LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

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\SFAMWLM042921SMA.M
Title : SFAM01.0

Signal : TIC: VW018847.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.989	11	14	30	rVB2	23768	59379	0.44%	0.038%
2	2.160	36	42	46	rBV	13498	27987	0.21%	0.018%
3	2.355	65	74	89	rVB	150326	315335	2.31%	0.204%
4	2.891	154	162	175	rBV	107042	266233	1.95%	0.172%
5	4.019	336	347	360	rBV	214956	674924	4.95%	0.437%
6	4.135	360	366	375	rVB	16099	43937	0.32%	0.028%
7	4.403	394	410	411	rBV2	10488	28323	0.21%	0.018%
8	4.921	483	495	516	rBV3	37711	171365	1.26%	0.111%
9	5.440	565	580	590	rBV4	13936	48285	0.35%	0.031%
10	5.946	652	663	673	rBV2	15252	45055	0.33%	0.029%
11	6.878	803	816	825	rBV3	18865	63526	0.47%	0.041%
12	6.988	825	834	841	rBV2	20302	55095	0.40%	0.036%
13	7.086	842	850	855	rBV2	53993	148675	1.09%	0.096%
14	7.647	932	942	959	rBV	324250	821472	6.02%	0.532%
15	7.927	980	988	998	rVV4	33251	119039	0.87%	0.077%
16	8.037	999	1006	1015	rVV2	53151	132931	0.97%	0.086%
17	8.159	1019	1026	1033	rBV	70072	159710	1.17%	0.103%
18	8.275	1035	1045	1061	rVB2	634210	1961289	14.38%	1.269%
19	8.482	1063	1079	1091	rBV	732141	2185146	16.03%	1.414%
20	8.573	1091	1094	1103	rVB2	39637	82635	0.61%	0.053%
21	8.841	1130	1138	1149	rBV	686132	1389537	10.19%	0.899%
22	9.073	1166	1176	1180	rVV3	28531	84474	0.62%	0.055%
23	9.116	1181	1183	1193	rVB4	16017	39667	0.29%	0.026%
24	9.274	1201	1209	1214	rBV	438571	997026	7.31%	0.645%
25	9.335	1214	1219	1224	rVV2	528563	1127018	8.27%	0.729%
26	9.384	1224	1227	1235	rVV	244885	447454	3.28%	0.290%
27	9.469	1235	1241	1245	rVV	90720	194304	1.42%	0.126%
28	9.512	1246	1248	1254	rVB3	56998	95823	0.70%	0.062%
29	9.610	1256	1264	1272	rBV3	102874	231801	1.70%	0.150%
30	9.762	1281	1289	1299	rBV	1026249	2150525	15.77%	1.392%
31	9.896	1299	1311	1323	rBV	1402910	3273732	24.01%	2.119%
32	9.994	1323	1327	1329	rVV	54799	83236	0.61%	0.054%
33	10.036	1329	1334	1338	rVV	143114	244706	1.79%	0.158%
34	10.085	1338	1342	1347	rVB4	69020	146456	1.07%	0.095%
35	10.250	1357	1369	1375	rBV	983412	1887516	13.84%	1.222%
36	10.323	1375	1381	1393	rBV	1072570	2079502	15.25%	1.346%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

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\SFAMWLM042921SMA.M
Title : SFAM01.0

37	10.445	1397	1401	1404	rBV	89780	143837	1.05%	0.093%
38	10.494	1404	1409	1410	rBV2	99461	150876	1.11%	0.098%
39	10.579	1418	1423	1427	rBV	127654	237665	1.74%	0.154%
40	10.664	1433	1437	1441	rBV	126372	240952	1.77%	0.156%
41	10.768	1445	1454	1462	rVB6	373998	1000414	7.34%	0.648%
42	10.847	1463	1467	1472	rVB2	167849	284742	2.09%	0.184%
43	10.933	1473	1481	1487	rBV2	544639	1109813	8.14%	0.718%
44	11.000	1487	1492	1493	rBV2	116937	173503	1.27%	0.112%
45	11.036	1494	1498	1506	rVB	321502	675770	4.96%	0.437%
46	11.109	1506	1510	1512	rBV3	118065	191903	1.41%	0.124%
47	11.140	1513	1515	1518	rVV2	113399	160093	1.17%	0.104%
48	11.183	1518	1522	1525	rVV	239651	409410	3.00%	0.265%
49	11.231	1525	1530	1535	rVV	386570	712594	5.23%	0.461%
50	11.286	1535	1539	1543	rVV4	143311	229533	1.68%	0.149%
51	11.341	1543	1548	1552	rVV2	375384	587529	4.31%	0.380%
52	11.384	1552	1555	1556	rVV2	115058	142920	1.05%	0.093%
53	11.439	1560	1564	1571	rVV4	364301	879767	6.45%	0.569%
54	11.512	1571	1576	1587	rVB3	409153	1096926	8.04%	0.710%
55	11.628	1588	1595	1600	rBV2	792189	1407417	10.32%	0.911%
56	11.725	1609	1611	1615	rBV2	68784	80174	0.59%	0.052%
57	11.762	1615	1617	1620	rVB2	108377	123432	0.91%	0.080%
58	11.817	1621	1626	1630	rBV4	272065	558284	4.09%	0.361%
59	11.871	1631	1635	1639	rVV2	705031	1149515	8.43%	0.744%
60	11.914	1639	1642	1647	rVB3	393518	643398	4.72%	0.416%
61	11.975	1647	1652	1654	rBV4	173216	302124	2.22%	0.196%
62	12.067	1663	1667	1672	rVB3	319670	499112	3.66%	0.323%
63	12.134	1672	1678	1685	rBV3	912644	2545981	18.67%	1.648%
64	12.249	1691	1697	1702	rVB	2043290	3439890	25.23%	2.227%
65	12.365	1702	1716	1724	rBV4	1637871	6582004	48.27%	4.260%
66	12.499	1735	1738	1746	rVB4	1135989	2231343	16.36%	1.444%
67	12.591	1746	1753	1756	rBV	649293	1311594	9.62%	0.849%
68	12.701	1763	1771	1775	rBV4	968783	2287677	16.78%	1.481%
69	12.780	1776	1784	1790	rVB5	1404142	3485456	25.56%	2.256%
70	12.859	1791	1797	1801	rBV4	944622	2156988	15.82%	1.396%
71	12.938	1801	1810	1815	rBV6	2110988	5929331	43.48%	3.838%
72	13.079	1829	1833	1836	rBV4	1124216	1779205	13.05%	1.152%
73	13.121	1836	1840	1845	rVV5	595393	1299377	9.53%	0.841%
74	13.249	1858	1861	1865	rBV	1206773	1498676	10.99%	0.970%
75	13.292	1865	1868	1872	rVB	1915935	2456076	18.01%	1.590%
76	13.341	1872	1876	1880	rBV	1477207	2153672	15.79%	1.394%

LSC Area Percent Report

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Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

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\SFAMWLM042921SMA.M
Title : SFAM01.0

77	13.469	1884	1897	1905	rVB8	4111302	13635412	100.00%	8.826%
78	13.591	1913	1917	1925	rVB4	1560365	2723417	19.97%	1.763%
79	13.700	1929	1935	1940	rBV4	1135936	2912688	21.36%	1.885%
80	13.792	1947	1950	1956	rVB4	617864	891803	6.54%	0.577%
81	13.877	1958	1964	1968	rBV4	2816023	5177981	37.97%	3.352%
82	13.920	1968	1971	1977	rVB4	1044015	1418369	10.40%	0.918%
83	13.981	1977	1981	1984	rBV3	1081409	1621726	11.89%	1.050%
84	14.091	1997	1999	2008	rVB3	2257471	4441660	32.57%	2.875%
85	14.194	2012	2016	2022	rBV3	1648713	3108886	22.80%	2.012%
86	14.261	2022	2027	2033	rVB5	1775236	2995196	21.97%	1.939%
87	14.316	2033	2036	2041	rBV5	680150	1330743	9.76%	0.861%
88	14.383	2042	2047	2051	rBV2	3567807	6308972	46.27%	4.084%
89	14.456	2056	2059	2062	rVB	1464634	1811702	13.29%	1.173%
90	14.499	2063	2066	2068	rBV2	595481	766024	5.62%	0.496%
91	14.542	2069	2073	2079	rVB6	1642625	3046399	22.34%	1.972%
92	14.731	2101	2104	2109	rVB3	776142	1042605	7.65%	0.675%
93	14.792	2110	2114	2119	rVV3	2309354	4793352	35.15%	3.103%
94	14.847	2120	2123	2129	rVB3	1709563	3237701	23.74%	2.096%
95	15.060	2154	2158	2164	rVB4	1113719	1801972	13.22%	1.166%
96	15.182	2172	2178	2183	rBV7	951092	2216926	16.26%	1.435%
97	15.322	2196	2201	2208	rBV	4368971	7368379	54.04%	4.769%
98	15.633	2248	2252	2253	rBV3	562193	827186	6.07%	0.535%
99	15.724	2264	2267	2275	rVB6	1171926	2221976	16.30%	1.438%
100	16.279	2353	2358	2367	rVB	2308865	4563966	33.47%	2.954%

Sum of corrected areas: 154497132

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
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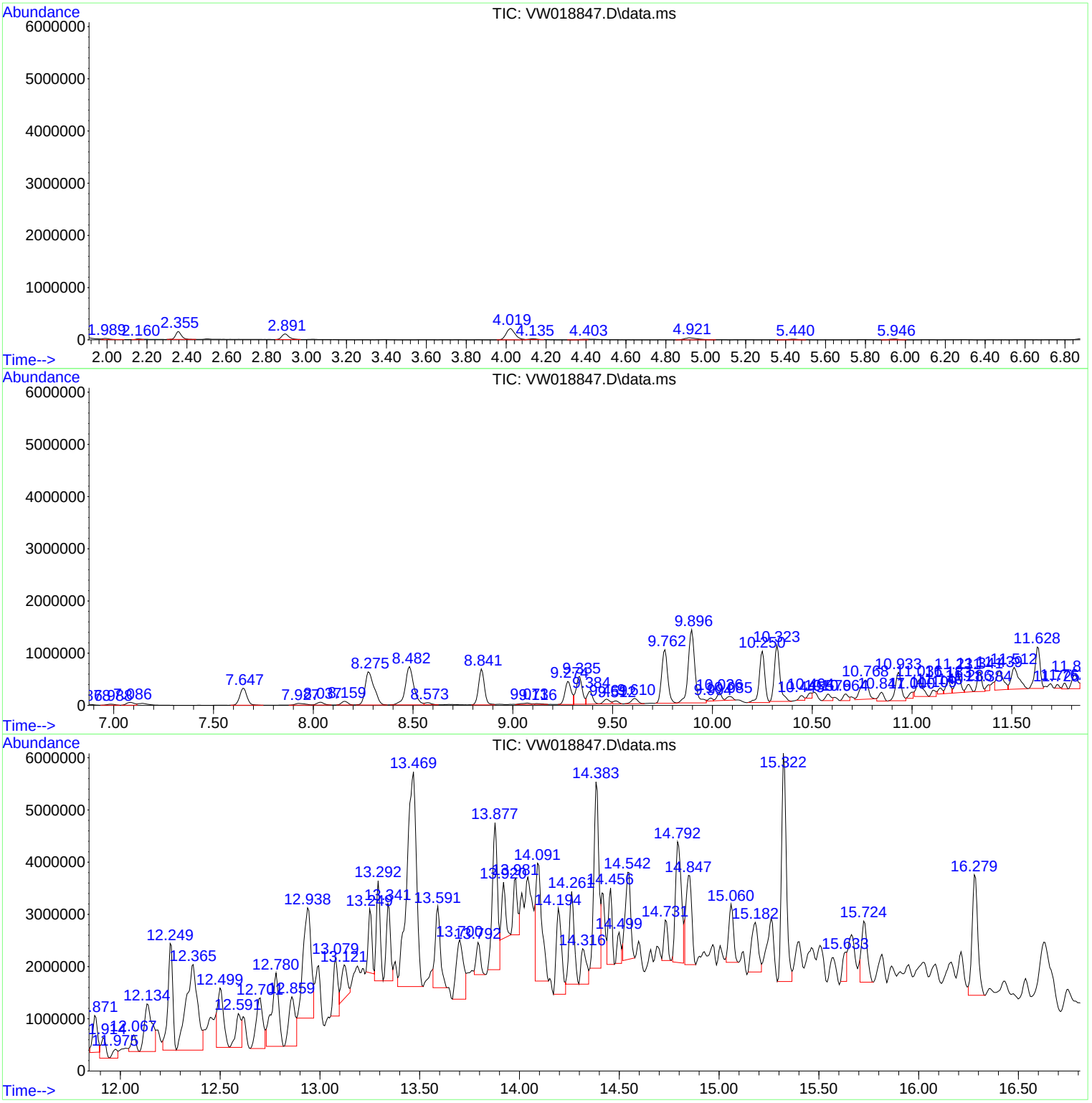
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

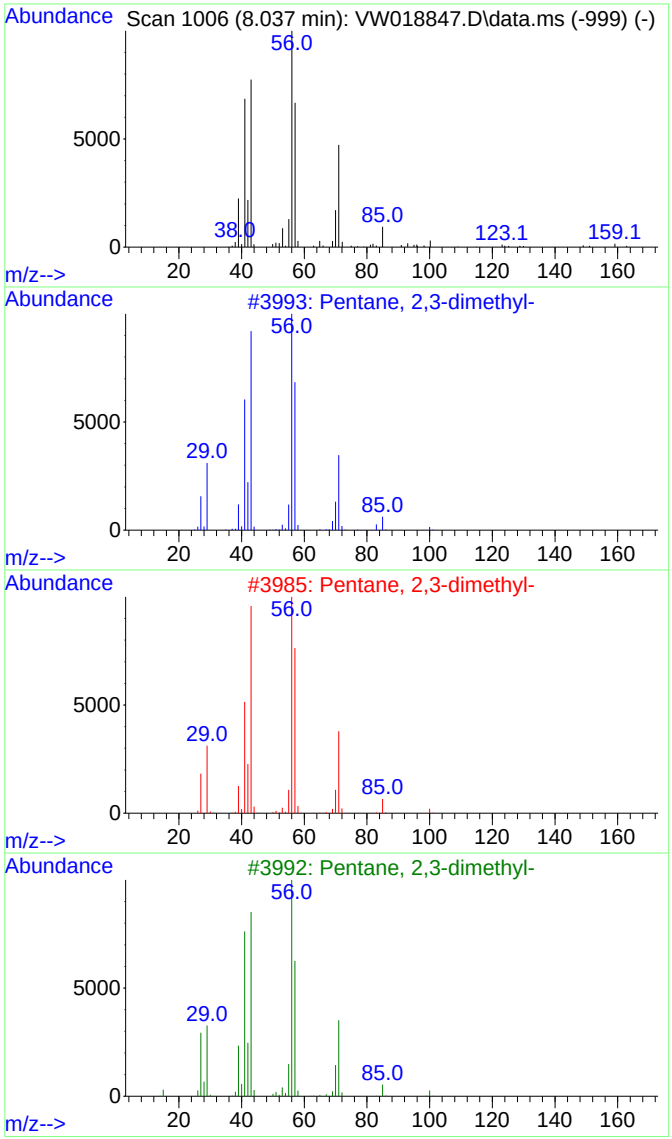
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

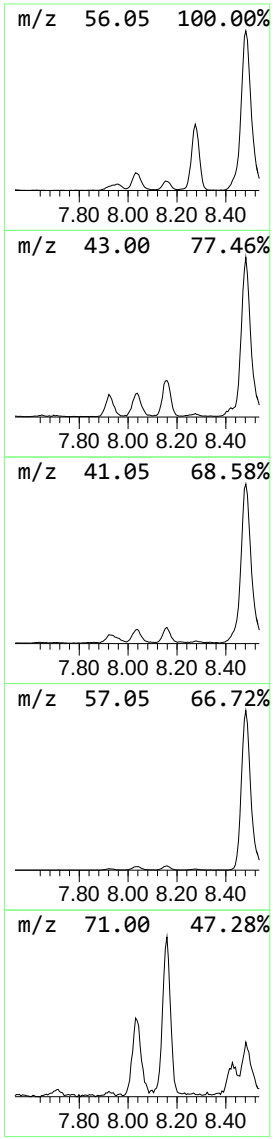
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.037	2.39 ug/L	132931	1,4-Difluorobenzene	8.841

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	87
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	80
5	Heptane	100	C7H16	000142-82-5	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

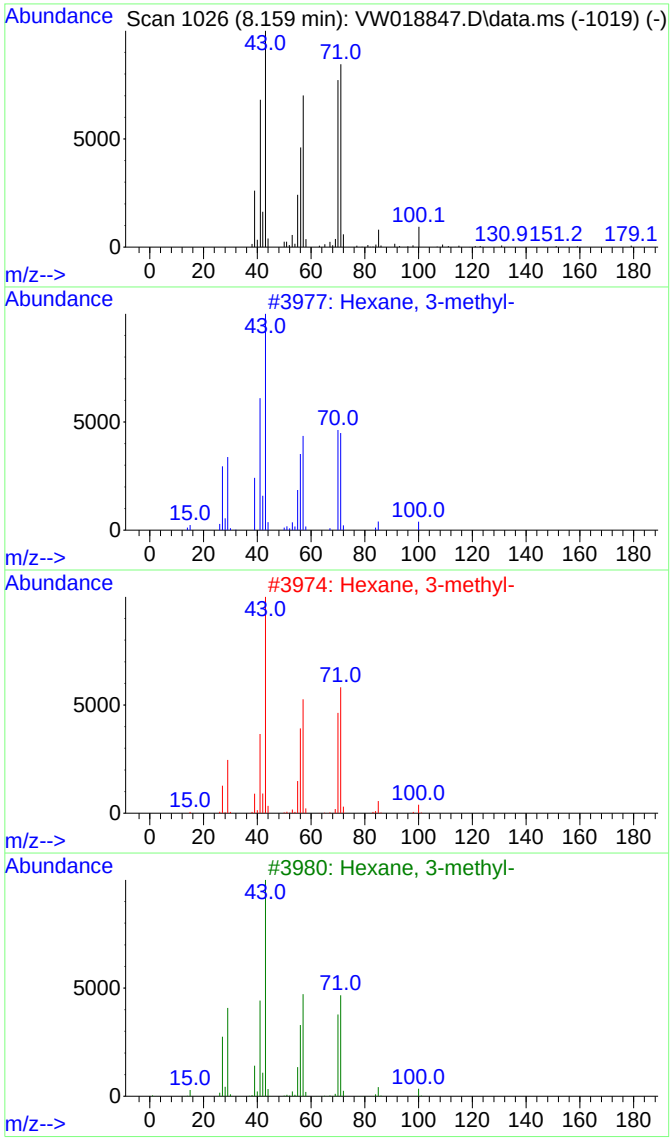
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

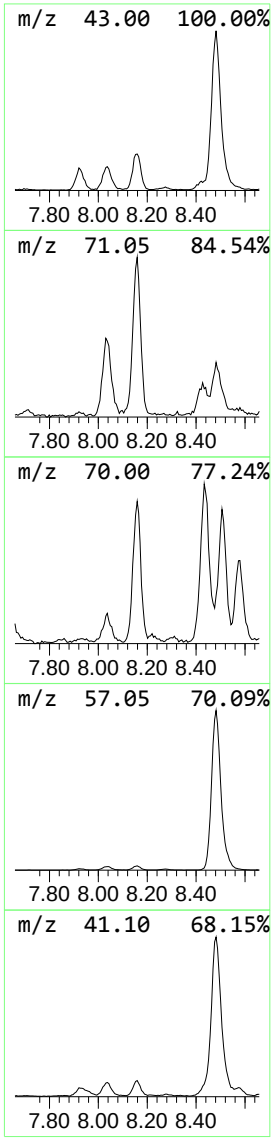
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.159	2.87 ug/L	159710	1,4-Difluorobenzene	8.841

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	Hexane, 3-methyl-	100	C7H16	000589-34-4	90
4	Heptane	100	C7H16	000142-82-5	68
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
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Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

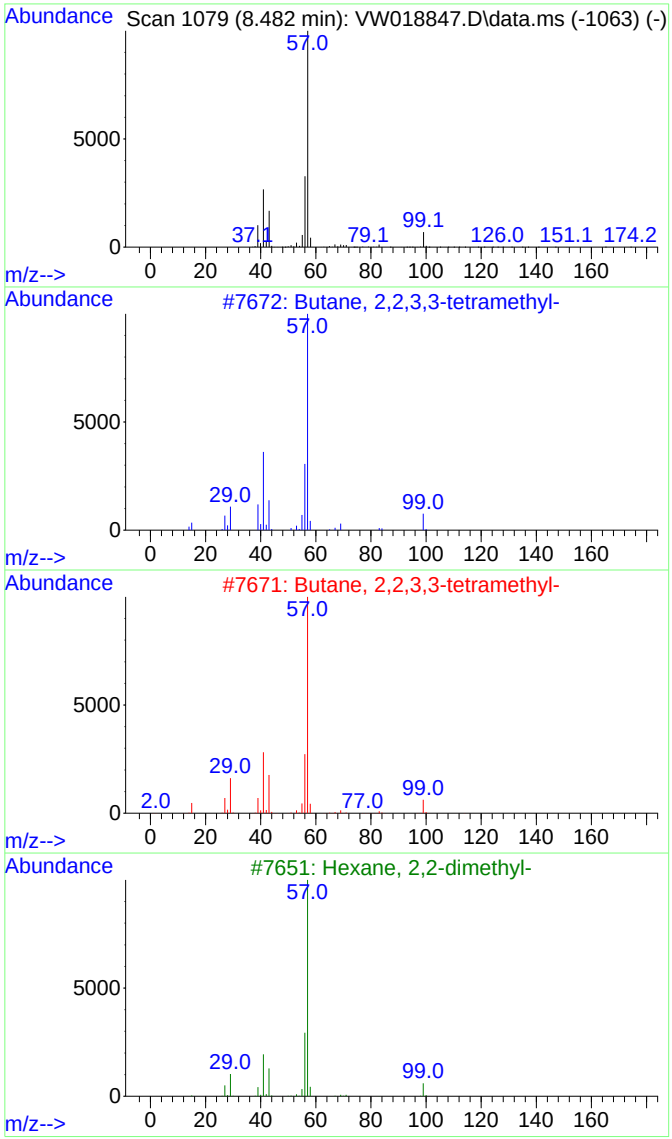
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

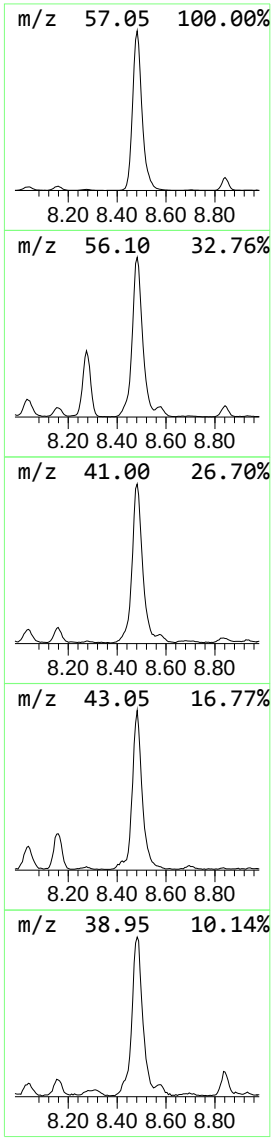
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.482	39.31 ug/L	2185150	1,4-Difluorobenzene	8.841

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	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
4	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
5	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

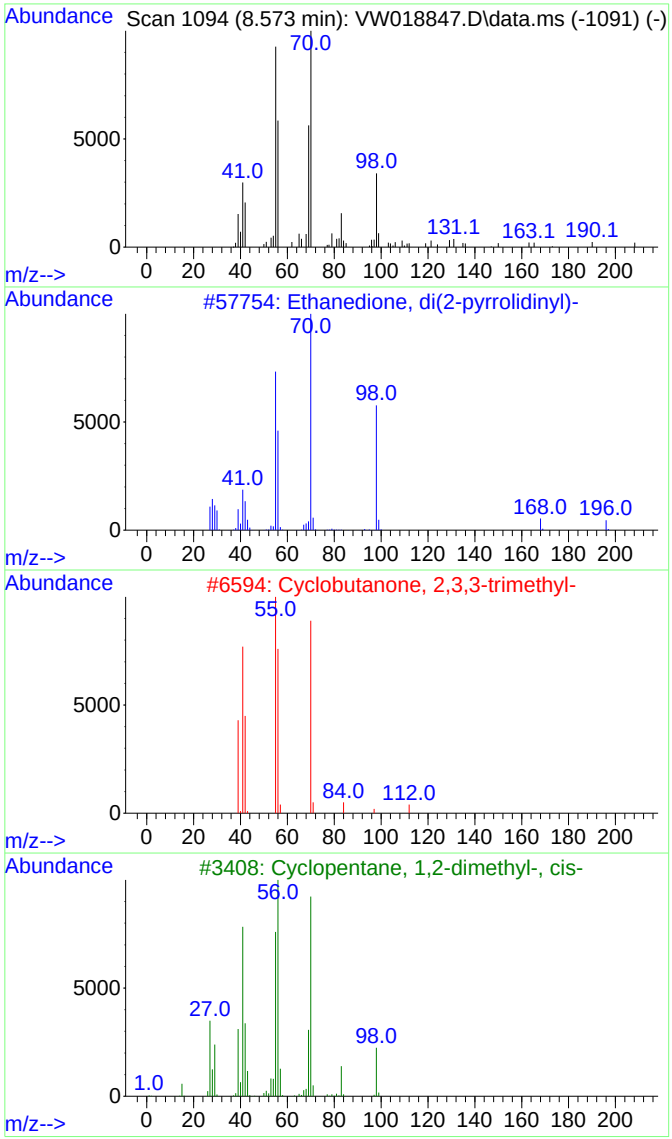
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

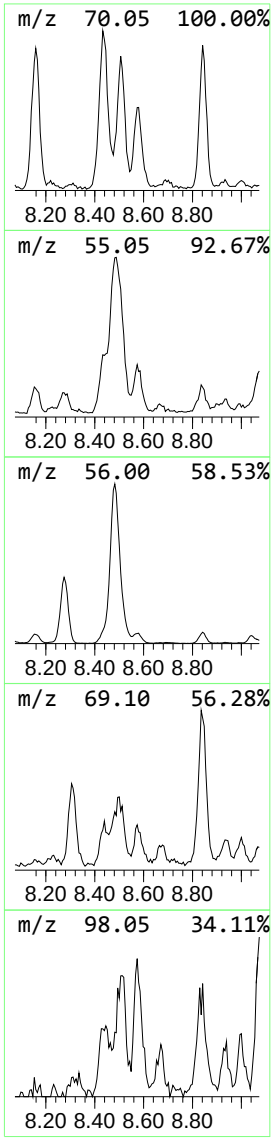
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Ethanedione, di(2-pyrrolidi... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.573	1.49 ug/L	82635	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanedione, di(2-pyrrolidinyl)-	196	C10H16N2O2	1000151-78-0	78
2	Cyclobutanone, 2,3,3-trimethyl-	112	C7H12O	028290-01-9	64
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	64
4	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	47
5	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

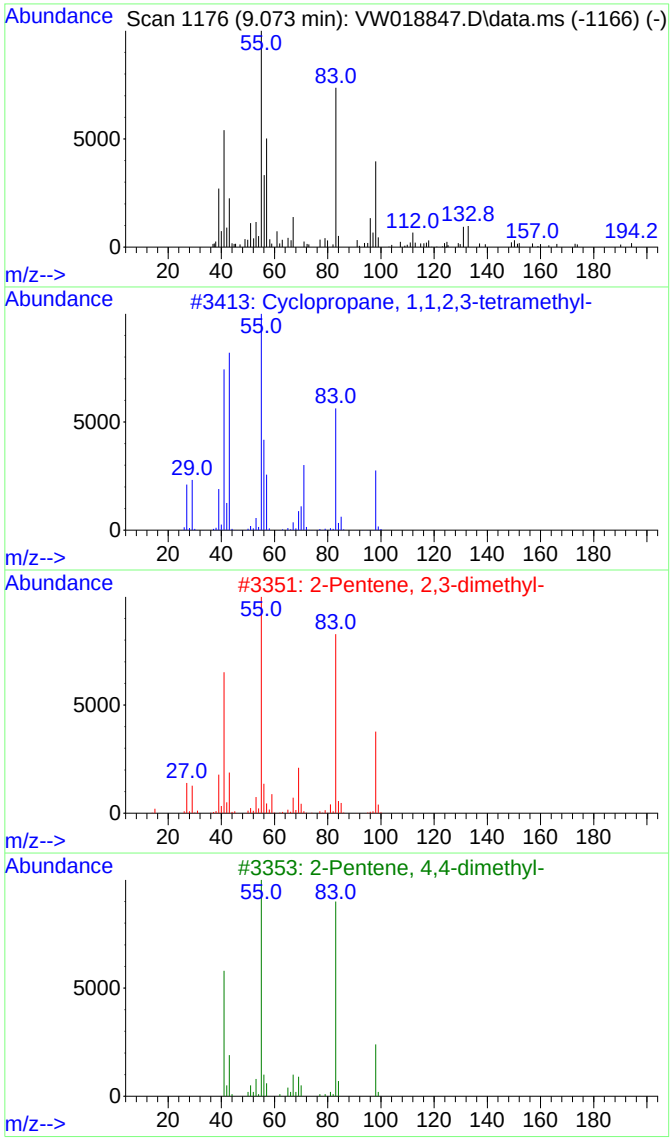
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

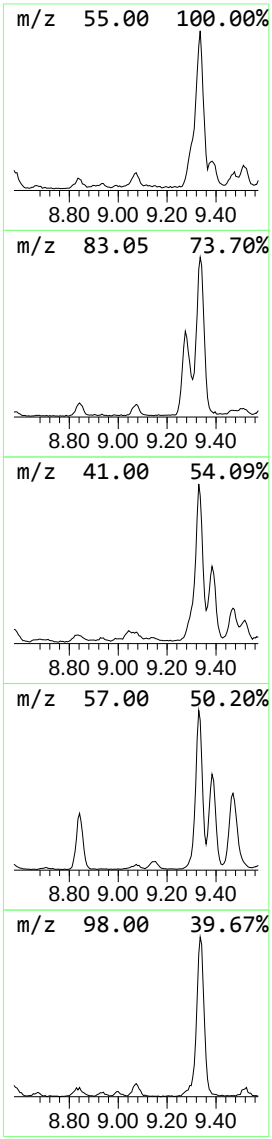
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Cyclic9.073 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.073	1.52 ug/L	84474	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1,2,3-tetramethyl-	98	C7H14	074752-93-5	64
2	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	64
3	2-Pentene, 4,4-dimethyl-	98	C7H14	026232-98-4	58
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	58
5	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

