LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

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\SFAMWLM120921SMA.M
Title : SFAM01.0

Signal : TIC: VW021564.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.983	11	13	22	rVB2	1731	3016	0.12%	0.021%
2	2.148	37	40	44	rBV2	380	534	0.02%	0.004%
3	2.343	66	72	85	rVB	45983	73693	3.03%	0.505%
4	2.495	91	97	108	rBV	8194	17943	0.74%	0.123%
5	2.812	143	149	153	rBV	4706	8282	0.34%	0.057%
6	2.873	153	159	170	rVB	25458	52371	2.16%	0.359%
7	3.379	237	242	249	rVB3	354	587	0.02%	0.004%
8	3.855	316	320	322	rVB	110	169	0.01%	0.001%
9	4.007	334	345	360	rBV	55721	164042	6.75%	1.124%
10	4.141	361	367	382	rVV2	3259	9894	0.41%	0.068%
11	4.373	395	405	417	rBV	2508	7527	0.31%	0.052%
12	4.678	448	455	458	rBV2	273	553	0.02%	0.004%
13	4.824	477	479	483	rBV	163	229	0.01%	0.002%
14	4.915	483	494	505	rVB2	6152	19032	0.78%	0.130%
15	5.781	626	636	637	rBV2	1314	2306	0.09%	0.016%
16	5.934	655	661	662	rBV2	910	1390	0.06%	0.010%
17	6.062	680	682	686	rVB2	146	187	0.01%	0.001%
18	6.098	687	688	693	rBV	150	281	0.01%	0.002%
19	6.263	713	715	720	rBB2	152	243	0.01%	0.002%
20	6.598	769	770	774	rVB	159	180	0.01%	0.001%
21	6.903	807	820	831	rBV6	2405	8772	0.36%	0.060%
22	7.086	840	850	860	rBV	13166	37883	1.56%	0.260%
23	7.647	932	942	954	rVV	86010	211566	8.71%	1.450%
24	8.031	997	1005	1013	rBB5	3109	7862	0.32%	0.054%
25	8.275	1033	1045	1059	rBV2	164186	495827	20.41%	3.398%
26	8.421	1063	1069	1072	rVV2	3038	7500	0.31%	0.051%
27	8.476	1072	1078	1089	rVB	17101	41094	1.69%	0.282%
28	8.701	1111	1115	1116	rBV2	283	425	0.02%	0.003%
29	8.842	1129	1138	1148	rBV	174398	343604	14.14%	2.355%
30	9.073	1170	1176	1182	rBV6	1960	3829	0.16%	0.026%
31	9.146	1182	1188	1194	rVB2	1536	2912	0.12%	0.020%
32	9.274	1200	1209	1215	rBV	112562	233804	9.62%	1.602%
33	9.329	1215	1218	1222	rVV	14220	24104	0.99%	0.165%
34	9.384	1222	1227	1236	rVB2	16049	31018	1.28%	0.213%
35	9.463	1236	1240	1246	rVB3	1836	3535	0.15%	0.024%
36	9.518	1246	1249	1251	rVB	187	208	0.01%	0.001%

LSC Area Percent Report

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Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

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\SFAMWLM120921SMA.M
Title : SFAM01.0

37	9.579	1251	1259	1260	rBV2	3277	5577	0.23%	0.038%
38	9.610	1261	1264	1269	rVB2	5737	8799	0.36%	0.060%
39	9.671	1269	1274	1280	rVB2	481	925	0.04%	0.006%
40	9.756	1281	1288	1296	rBB2	18714	36461	1.50%	0.250%
41	9.835	1296	1301	1302	rBV	124	173	0.01%	0.001%
42	9.890	1302	1310	1316	rBV	22187	44939	1.85%	0.308%
43	10.037	1323	1334	1345	rBV	64268	128227	5.28%	0.879%
44	10.122	1345	1348	1358	rVB3	3934	7719	0.32%	0.053%
45	10.244	1358	1368	1374	rBV2	10829	24673	1.02%	0.169%
46	10.323	1374	1381	1391	rBV	258806	465292	19.15%	3.188%
47	10.445	1395	1401	1404	rBV5	4227	7148	0.29%	0.049%
48	10.482	1404	1407	1412	rVB4	4291	6631	0.27%	0.045%
49	10.579	1417	1423	1432	rBV	45548	81750	3.36%	0.560%
50	10.664	1432	1437	1443	rBV2	17694	29931	1.23%	0.205%
51	10.762	1444	1453	1458	rBV6	13105	32108	1.32%	0.220%
52	10.847	1463	1467	1472	rVB2	13723	23766	0.98%	0.163%
53	10.927	1472	1480	1486	rBV3	78457	169144	6.96%	1.159%
54	11.030	1494	1497	1501	rVB2	20798	27746	1.14%	0.190%
55	11.109	1506	1510	1513	rBV	20520	32371	1.33%	0.222%
56	11.225	1520	1529	1534	rBV	73911	162418	6.68%	1.113%
57	11.372	1550	1553	1556	rBV3	12372	20265	0.83%	0.139%
58	11.433	1559	1563	1572	rVB	66416	141405	5.82%	0.969%
59	11.518	1572	1577	1584	rBV3	14862	28490	1.17%	0.195%
60	11.628	1589	1595	1603	rBV	252902	437063	17.99%	2.995%
61	11.762	1613	1617	1621	rVB	48150	71070	2.93%	0.487%
62	11.817	1621	1626	1629	rBV2	38574	61974	2.55%	0.425%
63	11.872	1629	1635	1639	rVV	113074	231745	9.54%	1.588%
64	11.914	1639	1642	1647	rVB	78335	127211	5.24%	0.872%
65	11.969	1647	1651	1654	rBV4	8496	15299	0.63%	0.105%
66	12.061	1659	1666	1670	rVB4	24147	63341	2.61%	0.434%
67	12.134	1671	1678	1685	rBV2	198676	482036	19.84%	3.303%
68	12.250	1693	1697	1701	rVB	143068	217302	8.94%	1.489%
69	12.304	1701	1706	1707	rBV	63517	96400	3.97%	0.661%
70	12.414	1721	1724	1733	rBV5	47264	121028	4.98%	0.829%
71	12.695	1762	1770	1775	rBV4	181490	395784	16.29%	2.712%
72	12.780	1780	1784	1790	rVB4	161933	300310	12.36%	2.058%
73	12.859	1790	1797	1801	rBV4	84944	199854	8.23%	1.370%
74	12.938	1805	1810	1816	rVB7	95034	214563	8.83%	1.470%
75	13.079	1829	1833	1836	rBV2	68180	97895	4.03%	0.671%
76	13.164	1843	1847	1855	rVB2	177194	309329	12.73%	2.120%

LSC Area Percent Report

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Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

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\SFAMWLM120921SMA.M
Title : SFAM01.0

77	13.292	1865	1868	1871	rVB3	51549	61737	2.54%	0.423%
78	13.481	1896	1899	1903	rVB4	45976	59826	2.46%	0.410%
79	13.554	1906	1911	1916	rBV	265447	451194	18.57%	3.092%
80	13.859	1954	1961	1962	rBV	241060	431555	17.76%	2.957%
81	13.932	1969	1973	1978	rBV	71354	113484	4.67%	0.778%
82	14.206	2012	2018	2021	rBV3	55266	104015	4.28%	0.713%
83	14.261	2021	2027	2034	rVB5	110250	273882	11.27%	1.877%
84	14.383	2042	2047	2049	rBV2	140122	229012	9.43%	1.569%
85	14.414	2049	2052	2056	rVB	212769	314138	12.93%	2.153%
86	14.493	2062	2065	2069	rVB2	33065	46073	1.90%	0.316%
87	14.725	2099	2103	2108	rVB	117065	175720	7.23%	1.204%
88	14.816	2114	2118	2123	rVB2	89008	141943	5.84%	0.973%
89	15.060	2155	2158	2162	rVB4	51045	65049	2.68%	0.446%
90	15.267	2189	2192	2197	rVB2	25966	40916	1.68%	0.280%
91	15.359	2197	2207	2214	rBV	530552	1005916	41.40%	6.893%
92	15.462	2219	2224	2229	rVV2	80169	146947	6.05%	1.007%
93	15.517	2230	2233	2237	rVB2	30063	43570	1.79%	0.299%
94	15.651	2247	2255	2262	rBV	219059	430706	17.73%	2.951%
95	15.816	2278	2282	2292	rVB2	124737	312738	12.87%	2.143%
96	15.944	2298	2303	2309	rBV	92229	191596	7.89%	1.313%
97	16.261	2351	2355	2362	rVB3	45714	101218	4.17%	0.694%
98	16.371	2362	2373	2379	rVV3	144106	413196	17.01%	2.831%
99	16.432	2379	2383	2399	rVB4	90481	264335	10.88%	1.811%
100	16.639	2408	2417	2431	rVB	1119884	2429589	100.00%	16.649%

Sum of corrected areas: 14592919

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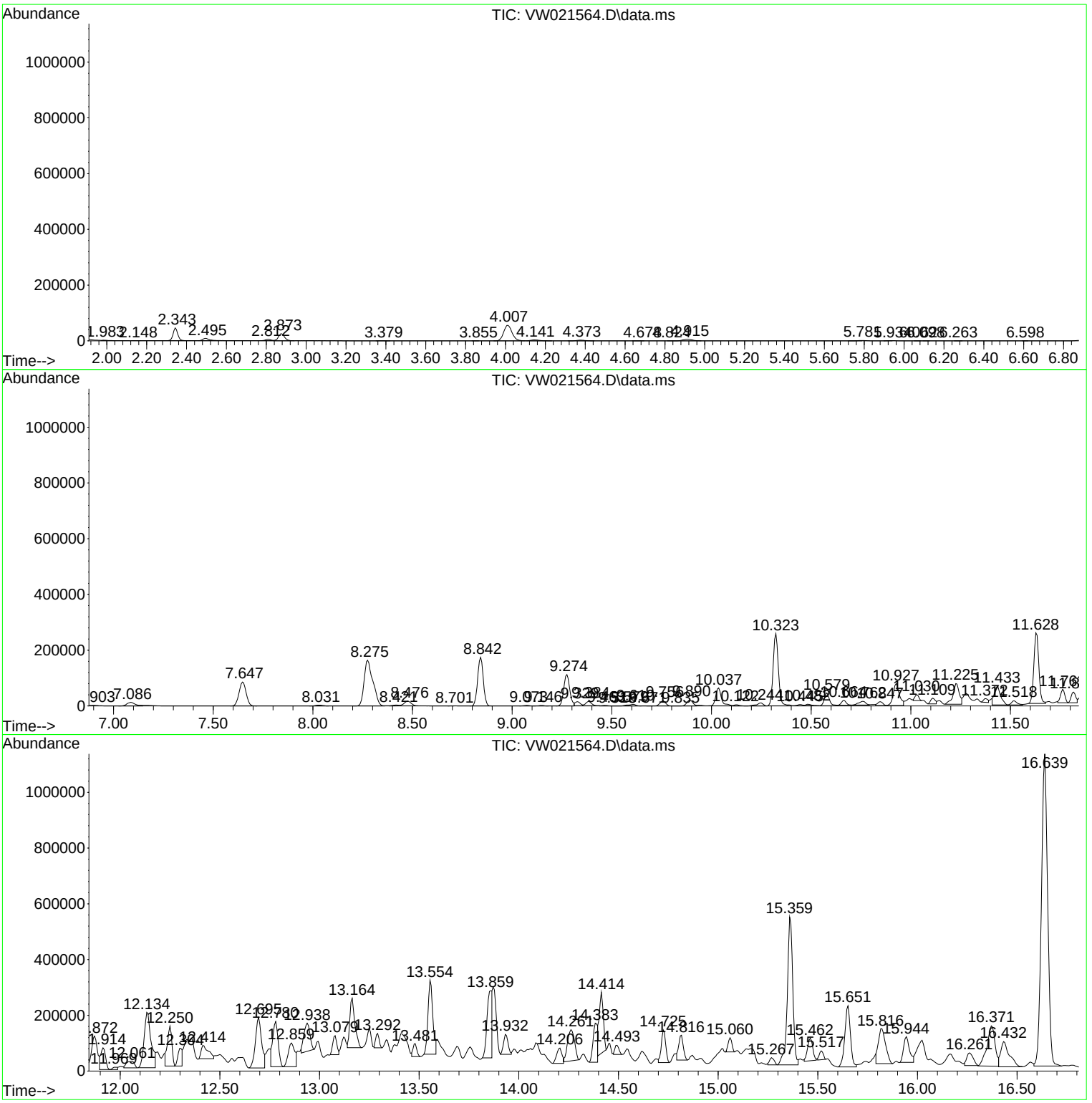
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

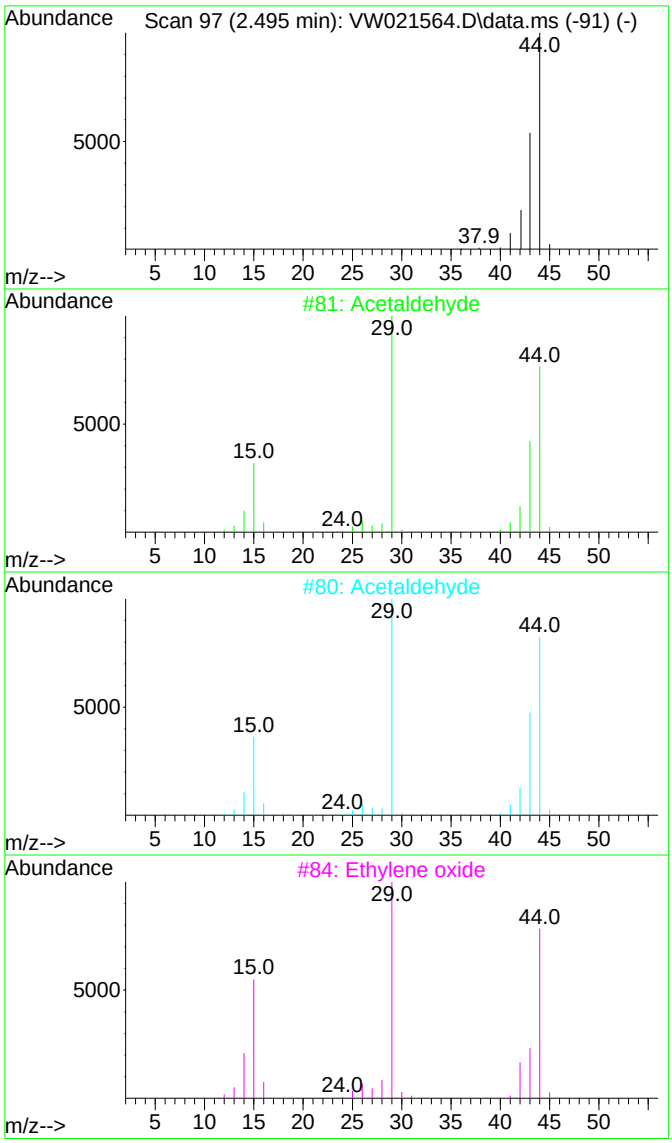
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

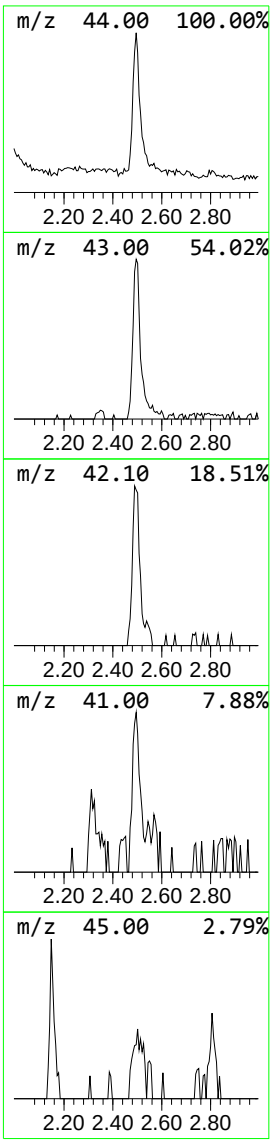
****

Peak Number 1 Acetaldehyde Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.495	1.31 ug/L	17943	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	74
2	Acetaldehyde	44	C2H4O	000075-07-0	74
3	Ethylene oxide	44	C2H4O	000075-21-8	5
4	Ethylene oxide	44	C2H4O	000075-21-8	5
5	Ethylene oxide	44	C2H4O	000075-21-8	5





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

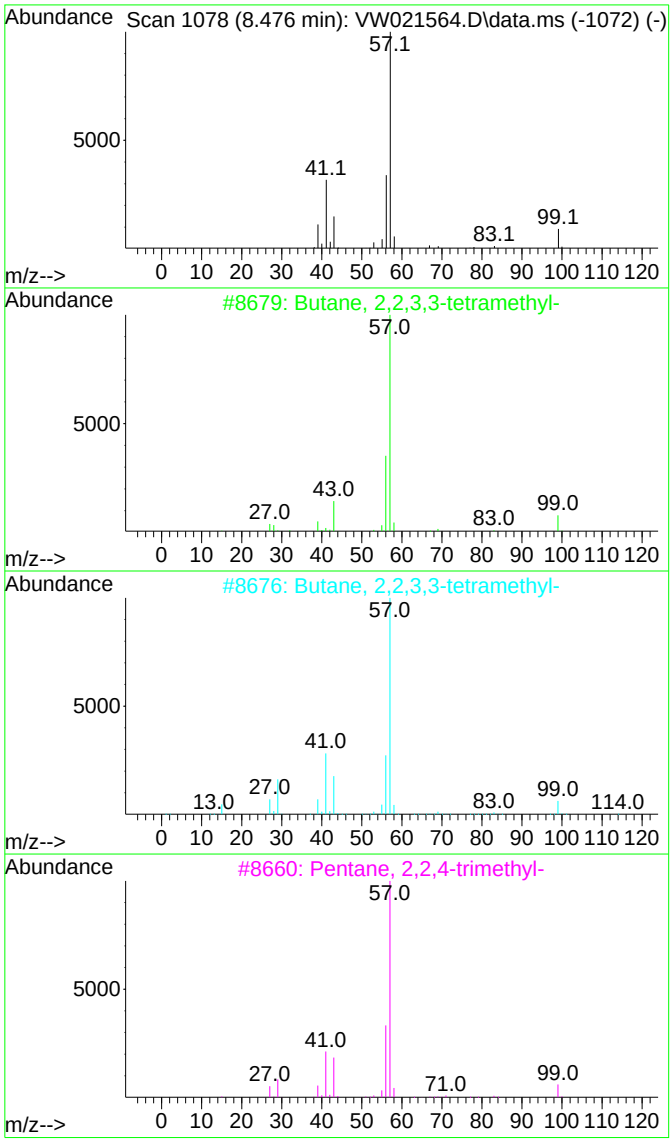
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

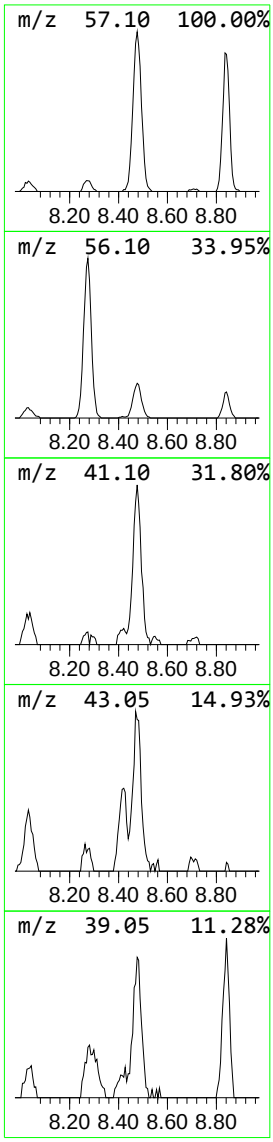
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.476	2.99 ug/L	41094	1,4-Difluorobenzene	8.842

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

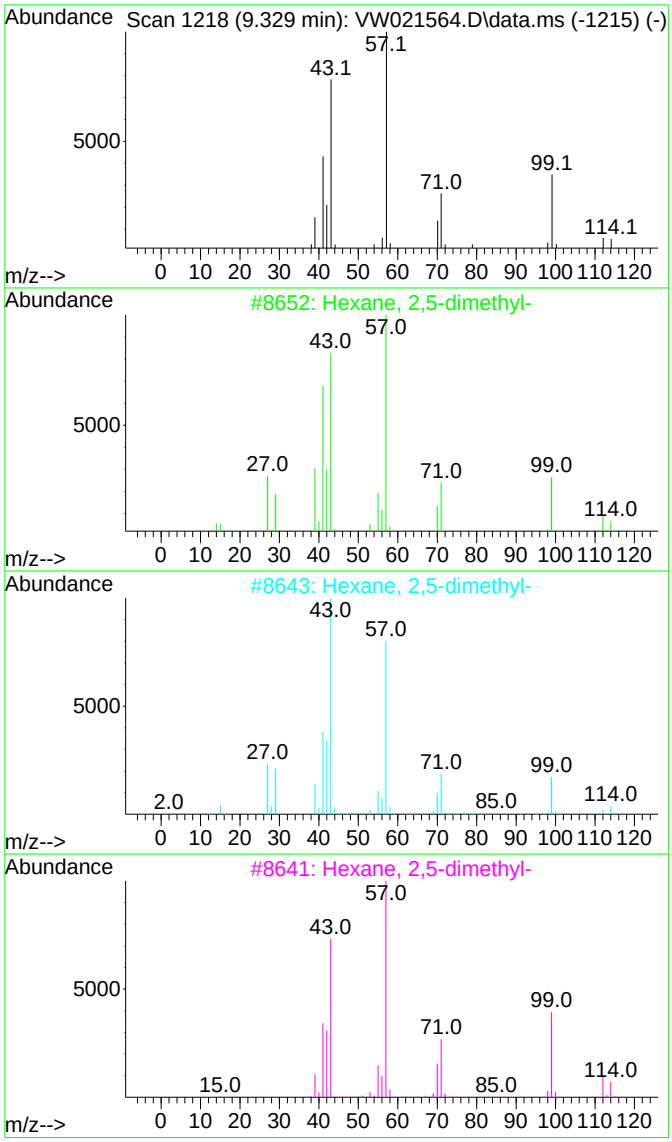
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

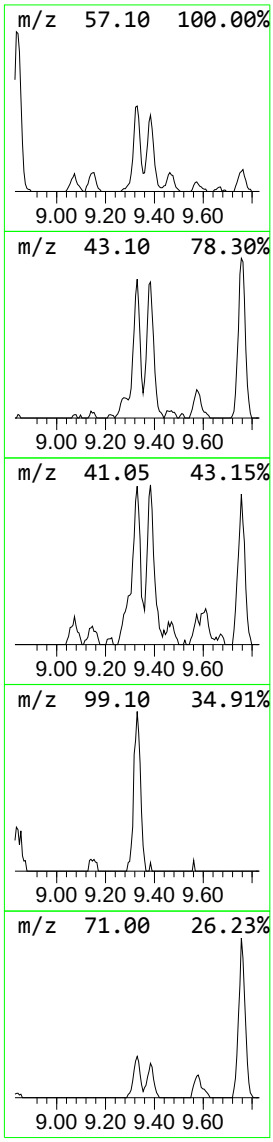
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.329	1.75 ug/L	24104	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	80
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	72
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	58
4	Heptane, 2-methyl-	114	C8H18	000592-27-8	40
5	2-Heptanone, 1-ethoxy-	158	C9H18O2	051149-70-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

