LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

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\SFAMWLM092121SMA.M
Title : SFAM01.0

Signal : TIC: VW020197.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.251	49	57	62	rBV2	5903	19843	0.26%	0.058%
2	2.361	69	75	86	rVB	98666	190774	2.48%	0.558%
3	2.507	94	99	104	rBV2	7257	14779	0.19%	0.043%
4	2.898	156	163	180	rVB	74893	192170	2.50%	0.562%
5	3.397	239	245	255	rVB4	1911	4657	0.06%	0.014%
6	4.025	336	348	360	rBV2	133576	408062	5.30%	1.193%
7	4.141	360	367	389	rVB	21320	70292	0.91%	0.206%
8	4.385	401	407	416	rBV3	1870	6056	0.08%	0.018%
9	4.922	484	495	515	rBV2	23135	84214	1.09%	0.246%
10	5.440	572	580	591	rVB8	1306	4177	0.05%	0.012%
11	5.793	626	638	651	rBV4	6841	22528	0.29%	0.066%
12	5.952	654	664	673	rVV4	3666	11578	0.15%	0.034%
13	6.994	827	835	842	rVB5	4190	11418	0.15%	0.033%
14	7.086	842	850	859	rBV	18263	56146	0.73%	0.164%
15	7.653	932	943	955	rVV	211018	509050	6.62%	1.489%
16	7.958	984	993	1002	rBV4	9232	24497	0.32%	0.072%
17	8.037	1002	1006	1014	rVB3	2837	6462	0.08%	0.019%
18	8.159	1021	1026	1032	rBV5	2715	6180	0.08%	0.018%
19	8.281	1032	1046	1064	rVV2	391876	1147660	14.92%	3.356%
20	8.439	1064	1072	1078	rVV4	9754	23501	0.31%	0.069%
21	8.506	1078	1083	1089	rVV5	8501	20410	0.27%	0.060%
22	8.573	1089	1094	1105	rVB2	16292	37487	0.49%	0.110%
23	8.848	1130	1139	1150	rBV	491190	951925	12.37%	2.784%
24	9.153	1184	1189	1195	rVB3	1980	4122	0.05%	0.012%
25	9.274	1199	1209	1215	rBV	258057	580051	7.54%	1.696%
26	9.335	1215	1219	1225	rVB	144527	275966	3.59%	0.807%
27	9.518	1243	1249	1254	rVV	18548	32693	0.42%	0.096%
28	9.610	1254	1264	1277	rVB2	64699	148758	1.93%	0.435%
29	9.750	1279	1287	1299	rBV2	93539	190901	2.48%	0.558%
30	9.854	1299	1304	1305	rBV3	1735	2267	0.03%	0.007%
31	9.896	1305	1311	1316	rBV	39421	79210	1.03%	0.232%
32	9.945	1316	1319	1324	rVB3	20997	34631	0.45%	0.101%
33	10.037	1329	1334	1338	rBV	117079	208988	2.72%	0.611%
34	10.079	1338	1341	1346	rVB2	59036	95374	1.24%	0.279%
35	10.128	1346	1349	1357	rVB	51580	93506	1.22%	0.273%
36	10.244	1357	1368	1373	rBV4	35034	101533	1.32%	0.297%

LSC Area Percent Report

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Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

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\SFAMWLM092121SMA.M
Title : SFAM01.0

37	10.323	1373	1381	1396	rBV	1116334	2336710	30.37%	6.833%
38	10.445	1396	1401	1404	rBV	59919	102321	1.33%	0.299%
39	10.500	1404	1410	1418	rVB4	256213	671587	8.73%	1.964%
40	10.585	1418	1424	1427	rBV2	91666	183726	2.39%	0.537%
41	10.664	1432	1437	1446	rVB	643175	1139332	14.81%	3.332%
42	10.762	1446	1453	1459	rBV2	281482	581943	7.56%	1.702%
43	10.847	1463	1467	1472	rVB	88197	142552	1.85%	0.417%
44	10.933	1472	1481	1487	rBV3	216206	447995	5.82%	1.310%
45	11.000	1488	1492	1493	rBV	37051	48828	0.63%	0.143%
46	11.036	1494	1498	1506	rVB	109410	214271	2.78%	0.627%
47	11.109	1506	1510	1513	rBV2	139245	234647	3.05%	0.686%
48	11.177	1513	1521	1526	rBV	843220	1538301	19.99%	4.499%
49	11.231	1526	1530	1535	rVB	638485	1044831	13.58%	3.055%
50	11.286	1535	1539	1543	rBV	108317	141061	1.83%	0.413%
51	11.335	1543	1547	1552	rVB2	201397	320387	4.16%	0.937%
52	11.384	1552	1555	1559	rVB2	42764	57368	0.75%	0.168%
53	11.439	1559	1564	1571	rVB	291998	525176	6.83%	1.536%
54	11.512	1571	1576	1580	rBV2	31147	57058	0.74%	0.167%
55	11.561	1580	1584	1590	rVB4	35830	60809	0.79%	0.178%
56	11.634	1590	1596	1605	rBV	551989	993983	12.92%	2.907%
57	11.725	1605	1611	1615	rBV	425837	720527	9.36%	2.107%
58	11.762	1615	1617	1621	rVB	96814	120374	1.56%	0.352%
59	11.847	1621	1631	1633	rBV	310764	597709	7.77%	1.748%
60	11.975	1648	1652	1657	rVB2	31136	50210	0.65%	0.147%
61	12.042	1657	1663	1671	rVB	114852	209799	2.73%	0.614%
62	12.140	1671	1679	1684	rBV2	143747	323201	4.20%	0.945%
63	12.195	1685	1688	1701	rVB3	77979	199124	2.59%	0.582%
64	12.298	1701	1705	1707	rBV2	46485	70459	0.92%	0.206%
65	12.341	1707	1712	1717	rBV	197484	316739	4.12%	0.926%
66	12.615	1752	1757	1762	rVB5	15392	29175	0.38%	0.085%
67	12.695	1763	1770	1776	rBV	182926	311897	4.05%	0.912%
68	12.780	1780	1784	1791	rVB4	58879	109171	1.42%	0.319%
69	12.859	1791	1797	1800	rBV5	16235	37353	0.49%	0.109%
70	12.938	1801	1810	1816	rVB7	30700	90633	1.18%	0.265%
71	13.103	1830	1837	1844	rBV	721879	1109956	14.43%	3.246%
72	13.176	1845	1849	1855	rVV4	25679	59753	0.78%	0.175%
73	13.249	1855	1861	1872	rVV	5075682	7694060	100.00%	22.500%
74	13.365	1875	1880	1886	rVV	60703	101718	1.32%	0.297%
75	13.444	1888	1893	1897	rVB2	15714	33193	0.43%	0.097%
76	13.560	1905	1912	1913	rBV	327515	469736	6.11%	1.374%

LSC Area Percent Report

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Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

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\SFAMWLM092121SMA.M
Title : SFAM01.0

77	13.585	1914	1916	1923	rVV	464415	610016	7.93%	1.784%
78	13.652	1923	1927	1931	rVV	27649	48839	0.63%	0.143%
79	13.719	1934	1938	1939	rVV	33988	49866	0.65%	0.146%
80	13.755	1939	1944	1949	rVV	859631	1386045	18.01%	4.053%
81	13.798	1949	1951	1955	rVV	216389	272745	3.54%	0.798%
82	13.853	1955	1960	1970	rVV2	214801	510433	6.63%	1.493%
83	13.950	1970	1976	1981	rVV	165862	269813	3.51%	0.789%
84	14.011	1981	1986	1988	rVV	189241	300653	3.91%	0.879%
85	14.036	1988	1990	1995	rVV	168137	253992	3.30%	0.743%
86	14.097	1995	2000	2006	rVV	274383	416687	5.42%	1.219%
87	14.158	2006	2010	2013	rVV	34074	53889	0.70%	0.158%
88	14.207	2013	2018	2024	rVB2	101733	170385	2.21%	0.498%
89	14.274	2024	2029	2033	rBV7	11462	23224	0.30%	0.068%
90	14.335	2034	2039	2044	rVV2	52009	83142	1.08%	0.243%
91	14.420	2044	2053	2056	rVV	107327	194634	2.53%	0.569%
92	14.456	2056	2059	2064	rVB	124600	165417	2.15%	0.484%
93	14.688	2092	2097	2102	rBV3	25291	44377	0.58%	0.130%
94	14.804	2108	2116	2122	rBV2	52158	121184	1.58%	0.354%
95	14.853	2122	2124	2131	rVB5	4980	7225	0.09%	0.021%
96	14.956	2137	2141	2145	rBV3	3611	5613	0.07%	0.016%
97	15.066	2153	2159	2170	rVV8	4354	12862	0.17%	0.038%
98	15.170	2170	2176	2183	rVV8	3127	6549	0.09%	0.019%
99	15.438	2211	2220	2225	rBV3	7988	14844	0.19%	0.043%
100	15.487	2225	2228	2235	rVV5	1964	3277	0.04%	0.010%

Sum of corrected areas: 34195250

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
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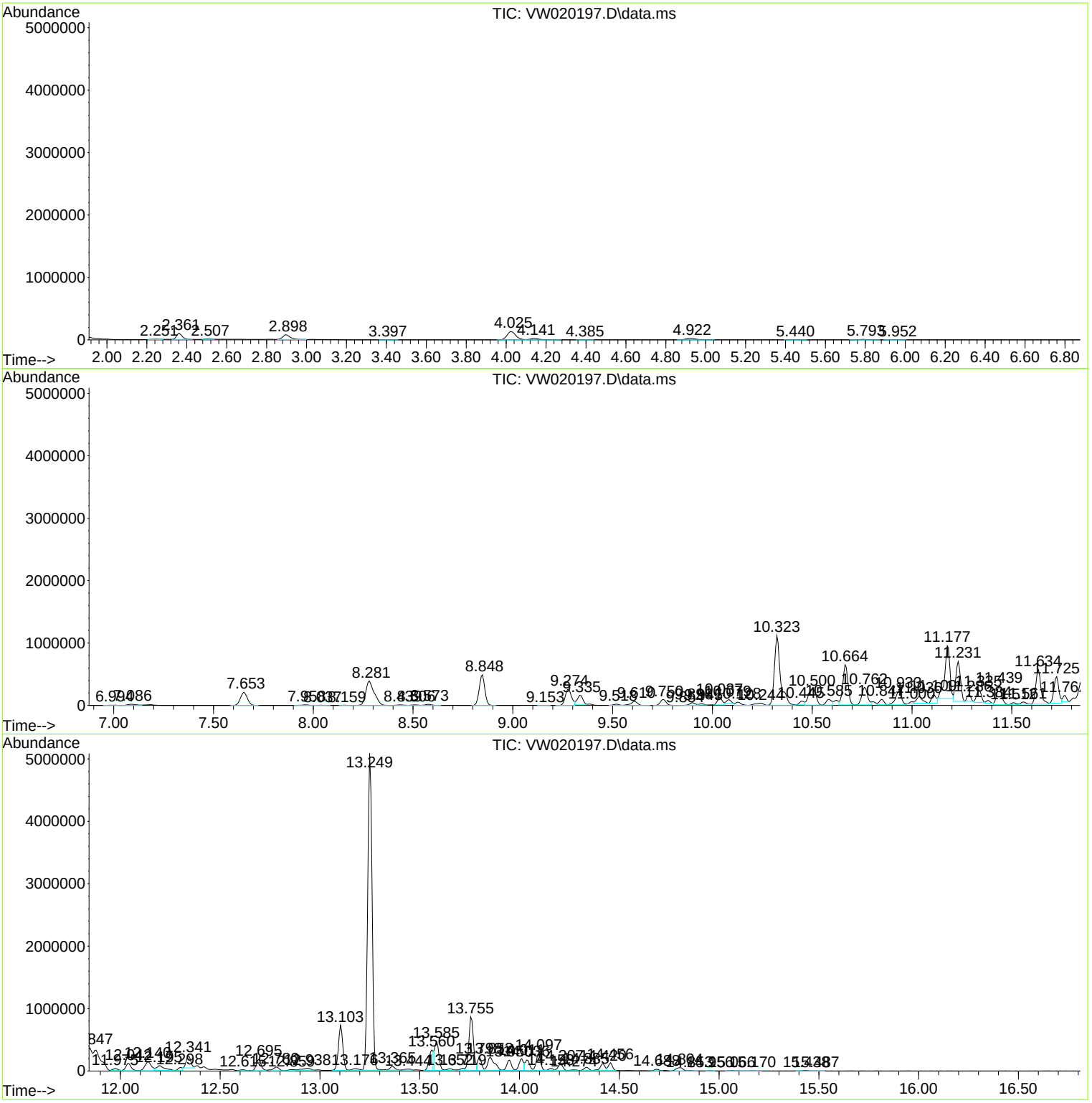
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T8RE

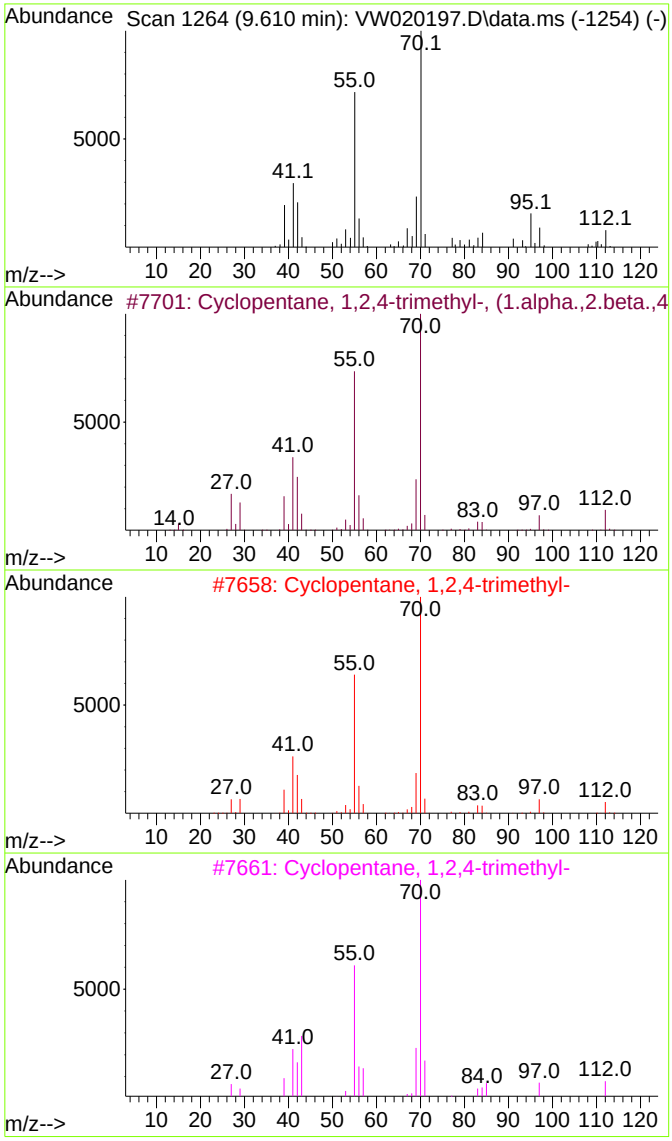
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

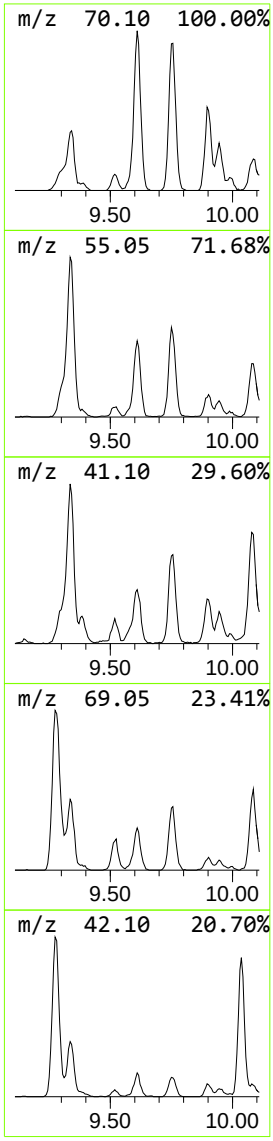
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Cyclic9.610 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.610	3.91 ug/L	148758	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	93
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	87
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	80
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	80
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T8RE

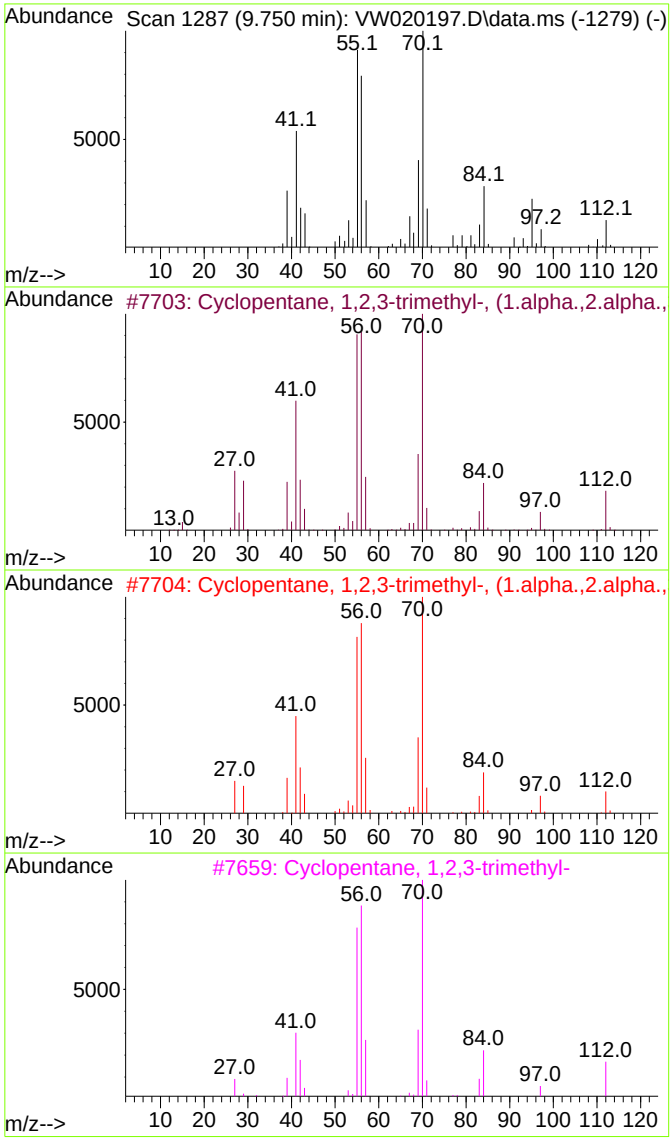
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

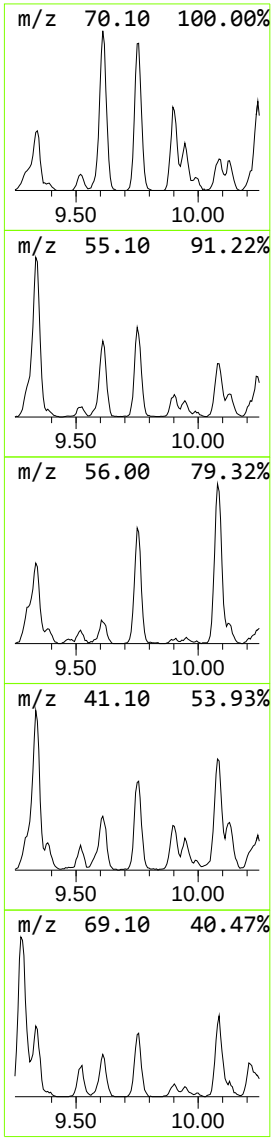
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Cyclic9.750 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.750	5.01 ug/L	190901	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	90
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	87
3	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	72
4	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	68
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

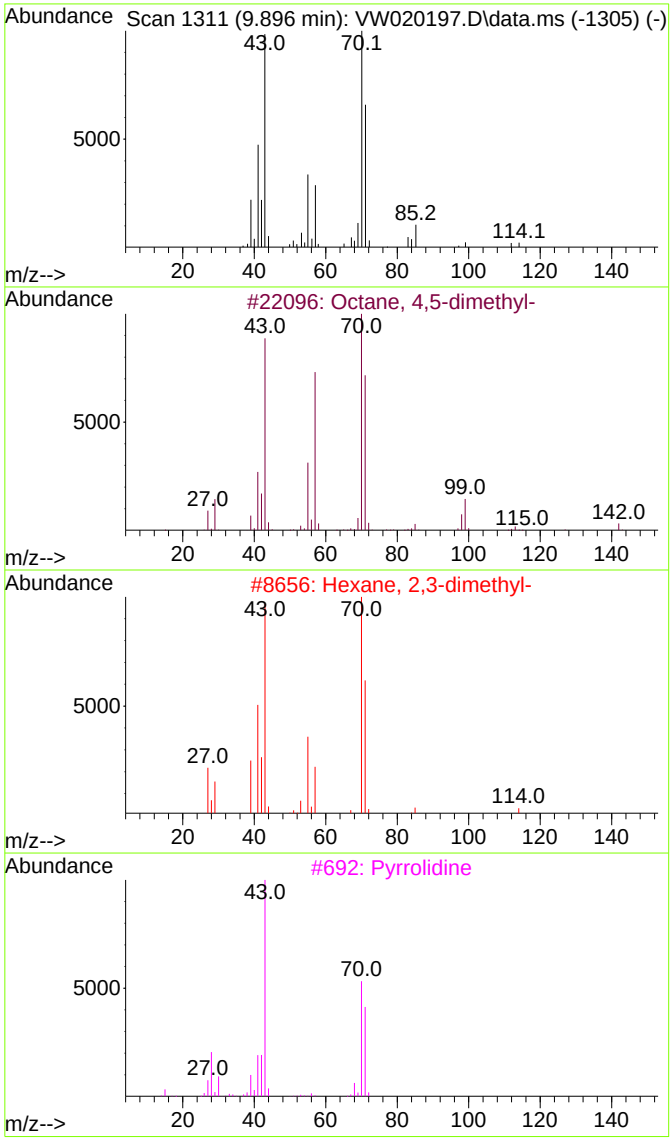
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

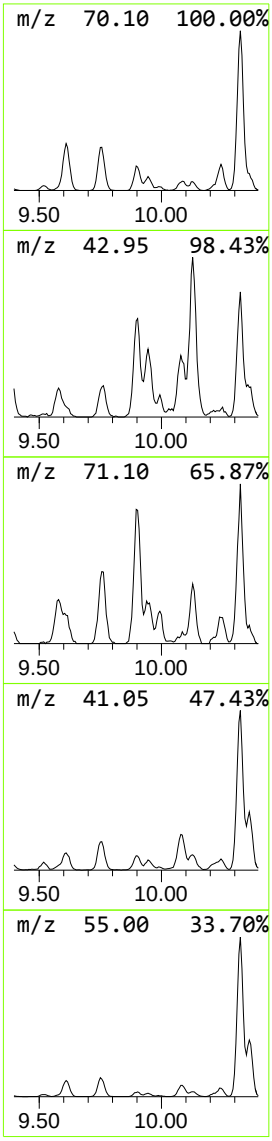
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.896	2.08 ug/L	79210	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	72
2	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	72
3	Pyrrolidine	71	C4H9N	000123-75-1	72
4	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	64
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T8RE

