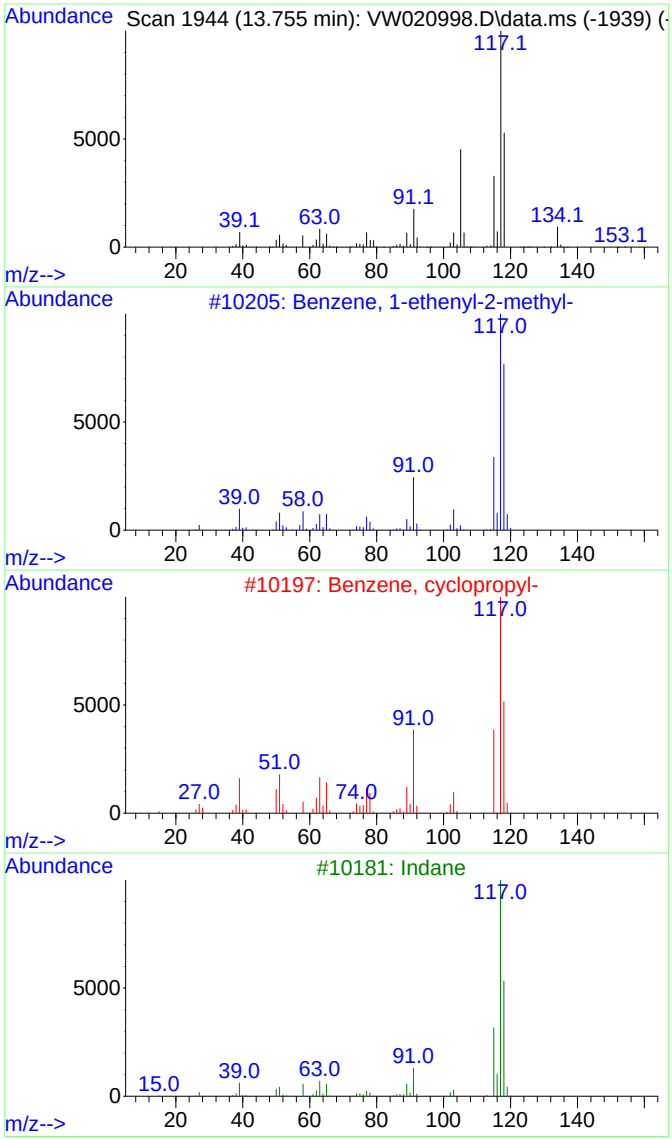
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

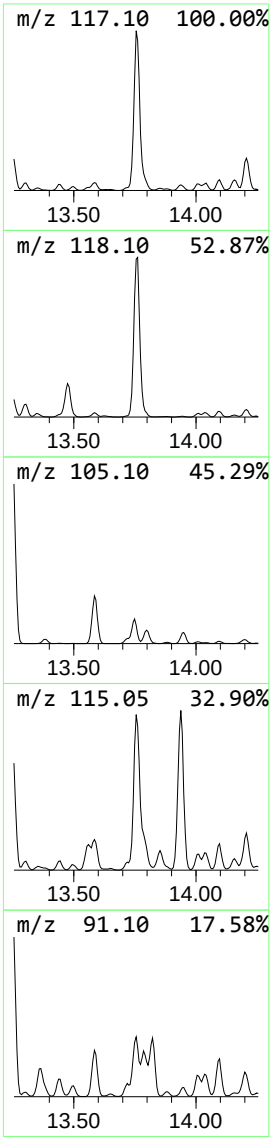
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Benzene, 1-ethenyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.755	25.16 ug/L	2989800	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
3	Indane	118	C9H10	000496-11-7	70
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	68
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

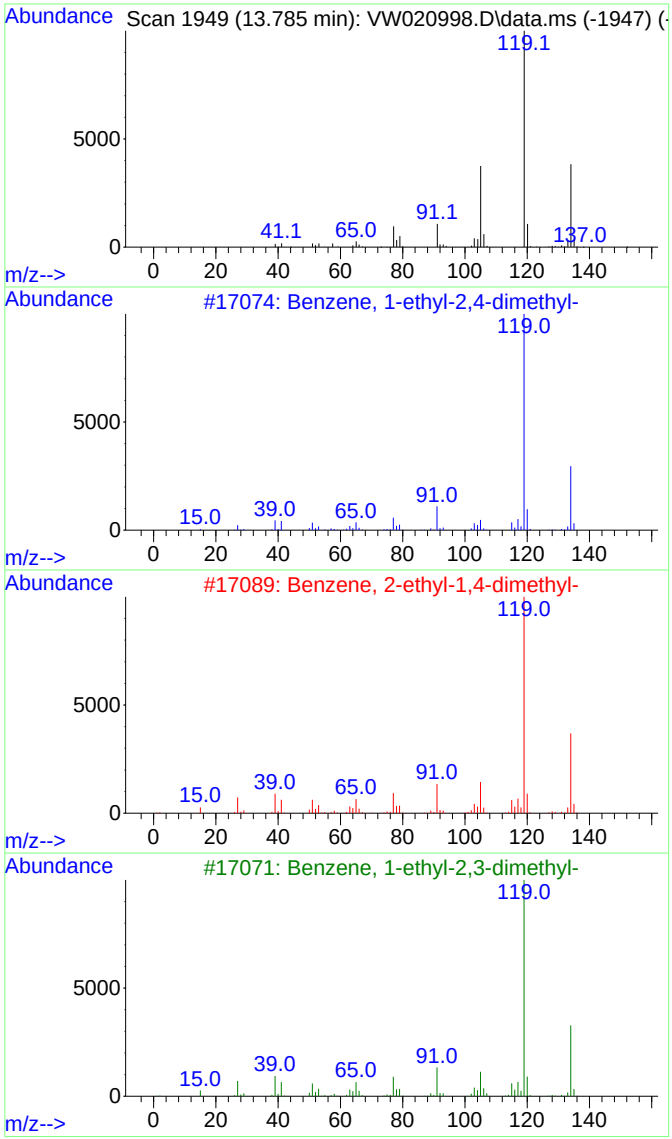
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

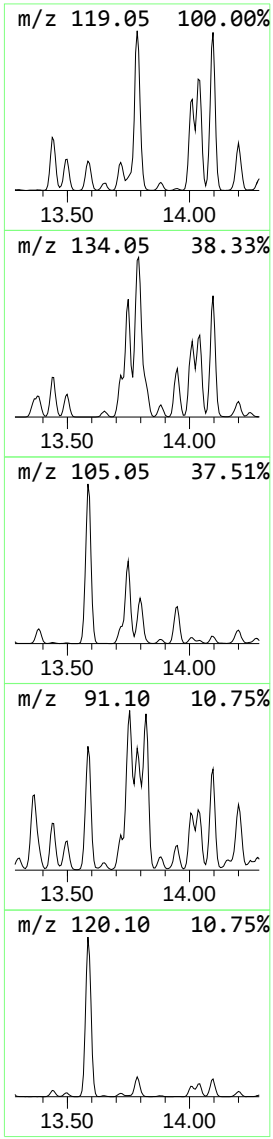
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.786	16.23 ug/L	1928090	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	87
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	86
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

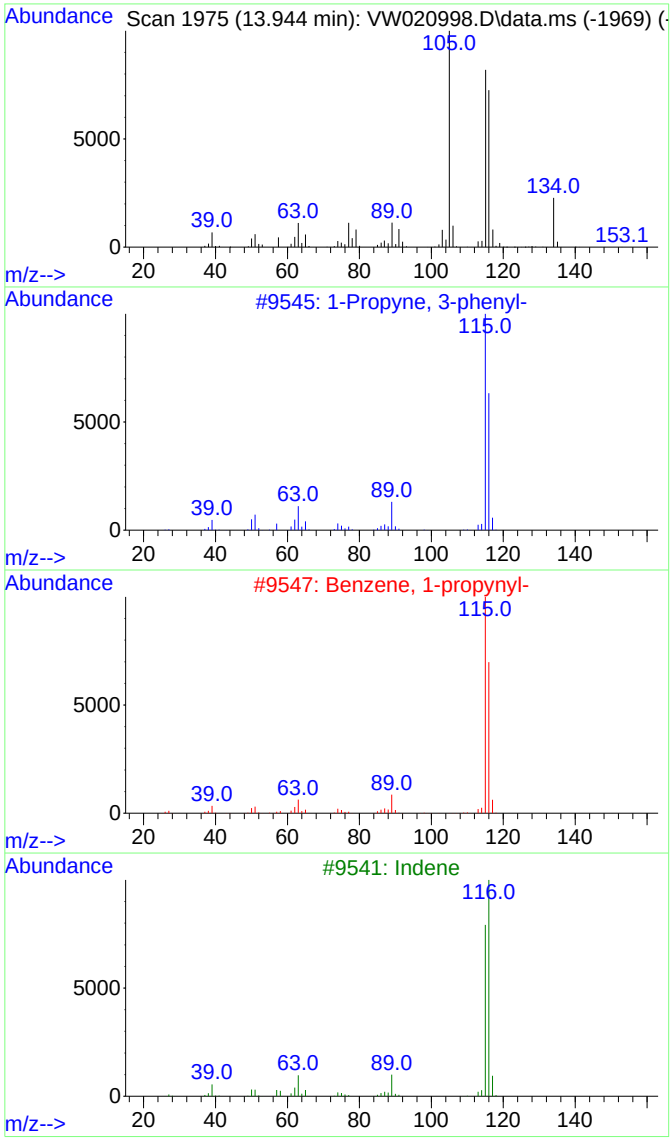
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

