LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587

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\SFAMWLM041421SMA.M
Title : SFAM01.0

Signal : TIC: VW018829.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.355	64	74	87	rBV	63850	146162	0.93%	0.065%
2	2.891	154	162	177	rVV	55837	146173	0.93%	0.065%
3	4.019	334	347	358	rBV	83853	278011	1.77%	0.123%
4	4.129	358	365	390	rVB	55835	173697	1.10%	0.077%
5	4.391	396	408	430	rBV2	24666	112806	0.72%	0.050%
6	4.922	480	495	515	rBV4	51557	232487	1.48%	0.103%
7	5.440	568	580	591	rBV4	13560	49008	0.31%	0.022%
8	5.946	653	663	675	rVB2	17854	52938	0.34%	0.023%
9	6.879	805	816	825	rBV3	24467	80445	0.51%	0.036%
10	6.982	825	833	842	rVB3	19406	53015	0.34%	0.023%
11	7.080	842	849	855	rBV	57429	157521	1.00%	0.070%
12	7.159	856	862	879	rVB2	39380	160647	1.02%	0.071%
13	7.647	932	942	958	rBV	225100	585957	3.72%	0.259%
14	7.933	979	989	998	rBV4	40269	130942	0.83%	0.058%
15	8.037	998	1006	1017	rVB	61521	157578	1.00%	0.070%
16	8.159	1017	1026	1033	rBV	89282	198675	1.26%	0.088%
17	8.281	1033	1046	1062	rVB2	364179	1217218	7.73%	0.539%
18	8.482	1062	1079	1092	rBV	1222602	3593656	22.82%	1.590%
19	8.842	1129	1138	1150	rBV	492782	1036369	6.58%	0.459%
20	9.073	1168	1176	1180	rBV3	25925	60478	0.38%	0.027%
21	9.274	1200	1209	1213	rBV	318369	705429	4.48%	0.312%
22	9.329	1213	1218	1223	rVV2	730939	1566374	9.95%	0.693%
23	9.384	1223	1227	1235	rVV	424239	852539	5.41%	0.377%
24	9.470	1235	1241	1246	rVV	153076	355019	2.25%	0.157%
25	9.512	1246	1248	1255	rVB2	68945	112734	0.72%	0.050%
26	9.610	1255	1264	1271	rBV2	131894	311391	1.98%	0.138%
27	9.762	1280	1289	1299	rBV	1690509	3687156	23.41%	1.631%
28	9.896	1299	1311	1319	rBV	2311852	5192348	32.97%	2.297%
29	9.994	1323	1327	1330	rVB	87968	132598	0.84%	0.059%
30	10.037	1330	1334	1337	rVB	54938	68810	0.44%	0.030%
31	10.091	1337	1343	1357	rVB4	229527	724423	4.60%	0.321%
32	10.250	1357	1369	1376	rBV	2718311	5388745	34.21%	2.384%
33	10.323	1376	1381	1392	rVB	725645	1499326	9.52%	0.663%
34	10.445	1393	1401	1404	rBV2	163419	316223	2.01%	0.140%
35	10.488	1404	1408	1411	rBV3	120223	220524	1.40%	0.098%
36	10.579	1418	1423	1426	rBV	90414	160872	1.02%	0.071%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587

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\SFAMWLM041421SMA.M
Title : SFAM01.0

37	10.664	1433	1437	1440	rBV	142511	249217	1.58%	0.110%
38	10.768	1446	1454	1462	rVB3	799004	1757524	11.16%	0.778%
39	10.847	1462	1467	1473	rVB	358338	638035	4.05%	0.282%
40	10.933	1473	1481	1487	rBV2	797826	1632845	10.37%	0.722%
41	11.000	1487	1492	1493	rBV	182908	257623	1.64%	0.114%
42	11.036	1493	1498	1506	rVB	826638	1702254	10.81%	0.753%
43	11.110	1506	1510	1512	rBV3	177122	268146	1.70%	0.119%
44	11.140	1512	1515	1518	rVV2	101369	123870	0.79%	0.055%
45	11.183	1518	1522	1525	rVV3	231936	362090	2.30%	0.160%
46	11.231	1525	1530	1535	rVV2	454430	884492	5.62%	0.391%
47	11.280	1535	1538	1543	rVB4	234935	398226	2.53%	0.176%
48	11.341	1543	1548	1552	rBV	668268	1034949	6.57%	0.458%
49	11.402	1552	1558	1561	rVV4	303949	640063	4.06%	0.283%
50	11.439	1561	1564	1571	rVB3	480049	942013	5.98%	0.417%
51	11.512	1571	1576	1586	rBV2	791467	1849489	11.74%	0.818%
52	11.628	1586	1595	1599	rBV2	1346884	3544899	22.51%	1.568%
53	11.695	1599	1606	1610	rVB	749265	1550523	9.84%	0.686%
54	11.768	1615	1618	1620	rVB	155805	172745	1.10%	0.076%
55	11.817	1620	1626	1630	rBV4	381448	706227	4.48%	0.312%
56	11.878	1630	1636	1640	rBV	1381855	2300286	14.61%	1.018%
57	11.914	1640	1642	1647	rVB2	575789	797092	5.06%	0.353%
58	11.975	1647	1652	1654	rBV5	190944	341235	2.17%	0.151%
59	12.024	1655	1660	1662	rBV3	233854	439187	2.79%	0.194%
60	12.067	1663	1667	1672	rBV3	717228	1109843	7.05%	0.491%
61	12.134	1672	1678	1685	rBV4	1593291	3543322	22.50%	1.568%
62	12.250	1690	1697	1702	rVB	2613801	4472612	28.40%	1.979%
63	12.335	1702	1711	1713	rBV5	1372616	3294139	20.92%	1.457%
64	12.365	1713	1716	1725	rVB2	1392365	2834141	17.99%	1.254%
65	12.500	1733	1738	1746	rVB4	1640546	3875642	24.61%	1.715%
66	12.591	1746	1753	1763	rVB	5344892	9943316	63.13%	4.399%
67	12.701	1763	1771	1775	rBV4	1708909	3915519	24.86%	1.732%
68	12.756	1775	1780	1782	rBV3	1549975	2761029	17.53%	1.222%
69	12.859	1791	1797	1801	rBV5	1025733	2358491	14.97%	1.043%
70	12.945	1802	1811	1817	rBV7	2843237	9153729	58.12%	4.050%
71	13.079	1829	1833	1836	rBV3	1613643	2399977	15.24%	1.062%
72	13.127	1837	1841	1844	rVV2	1305507	2210509	14.04%	0.978%
73	13.164	1844	1847	1849	rVV2	2231180	3062736	19.45%	1.355%
74	13.195	1849	1852	1856	rVB	2536926	3708428	23.55%	1.641%
75	13.298	1865	1869	1873	rVB	2885646	4310118	27.37%	1.907%
76	13.341	1873	1876	1880	rBV	1384817	1999365	12.69%	0.885%

LSC Area Percent Report

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Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587

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\SFAMWLM041421SMA.M
Title : SFAM01.0

77	13.408	1880	1887	1891	rVV	6699224	12096388	76.80%	5.352%
78	13.444	1891	1893	1897	rVV4	2789335	4153854	26.37%	1.838%
79	13.481	1897	1899	1903	rVB4	1290070	1680869	10.67%	0.744%
80	13.603	1913	1919	1929	rVB	6935902	15749841	100.00%	6.968%
81	13.701	1929	1935	1939	rBV6	1126259	2848638	18.09%	1.260%
82	13.768	1942	1946	1954	rVB4	1823979	4831423	30.68%	2.138%
83	13.877	1960	1964	1968	rBV4	2649223	4452666	28.27%	1.970%
84	14.091	1996	1999	2003	rVB2	1819113	2439463	15.49%	1.079%
85	14.194	2012	2016	2022	rBV3	2023427	3873300	24.59%	1.714%
86	14.261	2022	2027	2033	rVB5	2006955	3518318	22.34%	1.557%
87	14.316	2033	2036	2041	rBV4	618035	1166927	7.41%	0.516%
88	14.383	2042	2047	2051	rBV3	3873506	6885819	43.72%	3.046%
89	14.456	2056	2059	2062	rVV	1784522	2447712	15.54%	1.083%
90	14.499	2062	2066	2069	rVV2	1800186	3070862	19.50%	1.359%
91	14.542	2069	2073	2079	rVB3	2365408	4503772	28.60%	1.993%
92	14.731	2102	2104	2109	rVB2	1159773	1439902	9.14%	0.637%
93	14.792	2109	2114	2119	rBV4	2621529	6100871	38.74%	2.699%
94	14.841	2119	2122	2129	rVB3	2661471	5556616	35.28%	2.458%
95	15.060	2154	2158	2165	rVB4	1384408	2167034	13.76%	0.959%
96	15.182	2172	2178	2184	rBV5	1266219	2791003	17.72%	1.235%
97	15.322	2196	2201	2209	rBV	4083385	7272163	46.17%	3.217%
98	15.657	2248	2256	2262	rBV6	1101043	3273294	20.78%	1.448%
99	15.725	2264	2267	2274	rVB5	1194651	2108003	13.38%	0.933%
100	16.279	2353	2358	2366	rVB	2145717	4131603	26.23%	1.828%

Sum of corrected areas: 226024581

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
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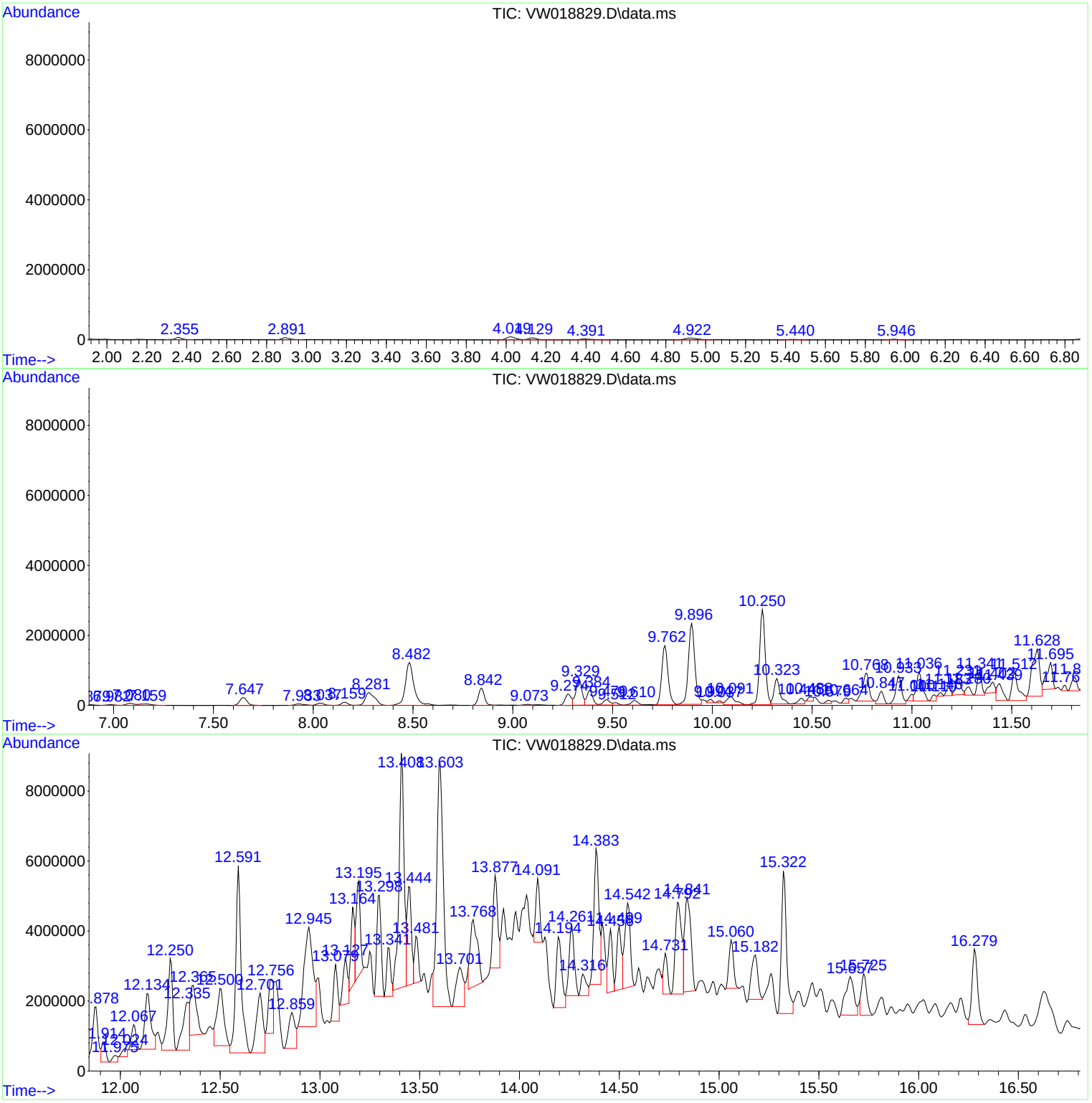
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

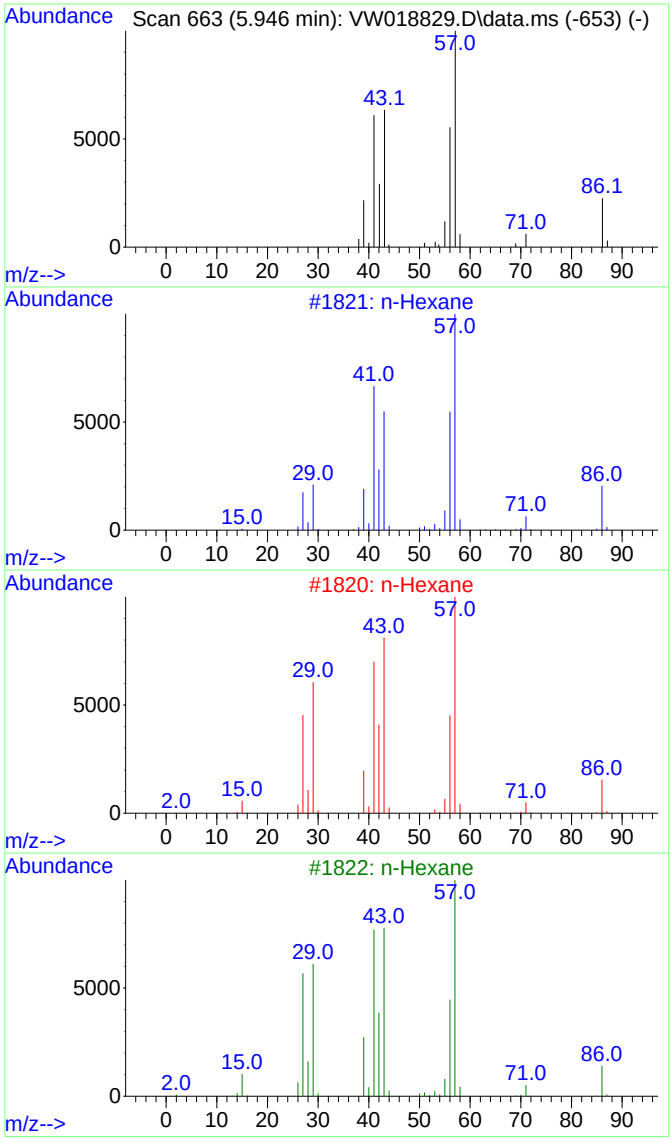
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

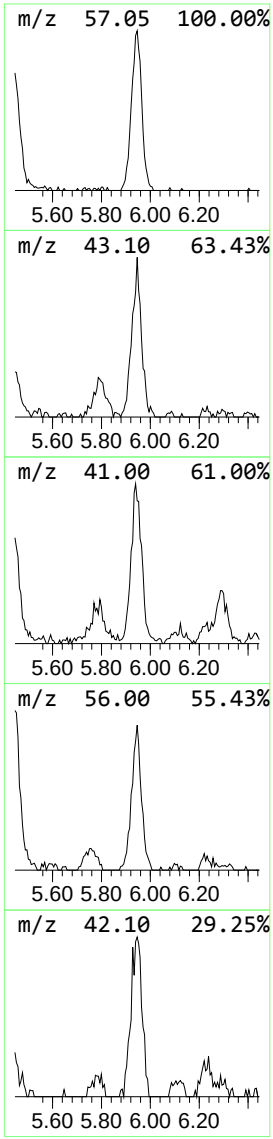
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.946	1.28 ug/L	52938	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	n-Hexane	86	C6H14	000110-54-3	72
3	n-Hexane	86	C6H14	000110-54-3	72
4	Propanal, 2,2-dimethyl-	86	C5H10O	000630-19-3	43
5	Pentane, 3-methyl-	86	C6H14	000096-14-0	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

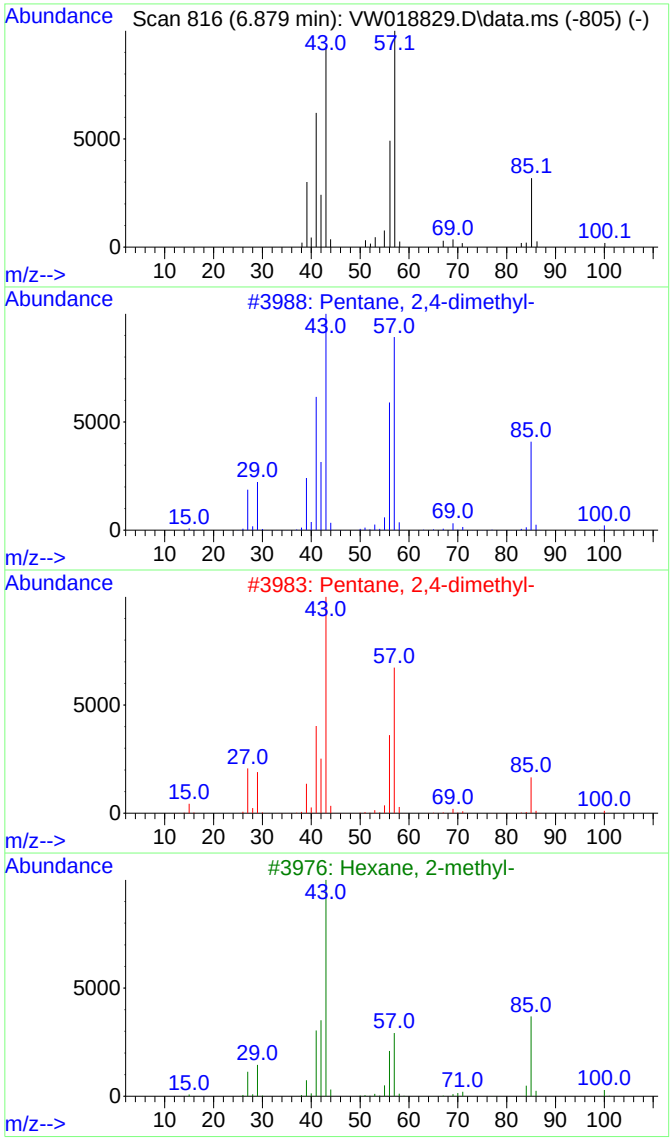
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

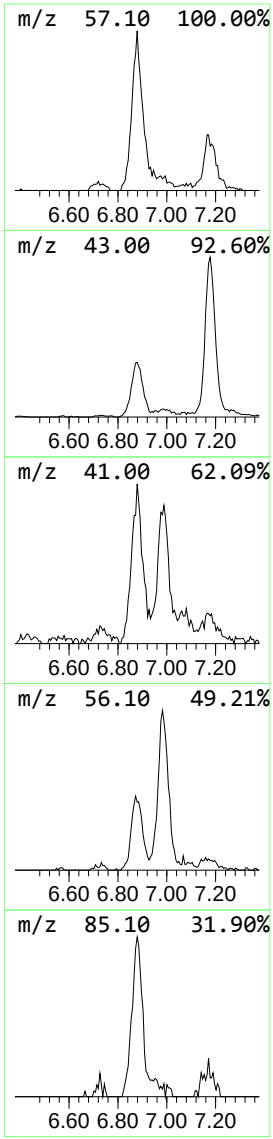
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.879	1.94 ug/L	80445	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	72
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	64
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

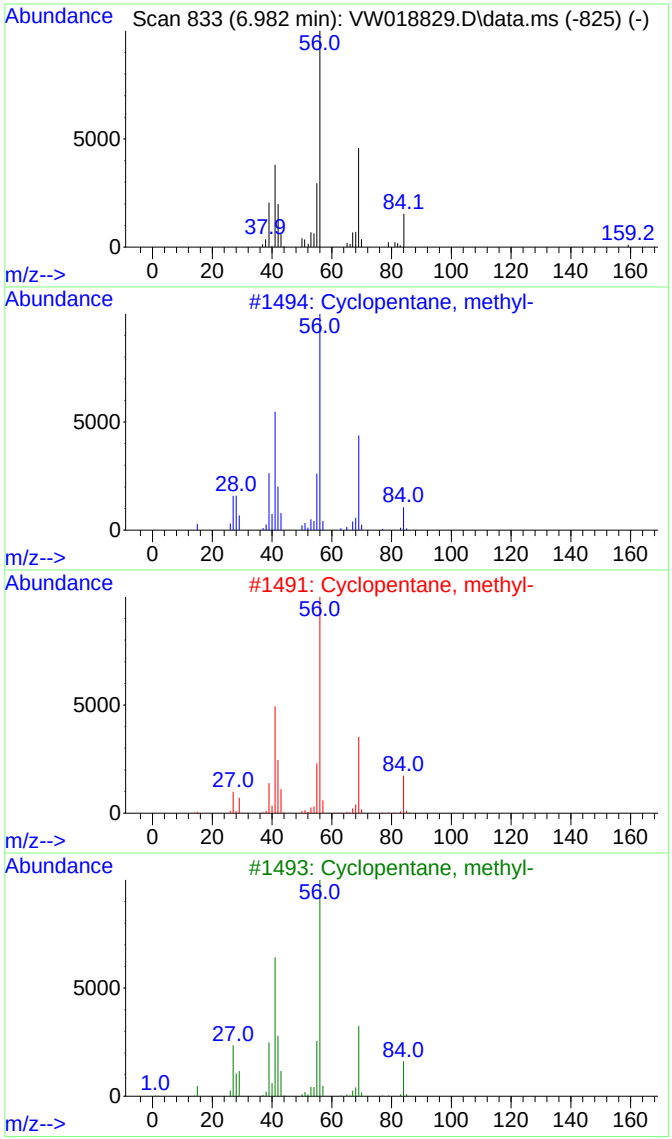
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

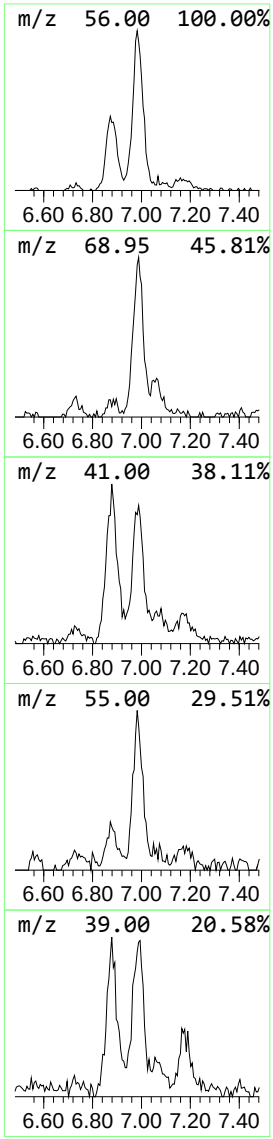
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Cyclic6.982 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.982	1.28 ug/L	53015	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	83
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	53
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
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ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

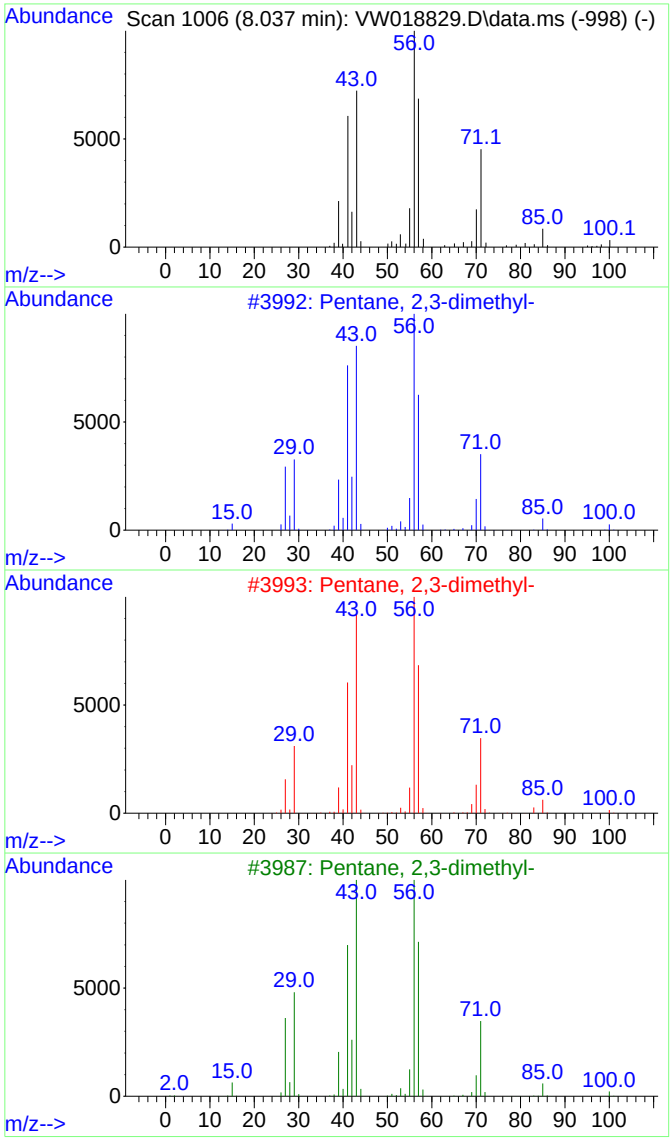
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

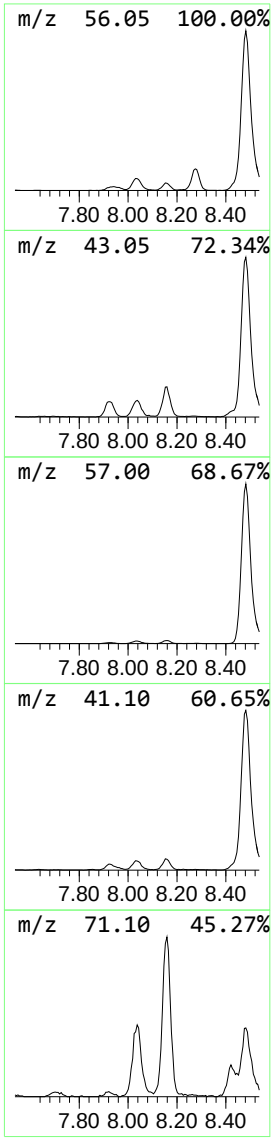
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.037	3.80 ug/L	157578	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	74
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
5	1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

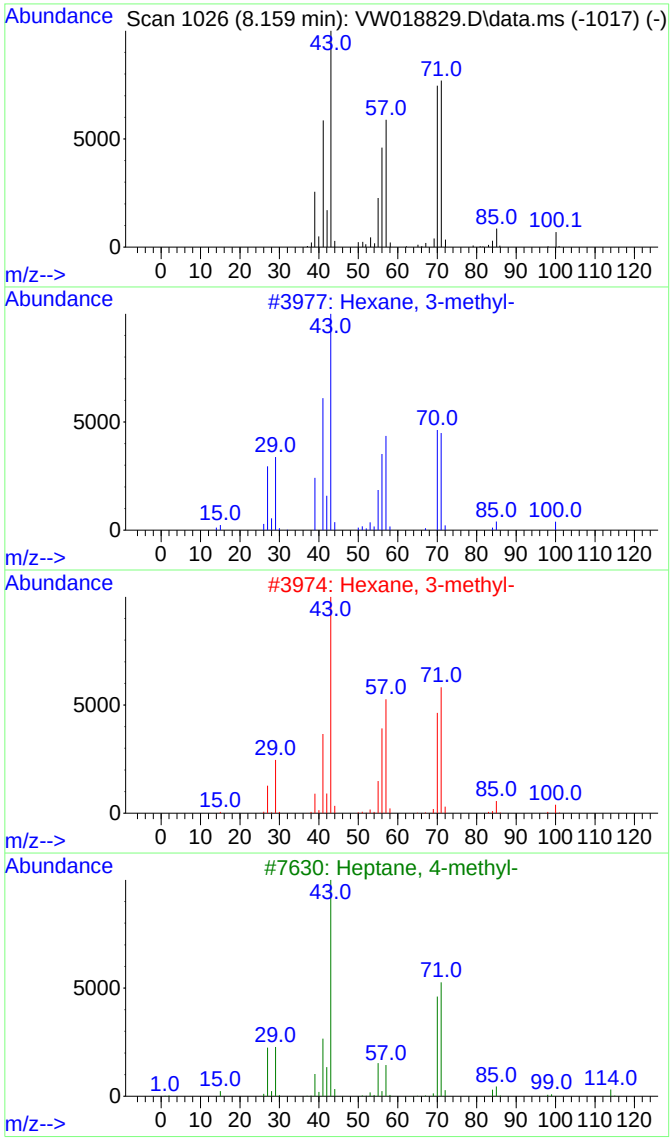
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

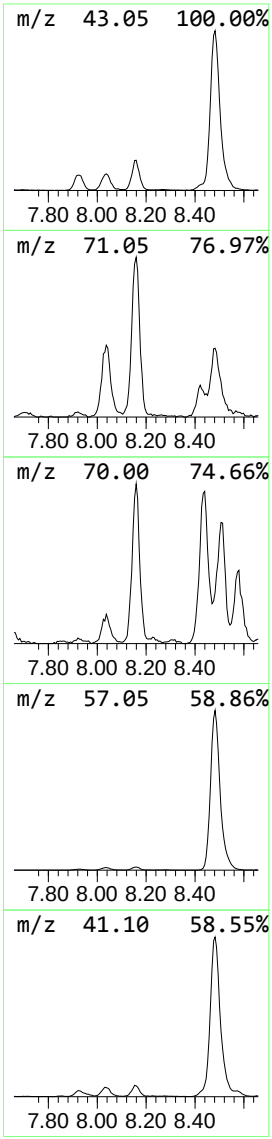
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.159	4.79 ug/L	198675	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	94
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
4	Propanoic acid, 2-methyl-, 2-met...	158	C9H18O2	002445-69-4	64
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	64





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Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

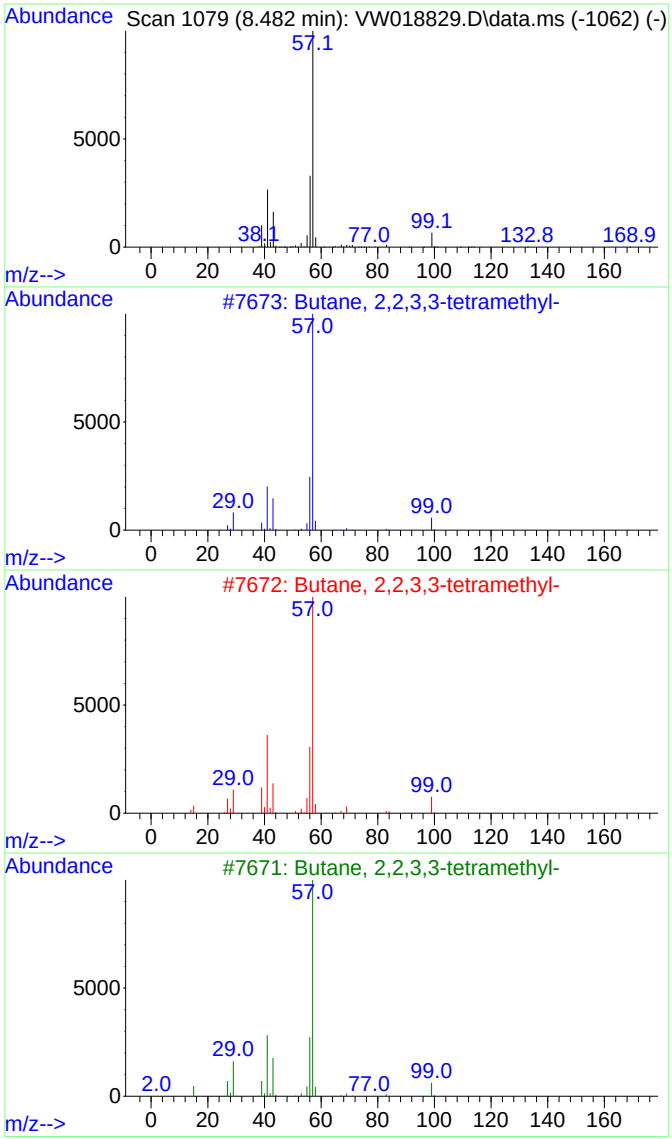
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

