LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

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\SFAMWLM081821SMA.M
Title : SFAM01.0

Signal : TIC: VW019882.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.977	480	504	551	rVB	5494794	26072385	8.49%	0.559%
2	5.452	565	582	619	rBV	4379281	17997594	5.86%	0.386%
3	5.952	649	664	684	rVV	12420234	39035453	12.70%	0.836%
4	6.891	807	818	825	rVV2	1569147	5740271	1.87%	0.123%
5	6.994	825	835	857	rVV	17176284	58820721	19.14%	1.260%
6	7.702	944	951	969	rVB2	4497813	12355515	4.02%	0.265%
7	7.946	980	991	1002	rBV4	26523821	110179775	35.86%	2.361%
8	8.049	1002	1008	1019	rVB2	8702603	25033608	8.15%	0.536%
9	8.171	1019	1028	1035	rBV	36325472	95103703	30.95%	2.038%
10	8.232	1035	1038	1062	rVB2	8400066	22875567	7.44%	0.490%
11	8.452	1062	1074	1080	rBV2	28410365	78336742	25.49%	1.679%
12	8.519	1080	1085	1091	rVV2	22084556	52358090	17.04%	1.122%
13	8.592	1091	1097	1107	rVB	41270918	104614046	34.05%	2.242%
14	8.701	1107	1115	1128	rVB	9707884	20475621	6.66%	0.439%
15	8.842	1128	1138	1143	rBV3	14517340	35977497	11.71%	0.771%
16	8.890	1143	1146	1159	rVB	8339997	16241469	5.29%	0.348%
17	9.122	1179	1184	1203	rVB2	5782106	17353117	5.65%	0.372%
18	9.354	1203	1222	1239	rBV6	67787048	307275483	100.00%	6.585%
19	9.524	1239	1250	1257	rBV	30814054	63604501	20.70%	1.363%
20	9.622	1257	1266	1273	rBV	25145222	56480297	18.38%	1.210%
21	9.762	1283	1289	1298	rVB2	35035979	76080776	24.76%	1.630%
22	9.860	1298	1305	1309	rBV2	25112315	47856113	15.57%	1.025%
23	9.915	1309	1314	1317	rBV	11519377	17501473	5.70%	0.375%
24	9.976	1317	1324	1337	rVB2	51535140	167125783	54.39%	3.581%
25	10.110	1337	1346	1357	rBV2	44805256	118450923	38.55%	2.538%
26	10.213	1357	1363	1369	rBV	28521314	60837119	19.80%	1.304%
27	10.335	1375	1383	1387	rBV3	59794973	147775584	48.09%	3.167%
28	10.457	1397	1403	1406	rBV	16849257	30719810	10.00%	0.658%
29	10.518	1406	1413	1420	rVV5	49639354	139035155	45.25%	2.979%
30	10.579	1420	1423	1426	rVV	6160258	9248269	3.01%	0.198%
31	10.628	1426	1431	1434	rVV4	11678110	22133720	7.20%	0.474%
32	10.677	1434	1439	1446	rVB	50139410	99598410	32.41%	2.134%
33	10.762	1446	1453	1461	rBV3	43077854	123876082	40.31%	2.654%
34	10.854	1464	1468	1474	rVB3	14033104	27938418	9.09%	0.599%
35	10.951	1474	1484	1489	rBV2	32724710	72313126	23.53%	1.550%
36	11.024	1489	1496	1498	rBV3	15945491	31975902	10.41%	0.685%

LSC Area Percent Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

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\SFAMWLM081821SMA.M
Title : SFAM01.0

37	11.061	1498	1502	1507	rVV3	23398458	52547408	17.10%	1.126%
38	11.116	1507	1511	1514	rVV3	27000315	52951905	17.23%	1.135%
39	11.152	1514	1517	1520	rVV2	27486938	52266745	17.01%	1.120%
40	11.195	1520	1524	1528	rVV2	50561703	106232063	34.57%	2.276%
41	11.244	1528	1532	1537	rVV2	51148579	105405991	34.30%	2.259%
42	11.292	1537	1540	1544	rVV3	18805081	31753293	10.33%	0.680%
43	11.347	1544	1549	1554	rVB2	32975409	57544902	18.73%	1.233%
44	11.433	1554	1563	1573	rVB5	49427606	162095638	52.75%	3.473%
45	11.524	1573	1578	1593	rBV3	43892350	103650368	33.73%	2.221%
46	11.646	1593	1598	1601	rBV2	14459300	25483759	8.29%	0.546%
47	11.695	1602	1606	1609	rVV3	5542723	9982666	3.25%	0.214%
48	11.738	1609	1613	1617	rVV2	21743421	35175209	11.45%	0.754%
49	11.774	1617	1619	1622	rVV3	11959919	16945881	5.51%	0.363%
50	11.817	1622	1626	1632	rVV5	26196938	55419893	18.04%	1.188%
51	11.884	1632	1637	1641	rVV	32483745	64556949	21.01%	1.383%
52	11.920	1641	1643	1649	rVB3	25879760	40703710	13.25%	0.872%
53	11.981	1649	1653	1656	rBV3	4568426	6926514	2.25%	0.148%
54	12.048	1656	1664	1668	rBV3	8852221	25914578	8.43%	0.555%
55	12.146	1674	1680	1687	rBV2	35065556	85012983	27.67%	1.822%
56	12.262	1692	1699	1703	rVB2	31177936	57186724	18.61%	1.225%
57	12.347	1703	1713	1715	rBV5	38121248	85132237	27.71%	1.824%
58	12.469	1729	1733	1737	rBV	12913308	21819558	7.10%	0.468%
59	12.518	1737	1741	1743	rBV3	10824538	17915801	5.83%	0.384%
60	12.621	1754	1758	1760	rBV5	5685174	8368484	2.72%	0.179%
61	12.658	1760	1764	1768	rVB	23555434	31972904	10.41%	0.685%
62	12.707	1768	1772	1777	rVB4	11856344	18405271	5.99%	0.394%
63	12.798	1781	1787	1793	rVB3	28985147	68474136	22.28%	1.467%
64	12.865	1793	1798	1801	rBV5	7107042	14043075	4.57%	0.301%
65	12.939	1801	1810	1816	rBV5	24843712	74628255	24.29%	1.599%
66	12.999	1817	1820	1825	rVB2	11591769	16420440	5.34%	0.352%
67	13.109	1829	1838	1844	rBV3	27281218	72625943	23.64%	1.556%
68	13.170	1844	1848	1860	rVB3	27309558	52649409	17.13%	1.128%
69	13.262	1860	1863	1866	rBV4	4538711	7086021	2.31%	0.152%
70	13.304	1866	1870	1874	rVB4	4324405	7416905	2.41%	0.159%
71	13.353	1874	1878	1880	rBV2	5312067	8296545	2.70%	0.178%
72	13.384	1880	1883	1887	rVB2	7931699	10172184	3.31%	0.218%
73	13.445	1887	1893	1898	rBV4	27577221	55903286	18.19%	1.198%
74	13.493	1898	1901	1904	rBV2	10231768	13813042	4.50%	0.296%
75	13.554	1909	1911	1915	rVB	9589364	10041961	3.27%	0.215%
76	13.591	1915	1917	1920	rVB	5489467	5589712	1.82%	0.120%

LSC Area Percent Report

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Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

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\SFAMWLM081821SMA.M
Title : SFAM01.0

77	13.627	1920	1923	1930	rVB2	9652968	14807770	4.82%	0.317%
78	13.719	1933	1938	1941	rBV2	15303013	24991199	8.13%	0.536%
79	13.755	1941	1944	1948	rVB	13812993	19733960	6.42%	0.423%
80	13.804	1948	1952	1954	rBV2	8423269	12565590	4.09%	0.269%
81	13.883	1960	1965	1969	rBV3	25283960	43240505	14.07%	0.927%
82	14.011	1984	1986	1993	rVB3	5998994	9350205	3.04%	0.200%
83	14.097	1995	2000	2005	rBV	32290132	51972589	16.91%	1.114%
84	14.207	2012	2018	2024	rVB2	36860193	66915719	21.78%	1.434%
85	14.268	2024	2028	2034	rVB5	4305772	9564374	3.11%	0.205%
86	14.347	2034	2041	2044	rBV5	7151893	15864130	5.16%	0.340%
87	14.389	2044	2048	2051	rVV3	14700467	26905313	8.76%	0.577%
88	14.426	2051	2054	2062	rVB2	16623730	26405777	8.59%	0.566%
89	14.499	2062	2066	2070	rBV2	14292132	21058373	6.85%	0.451%
90	14.542	2070	2073	2080	rVB4	6298955	13718364	4.46%	0.294%
91	14.688	2093	2097	2102	rBV3	13934660	27040294	8.80%	0.579%
92	14.731	2102	2104	2109	rVB	6856580	8163385	2.66%	0.175%
93	14.798	2109	2115	2123	rBV3	33962920	85436779	27.80%	1.831%
94	14.956	2137	2141	2147	rVB2	4595082	7374644	2.40%	0.158%
95	15.060	2153	2158	2163	rVB2	11515410	19436687	6.33%	0.417%
96	15.176	2171	2177	2184	rVB2	11900912	26297204	8.56%	0.564%
97	15.316	2195	2200	2204	rBV3	3788216	7089141	2.31%	0.152%
98	15.365	2204	2208	2213	rVB	5888082	9586934	3.12%	0.205%
99	15.651	2247	2255	2262	rBV2	2167189	5227590	1.70%	0.112%
100	16.438	2377	2384	2396	rVB	3121585	6971067	2.27%	0.149%

Sum of corrected areas: 4666648059

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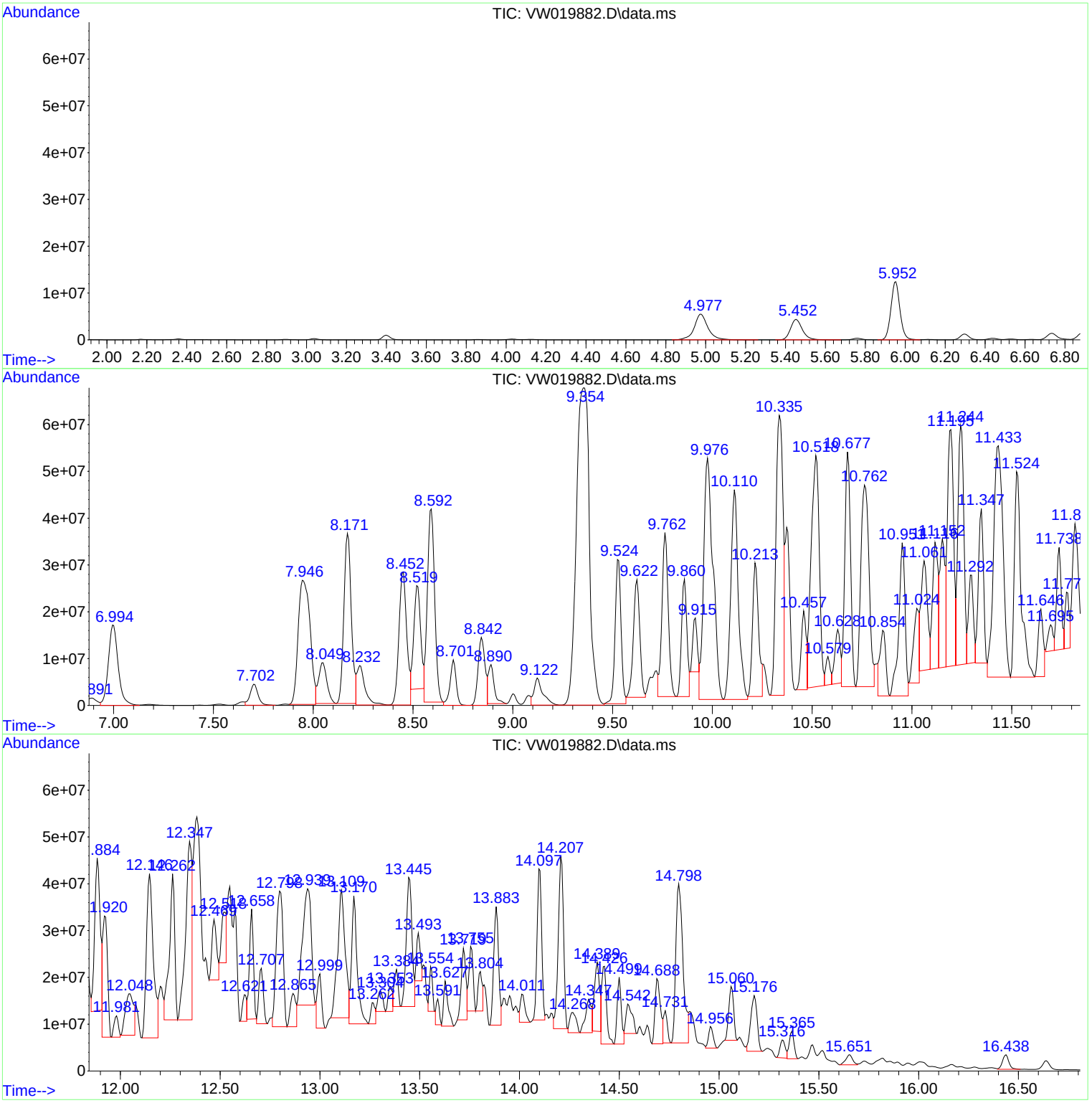
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

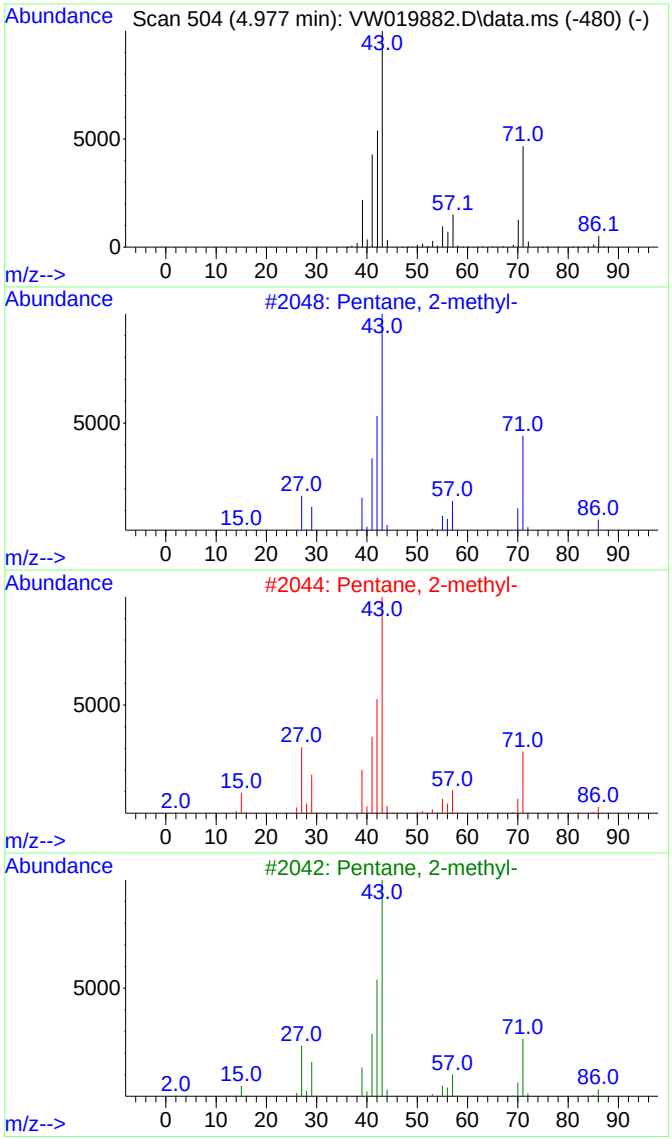
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

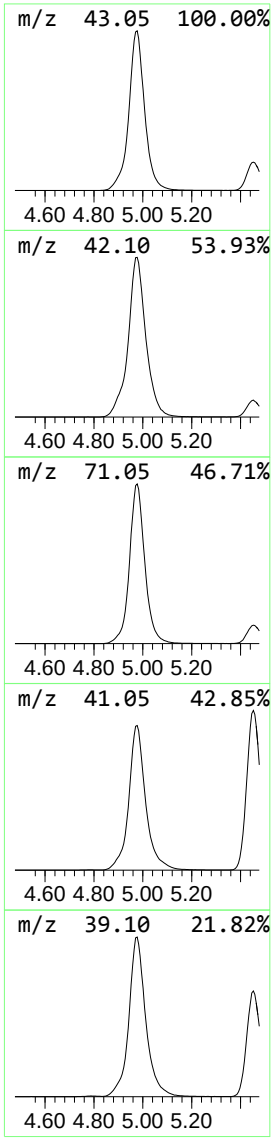
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.977	18.12 ug/L	26072400	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	78
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

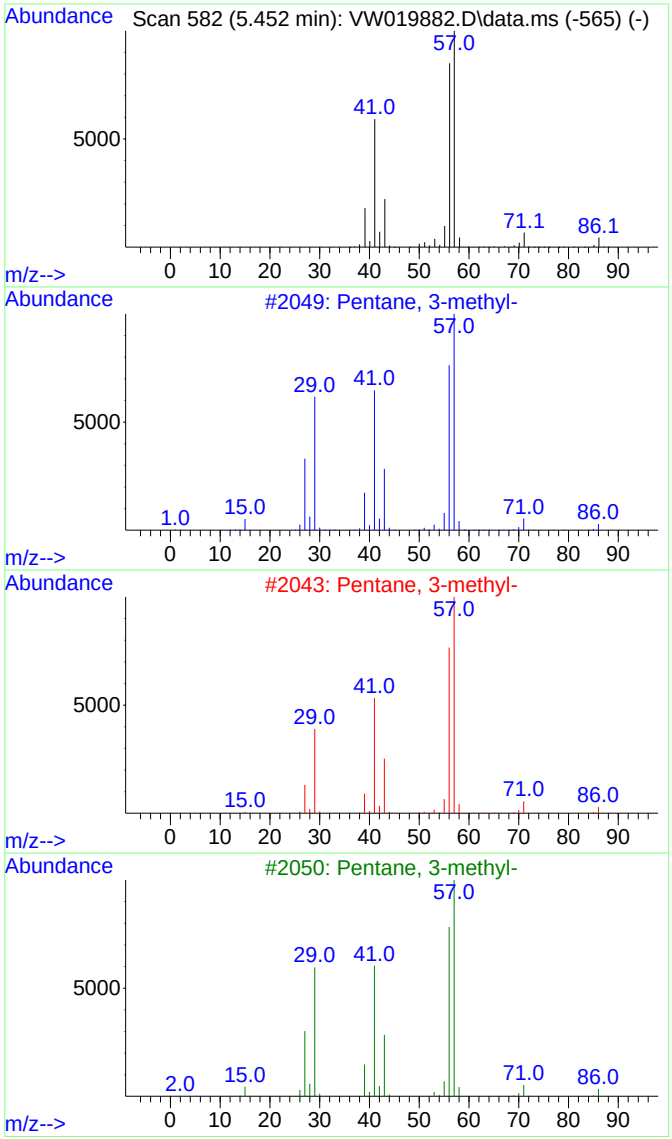
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

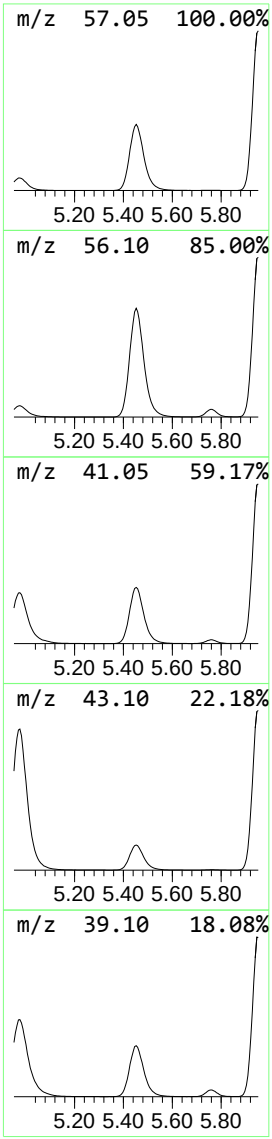
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.452	12.51 ug/L	17997600	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64





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Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

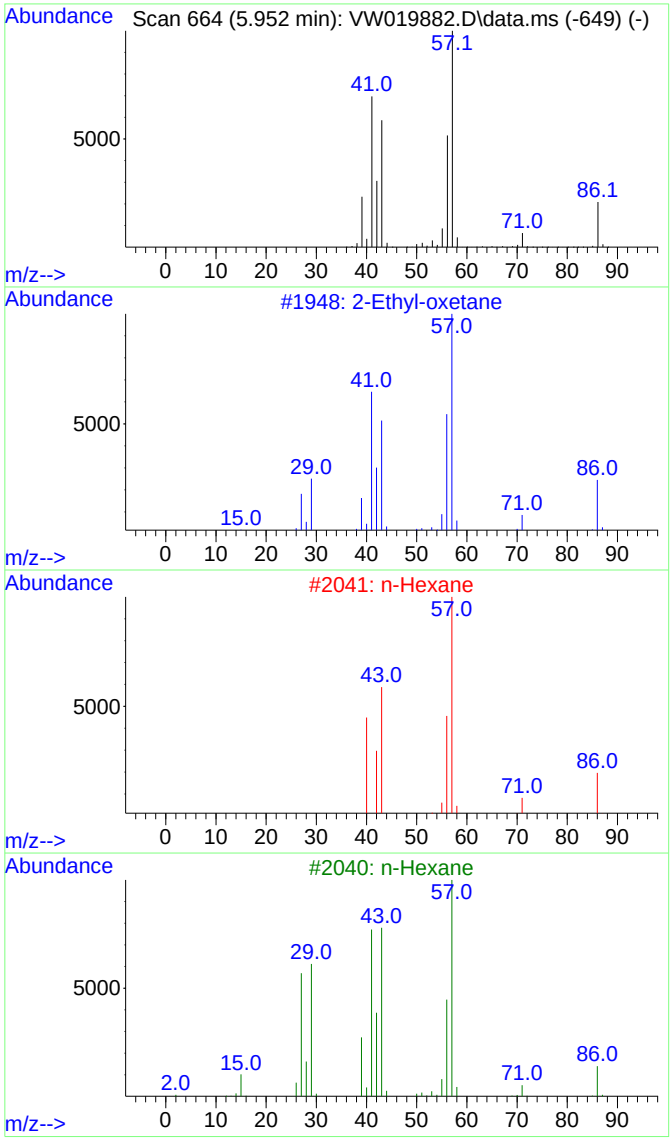
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

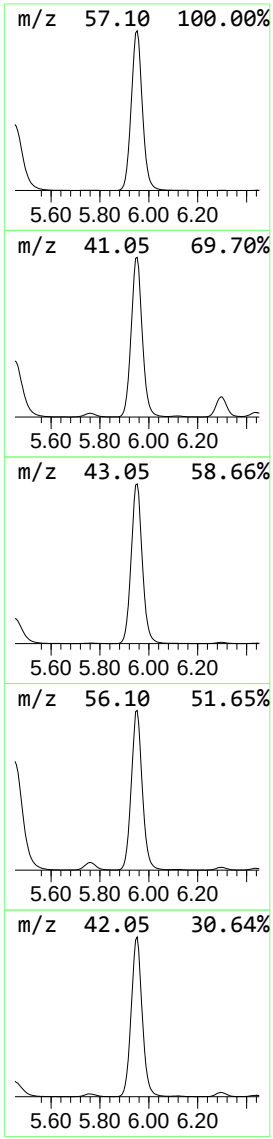
****

Peak Number 3 2-Ethyl-oxetane Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.952	27.12 ug/L	39035500	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	90
2	n-Hexane	86	C6H14	000110-54-3	87
3	n-Hexane	86	C6H14	000110-54-3	78
4	n-Hexane	86	C6H14	000110-54-3	78
5	n-Hexane	86	C6H14	000110-54-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
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Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

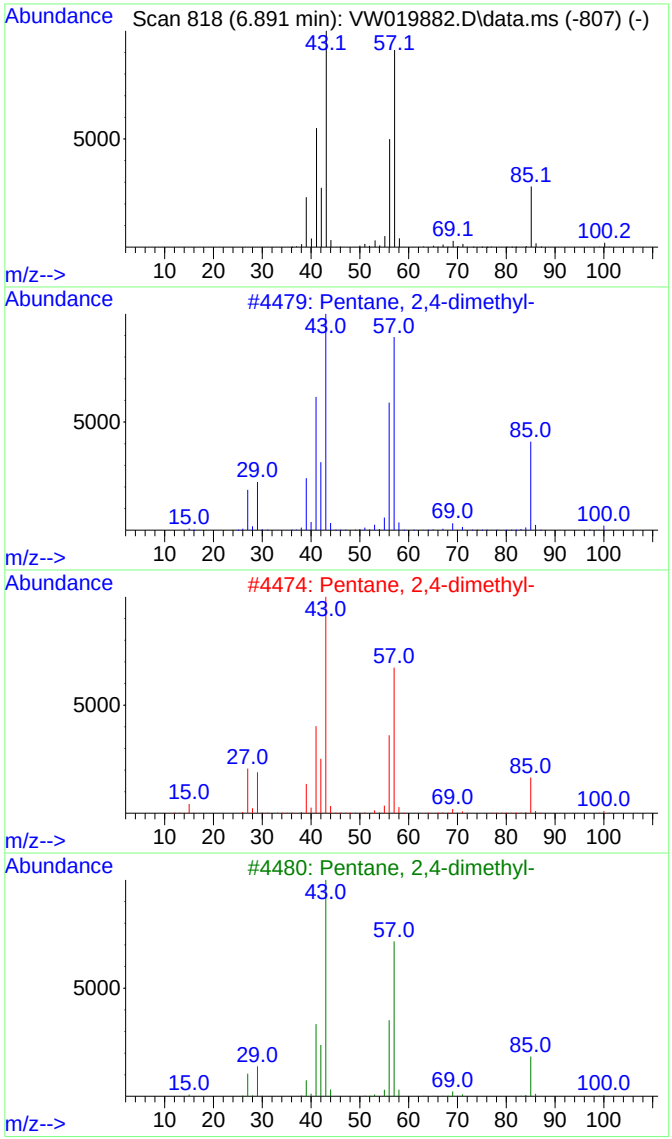
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

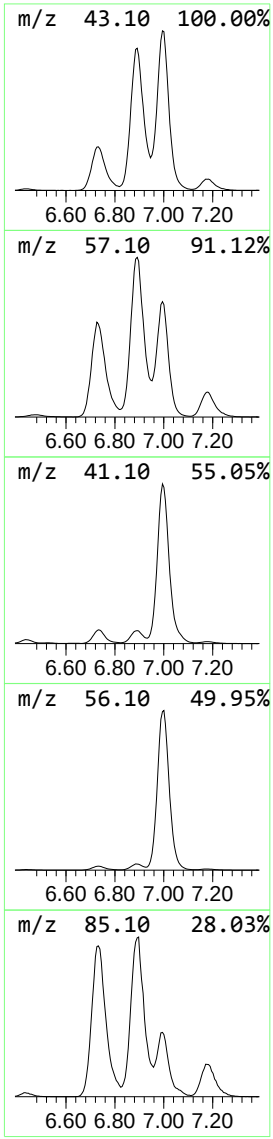
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.891	3.99 ug/L	5740270	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	74
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	72
5	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

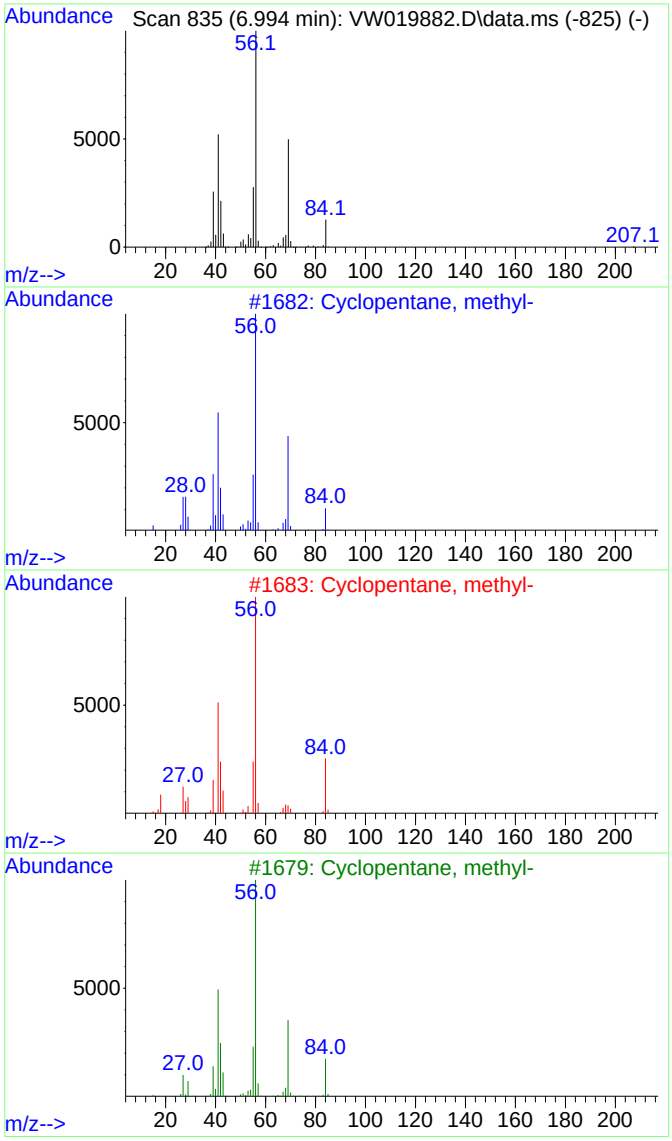
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

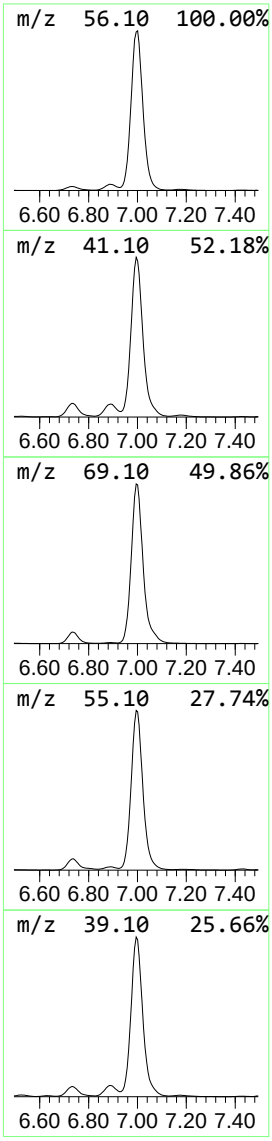
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Cyclic6.994 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.994	40.87 ug/L	58820700	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
5	Cyclobutane	56	C4H8	000287-23-0	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