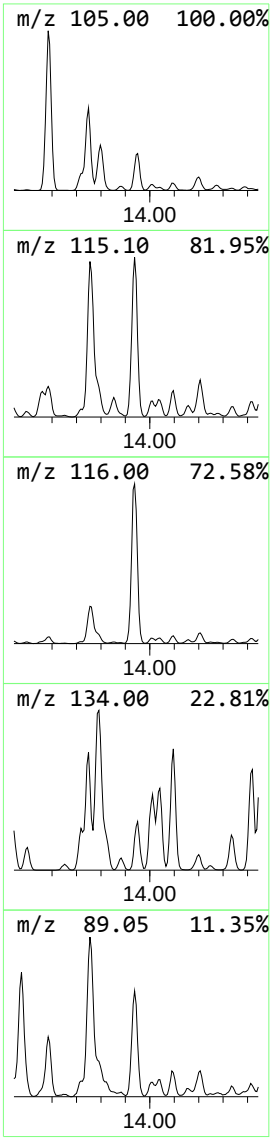
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 1-Propyne, 3-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.944	8.74 ug/L	1038340	1,4-Dichlorobenzene-d4	13.560

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

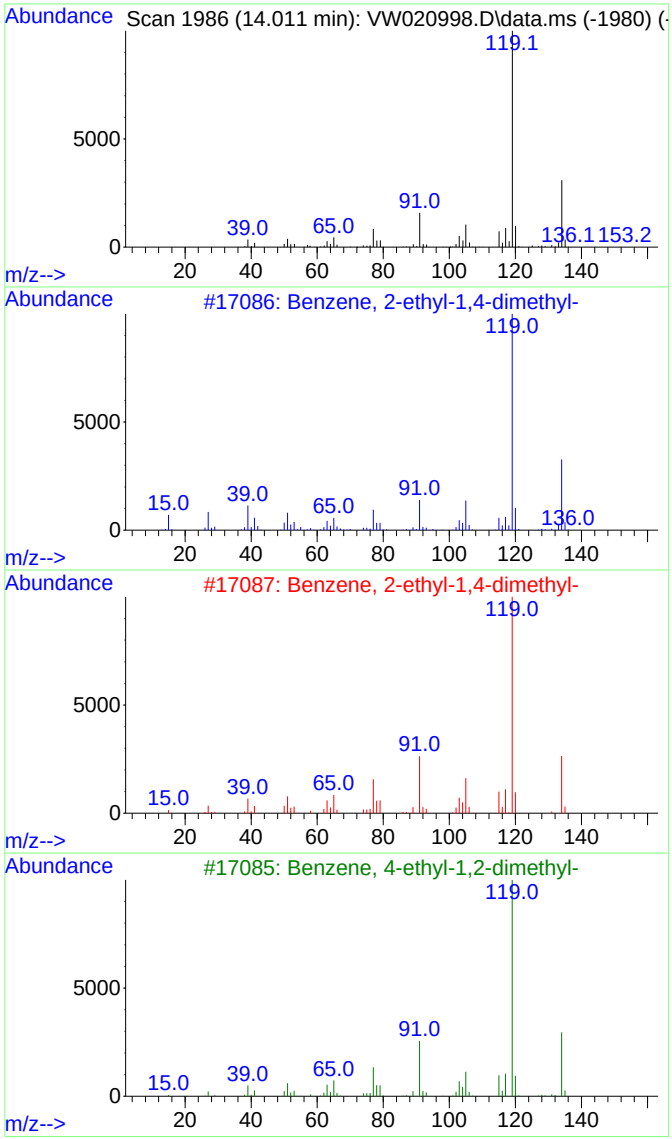
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

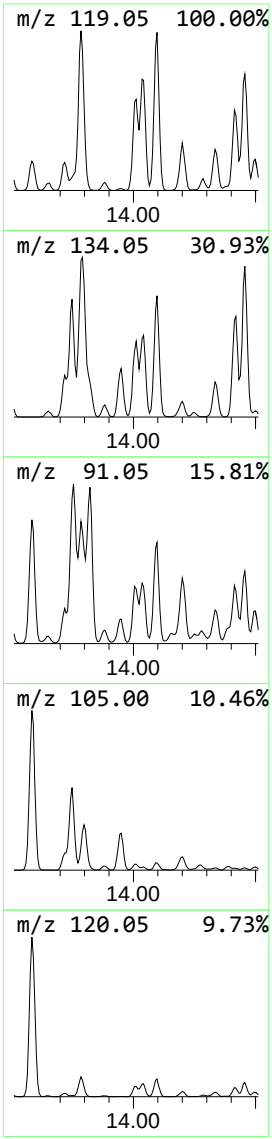
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.011	6.00 ug/L	712828	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

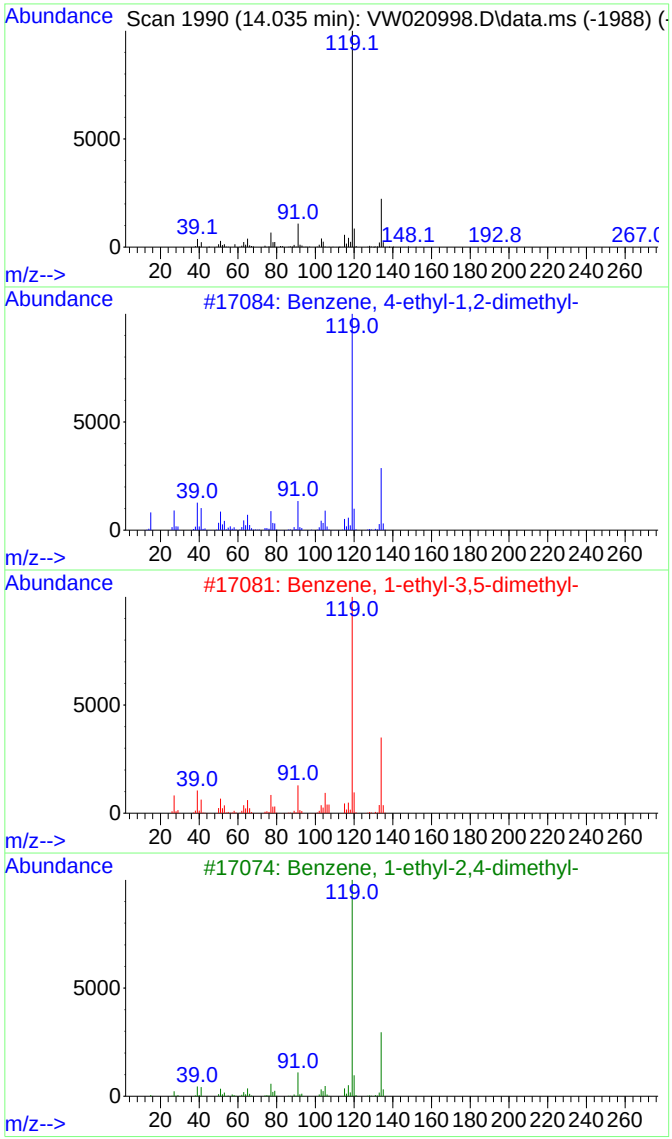
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

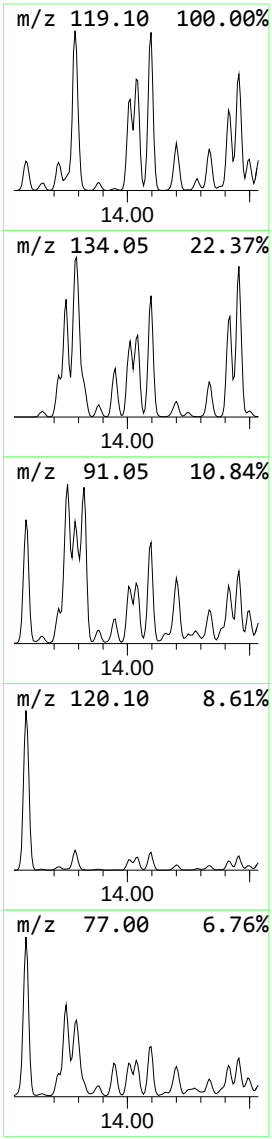
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.035	5.72 ug/L	679744	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	91
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