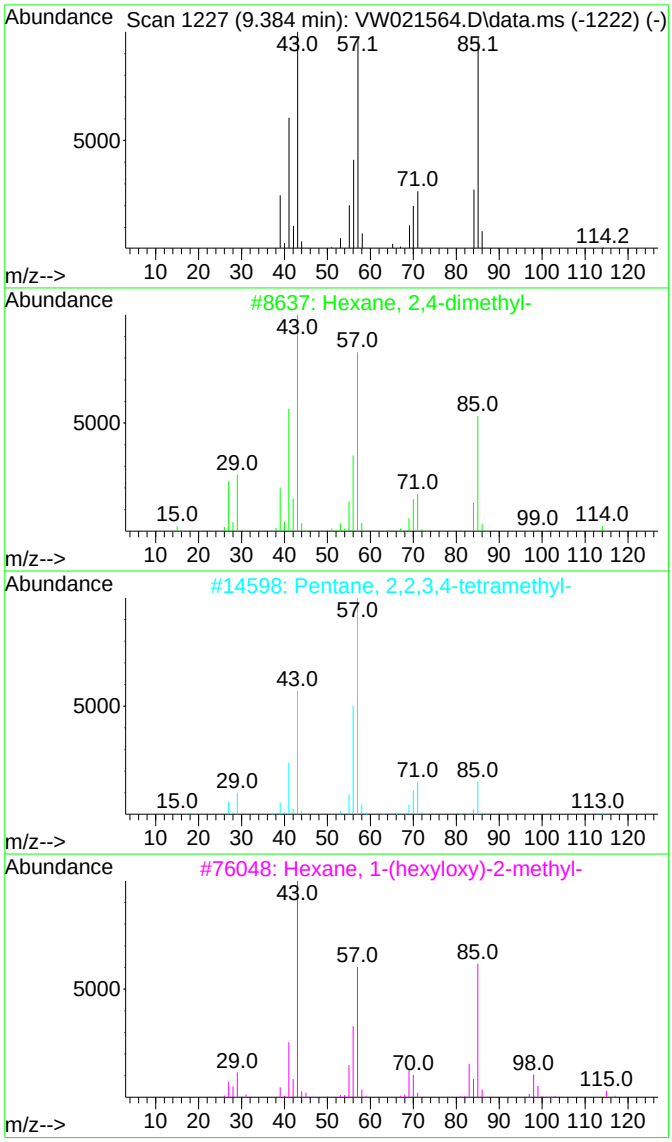
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

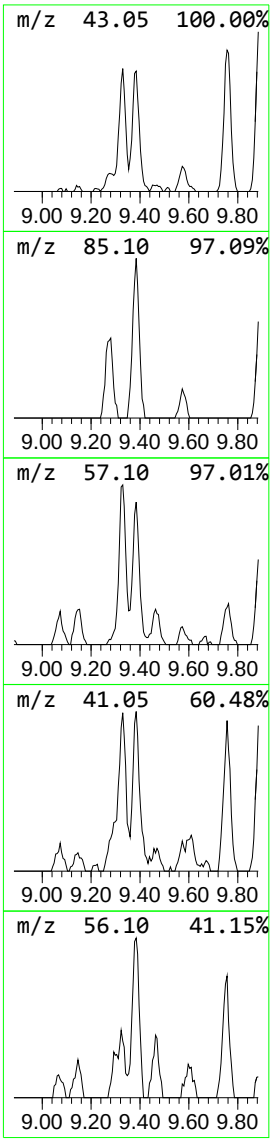
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.384	2.26 ug/L	31018	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	83
2	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	78
3	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	72
4	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	64
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

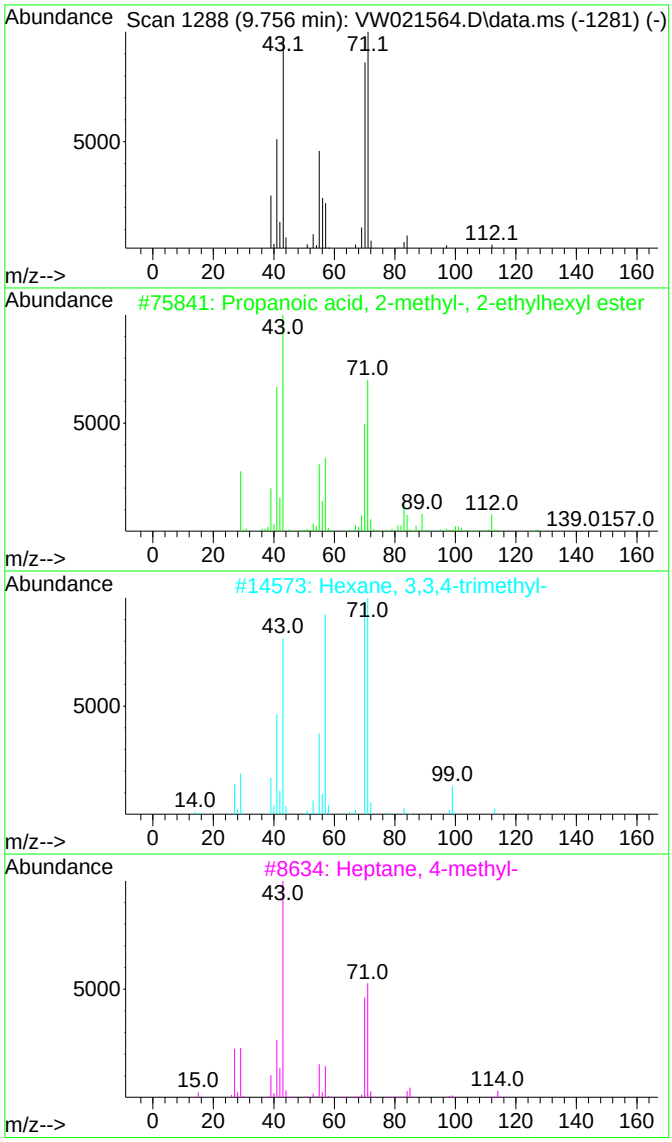
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

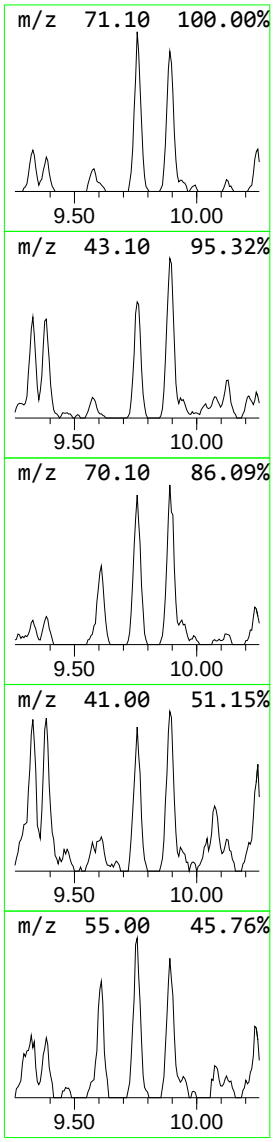
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Propanoic acid, 2-methyl-, ... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.756	2.65 ug/L	36461	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 2-eth...	200	C12H24O2	035061-61-1	83
2	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	72
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	56
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

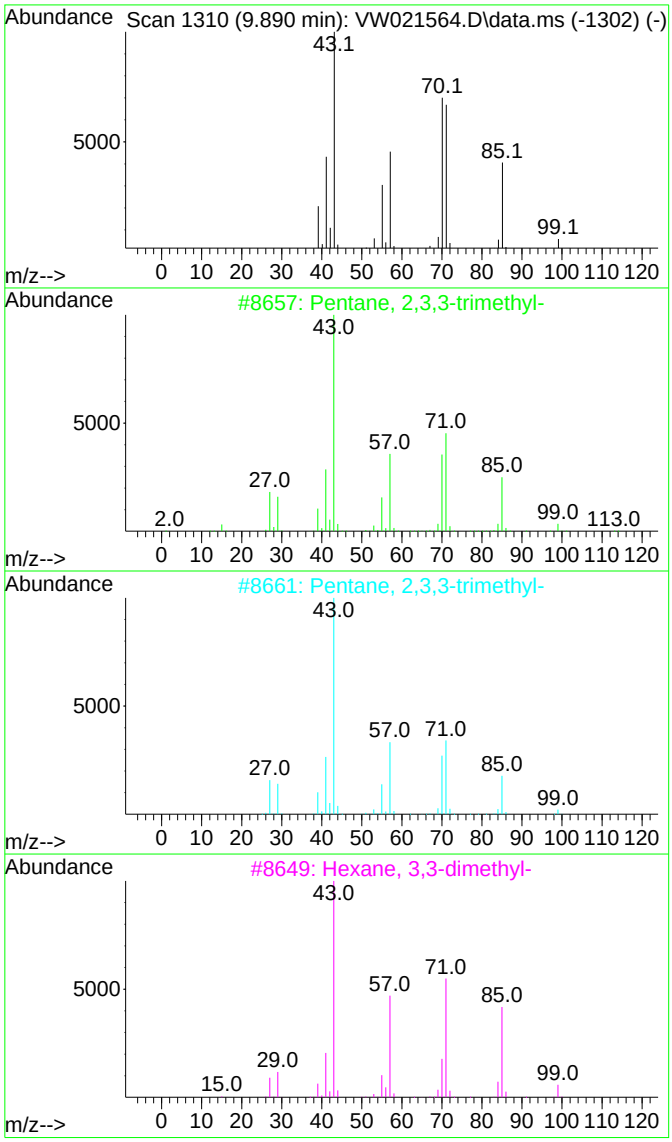
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

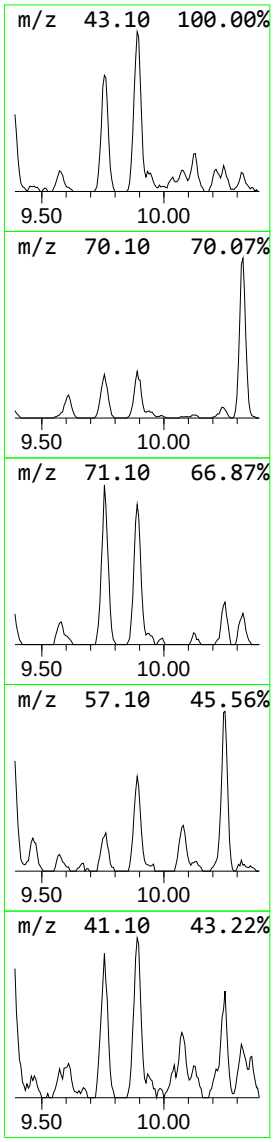
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.890	3.27 ug/L	44939	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	74
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
4	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	53
5	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

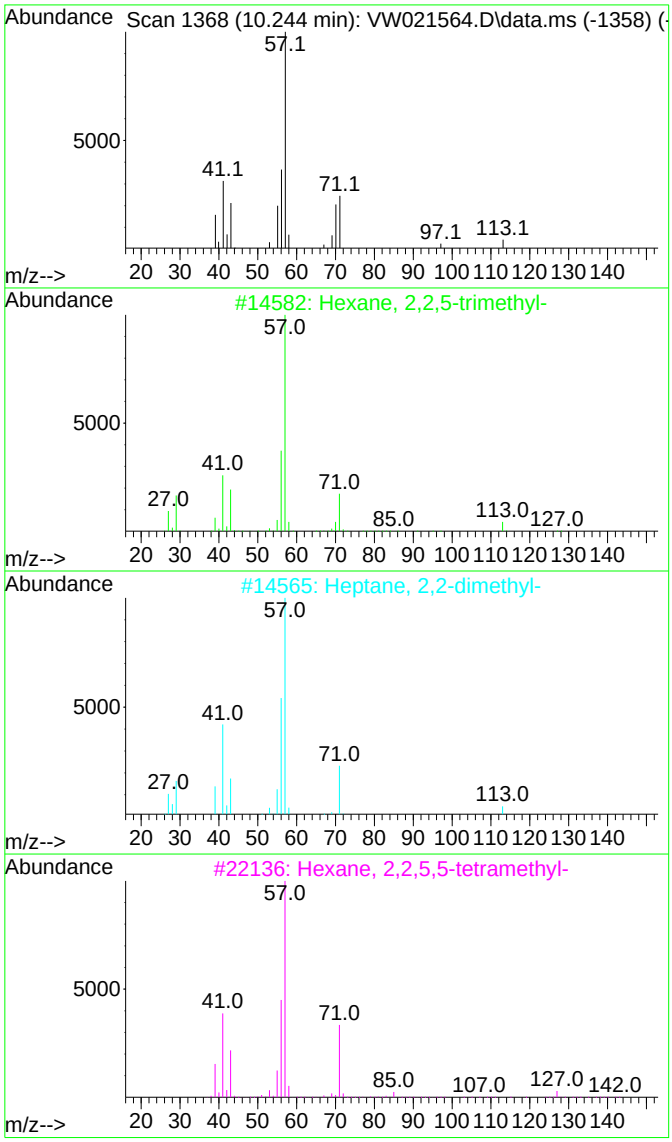
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

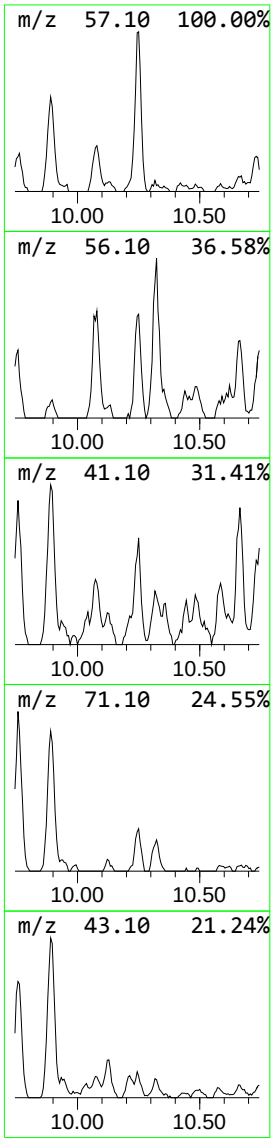
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.244	1.41 ug/L	24673	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	50
2	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	43
3	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	40
4	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	38
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	38





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Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

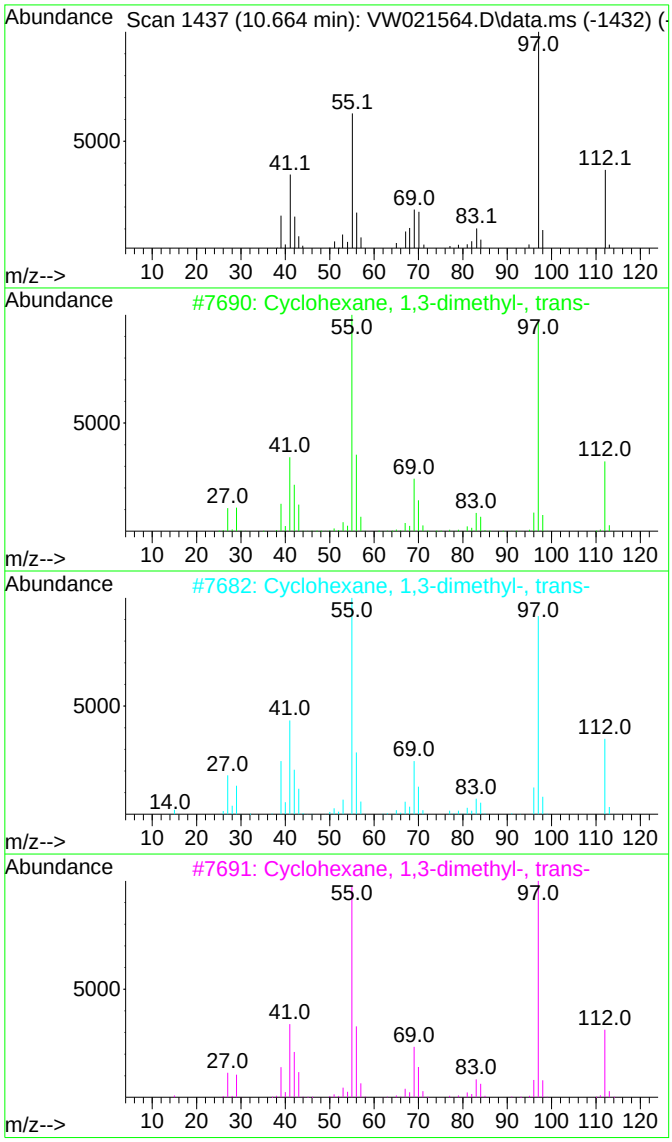
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

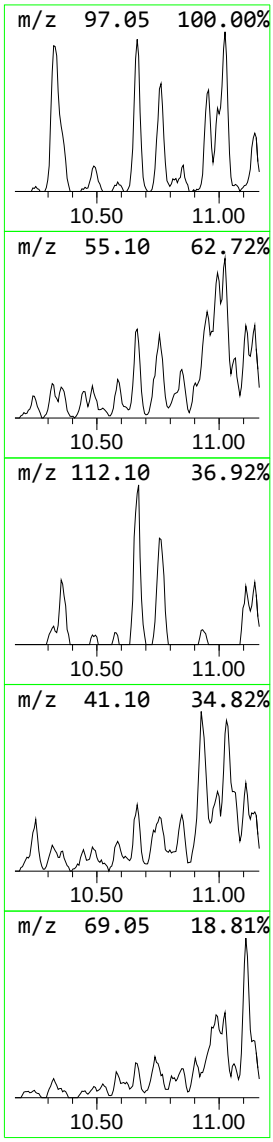
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic10.664 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.664	1.71 ug/L	29931	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

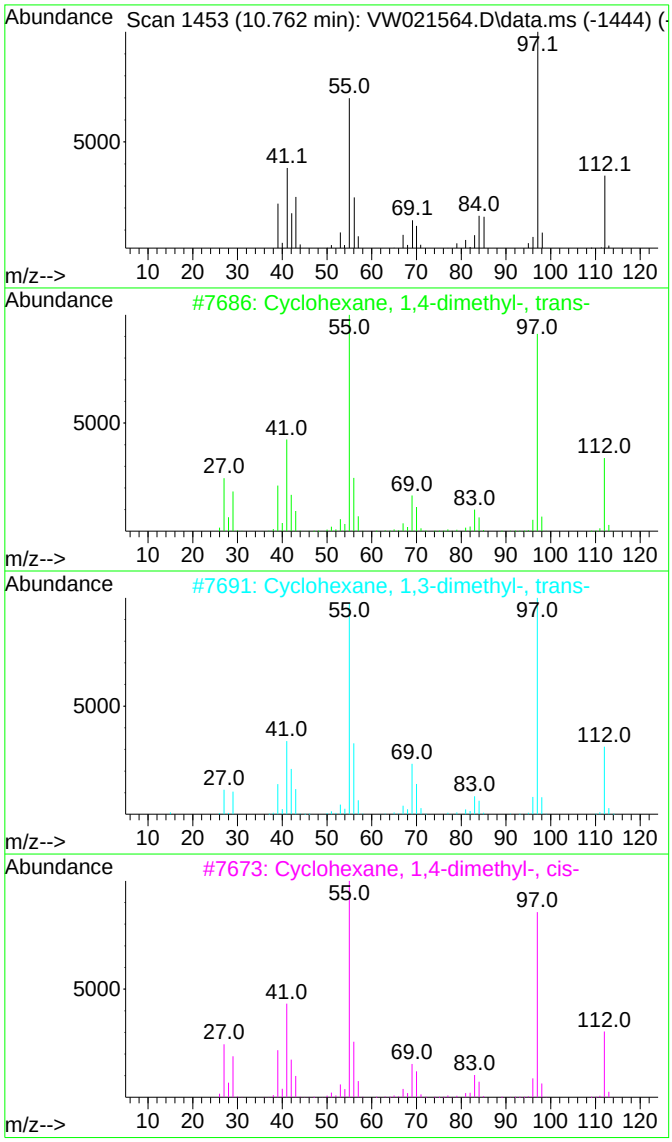
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

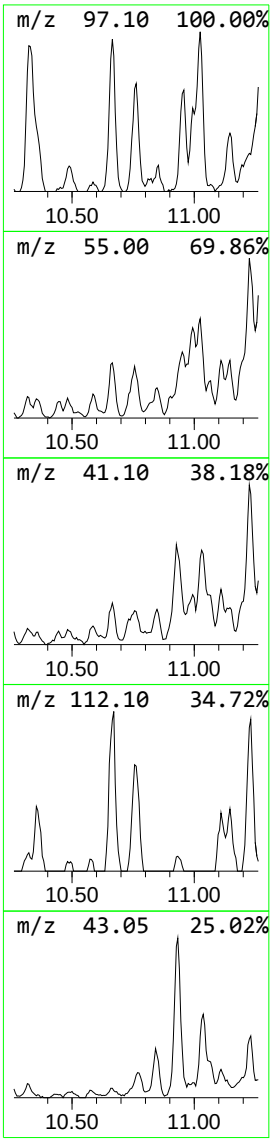
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic10.762 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.762	1.84 ug/L	32108	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	87
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	83
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	83
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	83
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

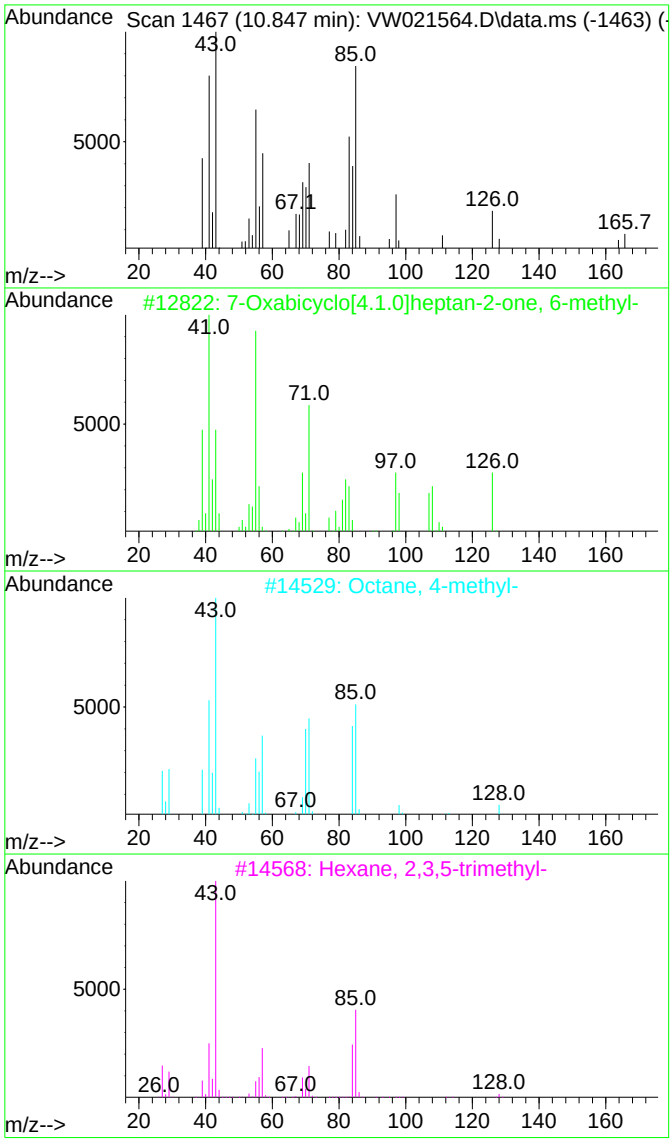
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