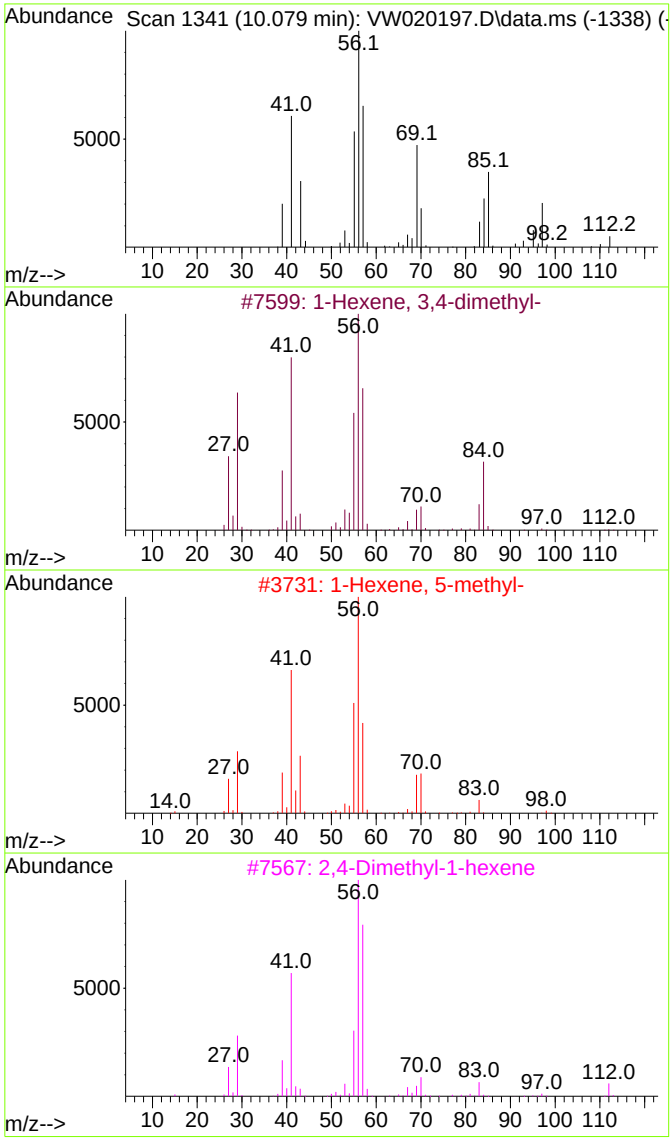
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

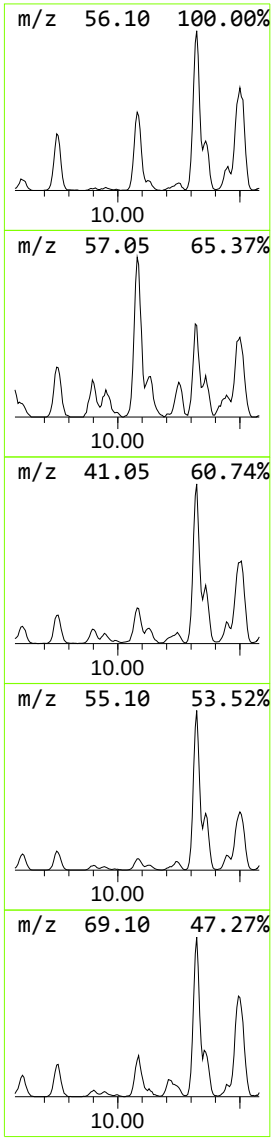
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.079	2.50 ug/L	95374	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	53
2	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	49
3	2,4-Dimethyl-1-hexene	112	C8H16	016746-87-5	43
4	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	42
5	2-Heptene, 5-methyl-	112	C8H16	022487-87-2	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T8RE

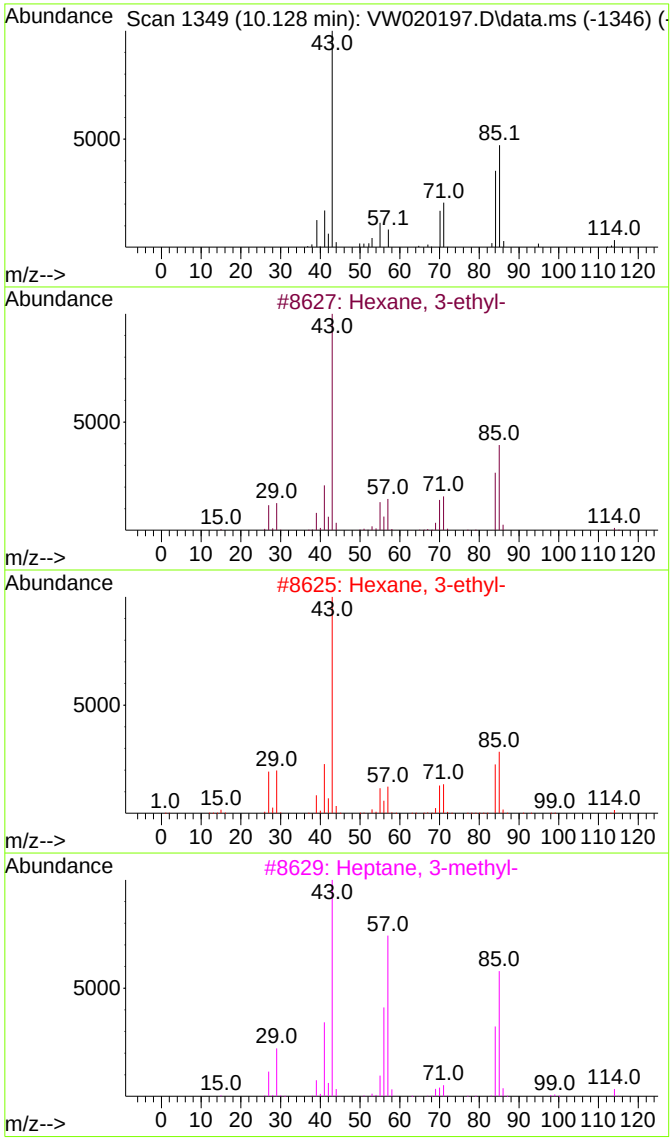
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

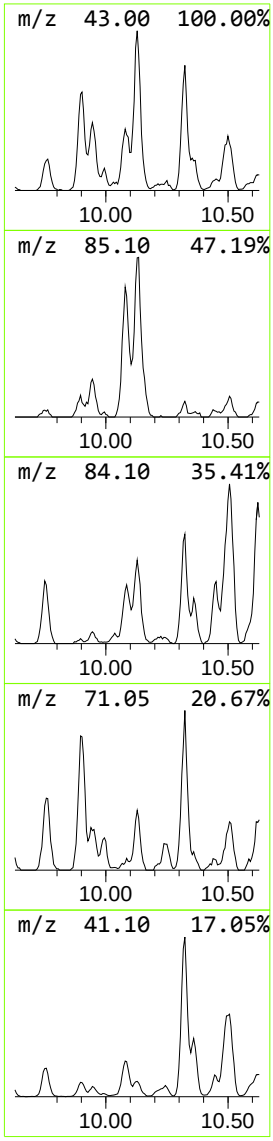
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.128	2.46 ug/L	93506	1,4-Difluorobenzene	8.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-	114	C8H18	000619-99-8	72
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	72
3	Heptane, 3-methyl-	114	C8H18	000589-81-1	59
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59
5	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

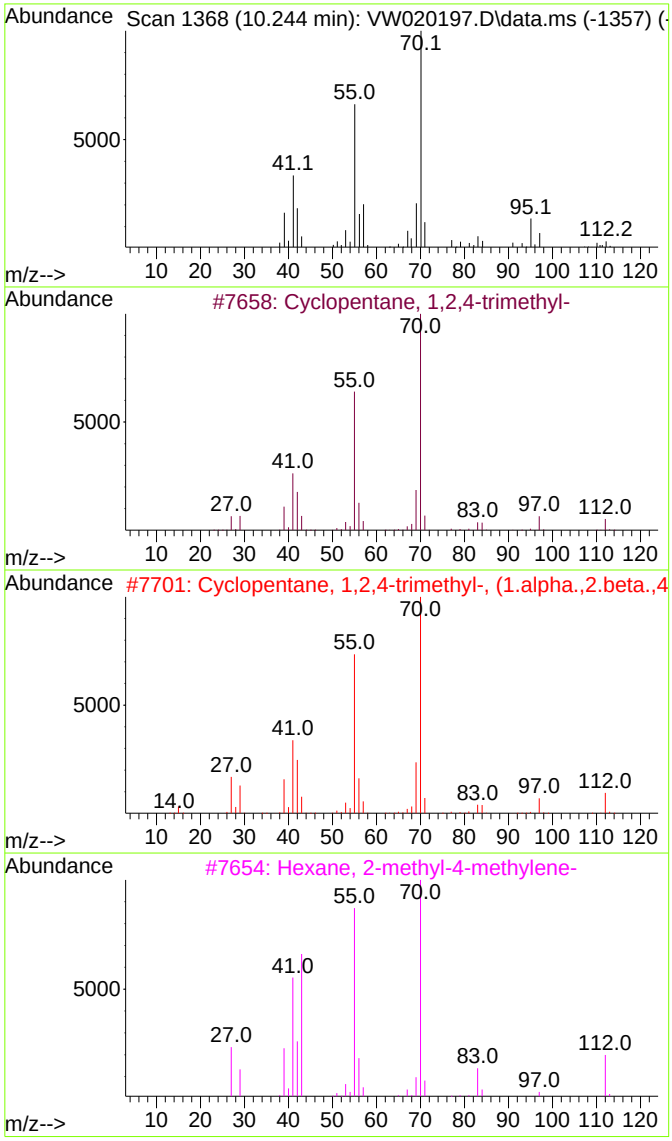
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

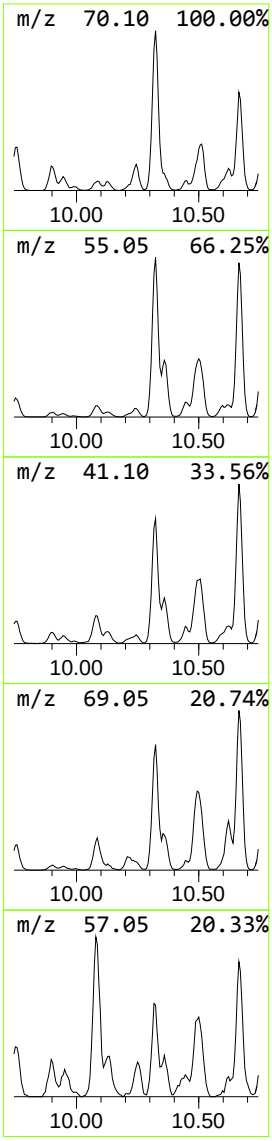
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic10.244 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.244	2.55 ug/L	101533	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	86
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	86
3	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	78
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	78
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

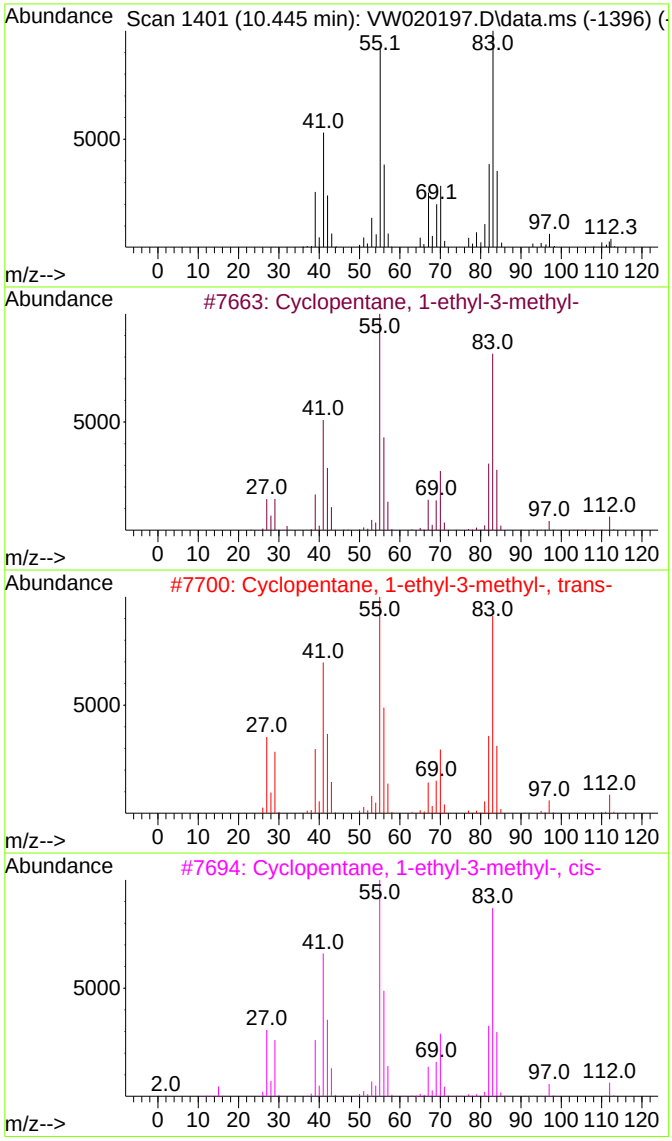
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

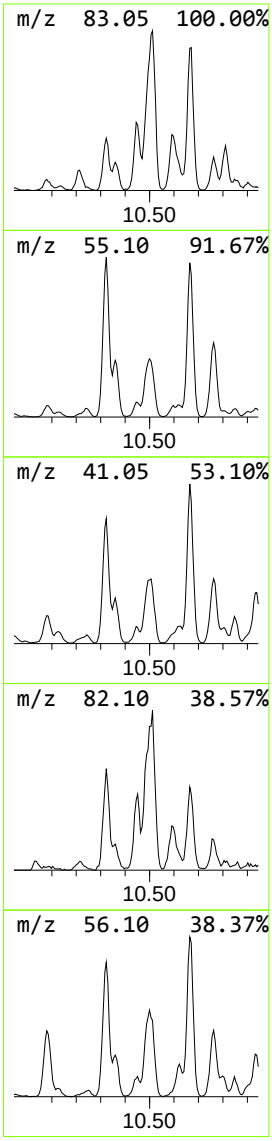
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Cyclic10.445 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.445	2.57 ug/L	102321	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	91
2	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	91
3	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	91
4	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	64
5	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

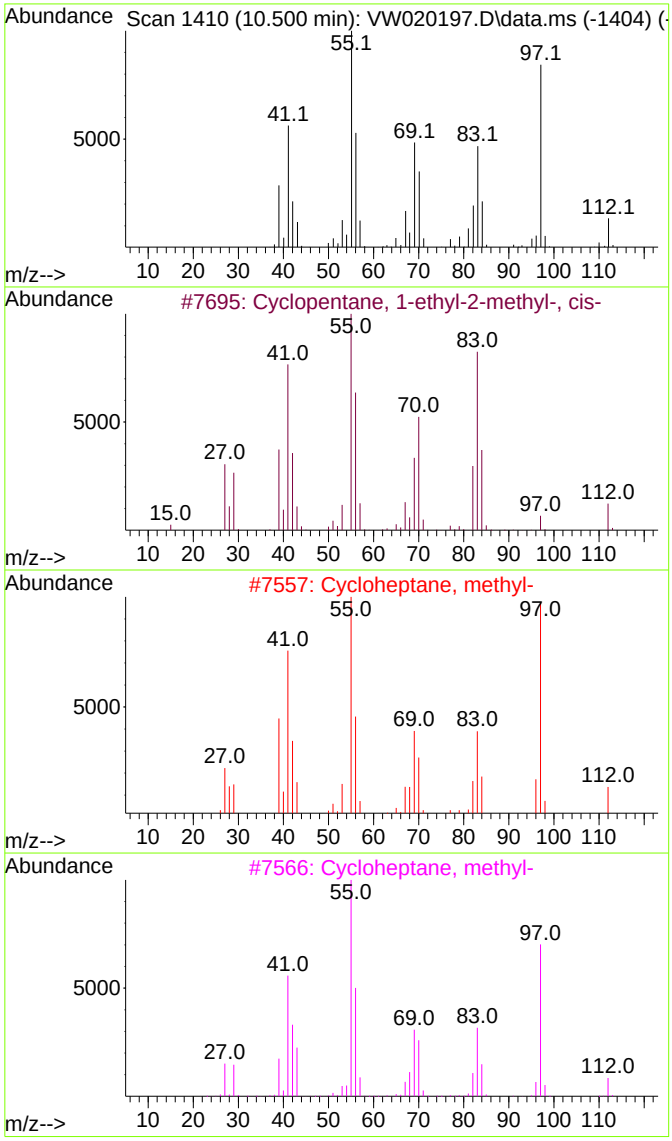
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

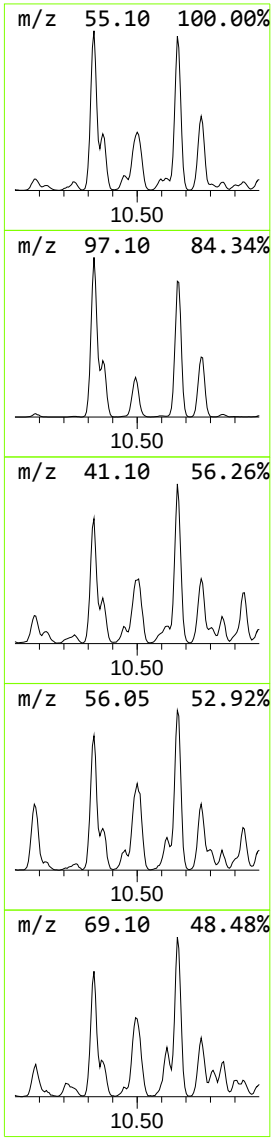
****

Peak Number 9 (DEL) Alkane: Cyclic10.500 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.500	16.89 ug/L	671587	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	91
2	Cycloheptane, methyl-	112	C8H16	004126-78-7	86
3	Cycloheptane, methyl-	112	C8H16	004126-78-7	86
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	74
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T8RE

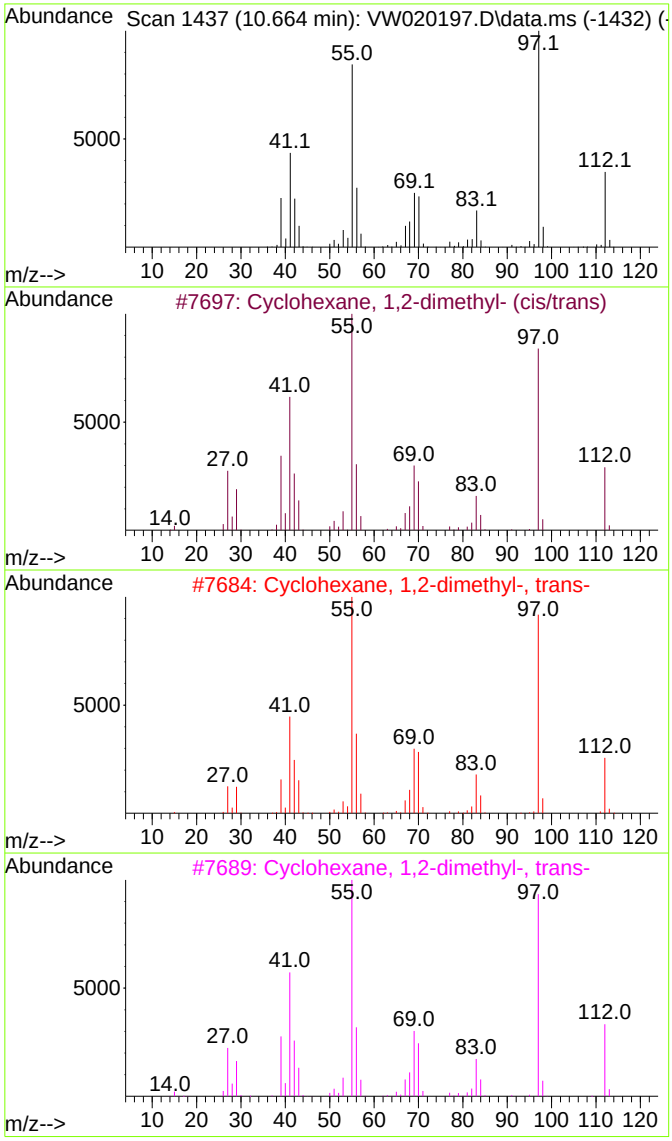
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

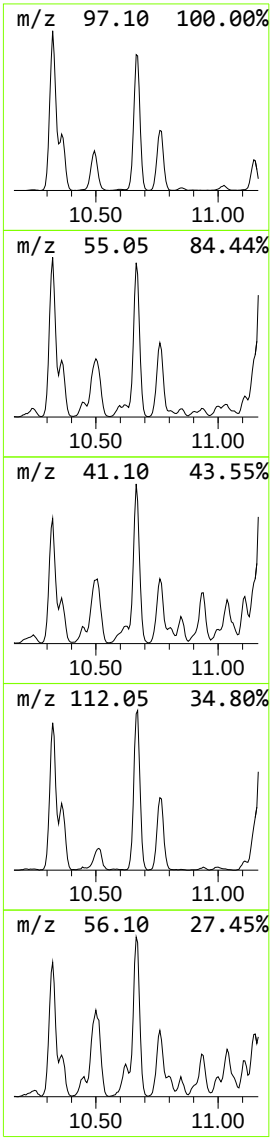
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic10.665 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.665	28.66 ug/L	1139330	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	89
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

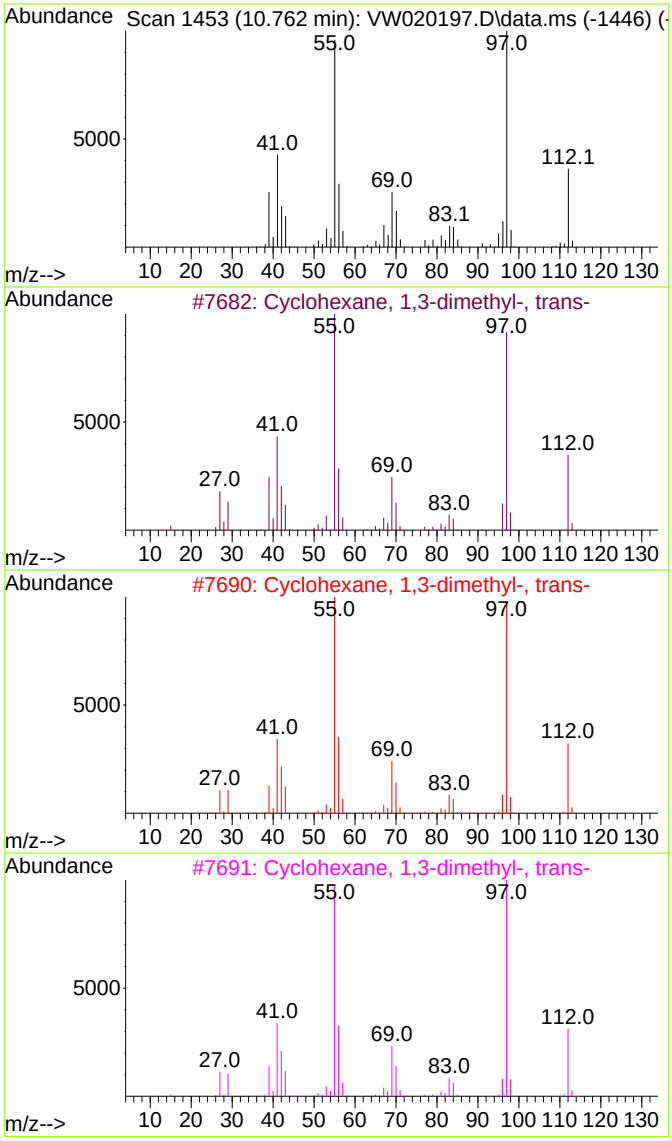
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

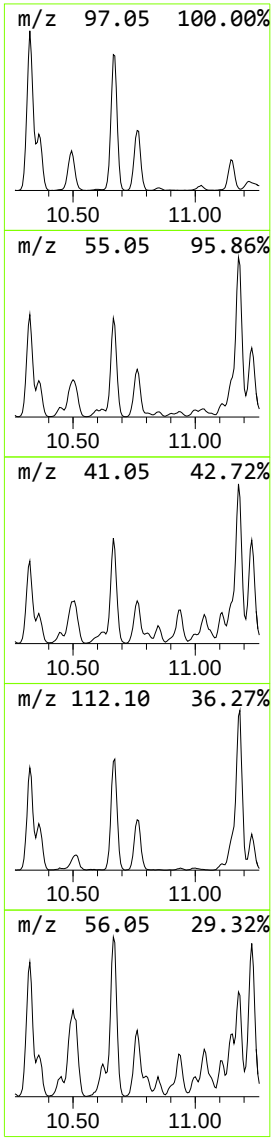
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic10.762 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.762	14.64 ug/L	581943	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	96
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	95
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

