LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

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\SFAMWLM120321SMA.M
Title : SFAM01.0

Signal : TIC: VW021224.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.989	10	14	24	rVB2	6369	12573	0.88%	0.060%
2	2.349	64	73	82	rVB	48766	88762	6.19%	0.424%
3	2.501	92	98	115	rVB	11692	28646	2.00%	0.137%
4	2.812	145	149	153	rBV	1142	2058	0.14%	0.010%
5	2.879	154	160	170	rVB	27045	55726	3.88%	0.266%
6	3.385	236	243	248	rBV3	667	1318	0.09%	0.006%
7	3.684	284	292	304	rVB3	2613	6061	0.42%	0.029%
8	4.013	336	346	360	rBV	49228	140663	9.80%	0.672%
9	4.153	360	369	384	rVB2	2238	7696	0.54%	0.037%
10	4.379	397	406	416	rVB2	1525	4682	0.33%	0.022%
11	4.909	482	493	504	rVV2	4531	15621	1.09%	0.075%
12	5.793	628	638	647	rBV4	1217	3799	0.26%	0.018%
13	6.720	779	790	799	rBV3	4955	16525	1.15%	0.079%
14	6.879	805	816	829	rBV3	13418	48561	3.38%	0.232%
15	7.092	841	851	859	rBV	7536	22834	1.59%	0.109%
16	7.647	931	942	963	rBV	68801	178253	12.42%	0.852%
17	7.921	977	987	998	rVV	75945	186193	12.97%	0.890%
18	8.031	998	1005	1017	rVV	36100	93234	6.50%	0.446%
19	8.153	1017	1025	1036	rVV	116117	271458	18.92%	1.297%
20	8.275	1036	1045	1060	rVV2	135386	397240	27.68%	1.899%
21	8.421	1060	1069	1072	rVV	14123	32699	2.28%	0.156%
22	8.476	1072	1078	1089	rVV	55010	142523	9.93%	0.681%
23	8.573	1089	1094	1102	rVB3	2540	6241	0.43%	0.030%
24	8.842	1130	1138	1150	rBV	130319	259336	18.07%	1.240%
25	9.073	1167	1176	1183	rBV	56739	121480	8.46%	0.581%
26	9.146	1183	1188	1195	rVB2	5291	11121	0.77%	0.053%
27	9.274	1201	1209	1214	rBV	90602	198705	13.85%	0.950%
28	9.384	1223	1227	1235	rVB2	30605	56808	3.96%	0.272%
29	9.470	1235	1241	1244	rBV2	4154	7660	0.53%	0.037%
30	9.518	1245	1249	1254	rVB4	4863	8595	0.60%	0.041%
31	9.610	1254	1264	1270	rVB4	12959	37350	2.60%	0.179%
32	9.756	1281	1288	1302	rVB2	50485	105227	7.33%	0.503%
33	9.896	1302	1311	1316	rBV	68270	140814	9.81%	0.673%
34	9.957	1316	1321	1323	rVV	22727	36056	2.51%	0.172%
35	9.988	1323	1326	1330	rVV	32142	52187	3.64%	0.249%
36	10.037	1330	1334	1338	rVV	41171	67555	4.71%	0.323%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

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\SFAMWLM120321SMA.M
Title : SFAM01.0

37	10.098	1338	1344	1358	rVB	72314	183099	12.76%	0.875%
38	10.250	1358	1369	1374	rBV2	31901	66383	4.63%	0.317%
39	10.323	1374	1381	1396	rBV	282473	557778	38.87%	2.666%
40	10.445	1396	1401	1404	rBV	11538	18698	1.30%	0.089%
41	10.488	1404	1408	1418	rVB5	23952	71448	4.98%	0.341%
42	10.579	1418	1423	1432	rBV2	38744	77839	5.42%	0.372%
43	10.664	1432	1437	1443	rBV	47120	81573	5.68%	0.390%
44	10.762	1444	1453	1458	rBV4	45265	115036	8.02%	0.550%
45	10.847	1463	1467	1472	rVB2	43187	76998	5.37%	0.368%
46	10.933	1472	1481	1485	rBV4	72015	197145	13.74%	0.942%
47	10.994	1488	1491	1494	rBV	58151	81995	5.71%	0.392%
48	11.110	1506	1510	1513	rBV	63213	104094	7.25%	0.498%
49	11.183	1518	1522	1526	rVV2	136301	254474	17.73%	1.216%
50	11.231	1526	1530	1533	rVV2	103824	187332	13.05%	0.895%
51	11.274	1534	1537	1544	rVV4	83958	174124	12.13%	0.832%
52	11.335	1544	1547	1551	rVV3	75873	102367	7.13%	0.489%
53	11.408	1556	1559	1561	rBV3	58944	82628	5.76%	0.395%
54	11.512	1571	1576	1586	rVB3	160953	304266	21.20%	1.454%
55	11.634	1589	1596	1604	rBV	251633	463879	32.32%	2.217%
56	11.731	1607	1612	1615	rBV	200912	330881	23.06%	1.581%
57	11.817	1621	1626	1629	rBV3	86540	149924	10.45%	0.717%
58	11.872	1629	1635	1639	rVV	318593	565476	39.40%	2.703%
59	11.914	1639	1642	1648	rVB	184402	314656	21.93%	1.504%
60	11.975	1648	1652	1655	rBV4	11589	22509	1.57%	0.108%
61	12.054	1658	1665	1671	rVB4	49268	131275	9.15%	0.627%
62	12.134	1671	1678	1690	rBV4	332962	985788	68.69%	4.712%
63	12.250	1695	1697	1701	rVB	107581	126399	8.81%	0.604%
64	12.298	1701	1705	1708	rBV	131501	231451	16.13%	1.106%
65	12.341	1708	1712	1715	rVV2	132700	216388	15.08%	1.034%
66	12.384	1715	1719	1728	rVB2	351124	582874	40.62%	2.786%
67	12.695	1764	1770	1776	rBV3	188928	397780	27.72%	1.901%
68	12.780	1780	1784	1791	rVB3	280887	550570	38.36%	2.631%
69	12.859	1791	1797	1800	rBV3	99343	213647	14.89%	1.021%
70	12.938	1805	1810	1815	rVV5	255296	572992	39.93%	2.739%
71	12.993	1816	1819	1824	rVB2	83338	124879	8.70%	0.597%
72	13.079	1829	1833	1836	rBV2	104846	189606	13.21%	0.906%
73	13.164	1843	1847	1855	rVB4	199148	400122	27.88%	1.912%
74	13.249	1856	1861	1865	rBV	249131	392875	27.38%	1.878%
75	13.554	1907	1911	1915	rBV	218605	386771	26.95%	1.849%
76	13.822	1951	1955	1956	rBV	96993	118726	8.27%	0.567%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

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\SFAMWLM120321SMA.M
Title : SFAM01.0

77	13.877	1957	1964	1969	rVB2	520305	1079159	75.20%	5.158%
78	14.200	2012	2017	2021	rBV2	131847	230536	16.06%	1.102%
79	14.255	2021	2026	2034	rVB4	204437	507891	35.39%	2.427%
80	14.328	2034	2038	2042	rVB4	65978	107711	7.51%	0.515%
81	14.383	2042	2047	2049	rBV2	191030	294171	20.50%	1.406%
82	14.414	2049	2052	2057	rVB3	288735	423692	29.52%	2.025%
83	14.499	2062	2066	2069	rBV	63886	100884	7.03%	0.482%
84	14.633	2084	2088	2094	rVB2	227851	401611	27.99%	1.920%
85	14.725	2100	2103	2108	rVB	158677	239146	16.66%	1.143%
86	14.816	2109	2118	2123	rBV4	132037	278206	19.39%	1.330%
87	14.871	2123	2127	2129	rBV4	46257	75897	5.29%	0.363%
88	15.017	2142	2151	2154	rBV4	96293	271726	18.93%	1.299%
89	15.060	2154	2158	2162	rVV3	119558	197428	13.76%	0.944%
90	15.267	2188	2192	2197	rVB	39864	60141	4.19%	0.287%
91	15.359	2197	2207	2213	rBV	725499	1435090	100.00%	6.859%
92	15.414	2213	2216	2220	rVV2	48254	76439	5.33%	0.365%
93	15.462	2221	2224	2229	rVB3	68126	105371	7.34%	0.504%
94	15.651	2247	2255	2261	rBV3	148579	342120	23.84%	1.635%
95	15.810	2272	2281	2291	rVB6	81457	292670	20.39%	1.399%
96	15.944	2298	2303	2308	rBV2	101137	179609	12.52%	0.858%
97	16.163	2331	2339	2351	rBV5	78216	255702	17.82%	1.222%
98	16.365	2368	2372	2378	rVB2	96771	197547	13.77%	0.944%
99	16.432	2379	2383	2387	rBV2	44090	94271	6.57%	0.451%
100	16.639	2409	2417	2424	rBV	267051	602386	41.98%	2.879%

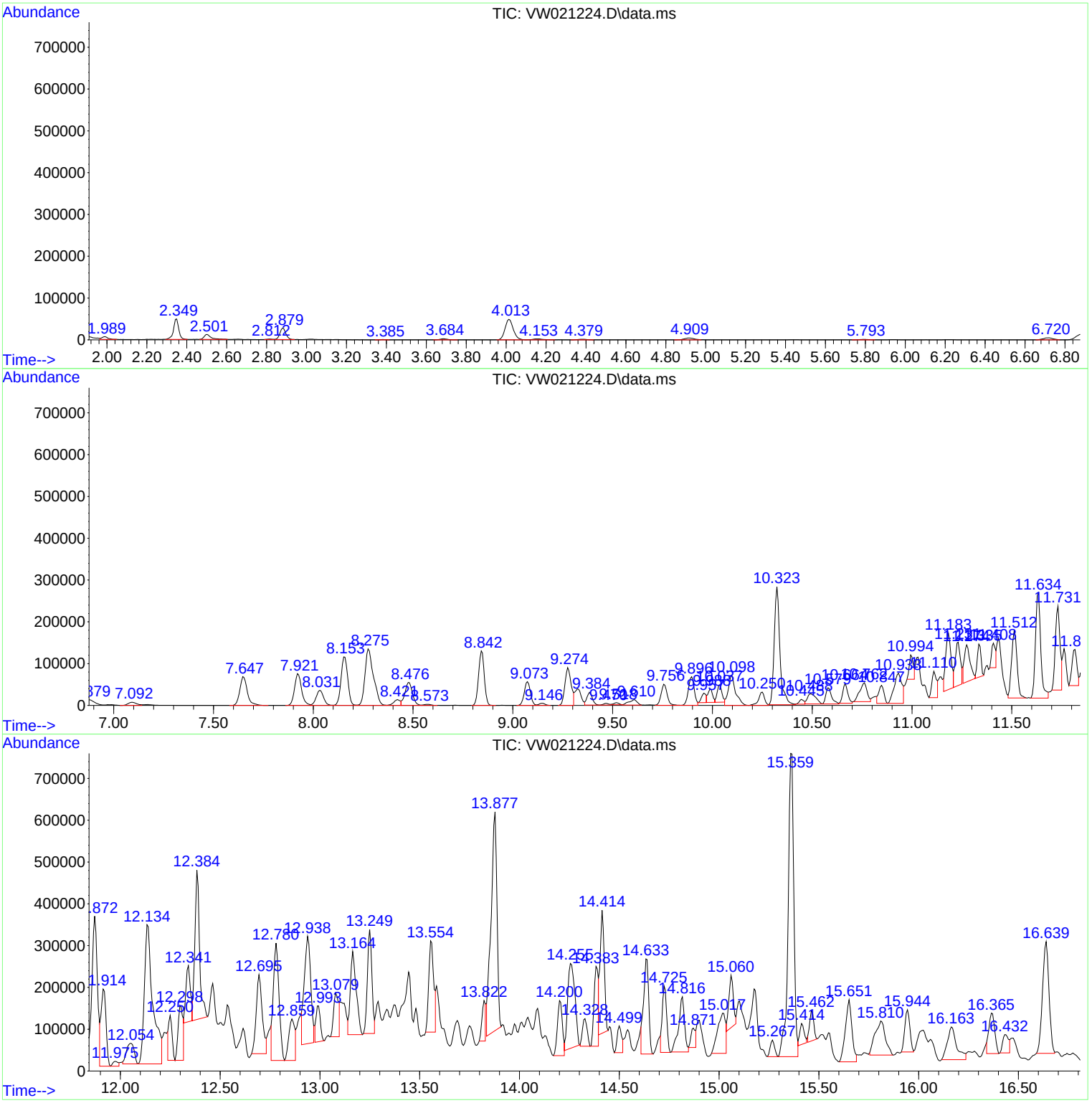
Sum of corrected areas: 20922409

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

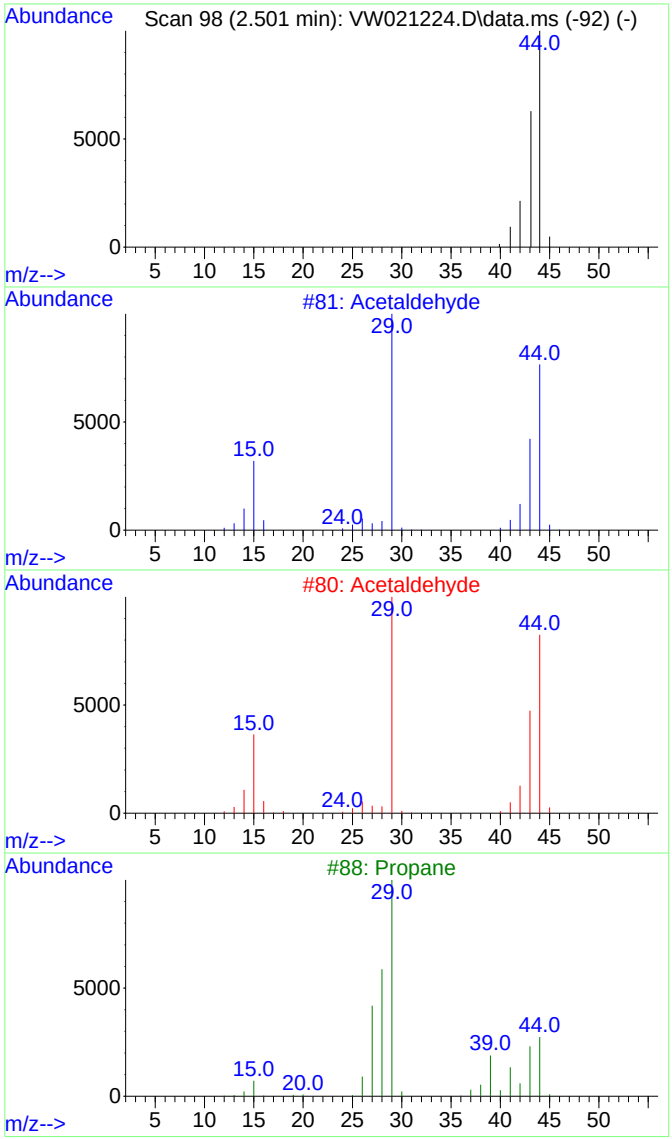
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