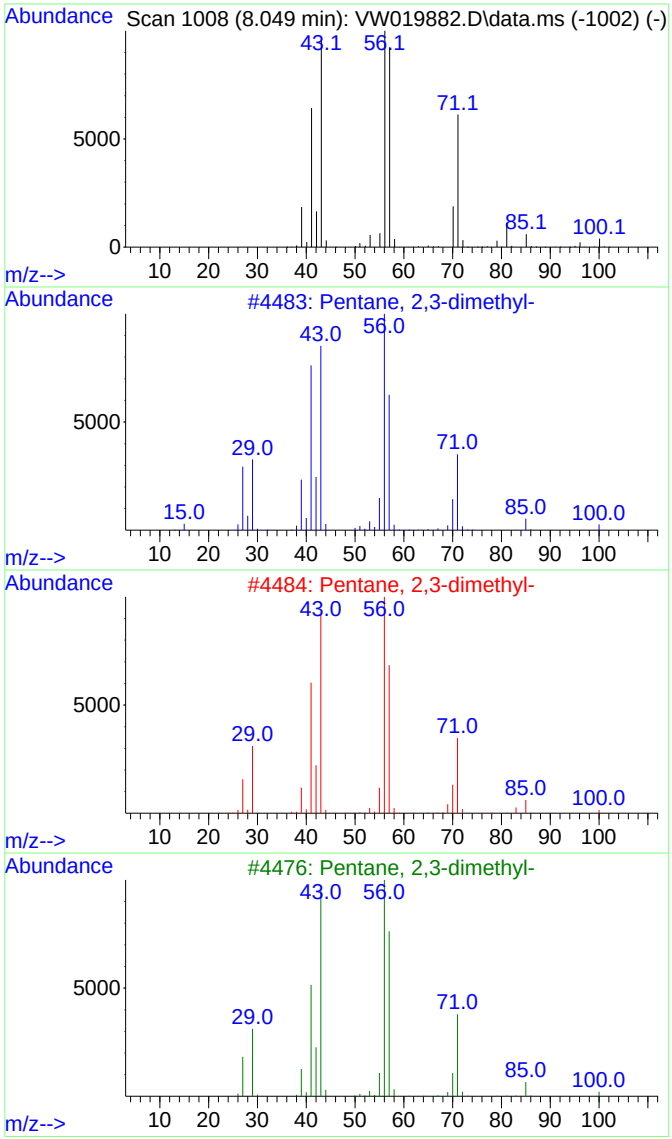
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

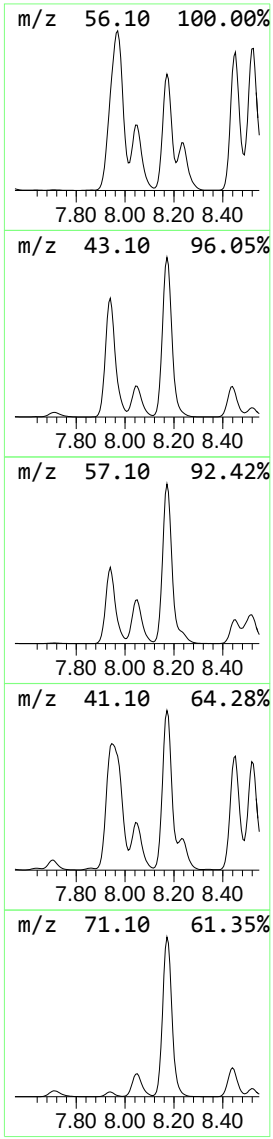
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.049	17.40 ug/L	25033600	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	64
5	Ethane, isocyanato-	71	C3H5NO	000109-90-0	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

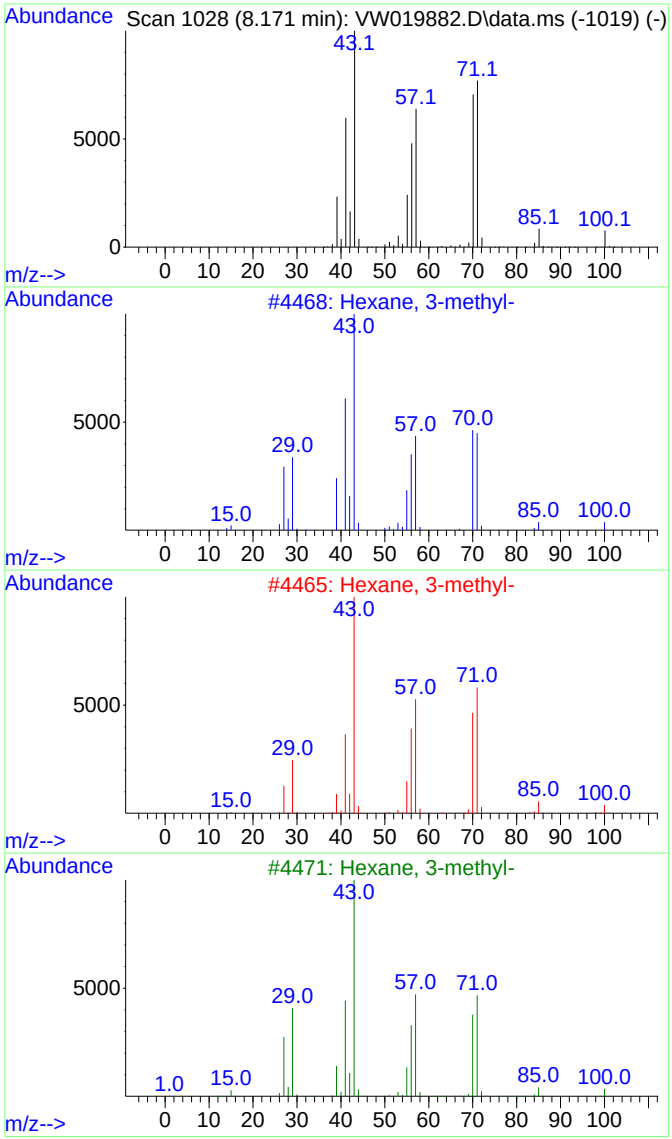
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

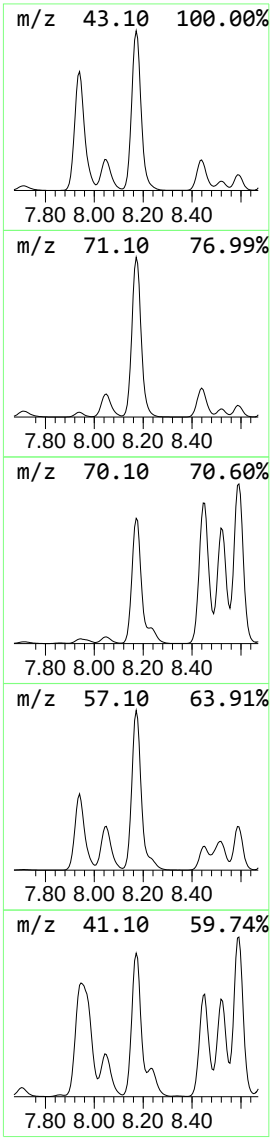
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.171	66.09 ug/L	95103700	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	96
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	90
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	90
4	Heptane	100	C7H16	000142-82-5	72
5	Heptane	100	C7H16	000142-82-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

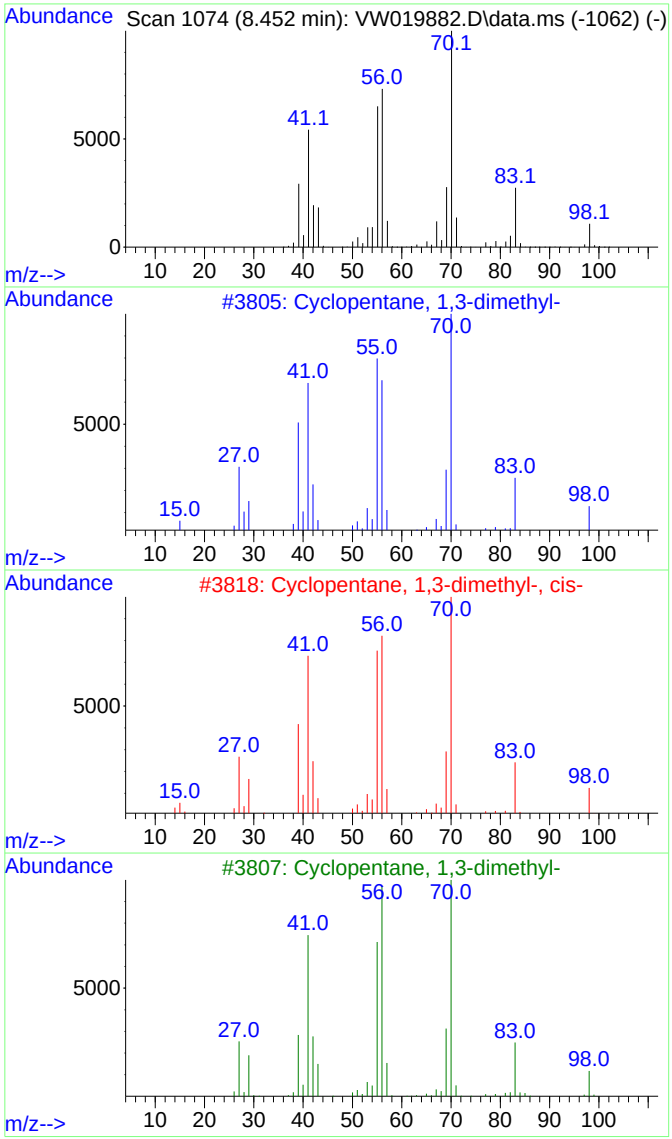
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

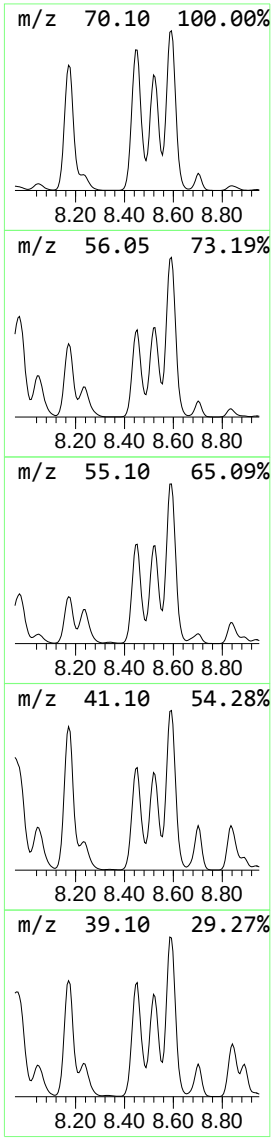
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Cyclic8.452 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.452	54.43 ug/L	78336700	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	87
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	87
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	86
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

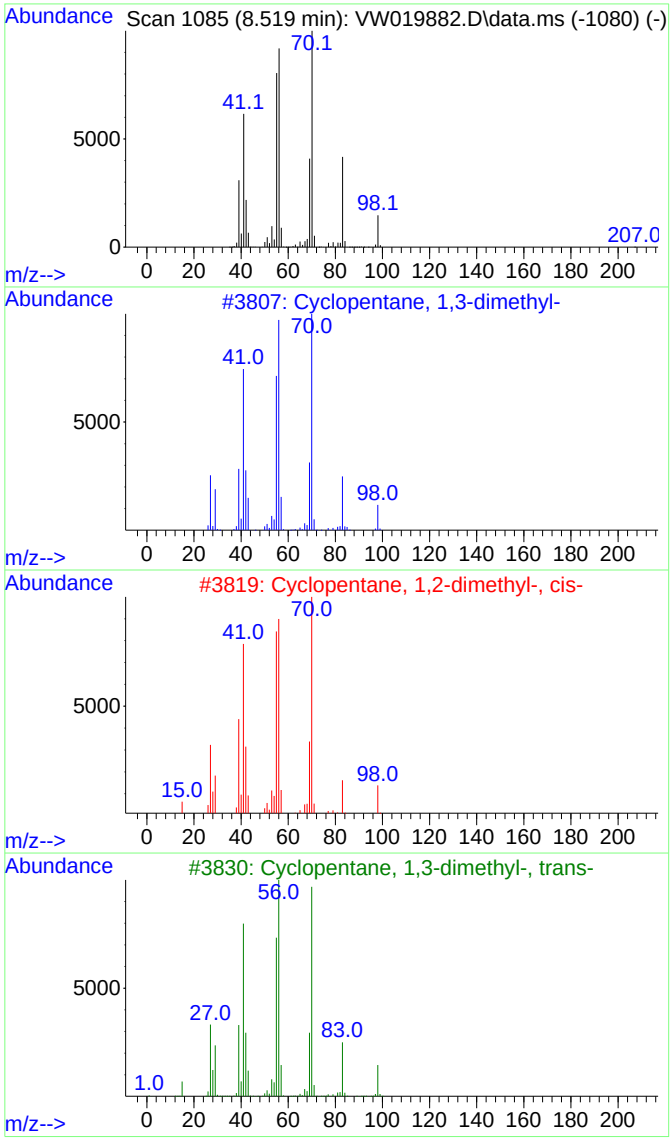
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

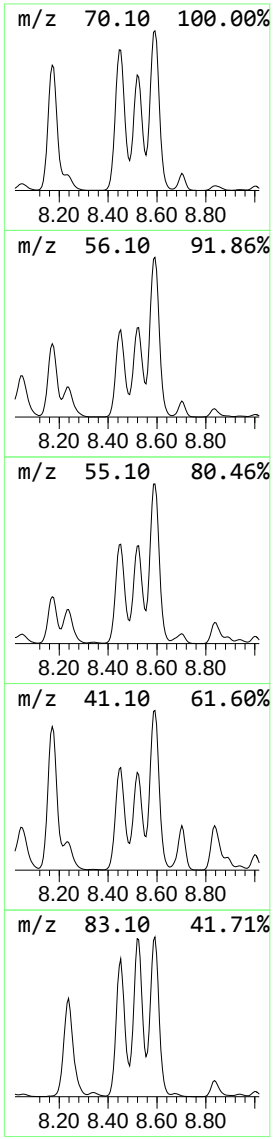
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Cyclic8.519 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.519	36.38 ug/L	52358100	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	90
2	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	87
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	86
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	86
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

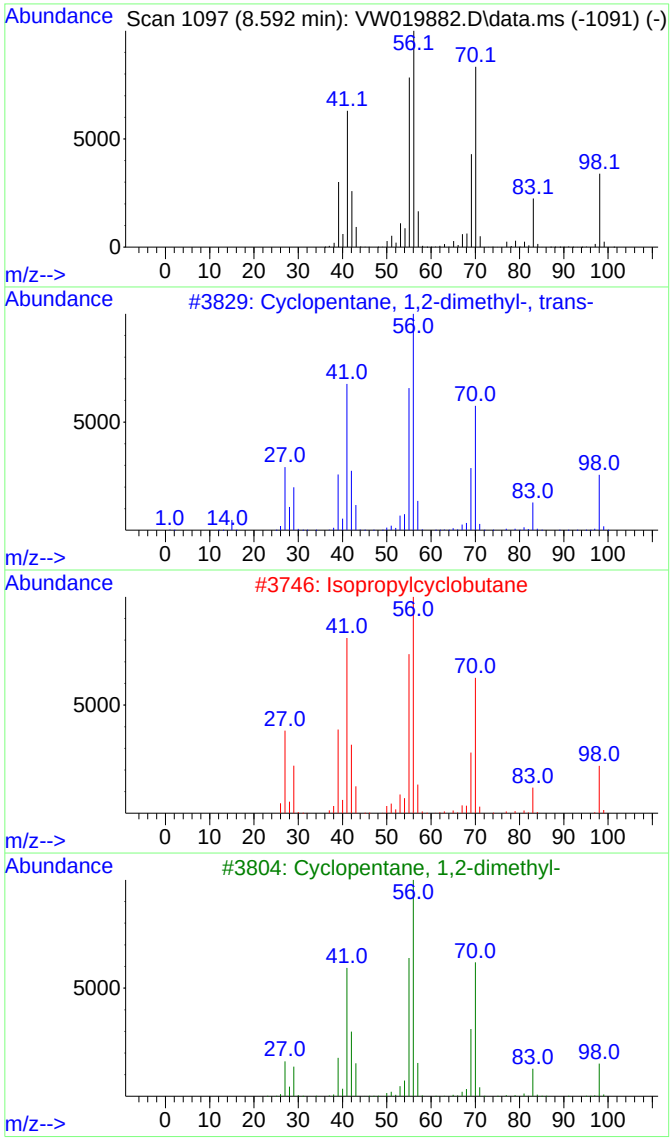
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

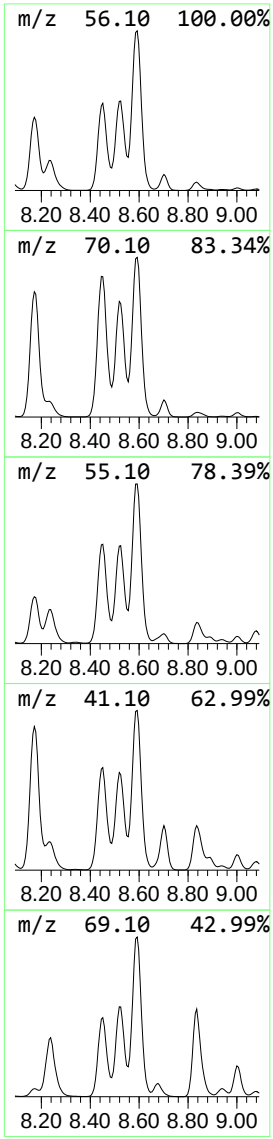
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic8.592 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.592	72.69 ug/L	104614000	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	94
2	Isopropylcyclobutane	98	C7H14	000872-56-0	94
3	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	94
4	1-Heptene	98	C7H14	000592-76-7	90
5	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

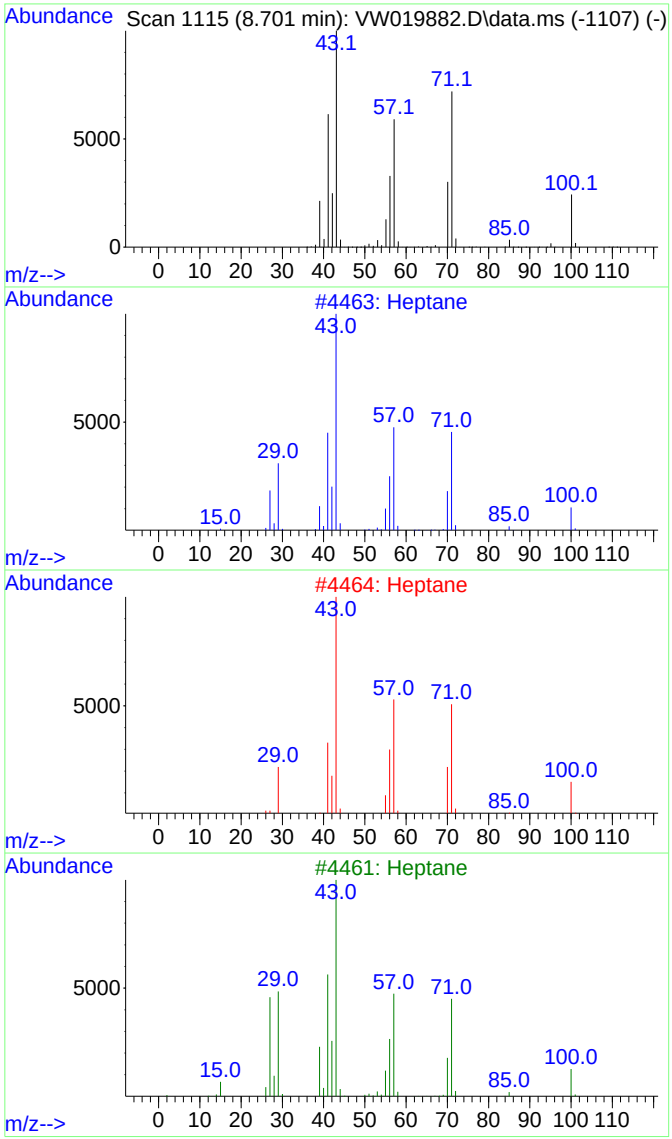
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

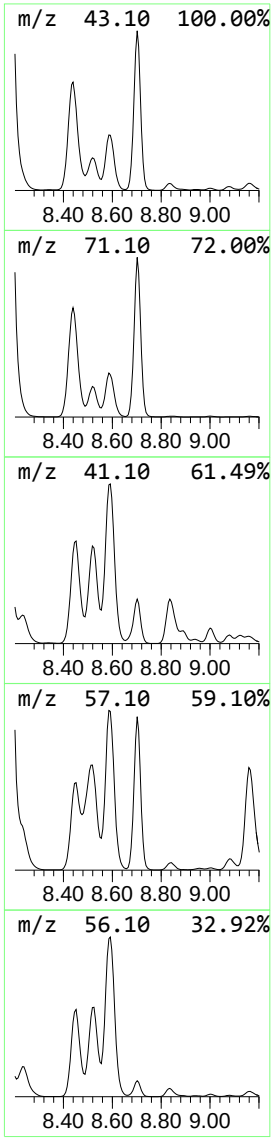
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.701	14.23 ug/L	20475600	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Heptane	100	C7H16	000142-82-5	86
3	Heptane	100	C7H16	000142-82-5	72
4	Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	47
5	Heptane	100	C7H16	000142-82-5	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

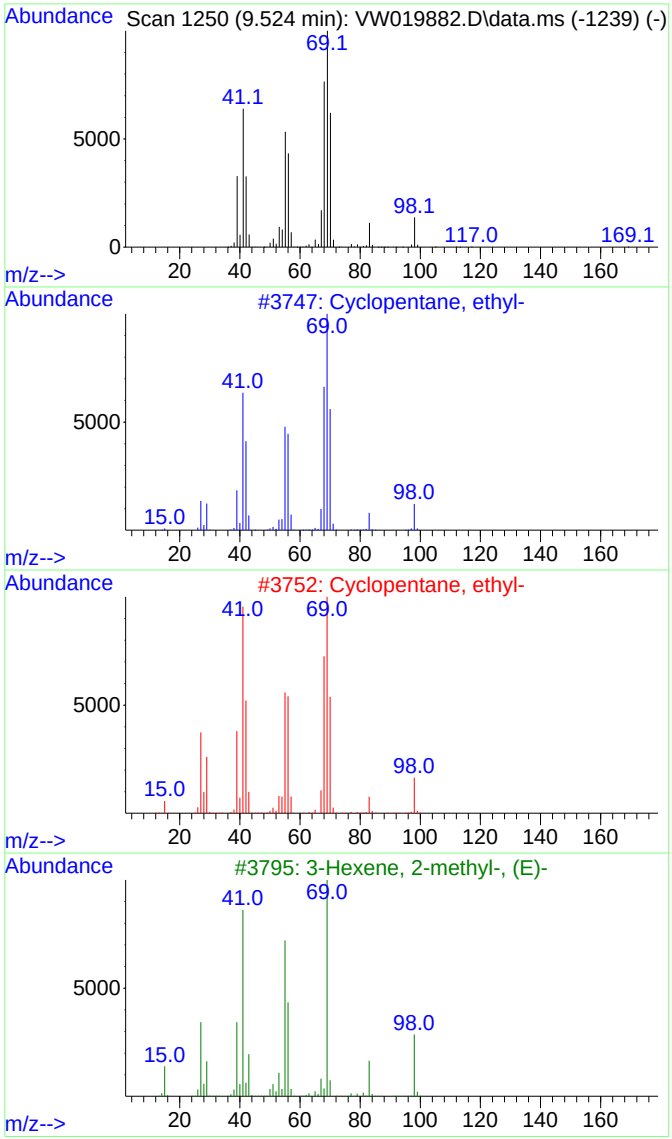
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

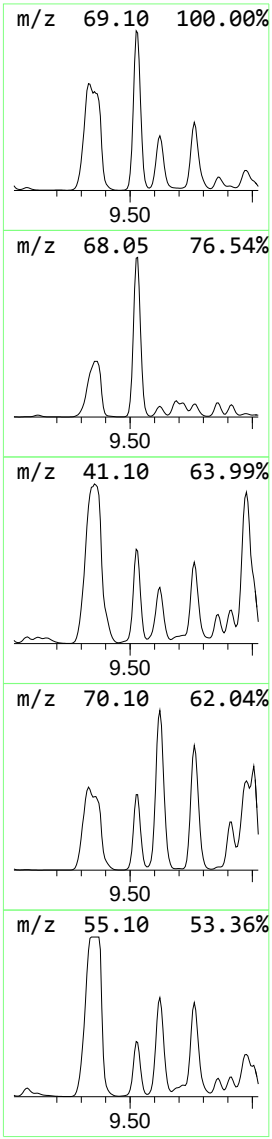
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Cyclic9.524 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.524	44.20 ug/L	63604500	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	97
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	94
3	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	49
4	1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	43
5	3-Hexene, 3-methyl-, (E)-	98	C7H14	003899-36-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

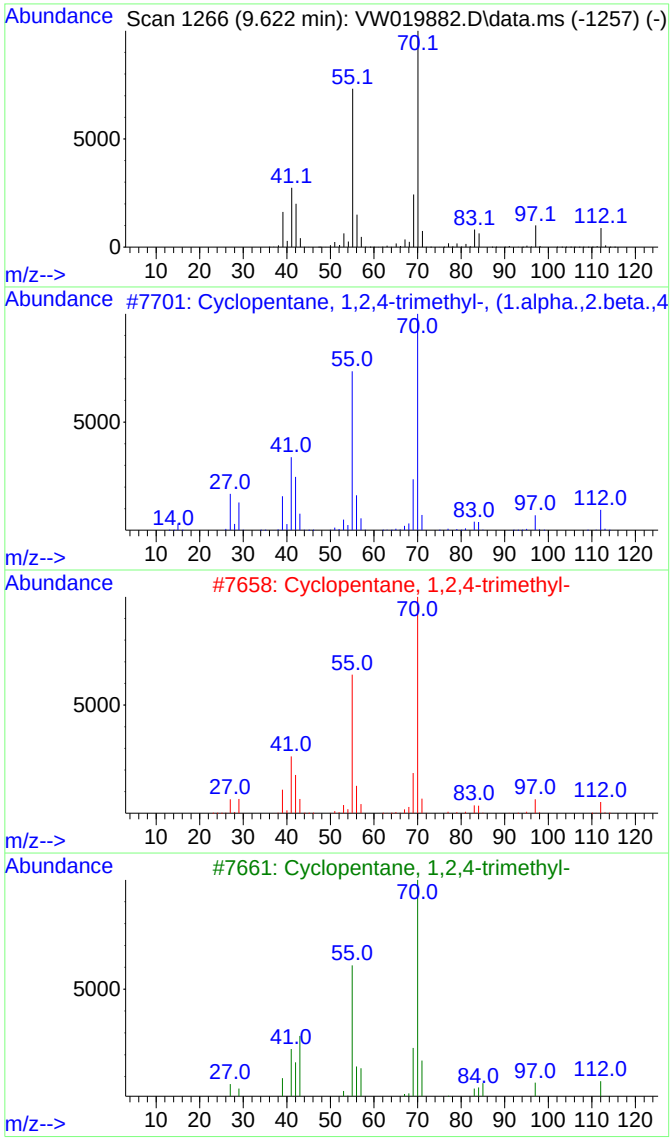
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

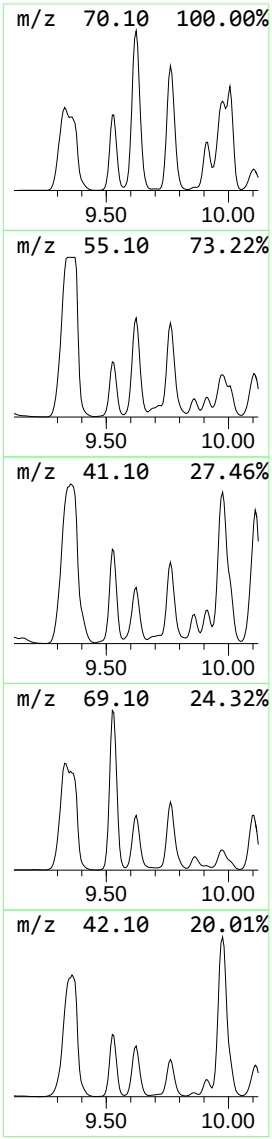
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Cyclic9.622 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.622	39.25 ug/L	56480300	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	91
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
4	Heptane, 3-methylene-	112	C8H16	001632-16-2	78
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

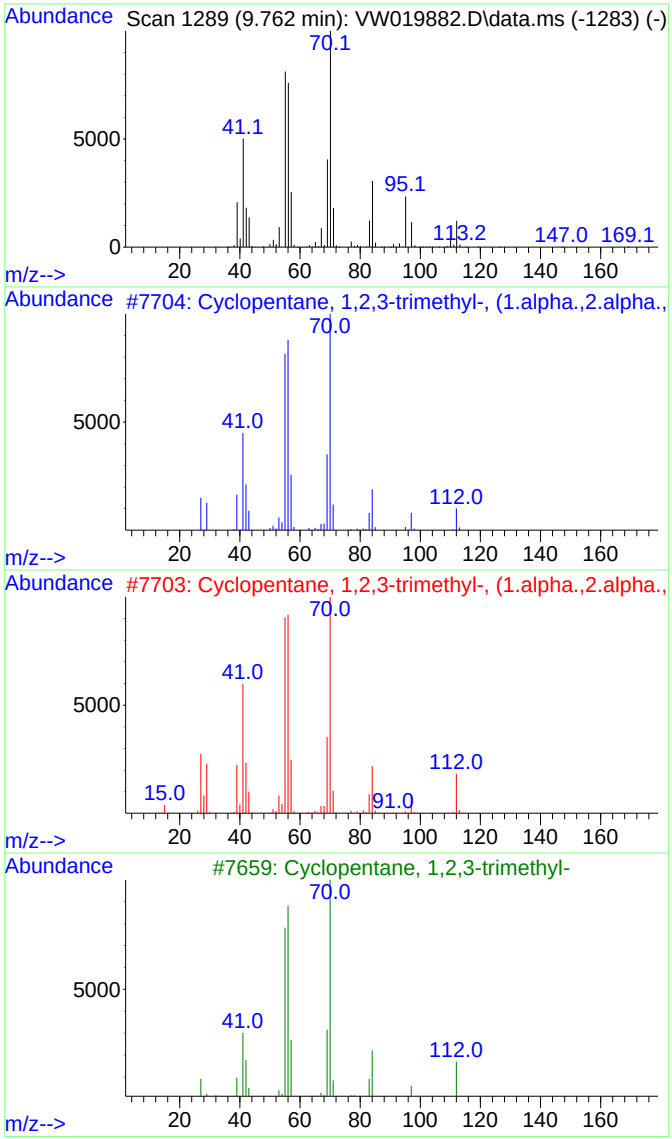
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

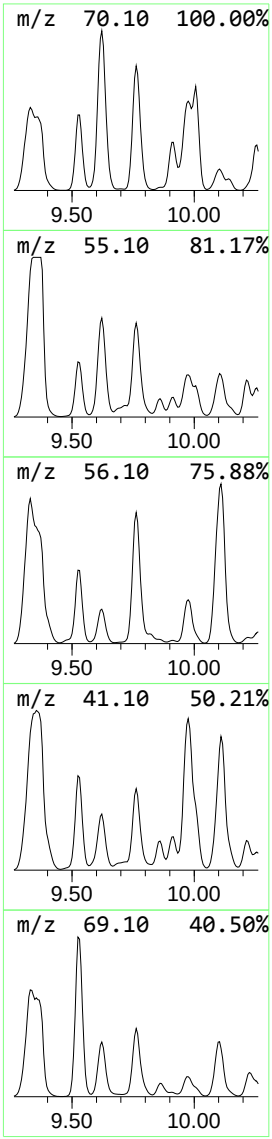
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Cyclic9.762 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.762	52.87 ug/L	76080800	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	87
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	80
3	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	72
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	47
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