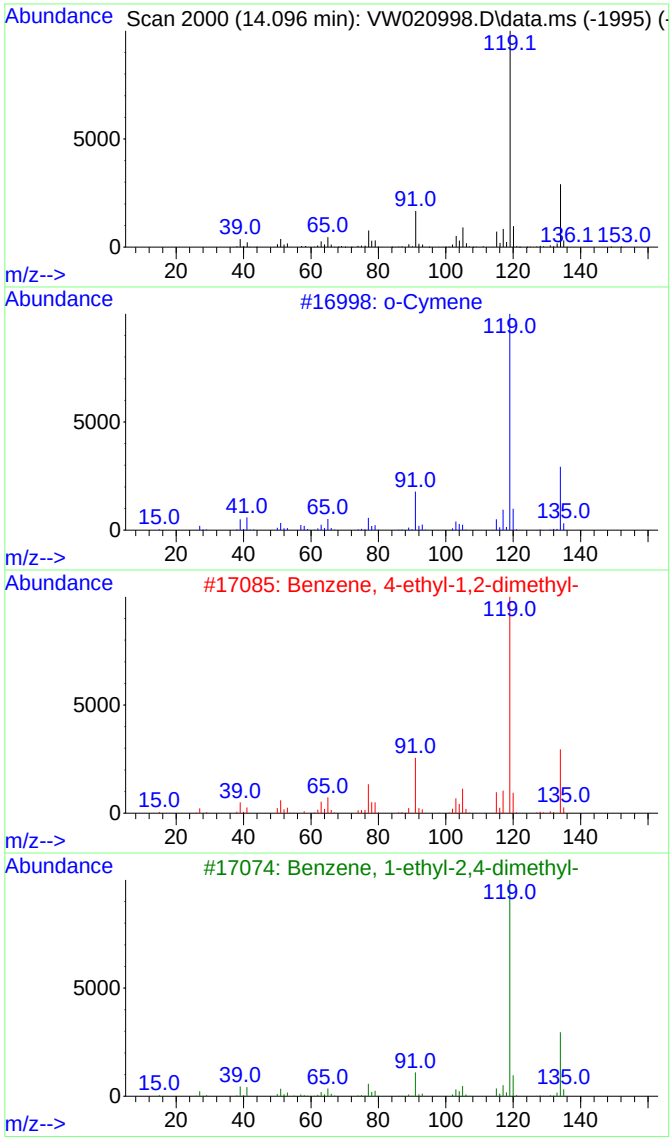
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

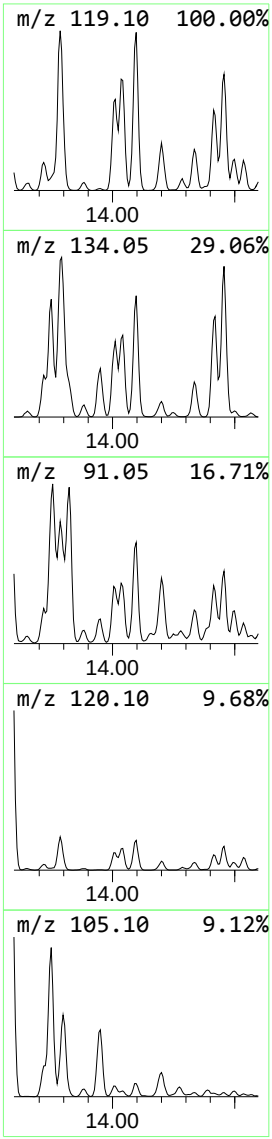
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.096	9.34 ug/L	1109830	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

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

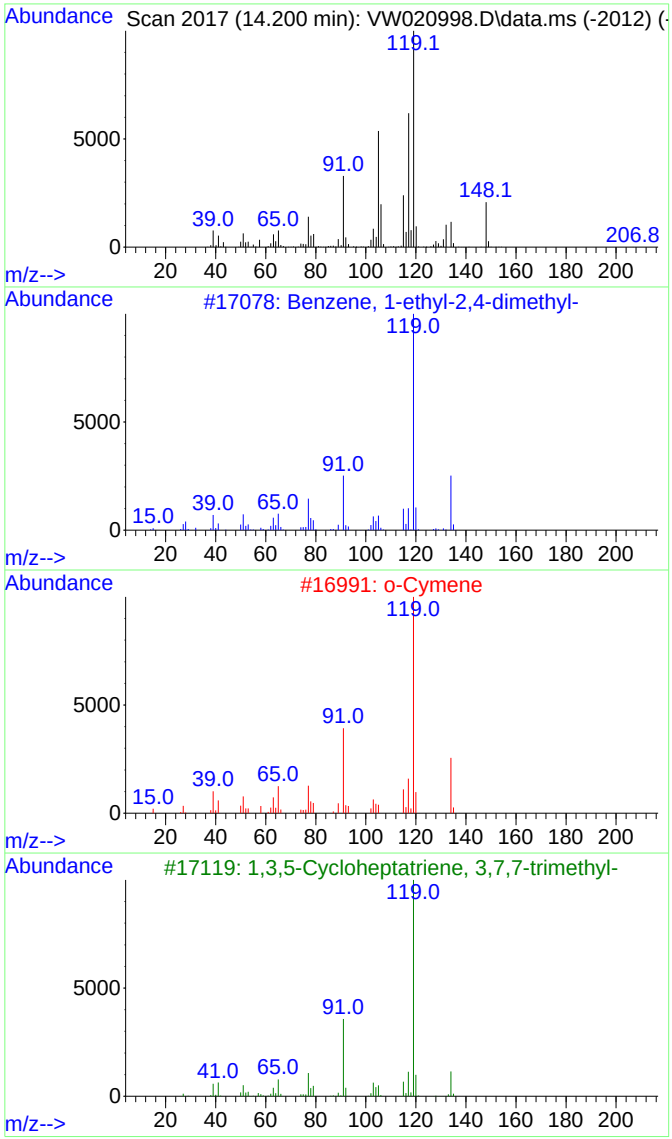
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

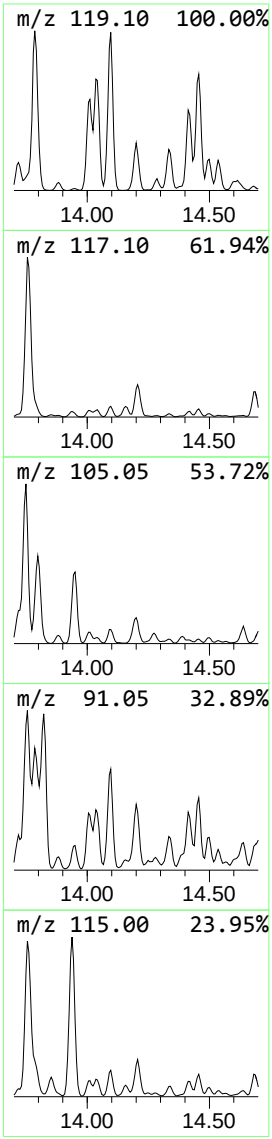
****

Peak Number 35 unknown-03 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.200	6.34 ug/L	753618	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	46
2	o-Cymene	134	C10H14	000527-84-4	45
3	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	45
4	p-Cymene	134	C10H14	000099-87-6	45
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