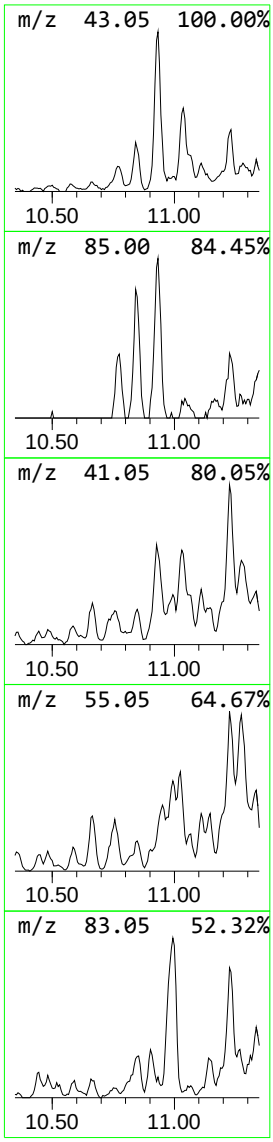
****

Peak Number 12 unknown-01 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.847	1.36 ug/L	23766	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Oxabicyclo[4.1.0]heptan-2-one,...	126	C7H10O2	021889-89-4	41
2	Octane, 4-methyl-	128	C9H20	002216-34-4	41
3	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	38
4	Dodecane, 5-methyl-	184	C13H28	017453-93-9	38
5	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

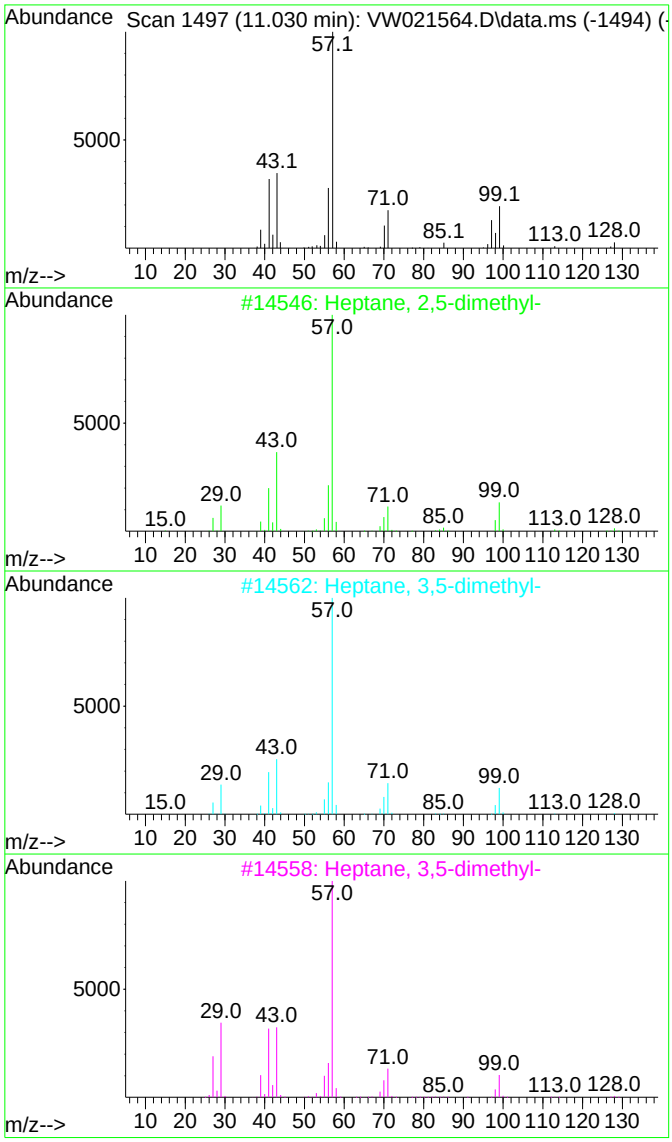
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

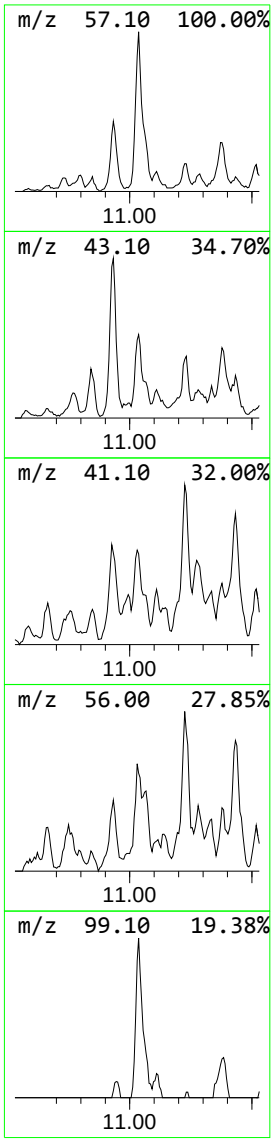
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.030	1.59 ug/L	27746	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	83
2	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	64
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	59
4	Hexanoic acid, 1,1-dimethylethyl...	172	C10H20O2	002492-18-4	53
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

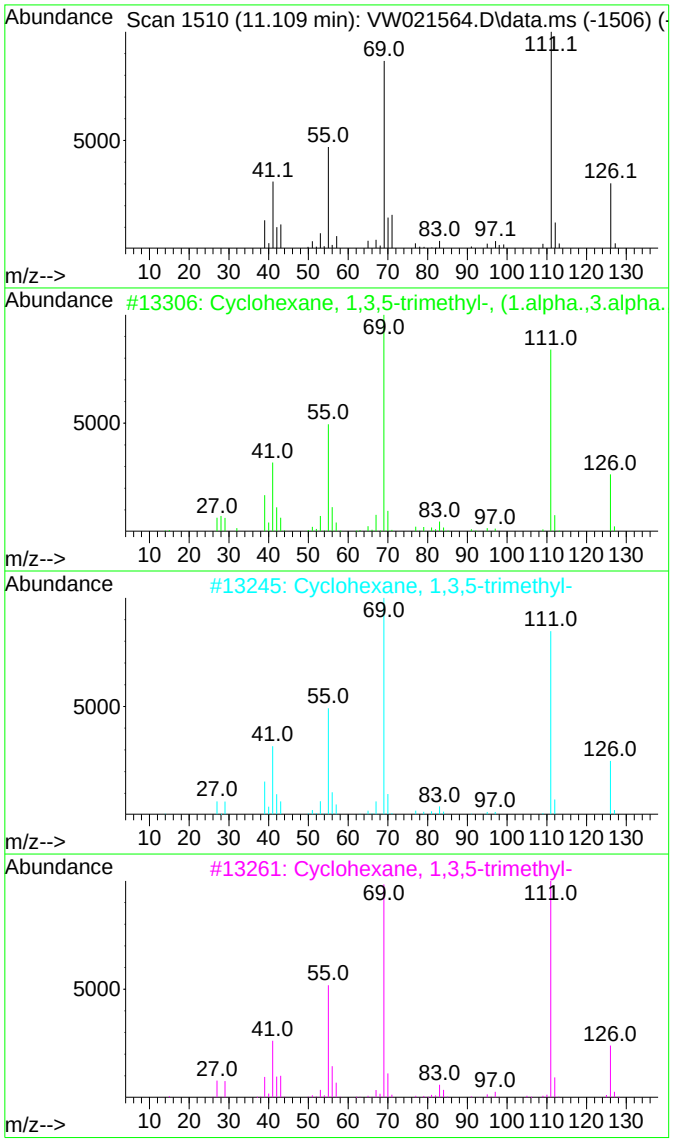
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

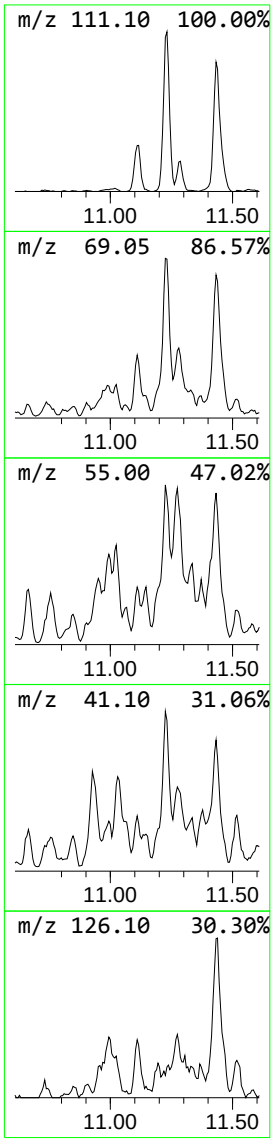
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Cyclic11.110 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.110	1.85 ug/L	32371	Chlorobenzene-d5	11.628

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

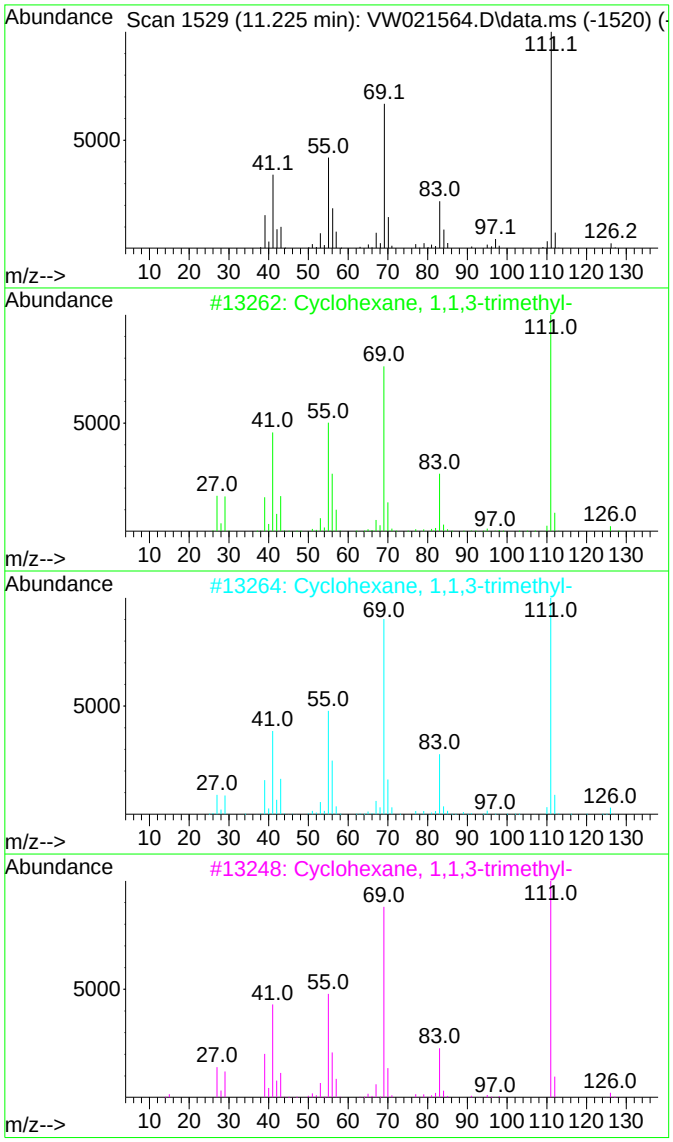
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

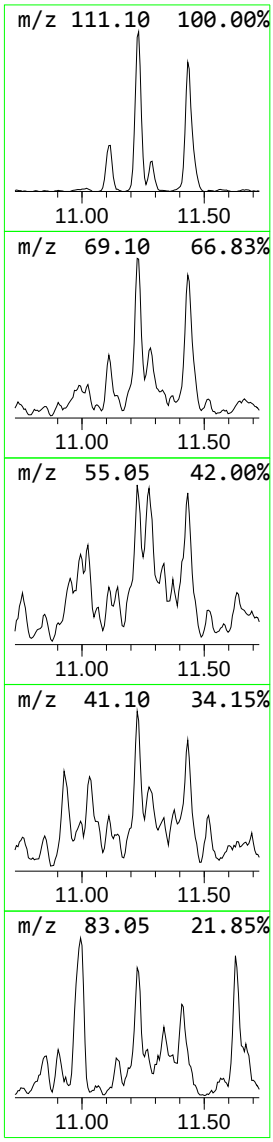
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Cyclic11.225 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.225	9.29 ug/L	162418	Chlorobenzene-d5	11.628

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	94
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	94
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	94
5	Isocytosine	111	C4H5N3O	000108-53-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

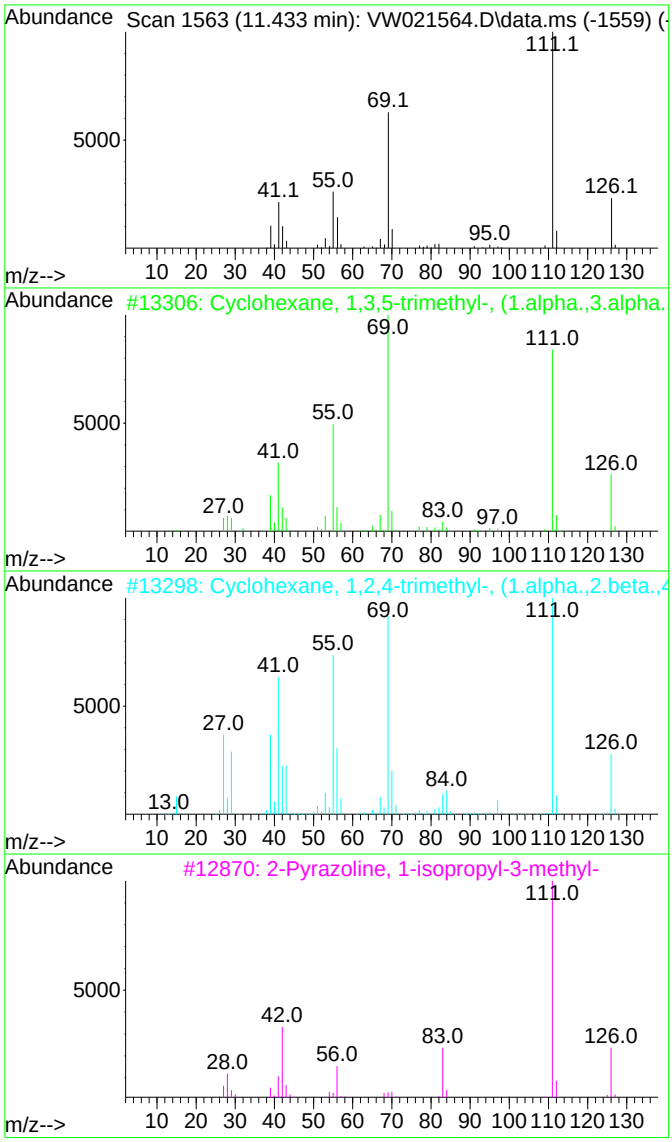
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

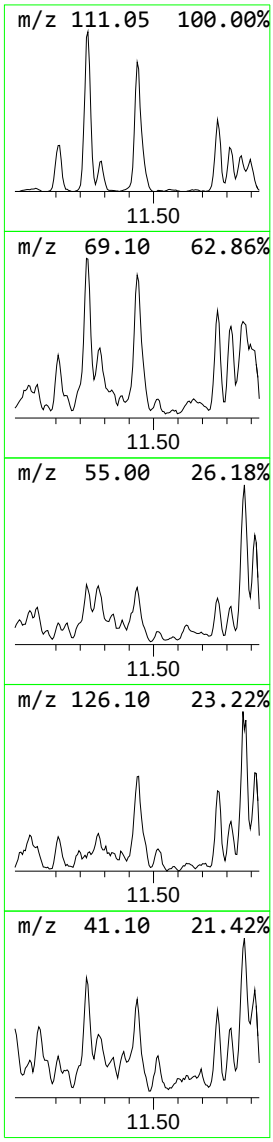
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic11.433 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.433	8.09 ug/L	141405	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	86
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	78
3	2-Pyrazoline, 1-isopropyl-3-methyl-	126	C7H14N2	022581-48-2	64
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	64
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

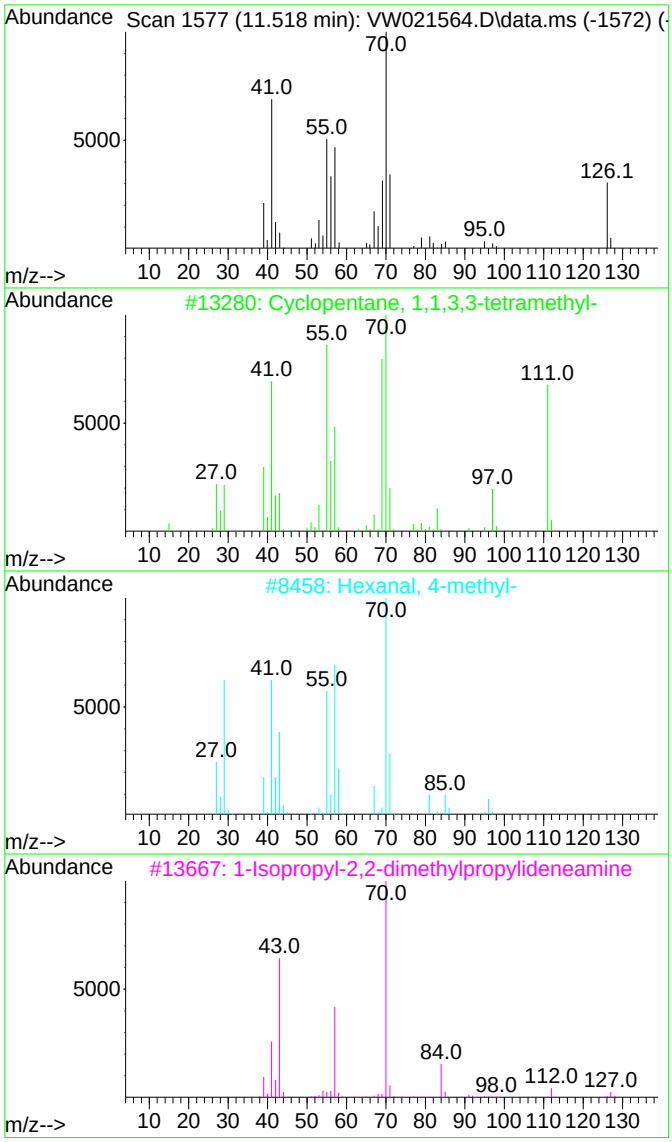
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

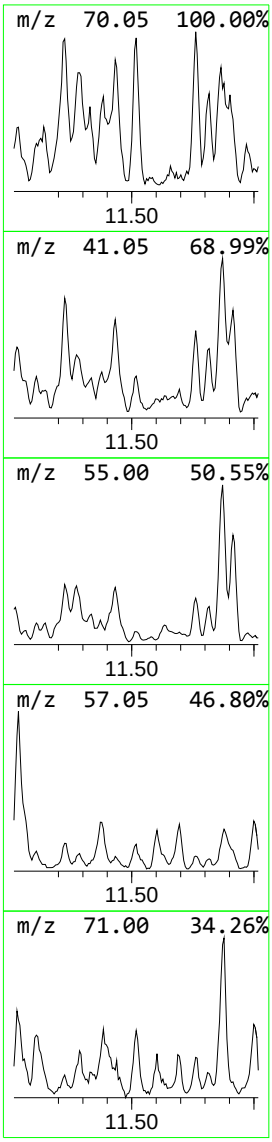
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Cyclic11.518 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.518	1.63 ug/L	28490	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,3,3-tetramethyl-	126	C9H18	050876-33-0	40
2	Hexanal, 4-methyl-	114	C7H14O	041065-97-8	40
3	1-Isopropyl-2,2-dimethylpropylid...	127	C8H17N	1000210-05-3	37
4	4-Nonene	126	C9H18	002198-23-4	35
5	Tridecane, 3-methylene-	196	C14H28	019780-34-8	33





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

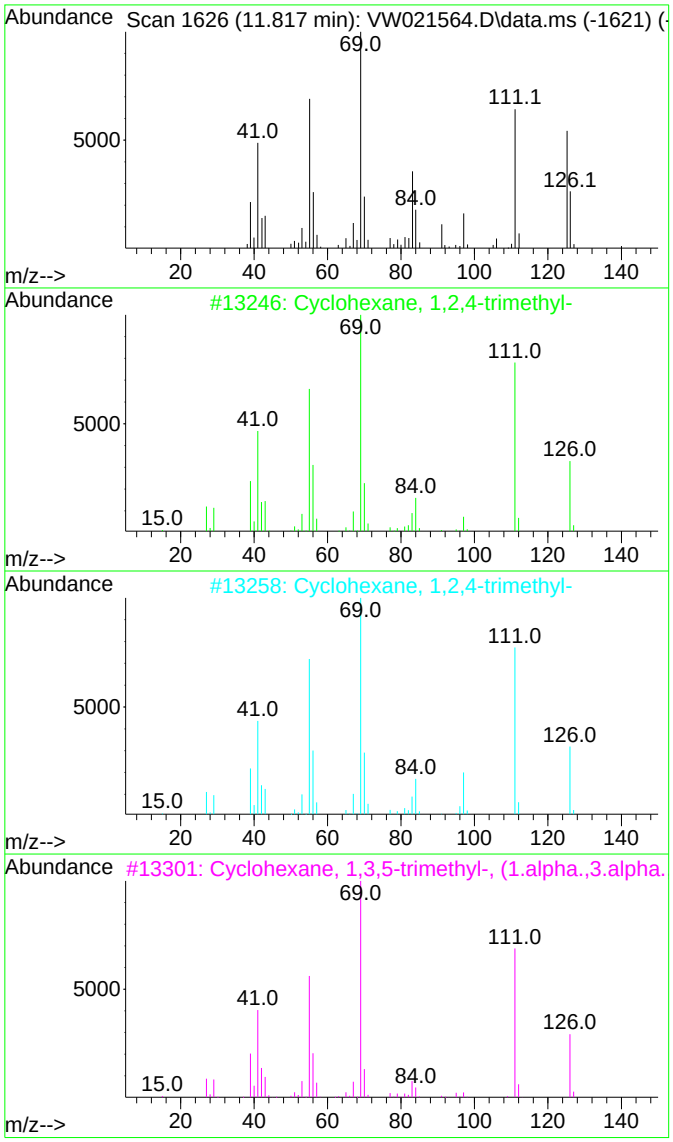
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

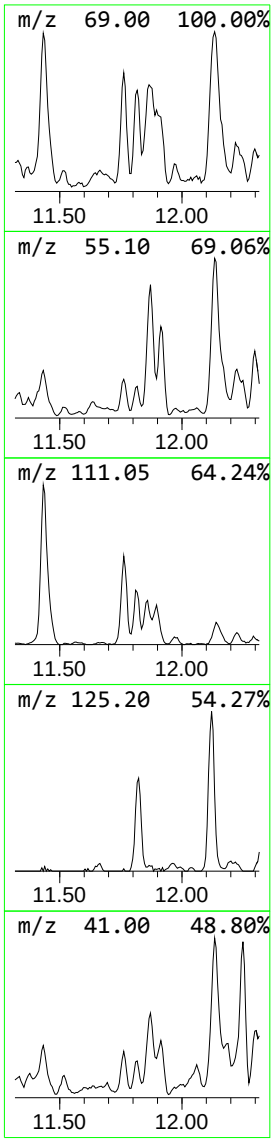
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Cyclic11.817 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.817	3.54 ug/L	61974	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	93
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	93
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	70
4	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	70
5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