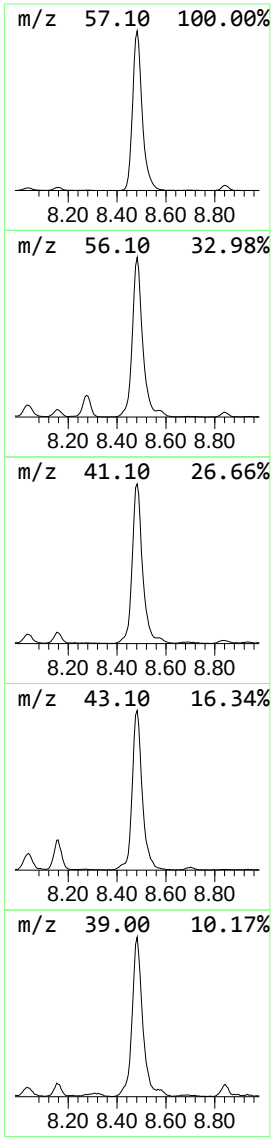
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.482	86.69 ug/L	3593660	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
4	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
5	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72





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Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

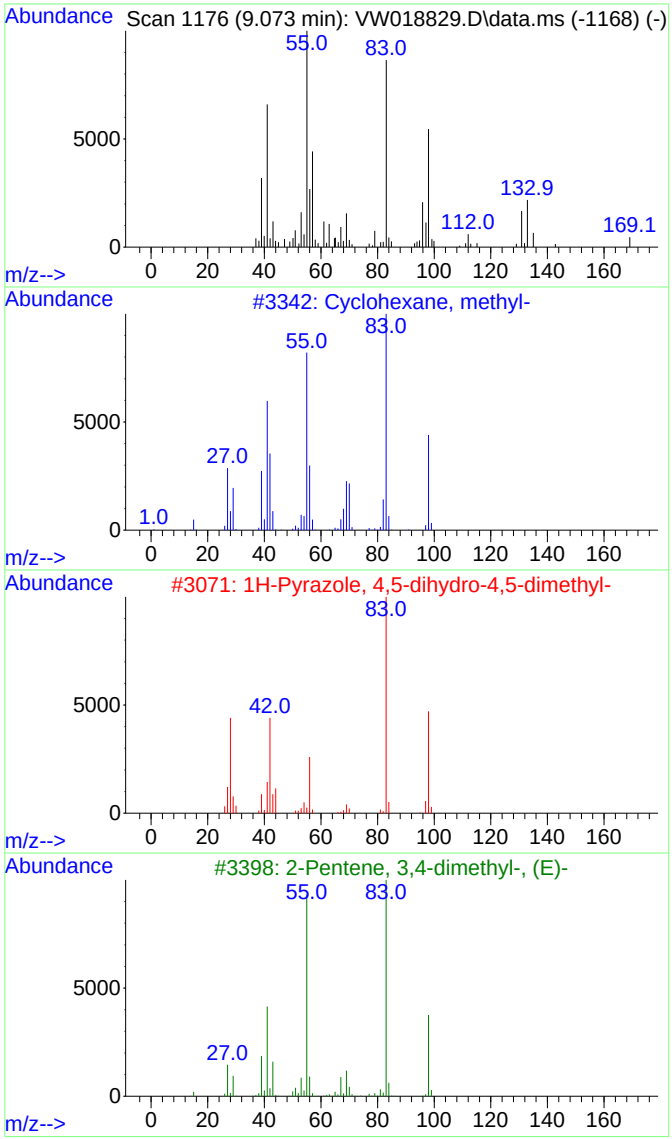
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

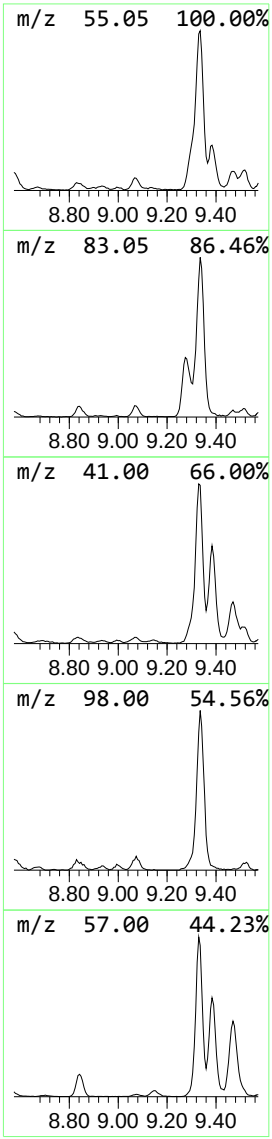
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic9.073 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.073	1.46 ug/L	60478	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	53
2	1H-Pyrazole, 4,5-dihydro-4,5-dim...	98	C5H10N2	028019-94-5	49
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	47
4	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	47
5	1,4-Pentadien-3-ol	84	C5H8O	000922-65-6	43





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Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

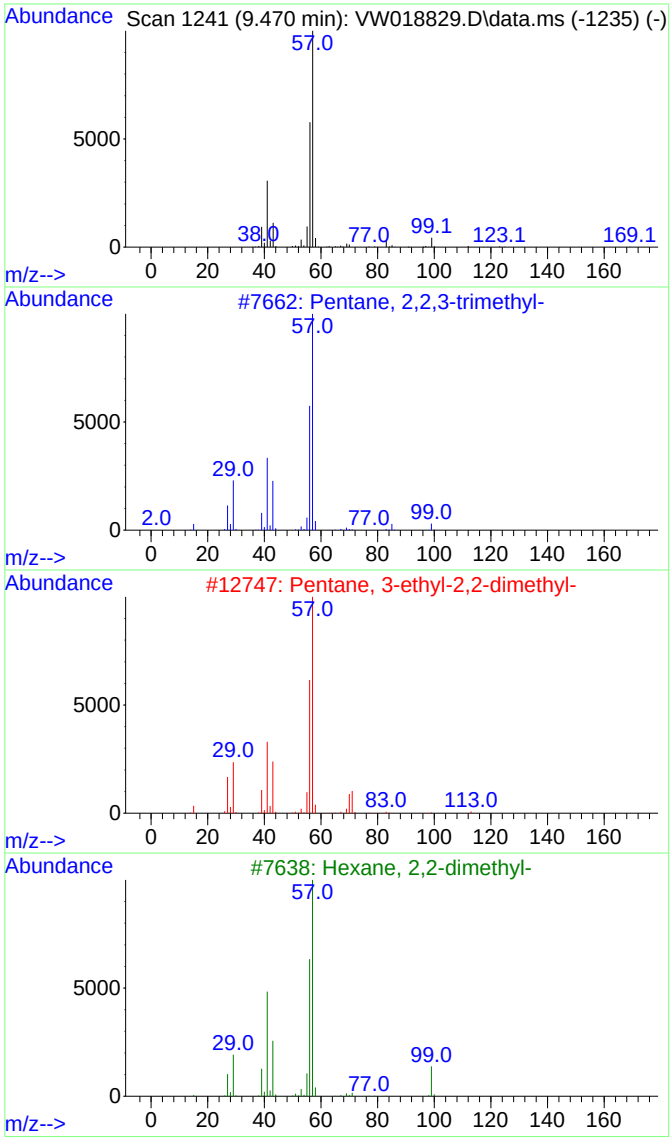
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

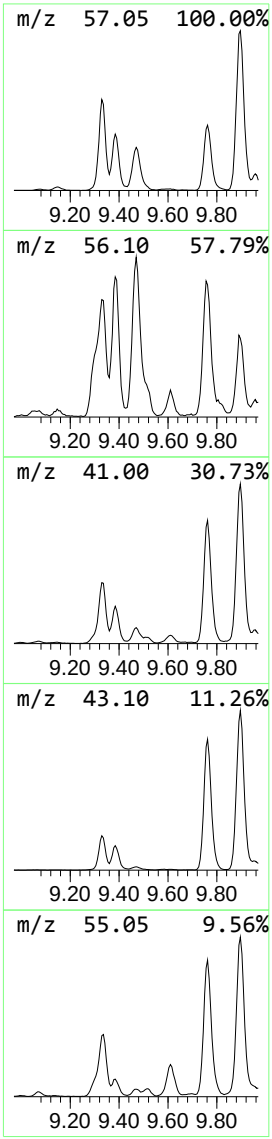
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.470	8.56 ug/L	355019	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	64
2	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	64
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	56
4	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	56
5	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

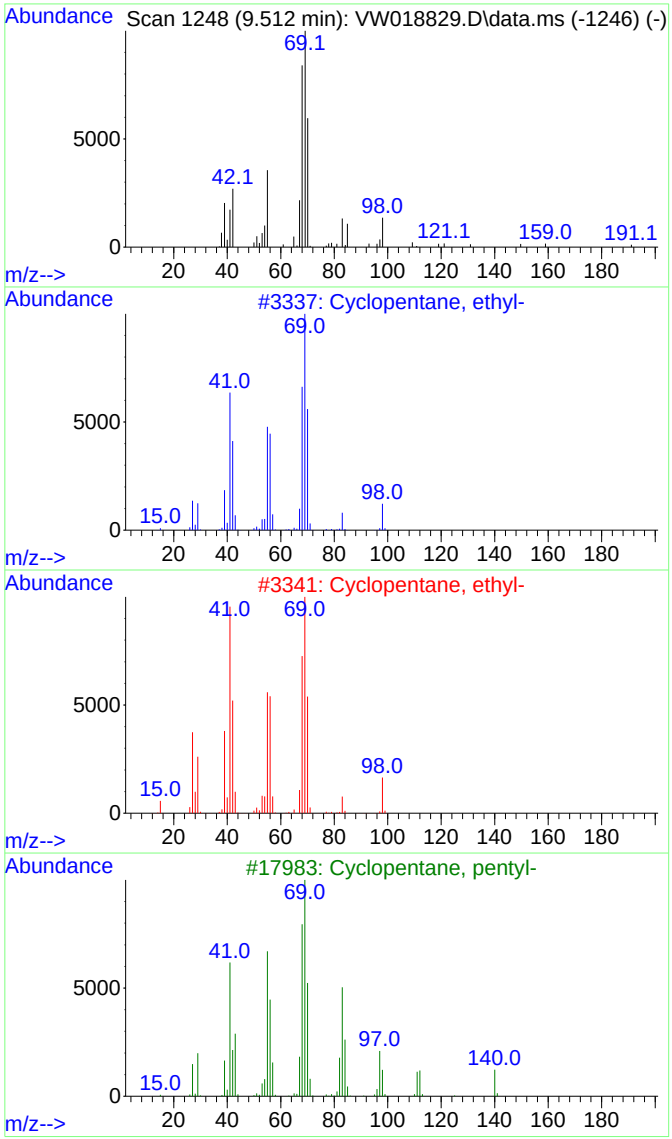
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

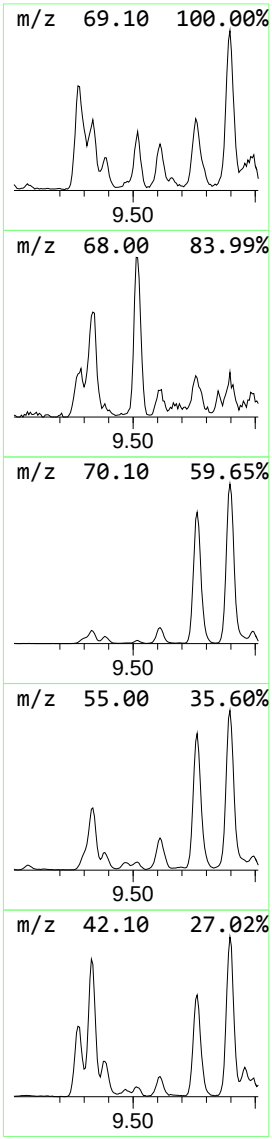
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Cyclic9.512 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.512	2.72 ug/L	112734	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	80
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	72
3	Cyclopentane, pentyl-	140	C10H20	003741-00-2	64
4	2-Pentanol, 1-(2-methylenecyclop...	154	C10H18O	1000161-07-7	50
5	Cyclopentane, hexyl-	154	C11H22	004457-00-5	39





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

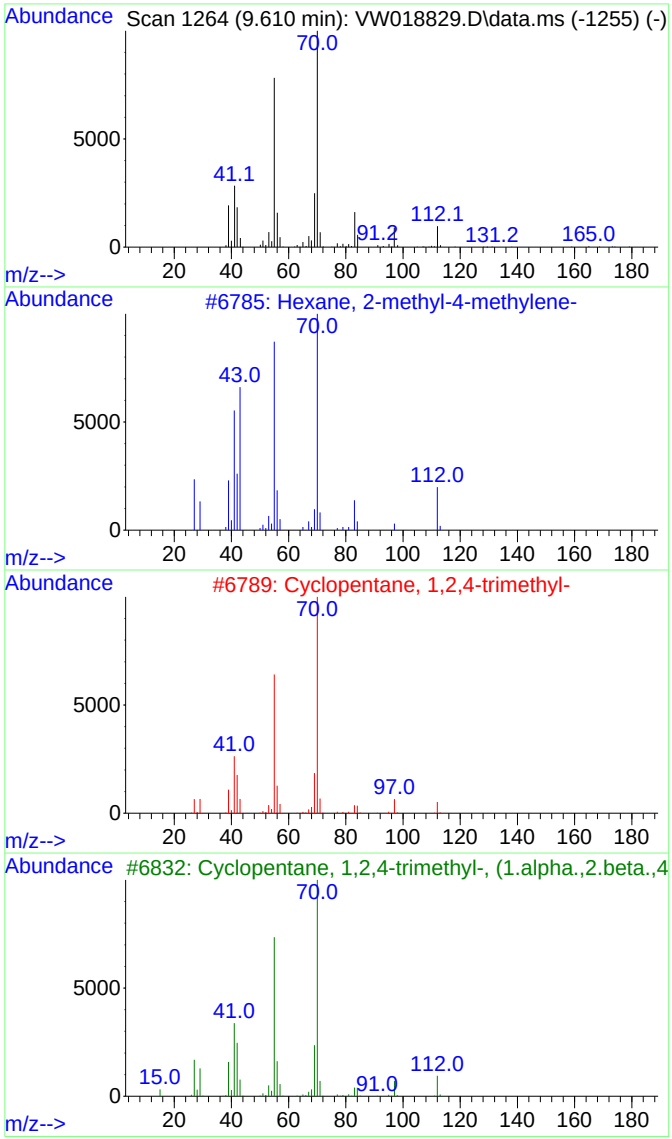
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

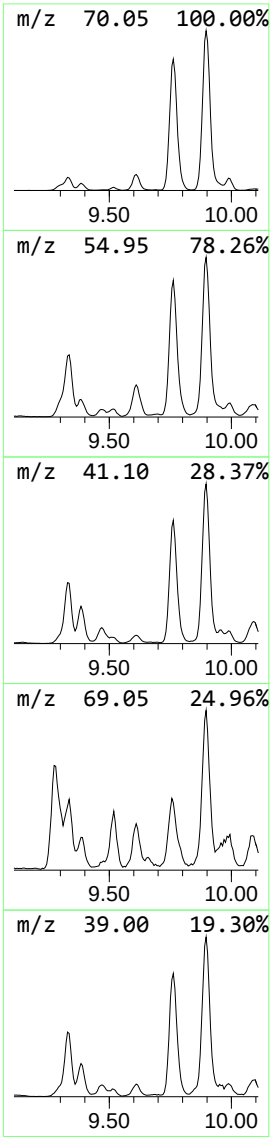
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.610	7.51 ug/L	311391	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	91
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	90
4	2-Heptene, 3-methyl-	112	C8H16	003404-75-9	86
5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

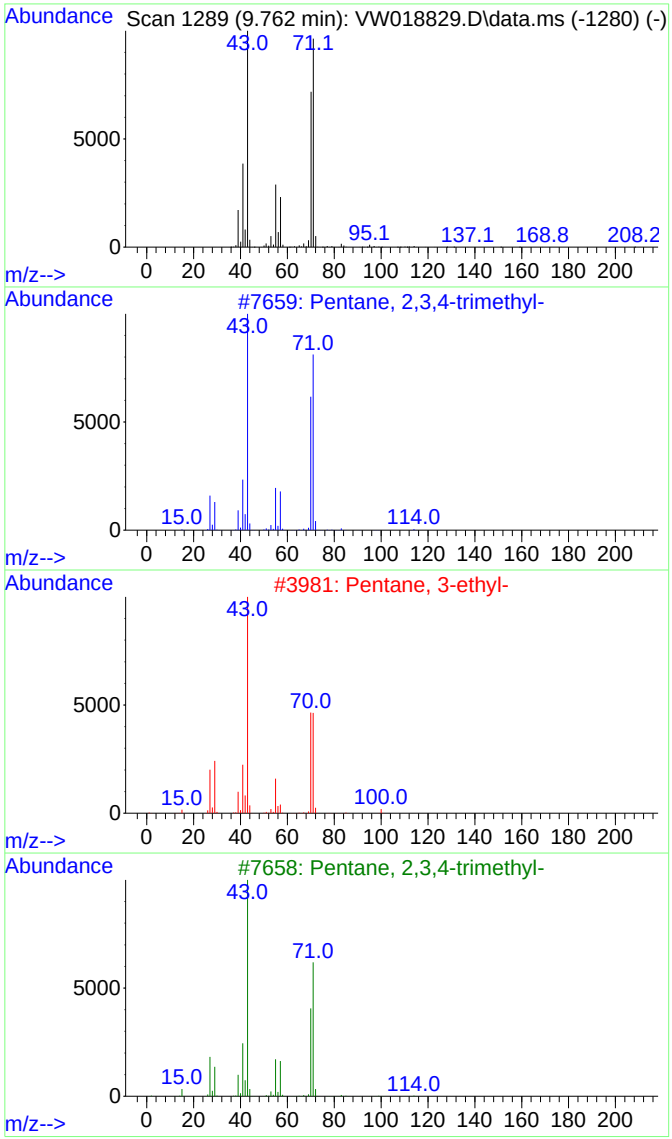
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

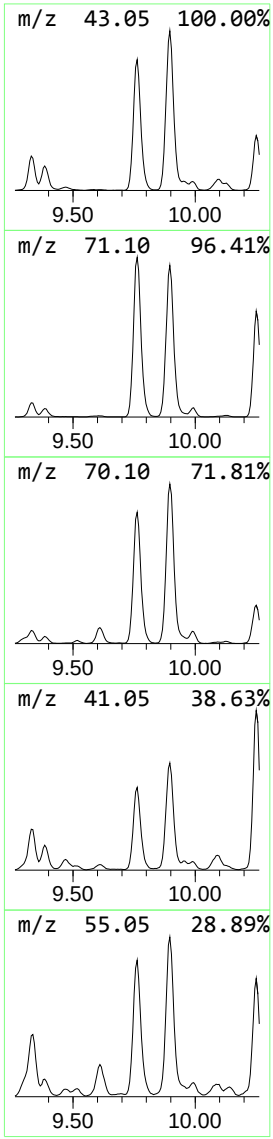
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.762	88.94 ug/L	3687160	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	80
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	80
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

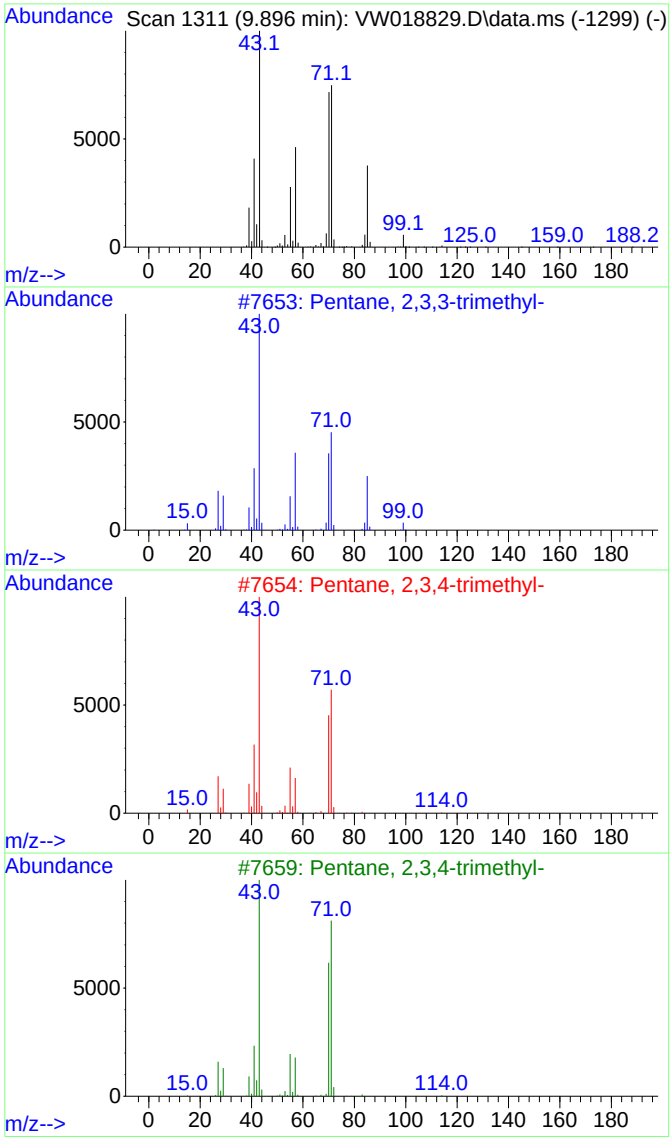
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

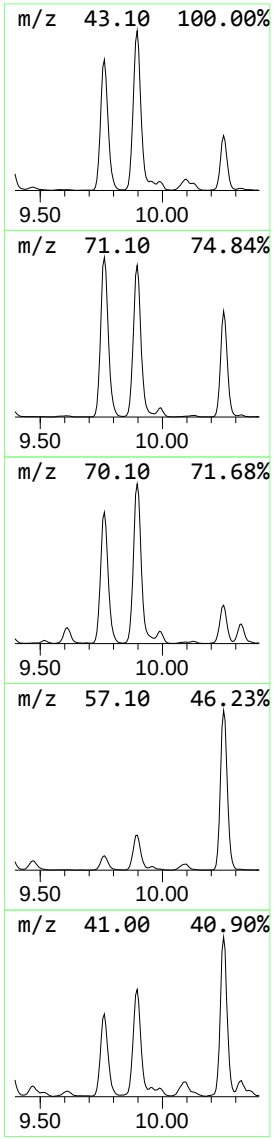
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.896	125.25 ug/L	5192350	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	80
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	80
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

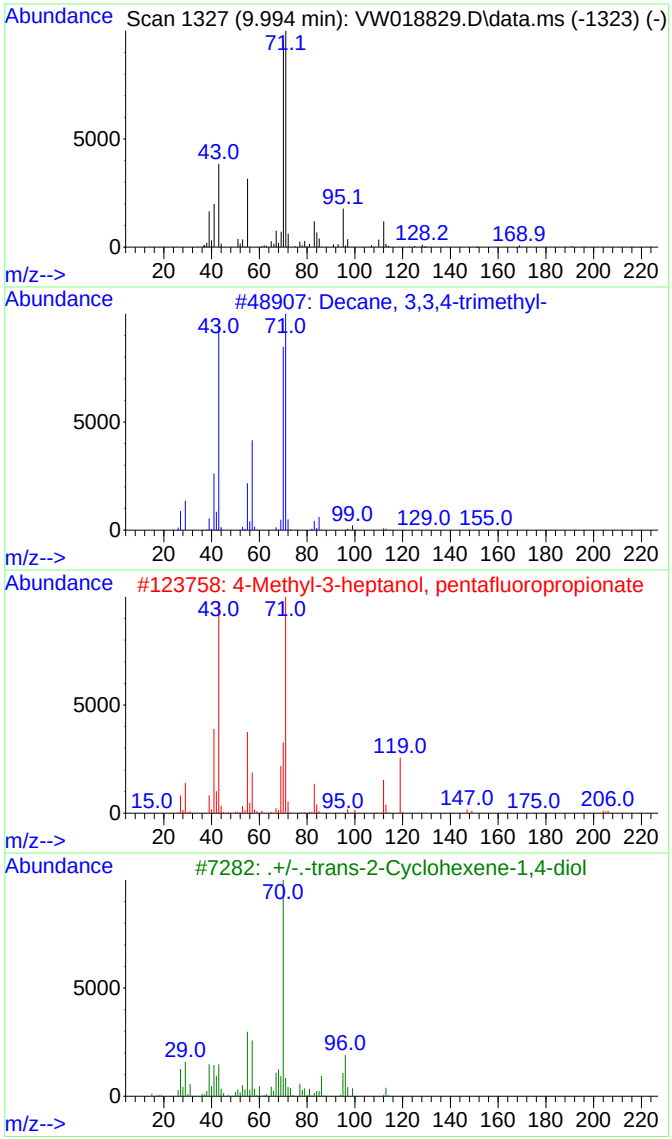
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

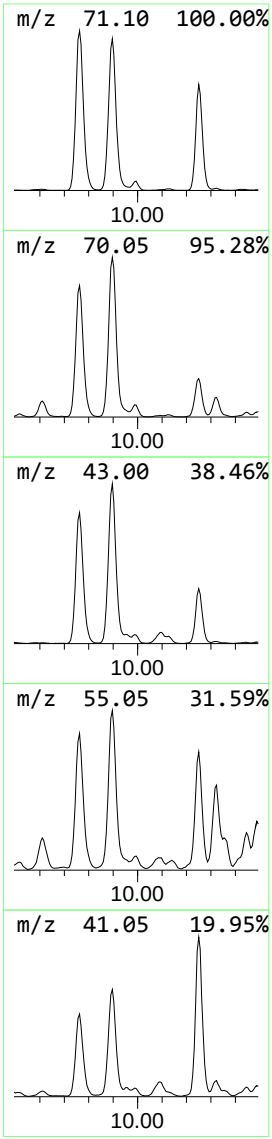
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.994	3.20 ug/L	132598	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	50
2	4-Methyl-3-heptanol, pentafluoro...	276	C11H17F5O2	1000365-51-7	38
3	.+/-.-trans-2-Cyclohexene-1,4-diol	114	C6H10O2	041513-32-0	35
4	Tetrahydrofuran, 2-propyl-	114	C7H14O	003208-22-8	35
5	2,2,4-Trimethyl-1,3-pentanediol ...	286	C16H30O4	006846-50-0	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

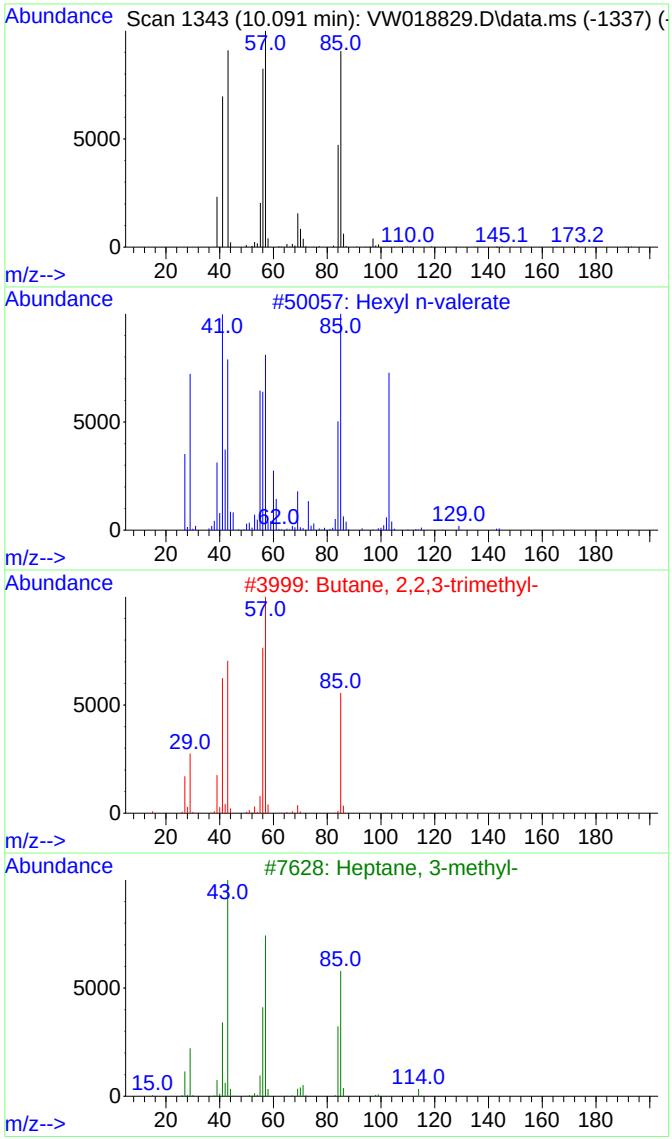
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

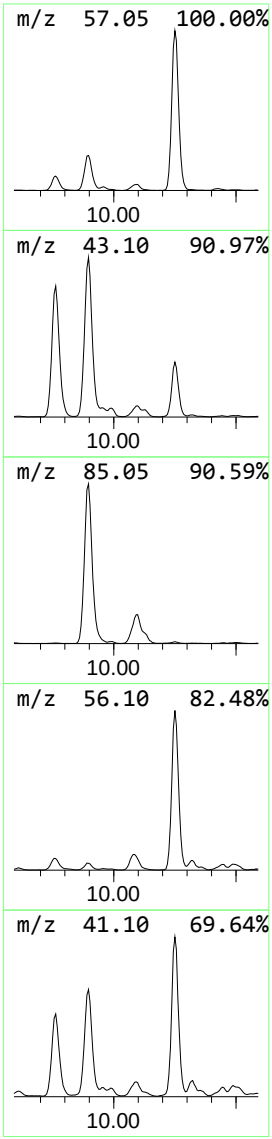
****

Peak Number 15 Hexyl n-valerate Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.091	17.48 ug/L	724423	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexyl n-valerate	186	C11H22O2	001117-59-5	72
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
3	Heptane, 3-methyl-	114	C8H18	000589-81-1	45
4	Sulfurous acid, hexyl octyl ester	278	C14H30O3S	1000309-13-0	43
5	Sulfurous acid, butyl isohexyl e...	222	C10H22O3S	1000309-17-2	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587

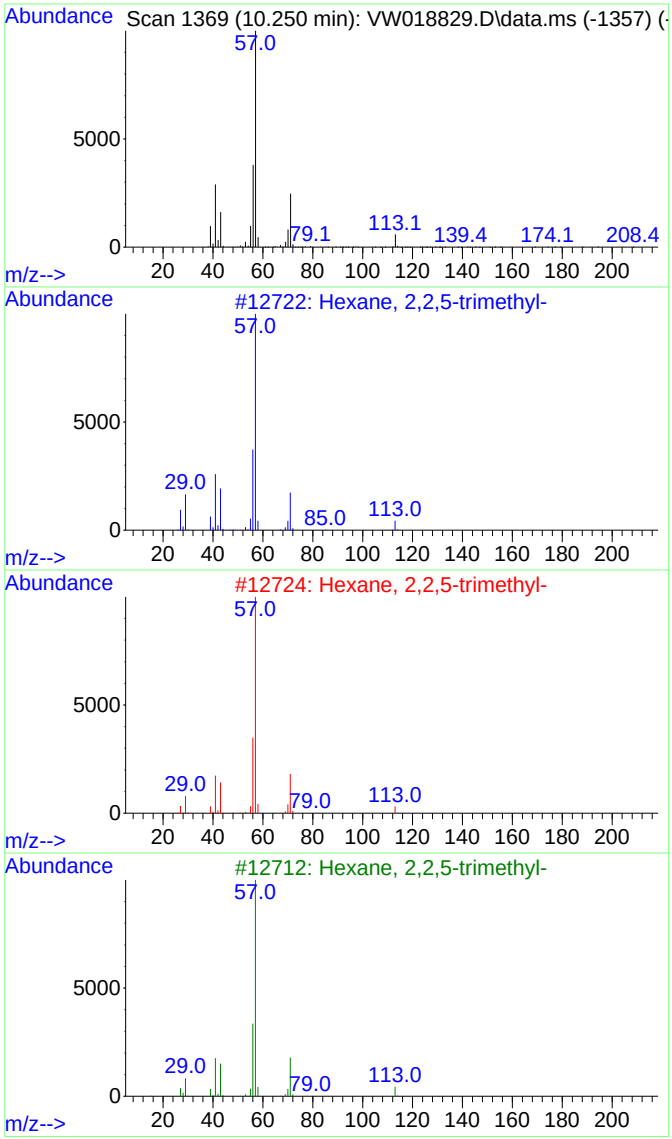
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