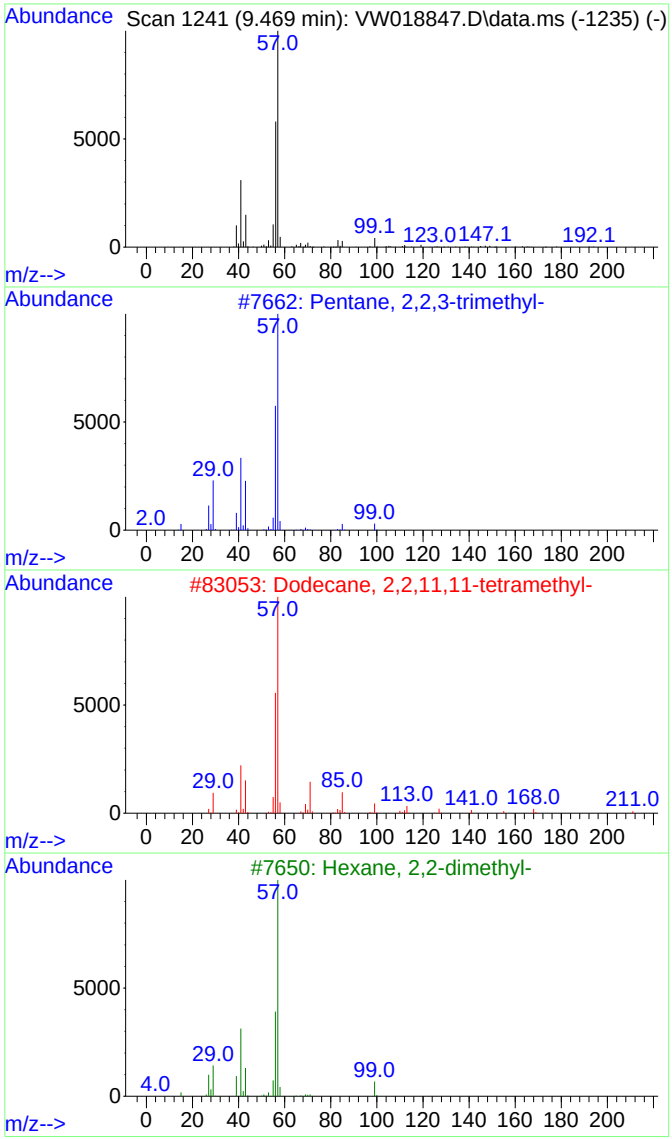
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

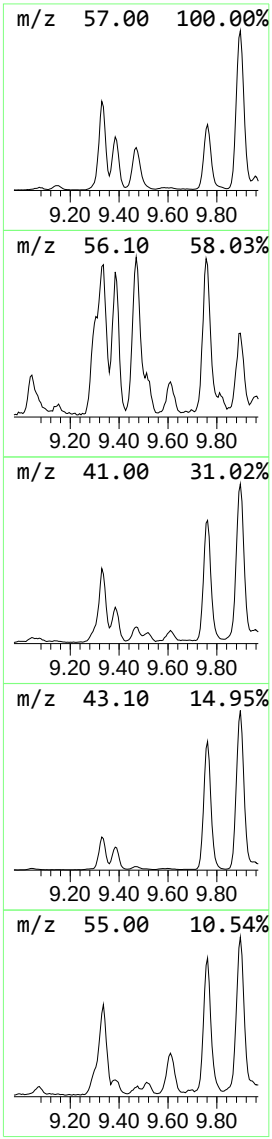
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.469	3.50 ug/L	194304	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	72
2	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	64
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64
4	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64
5	Pentane, 3-methyl-	86	C6H14	000096-14-0	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

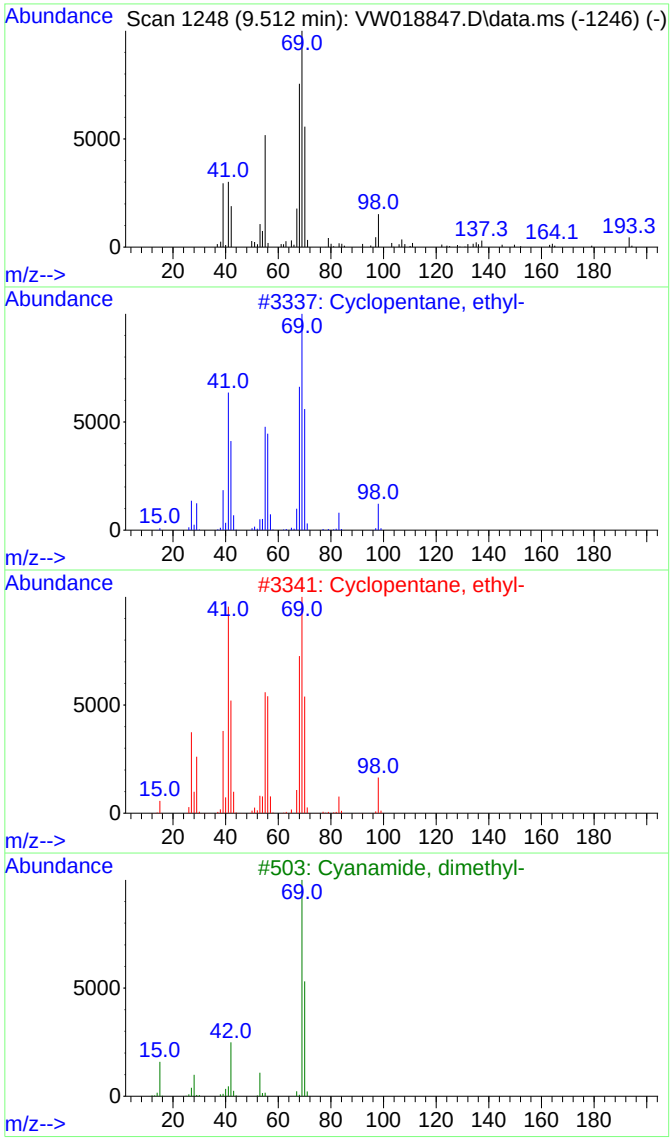
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

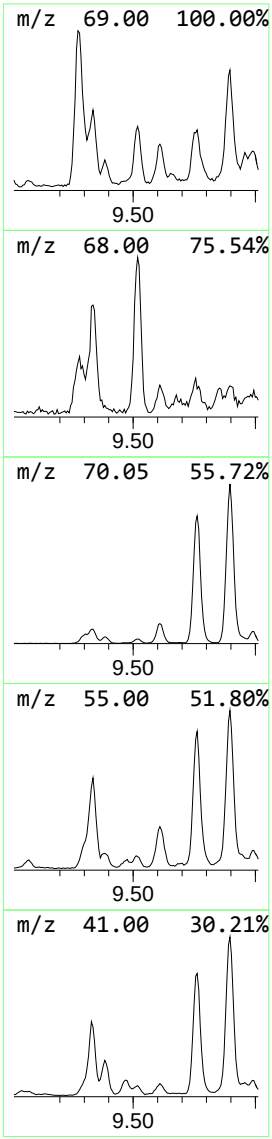
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic9.512 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.512	1.72 ug/L	95823	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	90
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	86
3	Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	43
4	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	38
5	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	37





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Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

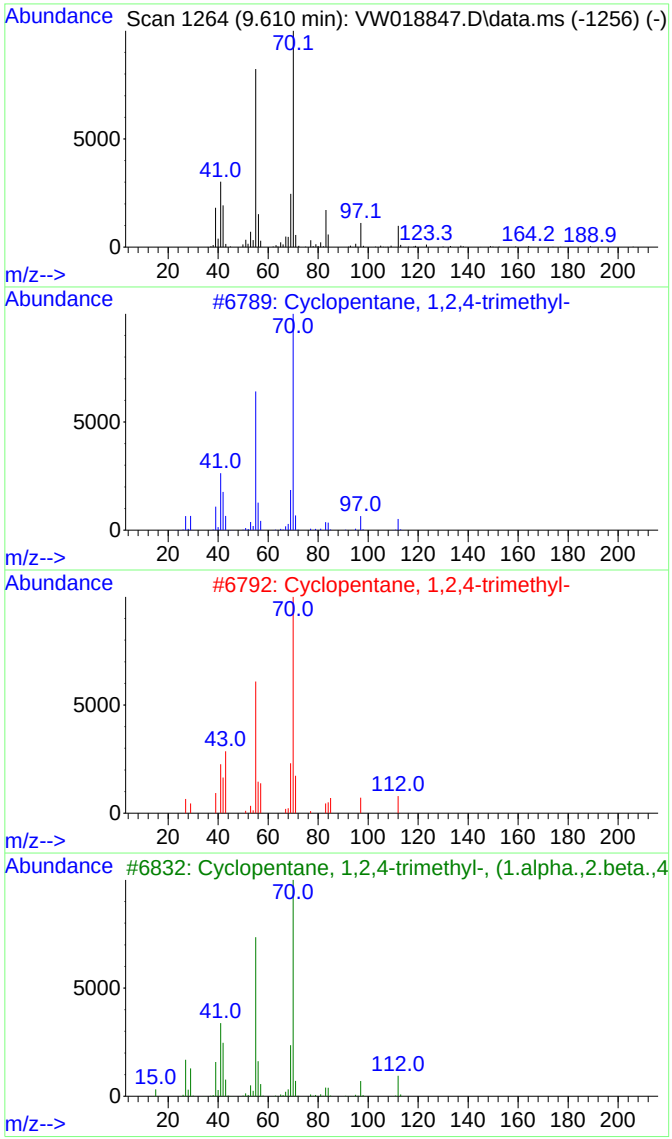
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

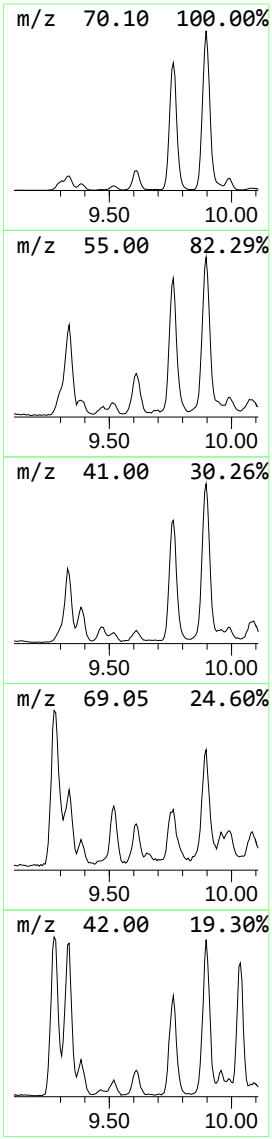
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Cyclic9.610 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.610	4.17 ug/L	231801	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	74
4	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	72
5	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

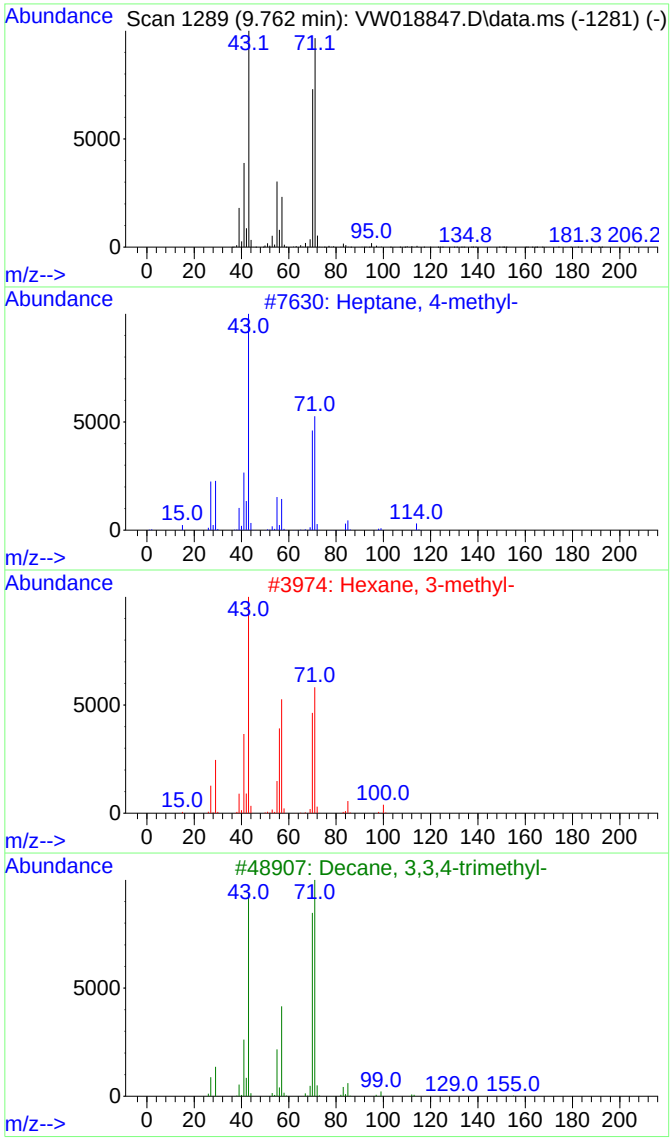
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

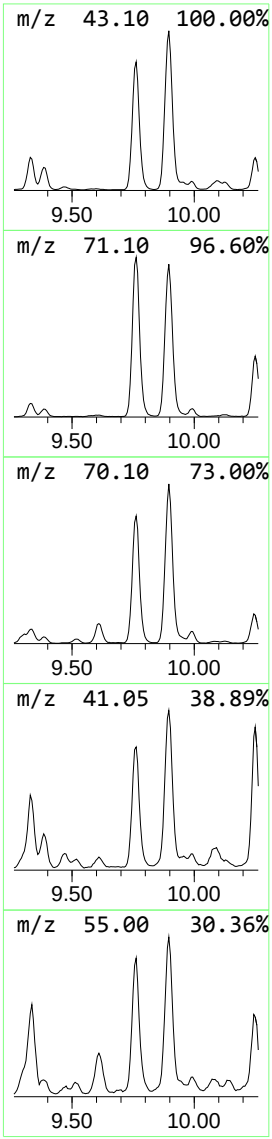
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.762	38.69 ug/L	2150530	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-methyl-	114	C8H18	000589-53-7	83
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	78
3	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	78
4	3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	74
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

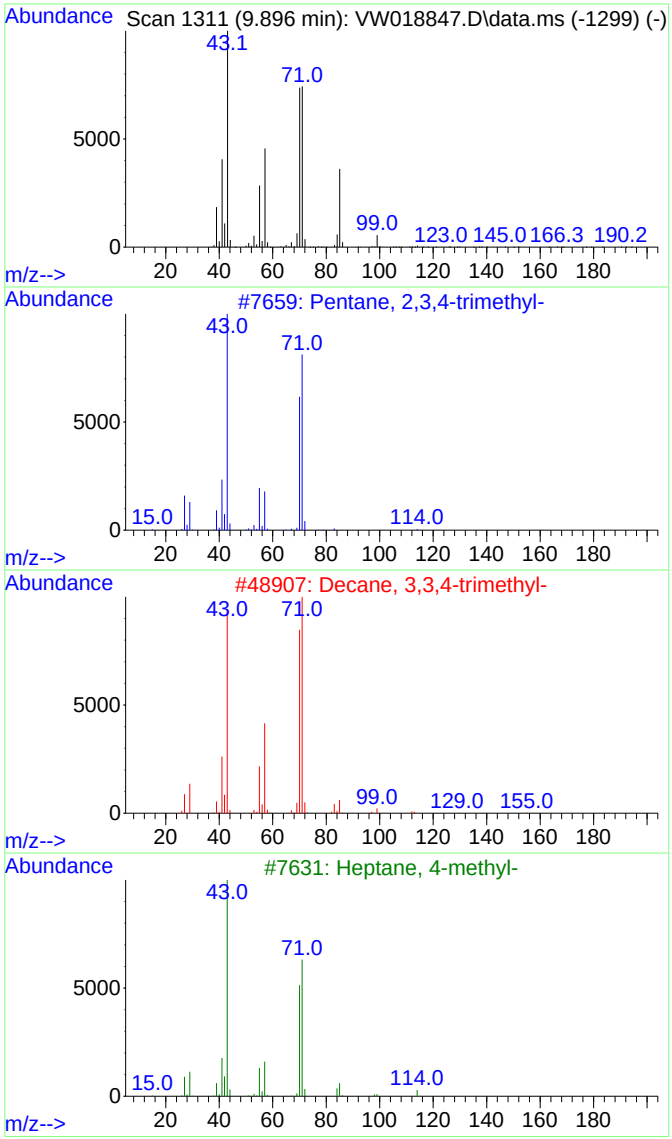
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

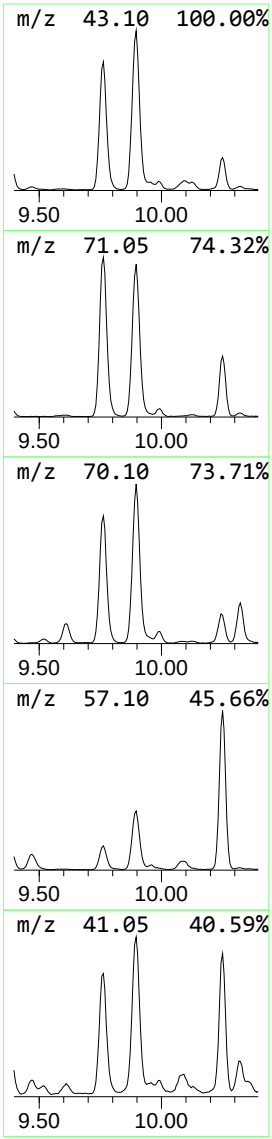
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.896	58.90 ug/L	3273730	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	80
2	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	80
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	78
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	72
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

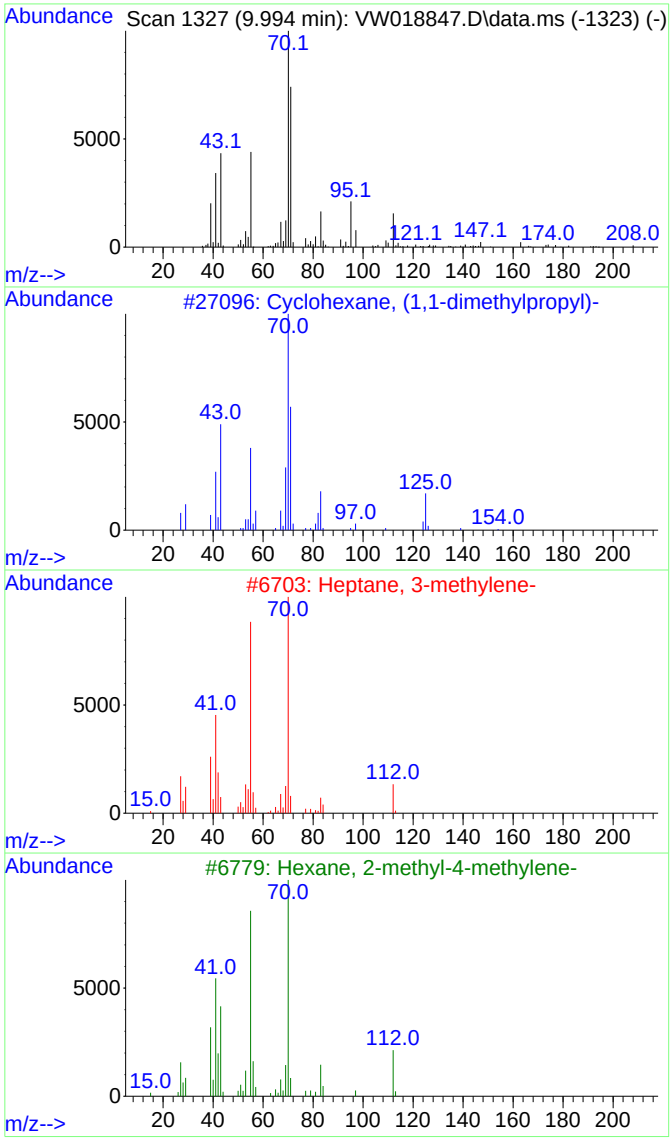
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

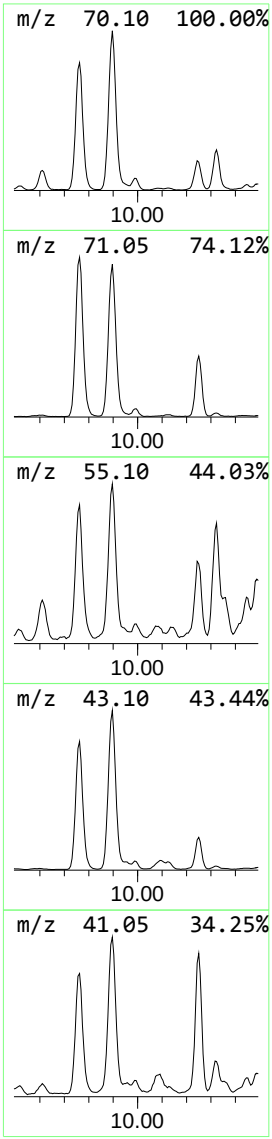
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic9.994 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.994	1.50 ug/L	83236	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1,1-dimethylpropyl)-	154	C11H22	031797-64-5	50
2	Heptane, 3-methylene-	112	C8H16	001632-16-2	43
3	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	37
4	Cyclohexane, (1,2,2-trimethylbut...	182	C13H26	061142-21-0	36
5	Cyclohexane, (1,1-dimethylpropyl)-	154	C11H22	031797-64-5	33





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

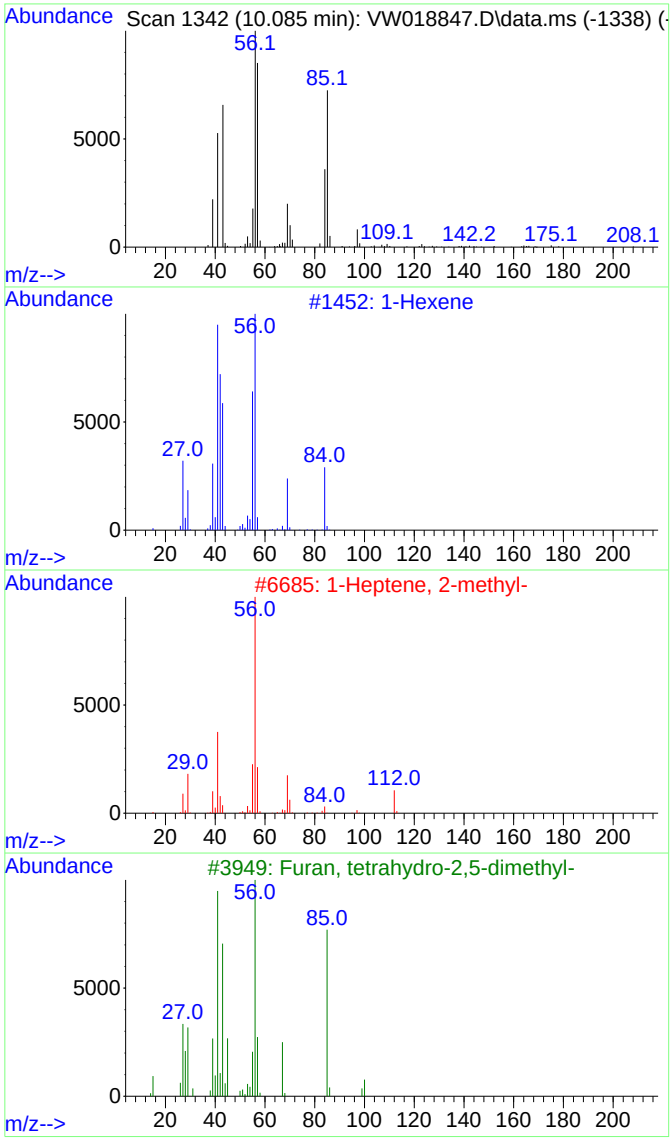
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

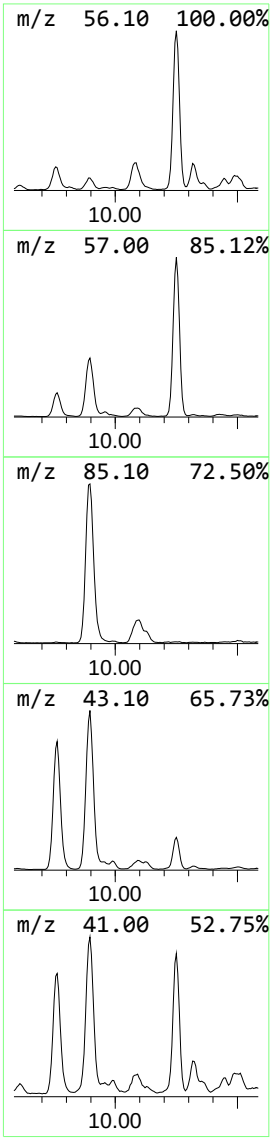
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.085	2.63 ug/L	146456	1,4-Difluorobenzene	8.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene	84	C6H12	000592-41-6	43
2	1-Heptene, 2-methyl-	112	C8H16	015870-10-7	43
3	Furan, tetrahydro-2,5-dimethyl-	100	C6H12O	001003-38-9	42
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	40
5	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

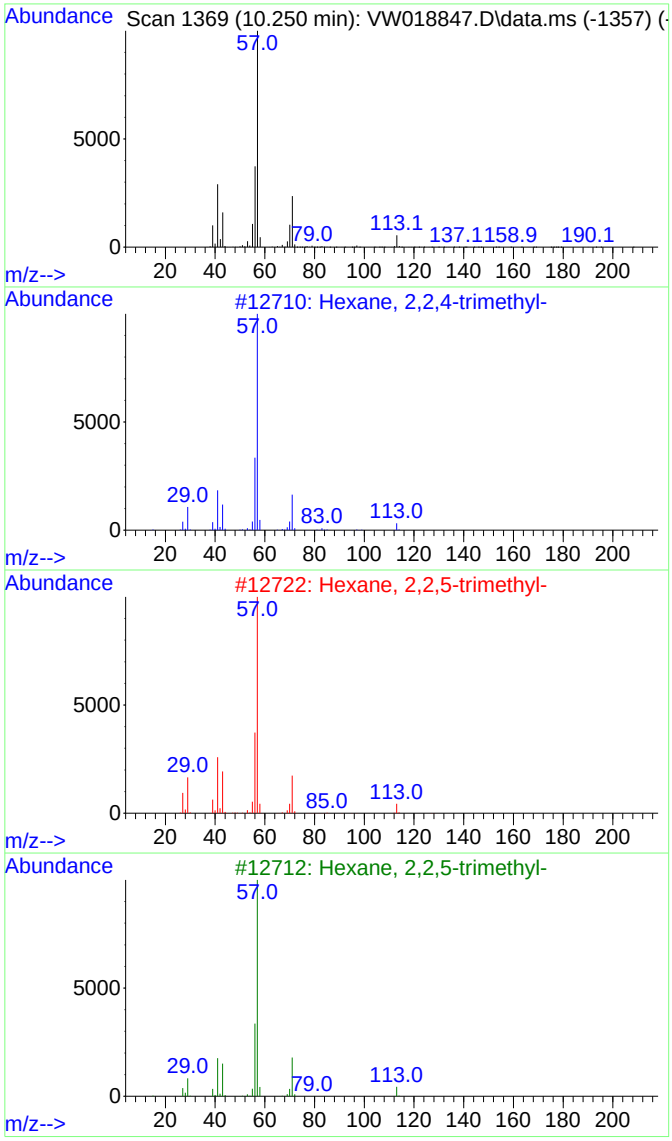
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

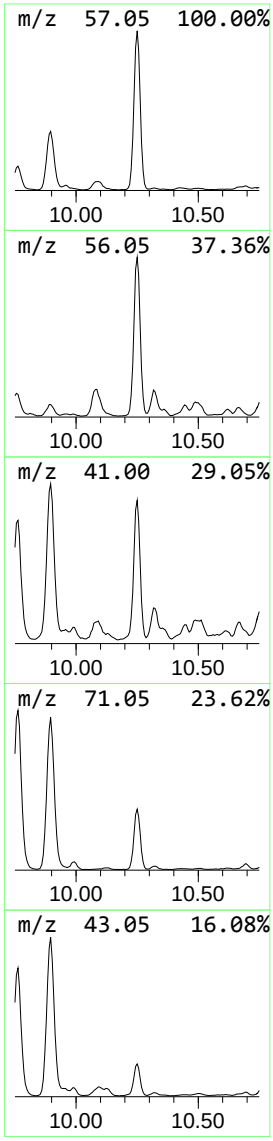
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.250	33.53 ug/L	1887520	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	78
2	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	78
3	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	72
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64
5	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

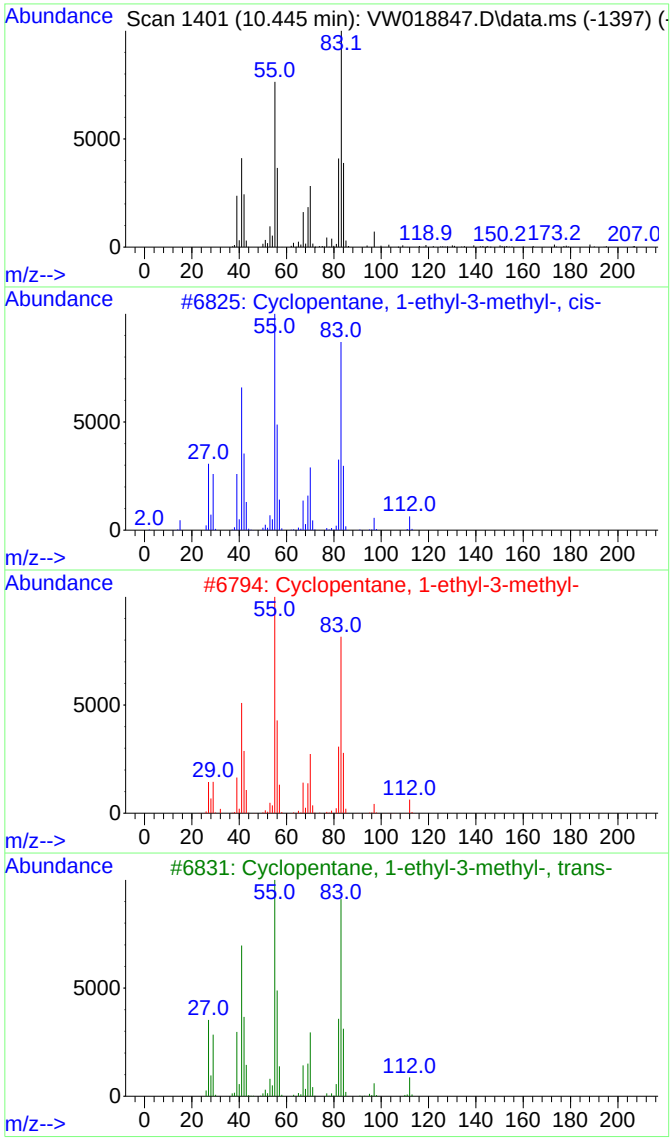
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