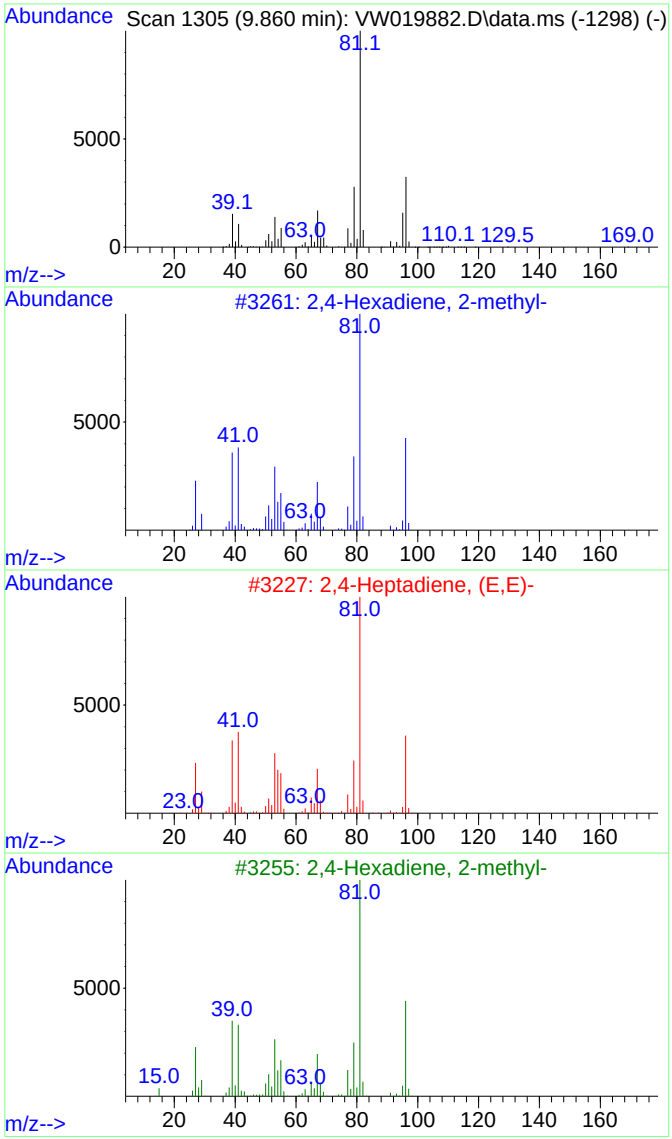
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

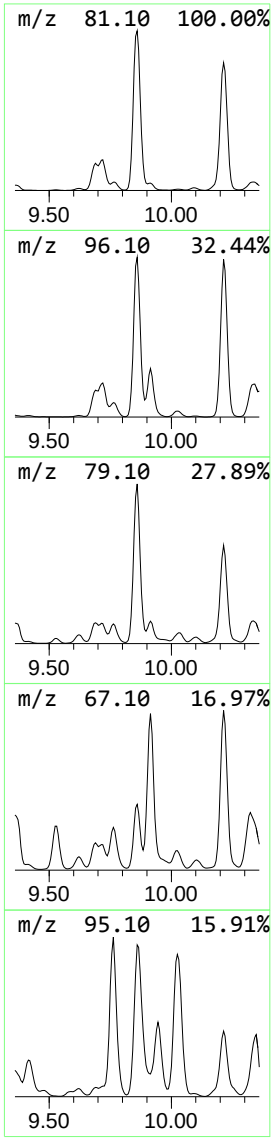
****

Peak Number 16 2,4-Hexadiene, 2-methyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.860	33.25 ug/L	47856100	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	91
2	2,4-Heptadiene, (E,E)-	96	C7H12	002384-94-3	91
3	2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	86
4	Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	83
5	1,4-Hexadiene, 5-methyl-	96	C7H12	000763-88-2	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

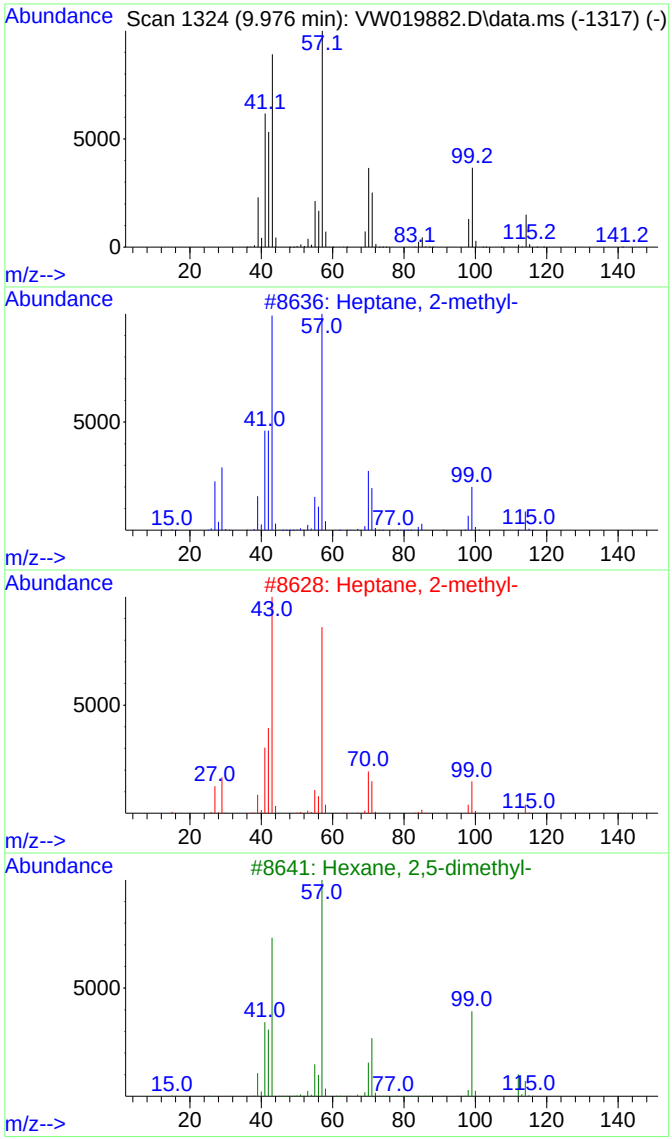
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

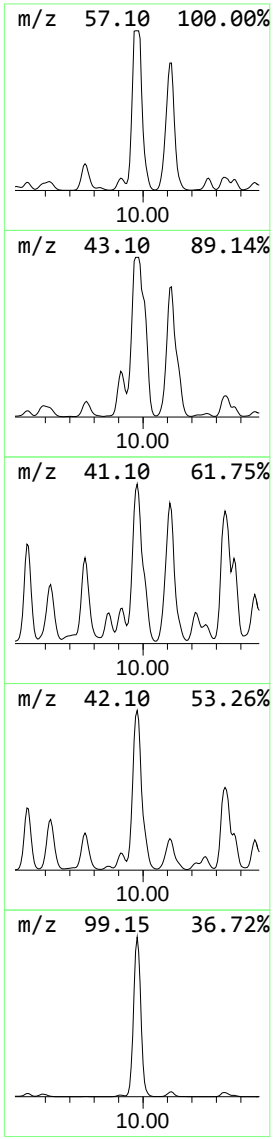
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.976	116.13 ug/L	167126000	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	83
4	Heptane, 2-methyl-	114	C8H18	000592-27-8	68
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

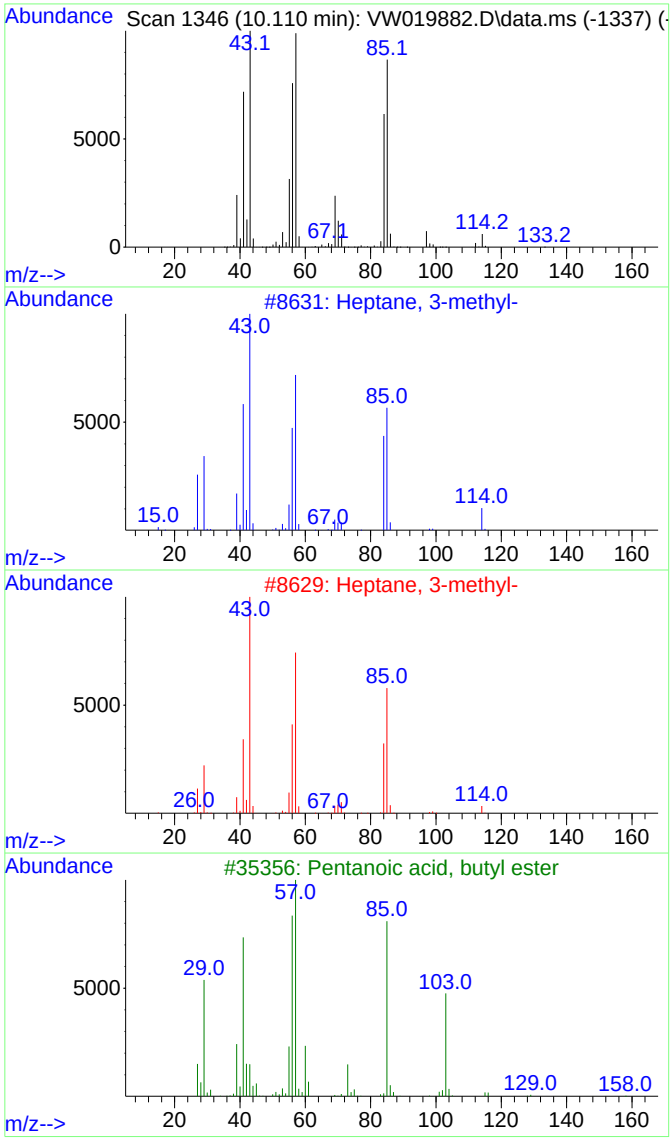
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

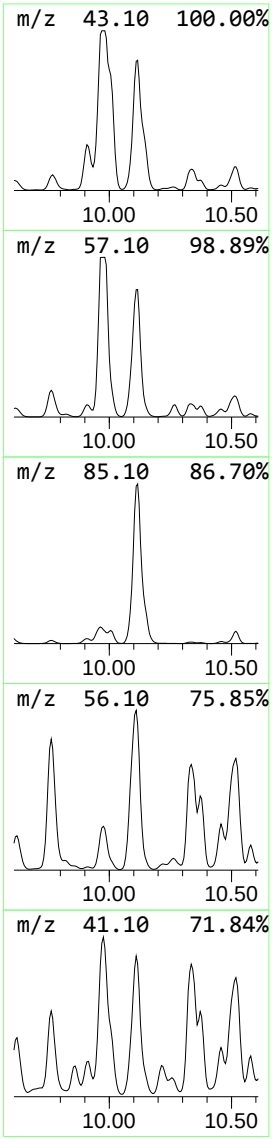
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.110	82.31 ug/L	118451000	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	86
3	Pentanoic acid, butyl ester	158	C9H18O2	000591-68-4	53
4	Butanoic acid, 3-methyl-, butyl ...	158	C9H18O2	000109-19-3	53
5	2-Propanone, propylhydrazone	114	C6H14N2	007423-00-9	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

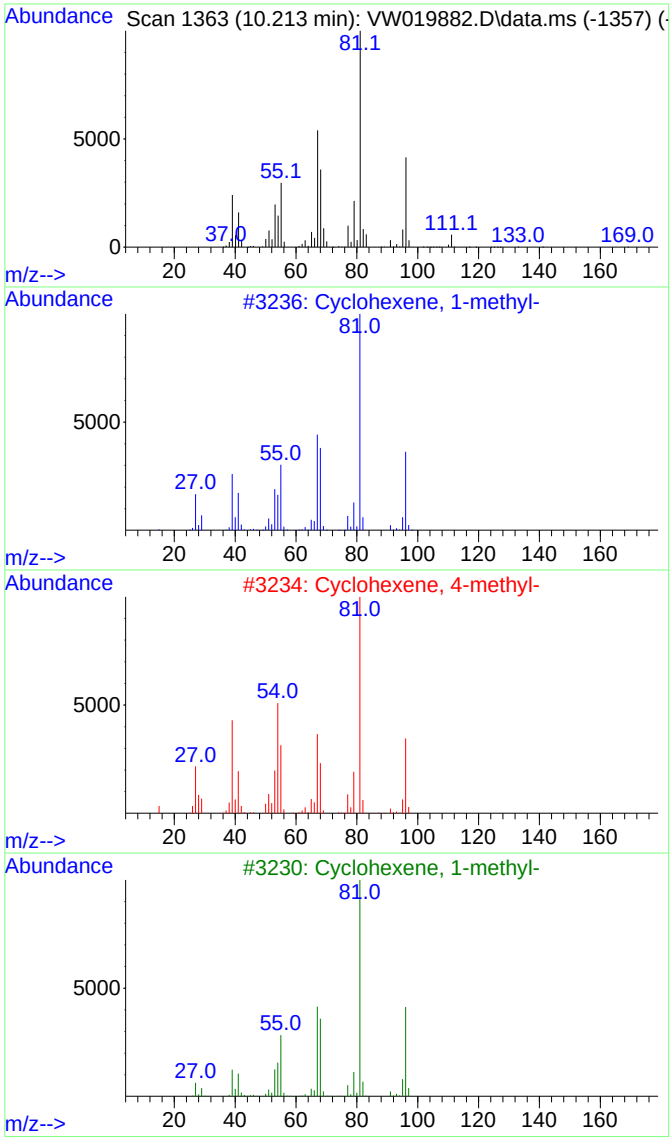
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

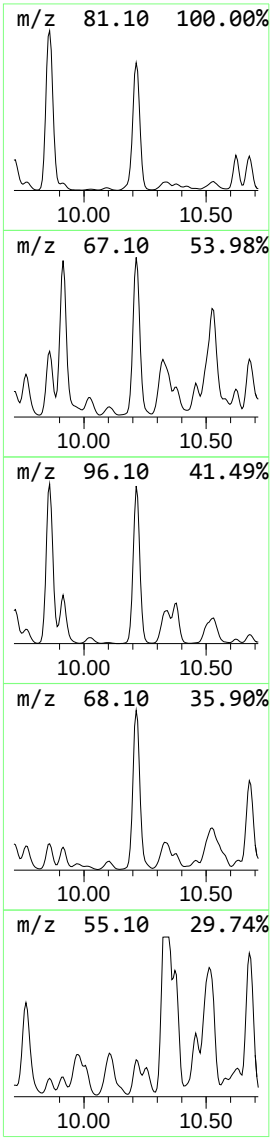
****

Peak Number 20 Cyclohexene, 1-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.213	42.27 ug/L	60837100	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	94
2	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	91
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	90
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	87
5	Cyclohexane, methylene-	96	C7H12	001192-37-6	83





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Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

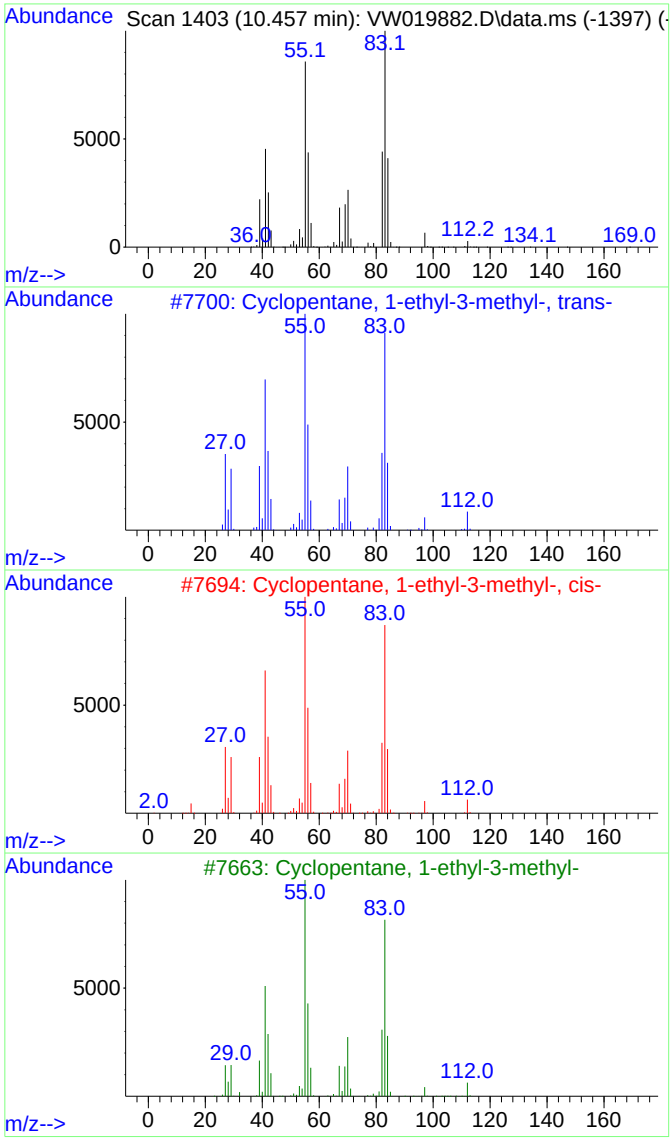
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

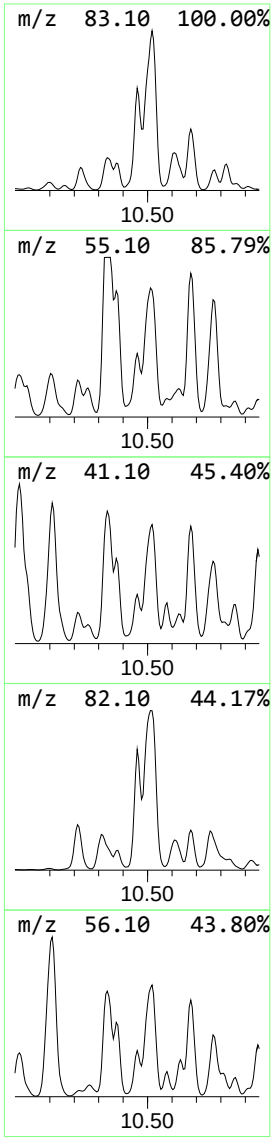
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Cyclic10.457 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.457	30.14 ug/L	30719800	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	83
2	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	83
3	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	83
4	3-Ethylcyclopentanone	112	C7H12O	010264-55-8	47
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

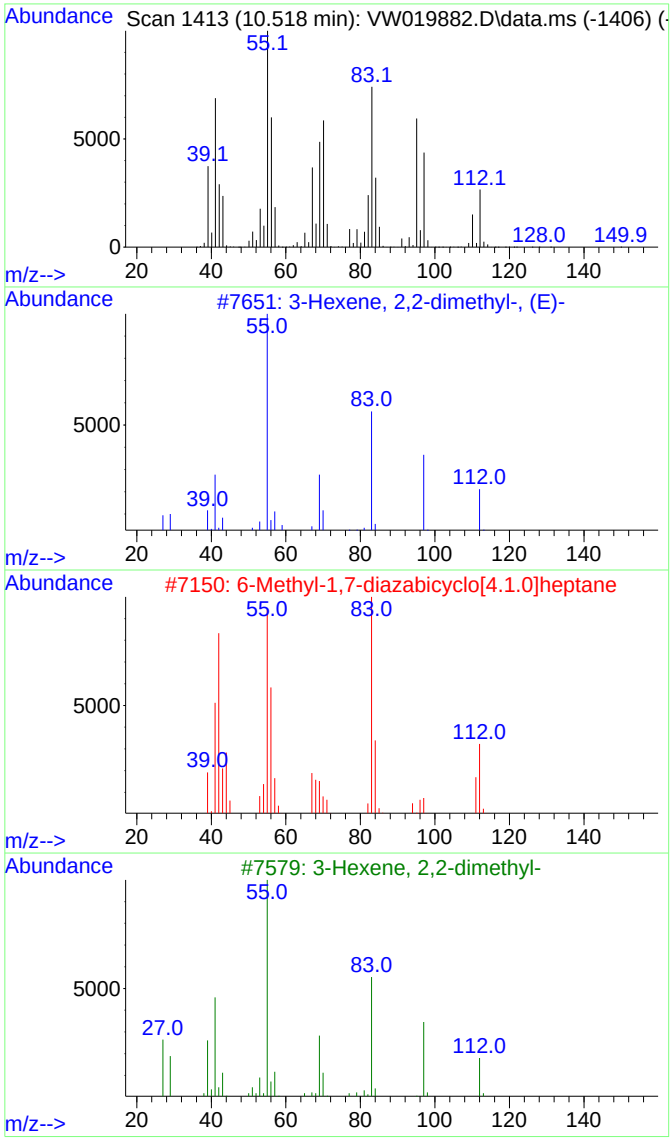
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

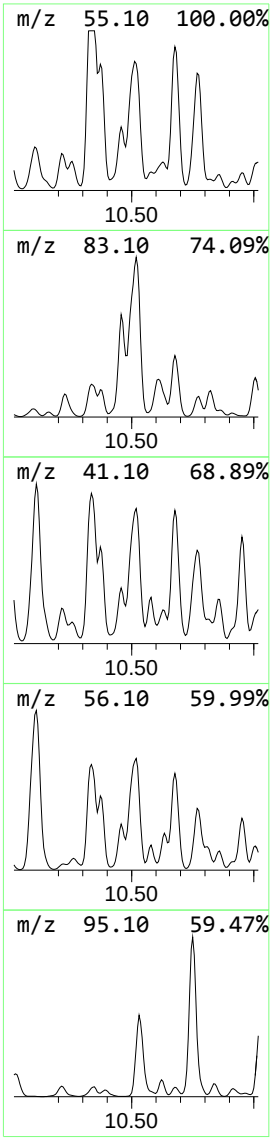
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.518	136.40 ug/L	139035000	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, 2,2-dimethyl-, (E)-	112	C8H16	000690-93-7	43
2	6-Methyl-1,7-diazabicyclo[4.1.0]...	112	C6H12N2	108602-71-7	43
3	3-Hexene, 2,2-dimethyl-	112	C8H16	003123-93-1	43
4	3-Octene, (E)-	112	C8H16	014919-01-8	42
5	3-Octene, (Z)-	112	C8H16	014850-22-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

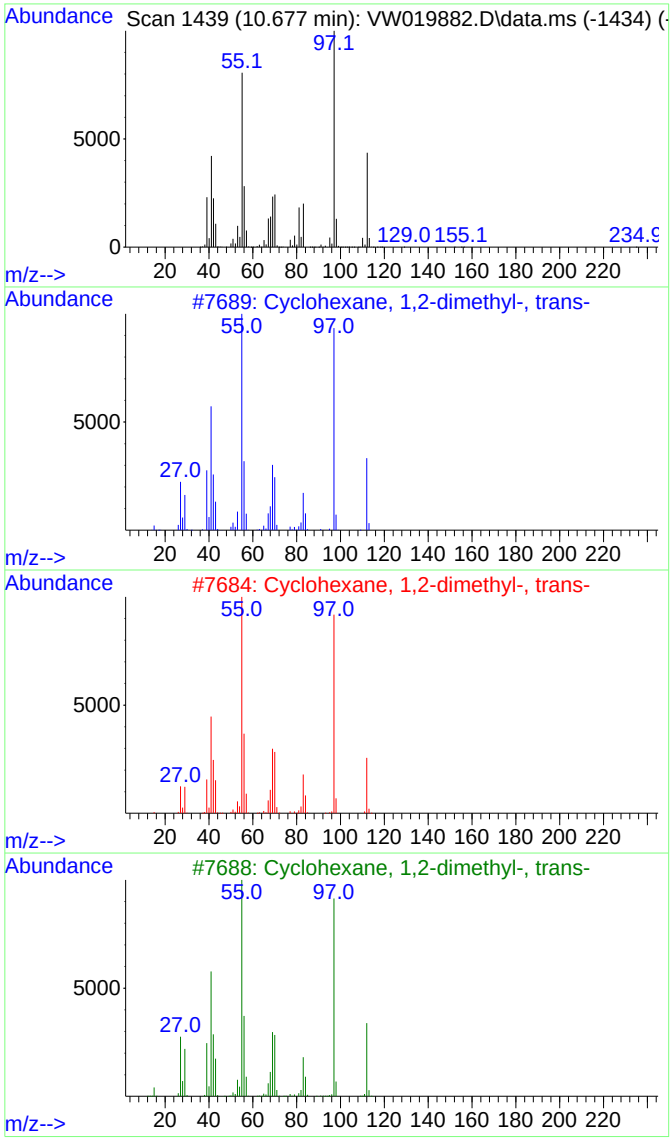
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

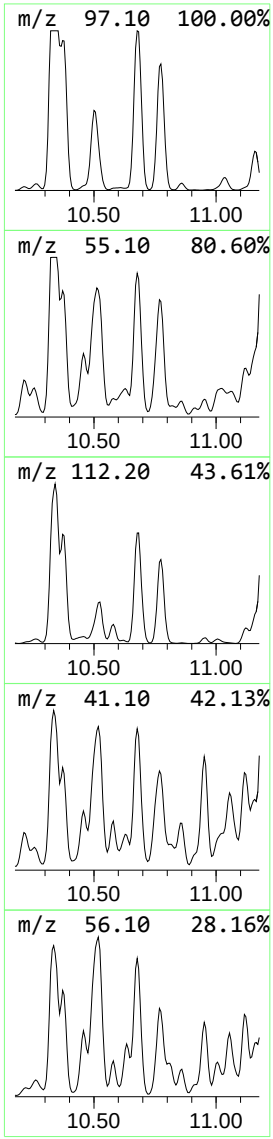
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Cyclic10.677 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.677	97.71 ug/L	99598400	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

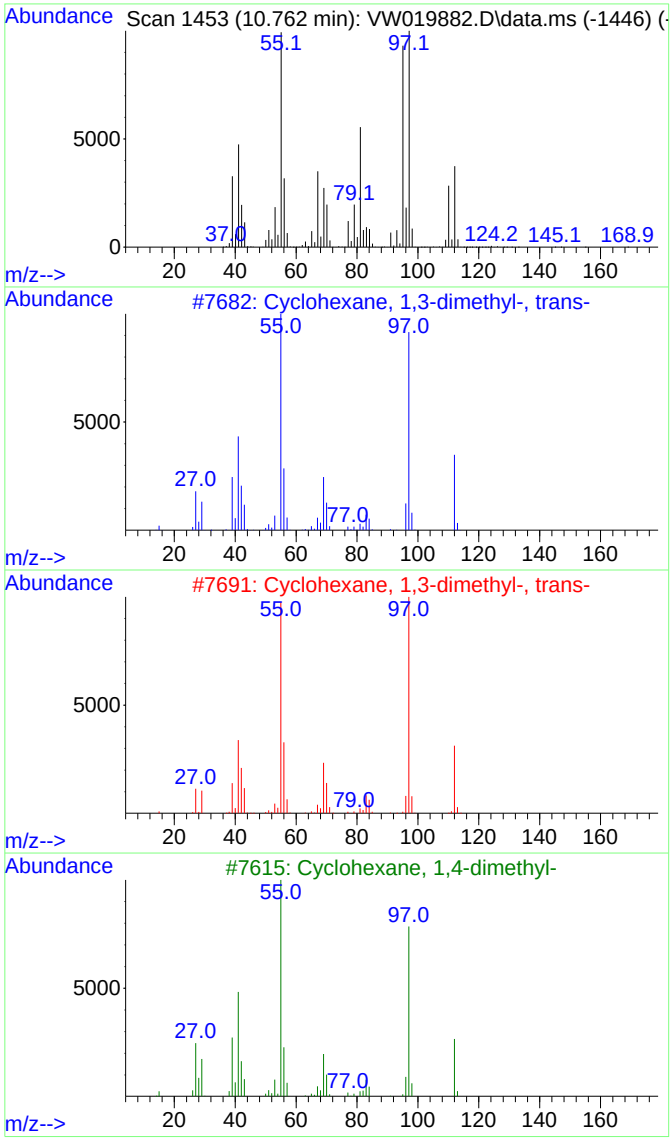
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

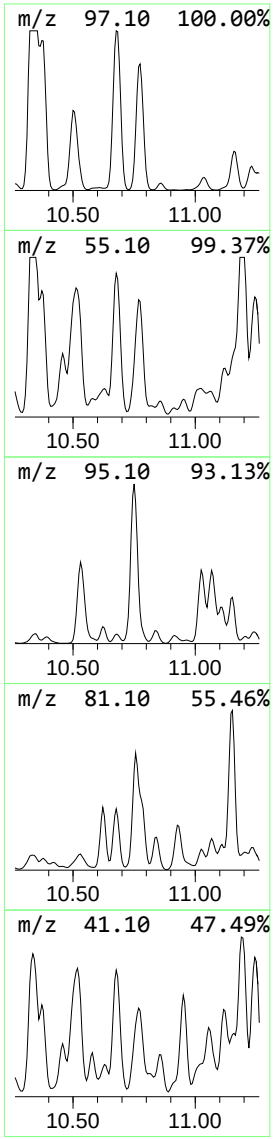
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Cyclic10.762 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.762	121.53 ug/L	123876000	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	55
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	50
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

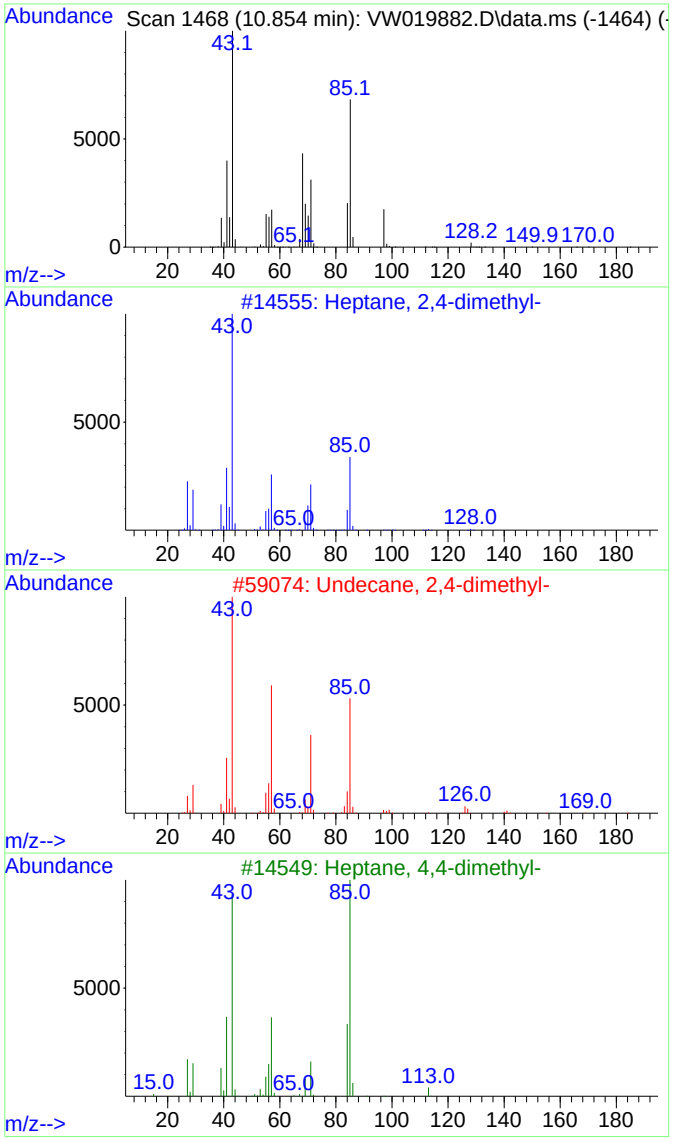
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