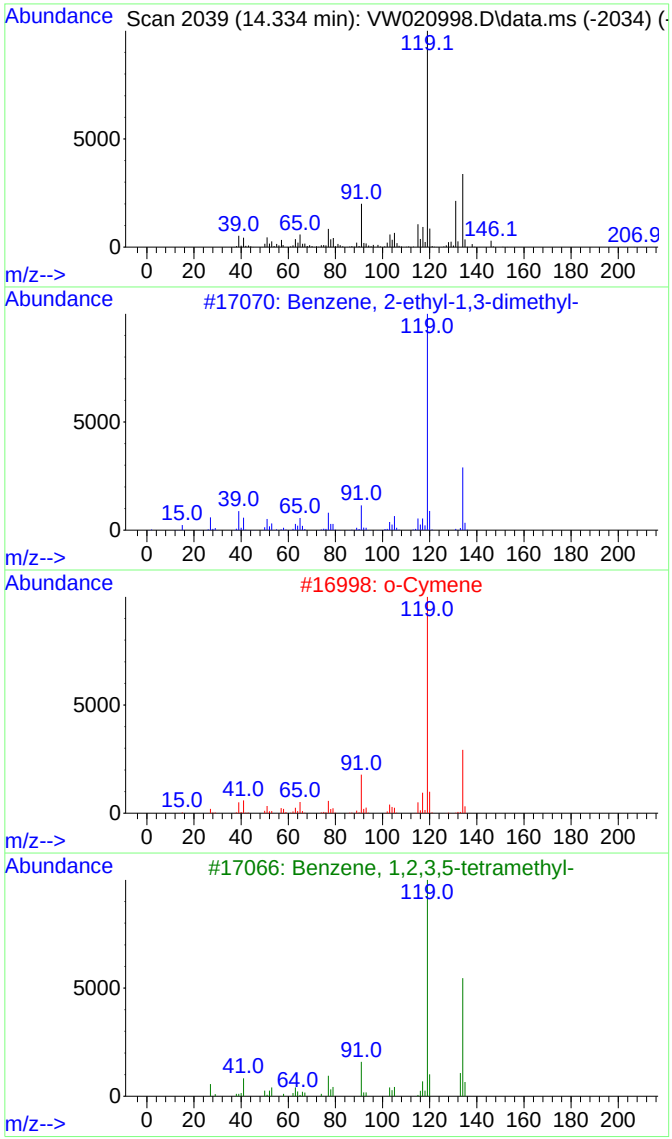
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

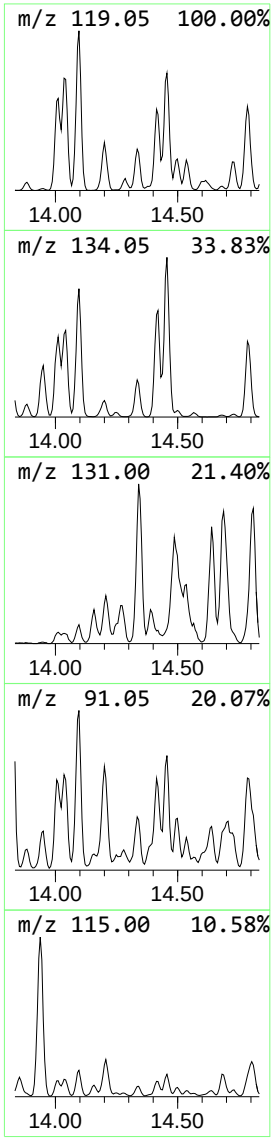
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.334	3.16 ug/L	374956	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
2	o-Cymene	134	C10H14	000527-84-4	93
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

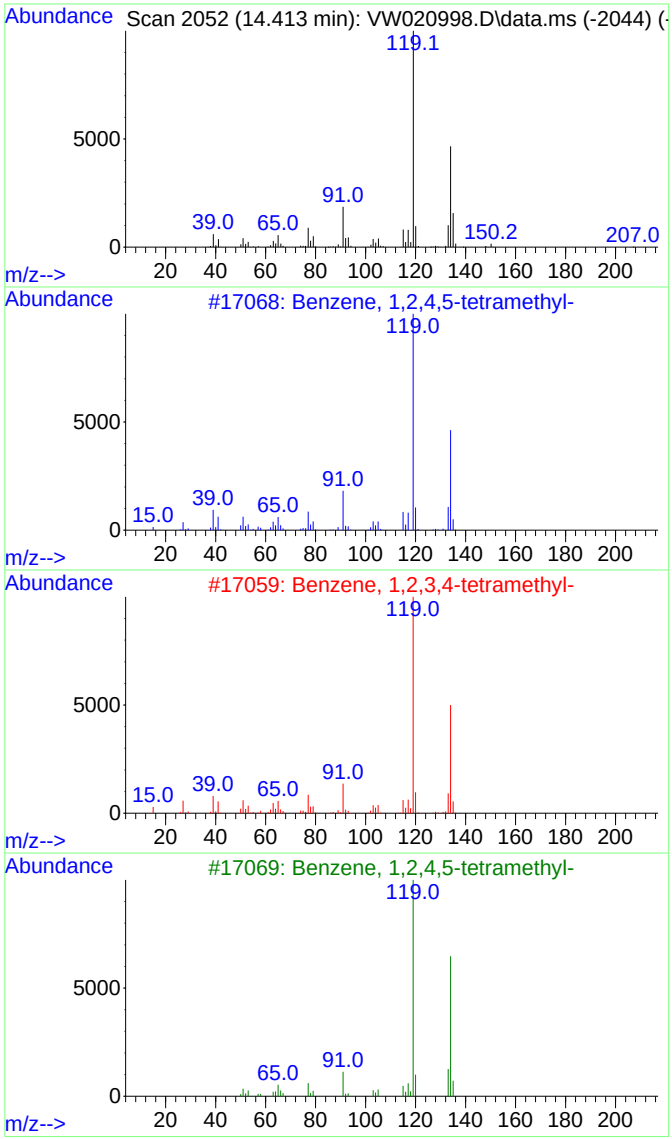
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

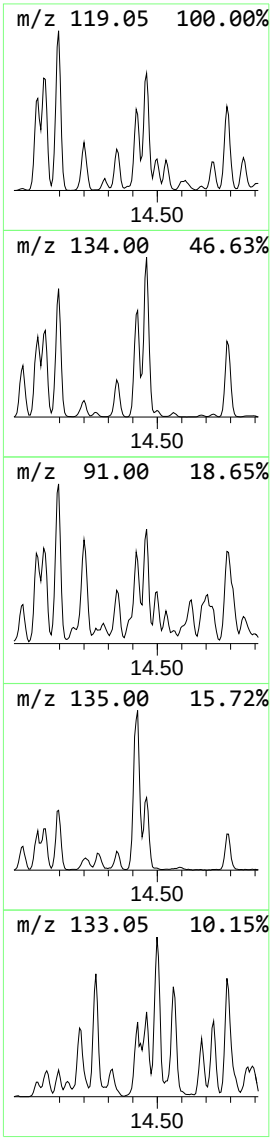
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.413	7.76 ug/L	922568	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	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

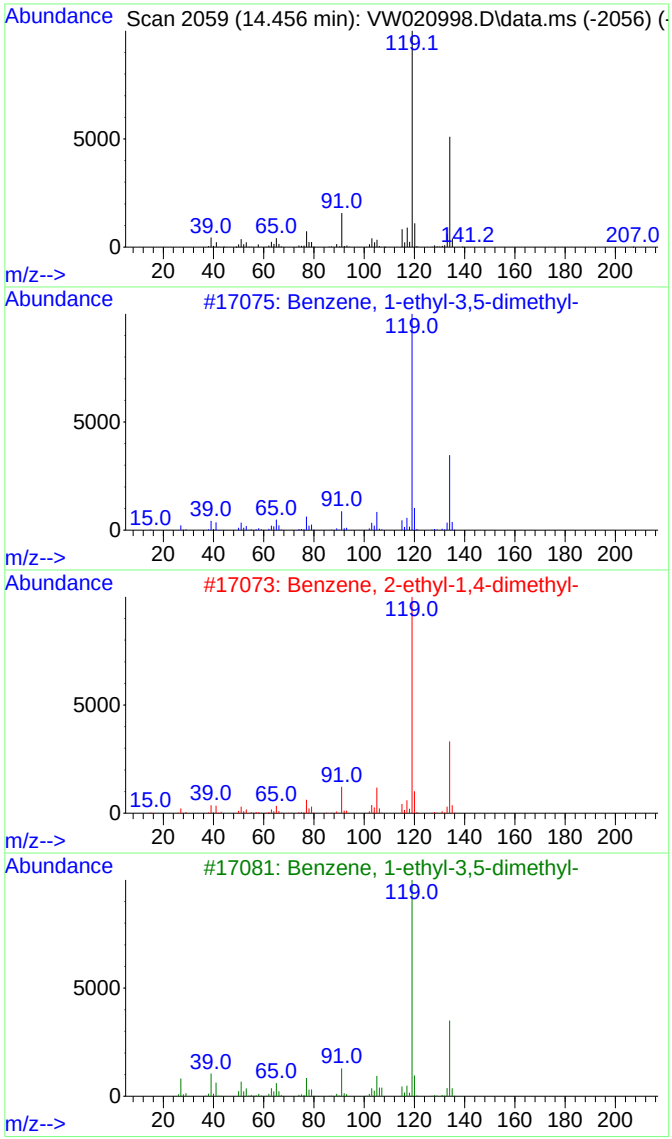
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