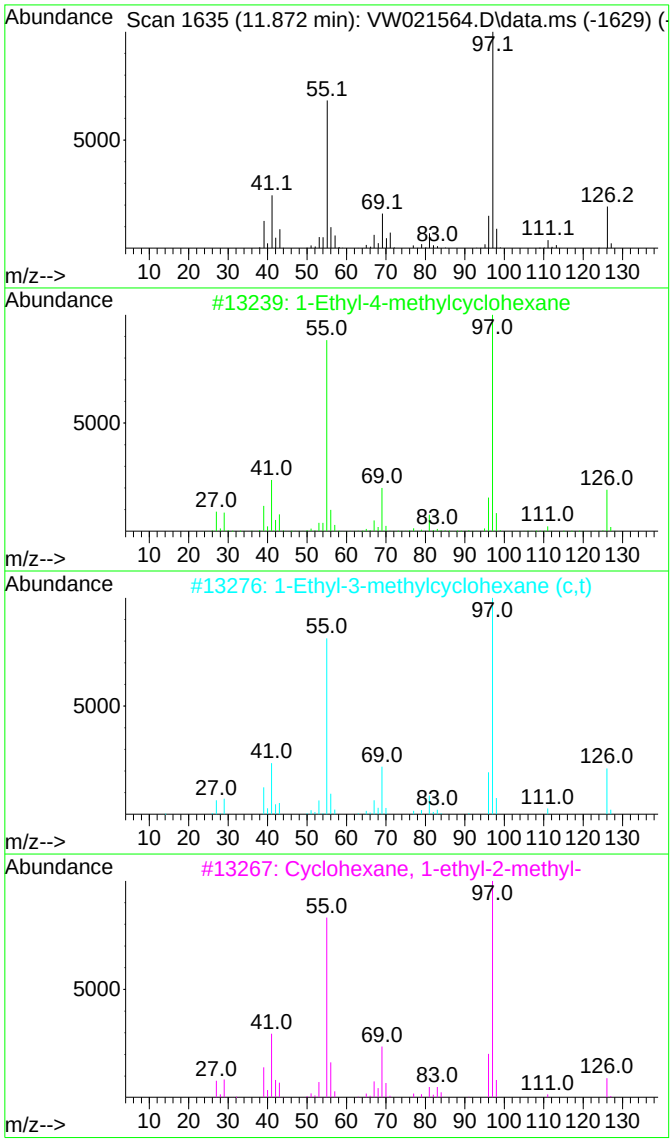
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

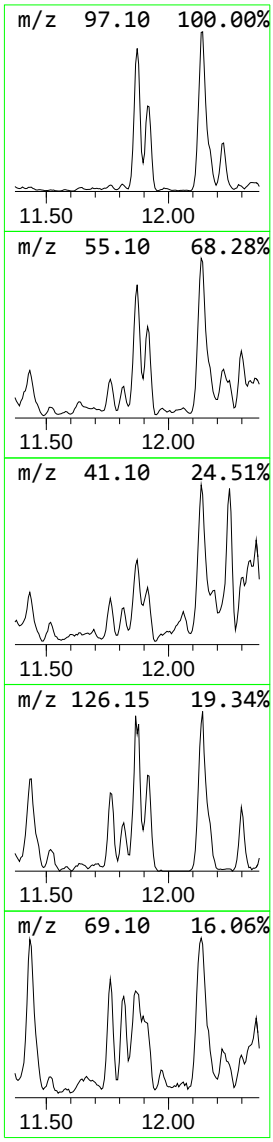
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Cyclic11.871 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.871	13.26 ug/L	231745	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	95
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	94
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	91
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90





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Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

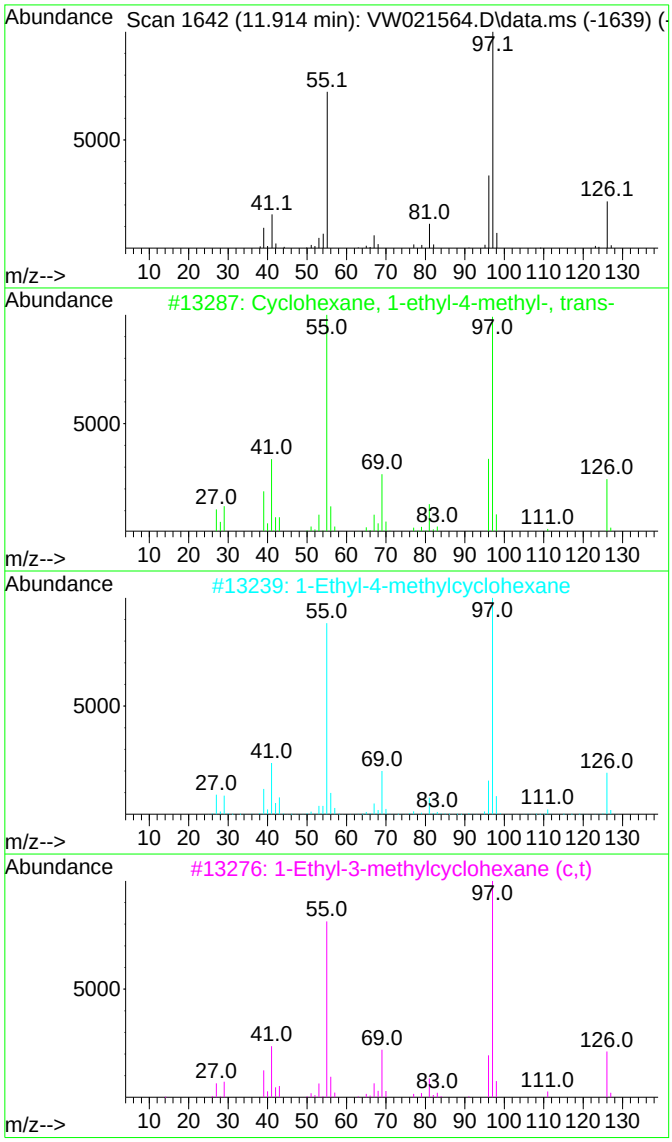
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

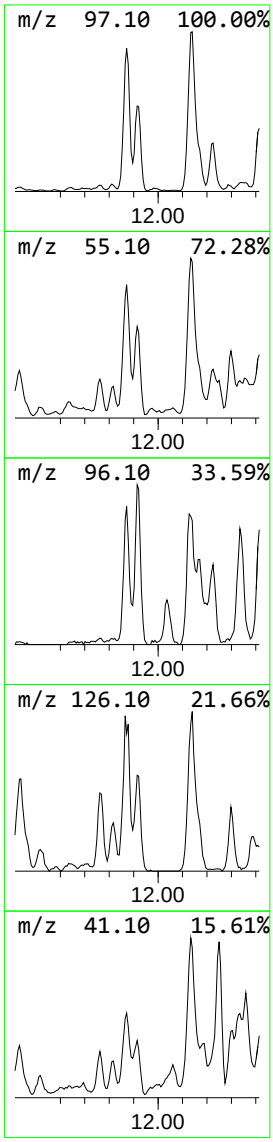
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic11.914 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.914	7.28 ug/L	127211	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	90
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	80
3	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	72
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64





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Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

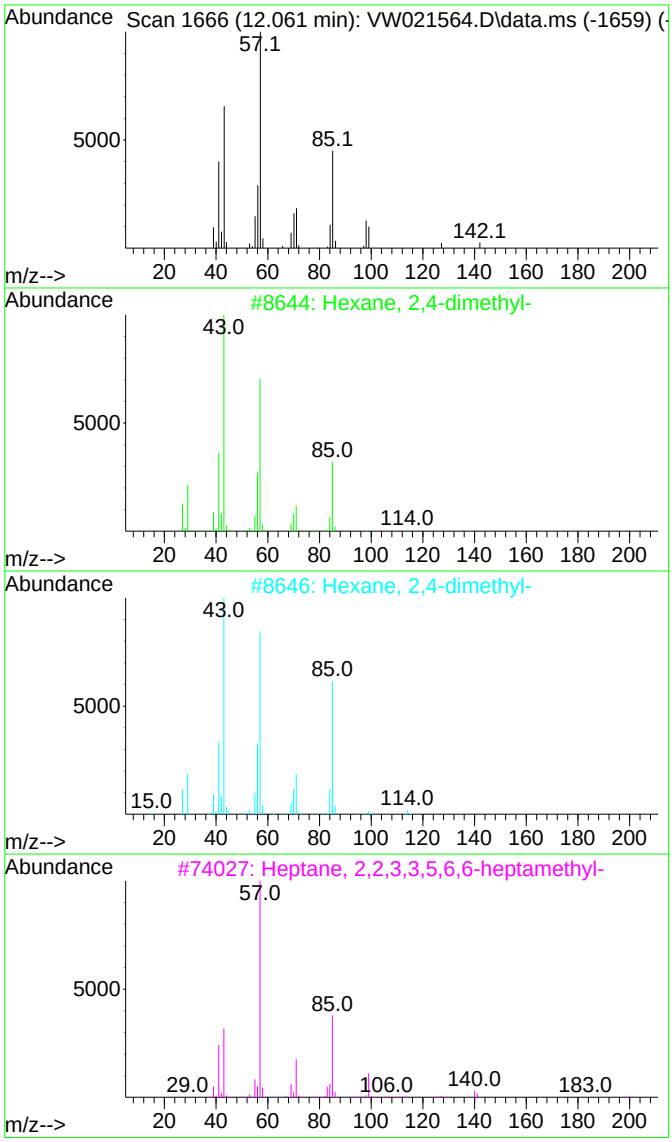
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

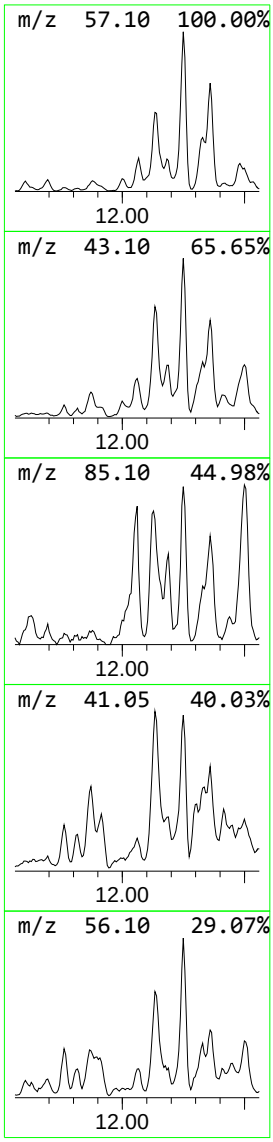
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.060	3.62 ug/L	63341	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59
3	Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	59
4	Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	59
5	4,4-Dimethyl octane	142	C10H22	015869-95-1	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

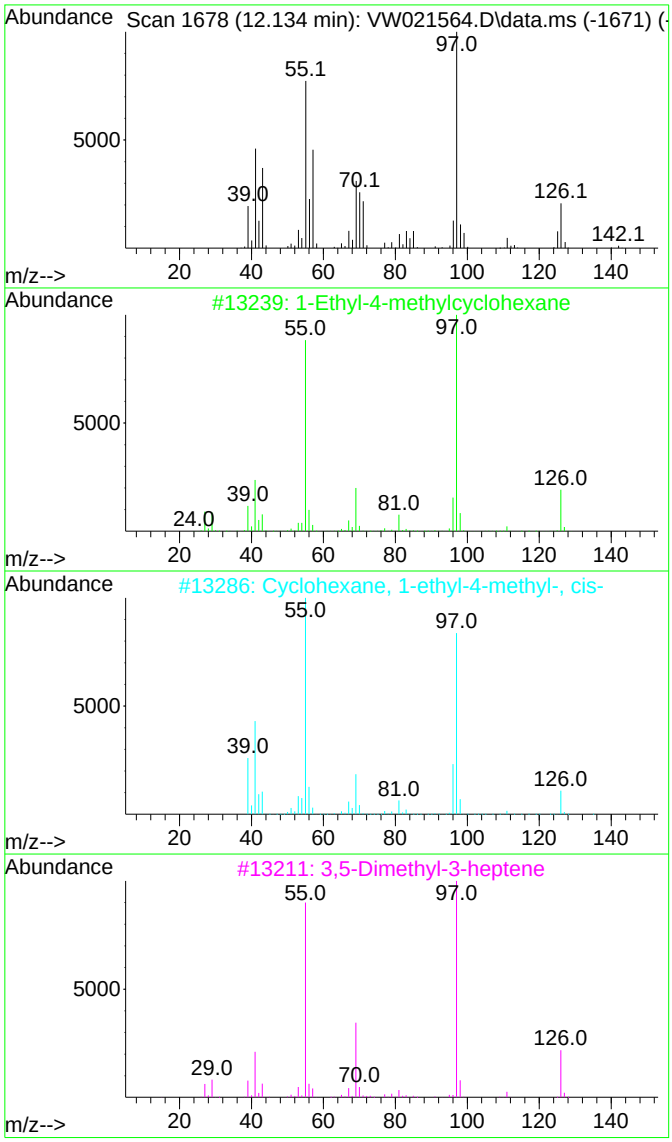
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

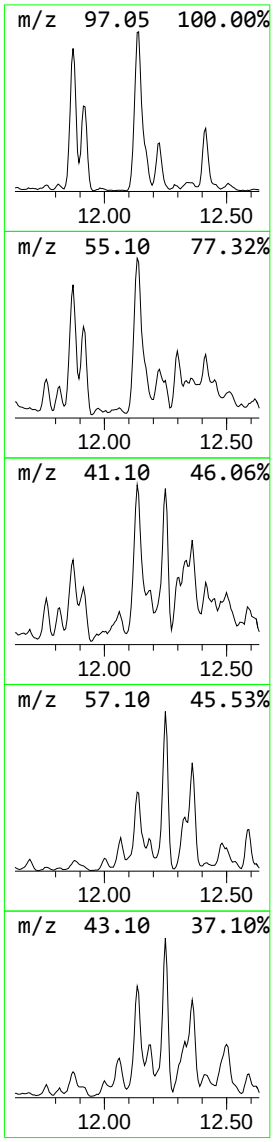
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Cyclic12.134 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.134	27.57 ug/L	482036	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	70
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	62
3	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	62
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	58
5	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

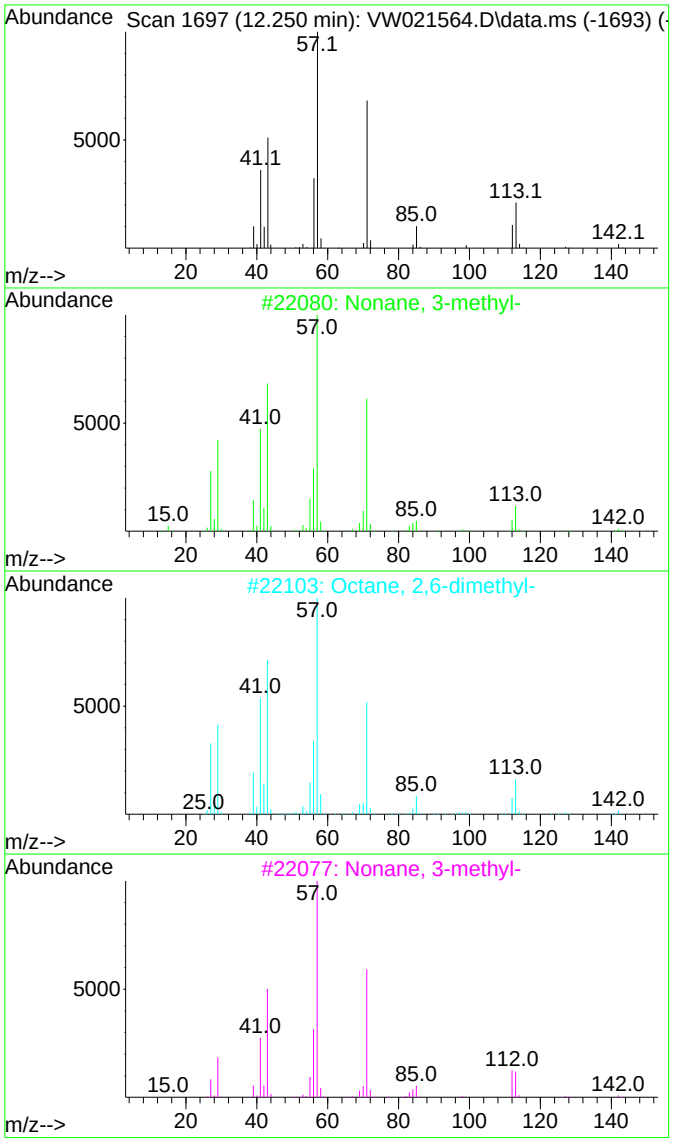
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

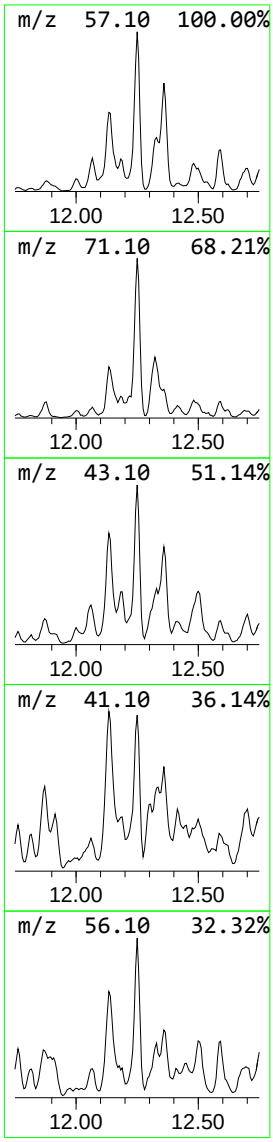
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.249	12.43 ug/L	217302	Chlorobenzene-d5	11.628

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	Nonane, 3-methyl-	142	C10H22	005911-04-6	87
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

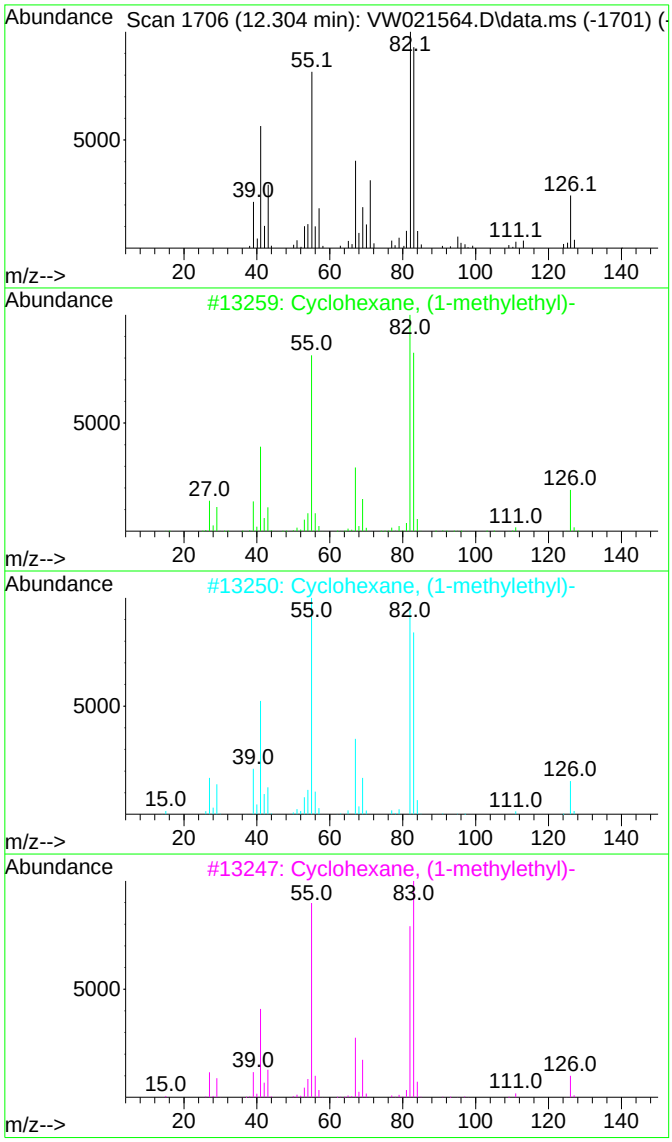
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

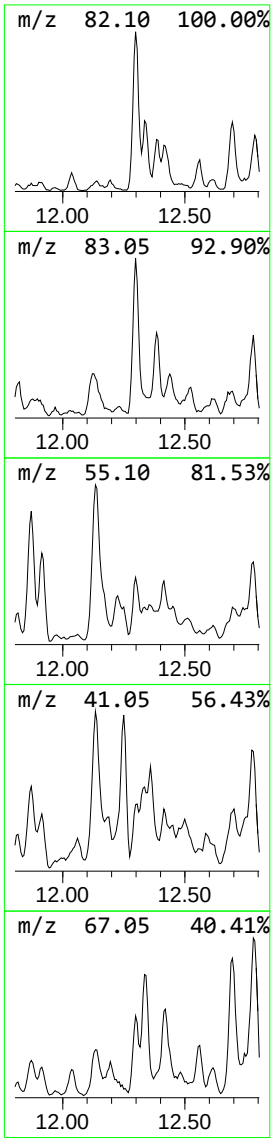
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Cyclic12.304 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.304	5.51 ug/L	96400	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	94
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	90
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

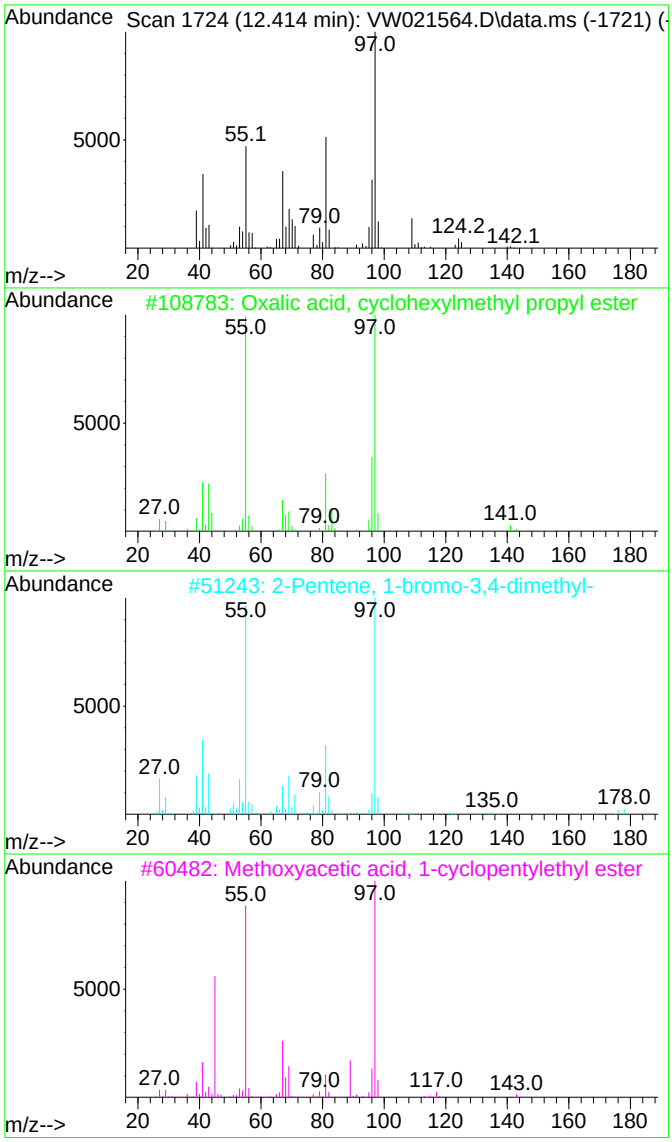
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