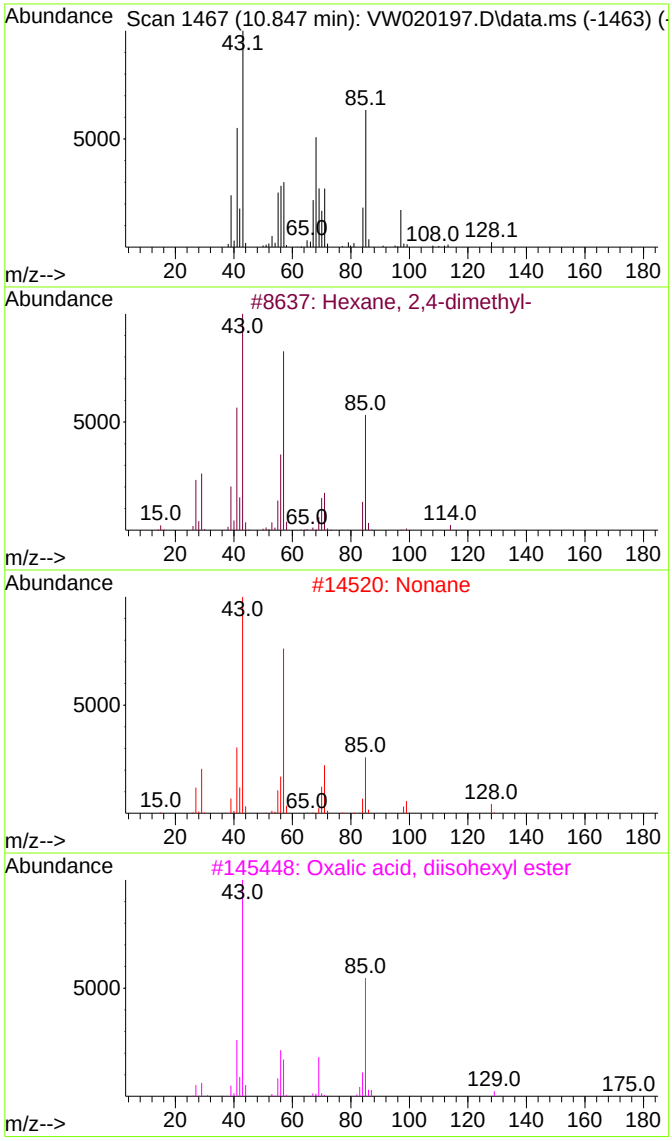
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

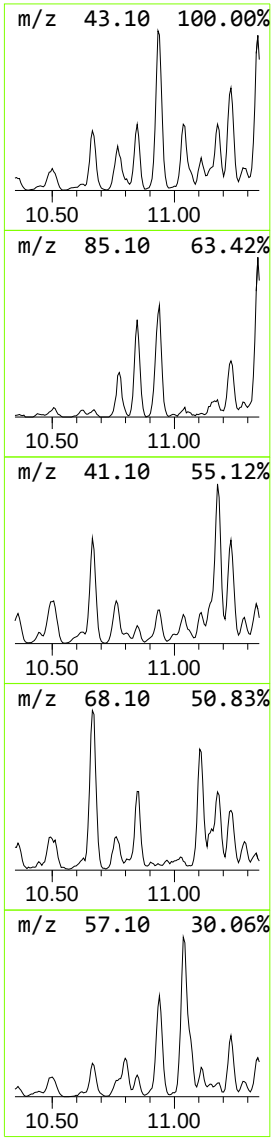
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.847	3.59 ug/L	142552	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	43
2	Nonane	128	C9H20	000111-84-2	43
3	Oxalic acid, diisohexyl ester	258	C14H26O4	1010309-32-9	38
4	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	38
5	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T8RE

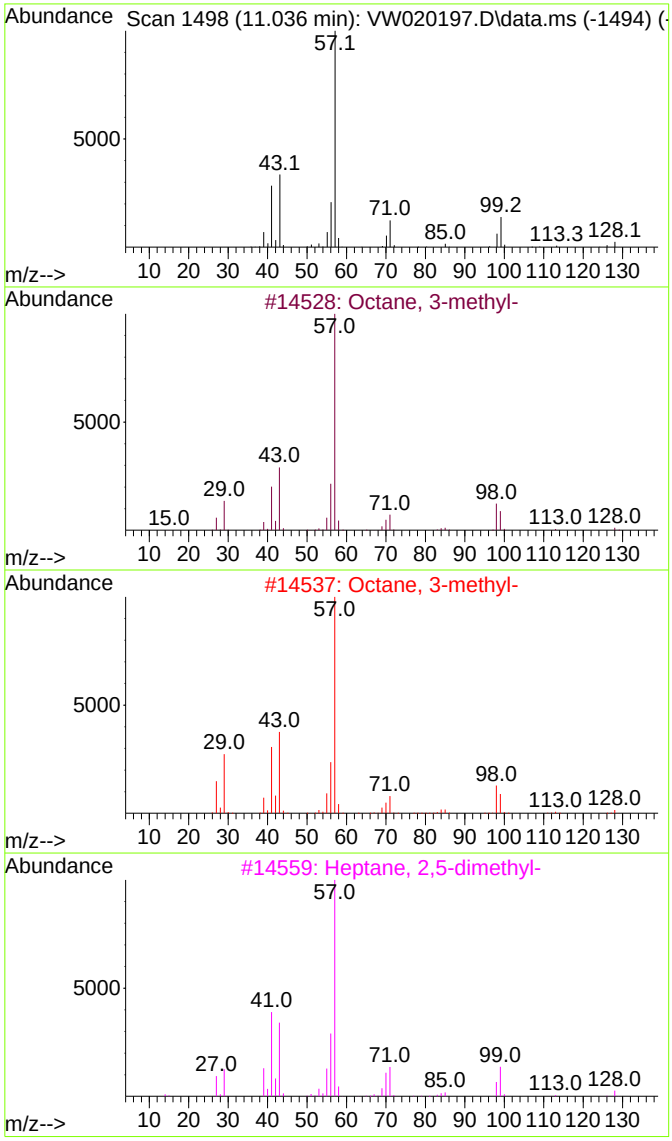
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

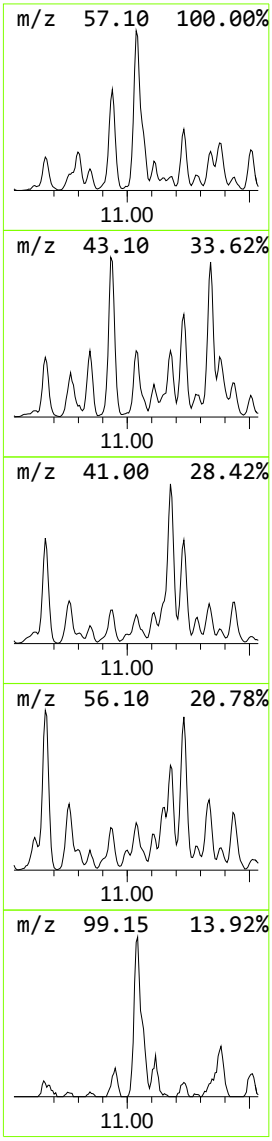
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.036	5.39 ug/L	214271	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	86
2	Octane, 3-methyl-	128	C9H20	002216-33-3	86
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	86
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	80
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T8RE

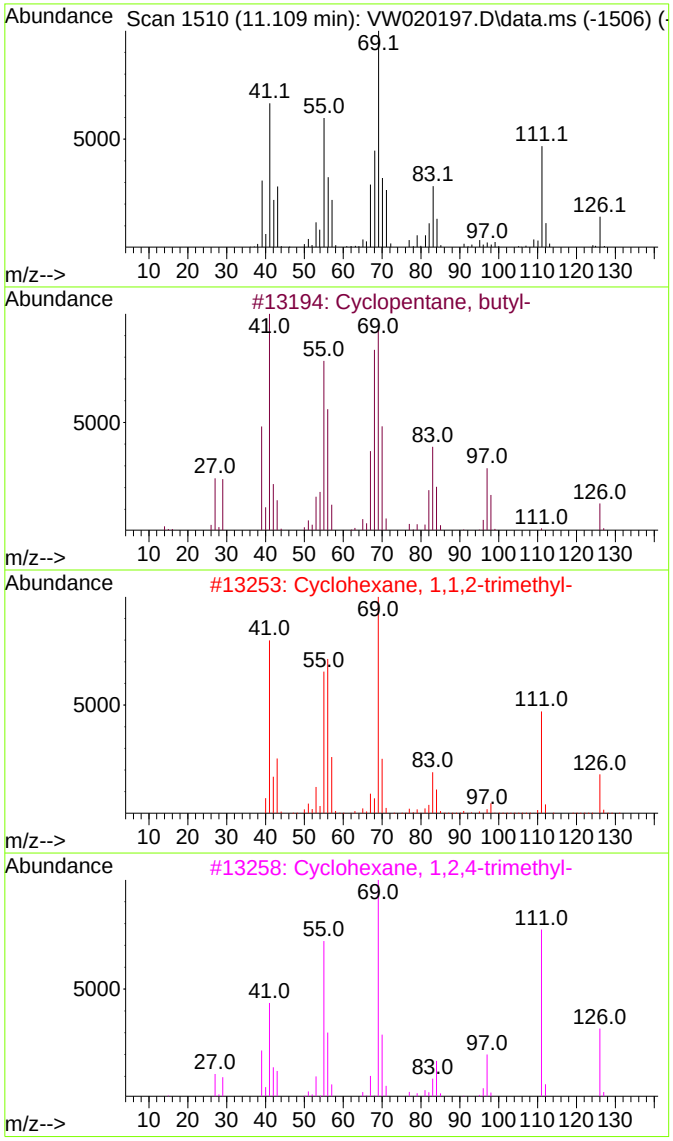
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

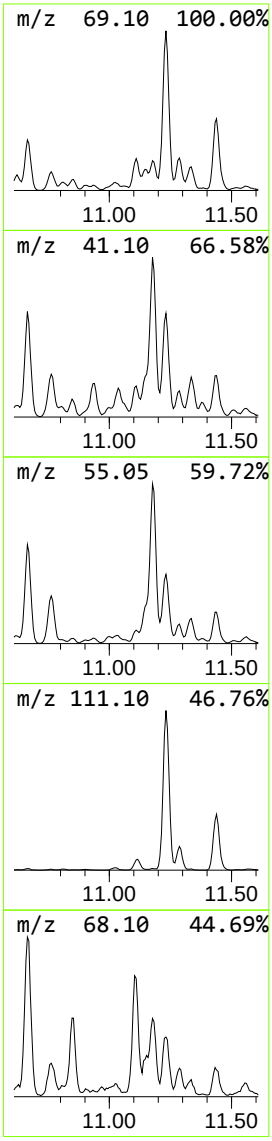
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Cyclic11.110 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.110	5.90 ug/L	234647	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, butyl-	126	C9H18	002040-95-1	83
2	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	52
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	49
4	3-Hexene, 2,5-dimethyl-	112	C8H16	015910-22-2	38
5	Cyclohexanone, 3,5-dimethyl-, cis-	126	C8H14O	007214-52-0	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T8RE

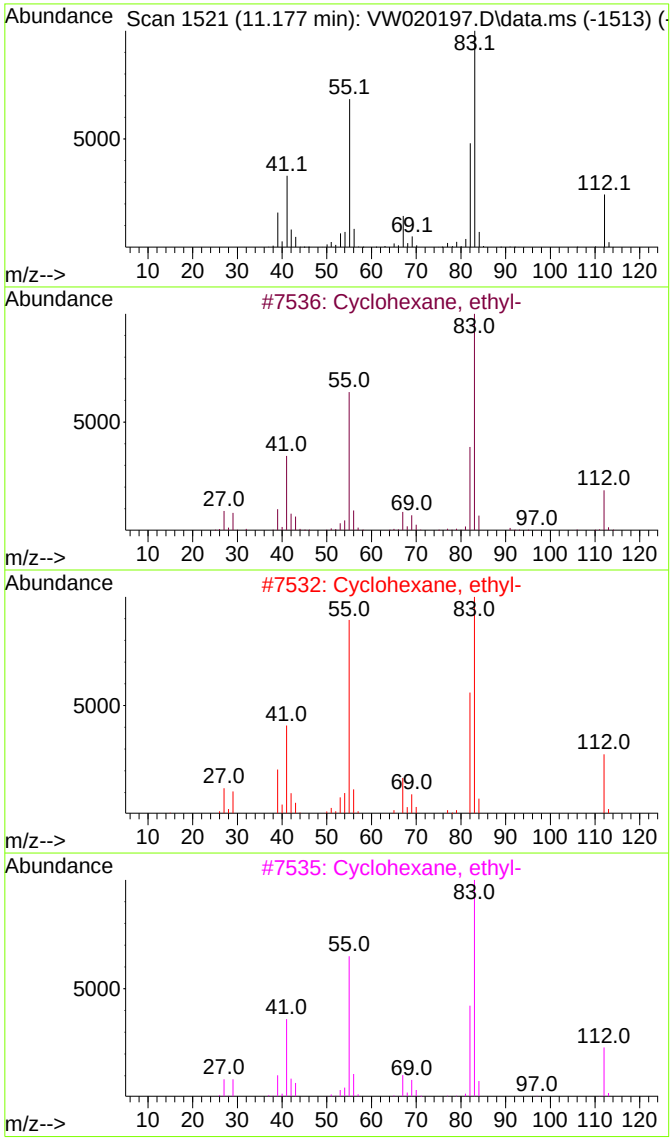
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

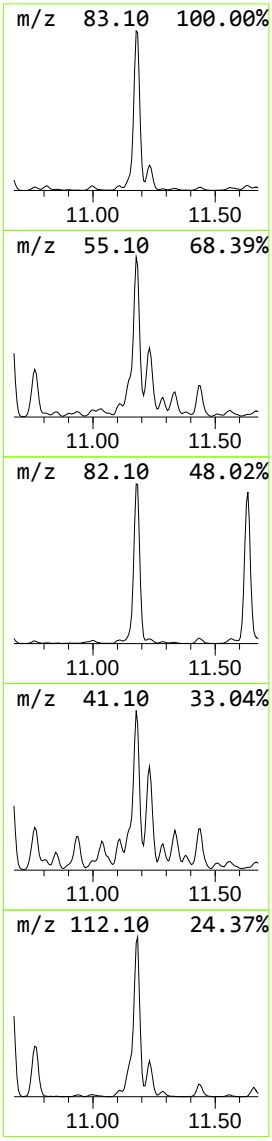
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Cyclic11.177 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.177	38.69 ug/L	1538300	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T8RE

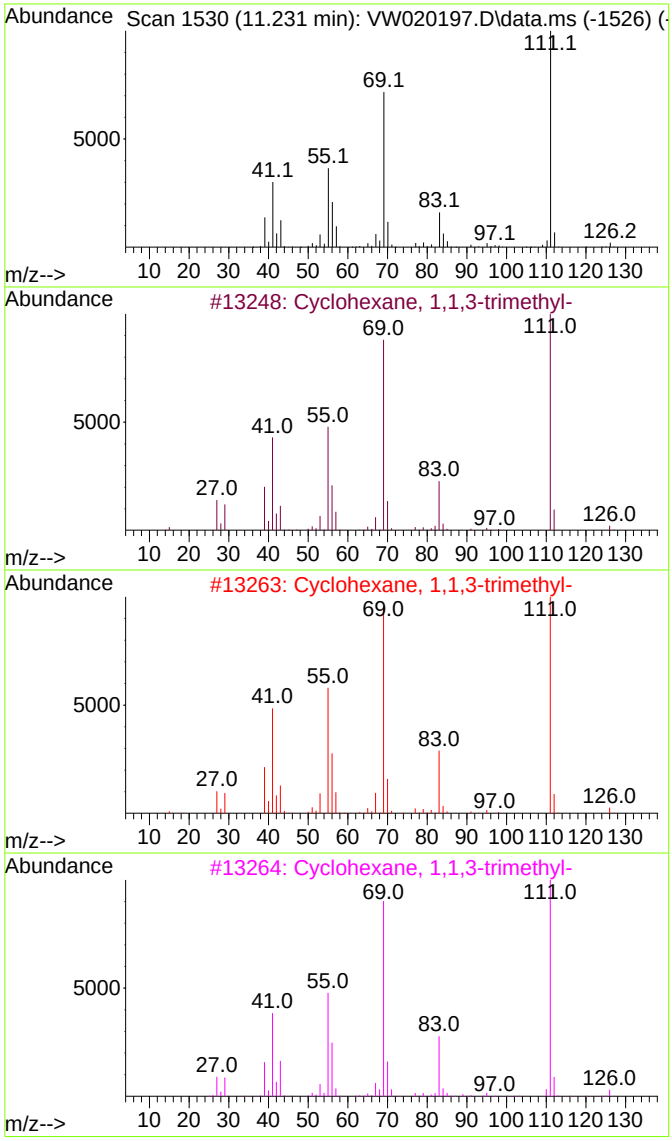
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

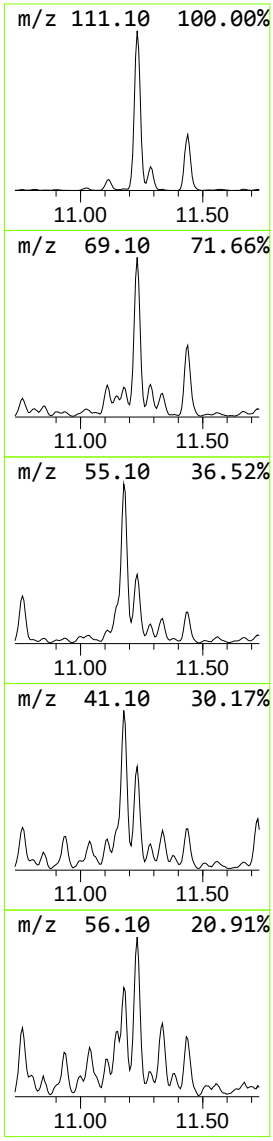
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic11.231 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.231	26.28 ug/L	1044830	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	94
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	70
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	64
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

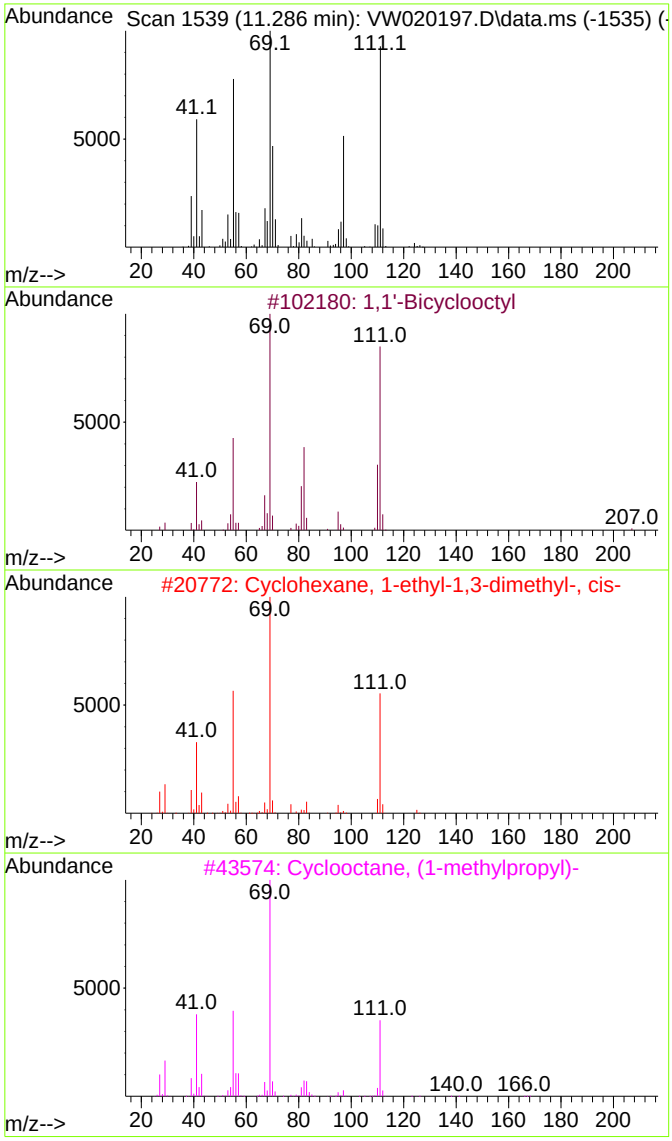
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

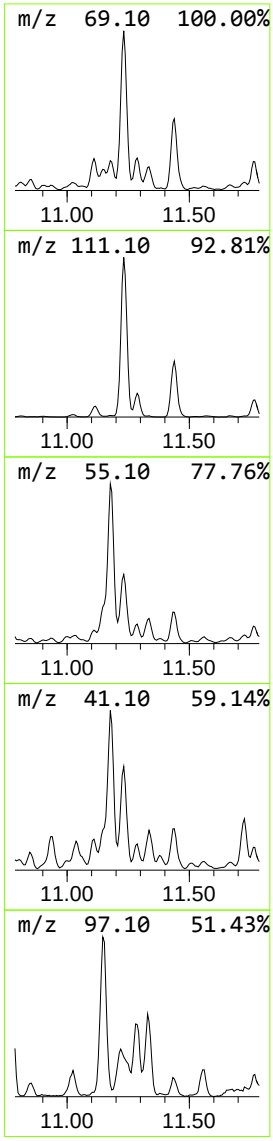
****

Peak Number 17 1,1'-Bicyclooctyl Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.286	3.55 ug/L	141061	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Bicyclooctyl	222	C16H30	006708-17-4	52
2	Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-31-7	50
3	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	50
4	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	35
5	4-Hexen-3-one, 4,5-dimethyl-	126	C8H14O	017325-90-5	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

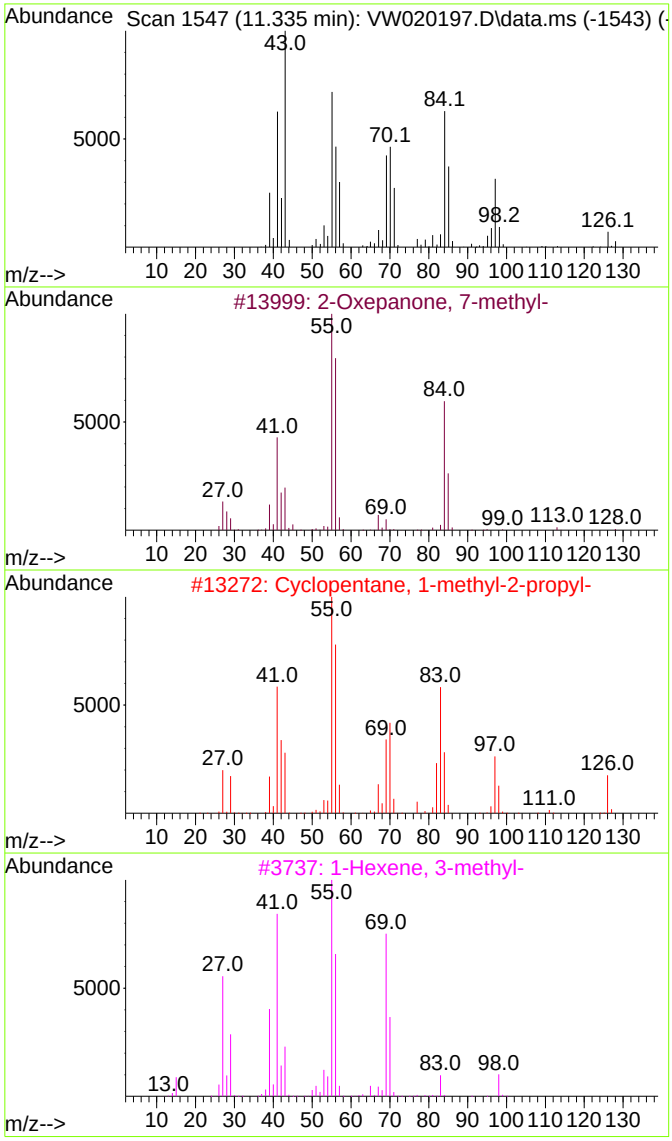
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