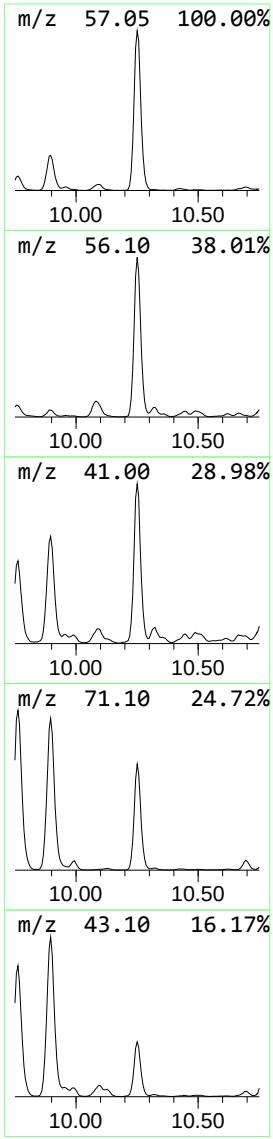
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.250	38.00 ug/L	5388750	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	83
2	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	78
3	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	78
4	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	64
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

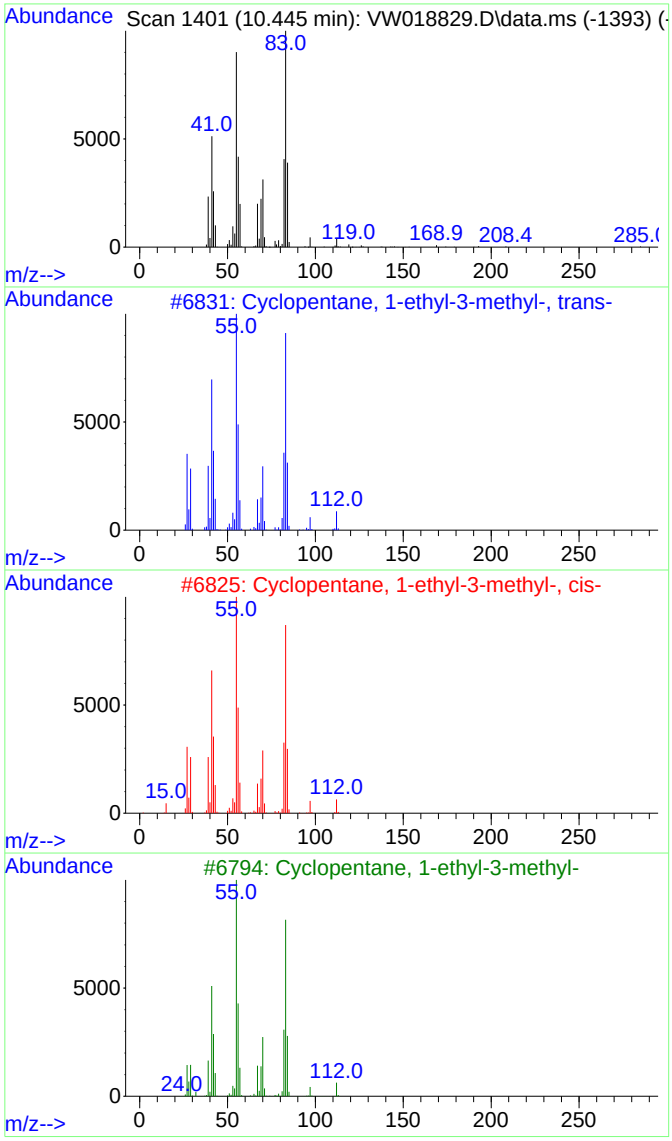
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

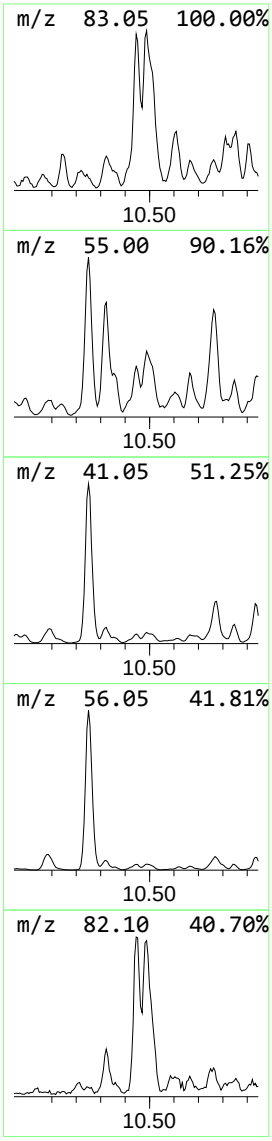
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Cyclic10.445 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.445	2.23 ug/L	316223	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	87
2	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	80
3	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	49
4	3-Ethylcyclopentanone	112	C7H12O	010264-55-8	47
5	5-Methyl-1-heptanol	130	C8H18O	007212-53-5	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

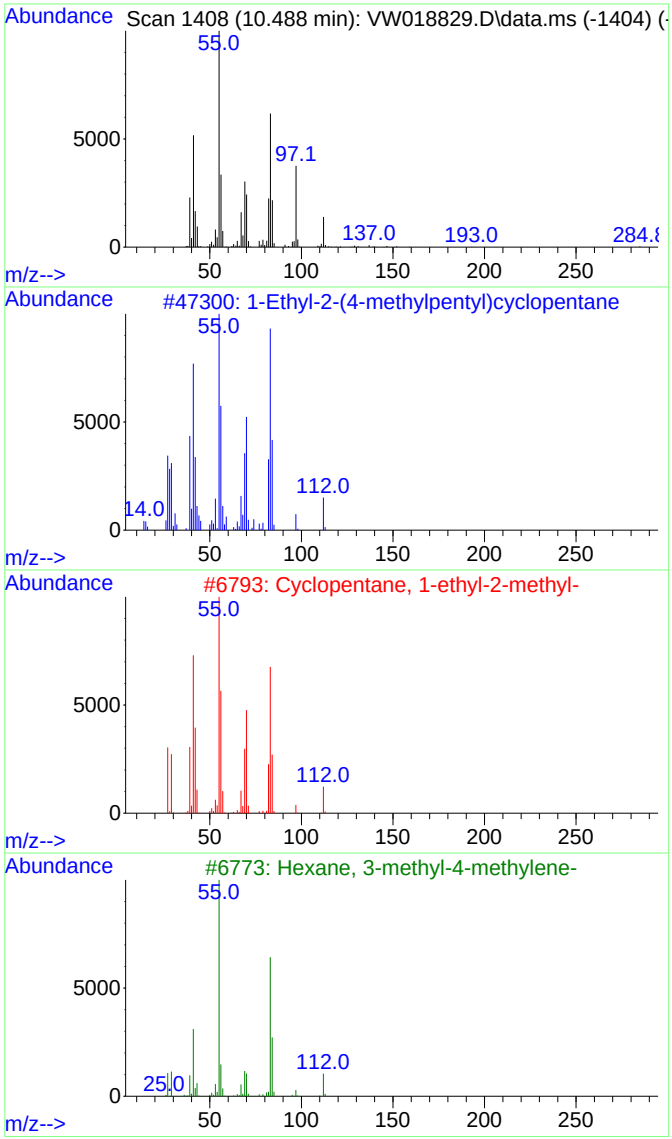
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

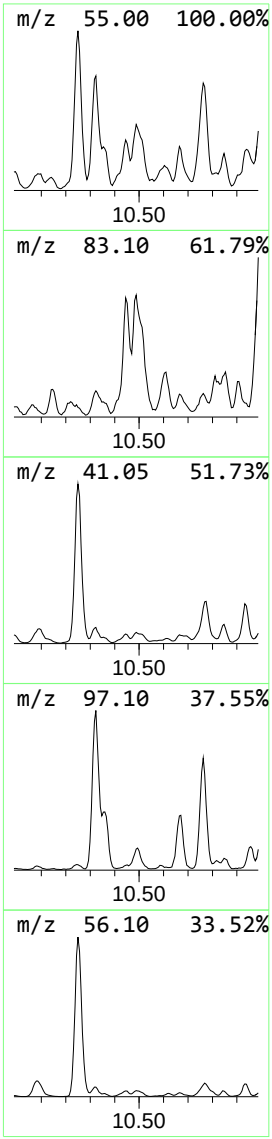
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.488	1.56 ug/L	220524	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-2-(4-methylpentyl)cyclop...	182	C13H26	219726-60-0	72
2	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	52
3	Hexane, 3-methyl-4-methylene-	112	C8H16	003404-67-9	49
4	3-Ethyl-4-methyl-2-pentene	112	C8H16	019780-68-8	43
5	Pyridine, 2,3,4,5-tetrahydro-	83	C5H9N	000505-18-0	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

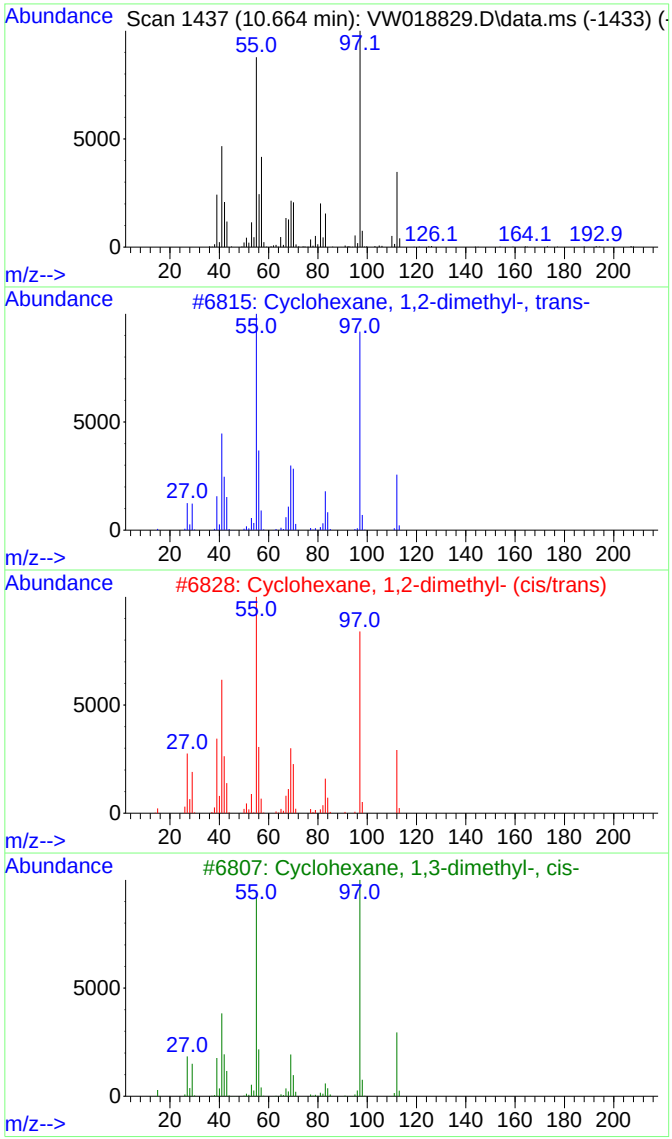
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

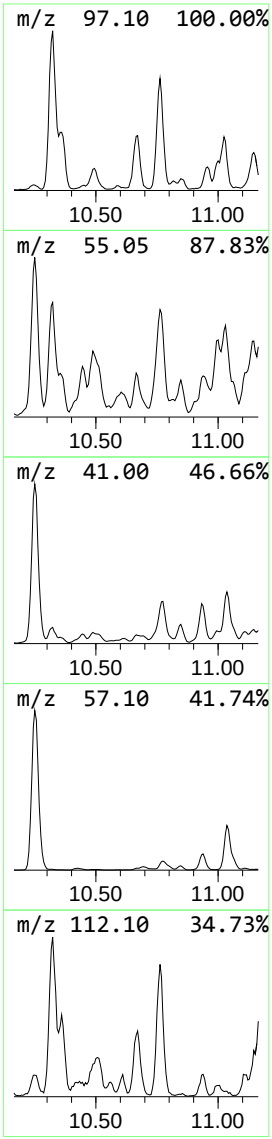
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Cyclic10.665 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.665	1.76 ug/L	249217	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- (cis/...	112	C8H16	000583-57-3	90
3	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	90





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Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587

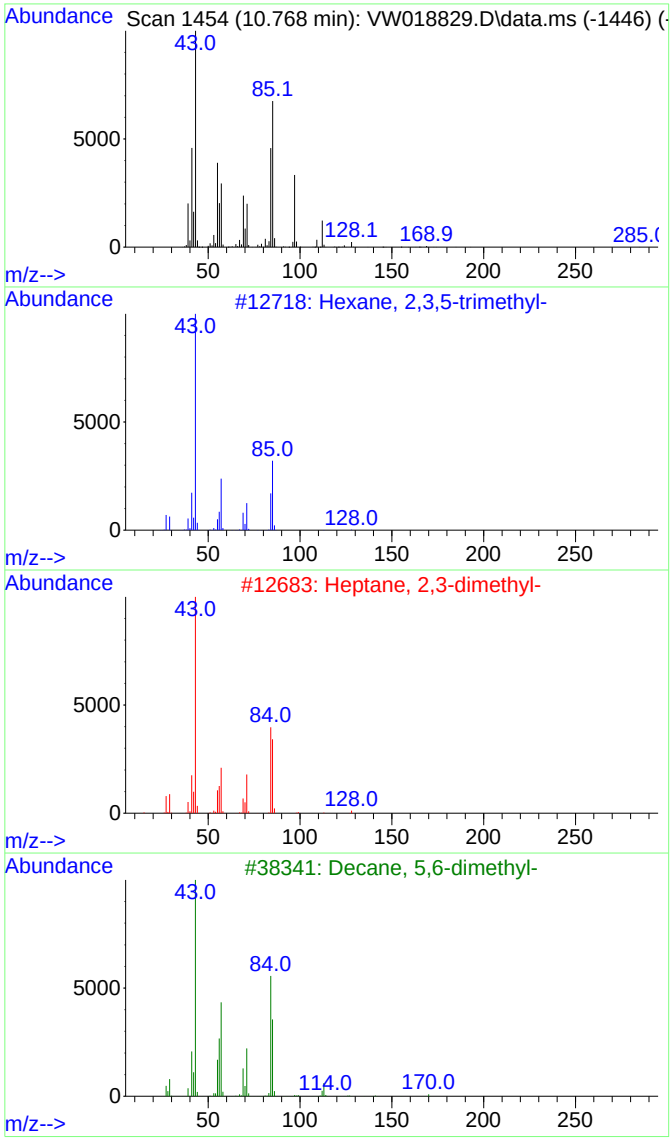
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

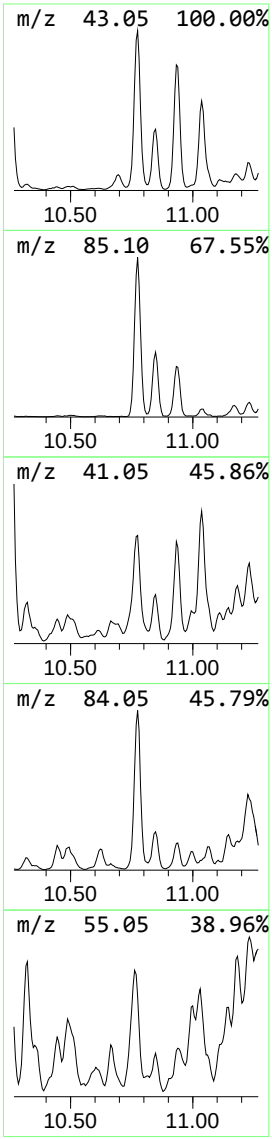
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.768	12.39 ug/L	1757520	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	53
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	52
3	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	50
4	1-Octene, 4-methyl-	126	C9H18	013151-12-7	50
5	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

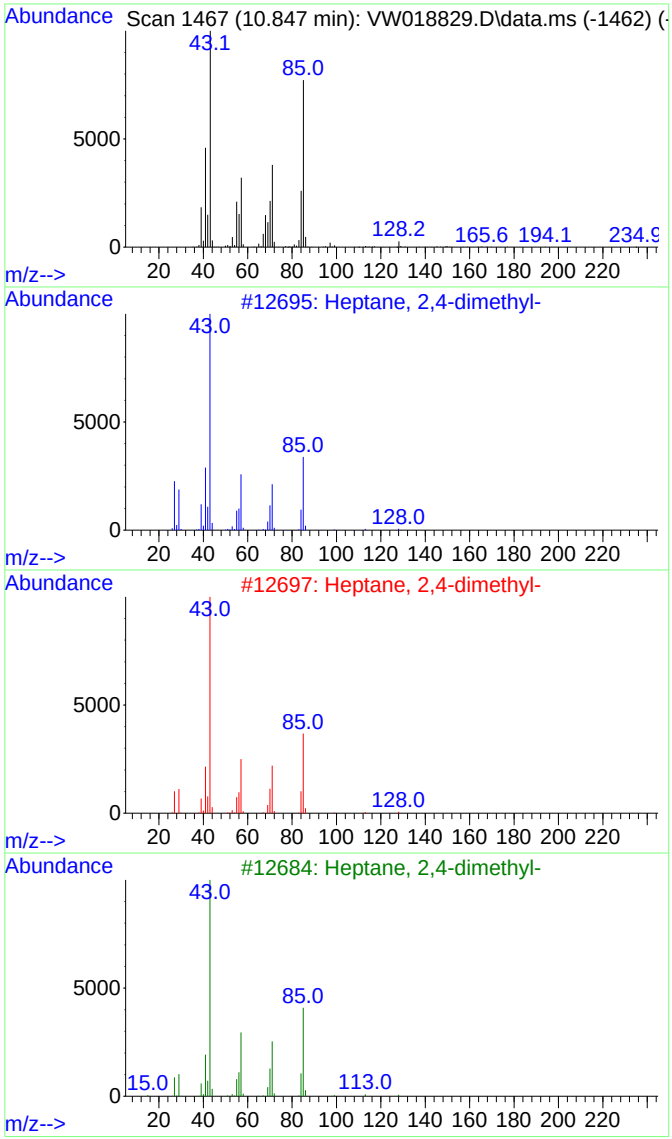
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

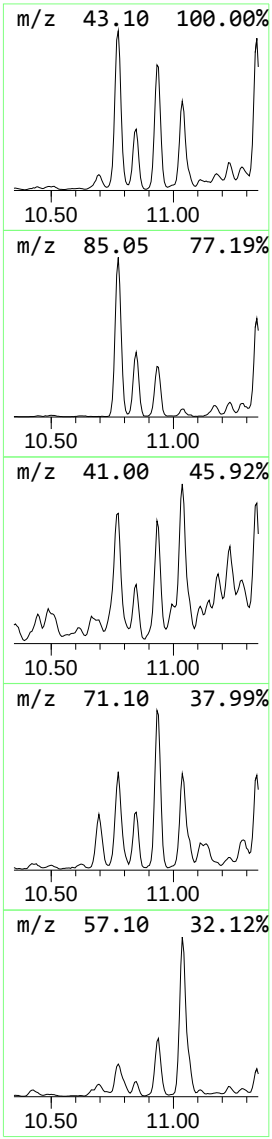
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.847	4.50 ug/L	638035	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	90
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	90
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	83
4	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	59
5	Tridecane, 5-methyl-	198	C14H30	025117-31-1	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587

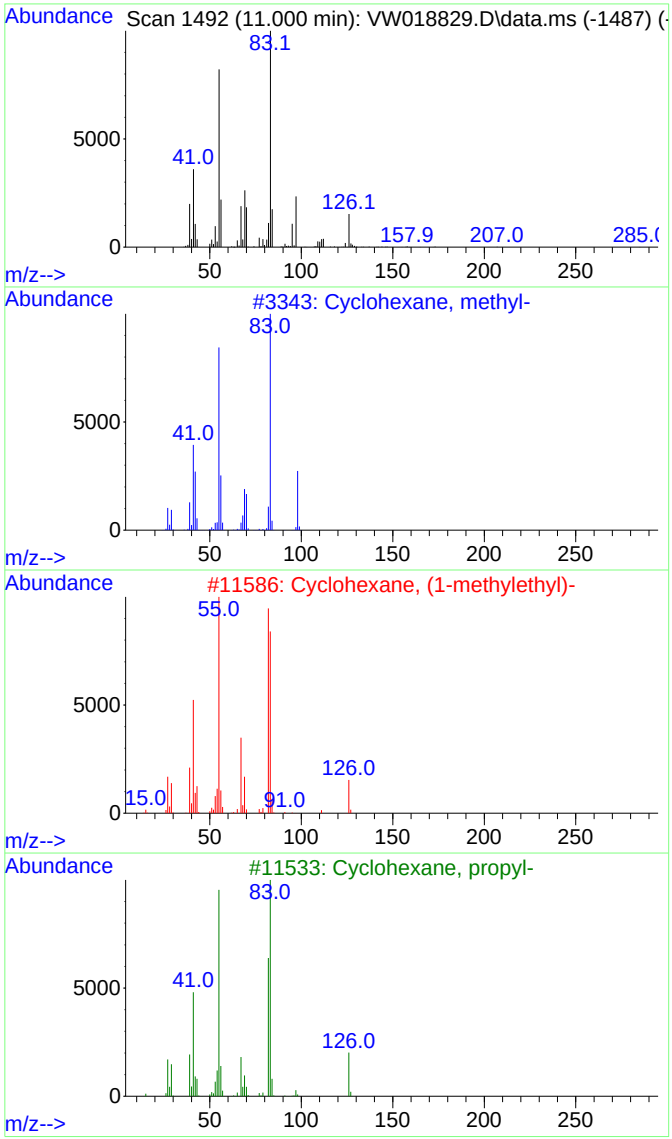
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

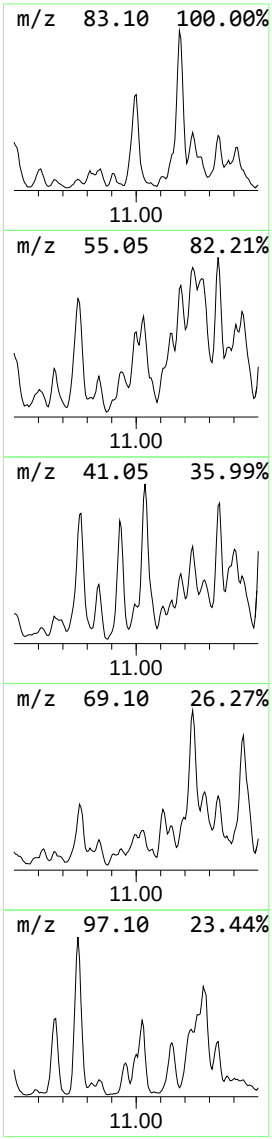
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Cyclic11.000 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.000	1.82 ug/L	257623	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	53
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	50
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	50
4	E-2-Octenyl tiglate	210	C13H22O2	084271-97-6	50
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

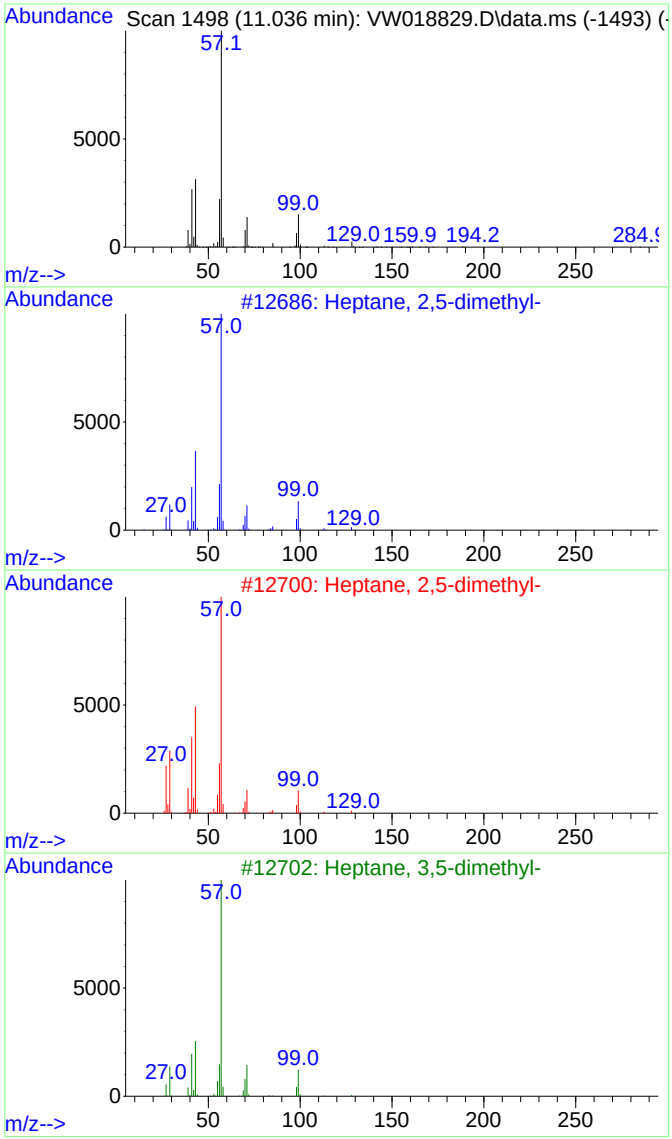
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

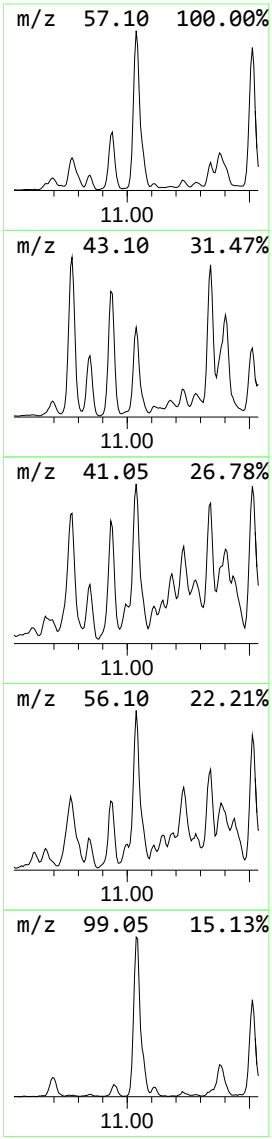
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.036	12.01 ug/L	1702250	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	87
4	Octane, 3-methyl-	128	C9H20	002216-33-3	86
5	Octane, 3-methyl-	128	C9H20	002216-33-3	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587

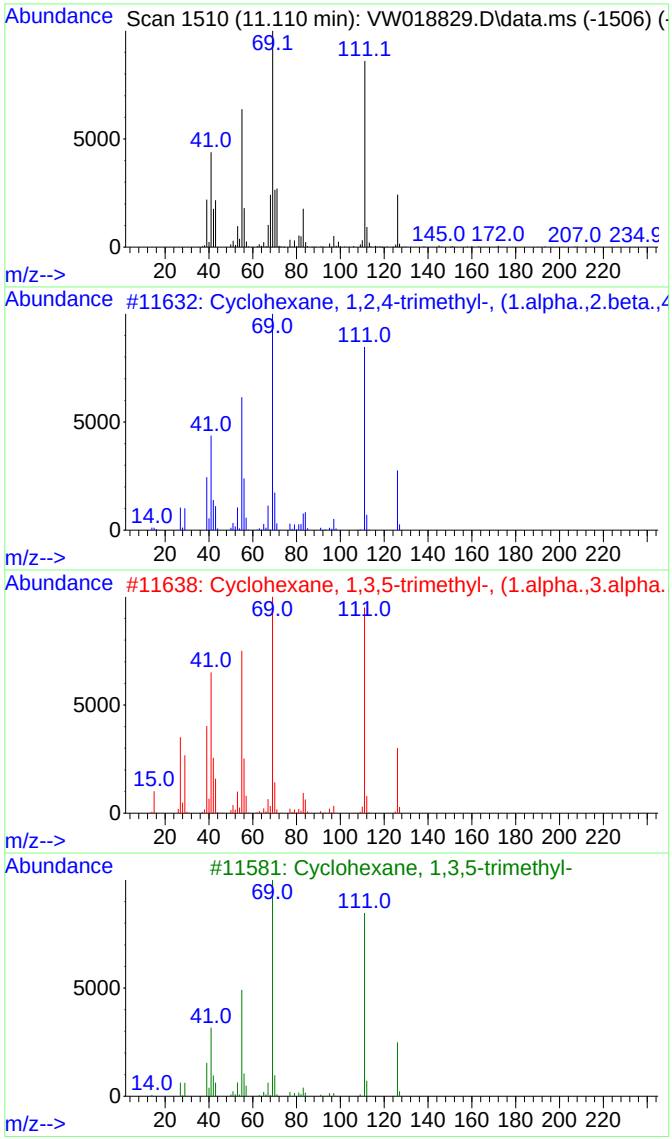
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

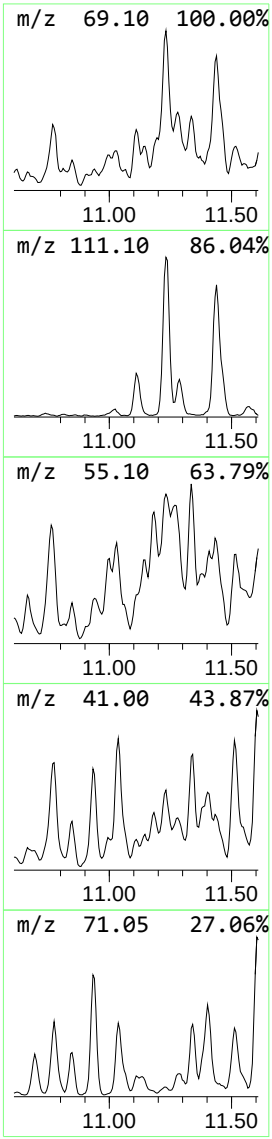
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Cyclic11.110 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.110	1.89 ug/L	268146	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	76
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	76
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	70
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

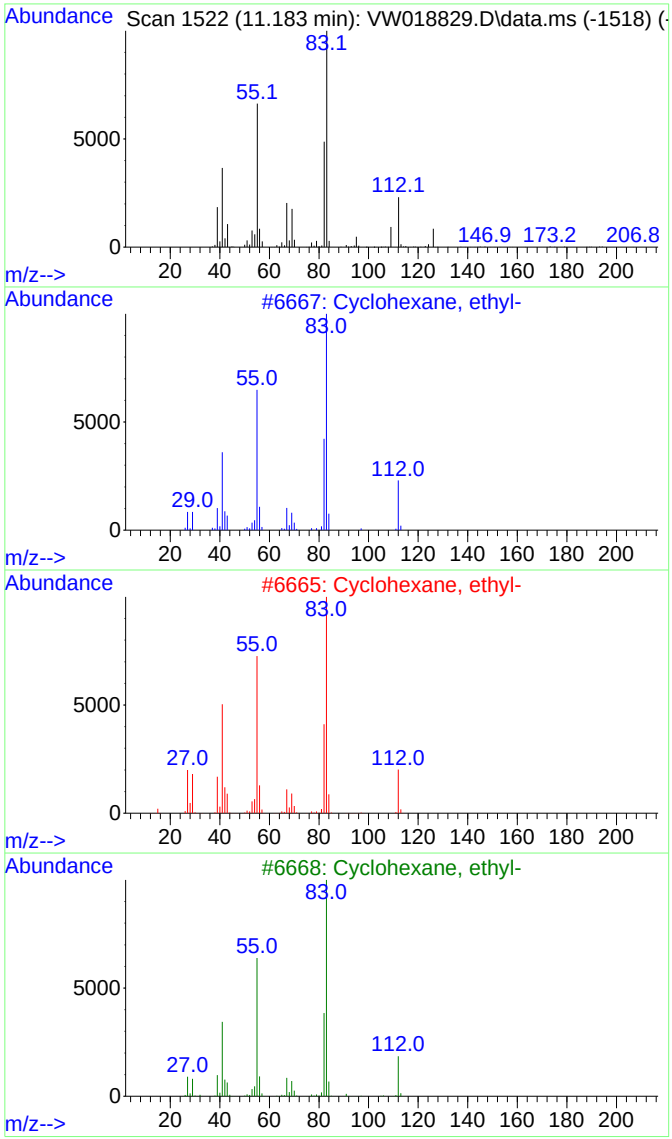
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

