LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7C1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC: VW019898.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.915	475	494	536	rBV	676995	3291019	2.75%	0.150%
2	5.446	565	581	620	rBV	1960319	7787717	6.52%	0.354%
3	6.726	775	791	806	rBV	617039	2535921	2.12%	0.115%
4	6.885	806	817	844	rVV	1682042	6649329	5.56%	0.302%
5	8.043	997	1007	1020	rVV	8288244	23967280	20.06%	1.090%
6	8.165	1020	1027	1031	rVV	1166455	2888264	2.42%	0.131%
7	8.232	1031	1038	1060	rVB2	3733830	12383470	10.36%	0.563%
8	8.439	1060	1072	1079	rBV2	13947256	37139442	31.08%	1.689%
9	8.512	1079	1084	1091	rVV	11836369	28462009	23.82%	1.295%
10	8.579	1091	1095	1114	rVB	6410287	15434944	12.92%	0.702%
11	9.153	1181	1189	1202	rVB	860532	2206104	1.85%	0.100%
12	9.311	1202	1215	1224	rBV4	16969404	51890725	43.42%	2.360%
13	9.390	1224	1228	1238	rVB	5495867	11927803	9.98%	0.543%
14	9.616	1255	1265	1279	rVB	23042242	52398178	43.85%	2.383%
15	9.762	1279	1289	1301	rBV	30364566	65053446	54.44%	2.959%
16	9.909	1301	1313	1316	rBV	5729696	12192804	10.20%	0.555%
17	9.951	1316	1320	1335	rVB2	4695356	11284179	9.44%	0.513%
18	10.085	1335	1342	1347	rBV	8955146	19751787	16.53%	0.898%
19	10.134	1347	1350	1358	rVB	4681638	8504031	7.12%	0.387%
20	10.244	1358	1368	1375	rBV4	4300948	13105371	10.97%	0.596%
21	10.329	1375	1382	1396	rBV	46877859	119501290	100.00%	5.436%
22	10.451	1396	1402	1405	rBV	9667551	17140788	14.34%	0.780%
23	10.506	1405	1411	1421	rVB4	22078678	62793073	52.55%	2.856%
24	10.628	1421	1431	1434	rBV2	9471396	20200033	16.90%	0.919%
25	10.671	1434	1438	1446	rVB	33281077	63307314	52.98%	2.880%
26	10.768	1446	1454	1460	rBV2	17791583	42384049	35.47%	1.928%
27	10.853	1464	1468	1473	rVB	7268844	12355391	10.34%	0.562%
28	10.945	1473	1483	1489	rBV	23485958	42958702	35.95%	1.954%
29	11.042	1489	1499	1506	rBV2	9904815	28478463	23.83%	1.295%
30	11.116	1506	1511	1514	rBV2	7723212	12996283	10.88%	0.591%
31	11.152	1514	1517	1519	rVV2	8834936	14243785	11.92%	0.648%
32	11.183	1519	1522	1526	rVV	20315136	34679981	29.02%	1.577%
33	11.238	1526	1531	1537	rVV2	44020421	90069534	75.37%	4.097%
34	11.292	1537	1540	1543	rVV2	5933976	8771954	7.34%	0.399%
35	11.341	1543	1548	1553	rVV2	24342962	42750072	35.77%	1.945%
36	11.390	1553	1556	1559	rVV2	3525709	6057867	5.07%	0.276%

LSC Area Percent Report

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Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7C1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

37	11.439	1560	1564	1572	rVB	18591557	34485921	28.86%	1.569%
38	11.512	1572	1576	1581	rBV2	7052865	11832616	9.90%	0.538%
39	11.561	1581	1584	1592	rVB5	3143907	6574281	5.50%	0.299%
40	11.670	1598	1602	1606	rBV2	2801617	4543562	3.80%	0.207%
41	11.731	1607	1612	1615	rBV	6617762	10912754	9.13%	0.496%
42	11.768	1615	1618	1621	rVV	7913418	12172934	10.19%	0.554%
43	11.811	1621	1625	1631	rVV3	13676118	27329212	22.87%	1.243%
44	11.878	1631	1636	1640	rVV	22487690	41540977	34.76%	1.890%
45	11.920	1640	1643	1648	rVB2	17622392	28713606	24.03%	1.306%
46	11.981	1648	1653	1659	rBV3	4903436	10755224	9.00%	0.489%
47	12.061	1659	1666	1672	rVB4	5694012	15899112	13.30%	0.723%
48	12.140	1672	1679	1686	rBV2	24649317	55433016	46.39%	2.521%
49	12.201	1686	1689	1691	rVV2	3359869	5138203	4.30%	0.234%
50	12.256	1691	1698	1703	rVB	24622575	43681779	36.55%	1.987%
51	12.347	1703	1713	1714	rBV4	29722897	56733756	47.48%	2.581%
52	12.371	1715	1717	1728	rVV3	37890025	90538268	75.76%	4.118%
53	12.457	1729	1731	1734	rVV2	5147352	8688776	7.27%	0.395%
54	12.512	1735	1740	1743	rVV3	15607356	34891625	29.20%	1.587%
55	12.542	1743	1745	1753	rVB	20961145	33734000	28.23%	1.534%
56	12.621	1753	1758	1761	rBV3	5266615	9561099	8.00%	0.435%
57	12.652	1761	1763	1767	rVB	4389275	4722689	3.95%	0.215%
58	12.701	1767	1771	1776	rBV2	7399636	11944107	9.99%	0.543%
59	12.786	1780	1785	1791	rVB2	22033890	39594714	33.13%	1.801%
60	12.859	1791	1797	1802	rBV3	8361463	19725701	16.51%	0.897%
61	12.938	1802	1810	1816	rBV3	20291973	56988001	47.69%	2.592%
62	12.993	1816	1819	1824	rVB2	10314056	15842330	13.26%	0.721%
63	13.079	1824	1833	1837	rBV2	8660474	18066681	15.12%	0.822%
64	13.127	1837	1841	1844	rBV2	5746148	9706169	8.12%	0.441%
65	13.170	1844	1848	1855	rVB2	29232740	46297952	38.74%	2.106%
66	13.268	1860	1864	1865	rBV2	2477181	3124111	2.61%	0.142%
67	13.292	1865	1868	1873	rVV	4755054	8236153	6.89%	0.375%
68	13.347	1873	1877	1880	rVV2	6691010	11383992	9.53%	0.518%
69	13.383	1880	1883	1886	rVV	6429444	8744886	7.32%	0.398%
70	13.451	1886	1894	1897	rVV5	19322038	40047794	33.51%	1.822%
71	13.487	1897	1900	1903	rVV2	11655637	15684000	13.12%	0.713%
72	13.524	1903	1906	1909	rVB	4774467	5545886	4.64%	0.252%
73	13.627	1920	1923	1929	rVB3	1966100	2894411	2.42%	0.132%
74	13.707	1929	1936	1947	rVB4	6834752	20705778	17.33%	0.942%
75	13.804	1948	1952	1954	rBV2	3318746	5273826	4.41%	0.240%
76	13.883	1959	1965	1969	rVV2	20011746	39437470	33.00%	1.794%

LSC Area Percent Report

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Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7C1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

77	13.920	1969	1971	1975	rVV2	8372776	12104097	10.13%	0.551%
78	13.981	1976	1981	1984	rVV3	6519824	13054708	10.92%	0.594%
79	14.030	1984	1989	1993	rVV2	7043622	17913836	14.99%	0.815%
80	14.097	1996	2000	2003	rVV	9930920	17675473	14.79%	0.804%
81	14.133	2003	2006	2011	rVB	6548557	9403148	7.87%	0.428%
82	14.200	2011	2017	2023	rBV3	5101609	11146744	9.33%	0.507%
83	14.267	2023	2028	2033	rBV5	4612358	8544010	7.15%	0.389%
84	14.353	2038	2042	2043	rVV3	4680640	6796614	5.69%	0.309%
85	14.389	2044	2048	2052	rVB4	14798421	22885972	19.15%	1.041%
86	14.499	2062	2066	2069	rBV3	4852427	6634899	5.55%	0.302%
87	14.548	2069	2074	2080	rBV4	6978067	13758421	11.51%	0.626%
88	14.603	2080	2083	2088	rBV4	1502986	2916460	2.44%	0.133%
89	14.700	2096	2099	2101	rBV3	1848625	2435800	2.04%	0.111%
90	14.737	2101	2105	2110	rVV4	3655595	6675438	5.59%	0.304%
91	14.792	2110	2114	2118	rVV3	8990079	16143263	13.51%	0.734%
92	14.841	2118	2122	2130	rVB2	16979044	31831247	26.64%	1.448%
93	15.060	2154	2158	2162	rVB3	6175407	10127892	8.48%	0.461%
94	15.109	2162	2166	2170	rBV2	2304990	4102199	3.43%	0.187%
95	15.176	2171	2177	2184	rVV4	5870763	14217213	11.90%	0.647%
96	15.322	2196	2201	2208	rVB2	11667433	19990516	16.73%	0.909%
97	15.414	2209	2216	2219	rBV4	1634998	4504083	3.77%	0.205%
98	15.731	2263	2268	2275	rBV4	2850050	5293654	4.43%	0.241%
99	16.163	2333	2339	2343	rBV4	1446013	3208843	2.69%	0.146%
100	16.279	2354	2358	2366	rVB2	1259995	2471722	2.07%	0.112%

Sum of corrected areas: 2198506026

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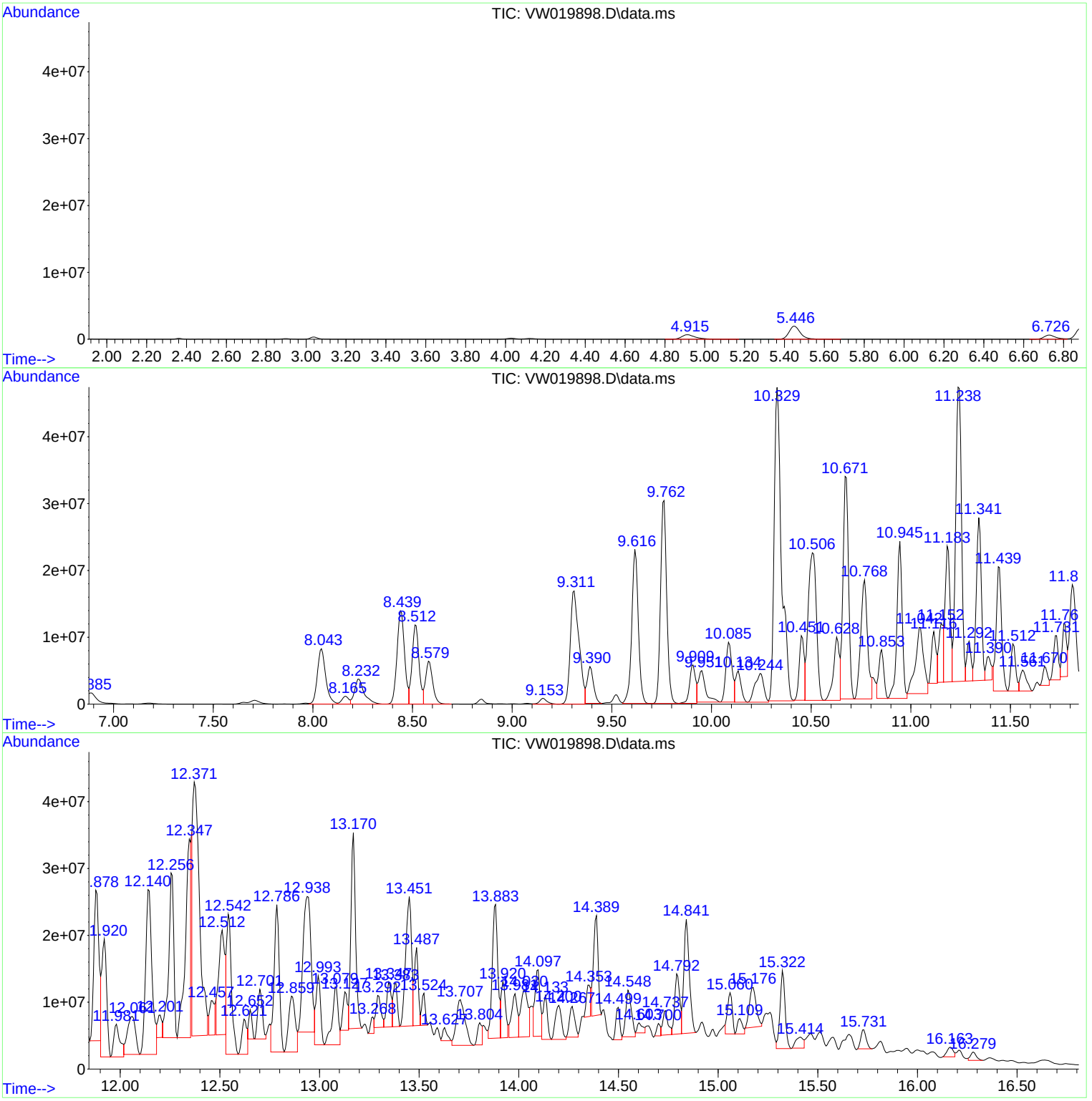
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7C1

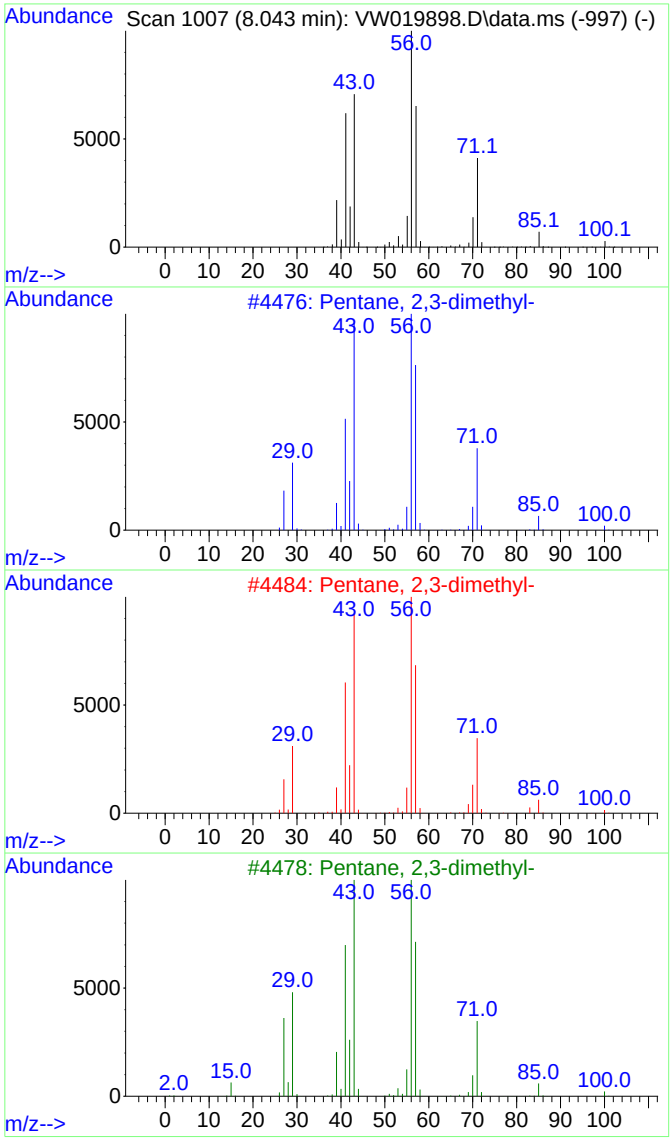
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

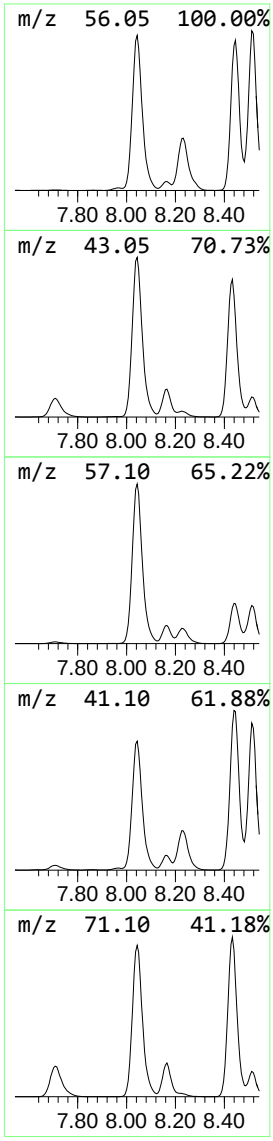
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.043	38.82 ug/L	23967300	1,4-Difluorobenzene	8.848

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	87
5	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

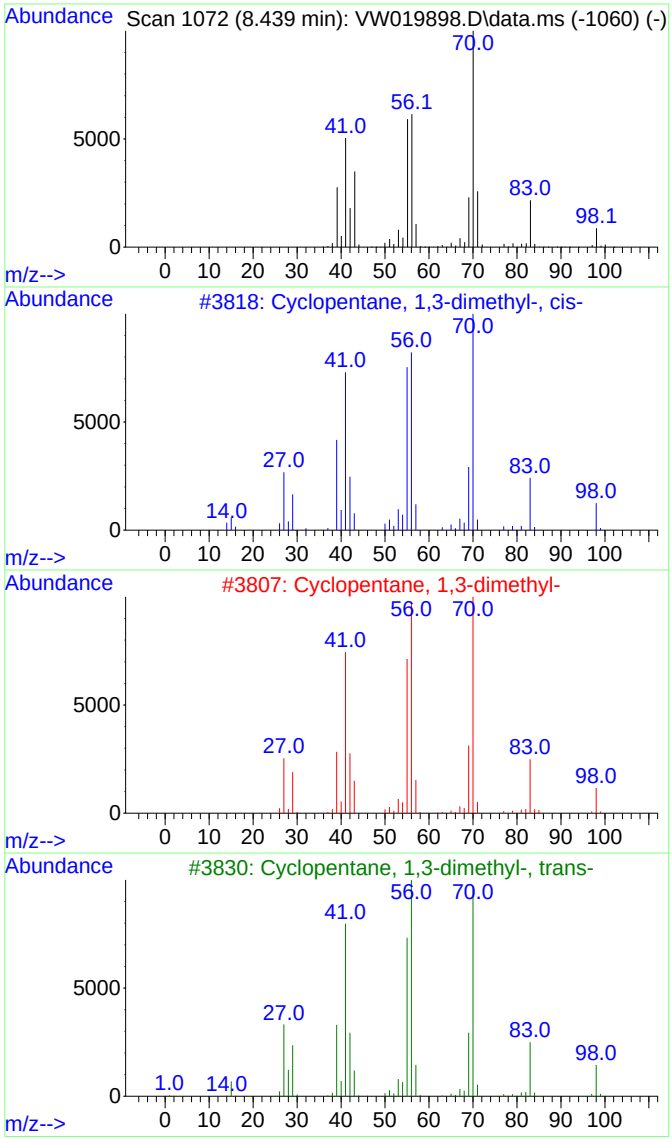
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

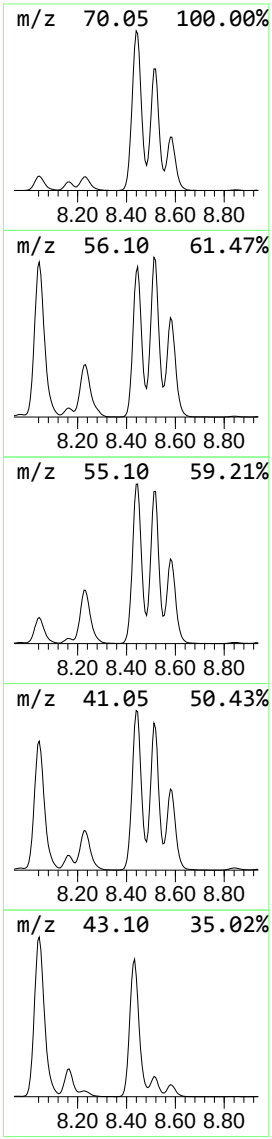
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Cyclic8.439 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.439	60.15 ug/L	37139400	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	92
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	70
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	70
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	60
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	60





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Operator : SY/VA
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Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

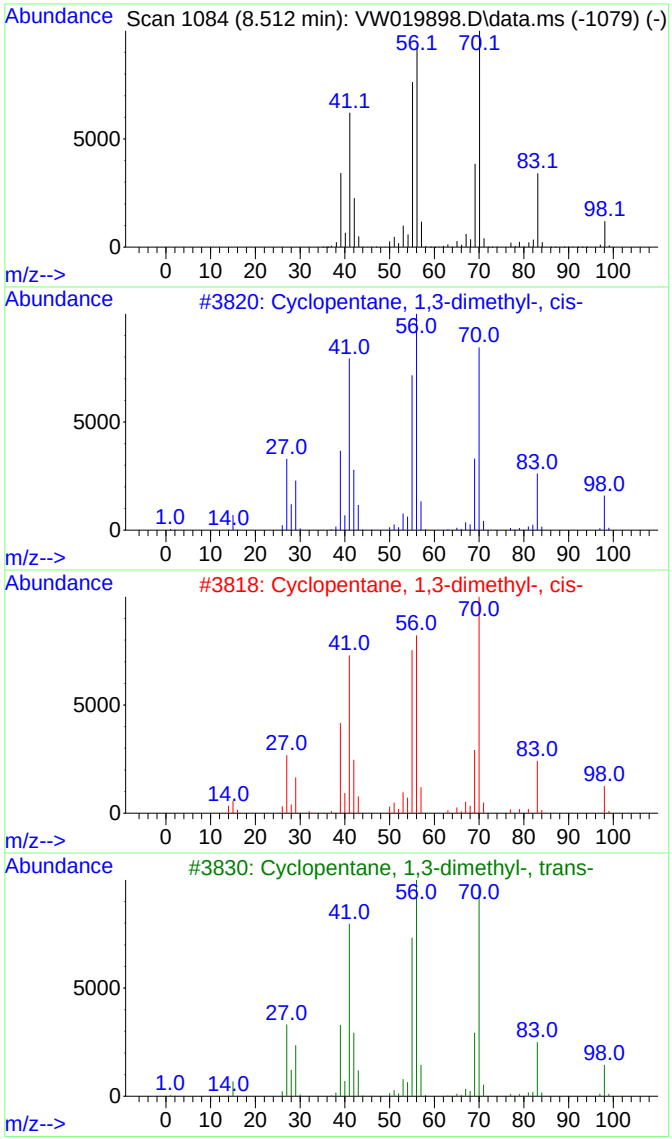
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

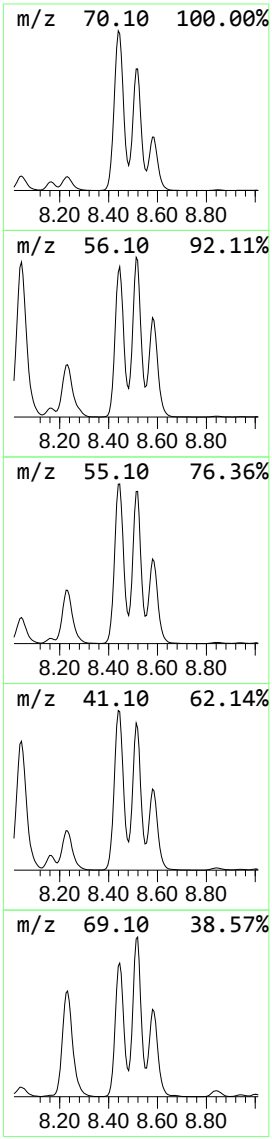
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Cyclic8.512 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.512	46.10 ug/L	28462000	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	95
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	94
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	94
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	93
5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

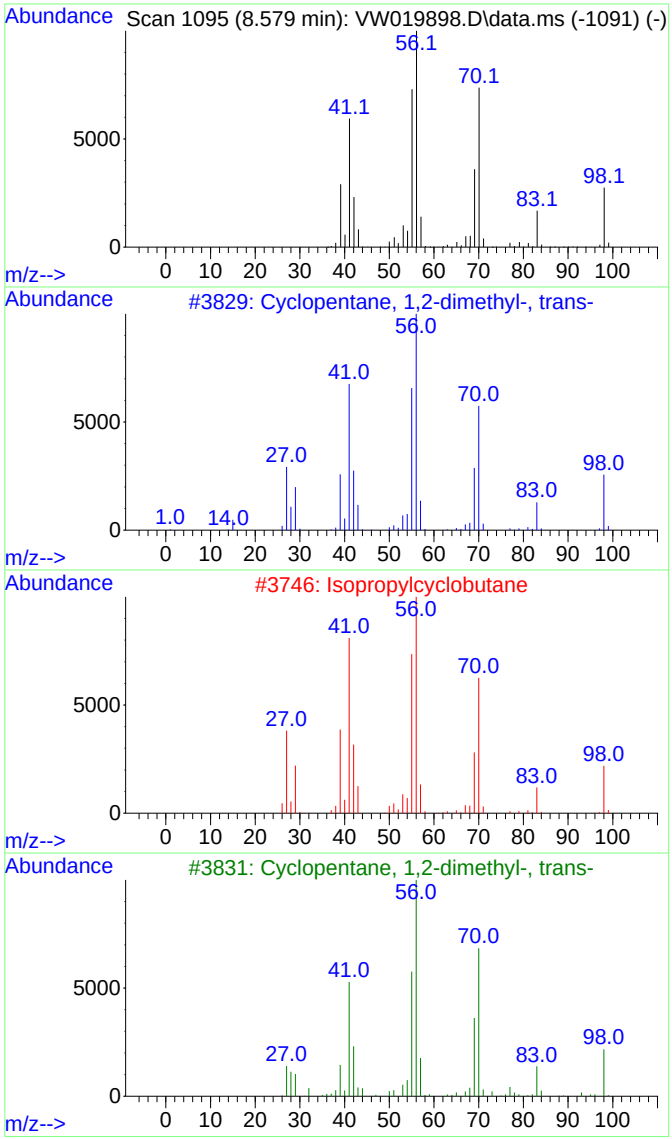
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

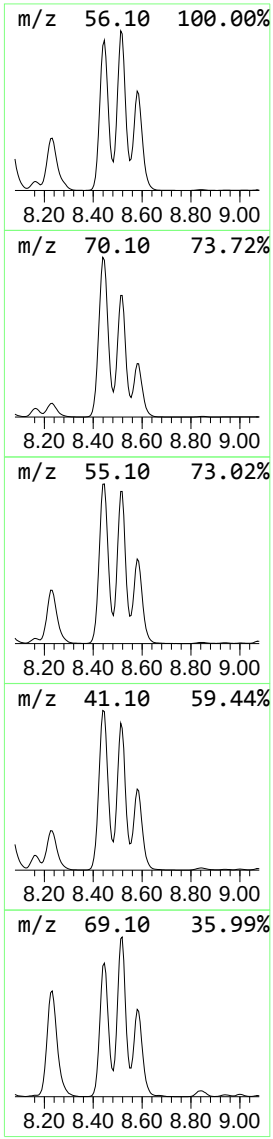
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Cyclic8.579 Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.579	25.00 ug/L	15434900	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	94
2	Isopropylcyclobutane	98	C7H14	000872-56-0	94
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	86
5	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

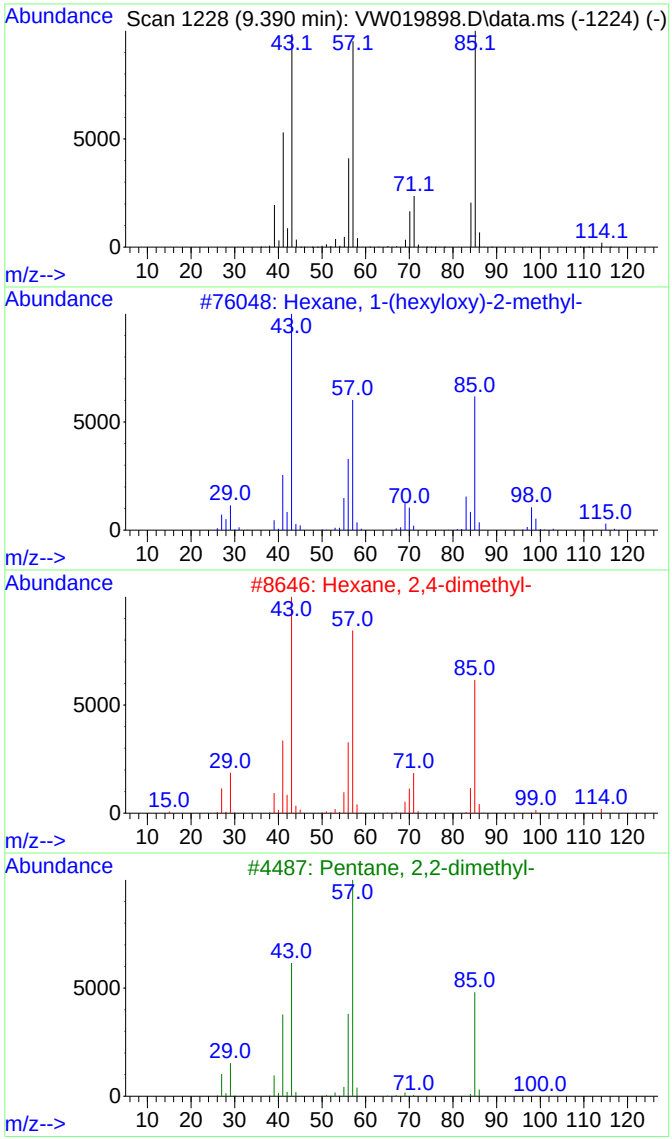
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

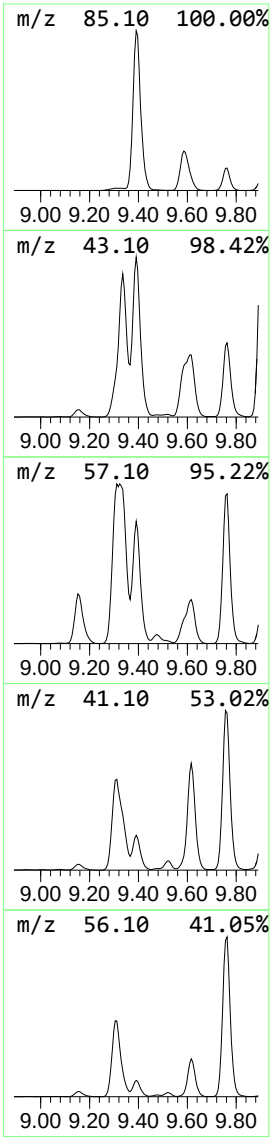
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Hexane, 1-(hexyloxy)-2-methyl- Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.390	19.32 ug/L	11927800	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	72
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	68
3	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	64
4	Octane	114	C8H18	000111-65-9	59
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

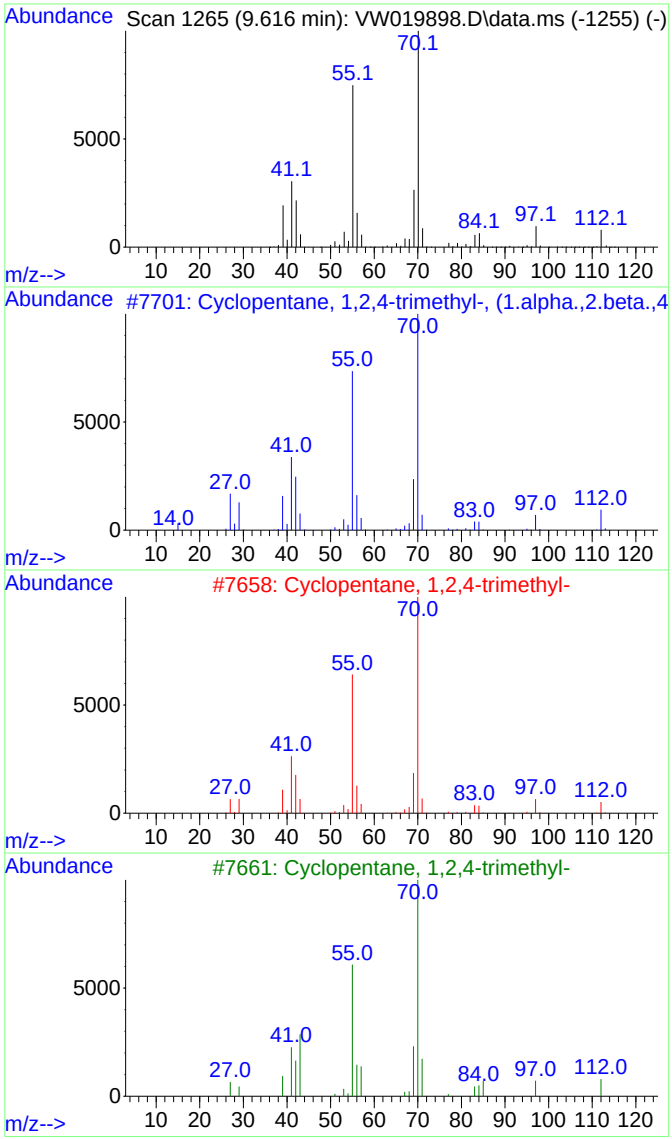
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

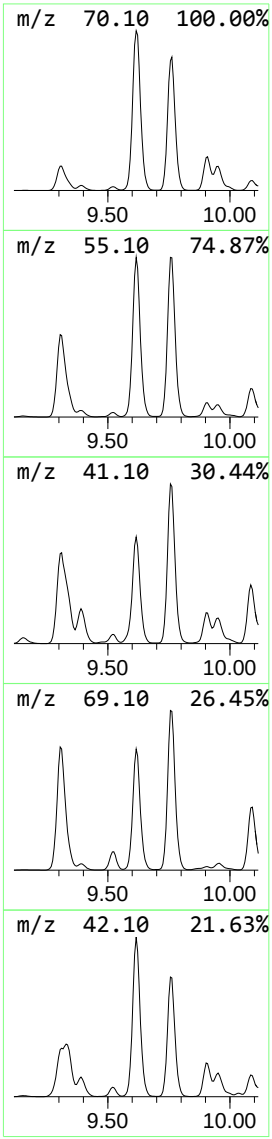
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic9.616 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.616	84.87 ug/L	52398200	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	94
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
4	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	90
5	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	90





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Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

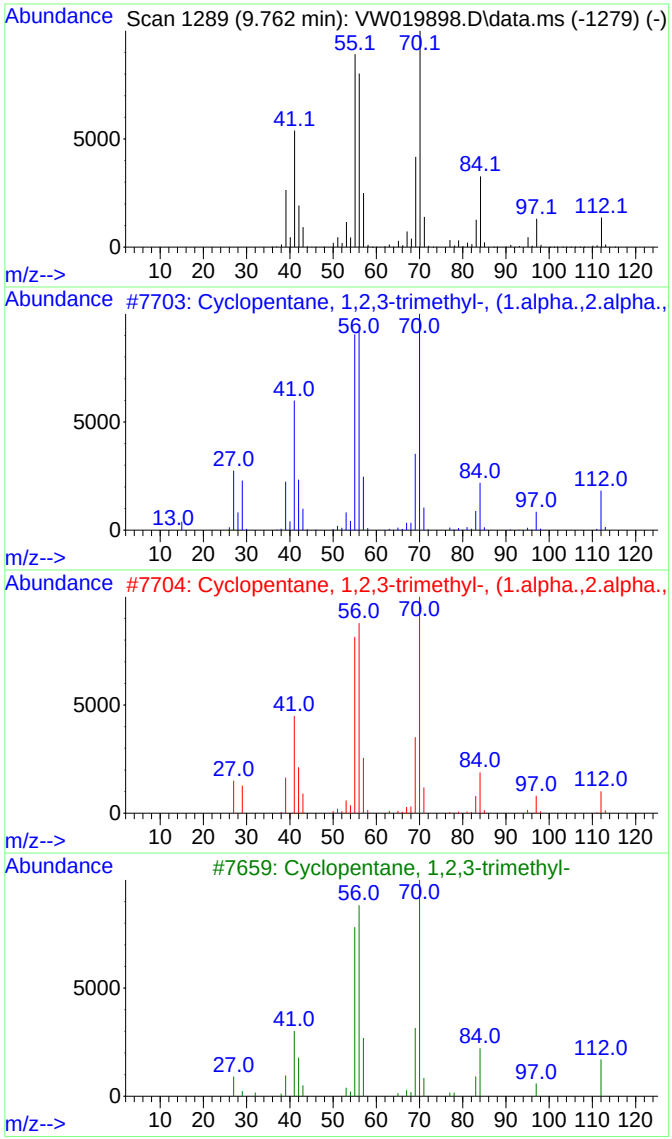
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

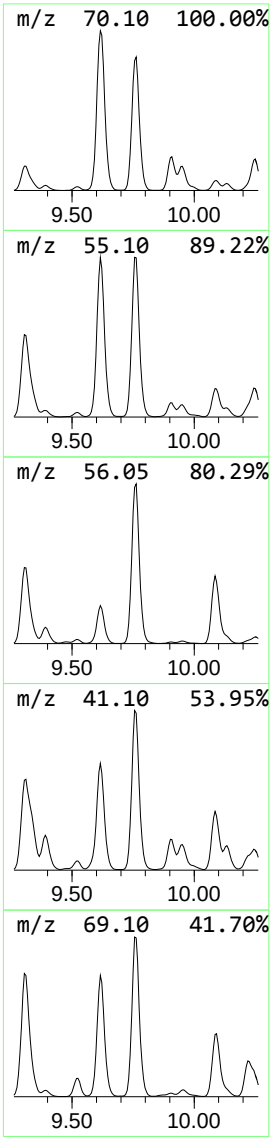
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic9.762 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.762	105.37 ug/L	65053400	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	95
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	91
3	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	86
4	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	83
5	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