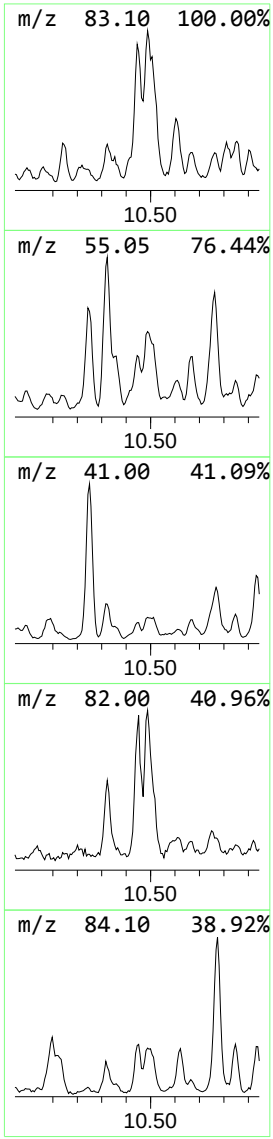
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Cyclic10.445 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.445	2.55 ug/L	143837	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	83
2	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	83
3	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	83
4	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	50
5	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

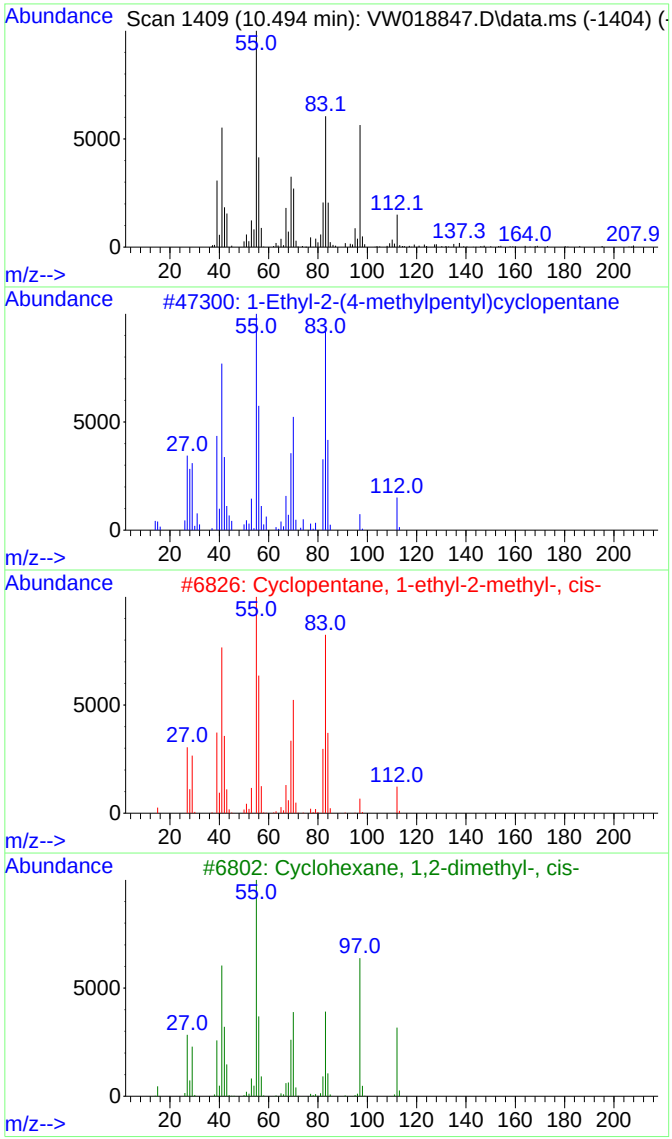
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

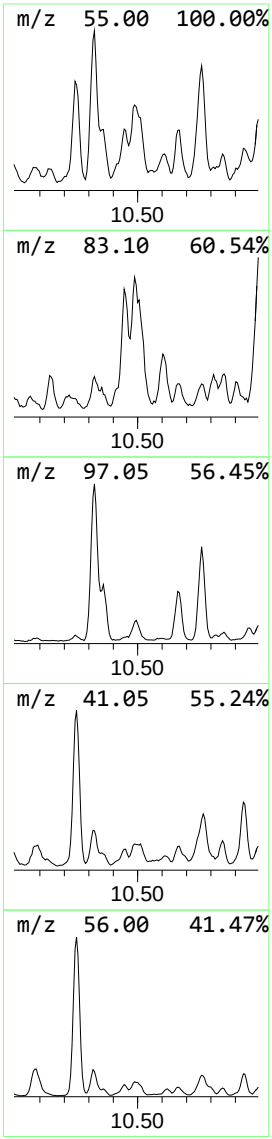
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic10.494 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.494	2.68 ug/L	150876	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	64
2	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	58
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	43
4	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	35
5	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

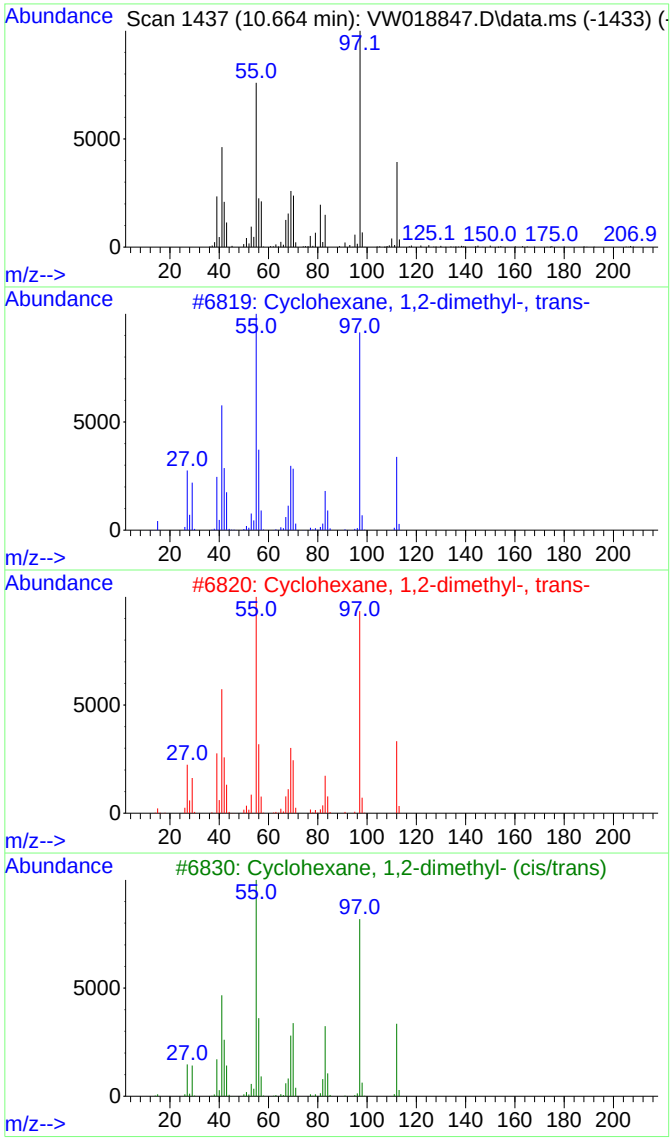
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

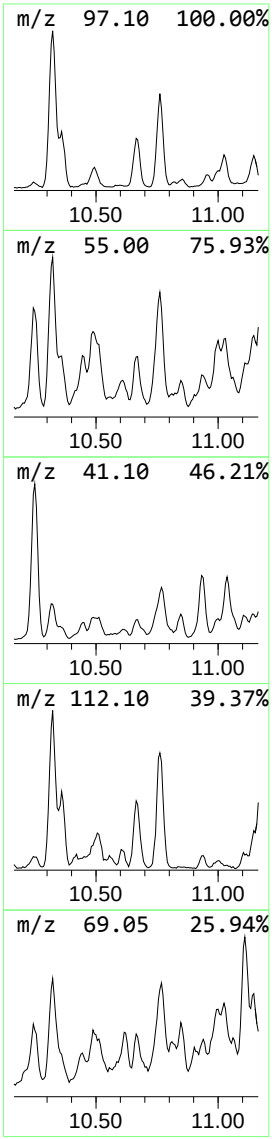
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Cyclic10.664 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.664	4.28 ug/L	240952	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	87
5	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

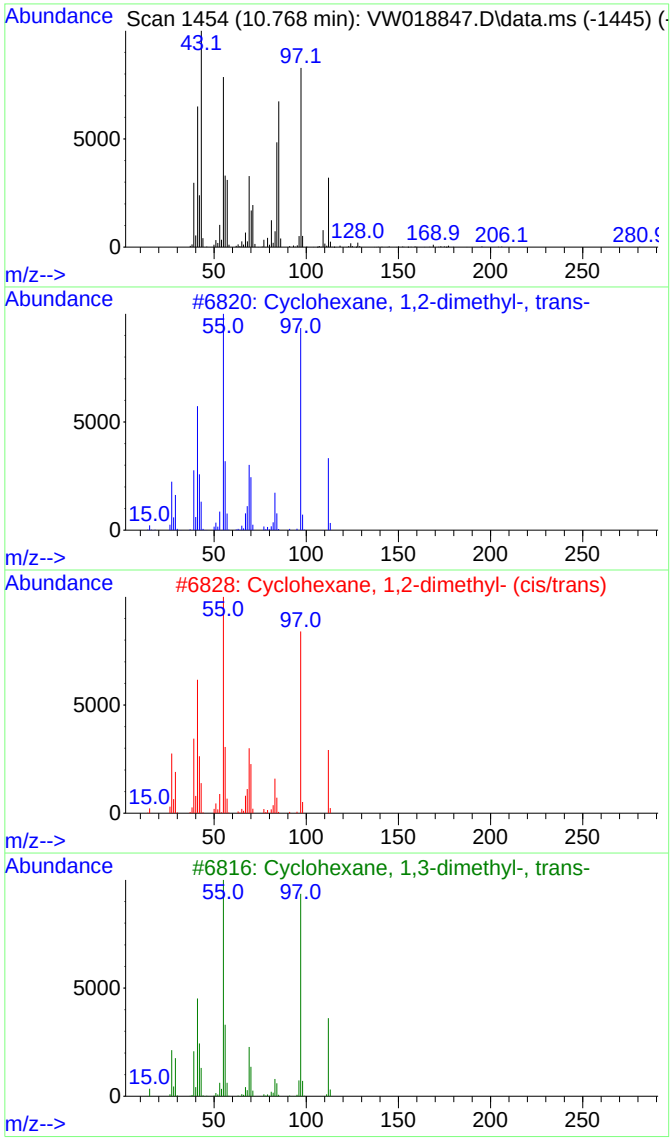
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

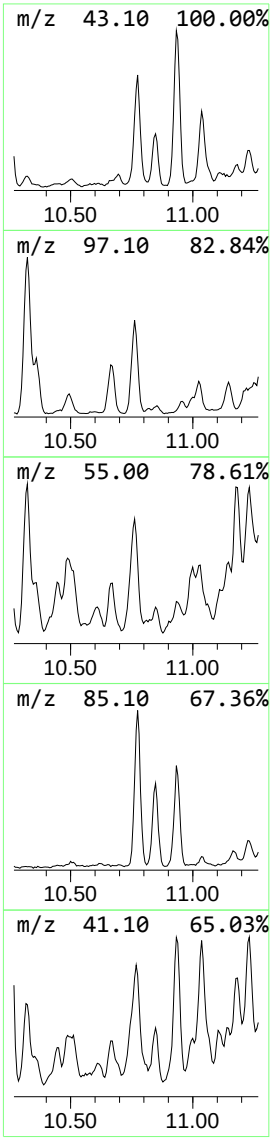
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Cyclic10.768 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.768	17.77 ug/L	1000410	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	60
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	60
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	60
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	49
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

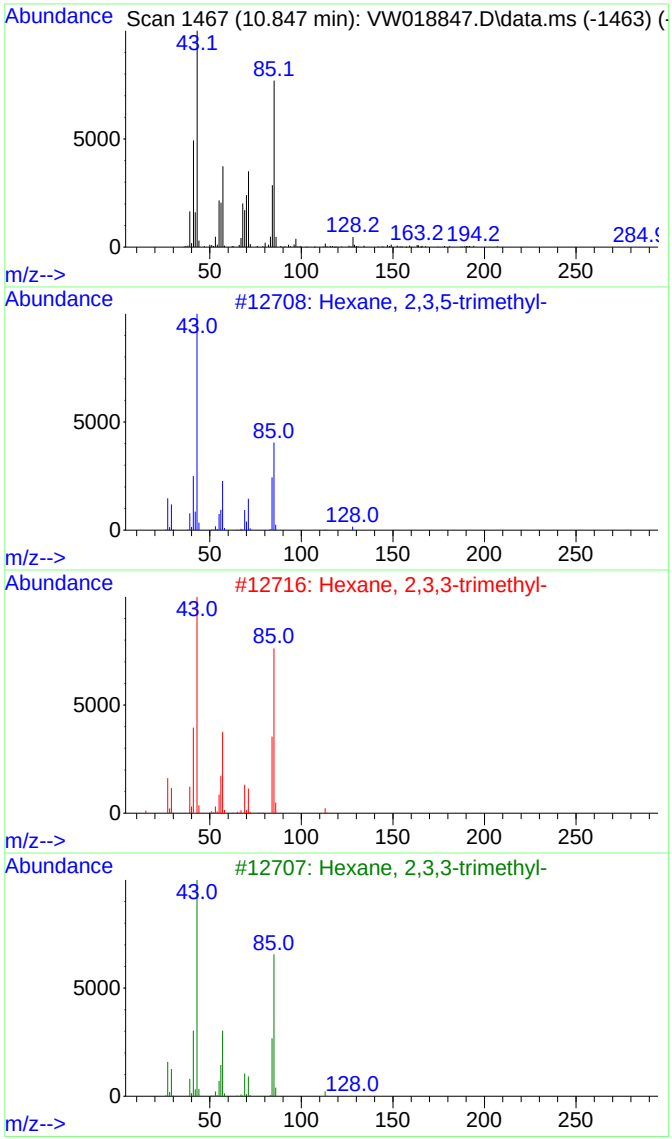
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

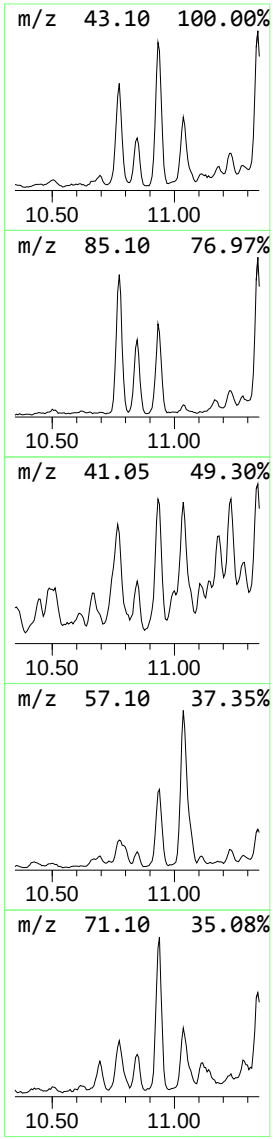
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.847	5.06 ug/L	284742	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	58
2	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	53
3	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	53
4	Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	53
5	Oxalic acid, hexyl isohexyl ester	258	C14H26O4	1000309-33-0	47





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Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

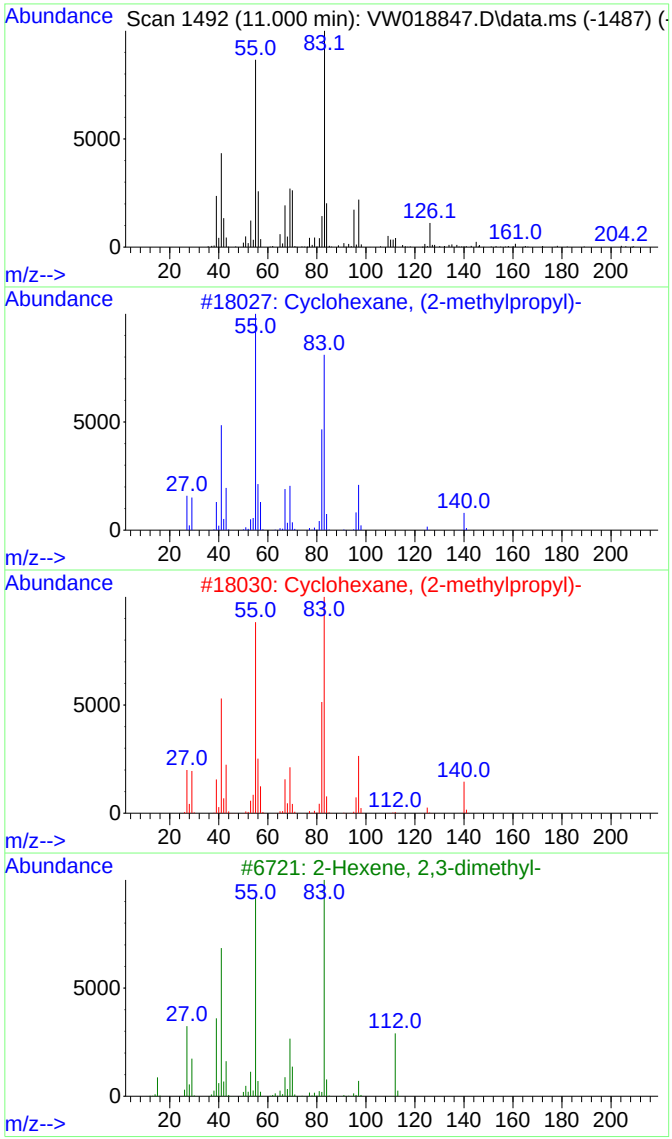
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

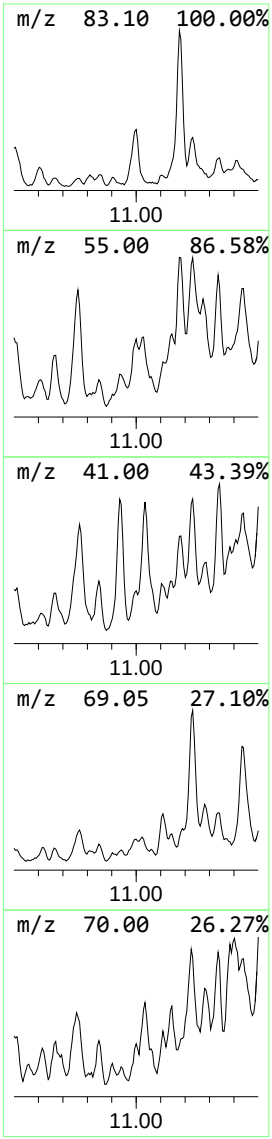
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic11.000 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.000	3.08 ug/L	173503	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	59
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	53
3	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	50
4	Cyclohexane, methyl-	98	C7H14	000108-87-2	50
5	1,2,4-Triazole, 5-cyclohexanecar...	194	C9H14N4O	021051-17-2	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587RE

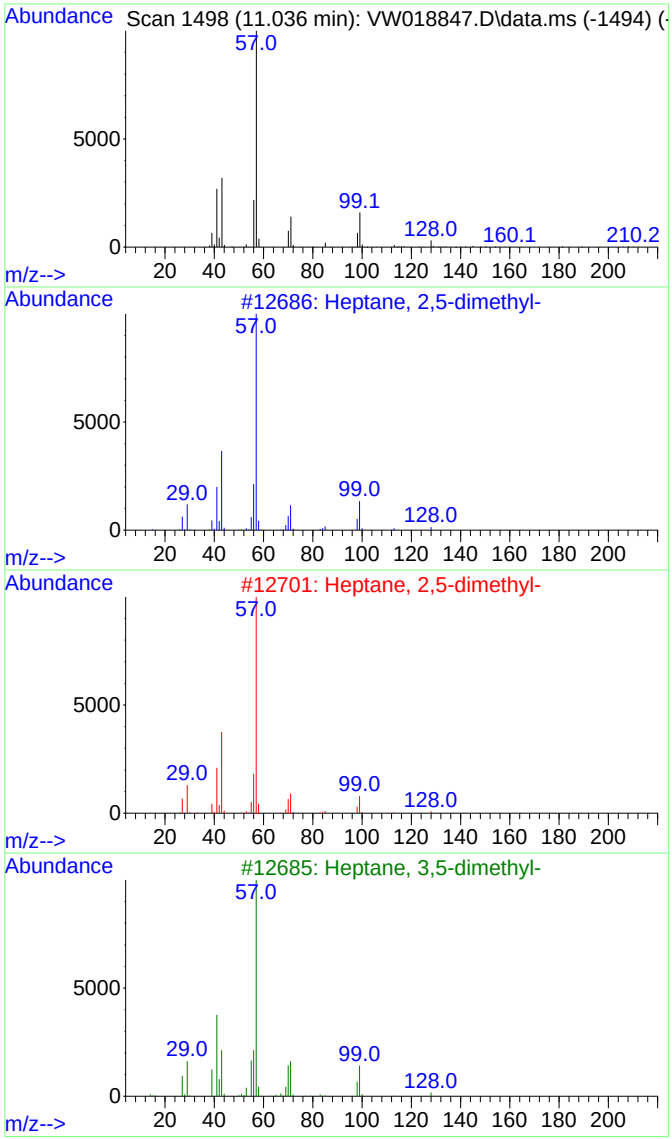
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

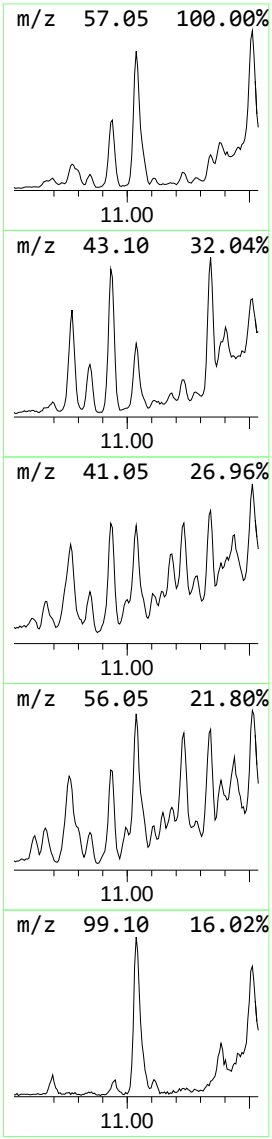
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.036	12.00 ug/L	675770	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	83
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	78
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	72
4	Octane, 3-methyl-	128	C9H20	002216-33-3	72
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

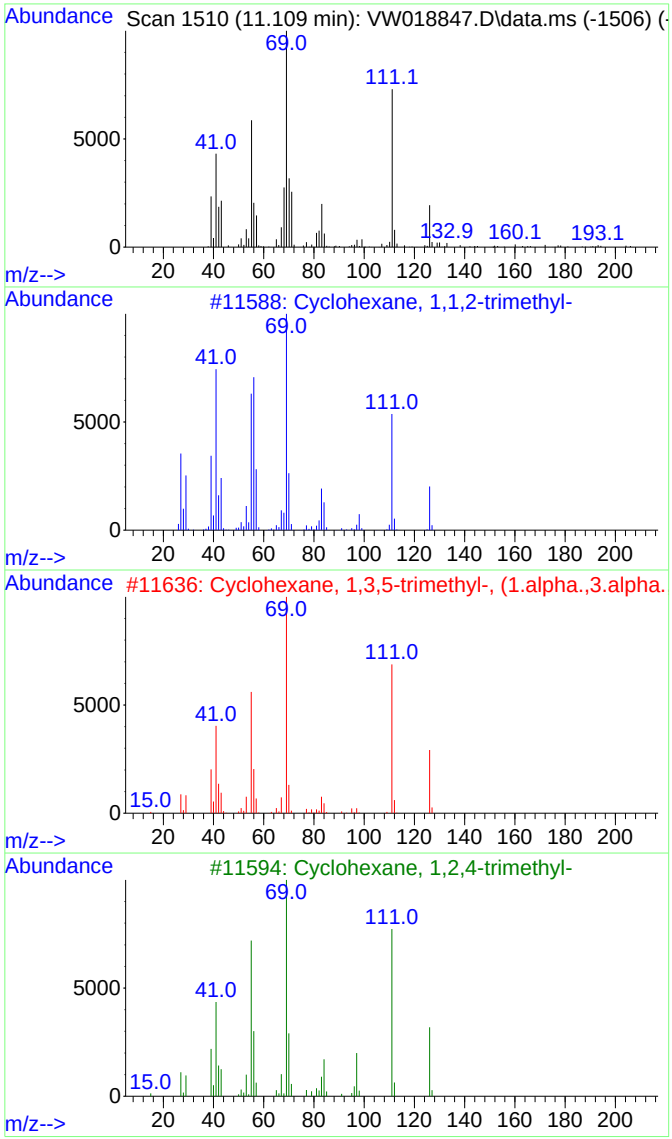
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

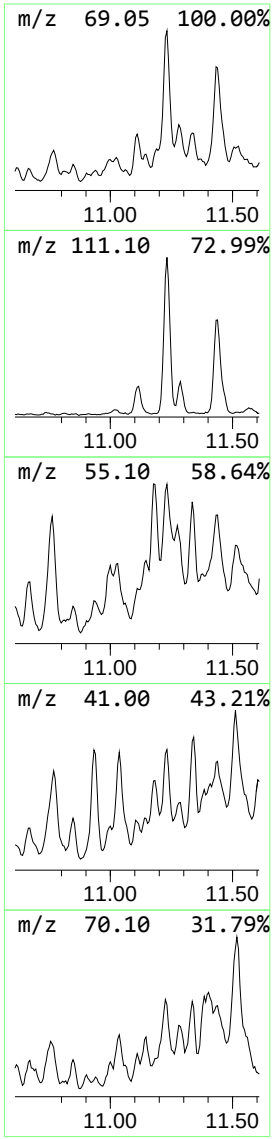
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Cyclic11.109 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.109	3.41 ug/L	191903	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	76
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	70
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	68
4	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	64
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

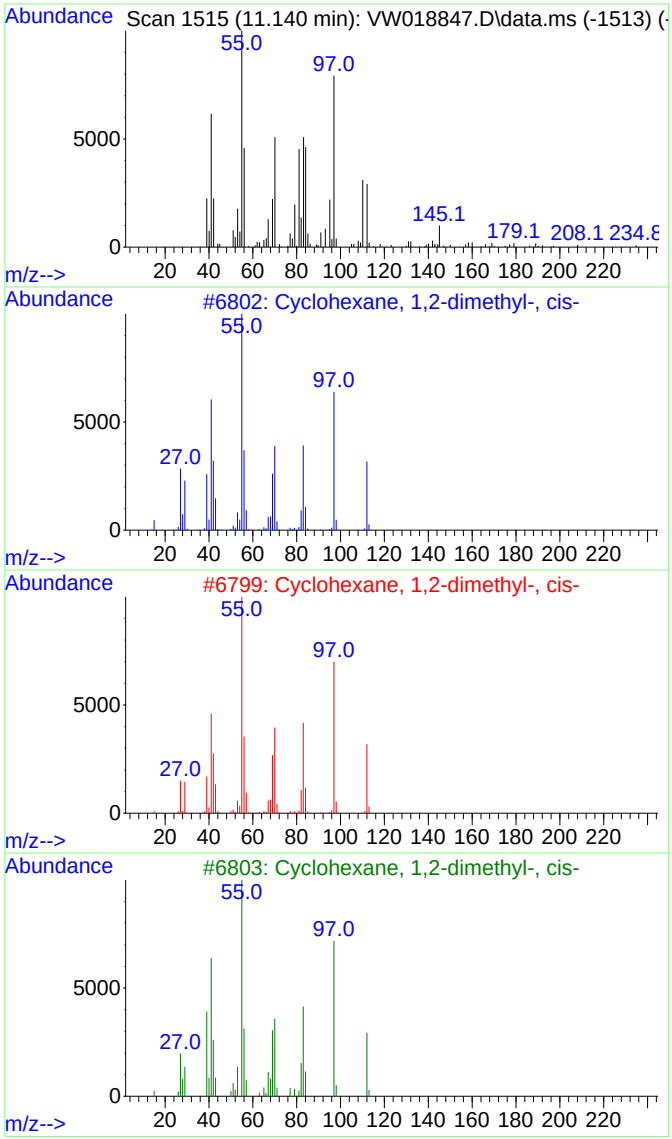
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

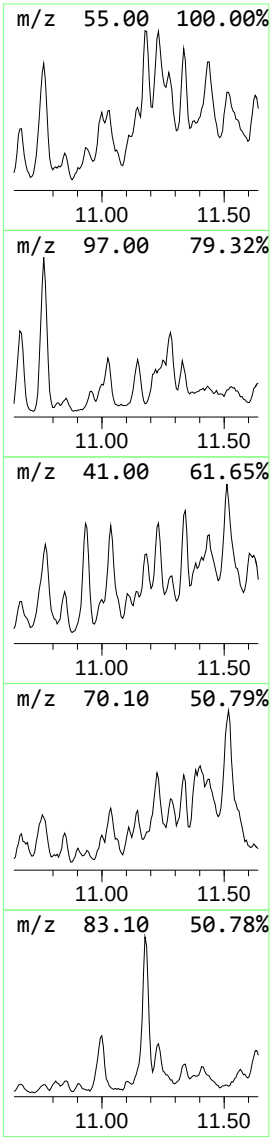
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Cyclic11.140 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.140	2.84 ug/L	160093	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	62
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	62
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	53
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	46
5	1,2-Cyclohexanedione	112	C6H8O2	000765-87-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