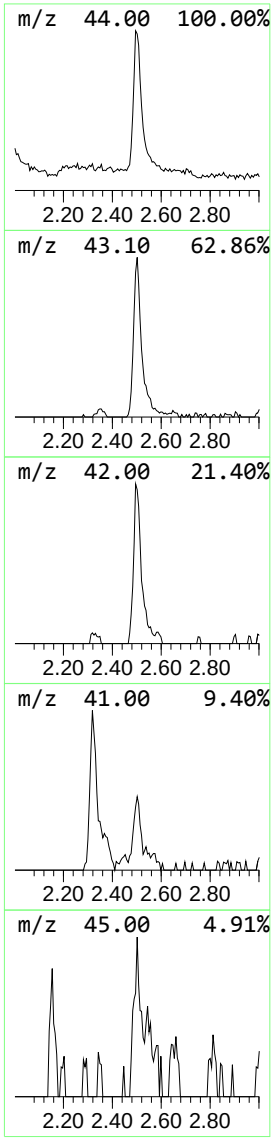
****

Peak Number 1 Acetaldehyde Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.501	2.76 ug/L	28646	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	64
3	Propane	44	C3H8	000074-98-6	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\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

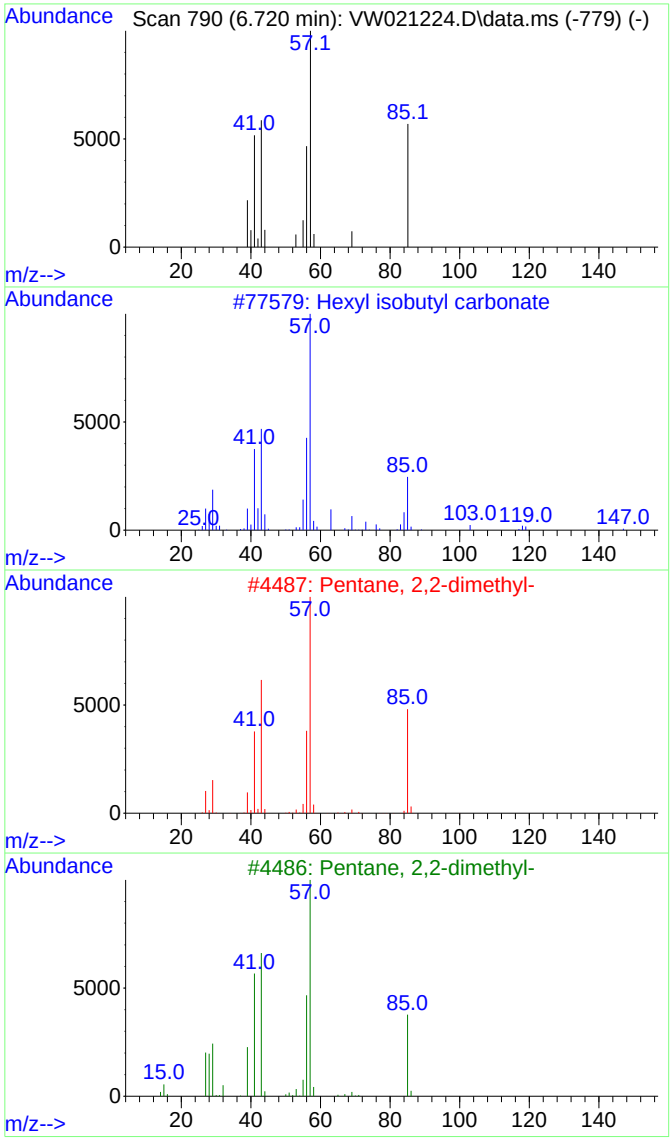
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

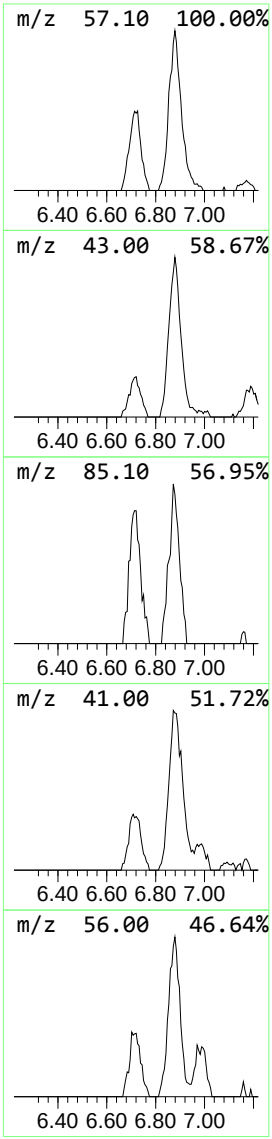
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Hexyl isobutyl carbonate Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.720	1.59 ug/L	16525	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexyl isobutyl carbonate	202	C11H22O3	959067-98-2	83
2	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
3	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	74
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

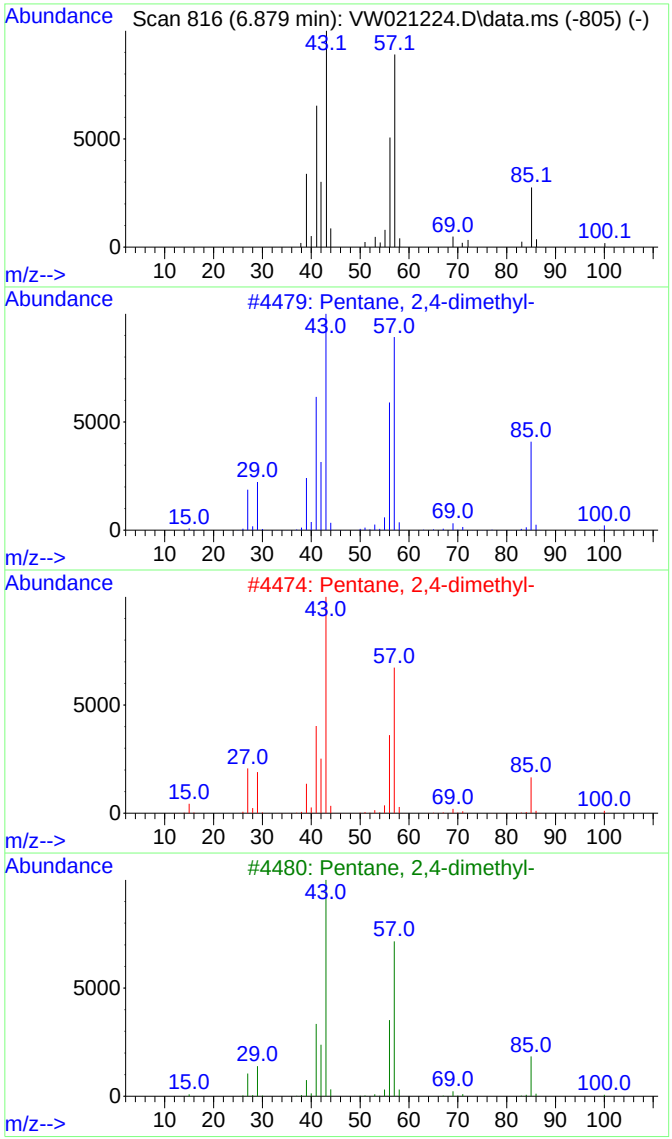
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

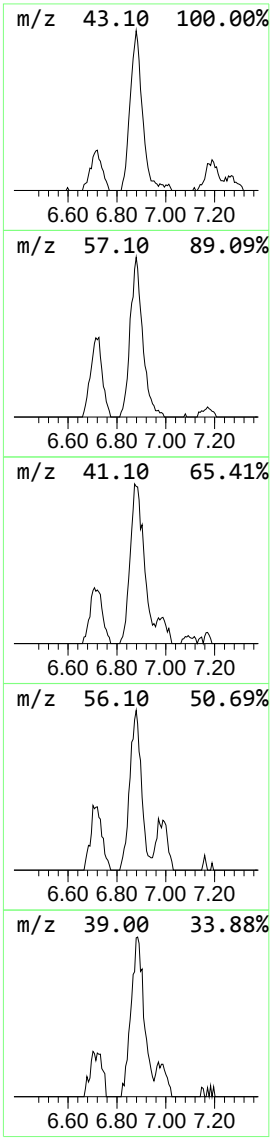
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.879	4.68 ug/L	48561	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	72
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	72
4	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	59
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

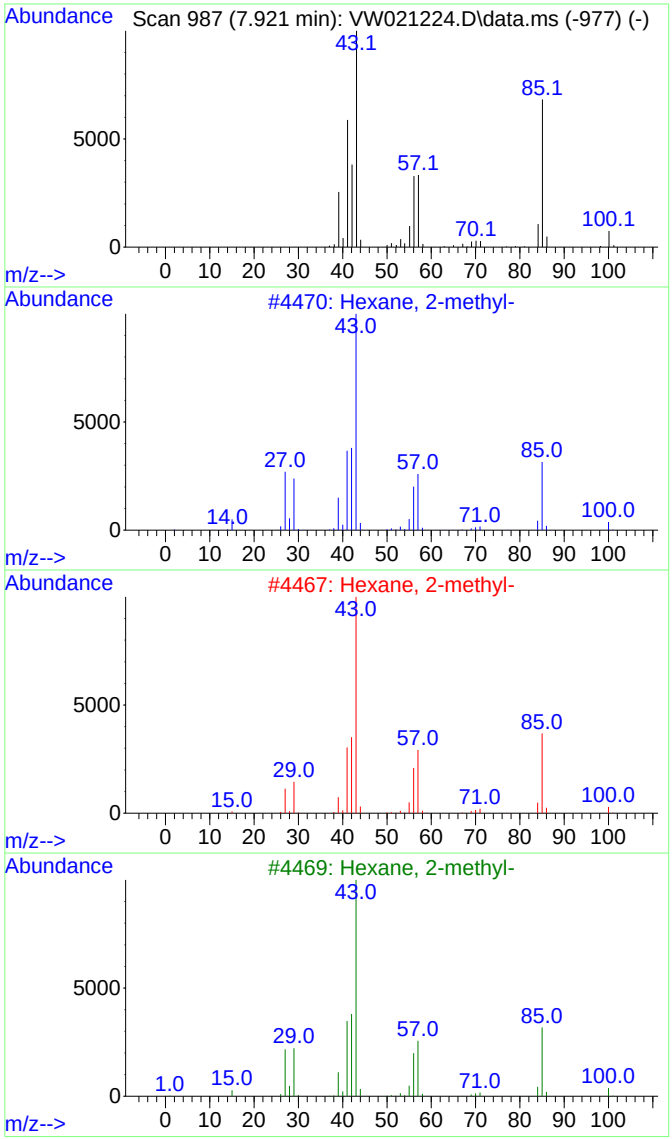
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

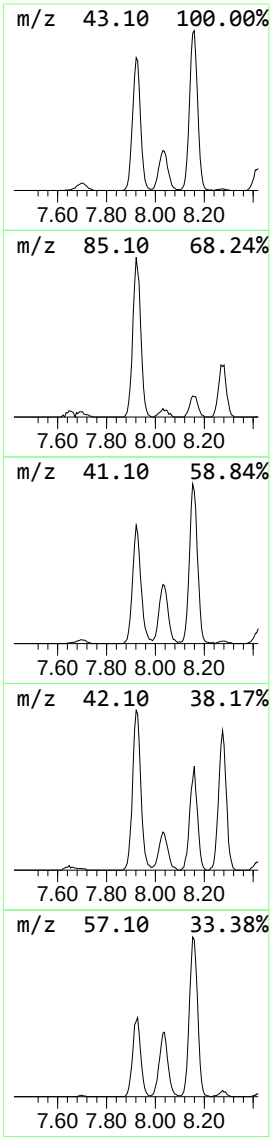
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.921	17.95 ug/L	186193	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2-methyl-	100	C7H16	000591-76-4	90
2	Hexane, 2-methyl-	100	C7H16	000591-76-4	90
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	90
4	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	52
5	2-Pyrrolidinone	85	C4H7NO	000616-45-5	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