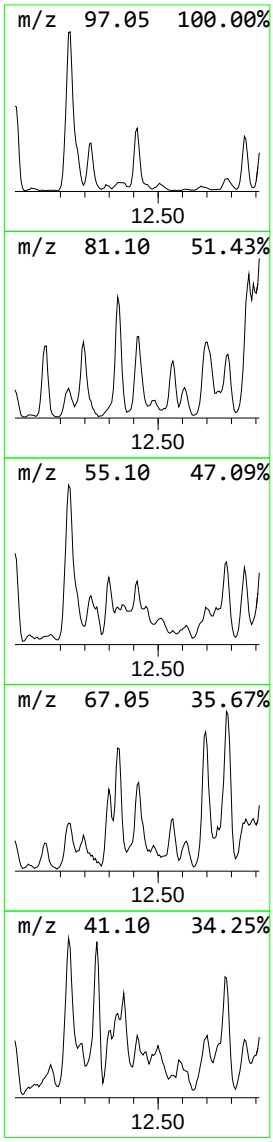
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Oxalic acid, cyclohexylmeth... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.414	6.92 ug/L	121028	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	59
2	2-Pentene, 1-bromo-3,4-dimethyl-	176	C7H13Br	000922-99-6	53
3	Methoxyacetic acid, 1-cyclopenty...	186	C10H18O3	1000282-69-5	53
4	Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	50
5	1-Methylpyrazol-3-amine	97	C4H7N3	001904-31-0	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

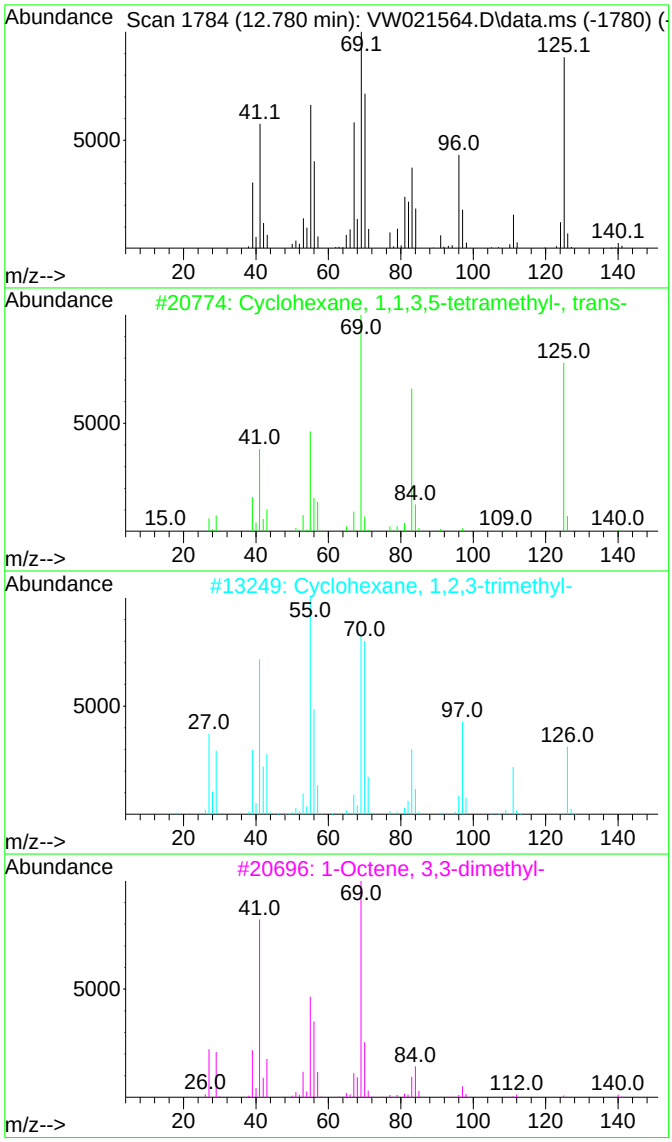
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

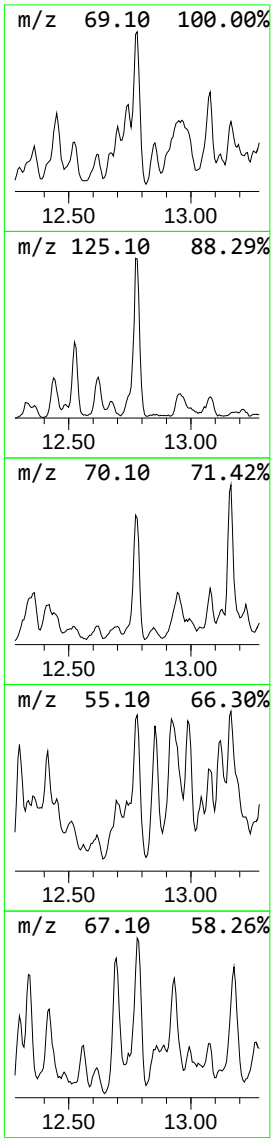
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Cyclic12.780 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	16.64 ug/L	300310	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	43
2	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	38
3	1-Octene, 3,3-dimethyl-	140	C10H20	074511-51-6	38
4	Cyclopentane, pentyl-	140	C10H20	003741-00-2	38
5	3,7-Dimethyl-3-octyl methylphosp...	238	C11H24FO2P	159395-79-6	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

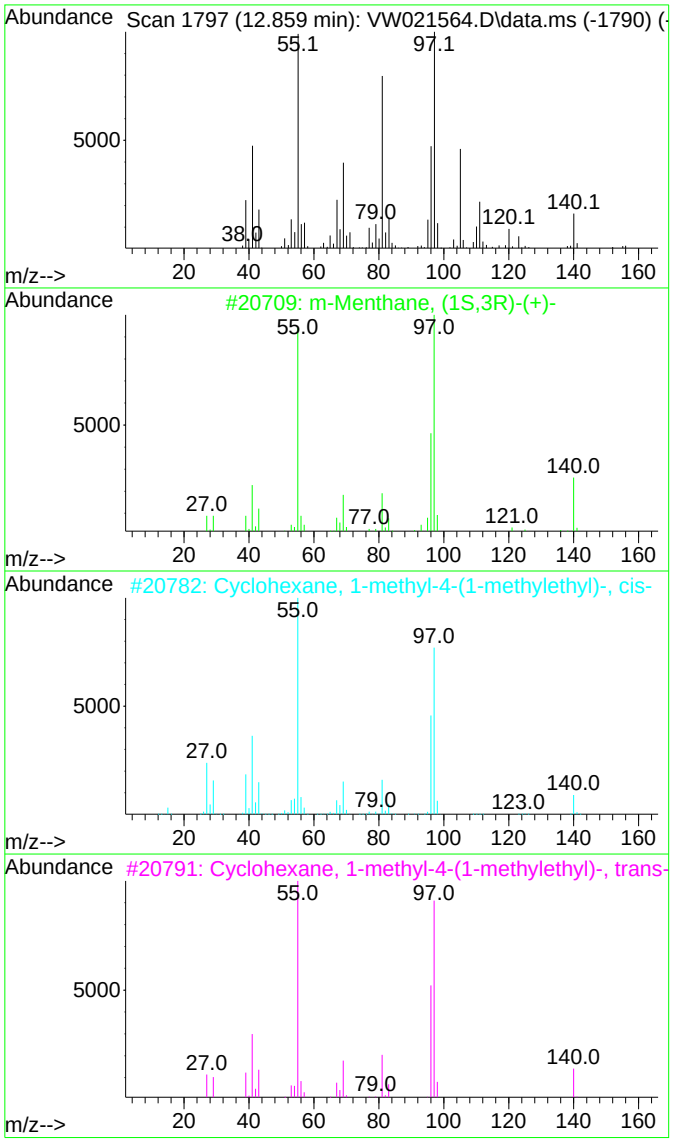
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

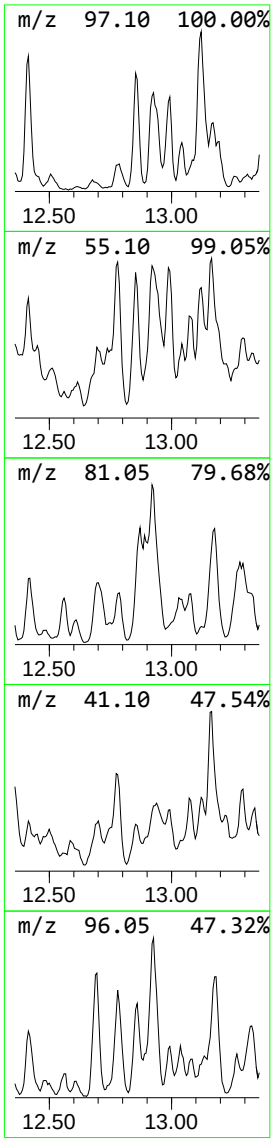
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	11.07 ug/L	199854	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	50
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	49
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	46
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	46
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	46





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Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

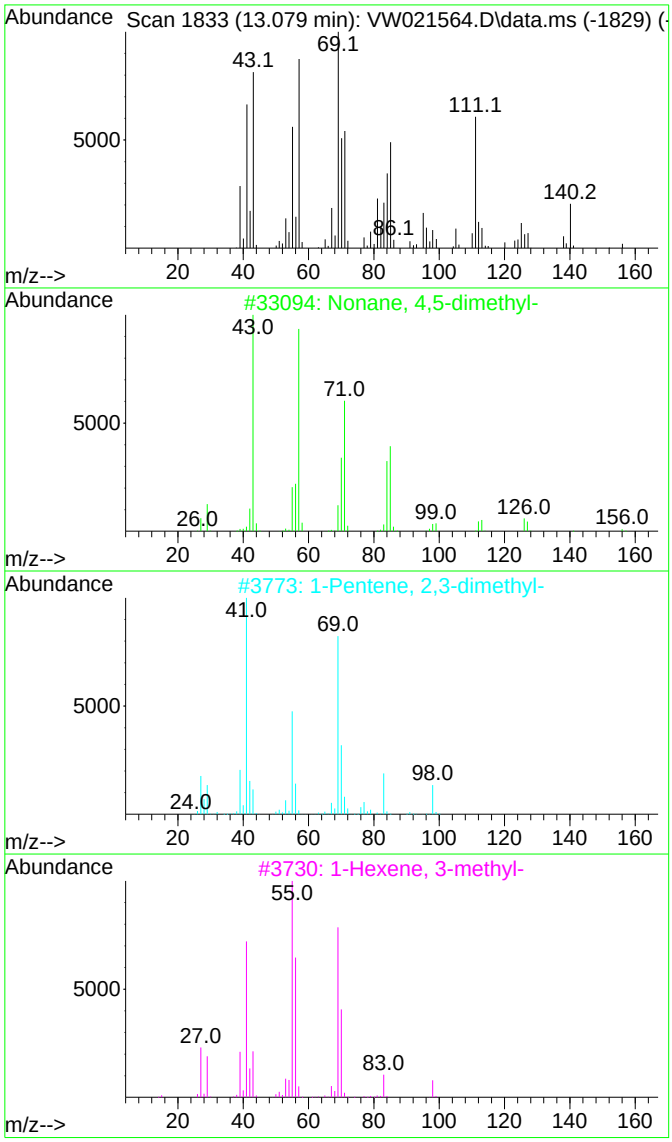
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

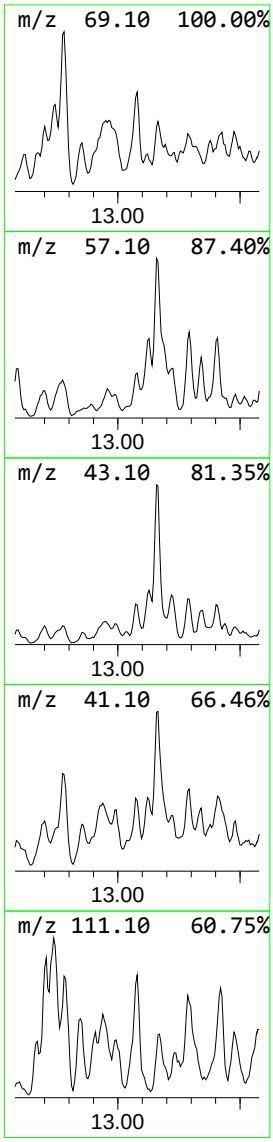
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.079	5.42 ug/L	97895	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	46
2	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	30
3	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	30
4	Ethanone, 1-cyclopentyl-	112	C7H12O	006004-60-0	27
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

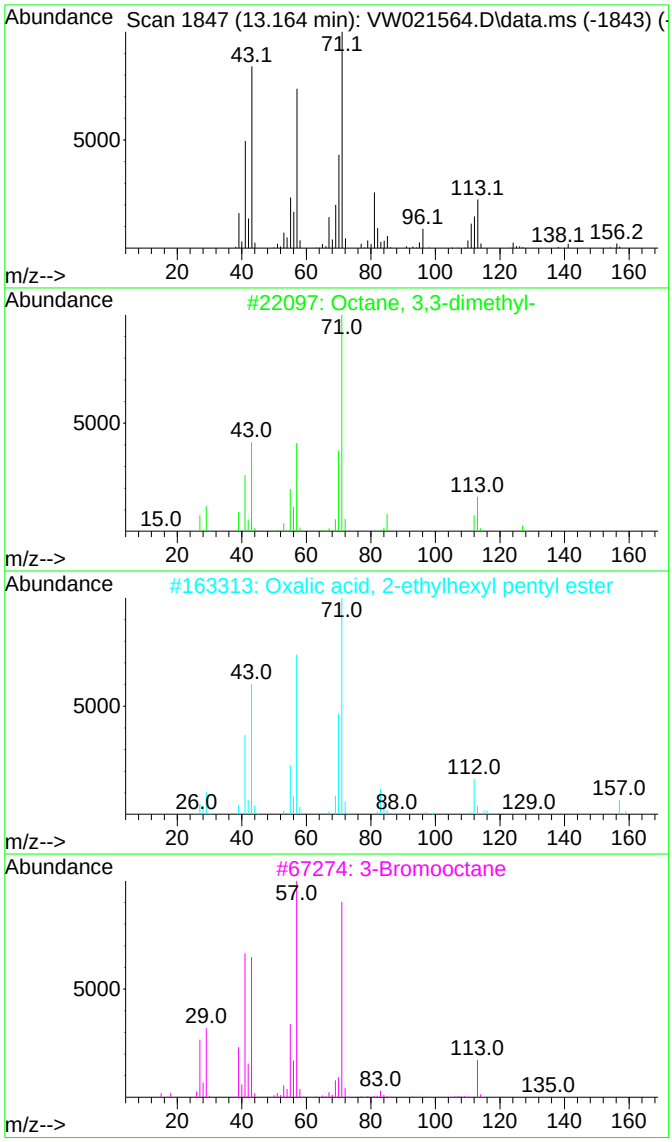
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

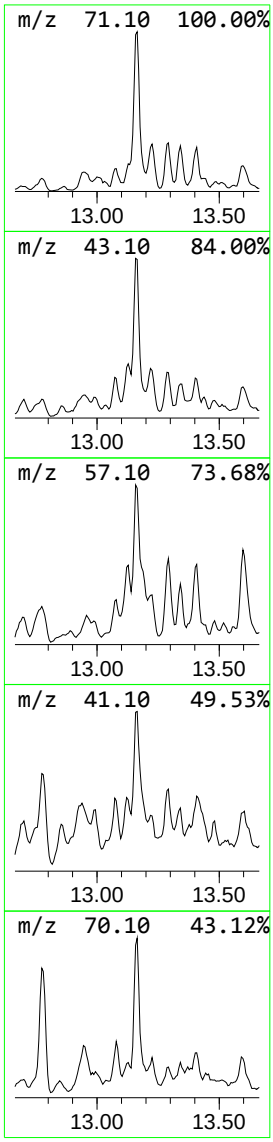
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	17.14 ug/L	309329	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
2	Oxalic acid, 2-ethylhexyl pentyl...	272	C15H28O4	1000309-38-7	59
3	3-Bromooctane	192	C8H17Br	000999-64-4	50
4	n-Amyl ether	158	C10H22O	000693-65-2	47
5	Oxalic acid, octyl propyl ester	244	C13H24O4	1010309-26-1	43





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Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

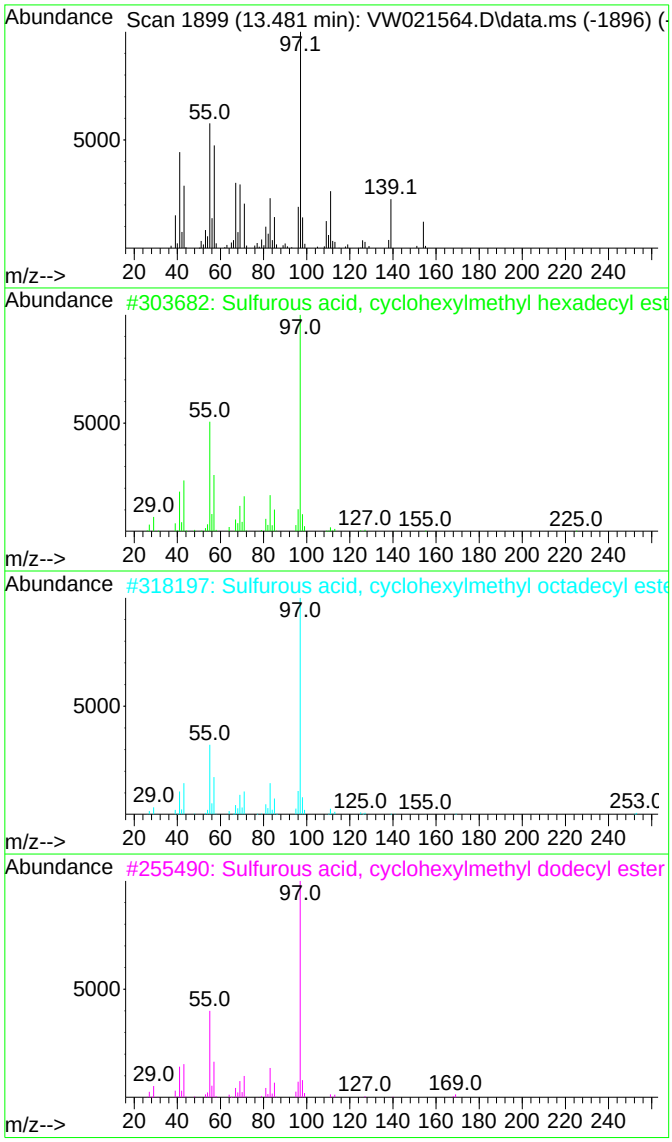
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

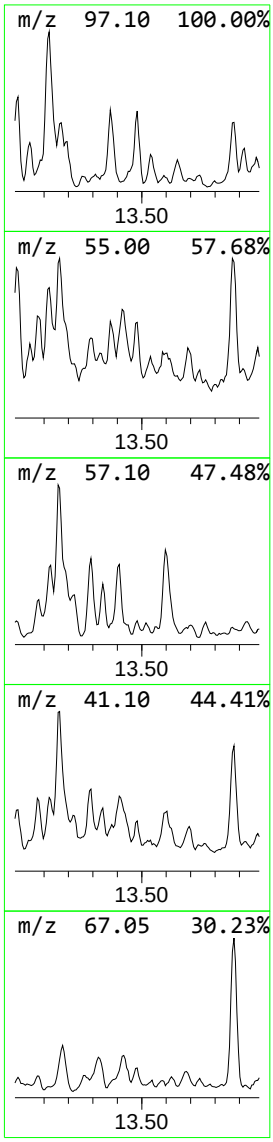
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Sulfurous acid, cyclohexylm... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.481	3.31 ug/L	59826	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	53
2	Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	52
3	Sulfurous acid, cyclohexylmethyl...	346	C19H38O3S	1000309-22-0	52
4	Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	50
5	Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	47





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Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

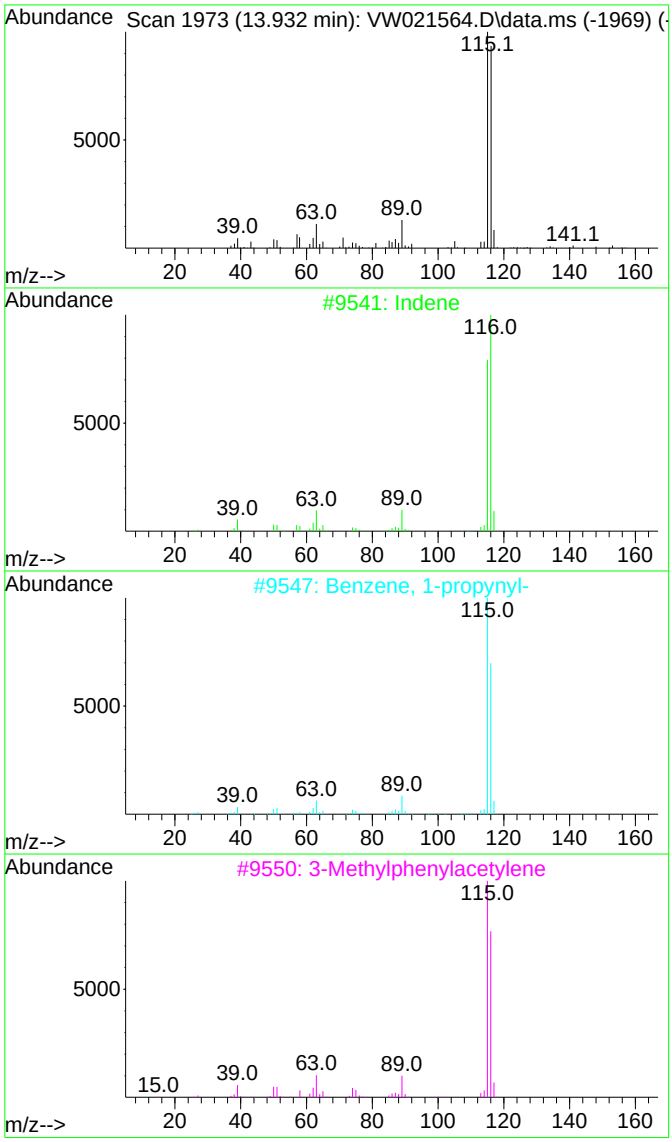
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

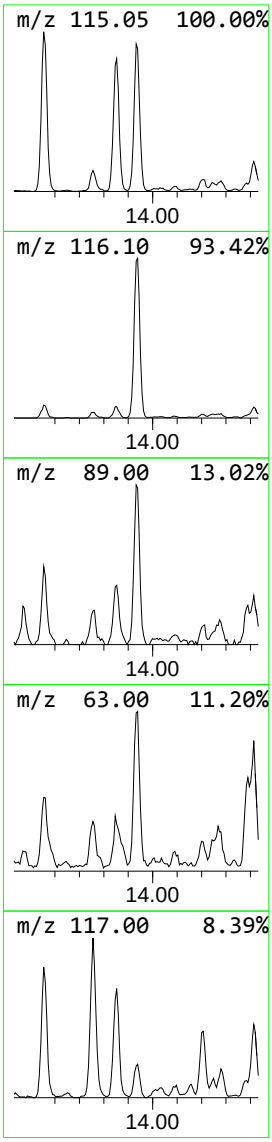
****

Peak Number 31 Indene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.932	6.29 ug/L	113484	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	2-Methylphenylacetylene	116	C9H8	000766-47-2	87
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	87





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Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