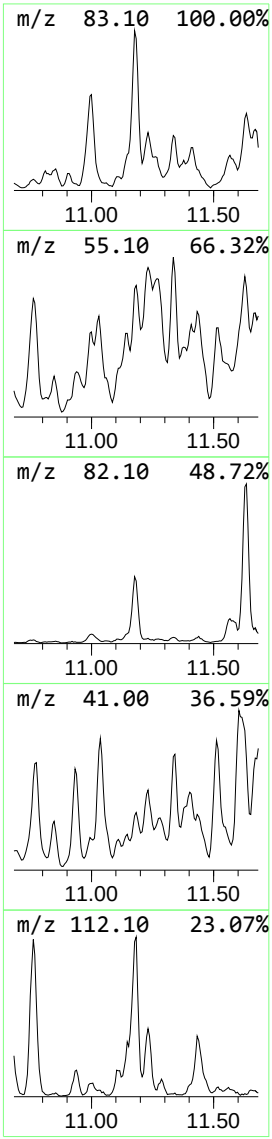
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Cyclic11.183 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.183	2.55 ug/L	362090	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

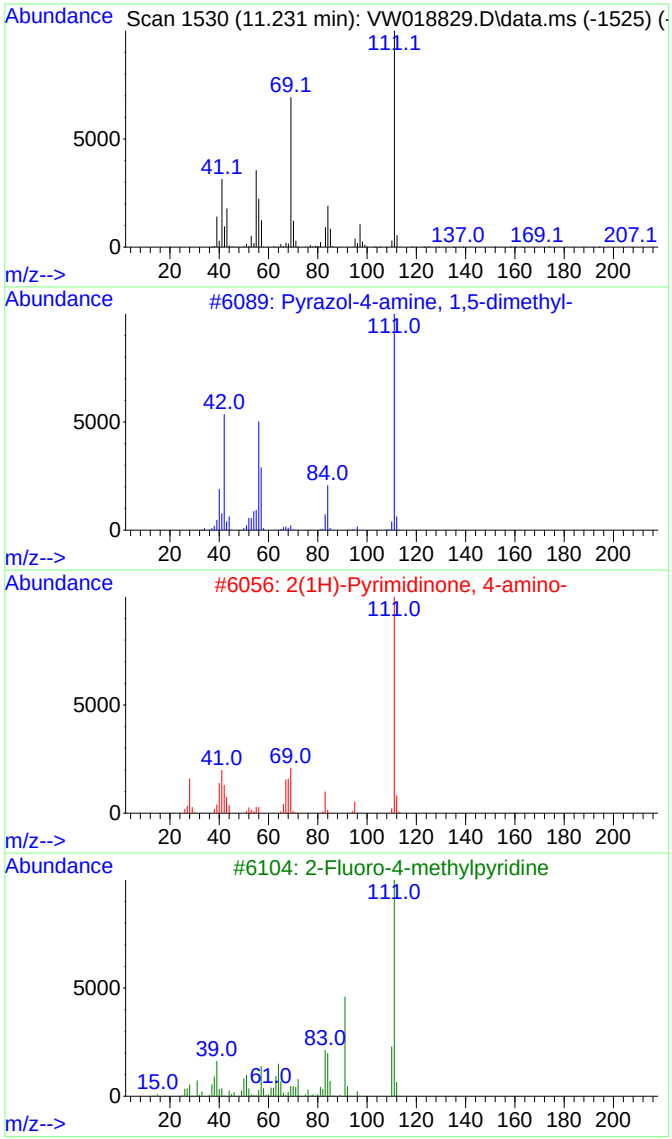
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

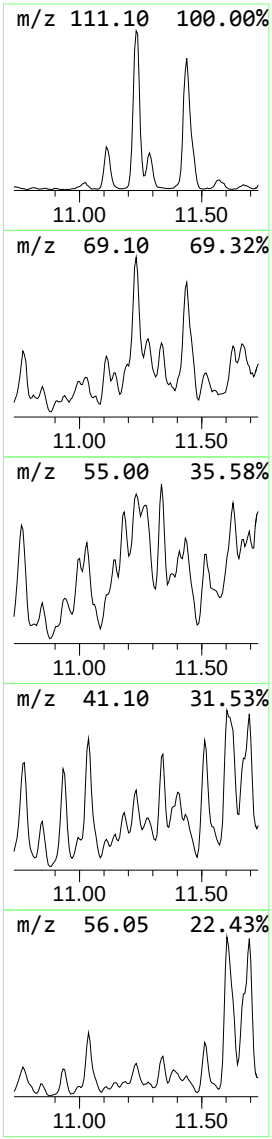
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Pyrazol-4-amine, 1,5-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.232	6.24 ug/L	884492	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrazol-4-amine, 1,5-dimethyl-	111	C5H9N3	121983-36-6	64
2	2(1H)-Pyrimidinone, 4-amino-	111	C4H5N3O	000071-30-7	50
3	2-Fluoro-4-methylpyridine	111	C6H6FN	401815-98-3	47
4	2-Fluoro-3-methylpyridine	111	C6H6FN	017282-04-1	47
5	2-Fluoro-5-methylpyridine	111	C6H6FN	002369-19-9	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587

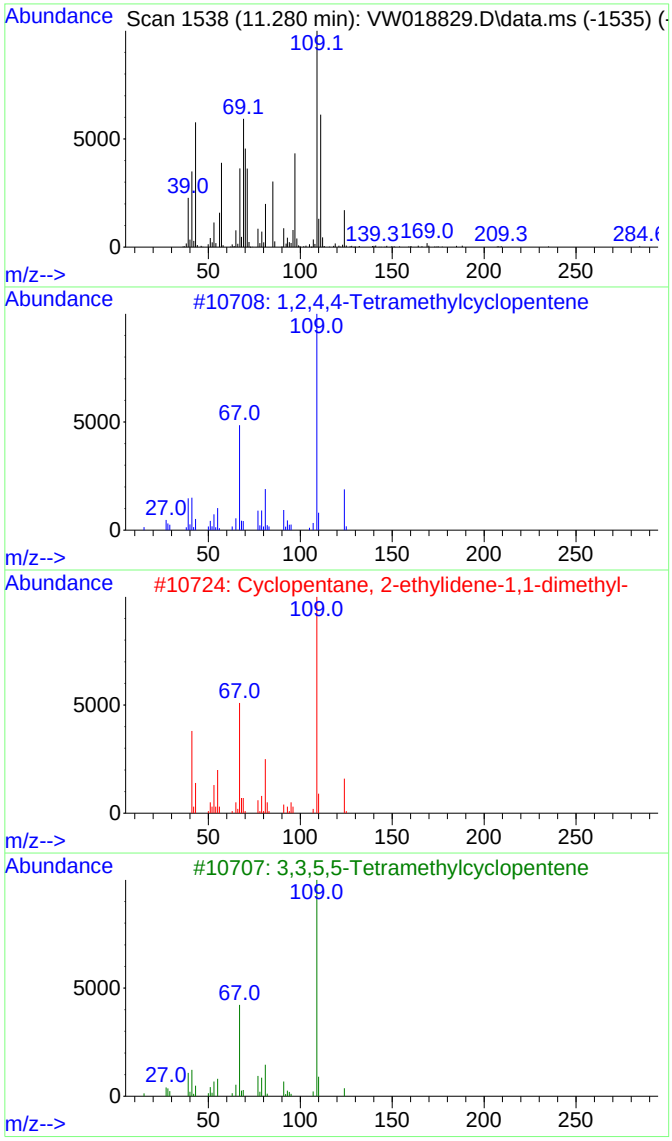
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

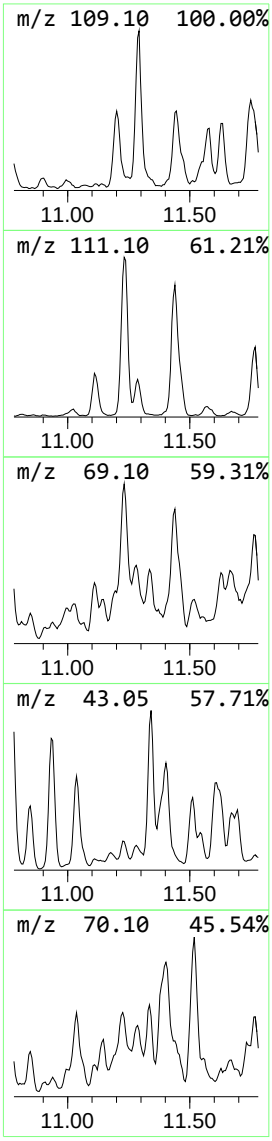
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 1,2,4,4-Tetramethylcyclopen... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.280	2.81 ug/L	398226	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,4-Tetramethylcyclopentene	124	C9H16	065378-76-9	83
2	Cyclopentane, 2-ethylidene-1,1-d...	124	C9H16	056324-66-4	38
3	3,3,5,5-Tetramethylcyclopentene	124	C9H16	038667-10-6	27
4	2,4,4,7-Tetramethyl-octa-5,7-die...	180	C12H20O	1000190-70-6	25
5	6,6-Dimethylhepta-2,4-diene	124	C9H16	1000195-03-3	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

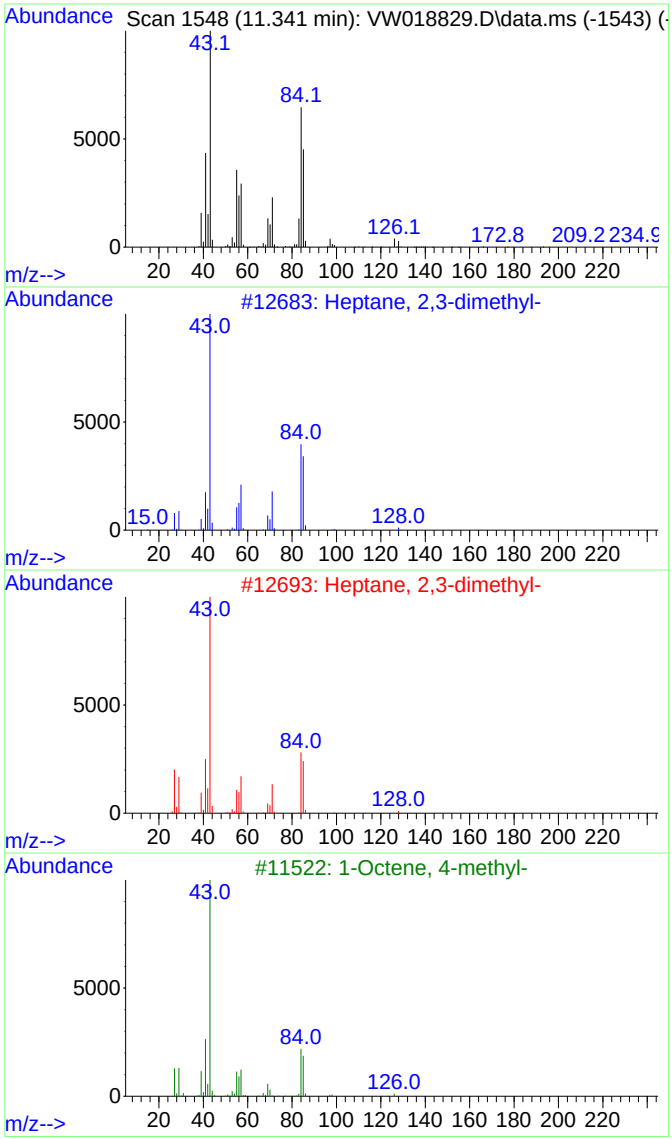
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

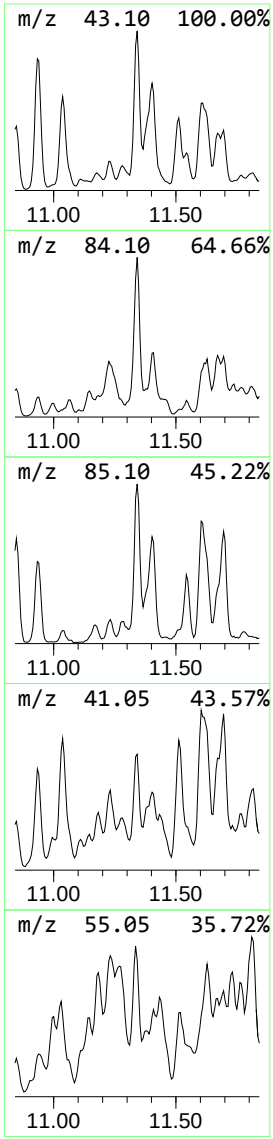
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.341	7.30 ug/L	1034950	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	76
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	68
3	1-Octene, 4-methyl-	126	C9H18	013151-12-7	62
4	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	53
5	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

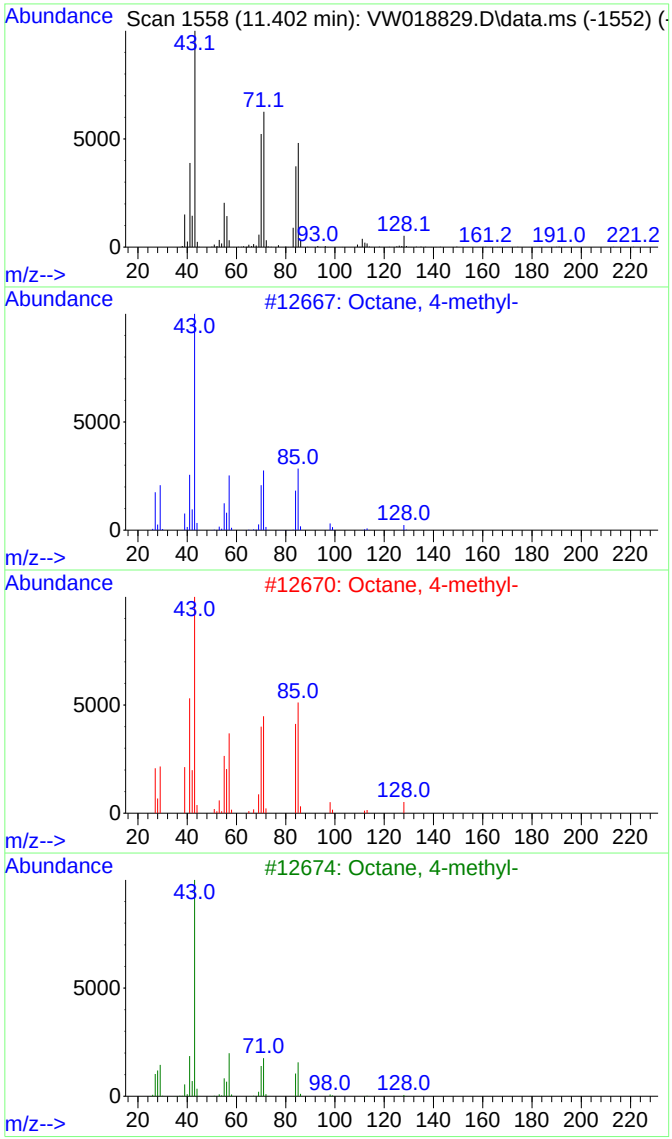
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

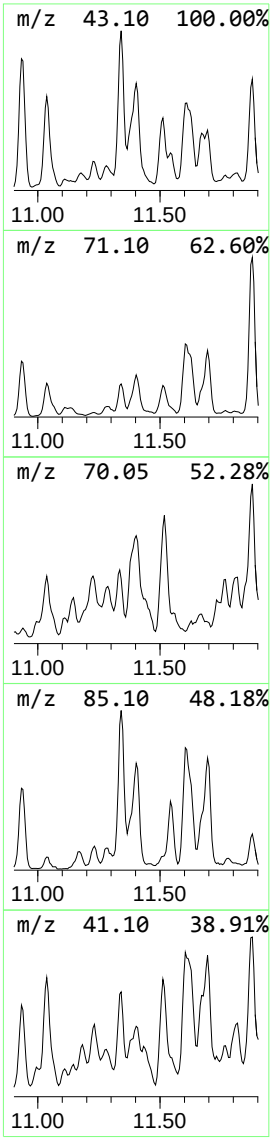
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.402	4.51 ug/L	640063	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	72
2	Octane, 4-methyl-	128	C9H20	002216-34-4	68
3	Octane, 4-methyl-	128	C9H20	002216-34-4	64
4	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

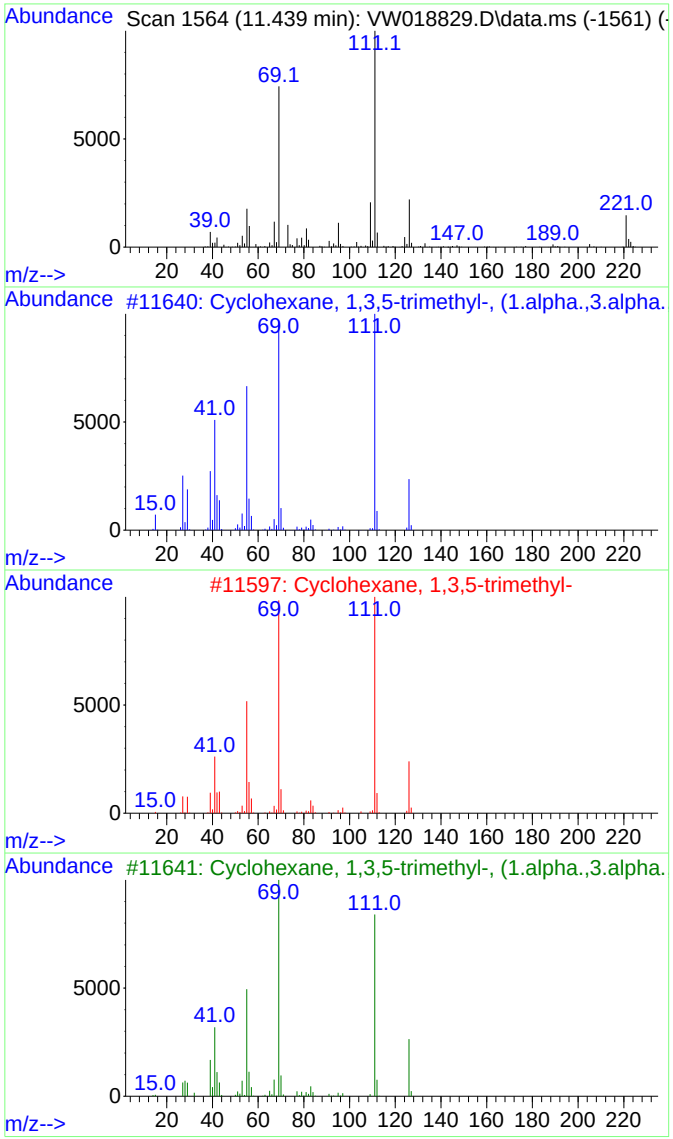
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

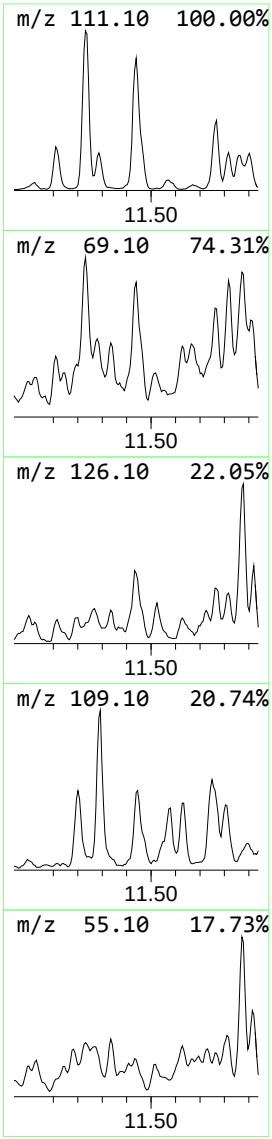
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (DEL) Alkane: Cyclic11.439 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.439	6.64 ug/L	942013	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	64
2	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	59
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	59
5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

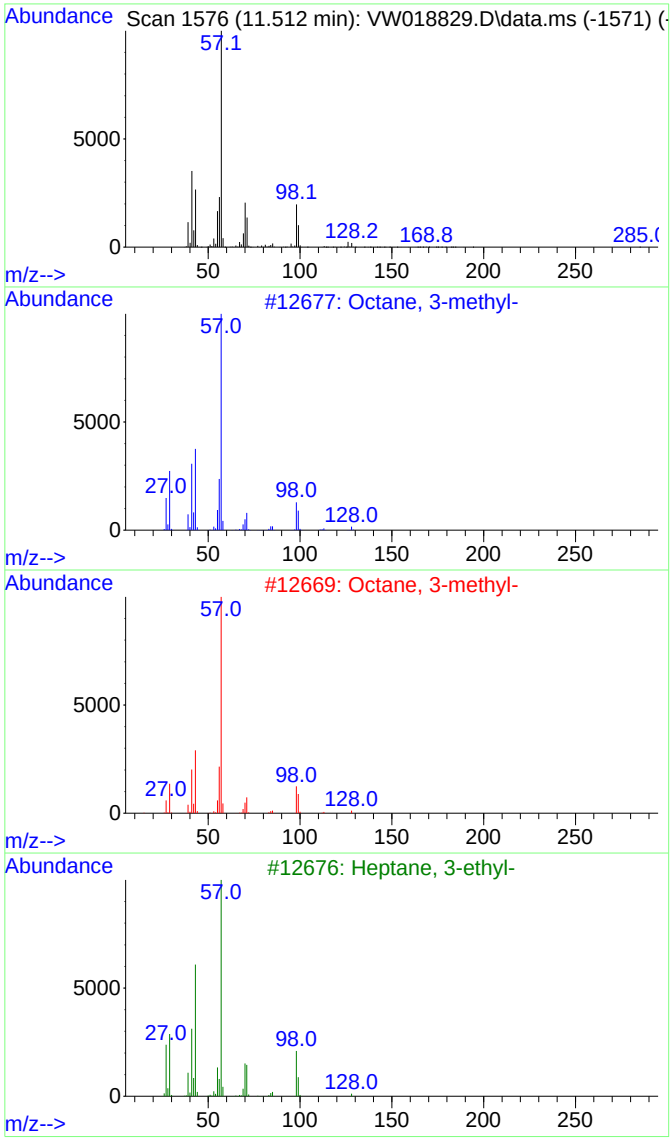
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

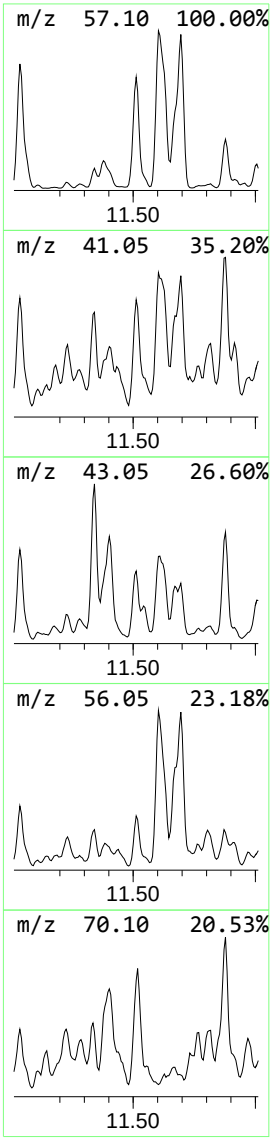
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	13.04 ug/L	1849490	Chlorobenzene-d5	11.634

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

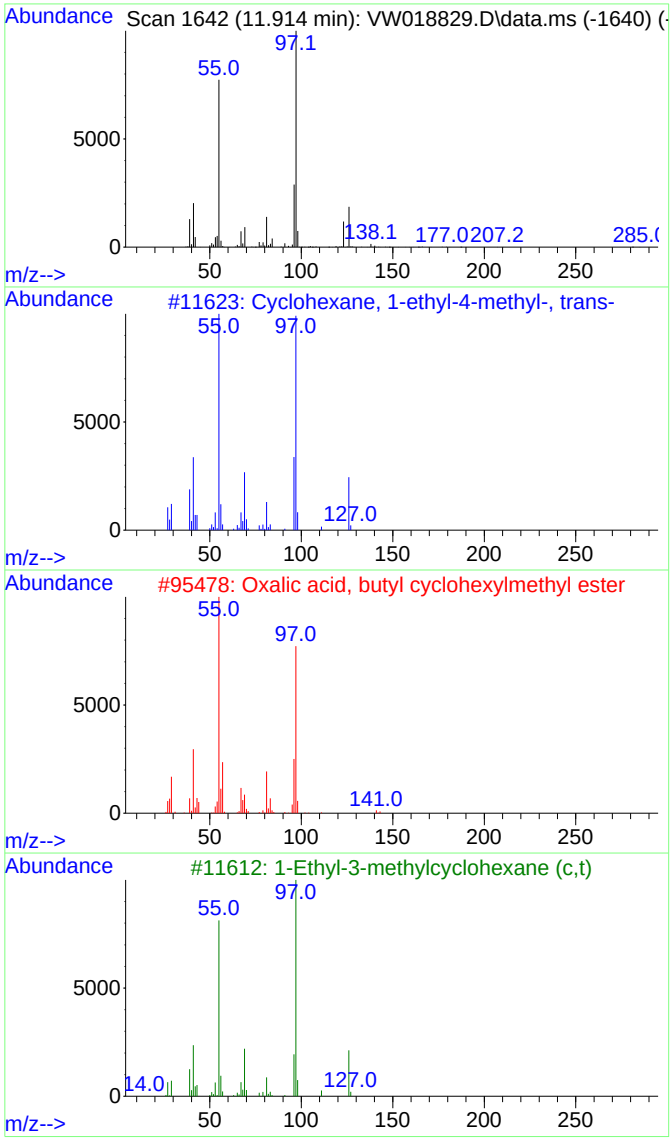
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

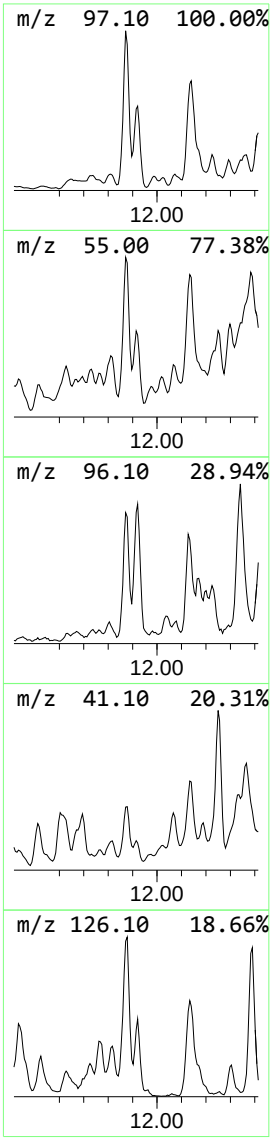
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Cyclic11.914 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.914	5.62 ug/L	797092	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	80
2	Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	72
3	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	64
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	64
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

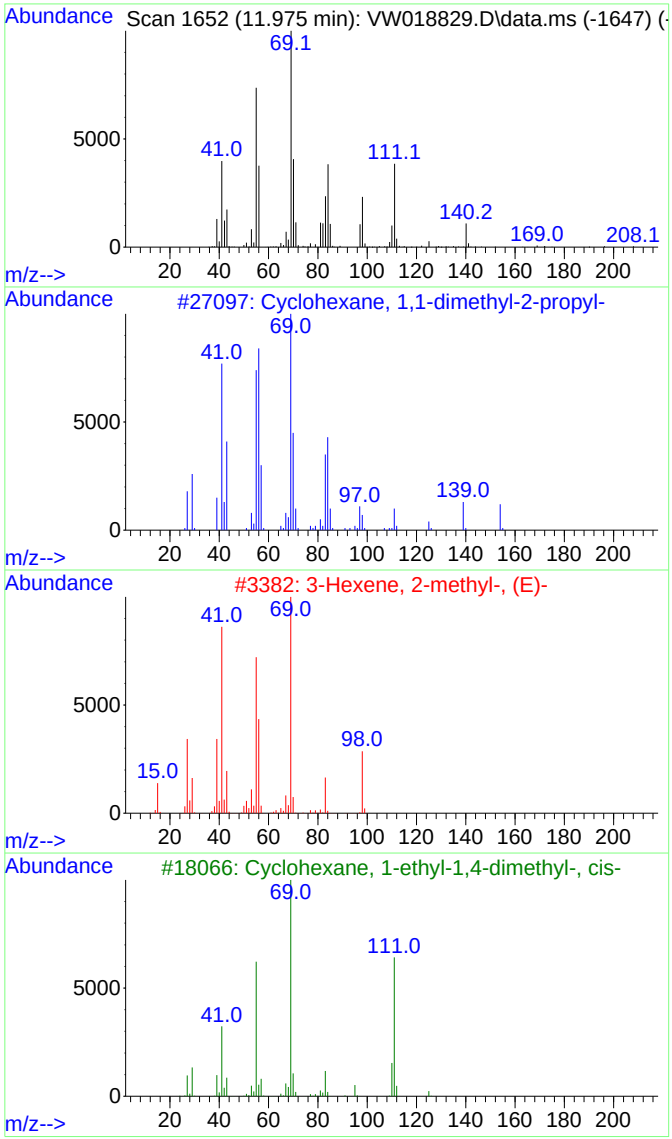
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

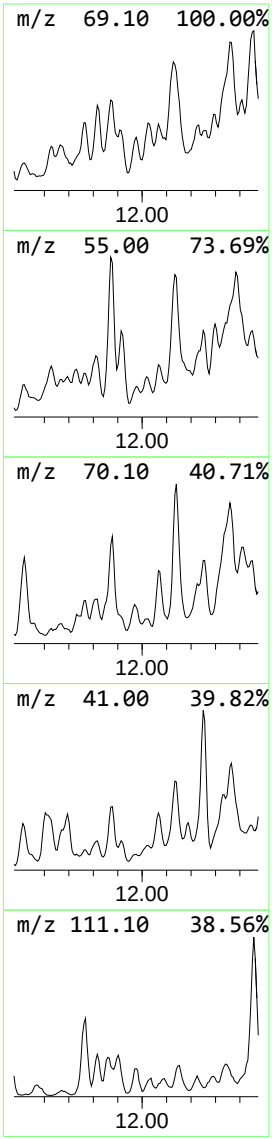
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Cyclic11.975 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	2.41 ug/L	341235	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	59
2	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	38
3	Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-30-6	38
4	1-Heptanol, 6-methyl-	130	C8H18O	001653-40-3	35
5	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

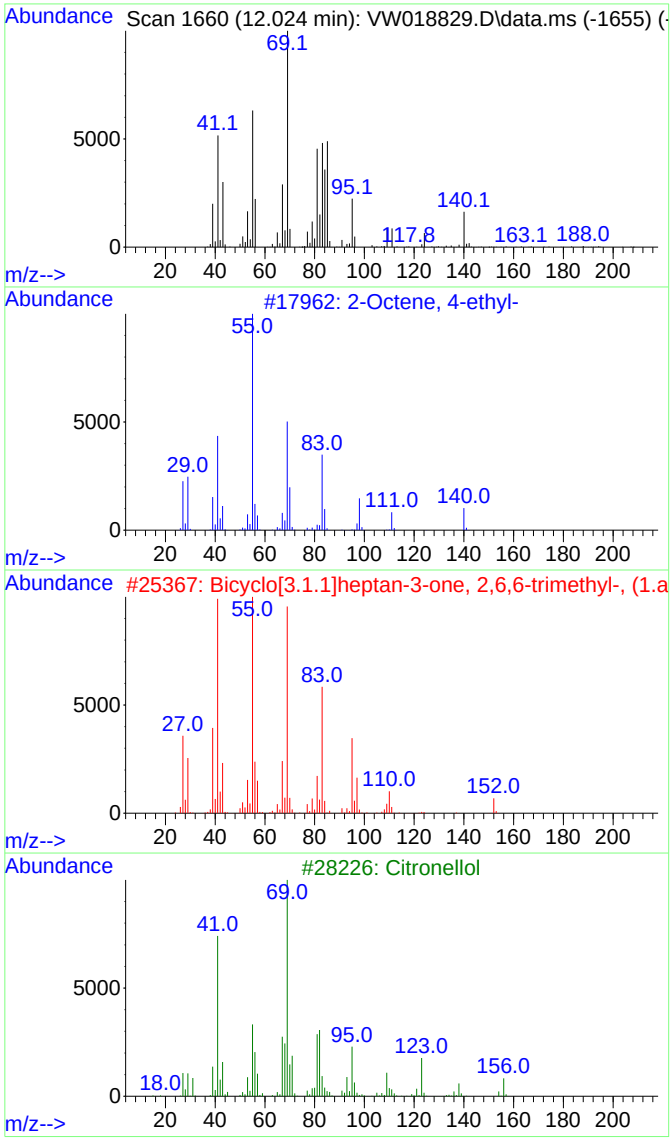
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