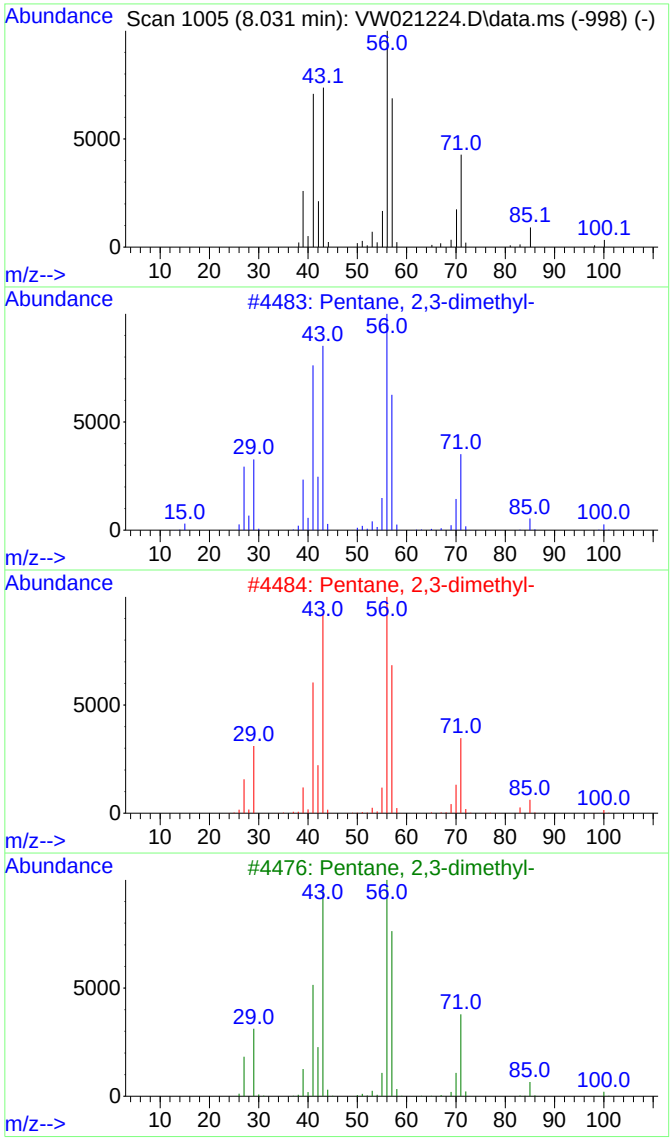
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

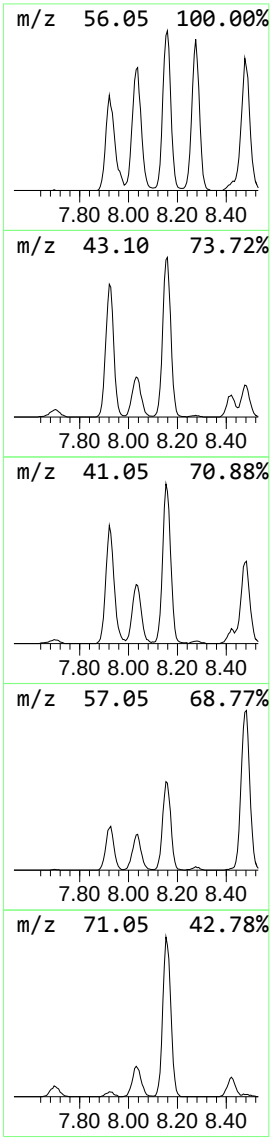
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.031	8.99 ug/L	93234	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	95
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	86
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
5	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

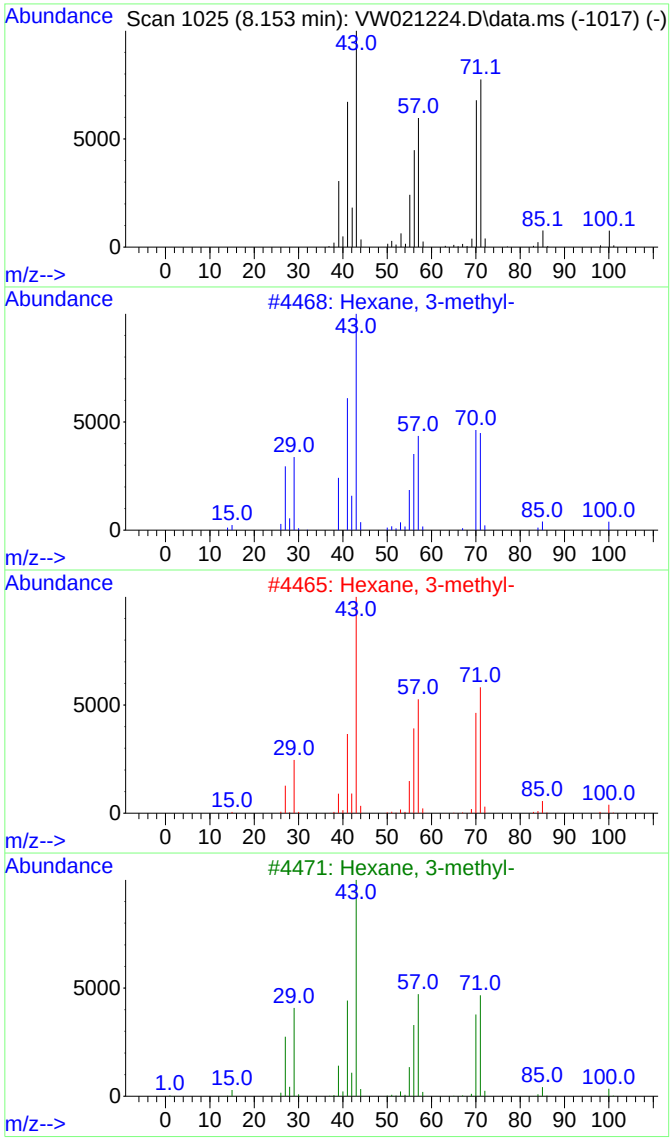
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

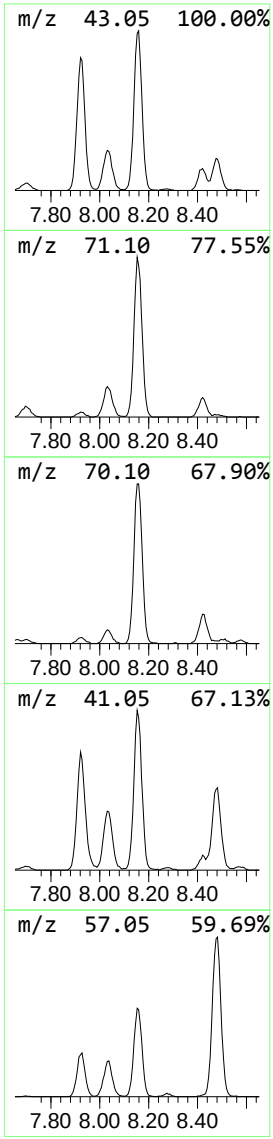
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.153	26.17 ug/L	271458	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	95
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	90
4	Heptane	100	C7H16	000142-82-5	80
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

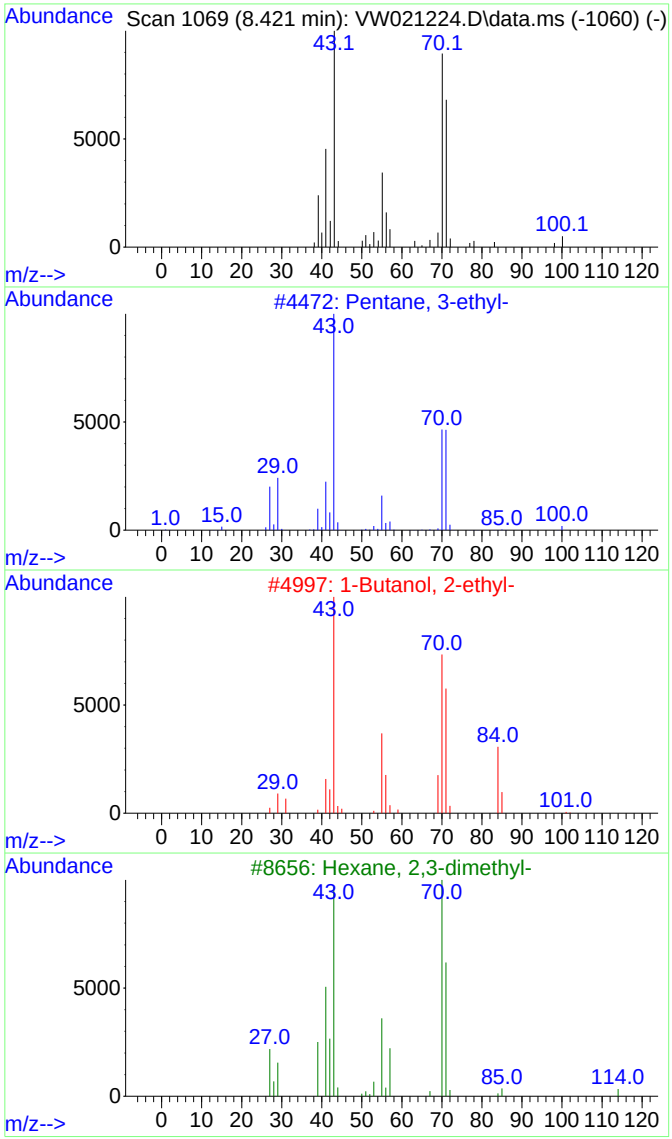
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

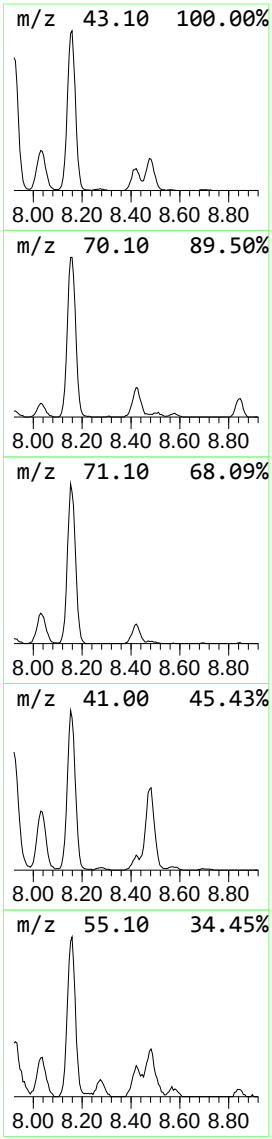
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.421	3.15 ug/L	32699	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
2	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	64
3	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	64
4	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	56
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

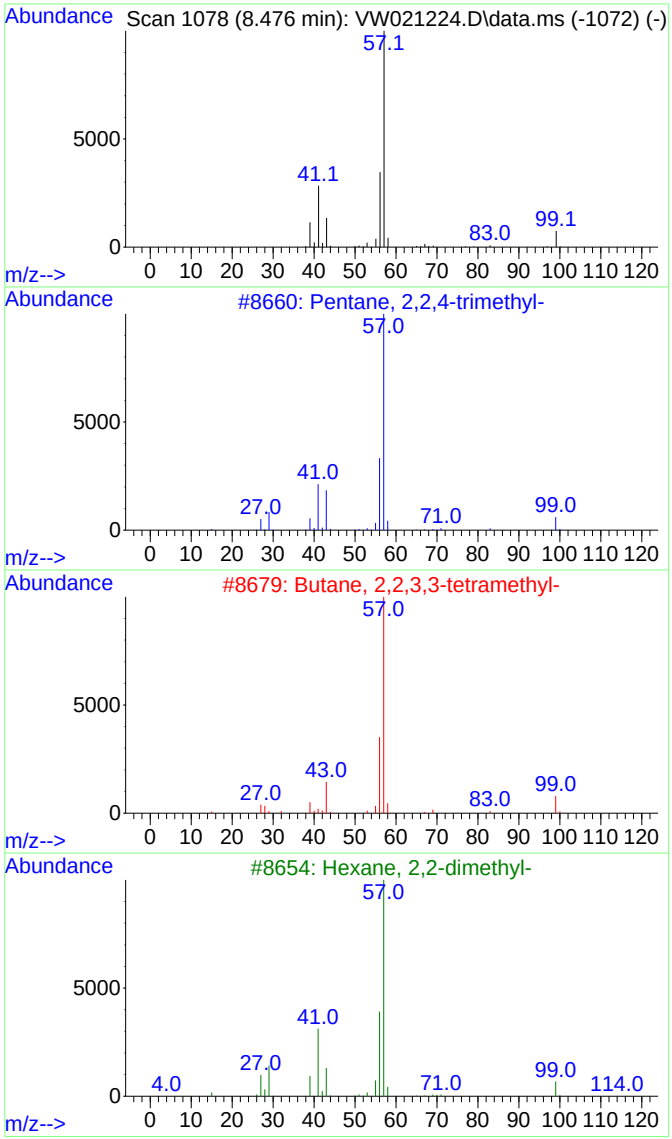
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

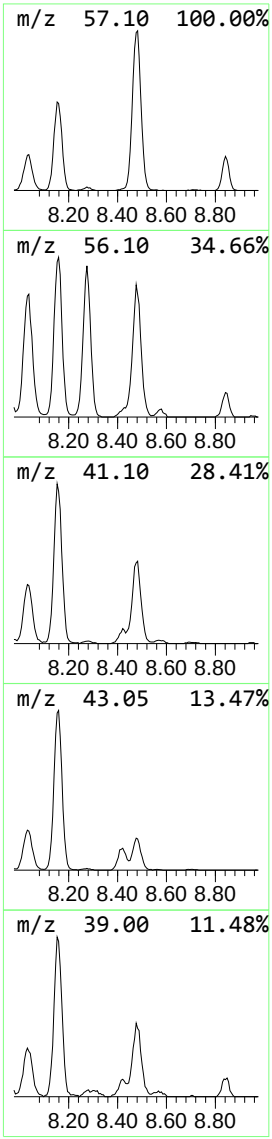
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.476	13.74 ug/L	142523	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64
4	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59
5	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