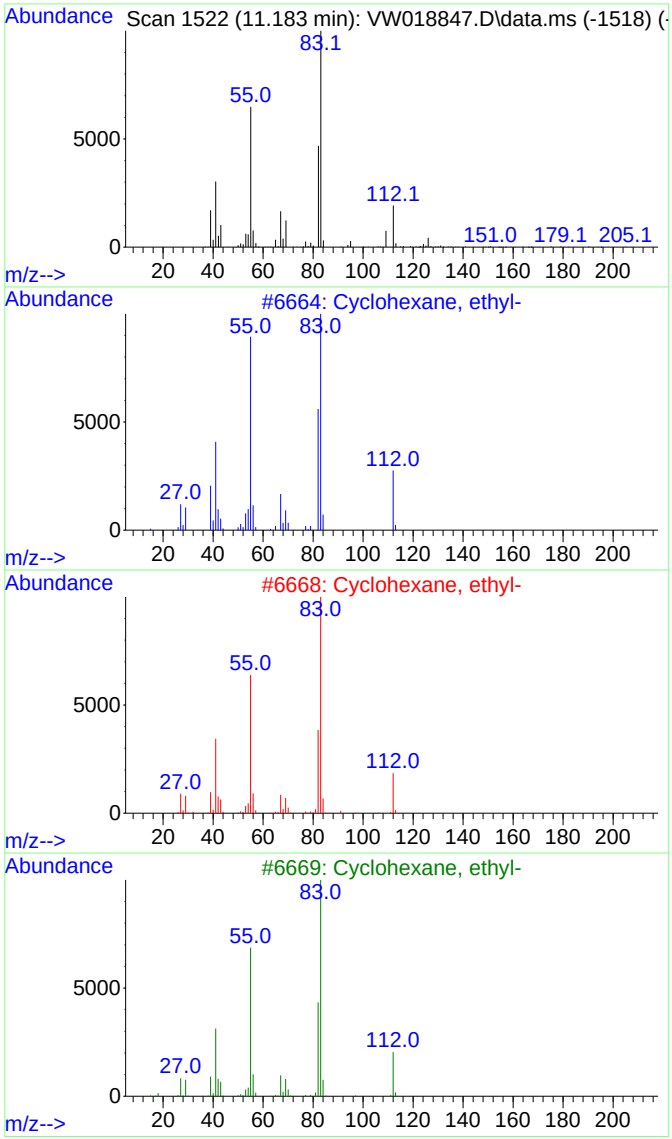
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

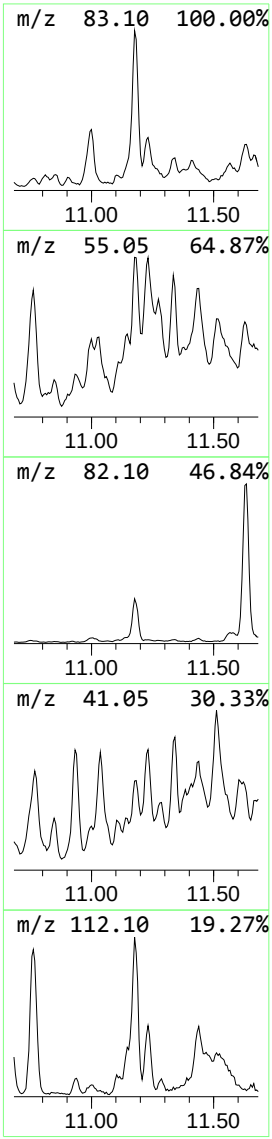
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Cyclic11.183 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.183	7.27 ug/L	409410	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

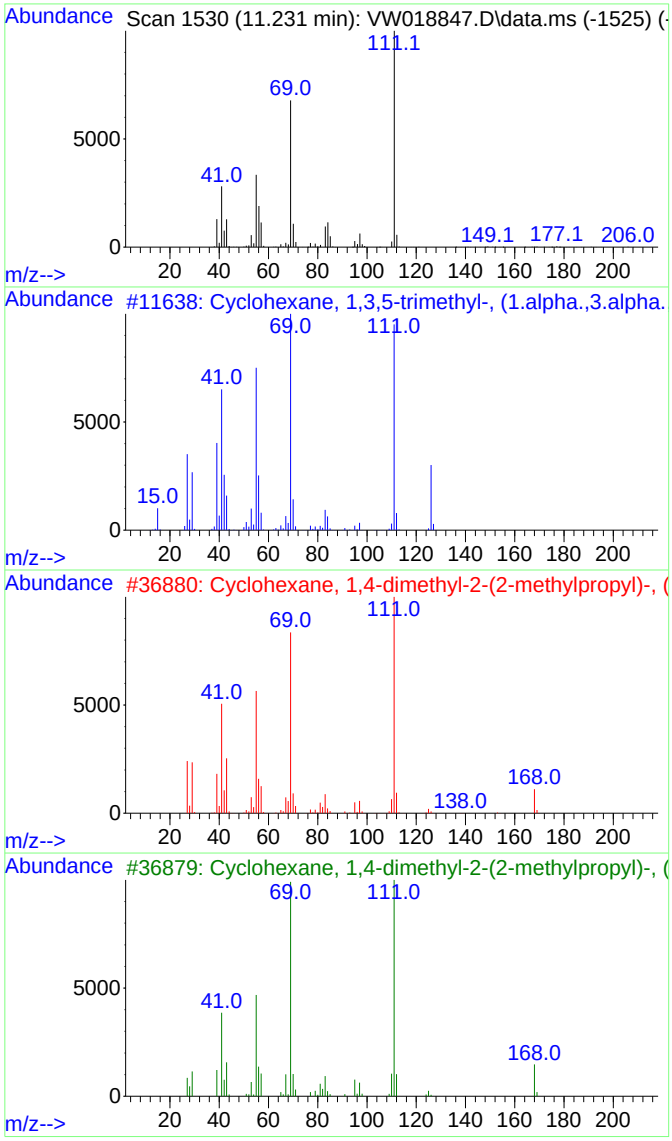
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

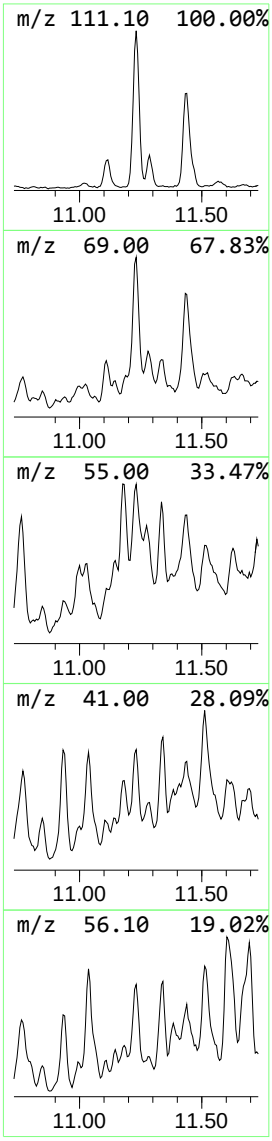
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Cyclic11.231 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.231	12.66 ug/L	712594	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	64
2	Cyclohexane, 1,4-dimethyl-2-(2-m...	168	C12H24	054411-17-5	64
3	Cyclohexane, 1,4-dimethyl-2-(2-m...	168	C12H24	054411-17-5	64
4	Cyclooctane, butyl-	168	C12H24	016538-93-5	56
5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

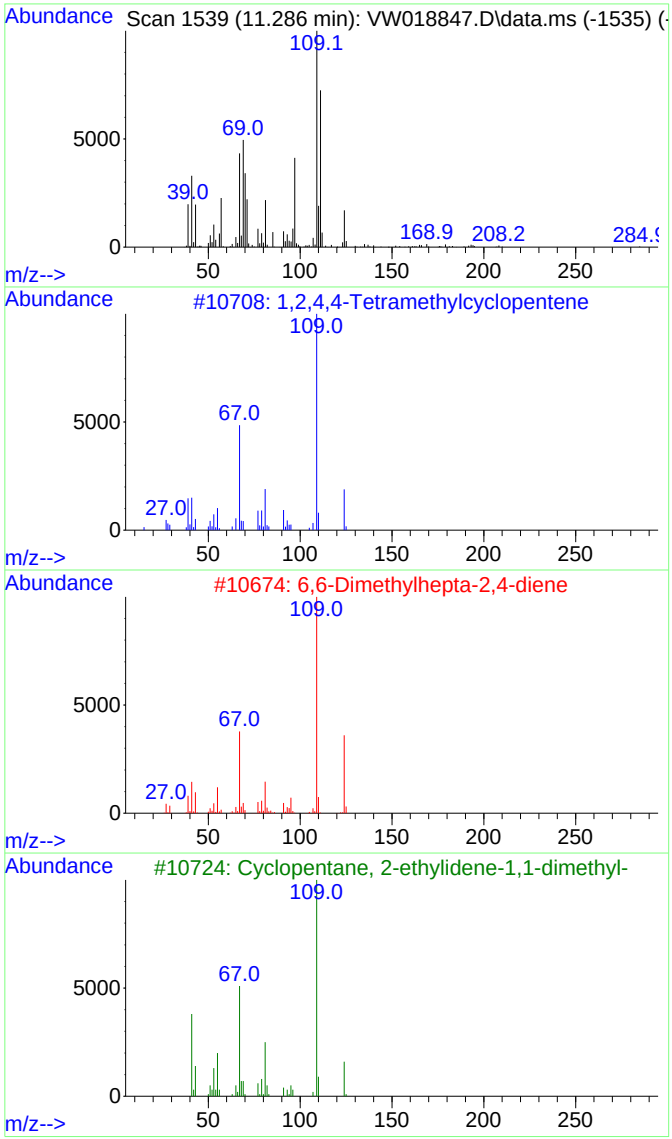
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

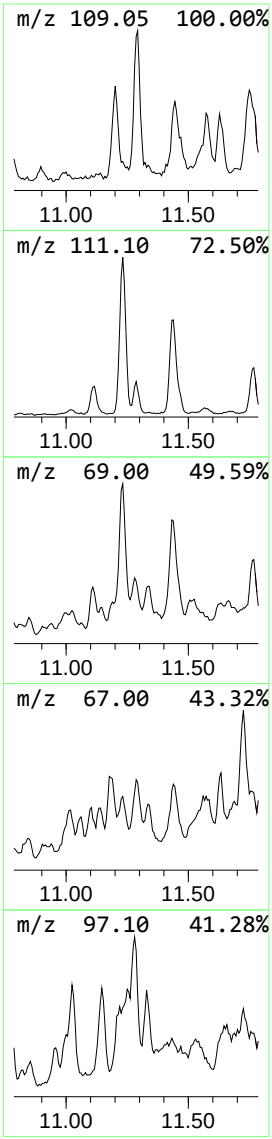
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 1,2,4,4-Tetramethylcyclopen... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.286	4.08 ug/L	229533	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,4-Tetramethylcyclopentene	124	C9H16	065378-76-9	50
2	6,6-Dimethylhepta-2,4-diene	124	C9H16	1000195-03-3	45
3	Cyclopentane, 2-ethylidene-1,1-d...	124	C9H16	056324-66-4	43
4	3,3,5,5-Tetramethylcyclopentene	124	C9H16	038667-10-6	35
5	1-(1,2,3-Trimethyl-cyclopent-2-e...	152	C10H16O	070987-81-4	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

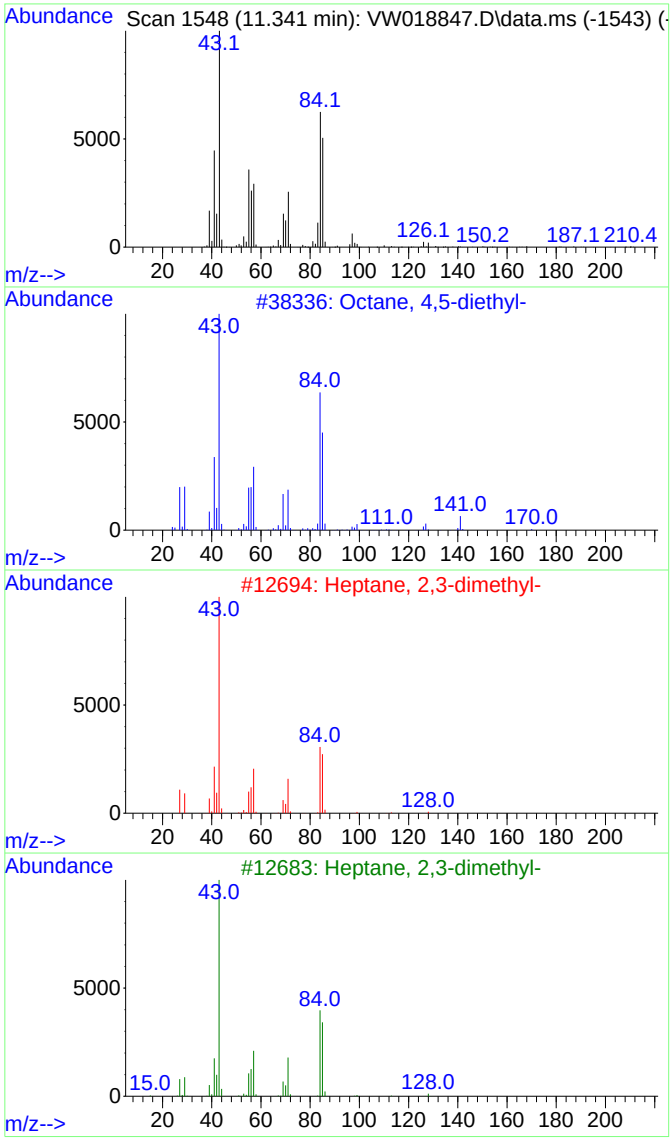
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

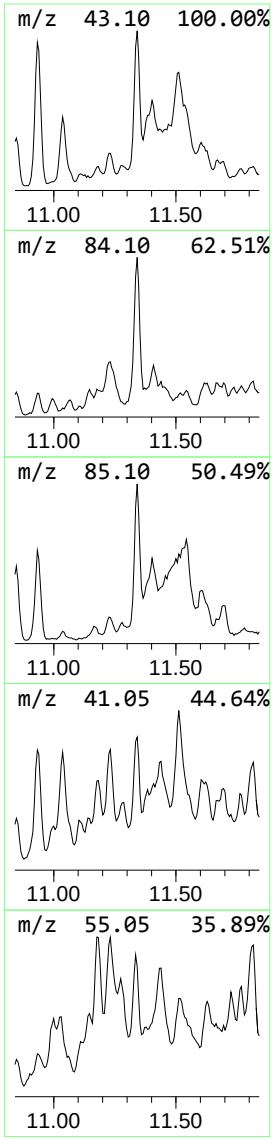
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.341	10.44 ug/L	587529	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4,5-diethyl-	170	C12H26	001636-41-5	72
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	68
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64
4	1-Octene, 4-methyl-	126	C9H18	013151-12-7	62
5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG587RE

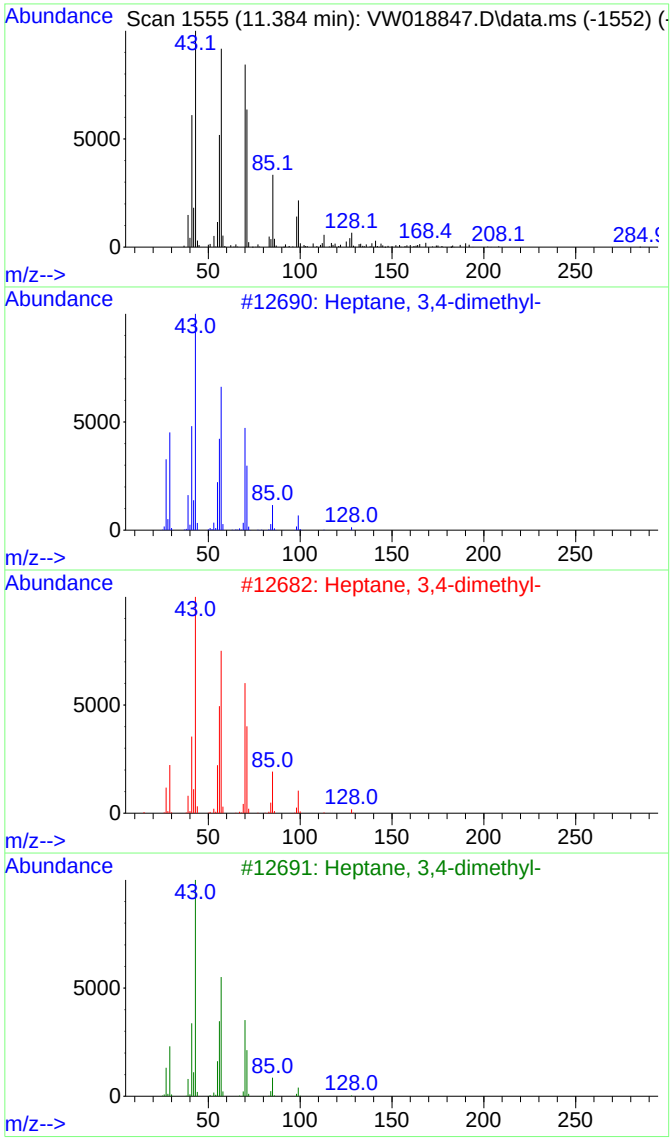
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

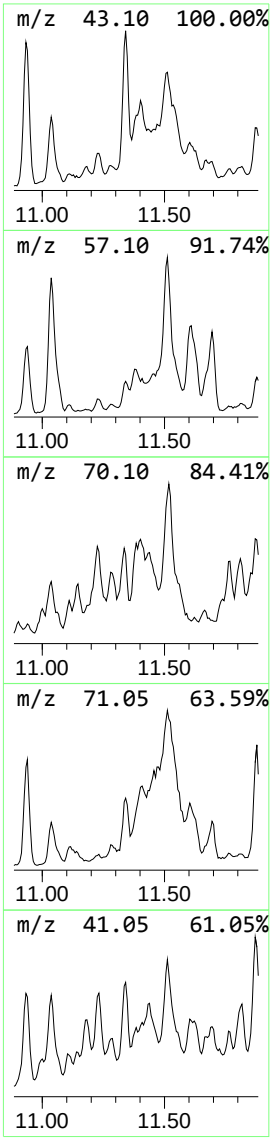
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.384	2.54 ug/L	142920	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	91
2	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	91
3	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	91
4	Methylamine, N-(1-ethylpentylide...	127	C8H17N	018641-73-1	47
5	Decane	142	C10H22	000124-18-5	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

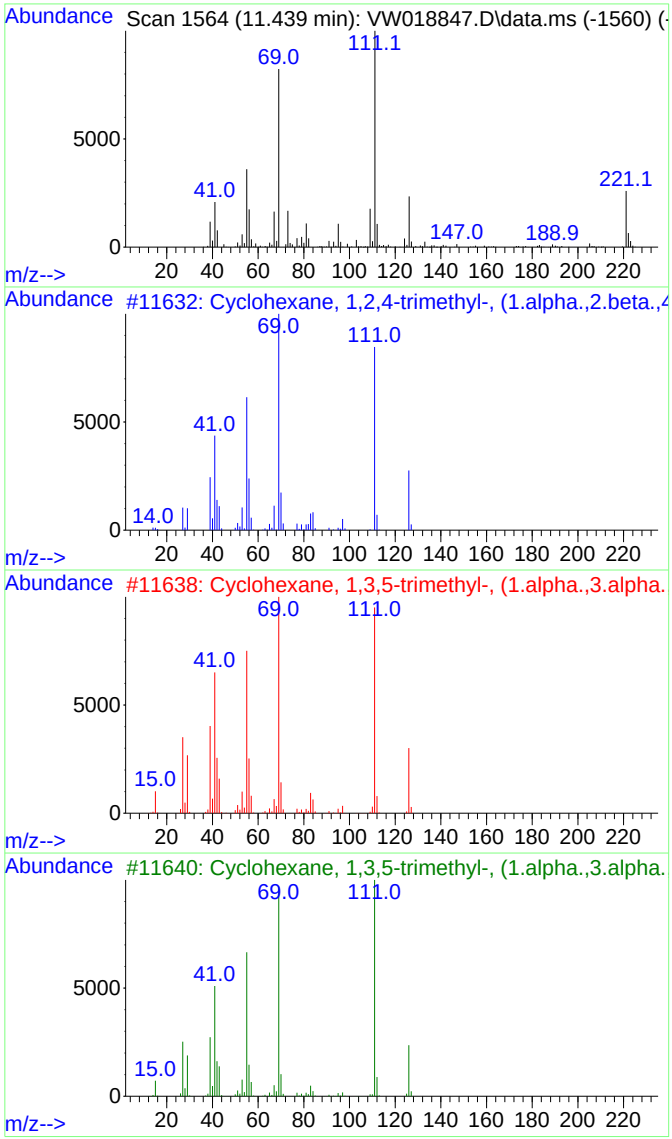
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

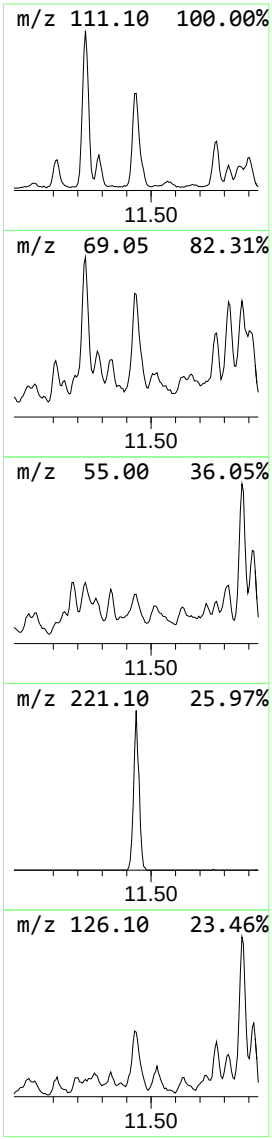
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Cyclic11.439 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.439	15.63 ug/L	879767	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	68
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	64
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	64
4	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	64
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

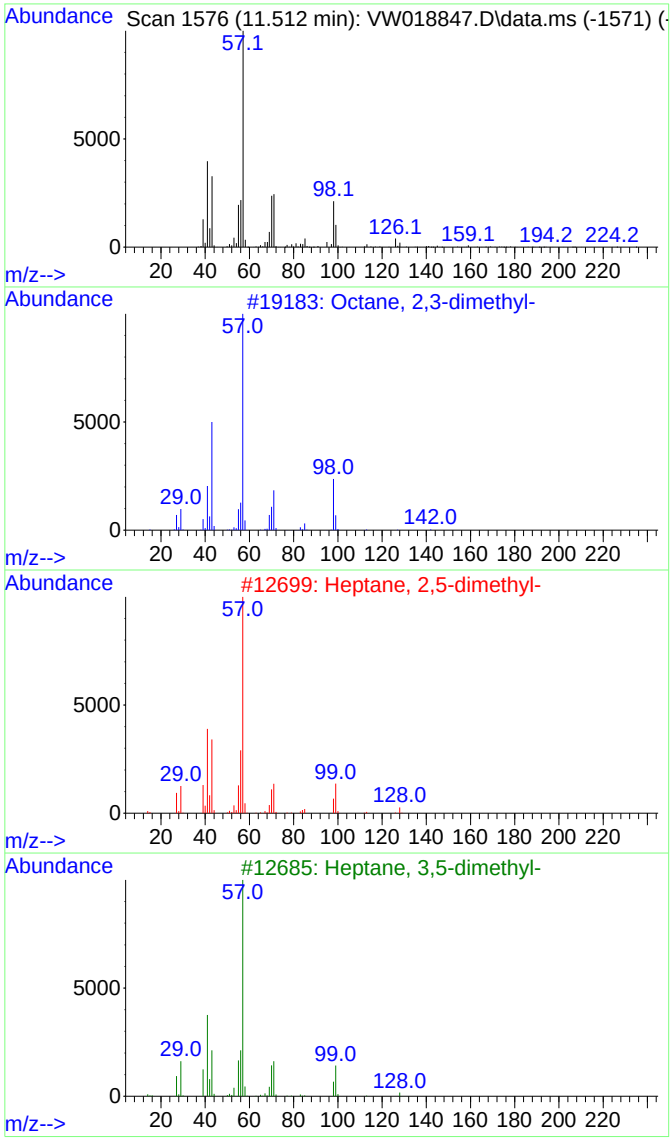
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

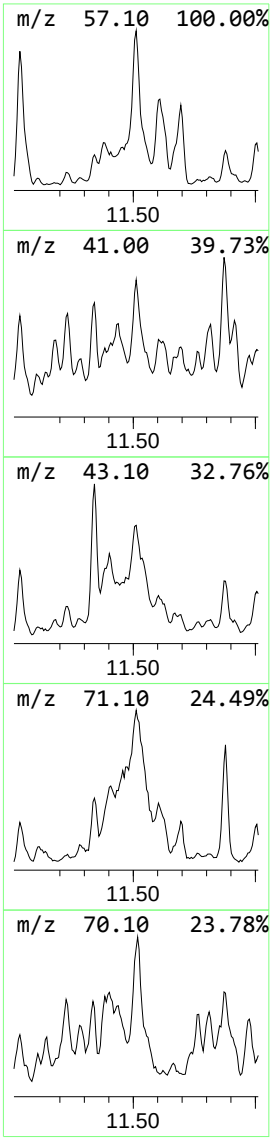
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	19.48 ug/L	1096930	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	50
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	49
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	49
4	Heptane, 3-ethyl-	128	C9H20	015869-80-4	47
5	Octane, 3-methyl-	128	C9H20	002216-33-3	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

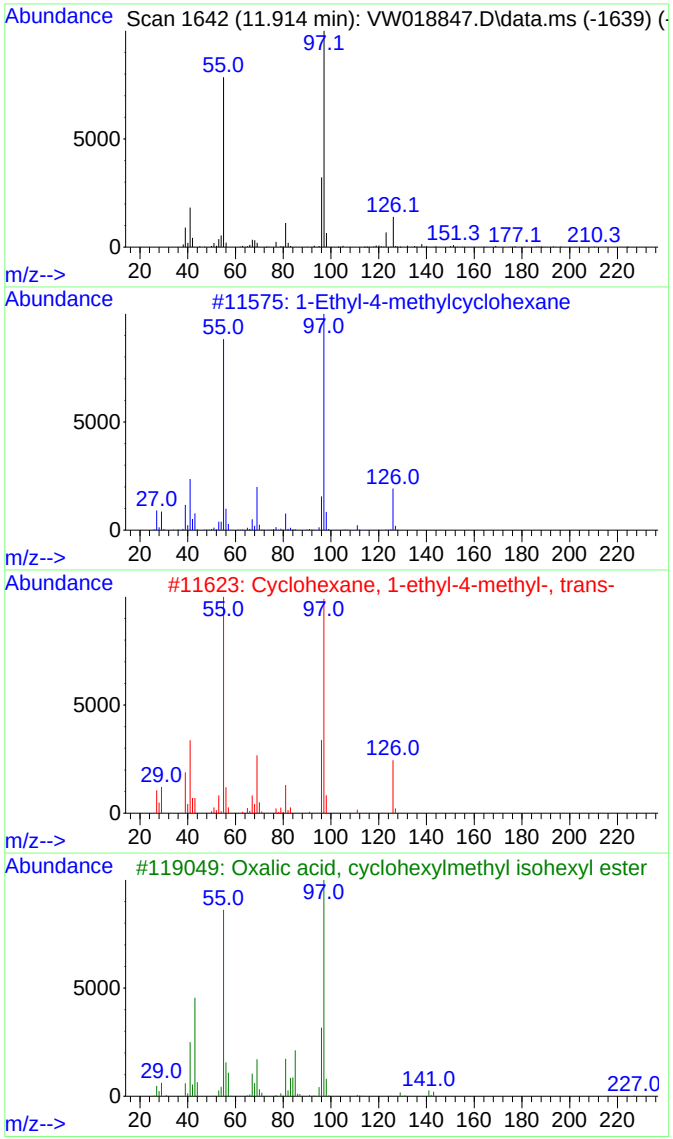
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

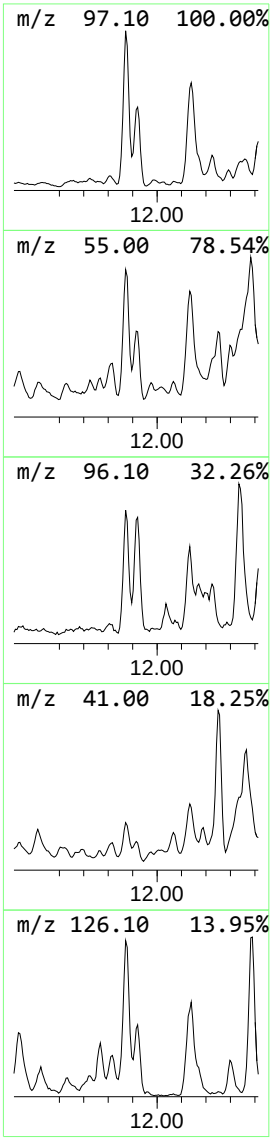
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Cyclic11.914 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.914	11.43 ug/L	643398	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	80
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	78
3	Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	72
4	Cyclohexane, 1-isopropyl-1-methyl-	140	C10H20	016580-26-0	64
5	Cyclohexane, 1-bromo-3-methyl-	176	C7H13Br	013905-48-1	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