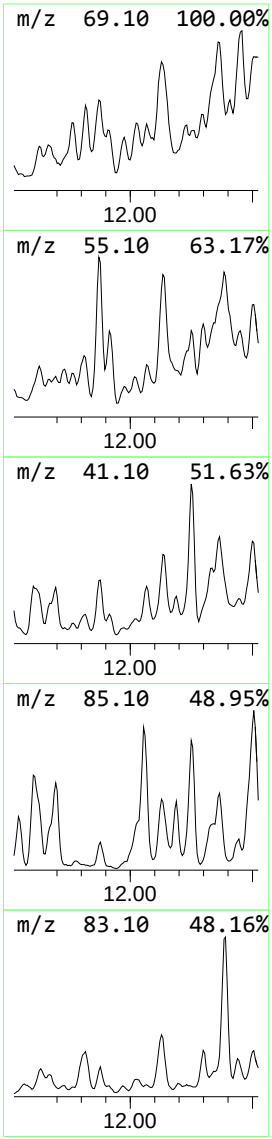
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.024	3.10 ug/L	439187	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 4-ethyl-	140	C10H20	053966-52-2	50
2	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	50
3	Citronellol	156	C10H20O	000106-22-9	43
4	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	43
5	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

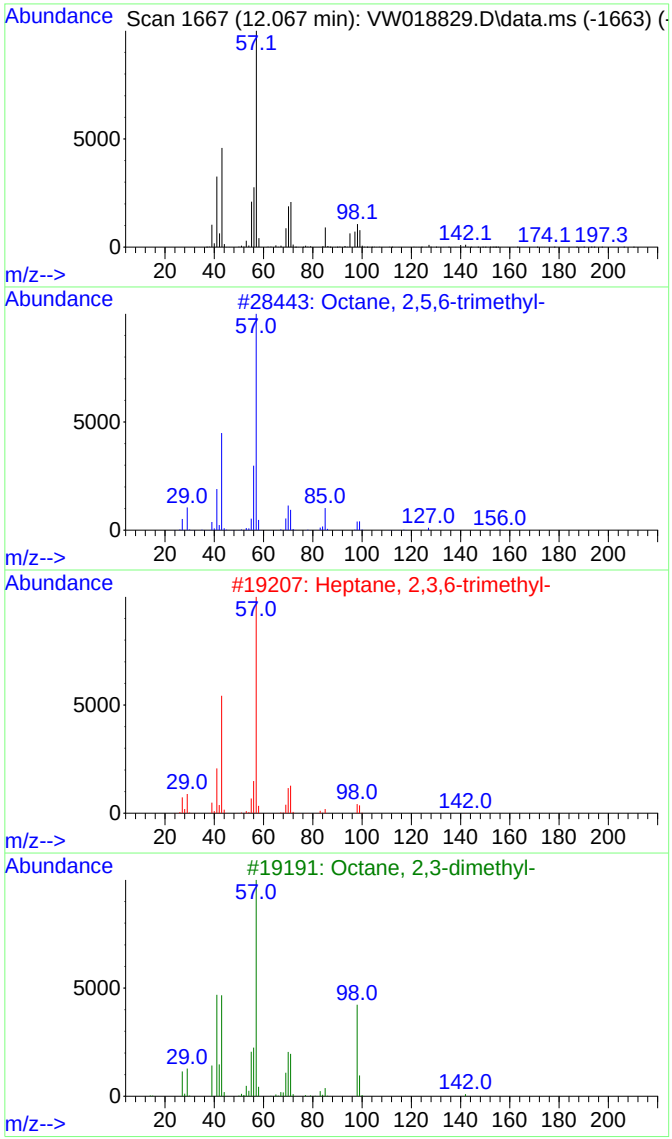
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

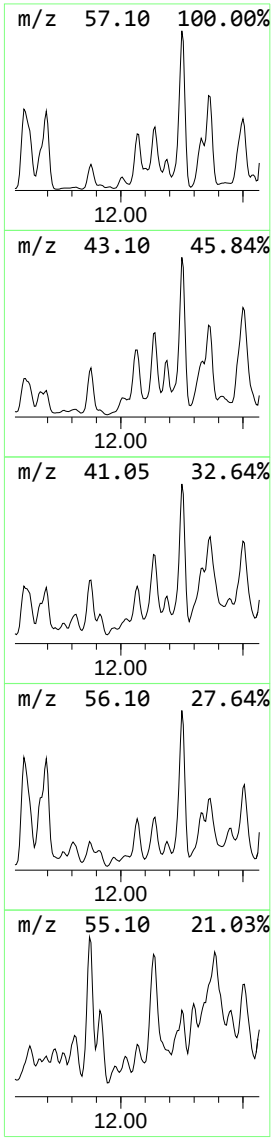
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.067	7.83 ug/L	1109840	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	53
2	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	53
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	52
4	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	50
5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587

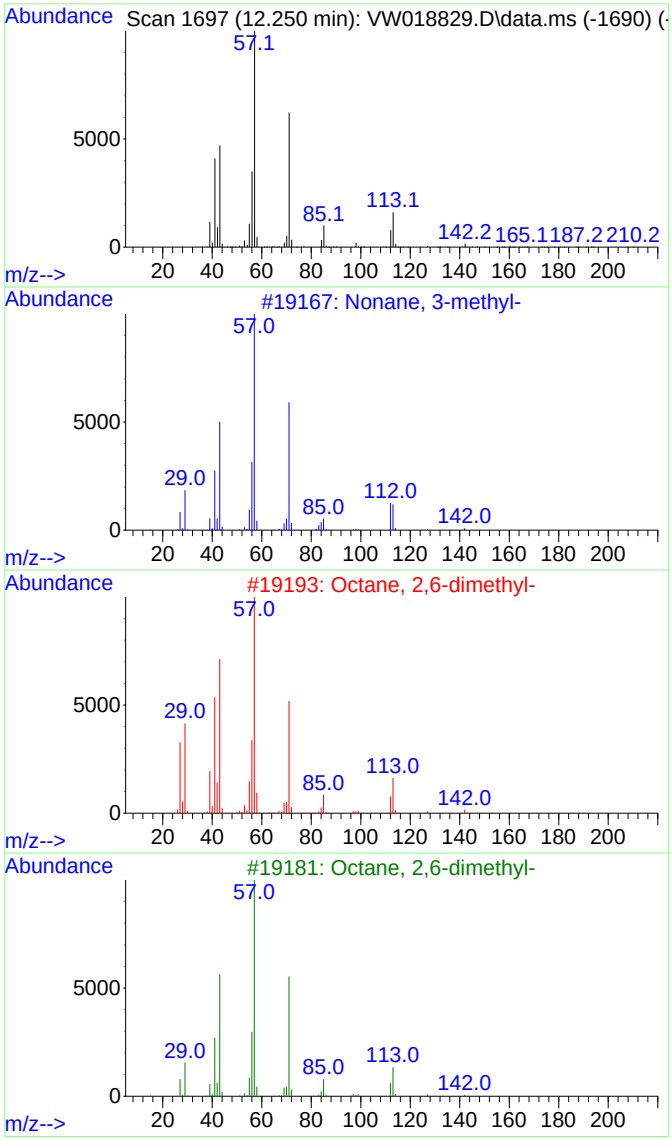
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

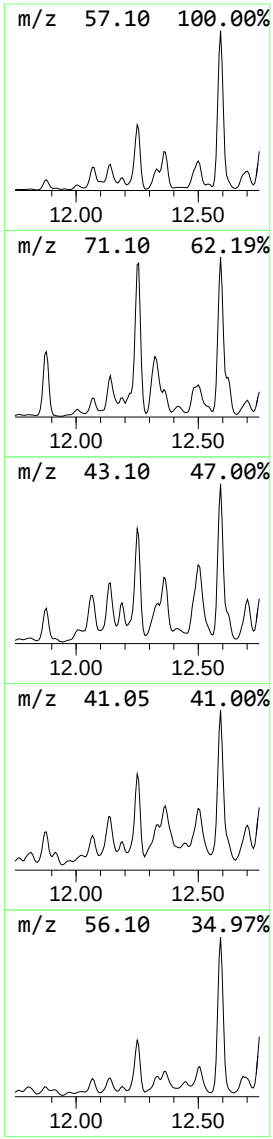
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.250	31.54 ug/L	4472610	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	87
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

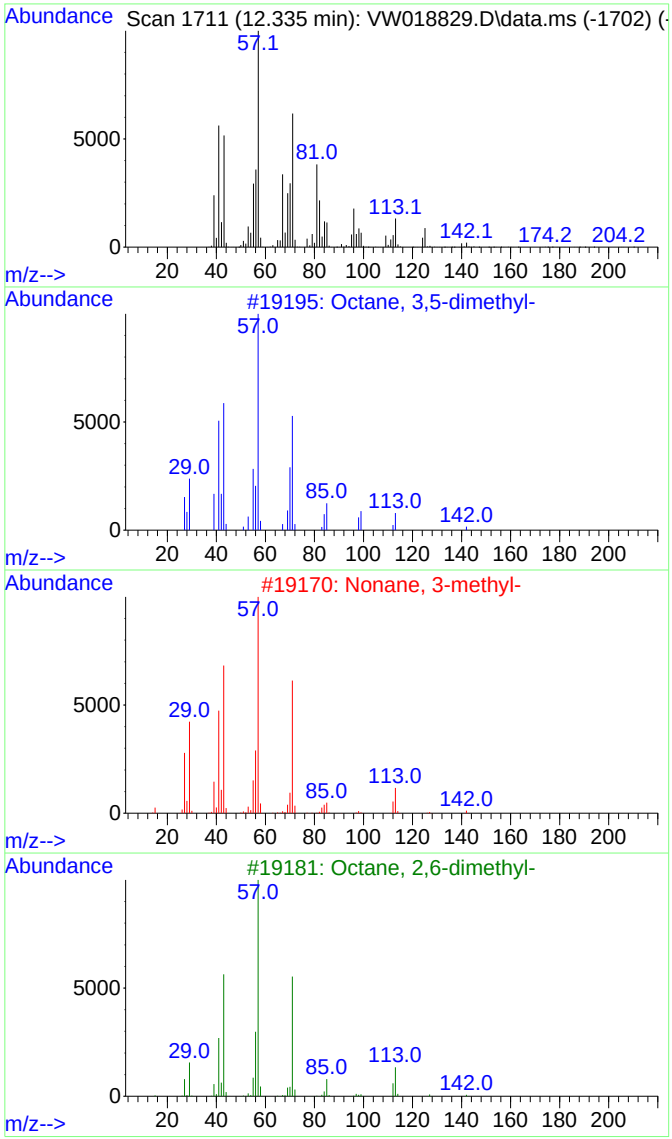
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

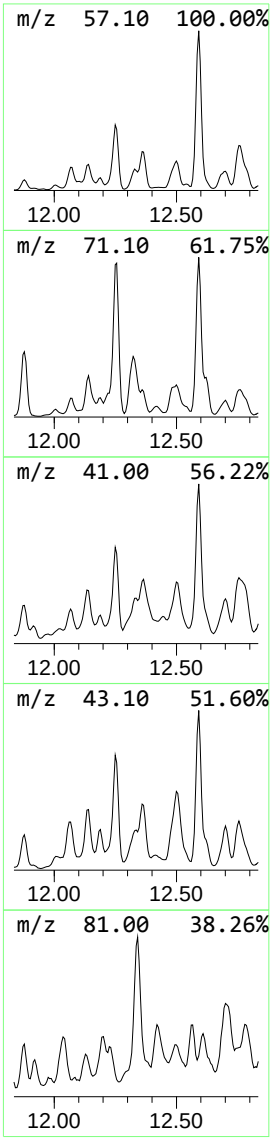
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.335	23.23 ug/L	3294140	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	58
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	53
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	47
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	46
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

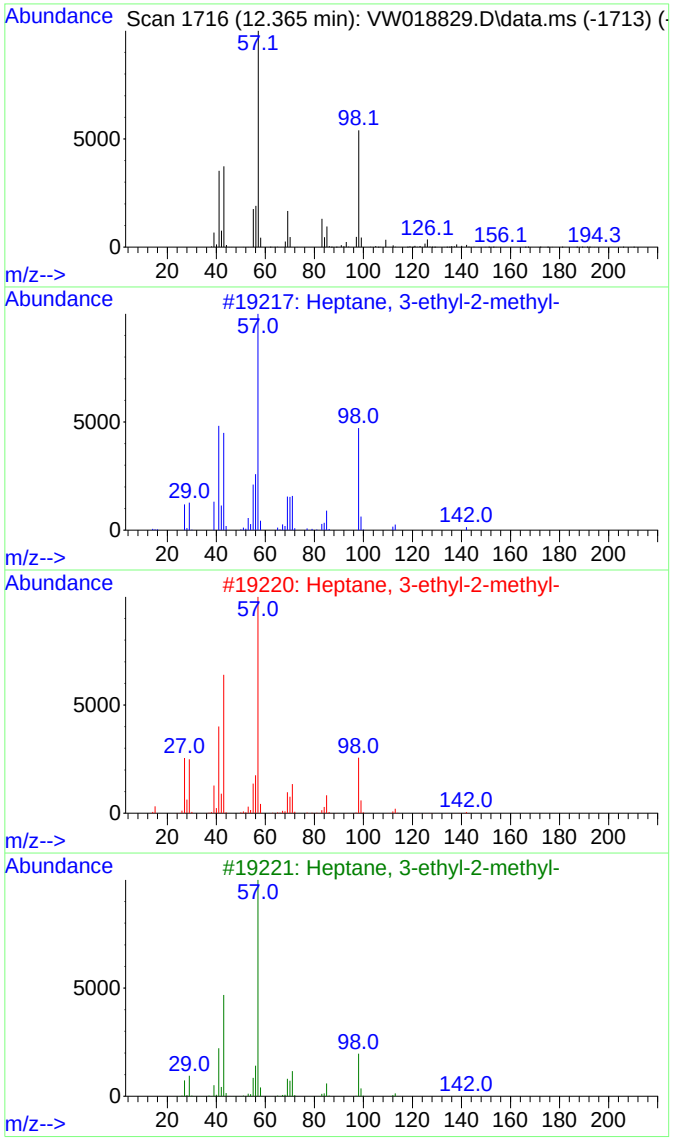
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

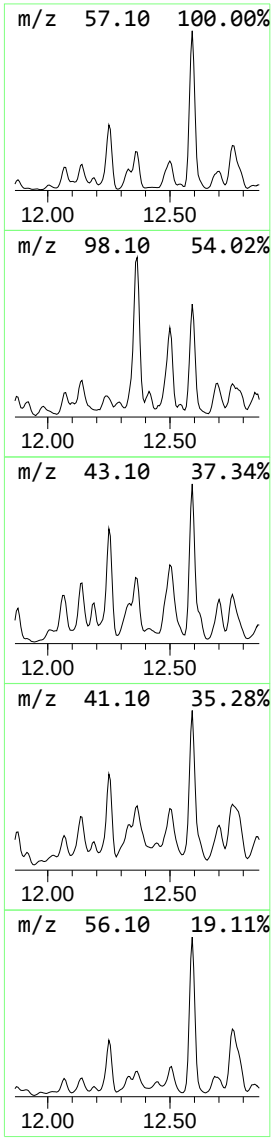
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.365	19.99 ug/L	2834140	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	42
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	40
4	1-Propene, 1,1'-oxybis-, (Z,Z)-	98	C6H10O	004696-27-9	38
5	1-Octyn-3-ol, 4-ethyl-	154	C10H18O	005877-42-9	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587

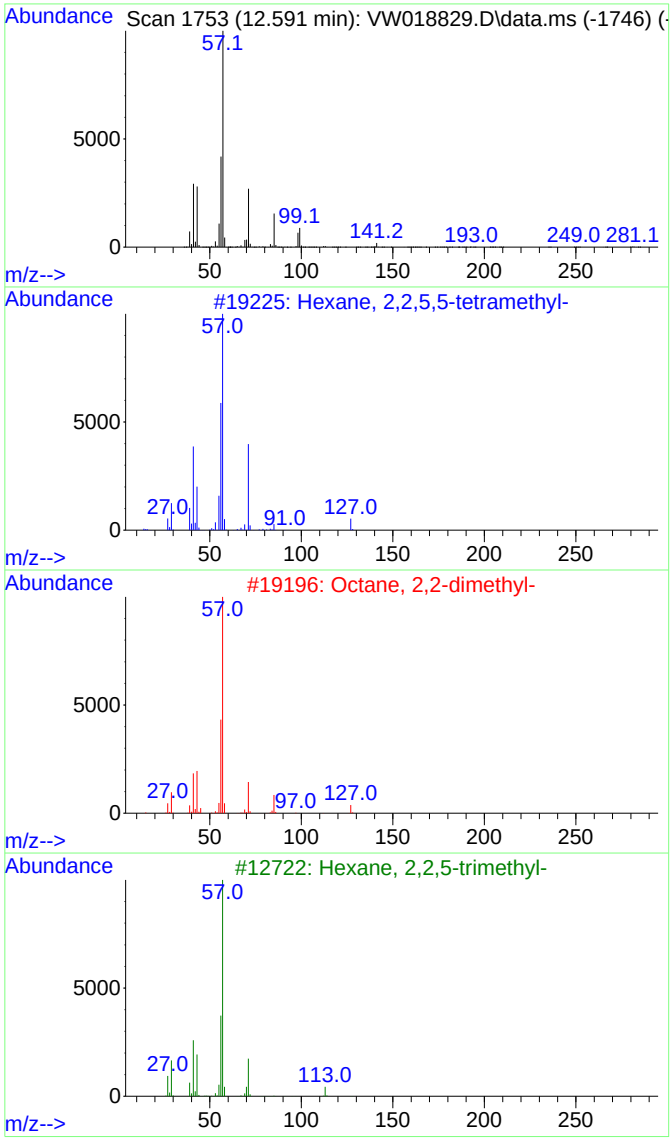
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

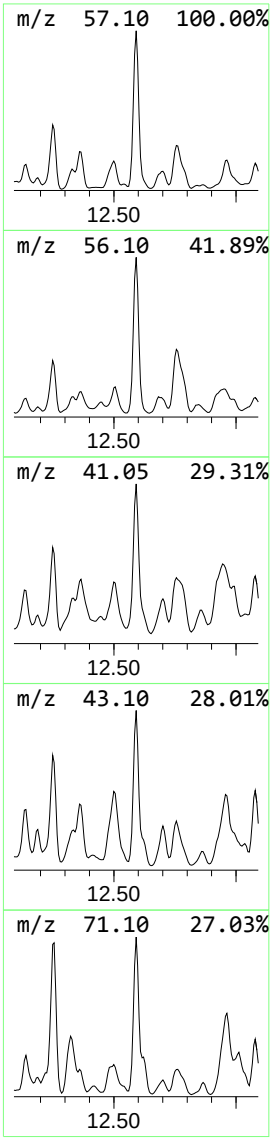
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.591	70.12 ug/L	9943320	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	59
2	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	53
3	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	50
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	50
5	2,2,6,6-Tetramethylheptane	156	C11H24	040117-45-1	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

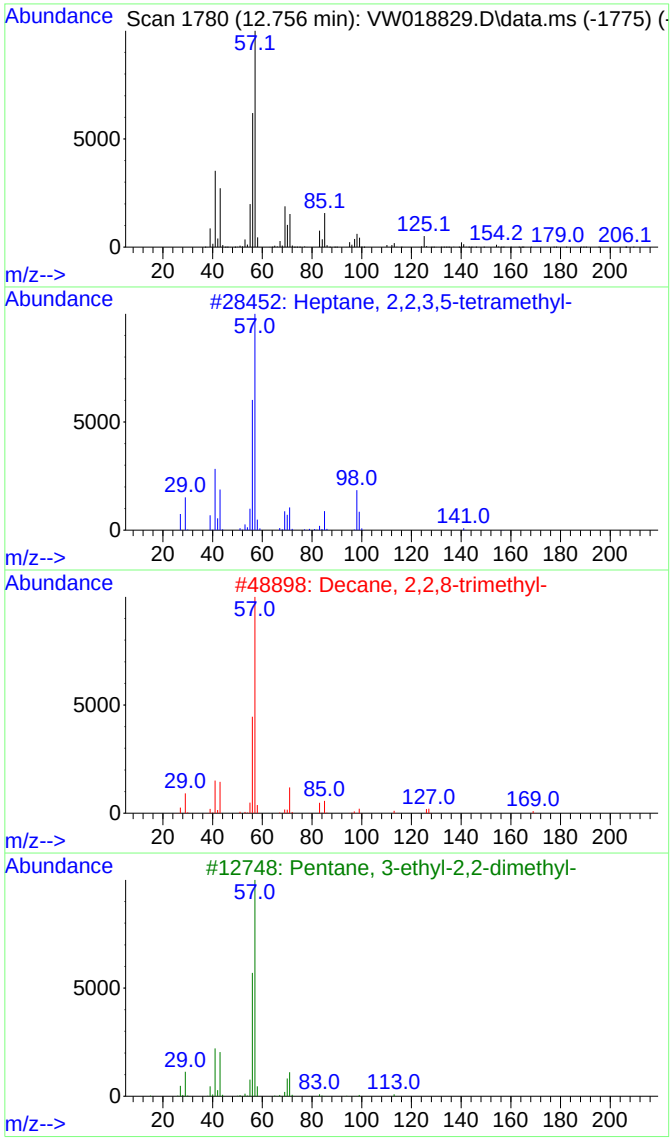
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

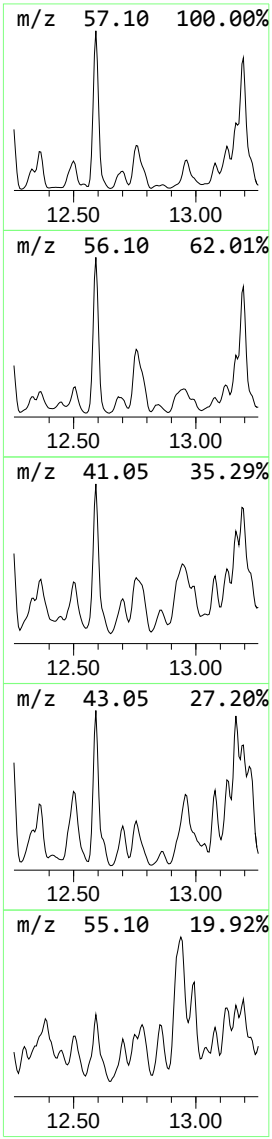
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.756	4.38 ug/L	2761030	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,3,5-tetramethyl-	156	C11H24	061868-42-6	64
2	Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	59
3	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	53
4	Decane, 2,2-dimethyl-	170	C12H26	017302-37-3	53
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

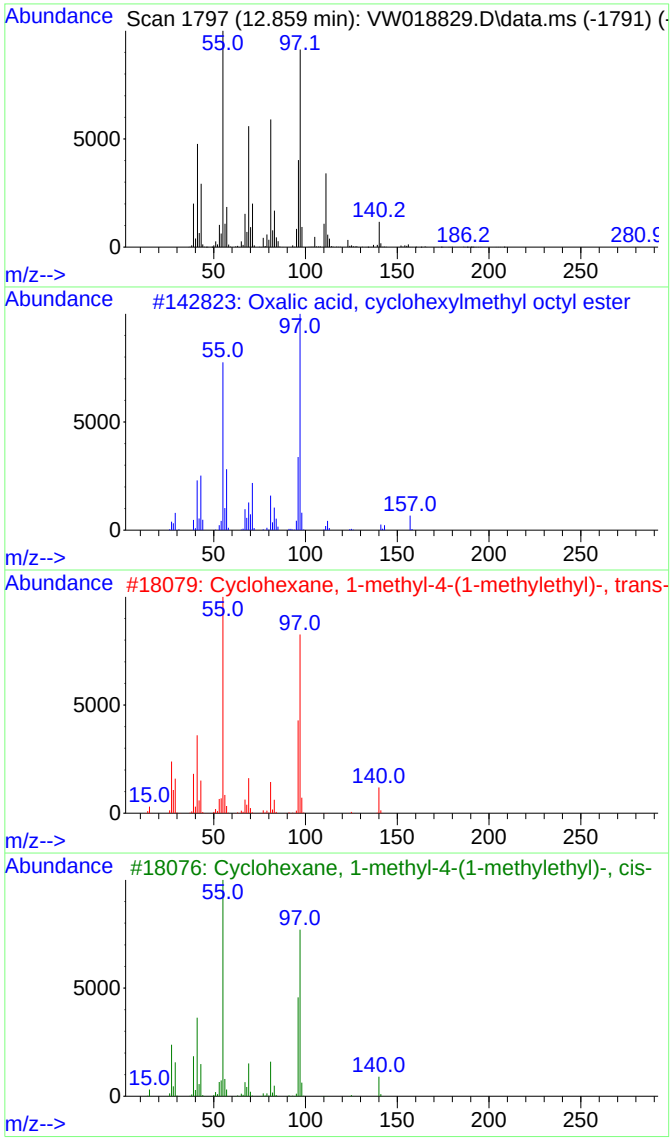
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

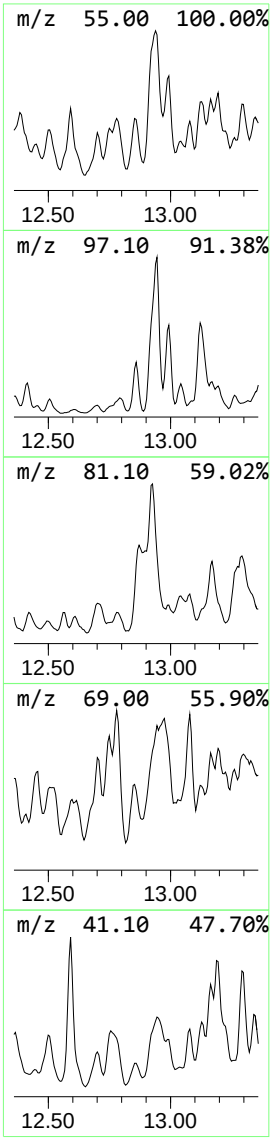
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 Oxalic acid, cyclohexylmeth... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	3.74 ug/L	2358490	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	64
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	62
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	62
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	62
5	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587

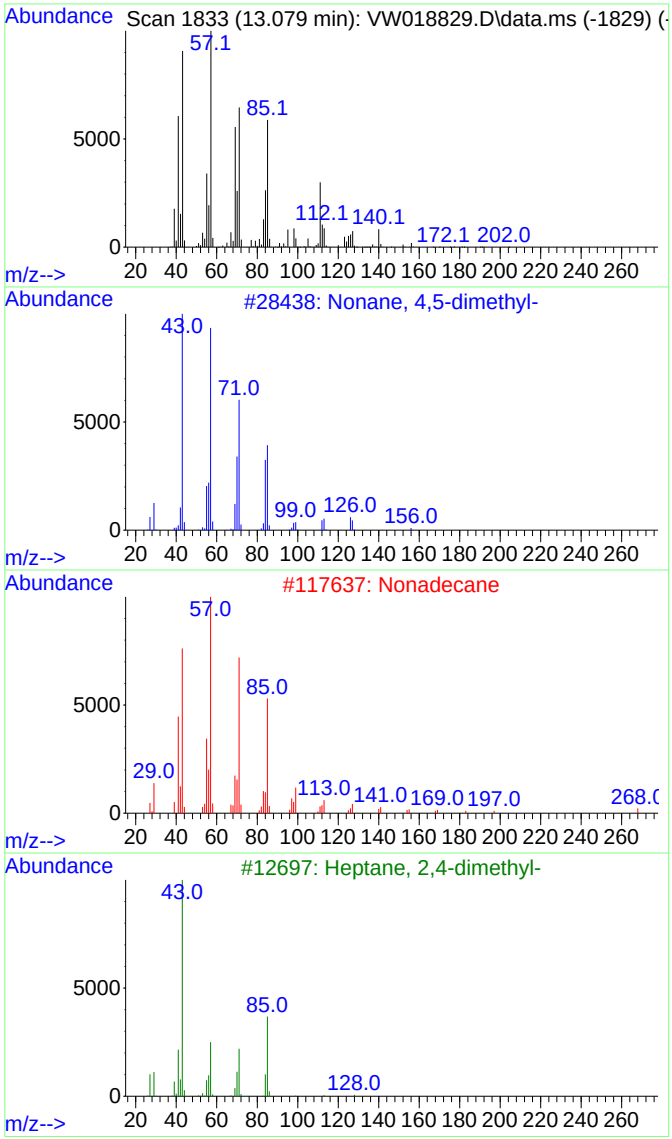
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

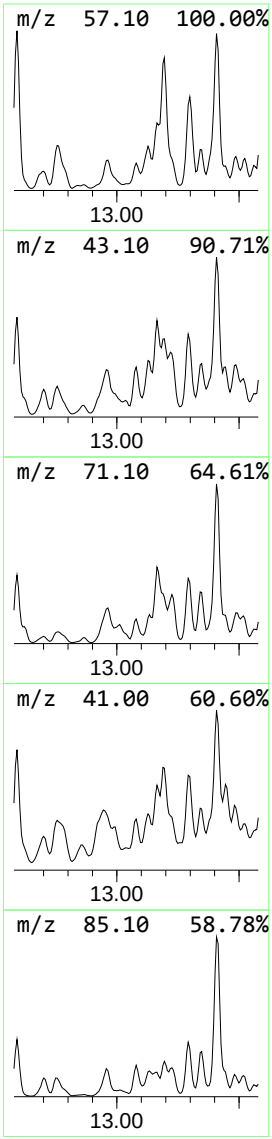
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.079	3.81 ug/L	2399980	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	62
2	Nonadecane	268	C19H40	000629-92-5	53
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
4	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	52
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

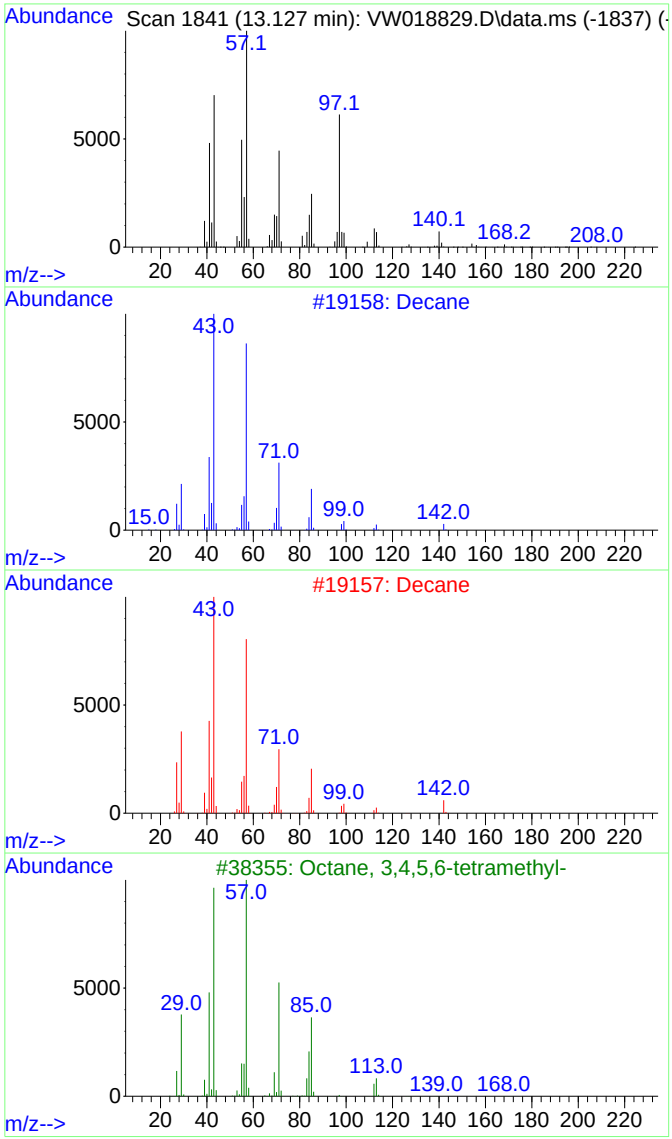
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

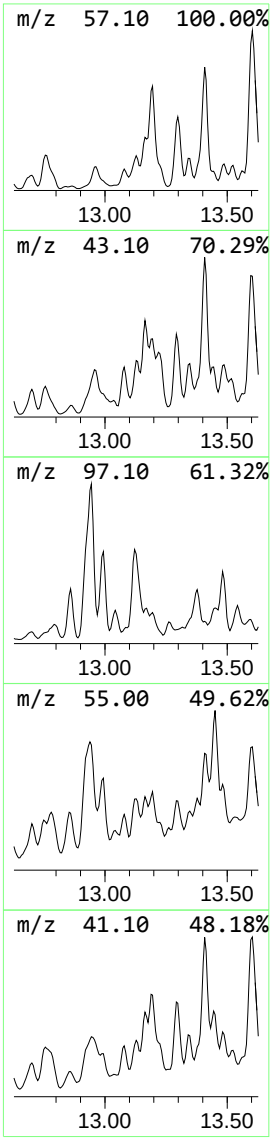
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.128	3.51 ug/L	2210510	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	60
2	Decane	142	C10H22	000124-18-5	53
3	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	52
4	Hexadecane	226	C16H34	000544-76-3	47
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