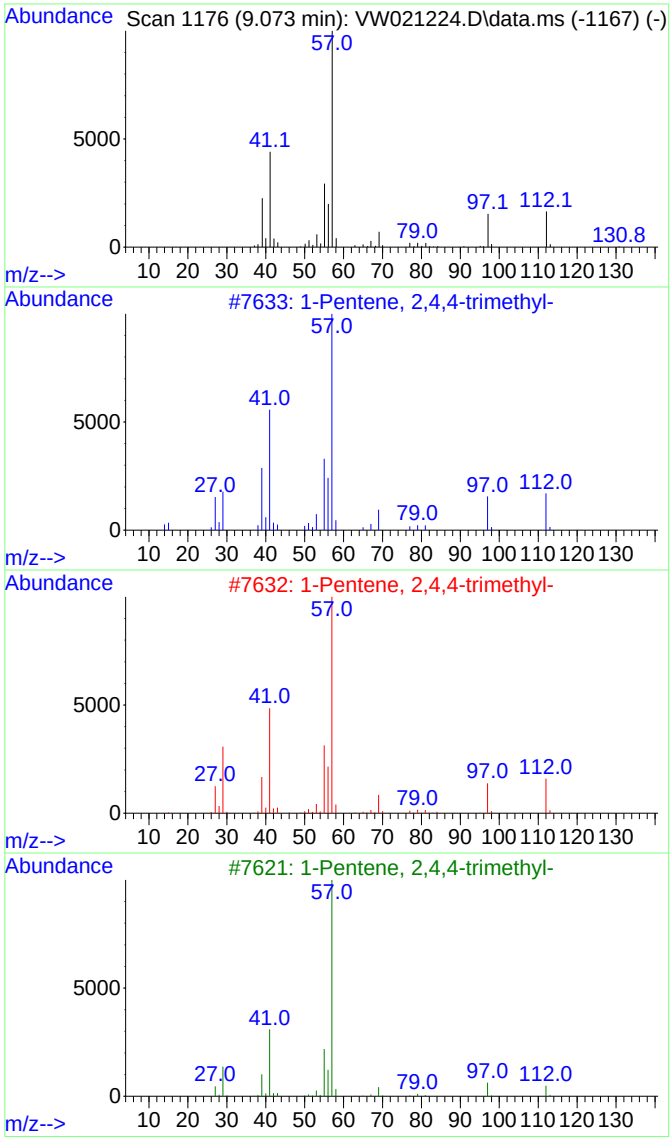
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

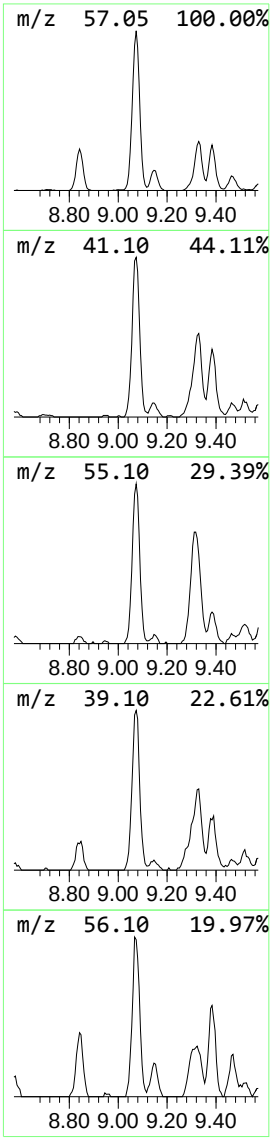
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.073	11.71 ug/L	121480	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	94
2	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	91
3	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	80
4	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	64
5	2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

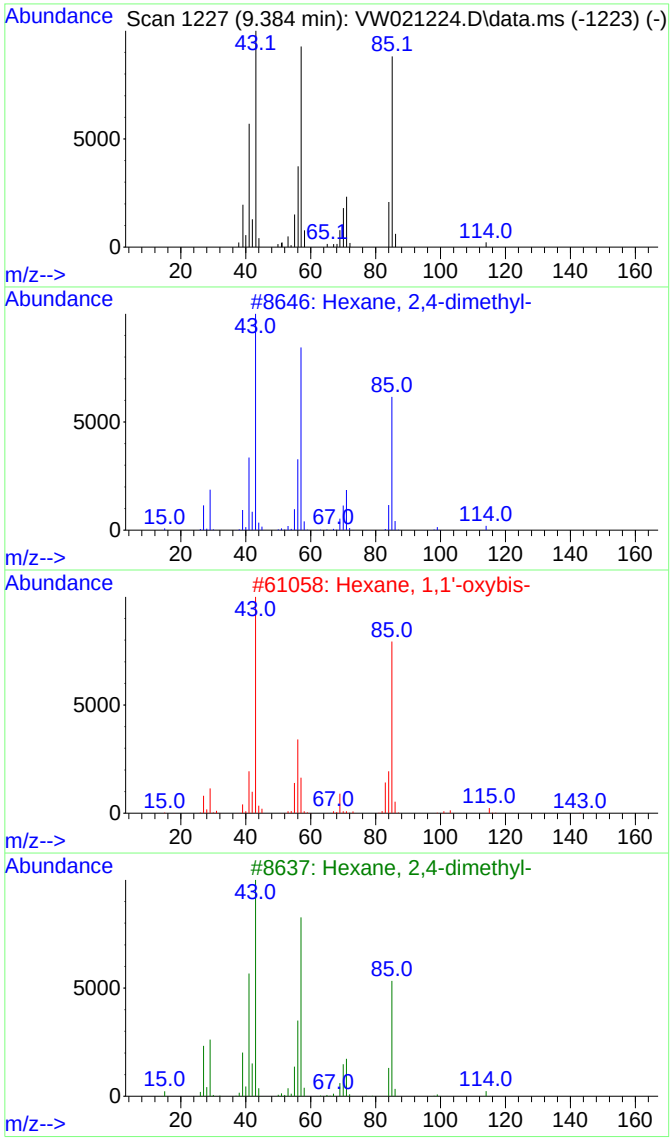
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

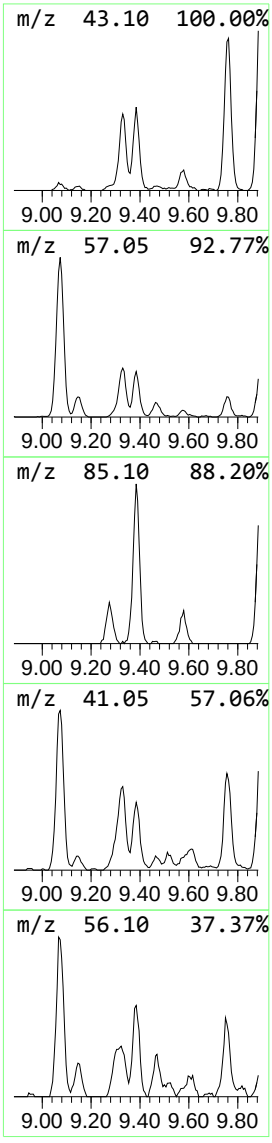
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.384	5.48 ug/L	56808	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
2	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	64
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	62
4	Sulfurous acid, butyl hexyl ester	222	C10H22O3S	1000309-17-3	59
5	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

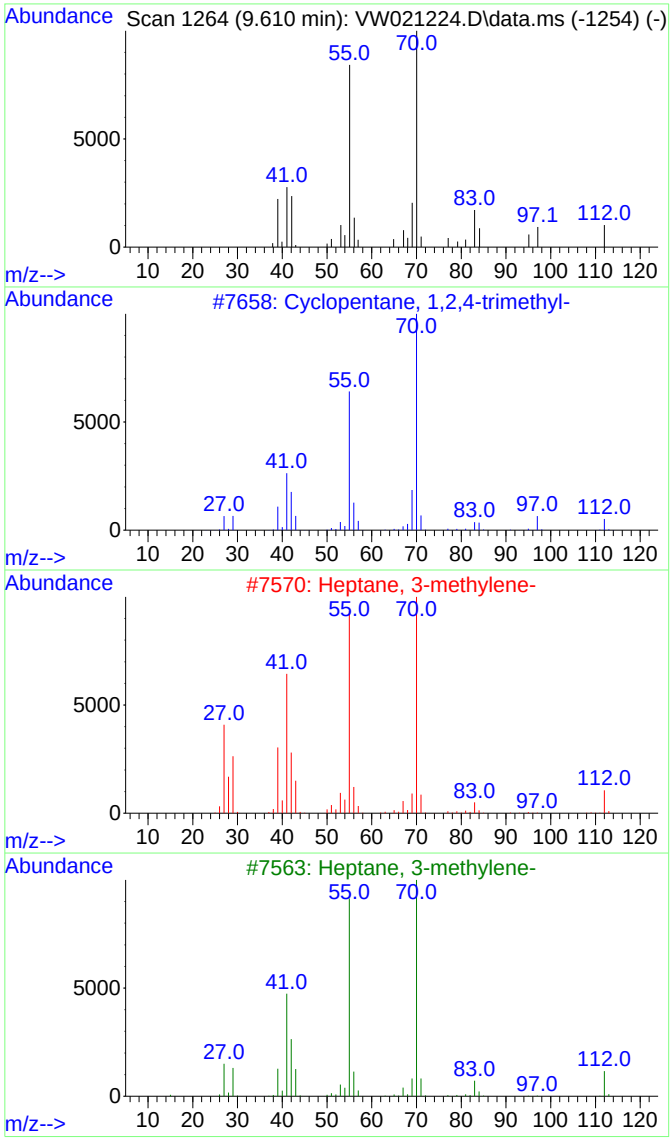
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

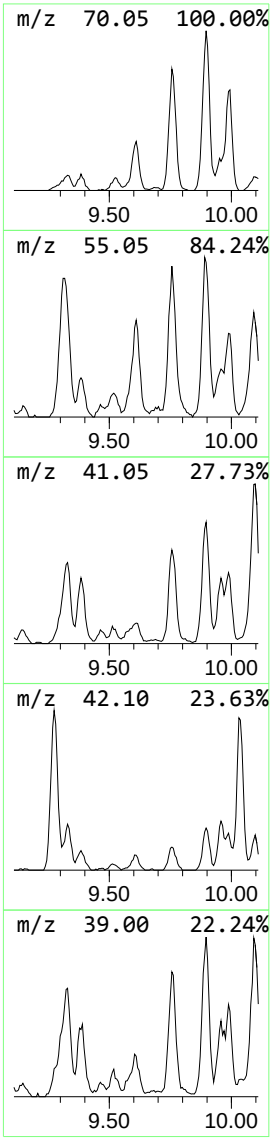
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Cyclic9.610 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.610	3.60 ug/L	37350	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	86
2	Heptane, 3-methylene-	112	C8H16	001632-16-2	83
3	Heptane, 3-methylene-	112	C8H16	001632-16-2	80
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	80
5	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

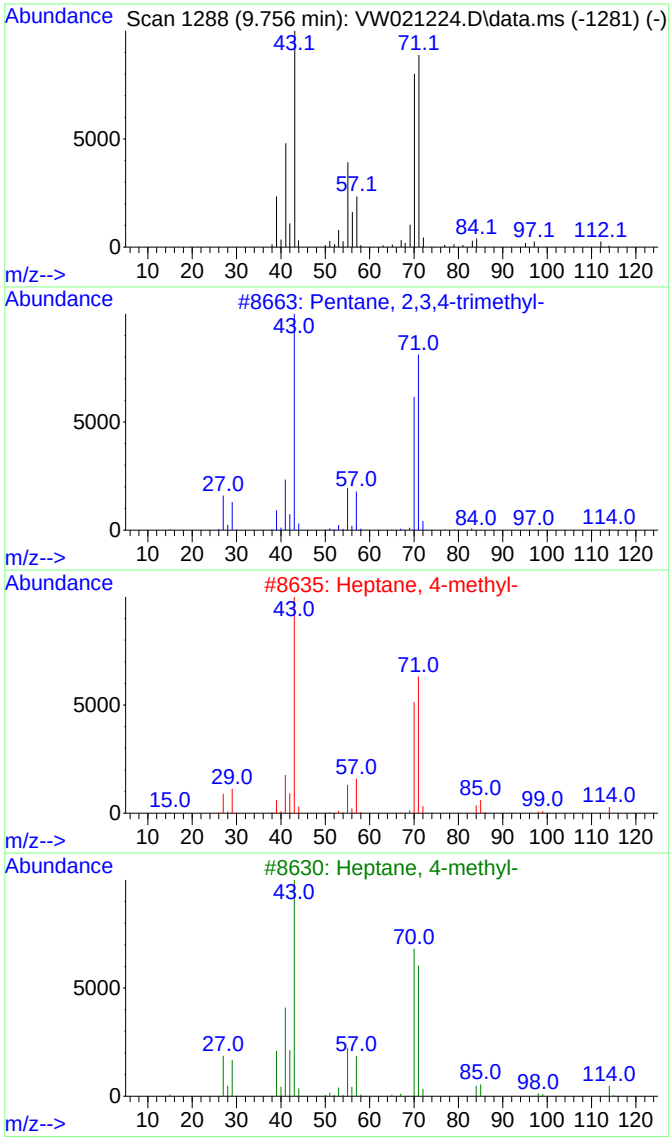
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

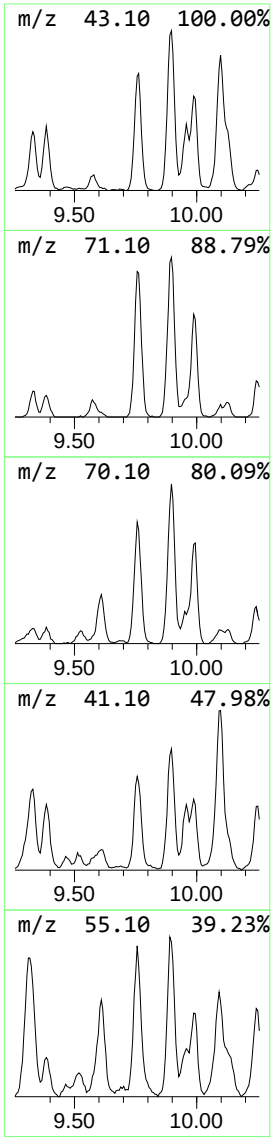
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.756	10.14 ug/L	105227	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	78
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