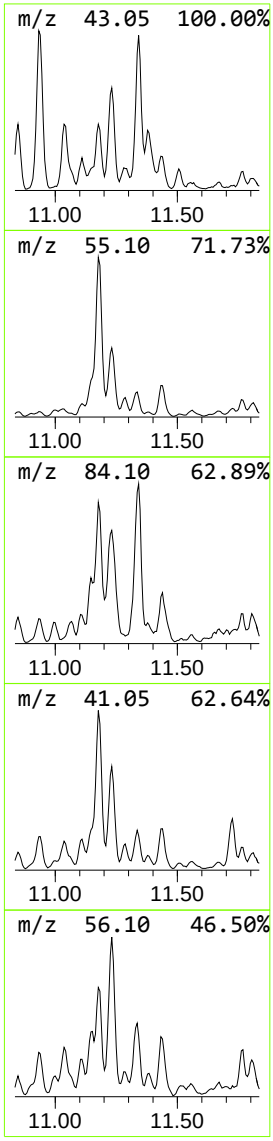
****

Peak Number 18 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.335	8.06 ug/L	320387	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Oxepanone, 7-methyl-	128	C7H12O2	002549-59-9	43
2	Cyclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	38
3	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	38
4	Cyclopentanone	84	C5H8O	000120-92-3	35
5	1-Heptene	98	C7H14	000592-76-7	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

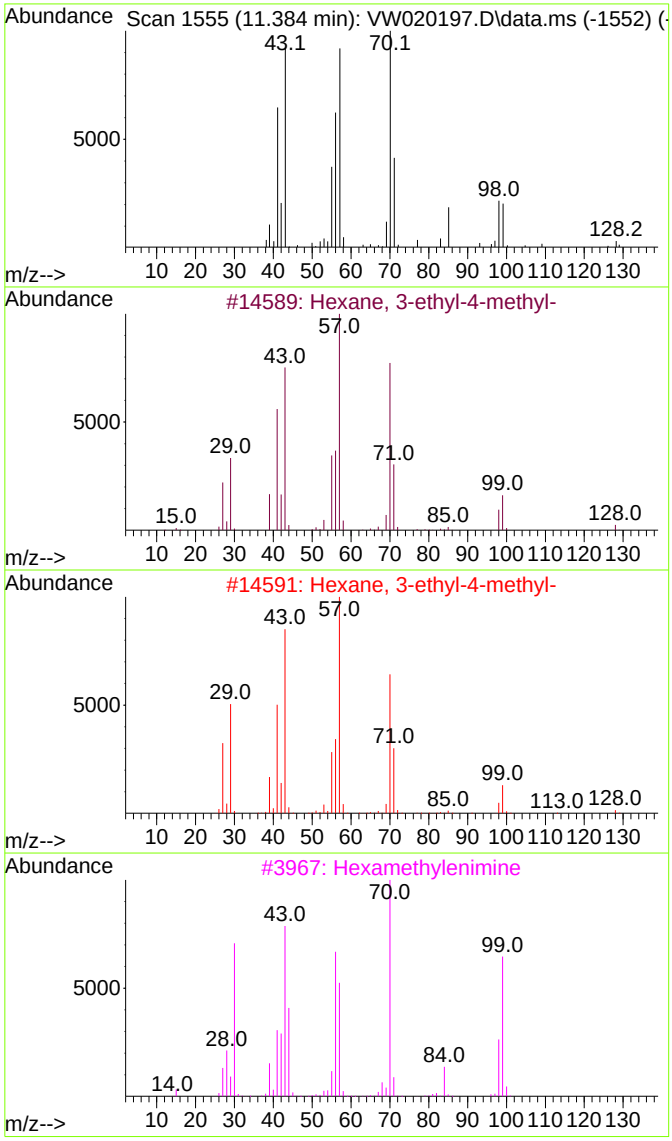
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

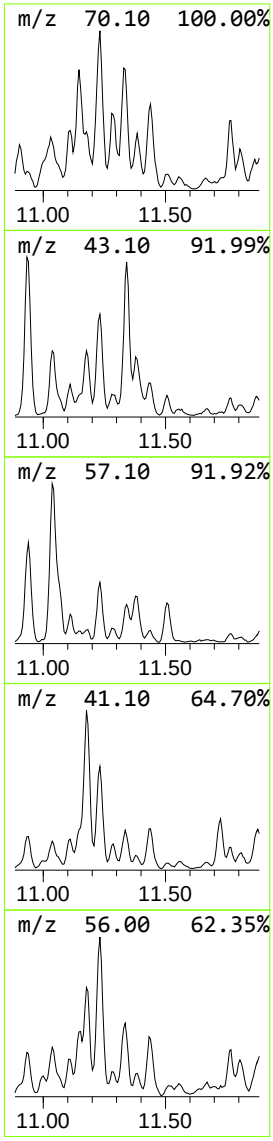
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.384	1.44 ug/L	57368	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	81
2	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	72
3	Hexamethylenimine	99	C6H13N	000111-49-9	58
4	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	52
5	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

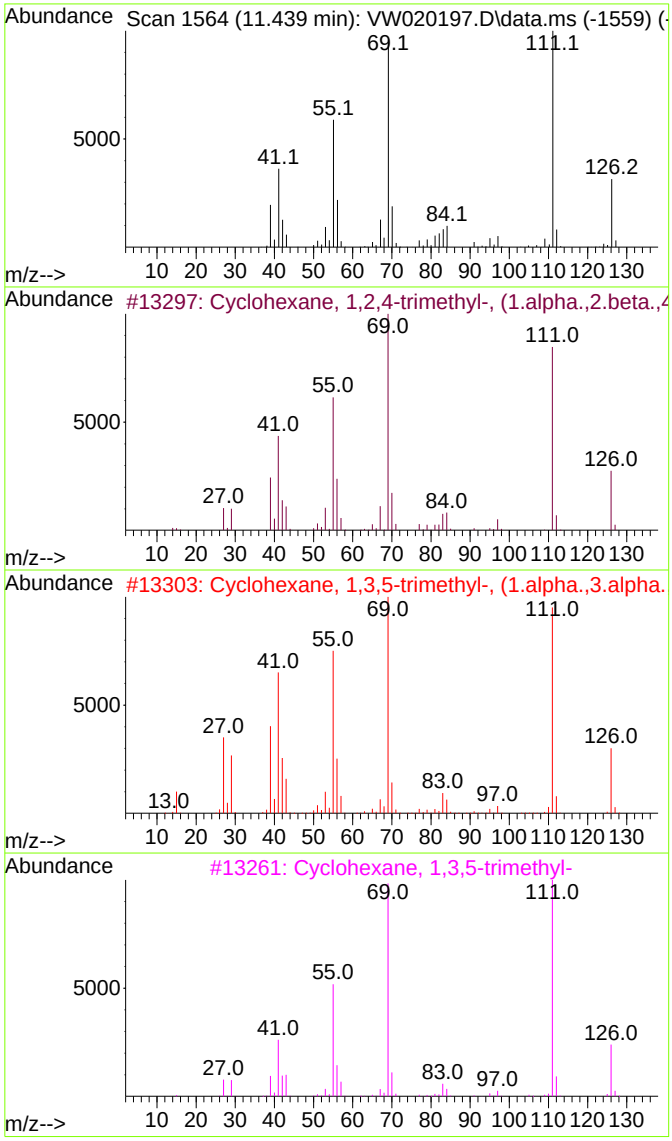
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

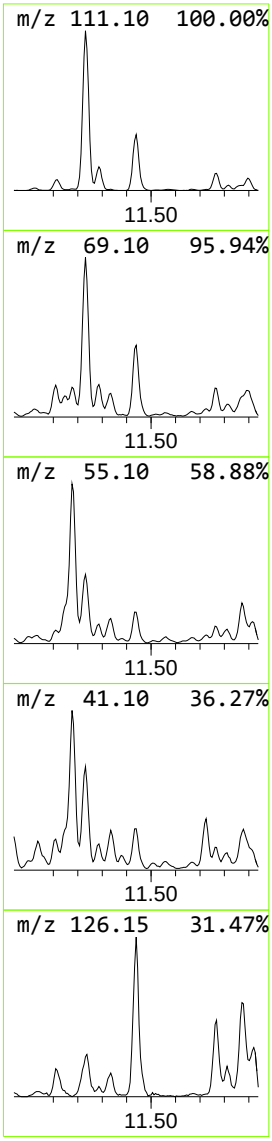
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic11.439 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.439	13.21 ug/L	525176	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	96
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	90
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	83
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

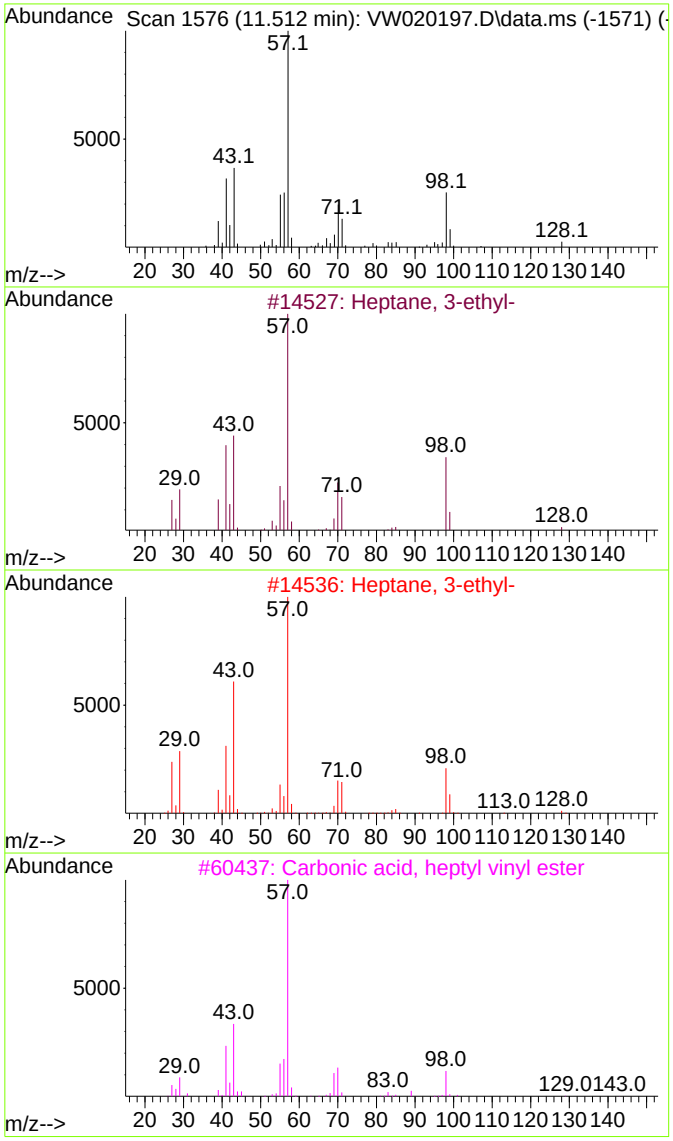
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

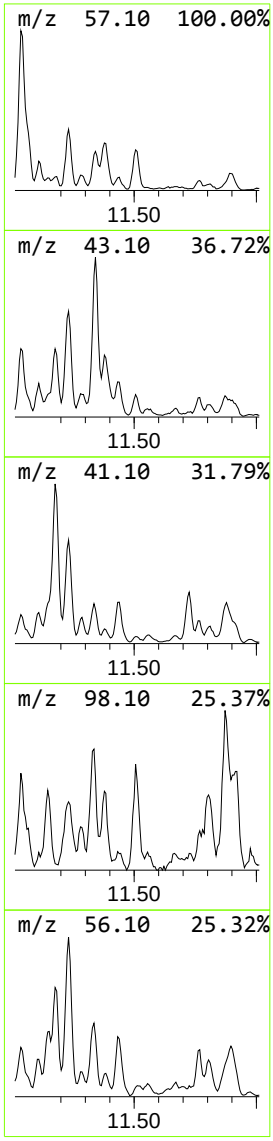
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	1.44 ug/L	57058	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-	128	C9H20	015869-80-4	87
2	Heptane, 3-ethyl-	128	C9H20	015869-80-4	64
3	Carbonic acid, heptyl vinyl ester	186	C10H18O3	1010383-25-4	64
4	Octane, 3-methyl-	128	C9H20	002216-33-3	58
5	Octane, 3-methyl-	128	C9H20	002216-33-3	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

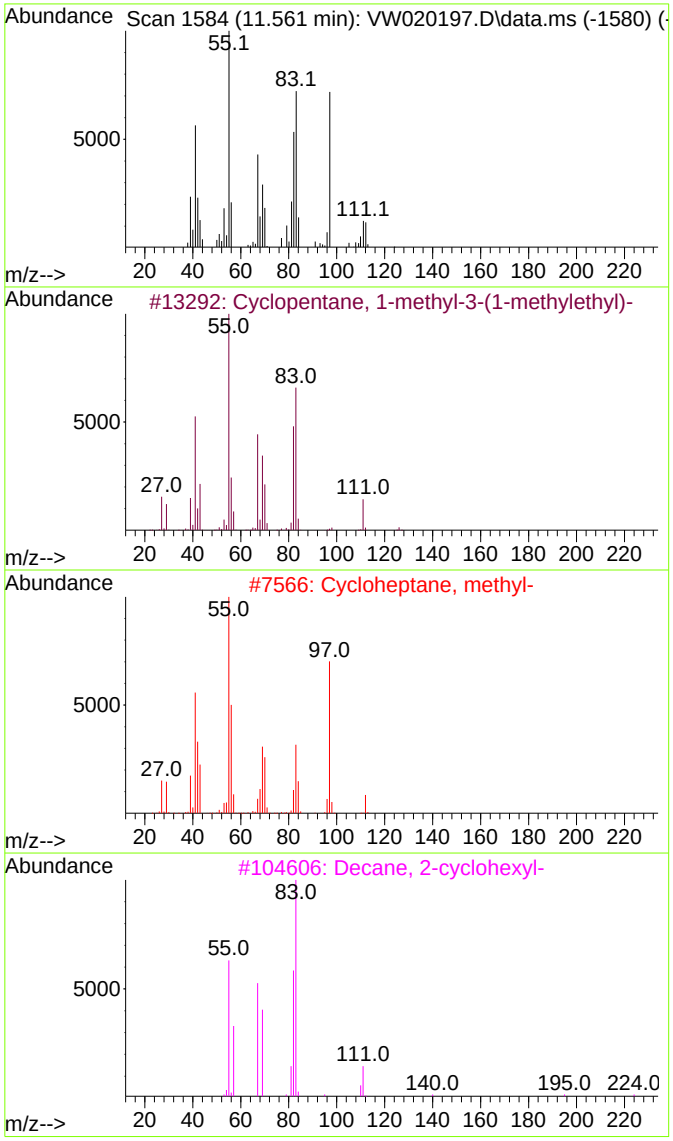
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

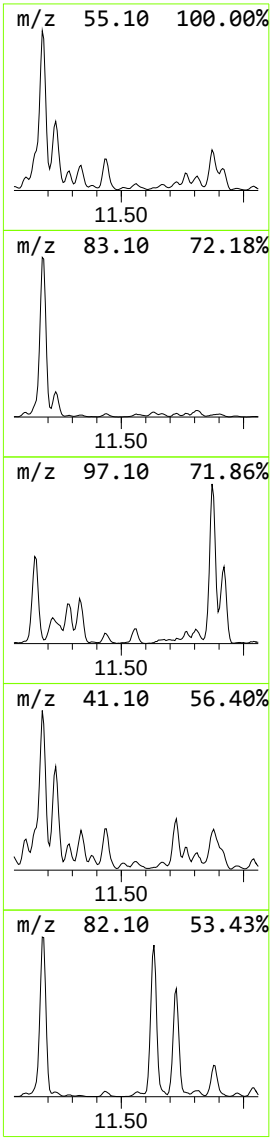
****

Peak Number 22 (DEL) Alkane: Cyclic11.561 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.561	1.53 ug/L	60809	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	53
2	Cycloheptane, methyl-	112	C8H16	004126-78-7	50
3	Decane, 2-cyclohexyl-	224	C16H32	013151-73-0	43
4	8-Oxabicyclo[5.1.0]octane	112	C7H12O	000286-45-3	43
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

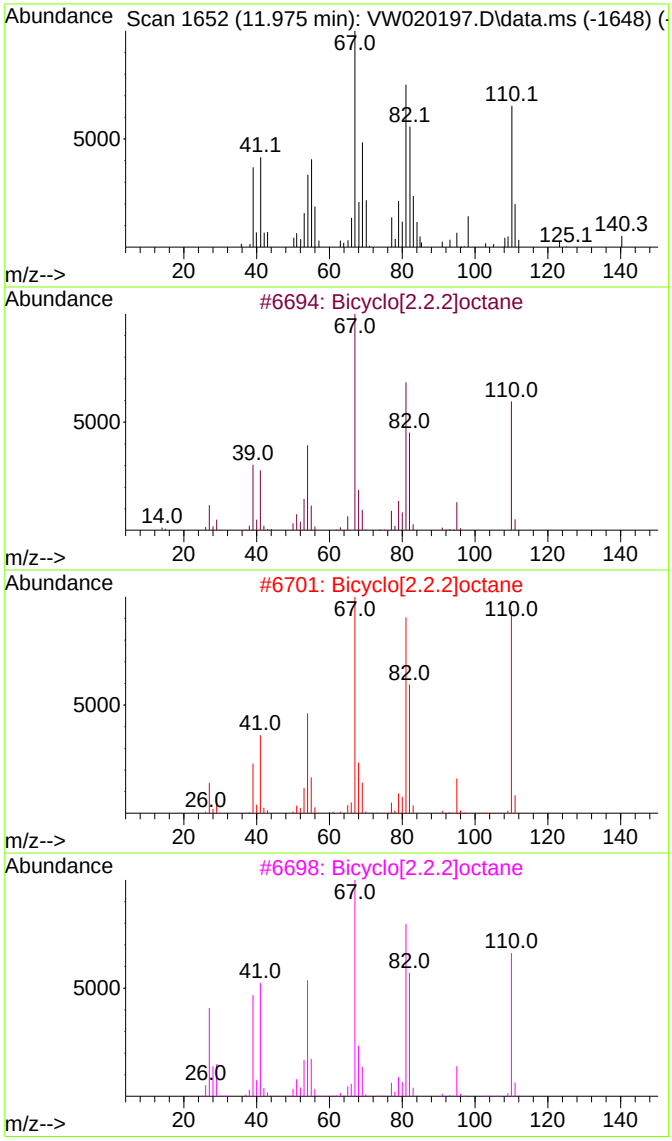
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

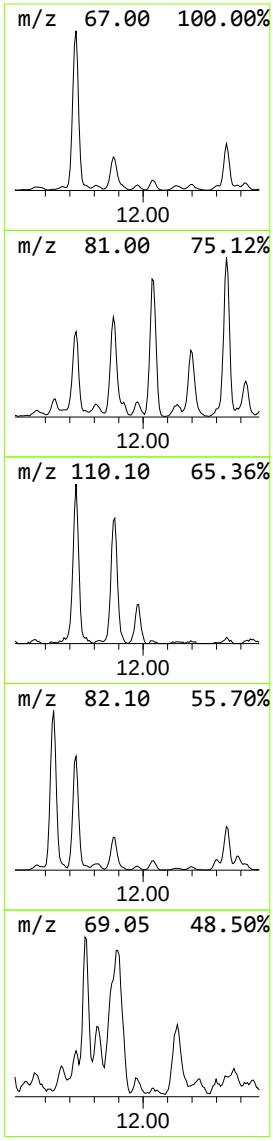
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Bicyclo[2.2.2]octane Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	1.26 ug/L	50210	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.2]octane	110	C8H14	000280-33-1	81
2	Bicyclo[2.2.2]octane	110	C8H14	000280-33-1	68
3	Bicyclo[2.2.2]octane	110	C8H14	000280-33-1	64
4	1-Nonyne, 7-methyl-	138	C10H18	071566-65-9	50
5	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

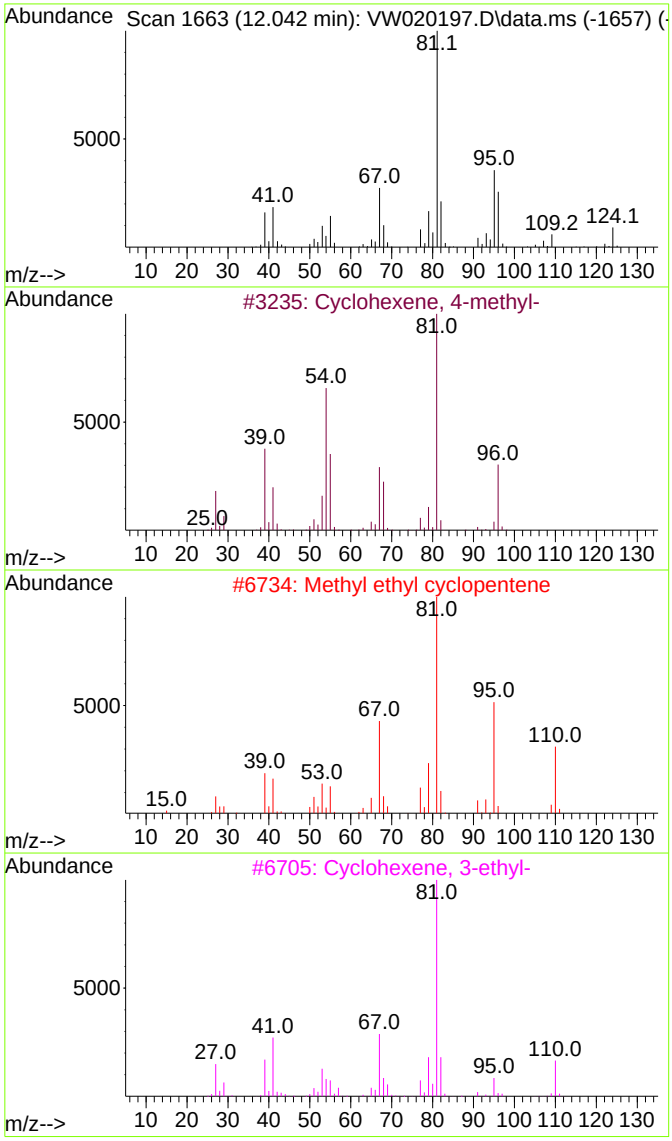
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

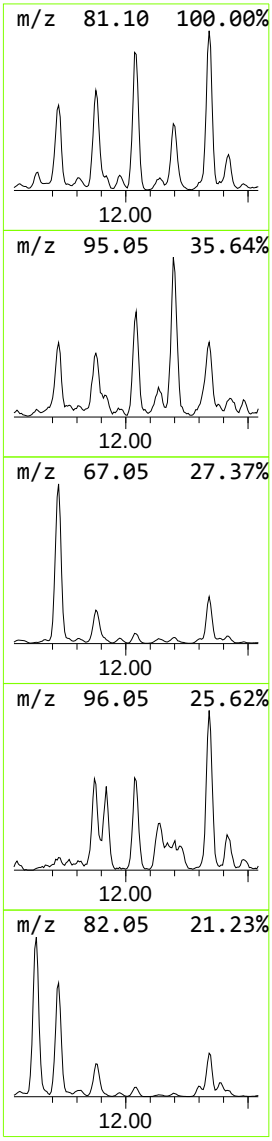
****

Peak Number 24 Cyclohexene, 4-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.042	5.28 ug/L	209799	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	53
2	Methyl ethyl cyclopentene	110	C8H14	019780-56-4	53
3	Cyclohexene, 3-ethyl-	110	C8H14	002808-71-1	53
4	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	53
5	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