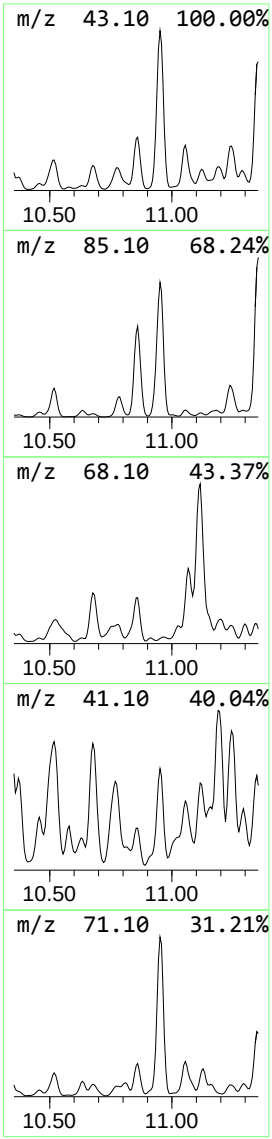
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.854	27.41 ug/L	27938400	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	58
2	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	43
3	Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	43
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	38
5	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

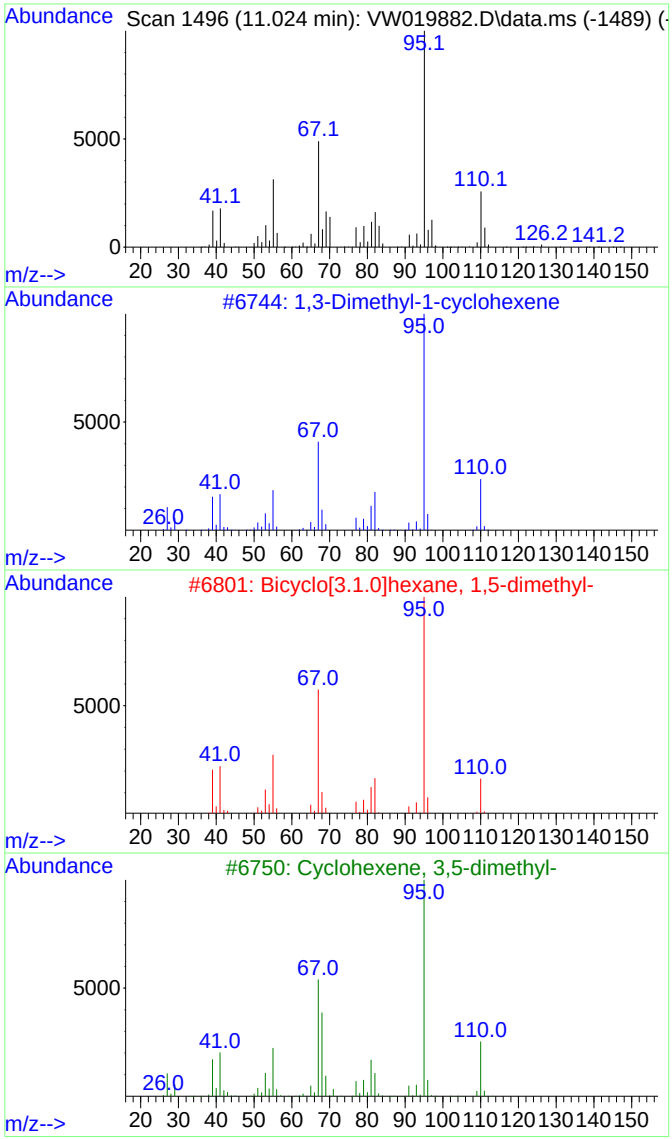
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

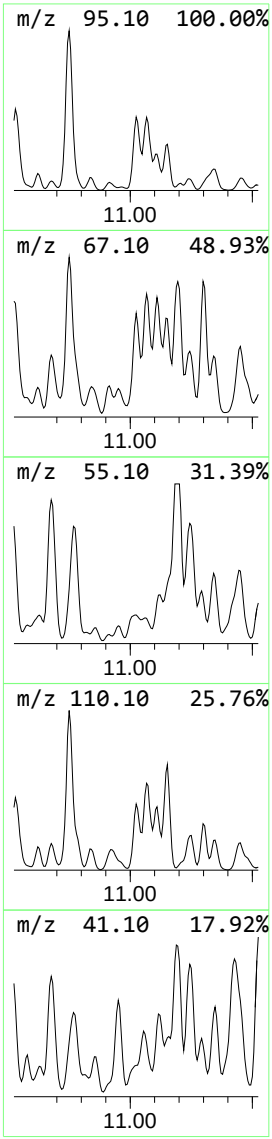
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 1,3-Dimethyl-1-cyclohexene Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.024	31.37 ug/L	31975900	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	93
2	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1010142-17-5	93
3	Cyclohexene, 3,5-dimethyl-	110	C8H14	000823-17-6	81
4	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	81
5	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

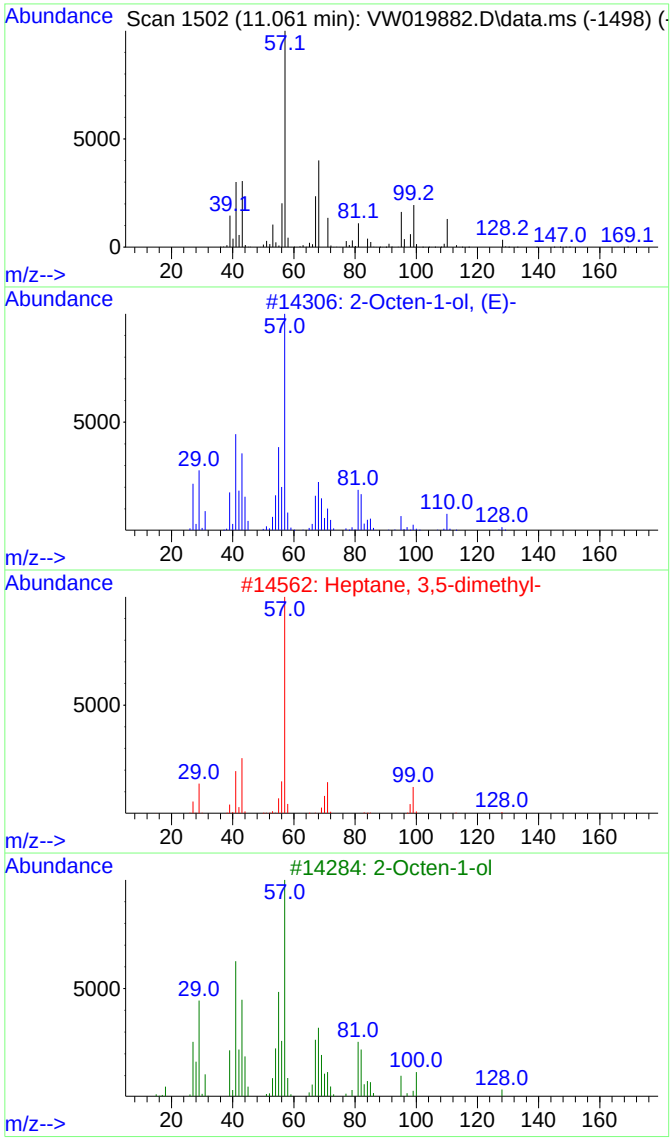
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

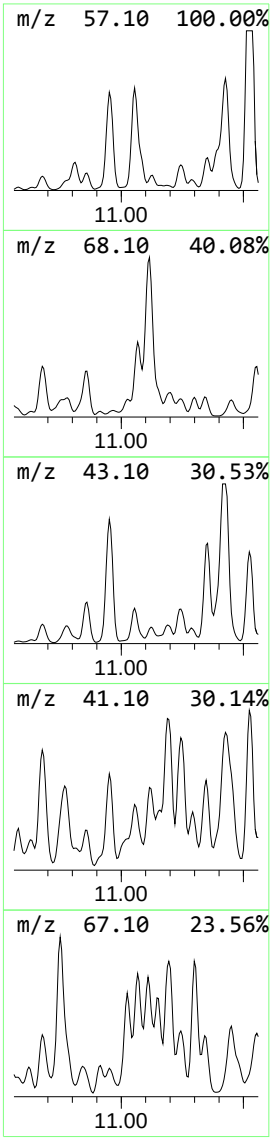
****

Peak Number 27 unknown-01 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.061	51.55 ug/L	52547400	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octen-1-ol, (E)-	128	C8H16O	018409-17-1	40
2	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	38
3	2-Octen-1-ol	128	C8H16O	022104-78-5	38
4	3-t-Butyl-oct-6-en-1-ol	184	C12H24O	1010185-34-1	37
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

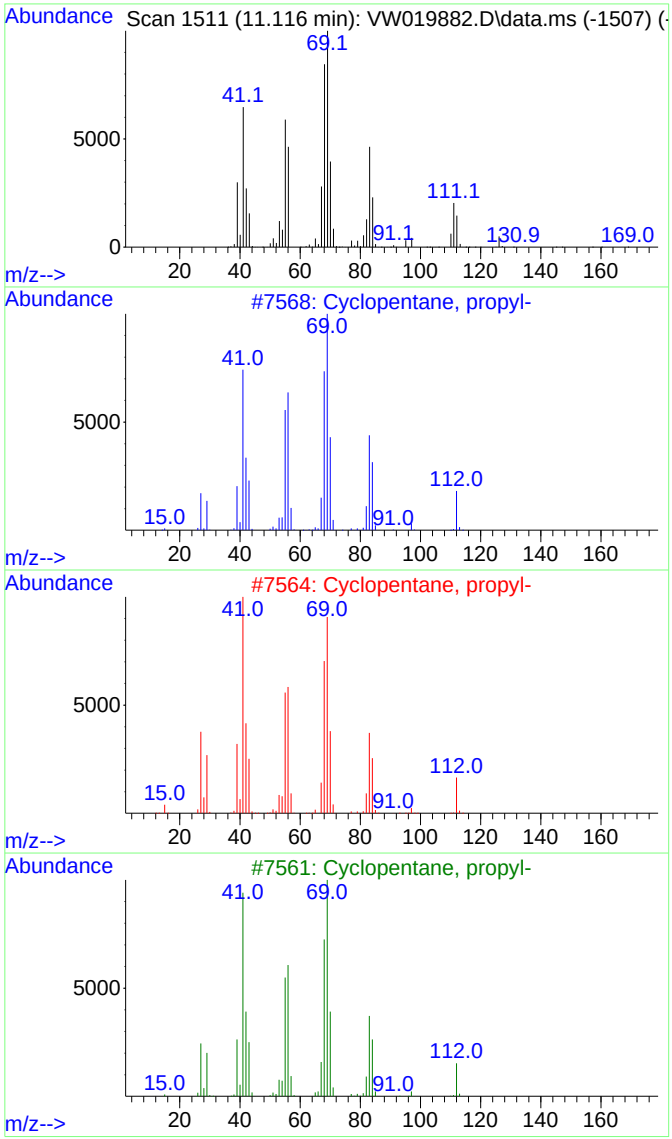
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

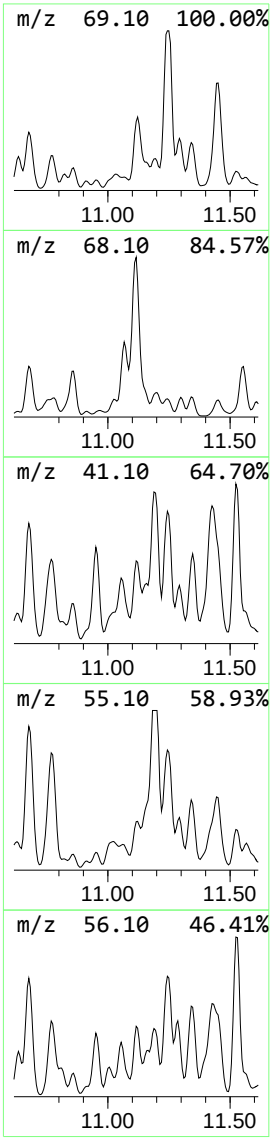
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Cyclic11.116 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.116	51.95 ug/L	52951900	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, propyl-	112	C8H16	002040-96-2	94
2	Cyclopentane, propyl-	112	C8H16	002040-96-2	94
3	Cyclopentane, propyl-	112	C8H16	002040-96-2	93
4	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	89
5	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

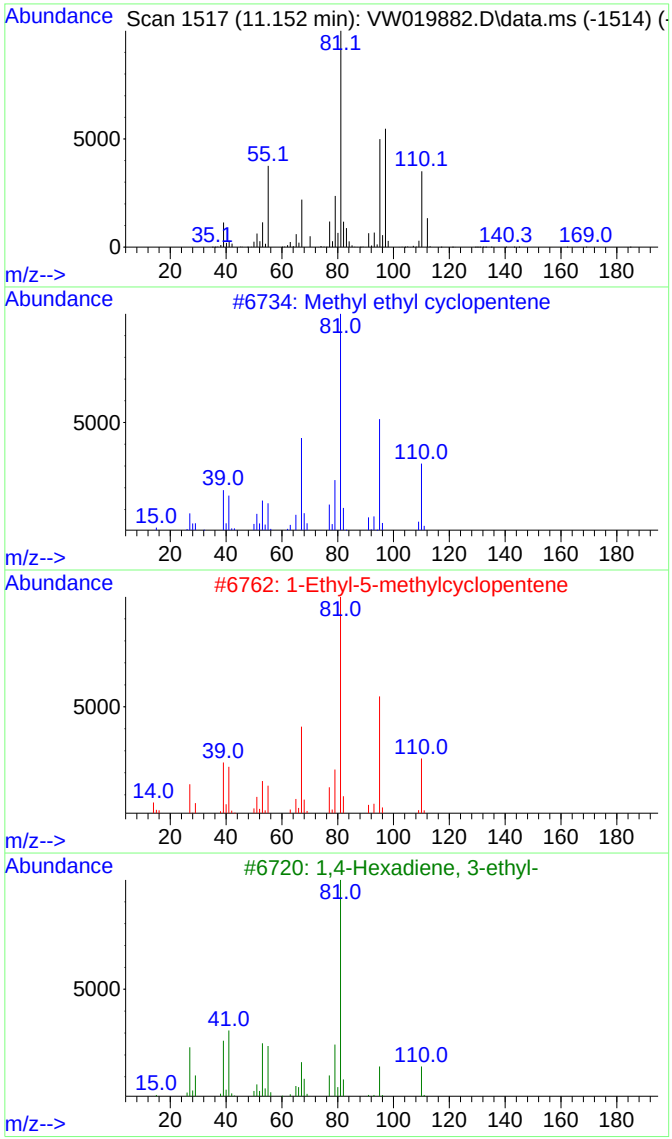
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

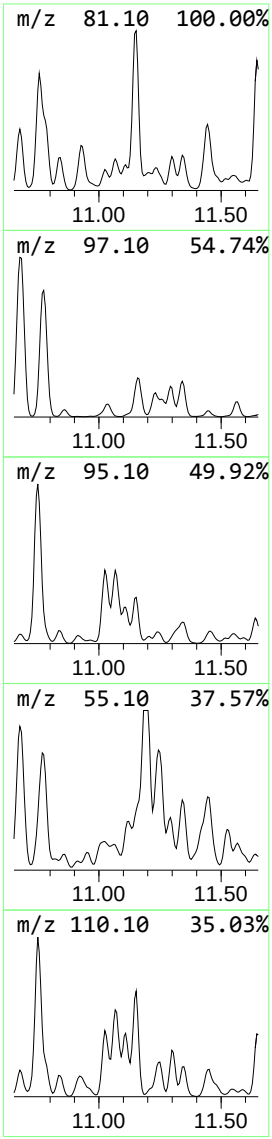
****

Peak Number 29 Methyl ethyl cyclopentene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.152	51.27 ug/L	52266700	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl ethyl cyclopentene	110	C8H14	019780-56-4	70
2	1-Ethyl-5-methylcyclopentene	110	C8H14	097797-57-4	62
3	1,4-Hexadiene, 3-ethyl-	110	C8H14	002080-89-9	50
4	3-Heptyne, 5-methyl-	110	C8H14	061228-09-9	47
5	1,4-Hexadiene, 4-methyl-	96	C7H12	001116-90-1	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

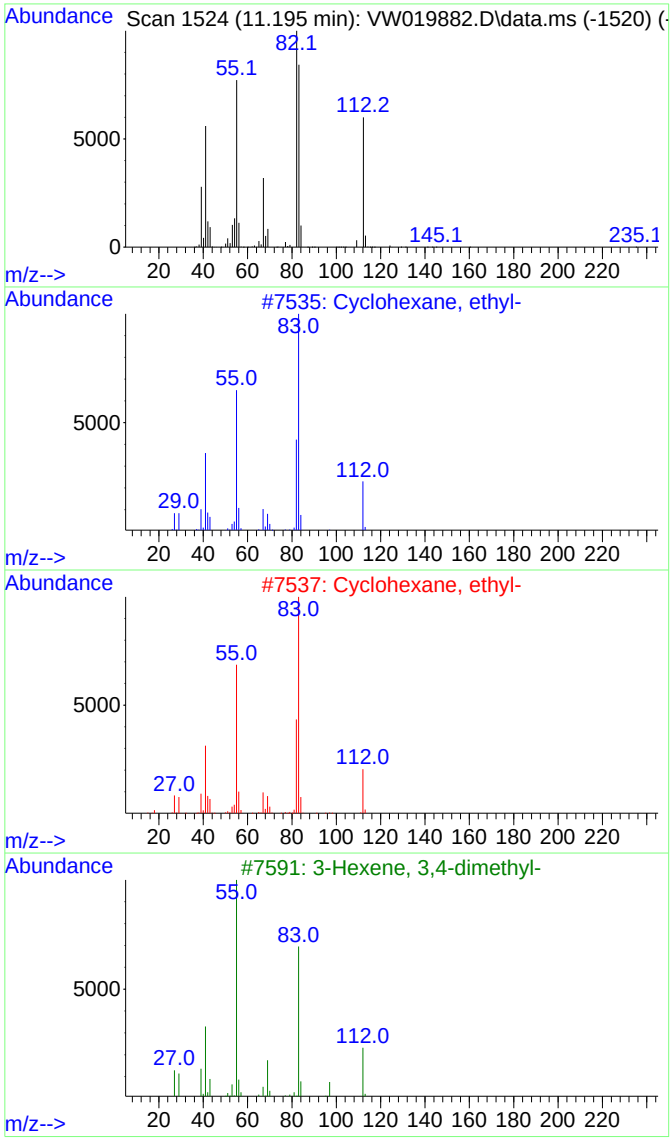
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

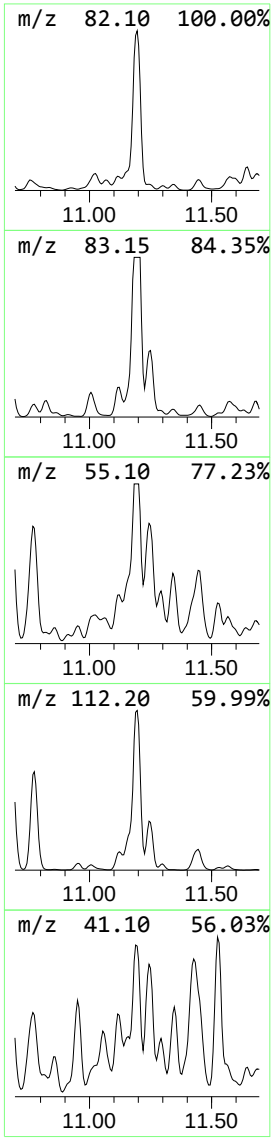
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (DEL) Alkane: Cyclic11.195 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.195	104.22 ug/L	106232000	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	53
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	47
3	3-Hexene, 3,4-dimethyl-	112	C8H16	030951-95-2	47
4	3-Hexene, 2,3-dimethyl-	112	C8H16	007145-23-5	47
5	3,4-Dimethyl-2-hexene	112	C8H16	002213-37-8	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

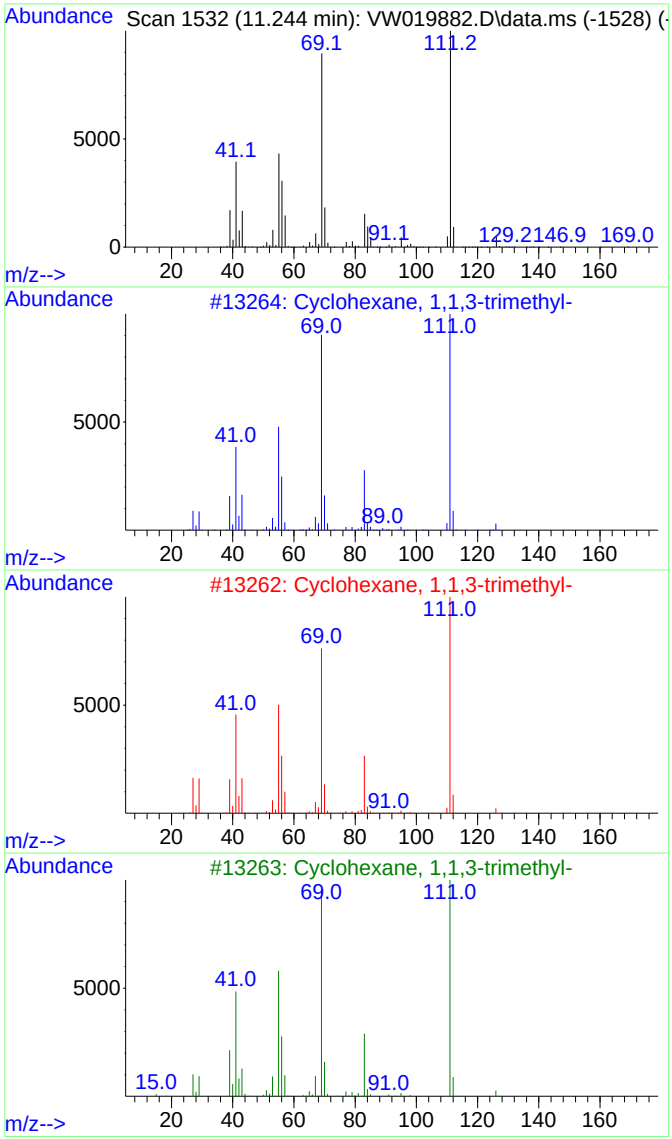
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

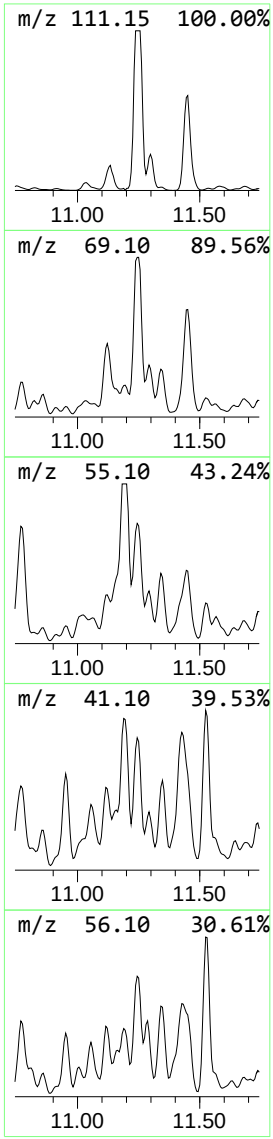
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Cyclic11.244 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.244	103.41 ug/L	105406000	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	80
4	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	72
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

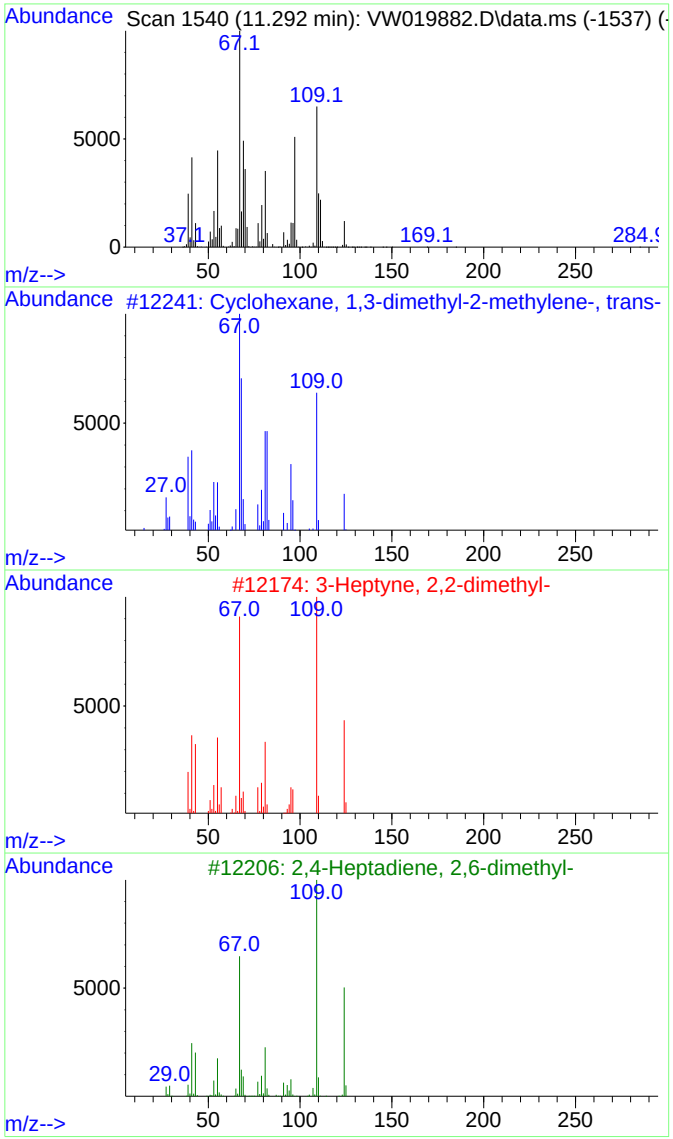
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

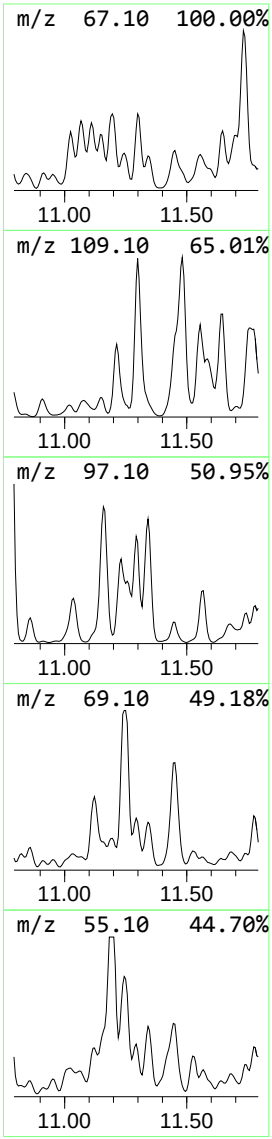
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Cyclohexane, 1,3-dimethyl-2... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.293	31.15 ug/L	31753300	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	020348-74-7	60
2	3-Heptyne, 2,2-dimethyl-	124	C9H16	029022-29-5	53
3	2,4-Heptadiene, 2,6-dimethyl-	124	C9H16	004634-87-1	46
4	1-Cyclooctene, 3-bromo-	188	C8H13Br	1000163-39-0	38
5	2-Butynamide, N,N-dimethyl-	111	C6H9NO	053099-32-4	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

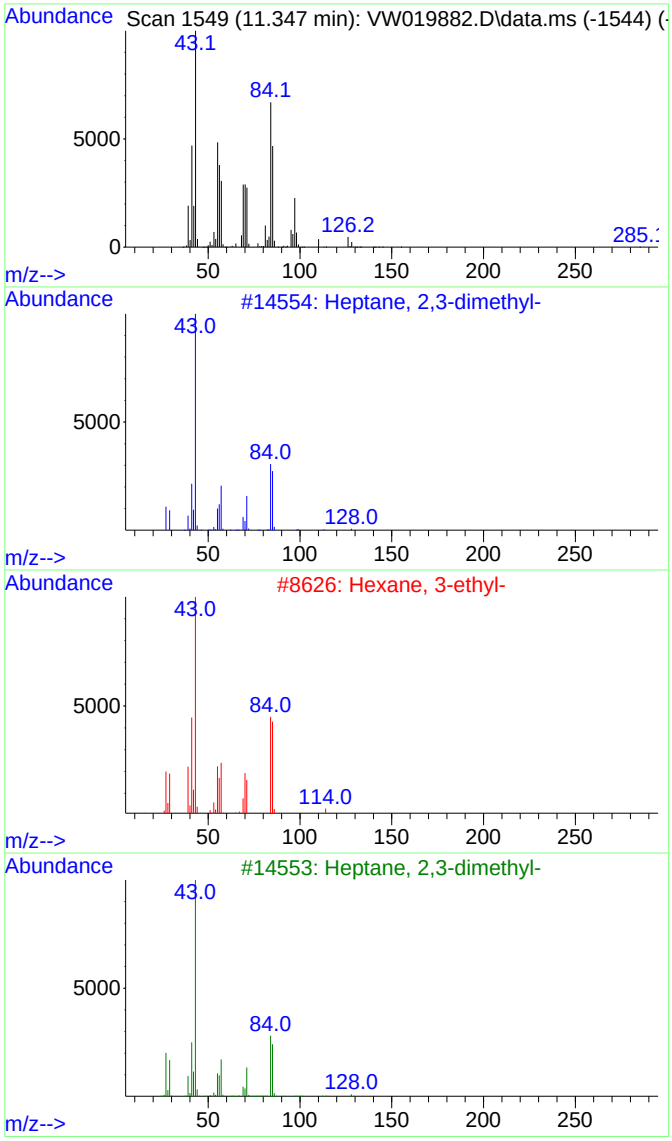
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

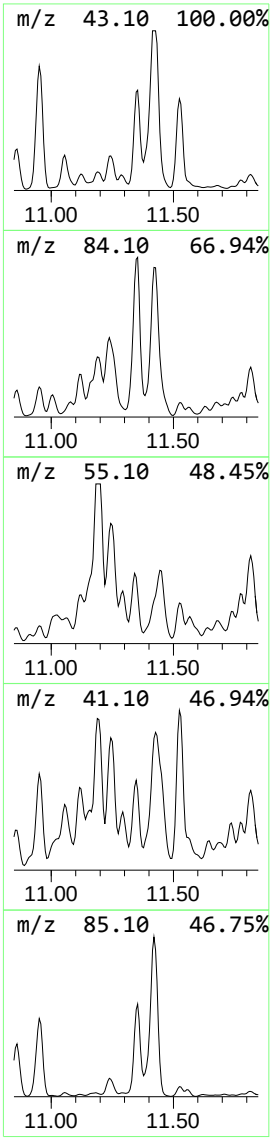
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.347	56.45 ug/L	57544900	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	59
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	59
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	53
4	Piperidine	85	C5H11N	000110-89-4	52
5	Piperidine	85	C5H11N	000110-89-4	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