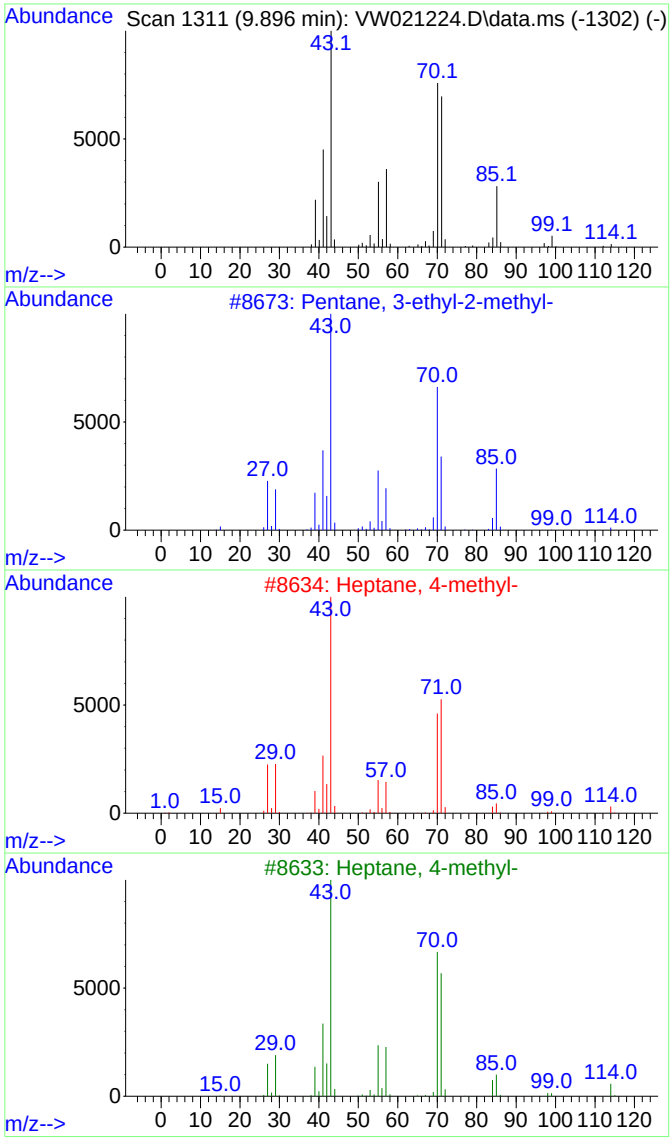
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

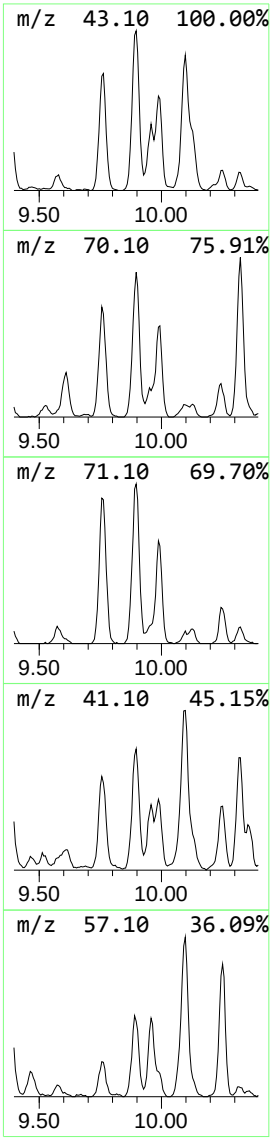
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.896	13.57 ug/L	140814	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	87
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
5	Diisoamyl ether	158	C10H22O	000544-01-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

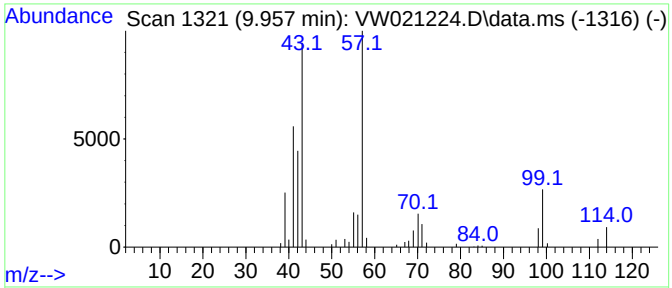
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

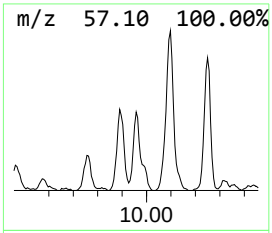
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

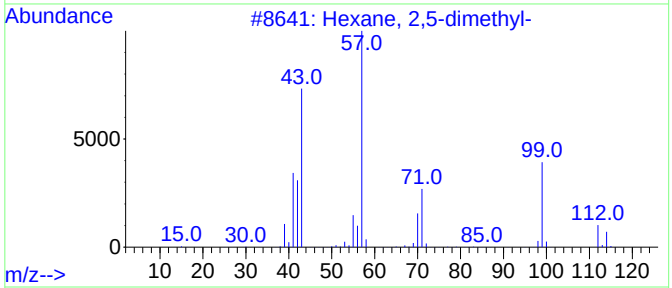
****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 60

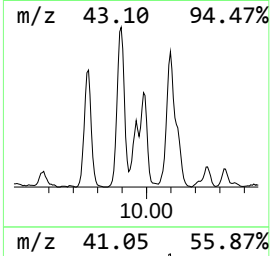
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.957	3.48 ug/L	36056	1,4-Difluorobenzene	8.842

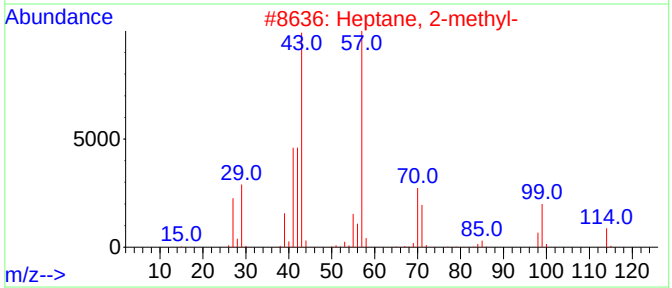
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	83
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	72
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	72
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	68
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	52

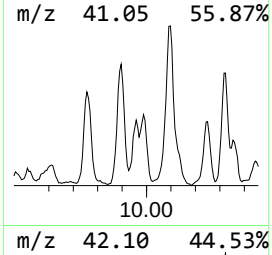


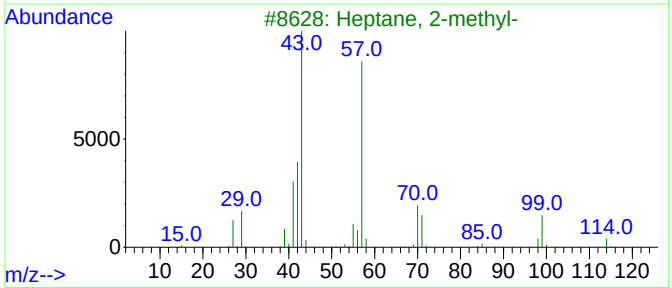


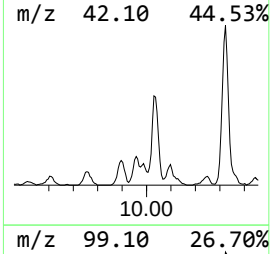


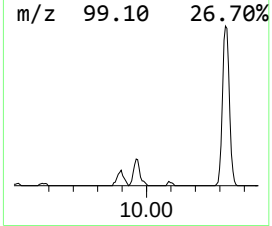












Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

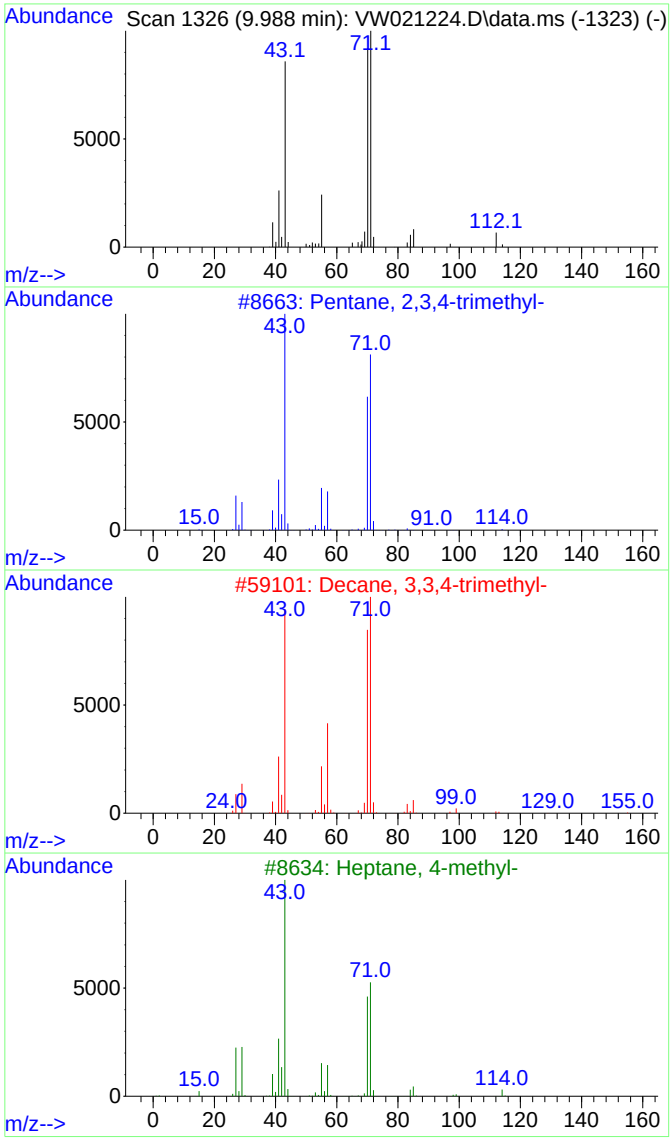
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

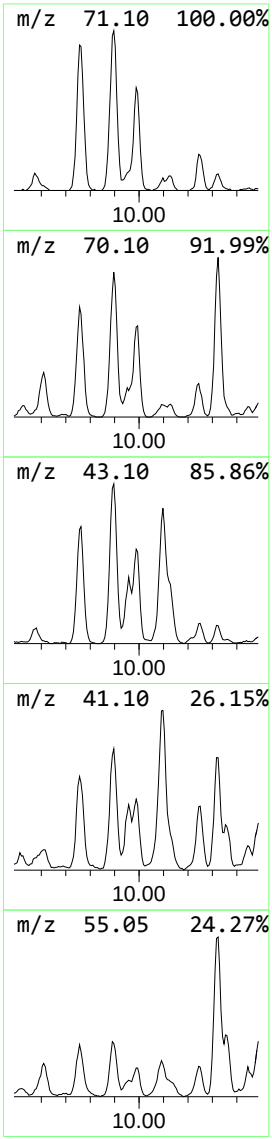
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.988	5.03 ug/L	52187	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	78
2	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	78
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	74
4	Heptane, 3-ethyl-4-methyl-	142	C10H22	052896-91-0	74
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

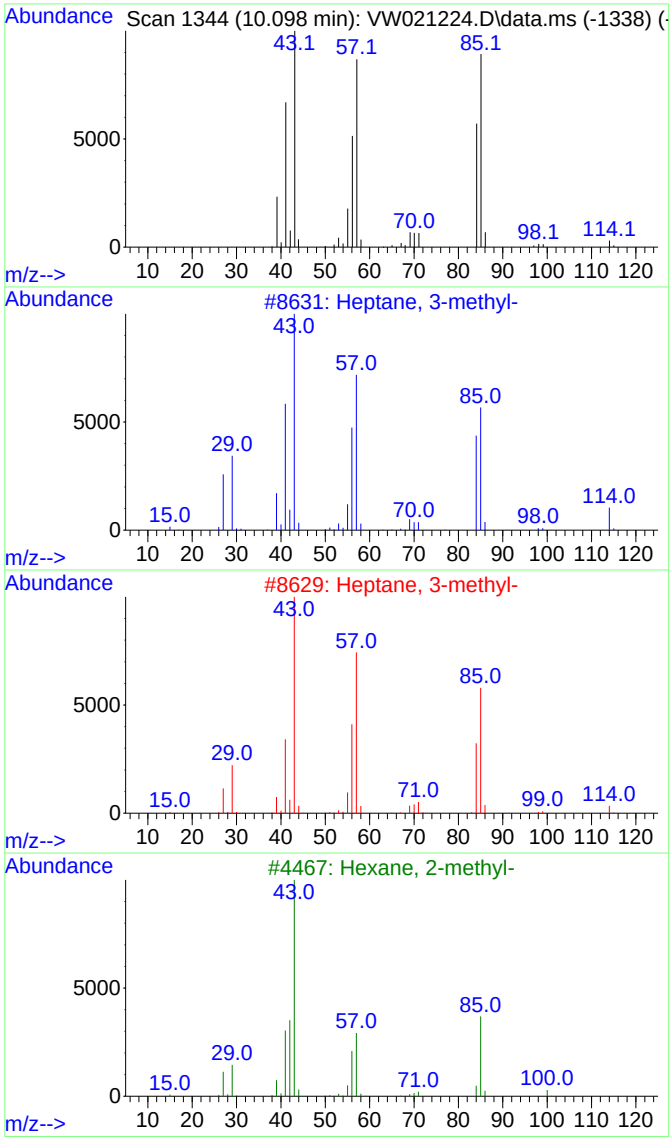
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