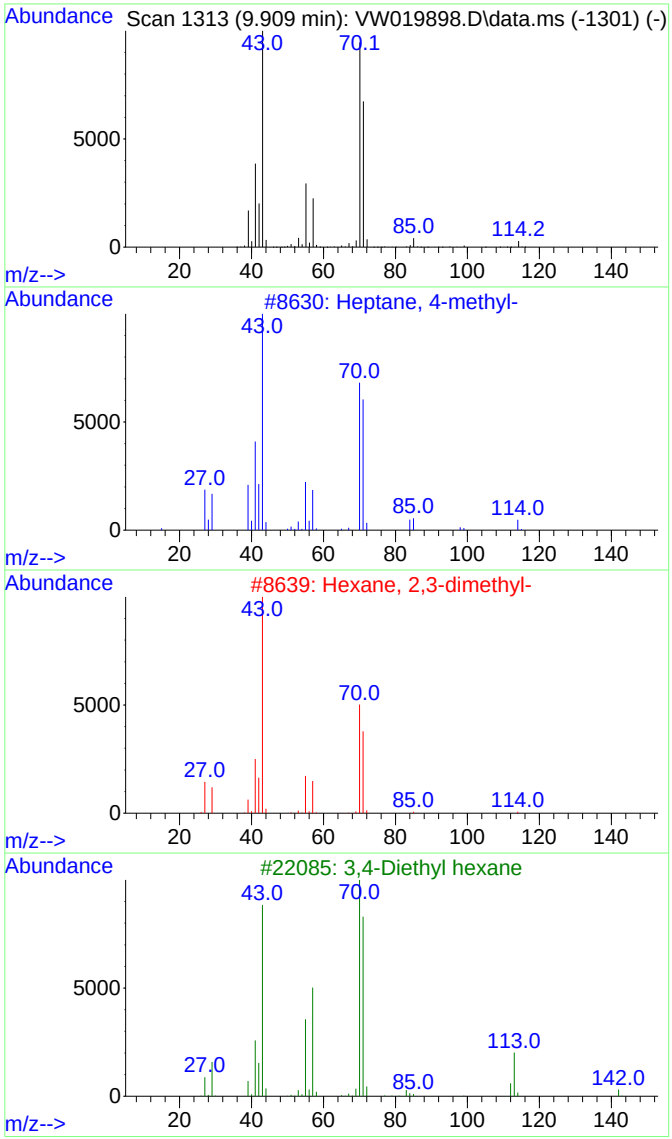
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

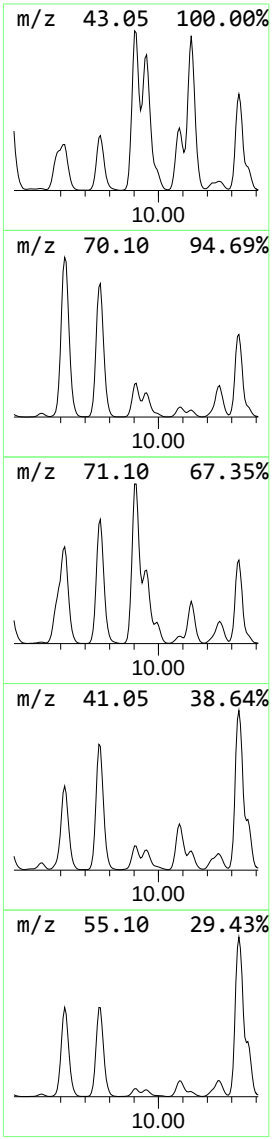
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.909	19.75 ug/L	12192800	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-methyl-	114	C8H18	000589-53-7	90
2	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	83
3	3,4-Diethyl hexane	142	C10H22	019398-77-7	78
4	Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	78
5	Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

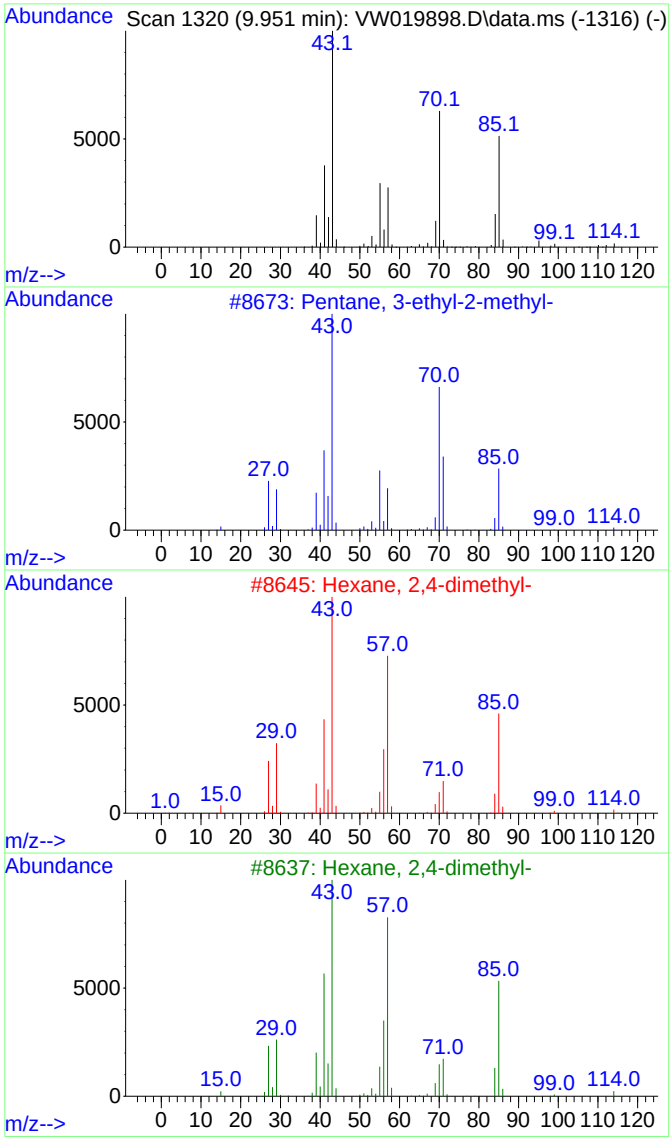
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

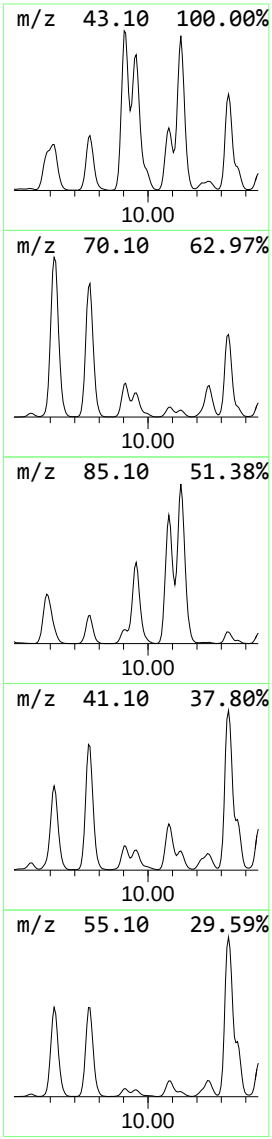
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.951	18.28 ug/L	11284200	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	64
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	58
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
4	Sulfurous acid, isohexyl hexyl e...	250	C12H26O3S	1000309-12-8	50
5	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

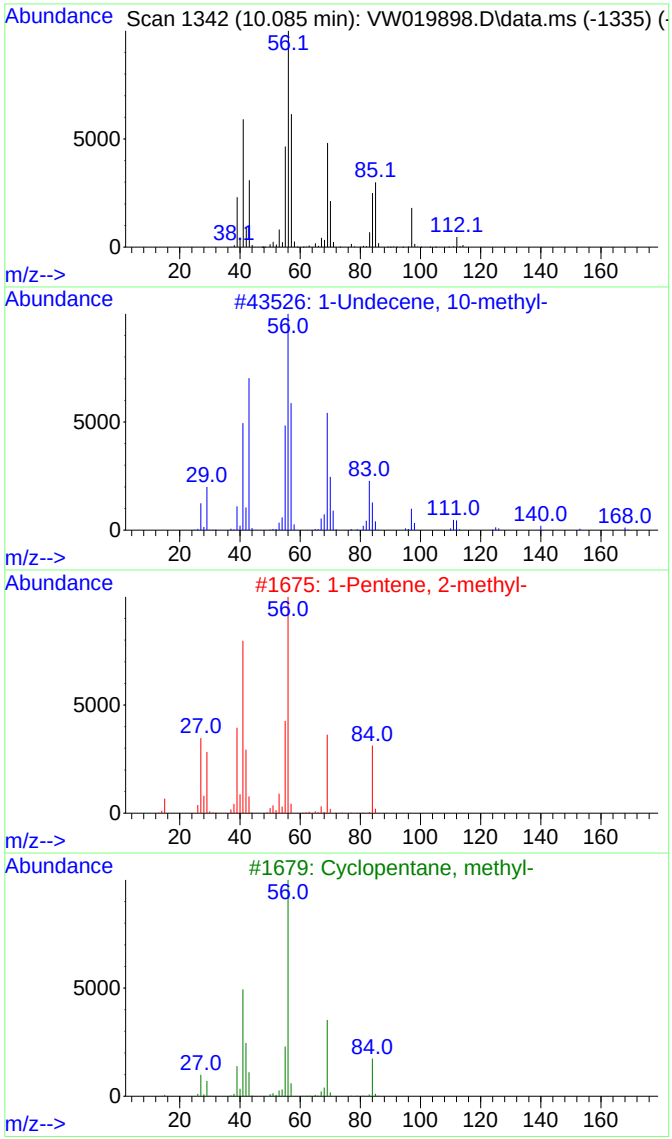
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

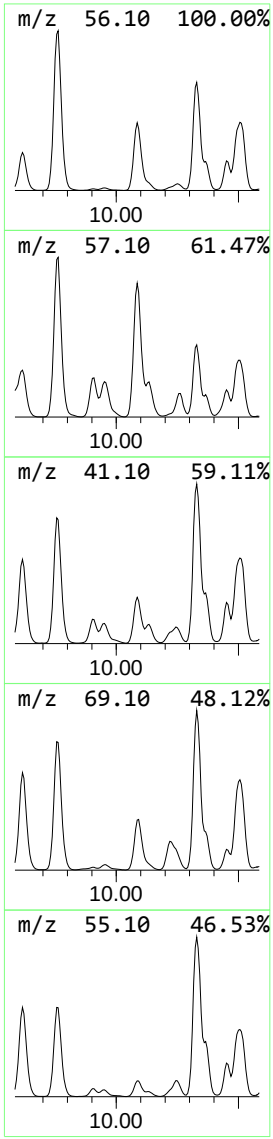
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.085	31.99 ug/L	19751800	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Undecene, 10-methyl-	168	C12H24	022370-55-4	64
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	50
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	50
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	47
5	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

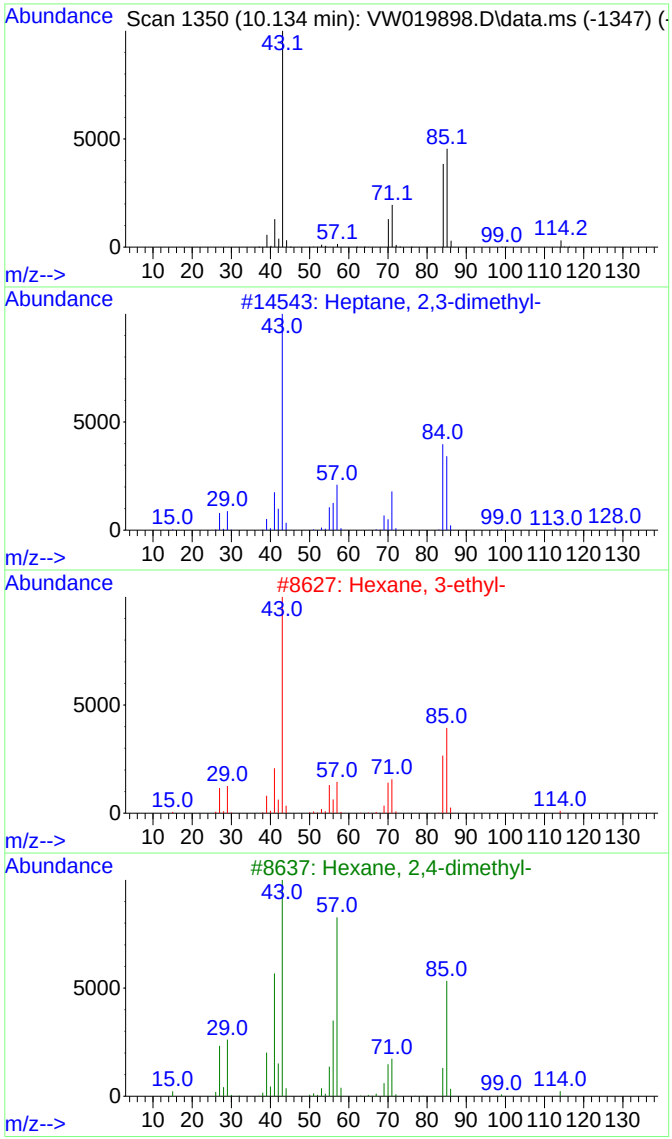
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

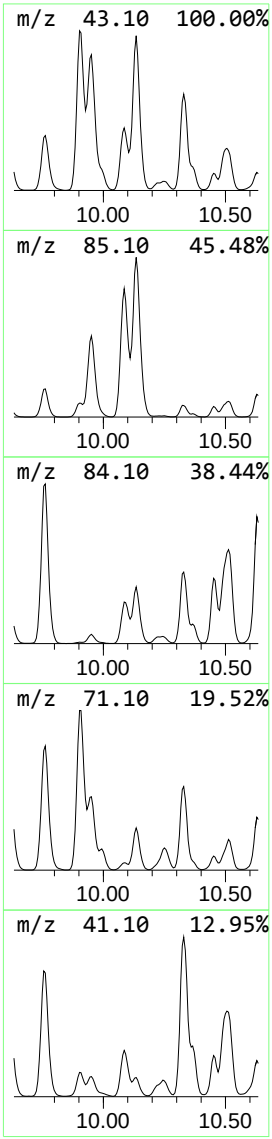
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 80

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.134	13.77 ug/L	8504030	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	56
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	56
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
4	Octane	114	C8H18	000111-65-9	43
5	Octane	114	C8H18	000111-65-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

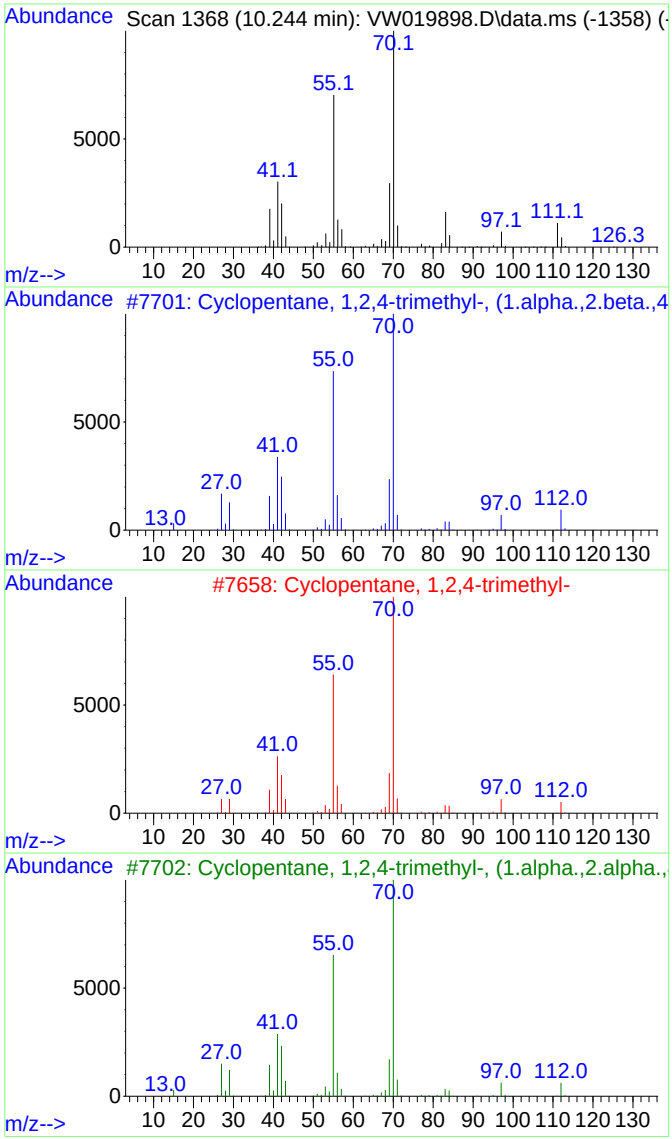
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

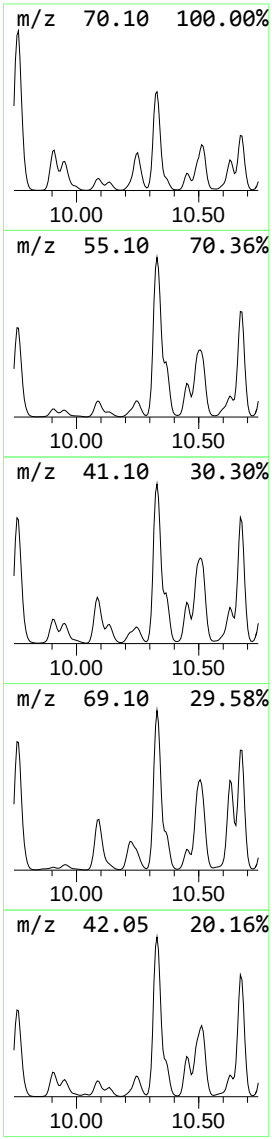
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Cyclic10.244 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.244	72.11 ug/L	13105400	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	90
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	87
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	80
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72
5	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

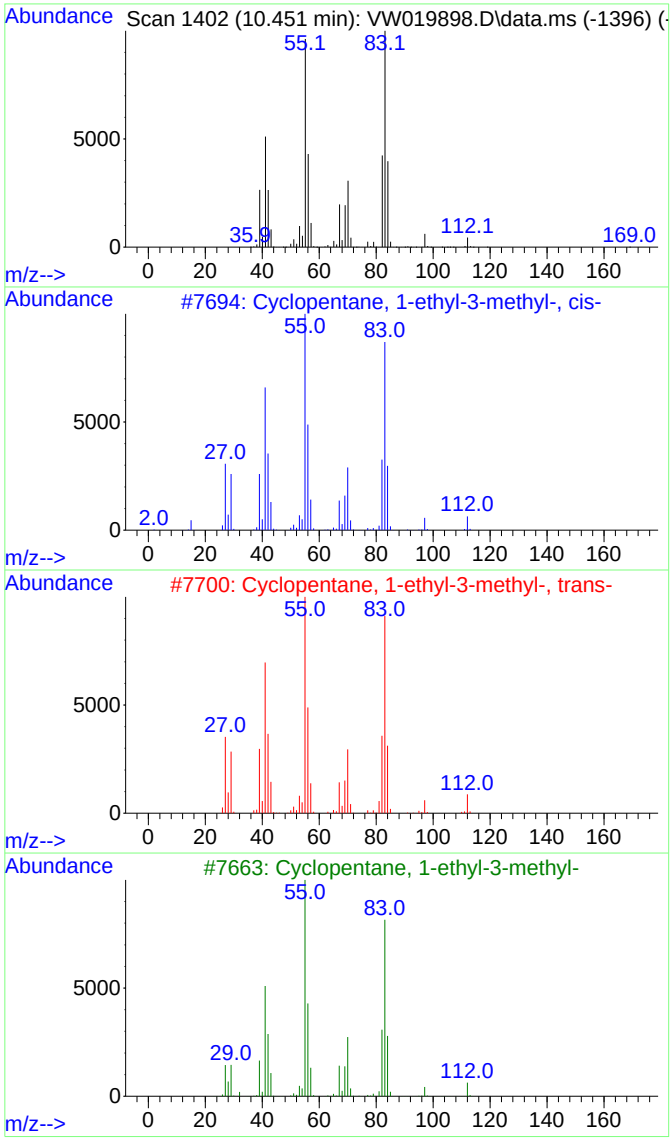
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

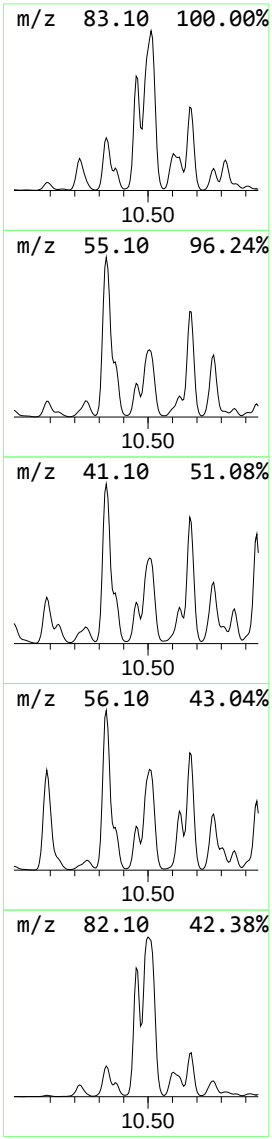
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Cyclic10.451 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.451	94.31 ug/L	17140800	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	96
2	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	95
3	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	72
4	Hexane, 3-methyl-4-methylene-	112	C8H16	003404-67-9	47
5	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7C1

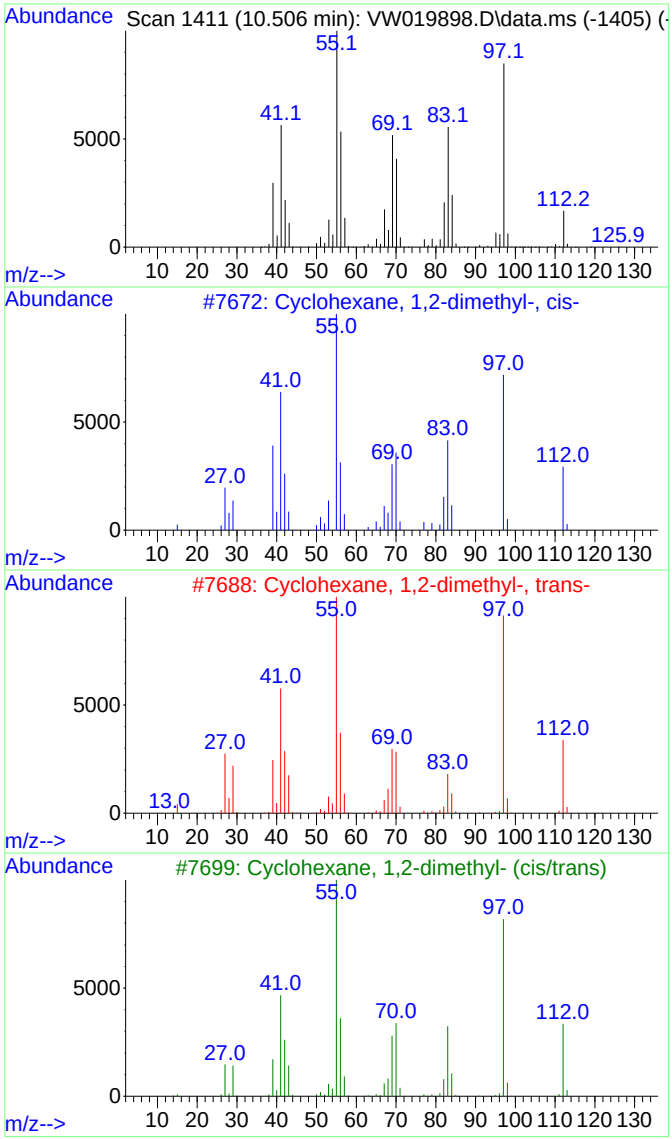
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

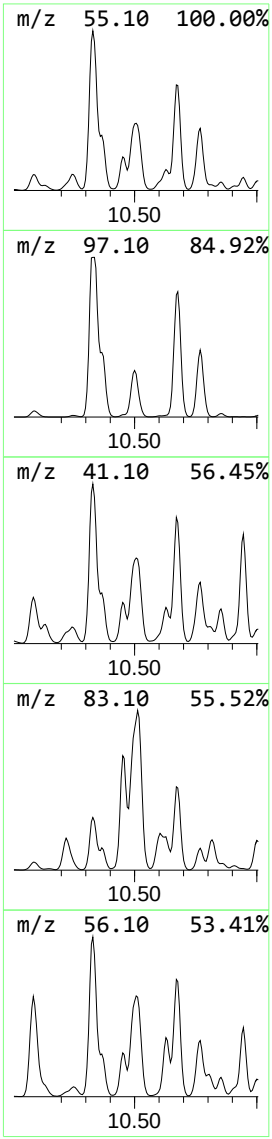
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Cyclic10.506 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.506	345.51 ug/L	62793100	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	83
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	81
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	72
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	72
5	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

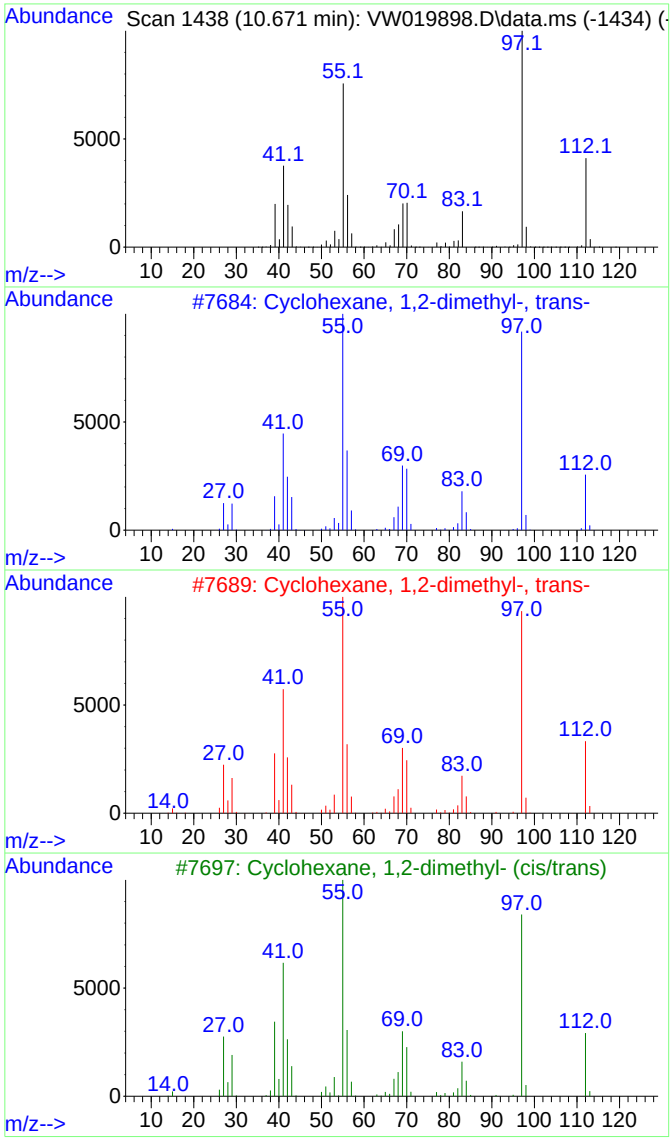
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

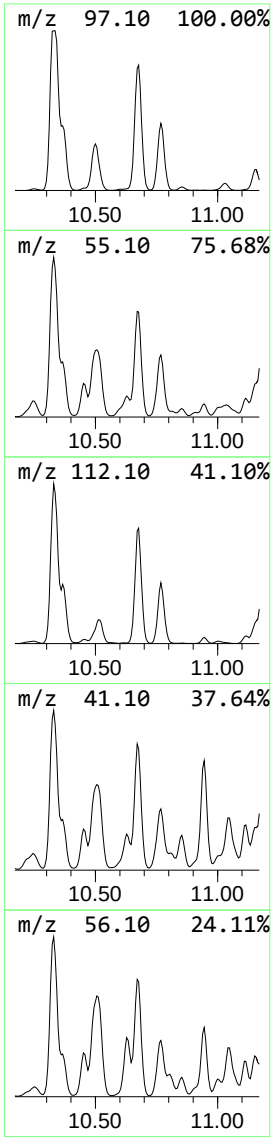
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Cyclic10.671 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.671	348.33 ug/L	63307300	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

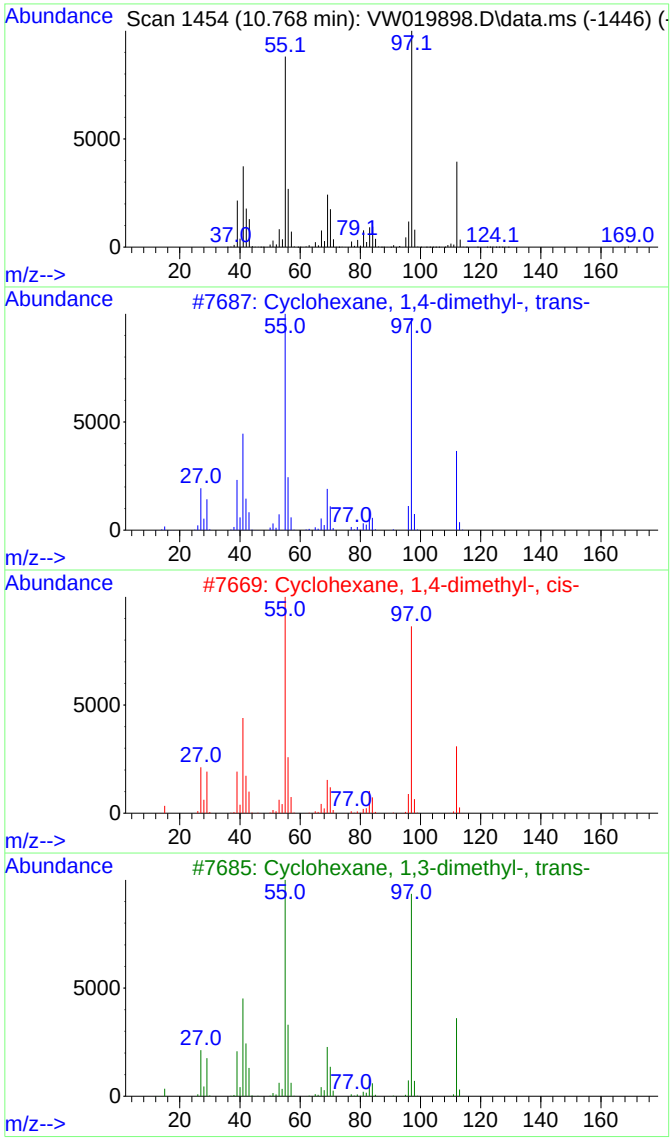
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

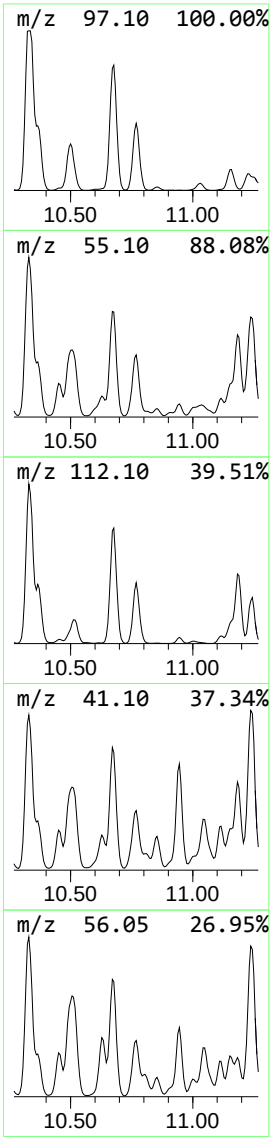
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic10.768 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.768	233.21 ug/L	42384000	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	97
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	94
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

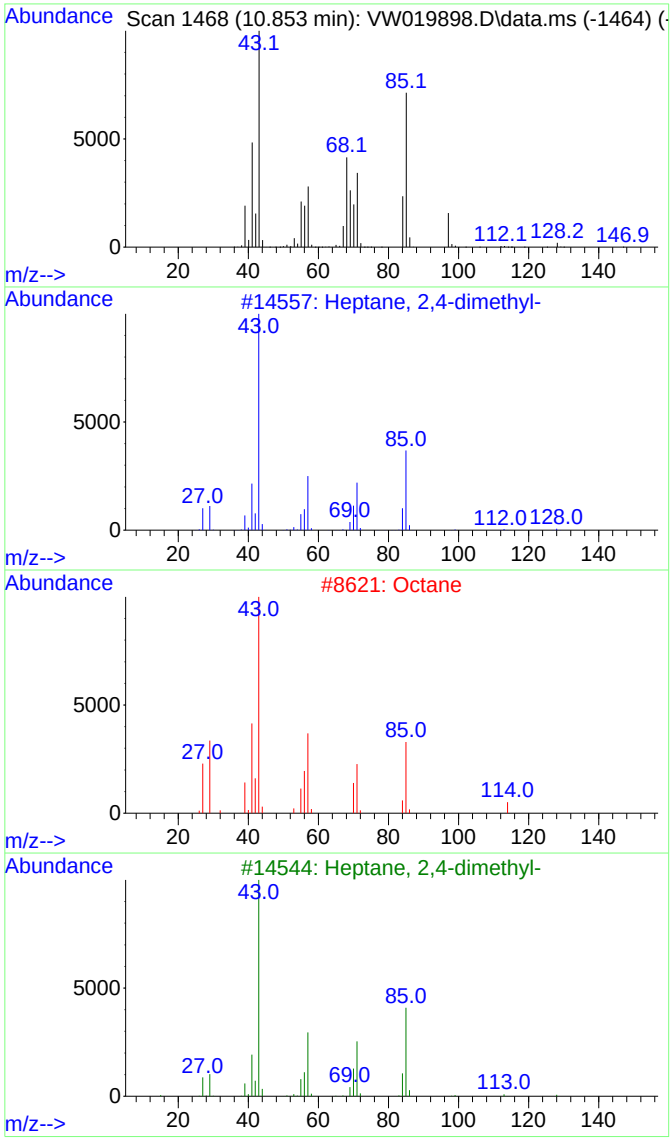
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

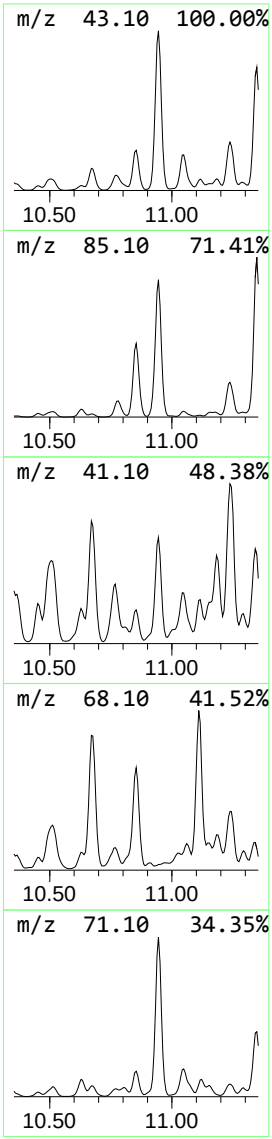
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.854	67.98 ug/L	12355400	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	49
2	Octane	114	C8H18	000111-65-9	47
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	47
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	46
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

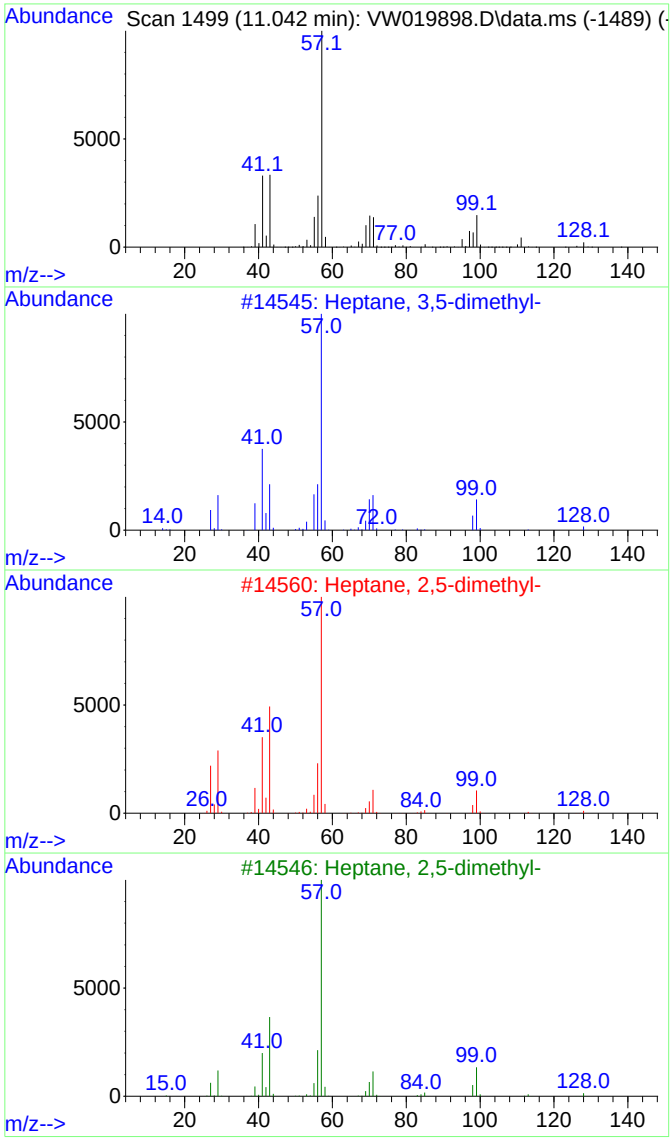
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

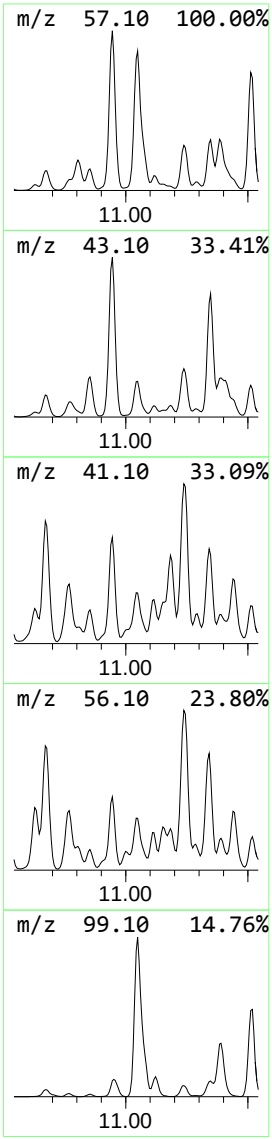
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.042	156.70 ug/L	28478500	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	81
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	62
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	62
4	1-Isobutoxy-2-ethylhexane	186	C12H26O	1000139-90-3	59
5	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7C1