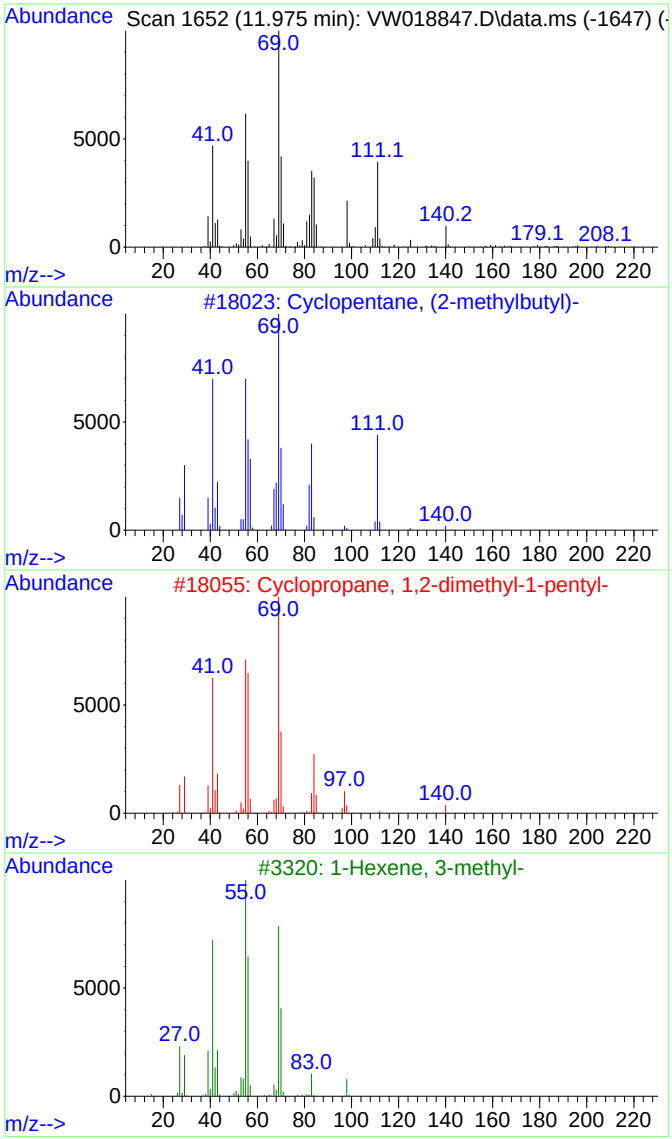
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

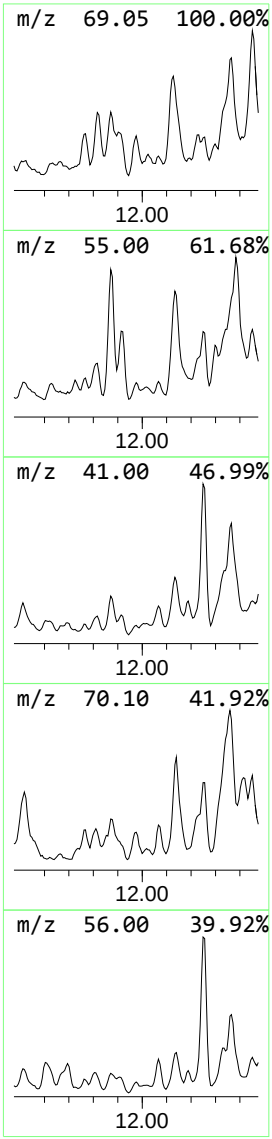
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Cyclic11.975 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	5.37 ug/L	302124	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	53
2	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	53
3	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	50
4	Cyclopentanone, 2-methyl-3-(1-me...	140	C9H16O	054549-81-4	50
5	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

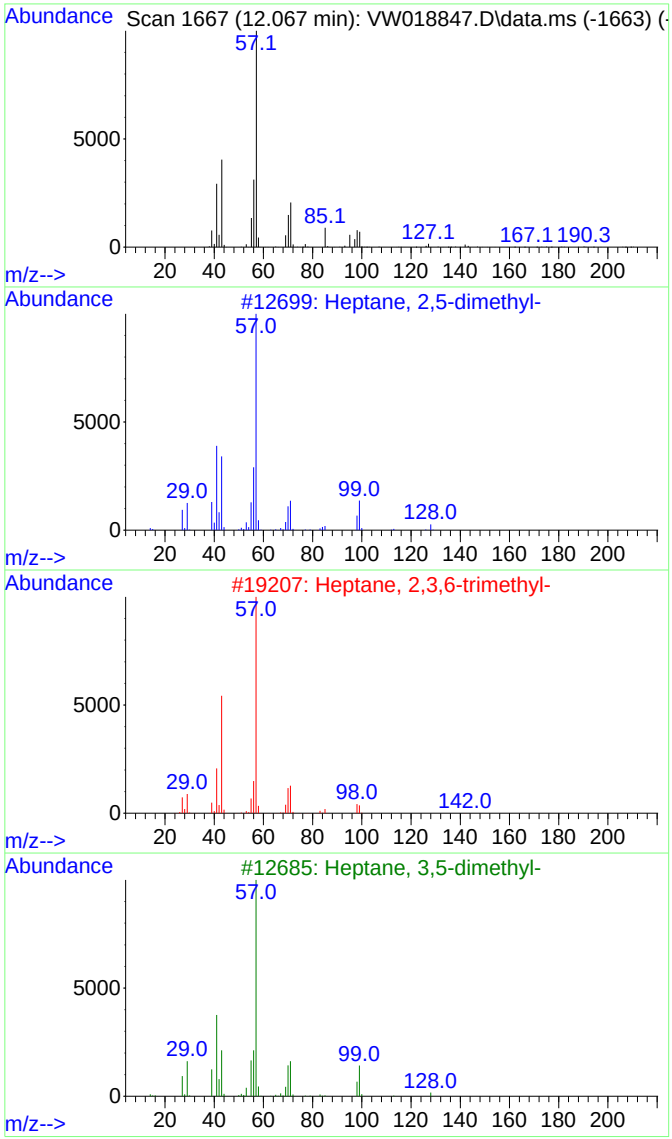
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

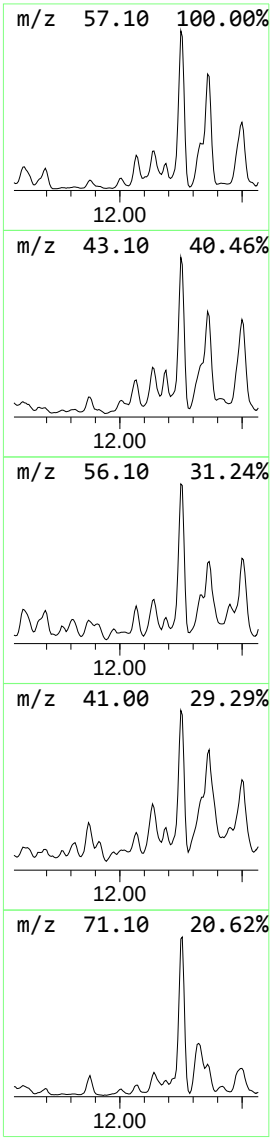
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.067	8.87 ug/L	499112	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
2	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	59
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	53
4	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	53
5	Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

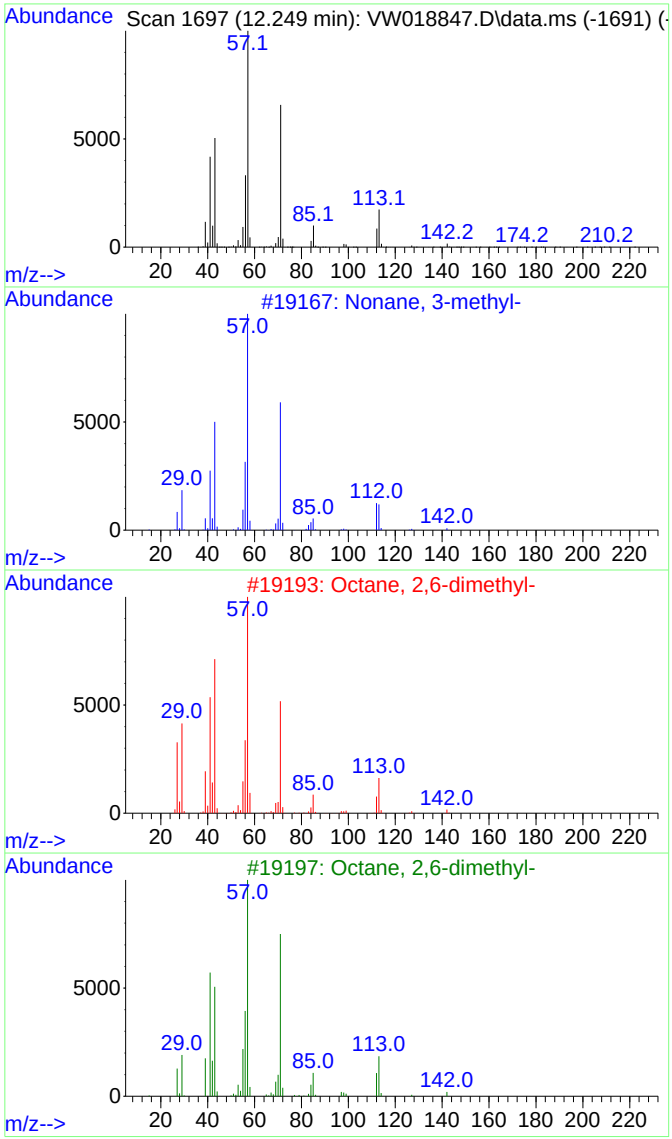
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

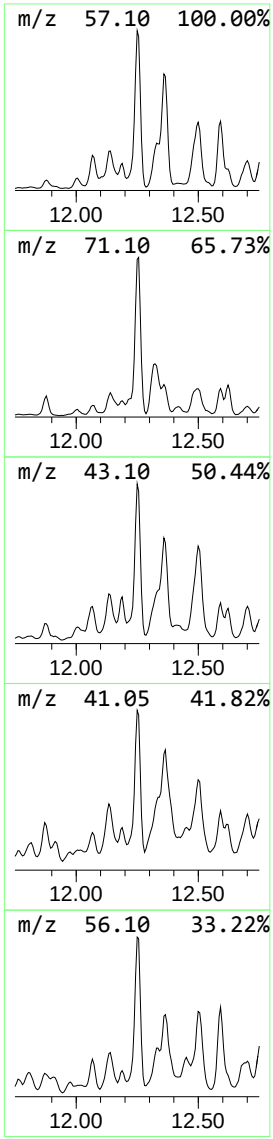
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.249	61.10 ug/L	3439890	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	87
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	87
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

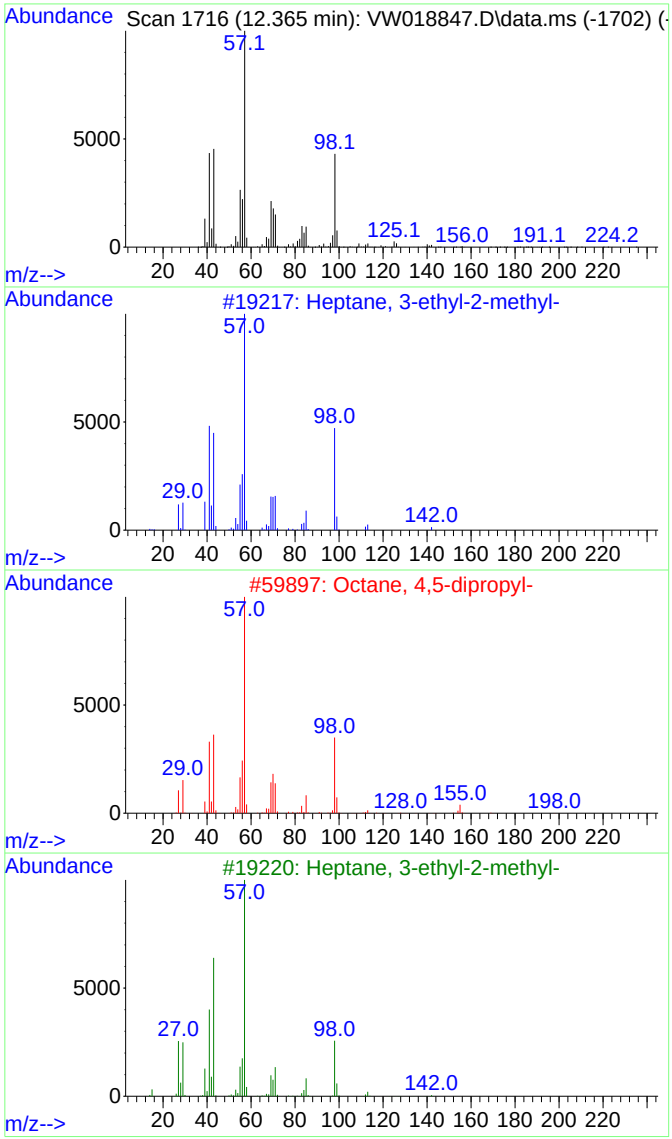
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

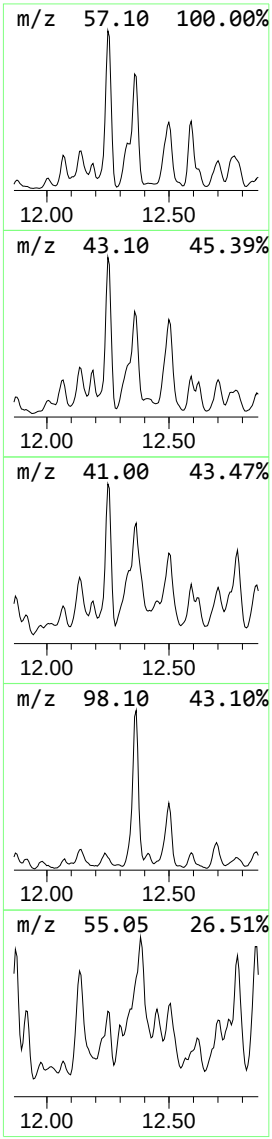
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.365	116.92 ug/L	6582000	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	74
2	Octane, 4,5-dipropyl-	198	C14H30	020905-05-9	72
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
4	Heptane, 4-propyl-	142	C10H22	003178-29-8	58
5	Decyl isobutyl carbonate	258	C15H30O3	959226-07-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

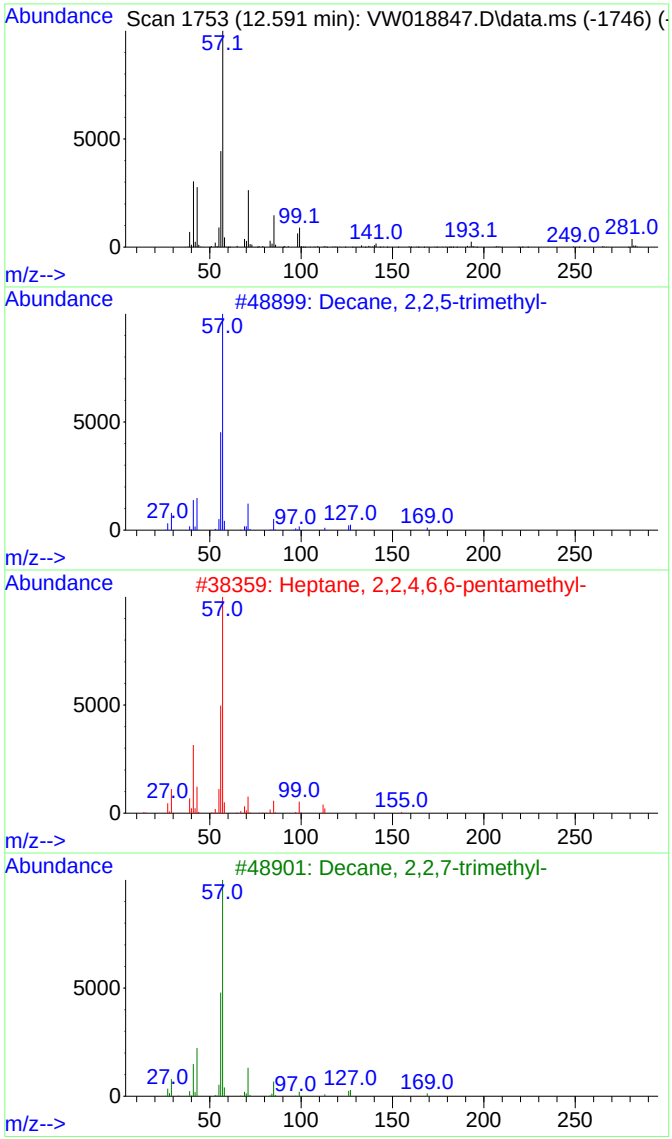
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

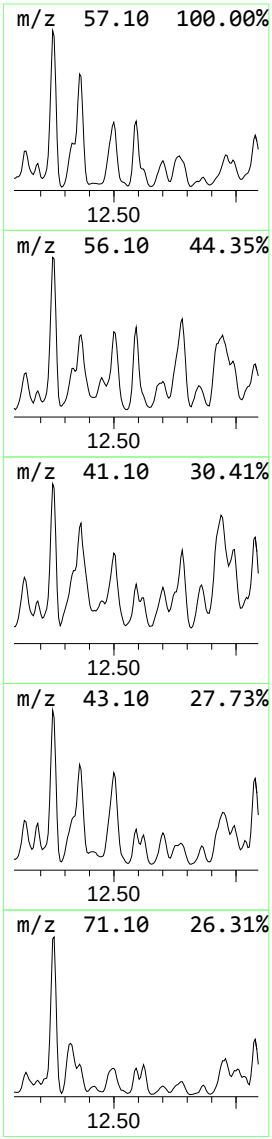
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.591	23.30 ug/L	1311590	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,2,5-trimethyl-	184	C13H28	062237-96-1	64
2	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	59
3	Decane, 2,2,7-trimethyl-	184	C13H28	062237-99-4	53
4	Decane, 2,2,6-trimethyl-	184	C13H28	062237-97-2	53
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

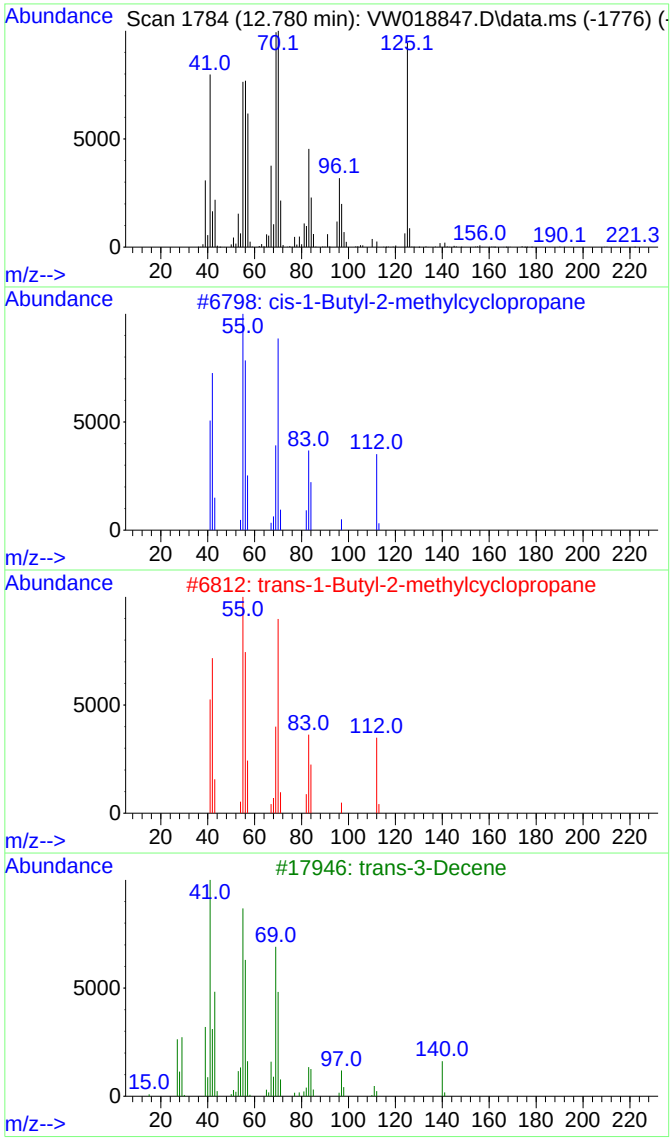
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

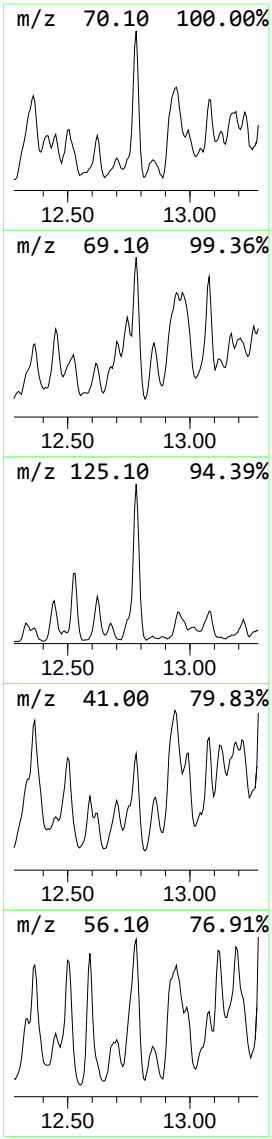
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 (DEL) Alkane: Cyclic12.780 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	32.00 ug/L	3485460	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	55
2	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	49
3	trans-3-Decene	140	C10H20	019150-21-1	38
4	Cyclopentane, 1,1,3,3-tetramethyl-	126	C9H18	050876-33-0	38
5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

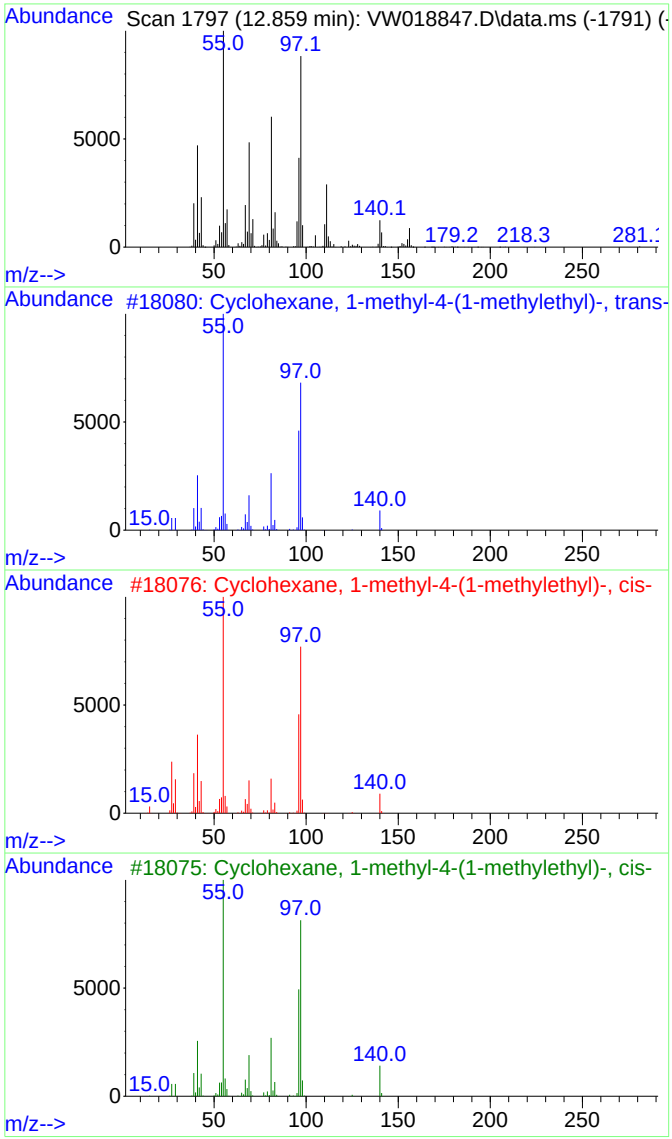
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

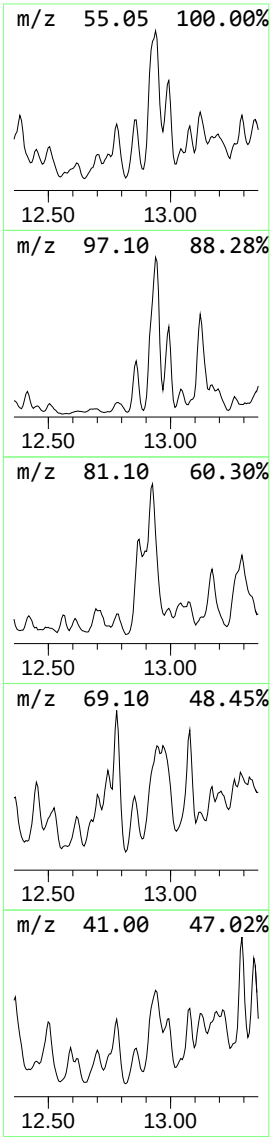
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 (DEL) Alkane: Cyclic12.859 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	19.80 ug/L	2156990	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	76
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	68
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	64
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	64
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

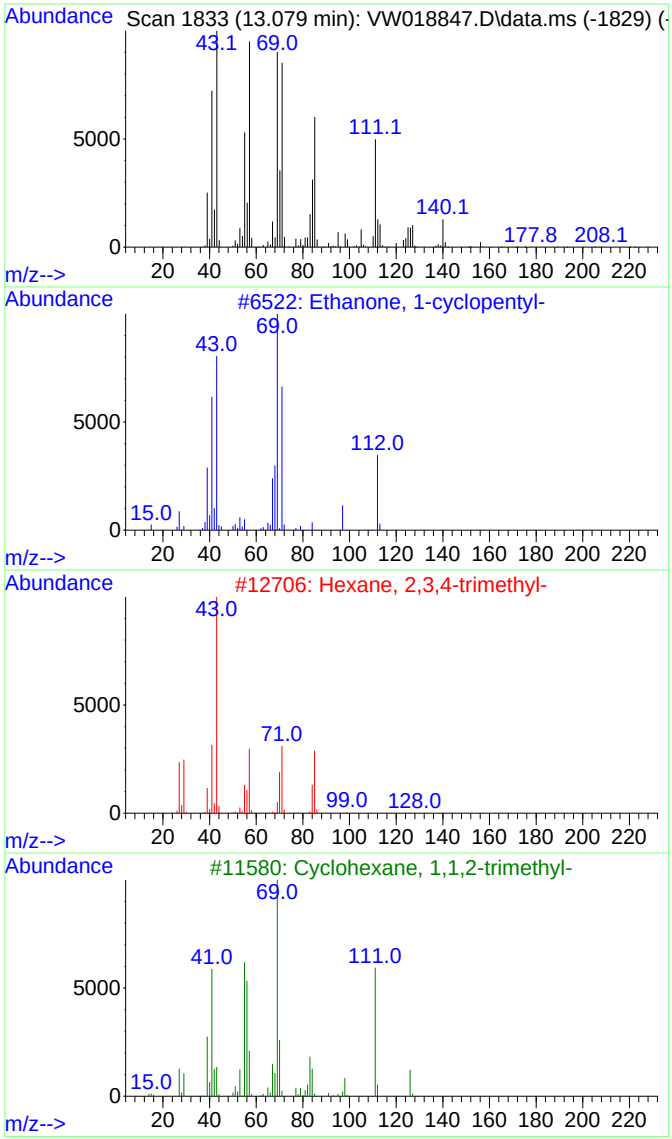
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

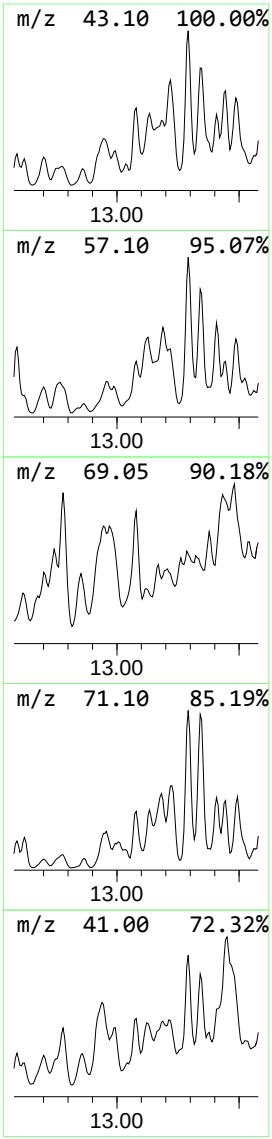
****

Peak Number 39 unknown-01 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.079	16.33 ug/L	1779210	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-cyclopentyl-	112	C7H12O	006004-60-0	43
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	41
3	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	38
4	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	38
5	Decane, 4-methyl-	156	C11H24	002847-72-5	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

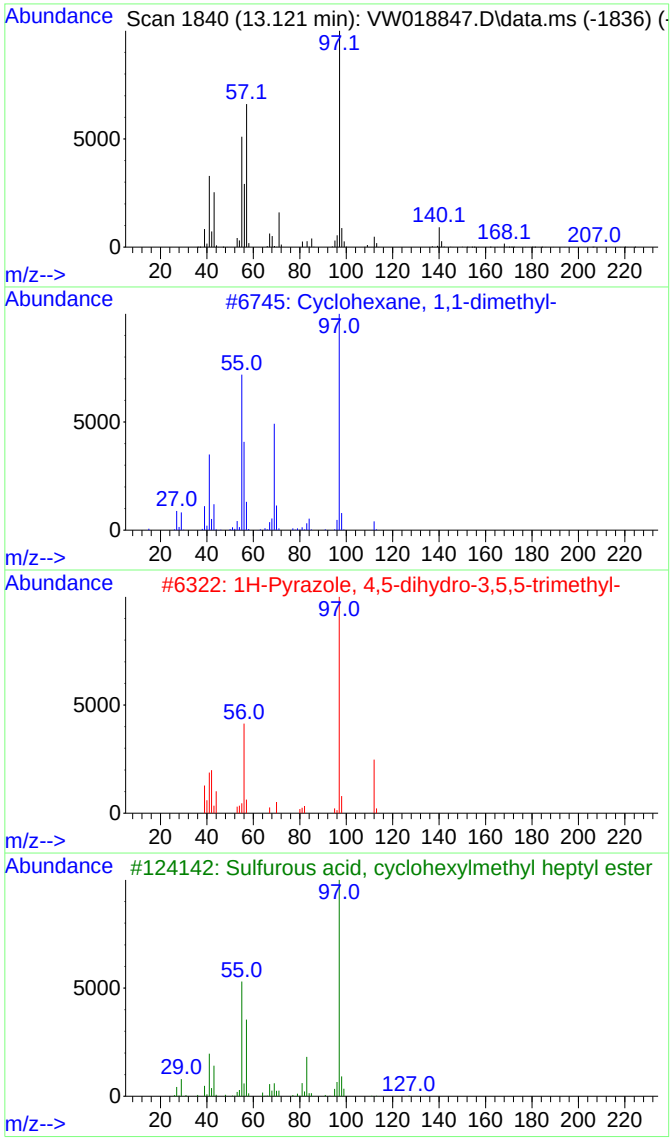
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