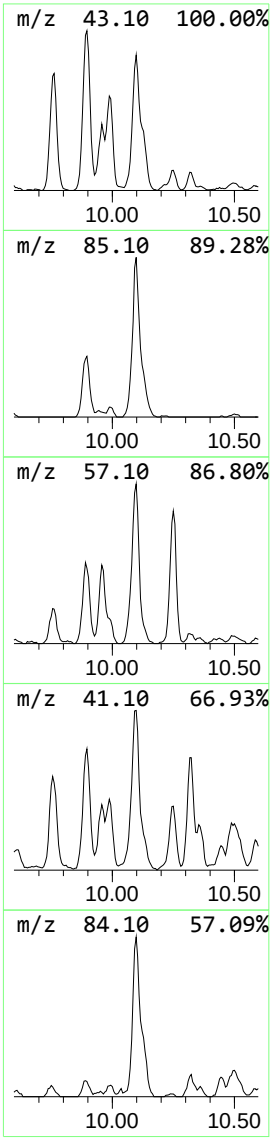
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.098	17.65 ug/L	183099	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	83
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	62
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	53
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	50
5	Sulfurous acid, butyl hexyl ester	222	C10H22O3S	1000309-17-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

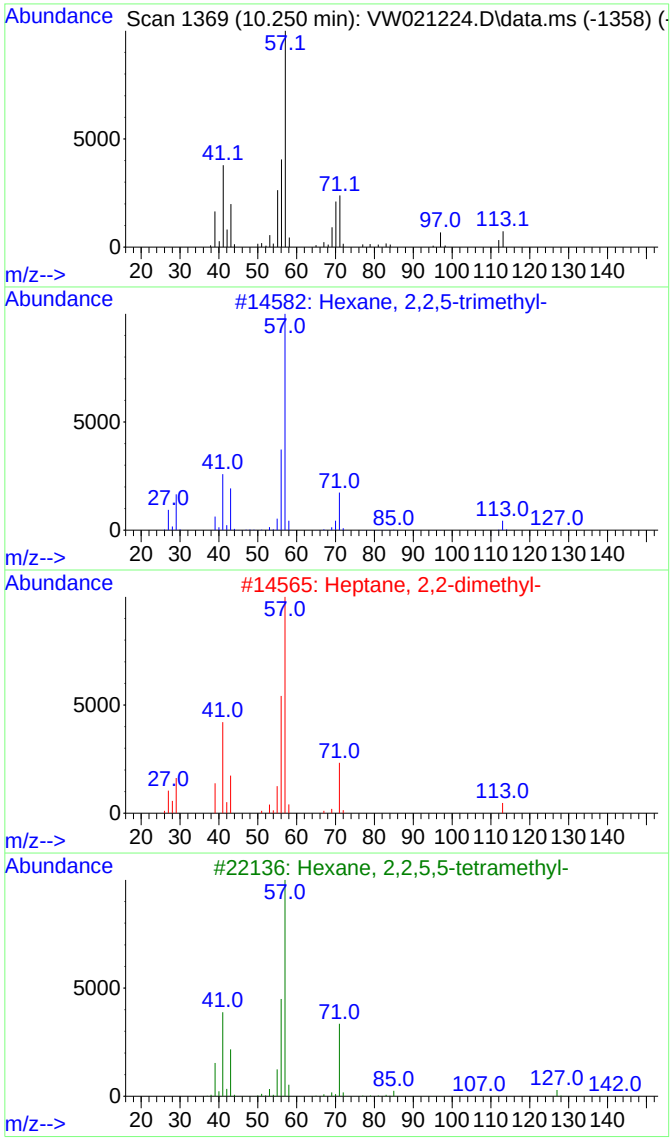
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

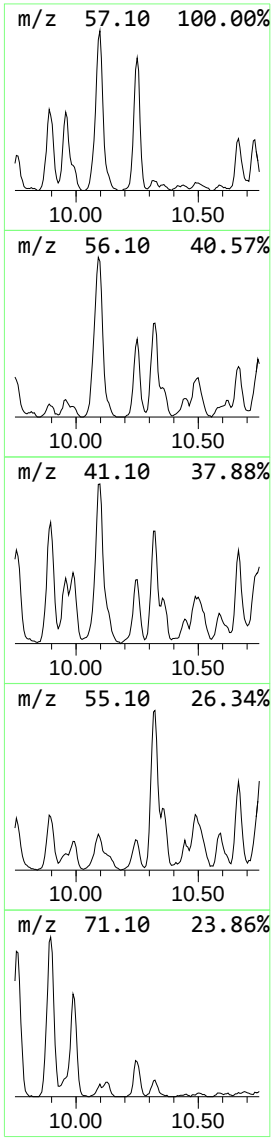
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.250	3.58 ug/L	66383	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59
2	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	53
3	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	50
4	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	42
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

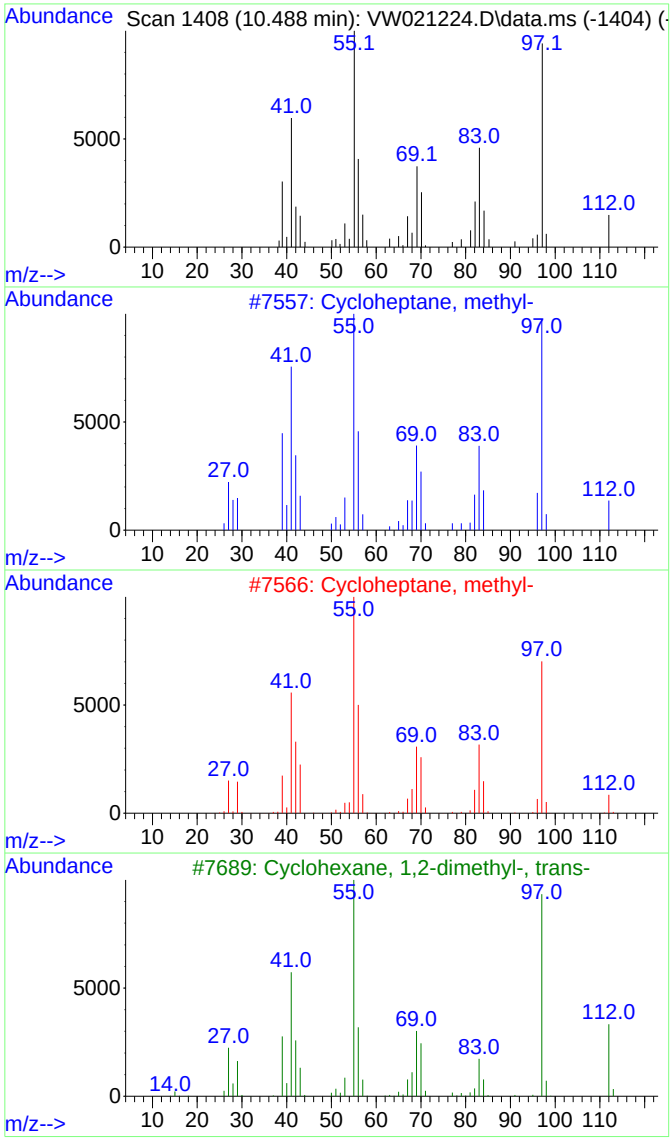
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

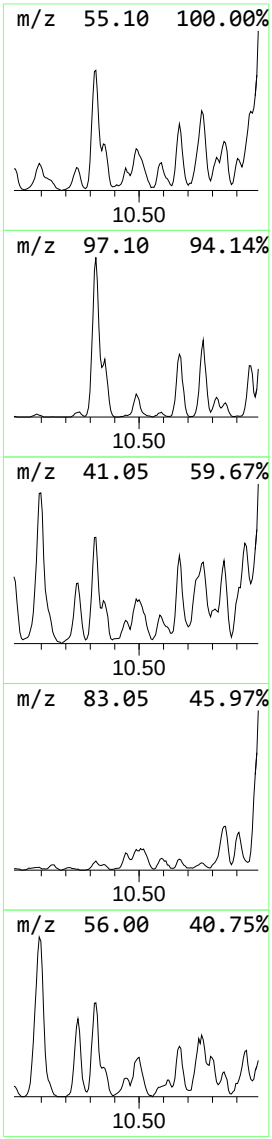
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic10.488 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.488	3.85 ug/L	71448	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptane, methyl-	112	C8H16	004126-78-7	91
2	Cycloheptane, methyl-	112	C8H16	004126-78-7	90
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	74
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	62
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

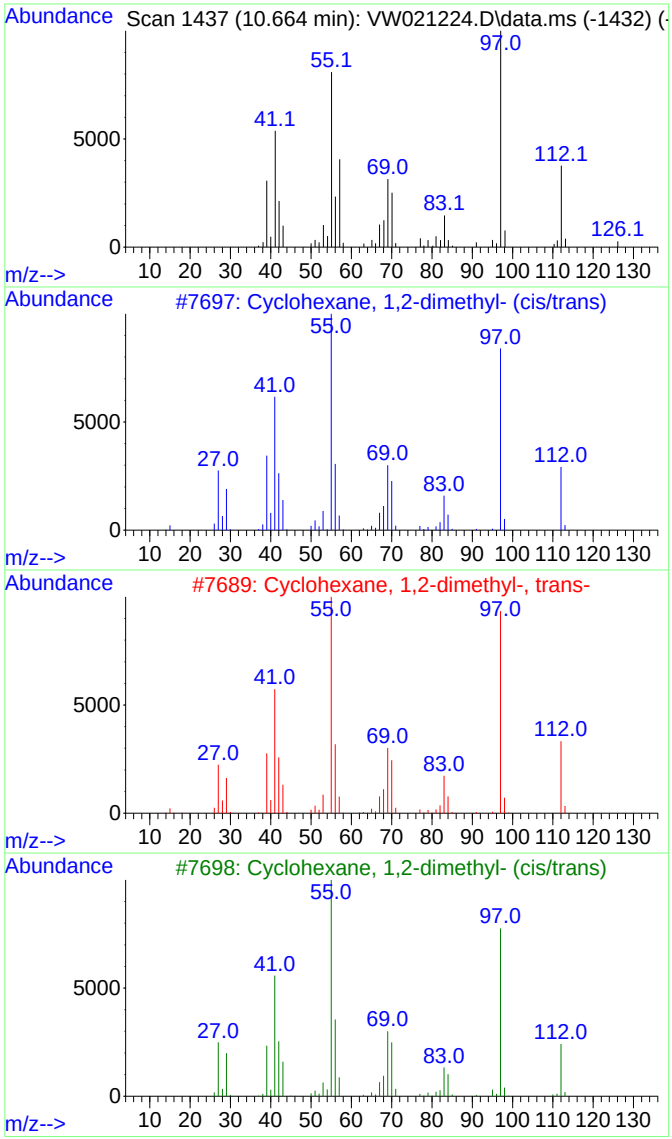
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

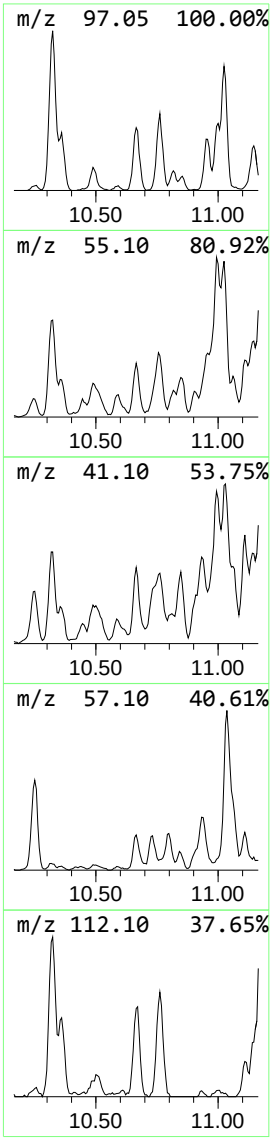
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Cyclic10.665 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.665	4.40 ug/L	81573	Chlorobenzene-d5	11.634

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

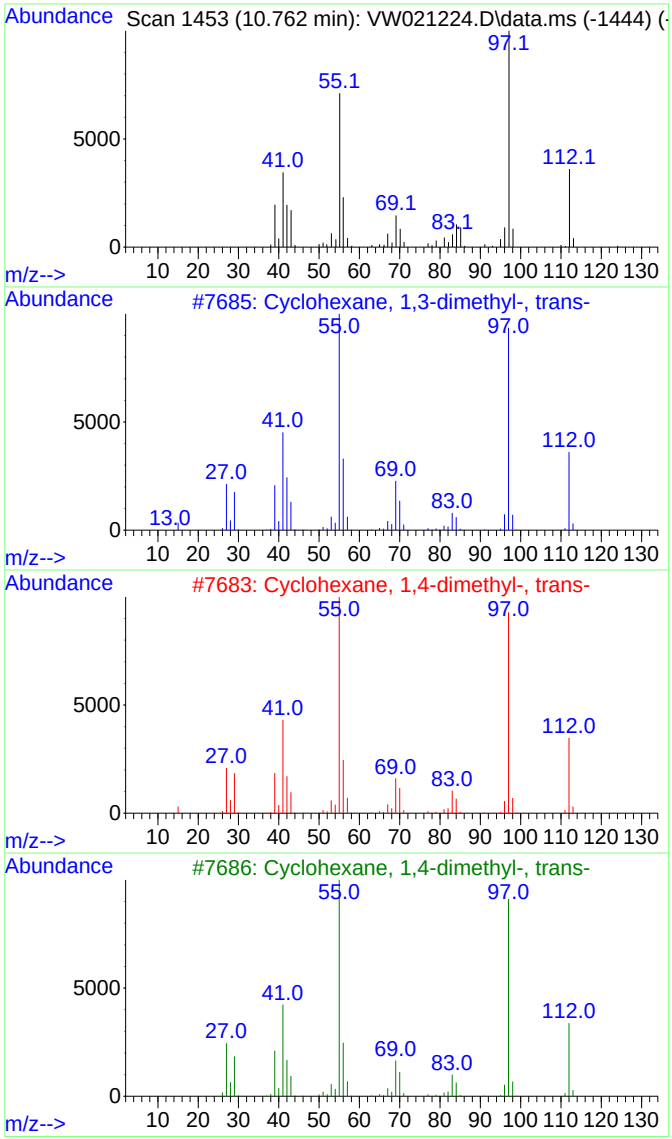
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