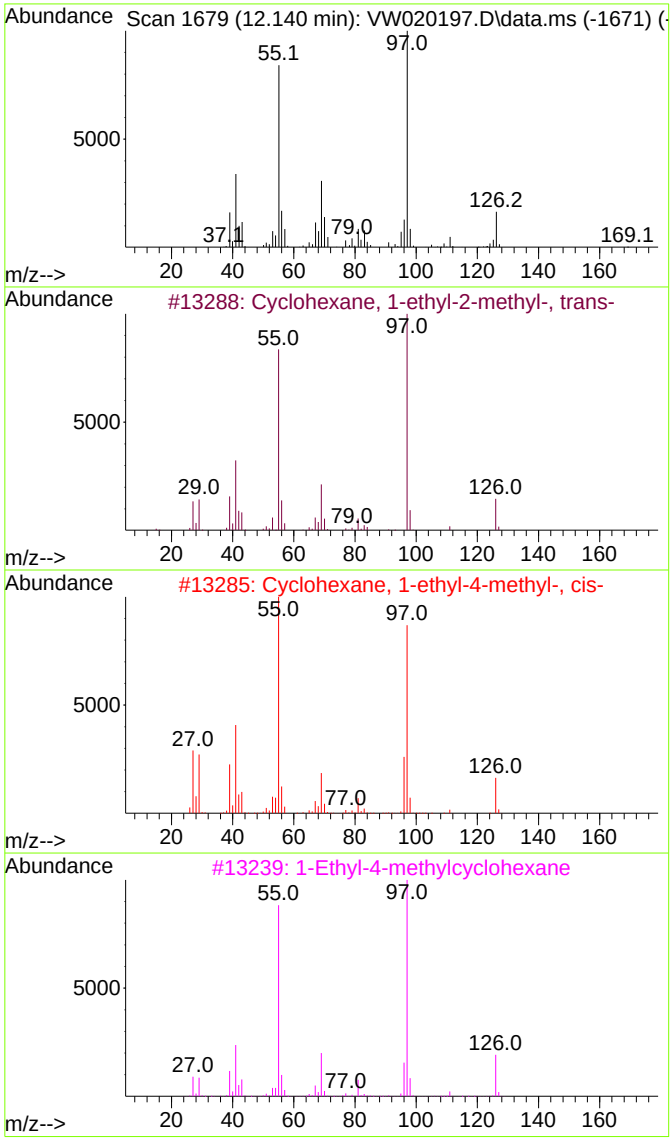
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

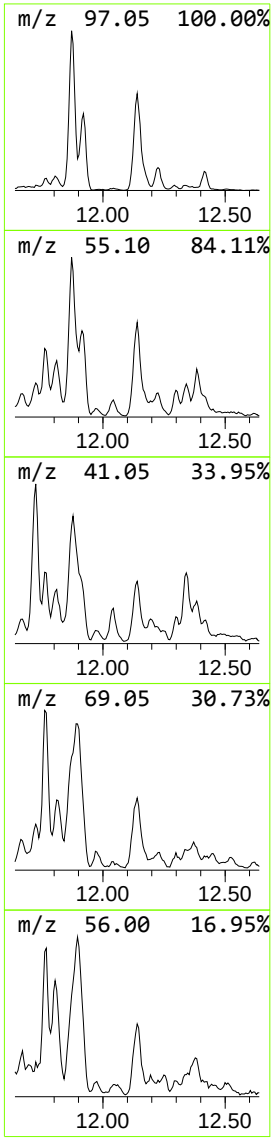
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Cyclic12.140 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.140	8.13 ug/L	323201	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	74
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

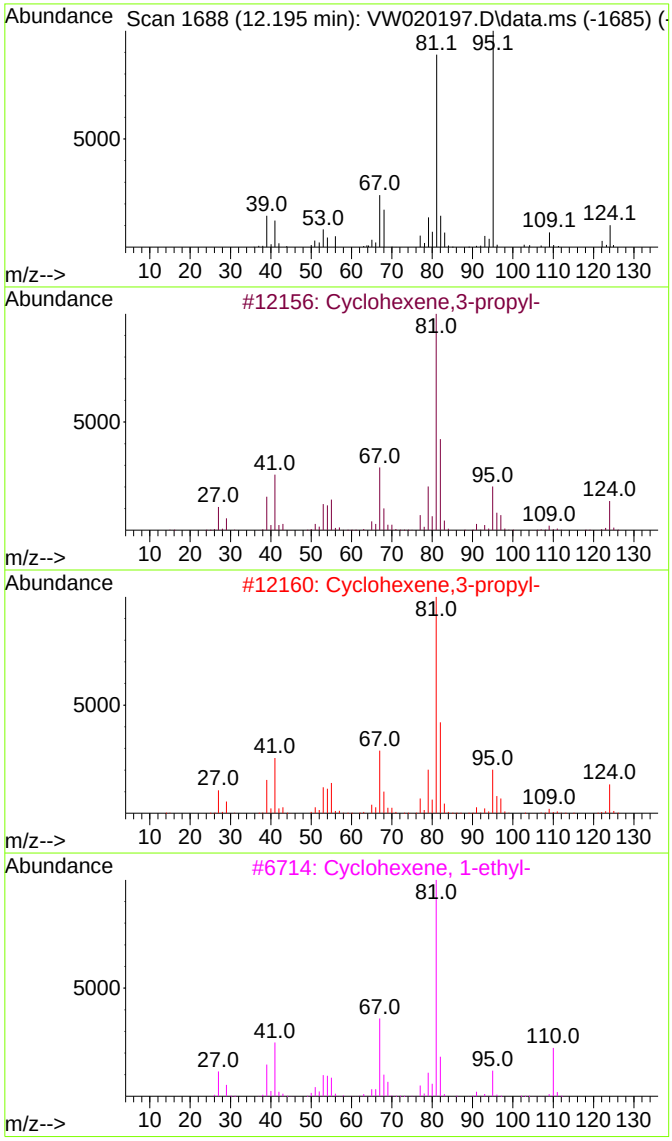
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

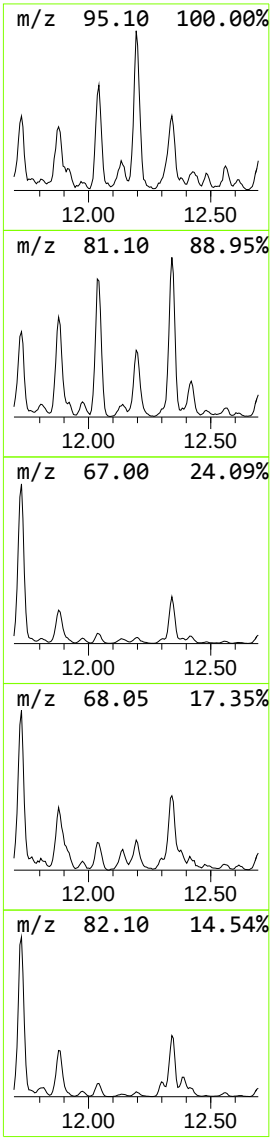
****

Peak Number 26 Cyclohexene,3-propyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.195	5.01 ug/L	199124	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	49
2	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	49
3	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	47
4	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	43
5	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T8RE

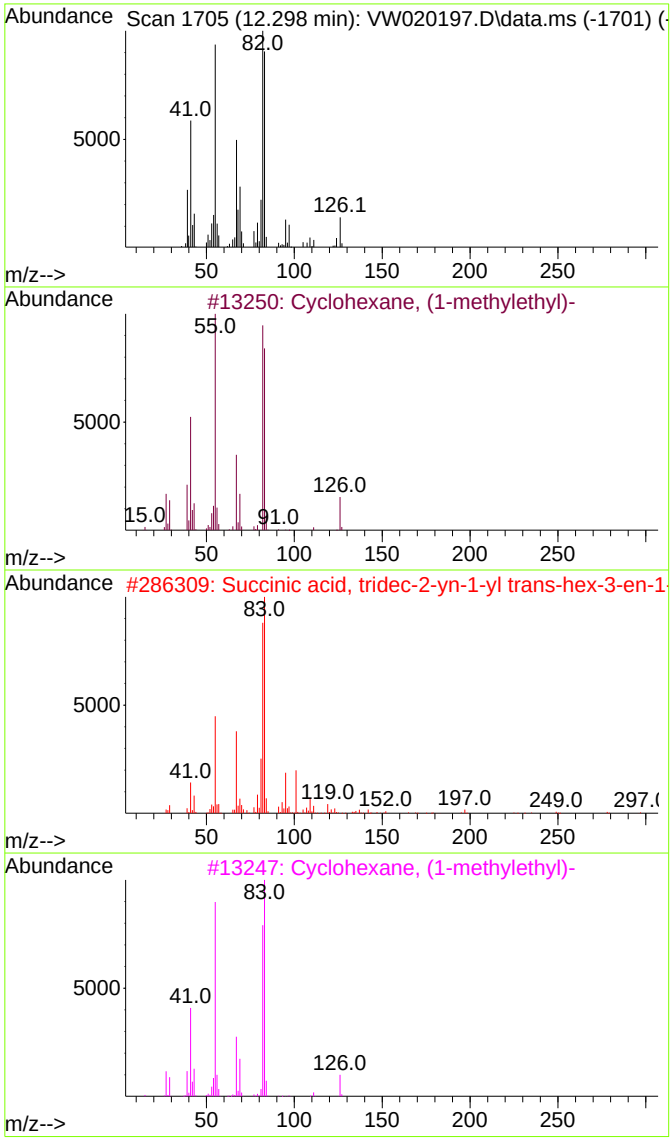
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

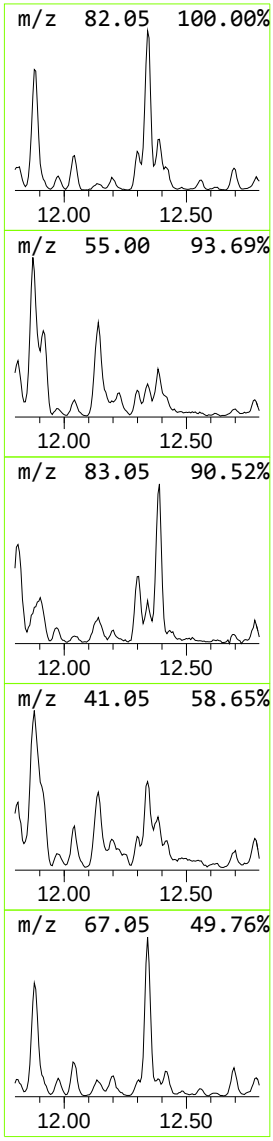
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Cyclic12.298 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.298	1.77 ug/L	70459	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
2	Succinic acid, tridec-2-yn-1-yl ...	378	C23H38O4	1000391-12-6	72
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64
5	Vinylcyclohexyl ether	126	C8H14O	002182-55-0	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

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

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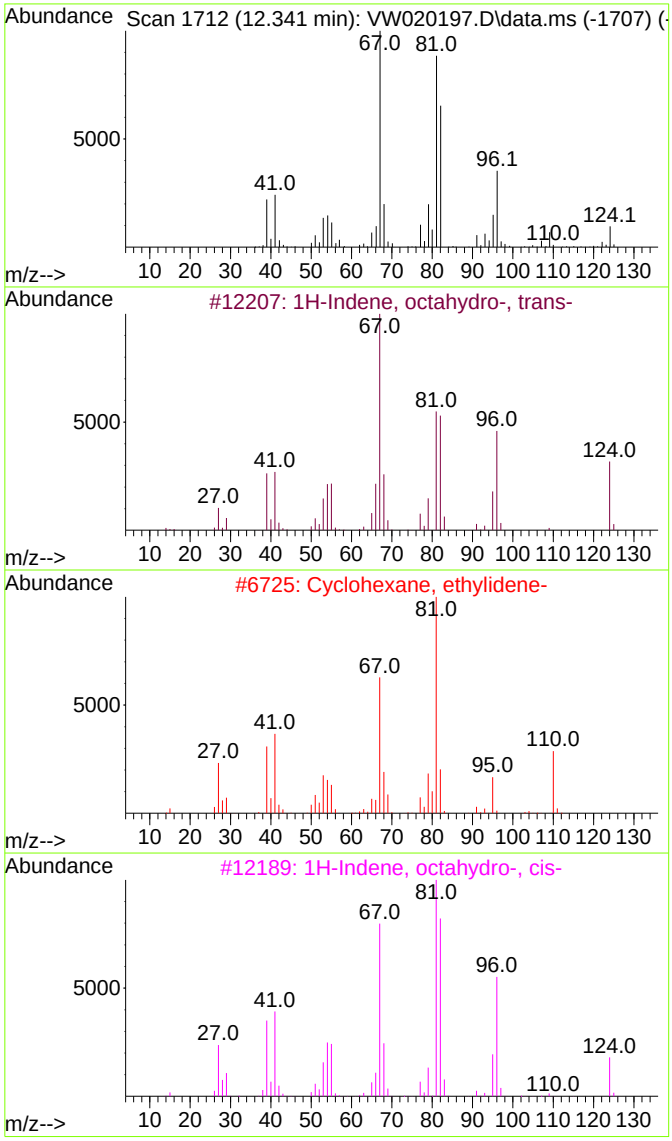
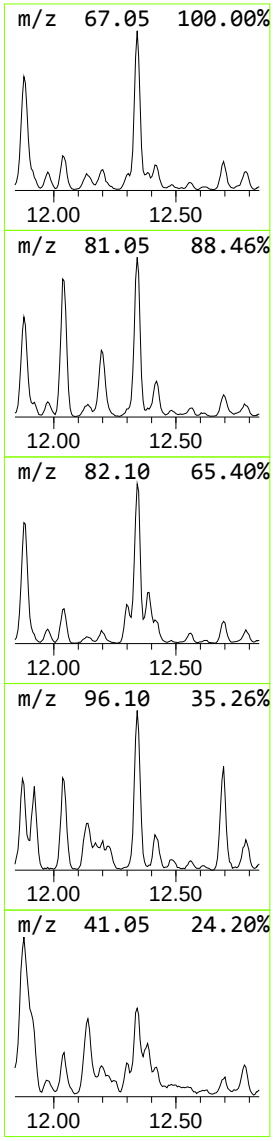
Peak Number 28 1H-Indene, octahydro-, trans- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.341	7.97 ug/L	316739	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	58
2	Cyclohexane, ethylidene-	110	C8H14	001003-64-1	50
3	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	50
4	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	50
5	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	49





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Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

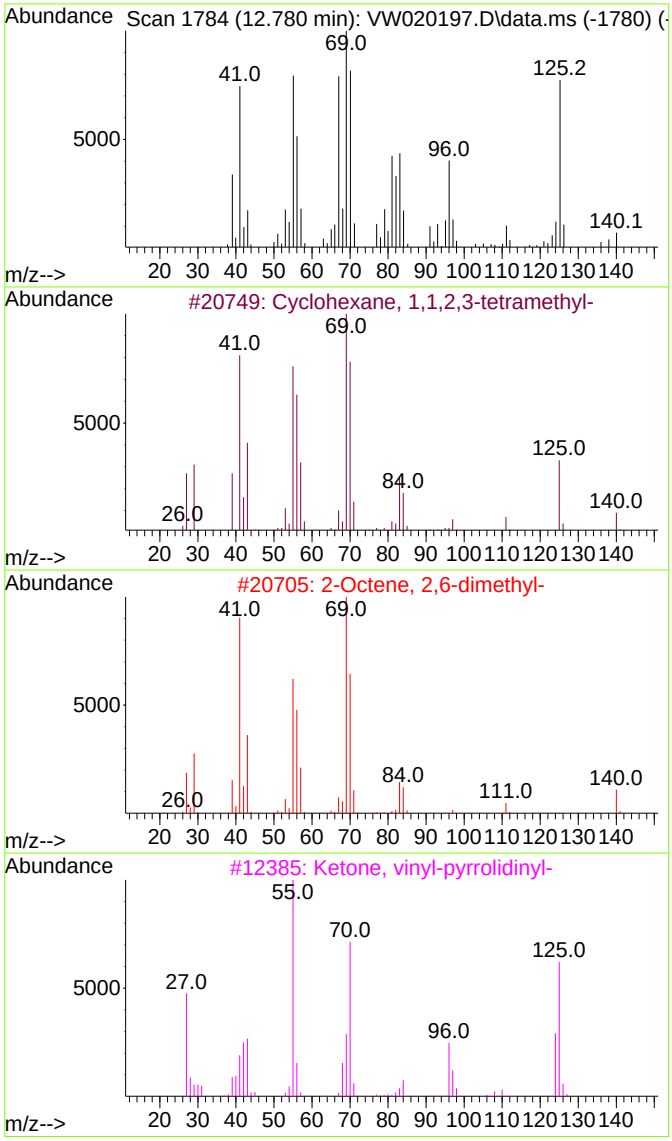
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

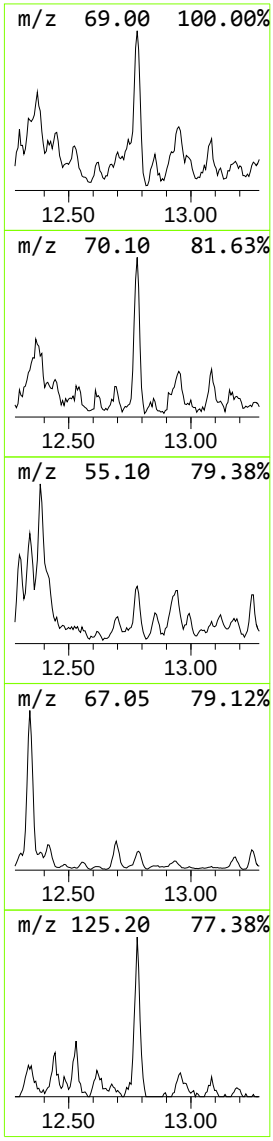
****

Peak Number 30 (DEL) Alkane: Cyclic12.780 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	5.81 ug/L	109171	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	55
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	41
3	Ketone, vinyl-pyrrolidinyl-	125	C7H11NO	042104-70-1	38
4	Hexanenitrile, 5-methyl-	111	C7H13N	019424-34-1	25
5	Cyclopropane, 1,2-dimethyl-3-pen...	140	C10H20	062238-10-2	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

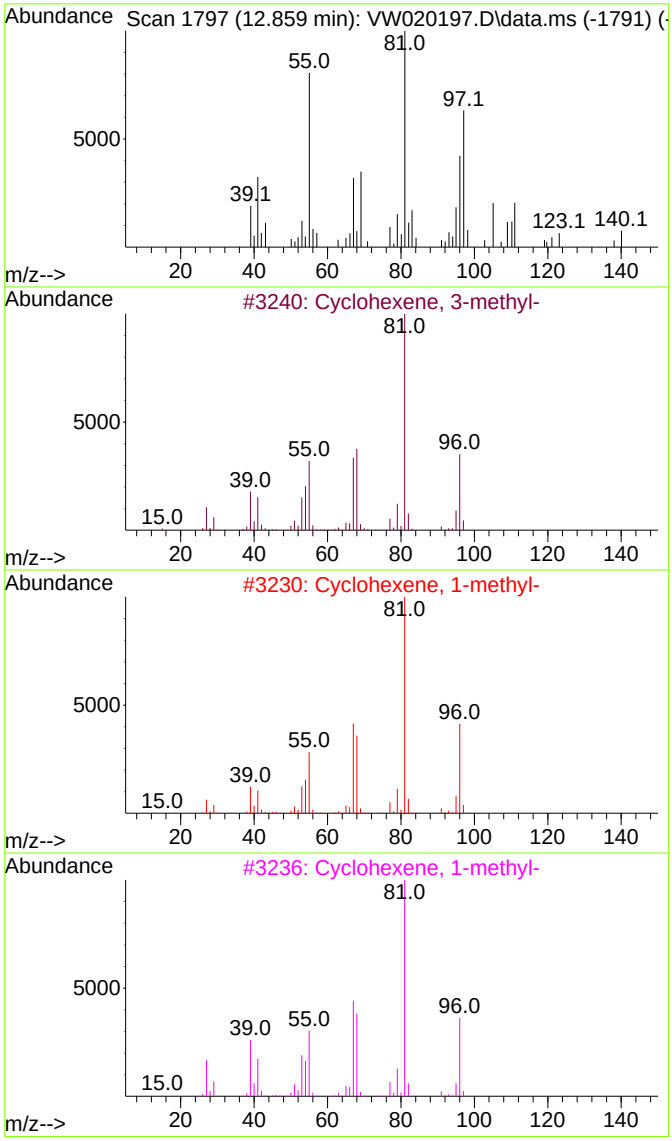
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

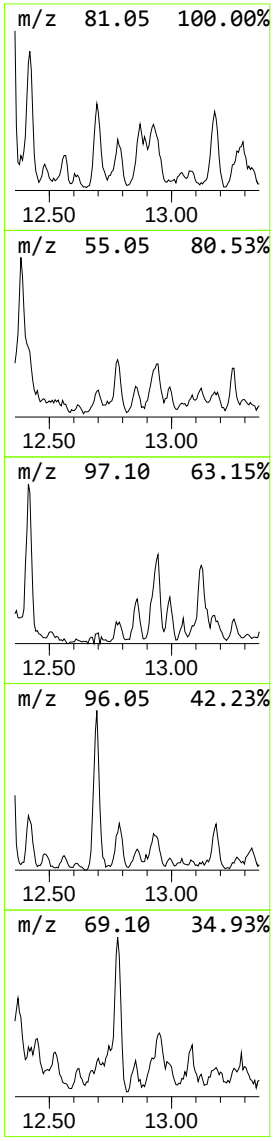
****

Peak Number 31 unknown-02 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	1.99 ug/L	37353	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	49
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	46
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	43
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	43
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T8RE

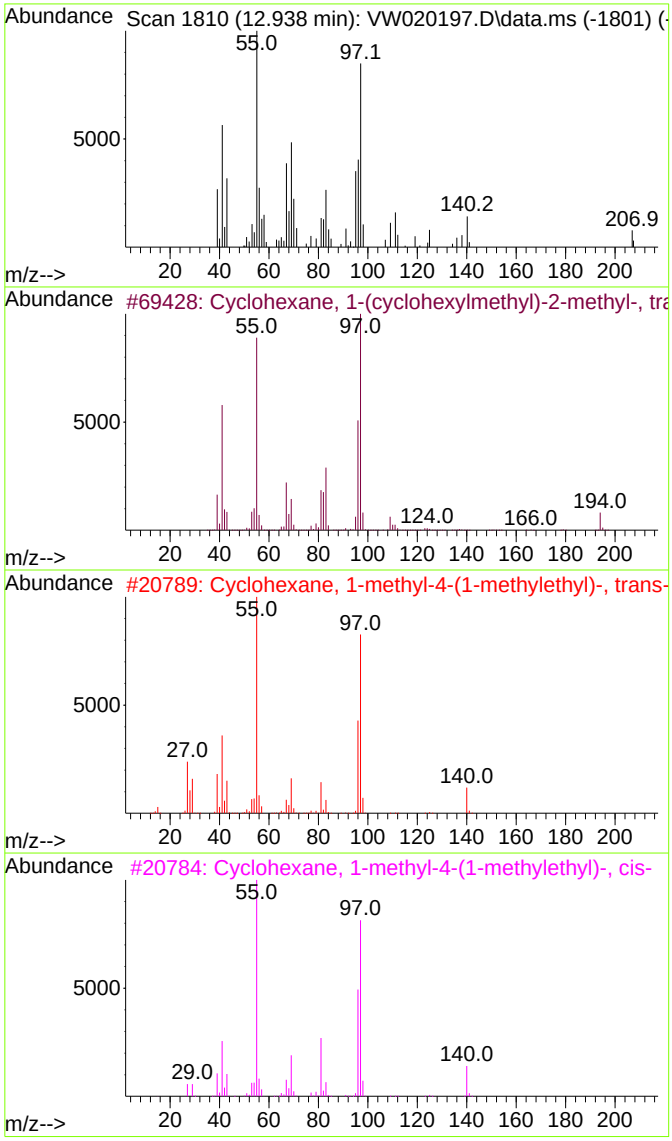
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

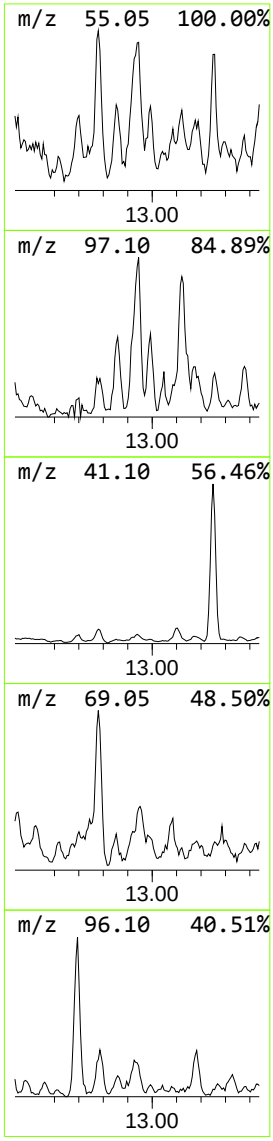
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Cyclohexane, 1-(cyclohexylm... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.938	4.82 ug/L	90633	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-(cyclohexylmethyl...	194	C14H26	054823-94-8	50
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	49
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	49
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	49
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T8RE