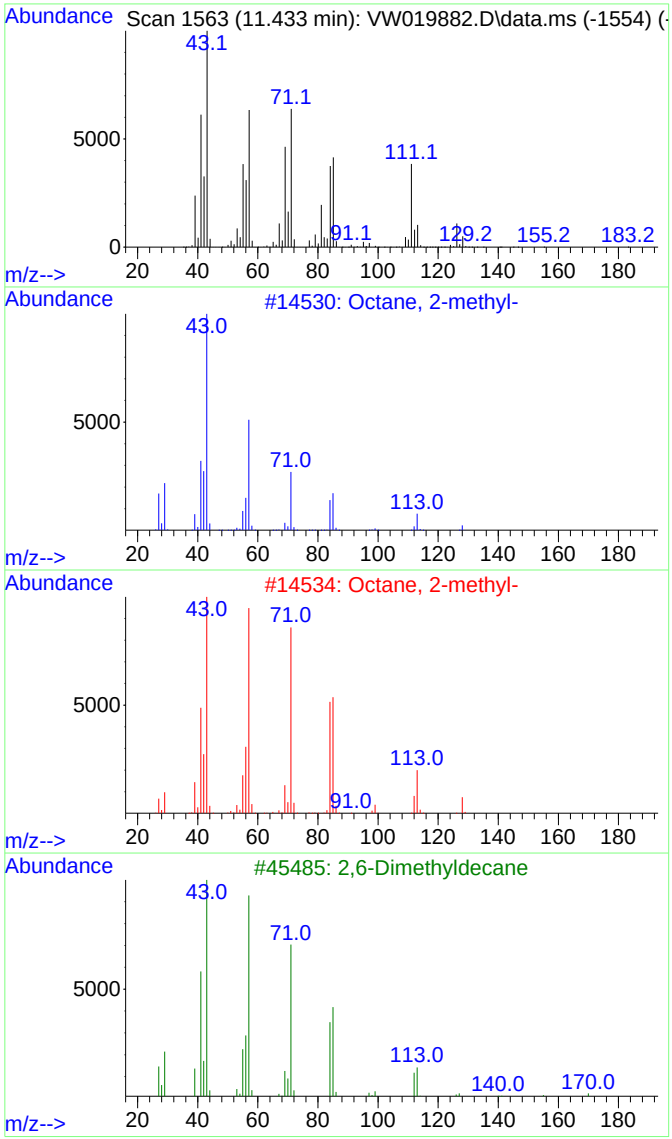
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

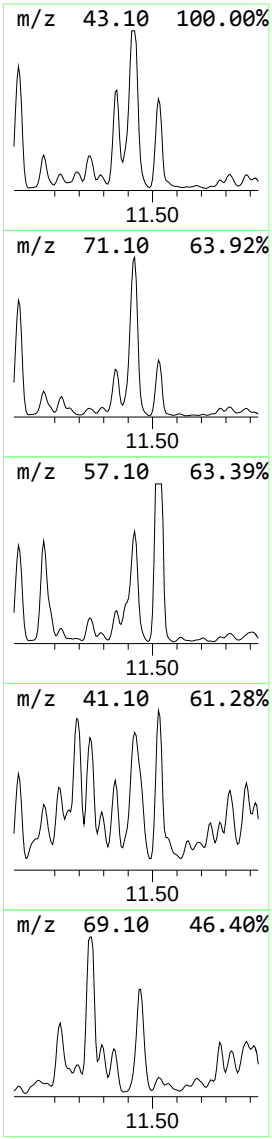
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.433	159.02 ug/L	162096000	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	62
2	Octane, 2-methyl-	128	C9H20	003221-61-2	55
3	2,6-Dimethyldecane	170	C12H26	013150-81-7	53
4	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	38
5	Octane	114	C8H18	000111-65-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

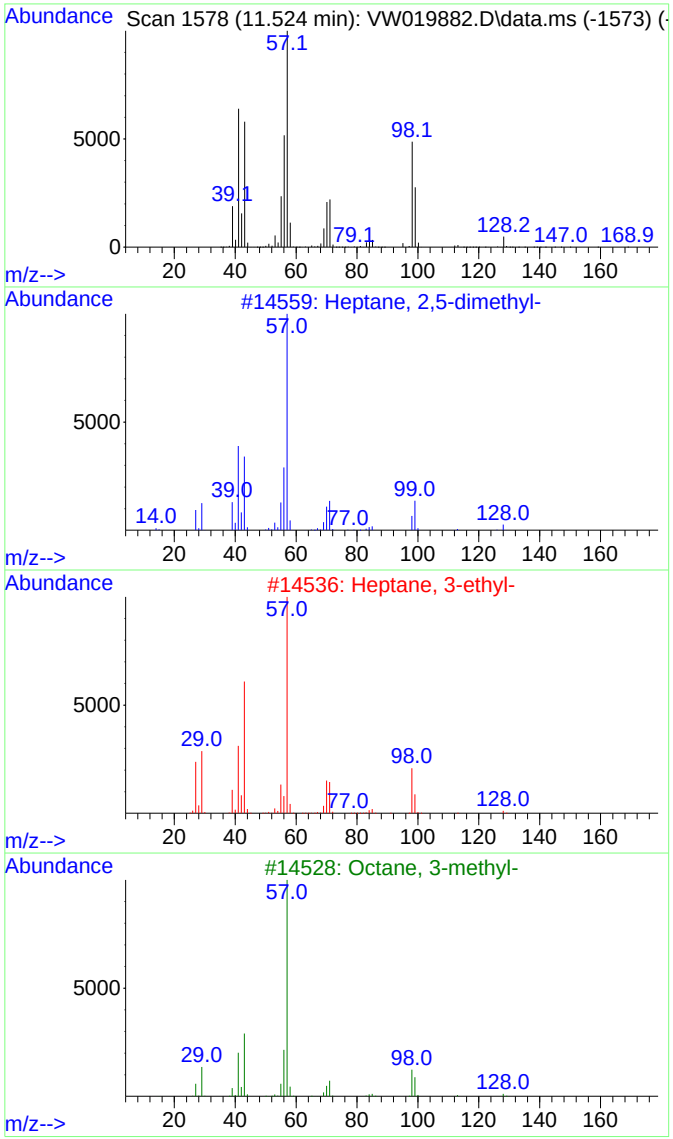
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

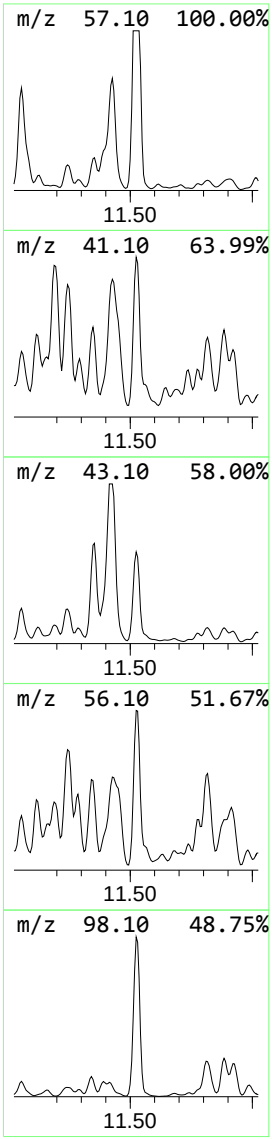
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.524	101.68 ug/L	103650000	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	70
2	Heptane, 3-ethyl-	128	C9H20	015869-80-4	68
3	Octane, 3-methyl-	128	C9H20	002216-33-3	58
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	52
5	Octane, 3-methyl-	128	C9H20	002216-33-3	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

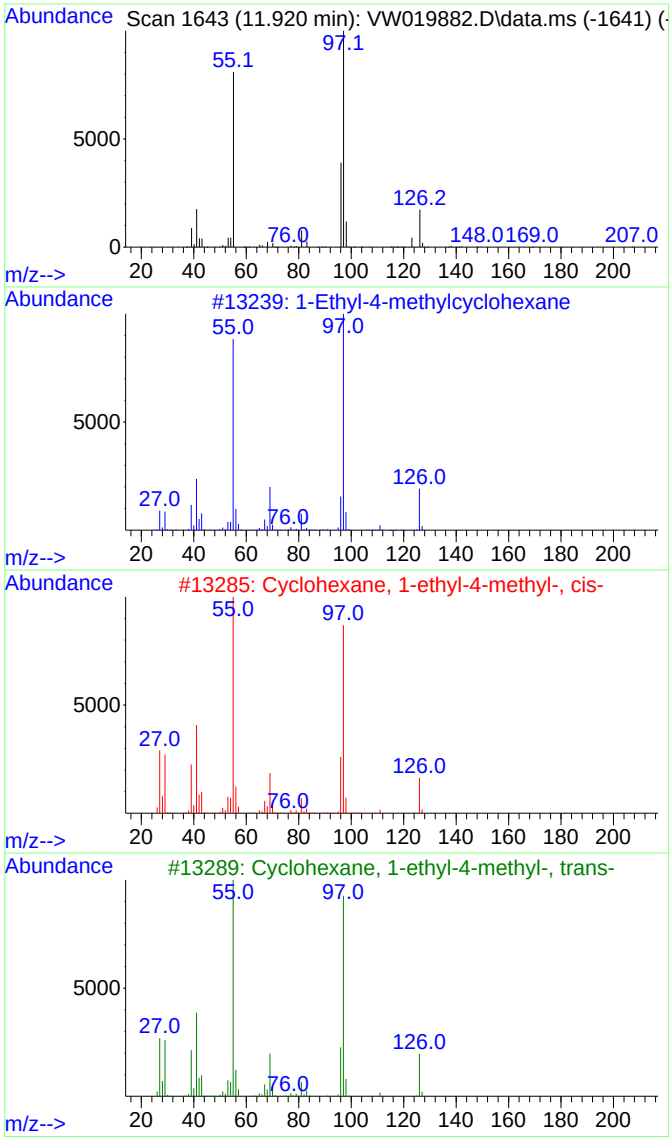
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

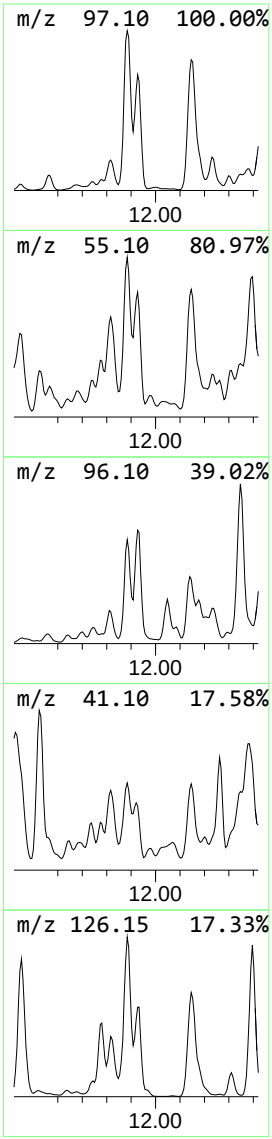
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 (DEL) Alkane: Cyclic11.920 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.920	39.93 ug/L	40703700	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64
5	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

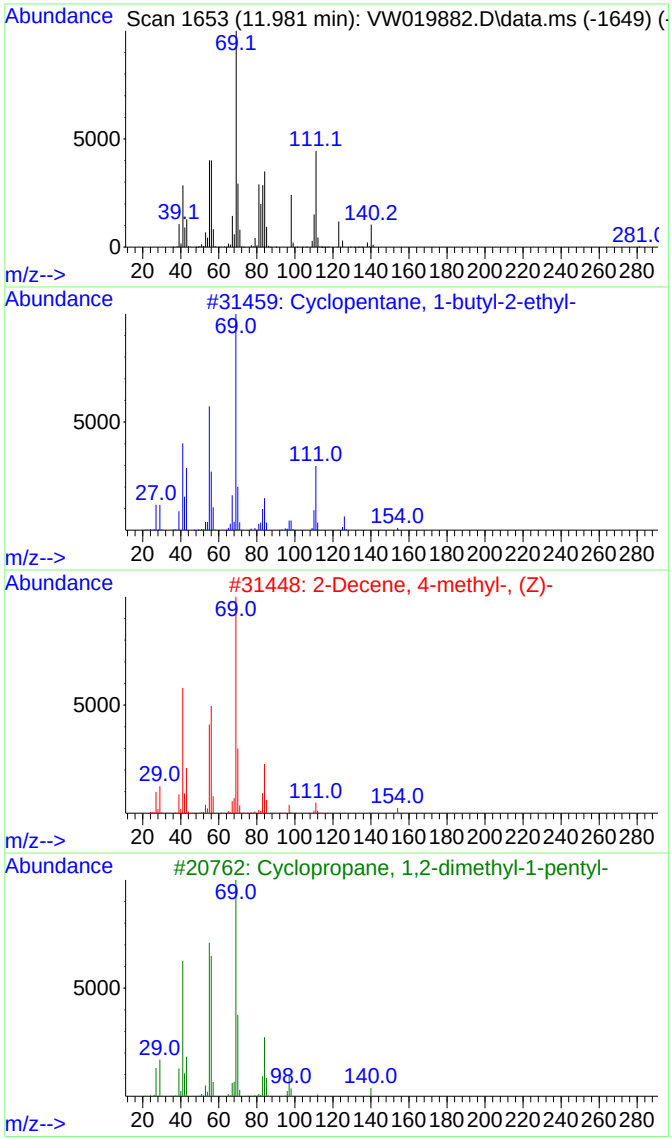
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

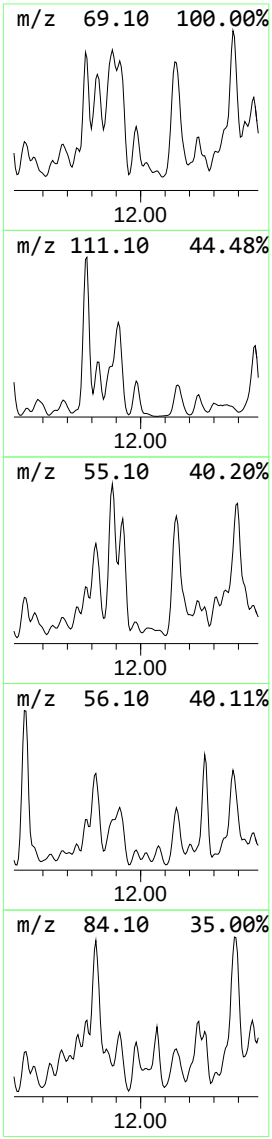
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 (DEL) Alkane: Cyclic11.981 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.981	6.80 ug/L	6926510	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	53
2	2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	50
3	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	50
4	2-Dodecene, 4-methyl-	182	C13H26	056851-45-7	47
5	Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

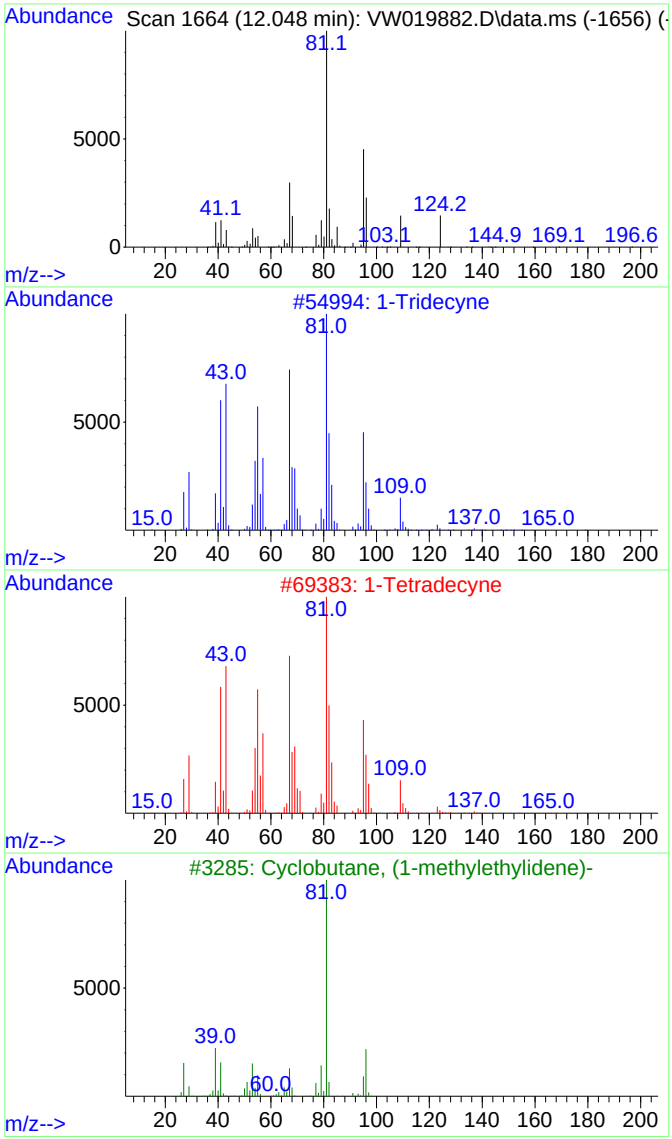
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

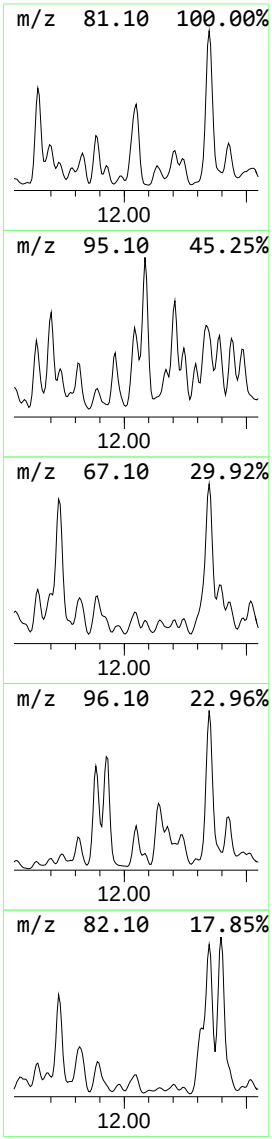
****

Peak Number 38 1-Tridecyne Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.048	25.42 ug/L	25914600	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tridecyne	180	C13H24	026186-02-7	56
2	1-Tetradecyne	194	C14H26	000765-10-6	56
3	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	47
4	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	47
5	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

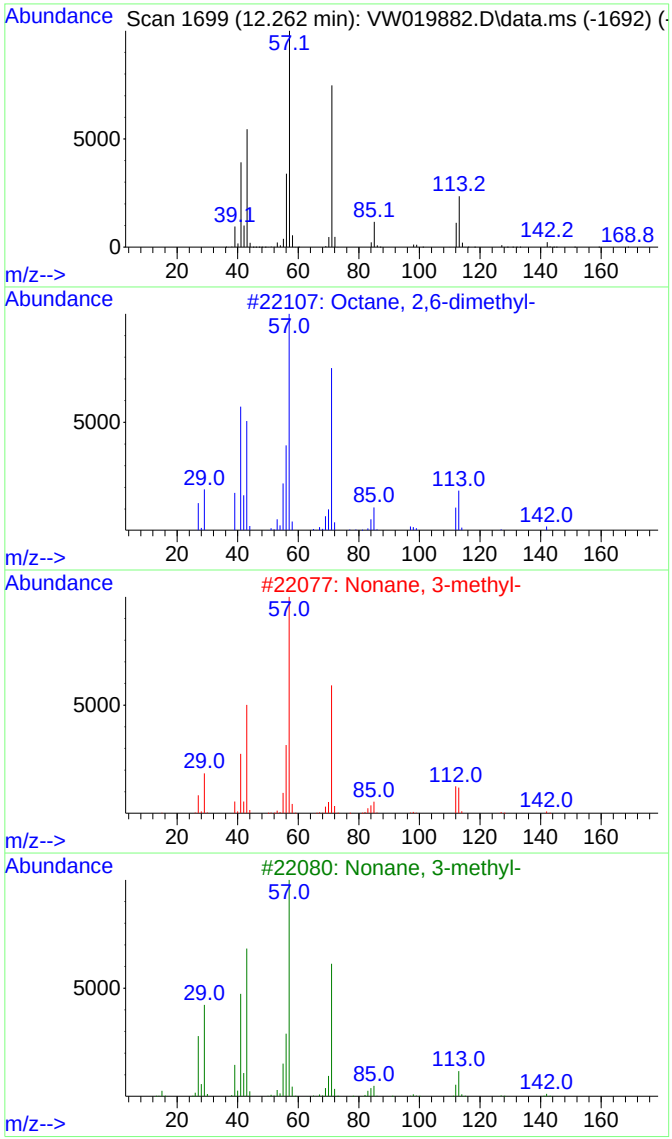
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

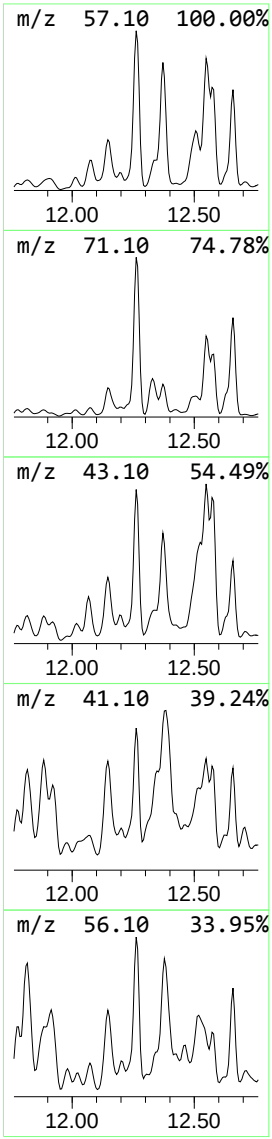
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.262	56.10 ug/L	57186700	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

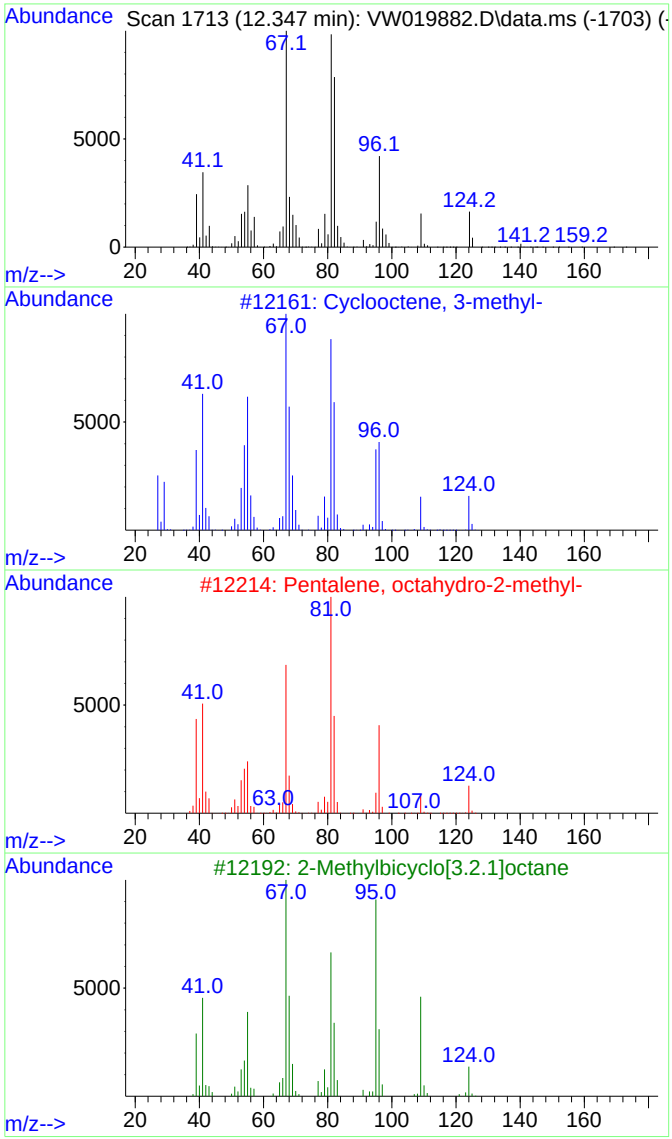
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

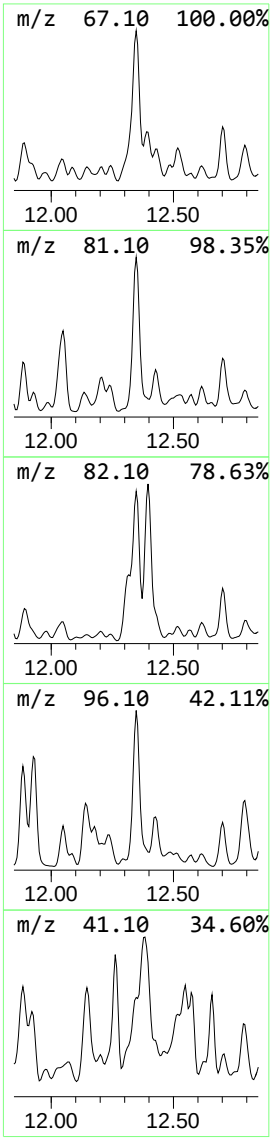
****

Peak Number 40 Cyclooctene, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.347	83.52 ug/L	85132200	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	91
2	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	83
3	2-Methylbicyclo[3.2.1]octane	124	C9H16	1010215-28-0	62
4	Cyclohexane, methylene-	96	C7H12	001192-37-6	52
5	3-Octyne, 2-methyl-	124	C9H16	055402-15-8	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

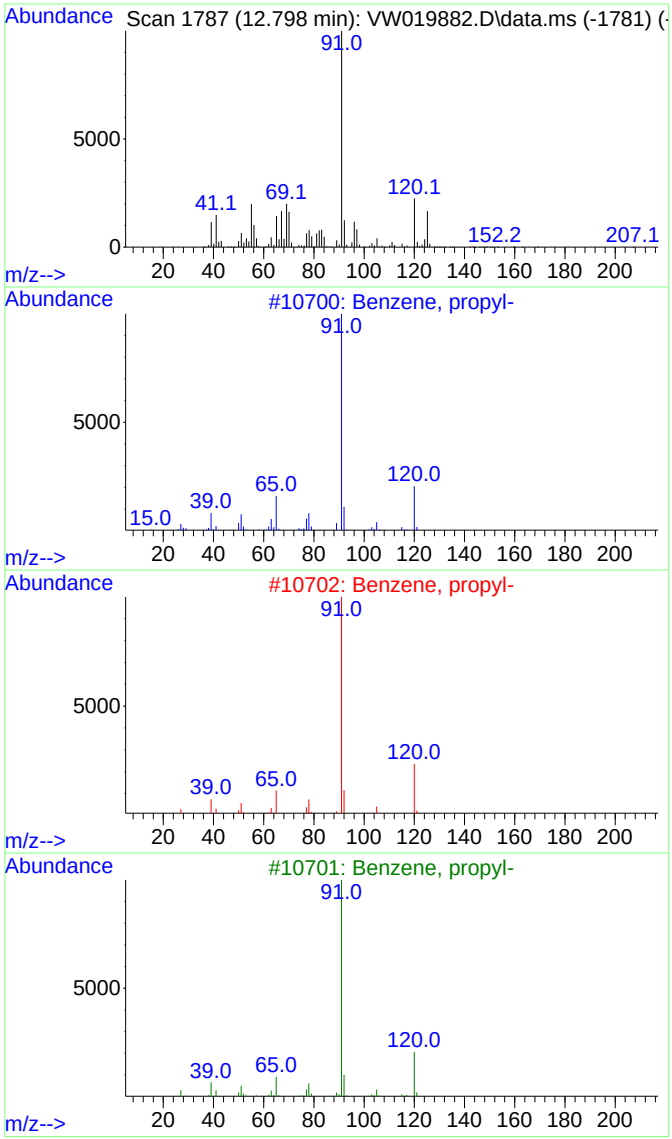
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

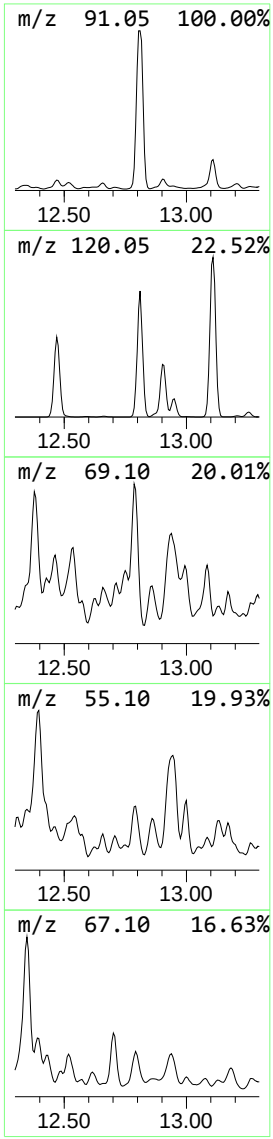
****

Peak Number 42 unknown-02 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.798	170.47 ug/L	68474100	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	46
2	Benzene, propyl-	120	C9H12	000103-65-1	46
3	Benzene, propyl-	120	C9H12	000103-65-1	46
4	Benzene, propyl-	120	C9H12	000103-65-1	41
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

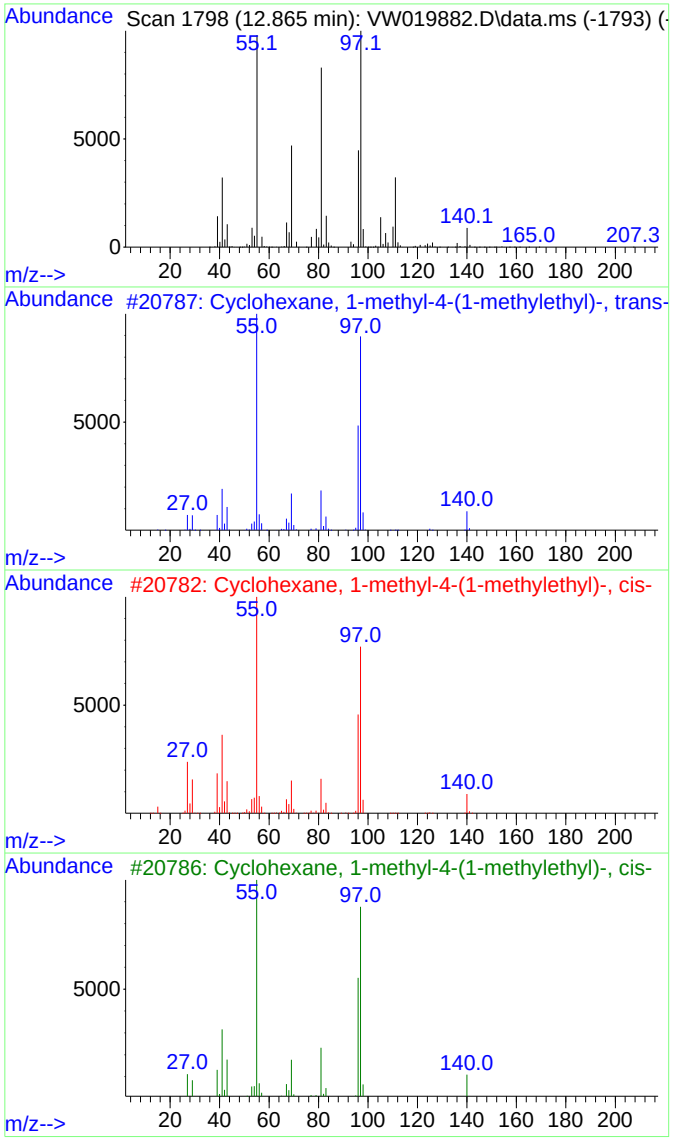
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