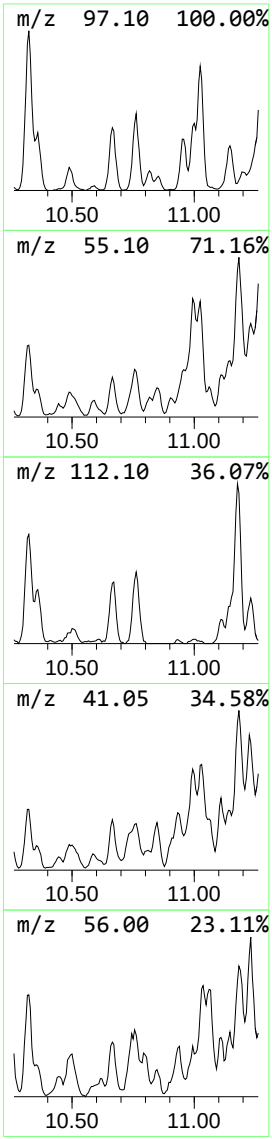
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Cyclic10.762 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.762	6.20 ug/L	115036	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
2	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	87
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	86
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	81
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

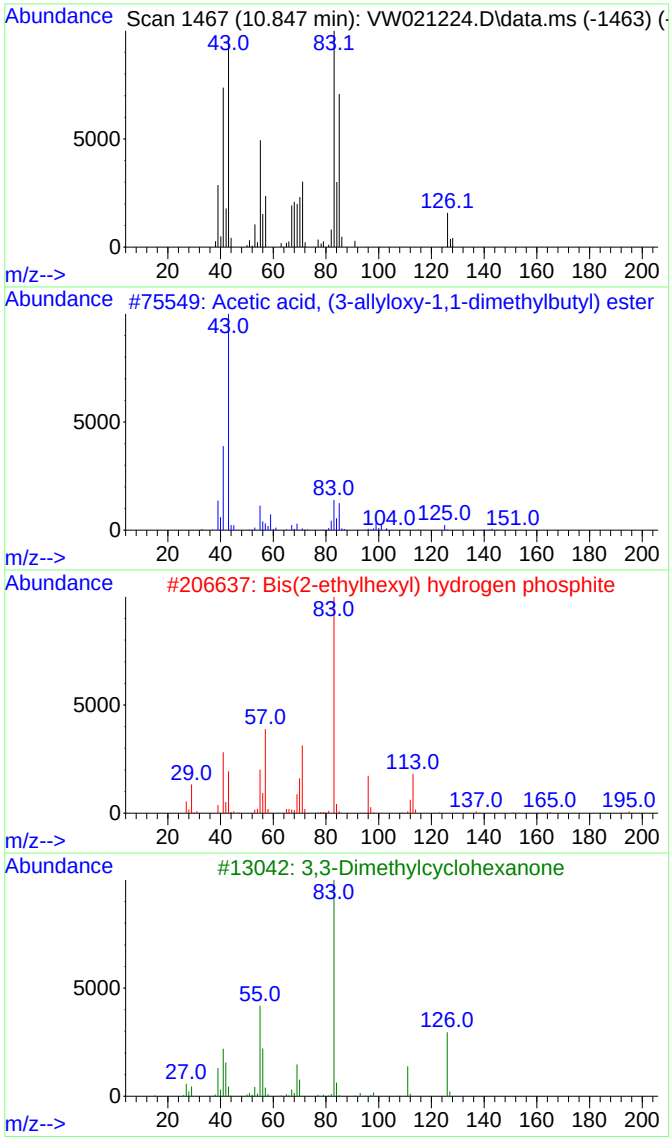
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

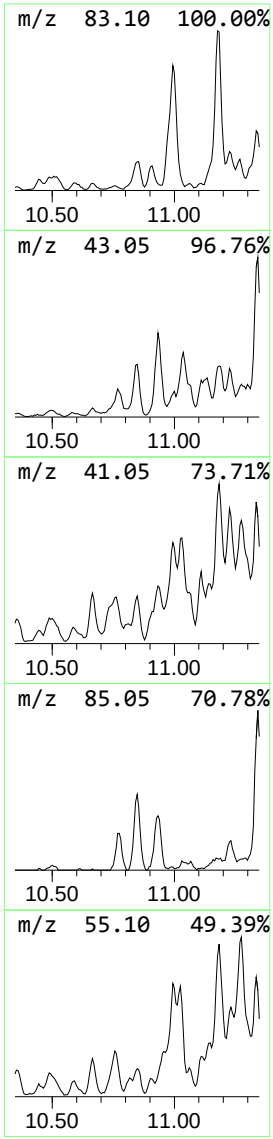
****

Peak Number 23 unknown-01 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.847	4.15 ug/L	76998	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, (3-allyloxy-1,1-dim...	200	C11H20O3	1010265-71-3	47
2	Bis(2-ethylhexyl) hydrogen phosp...	306	C16H35O3P	003658-48-8	43
3	3,3-Dimethylcyclohexanone	126	C8H14O	002979-19-3	27
4	2H-Pyran, tetrahydro-2-[(tetrahy...	186	C10H18O3	000710-14-5	27
5	Octane, 4-methyl-	128	C9H20	002216-34-4	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

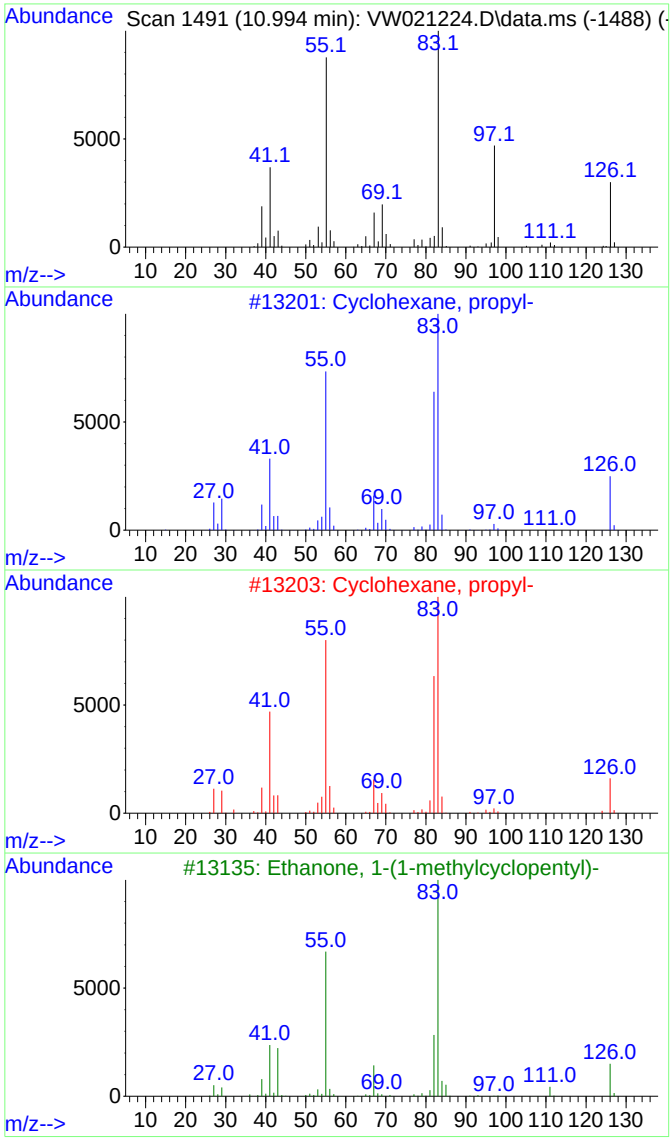
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

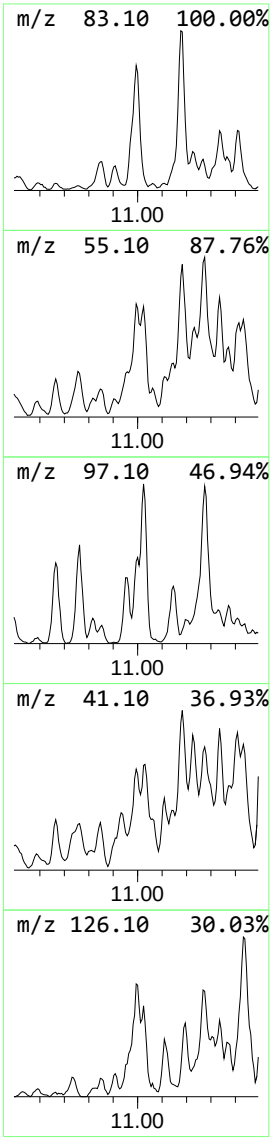
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Cyclic10.994 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.994	4.42 ug/L	81995	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	53
3	Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	53
4	2-Pentene, 4,4-dimethyl-	98	C7H14	026232-98-4	52
5	trans-4,4-Dimethyl-2-hexene	112	C8H16	019550-83-5	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

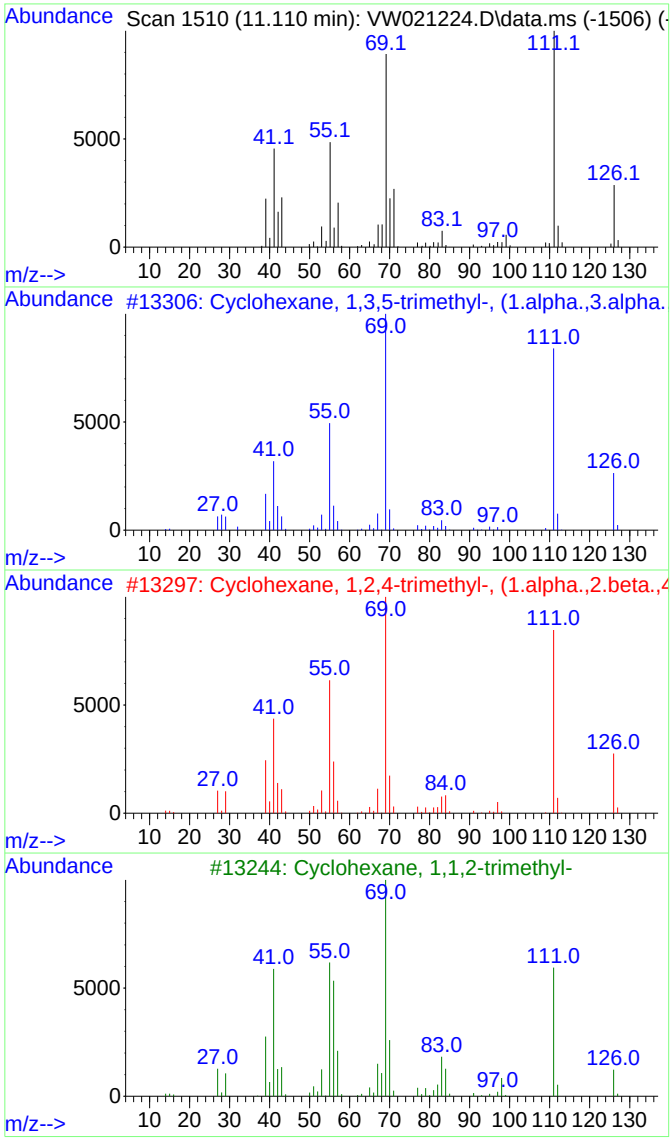
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

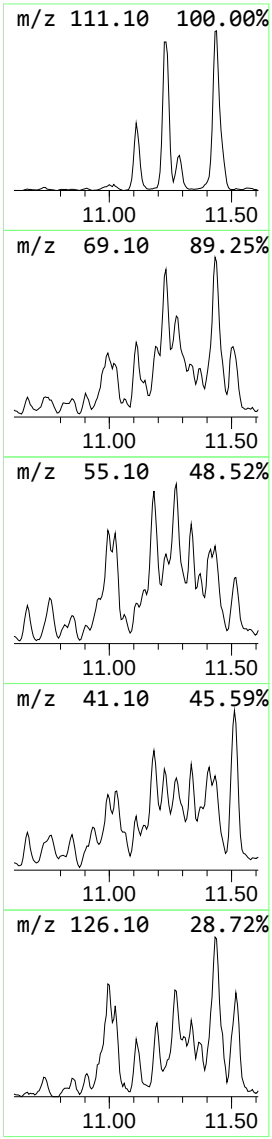
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Cyclic11.110 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.110	5.61 ug/L	104094	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	93
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	81
3	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	80
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	76
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