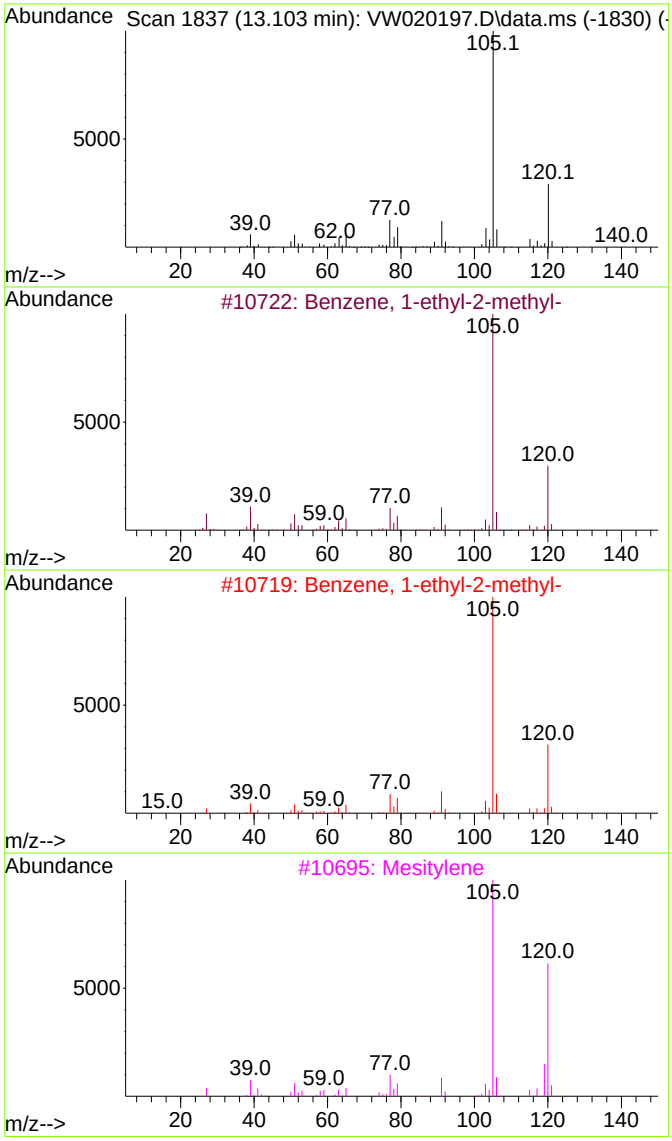
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

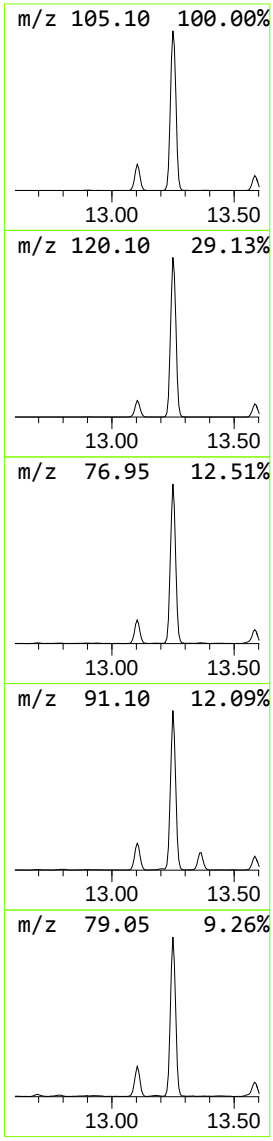
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	59.07 ug/L	1109960	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T8RE

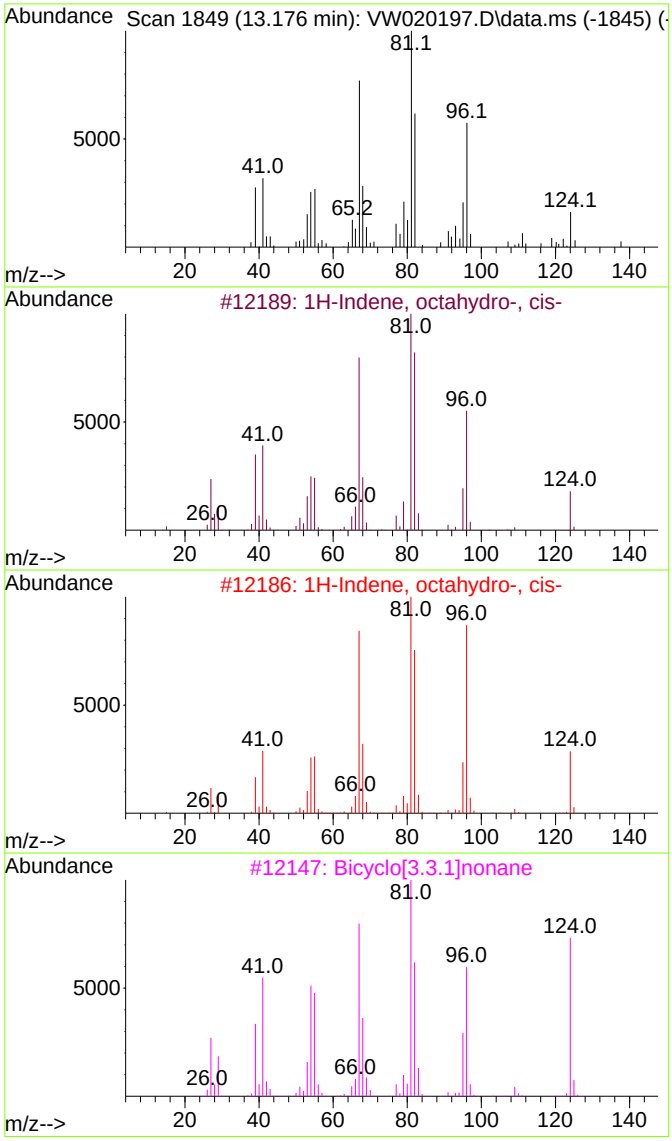
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

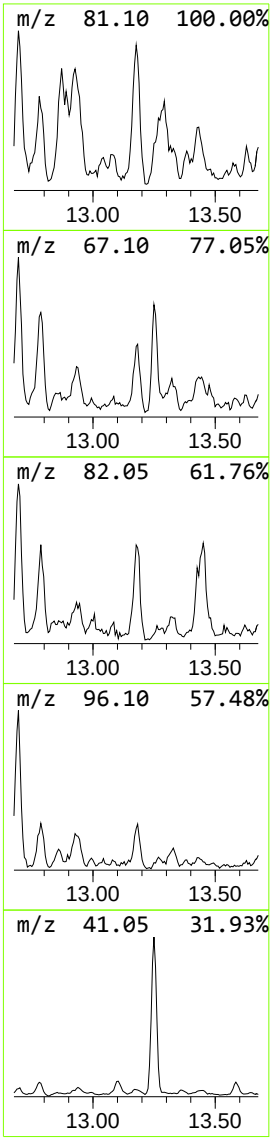
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 1H-Indene, octahydro-, cis- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.176	3.18 ug/L	59753	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	94
2	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	93
3	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	91
4	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	83
5	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

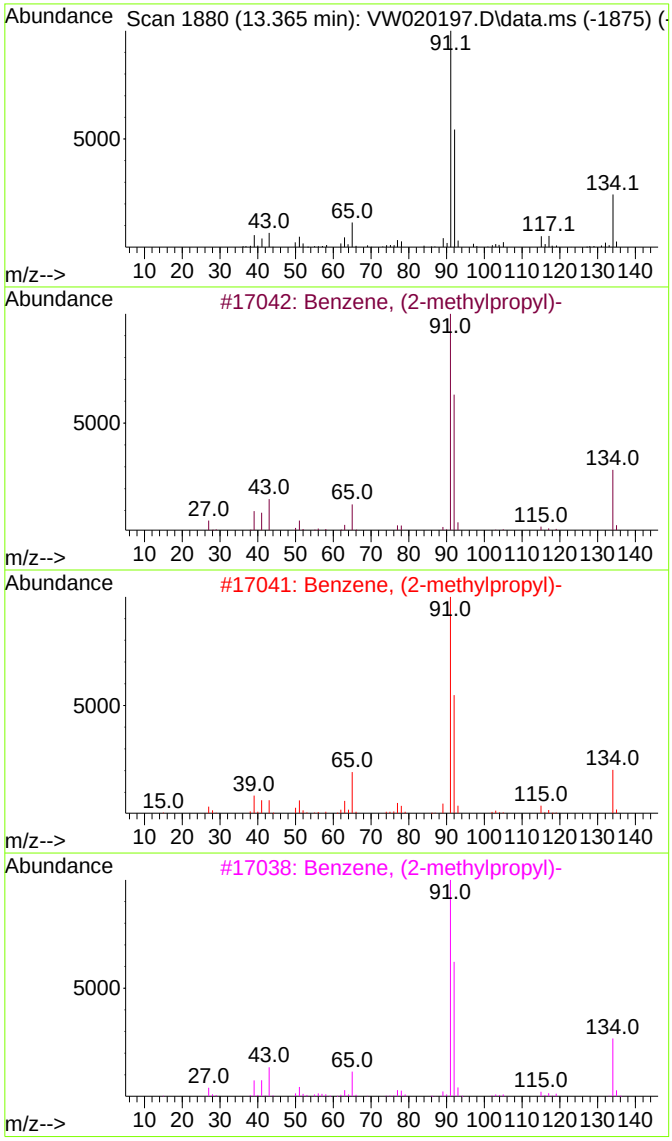
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

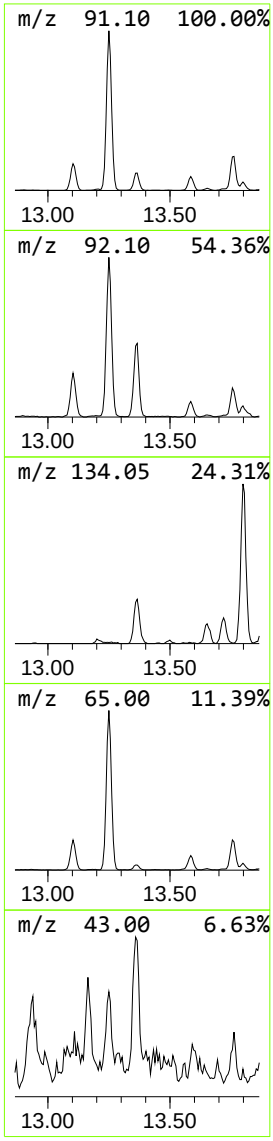
****

Peak Number 35 Benzene, (2-methylpropyl)- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.365	5.41 ug/L	101718	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	87
2	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	87
3	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	83
4	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	83
5	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

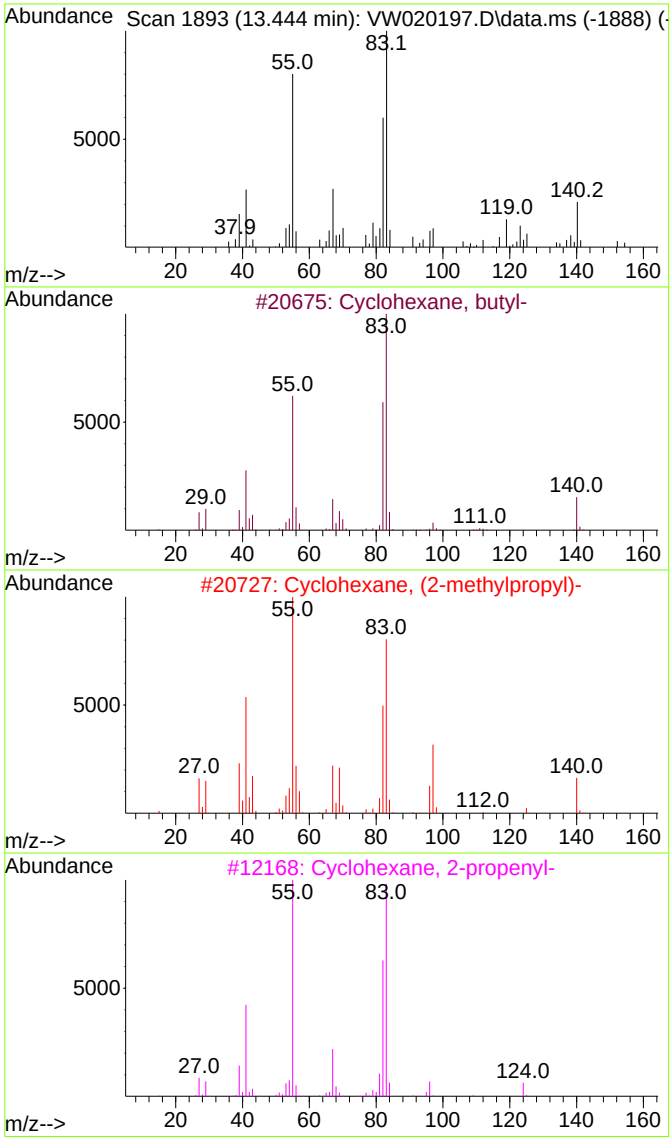
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

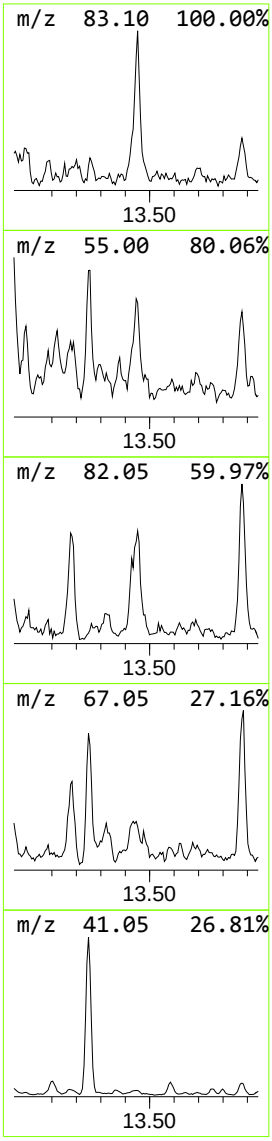
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 (DEL) Alkane: Cyclic13.444 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.444	1.77 ug/L	33193	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	72
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	59
3	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	58
4	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	53
5	1,6-Octadiene, 5,7-dimethyl-, (R)-	138	C10H18	085006-04-8	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

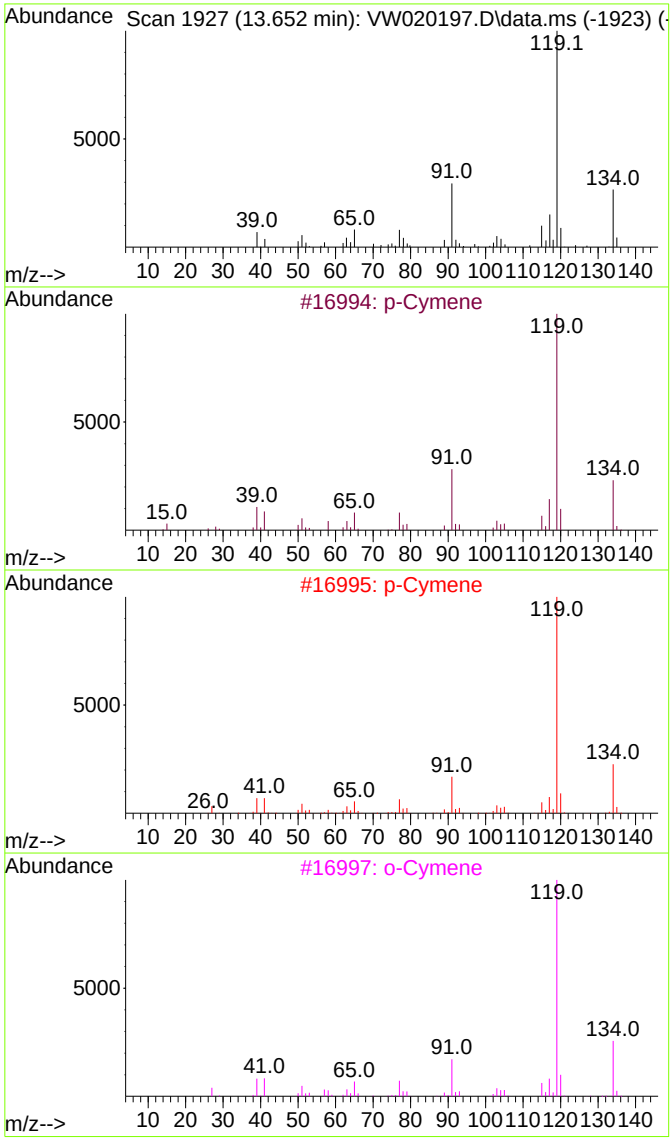
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

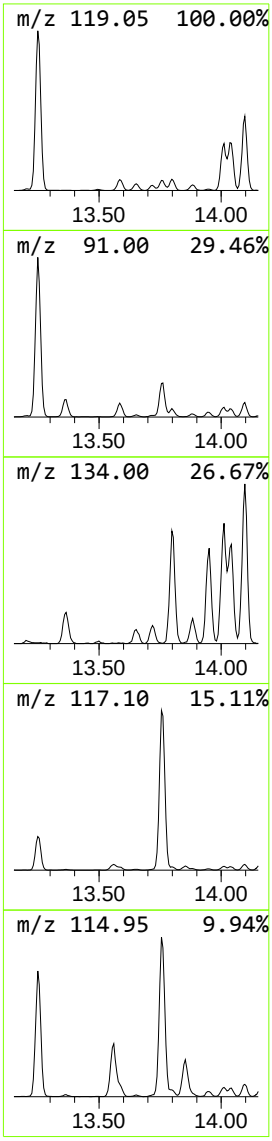
****

Peak Number 37 p-Cymene Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.652	2.60 ug/L	48839	1,4-Dichlorobenzene-d4	13.560

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T8RE

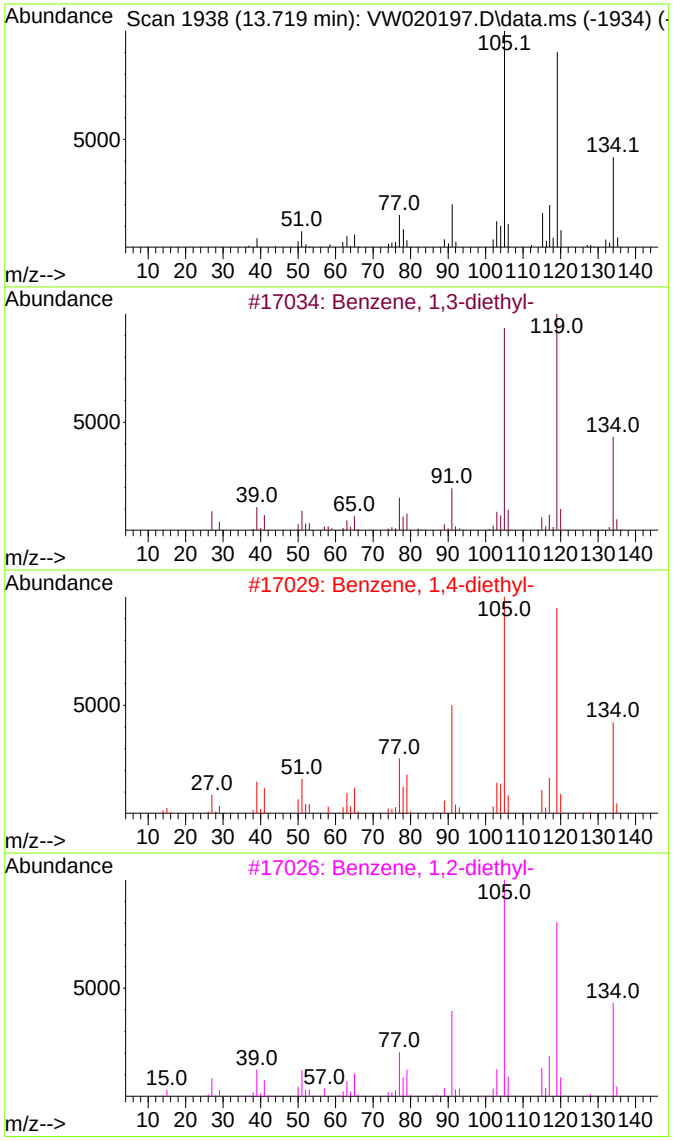
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

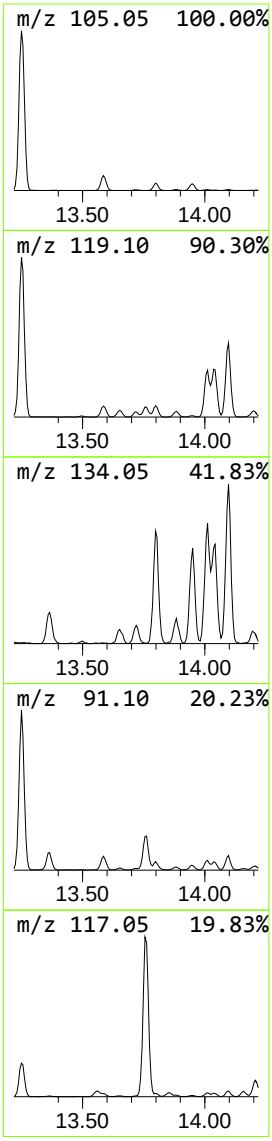
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Benzene, 1,3-diethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.719	2.65 ug/L	49866	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	93
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

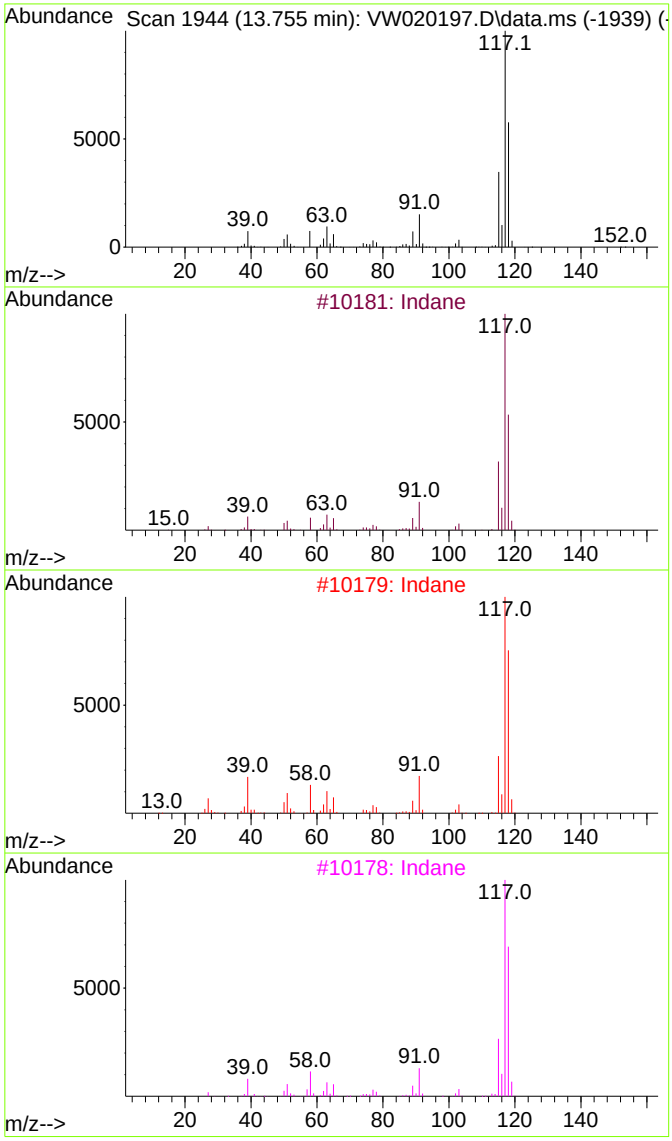
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