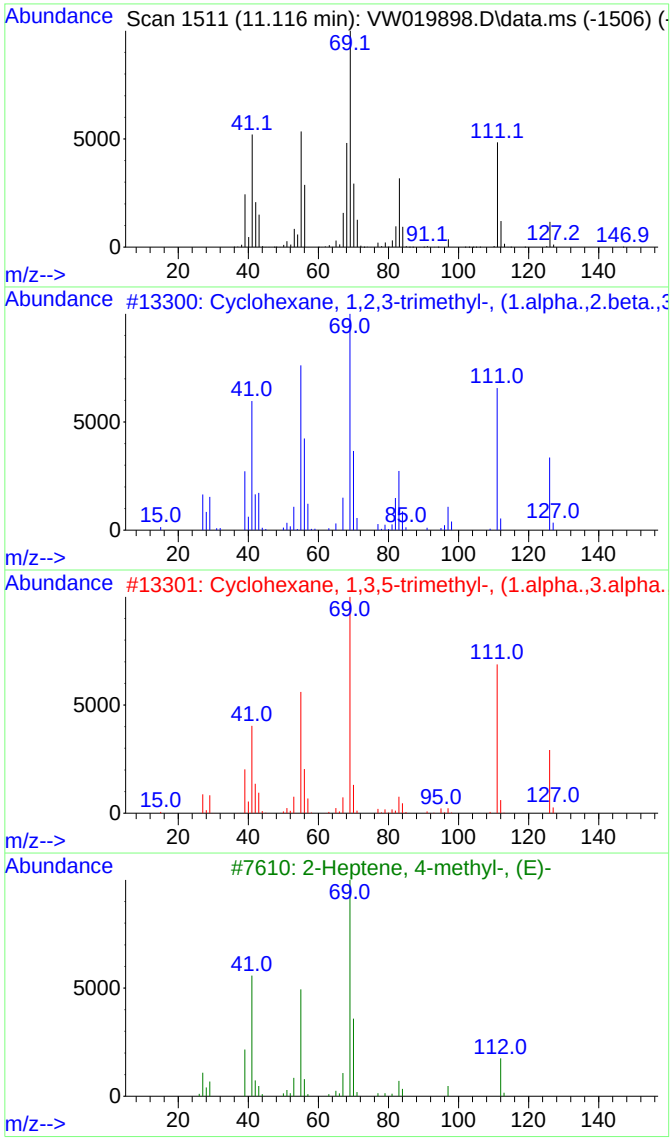
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

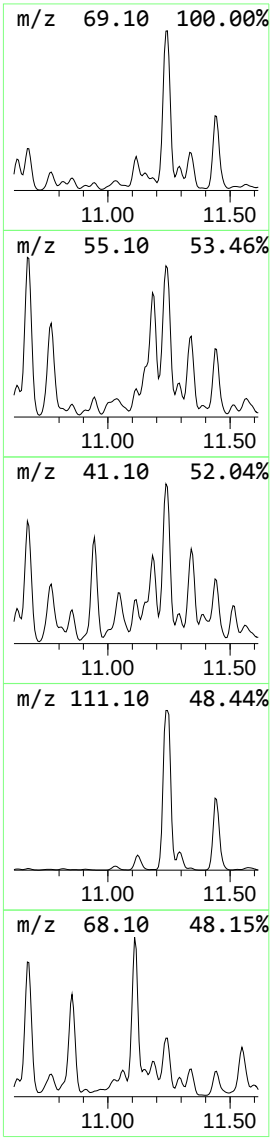
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Cyclic11.116 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.116	71.51 ug/L	12996300	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	58
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	52
3	2-Heptene, 4-methyl-, (E)-	112	C8H16	066225-17-0	41
4	2-Methyl-2-heptene	112	C8H16	000627-97-4	38
5	Cyclopentane, butyl-	126	C9H18	002040-95-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

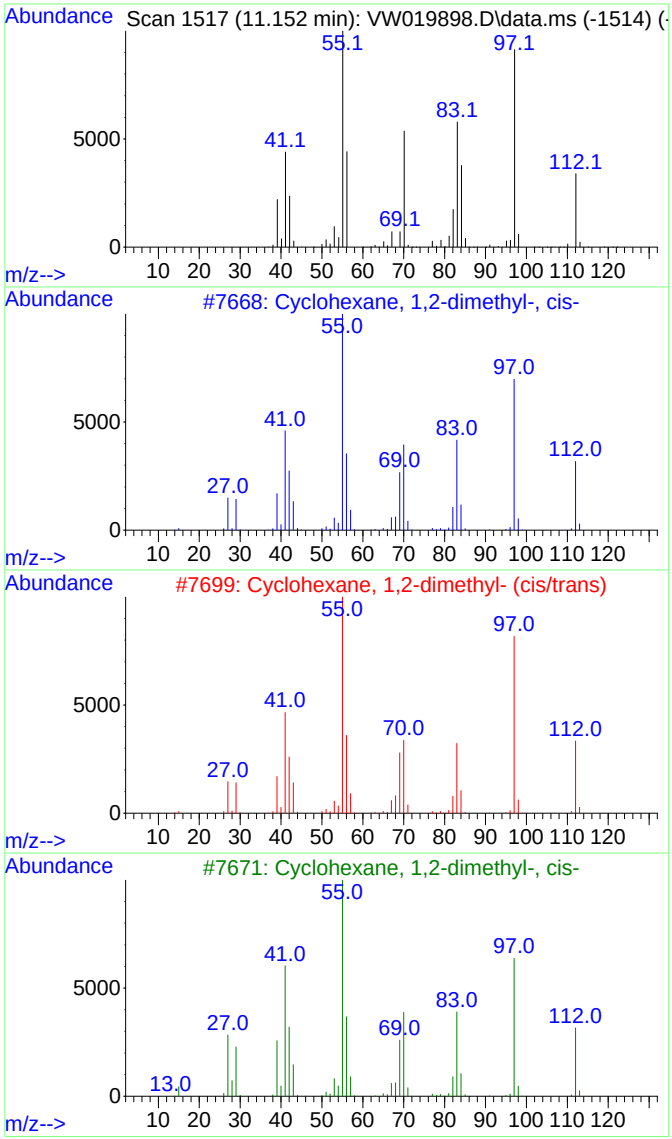
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

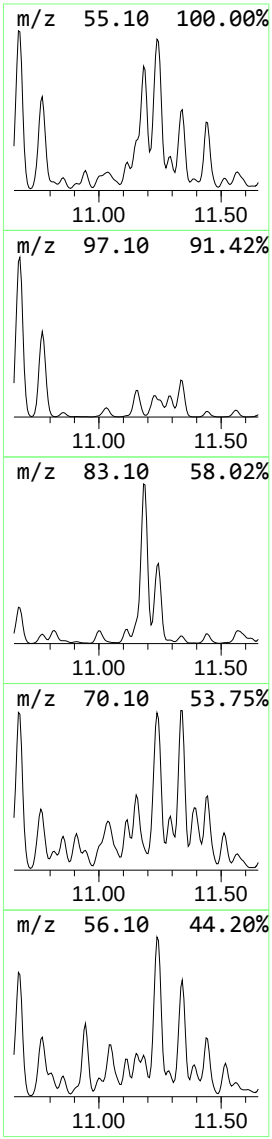
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic11.152 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.152	78.37 ug/L	14243800	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	87
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	72
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	72
4	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	72
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

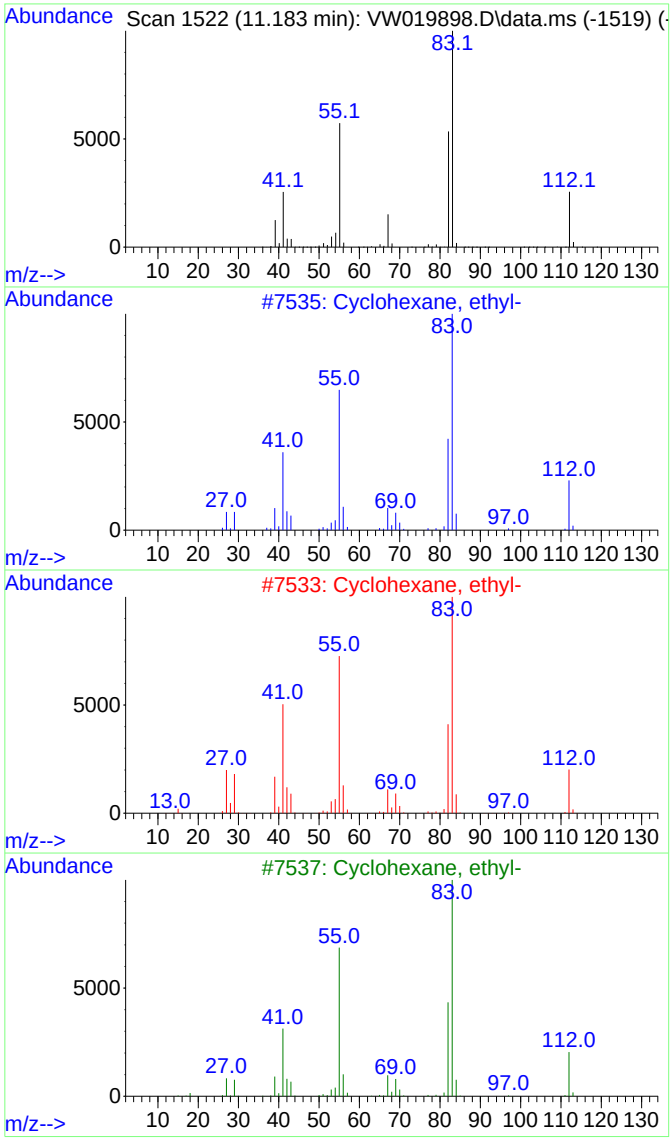
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

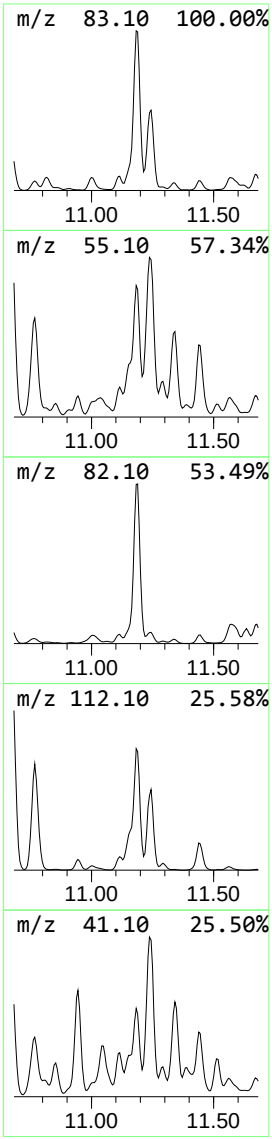
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Cyclic11.183 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.183	190.82 ug/L	34680000	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	83
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

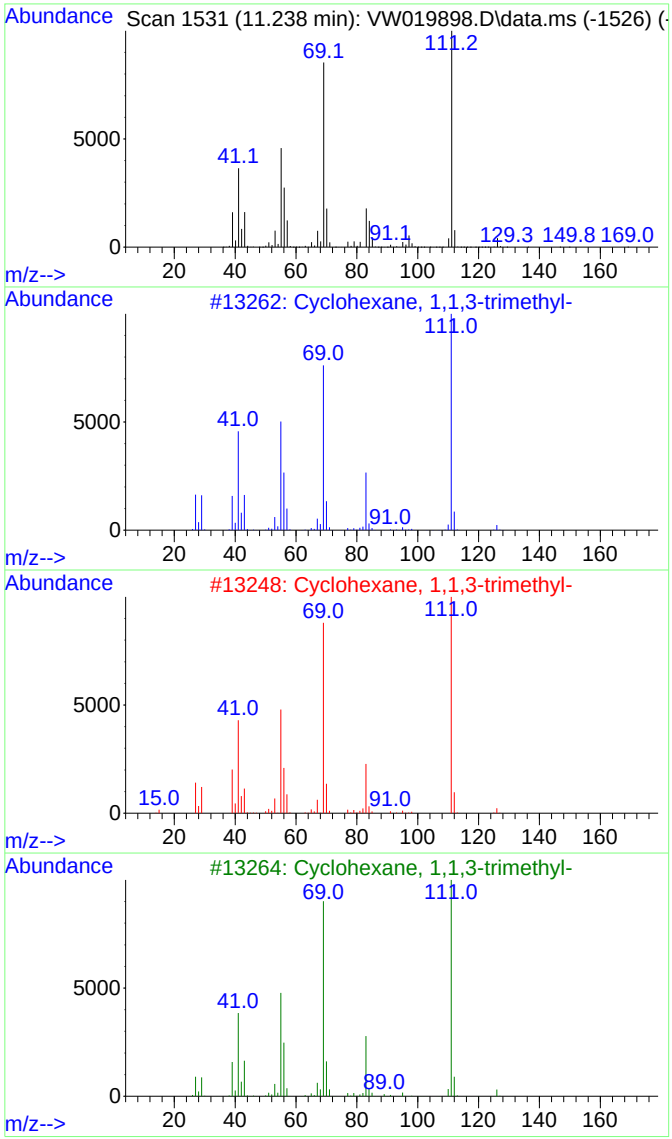
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

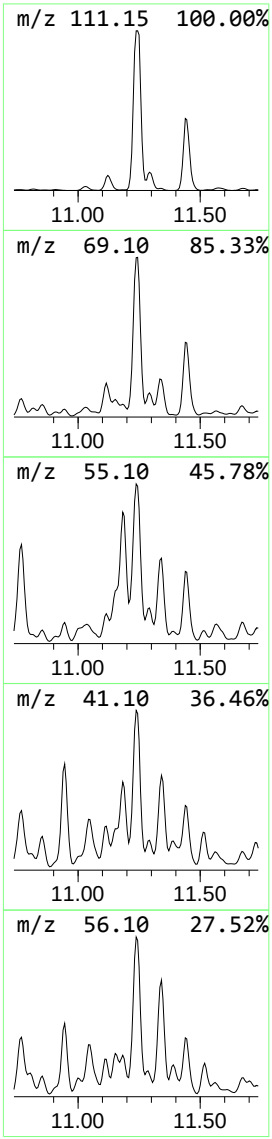
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Cyclic11.238 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.238	495.59 ug/L	90069500	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	81
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	80
4	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	72
5	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

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

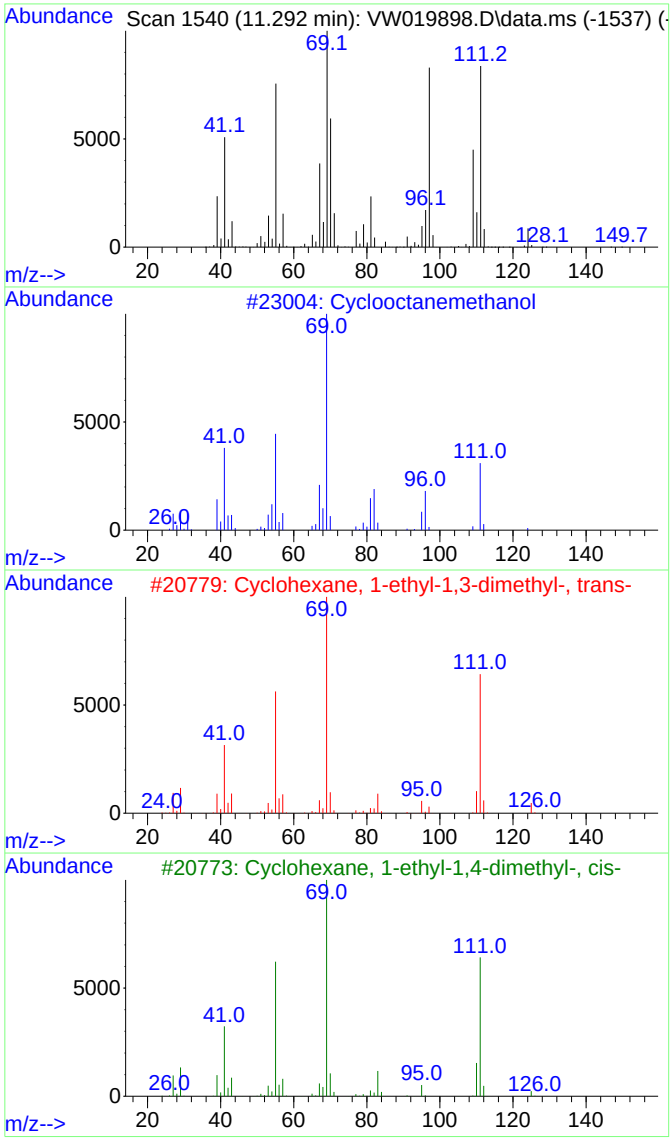
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

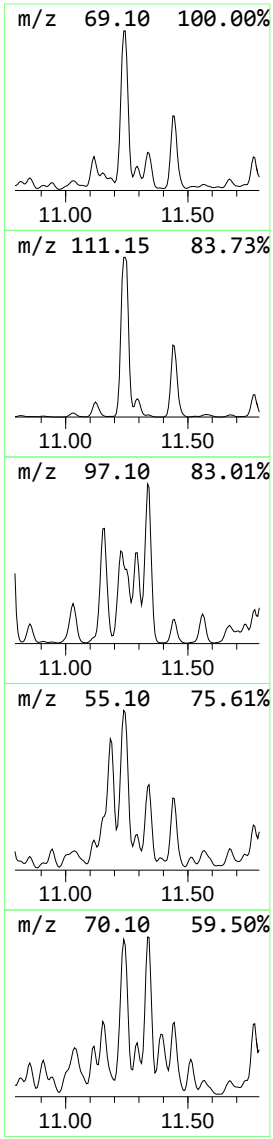
****

Peak Number 23 unknown-01 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.292	48.27 ug/L	8771950	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctanemethanol	142	C9H18O	003637-63-6	38
2	Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-29-3	38
3	Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-30-6	38
4	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	38
5	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

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

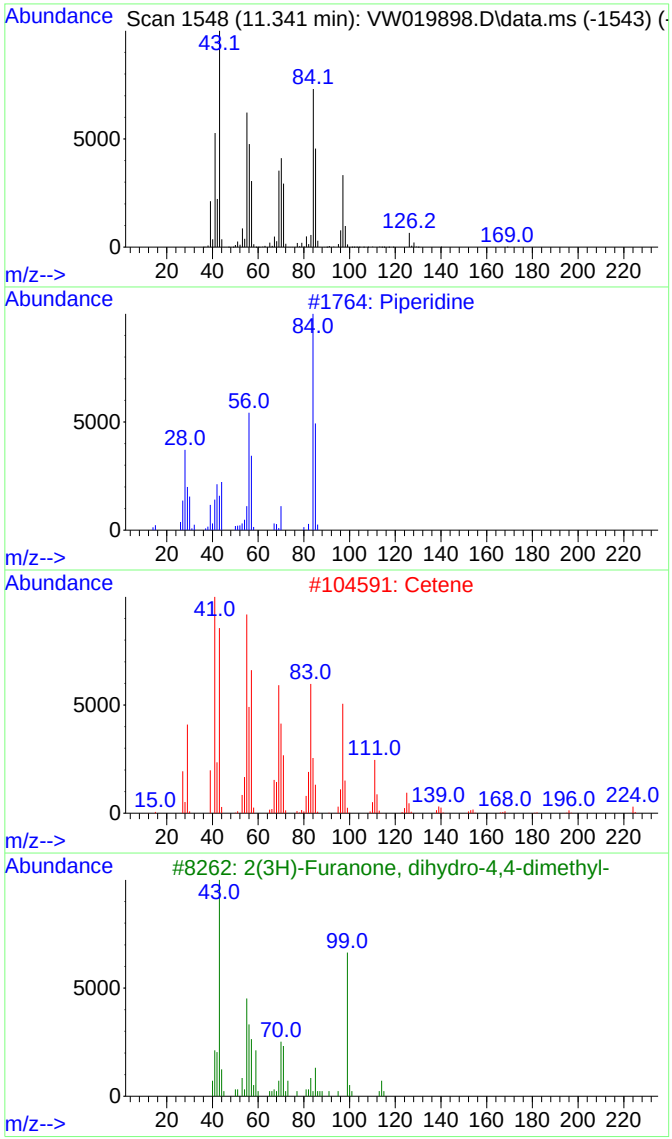
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

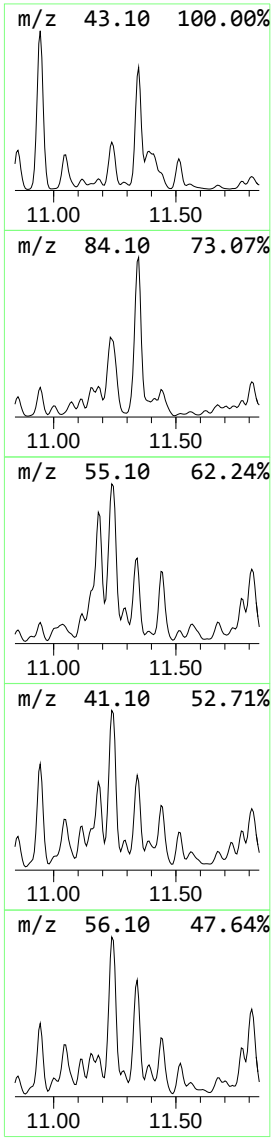
****

Peak Number 24 unknown-02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.341	235.22 ug/L	42750100	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Piperidine	85	C5H11N	000110-89-4	46
2	Cetene	224	C16H32	000629-73-2	43
3	2(3H)-Furanone, dihydro-4,4-dime...	114	C6H10O2	013861-97-7	43
4	1-Nonene	126	C9H18	000124-11-8	41
5	2-Oxepanone, 7-methyl-	128	C7H12O2	002549-59-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

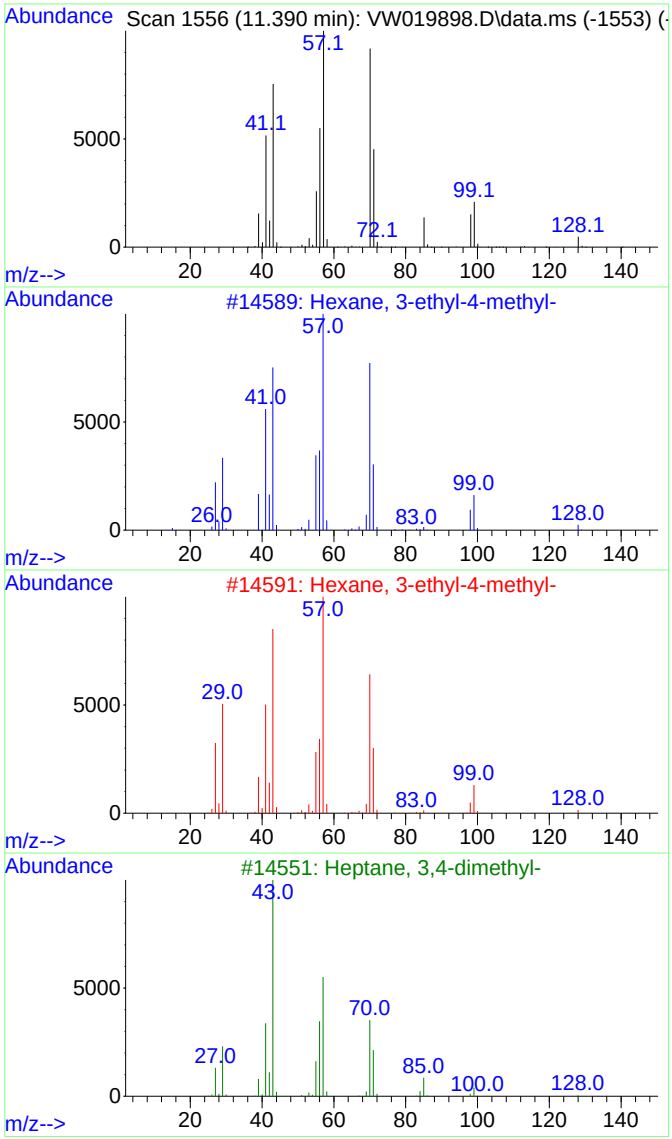
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

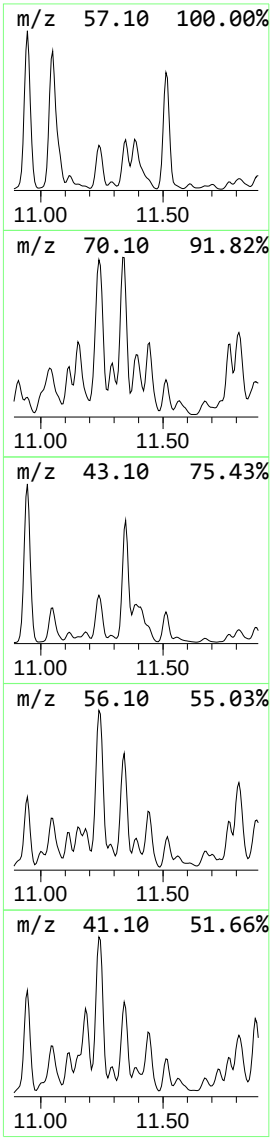
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.390	33.33 ug/L	6057870	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	86
2	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	64
3	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	53
4	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	53
5	Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7C1

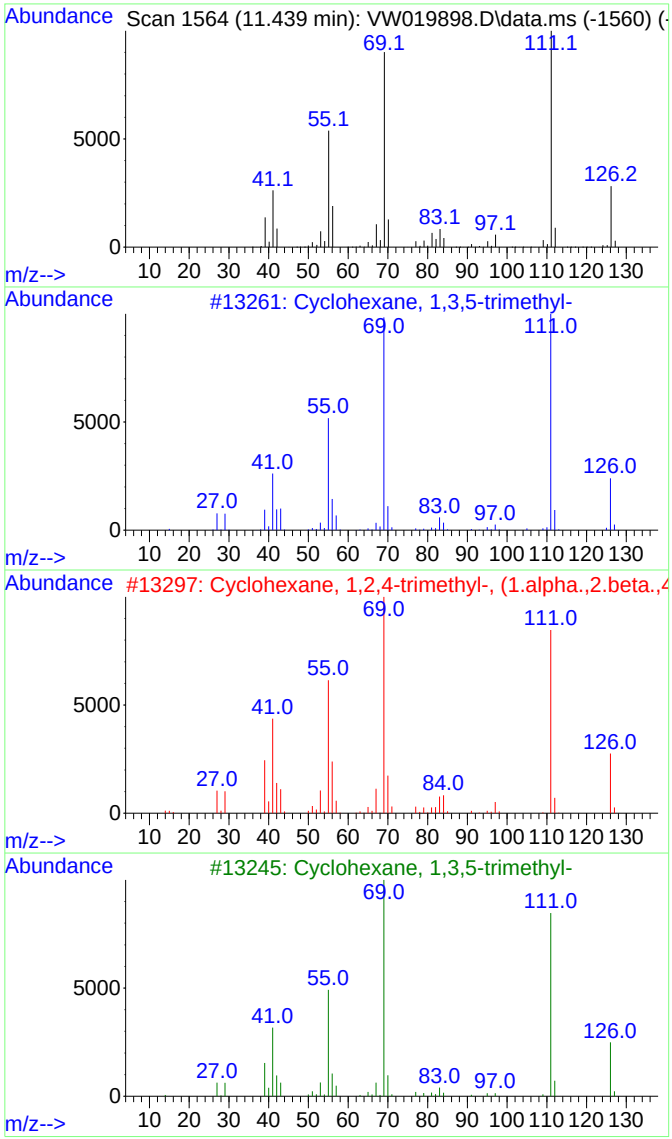
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

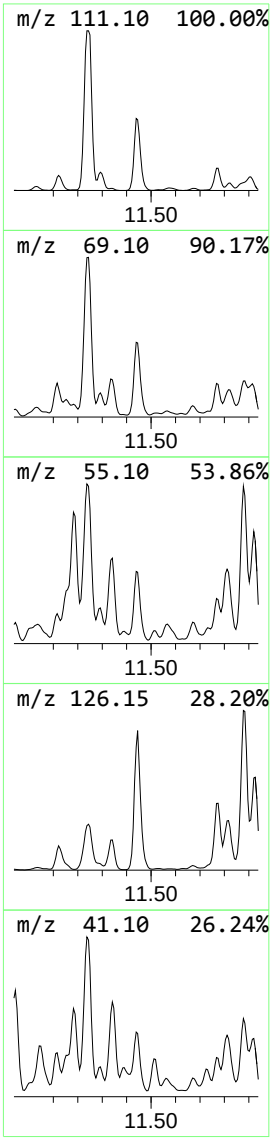
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Cyclic11.439 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.439	189.75 ug/L	34485900	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	94
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	91
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	91
5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

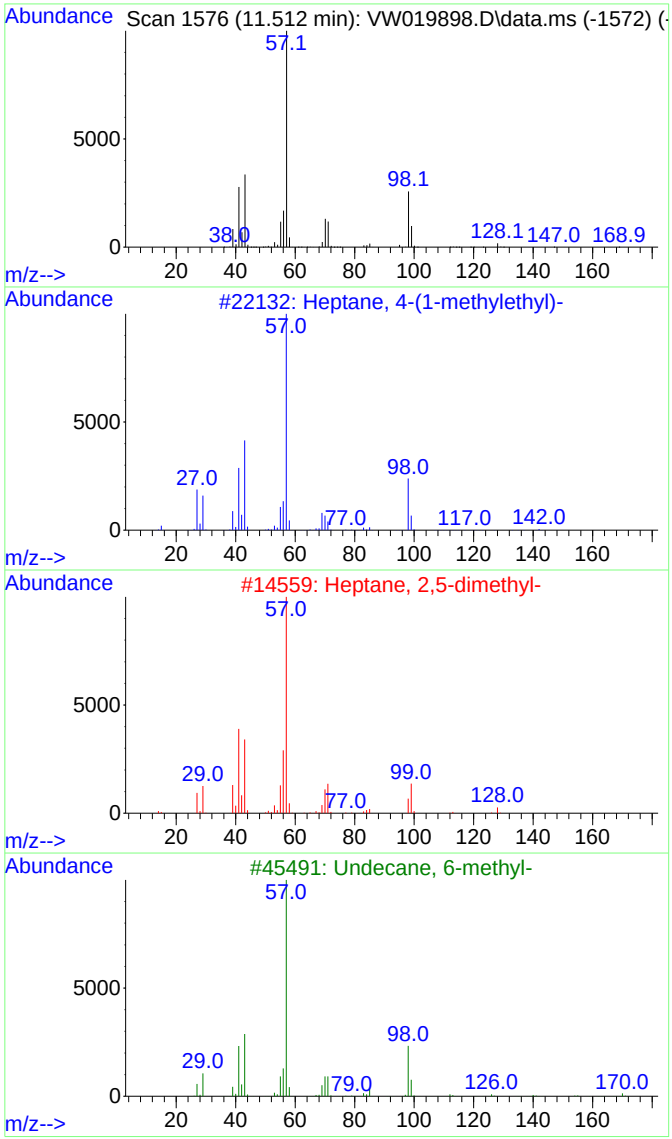
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

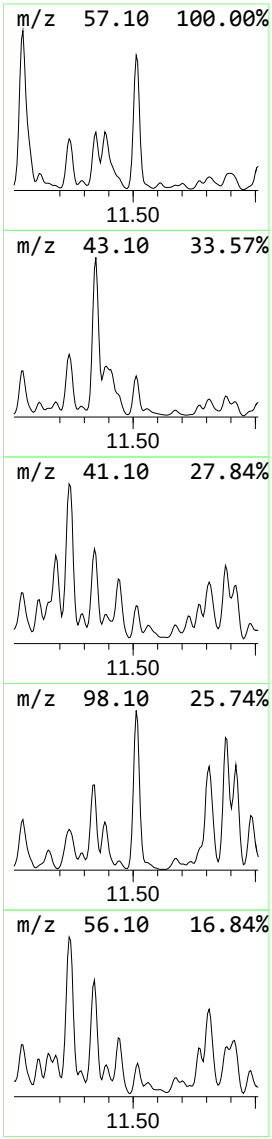
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	65.11 ug/L	11832600	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	78
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	70
3	Undecane, 6-methyl-	170	C12H26	017302-33-9	64
4	Heptane, 4-propyl-	142	C10H22	003178-29-8	64
5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

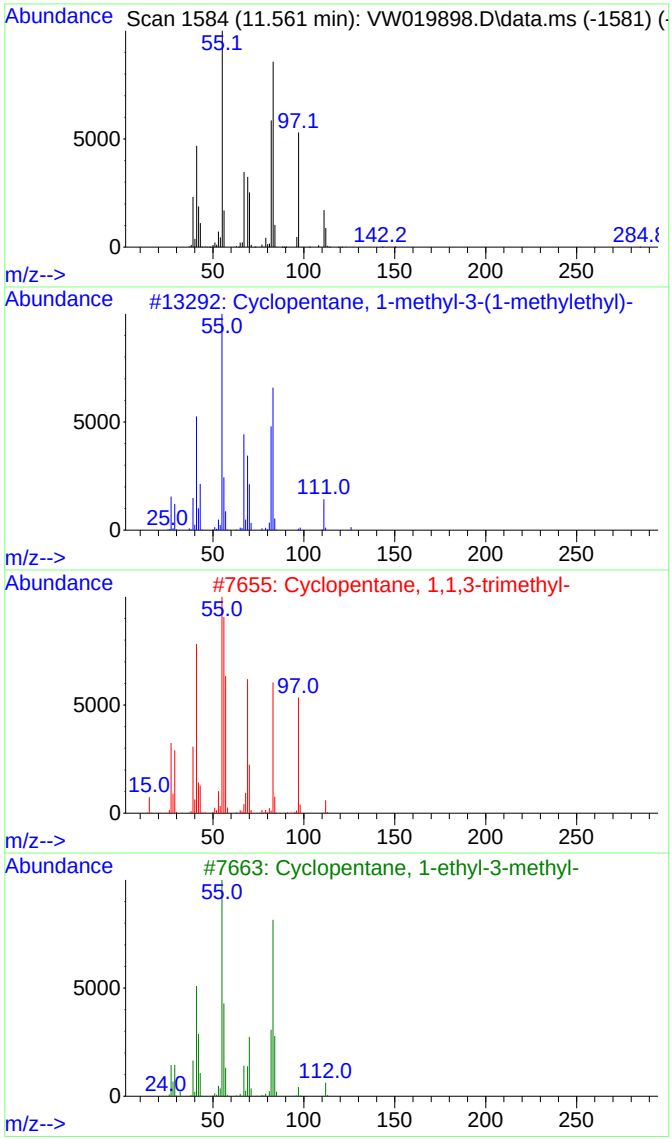
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

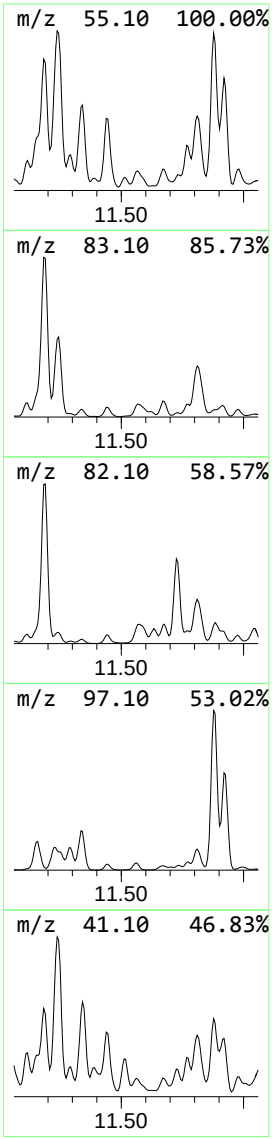
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Cyclic11.561 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.561	36.17 ug/L	6574280	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	64
2	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	53
3	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	47
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	47
5	Cyclohexanecarboxaldehyde	112	C7H12O	002043-61-0	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

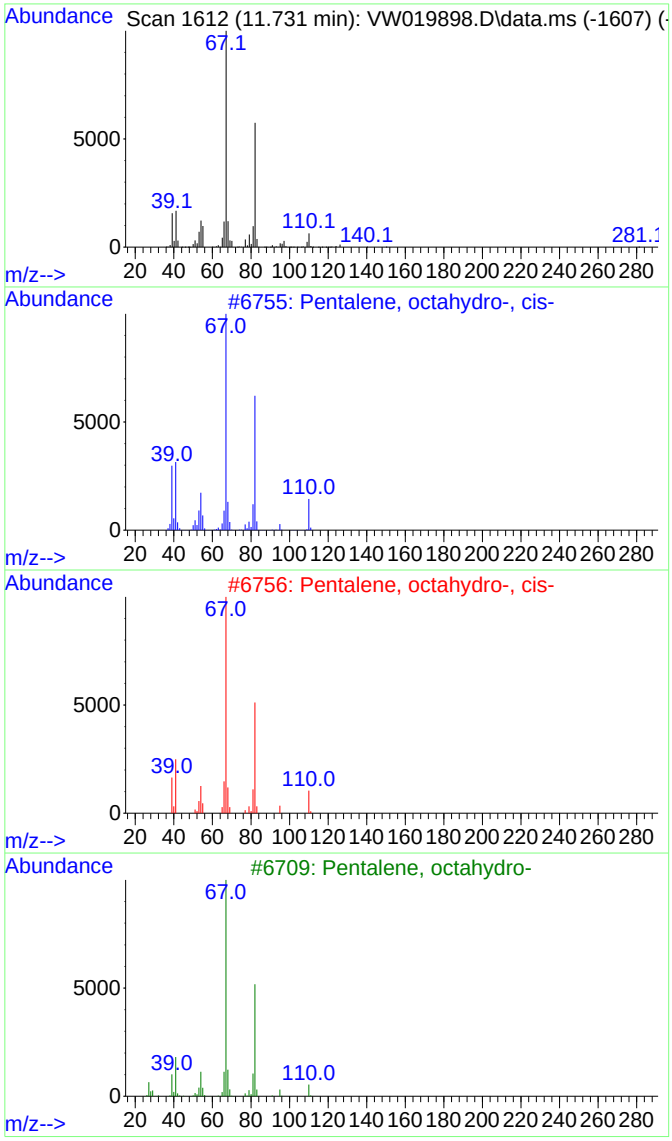
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