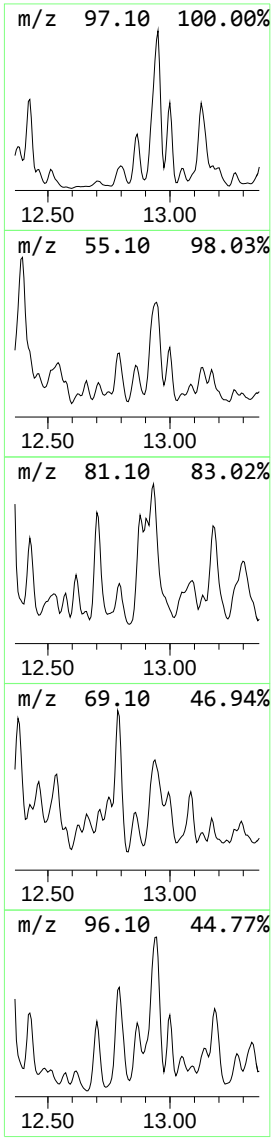
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 (DEL) Alkane: Cyclic12.865 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	34.96 ug/L	14043100	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	46
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46
4	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	43
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

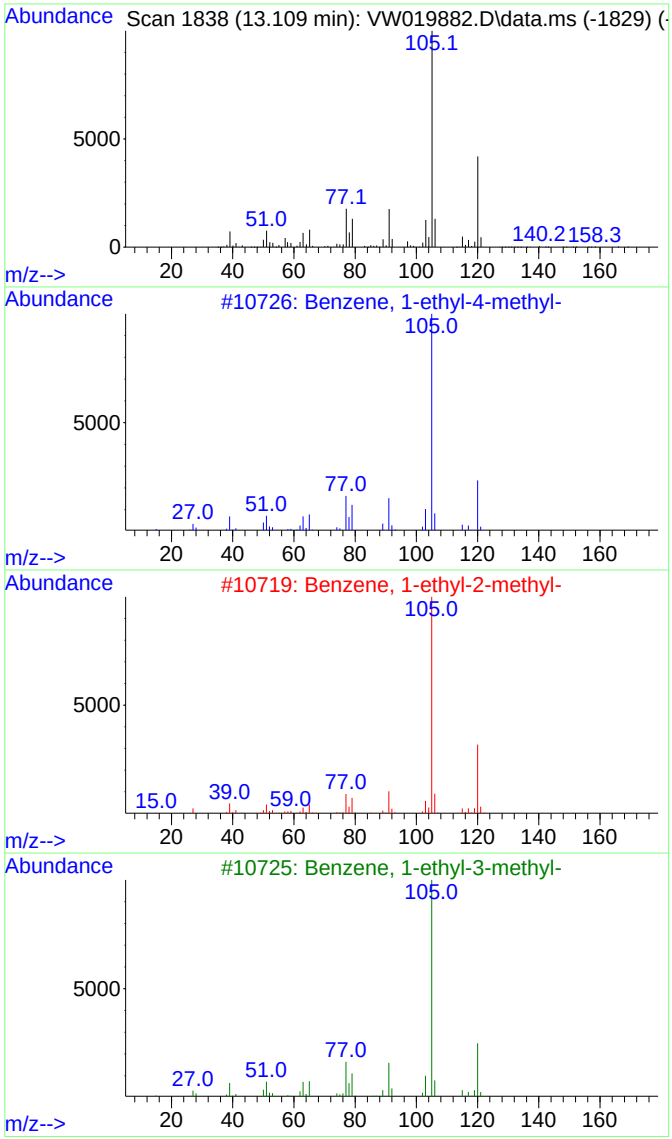
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

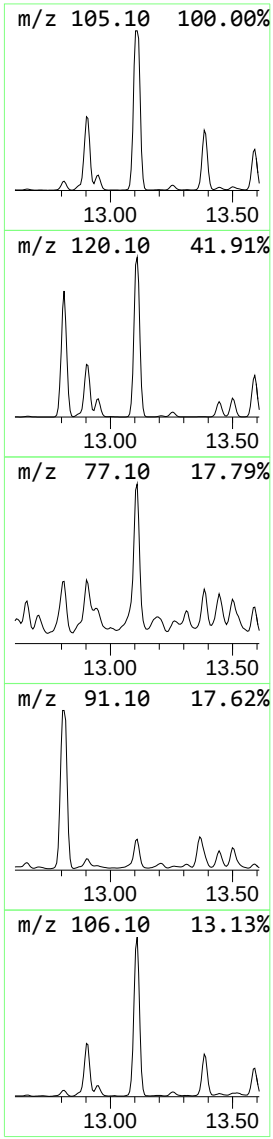
****

Peak Number 44 Benzene, 1-ethyl-4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.109	180.81 ug/L	72625900	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	91
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
5	Mesitylene	120	C9H12	000108-67-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

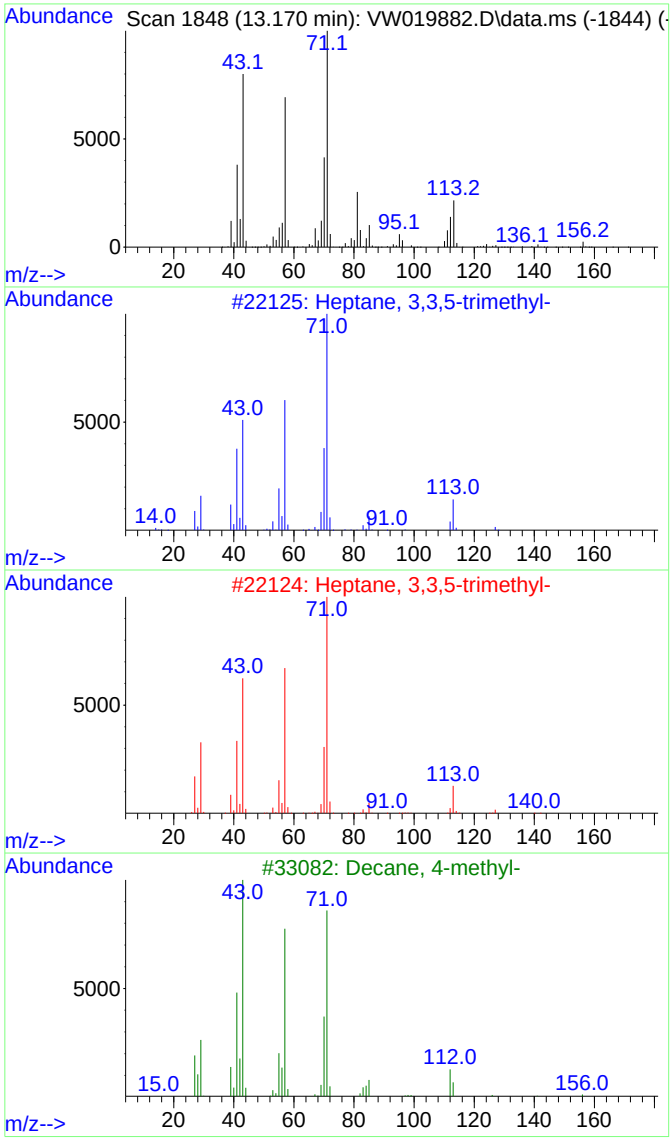
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

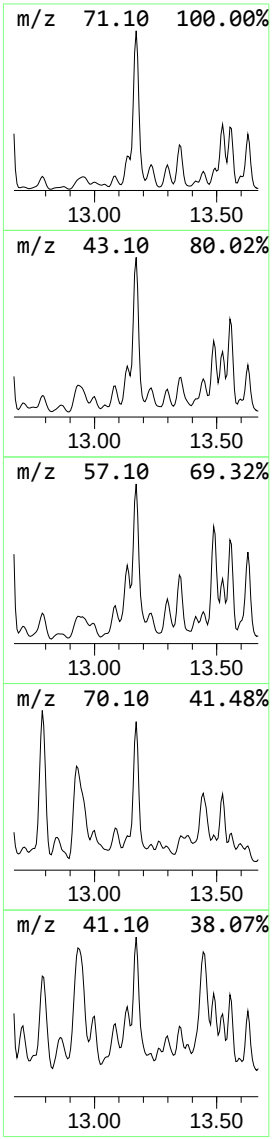
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.170	131.07 ug/L	52649400	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
3	Decane, 4-methyl-	156	C11H24	002847-72-5	64
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	59
5	4-Methyl-3-heptanol, pentafluoro...	276	C11H17F5O2	1000365-51-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

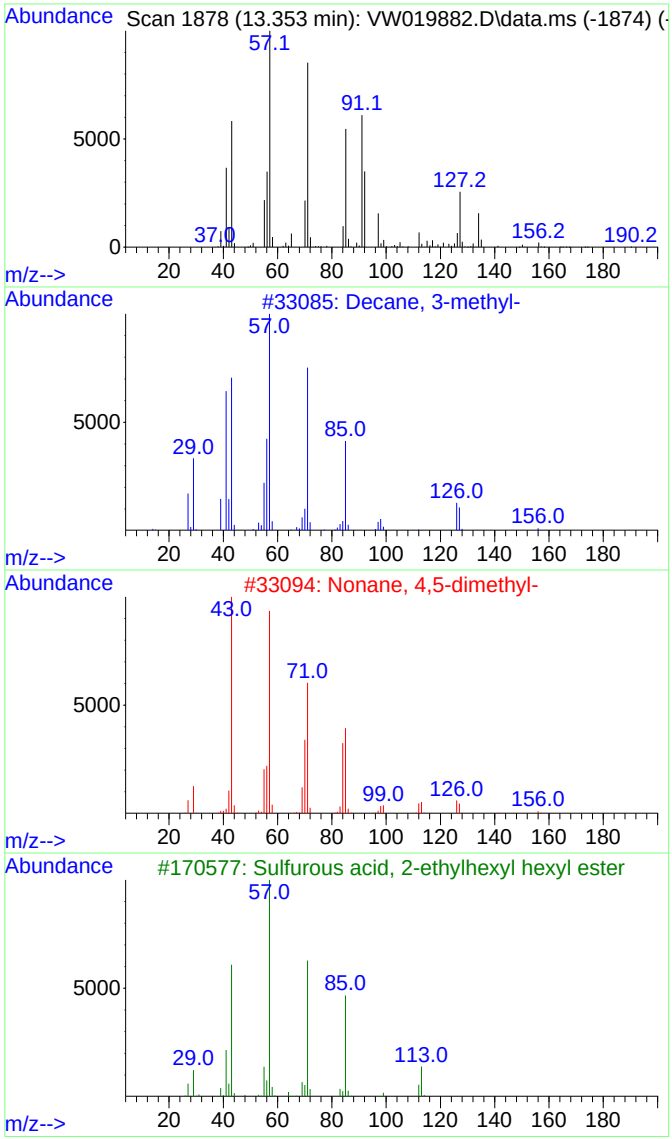
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

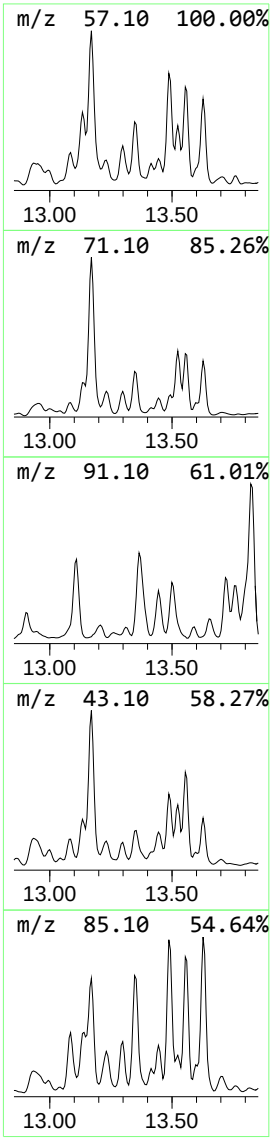
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.353	20.65 ug/L	8296550	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	58
2	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	52
3	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	47
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	47
5	1-Nonene, 4,6,8-trimethyl-	168	C12H24	054410-98-9	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

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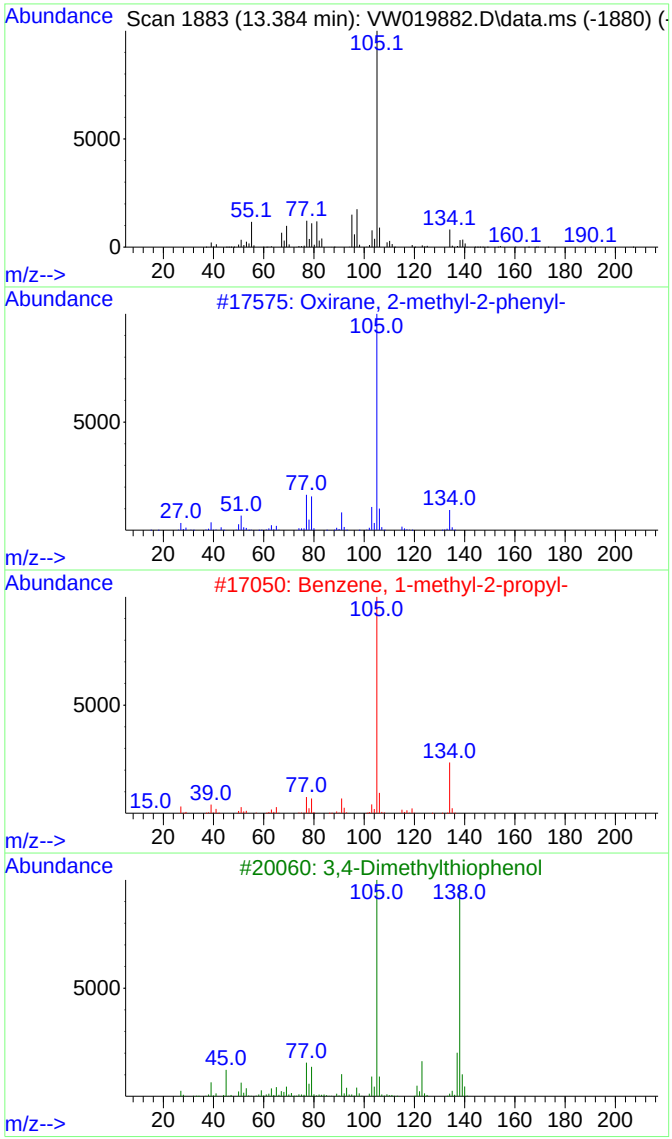
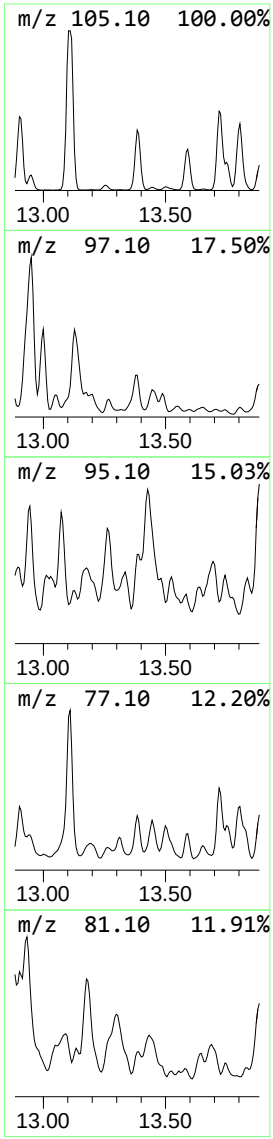
Peak Number 47 unknown-03 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.384	25.32 ug/L	10172200	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	43
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	38
3	3,4-Dimethylthiophenol	138	C8H10S	018800-53-8	38
4	3,4-Dimethylthiophenol	138	C8H10S	018800-53-8	38
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

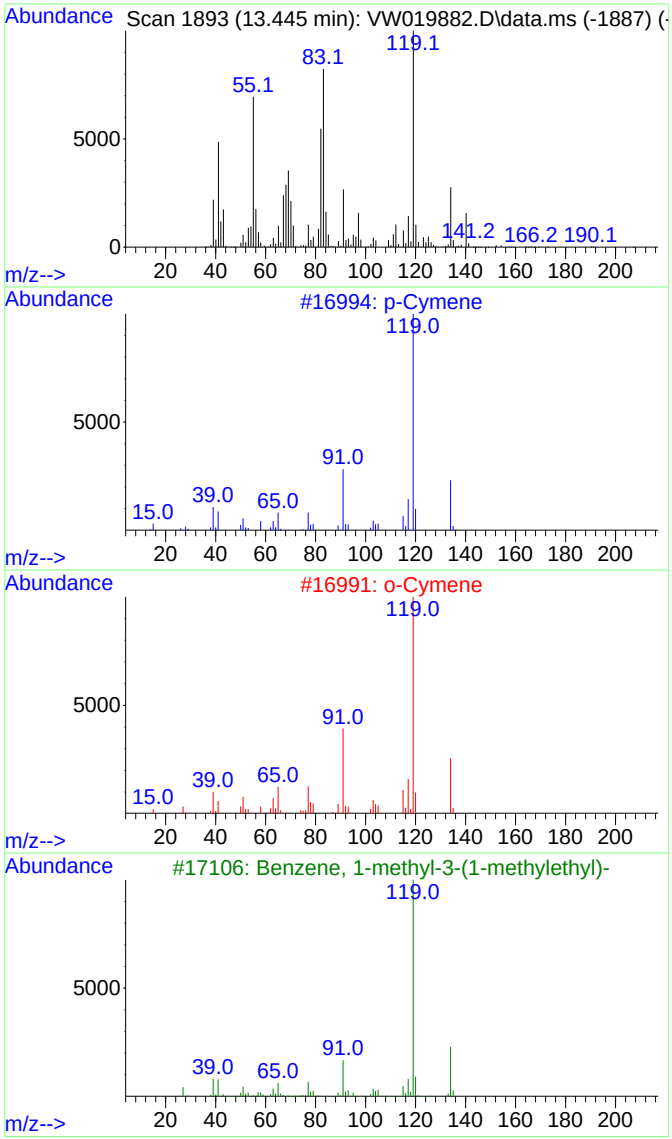
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

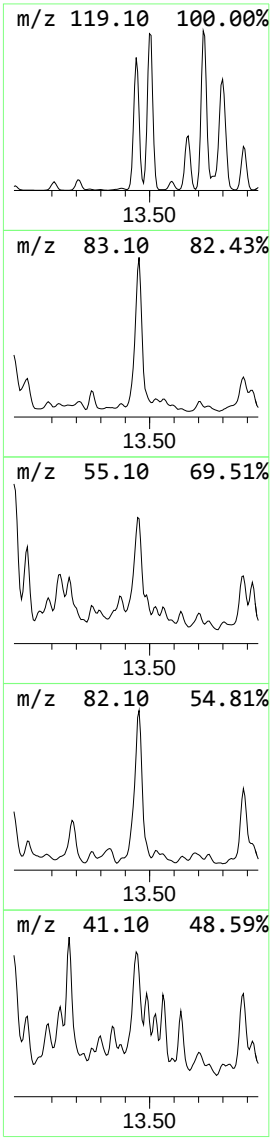
****

Peak Number 48 p-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.445	139.17 ug/L	55903300	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	86
2	o-Cymene	134	C10H14	000527-84-4	84
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	83
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	83
5	o-Cymene	134	C10H14	000527-84-4	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

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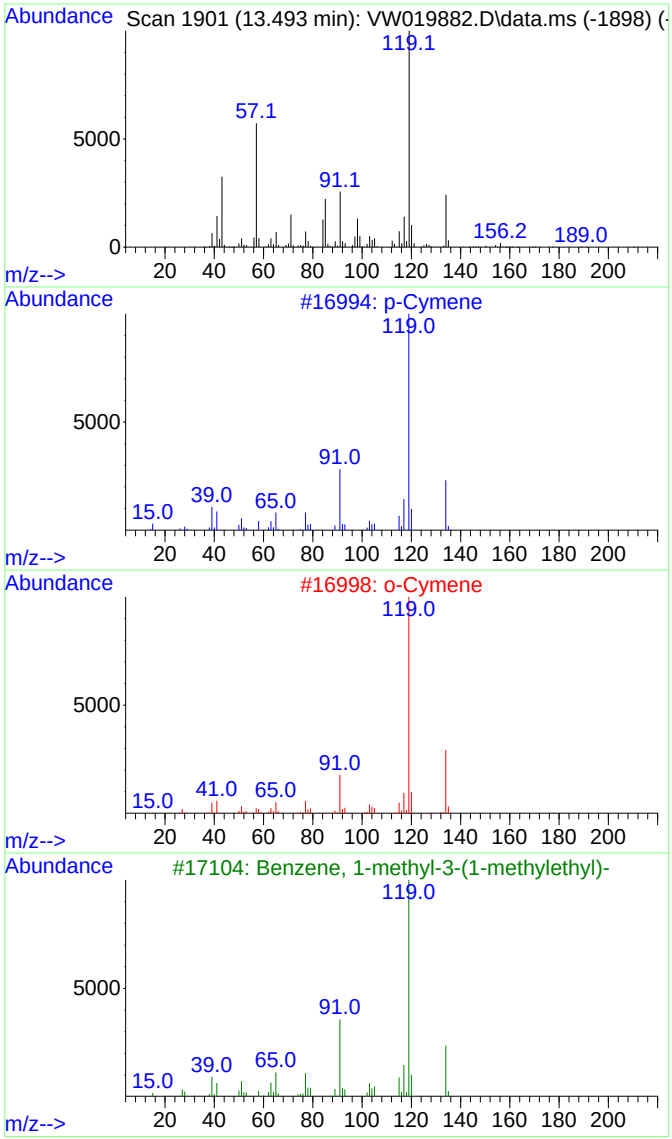
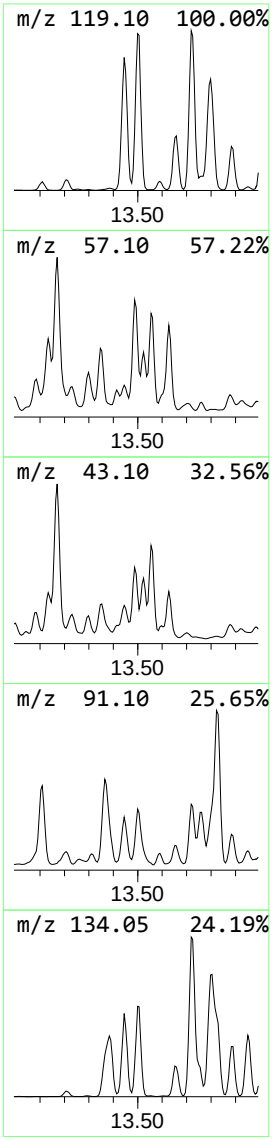
Peak Number 49 o-Cymene Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.493	34.39 ug/L	13813000	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	93
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
4	p-Cymene	134	C10H14	000099-87-6	93
5	o-Cymene	134	C10H14	000527-84-4	92





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

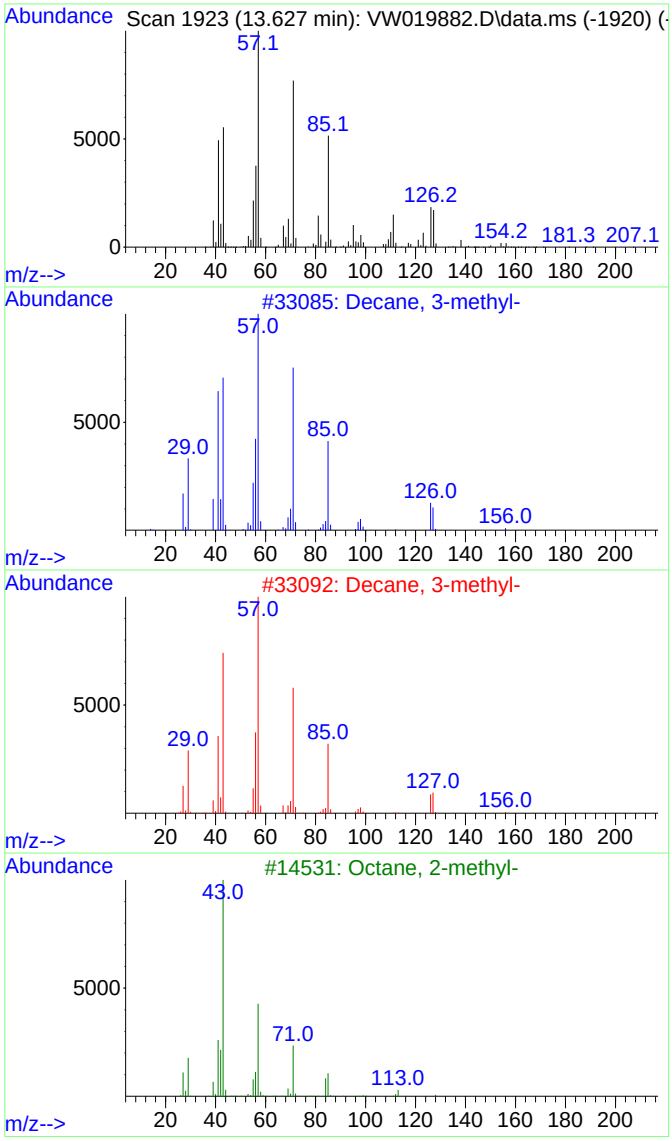
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

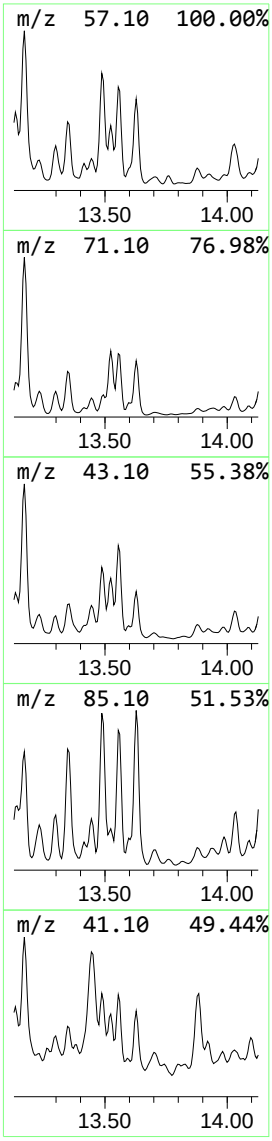
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.627	36.86 ug/L	14807800	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	87
2	Decane, 3-methyl-	156	C11H24	013151-34-3	87
3	Octane, 2-methyl-	128	C9H20	003221-61-2	59
4	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	53
5	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

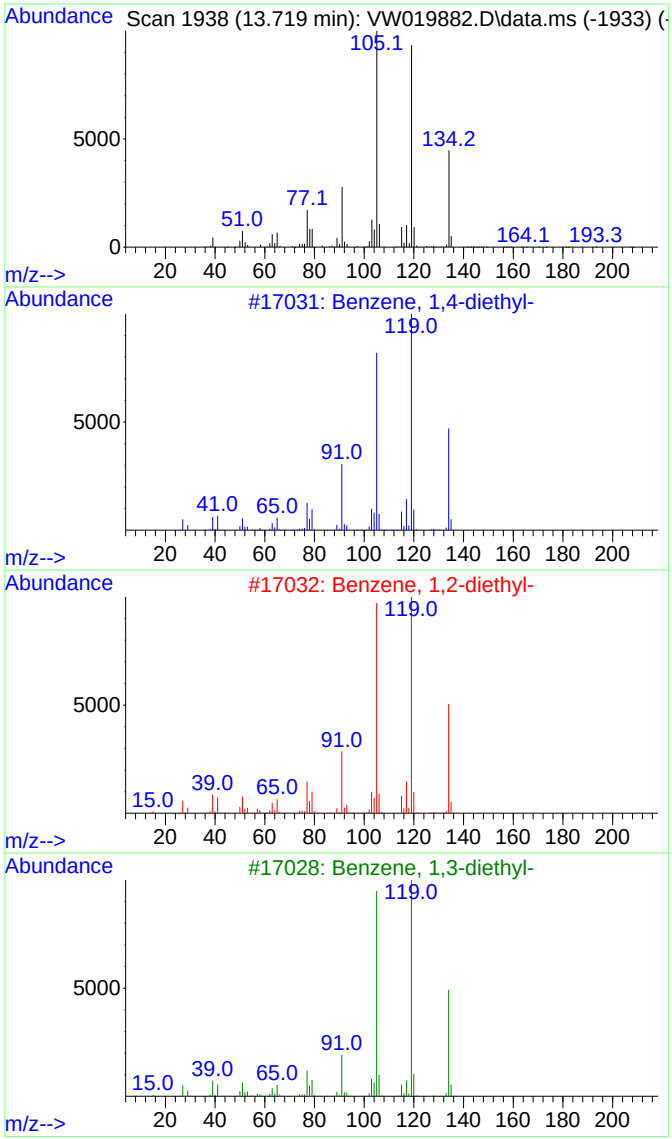
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

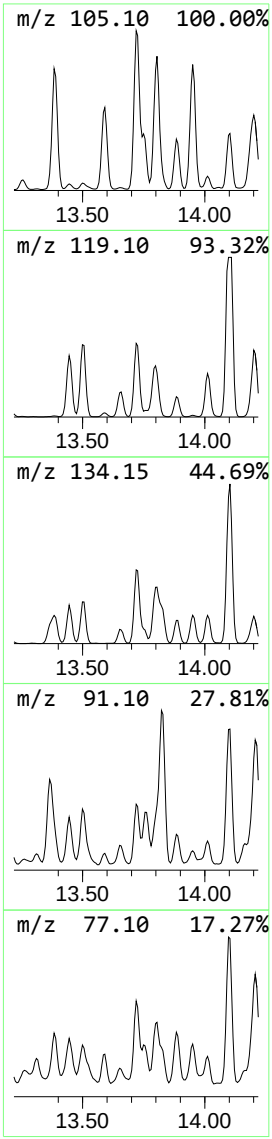
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 Benzene, 1,4-diethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.719	62.22 ug/L	24991200	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	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, 1,3-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\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