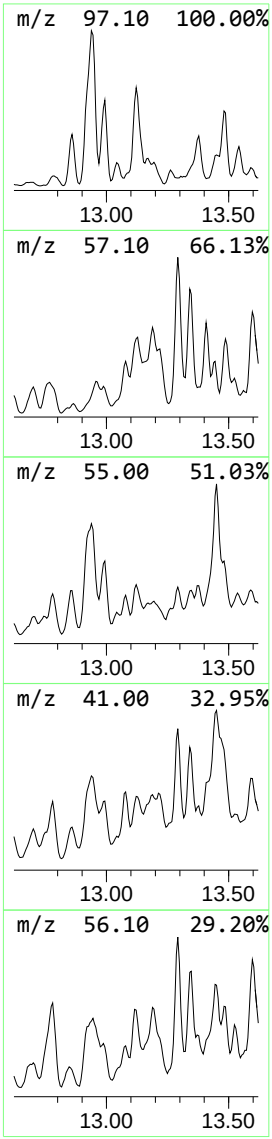
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 (DEL) Alkane: Cyclic13.121 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.121	11.93 ug/L	1299380	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	80
2	1H-Pyrazole, 4,5-dihydro-3,5,5-t...	112	C6H12N2	003975-85-7	59
3	Sulfurous acid, cyclohexylmethyl...	276	C14H28O3S	1000309-21-7	53
4	Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	53
5	Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-6	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

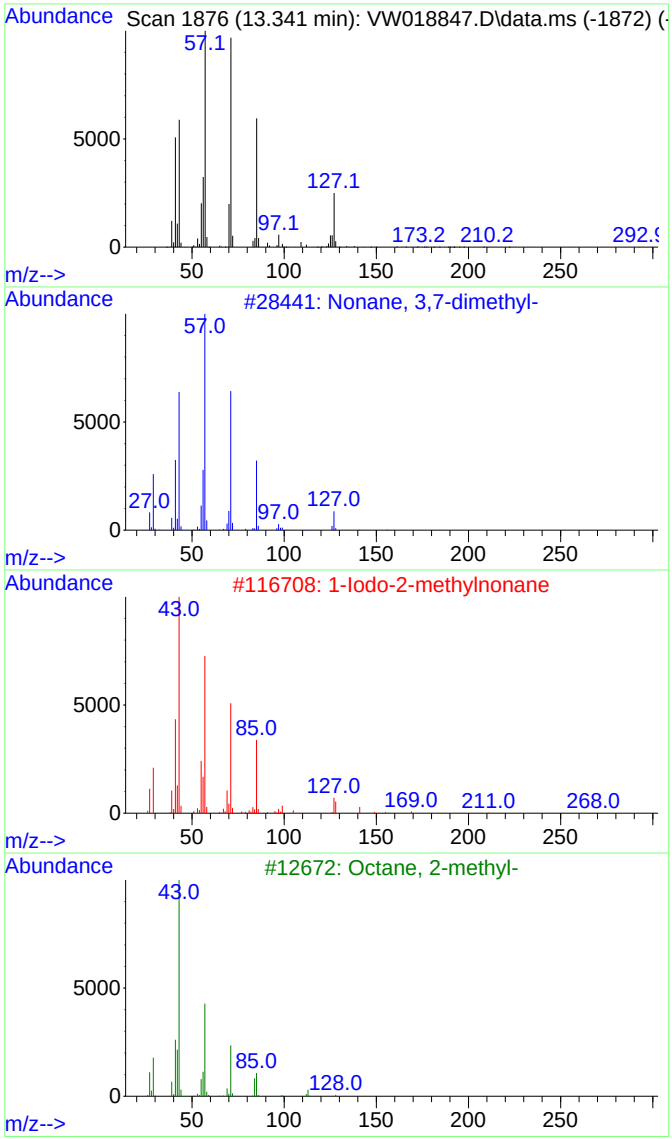
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

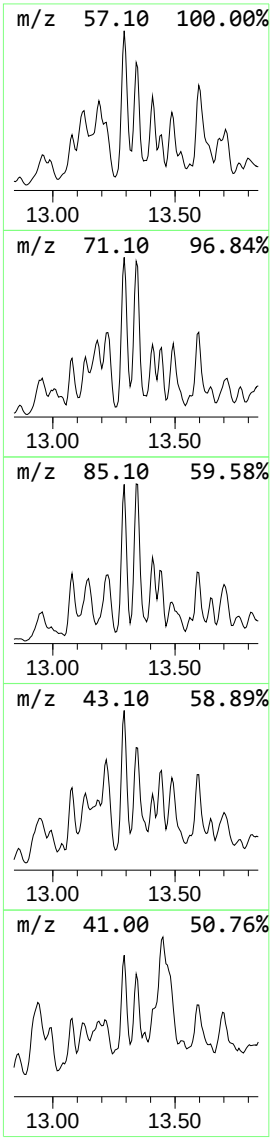
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.341	19.77 ug/L	2153670	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	78
2	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	64
3	Octane, 2-methyl-	128	C9H20	003221-61-2	64
4	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	59
5	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

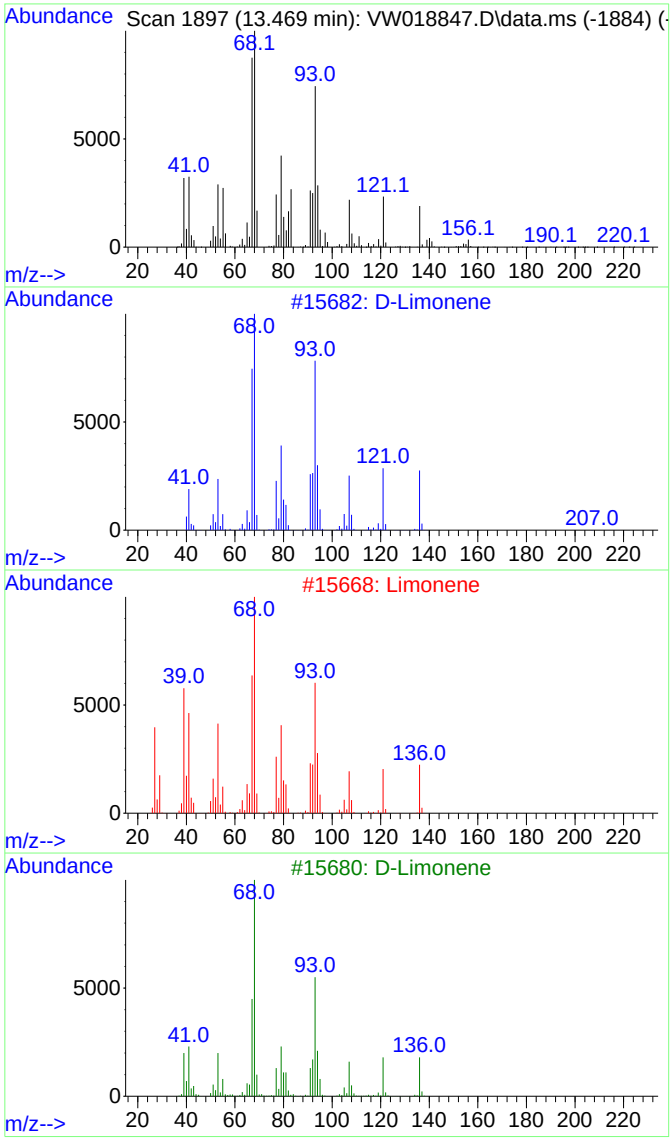
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

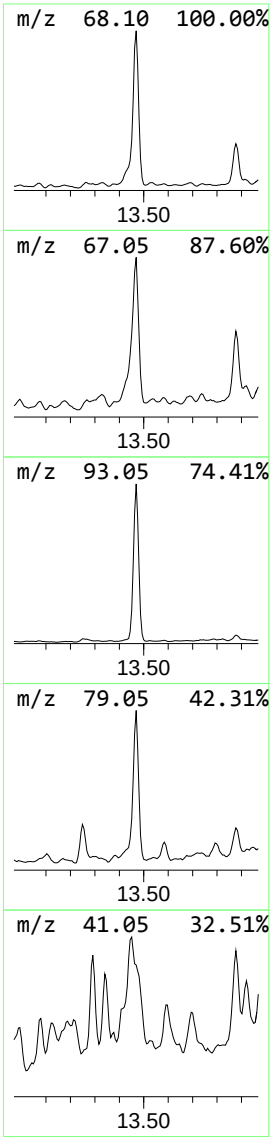
****

Peak Number 42 D-Limonene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.469	125.17 ug/L	13635400	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	93
2	Limonene	136	C10H16	000138-86-3	90
3	D-Limonene	136	C10H16	005989-27-5	89
4	Limonene	136	C10H16	000138-86-3	81
5	D-Limonene	136	C10H16	005989-27-5	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

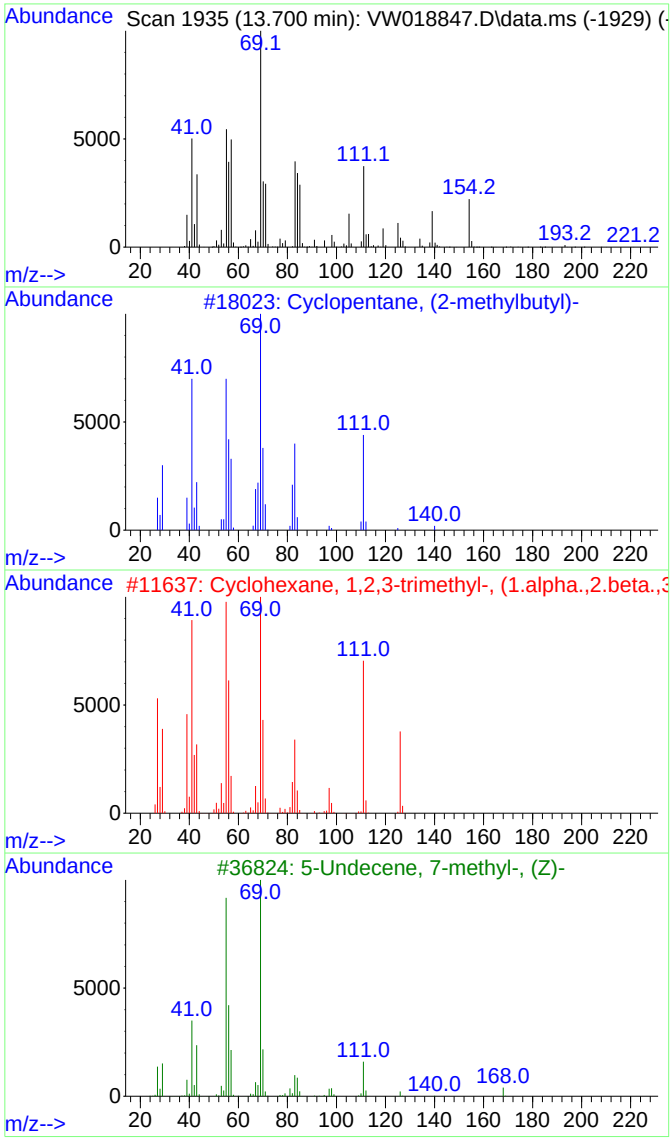
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

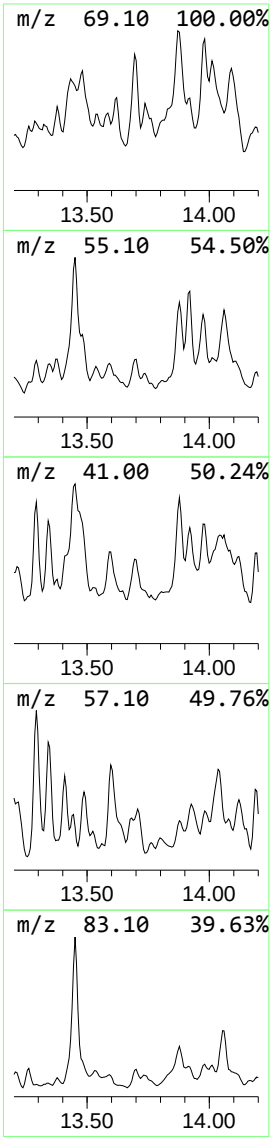
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 (DEL) Alkane: Cyclic13.700 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.700	26.74 ug/L	2912690	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	64
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	46
3	5-Undecene, 7-methyl-, (Z)-	168	C12H24	074630-62-9	38
4	Heptane, 2-methyl-3-methylene-	126	C9H18	062187-11-5	38
5	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

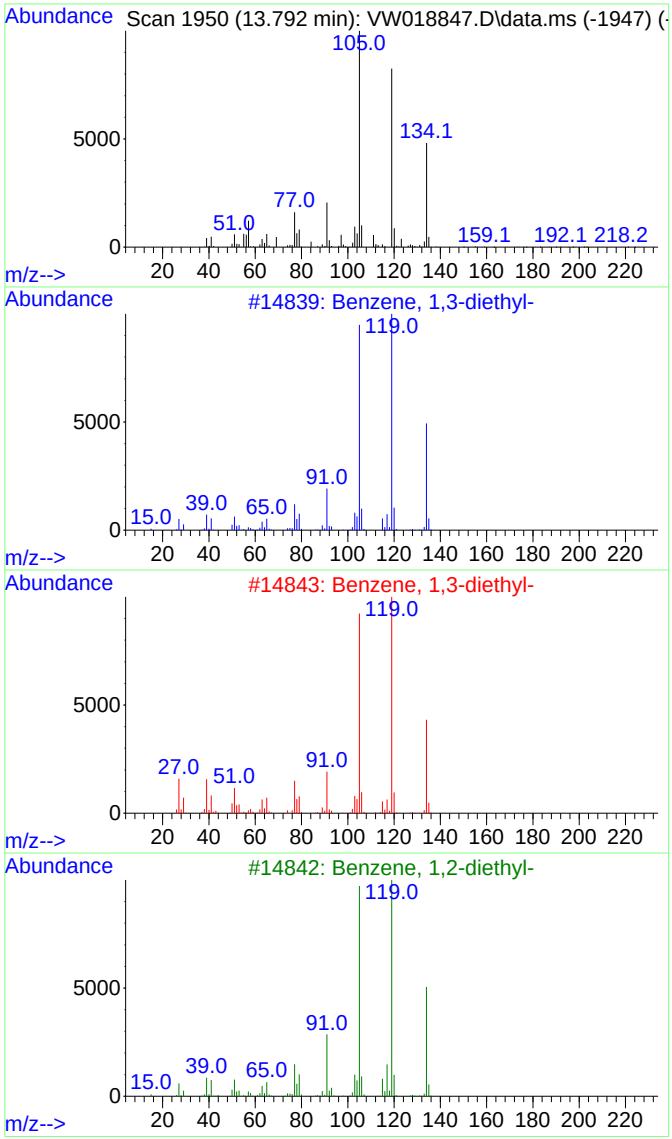
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

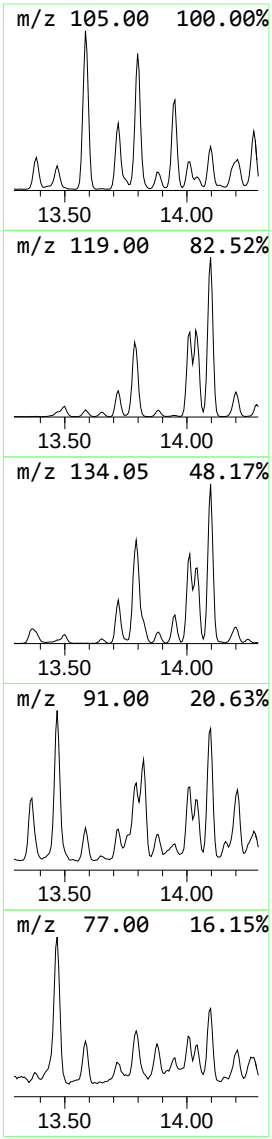
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 Benzene, 1,3-diethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.792	8.19 ug/L	891803	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	91
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

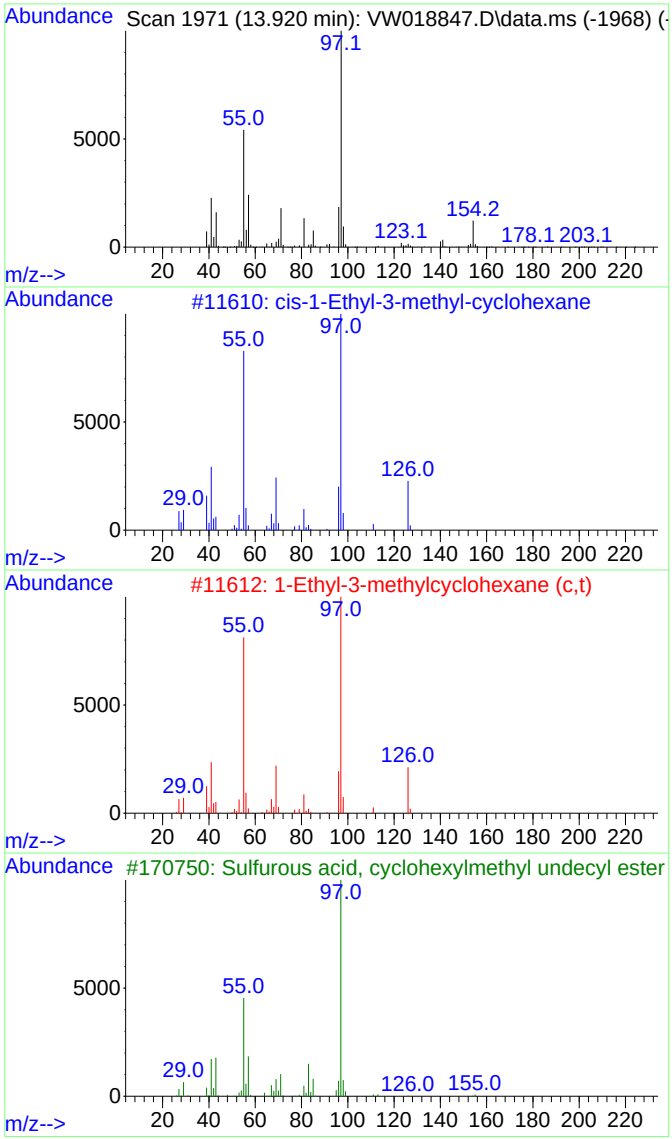
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

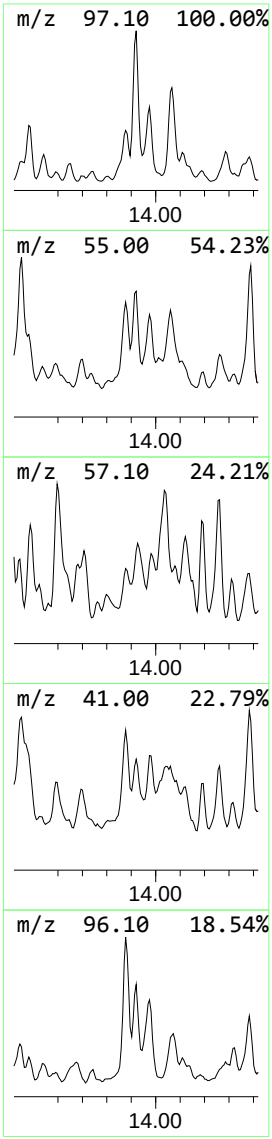
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 (DEL) Alkane: Cyclic13.920 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.920	13.02 ug/L	1418370	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	59
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	59
3	Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	59
4	Thiophene, 2-pentyl-	154	C9H14S	004861-58-9	50
5	Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

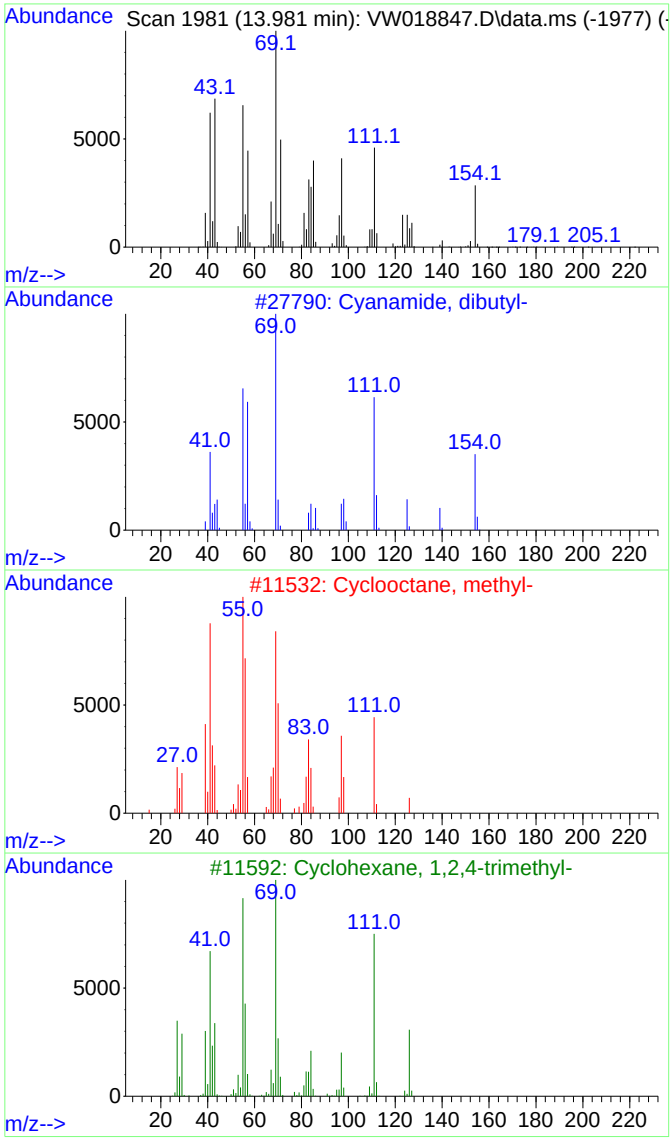
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

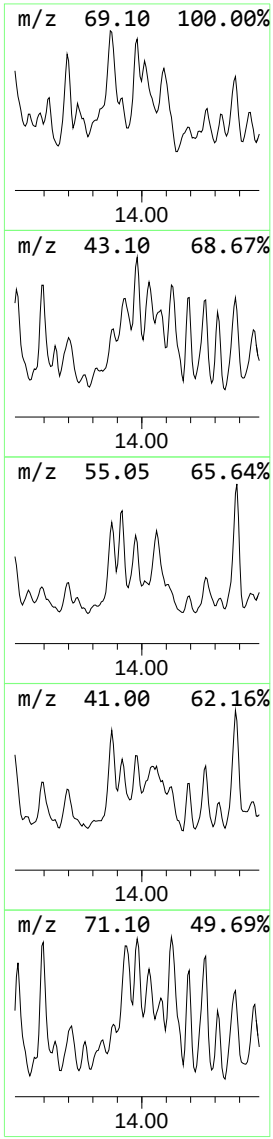
****

Peak Number 46 unknown-02 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.981	14.89 ug/L	1621730	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyanamide, dibutyl-	154	C9H18N2	002050-54-6	46
2	Cyclooctane, methyl-	126	C9H18	001502-38-1	46
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	38
4	Cyclooctane, ethyl-	140	C10H20	013152-02-8	38
5	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

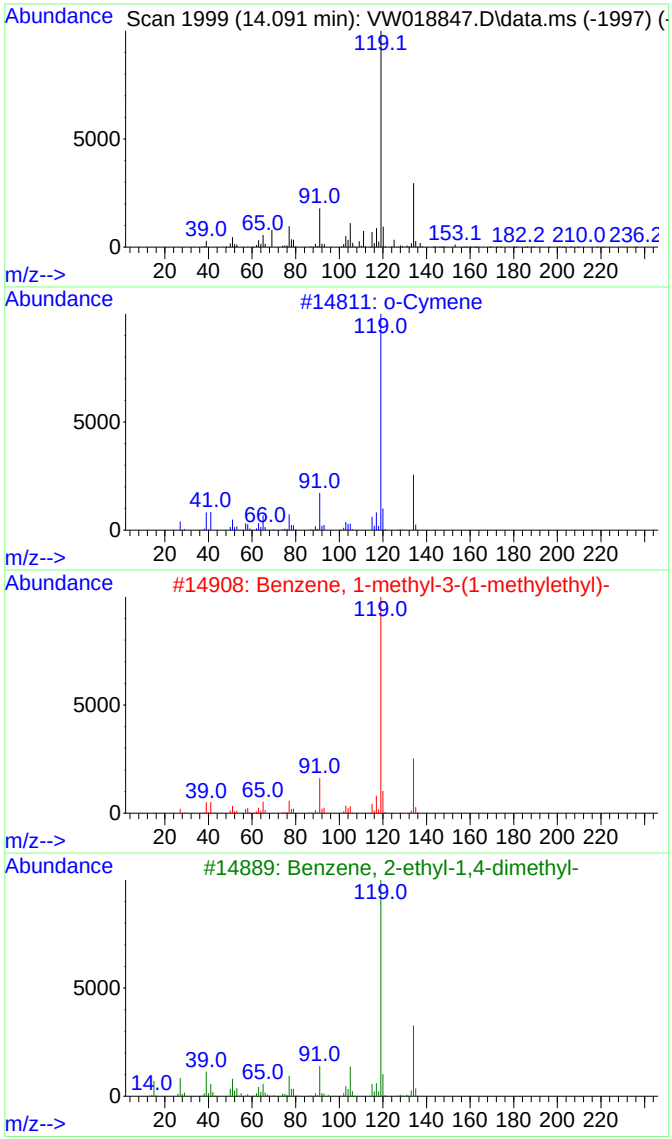
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

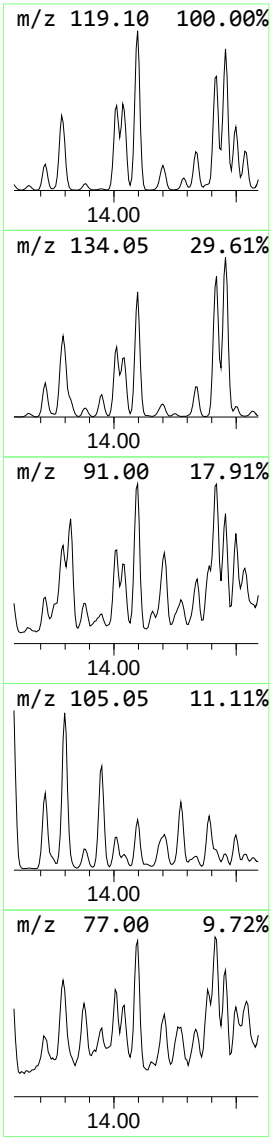
****

Peak Number 47 o-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.091	40.77 ug/L	4441660	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
5	o-Cymene	134	C10H14	000527-84-4	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

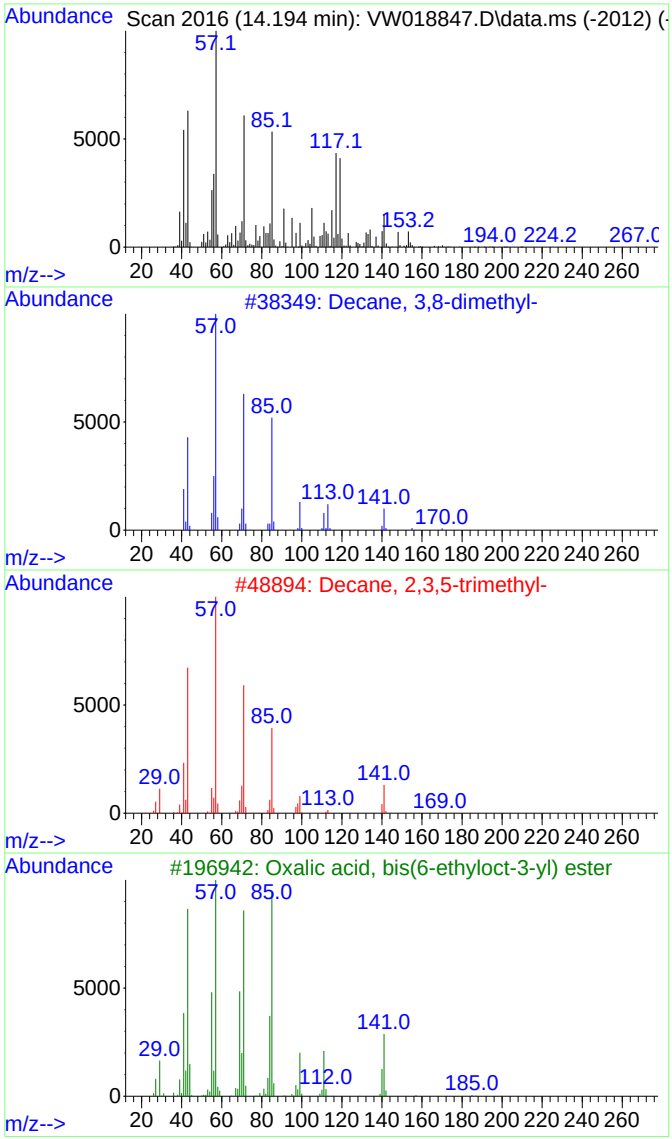
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

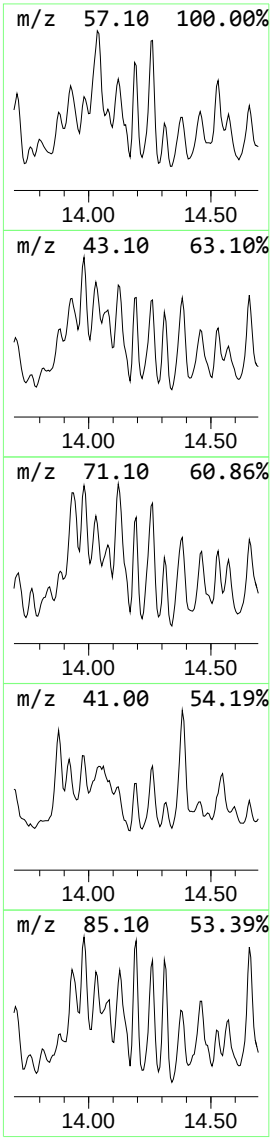
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.194	28.54 ug/L	3108890	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	55
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	46
3	Oxalic acid, bis(6-ethyloct-3-yl...	370	C22H42O4	1000309-34-6	45
4	Undecane, 3-methyl-	170	C12H26	001002-43-3	38
5	Borane, diethyl(decyloxy)-	226	C14H31BO	1000152-34-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