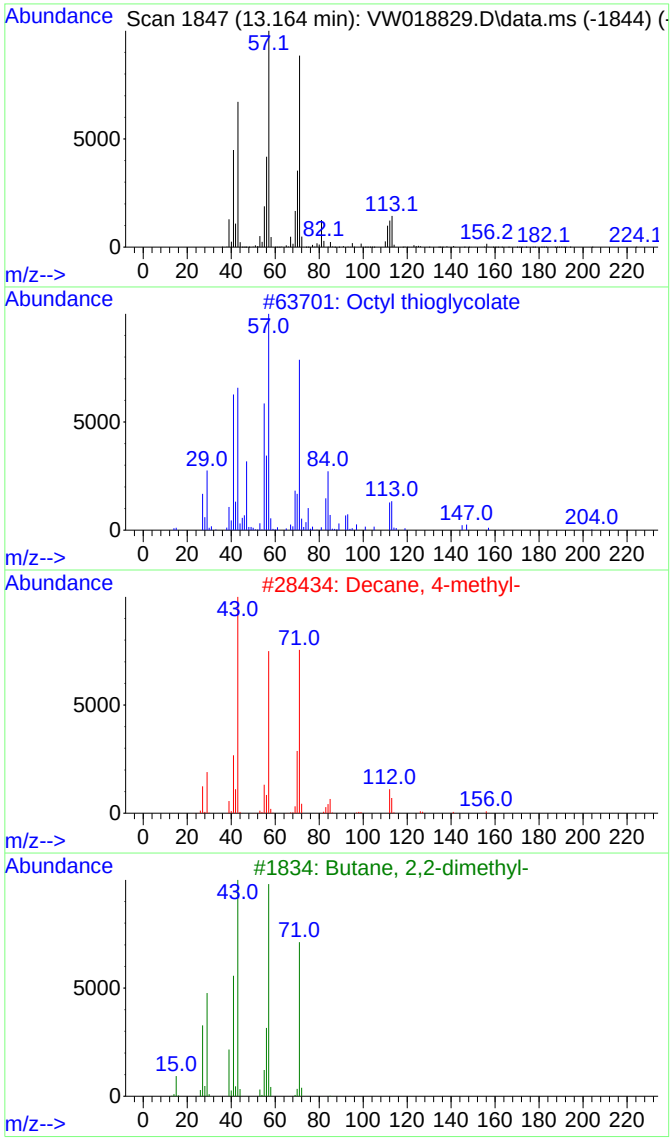
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

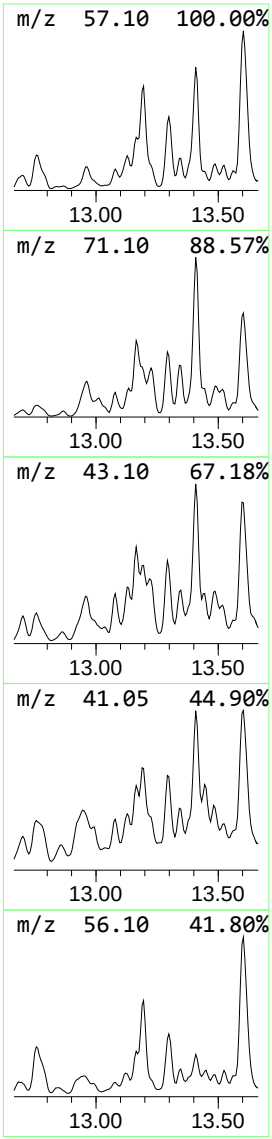
****

Peak Number 44 Octyl thioglycolate Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	4.86 ug/L	3062740	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octyl thioglycolate	204	C10H20O2S	007664-80-4	72
2	Decane, 4-methyl-	156	C11H24	002847-72-5	58
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
4	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	53
5	2-Ethylhexyl mercaptoacetate	204	C10H20O2S	007659-86-1	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587

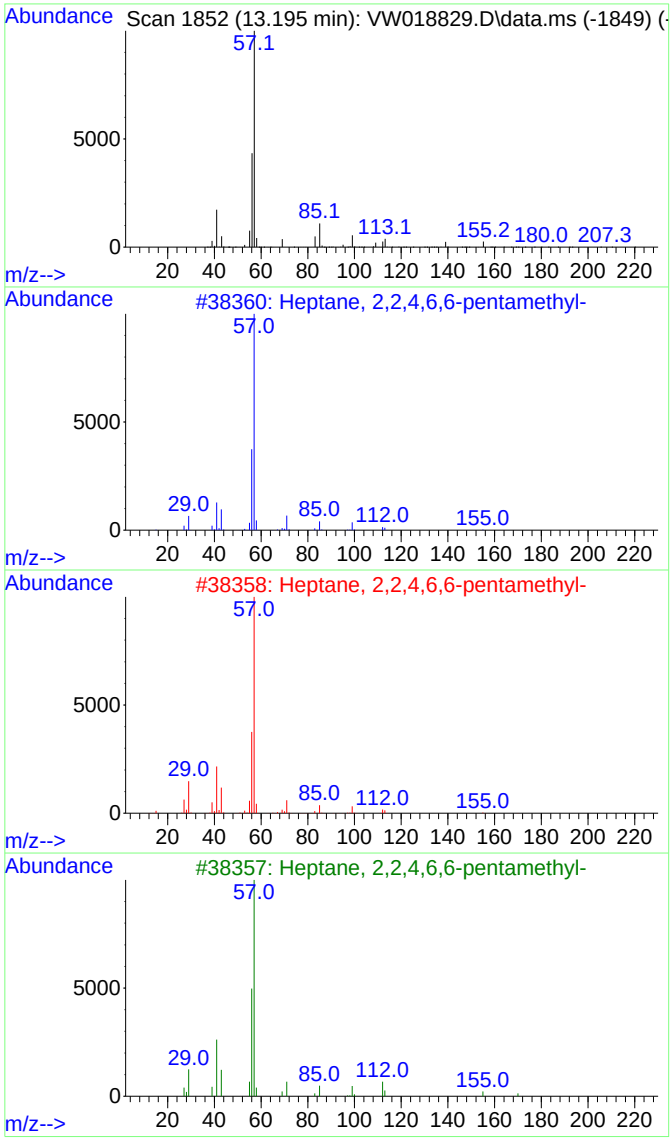
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

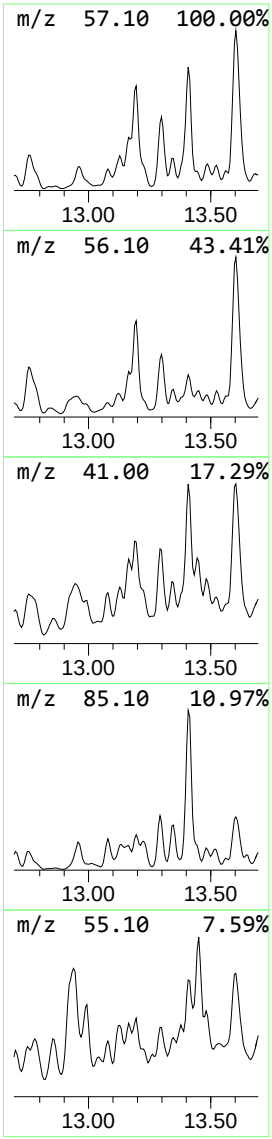
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.195	5.89 ug/L	3708430	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	64
2	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	64
3	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	64
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	59
5	Heptane, 2,2,4-trimethyl-	142	C10H22	014720-74-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

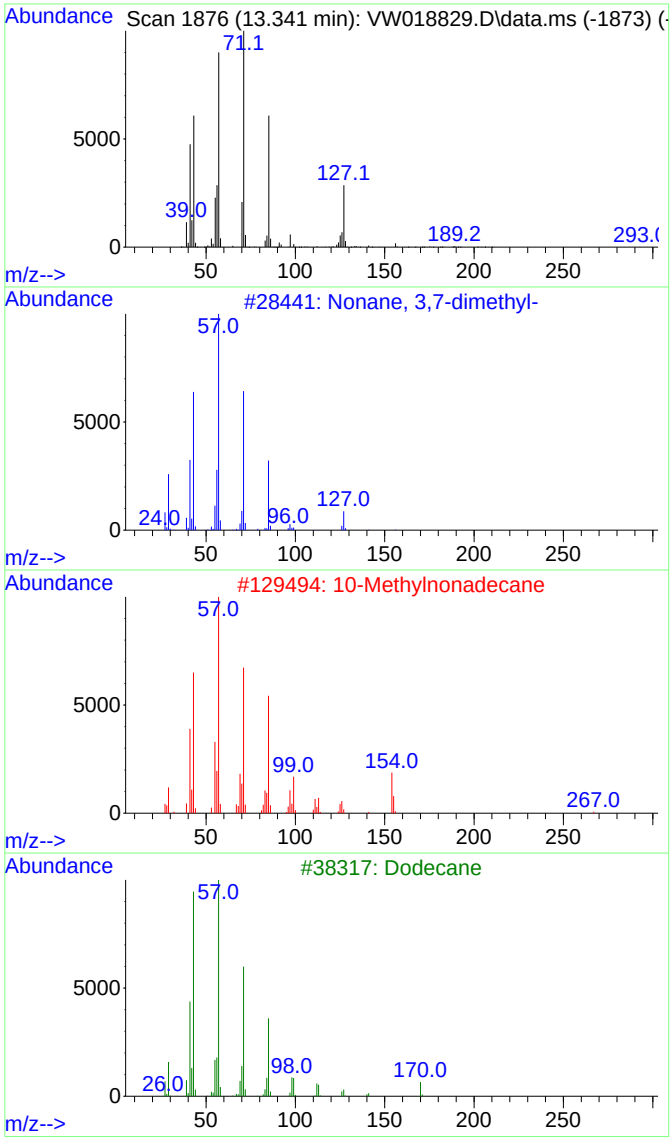
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

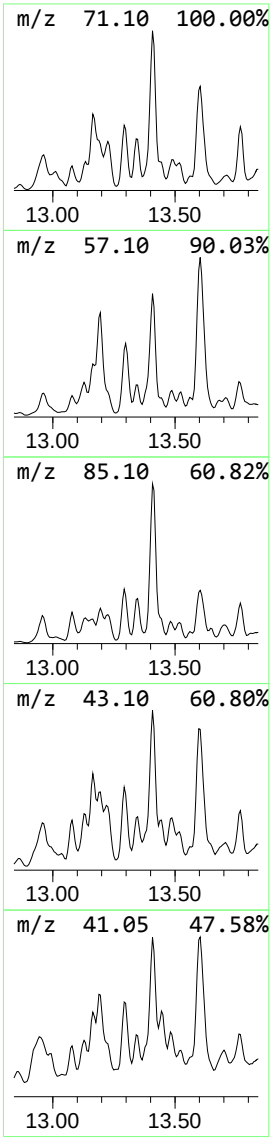
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.341	3.17 ug/L	1999370	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	90
2	10-Methylnonadecane	282	C20H42	056862-62-5	64
3	Dodecane	170	C12H26	000112-40-3	64
4	Sulfurous acid, hexyl 2-pentyl e...	236	C11H24O3S	1000309-15-6	53
5	Nonane, 1-iodo-	254	C9H19I	004282-42-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587

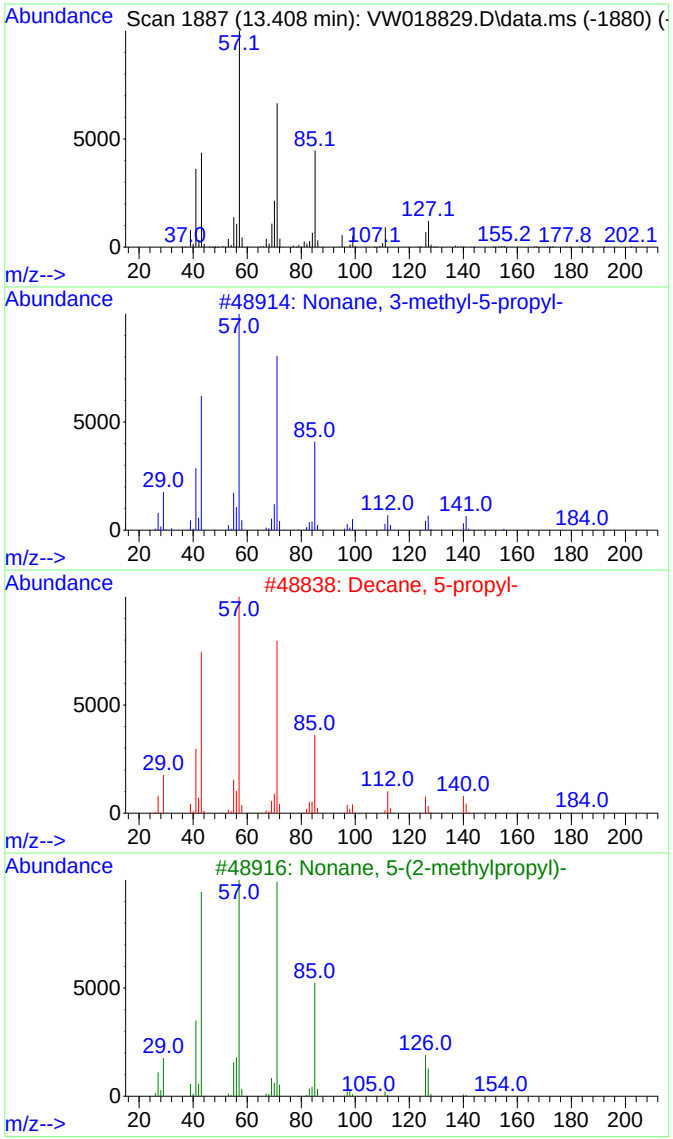
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

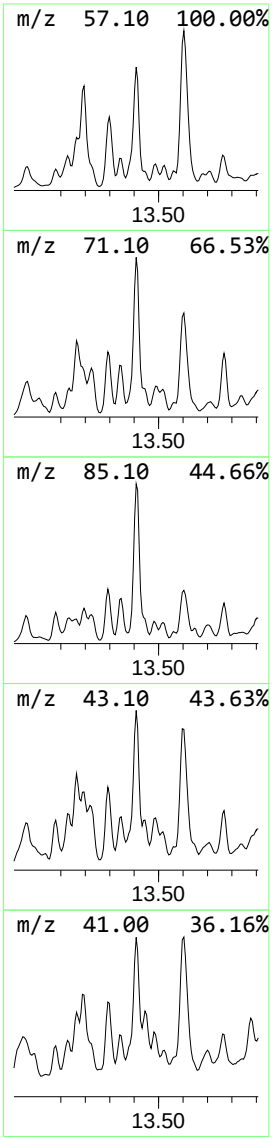
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.408	19.20 ug/L	12096400	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	64
2	Decane, 5-propyl-	184	C13H28	017312-62-8	53
3	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	50
4	Sulfurous acid, nonyl 2-pentyl e...	278	C14H30O3S	1000309-15-8	43
5	Undecane, 6-ethyl-	184	C13H28	017312-60-6	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

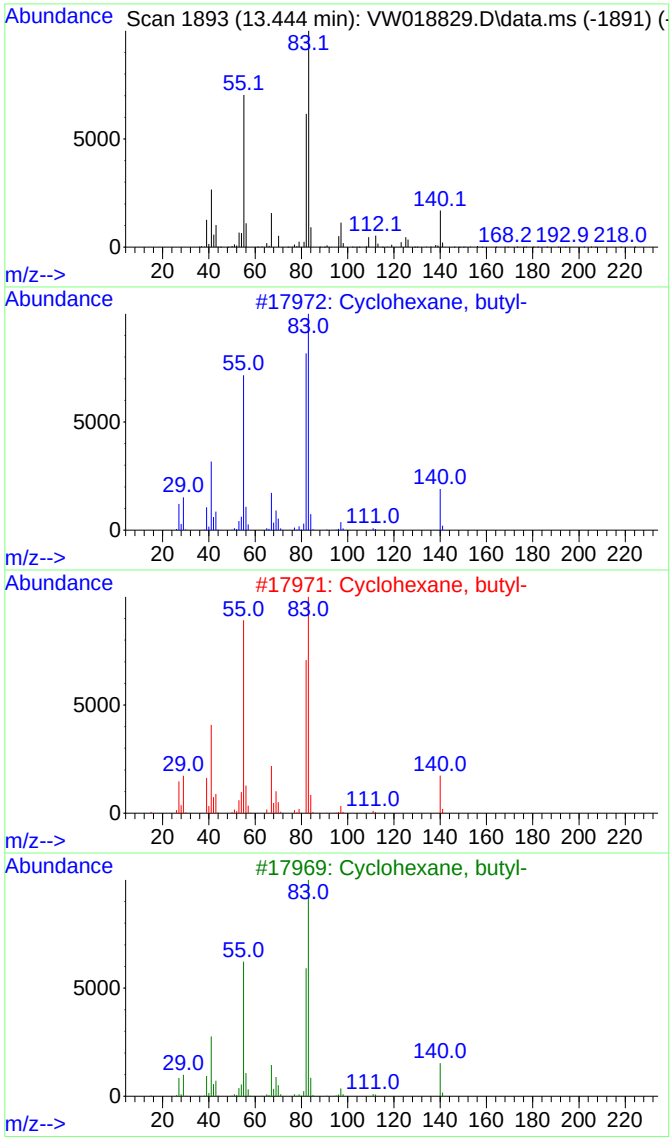
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

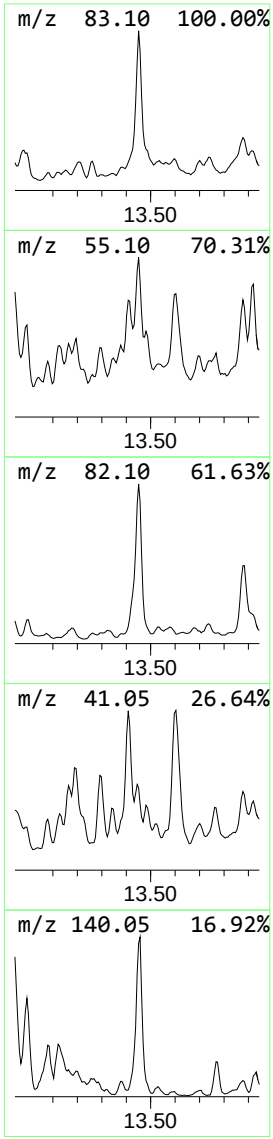
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 (DEL) Alkane: Cyclic13.445 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.445	6.59 ug/L	4153850	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	81
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	81
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	81
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	68
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587

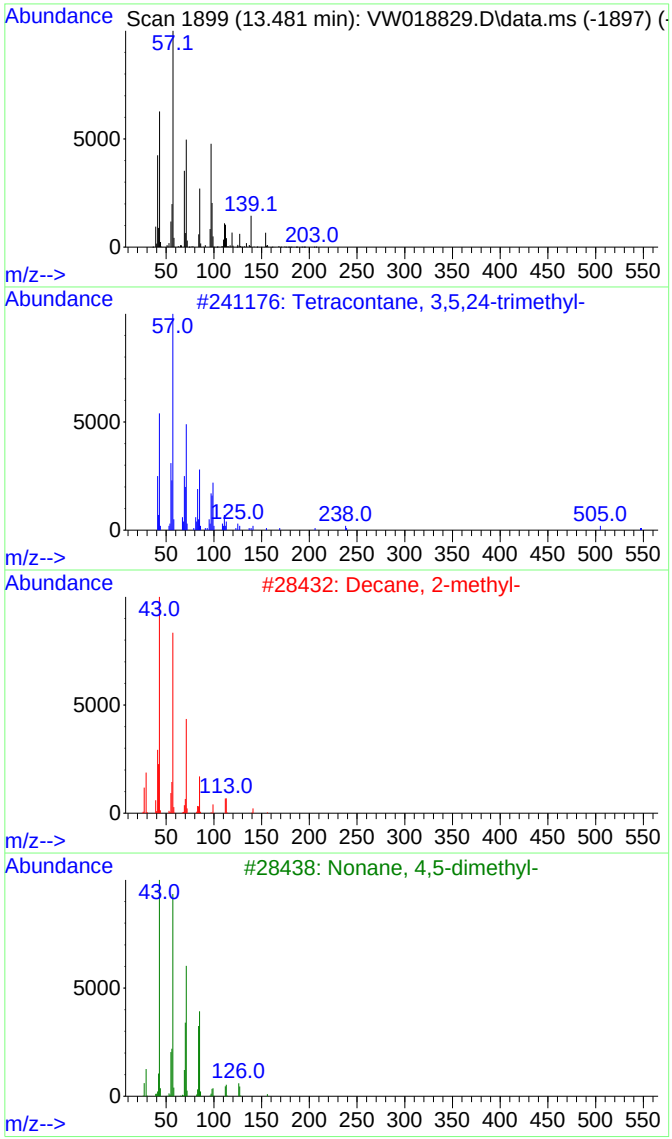
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

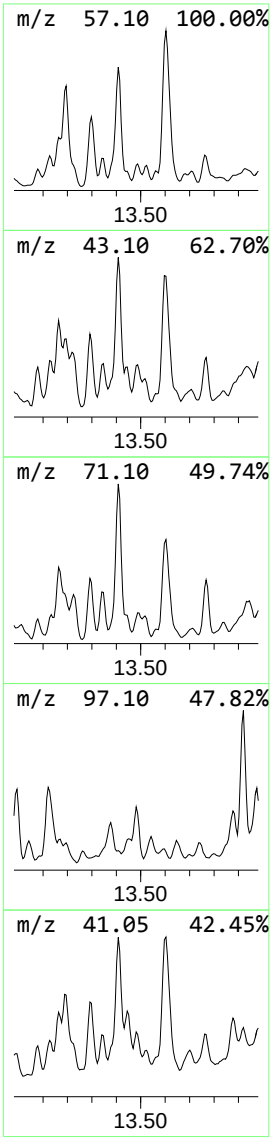
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.481	2.67 ug/L	1680870	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracontane, 3,5,24-trimethyl-	605	C43H88	055162-61-3	53
2	Decane, 2-methyl-	156	C11H24	006975-98-0	46
3	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	38
4	Decane, 3-methyl-	156	C11H24	013151-34-3	38
5	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

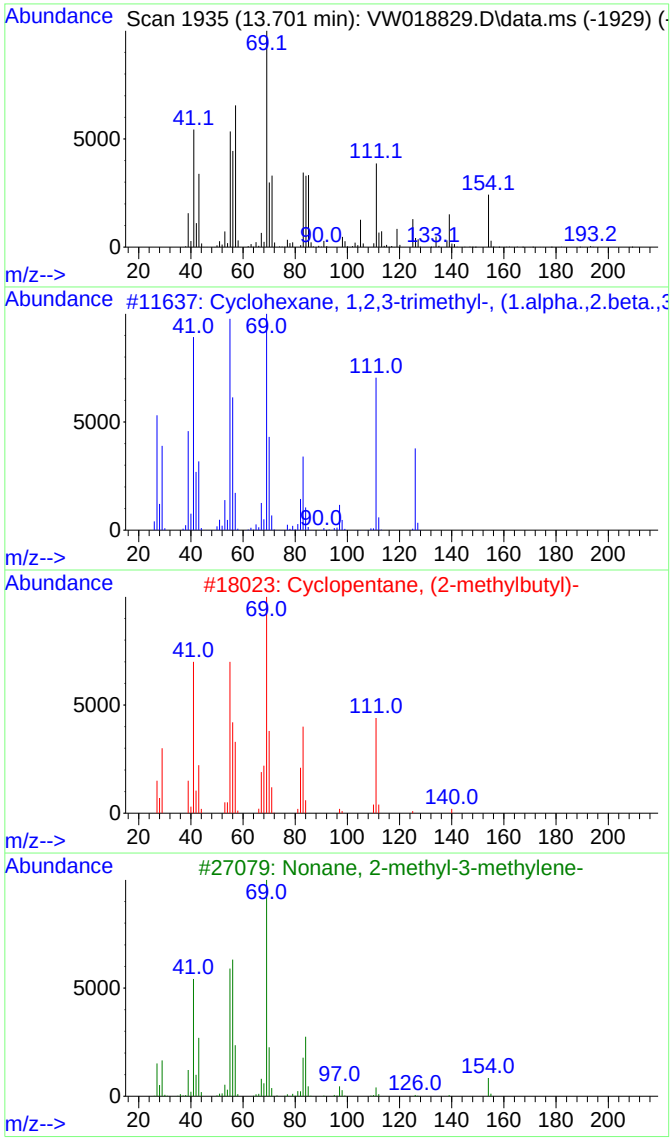
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

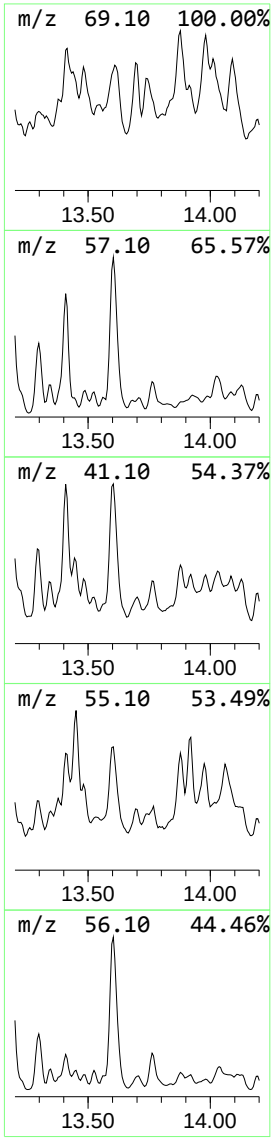
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 (DEL) Alkane: Cyclic13.701 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.701	4.52 ug/L	2848640	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	64
2	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	62
3	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	58
4	Heptane, 2-methyl-3-methylene-	126	C9H18	062187-11-5	38
5	Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

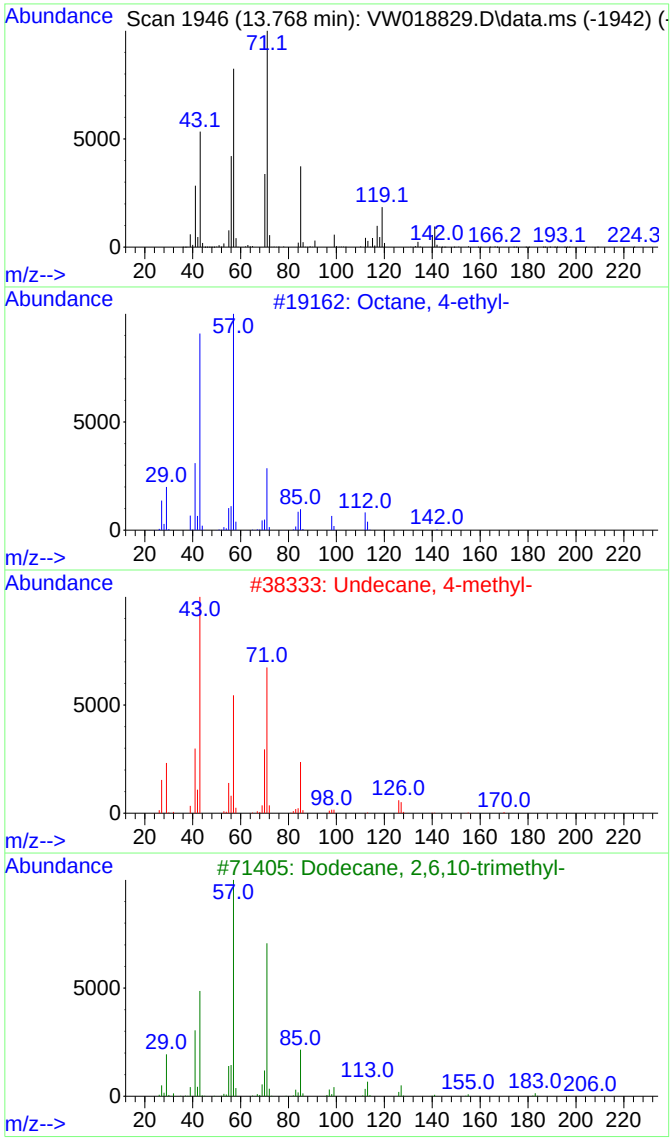
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

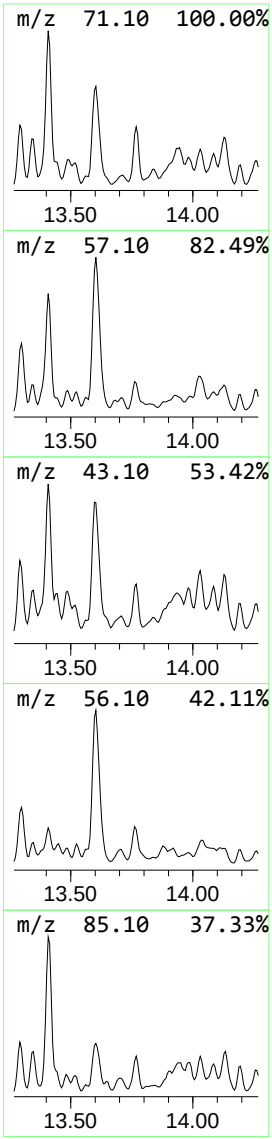
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.768	7.67 ug/L	4831420	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-ethyl-	142	C10H22	015869-86-0	50
2	Undecane, 4-methyl-	170	C12H26	002980-69-0	47
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	47
4	Isobutyl 3-methylbutan-2-yl carb...	188	C10H20O3	1000372-77-0	47
5	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

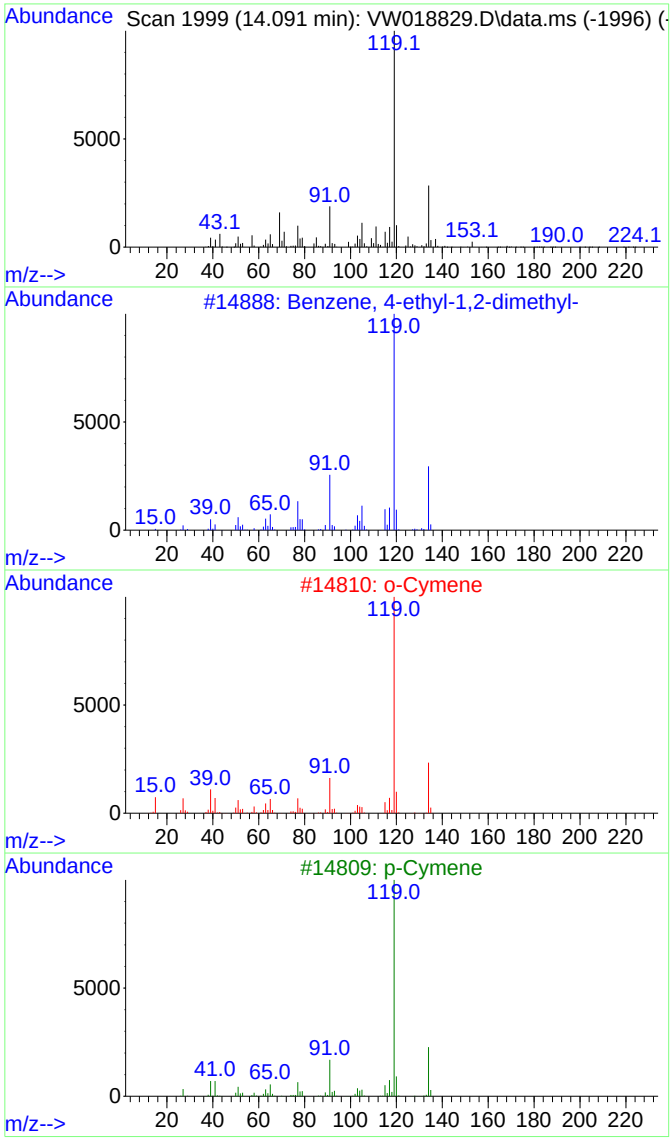
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