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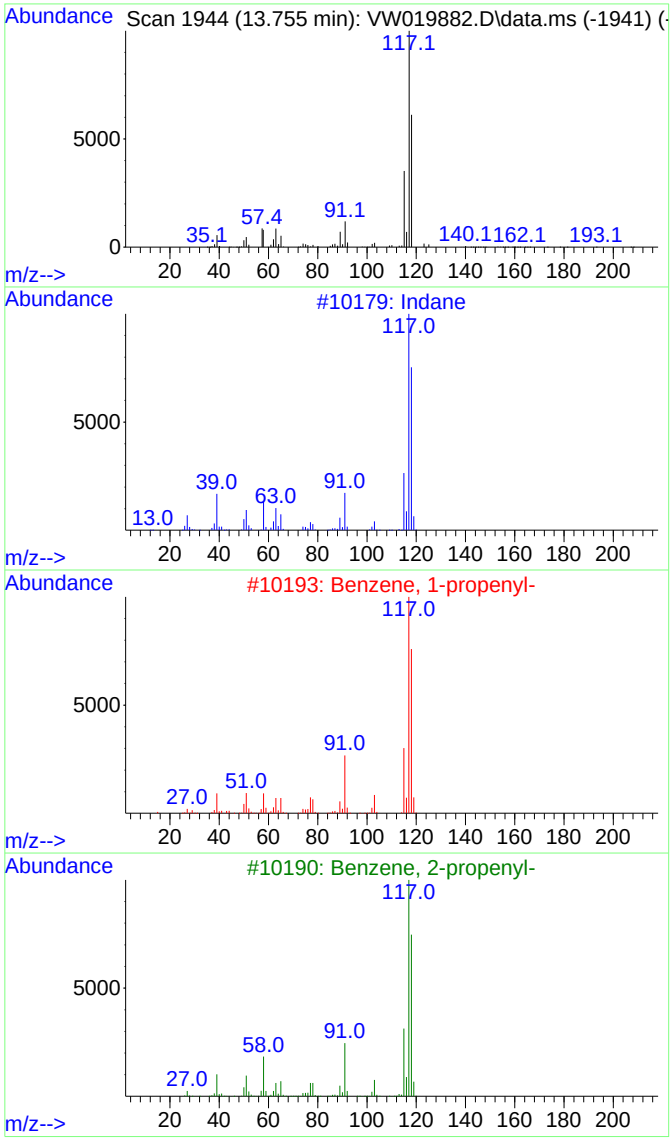
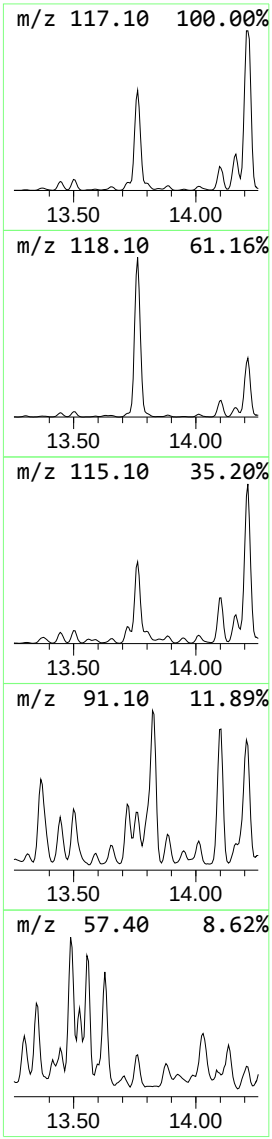
Peak Number 52 Indane Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.755	49.13 ug/L	19734000	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
5	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

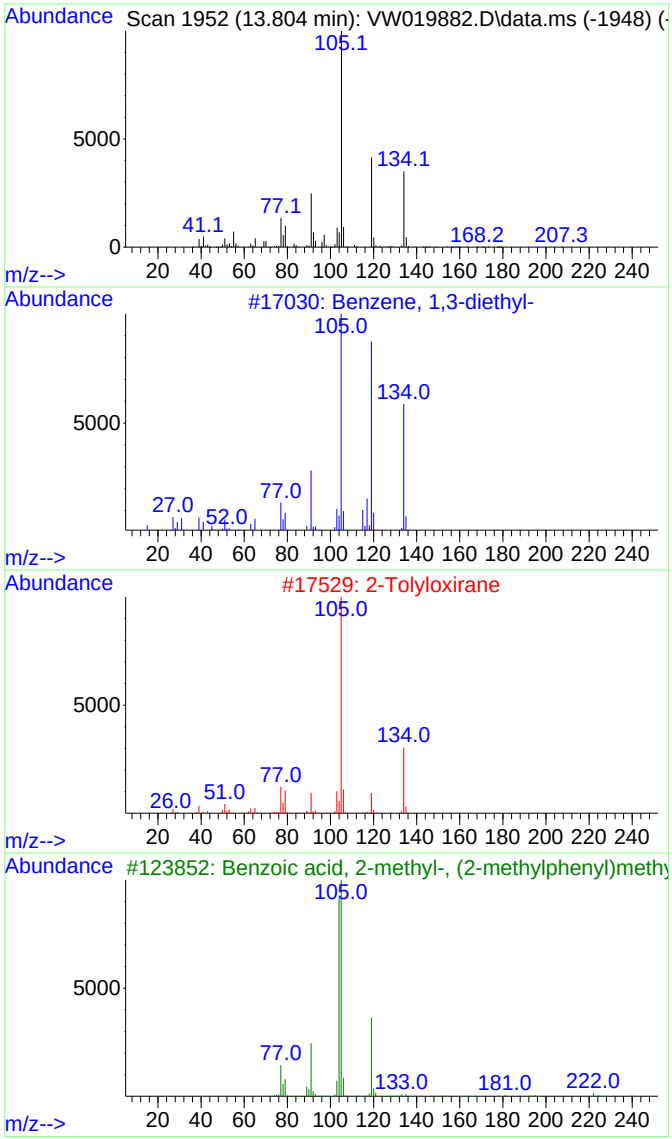
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

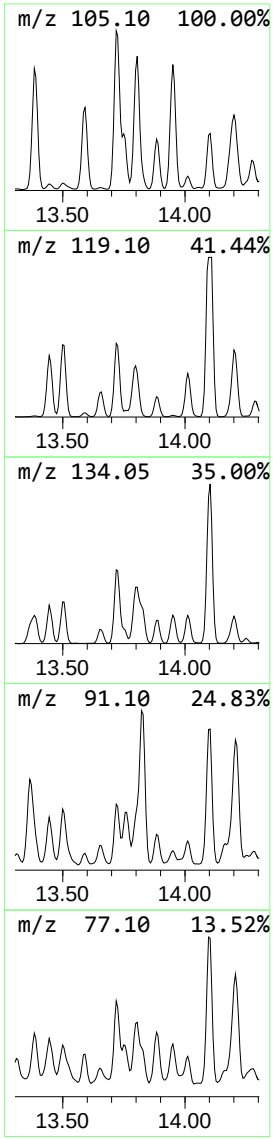
****

Peak Number 53 Benzene, 1,3-diethyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.804	31.28 ug/L	12565600	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	72
2	2-Tolyloxirane	134	C9H10O	002783-26-8	60
3	Benzoic acid, 2-methyl-, (2-meth...	240	C16H16O2	055133-99-8	53
4	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	45
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

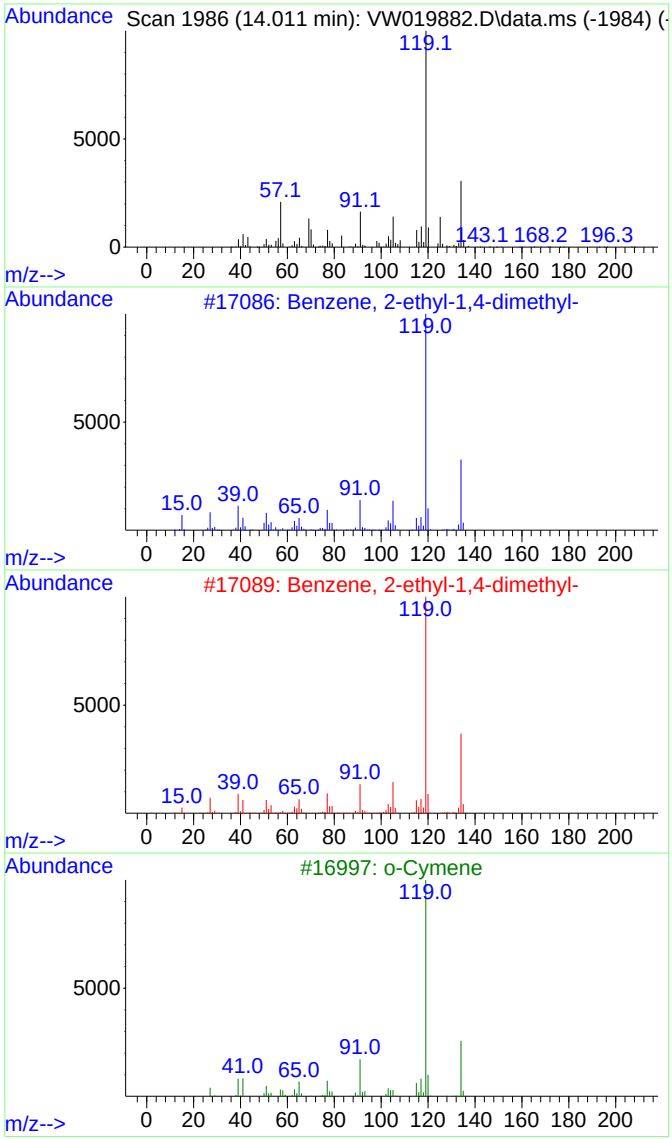
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

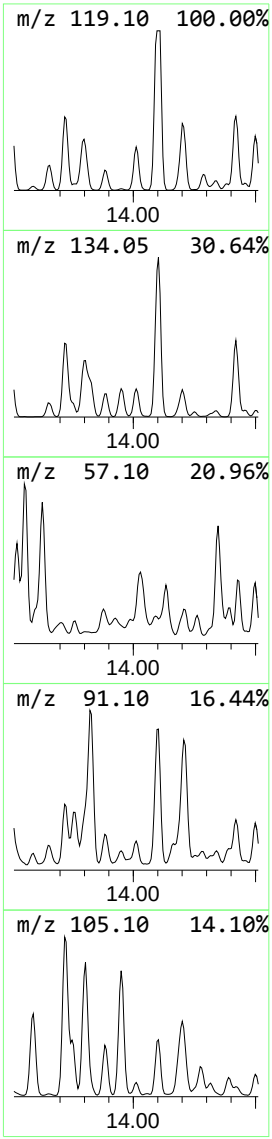
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 54 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.012	23.28 ug/L	9350210	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	94
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93





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Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

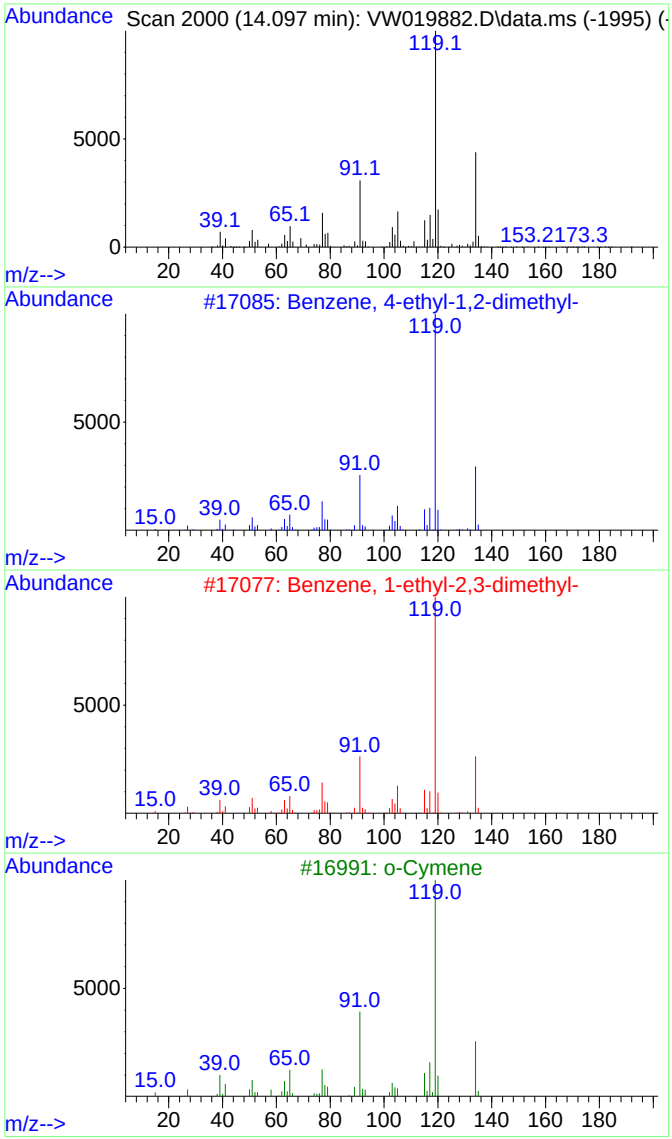
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

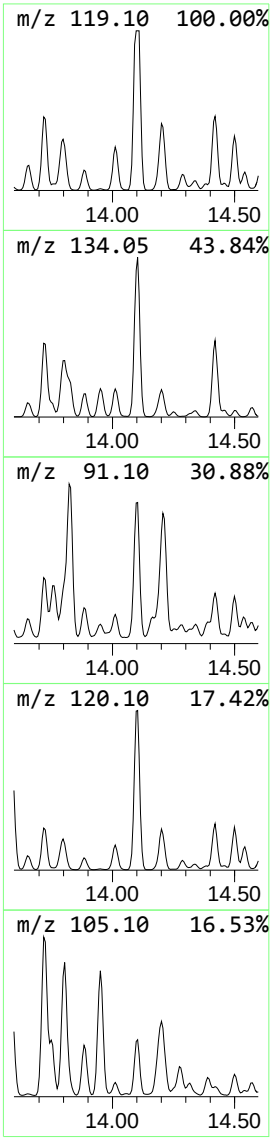
****

Peak Number 55 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.097	129.39 ug/L	51972600	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	97
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
3	o-Cymene	134	C10H14	000527-84-4	91
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





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Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

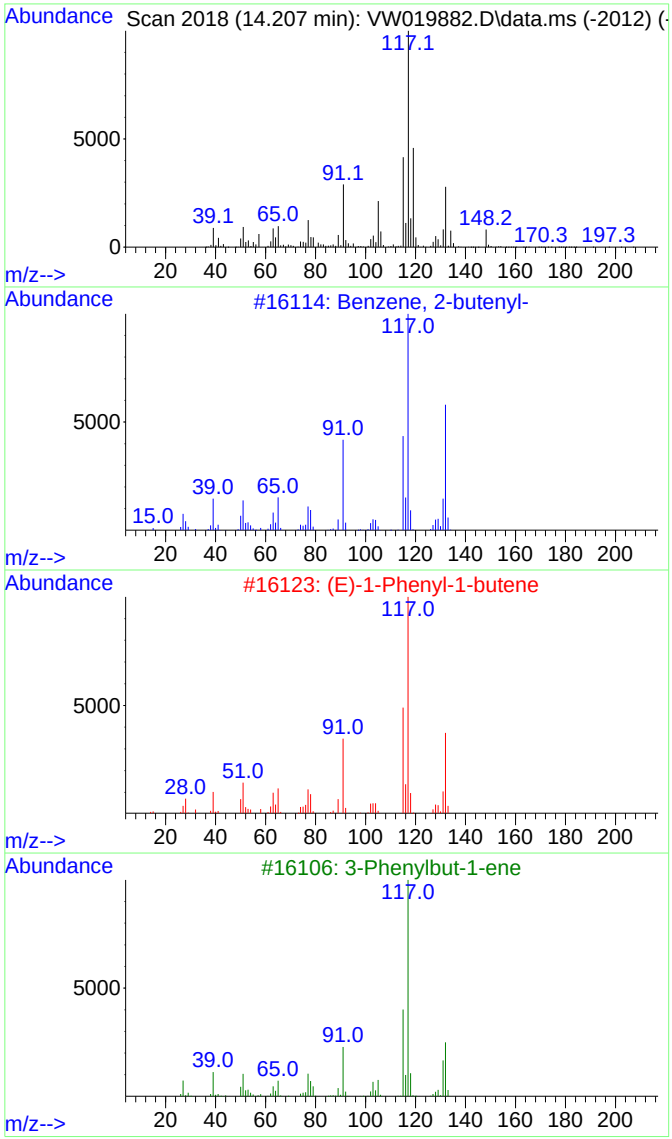
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

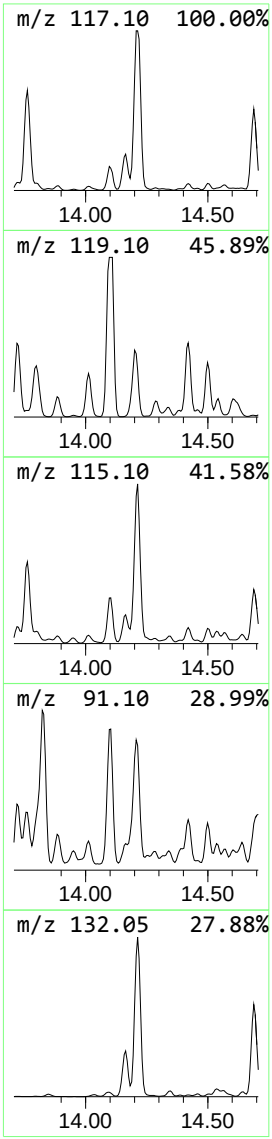
****

Peak Number 56 Benzene, 2-butenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.207	166.59 ug/L	66915700	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	86
2	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	86
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
4	Indan, 1-methyl-	132	C10H12	000767-58-8	60
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	60





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Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

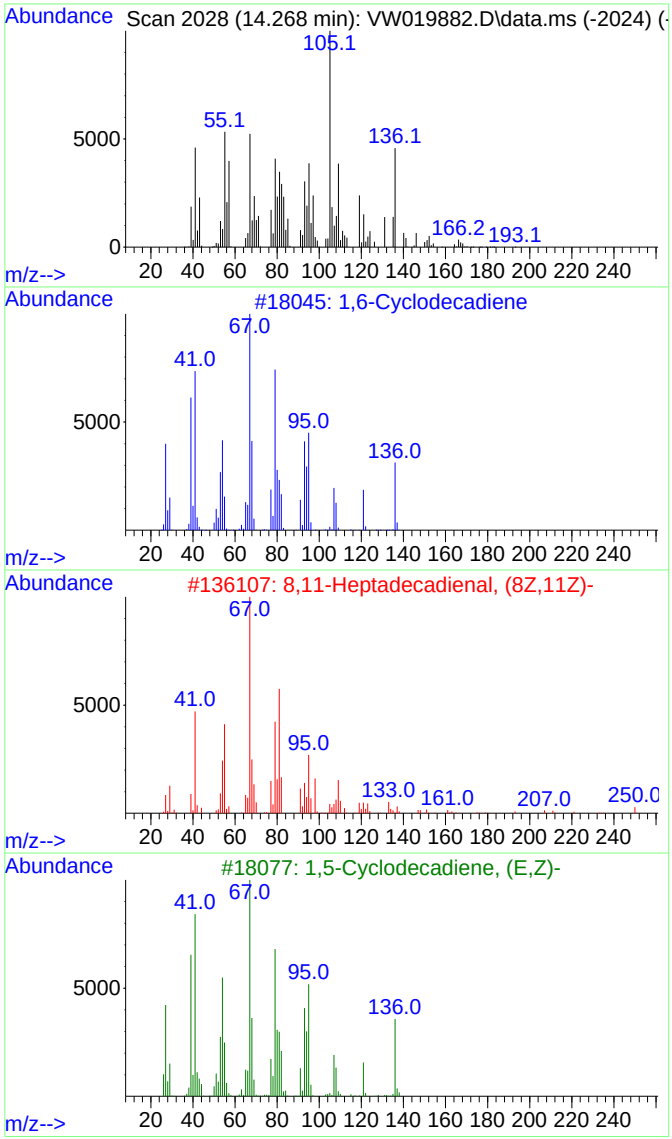
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

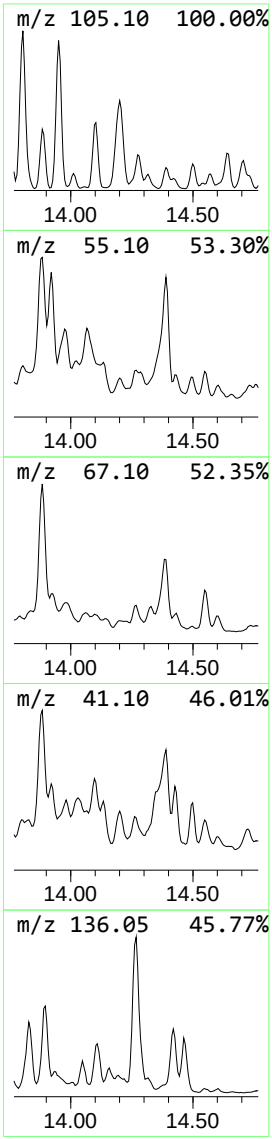
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 57 1,6-Cyclodecadiene Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.268	23.81 ug/L	9564370	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6-Cyclodecadiene	136	C10H16	007049-13-0	50
2	8,11-Heptadecadienal, (8Z,11Z)-	250	C17H30O	056797-42-3	47
3	1,5-Cyclodecadiene, (E,Z)-	136	C10H16	001124-78-3	46
4	1,6-Cyclodecadiene	136	C10H16	007049-13-0	43
5	1-Propanone, 1-(4-cycloocten-1-yl)-	166	C11H18O	054703-58-1	38





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Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

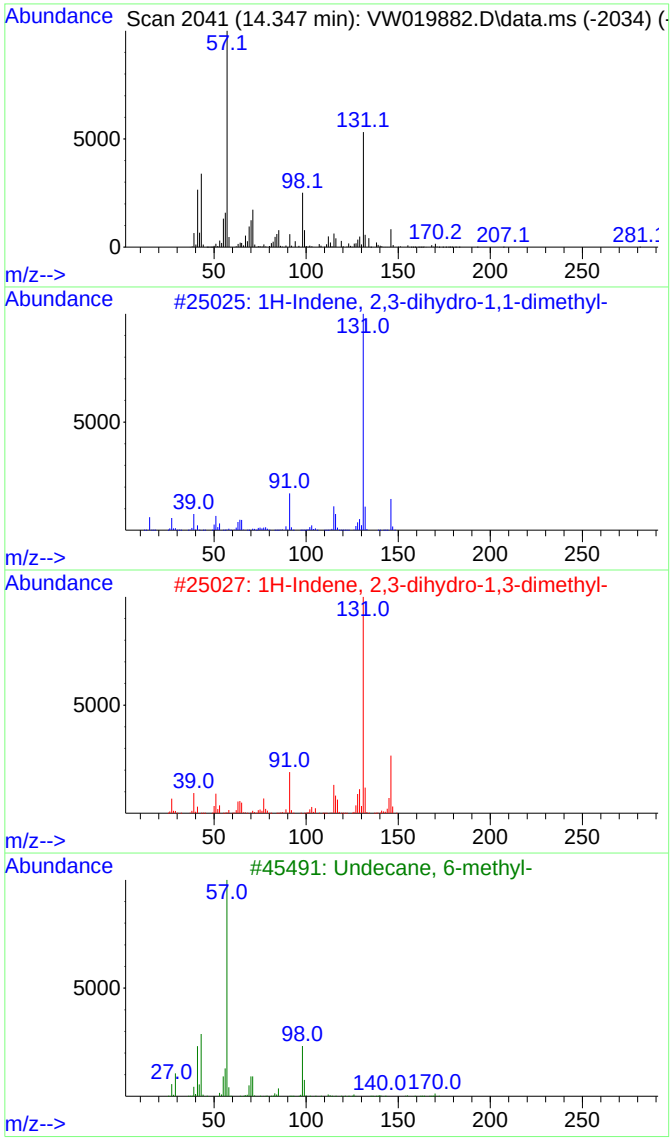
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

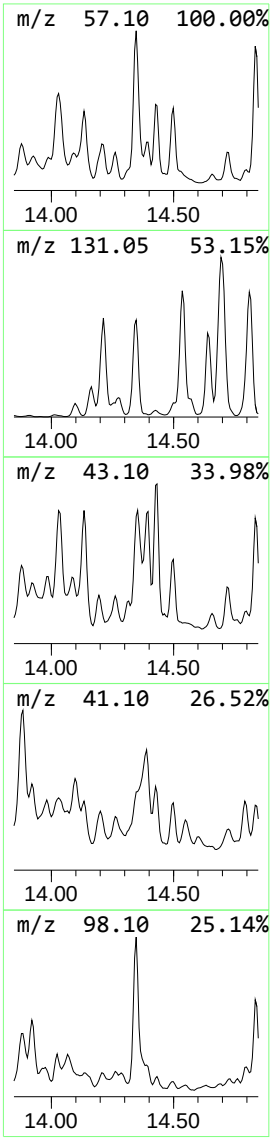
****

Peak Number 58 unknown-04 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.347	39.49 ug/L	15864100	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	46
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	46
3	Undecane, 6-methyl-	170	C12H26	017302-33-9	38
4	1H-Indene, 2,3-dihydro-4-propyl-	160	C12H16	092013-16-6	38
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

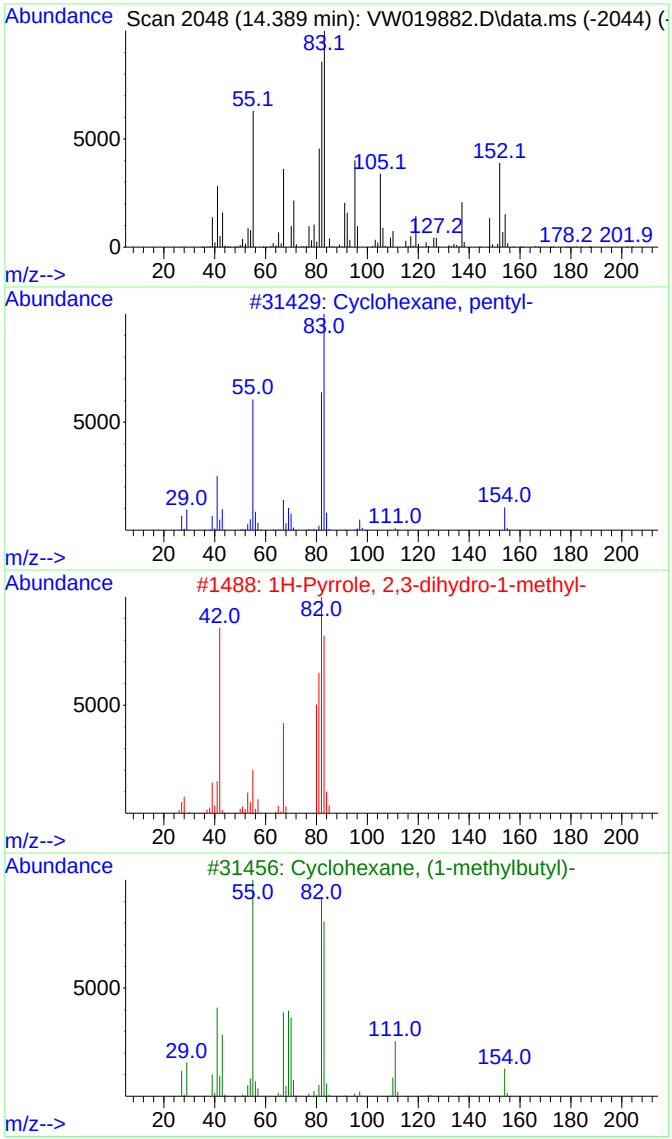
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

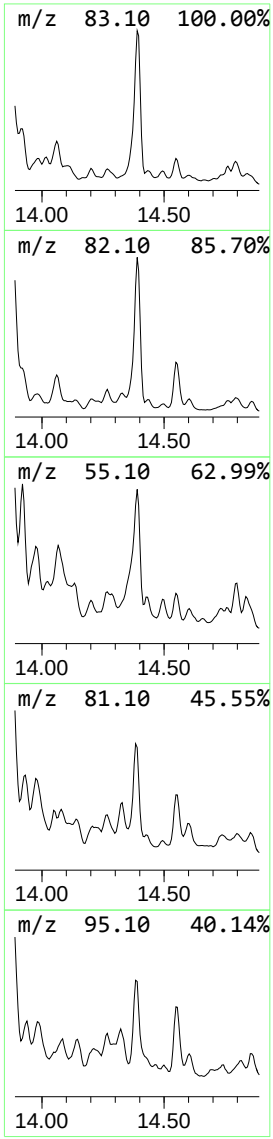
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 59 (DEL) Alkane: Cyclic14.390 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.390	66.98 ug/L	26905300	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
2	1H-Pyrrole, 2,3-dihydro-1-methyl-	83	C5H9N	033838-11-8	43
3	Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	38
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	38
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	38





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Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

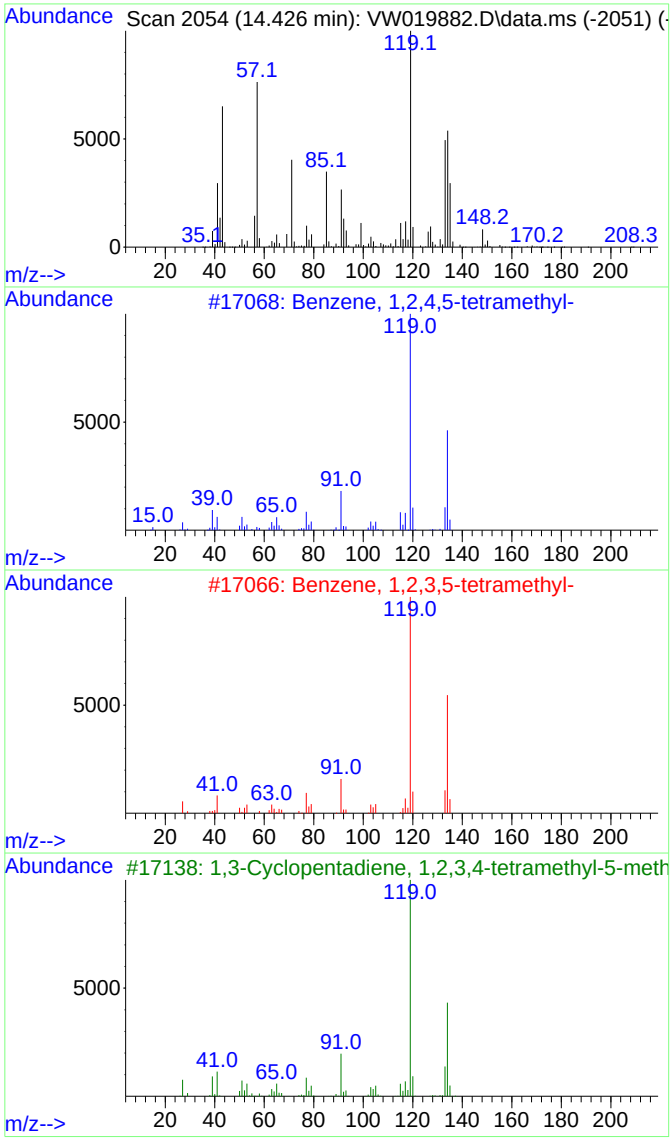
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

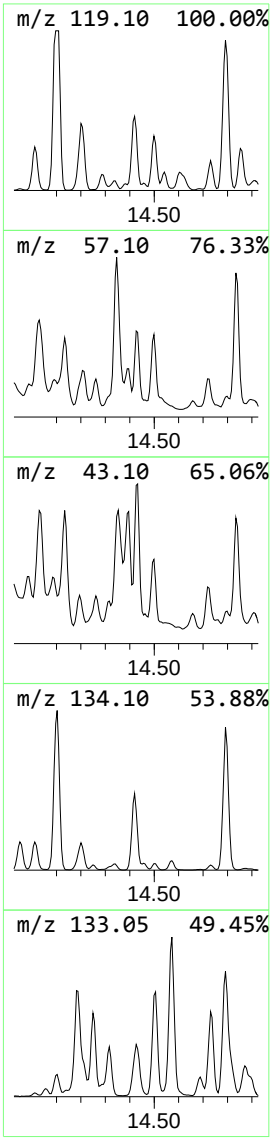
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 60 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.426	65.74 ug/L	26405800	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	55
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	55
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	55
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	55
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