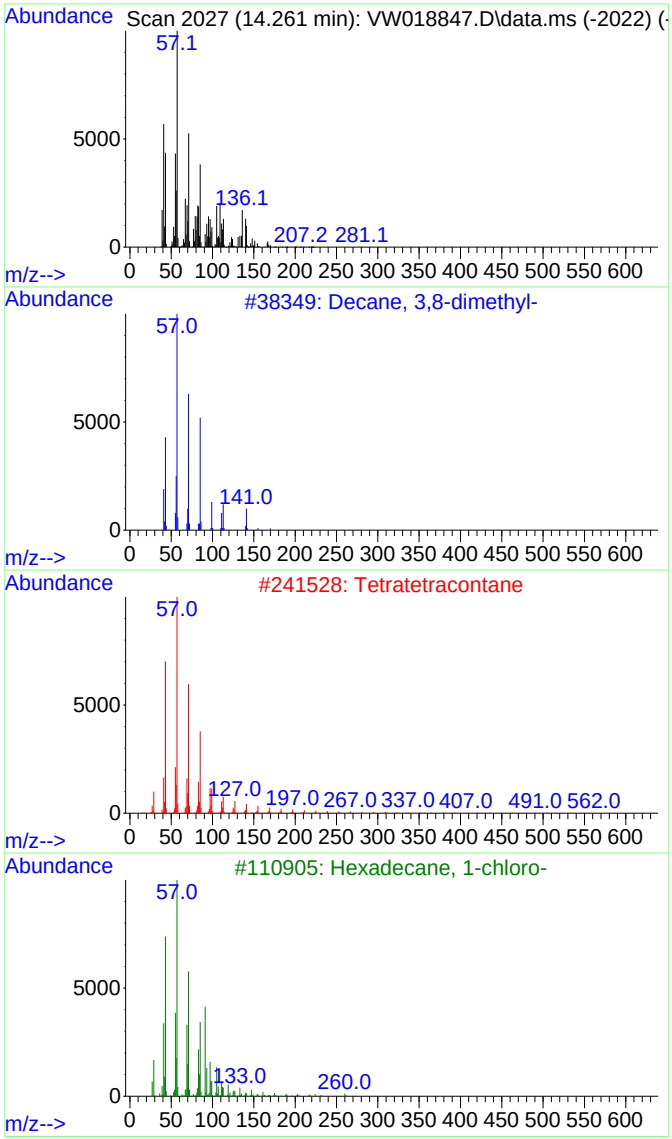
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

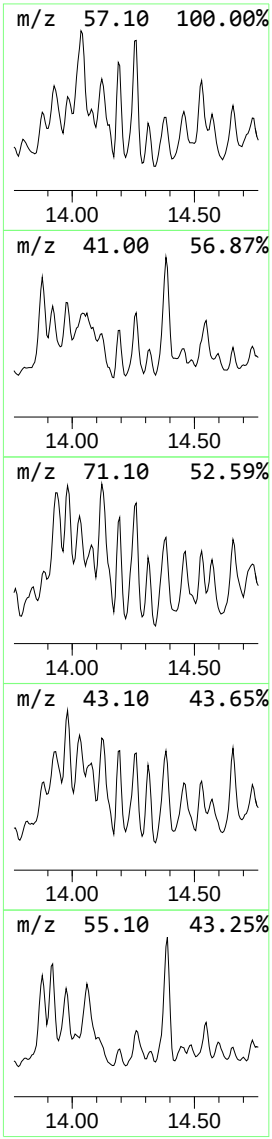
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.261	27.49 ug/L	2995200	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	70
2	Tetratetracontane	619	C44H90	007098-22-8	53
3	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	52
4	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	52
5	5-Ethyldecane	170	C12H26	017302-36-2	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

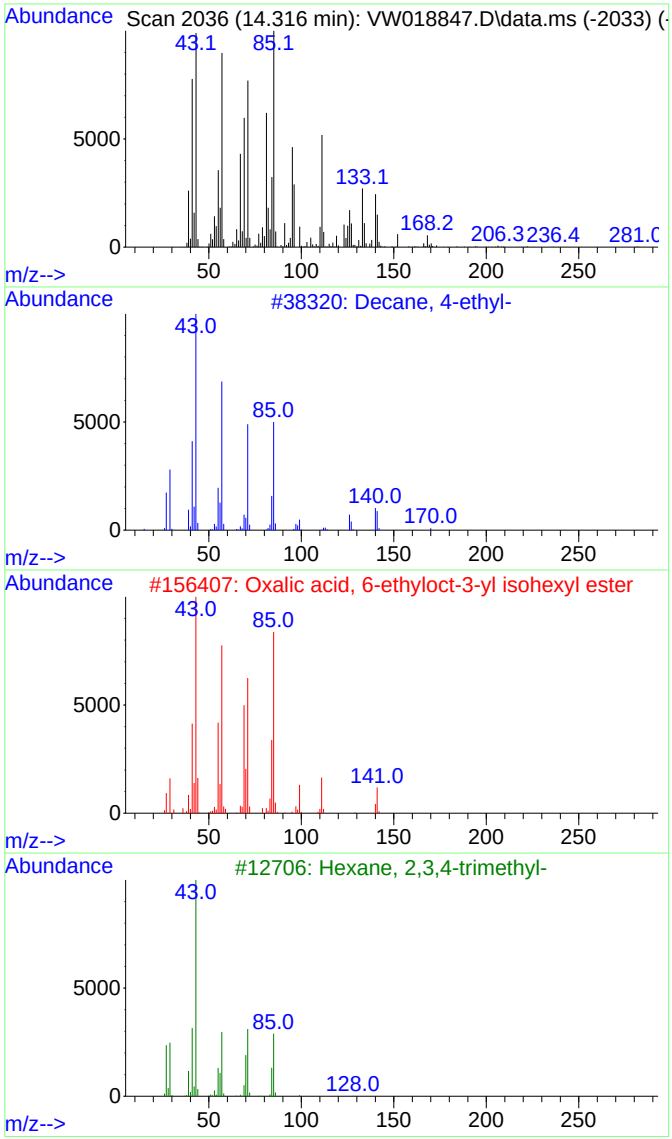
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

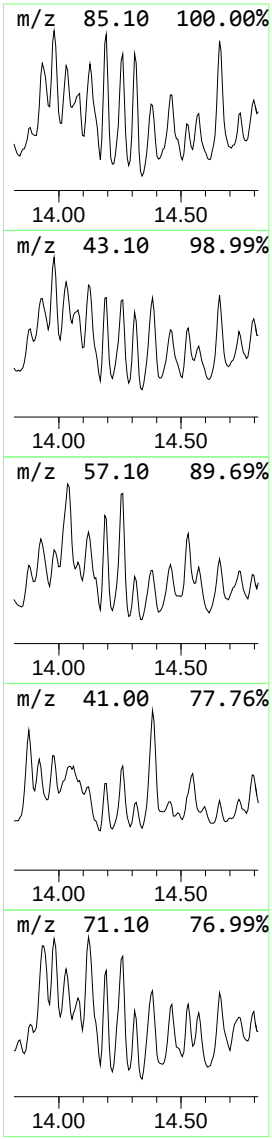
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.316	12.22 ug/L	1330740	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-ethyl-	170	C12H26	001636-44-8	90
2	Oxalic acid, 6-ethyloct-3-yl iso...	314	C18H34O4	1000309-34-3	43
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	38
4	Tridecane, 5-methyl-	198	C14H30	025117-31-1	35
5	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

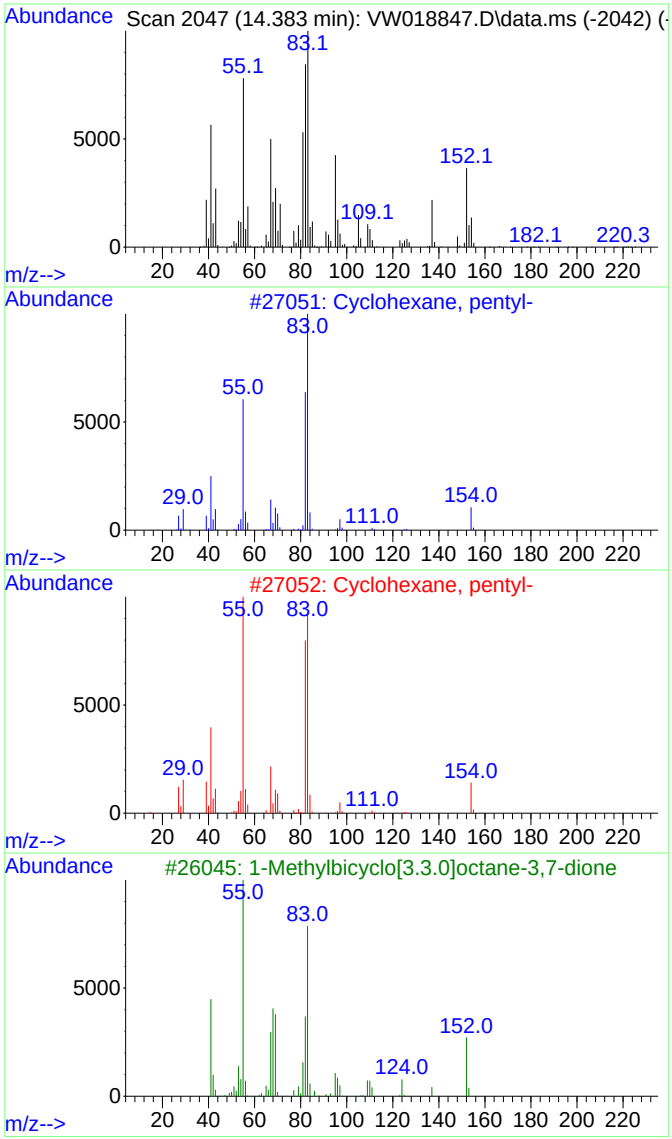
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

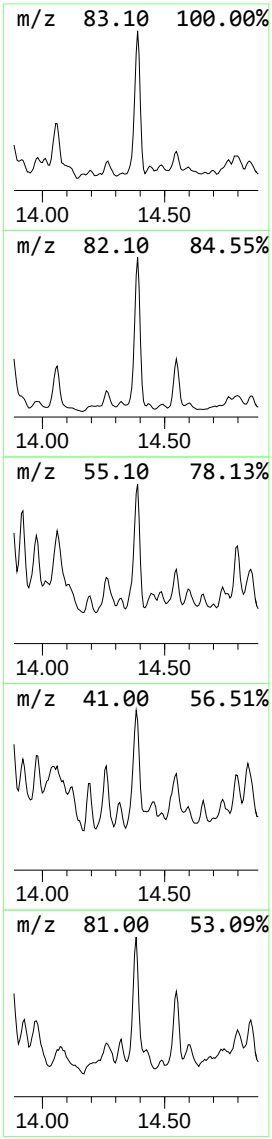
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 (DEL) Alkane: Cyclic14.383 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	57.91 ug/L	6308970	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	55
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	55
3	1-Methylbicyclo[3.3.0]octane-3,7...	152	C9H12O2	021170-08-1	52
4	Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	52
5	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

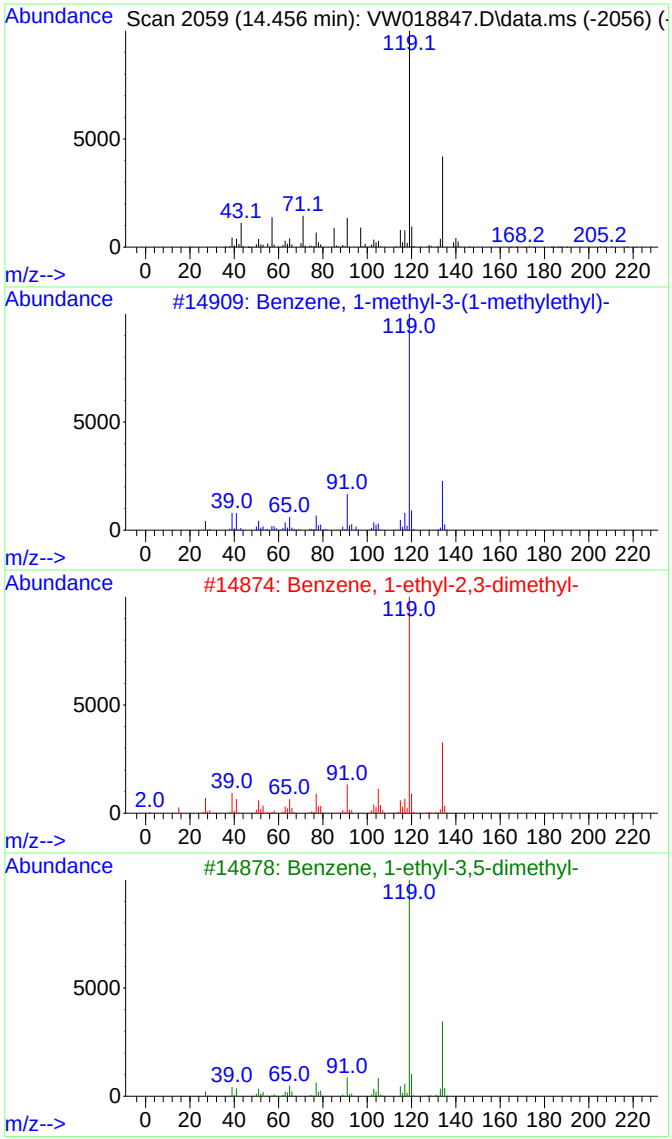
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

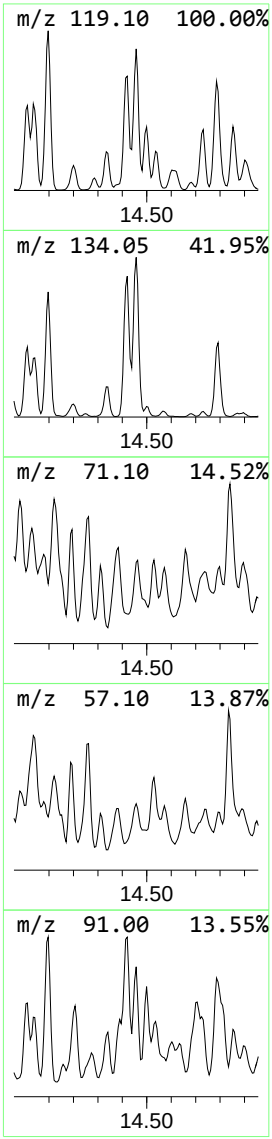
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 Benzene, 1-methyl-3-(1-meth... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.456	16.63 ug/L	1811700	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000874-41-9	90
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

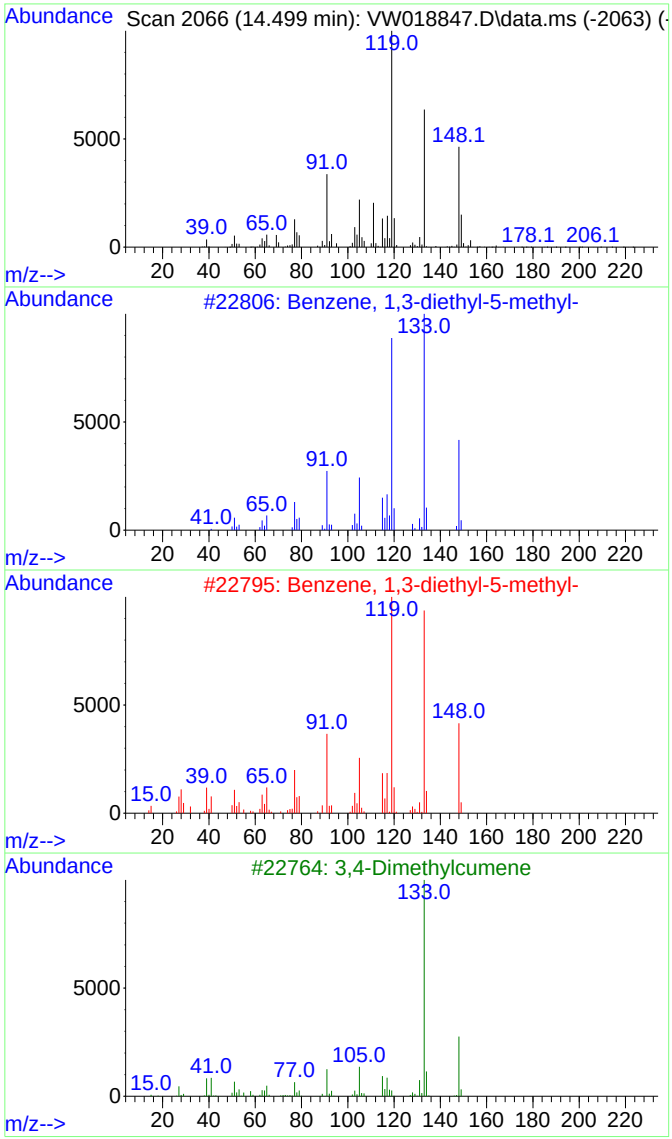
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

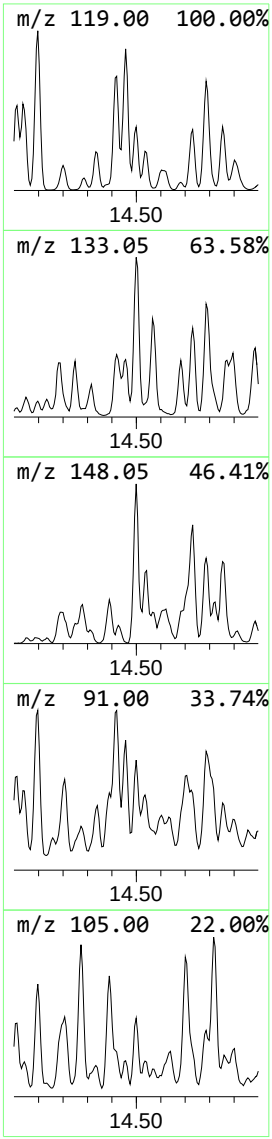
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.499	7.03 ug/L	766024	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	52
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	52
3	3,4-Dimethylcumene	148	C11H16	1000370-34-1	46
4	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	45
5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

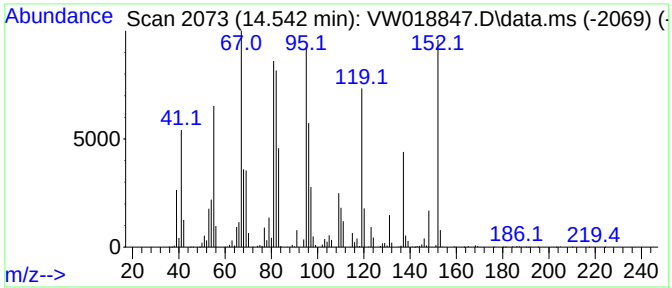
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

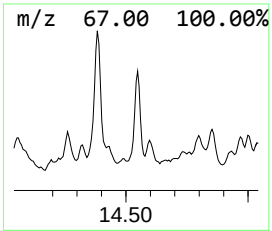
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

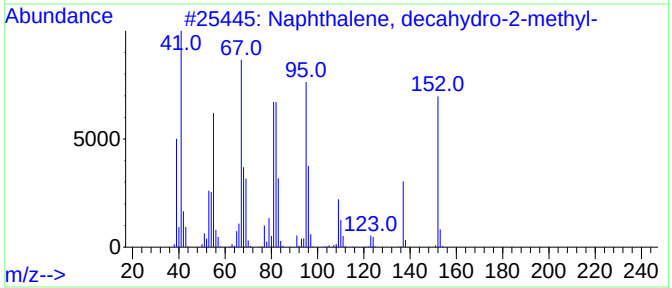
****
Peak Number 54 Naphthalene, decahydro-2-me... Concentration Rank 16

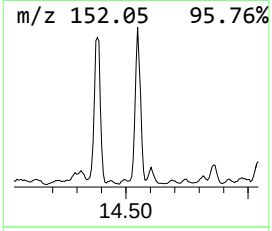
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.542	27.96 ug/L	3046400	1,4-Dichlorobenzene-d4	13.560

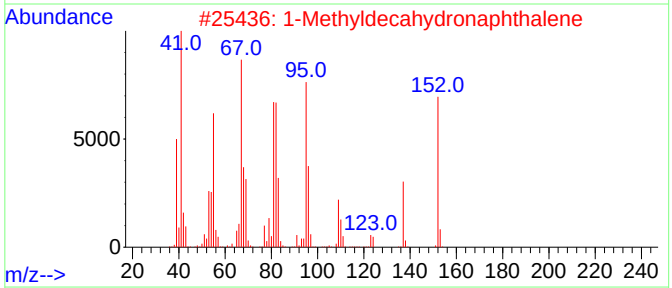
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	96
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	58
4	Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	58
5	Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	55

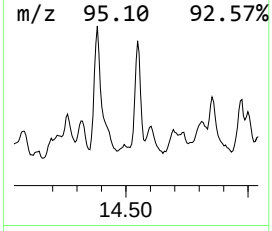


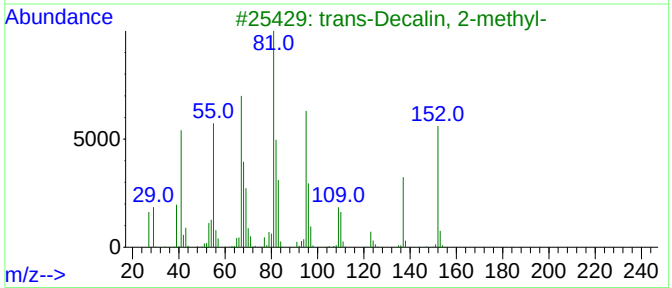


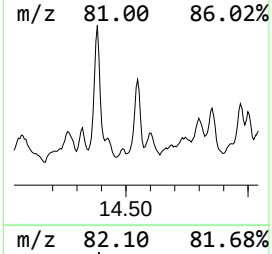


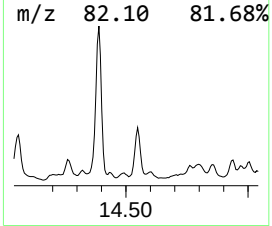












Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

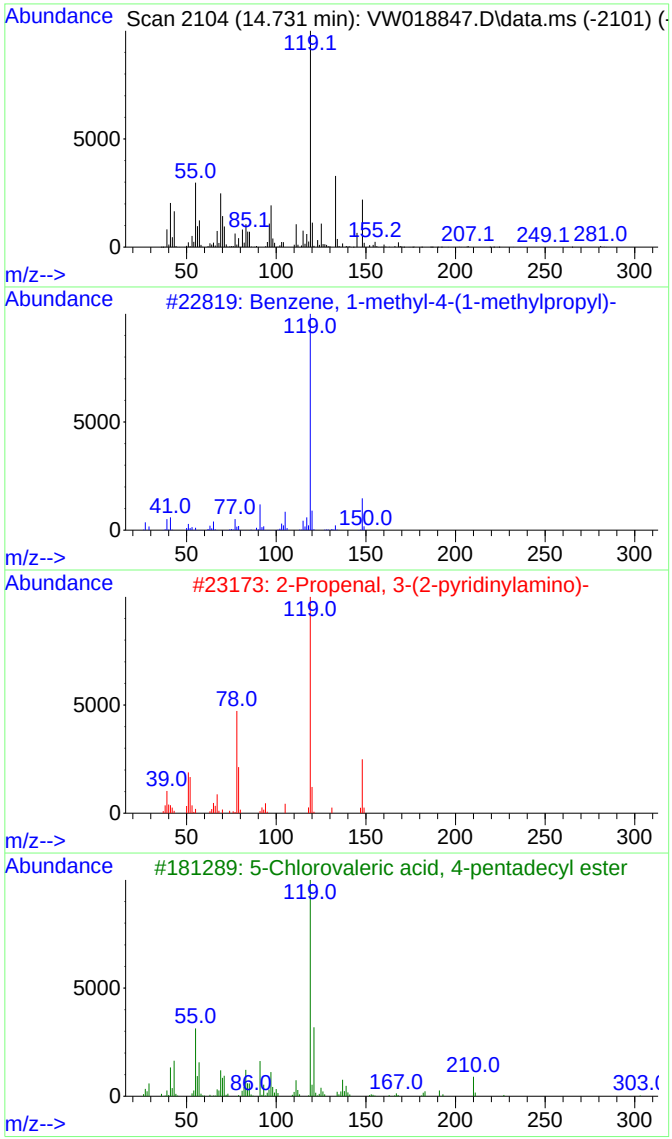
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

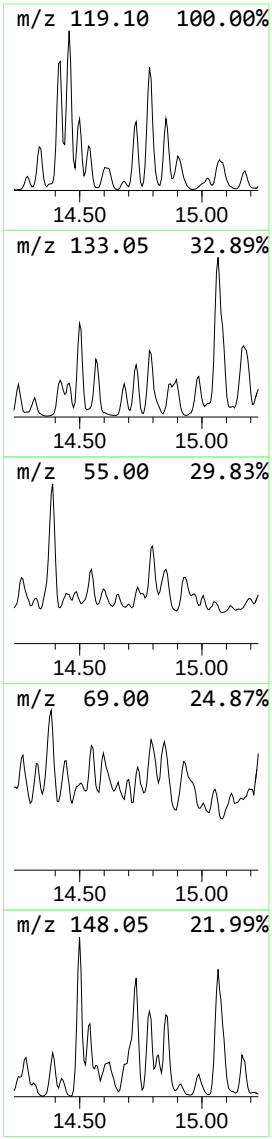
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 55 unknown-03 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.731	9.57 ug/L	1042610	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	49
2	2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	43
3	5-Chlorovaleric acid, 4-pentadec...	346	C20H39ClO2	1000299-92-2	38
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	38
5	5-Chlorovaleric acid, 3-tridecyl...	318	C18H35ClO2	1000299-91-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

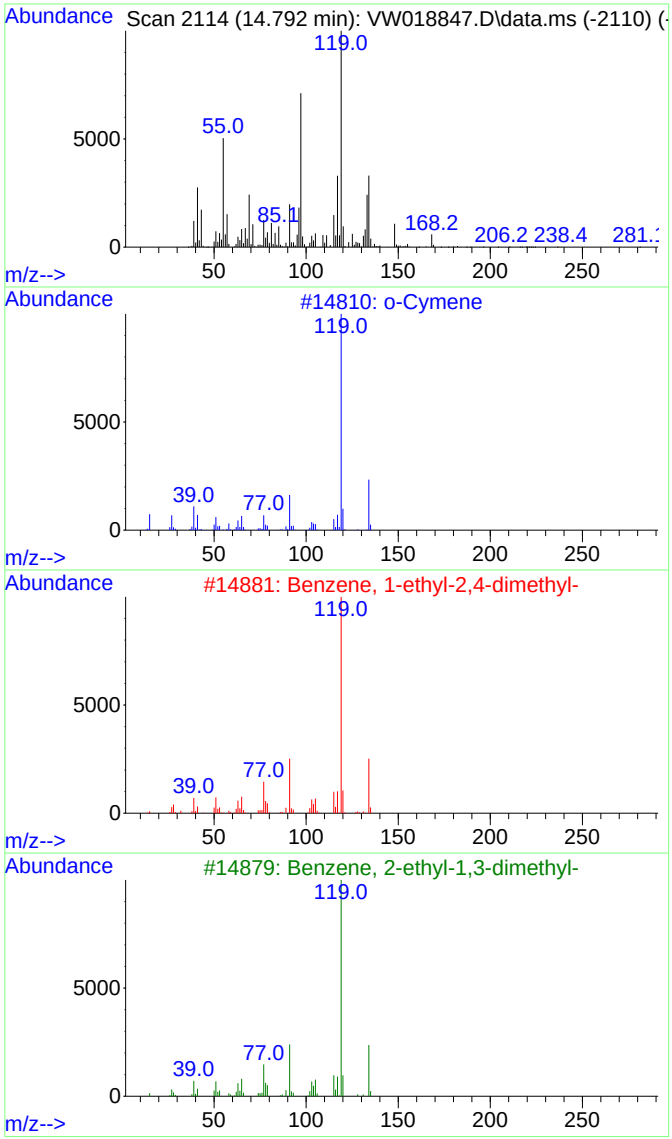
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

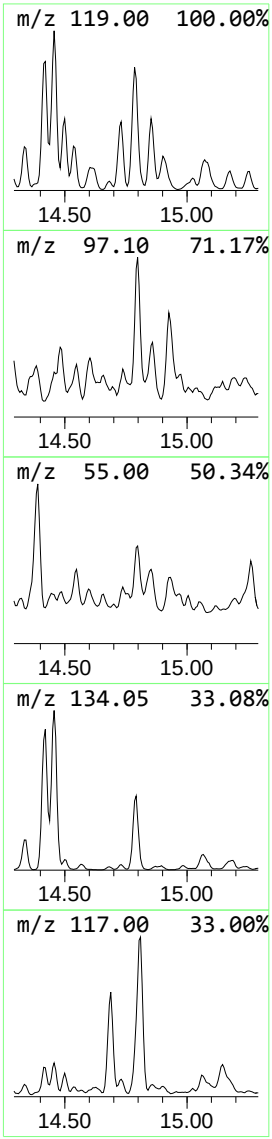
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 56 unknown-04 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.792	44.00 ug/L	4793350	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	50
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	50
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	50
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	50
5	o-Cymene	134	C10H14	000527-84-4	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

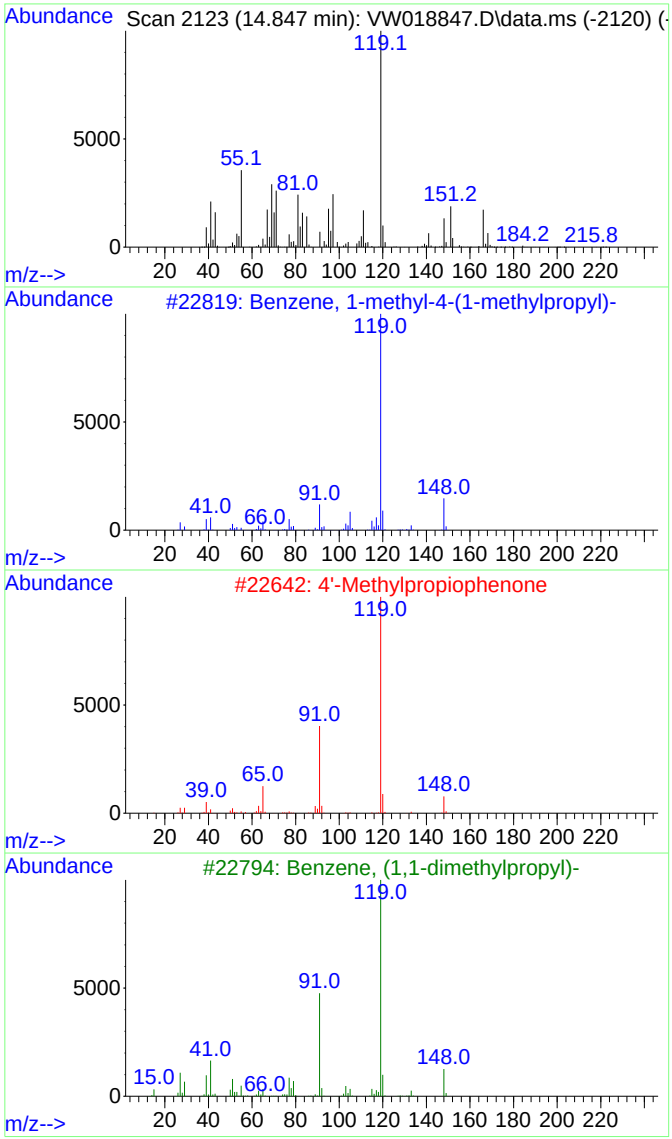
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