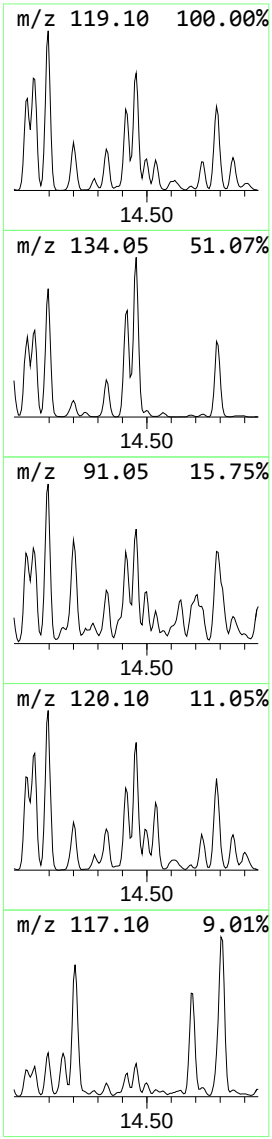
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.456	7.18 ug/L	852908	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	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 : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

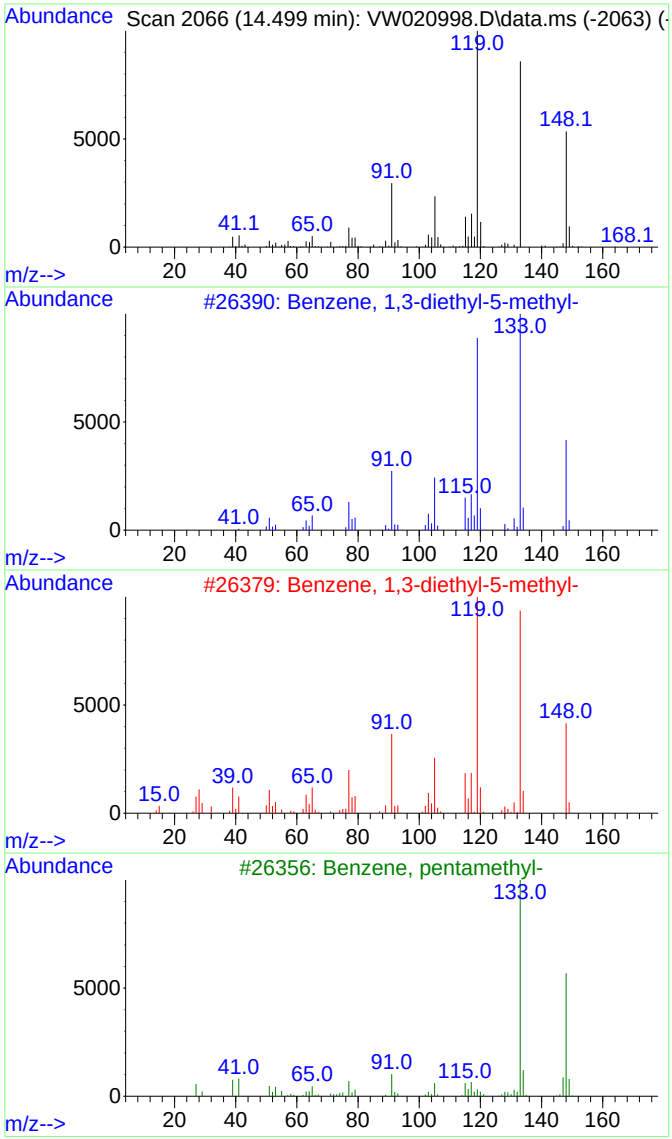
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

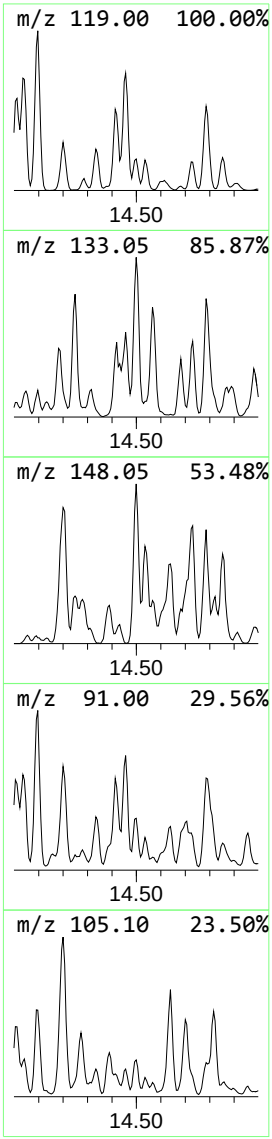
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.499	2.96 ug/L	351427	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	91
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	78
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	49
4	2-tert-Butyltoluene	148	C11H16	001074-92-6	47
5	Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

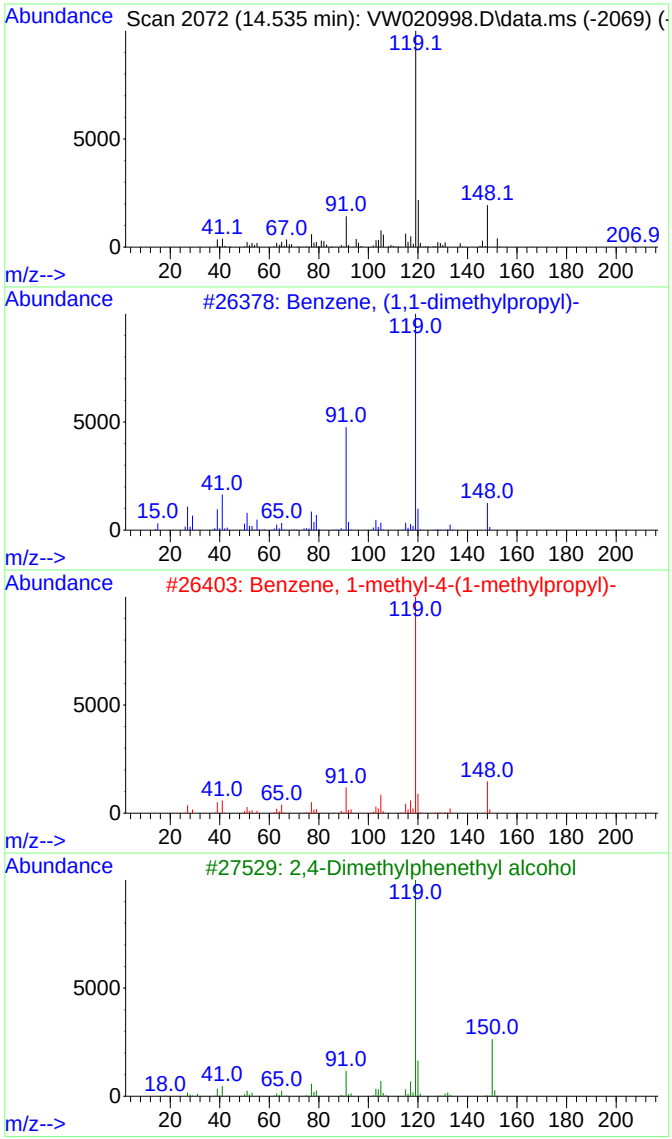
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

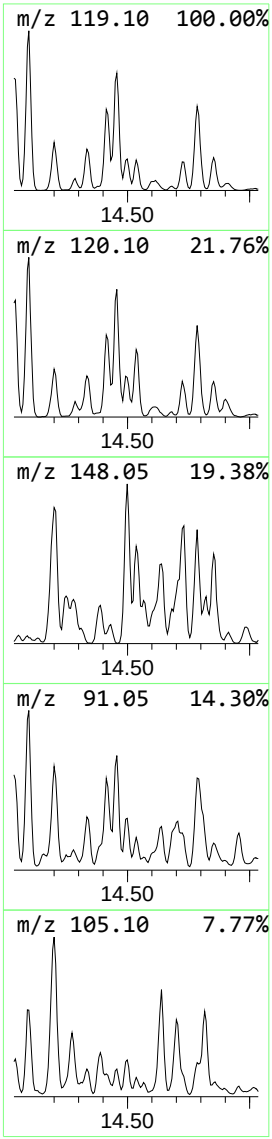
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 Benzene, (1,1-dimethylpropyl)- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.535	2.01 ug/L	239123	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	59
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	59
3	2,4-Dimethylphenethyl alcohol	150	C10H14O	006597-59-7	53
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	50
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