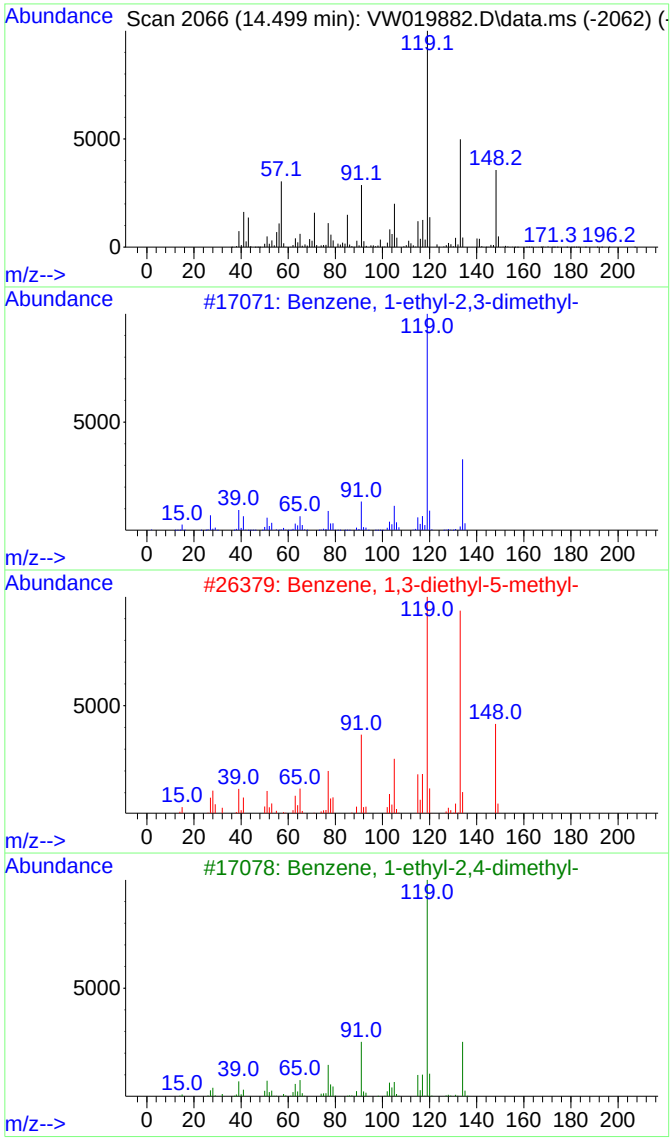
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

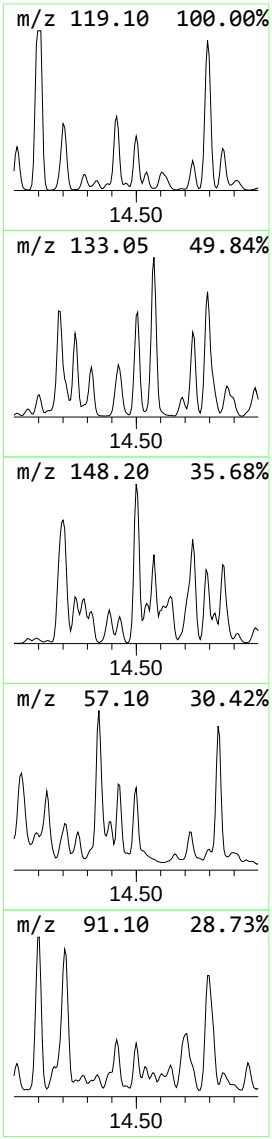
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 61 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.499	52.43 ug/L	21058400	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	55
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	53
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	50
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	50
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	50





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Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

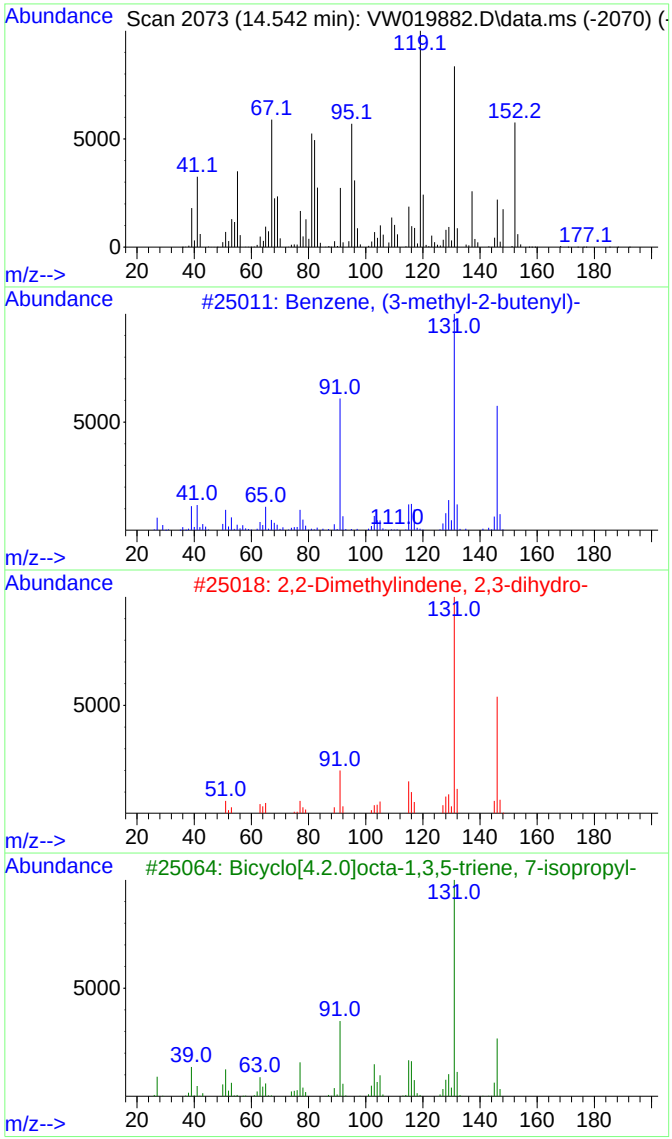
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

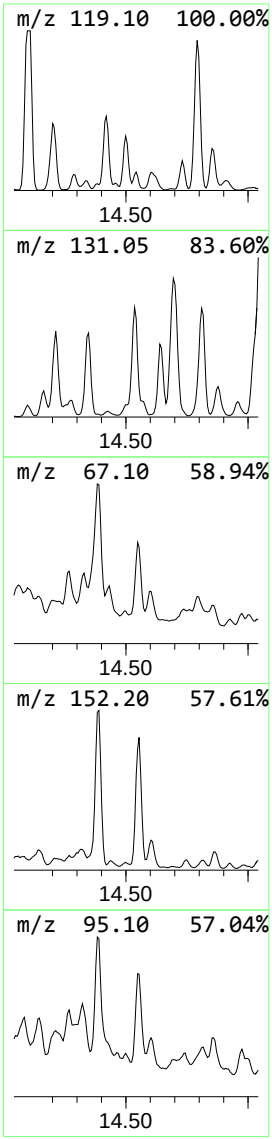
****

Peak Number 62 Benzene, (3-methyl-2-butenyl)- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.542	34.15 ug/L	13718400	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	53
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	44
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	40
4	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	38
5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	38





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Data File : VW019882.D
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Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

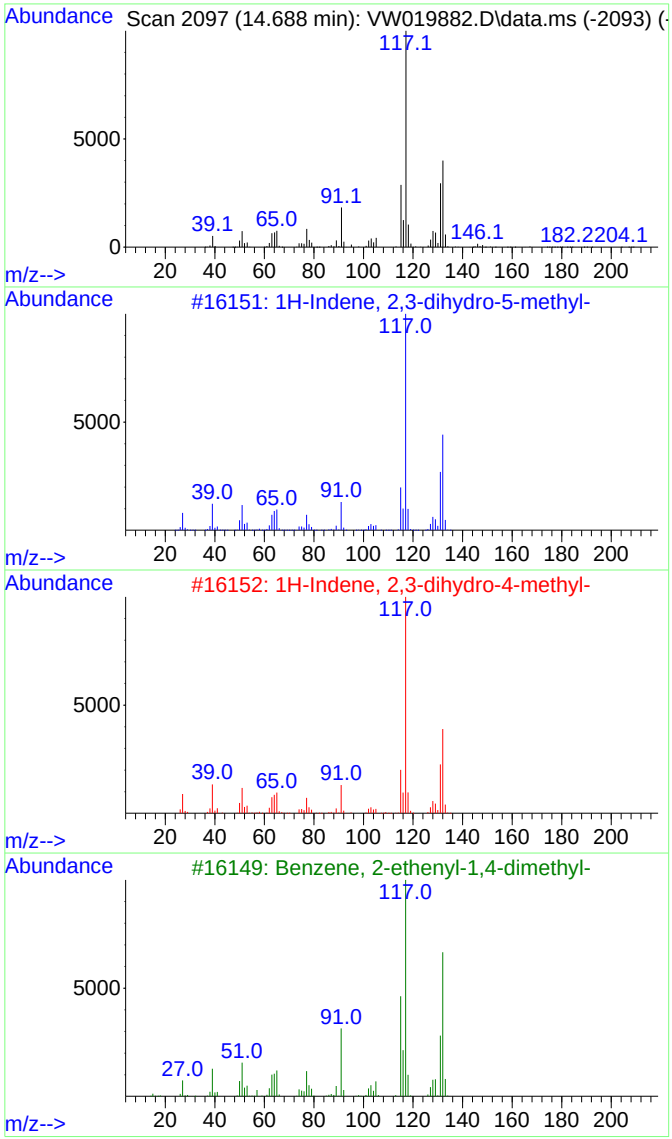
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

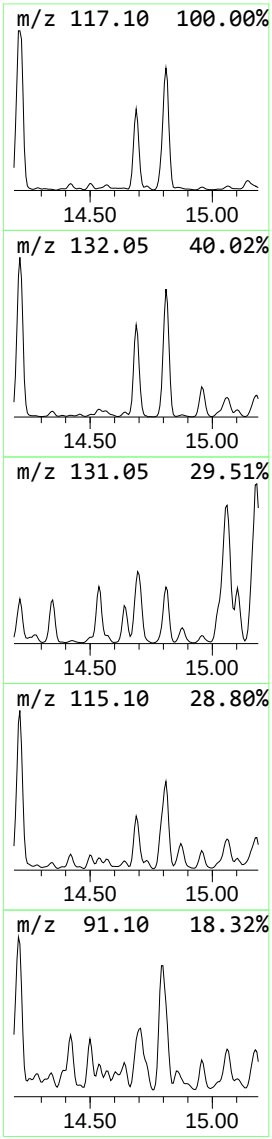
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 63 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.688	67.32 ug/L	27040300	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	95
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90





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Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

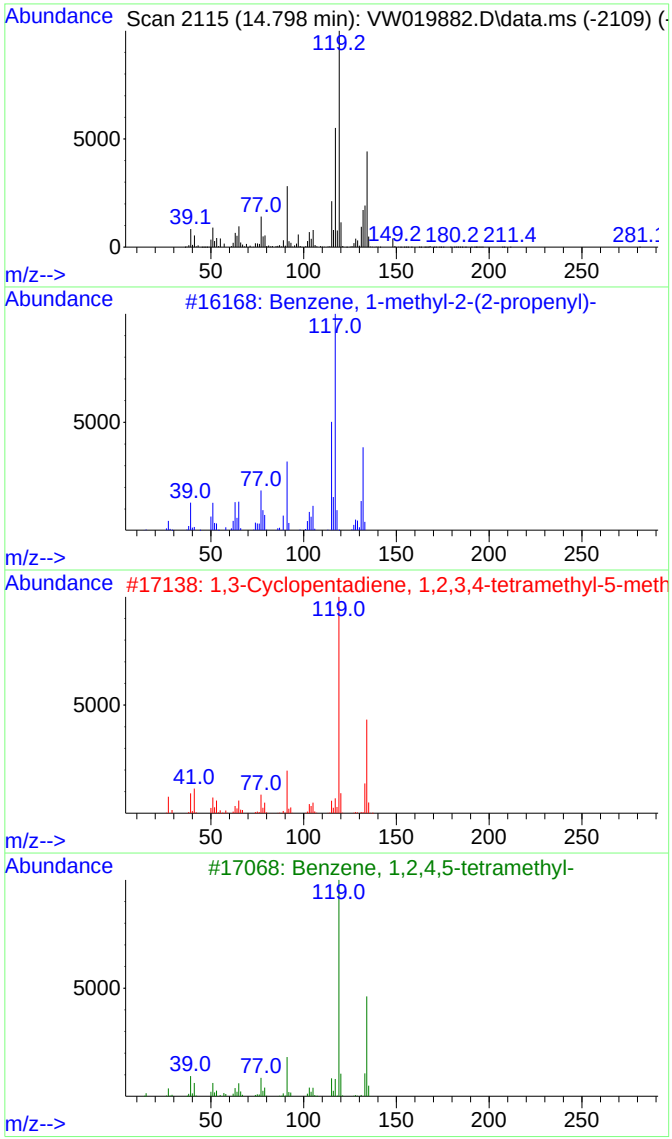
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

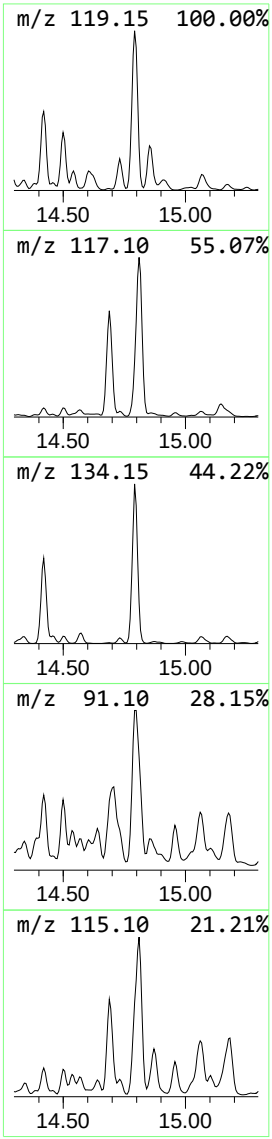
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 65 Benzene, 1-methyl-2-(2-prop... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.798	212.70 ug/L	85436800	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	64
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	60
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

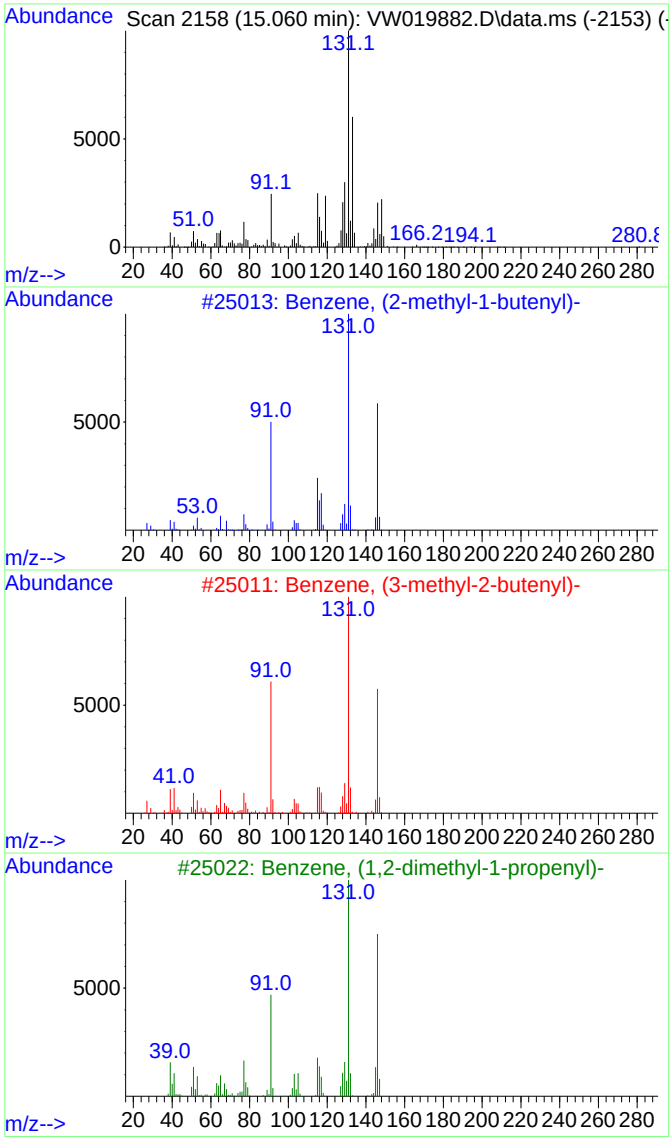
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

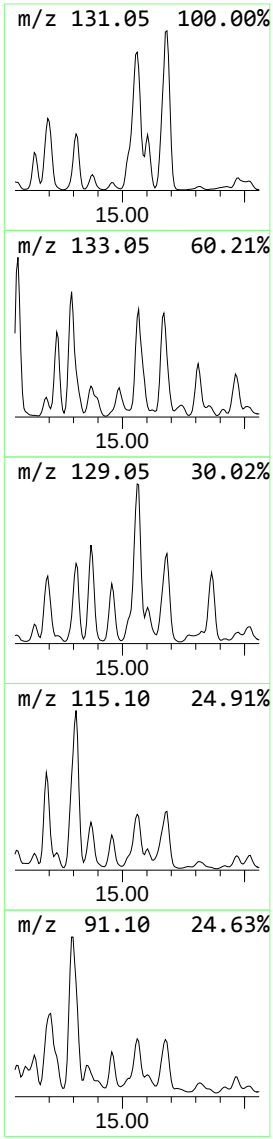
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 67 Benzene, (2-methyl-1-butenyl)- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	48.39 ug/L	19436700	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	60
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	55
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	55
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	53
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	49





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Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

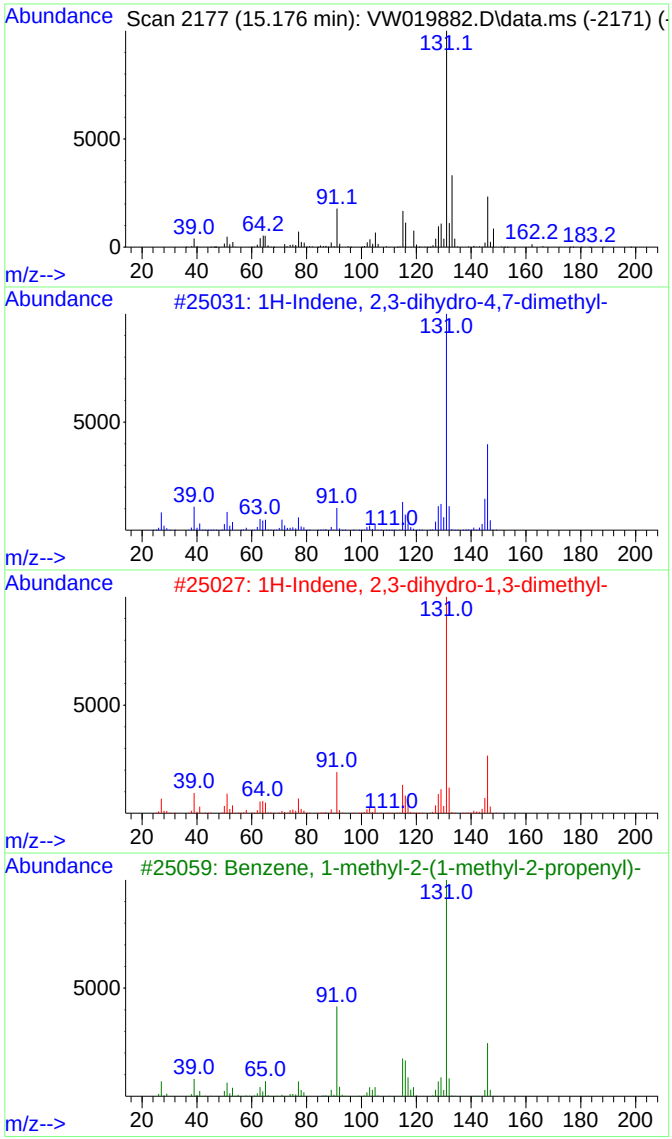
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

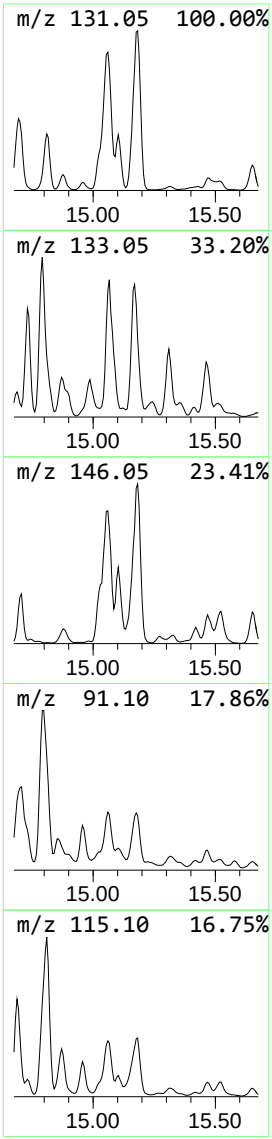
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 68 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.176	65.47 ug/L	26297200	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
3	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	81
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7B9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

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

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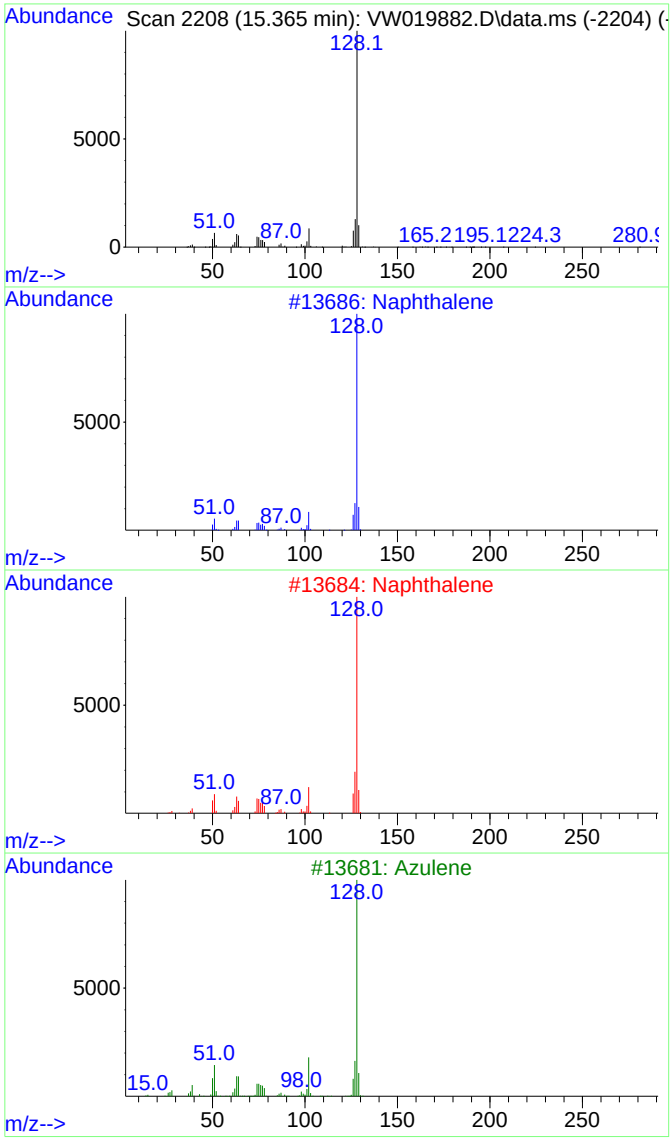
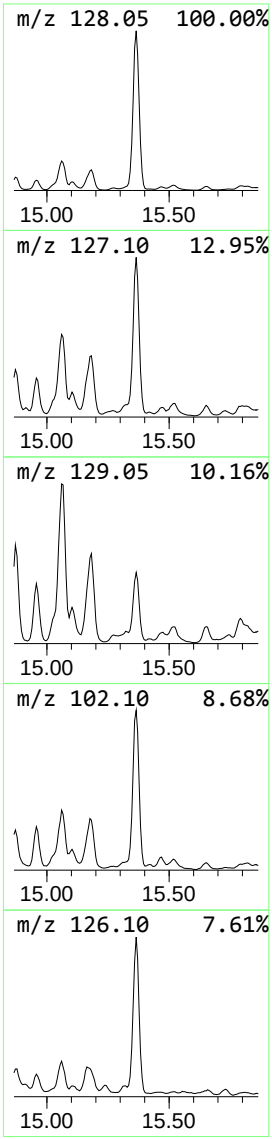
Peak Number 70 Azulene Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.365	23.87 ug/L	9586930	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Naphthalene	128	C10H8	000091-20-3	94
3	Azulene	128	C10H8	000275-51-4	91
4	Azulene	128	C10H8	000275-51-4	91
5	Azulene	128	C10H8	000275-51-4	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
Data File : VW019882.D
Acq On : 24 Aug 2021 18:05
Operator : SY/VA
Sample : M3526-07
Misc : 5.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7B9

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.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
(DEL) Alkane: S...	4.977	18.1	ug/L	26072400	1	8.842	35977500	25.0
(DEL) Alkane: S...	5.452	12.5	ug/L	17997600	1	8.842	35977500	25.0
2-Ethyl-oxetane	5.952	27.1	ug/L	39035500	1	8.842	35977500	25.0
(DEL) Alkane: S...	6.891	4.0	ug/L	5740270	1	8.842	35977500	25.0
(DEL) Alkane: C...	6.994	40.9	ug/L	58820700	1	8.842	35977500	25.0
(DEL) Alkane: S...	8.049	17.4	ug/L	25033600	1	8.842	35977500	25.0
(DEL) Alkane: S...	8.171	66.1	ug/L	95103700	1	8.842	35977500	25.0
(DEL) Alkane: C...	8.452	54.4	ug/L	78336700	1	8.842	35977500	25.0
(DEL) Alkane: C...	8.519	36.4	ug/L	52358100	1	8.842	35977500	25.0
(DEL) Alkane: C...	8.592	72.7	ug/L	104614000	1	8.842	35977500	25.0
(DEL) Alkane: S...	8.701	14.2	ug/L	20475600	1	8.842	35977500	25.0
(DEL) Alkane: C...	9.524	44.2	ug/L	63604500	1	8.842	35977500	25.0
(DEL) Alkane: C...	9.622	39.3	ug/L	56480300	1	8.842	35977500	25.0
(DEL) Alkane: C...	9.762	52.9	ug/L	76080800	1	8.842	35977500	25.0
2,4-Hexadiene, ...	9.860	33.3	ug/L	47856100	1	8.842	35977500	25.0
(DEL) Alkane: S...	9.976	116.1	ug/L	167126000	1	8.842	35977500	25.0
(DEL) Alkane: S...	10.110	82.3	ug/L	118451000	1	8.842	35977500	25.0
Cyclohexene, 1-...	10.213	42.3	ug/L	60837100	1	8.842	35977500	25.0
(DEL) Alkane: C...	10.457	30.1	ug/L	30719800	2	11.634	25483800	25.0
(DEL) Alkane: S...	10.518	136.4	ug/L	139035000	2	11.634	25483800	25.0
(DEL) Alkane: C...	10.677	97.7	ug/L	99598400	2	11.634	25483800	25.0
(DEL) Alkane: C...	10.762	121.5	ug/L	123876000	2	11.634	25483800	25.0
(DEL) Alkane: S...	10.854	27.4	ug/L	27938400	2	11.634	25483800	25.0
1,3-Dimethyl-1-...	11.024	31.4	ug/L	31975900	2	11.634	25483800	25.0
unknown-01	11.061	51.5	ug/L	52547400	2	11.634	25483800	25.0
(DEL) Alkane: C...	11.116	52.0	ug/L	52951900	2	11.634	25483800	25.0
Methyl ethyl cy...	11.152	51.3	ug/L	52266700	2	11.634	25483800	25.0
(DEL) Alkane: C...	11.195	104.2	ug/L	106232000	2	11.634	25483800	25.0
(DEL) Alkane: C...	11.244	103.4	ug/L	105406000	2	11.634	25483800	25.0
Cyclohexane, 1,...	11.293	31.1	ug/L	31753300	2	11.634	25483800	25.0
(DEL) Alkane: S...	11.347	56.5	ug/L	57544900	2	11.634	25483800	25.0
(DEL) Alkane: S...	11.433	159.0	ug/L	162096000	2	11.634	25483800	25.0
(DEL) Alkane: S...	11.524	101.7	ug/L	103650000	2	11.634	25483800	25.0
(DEL) Alkane: C...	11.920	39.9	ug/L	40703700	2	11.634	25483800	25.0
(DEL) Alkane: C...	11.981	6.8	ug/L	6926510	2	11.634	25483800	25.0
1-Tridecyne	12.048	25.4	ug/L	25914600	2	11.634	25483800	25.0
(DEL) Alkane: S...	12.262	56.1	ug/L	57186700	2	11.634	25483800	25.0
Cyclooctene, 3-...	12.347	83.5	ug/L	85132200	2	11.634	25483800	25.0
unknown-02	12.798	170.5	ug/L	68474100	3	13.560	10042000	25.0
(DEL) Alkane: C...	12.865	35.0	ug/L	14043100	3	13.560	10042000	25.0
Benzene, 1-ethy...	13.109	180.8	ug/L	72625900	3	13.560	10042000	25.0
(DEL) Alkane: S...	13.170	131.1	ug/L	52649400	3	13.560	10042000	25.0
(DEL) Alkane: S...	13.353	20.6	ug/L	8296550	3	13.560	10042000	25.0
unknown-03	13.384	25.3	ug/L	10172200	3	13.560	10042000	25.0
p-Cymene	13.445	139.2	ug/L	55903300	3	13.560	10042000	25.0
o-Cymene	13.493	34.4	ug/L	13813000	3	13.560	10042000	25.0
(DEL) Alkane: S...	13.627	36.9	ug/L	14807800	3	13.560	10042000	25.0
Benzene, 1,4-di...	13.719	62.2	ug/L	24991200	3	13.560	10042000	25.0
Indane	13.755	49.1	ug/L	19734000	3	13.560	10042000	25.0
Benzene, 1,3-di...	13.804	31.3	ug/L	12565600	3	13.560	10042000	25.0
Benzene, 2-ethy...	14.012	23.3	ug/L	9350210	3	13.560	10042000	25.0
Benzene, 4-ethy...	14.097	129.4	ug/L	51972600	3	13.560	10042000	25.0

Benzene, 2-bute...	14.207	166.6	ug/L	66915700	3	13.560	10042000	25.0
1,6-Cyclodecadiene	14.268	23.8	ug/L	9564370	3	13.560	10042000	25.0
unknown-04	14.347	39.5	ug/L	15864100	3	13.560	10042000	25.0
(DEL) Alkane: C...	14.390	67.0	ug/L	26905300	3	13.560	10042000	25.0
Benzene, 1,2,4,...	14.426	65.7	ug/L	26405800	3	13.560	10042000	25.0
Benzene, 1-ethy...	14.499	52.4	ug/L	21058400	3	13.560	10042000	25.0
Benzene, (3-met...	14.542	34.1	ug/L	13718400	3	13.560	10042000	25.0
1H-Indene, 2,3-...	14.688	67.3	ug/L	27040300	3	13.560	10042000	25.0
Benzene, 1-meth...	14.798	212.7	ug/L	85436800	3	13.560	10042000	25.0
Benzene, (2-met...	15.060	48.4	ug/L	19436700	3	13.560	10042000	25.0
1H-Indene, 2,3-...	15.176	65.5	ug/L	26297200	3	13.560	10042000	25.0
Azulene	15.365	23.9	ug/L	9586930	3	13.560	10042000	25.0

Instrument :
MSVOA_W
ClientSampleId :
EW7B9