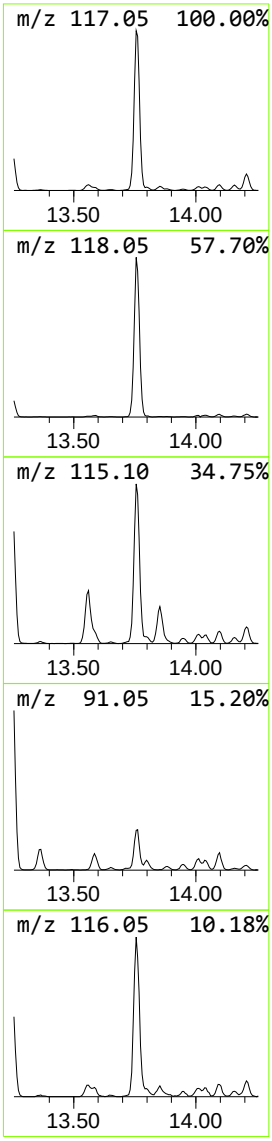
****

Peak Number 39 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.755	73.77 ug/L	1386050	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Indane	118	C9H10	000496-11-7	87
3	Indane	118	C9H10	000496-11-7	81
4	Indane	118	C9H10	000496-11-7	64
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

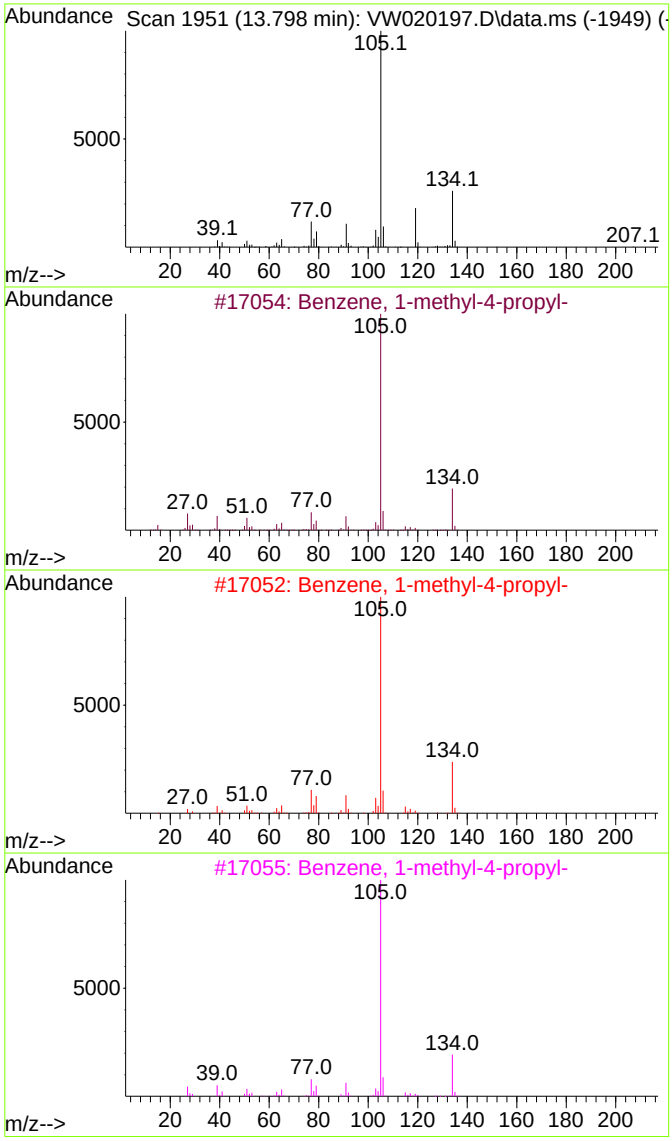
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

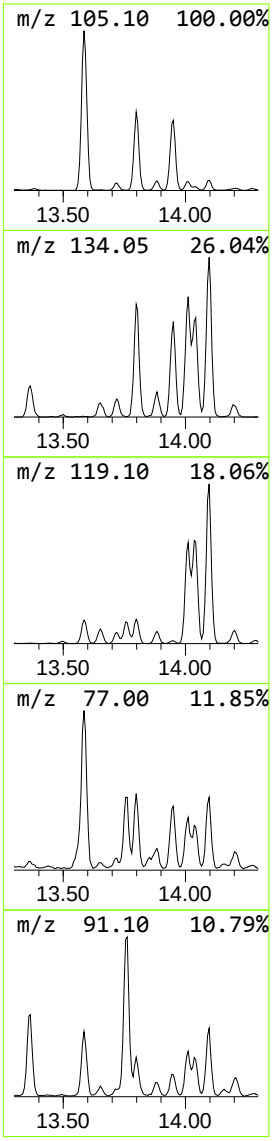
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 Benzene, 1-methyl-4-propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.798	14.52 ug/L	272745	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	86
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

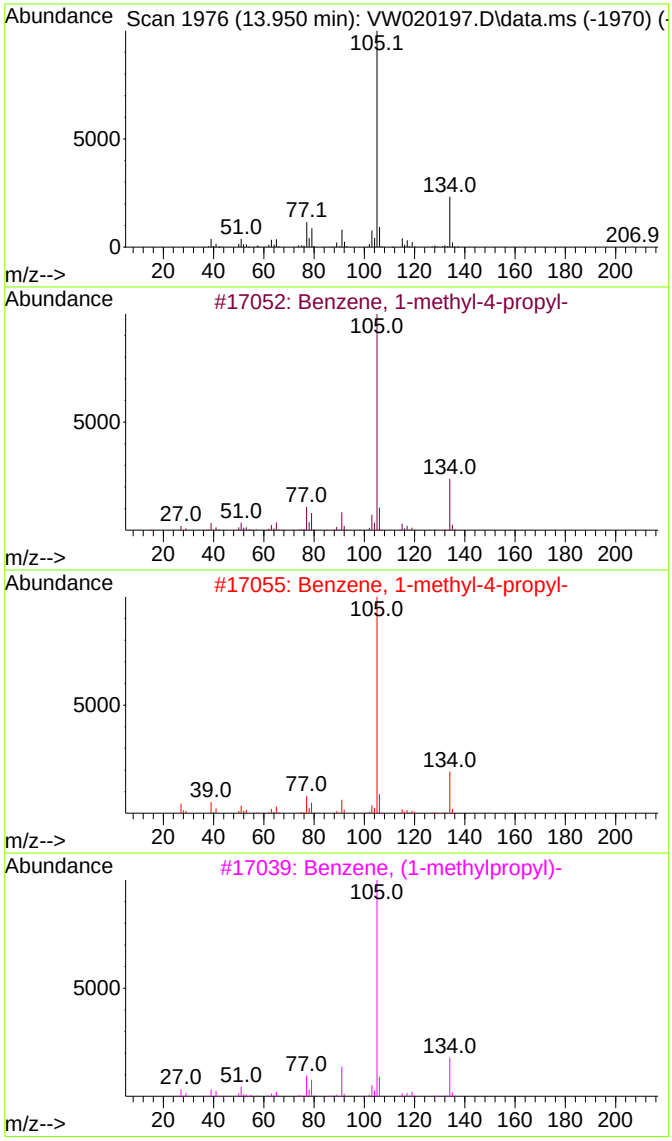
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

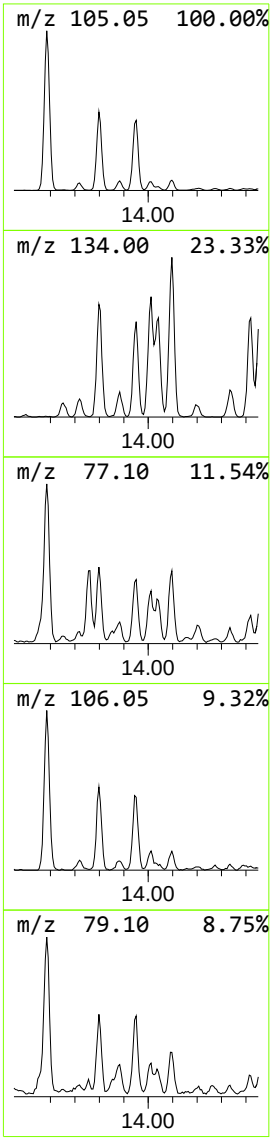
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 Benzene, (1-methylpropyl)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.950	14.36 ug/L	269813	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	95
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

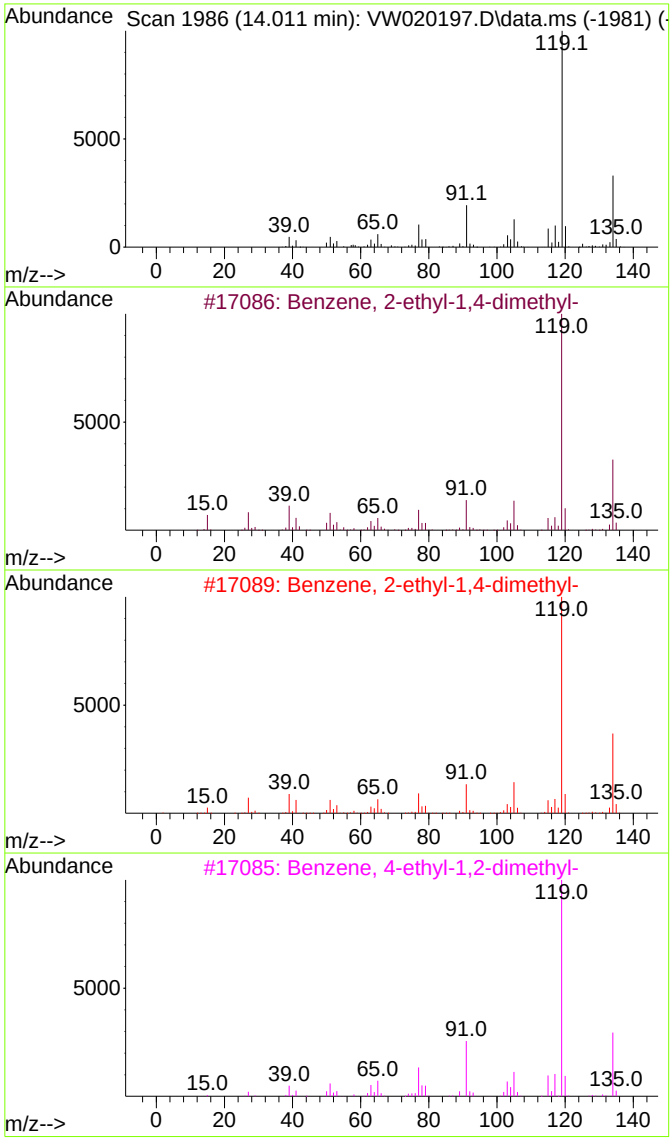
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

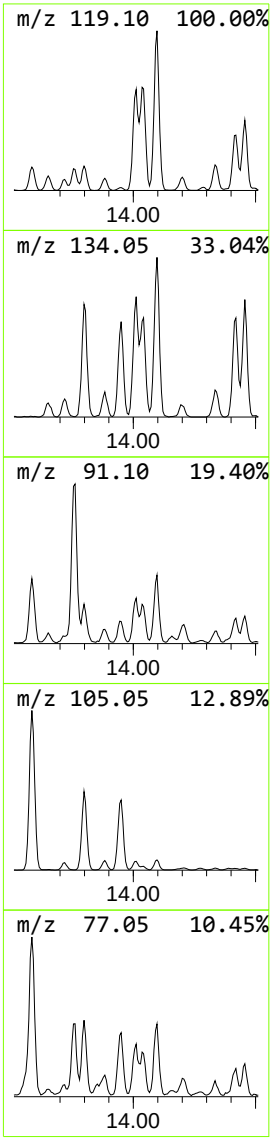
****

Peak Number 42 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.011	16.00 ug/L	300653	1,4-Dichlorobenzene-d4	13.560

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

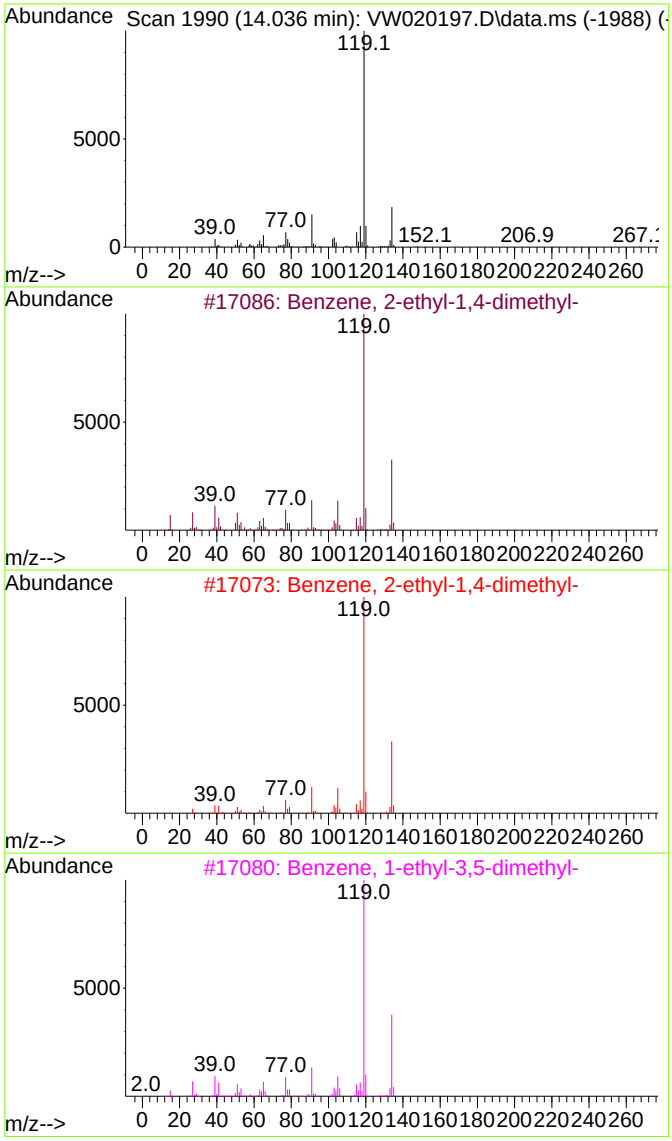
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

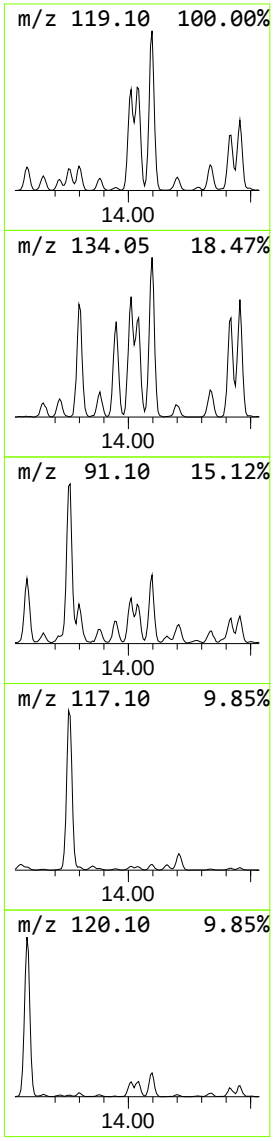
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.036	13.52 ug/L	253992	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

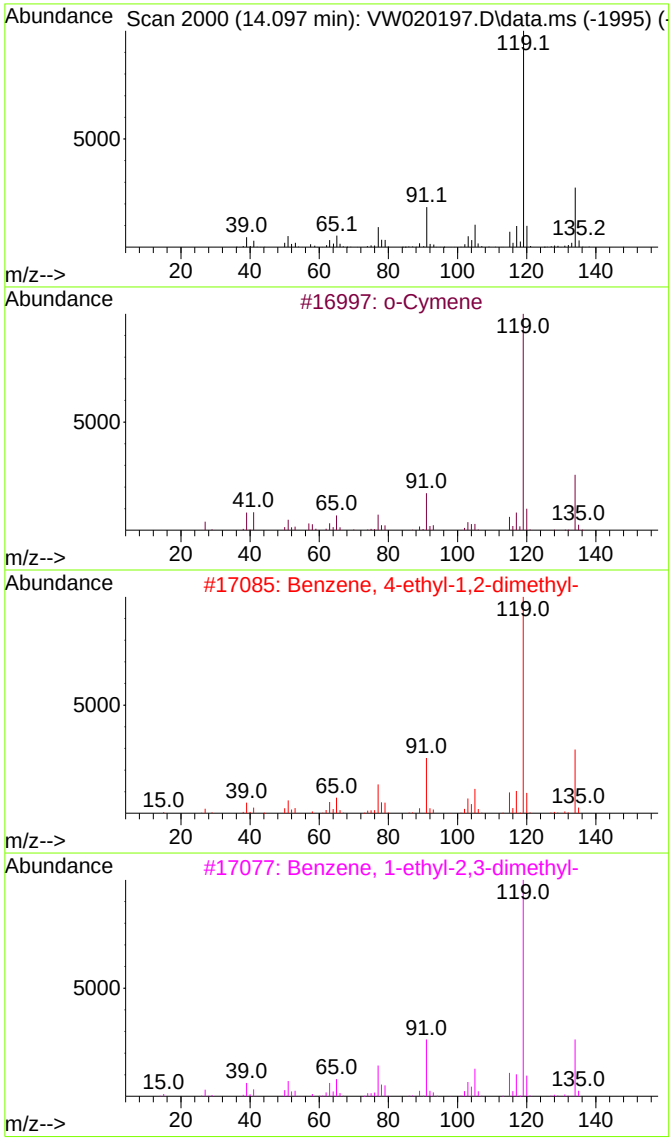
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

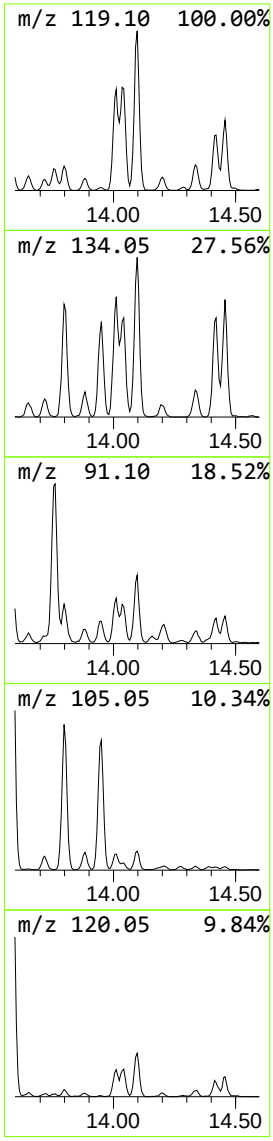
****

Peak Number 44 o-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.097	22.18 ug/L	416687	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T8RE

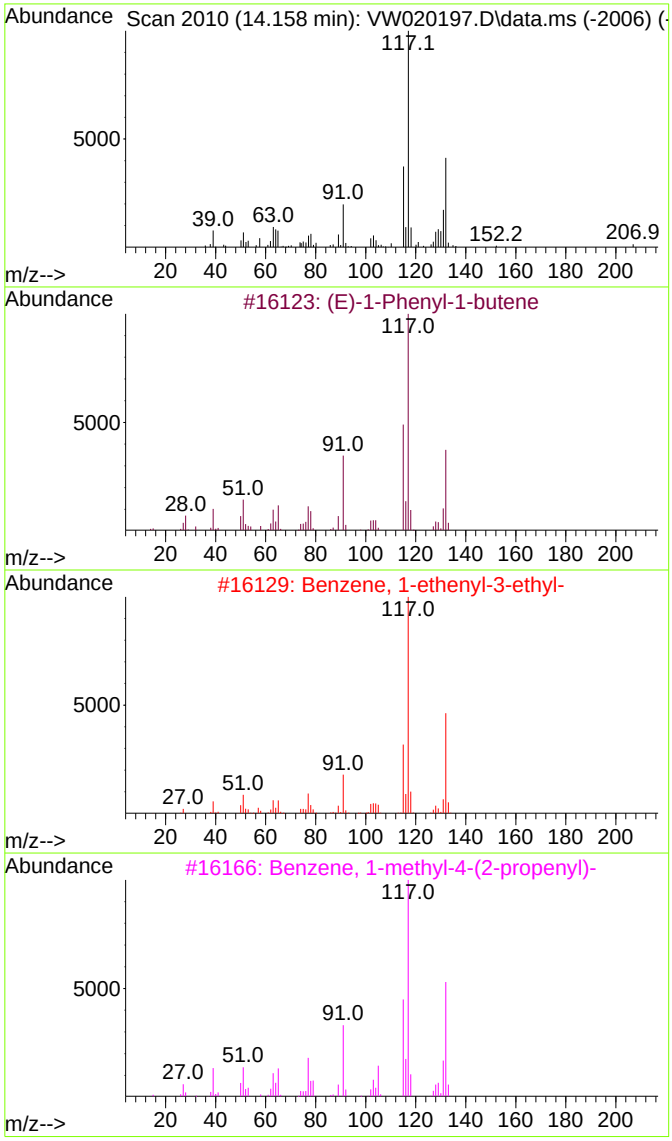
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

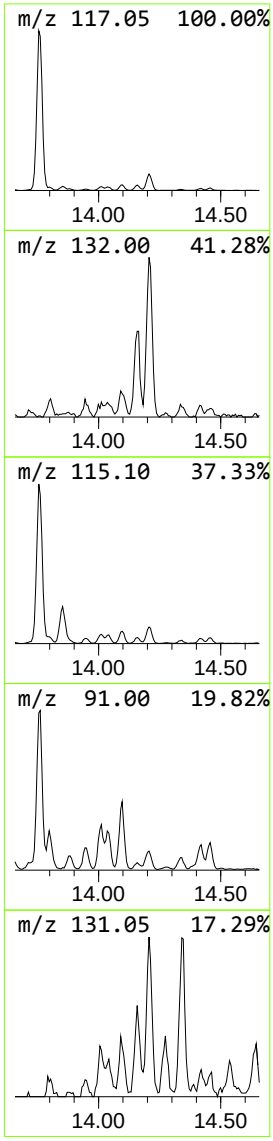
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 (E)-1-Phenyl-1-butene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.158	2.87 ug/L	53889	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	93
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	90
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87
5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

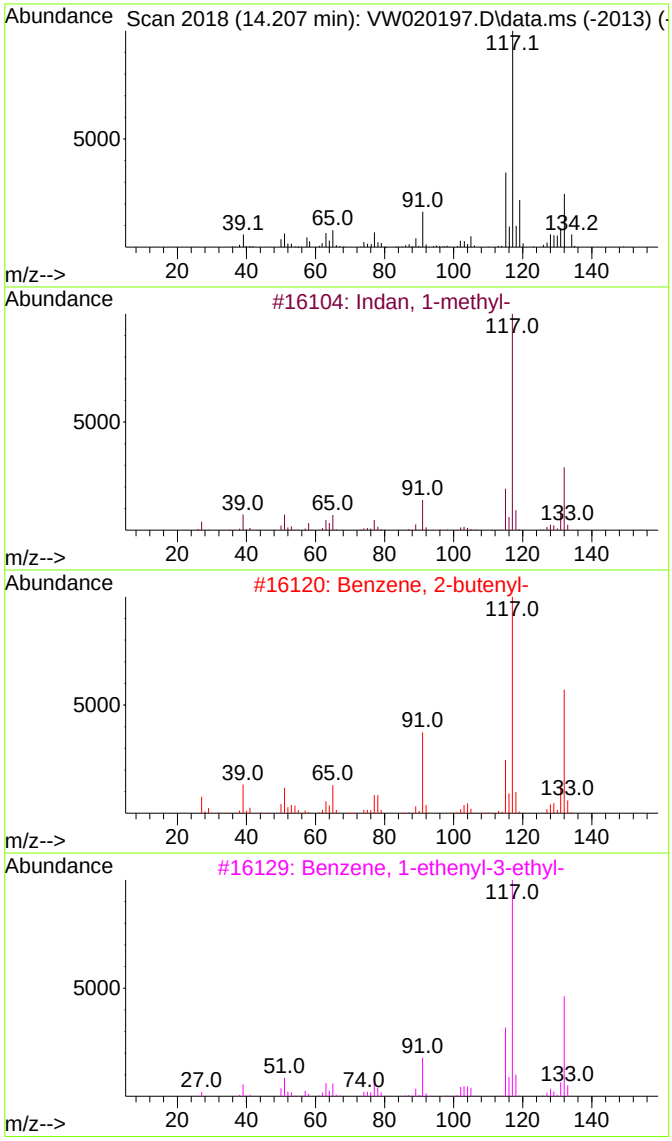
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