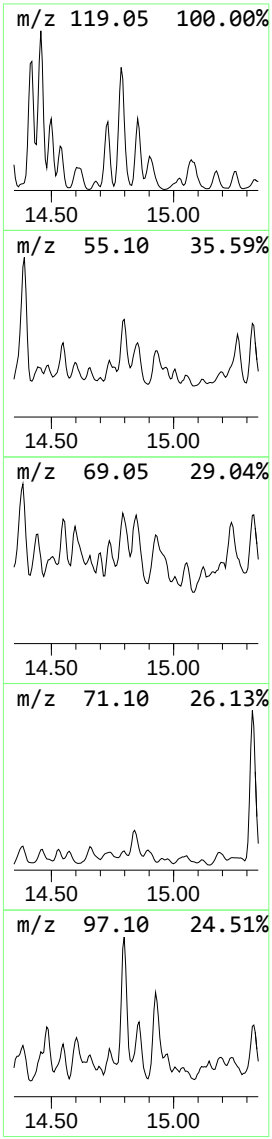
****

Peak Number 57 unknown-05 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.847	29.72 ug/L	3237700	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	38
2	4'-Methylpropiophenone	148	C10H12O	005337-93-9	38
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	38
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	32
5	4'-Methylpropiophenone	148	C10H12O	005337-93-9	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

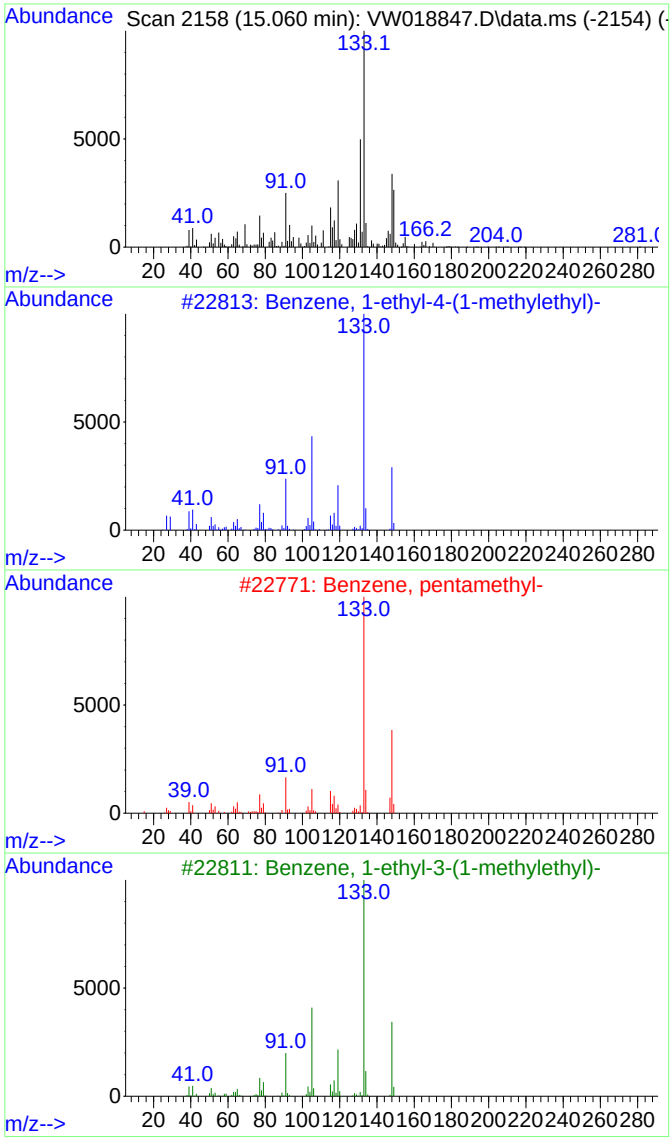
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

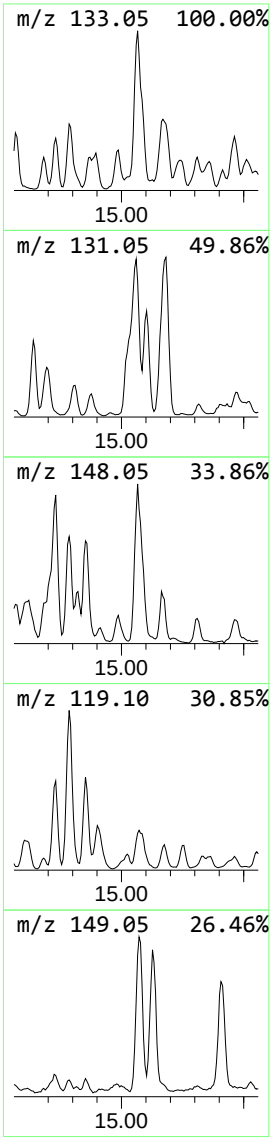
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 58 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	16.54 ug/L	1801970	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	64
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	53
3	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	52
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	52
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

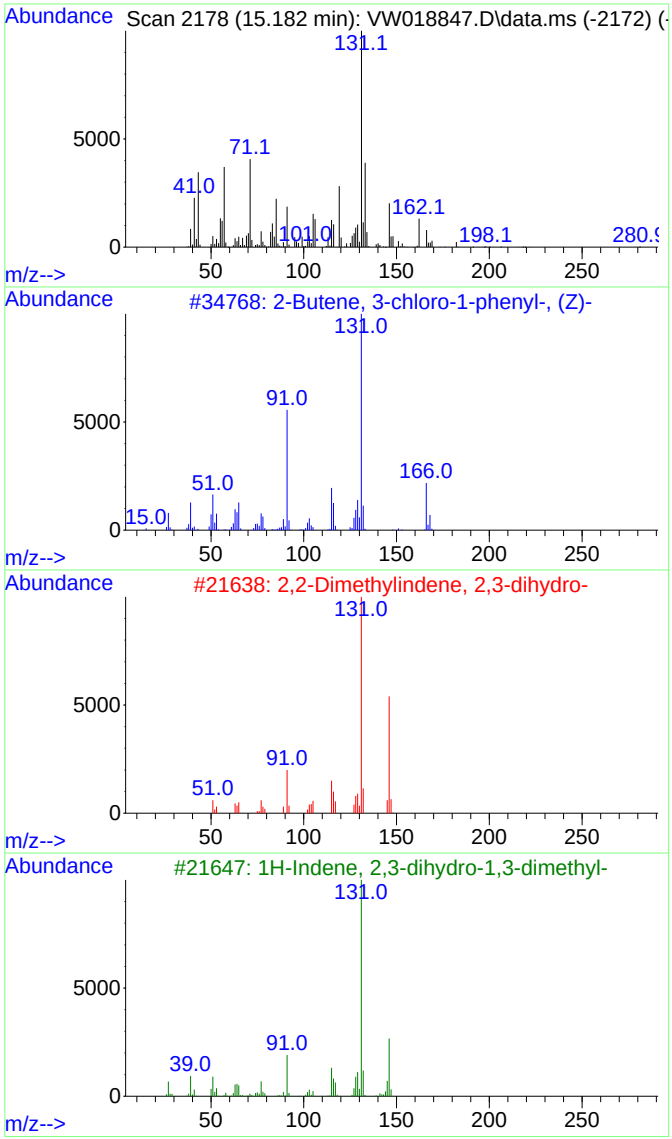
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

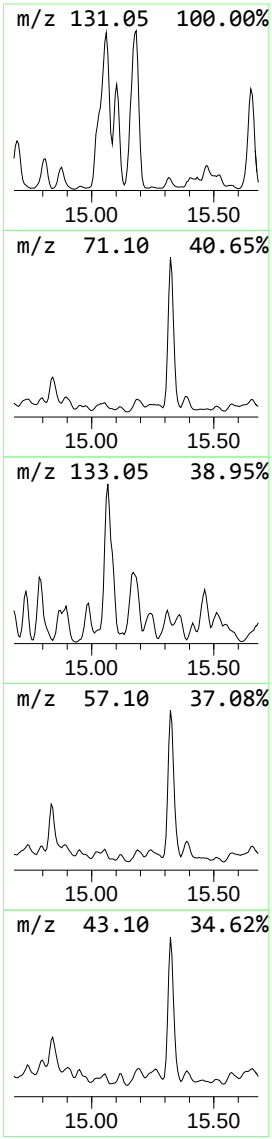
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 59 2-Butene, 3-chloro-1-phenyl... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.182	20.35 ug/L	2216930	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	55
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	50
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	45
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	45
5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

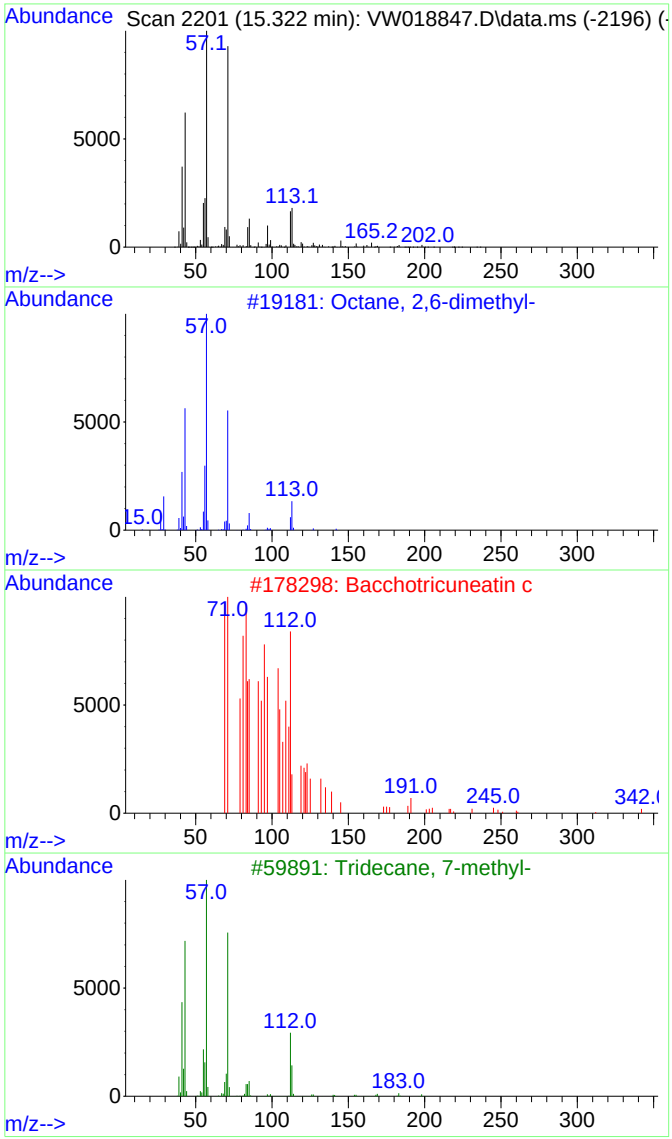
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

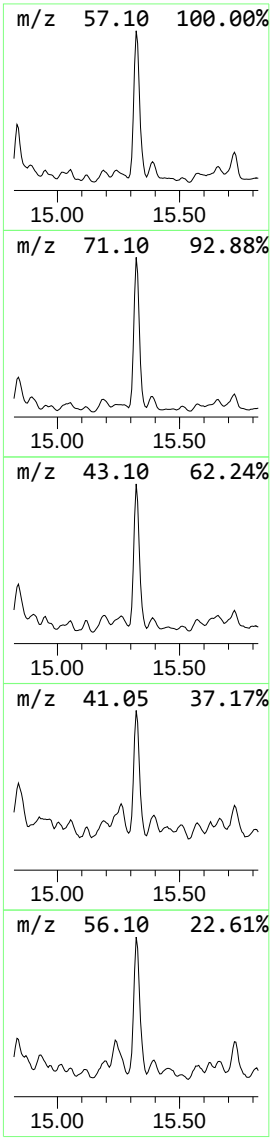
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 60 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	67.64 ug/L	7368380	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86
2	Bacchotricuneatin c	342	C20H22O5	066563-30-2	83
3	Tridecane, 7-methyl-	198	C14H30	026730-14-3	80
4	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	72
5	Decane, 2-methyl-	156	C11H24	006975-98-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

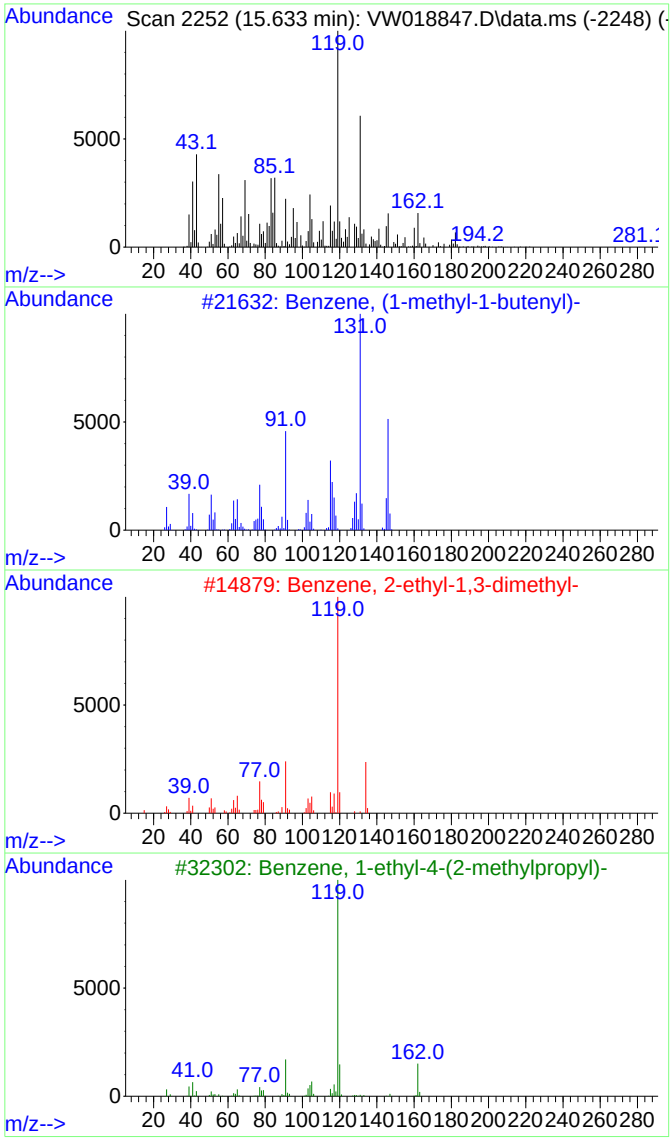
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

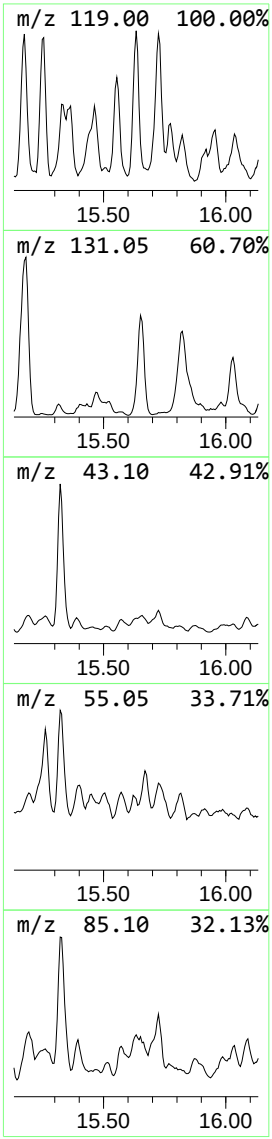
****

Peak Number 61 unknown-06 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.633	7.59 ug/L	827186	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	38
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	38
3	Benzene, 1-ethyl-4-(2-methylprop...	162	C12H18	100319-40-2	38
4	.alpha.-Bromomesitylene	198	C9H11Br	027129-86-8	38
5	1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

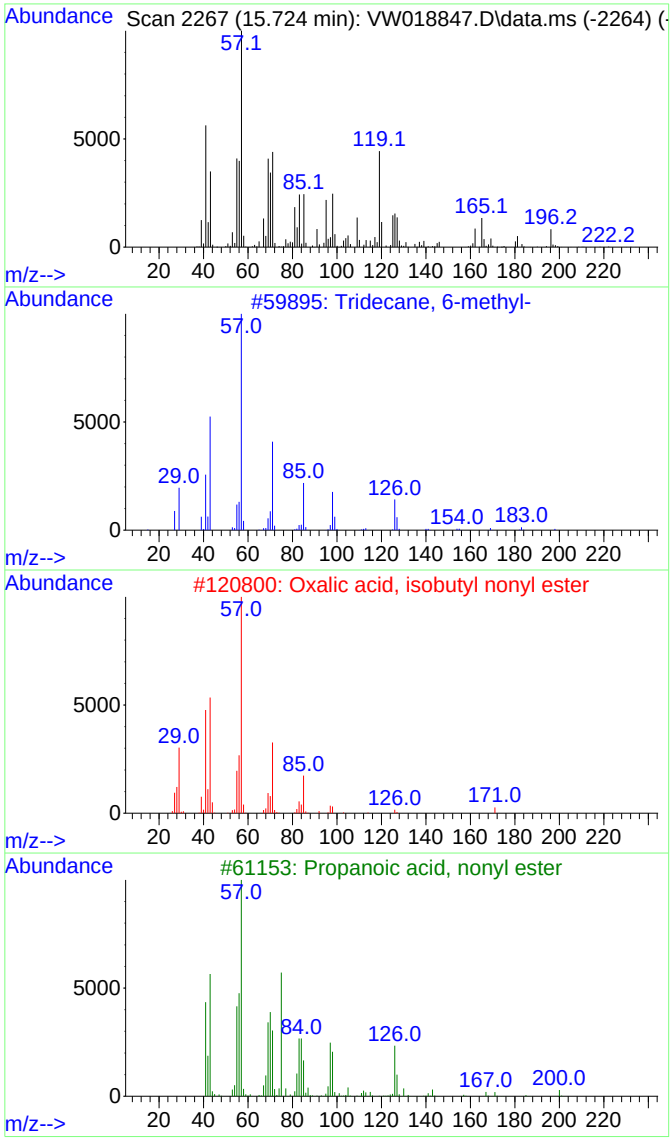
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

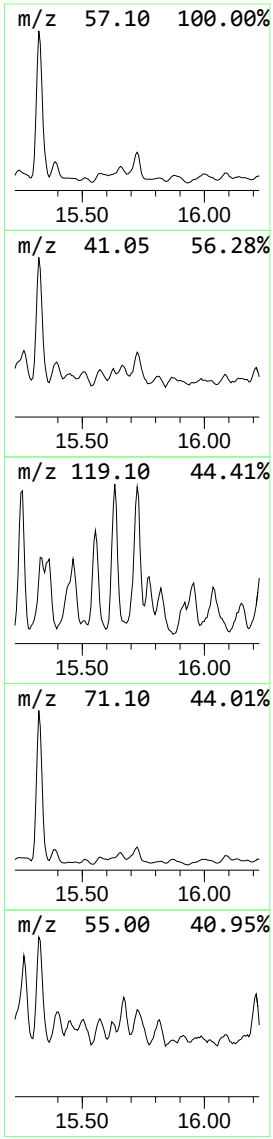
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 62 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.724	20.40 ug/L	2221980	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	46
2	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	35
3	Propanoic acid, nonyl ester	200	C12H24O2	053184-67-1	35
4	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	27
5	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

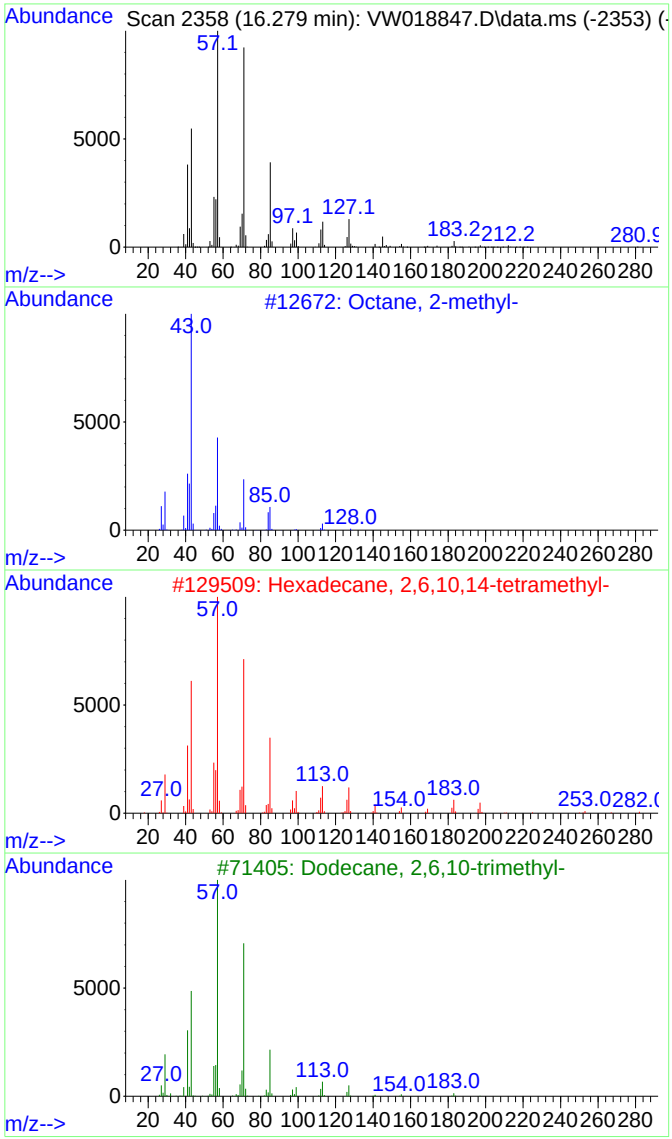
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0

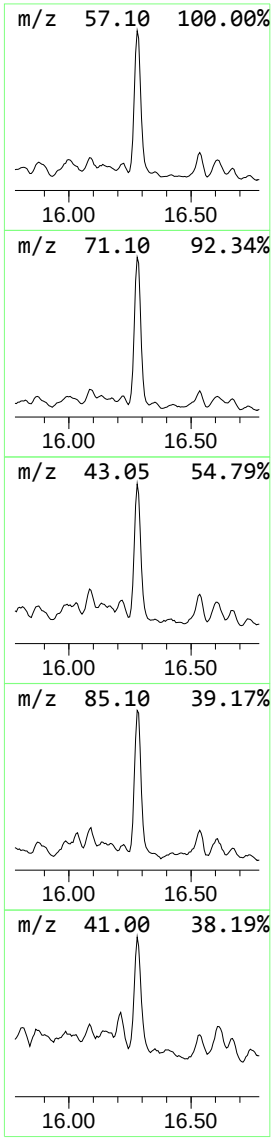
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 63 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.279	41.90 ug/L	4563970	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	87
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
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	1-Undecene, 4-methyl-	168	C12H24	074630-39-0	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
Data File : VW018847.D
Acq On : 29 Apr 2021 15:54
Operator : SY/VA
Sample : M2177-17RE
Misc : 4.66G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG587RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.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...	8.037	2.4	ug/L	132931	1	8.841	1389540	25.0
(DEL) Alkane: S...	8.159	2.9	ug/L	159710	1	8.841	1389540	25.0
(DEL) Alkane: S...	8.482	39.3	ug/L	2185150	1	8.841	1389540	25.0
Ethanedione, di...	8.573	1.5	ug/L	82635	1	8.841	1389540	25.0
(DEL) Alkane: C...	9.073	1.5	ug/L	84474	1	8.841	1389540	25.0
(DEL) Alkane: S...	9.469	3.5	ug/L	194304	1	8.841	1389540	25.0
(DEL) Alkane: C...	9.512	1.7	ug/L	95823	1	8.841	1389540	25.0
(DEL) Alkane: C...	9.610	4.2	ug/L	231801	1	8.841	1389540	25.0
(DEL) Alkane: S...	9.762	38.7	ug/L	2150530	1	8.841	1389540	25.0
(DEL) Alkane: S...	9.896	58.9	ug/L	3273730	1	8.841	1389540	25.0
(DEL) Alkane: C...	9.994	1.5	ug/L	83236	1	8.841	1389540	25.0
(DEL) Alkane: S...	10.085	2.6	ug/L	146456	1	8.841	1389540	25.0
(DEL) Alkane: S...	10.250	33.5	ug/L	1887520	2	11.634	1407420	25.0
(DEL) Alkane: C...	10.445	2.5	ug/L	143837	2	11.634	1407420	25.0
(DEL) Alkane: C...	10.494	2.7	ug/L	150876	2	11.634	1407420	25.0
(DEL) Alkane: C...	10.664	4.3	ug/L	240952	2	11.634	1407420	25.0
(DEL) Alkane: C...	10.768	17.8	ug/L	1000410	2	11.634	1407420	25.0
(DEL) Alkane: S...	10.847	5.1	ug/L	284742	2	11.634	1407420	25.0
(DEL) Alkane: C...	11.000	3.1	ug/L	173503	2	11.634	1407420	25.0
(DEL) Alkane: S...	11.036	12.0	ug/L	675770	2	11.634	1407420	25.0
(DEL) Alkane: C...	11.109	3.4	ug/L	191903	2	11.634	1407420	25.0
(DEL) Alkane: C...	11.140	2.8	ug/L	160093	2	11.634	1407420	25.0
(DEL) Alkane: C...	11.183	7.3	ug/L	409410	2	11.634	1407420	25.0
(DEL) Alkane: C...	11.231	12.7	ug/L	712594	2	11.634	1407420	25.0
1,2,4,4-Tetrame...	11.286	4.1	ug/L	229533	2	11.634	1407420	25.0
(DEL) Alkane: S...	11.341	10.4	ug/L	587529	2	11.634	1407420	25.0
(DEL) Alkane: S...	11.384	2.5	ug/L	142920	2	11.634	1407420	25.0
(DEL) Alkane: C...	11.439	15.6	ug/L	879767	2	11.634	1407420	25.0
(DEL) Alkane: S...	11.512	19.5	ug/L	1096930	2	11.634	1407420	25.0
(DEL) Alkane: C...	11.914	11.4	ug/L	643398	2	11.634	1407420	25.0
(DEL) Alkane: C...	11.975	5.4	ug/L	302124	2	11.634	1407420	25.0
(DEL) Alkane: S...	12.067	8.9	ug/L	499112	2	11.634	1407420	25.0
(DEL) Alkane: S...	12.249	61.1	ug/L	3439890	2	11.634	1407420	25.0
(DEL) Alkane: S...	12.365	116.9	ug/L	6582000	2	11.634	1407420	25.0
(DEL) Alkane: S...	12.591	23.3	ug/L	1311590	2	11.634	1407420	25.0
(DEL) Alkane: C...	12.780	32.0	ug/L	3485460	3	13.560	2723420	25.0
(DEL) Alkane: C...	12.859	19.8	ug/L	2156990	3	13.560	2723420	25.0
unknown-01	13.079	16.3	ug/L	1779210	3	13.560	2723420	25.0
(DEL) Alkane: C...	13.121	11.9	ug/L	1299380	3	13.560	2723420	25.0
(DEL) Alkane: S...	13.341	19.8	ug/L	2153670	3	13.560	2723420	25.0
D-Limonene	13.469	125.2	ug/L	13635400	3	13.560	2723420	25.0
(DEL) Alkane: C...	13.700	26.7	ug/L	2912690	3	13.560	2723420	25.0
Benzene, 1,3-di...	13.792	8.2	ug/L	891803	3	13.560	2723420	25.0
(DEL) Alkane: C...	13.920	13.0	ug/L	1418370	3	13.560	2723420	25.0
unknown-02	13.981	14.9	ug/L	1621730	3	13.560	2723420	25.0
o-Cymene	14.091	40.8	ug/L	4441660	3	13.560	2723420	25.0
(DEL) Alkane: S...	14.194	28.5	ug/L	3108890	3	13.560	2723420	25.0
(DEL) Alkane: S...	14.261	27.5	ug/L	2995200	3	13.560	2723420	25.0
(DEL) Alkane: S...	14.316	12.2	ug/L	1330740	3	13.560	2723420	25.0
(DEL) Alkane: C...	14.383	57.9	ug/L	6308970	3	13.560	2723420	25.0
Benzene, 1-meth...	14.456	16.6	ug/L	1811700	3	13.560	2723420	25.0
Benzene, 1,3-di...	14.499	7.0	ug/L	766024	3	13.560	2723420	25.0

Naphthalene, de...	14.542	28.0	ug/L	3046400	3	13.560	2723420	25.0
unknown-03	14.731	9.6	ug/L	1042610	3	13.560	2723420	25.0
unknown-04	14.792	44.0	ug/L	4793350	3	13.560	2723420	25.0
unknown-05	14.847	29.7	ug/L	3237700	3	13.560	2723420	25.0
Benzene, 1-ethy...	15.060	16.5	ug/L	1801970	3	13.560	2723420	25.0
2-Butene, 3-chl...	15.182	20.4	ug/L	2216930	3	13.560	2723420	25.0
(DEL) Alkane: S...	15.322	67.6	ug/L	7368380	3	13.560	2723420	25.0
unknown-06	15.633	7.6	ug/L	827186	3	13.560	2723420	25.0
(DEL) Alkane: S...	15.724	20.4	ug/L	2221980	3	13.560	2723420	25.0
(DEL) Alkane: S...	16.279	41.9	ug/L	4563970	3	13.560	2723420	25.0

Instrument :
MSVOA_W
ClientSampleId :
BG587RE