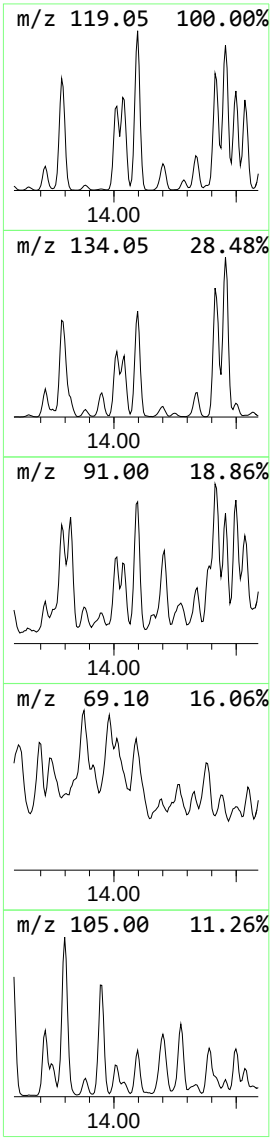
****

Peak Number 52 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.091	3.87 ug/L	2439460	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587

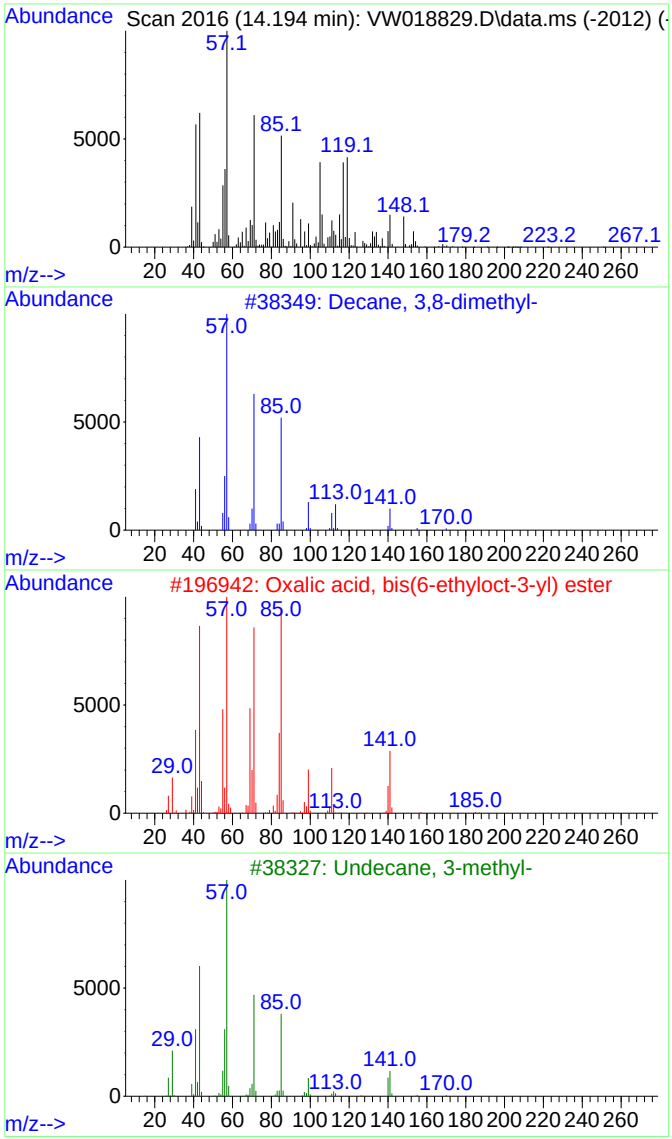
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

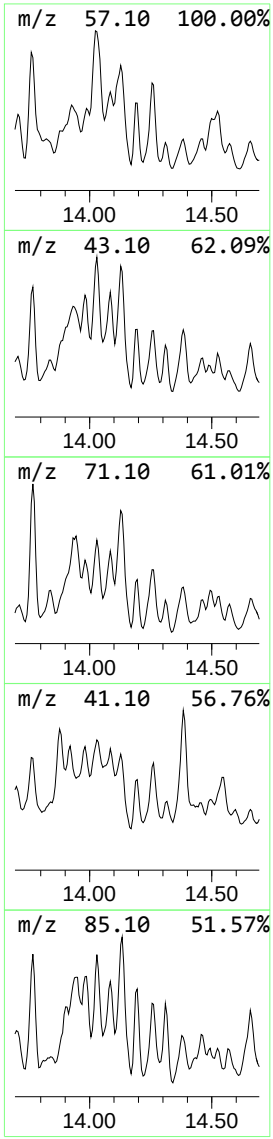
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.194	6.15 ug/L	3873300	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	50
2	Oxalic acid, bis(6-ethyloct-3-yl...	370	C22H42O4	1000309-34-6	43
3	Undecane, 3-methyl-	170	C12H26	001002-43-3	41
4	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	38
5	9-methylheptadecane	254	C18H38	026741-18-4	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

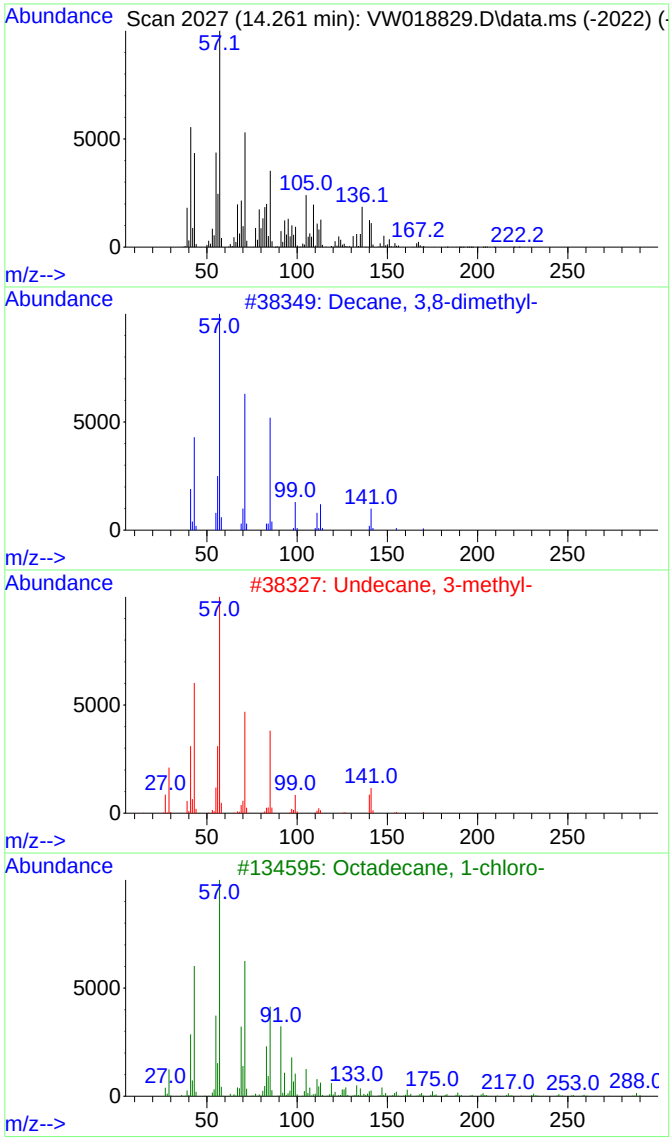
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

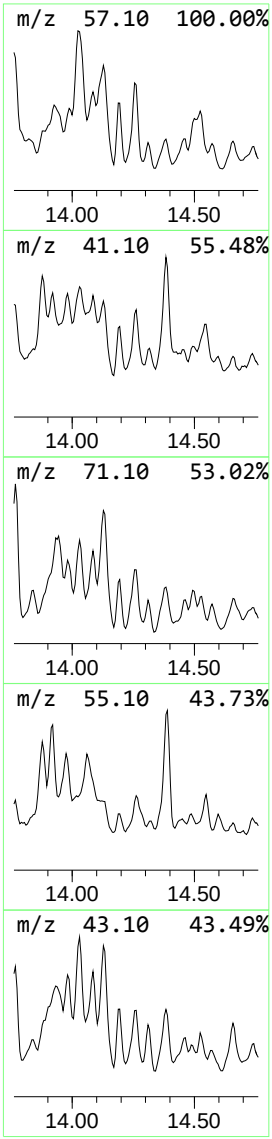
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.261	5.58 ug/L	3518320	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	92
2	Undecane, 3-methyl-	170	C12H26	001002-43-3	55
3	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	47
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	43
5	Tetratetracontane	619	C44H90	007098-22-8	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

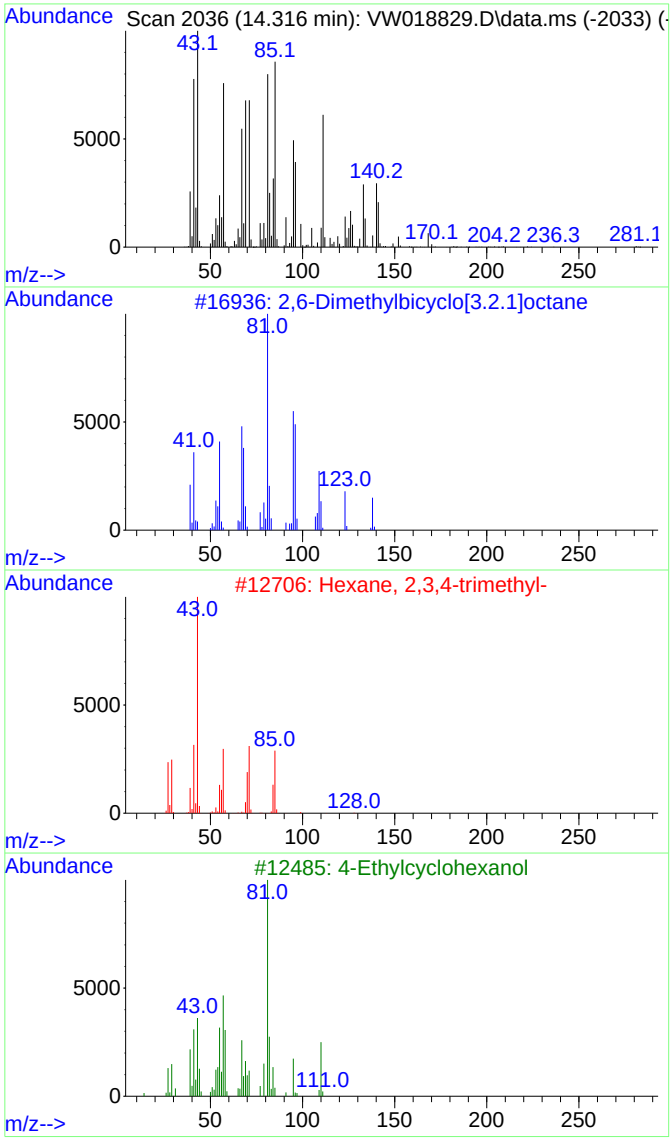
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

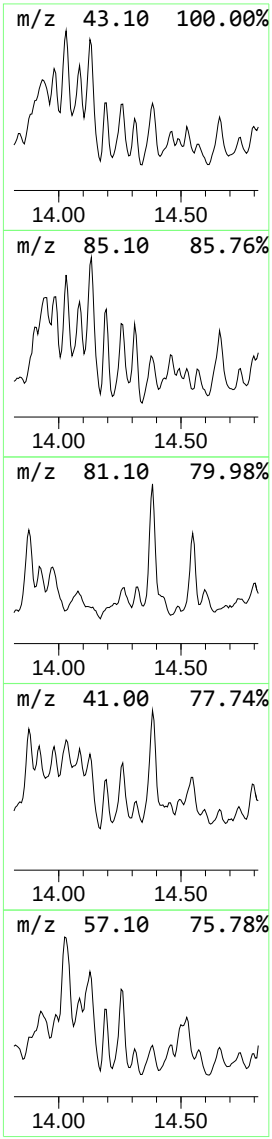
****

Peak Number 55 unknown-01 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.316	1.85 ug/L	1166930	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Dimethylbicyclo[3.2.1]octane	138	C10H18	1000215-28-2	38
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	25
3	4-Ethylcyclohexanol	128	C8H16O	004534-74-1	22
4	8-Hexadecyne	222	C16H30	019781-86-3	20
5	Cyclohexane, methylene-	96	C7H12	001192-37-6	18





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

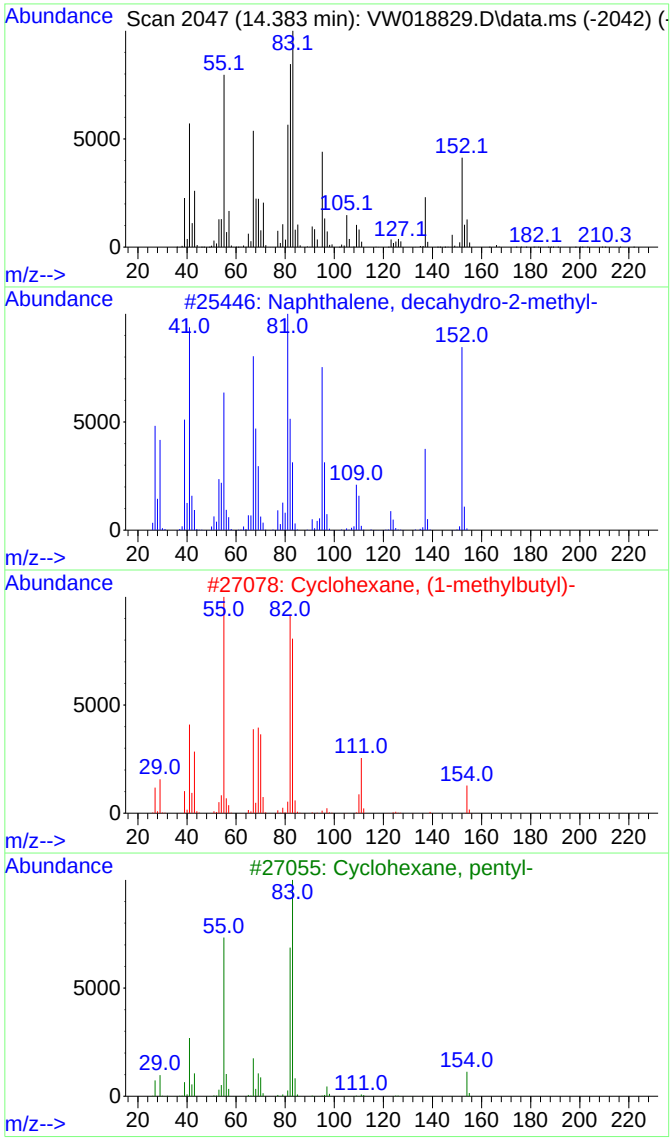
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

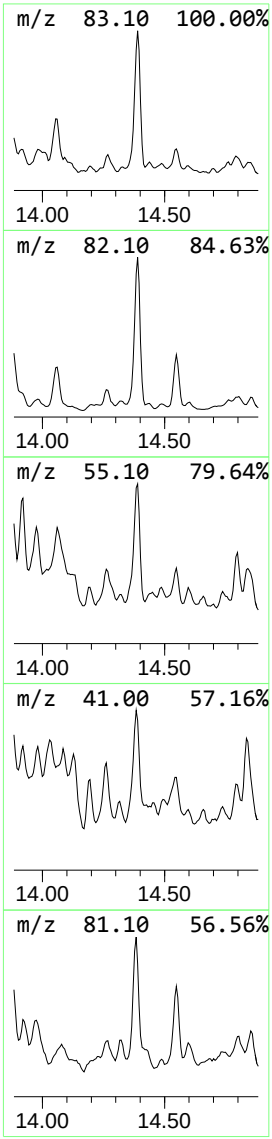
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 56 Naphthalene, decahydro-2-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	10.93 ug/L	6885820	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	50
2	Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	46
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	45
4	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	45
5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

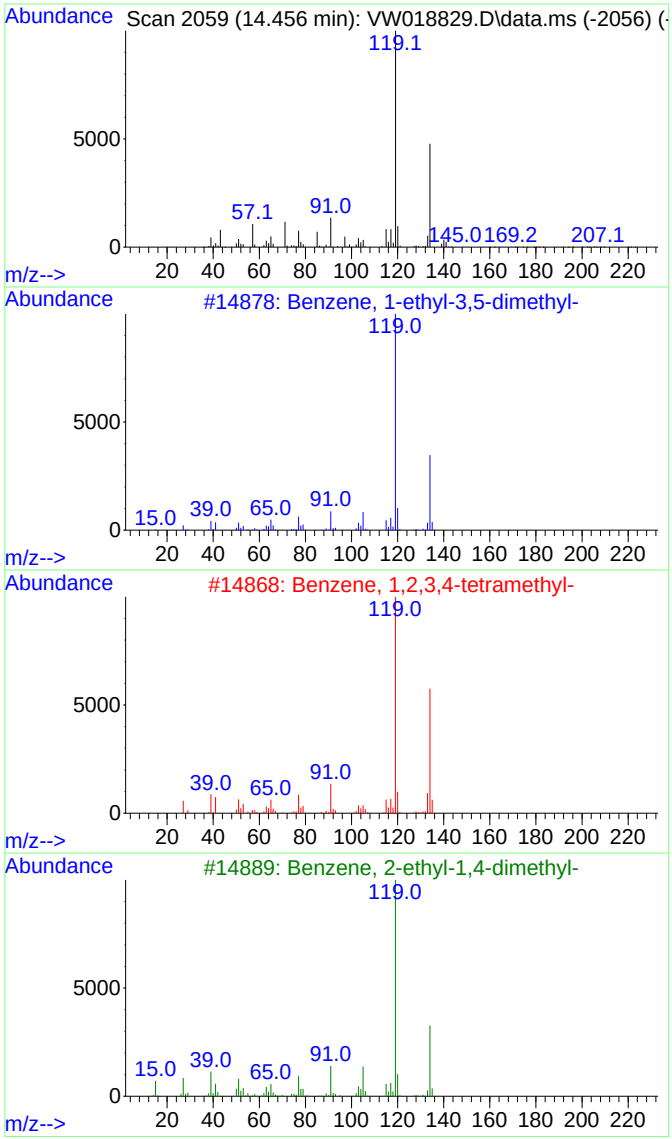
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

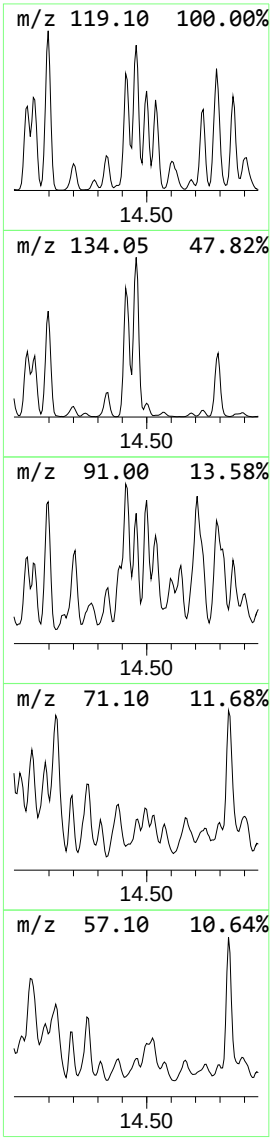
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 57 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.457	3.89 ug/L	2447710	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

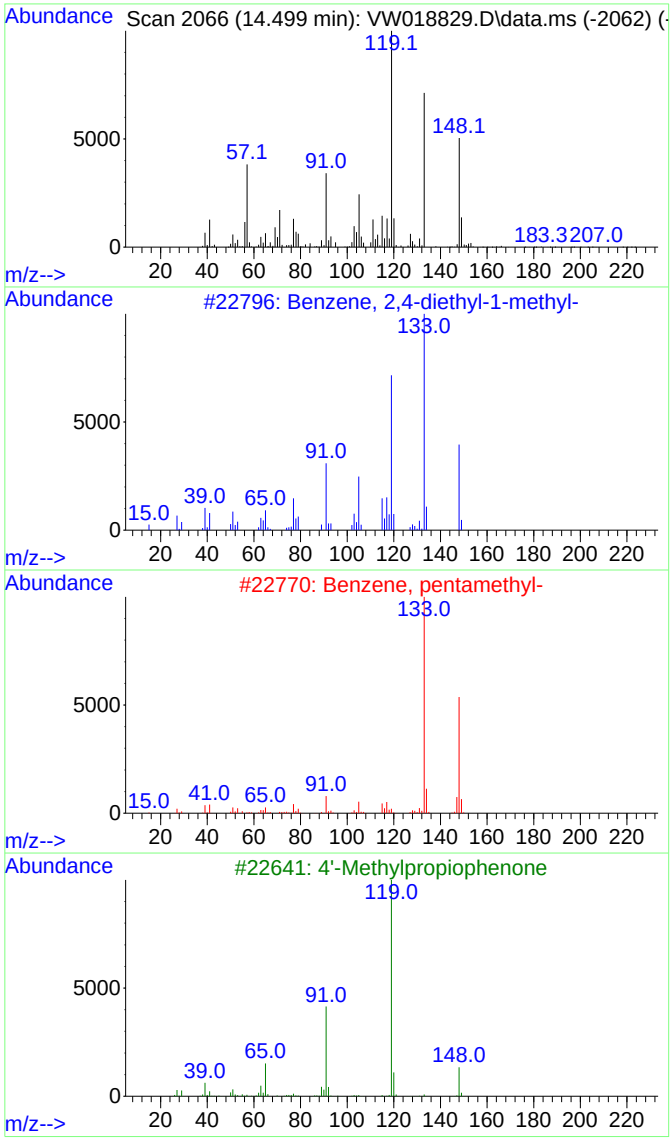
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

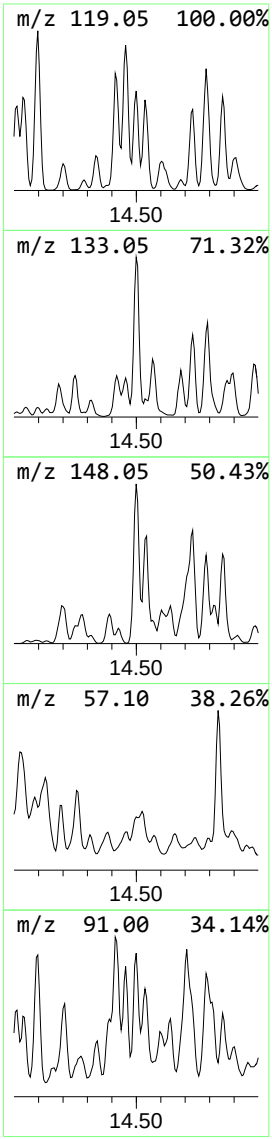
****

Peak Number 58 unknown-02 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.499	4.87 ug/L	3070860	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	47
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	45
3	4'-Methylpropiophenone	148	C10H12O	005337-93-9	43
4	7-Methoxymethyl-2,7-dimethylcycl...	164	C11H16O	073992-48-0	41
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

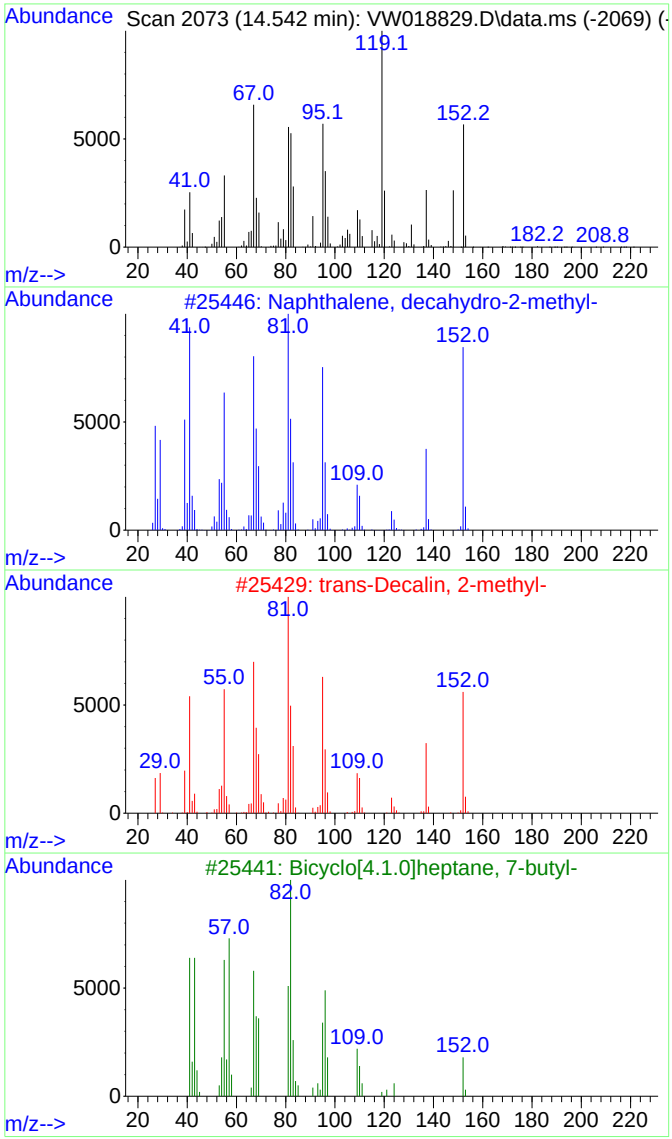
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

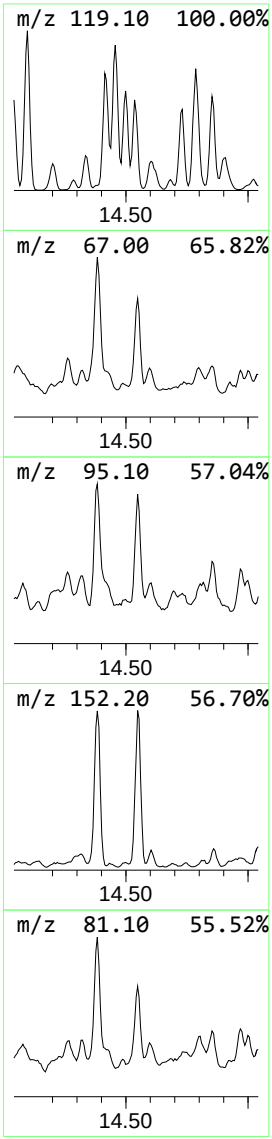
****

Peak Number 59 unknown-03 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.542	7.15 ug/L	4503770	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	46
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	38
3	Bicyclo[4.1.0]heptane, 7-butyl-	152	C11H20	018645-10-8	38
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	30
5	Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

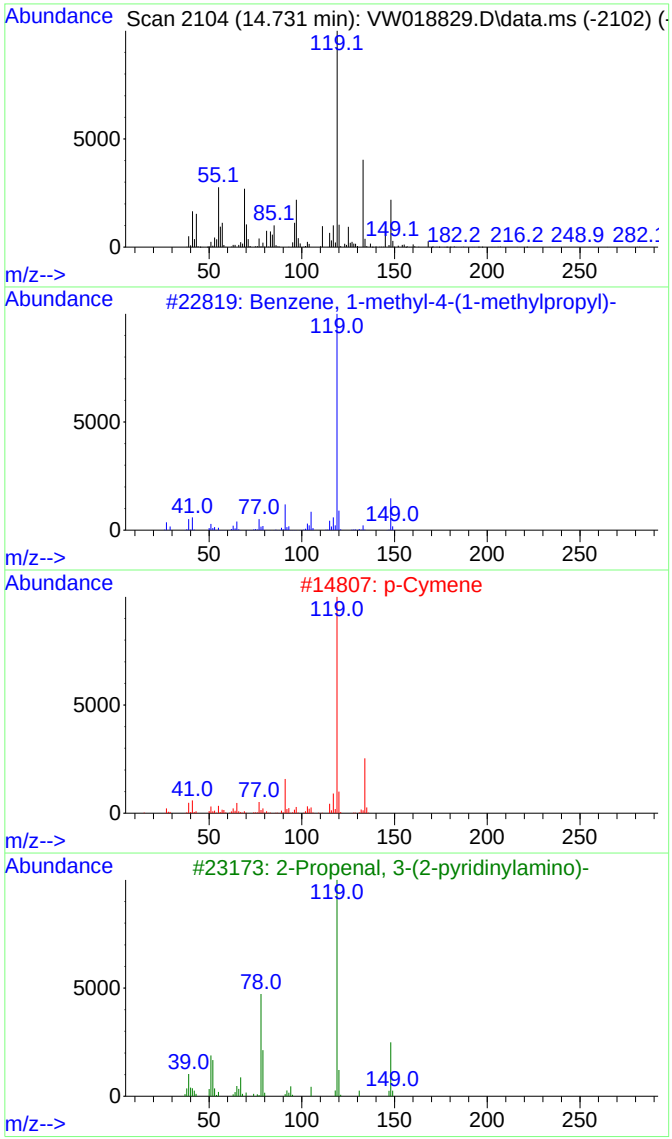
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

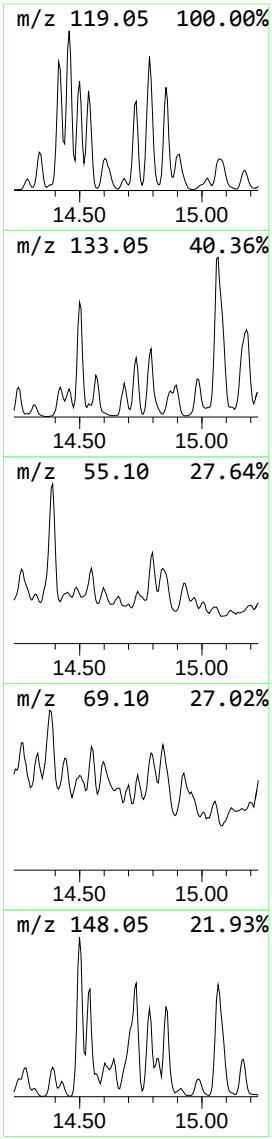
****

Peak Number 60 unknown-04 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.731	2.29 ug/L	1439900	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	43
2	p-Cymene	134	C10H14	000099-87-6	38
3	2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	38
4	1-Chloro-2-methyl-2-phenylpropane	168	C10H13Cl	000515-40-2	35
5	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

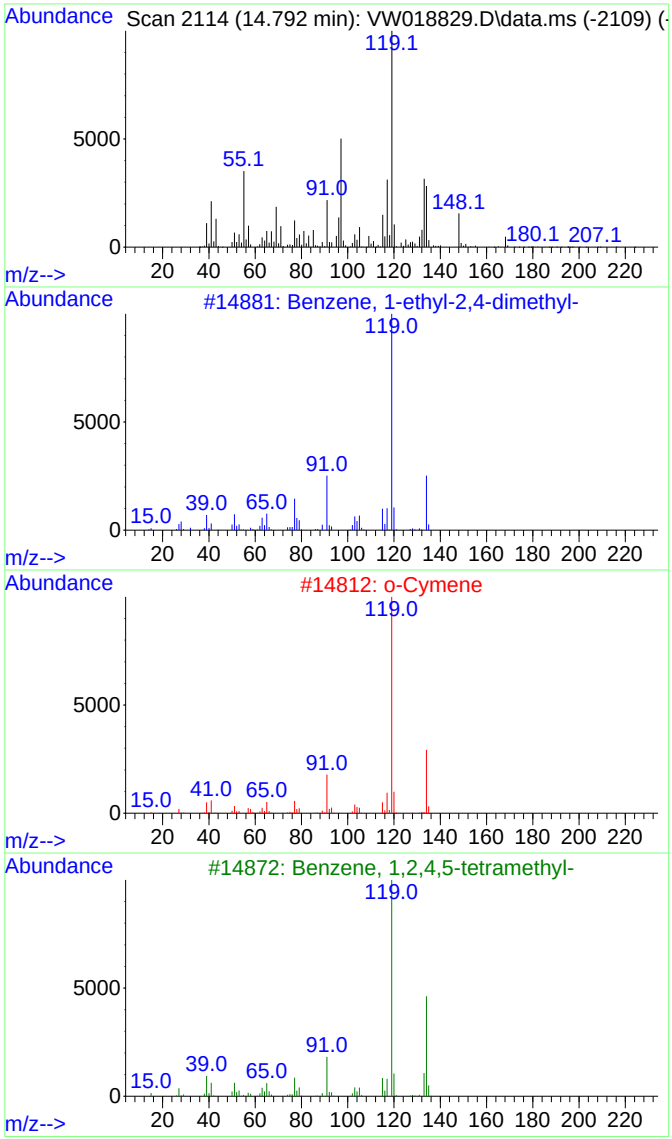
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