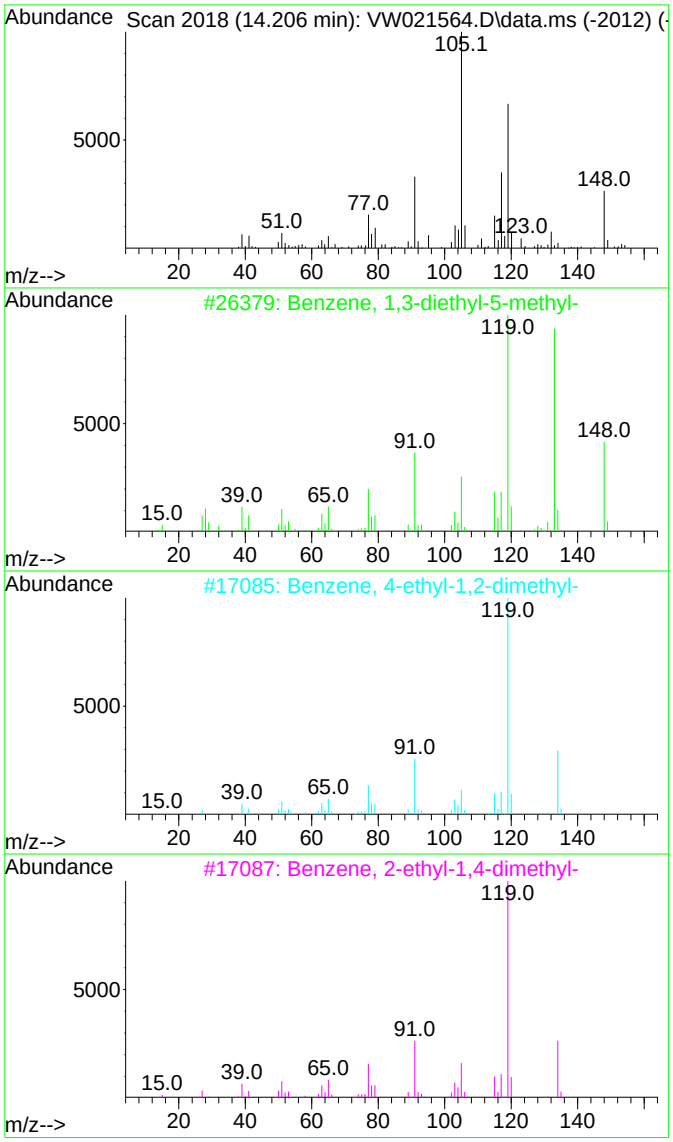
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

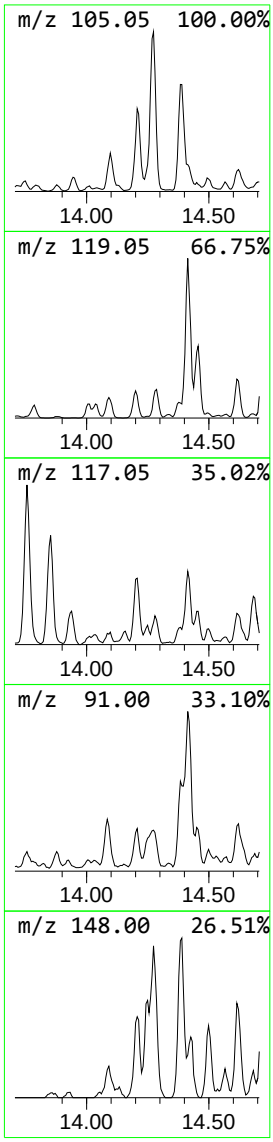
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.207	5.76 ug/L	104015	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	62
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	45
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	43
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	43
5	Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

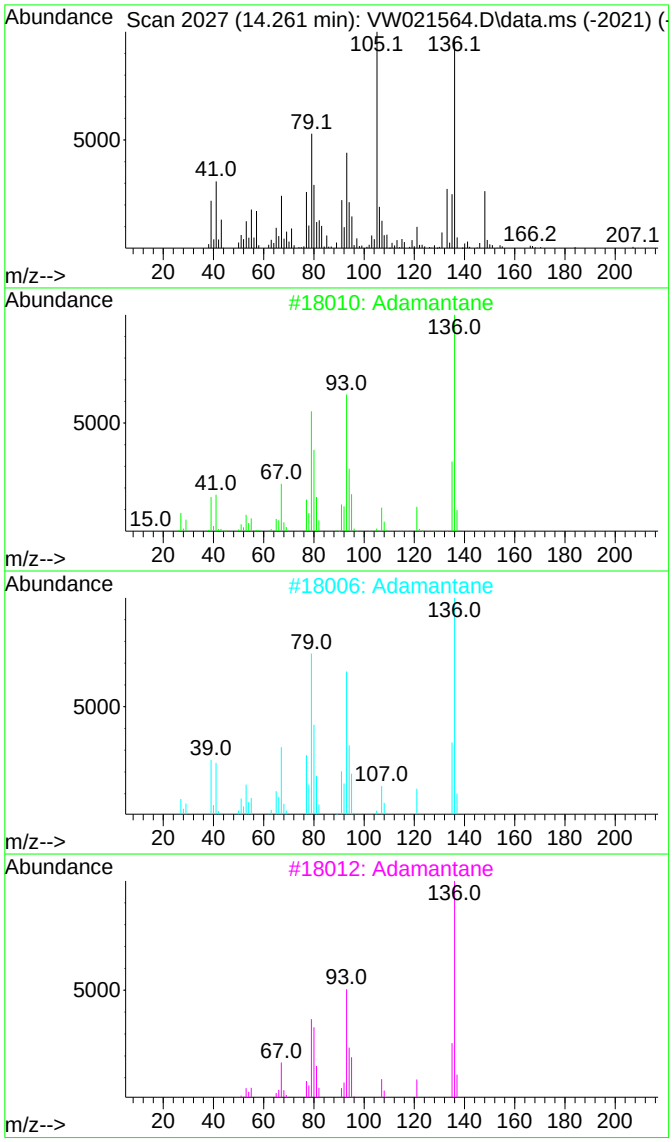
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

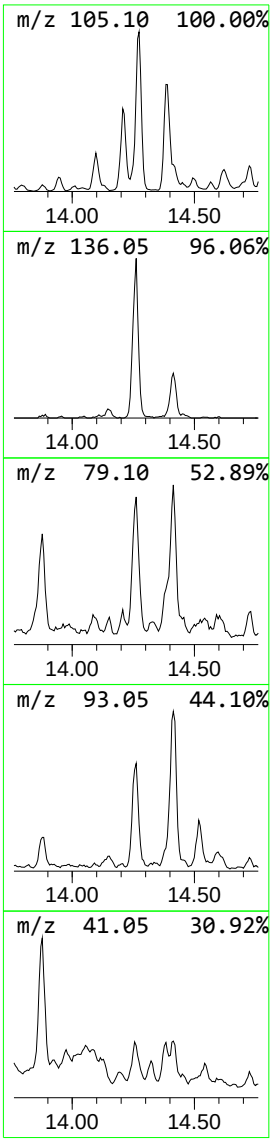
****

Peak Number 33 Adamantane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.261	15.18 ug/L	273882	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	90
2	Adamantane	136	C10H16	000281-23-2	90
3	Adamantane	136	C10H16	000281-23-2	86
4	Adamantane	136	C10H16	000281-23-2	86
5	Adamantane	136	C10H16	000281-23-2	86





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Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

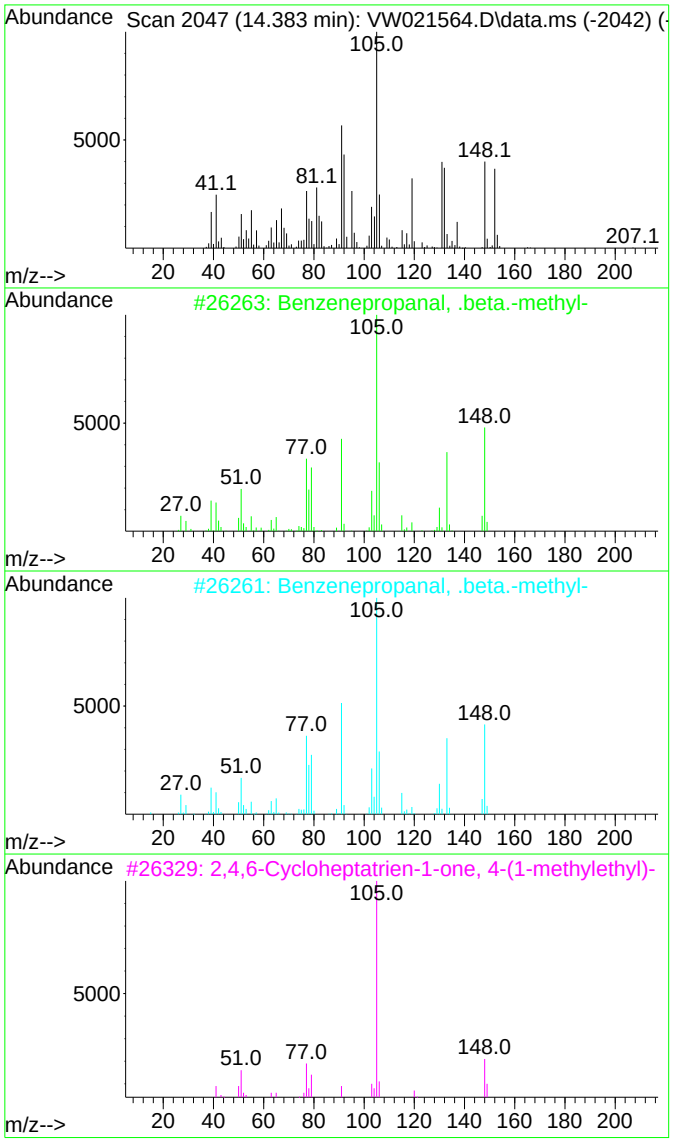
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

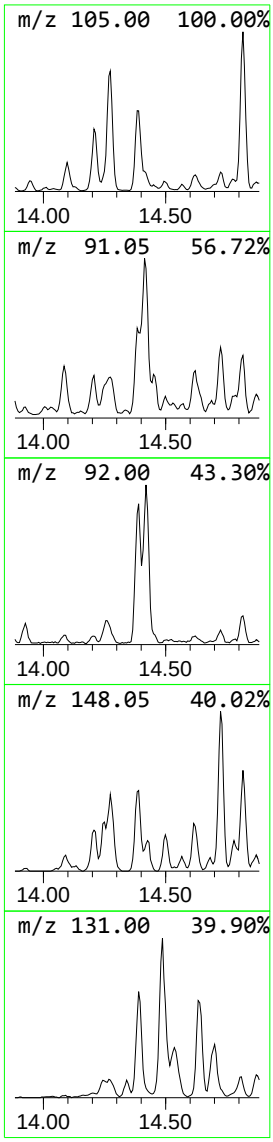
****

Peak Number 34 unknown-02 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	12.69 ug/L	229012	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenepropanal, .beta.-methyl-	148	C10H12O	016251-77-7	20
2	Benzenepropanal, .beta.-methyl-	148	C10H12O	016251-77-7	18
3	2,4,6-Cycloheptatrien-1-one, 4-(...	148	C10H12O	013656-81-0	14
4	3-Buten-2-ol, 4-phenyl-	148	C10H12O	017488-65-2	14
5	Benzenepropanal, .beta.-methyl-	148	C10H12O	016251-77-7	14





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Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

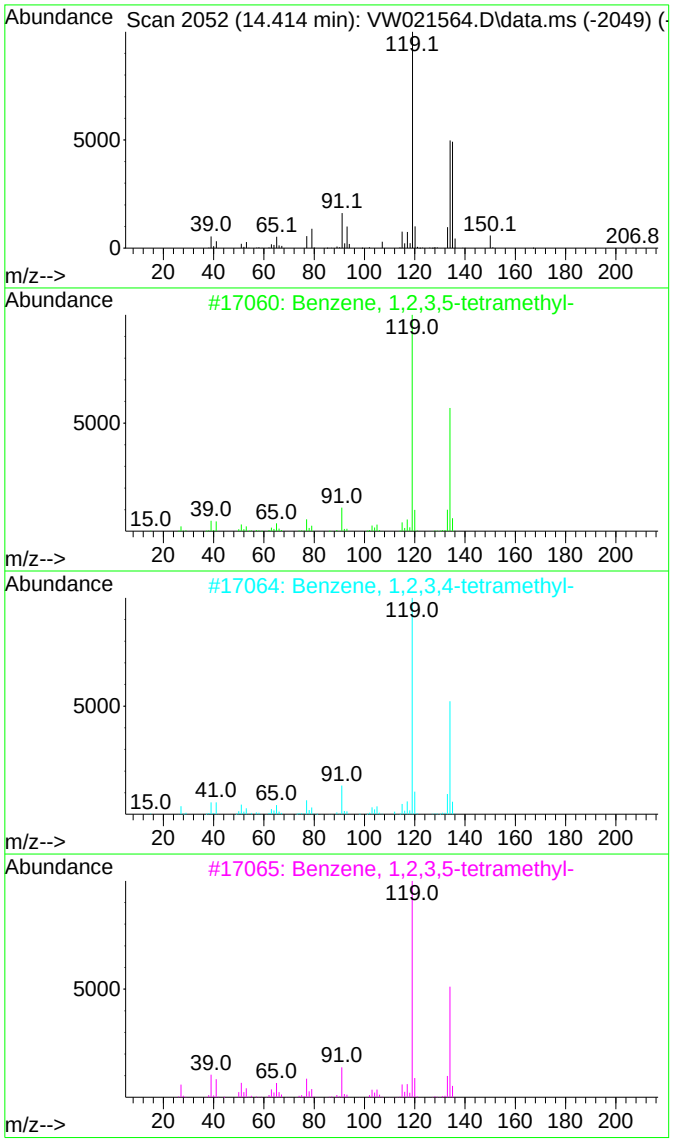
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

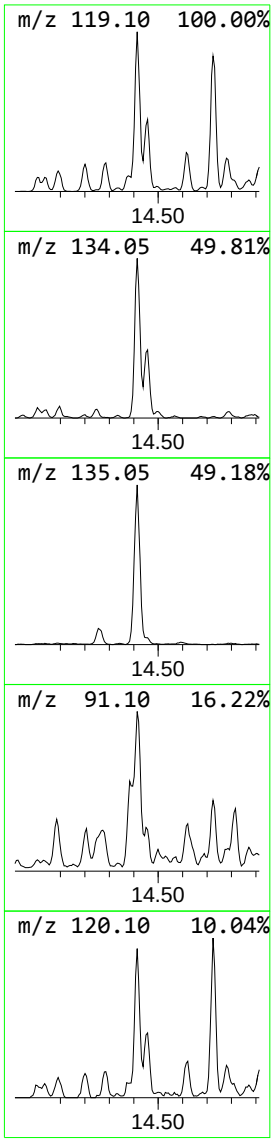
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.414	17.41 ug/L	314138	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	76
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	76
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

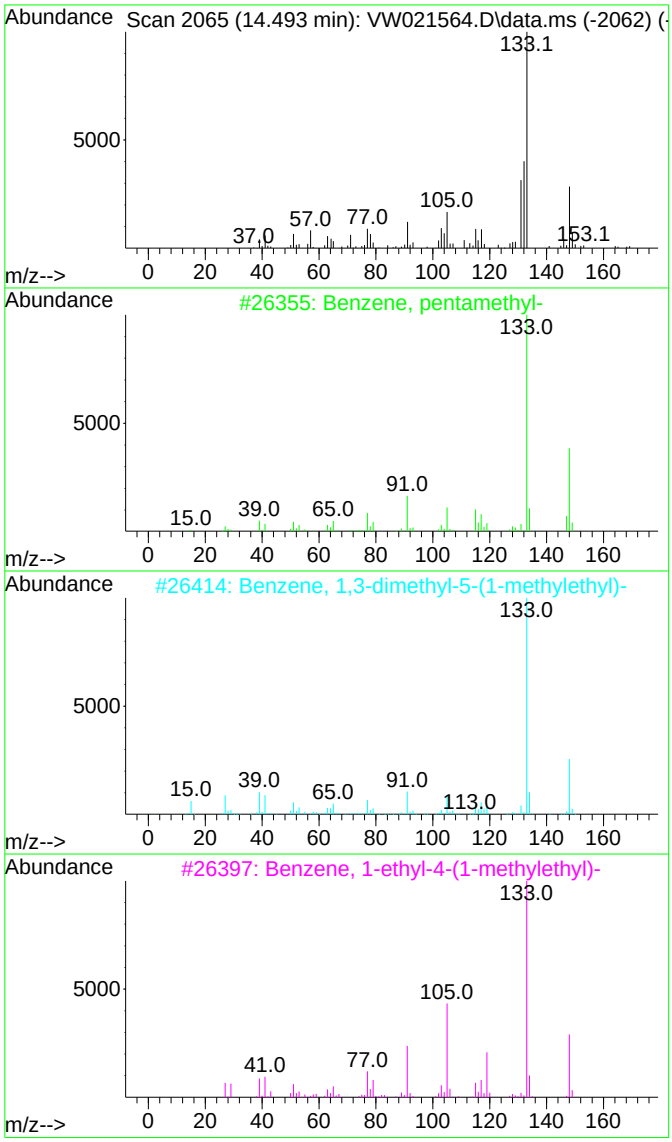
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

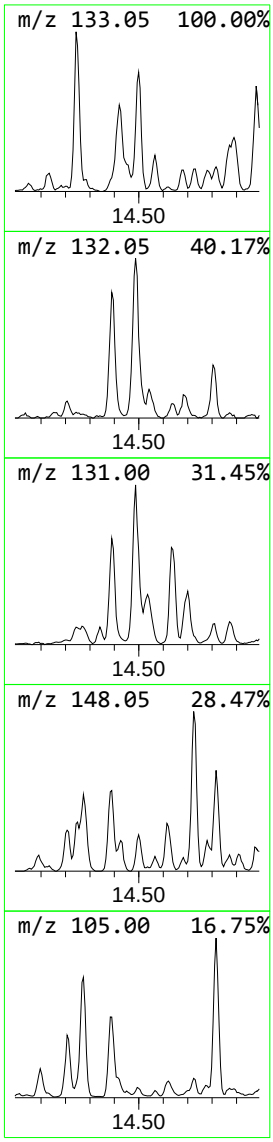
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 Benzene, pentamethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.493	2.55 ug/L	46073	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	53
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	53
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	50
4	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	49
5	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

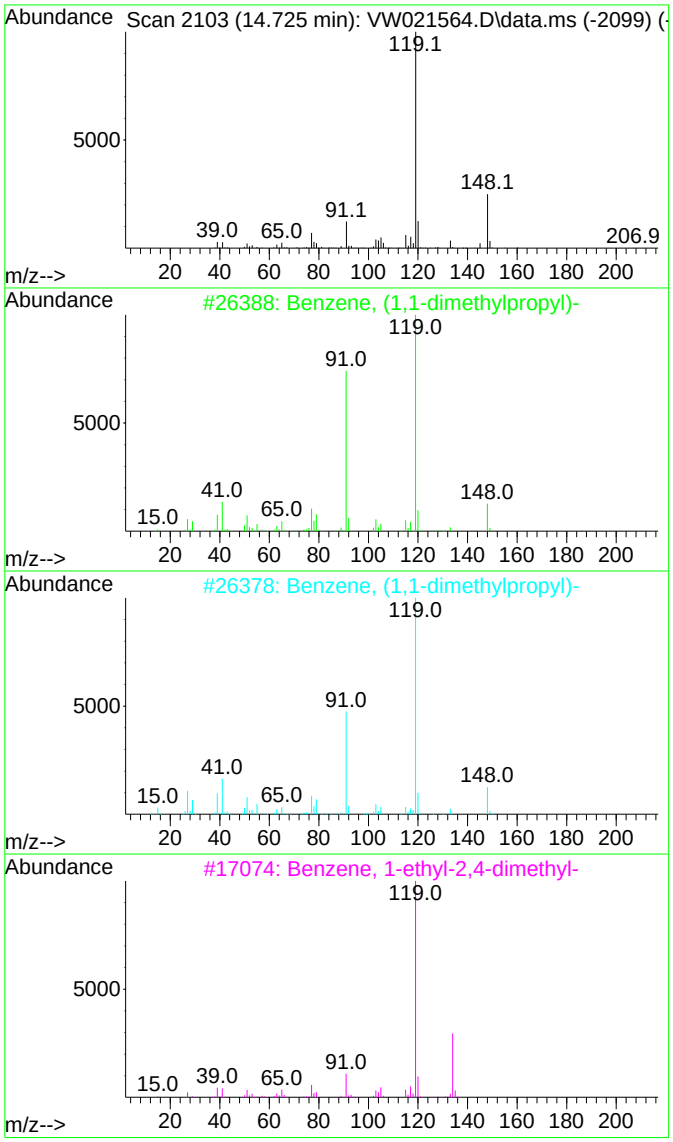
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

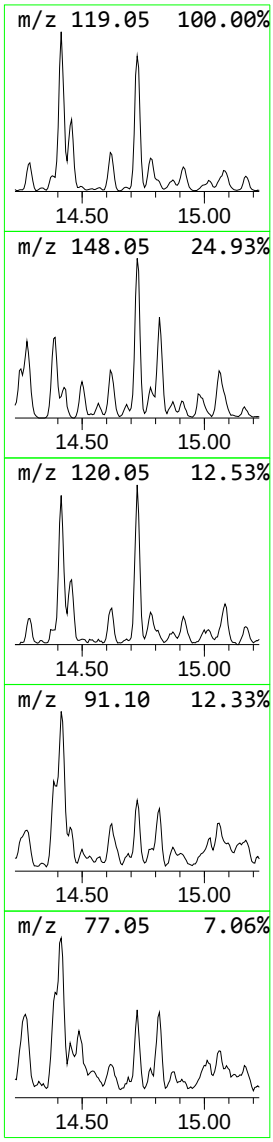
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 Benzene, (1,1-dimethylpropyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.725	9.74 ug/L	175720	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	91
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	86
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	72
4	3,5-Dimethylbenzylpentylamine	205	C14H23N	1000491-60-8	72
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

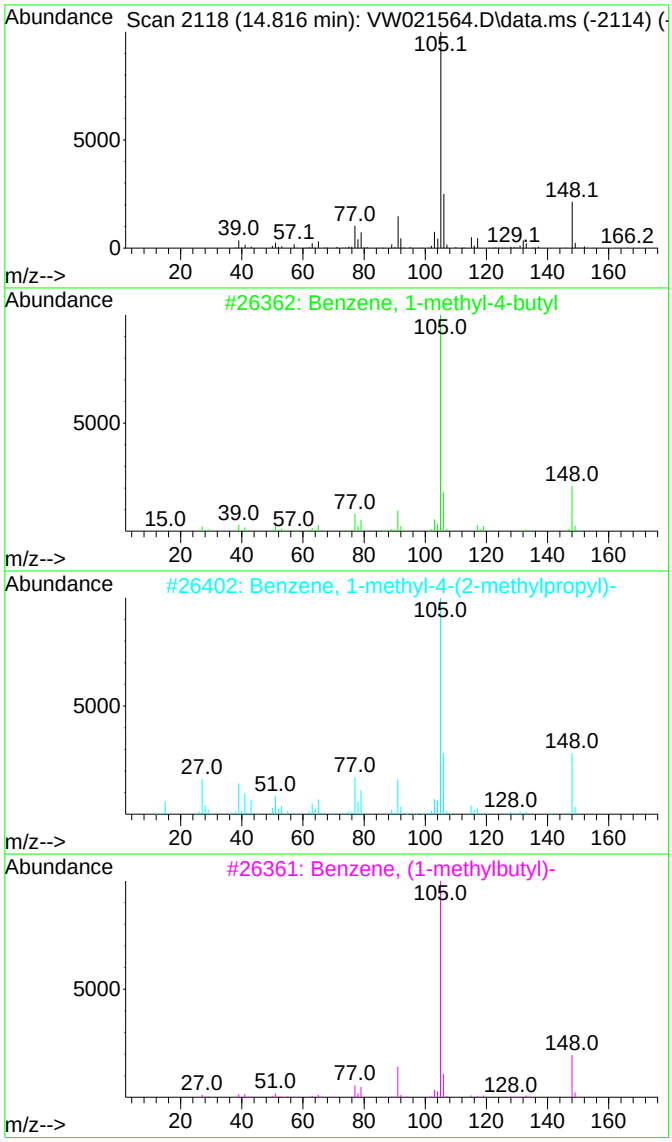
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