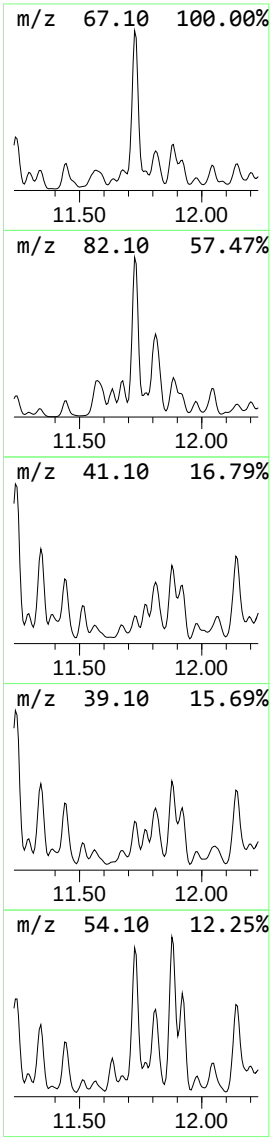
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Pentalene, octahydro-, cis- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.731	60.05 ug/L	10912800	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	94
2	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	91
3	Pentalene, octahydro-	110	C8H14	000694-72-4	91
4	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	91
5	Propanoic acid, 4-hexen-1-yl ester	156	C9H16O2	1000159-22-1	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

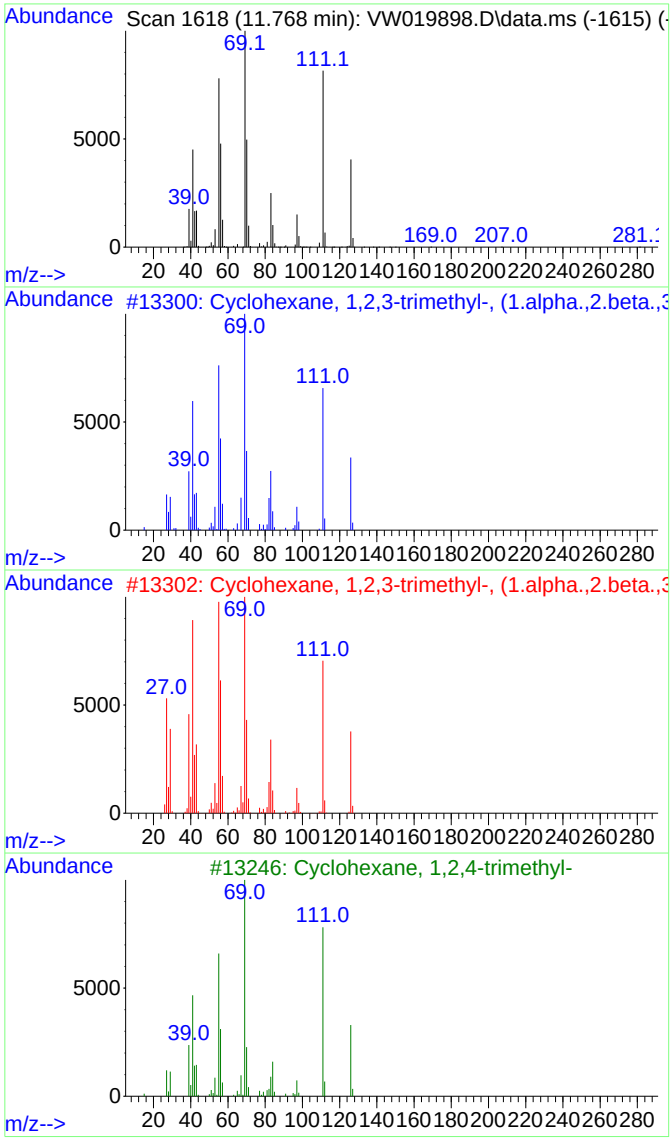
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

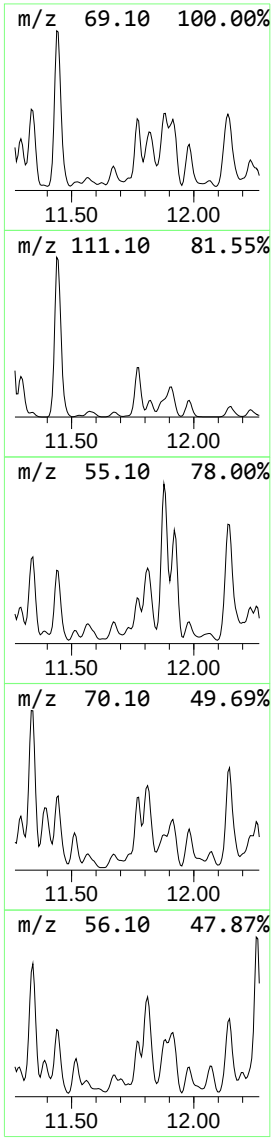
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (DEL) Alkane: Cyclic11.768 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.768	66.98 ug/L	12172900	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	97
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	86
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	74
4	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	74
5	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

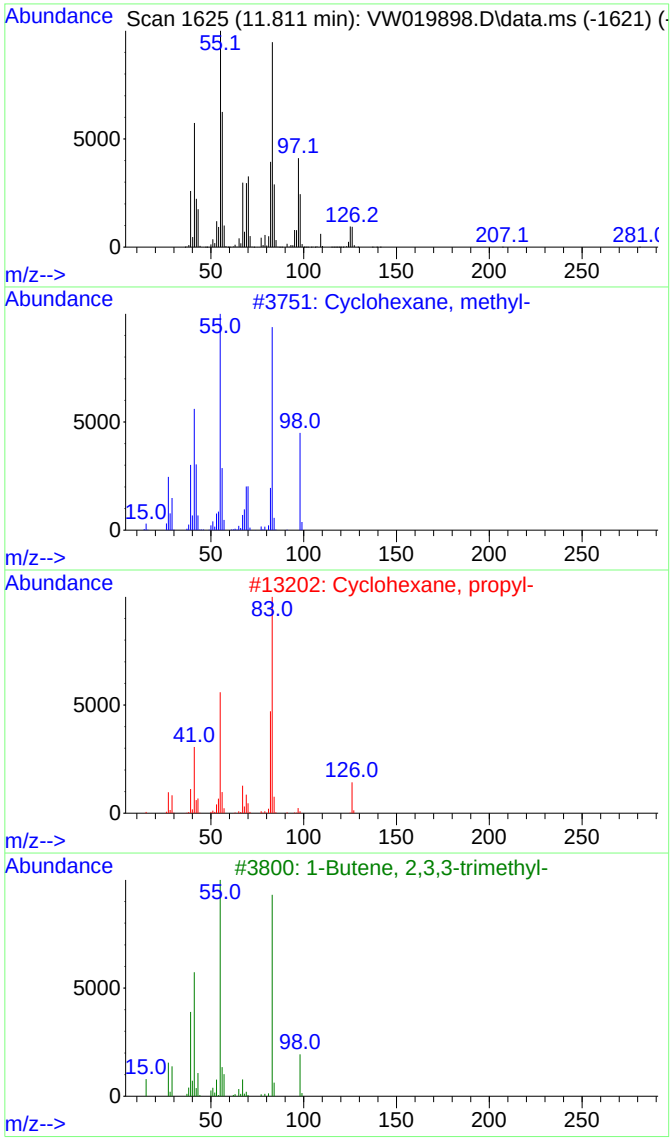
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

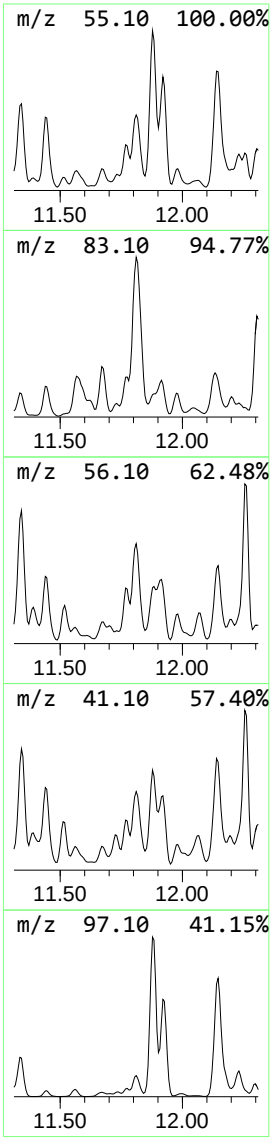
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Cyclic11.811 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.811	150.37 ug/L	27329200	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	46
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	38
3	1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	30
4	2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	30
5	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7C1

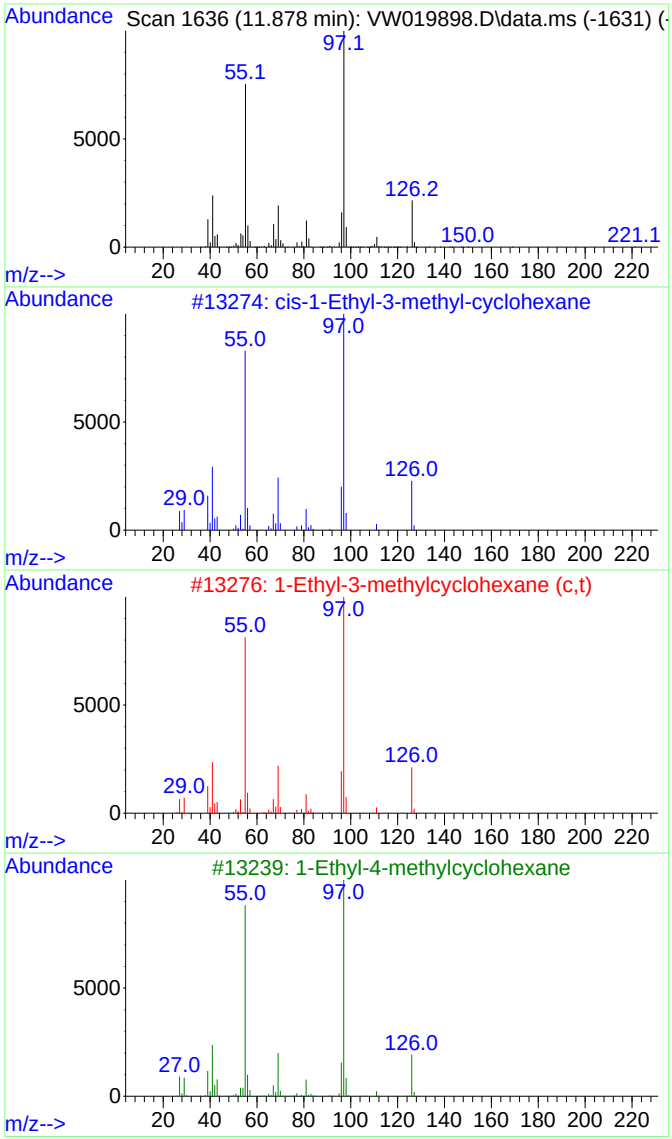
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

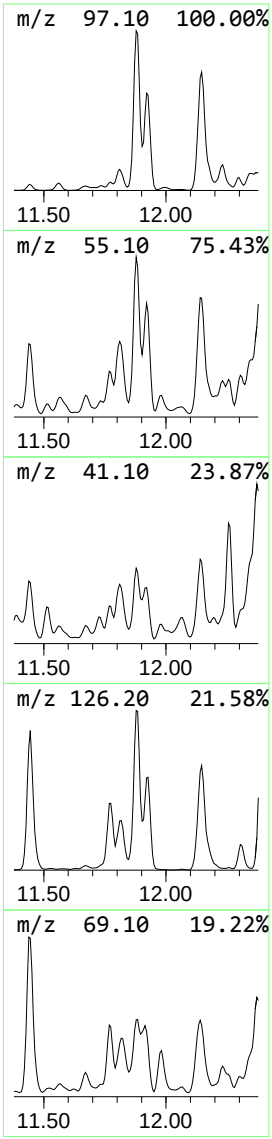
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Cyclic11.878 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.878	228.57 ug/L	41541000	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	95
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	94
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	90
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

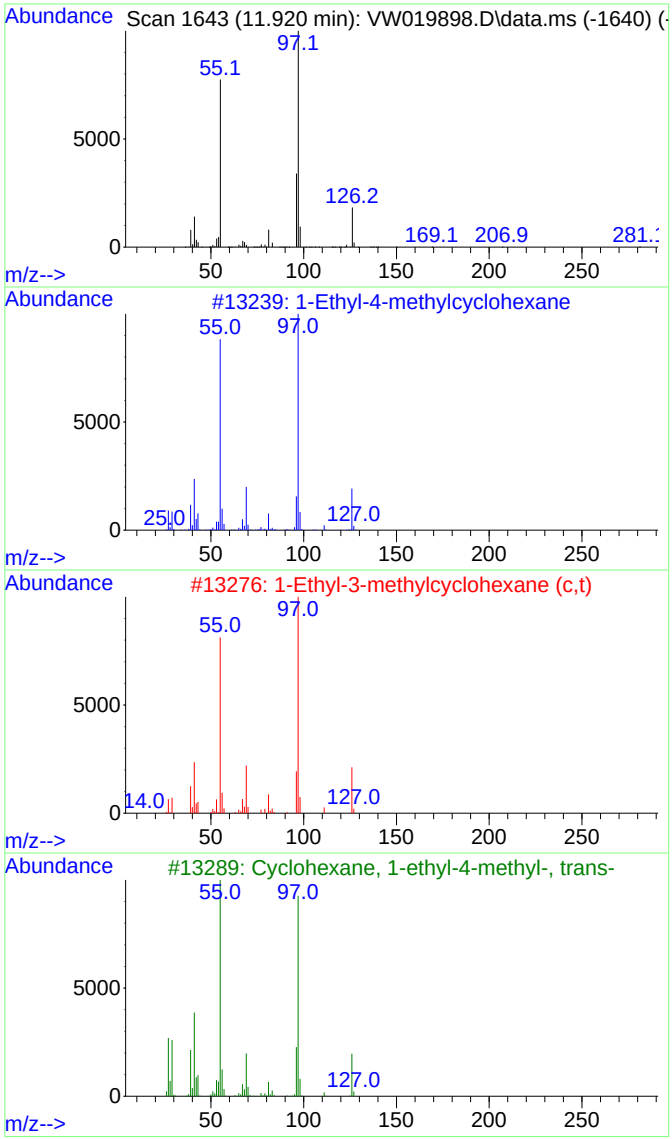
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

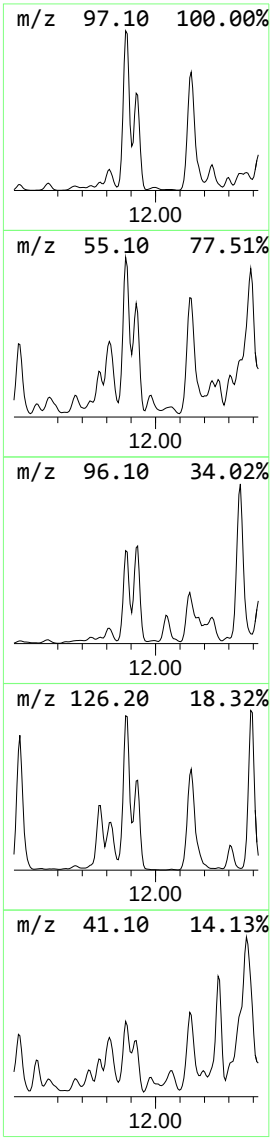
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Cyclic11.920 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.920	157.99 ug/L	28713600	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	86
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	80
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	74
4	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	72
5	4-Octen-3-one	126	C8H14O	014129-48-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

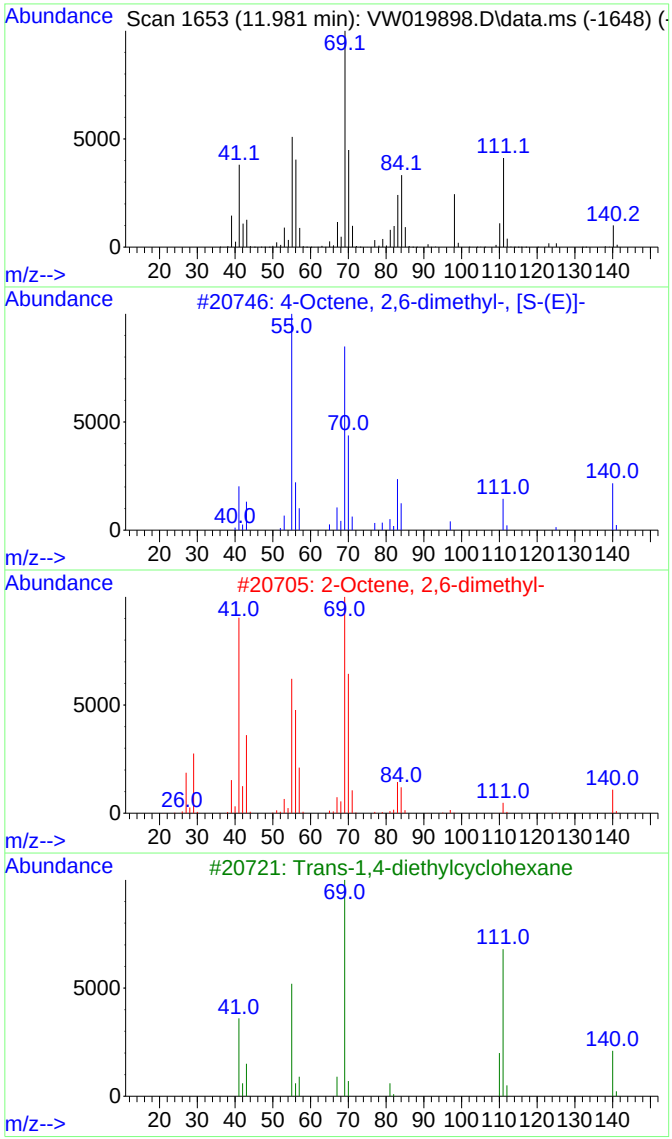
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

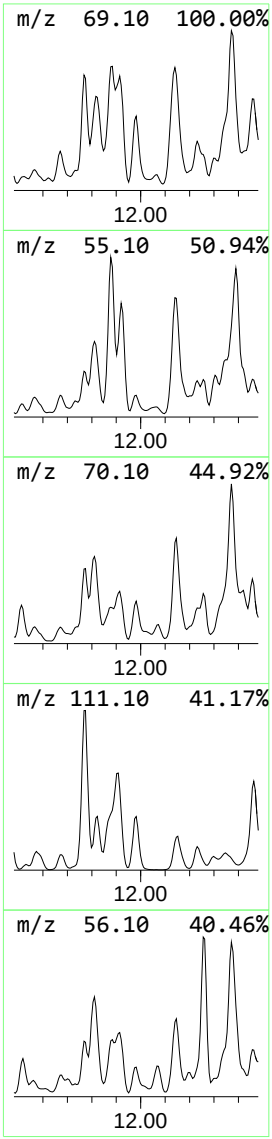
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.981	59.18 ug/L	10755200	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	60
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	52
3	Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	50
4	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	45
5	2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	41





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

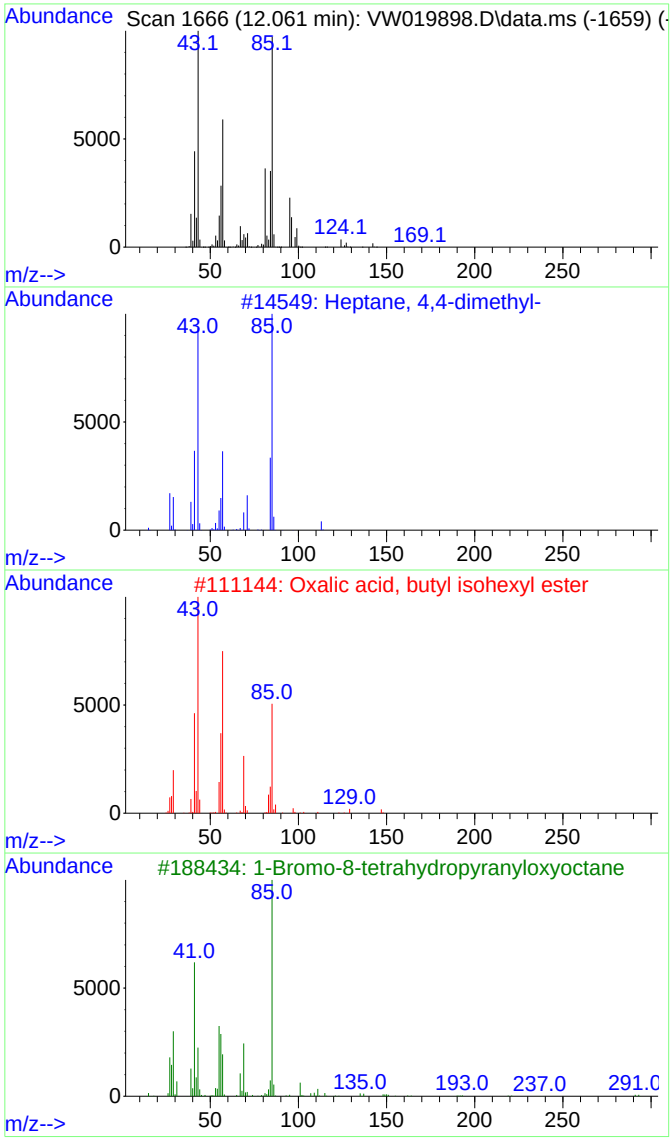
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

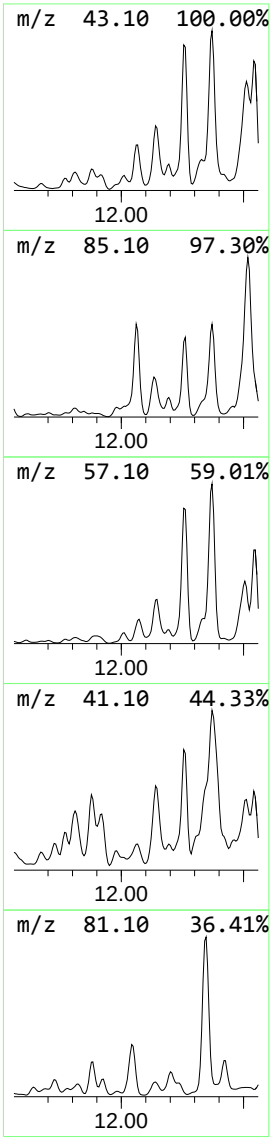
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.061	87.48 ug/L	15899100	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	53
2	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	50
3	1-Bromo-8-tetrahydropyranyloxyoc...	292	C13H25BrO2	050816-20-1	50
4	Oxalic acid, diisohexyl ester	258	C14H26O4	1010309-32-9	50
5	Pentane, 3-ethyl-3-methyl-	114	C8H18	001067-08-9	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

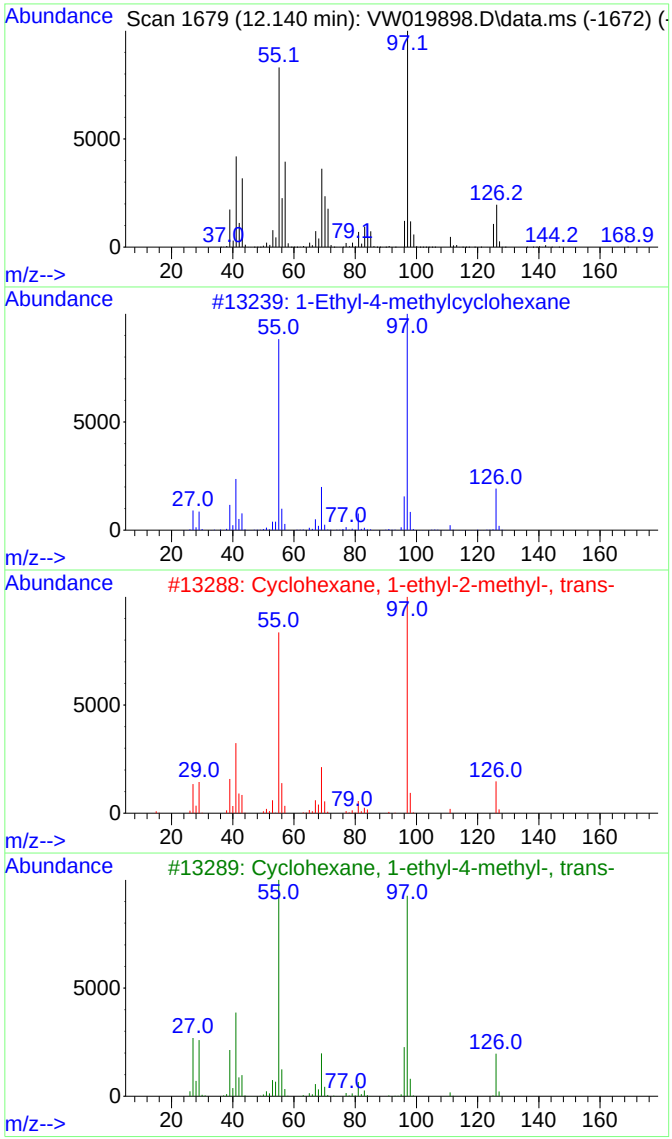
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

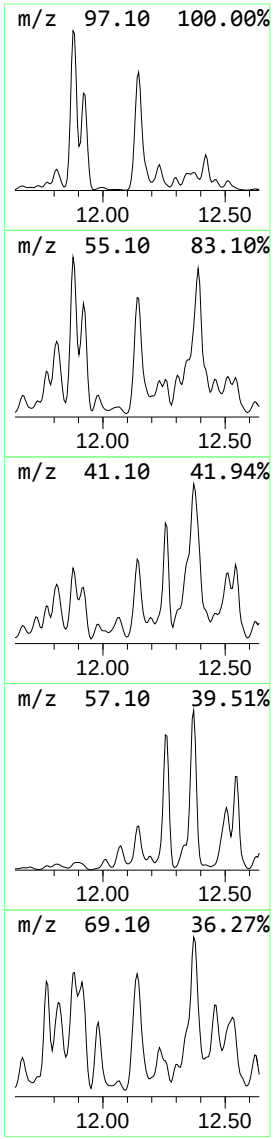
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 (DEL) Alkane: Cyclic12.140 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.140	305.01 ug/L	55433000	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	62
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	62
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	58
4	Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	58
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

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

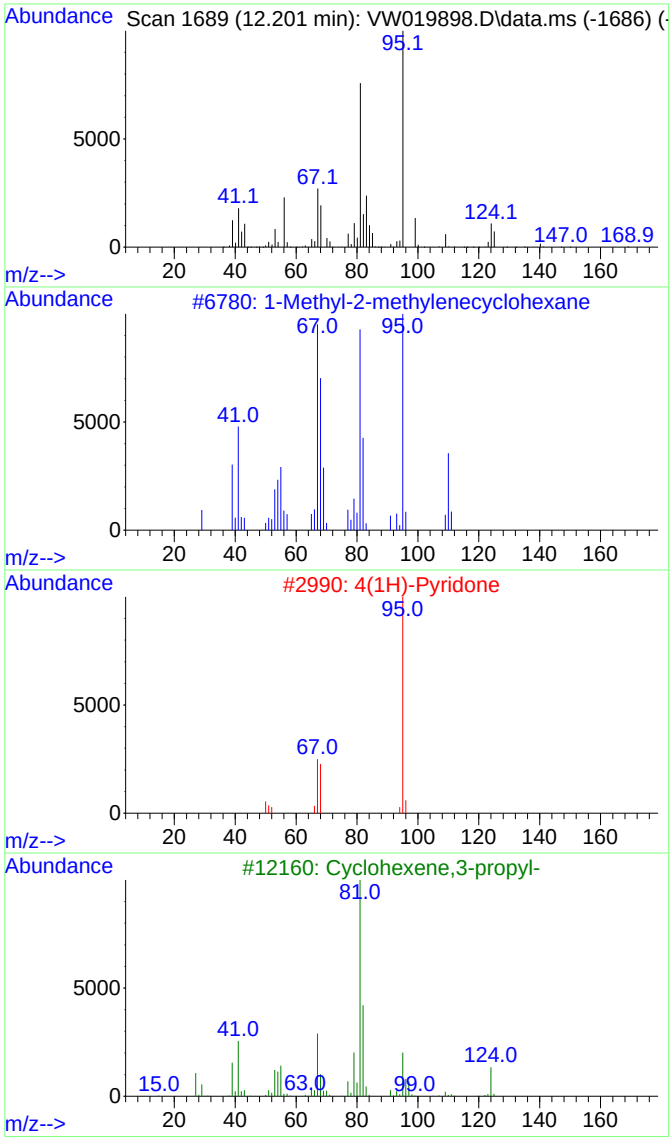
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

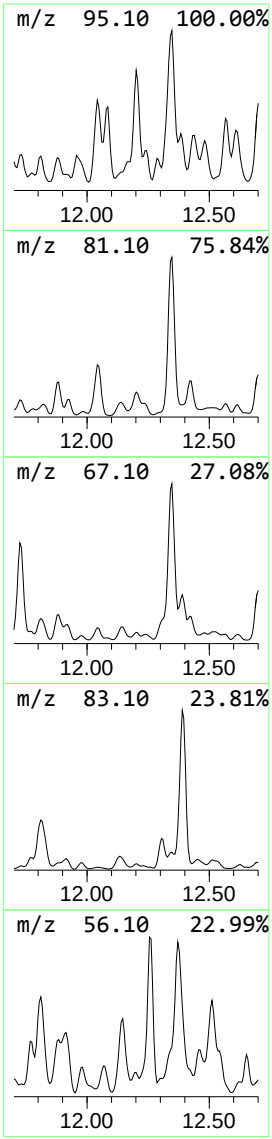
****

Peak Number 37 unknown-03 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.201	28.27 ug/L	5138200	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	43
2	4(1H)-Pyridone	95	C5H5NO	000108-96-3	30
3	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	27
4	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	27
5	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

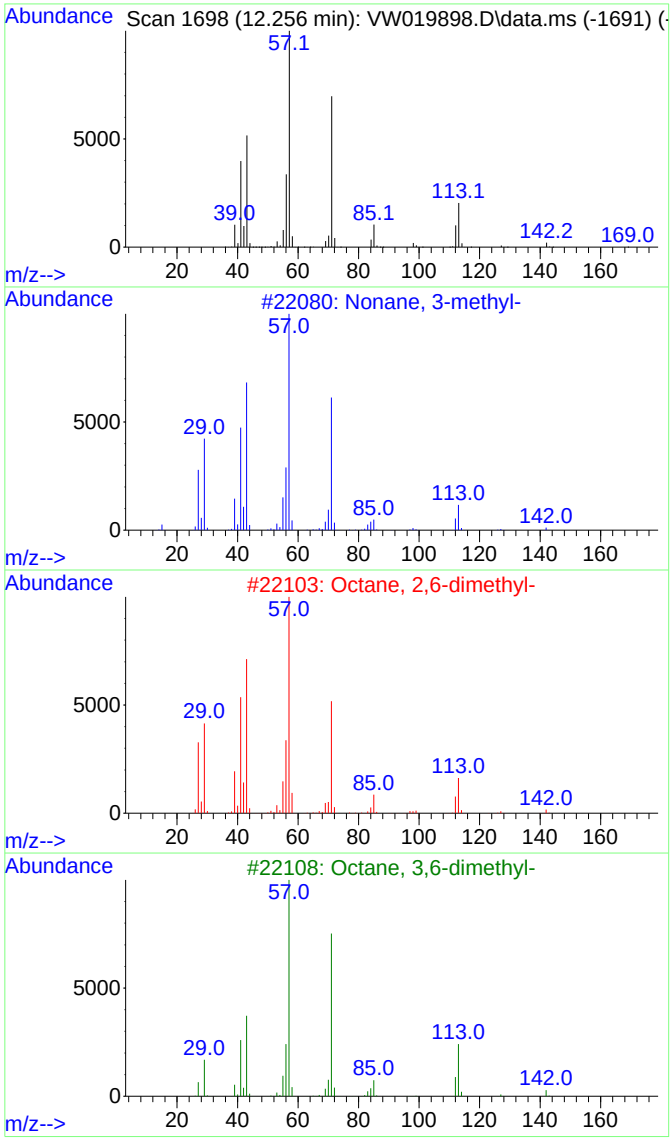
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

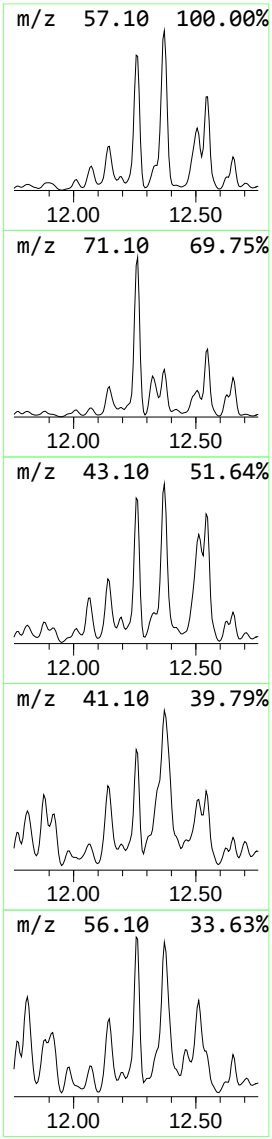
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.256	240.35 ug/L	43681800	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, 3,6-dimethyl-	142	C10H22	015869-94-0	87
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7C1

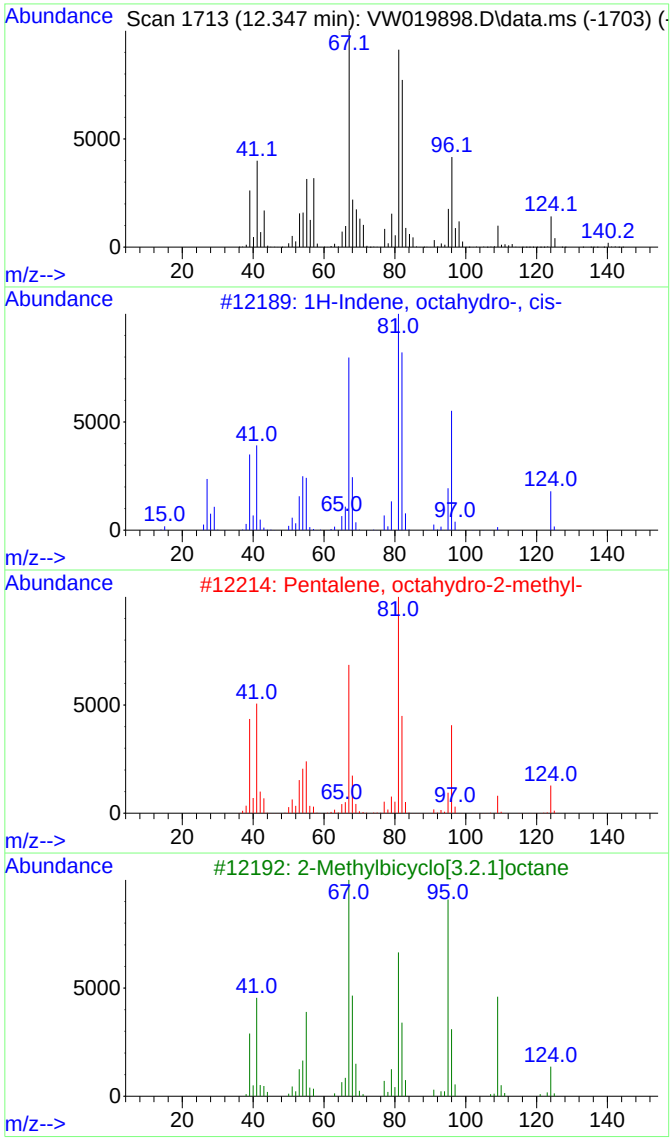
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

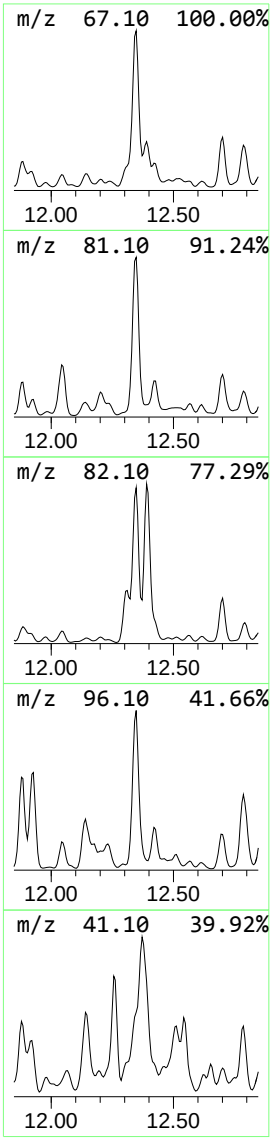
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 1H-Indene, octahydro-, cis- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.347	312.17 ug/L	56733800	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	81
2	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	64
3	2-Methylbicyclo[3.2.1]octane	124	C9H16	1010215-28-0	64
4	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	46
5	Cyclohexene, 4-propyl-	124	C9H16	013487-64-4	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