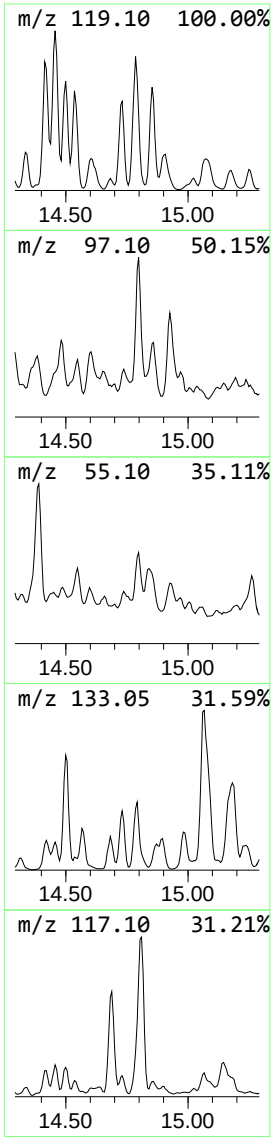
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 61 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.792	9.68 ug/L	6100870	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	86
2	o-Cymene	134	C10H14	000527-84-4	55
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	55
4	o-Cymene	134	C10H14	000527-84-4	50
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

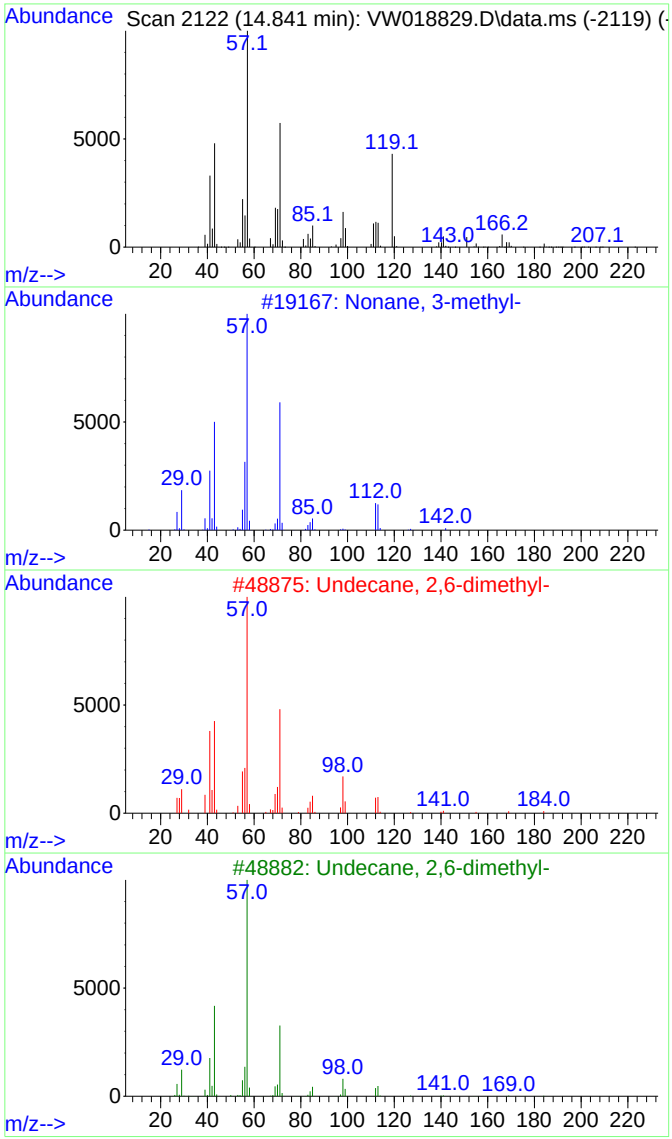
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

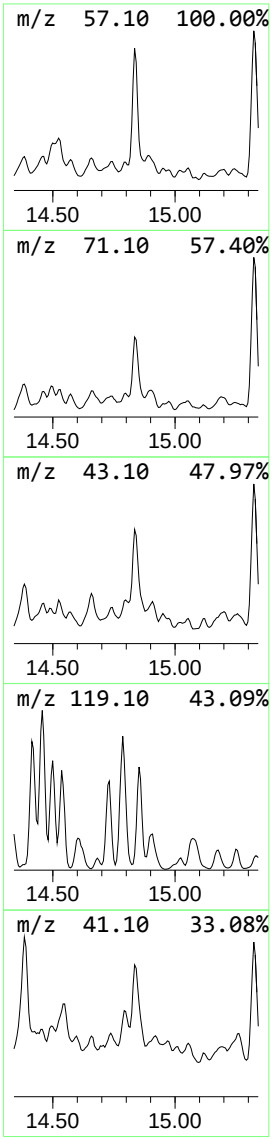
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 62 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.841	8.82 ug/L	5556620	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	55
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	52
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50
5	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587

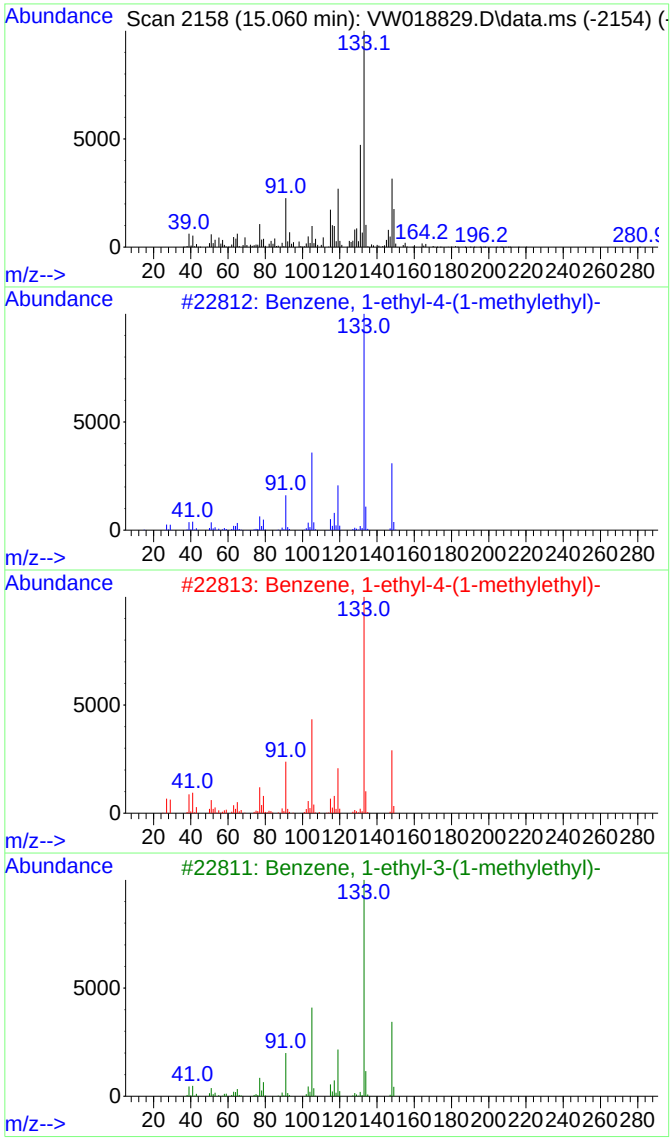
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

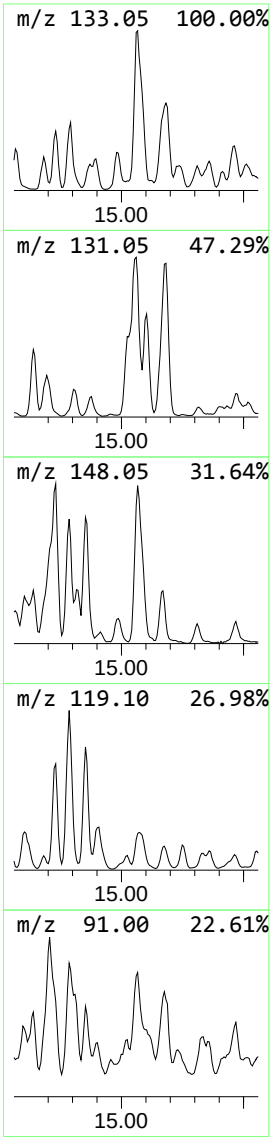
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 63 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	3.44 ug/L	2167030	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	70
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	62
3	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	62
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	52
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

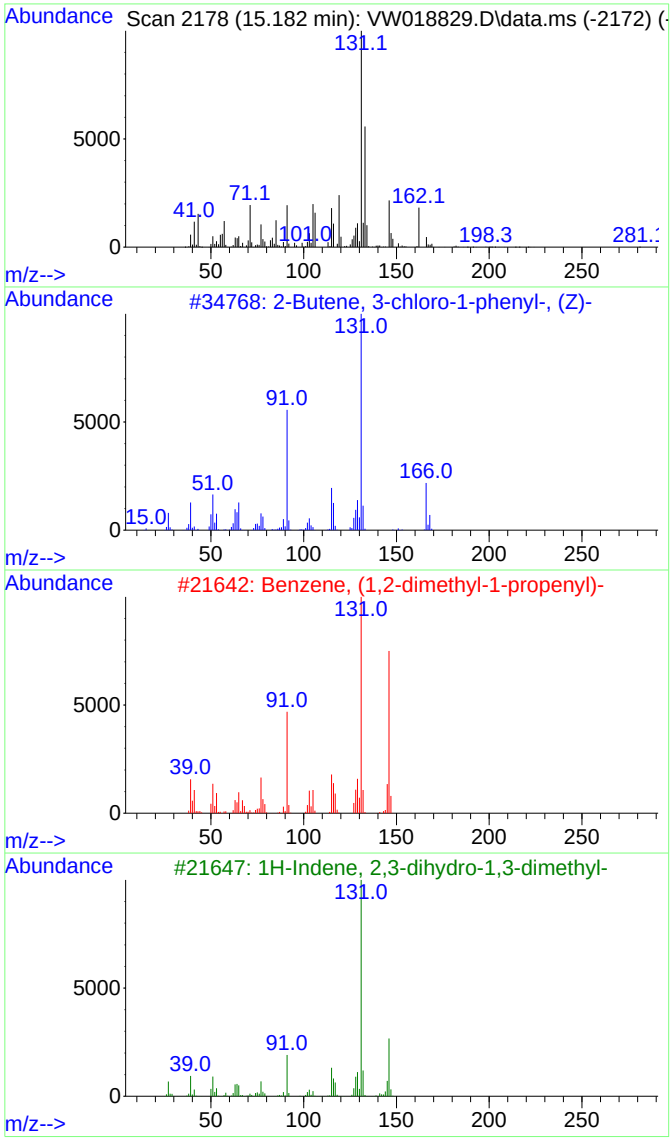
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

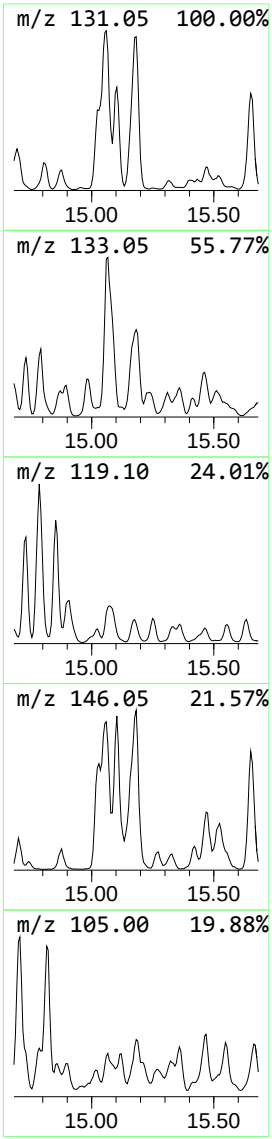
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 64 2-Butene, 3-chloro-1-phenyl... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.182	4.43 ug/L	2791000	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 3-chloro-1-phenyl-, (Z)-	166	C10H11Cl	016608-68-7	64
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	60
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	60
4	Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	60
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

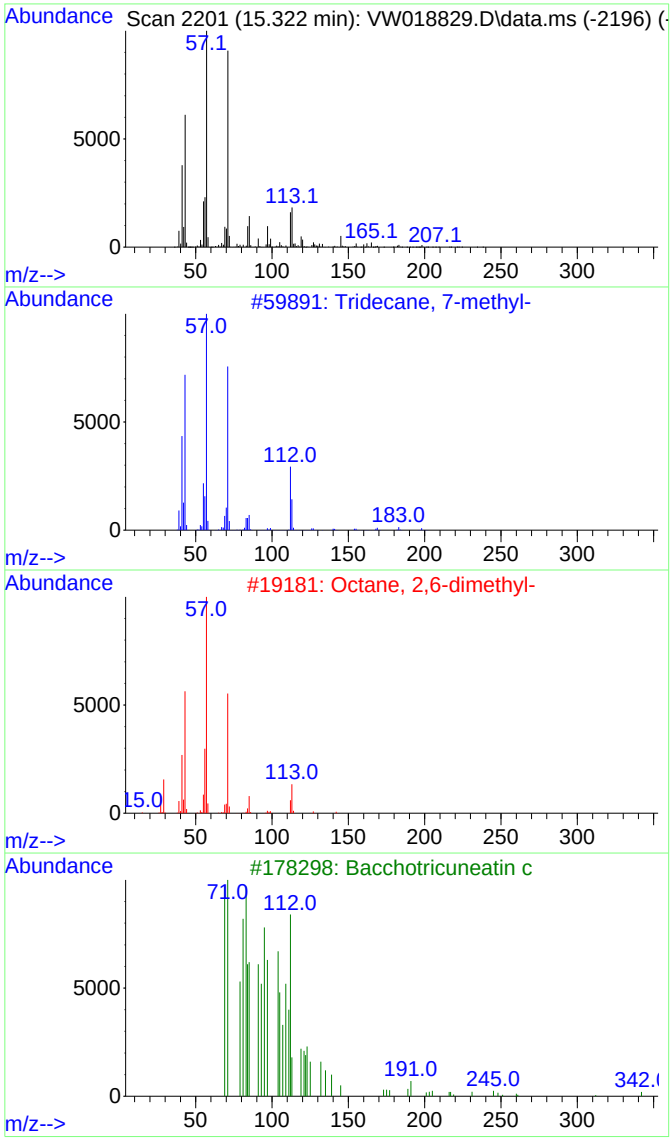
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

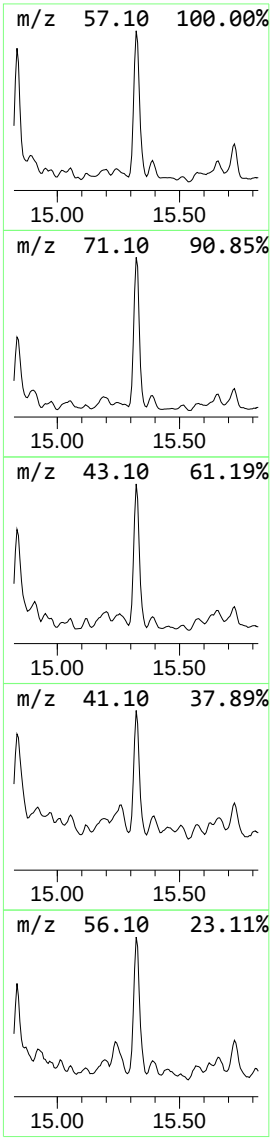
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 65 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	11.54 ug/L	7272160	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-methyl-	198	C14H30	026730-14-3	81
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80
3	Bacchotricuneatin c	342	C20H22O5	066563-30-2	80
4	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	59
5	Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

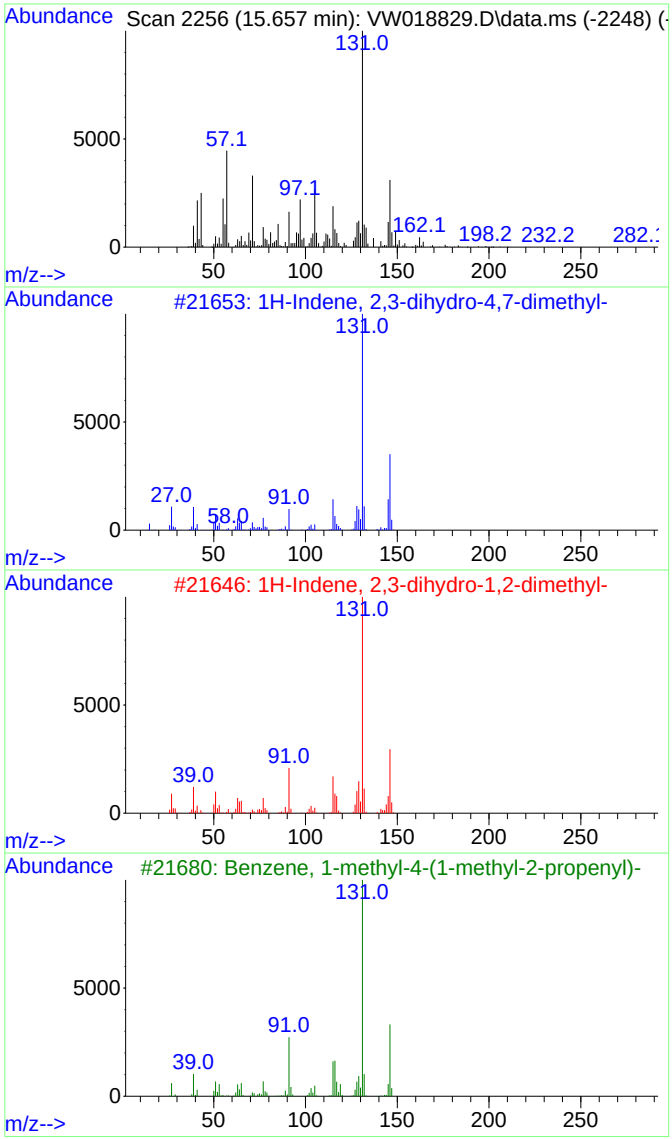
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

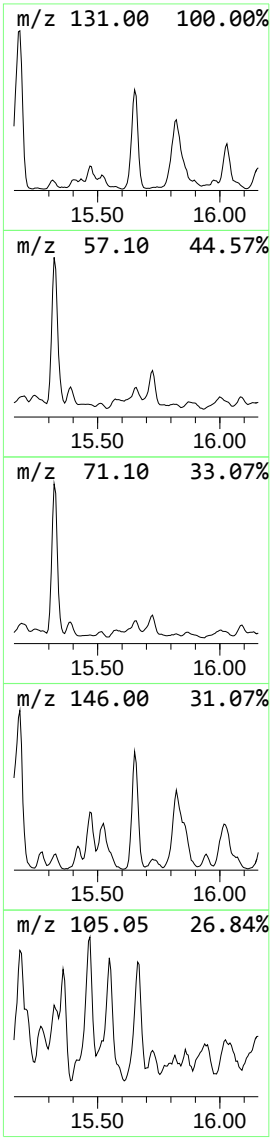
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 66 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.658	5.20 ug/L	3273290	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	92
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	86
3	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	86
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	70
5	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

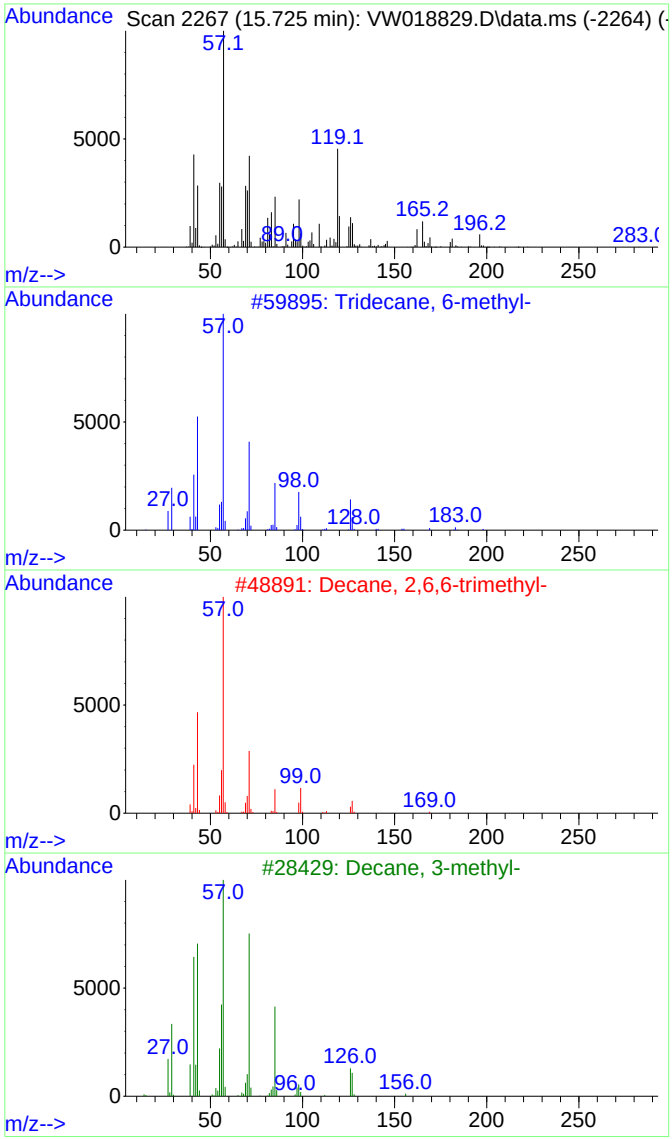
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

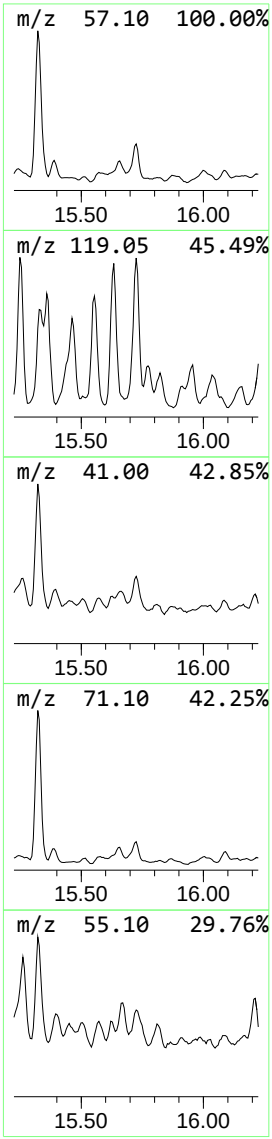
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 67 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.725	3.35 ug/L	2108000	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	55
2	Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	35
3	Decane, 3-methyl-	156	C11H24	013151-34-3	35
4	Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	27
5	Decane, 3-methyl-	156	C11H24	013151-34-3	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587

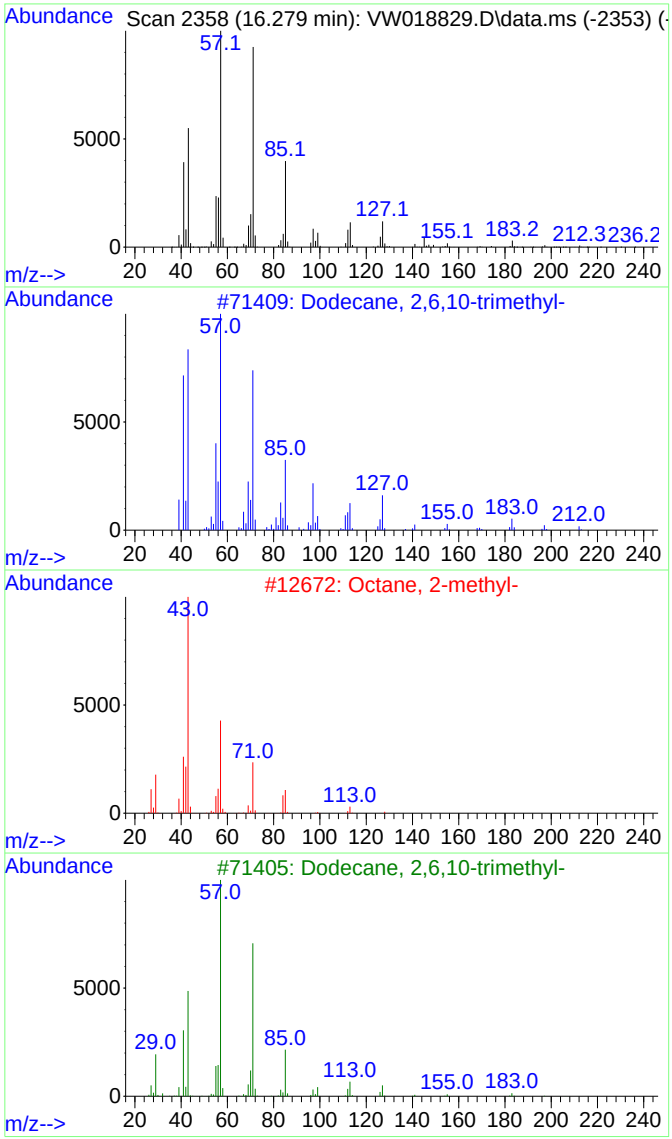
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

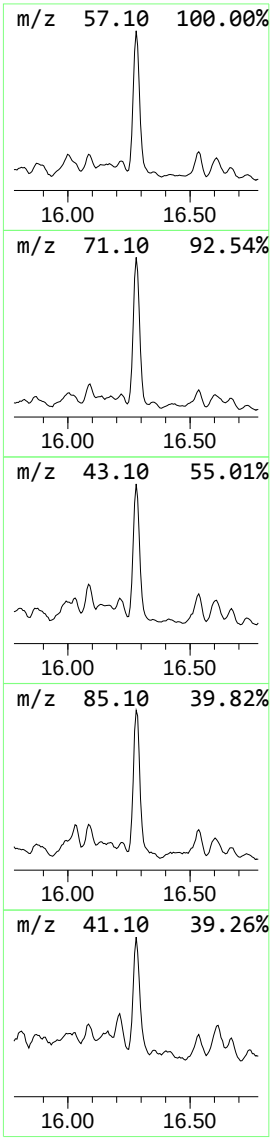
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 68 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.279	6.56 ug/L	4131600	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	94
2	Octane, 2-methyl-	128	C9H20	003221-61-2	87
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
5	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042821\
Data File : VW018829.D
Acq On : 28 Apr 2021 18:43
Operator : SY/VA
Sample : M2177-17
Misc : 4.49G/10ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	5.946	1.3	ug/L	52938	1	8.842	1036370	25.0
(DEL) Alkane: S...	6.879	1.9	ug/L	80445	1	8.842	1036370	25.0
(DEL) Alkane: C...	6.982	1.3	ug/L	53015	1	8.842	1036370	25.0
(DEL) Alkane: S...	8.037	3.8	ug/L	157578	1	8.842	1036370	25.0
(DEL) Alkane: S...	8.159	4.8	ug/L	198675	1	8.842	1036370	25.0
(DEL) Alkane: S...	8.482	86.7	ug/L	3593660	1	8.842	1036370	25.0
(DEL) Alkane: C...	9.073	1.5	ug/L	60478	1	8.842	1036370	25.0
(DEL) Alkane: S...	9.470	8.6	ug/L	355019	1	8.842	1036370	25.0
(DEL) Alkane: C...	9.512	2.7	ug/L	112734	1	8.842	1036370	25.0
(DEL) Alkane: S...	9.610	7.5	ug/L	311391	1	8.842	1036370	25.0
(DEL) Alkane: S...	9.762	88.9	ug/L	3687160	1	8.842	1036370	25.0
(DEL) Alkane: S...	9.896	125.3	ug/L	5192350	1	8.842	1036370	25.0
(DEL) Alkane: S...	9.994	3.2	ug/L	132598	1	8.842	1036370	25.0
Hexyl n-valerate	10.091	17.5	ug/L	724423	1	8.842	1036370	25.0
(DEL) Alkane: S...	10.250	38.0	ug/L	5388750	2	11.634	3544900	25.0
(DEL) Alkane: C...	10.445	2.2	ug/L	316223	2	11.634	3544900	25.0
(DEL) Alkane: S...	10.488	1.6	ug/L	220524	2	11.634	3544900	25.0
(DEL) Alkane: C...	10.665	1.8	ug/L	249217	2	11.634	3544900	25.0
(DEL) Alkane: S...	10.768	12.4	ug/L	1757520	2	11.634	3544900	25.0
(DEL) Alkane: S...	10.847	4.5	ug/L	638035	2	11.634	3544900	25.0
(DEL) Alkane: C...	11.000	1.8	ug/L	257623	2	11.634	3544900	25.0
(DEL) Alkane: S...	11.036	12.0	ug/L	1702250	2	11.634	3544900	25.0
(DEL) Alkane: C...	11.110	1.9	ug/L	268146	2	11.634	3544900	25.0
(DEL) Alkane: C...	11.183	2.5	ug/L	362090	2	11.634	3544900	25.0
Pyrazol-4-amine...	11.232	6.2	ug/L	884492	2	11.634	3544900	25.0
1,2,4,4-Tetrame...	11.280	2.8	ug/L	398226	2	11.634	3544900	25.0
(DEL) Alkane: S...	11.341	7.3	ug/L	1034950	2	11.634	3544900	25.0
(DEL) Alkane: S...	11.402	4.5	ug/L	640063	2	11.634	3544900	25.0
(DEL) Alkane: C...	11.439	6.6	ug/L	942013	2	11.634	3544900	25.0
(DEL) Alkane: S...	11.512	13.0	ug/L	1849490	2	11.634	3544900	25.0
(DEL) Alkane: C...	11.914	5.6	ug/L	797092	2	11.634	3544900	25.0
(DEL) Alkane: C...	11.975	2.4	ug/L	341235	2	11.634	3544900	25.0
(DEL) Alkane: S...	12.024	3.1	ug/L	439187	2	11.634	3544900	25.0
(DEL) Alkane: S...	12.067	7.8	ug/L	1109840	2	11.634	3544900	25.0
(DEL) Alkane: S...	12.250	31.5	ug/L	4472610	2	11.634	3544900	25.0
(DEL) Alkane: S...	12.335	23.2	ug/L	3294140	2	11.634	3544900	25.0
(DEL) Alkane: S...	12.365	20.0	ug/L	2834140	2	11.634	3544900	25.0
(DEL) Alkane: S...	12.591	70.1	ug/L	9943320	2	11.634	3544900	25.0
(DEL) Alkane: S...	12.756	4.4	ug/L	2761030	3	13.560	15749800	25.0
Oxalic acid, cy...	12.859	3.7	ug/L	2358490	3	13.560	15749800	25.0
(DEL) Alkane: S...	13.079	3.8	ug/L	2399980	3	13.560	15749800	25.0
(DEL) Alkane: S...	13.128	3.5	ug/L	2210510	3	13.560	15749800	25.0
Octyl thioglyco...	13.164	4.9	ug/L	3062740	3	13.560	15749800	25.0
(DEL) Alkane: S...	13.195	5.9	ug/L	3708430	3	13.560	15749800	25.0
(DEL) Alkane: S...	13.341	3.2	ug/L	1999370	3	13.560	15749800	25.0
(DEL) Alkane: S...	13.408	19.2	ug/L	12096400	3	13.560	15749800	25.0
(DEL) Alkane: C...	13.445	6.6	ug/L	4153850	3	13.560	15749800	25.0
(DEL) Alkane: S...	13.481	2.7	ug/L	1680870	3	13.560	15749800	25.0
(DEL) Alkane: C...	13.701	4.5	ug/L	2848640	3	13.560	15749800	25.0
(DEL) Alkane: S...	13.768	7.7	ug/L	4831420	3	13.560	15749800	25.0
Benzene, 4-ethy...	14.091	3.9	ug/L	2439460	3	13.560	15749800	25.0
(DEL) Alkane: S...	14.194	6.2	ug/L	3873300	3	13.560	15749800	25.0

(DEL) Alkane: S...	14.261	5.6	ug/L	3518320	3	13.560	15749800	25.0
unknown-01	14.316	1.9	ug/L	1166930	3	13.560	15749800	25.0
Naphthalene, de...	14.383	10.9	ug/L	6885820	3	13.560	15749800	25.0
Benzene, 1-ethy...	14.457	3.9	ug/L	2447710	3	13.560	15749800	25.0
unknown-02	14.499	4.9	ug/L	3070860	3	13.560	15749800	25.0
unknown-03	14.542	7.2	ug/L	4503770	3	13.560	15749800	25.0
unknown-04	14.731	2.3	ug/L	1439900	3	13.560	15749800	25.0
Benzene, 1-ethy...	14.792	9.7	ug/L	6100870	3	13.560	15749800	25.0
(DEL) Alkane: S...	14.841	8.8	ug/L	5556620	3	13.560	15749800	25.0
Benzene, 1-ethy...	15.060	3.4	ug/L	2167030	3	13.560	15749800	25.0
2-Butene, 3-chl...	15.182	4.4	ug/L	2791000	3	13.560	15749800	25.0
(DEL) Alkane: S...	15.322	11.5	ug/L	7272160	3	13.560	15749800	25.0
1H-Indene, 2,3-...	15.658	5.2	ug/L	3273290	3	13.560	15749800	25.0
(DEL) Alkane: S...	15.725	3.4	ug/L	2108000	3	13.560	15749800	25.0
(DEL) Alkane: S...	16.279	6.6	ug/L	4131600	3	13.560	15749800	25.0

Instrument :
MSVOA_W
ClientSampleId :
BG587