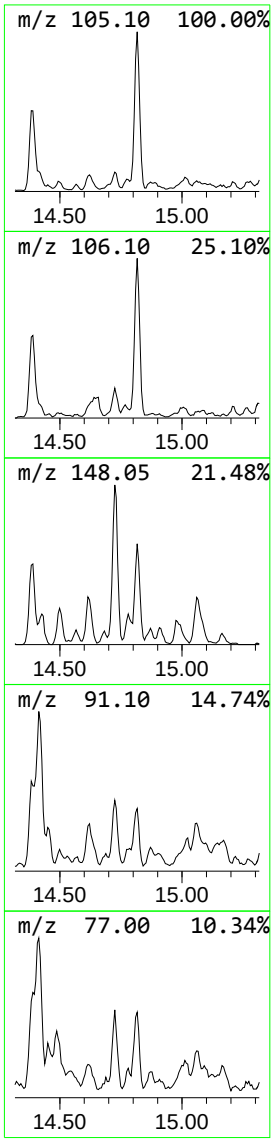
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Benzene, 1-methyl-4-butyl Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.816	7.86 ug/L	141943	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-butyl	148	C11H16	001595-05-7	91
2	Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	74
3	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	64
4	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	59
5	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

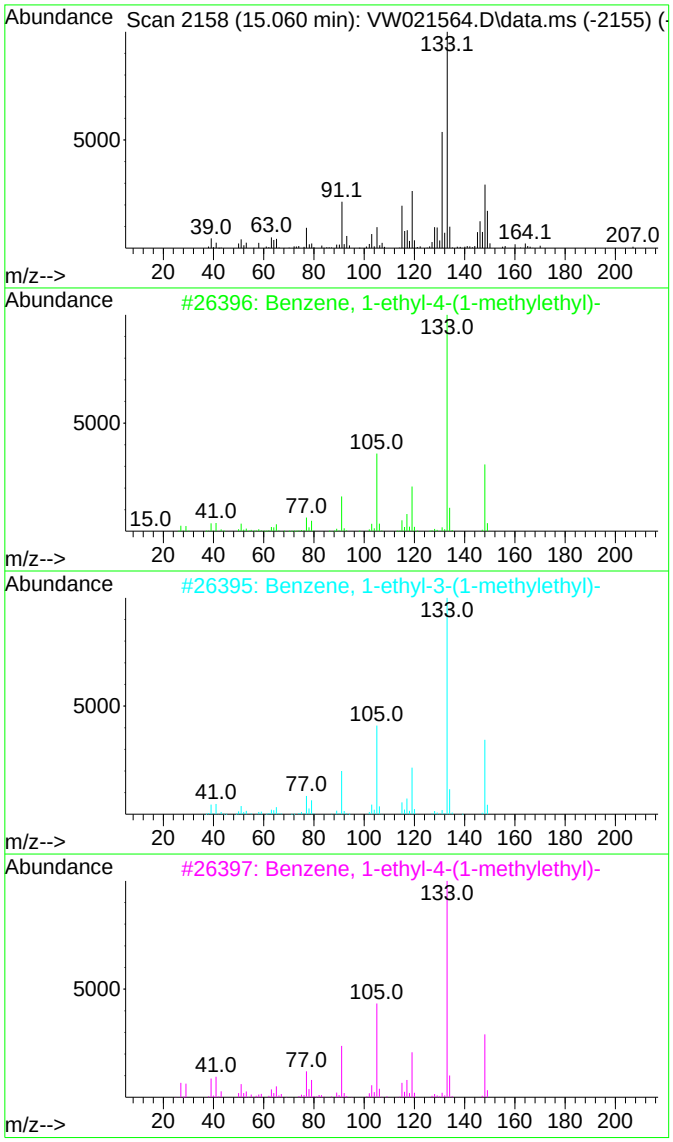
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

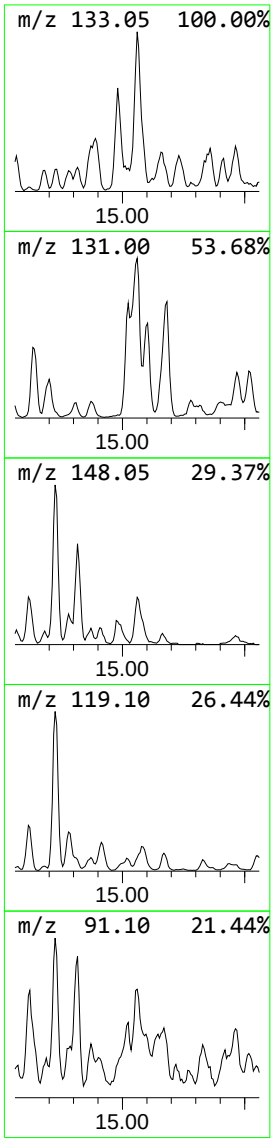
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	3.60 ug/L	65049	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	53
2	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	49
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	49
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	46
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

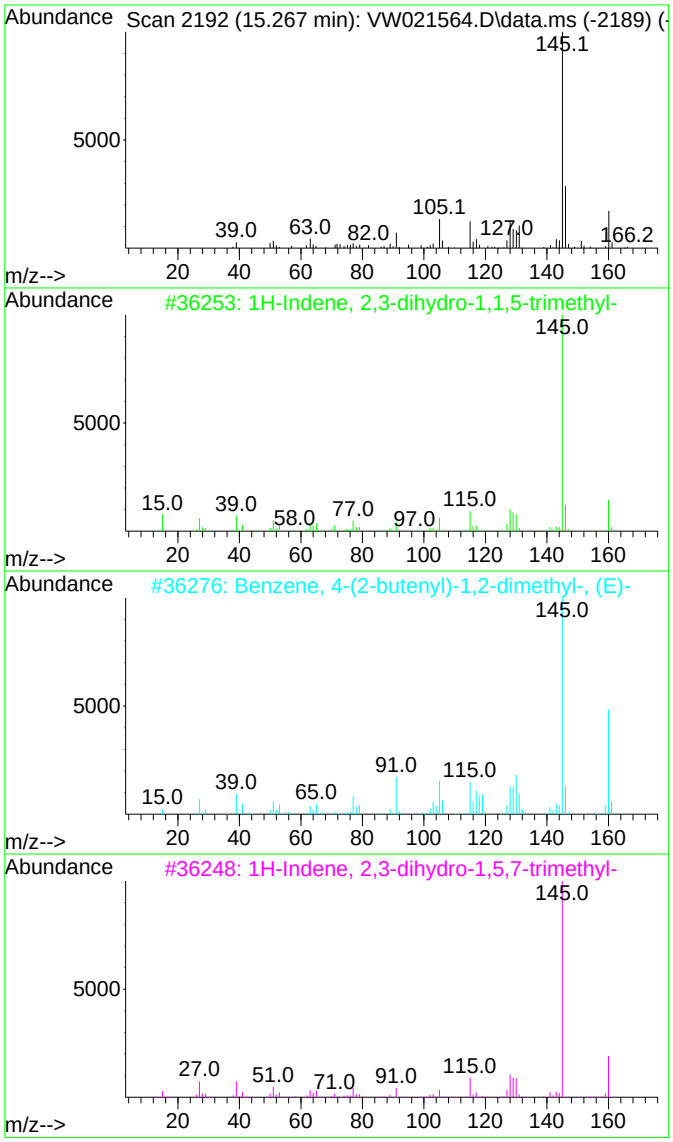
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

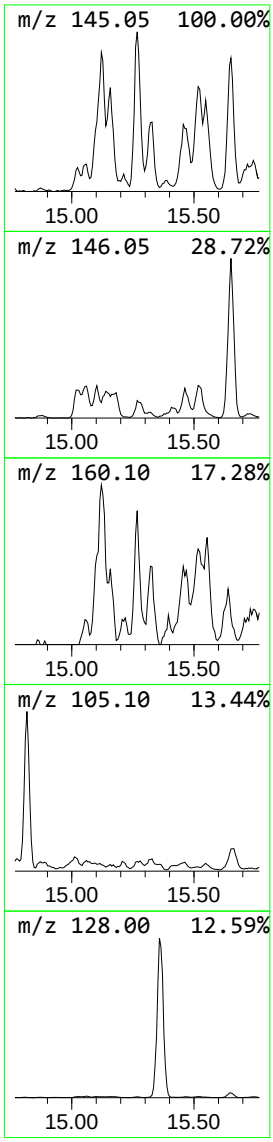
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.267	2.27 ug/L	40916	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	87
2	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	83
3	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	81
4	1H-Indene, 2,3-dihydro-1,1,6-tri...	160	C12H16	014276-95-0	76
5	1H-Indene, 2,3-dihydro-1,1,4-tri...	160	C12H16	016204-72-1	76





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Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

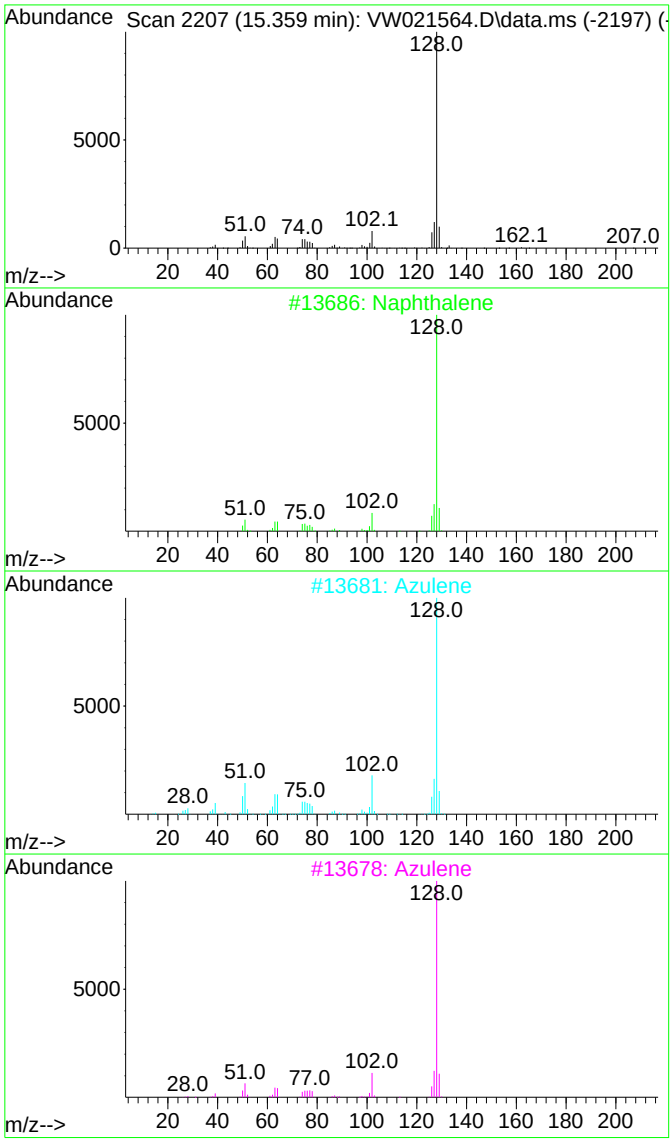
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

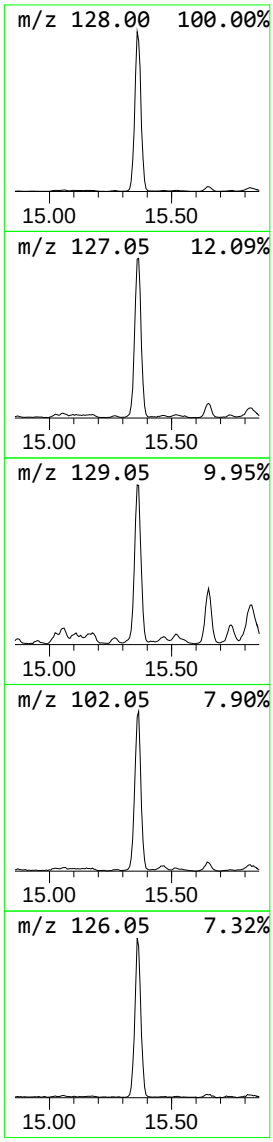
****

Peak Number 41 Azulene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.359	55.74 ug/L	1005920	1,4-Dichlorobenzene-d4	13.554

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





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Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

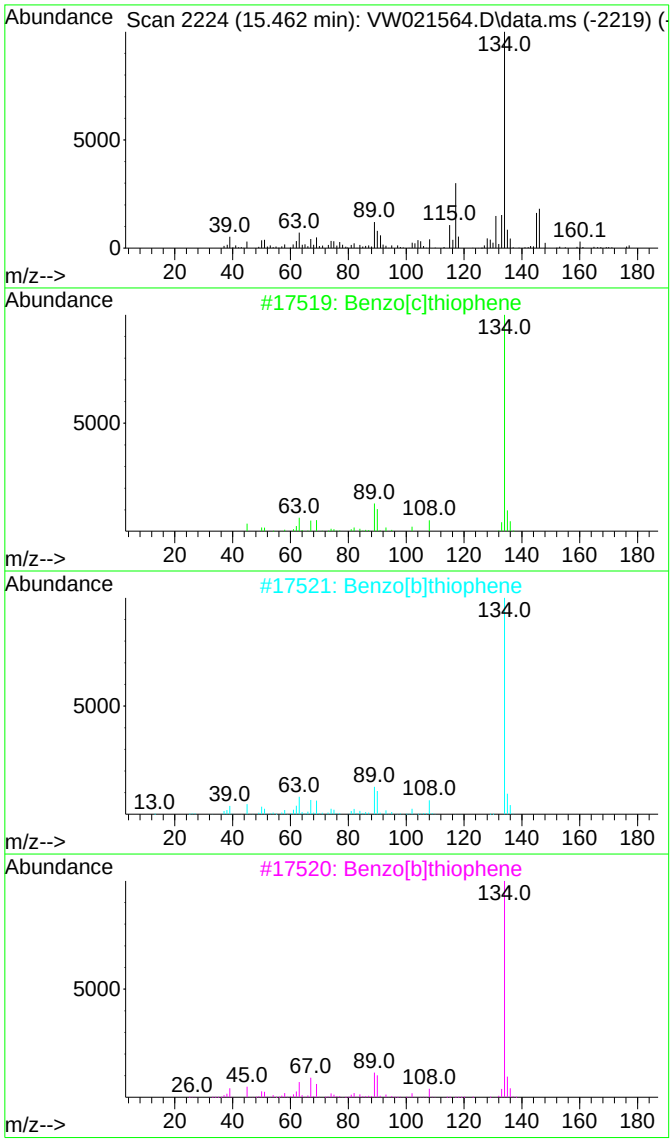
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

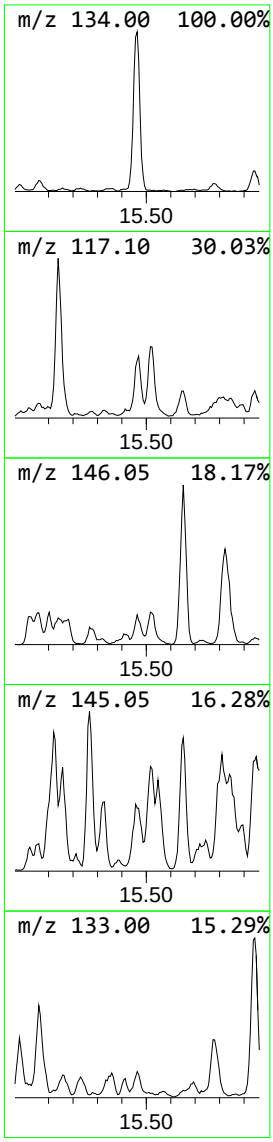
****

Peak Number 42 Benzo[c]thiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.462	8.14 ug/L	146947	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	90
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	60
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	60
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	53
5	Pyrimidine, 2,4,6-trifluoro-	134	C4HF3N2	000696-82-2	43





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Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

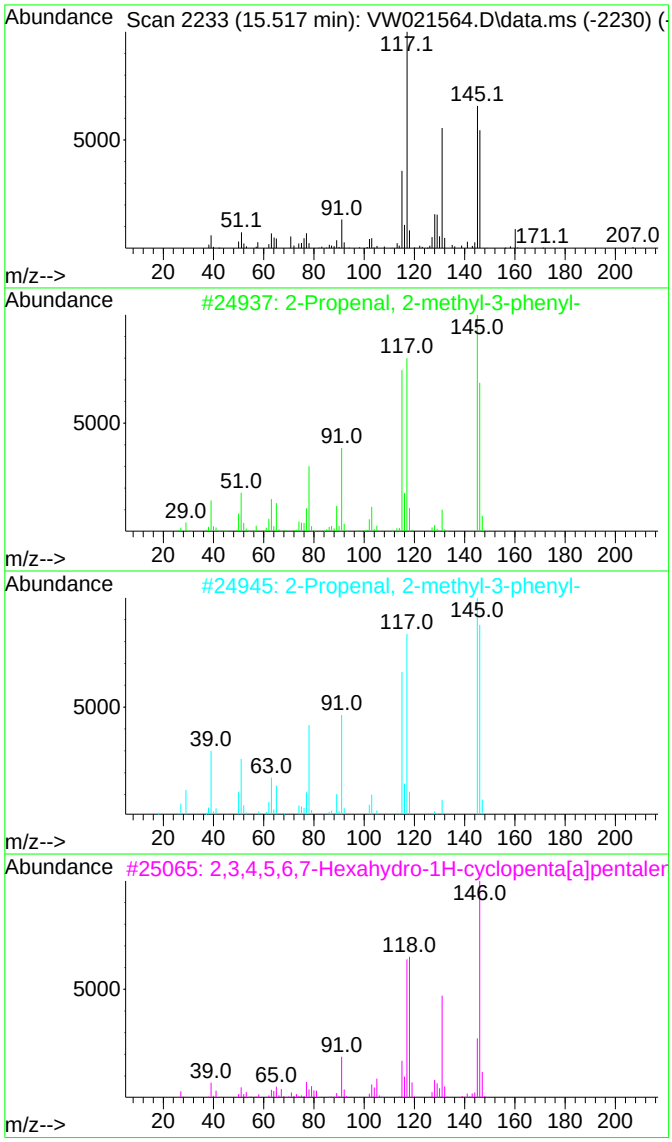
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

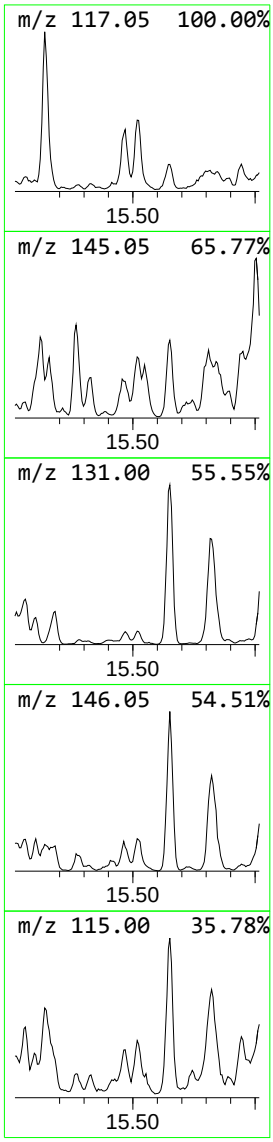
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 2-Propenal, 2-methyl-3-phenyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.517	2.41 ug/L	43570	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	53
2	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	53
3	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1010189-31-0	50
4	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	49
5	trans-1-Phenyl-1-pentene	146	C11H14	016002-93-0	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

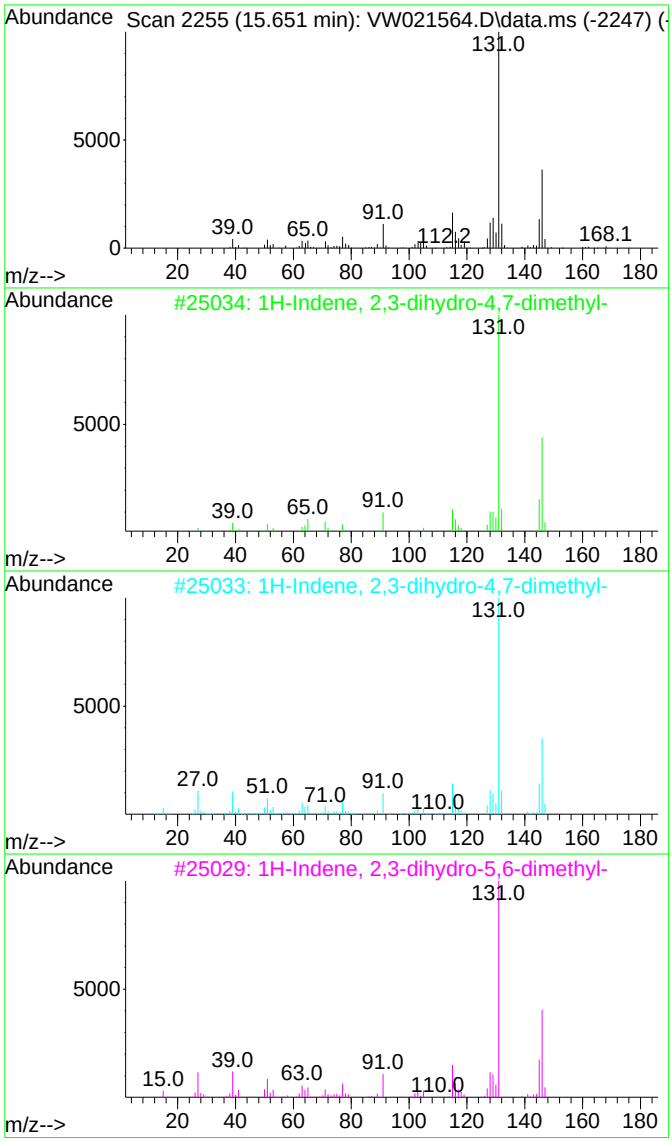
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

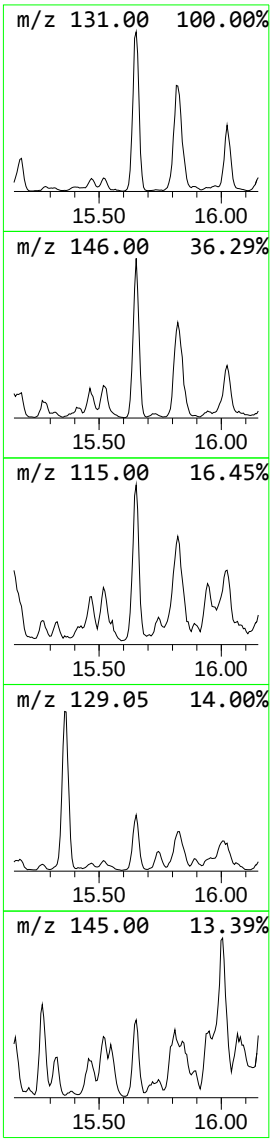
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	23.86 ug/L	430706	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	96
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
3	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	94
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