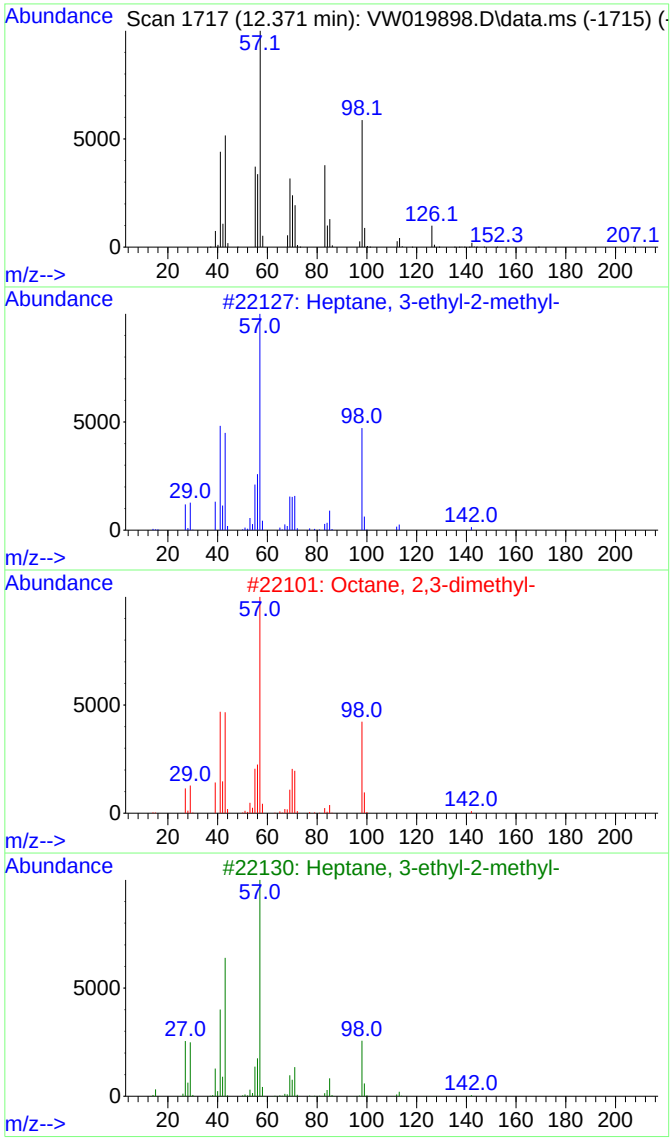
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

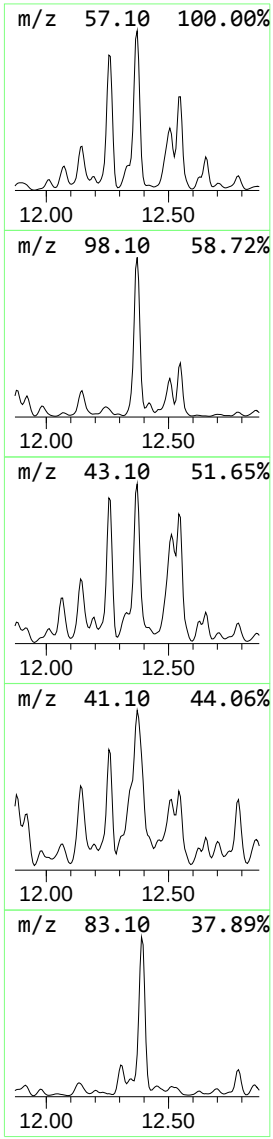
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.371	498.17 ug/L	90538300	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	70
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	53
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50
4	Dichloroacetic acid, nonyl ester	254	C11H20Cl2O2	083004-99-3	50
5	Heptane, 4-propyl-	142	C10H22	003178-29-8	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7C1

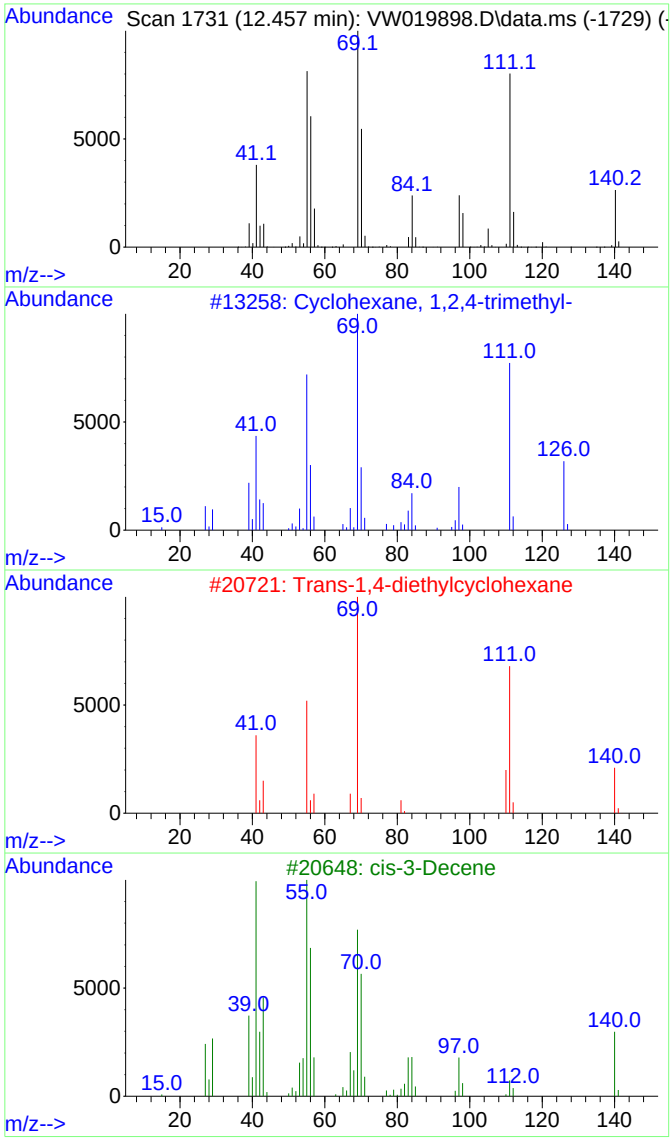
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

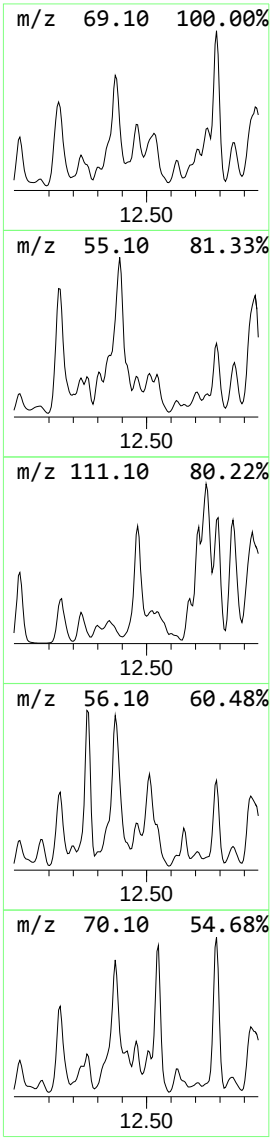
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 (DEL) Alkane: Cyclic12.457 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	47.81 ug/L	8688780	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	59
2	Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	47
3	cis-3-Decene	140	C10H20	019398-86-8	46
4	cis-4-Decene	140	C10H20	019398-88-0	45
5	3-Octene, 4-ethyl-	140	C10H20	053966-51-1	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

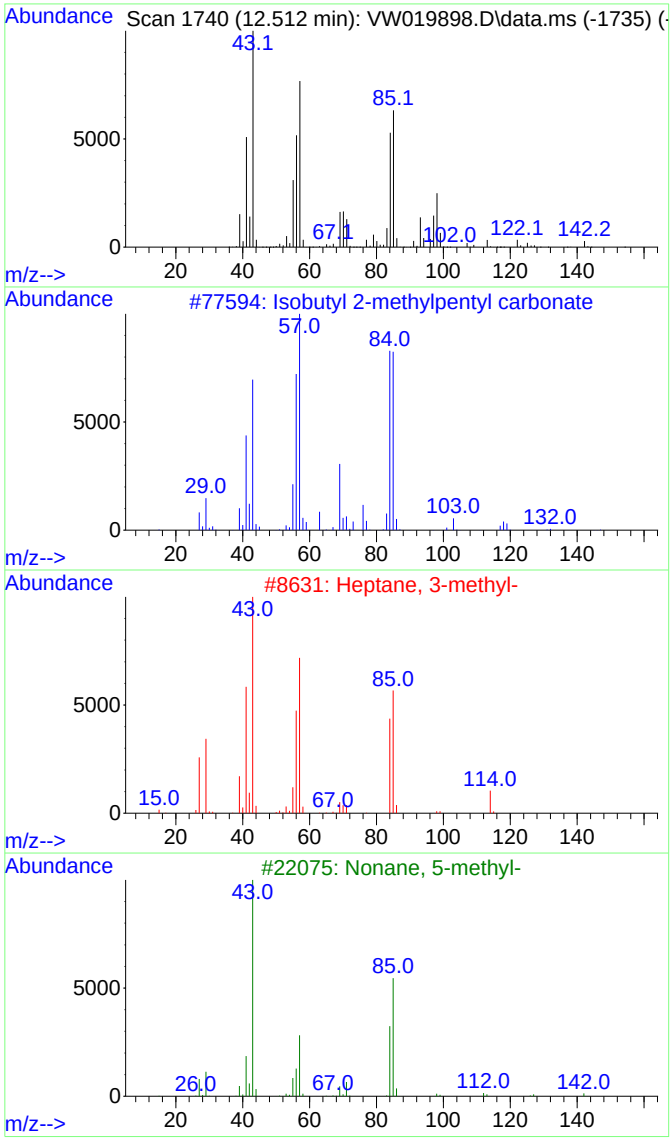
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

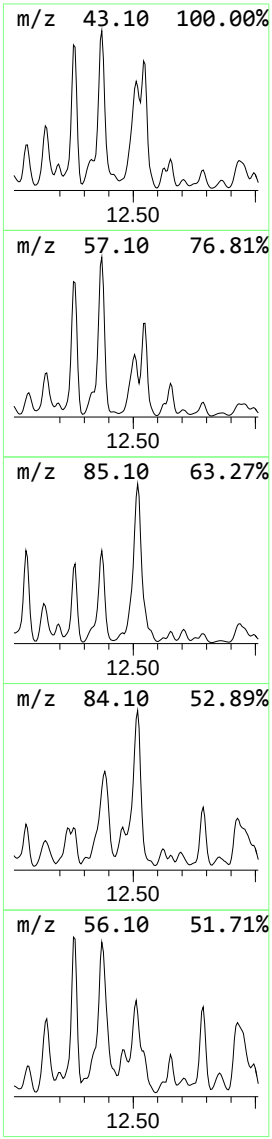
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 Isobutyl 2-methylpentyl car... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.512	191.98 ug/L	34891600	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutyl 2-methylpentyl carbonate	202	C11H22O3	1000372-75-2	53
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	53
3	Nonane, 5-methyl-	142	C10H22	015869-85-9	47
4	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	43
5	Ether, heptyl hexyl	200	C13H28O	007289-40-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

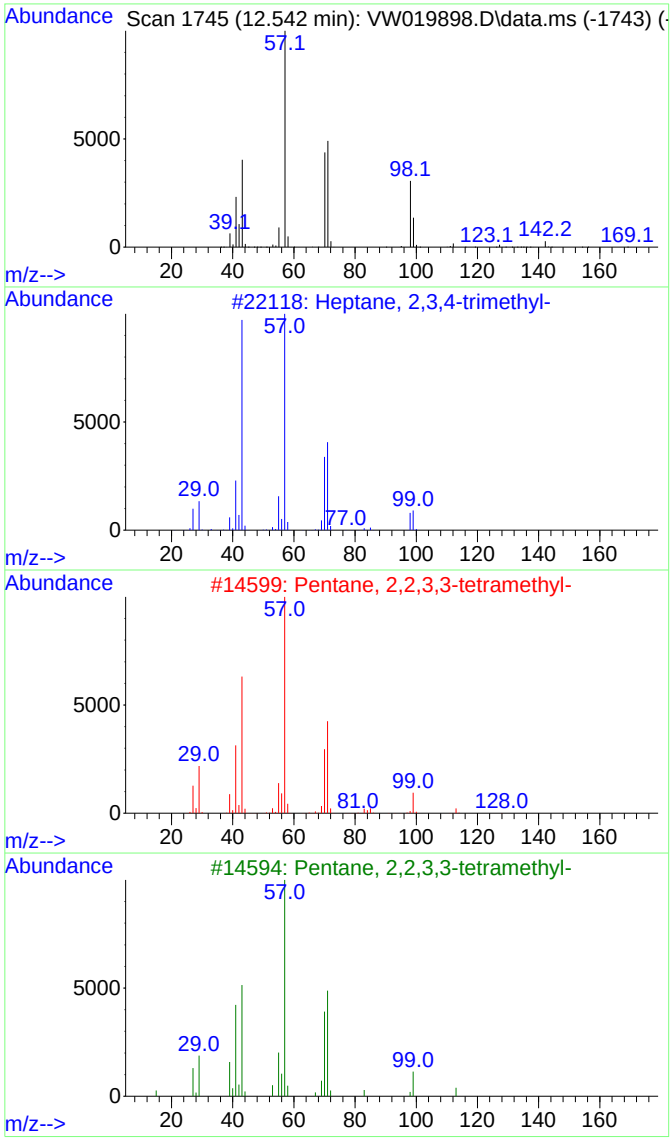
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

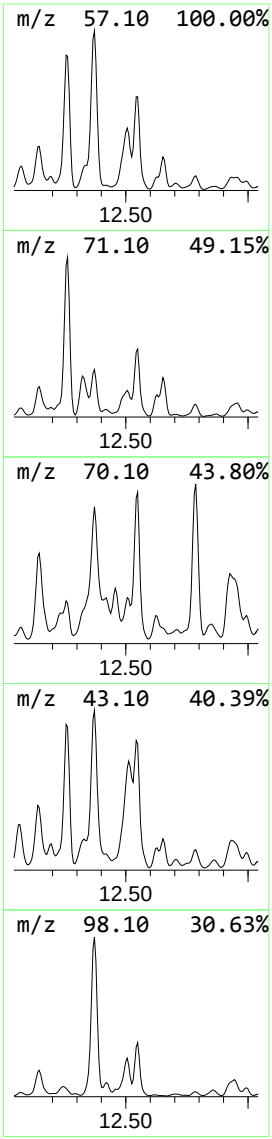
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.542	185.61 ug/L	33734000	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	64
2	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
3	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
4	Nonane, 4-methyl-	142	C10H22	017301-94-9	56
5	Nonane, 4-methyl-	142	C10H22	017301-94-9	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7C1

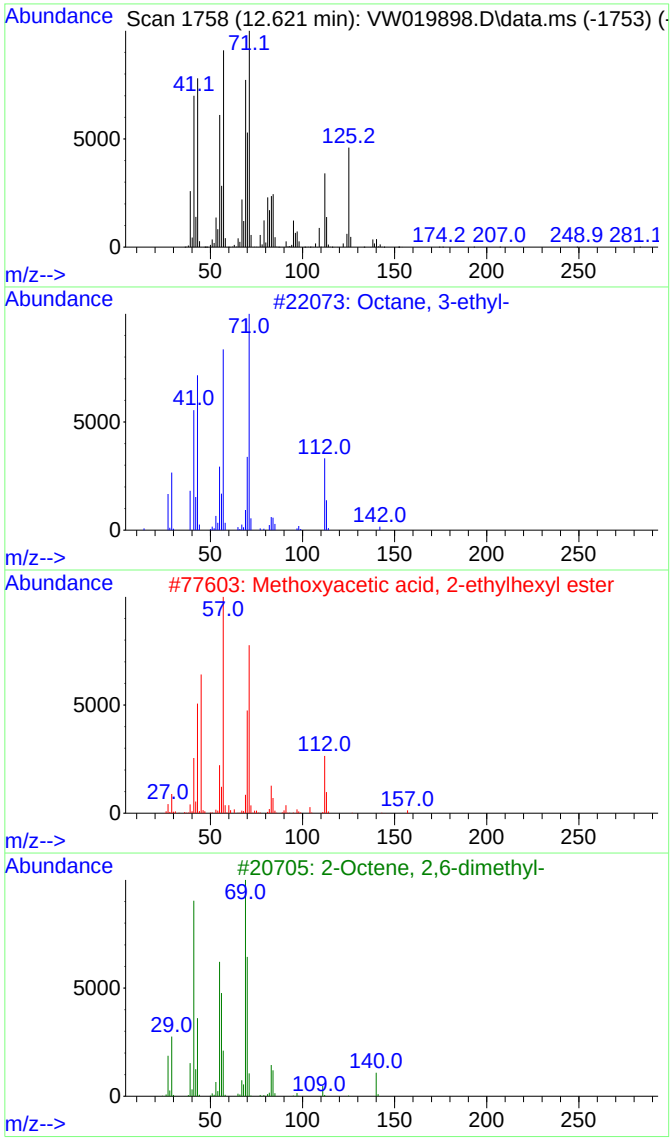
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

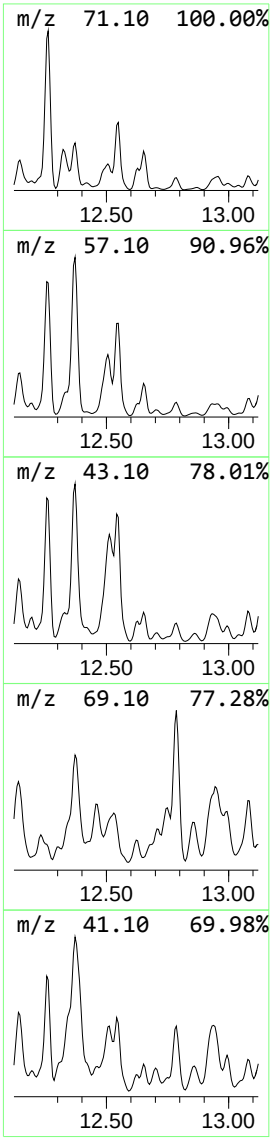
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.621	43.10 ug/L	9561100	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-ethyl-	142	C10H22	005881-17-4	38
2	Methoxyacetic acid, 2-ethylhexyl...	202	C11H22O3	1000282-41-4	38
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	30
4	4-Methyl-2-heptene	112	C8H16	003404-56-6	27
5	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

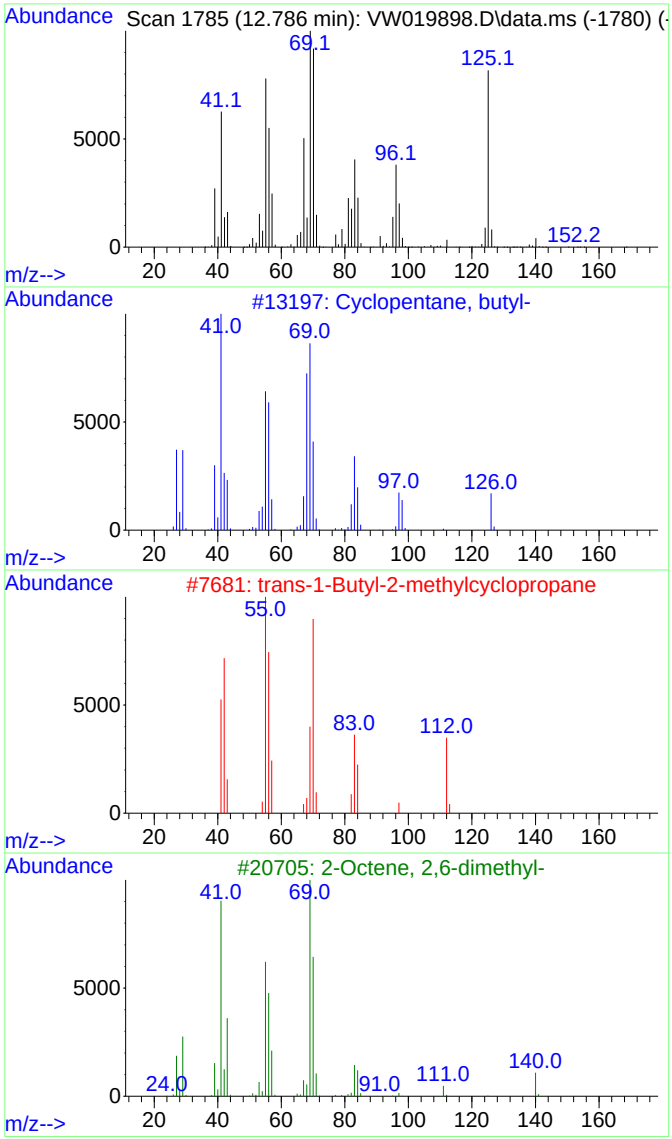
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

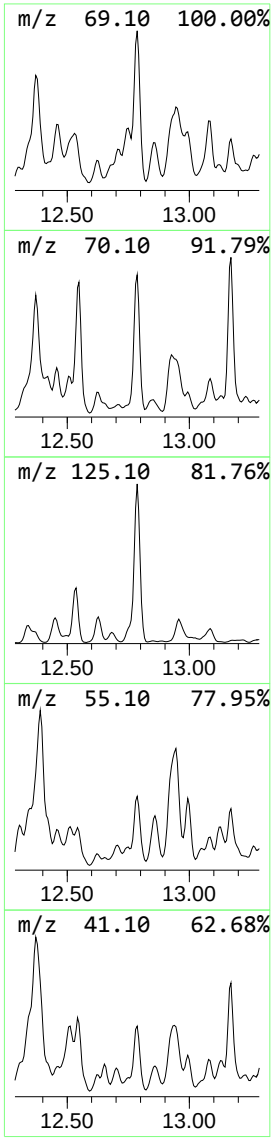
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 (DEL) Alkane: Cyclic12.786 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.786	178.49 ug/L	39594700	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, butyl-	126	C9H18	002040-95-1	55
2	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	46
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	43
4	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	42
5	Ketone, vinyl-pyrrolidinyl-	125	C7H11NO	042104-70-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

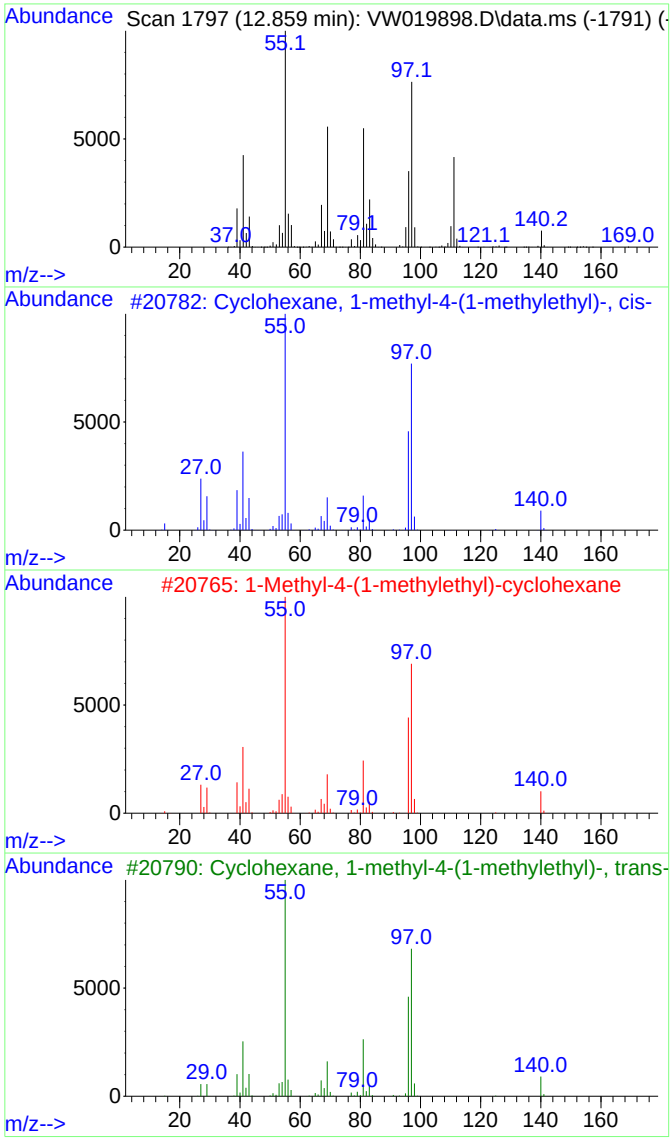
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

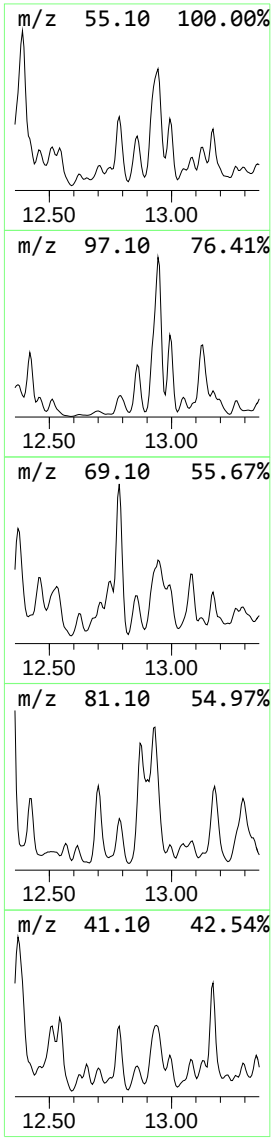
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 (DEL) Alkane: Cyclic12.859 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	88.92 ug/L	19725700	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	49
2	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	49
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	49
4	Cyclopentane, 1-hydroxymethyl-1,...	128	C8H16O	1000156-73-8	47
5	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

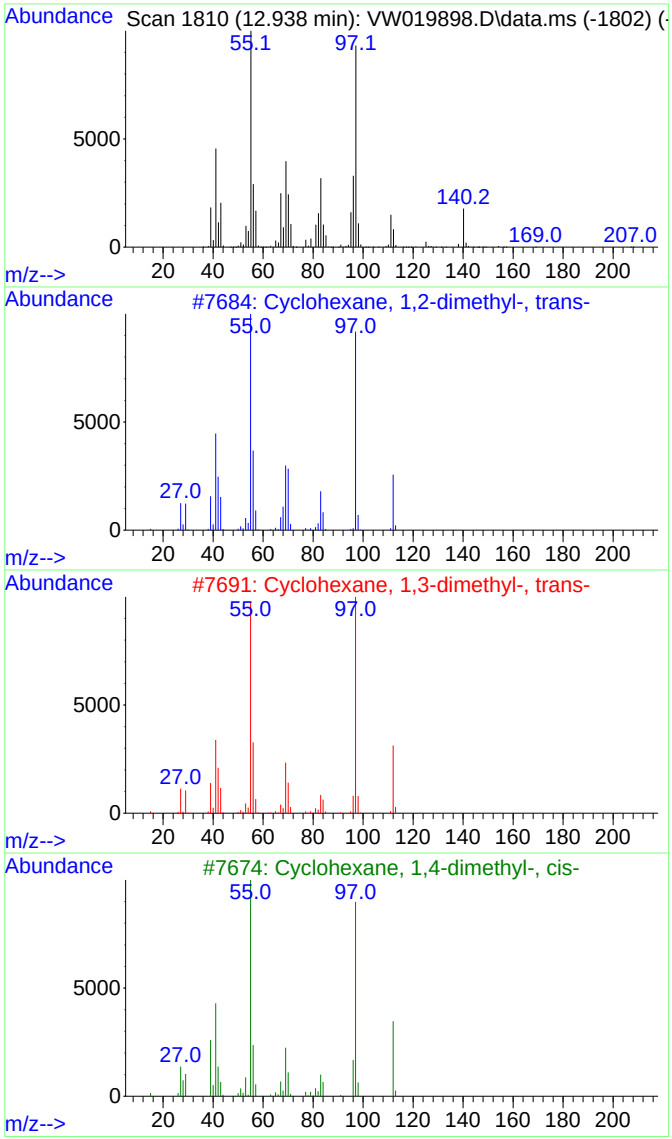
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

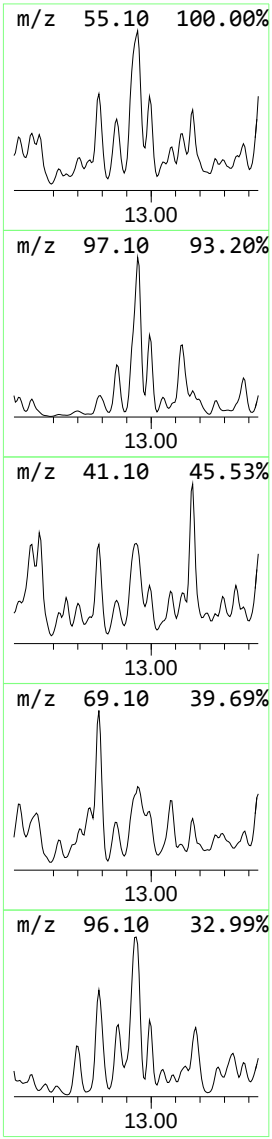
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 (DEL) Alkane: Cyclic12.938 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.938	256.89 ug/L	56988000	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	53
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	52
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	52
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	52
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

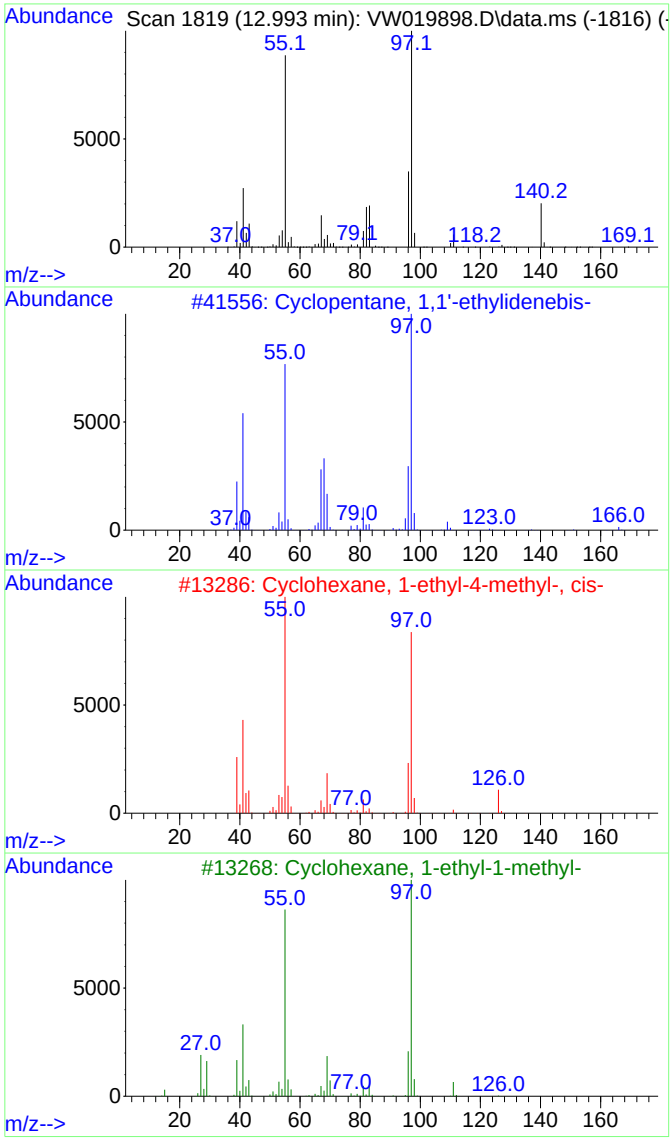
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

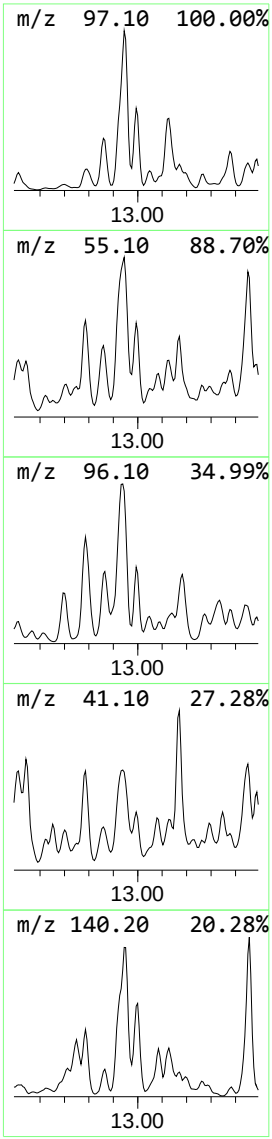
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 Cyclopentane, 1,1'-ethylide... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.993	71.41 ug/L	15842300	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	53
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	50
3	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	50
4	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	47
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

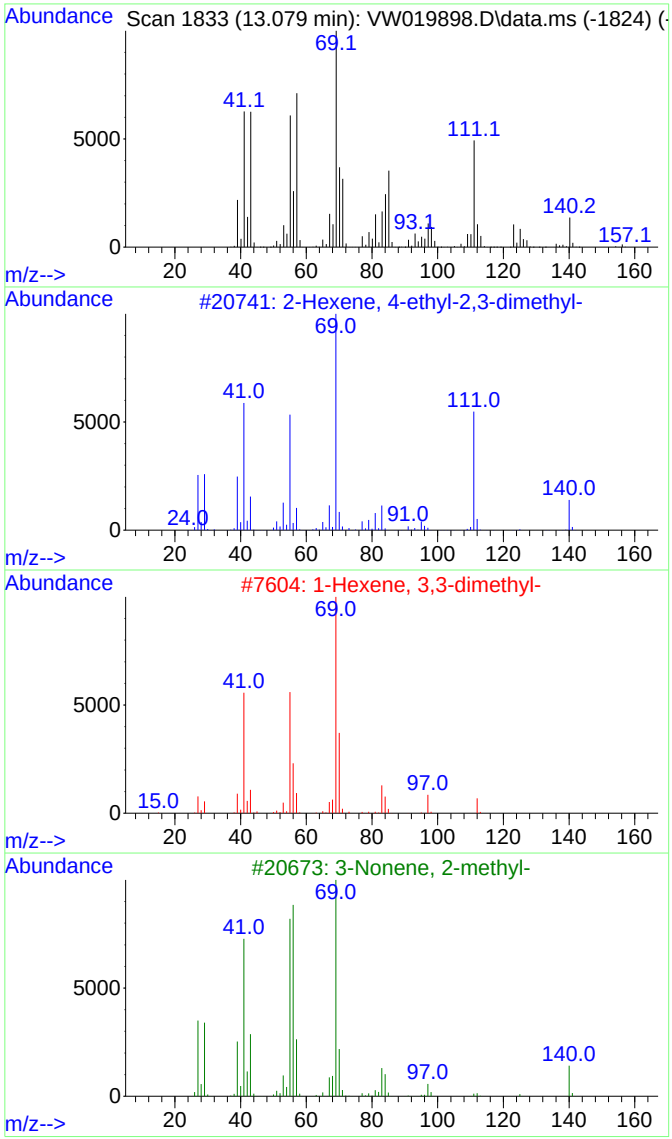
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

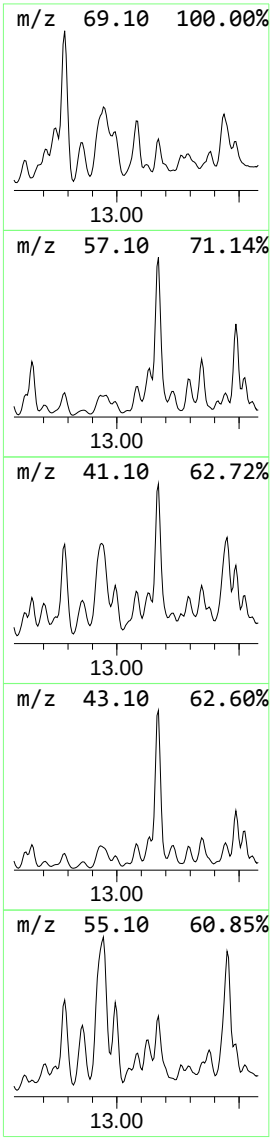
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.079	81.44 ug/L	18066700	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	46
2	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	46
3	3-Nonene, 2-methyl-	140	C10H20	053966-53-3	43
4	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	43
5	1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

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

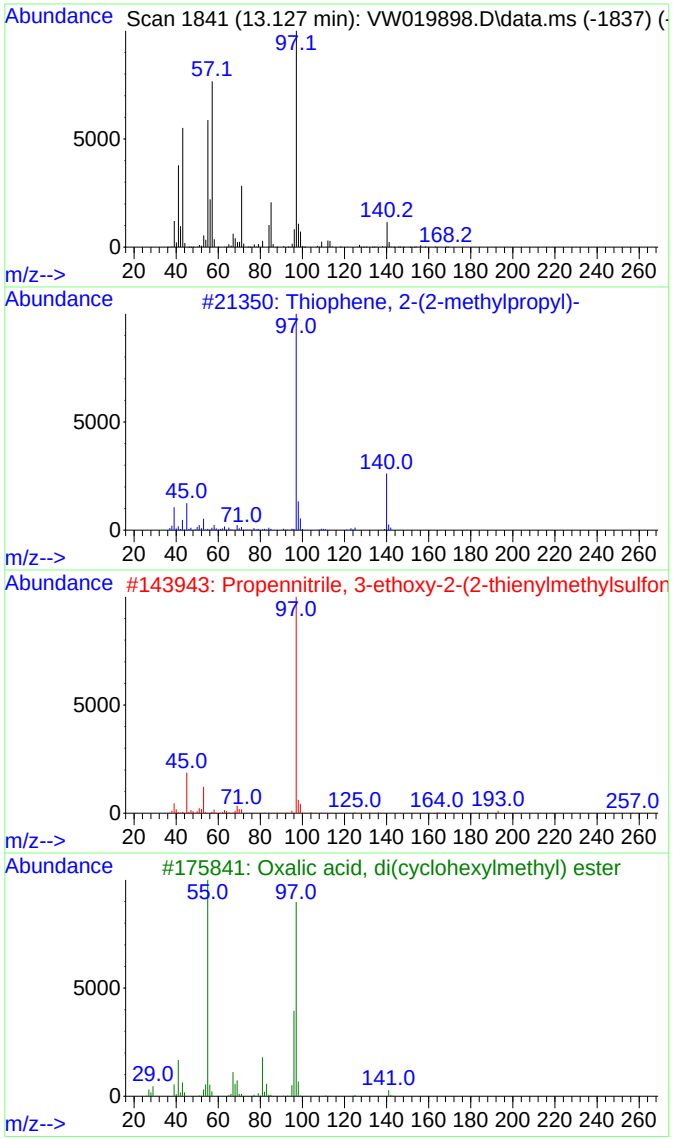
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