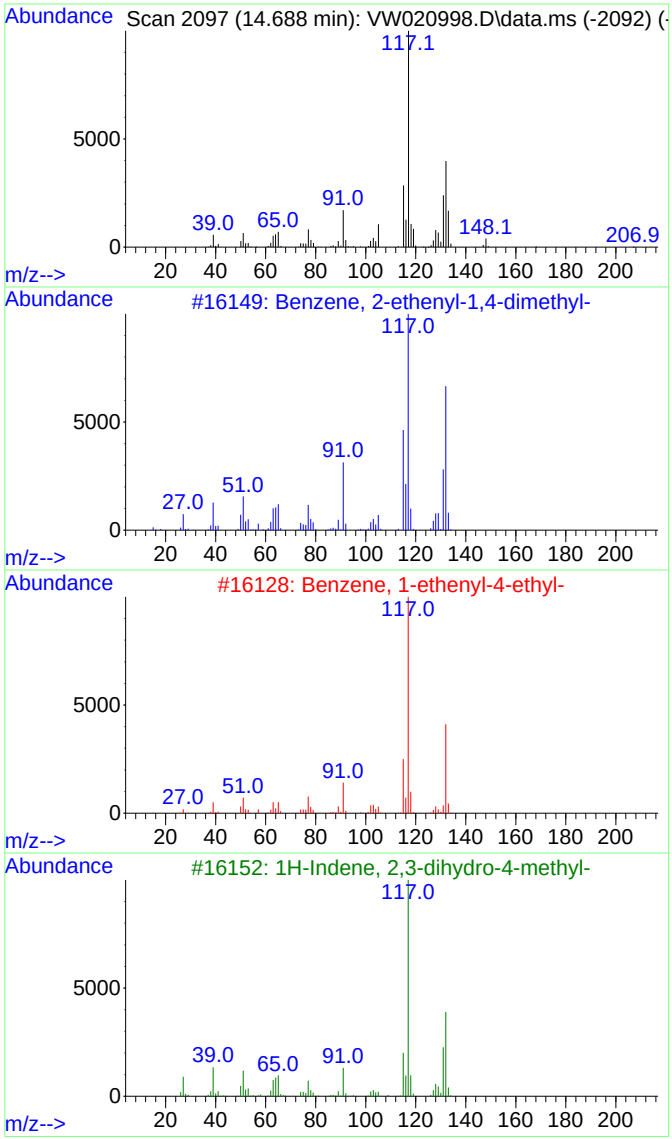
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

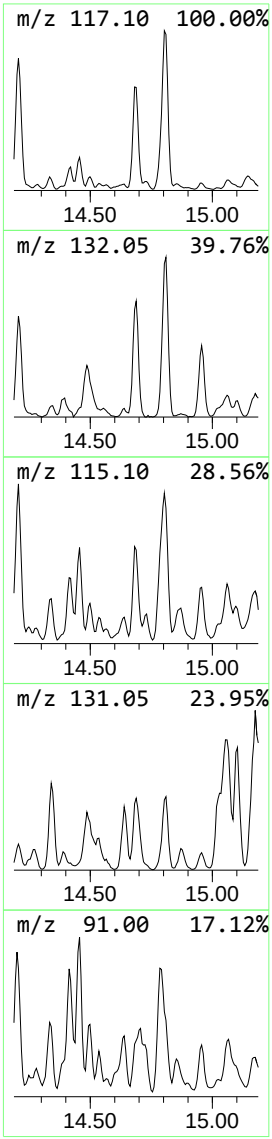
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.688	3.29 ug/L	390516	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

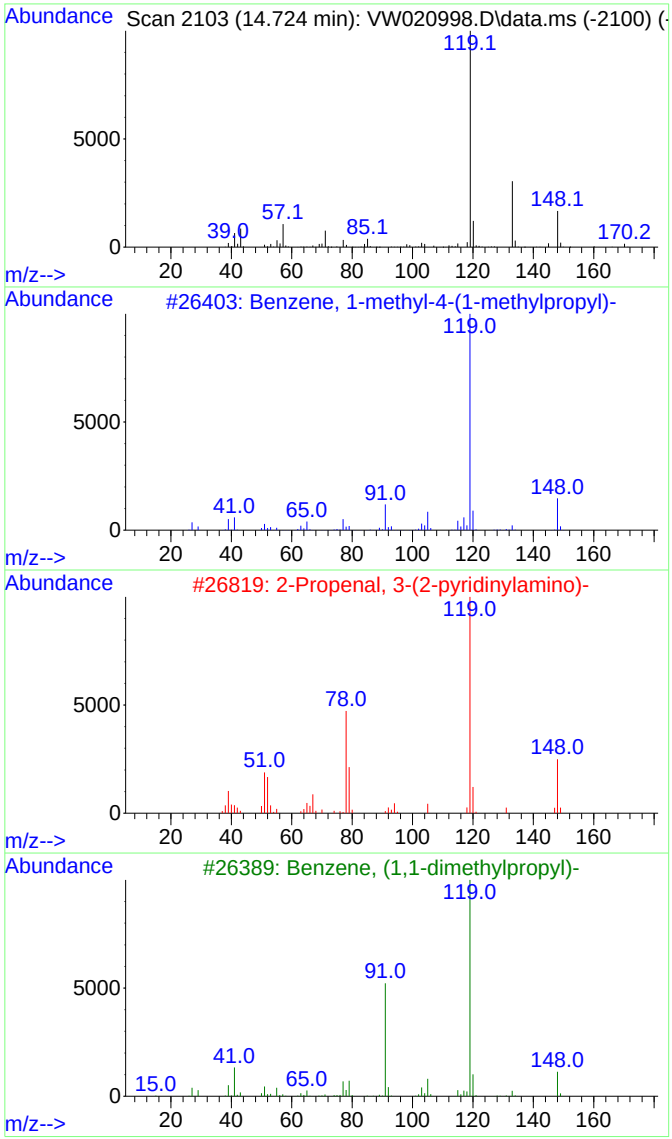
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

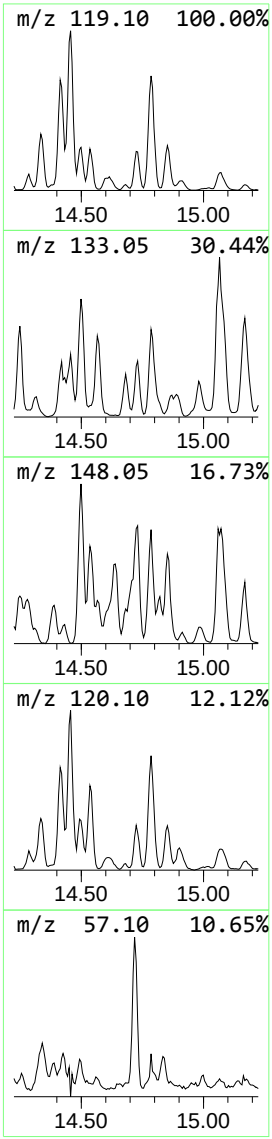
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 Benzene, 1-methyl-4-(1-meth... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.724	2.72 ug/L	323021	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	53
2	2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	53
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	53
4	3,5-Dimethylbenzylpentylamine	205	C14H23N	1000491-60-8	53
5	p-Menthane, 2,3-dibromo-8-phenyl-	372	C16H22Br2	1000152-61-6	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

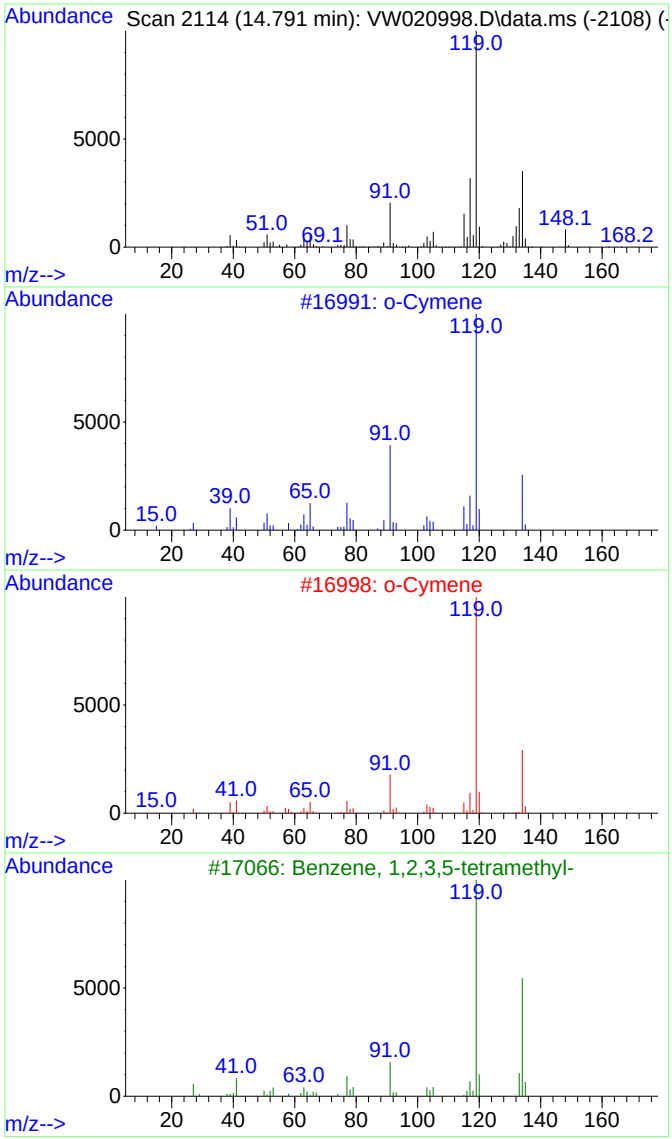
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