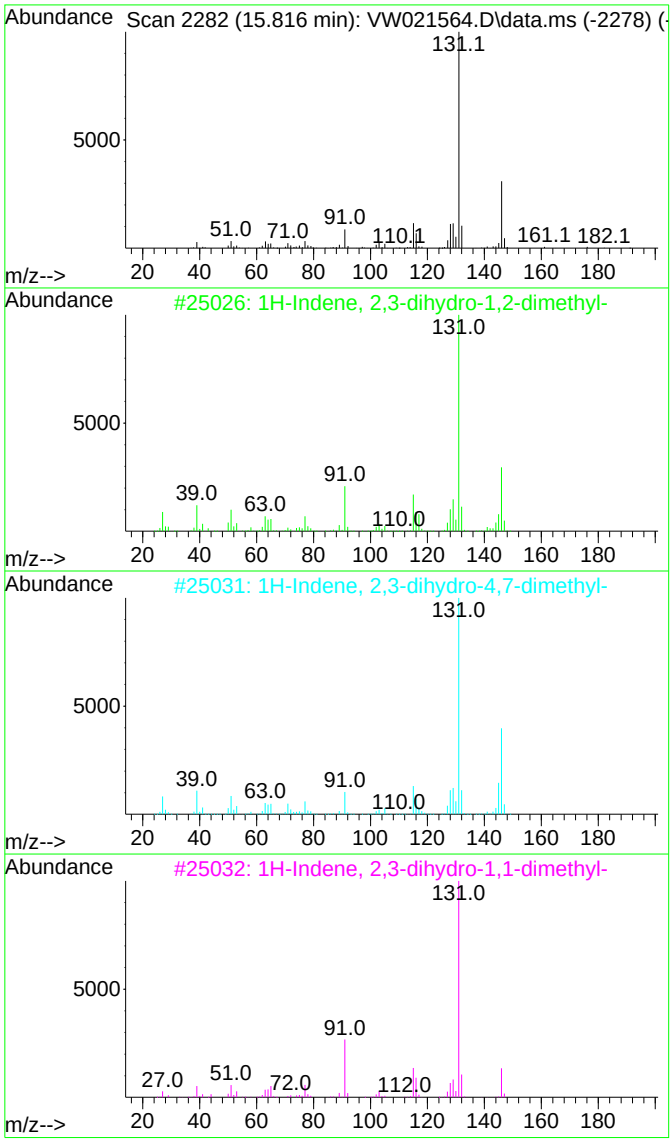
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

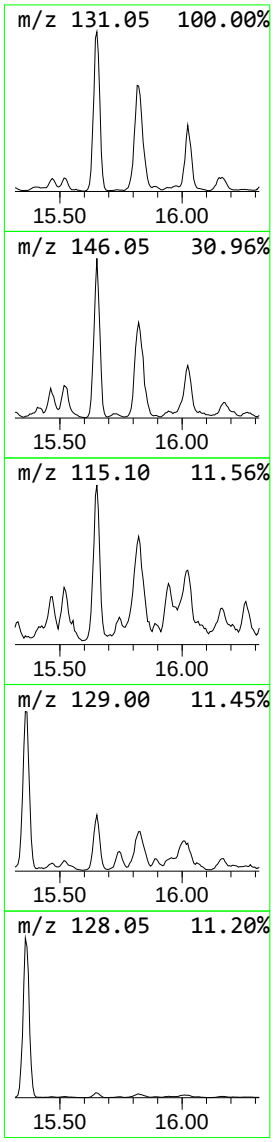
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.816	17.33 ug/L	312738	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
3	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	91
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

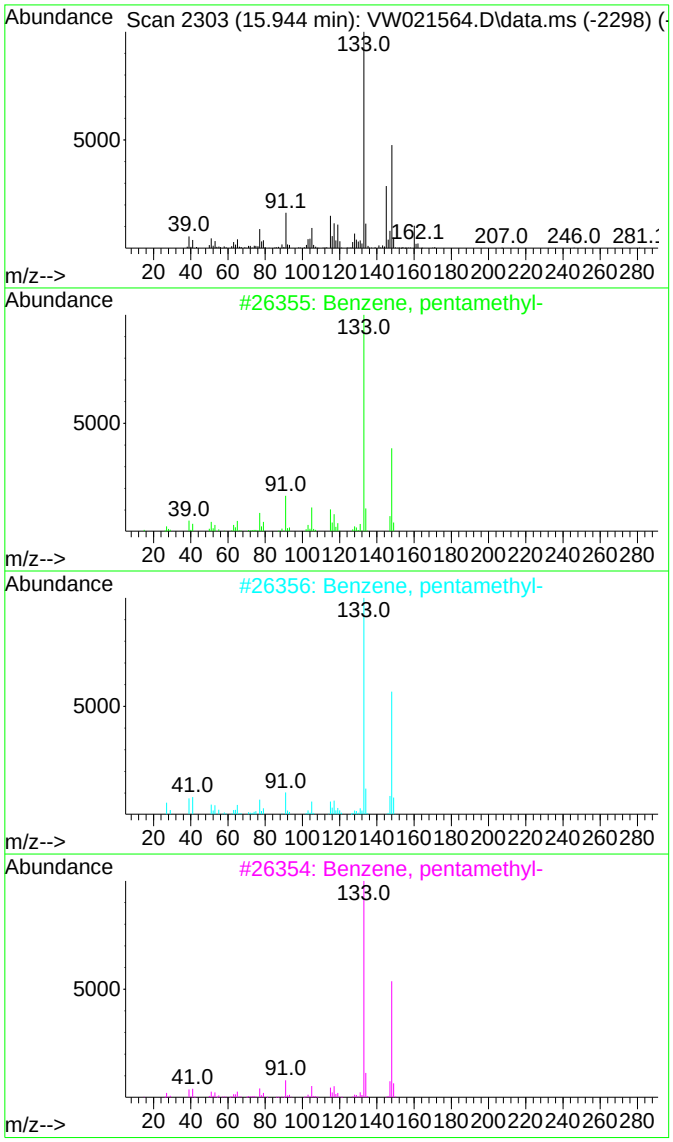
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

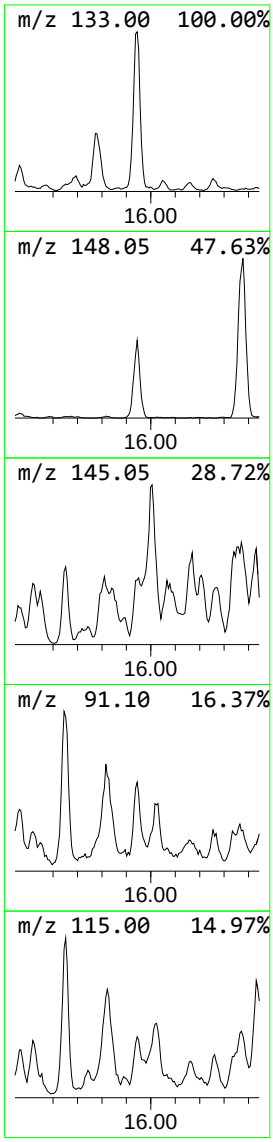
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.944	10.62 ug/L	191596	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	94
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	64
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

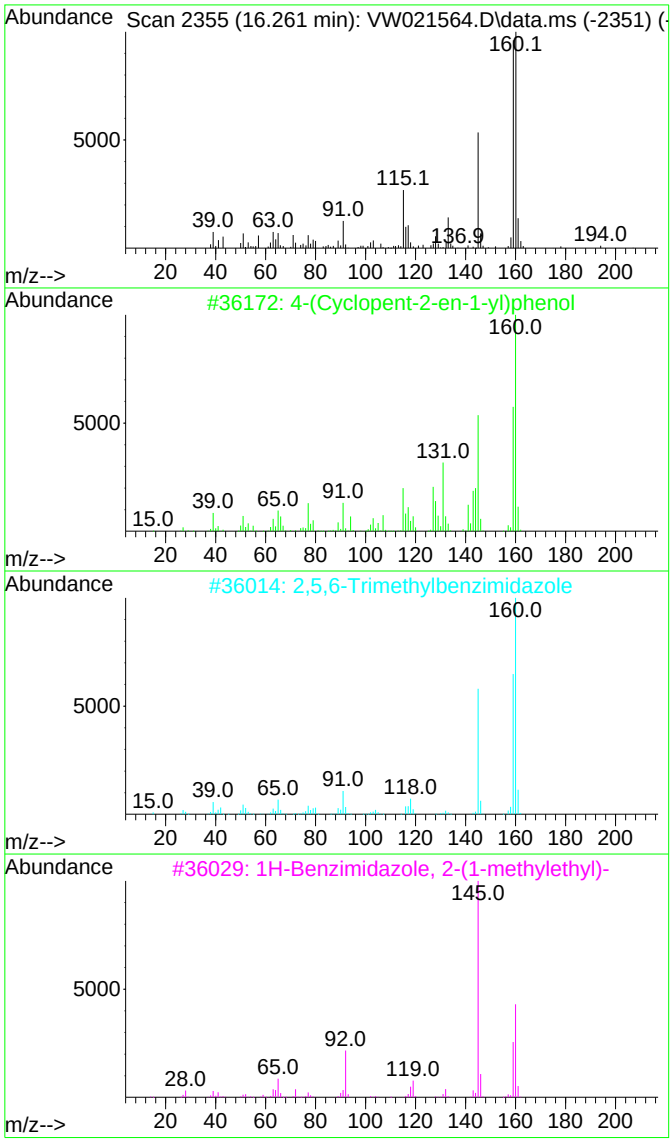
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

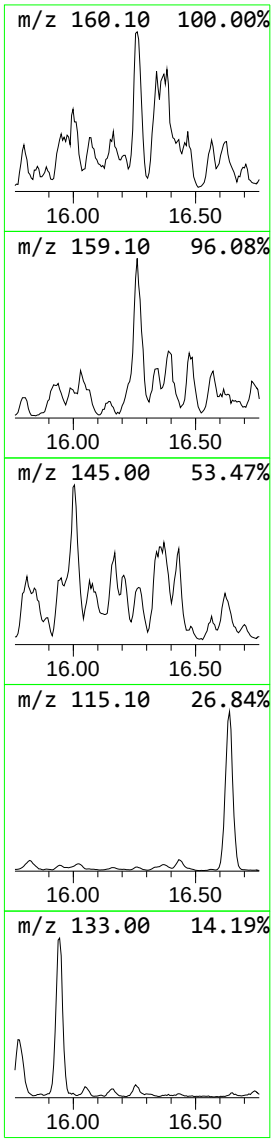
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 4-(Cyclopent-2-en-1-yl)phenol Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.261	5.61 ug/L	101218	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(Cyclopent-2-en-1-yl)phenol	160	C11H12O	006627-84-5	64
2	2,5,6-Trimethylbenzimidazole	160	C10H12N2	003363-56-2	58
3	1H-Benzimidazole, 2-(1-methyleth...	160	C10H12N2	005851-43-4	47
4	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	47
5	2-Naphthalenethiol	160	C10H8S	000091-60-1	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

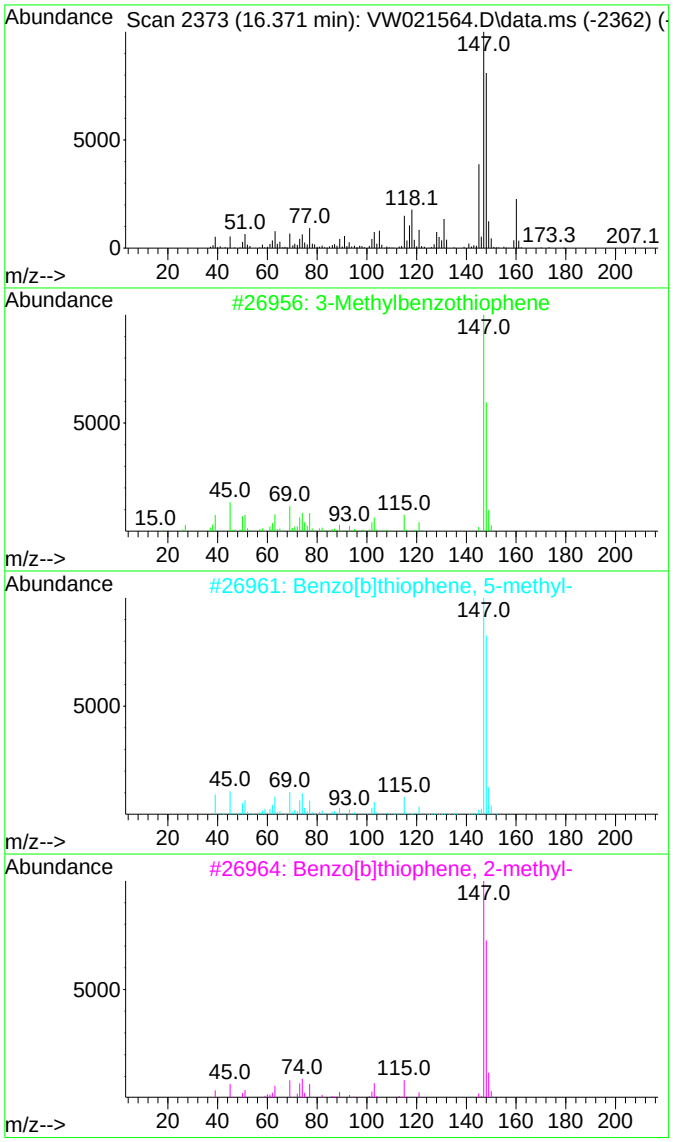
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

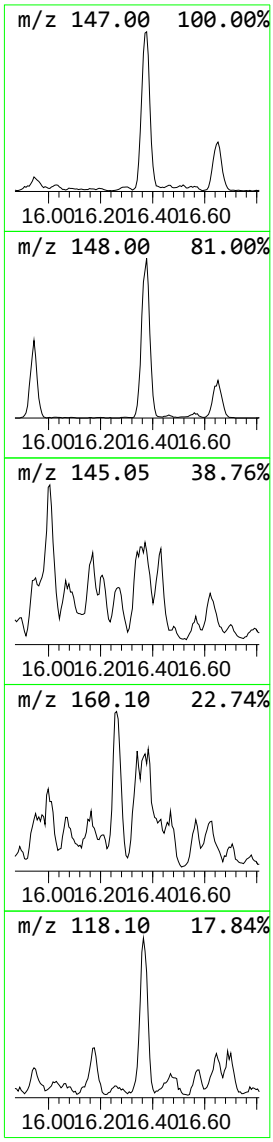
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 3-Methylbenzothiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.371	22.89 ug/L	413196	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylbenzothiophene	148	C9H8S	001455-18-1	60
2	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	53
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	53
4	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	53
5	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

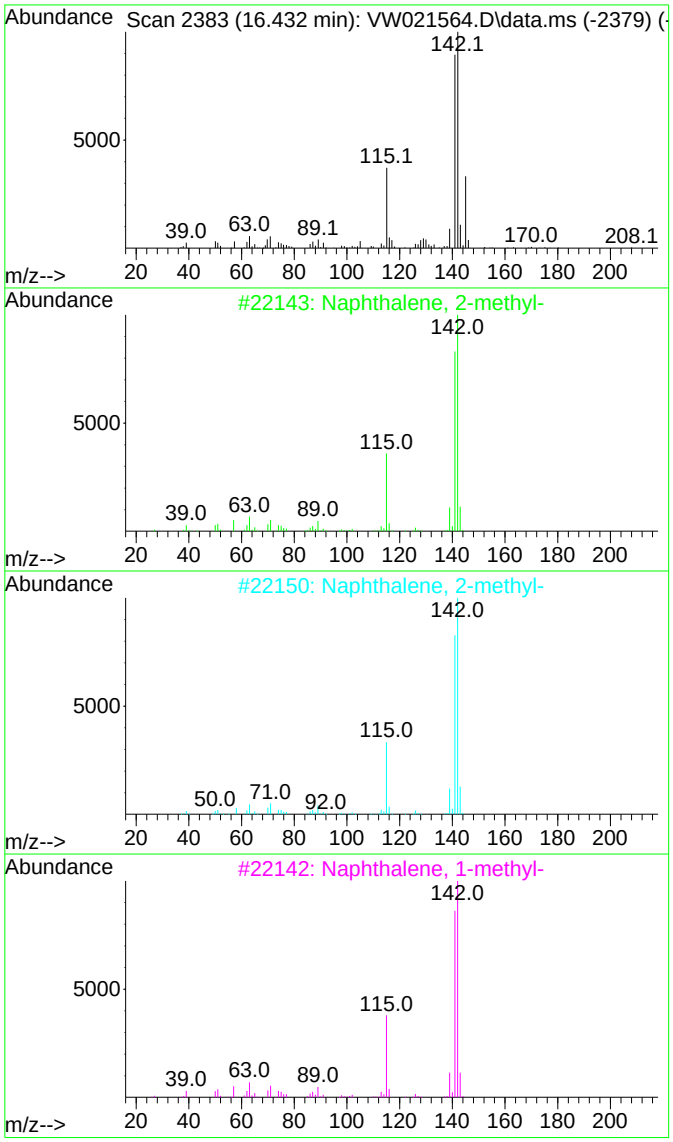
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

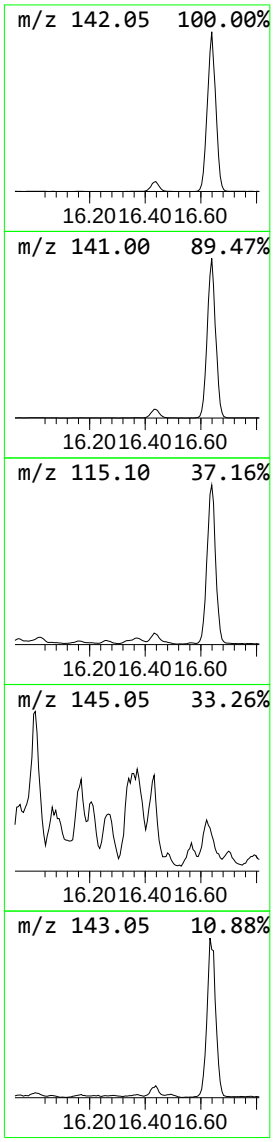
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 Benzocycloheptatriene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.432	14.65 ug/L	264335	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
4	Benzocycloheptatriene	142	C11H10	000264-09-5	87
5	Benzocycloheptatriene	142	C11H10	000264-09-5	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021564.D
Acq On : 22 Dec 2021 15:41
Operator : SY/VA
Sample : M5154-04
Misc : 6.84g/10.0mL/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL84

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.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
Acetaldehyde	2.495	1.3	ug/L	17943	1	8.842	343604	25.0
(DEL) Alkane: S...	8.476	3.0	ug/L	41094	1	8.842	343604	25.0
(DEL) Alkane: S...	9.329	1.8	ug/L	24104	1	8.842	343604	25.0
(DEL) Alkane: S...	9.384	2.3	ug/L	31018	1	8.842	343604	25.0
Propanoic acid,...	9.756	2.6	ug/L	36461	1	8.842	343604	25.0
(DEL) Alkane: S...	9.890	3.3	ug/L	44939	1	8.842	343604	25.0
(DEL) Alkane: S...	10.244	1.4	ug/L	24673	2	11.628	437063	25.0
(DEL) Alkane: C...	10.664	1.7	ug/L	29931	2	11.628	437063	25.0
(DEL) Alkane: C...	10.762	1.8	ug/L	32108	2	11.628	437063	25.0
unknown-01	10.847	1.4	ug/L	23766	2	11.628	437063	25.0
(DEL) Alkane: S...	11.030	1.6	ug/L	27746	2	11.628	437063	25.0
(DEL) Alkane: C...	11.110	1.9	ug/L	32371	2	11.628	437063	25.0
(DEL) Alkane: C...	11.225	9.3	ug/L	162418	2	11.628	437063	25.0
(DEL) Alkane: C...	11.433	8.1	ug/L	141405	2	11.628	437063	25.0
(DEL) Alkane: C...	11.518	1.6	ug/L	28490	2	11.628	437063	25.0
(DEL) Alkane: C...	11.817	3.5	ug/L	61974	2	11.628	437063	25.0
(DEL) Alkane: C...	11.871	13.3	ug/L	231745	2	11.628	437063	25.0
(DEL) Alkane: C...	11.914	7.3	ug/L	127211	2	11.628	437063	25.0
(DEL) Alkane: S...	12.060	3.6	ug/L	63341	2	11.628	437063	25.0
(DEL) Alkane: C...	12.134	27.6	ug/L	482036	2	11.628	437063	25.0
(DEL) Alkane: S...	12.249	12.4	ug/L	217302	2	11.628	437063	25.0
(DEL) Alkane: C...	12.304	5.5	ug/L	96400	2	11.628	437063	25.0
Oxalic acid, cy...	12.414	6.9	ug/L	121028	2	11.628	437063	25.0
(DEL) Alkane: C...	12.780	16.6	ug/L	300310	3	13.554	451194	25.0
(DEL) Alkane: S...	12.859	11.1	ug/L	199854	3	13.554	451194	25.0
(DEL) Alkane: S...	13.079	5.4	ug/L	97895	3	13.554	451194	25.0
(DEL) Alkane: S...	13.164	17.1	ug/L	309329	3	13.554	451194	25.0
Sulfurous acid,...	13.481	3.3	ug/L	59826	3	13.554	451194	25.0
Indene	13.932	6.3	ug/L	113484	3	13.554	451194	25.0
Benzene, 1,3-di...	14.207	5.8	ug/L	104015	3	13.554	451194	25.0
Adamantane	14.261	15.2	ug/L	273882	3	13.554	451194	25.0
unknown-02	14.383	12.7	ug/L	229012	3	13.554	451194	25.0
Benzene, 1,2,3,...	14.414	17.4	ug/L	314138	3	13.554	451194	25.0
Benzene, pentam...	14.493	2.5	ug/L	46073	3	13.554	451194	25.0
Benzene, (1,1-d...	14.725	9.7	ug/L	175720	3	13.554	451194	25.0
Benzene, 1-meth...	14.816	7.9	ug/L	141943	3	13.554	451194	25.0
Benzene, 1-ethy...	15.060	3.6	ug/L	65049	3	13.554	451194	25.0
1H-Indene, 2,3-...	15.267	2.3	ug/L	40916	3	13.554	451194	25.0
Azulene	15.359	55.7	ug/L	1005920	3	13.554	451194	25.0
Benzo[c]thiophene	15.462	8.1	ug/L	146947	3	13.554	451194	25.0
2-Propenal, 2-m...	15.517	2.4	ug/L	43570	3	13.554	451194	25.0
1H-Indene, 2,3-...	15.651	23.9	ug/L	430706	3	13.554	451194	25.0
1H-Indene, 2,3-...	15.816	17.3	ug/L	312738	3	13.554	451194	25.0
Benzene, 1,3-di...	15.944	10.6	ug/L	191596	3	13.554	451194	25.0
4-(Cyclopent-2-...	16.261	5.6	ug/L	101218	3	13.554	451194	25.0
3-Methylbenzoth...	16.371	22.9	ug/L	413196	3	13.554	451194	25.0
Benzocyclohepta...	16.432	14.7	ug/L	264335	3	13.554	451194	25.0