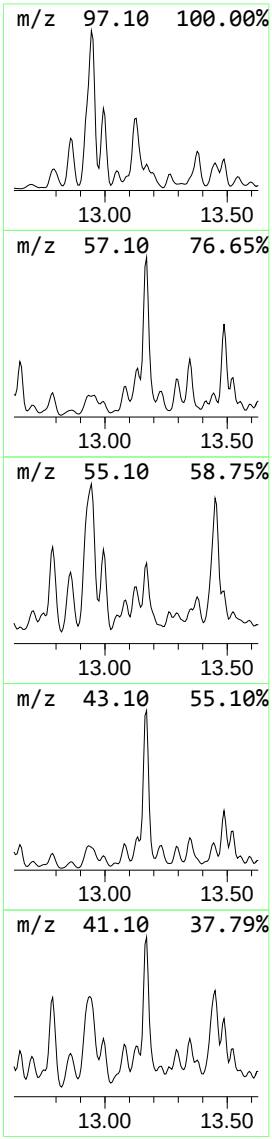
****

Peak Number 50 unknown-04 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.127	43.75 ug/L	9706170	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-(2-methylpropyl)-	140	C8H12S	032741-05-2	43
2	Propennitrile, 3-ethoxy-2-(2-thi...	257	C10H11NO3S2	1000267-97-5	35
3	Oxalic acid, di(cyclohexylmethyl...	282	C16H26O4	1000309-68-5	35
4	Undecane	156	C11H24	001120-21-4	35
5	Undecane, 5-ethyl-	184	C13H28	017453-94-0	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

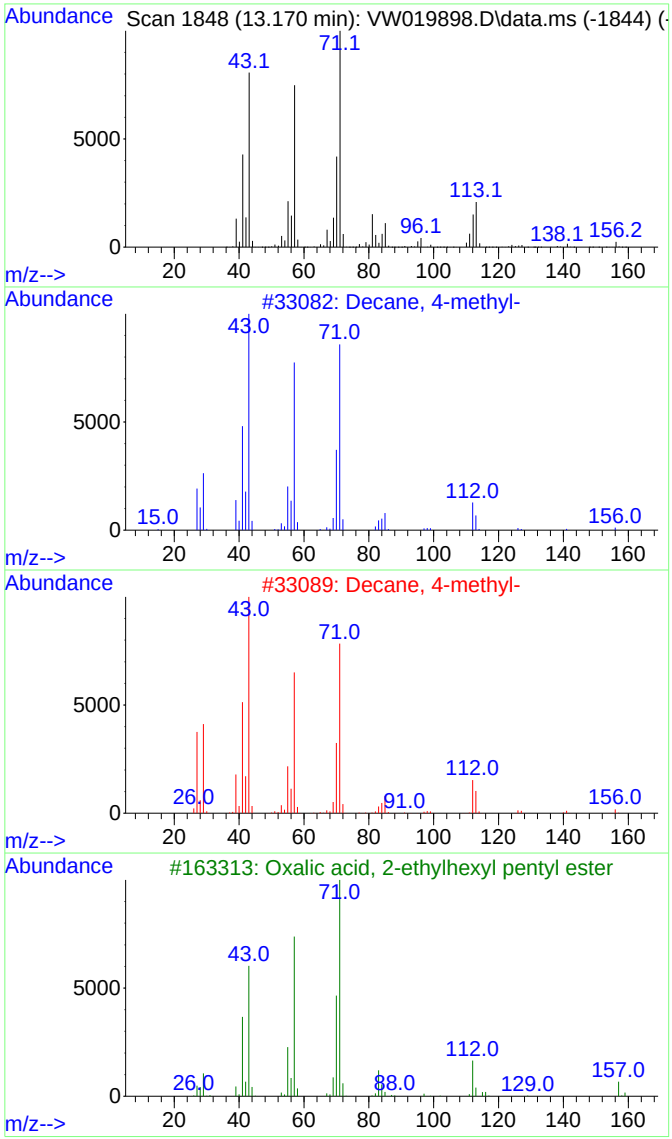
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

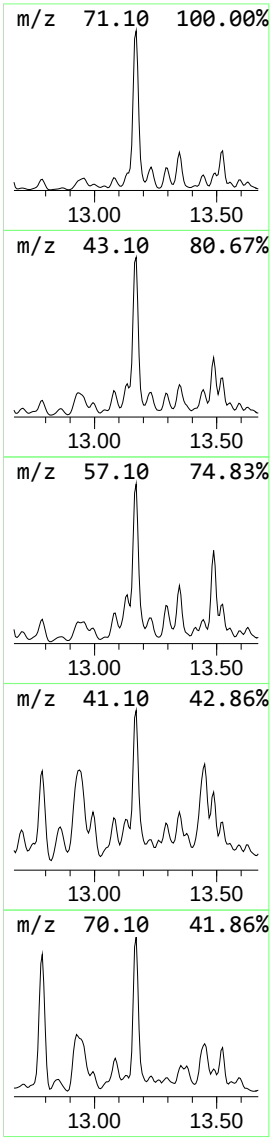
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.170	208.70 ug/L	46298000	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	87
2	Decane, 4-methyl-	156	C11H24	002847-72-5	83
3	Oxalic acid, 2-ethylhexyl pentyl...	272	C15H28O4	1000309-38-7	64
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
5	Octane, 3-ethyl-	142	C10H22	005881-17-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

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

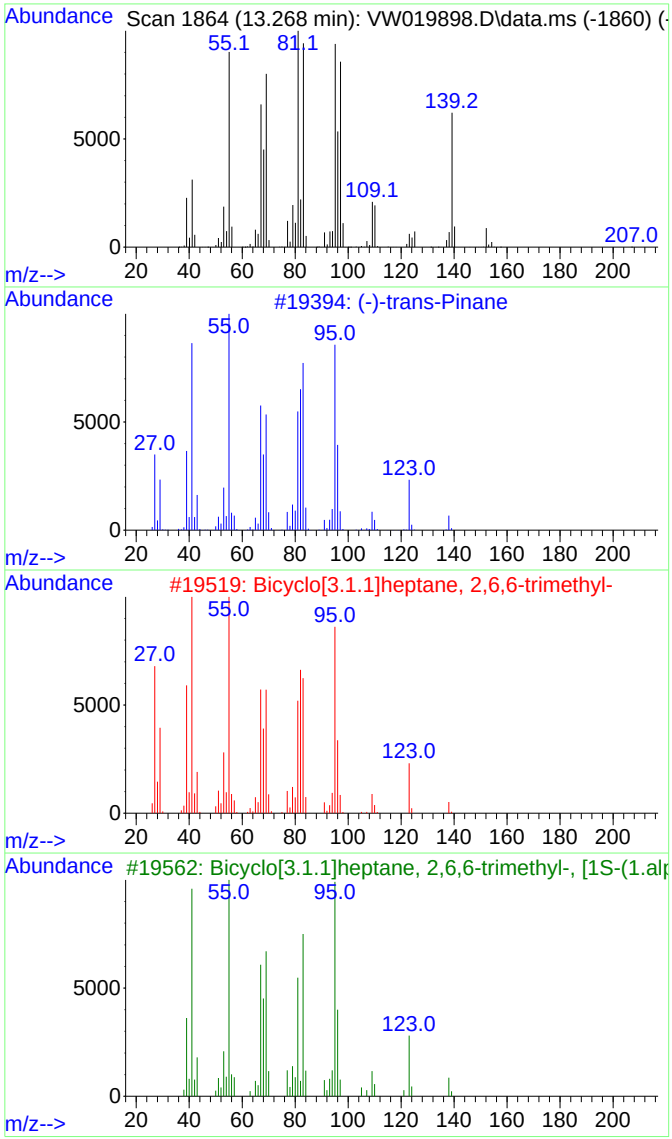
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

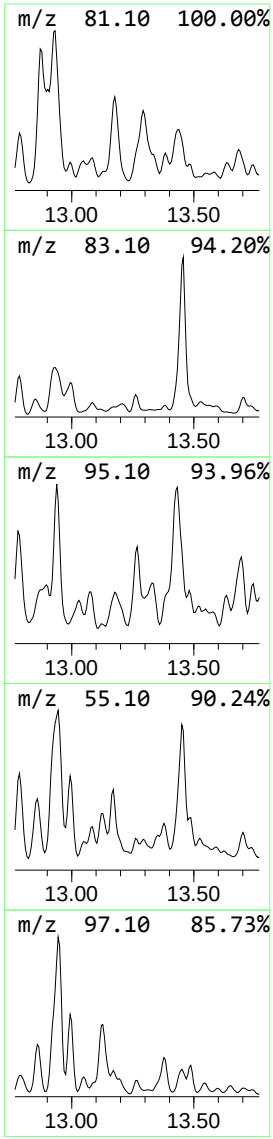
****

Peak Number 52 unknown-05 Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.268	14.08 ug/L	3124110	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(-)-trans-Pinane	138	C10H18	033626-25-4	41
2	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	38
3	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004755-33-3	25
4	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	25
5	Cyclohexene, 1,6-dimethyl-	110	C8H14	001759-64-4	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

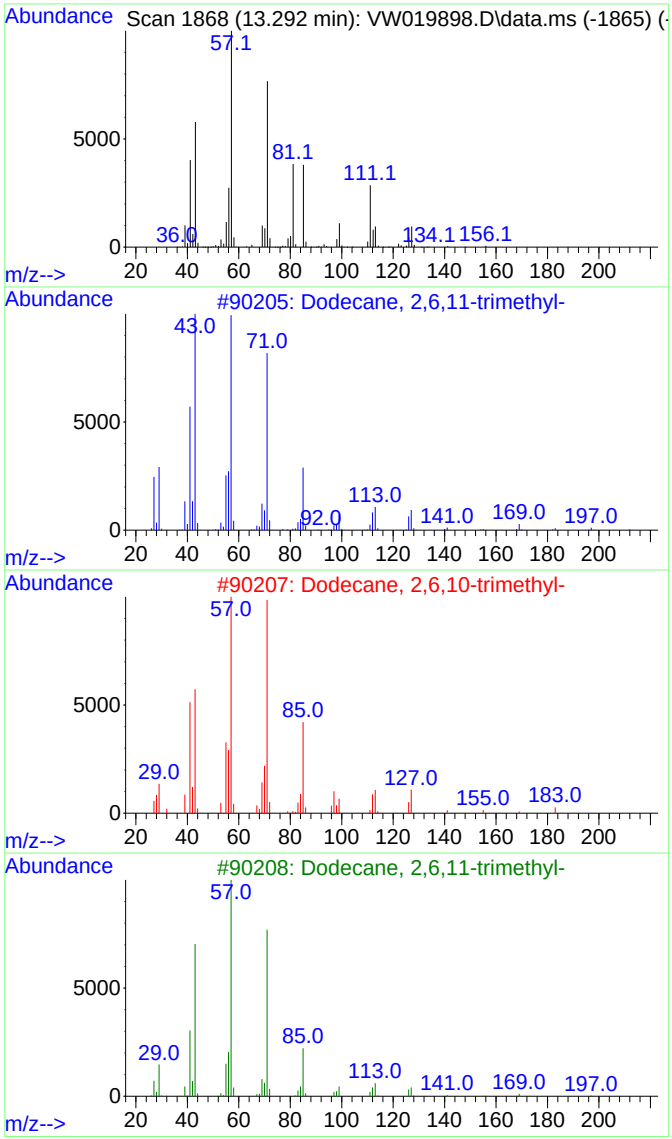
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

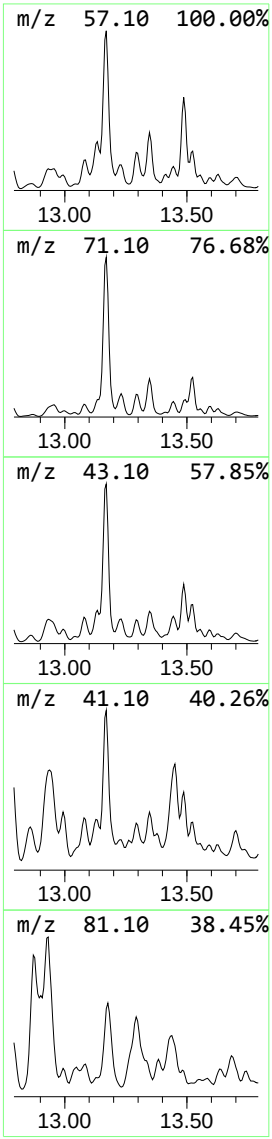
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	37.13 ug/L	8236150	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
4	Heptacosane	380	C27H56	000593-49-7	59
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7C1

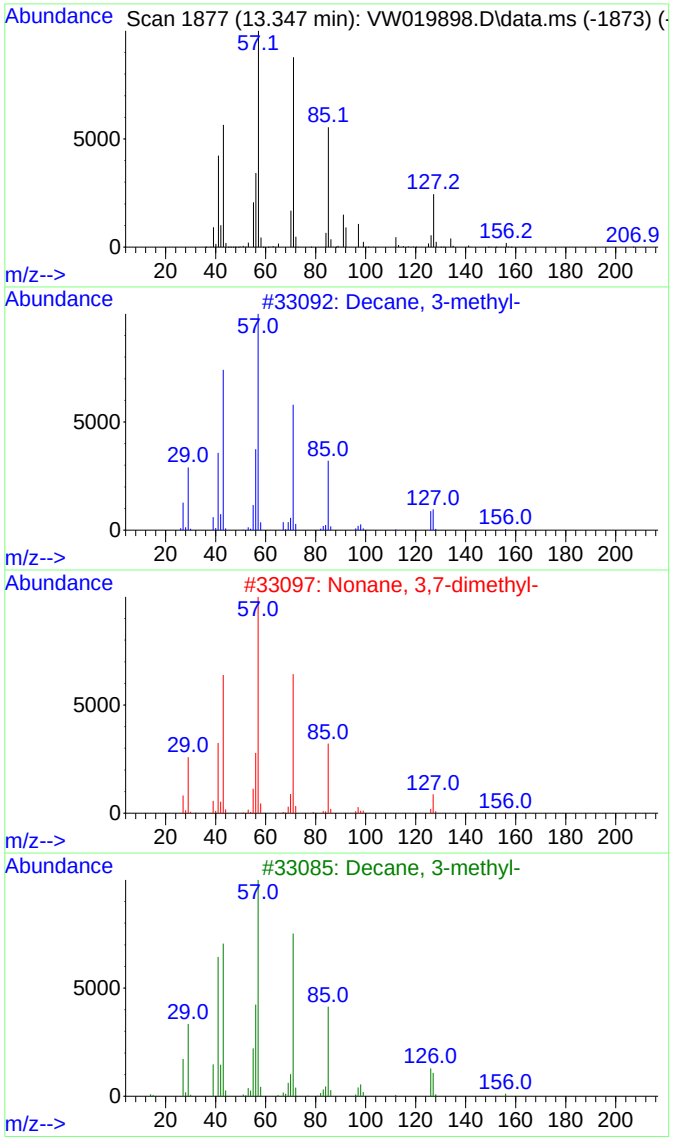
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

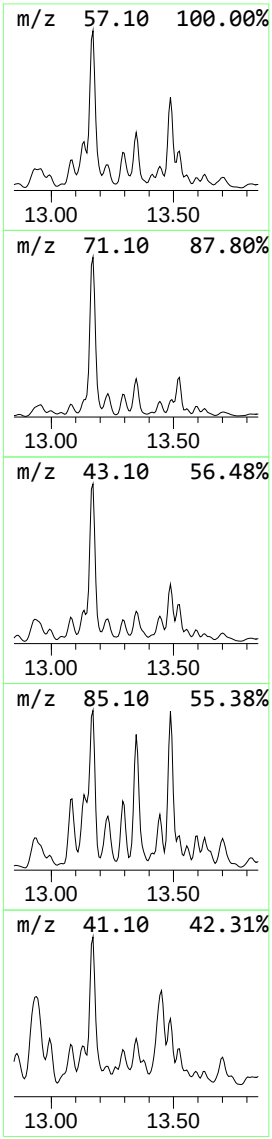
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.347	51.32 ug/L	11384000	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	72
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	72
3	Decane, 3-methyl-	156	C11H24	013151-34-3	64
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	53
5	Nonane, 1-iodo-	254	C9H19I	004282-42-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7C1

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

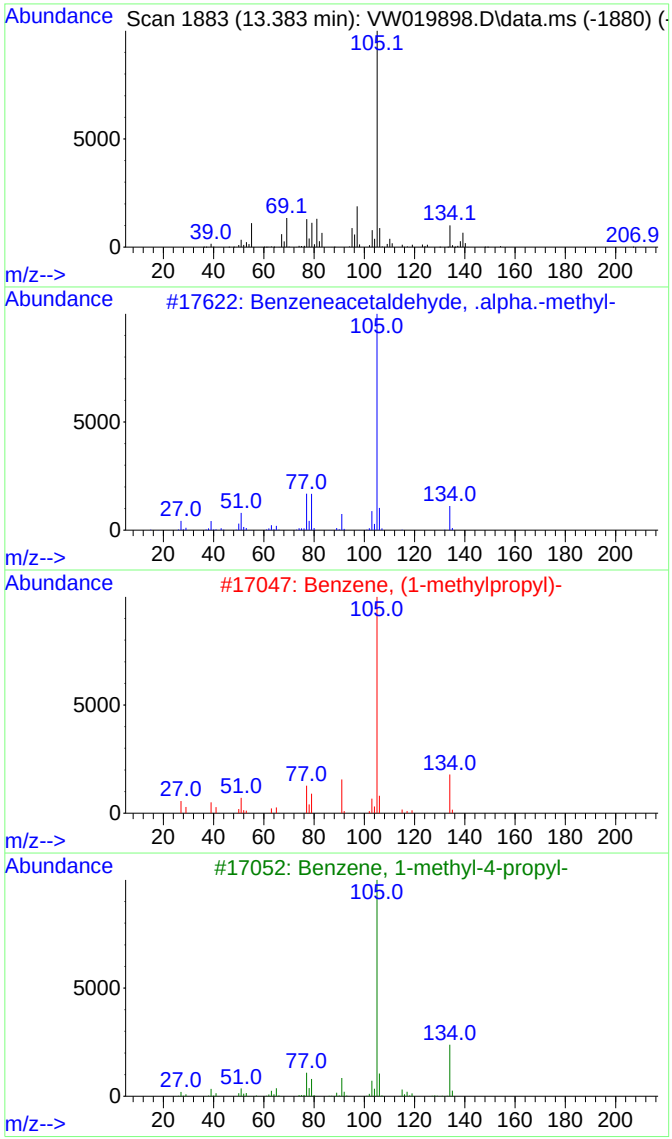
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

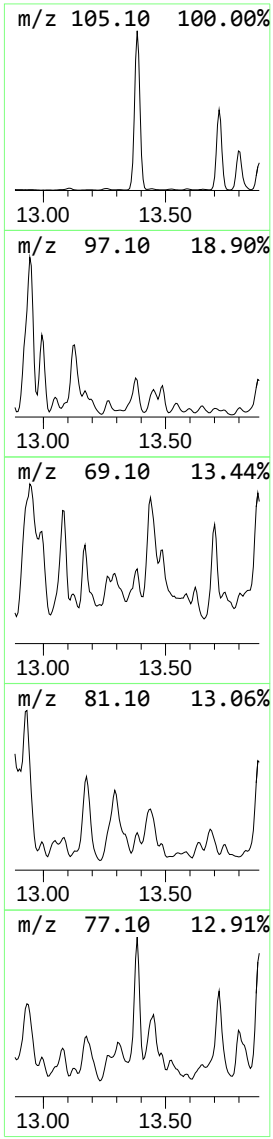
****

Peak Number 55 unknown-06 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.384	39.42 ug/L	8744890	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	49
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	49
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	49
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	47
5	3,4-Dimethylthiophenol	138	C8H10S	018800-53-8	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

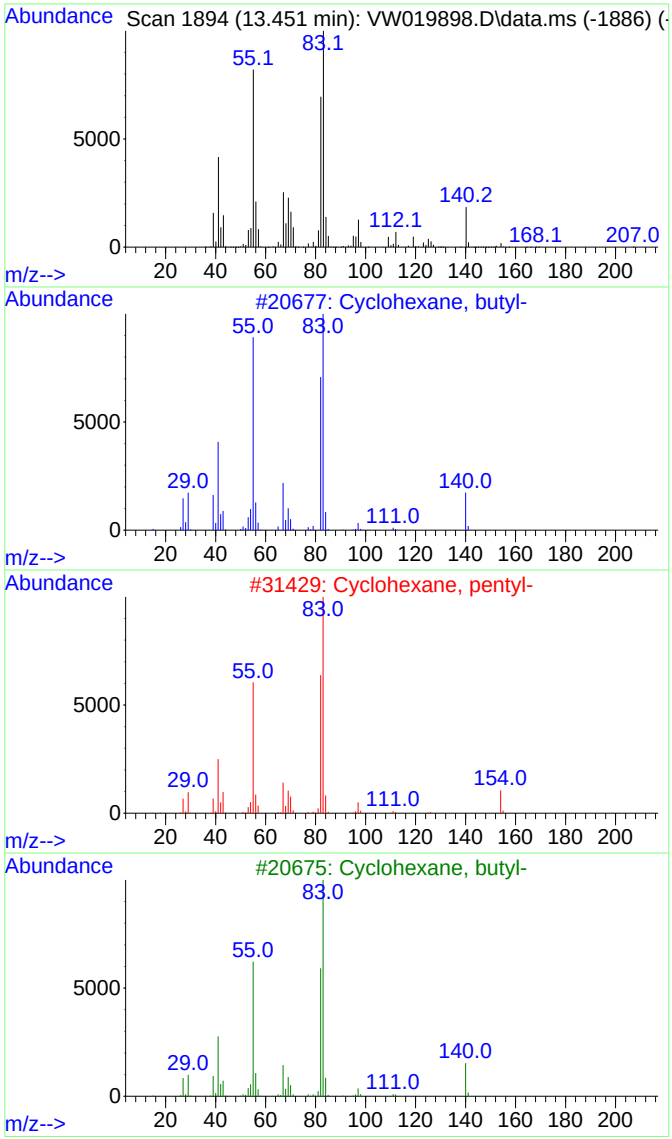
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

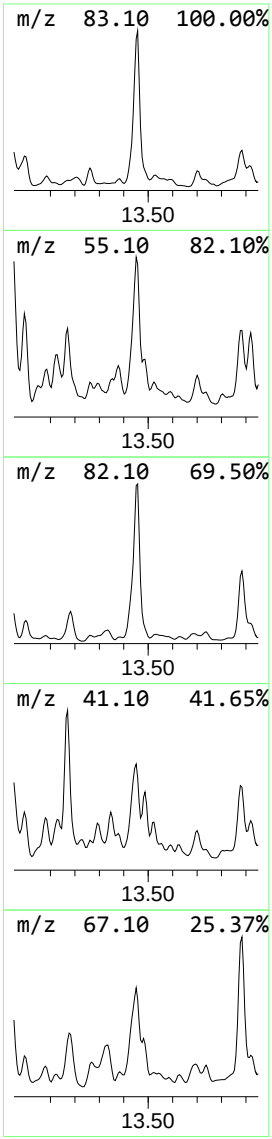
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 56 (DEL) Alkane: Cyclic13.451 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.451	180.53 ug/L	40047800	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	83
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	80
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	80
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7C1

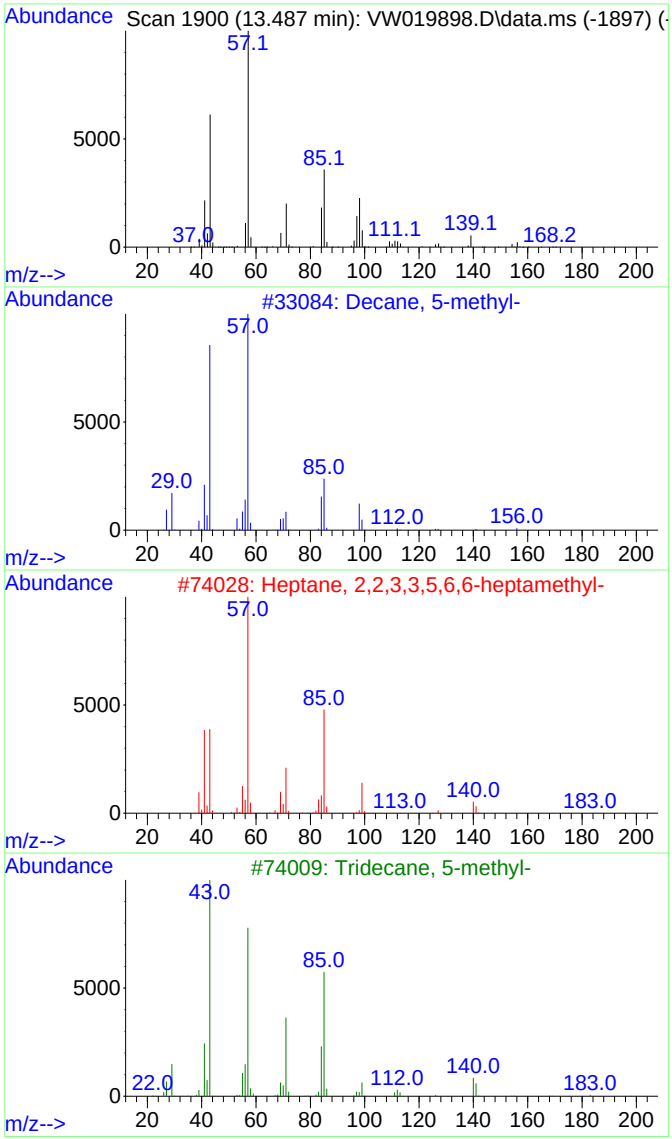
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

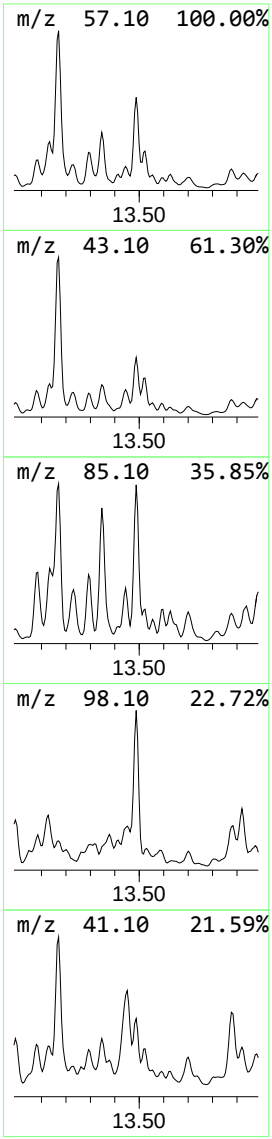
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 57 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.487	70.70 ug/L	15684000	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-methyl-	156	C11H24	013151-35-4	68
2	Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	50
3	Tridecane, 5-methyl-	198	C14H30	025117-31-1	50
4	Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	49
5	Heptane, 2,3,5-trimethyl-	142	C10H22	020278-85-7	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

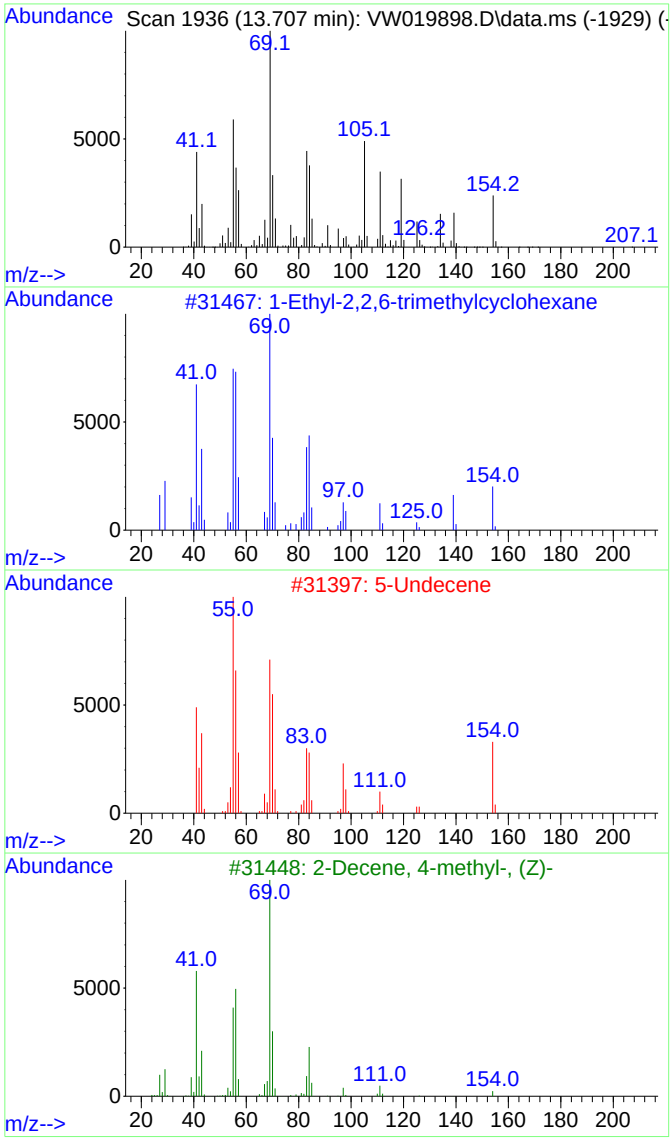
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

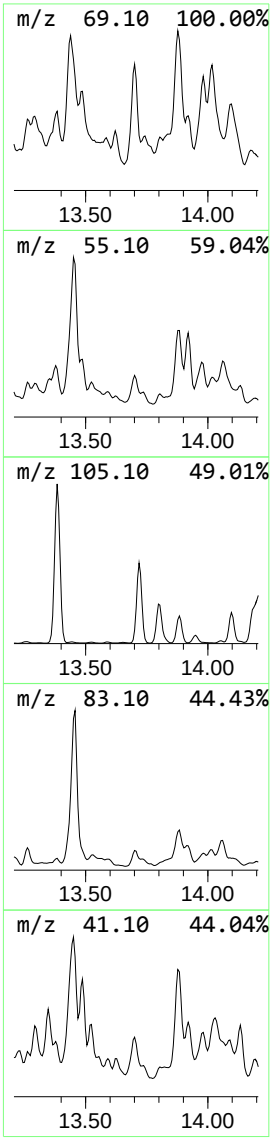
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 58 (DEL) Alkane: Cyclic13.707 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.707	93.34 ug/L	20705800	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	72
2	5-Undecene	154	C11H22	004941-53-1	68
3	2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	49
4	Ketone, 2,2-dimethylcyclohexyl m...	154	C10H18O	017983-26-5	46
5	Heptane, 2-methyl-3-methylene-	126	C9H18	062187-11-5	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

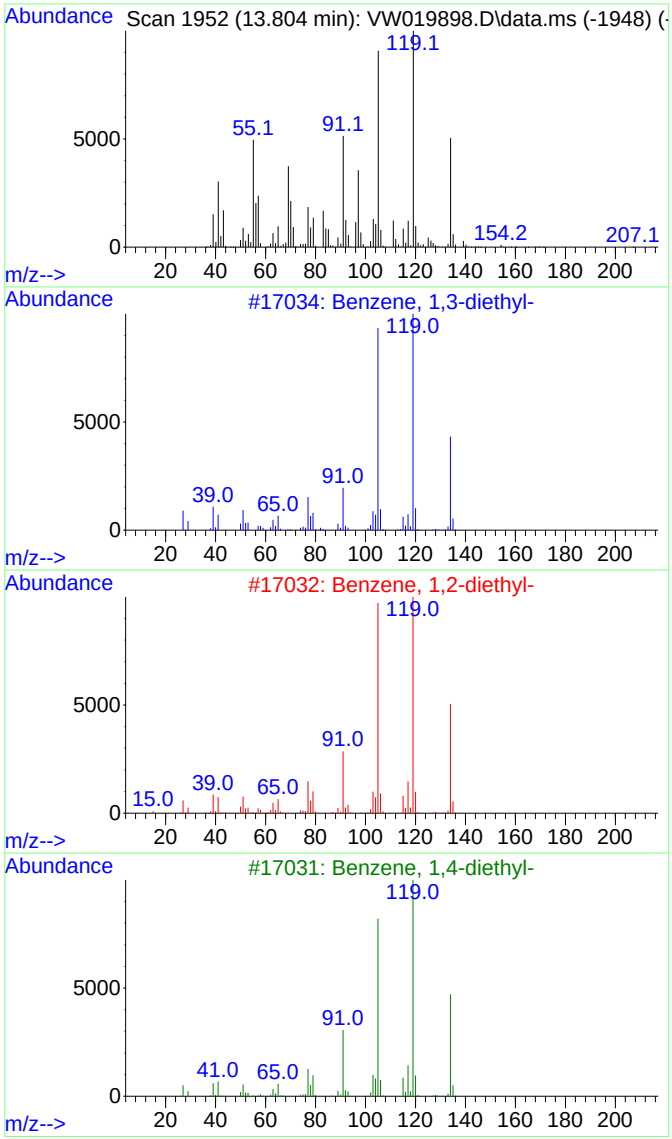
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

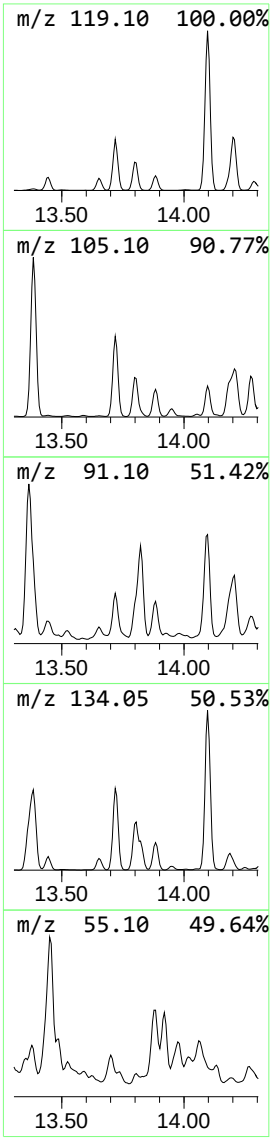
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 59 Benzene, 1,3-diethyl- Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.804	23.77 ug/L	5273830	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	95
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

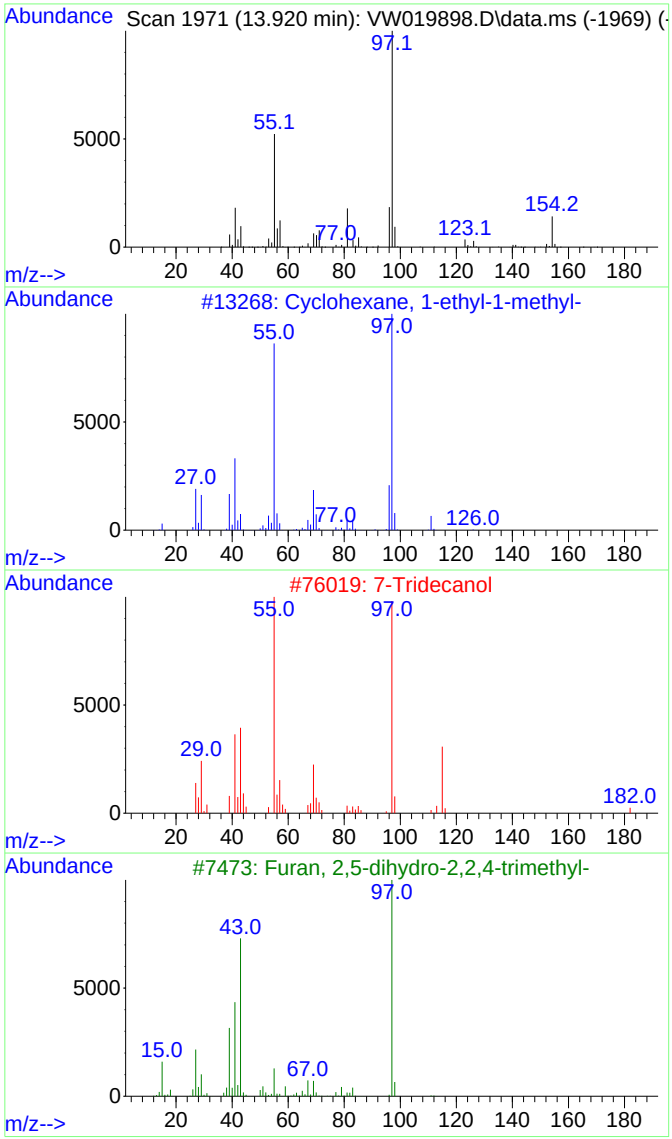
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

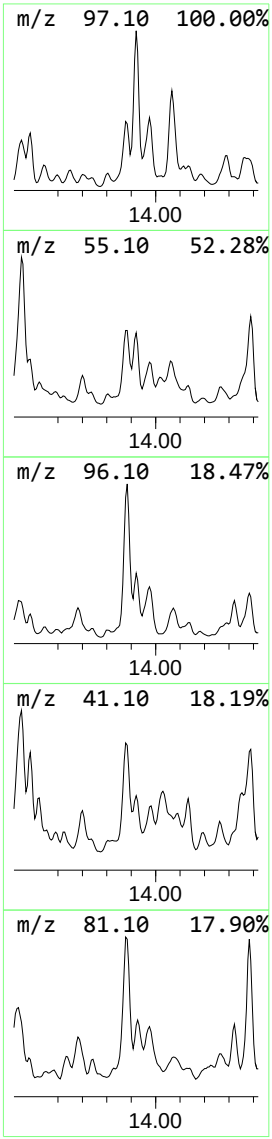
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 60 (DEL) Alkane: Cyclic13.920 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.920	54.56 ug/L	12104100	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	59
2	7-Tridecanol	200	C13H28O	000927-45-7	59
3	Furan, 2,5-dihydro-2,2,4-trimethyl-	112	C7H12O	023230-79-7	47
4	3-Nonanol, 2-methyl-	158	C10H22O	026533-33-5	45
5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