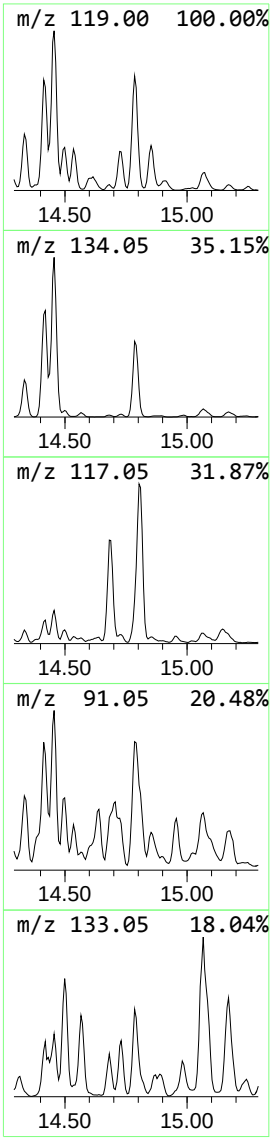
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.791	10.78 ug/L	1280880	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	76
2	o-Cymene	134	C10H14	000527-84-4	76
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70
5	o-Cymene	134	C10H14	000527-84-4	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

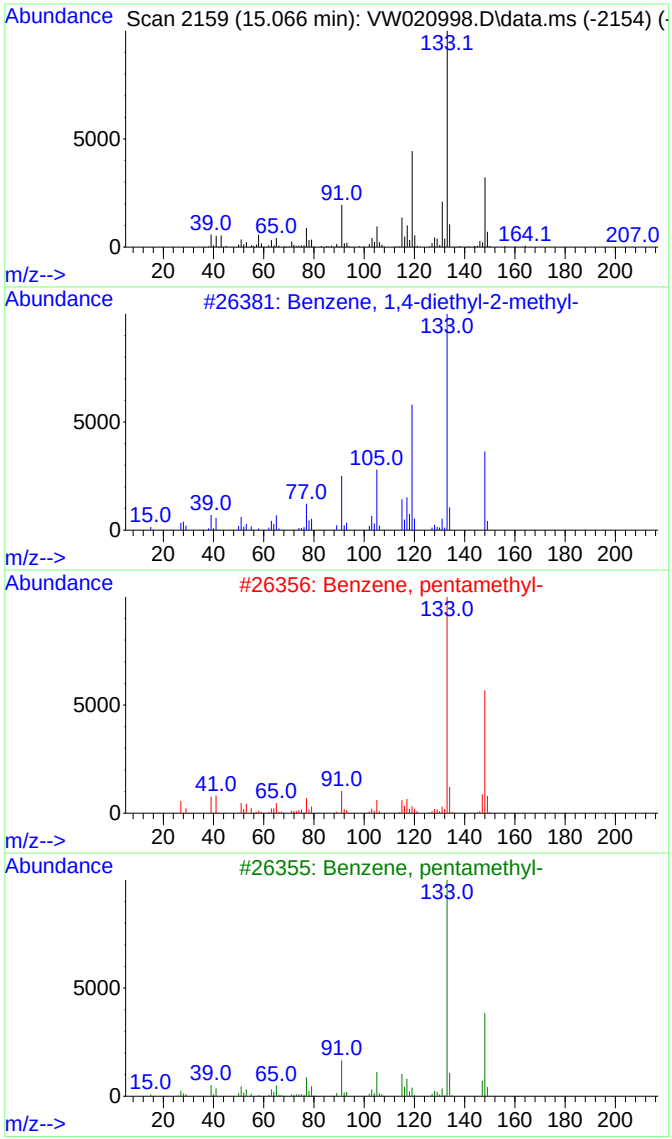
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

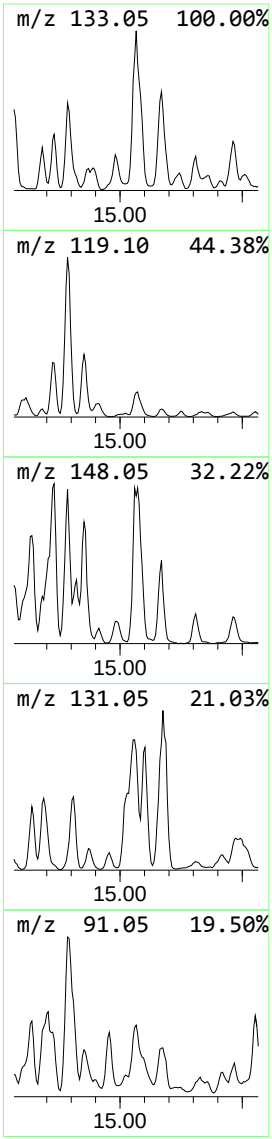
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.066	5.83 ug/L	693145	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	83
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	70
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	64
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	64
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

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

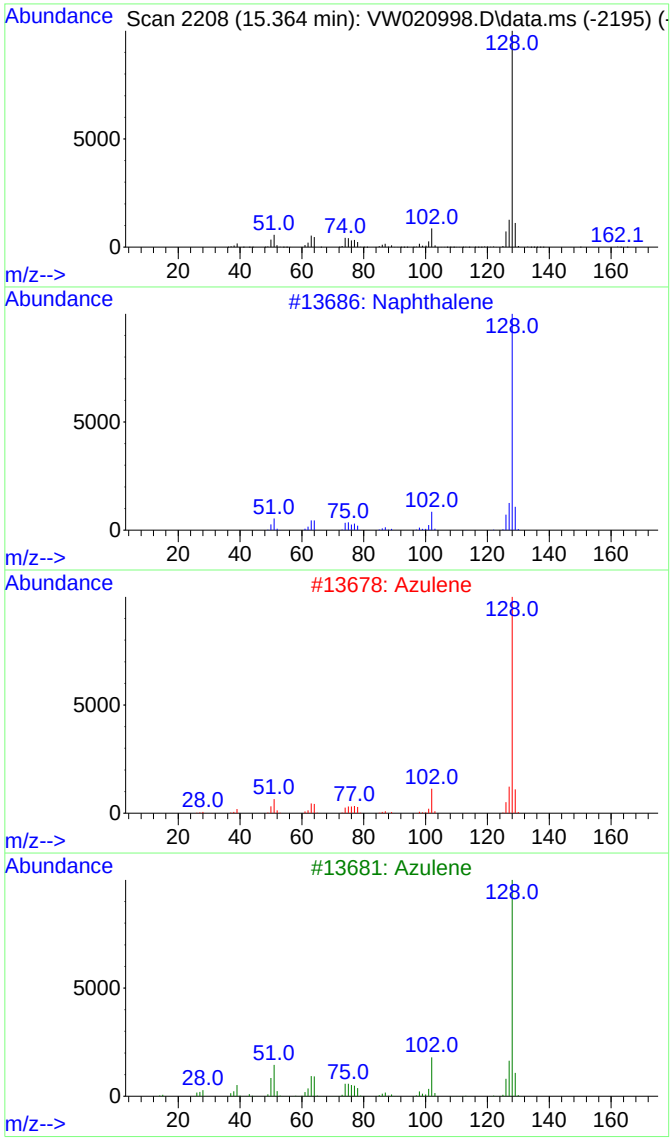
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

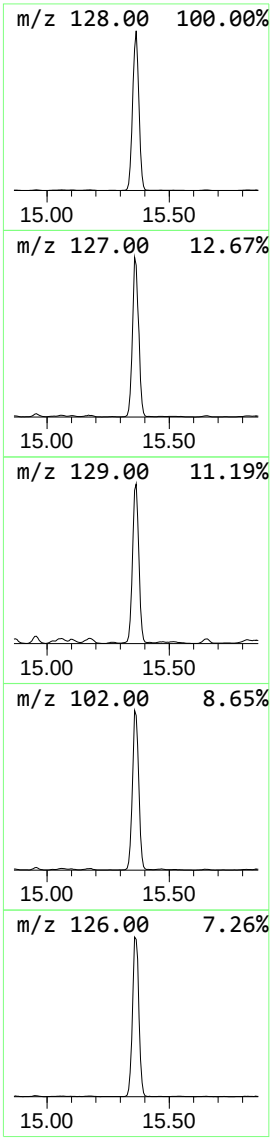
****

Peak Number 48 Azulene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.364	40.87 ug/L	4856170	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Azulene	128	C10H8	000275-51-4	94
3	Azulene	128	C10H8	000275-51-4	91
4	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	91
5	Naphthalene	128	C10H8	000091-20-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