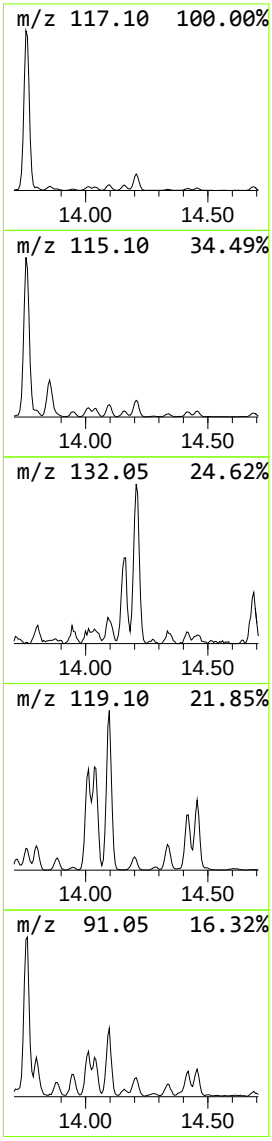
****

Peak Number 46 Indan, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.207	9.07 ug/L	170385	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	81
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	72
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	72
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	72
5	Indan, 1-methyl-	132	C10H12	000767-58-8	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EW7T8RE

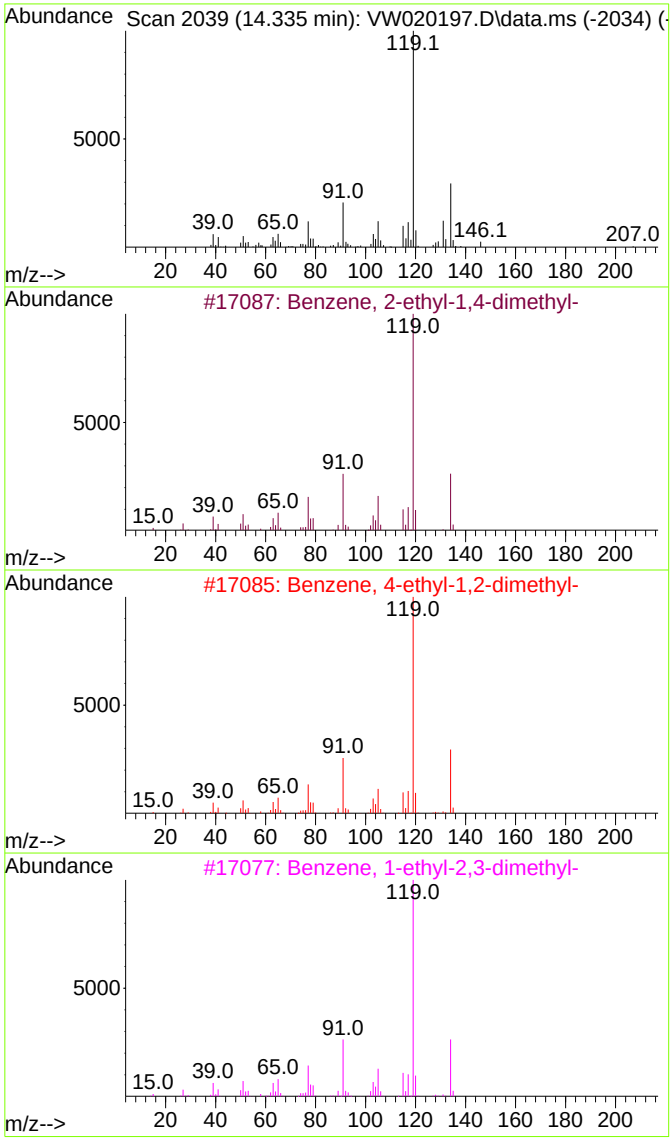
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

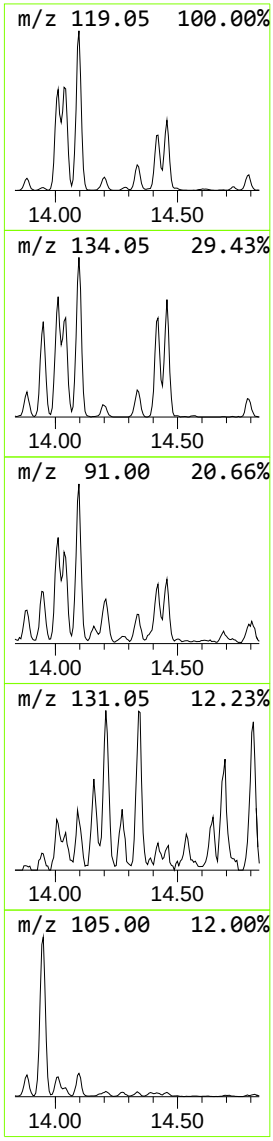
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.335	4.42 ug/L	83142	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

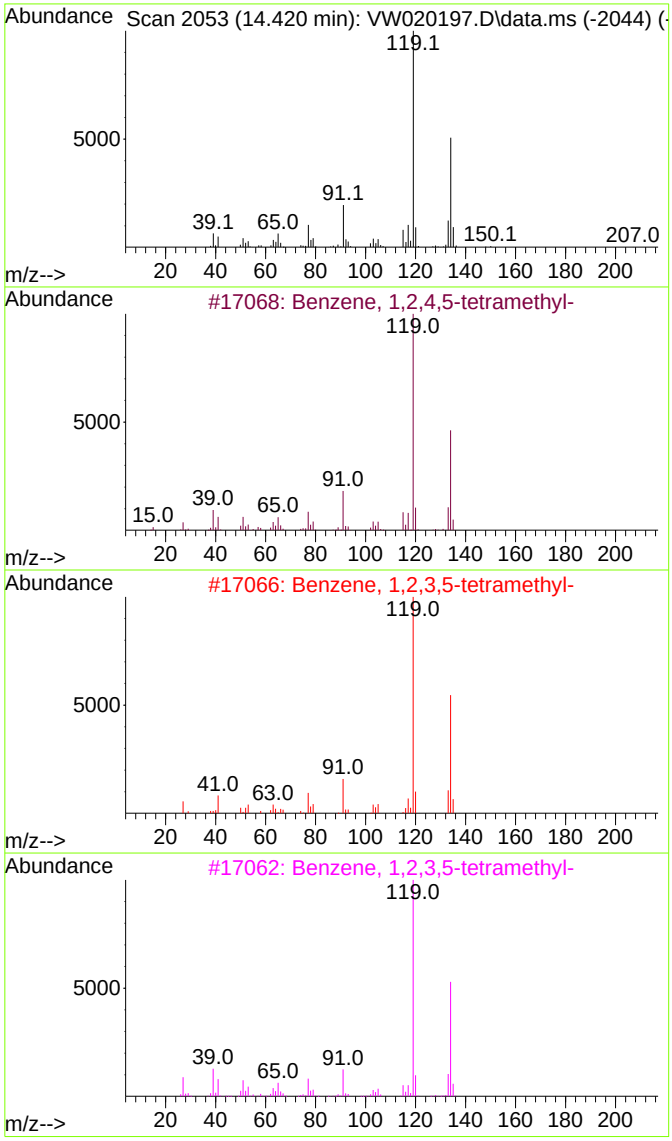
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

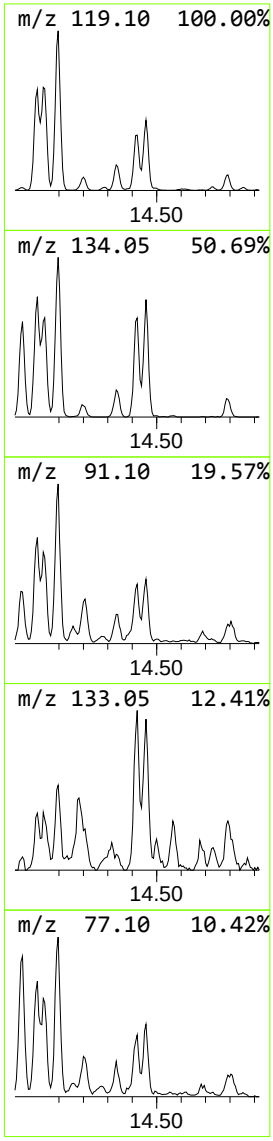
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.420	10.36 ug/L	194634	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

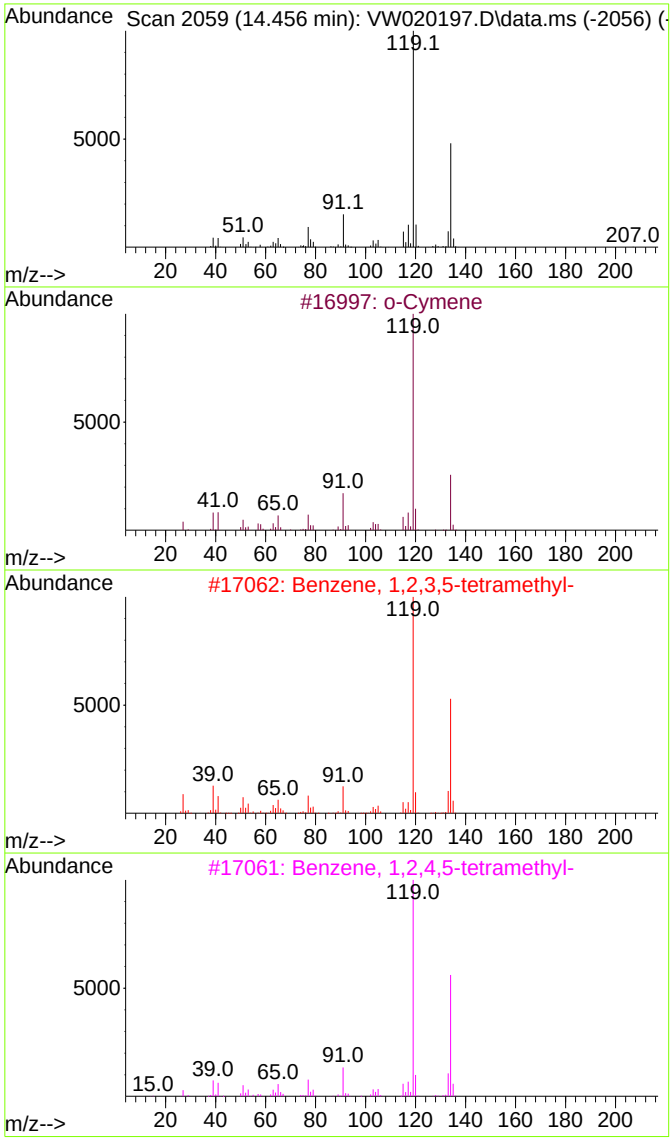
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

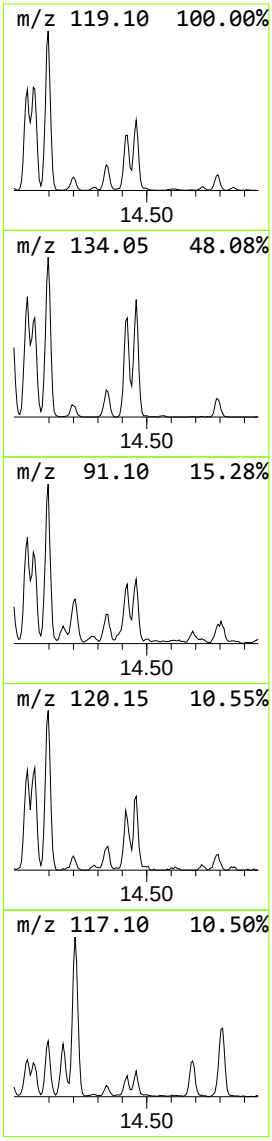
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.457	8.80 ug/L	165417	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	96
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

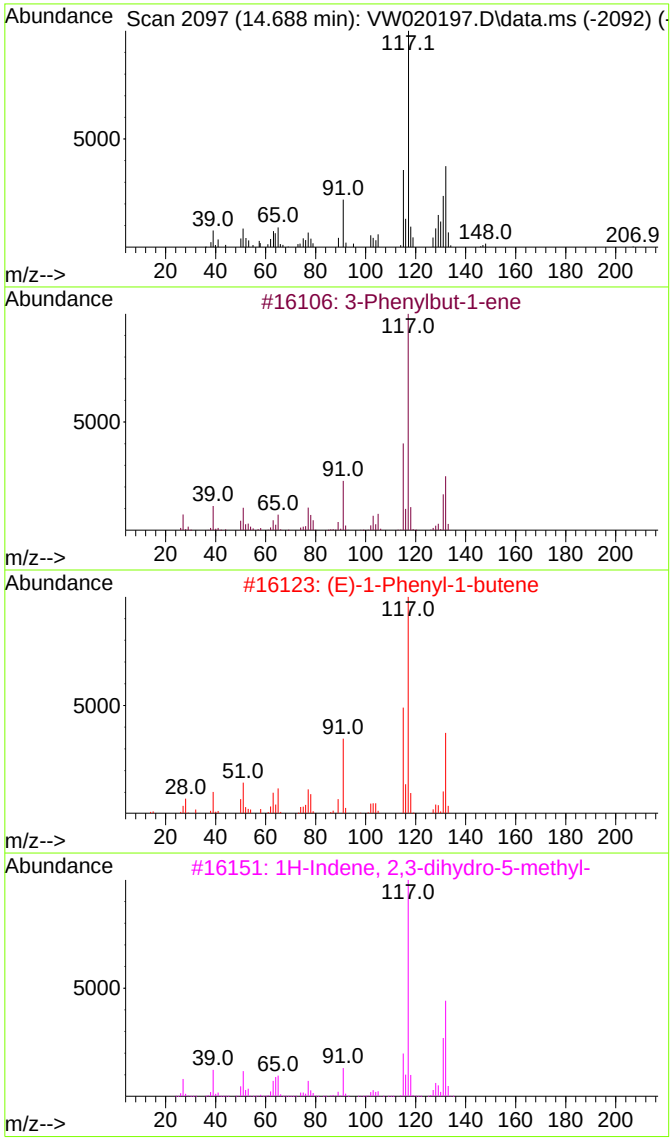
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

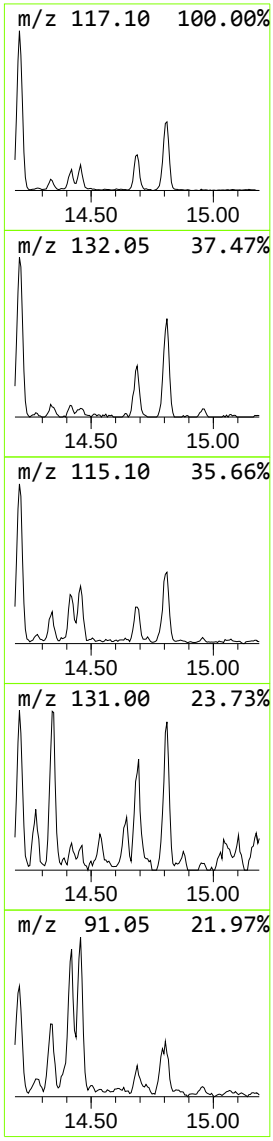
****

Peak Number 50 3-Phenylbut-1-ene Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.688	2.36 ug/L	44377	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
2	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	87
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	87
5	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

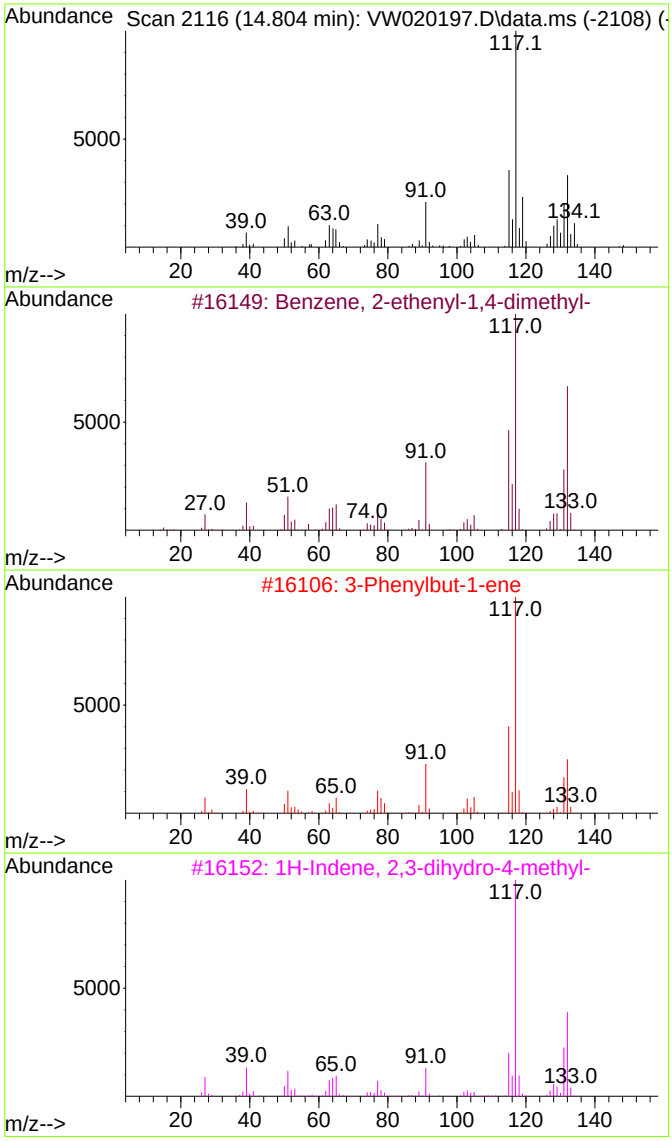
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
Quant Title : SFAM01.0

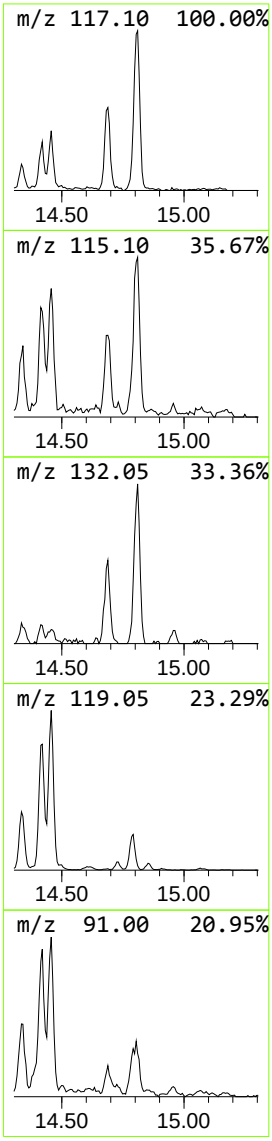
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.804	6.45 ug/L	121184	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	87
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	70
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092421\
Data File : VW020197.D
Acq On : 24 Sep 2021 17:07
Operator : SY/VA
Sample : M3874-14RE
Misc : 4.54g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : EW7T8RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.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: C...	9.610	3.9	ug/L	148758	1	8.848	951925	25.0
(DEL) Alkane: C...	9.750	5.0	ug/L	190901	1	8.848	951925	25.0
(DEL) Alkane: S...	9.896	2.1	ug/L	79210	1	8.848	951925	25.0
(DEL) Alkane: S...	10.079	2.5	ug/L	95374	1	8.848	951925	25.0
(DEL) Alkane: S...	10.128	2.5	ug/L	93506	1	8.848	951925	25.0
(DEL) Alkane: C...	10.244	2.5	ug/L	101533	2	11.634	993983	25.0
(DEL) Alkane: C...	10.445	2.6	ug/L	102321	2	11.634	993983	25.0
(DEL) Alkane: C...	10.500	16.9	ug/L	671587	2	11.634	993983	25.0
(DEL) Alkane: C...	10.665	28.7	ug/L	1139330	2	11.634	993983	25.0
(DEL) Alkane: C...	10.762	14.6	ug/L	581943	2	11.634	993983	25.0
(DEL) Alkane: S...	10.847	3.6	ug/L	142552	2	11.634	993983	25.0
(DEL) Alkane: S...	11.036	5.4	ug/L	214271	2	11.634	993983	25.0
(DEL) Alkane: C...	11.110	5.9	ug/L	234647	2	11.634	993983	25.0
(DEL) Alkane: C...	11.177	38.7	ug/L	1538300	2	11.634	993983	25.0
(DEL) Alkane: C...	11.231	26.3	ug/L	1044830	2	11.634	993983	25.0
1,1'-Bicyclooctyl	11.286	3.5	ug/L	141061	2	11.634	993983	25.0
unknown-01	11.335	8.1	ug/L	320387	2	11.634	993983	25.0
(DEL) Alkane: S...	11.384	1.4	ug/L	57368	2	11.634	993983	25.0
(DEL) Alkane: C...	11.439	13.2	ug/L	525176	2	11.634	993983	25.0
(DEL) Alkane: S...	11.512	1.4	ug/L	57058	2	11.634	993983	25.0
(DEL) Alkane: C...	11.561	1.5	ug/L	60809	2	11.634	993983	25.0
Bicyclo[2.2.2]o...	11.975	1.3	ug/L	50210	2	11.634	993983	25.0
Cyclohexene, 4-...	12.042	5.3	ug/L	209799	2	11.634	993983	25.0
(DEL) Alkane: C...	12.140	8.1	ug/L	323201	2	11.634	993983	25.0
Cyclohexene,3-p...	12.195	5.0	ug/L	199124	2	11.634	993983	25.0
(DEL) Alkane: C...	12.298	1.8	ug/L	70459	2	11.634	993983	25.0
1H-Indene, octa...	12.341	8.0	ug/L	316739	2	11.634	993983	25.0
(DEL) Alkane: C...	12.780	5.8	ug/L	109171	3	13.560	469736	25.0
unknown-02	12.859	2.0	ug/L	37353	3	13.560	469736	25.0
Cyclohexane, 1-...	12.938	4.8	ug/L	90633	3	13.560	469736	25.0
Benzene, 1-ethy...	13.103	59.1	ug/L	1109960	3	13.560	469736	25.0
1H-Indene, octa...	13.176	3.2	ug/L	59753	3	13.560	469736	25.0
Benzene, (2-met...	13.365	5.4	ug/L	101718	3	13.560	469736	25.0
(DEL) Alkane: C...	13.444	1.8	ug/L	33193	3	13.560	469736	25.0
p-Cymene	13.652	2.6	ug/L	48839	3	13.560	469736	25.0
Benzene, 1,3-di...	13.719	2.6	ug/L	49866	3	13.560	469736	25.0
Indane	13.755	73.8	ug/L	1386050	3	13.560	469736	25.0
Benzene, 1-meth...	13.798	14.5	ug/L	272745	3	13.560	469736	25.0
Benzene, (1-met...	13.950	14.4	ug/L	269813	3	13.560	469736	25.0
Benzene, 2-ethy...	14.011	16.0	ug/L	300653	3	13.560	469736	25.0
Benzene, 1-ethy...	14.036	13.5	ug/L	253992	3	13.560	469736	25.0
o-Cymene	14.097	22.2	ug/L	416687	3	13.560	469736	25.0
(E)-1-Phenyl-1-...	14.158	2.9	ug/L	53889	3	13.560	469736	25.0
Indan, 1-methyl-	14.207	9.1	ug/L	170385	3	13.560	469736	25.0
Benzene, 4-ethy...	14.335	4.4	ug/L	83142	3	13.560	469736	25.0
Benzene, 1,2,4,...	14.420	10.4	ug/L	194634	3	13.560	469736	25.0
Benzene, 1,2,3,...	14.457	8.8	ug/L	165417	3	13.560	469736	25.0
3-Phenylbut-1-ene	14.688	2.4	ug/L	44377	3	13.560	469736	25.0
Benzene, 2-ethe...	14.804	6.5	ug/L	121184	3	13.560	469736	25.0