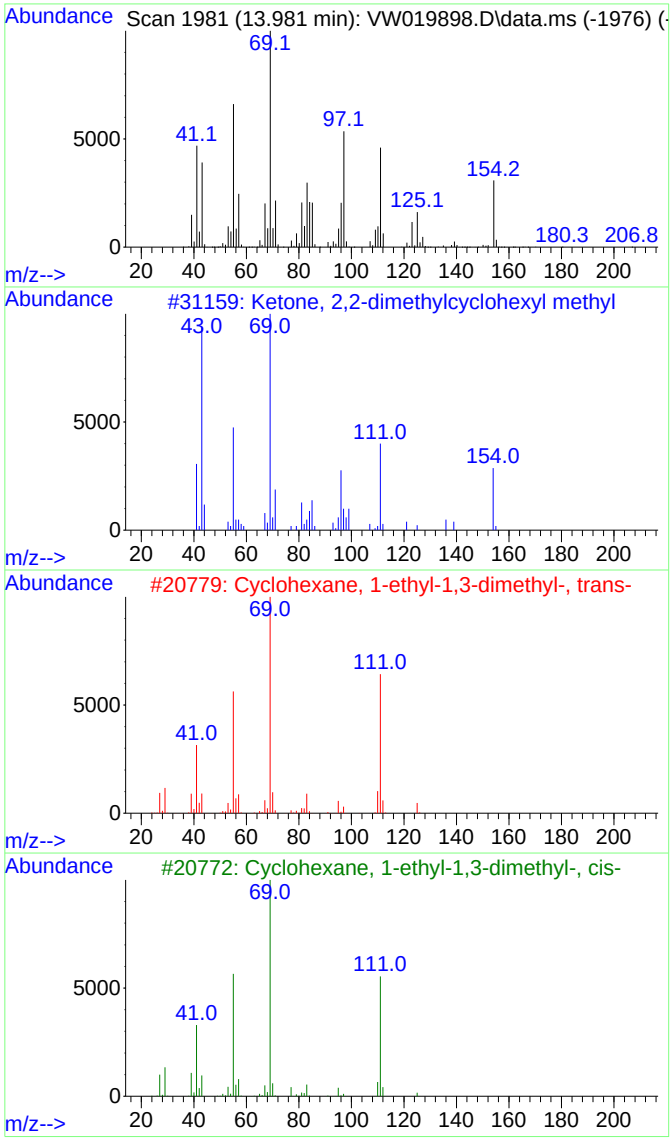
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

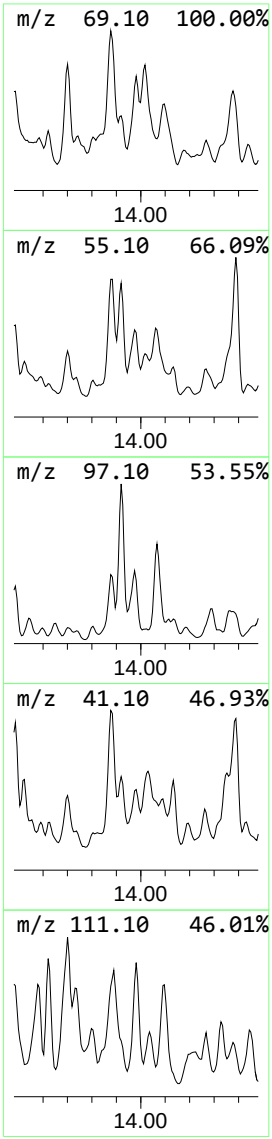
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 61 Ketone, 2,2-dimethylcyclohe... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.981	58.85 ug/L	13054700	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ketone, 2,2-dimethylcyclohexyl m...	154	C10H18O	017983-26-5	50
2	Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-29-3	38
3	Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-31-7	38
4	Cyclooctane, ethyl-	140	C10H20	013152-02-8	38
5	Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

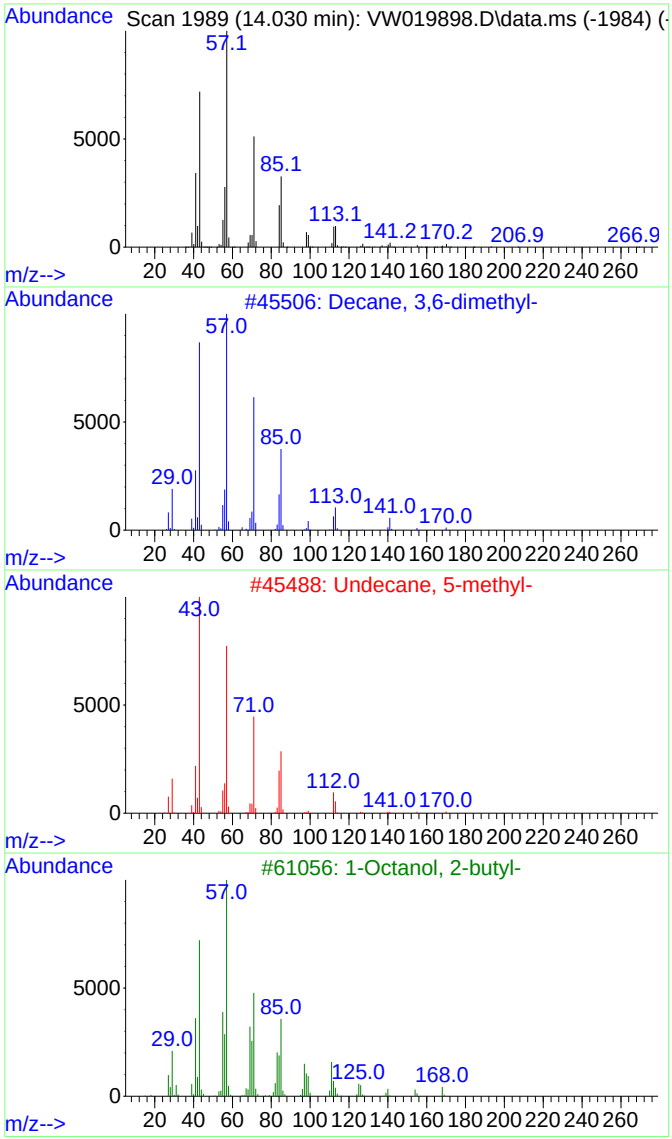
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

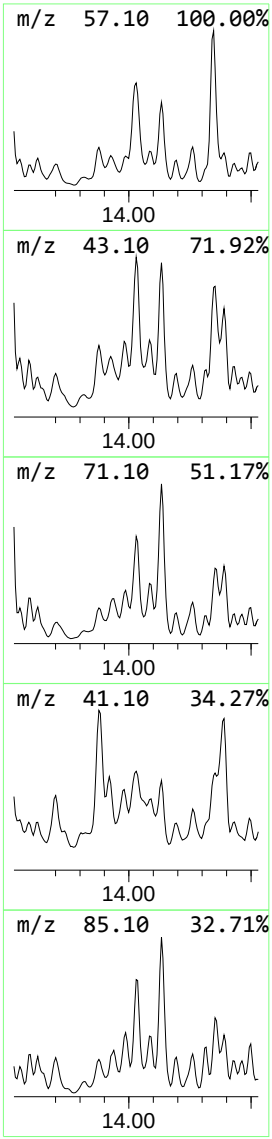
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 62 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.030	80.75 ug/L	17913800	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	93
2	Undecane, 5-methyl-	170	C12H26	001632-70-8	87
3	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	72
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	59
5	Tridecane	184	C13H28	000629-50-5	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

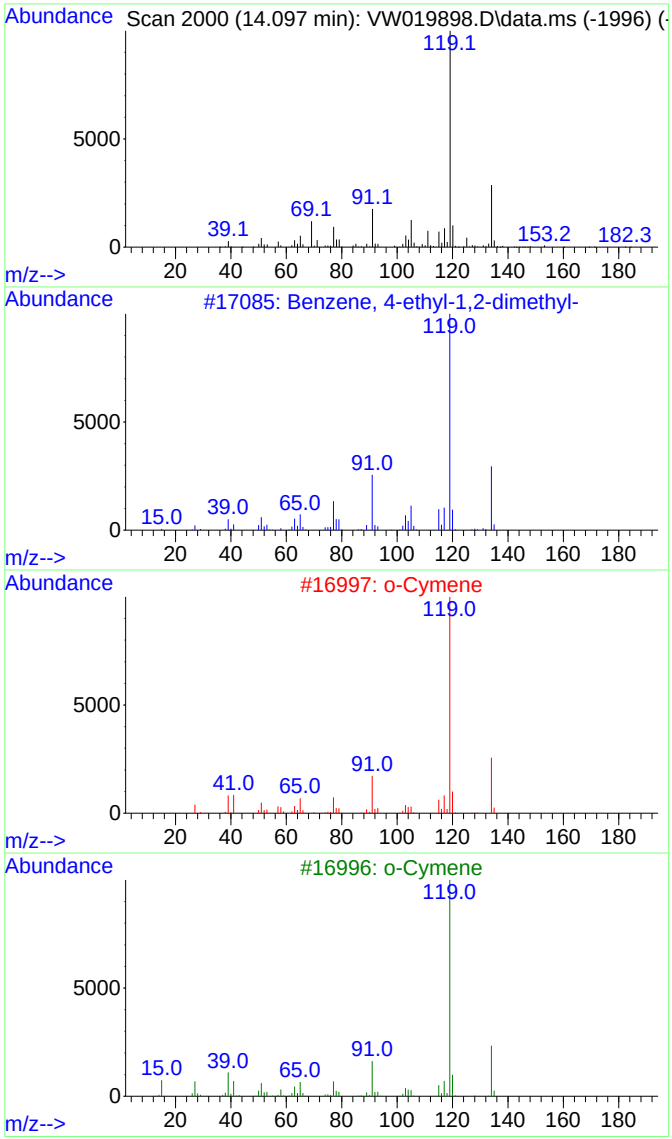
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

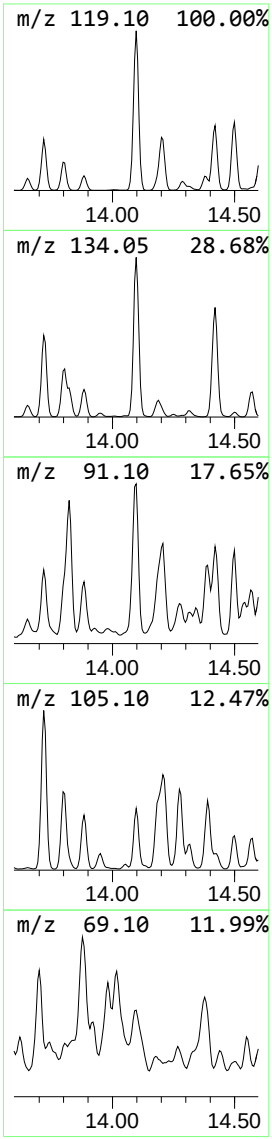
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 63 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.097	79.68 ug/L	17675500	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

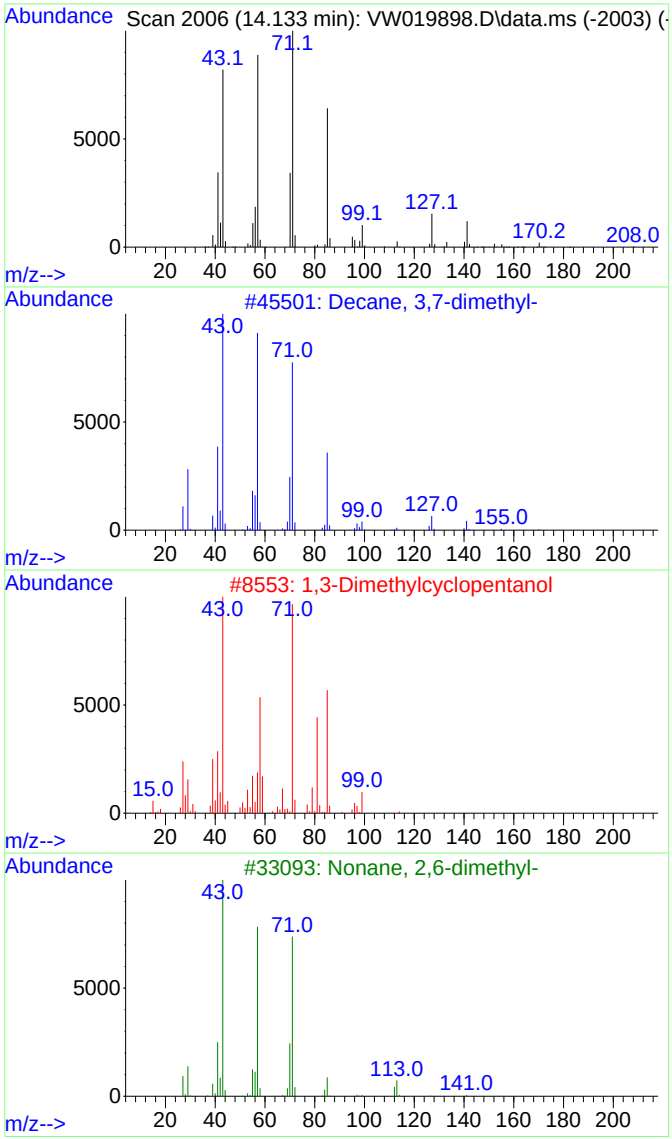
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

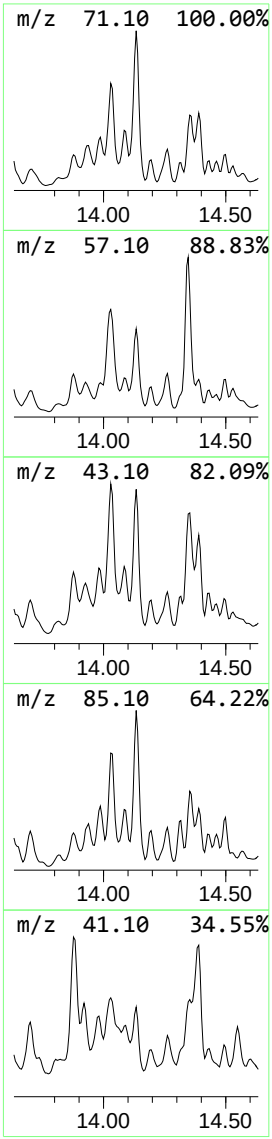
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 64 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.133	42.39 ug/L	9403150	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	94
2	1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	53
3	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	50
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	47
5	Sulfurous acid, isobutyl 2-penty...	208	C9H20O3S	1000309-15-2	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

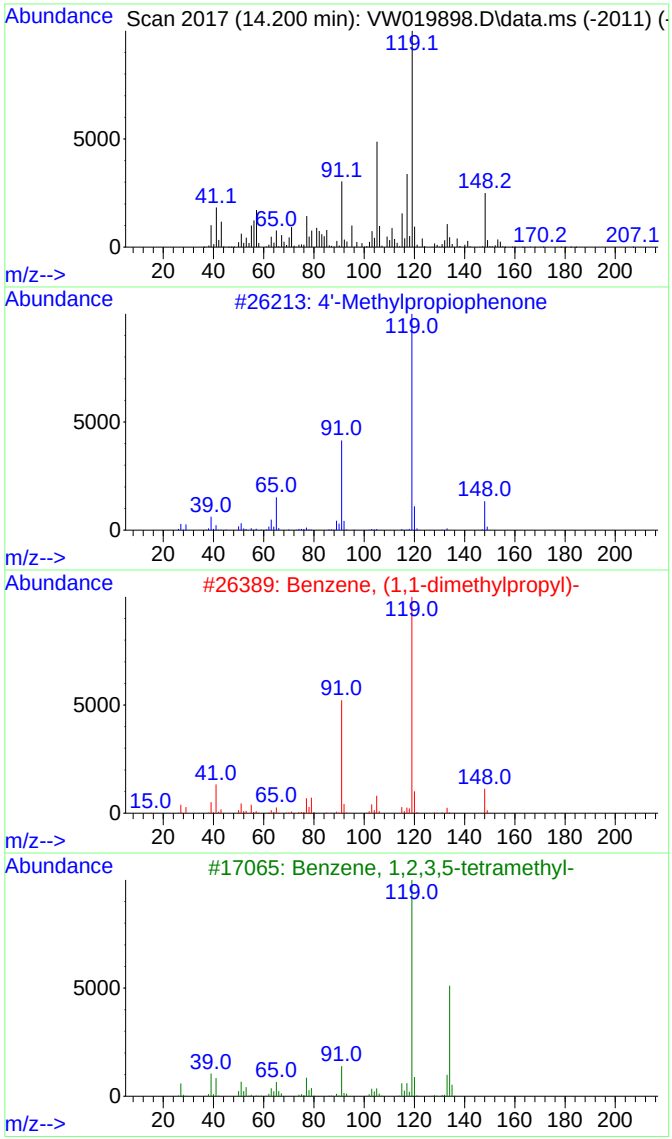
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

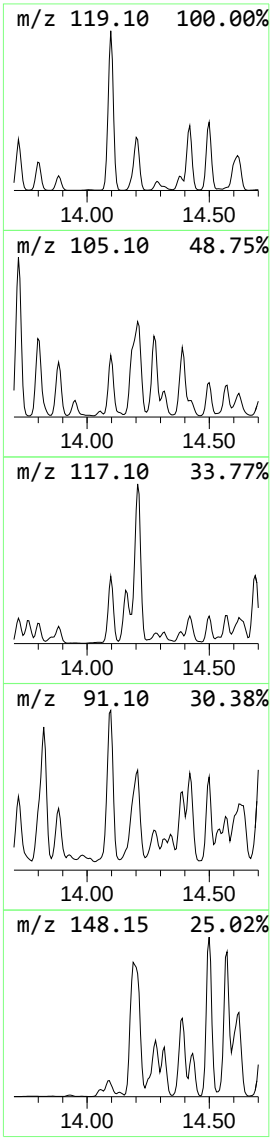
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 65 4'-Methylpropiophenone Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.200	50.25 ug/L	11146700	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4'-Methylpropiophenone	148	C10H12O	005337-93-9	53
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	52
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	49
4	o-Cymene	134	C10H14	000527-84-4	49
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

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

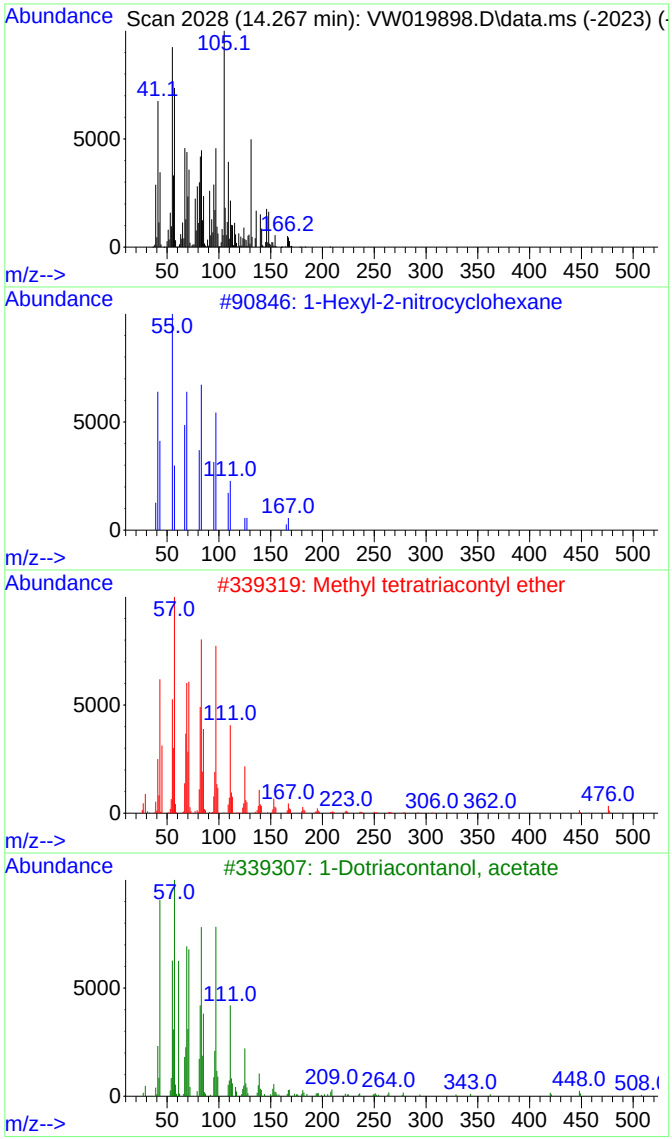
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

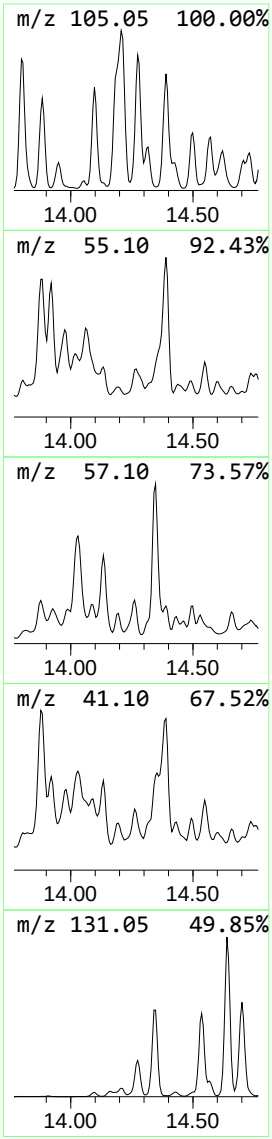
****

Peak Number 66 unknown-07 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.268	38.52 ug/L	8544010	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexyl-2-nitrocyclohexane	213	C12H23NO2	118252-04-3	46
2	Methyl tetratriacontyl ether	509	C35H72O	1000406-30-1	38
3	1-Dotriacontanol, acetate	509	C34H68O2	023811-94-1	38
4	8-Oxabicyclo[5.1.0]octane	112	C7H12O	000286-45-3	35
5	1-Docosene	308	C22H44	001599-67-3	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

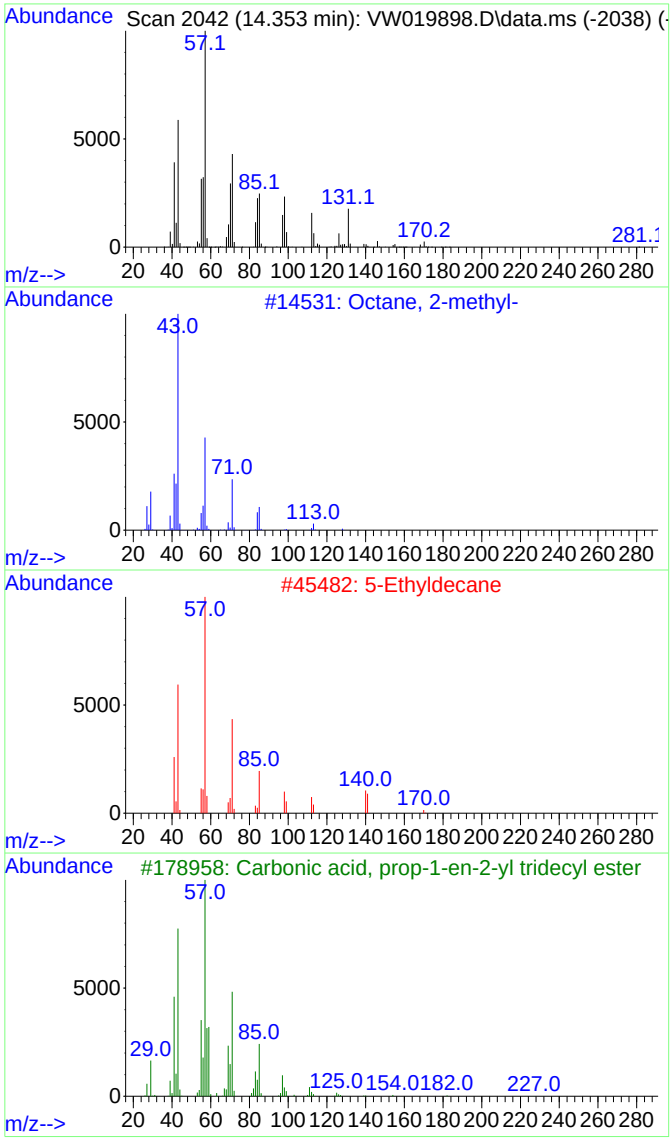
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

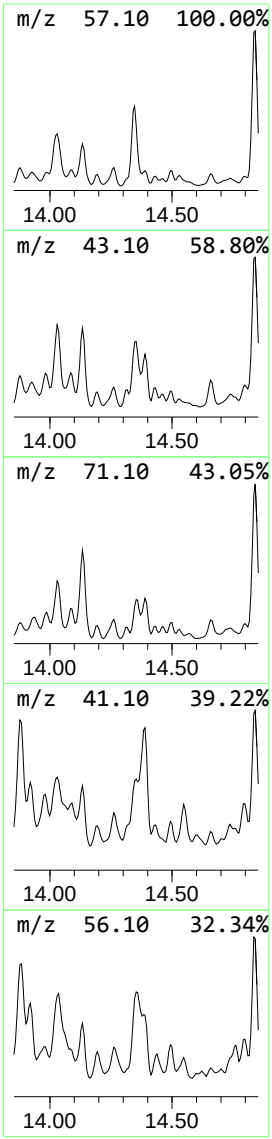
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 67 (DEL) Alkane: Straight-Chai... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.353	30.64 ug/L	6796610	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	52
2	5-Ethyldecane	170	C12H26	017302-36-2	49
3	Carbonic acid, prop-1-en-2-yl tr...	284	C17H32O3	1000382-90-8	47
4	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1010309-37-4	47
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

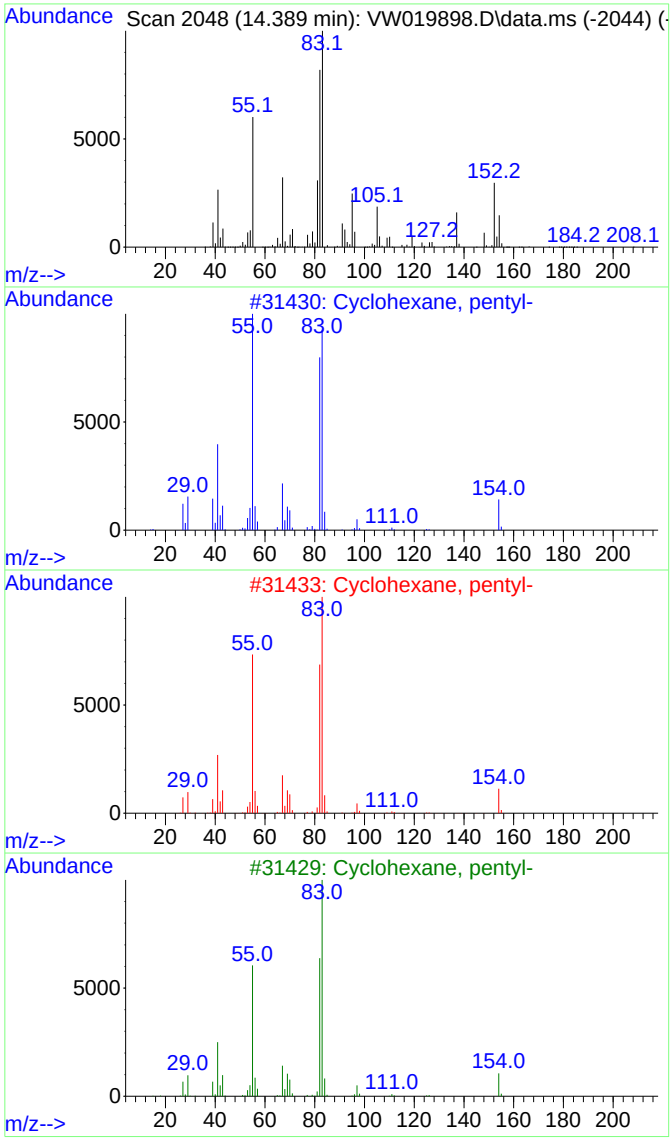
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

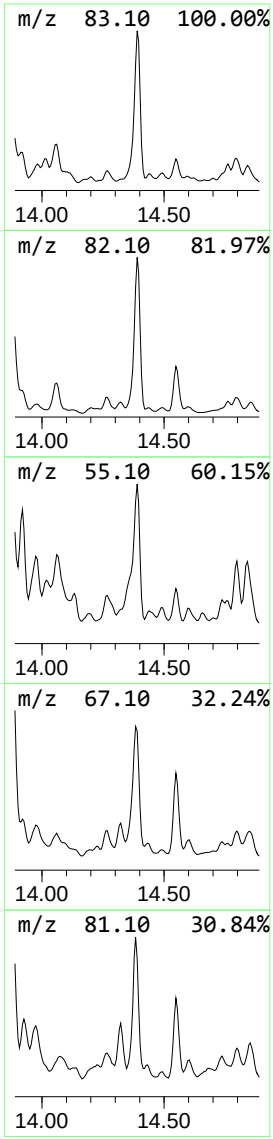
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 68 (DEL) Alkane: Cyclic14.389 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.389	103.17 ug/L	22886000	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	53
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	53
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	53
4	Cyclohexane, nonadecyl-	350	C25H50	022349-03-7	50
5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

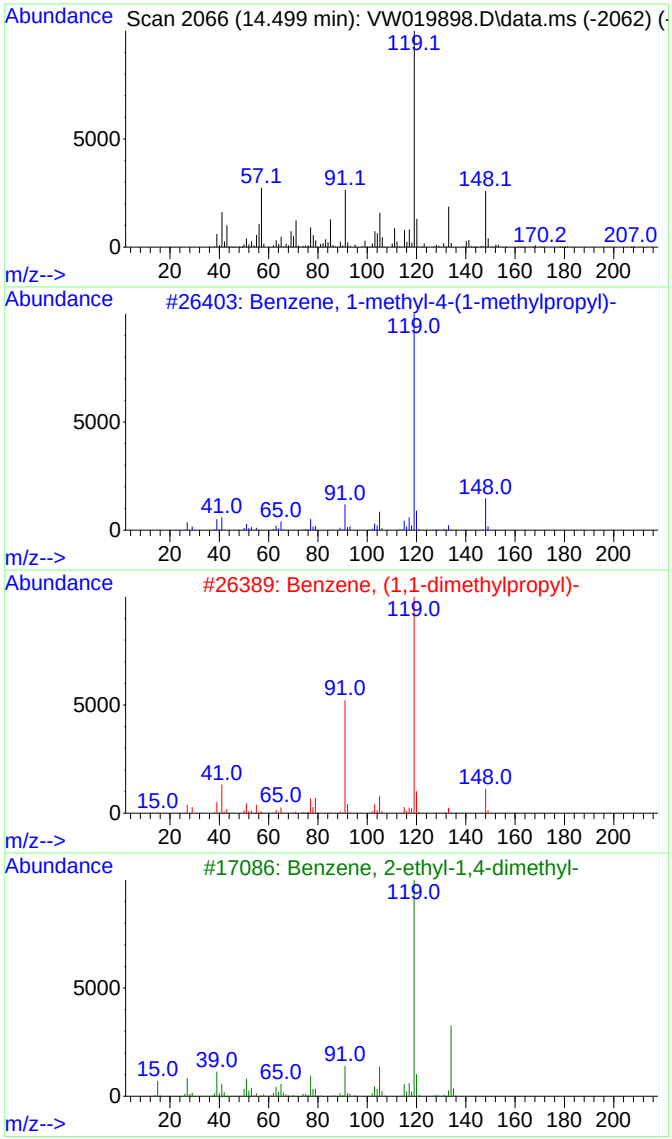
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

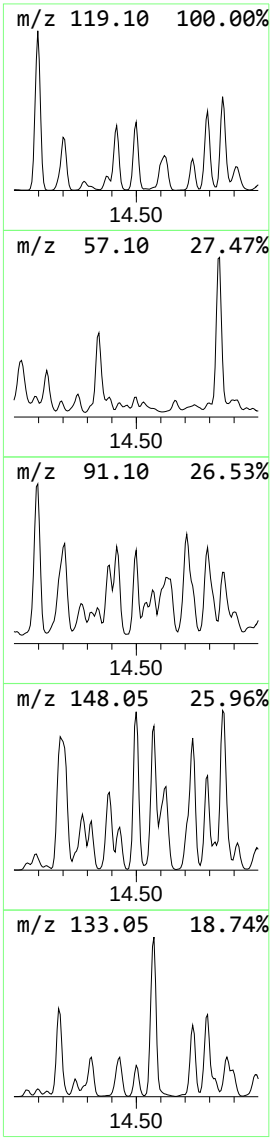
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 69 Benzene, 1-methyl-4-(1-meth... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.499	29.91 ug/L	6634900	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	93
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

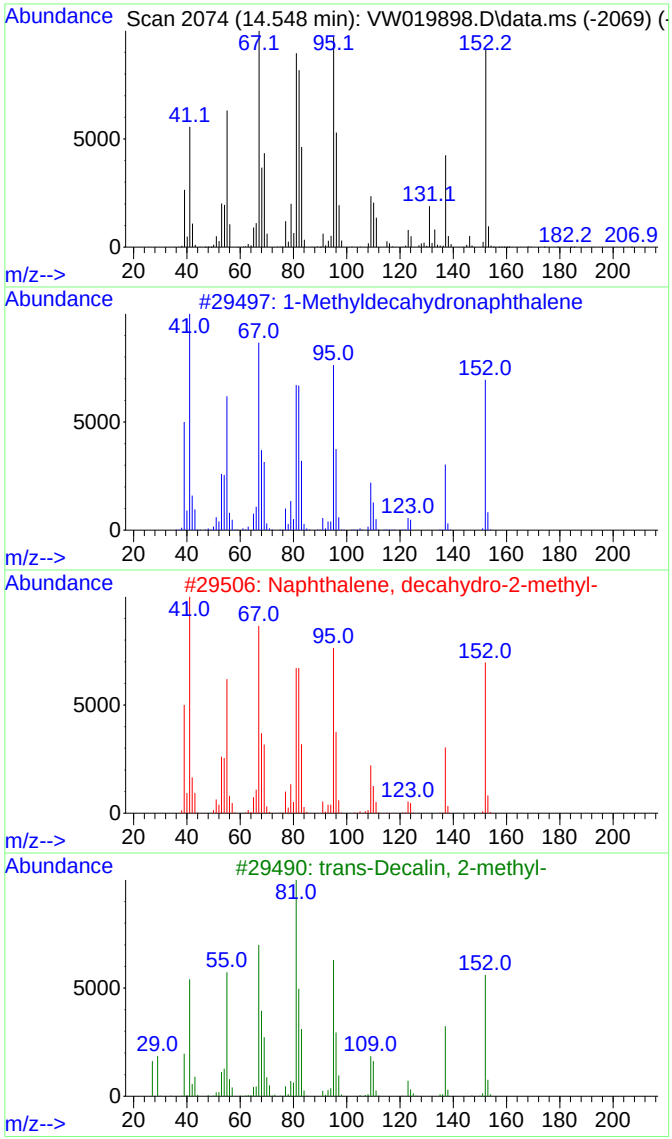
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

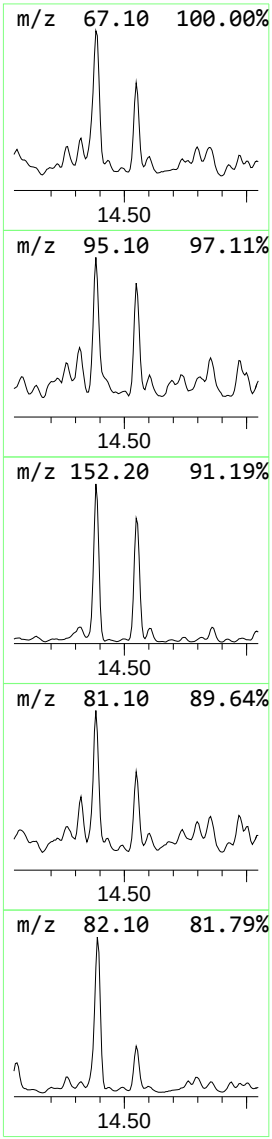
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 70 1-Methyldecahydronaphthalene Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.548	62.02 ug/L	13758400	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	97
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	95
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	90
4	Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	81
5	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

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

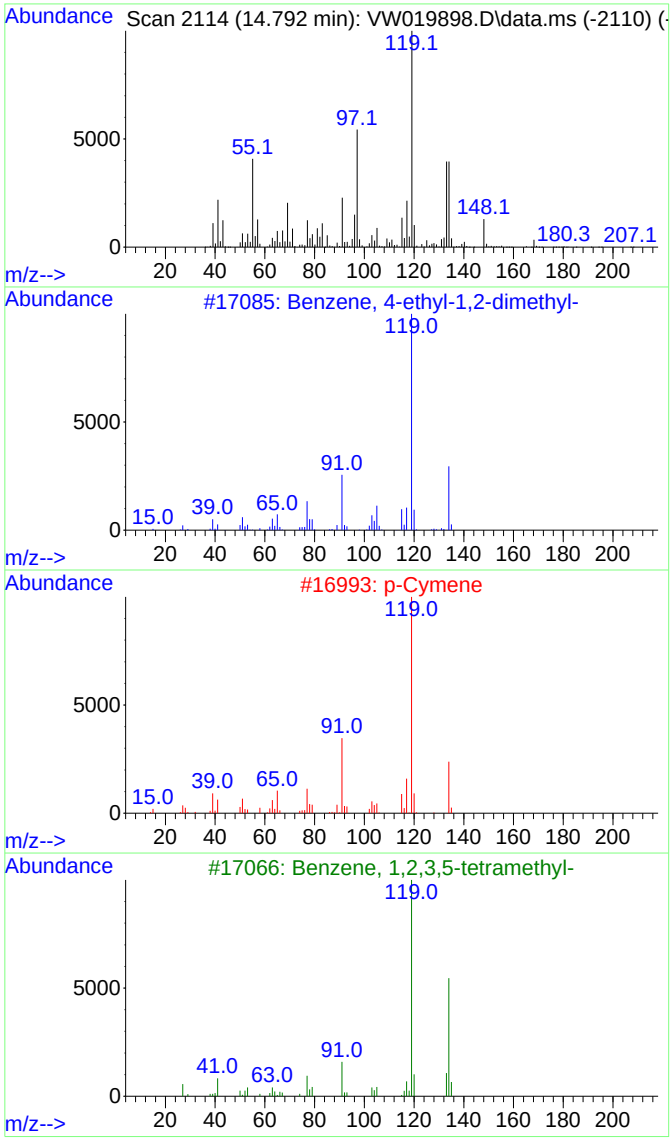
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