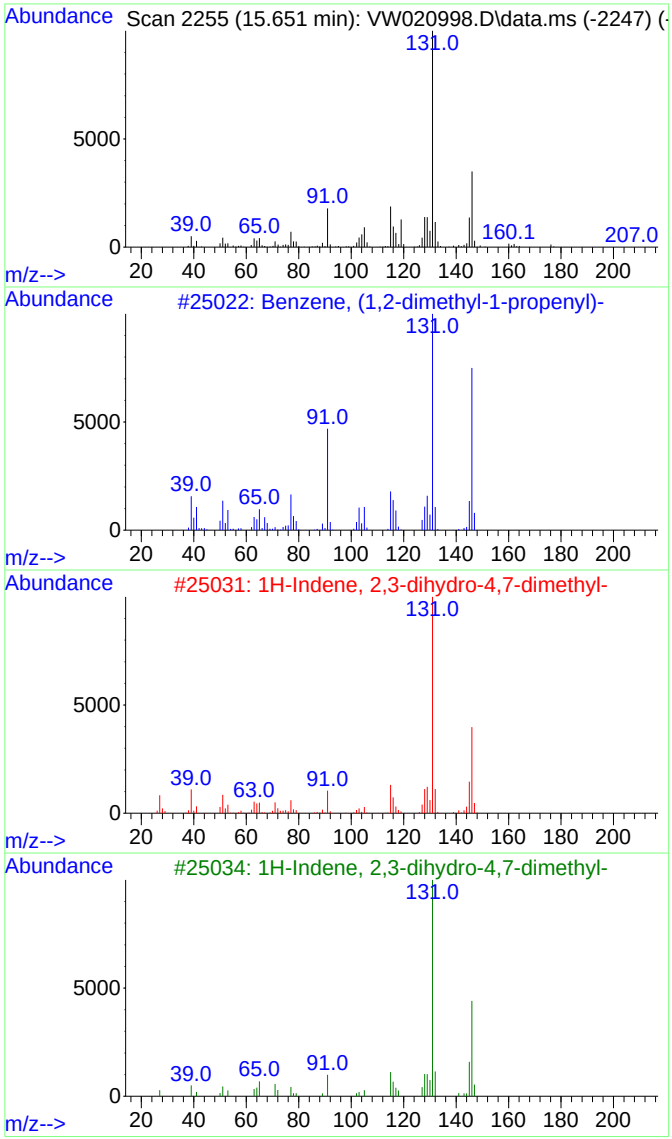
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0

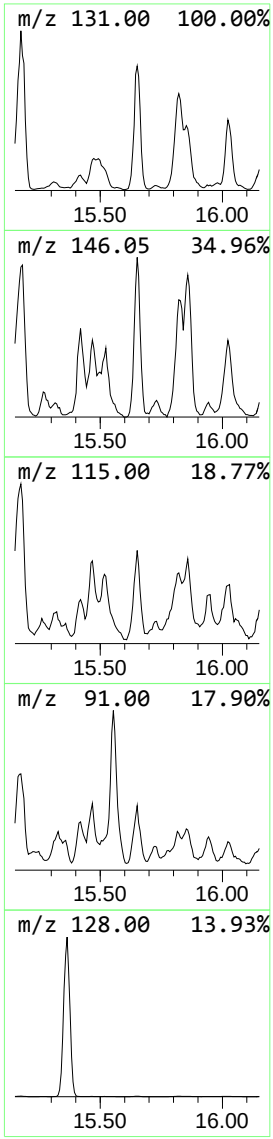
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	2.07 ug/L	245723	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	95
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	93
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120121\
Data File : VW020998.D
Acq On : 01 Dec 2021 10:43
Operator : SY/VA
Sample : M4868-01
Misc : 5.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKN8

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
unknown-01	2.501	3.9	ug/L	51394	1	8.841	331351	25.0
Ethyl ether	3.684	128.9	ug/L	1708750	1	8.841	331351	25.0
(DEL) Alkane: S...	5.945	3.8	ug/L	50357	1	8.841	331351	25.0
CH3C(O)CH2CH2OH	7.256	4.5	ug/L	59708	1	8.841	331351	25.0
(DEL) Alkane: S...	8.158	5.0	ug/L	66907	1	8.841	331351	25.0
(DEL) Alkane: S...	8.695	7.5	ug/L	98922	1	8.841	331351	25.0
(DEL) Alkane: S...	9.957	3.6	ug/L	47915	1	8.841	331351	25.0
(DEL) Alkane: S...	10.097	4.5	ug/L	60042	1	8.841	331351	25.0
(DEL) Alkane: S...	10.506	4.9	ug/L	95822	2	11.633	490930	25.0
(DEL) Alkane: C...	11.182	3.9	ug/L	76445	2	11.633	490930	25.0
(DEL) Alkane: C...	11.231	2.7	ug/L	52762	2	11.633	490930	25.0
(DEL) Alkane: C...	11.274	2.3	ug/L	45762	2	11.633	490930	25.0
(DEL) Alkane: S...	11.414	9.6	ug/L	188530	2	11.633	490930	25.0
(DEL) Alkane: S...	11.512	5.2	ug/L	101095	2	11.633	490930	25.0
(DEL) Alkane: C...	11.920	3.8	ug/L	73688	2	11.633	490930	25.0
(DEL) Alkane: S...	12.249	3.4	ug/L	66901	2	11.633	490930	25.0
(DEL) Alkane: C...	12.304	3.0	ug/L	58453	2	11.633	490930	25.0
Bicyclo[3.3.1]n...	12.341	8.4	ug/L	165753	2	11.633	490930	25.0
(DEL) Alkane: C...	12.383	8.9	ug/L	174935	2	11.633	490930	25.0
unknown-02	12.566	10.4	ug/L	204506	2	11.633	490930	25.0
Benzene, propyl-	12.804	10.8	ug/L	1278110	3	13.560	2970770	25.0
Benzene, 1-ethy...	12.865	42.8	ug/L	5086400	3	13.560	2970770	25.0
Benzene, 1-ethy...	13.103	19.6	ug/L	2332800	3	13.560	2970770	25.0
Benzene, (1-met...	13.377	3.0	ug/L	357909	3	13.560	2970770	25.0
p-Cymene	13.444	4.8	ug/L	574140	3	13.560	2970770	25.0
o-Cymene	13.493	3.6	ug/L	430032	3	13.560	2970770	25.0
Benzene, 1,3-di...	13.718	2.9	ug/L	341764	3	13.560	2970770	25.0
Benzene, 1-ethe...	13.755	25.2	ug/L	2989800	3	13.560	2970770	25.0
Benzene, 1-ethy...	13.786	16.2	ug/L	1928090	3	13.560	2970770	25.0
1-Propyne, 3-ph...	13.944	8.7	ug/L	1038340	3	13.560	2970770	25.0
Benzene, 2-ethy...	14.011	6.0	ug/L	712828	3	13.560	2970770	25.0
Benzene, 4-ethy...	14.035	5.7	ug/L	679744	3	13.560	2970770	25.0
Benzene, 2-ethy...	14.096	9.3	ug/L	1109830	3	13.560	2970770	25.0
unknown-03	14.200	6.3	ug/L	753618	3	13.560	2970770	25.0
Benzene, 1,2,3,...	14.334	3.2	ug/L	374956	3	13.560	2970770	25.0
Benzene, 1,2,4,...	14.413	7.8	ug/L	922568	3	13.560	2970770	25.0
Benzene, 1-ethy...	14.456	7.2	ug/L	852908	3	13.560	2970770	25.0
Benzene, 1,3-di...	14.499	3.0	ug/L	351427	3	13.560	2970770	25.0
Benzene, (1,1-d...	14.535	2.0	ug/L	239123	3	13.560	2970770	25.0
Benzene, 2-ethe...	14.688	3.3	ug/L	390516	3	13.560	2970770	25.0
Benzene, 1-meth...	14.724	2.7	ug/L	323021	3	13.560	2970770	25.0
Benzene, 1,2,3,...	14.791	10.8	ug/L	1280880	3	13.560	2970770	25.0
Benzene, 1,4-di...	15.066	5.8	ug/L	693145	3	13.560	2970770	25.0
Azulene	15.364	40.9	ug/L	4856170	3	13.560	2970770	25.0
Benzene, (1,2-d...	15.651	2.1	ug/L	245723	3	13.560	2970770	25.0