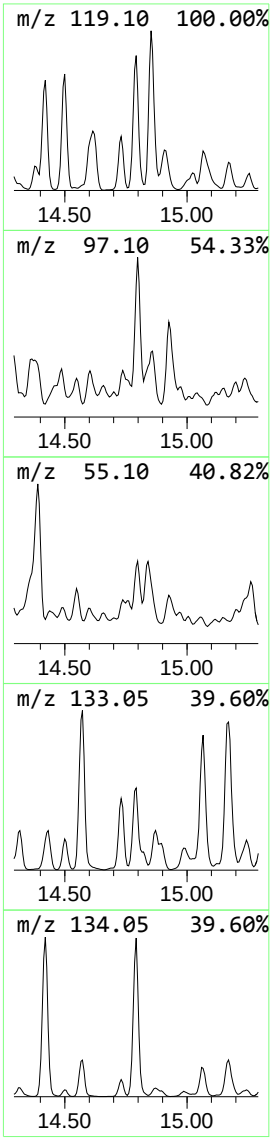
****

Peak Number 72 p-Cymene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.792	72.77 ug/L	16143300	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	86
2	p-Cymene	134	C10H14	000099-87-6	60
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	55
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	55
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7C1

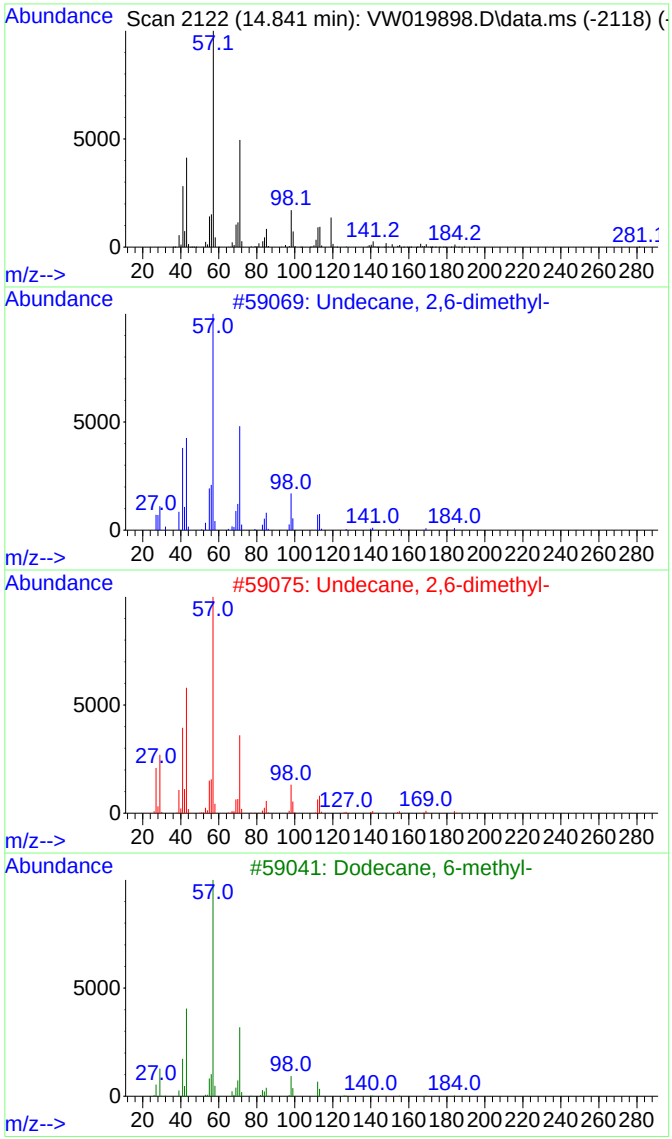
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

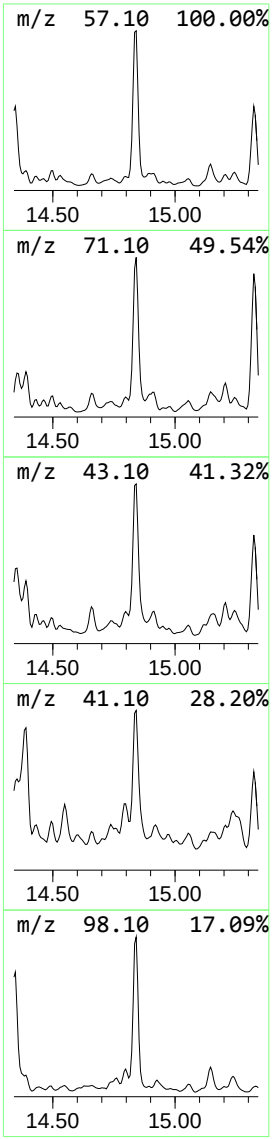
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 73 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.841	143.49 ug/L	31831200	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	94
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	91
3	Dodecane, 6-methyl-	184	C13H28	006044-71-9	86
4	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	64
5	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

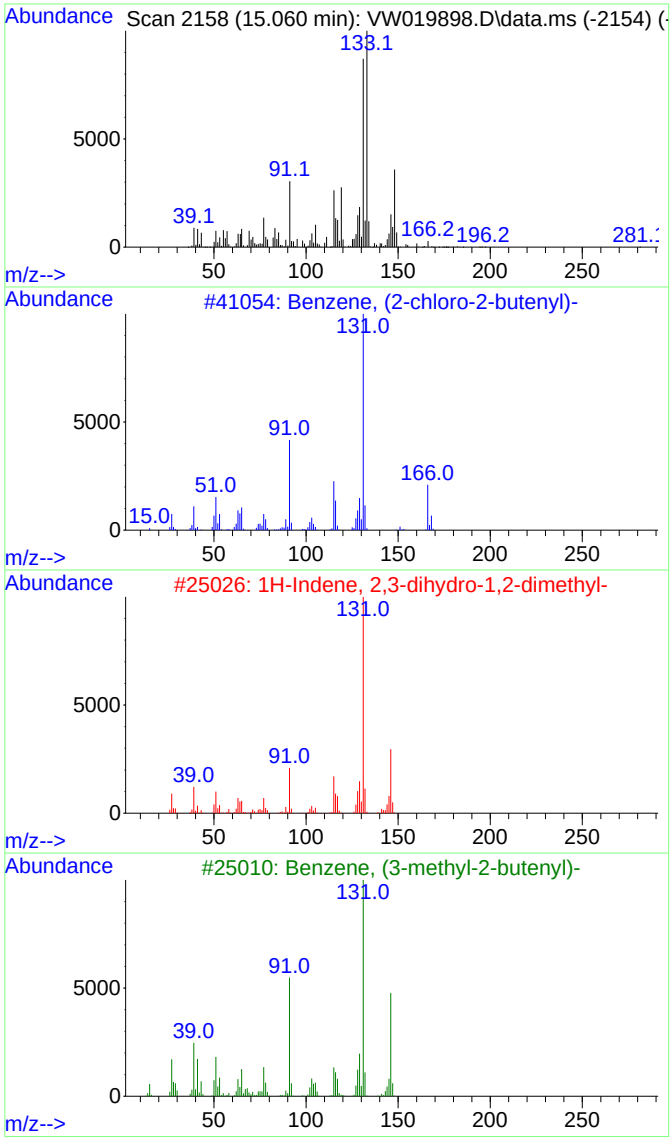
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

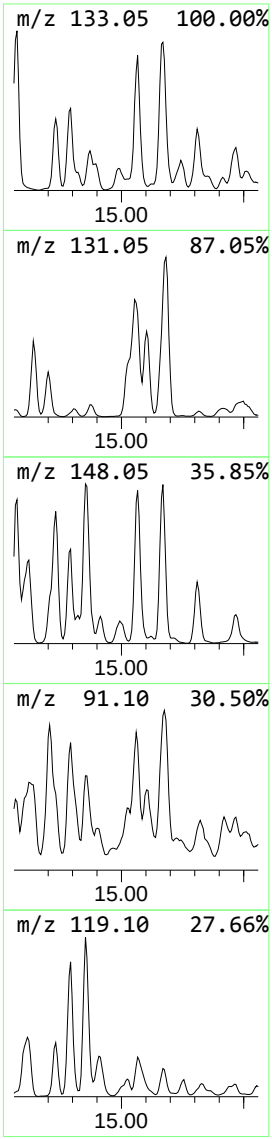
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 74 Benzene, (2-chloro-2-butenyl)- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	45.66 ug/L	10127900	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	84
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	84
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	52
4	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	50
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

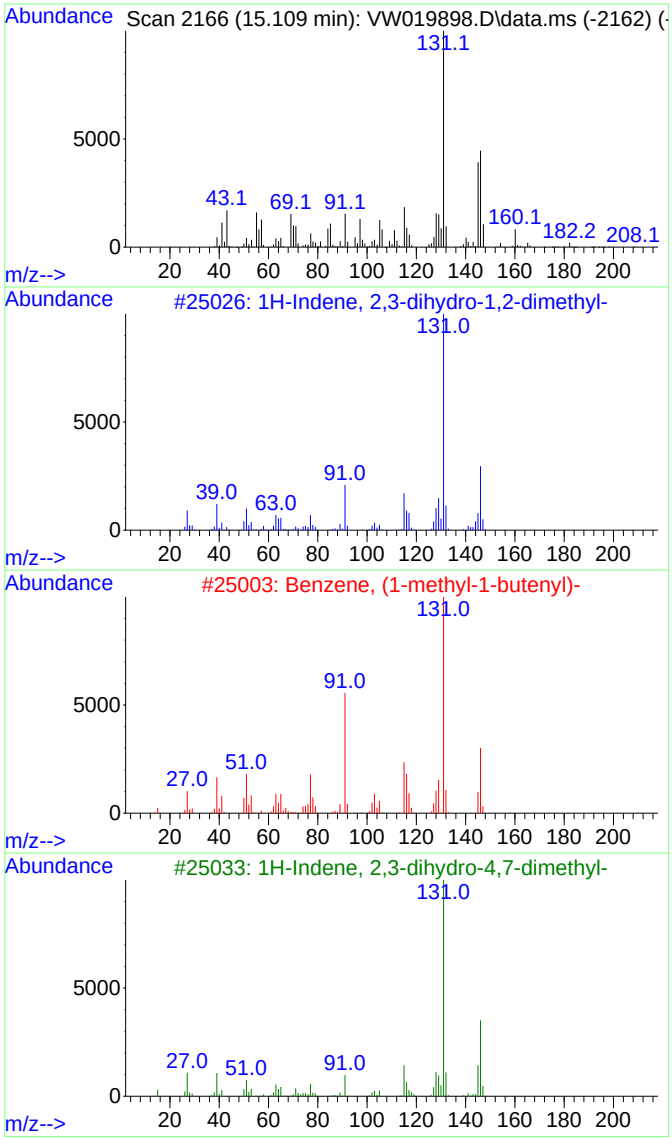
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

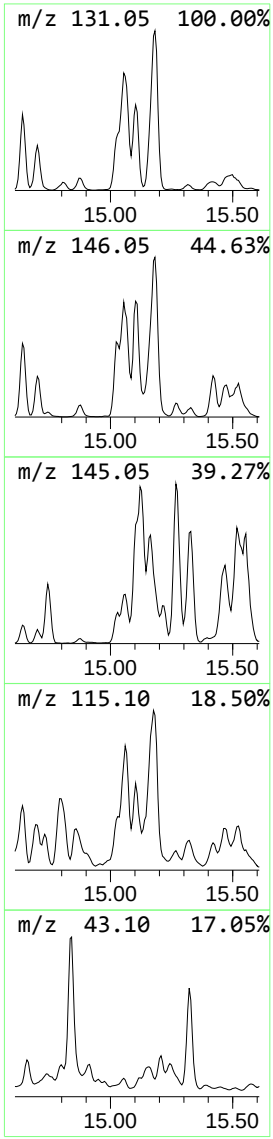
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 75 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.109	18.49 ug/L	4102200	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	76
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	70
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70
5	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

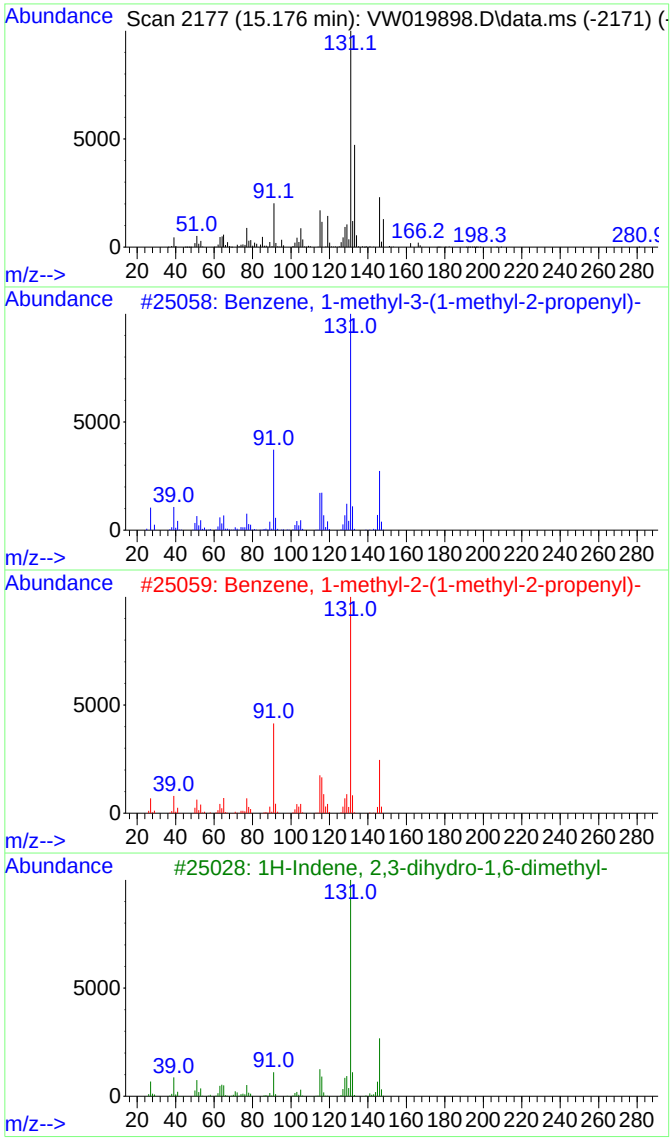
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

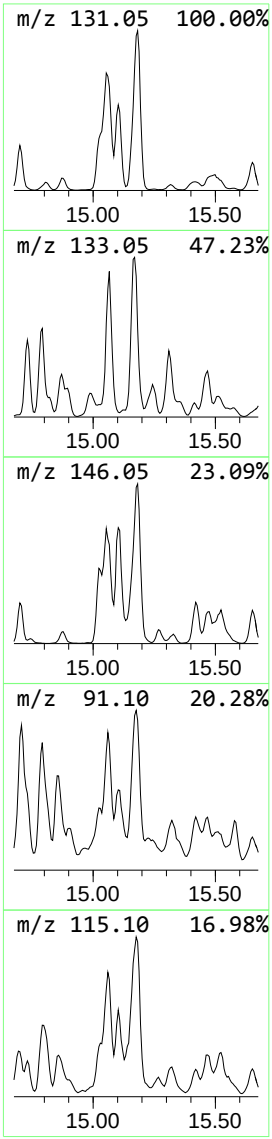
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 76 Benzene, 1-methyl-3-(1-meth... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.176	64.09 ug/L	14217200	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	70
2	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	70
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	64
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

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

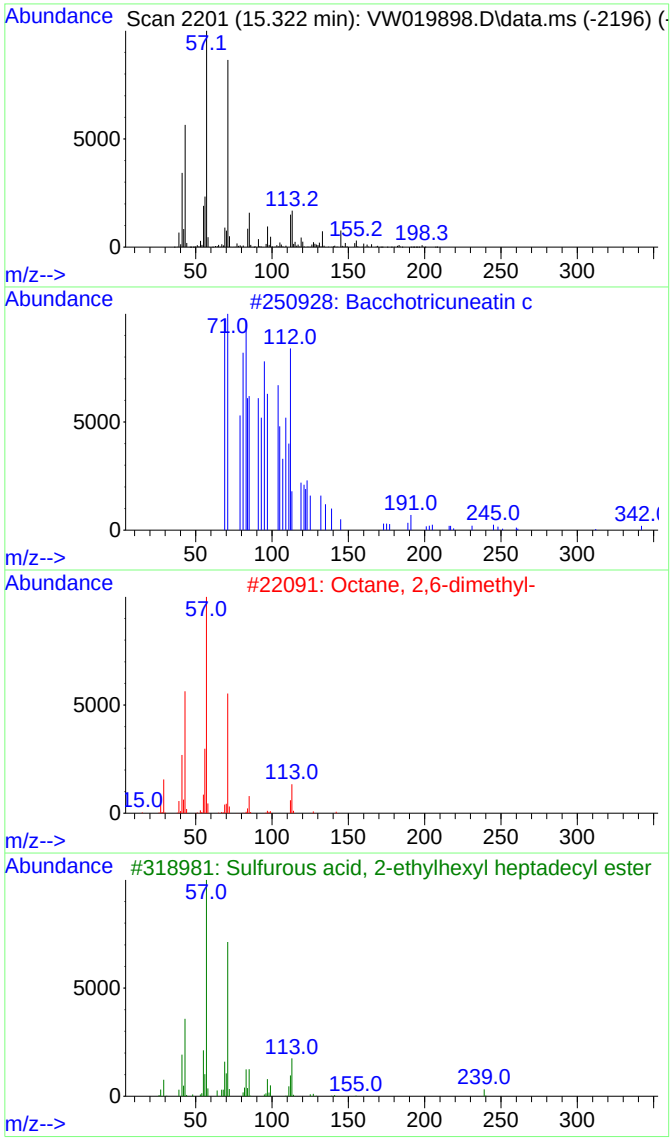
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

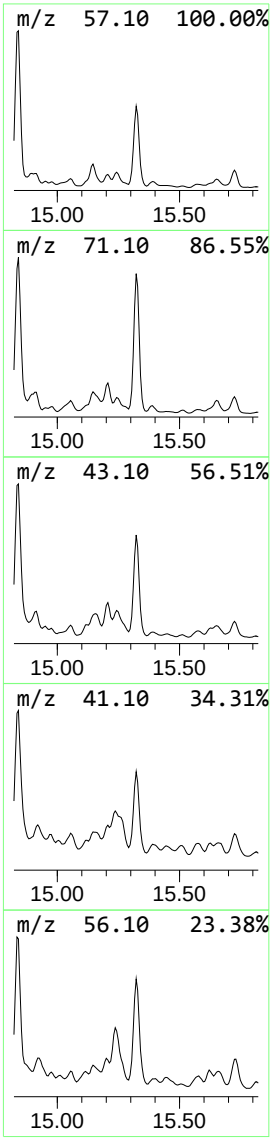
****

Peak Number 77 Bacchotricuneatin c Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	90.11 ug/L	19990500	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	80
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	80
3	Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	72
4	Tridecane, 7-methyl-	198	C14H30	026730-14-3	64
5	Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

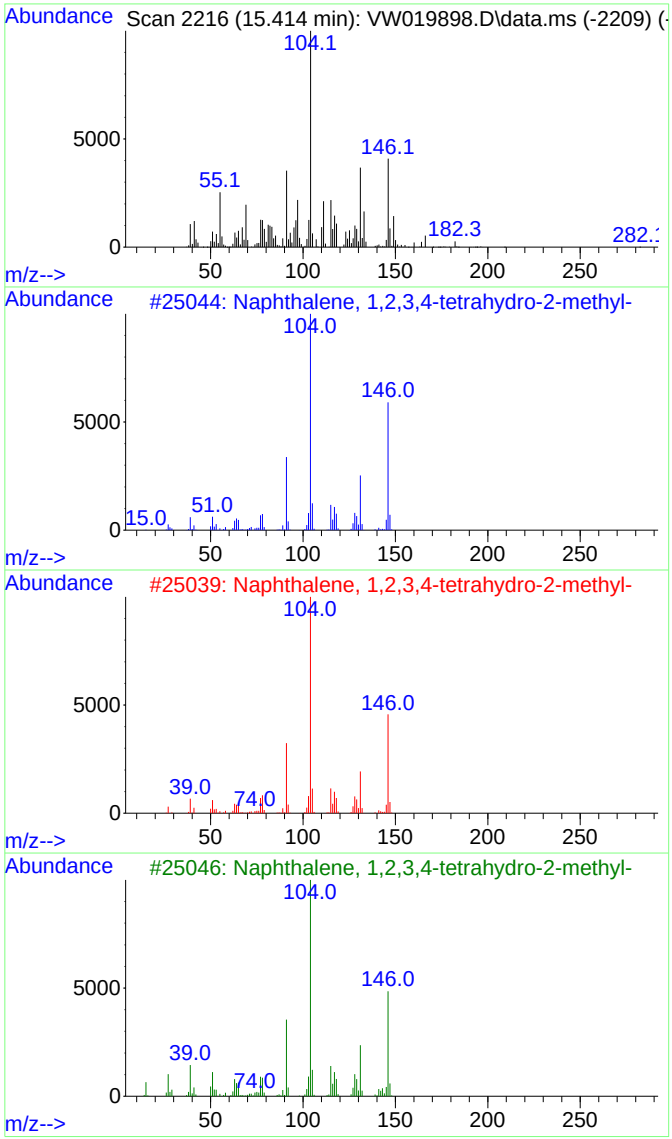
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

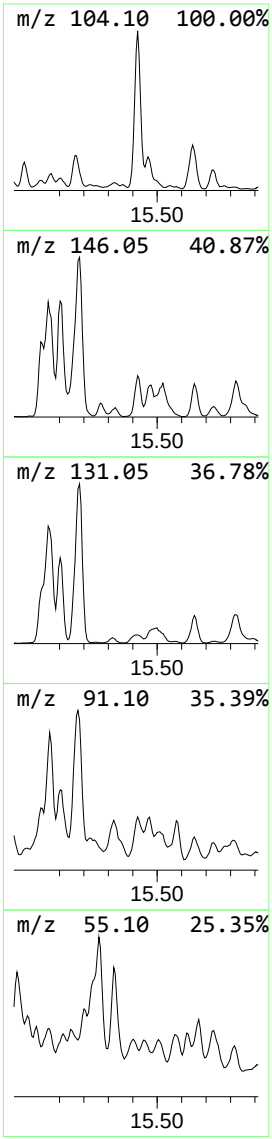
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 78 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.414	20.30 ug/L	4504080	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	70
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	64
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	64
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	58
5	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

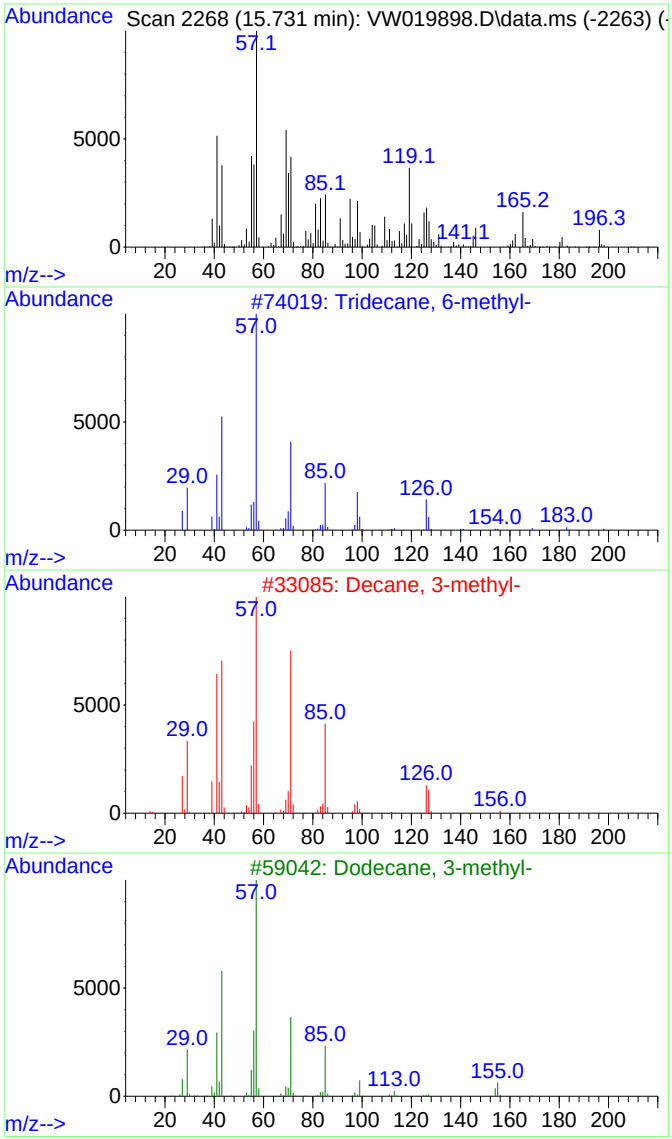
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

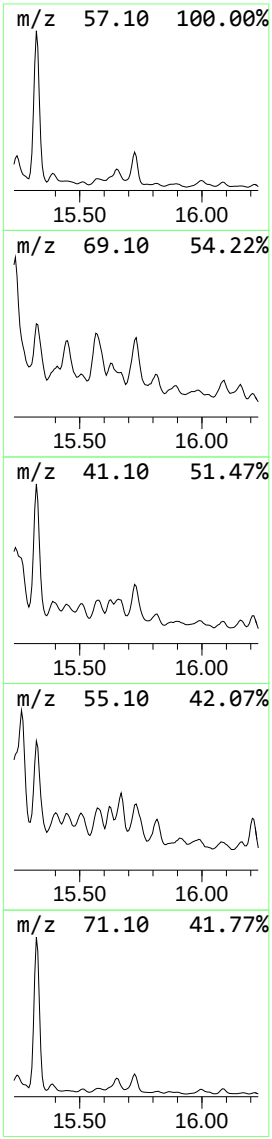
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 79 (DEL) Alkane: Straight-Chai... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.731	23.86 ug/L	5293650	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	87
2	Decane, 3-methyl-	156	C11H24	013151-34-3	47
3	Dodecane, 3-methyl-	184	C13H28	017312-57-1	38
4	Decane, 3-methyl-	156	C11H24	013151-34-3	38
5	3-Tetradecene, (E)-	196	C14H28	041446-68-8	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7C1

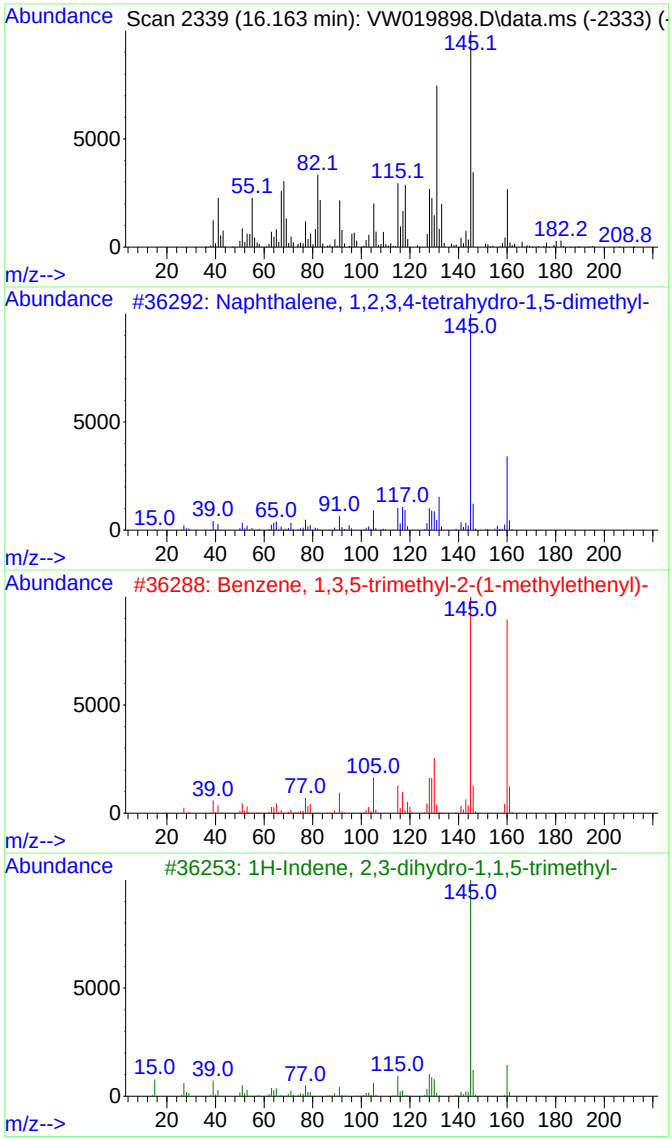
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
Quant Title : SFAM01.0

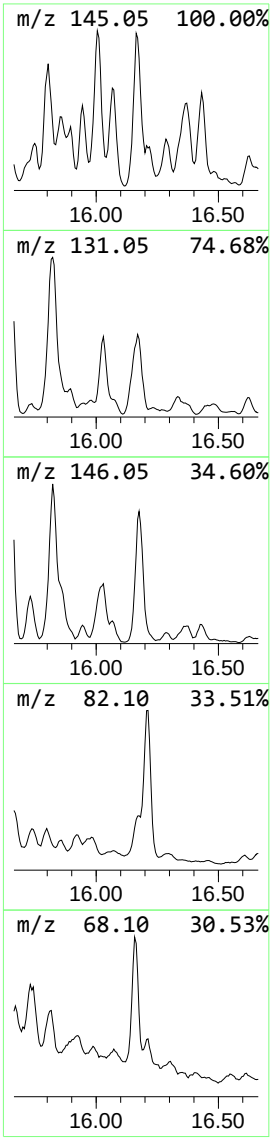
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 80 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.163	14.47 ug/L	3208840	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	53
2	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	49
3	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	46
4	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	45
5	Naphthalene, 6-ethyl-1,2,3,4-tet...	160	C12H16	022531-20-0	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082521\
Data File : VW019898.D
Acq On : 25 Aug 2021 16:49
Operator : SY/VA
Sample : M3526-11
Misc : 6.23g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7C1

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	8.043	38.8	ug/L	23967300	1	8.848	15434900	25.0
(DEL) Alkane: C...	8.439	60.1	ug/L	37139400	1	8.848	15434900	25.0
(DEL) Alkane: C...	8.512	46.1	ug/L	28462000	1	8.848	15434900	25.0
(DEL) Alkane: C...	8.579	25.0	ug/L	15434900	1	8.848	15434900	25.0
Hexane, 1-(hexy...	9.390	19.3	ug/L	11927800	1	8.848	15434900	25.0
(DEL) Alkane: C...	9.616	84.9	ug/L	52398200	1	8.848	15434900	25.0
(DEL) Alkane: C...	9.762	105.4	ug/L	65053400	1	8.848	15434900	25.0
(DEL) Alkane: S...	9.909	19.8	ug/L	12192800	1	8.848	15434900	25.0
(DEL) Alkane: S...	9.951	18.3	ug/L	11284200	1	8.848	15434900	25.0
(DEL) Alkane: S...	10.085	32.0	ug/L	19751800	1	8.848	15434900	25.0
(DEL) Alkane: S...	10.134	13.8	ug/L	8504030	1	8.848	15434900	25.0
(DEL) Alkane: C...	10.244	72.1	ug/L	13105400	2	11.634	4543560	25.0
(DEL) Alkane: C...	10.451	94.3	ug/L	17140800	2	11.634	4543560	25.0
(DEL) Alkane: C...	10.506	345.5	ug/L	62793100	2	11.634	4543560	25.0
(DEL) Alkane: C...	10.671	348.3	ug/L	63307300	2	11.634	4543560	25.0
(DEL) Alkane: C...	10.768	233.2	ug/L	42384000	2	11.634	4543560	25.0
(DEL) Alkane: S...	10.854	68.0	ug/L	12355400	2	11.634	4543560	25.0
(DEL) Alkane: S...	11.042	156.7	ug/L	28478500	2	11.634	4543560	25.0
(DEL) Alkane: C...	11.116	71.5	ug/L	12996300	2	11.634	4543560	25.0
(DEL) Alkane: C...	11.152	78.4	ug/L	14243800	2	11.634	4543560	25.0
(DEL) Alkane: C...	11.183	190.8	ug/L	34680000	2	11.634	4543560	25.0
(DEL) Alkane: C...	11.238	495.6	ug/L	90069500	2	11.634	4543560	25.0
unknown-01	11.292	48.3	ug/L	8771950	2	11.634	4543560	25.0
unknown-02	11.341	235.2	ug/L	42750100	2	11.634	4543560	25.0
(DEL) Alkane: S...	11.390	33.3	ug/L	6057870	2	11.634	4543560	25.0
(DEL) Alkane: C...	11.439	189.8	ug/L	34485900	2	11.634	4543560	25.0
(DEL) Alkane: S...	11.512	65.1	ug/L	11832600	2	11.634	4543560	25.0
(DEL) Alkane: C...	11.561	36.2	ug/L	6574280	2	11.634	4543560	25.0
Pentalene, octa...	11.731	60.0	ug/L	10912800	2	11.634	4543560	25.0
(DEL) Alkane: C...	11.768	67.0	ug/L	12172900	2	11.634	4543560	25.0
(DEL) Alkane: C...	11.811	150.4	ug/L	27329200	2	11.634	4543560	25.0
(DEL) Alkane: C...	11.878	228.6	ug/L	41541000	2	11.634	4543560	25.0
(DEL) Alkane: C...	11.920	158.0	ug/L	28713600	2	11.634	4543560	25.0
(DEL) Alkane: S...	11.981	59.2	ug/L	10755200	2	11.634	4543560	25.0
(DEL) Alkane: S...	12.061	87.5	ug/L	15899100	2	11.634	4543560	25.0
(DEL) Alkane: C...	12.140	305.0	ug/L	55433000	2	11.634	4543560	25.0
unknown-03	12.201	28.3	ug/L	5138200	2	11.634	4543560	25.0
(DEL) Alkane: S...	12.256	240.3	ug/L	43681800	2	11.634	4543560	25.0
1H-Indene, octa...	12.347	312.2	ug/L	56733800	2	11.634	4543560	25.0
(DEL) Alkane: S...	12.371	498.2	ug/L	90538300	2	11.634	4543560	25.0
(DEL) Alkane: C...	12.457	47.8	ug/L	8688780	2	11.634	4543560	25.0
Isobutyl 2-meth...	12.512	192.0	ug/L	34891600	2	11.634	4543560	25.0
(DEL) Alkane: S...	12.542	185.6	ug/L	33734000	2	11.634	4543560	25.0
(DEL) Alkane: S...	12.621	43.1	ug/L	9561100	3	13.560	5545890	25.0
(DEL) Alkane: C...	12.786	178.5	ug/L	39594700	3	13.560	5545890	25.0
(DEL) Alkane: C...	12.859	88.9	ug/L	19725700	3	13.560	5545890	25.0
(DEL) Alkane: C...	12.938	256.9	ug/L	56988000	3	13.560	5545890	25.0
Cyclopentane, 1...	12.993	71.4	ug/L	15842300	3	13.560	5545890	25.0
(DEL) Alkane: S...	13.079	81.4	ug/L	18066700	3	13.560	5545890	25.0
unknown-04	13.127	43.8	ug/L	9706170	3	13.560	5545890	25.0
(DEL) Alkane: S...	13.170	208.7	ug/L	46298000	3	13.560	5545890	25.0
unknown-05	13.268	14.1	ug/L	3124110	3	13.560	5545890	25.0

(DEL) Alkane: S...	13.292	37.1	ug/L	8236150	3	13.560	5545890	25.0
(DEL) Alkane: S...	13.347	51.3	ug/L	11384000	3	13.560	5545890	25.0
unknown-06	13.384	39.4	ug/L	8744890	3	13.560	5545890	25.0
(DEL) Alkane: C...	13.451	180.5	ug/L	40047800	3	13.560	5545890	25.0
(DEL) Alkane: S...	13.487	70.7	ug/L	15684000	3	13.560	5545890	25.0
(DEL) Alkane: C...	13.707	93.3	ug/L	20705800	3	13.560	5545890	25.0
Benzene, 1,3-di...	13.804	23.8	ug/L	5273830	3	13.560	5545890	25.0
(DEL) Alkane: C...	13.920	54.6	ug/L	12104100	3	13.560	5545890	25.0
Ketone, 2,2-dim...	13.981	58.9	ug/L	13054700	3	13.560	5545890	25.0
(DEL) Alkane: S...	14.030	80.8	ug/L	17913800	3	13.560	5545890	25.0
Benzene, 4-ethy...	14.097	79.7	ug/L	17675500	3	13.560	5545890	25.0
(DEL) Alkane: S...	14.133	42.4	ug/L	9403150	3	13.560	5545890	25.0
4'-Methylpropio...	14.200	50.3	ug/L	11146700	3	13.560	5545890	25.0
unknown-07	14.268	38.5	ug/L	8544010	3	13.560	5545890	25.0
(DEL) Alkane: S...	14.353	30.6	ug/L	6796610	3	13.560	5545890	25.0
(DEL) Alkane: C...	14.389	103.2	ug/L	22886000	3	13.560	5545890	25.0
Benzene, 1-meth...	14.499	29.9	ug/L	6634900	3	13.560	5545890	25.0
1-Methyldecahyd...	14.548	62.0	ug/L	13758400	3	13.560	5545890	25.0
p-Cymene	14.792	72.8	ug/L	16143300	3	13.560	5545890	25.0
(DEL) Alkane: S...	14.841	143.5	ug/L	31831200	3	13.560	5545890	25.0
Benzene, (2-chl...	15.060	45.7	ug/L	10127900	3	13.560	5545890	25.0
1H-Indene, 2,3-...	15.109	18.5	ug/L	4102200	3	13.560	5545890	25.0
Benzene, 1-meth...	15.176	64.1	ug/L	14217200	3	13.560	5545890	25.0
Bacchotricuneat...	15.322	90.1	ug/L	19990500	3	13.560	5545890	25.0
Naphthalene, 1,...	15.414	20.3	ug/L	4504080	3	13.560	5545890	25.0
(DEL) Alkane: S...	15.731	23.9	ug/L	5293650	3	13.560	5545890	25.0
Naphthalene, 1,...	16.163	14.5	ug/L	3208840	3	13.560	5545890	25.0

Instrument :
MSVOA_W
ClientSampleId :
EW7C1