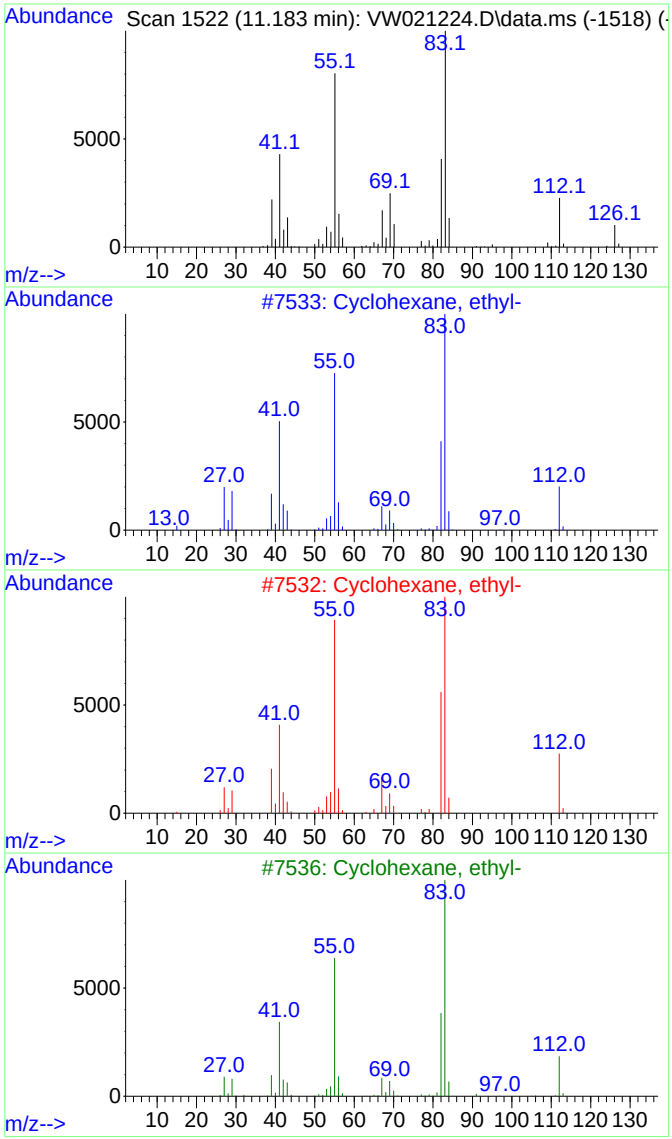
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

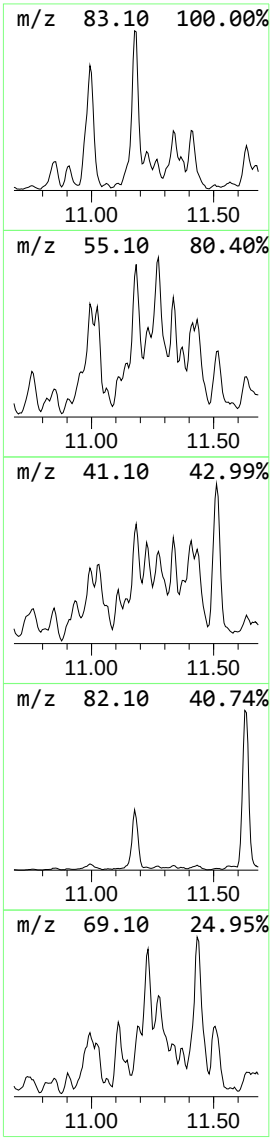
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Cyclic11.183 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.183	13.71 ug/L	254474	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	83
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	83
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	83
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

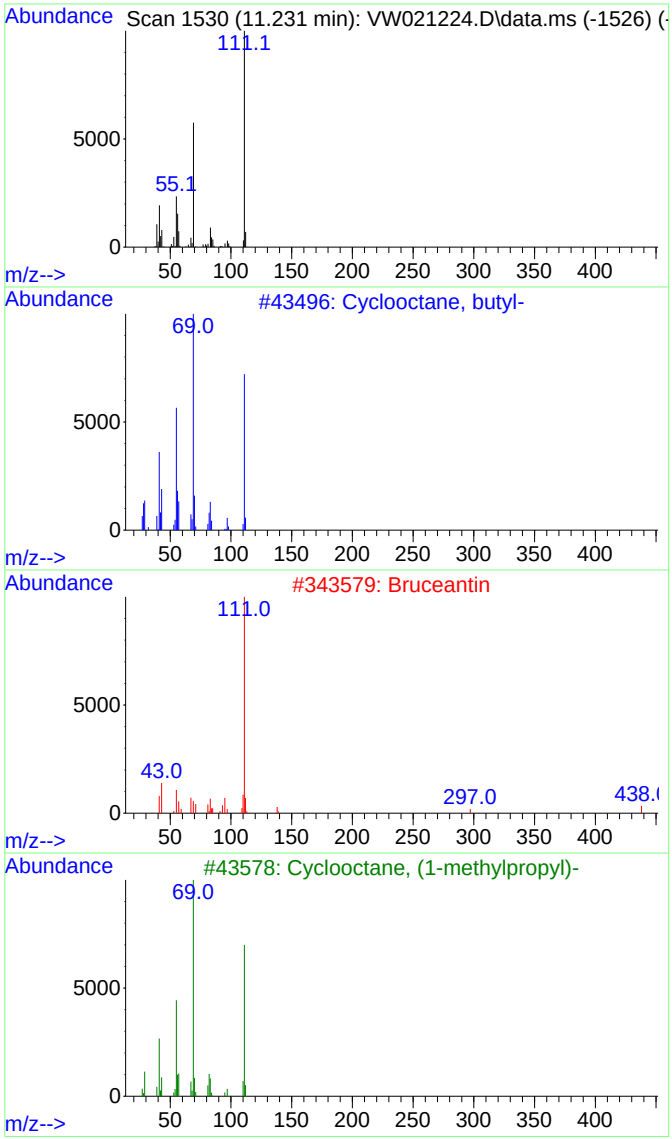
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

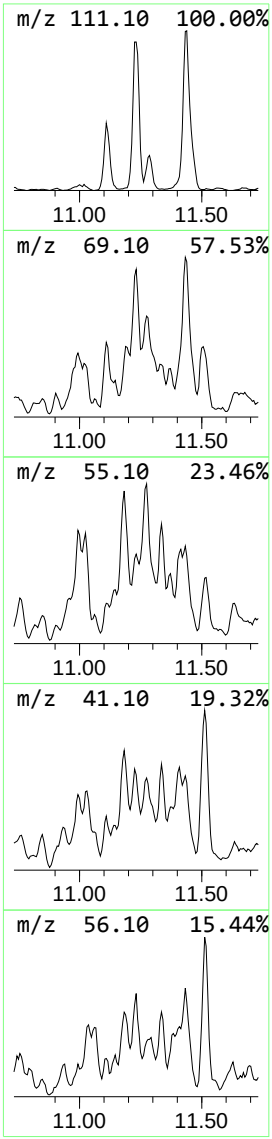
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Cyclic11.232 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.232	10.10 ug/L	187332	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, butyl-	168	C12H24	016538-93-5	64
2	Bruceantin	548	C28H36O11	041451-75-6	56
3	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	56
4	Cyclohexane, 1,4-dimethyl-2-octa...	364	C26H52	055282-02-5	56
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

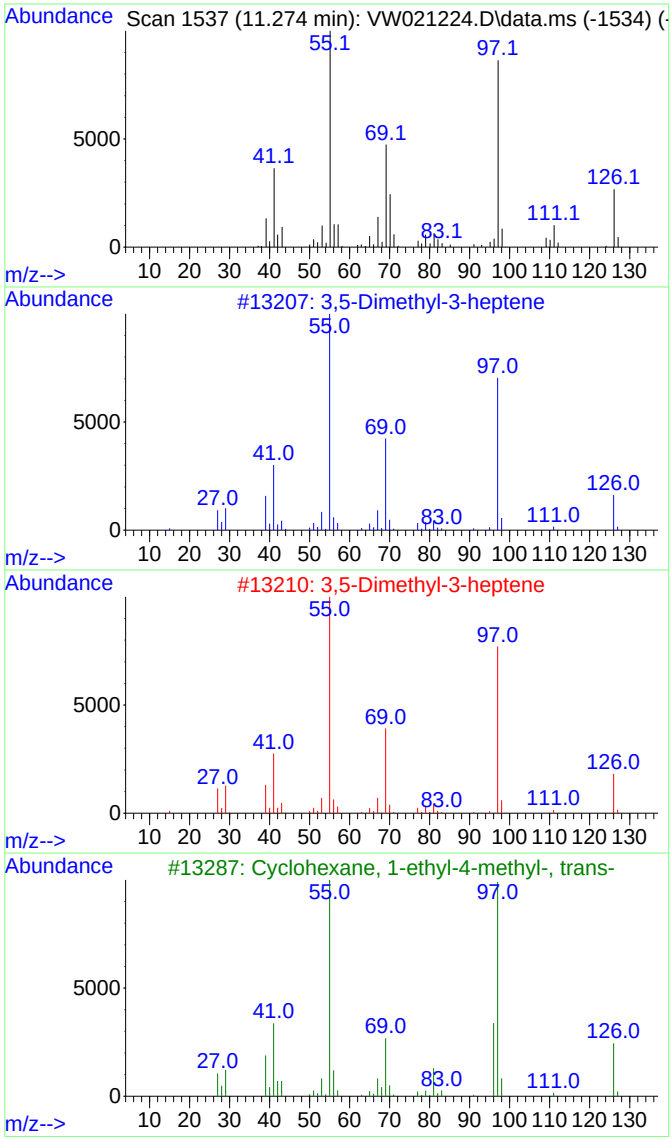
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

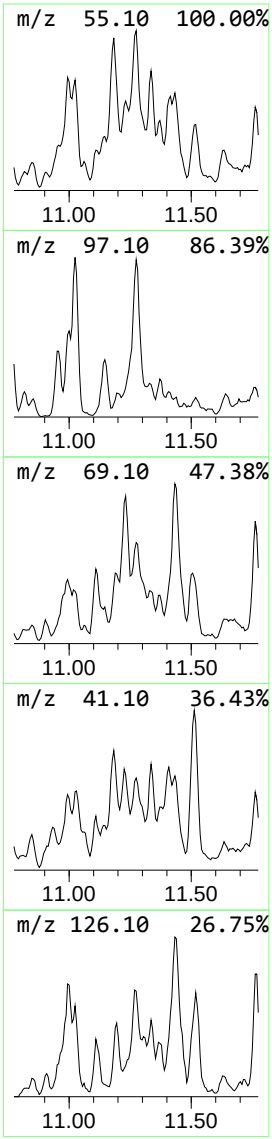
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.274	9.38 ug/L	174124	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	68
2	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	68
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64
4	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	64
5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

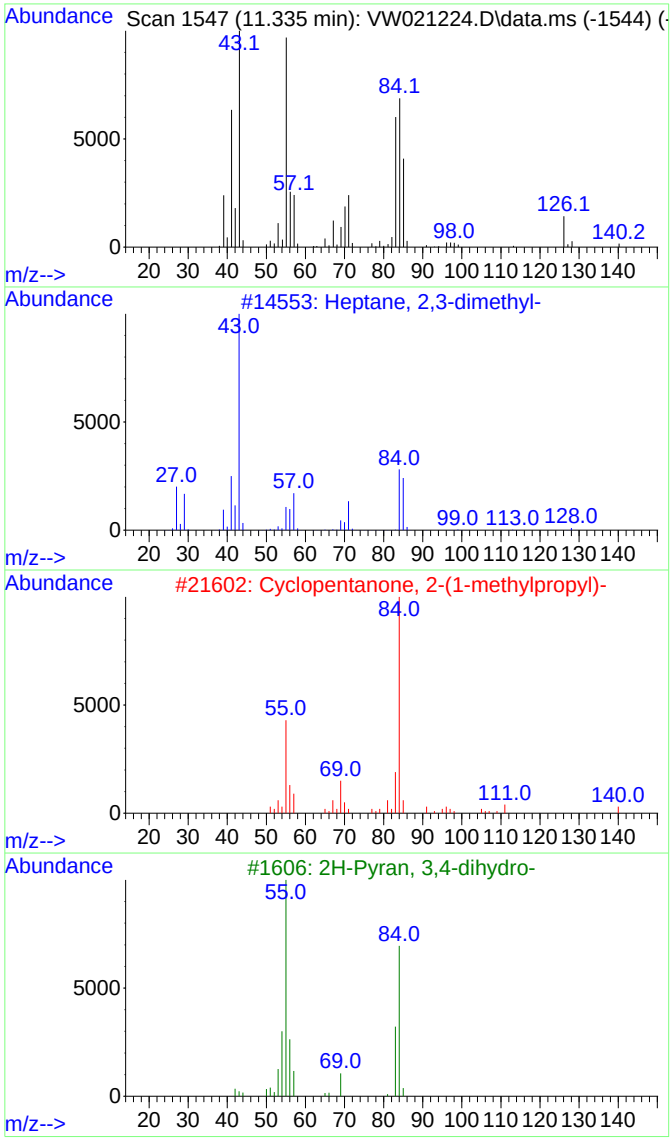
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

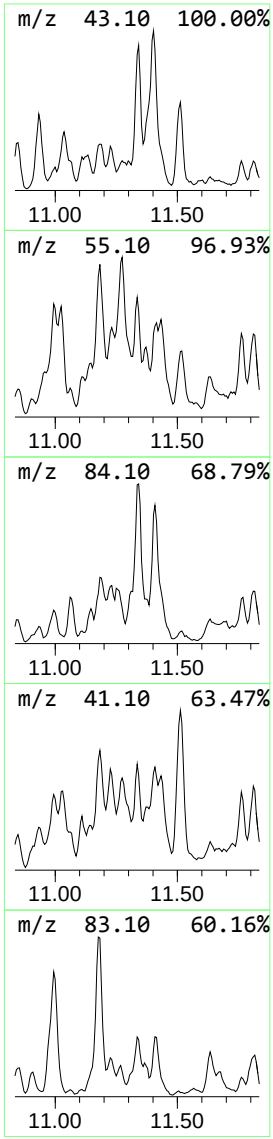
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.335	5.52 ug/L	102367	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	43
2	Cyclopentanone, 2-(1-methylpropyl)-	140	C9H16O	006376-92-7	38
3	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	38
4	Piperidine	85	C5H11N	000110-89-4	38
5	Cyclopentane, 1-acetyl-1,2-epoxy-	126	C7H10O2	015121-02-5	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

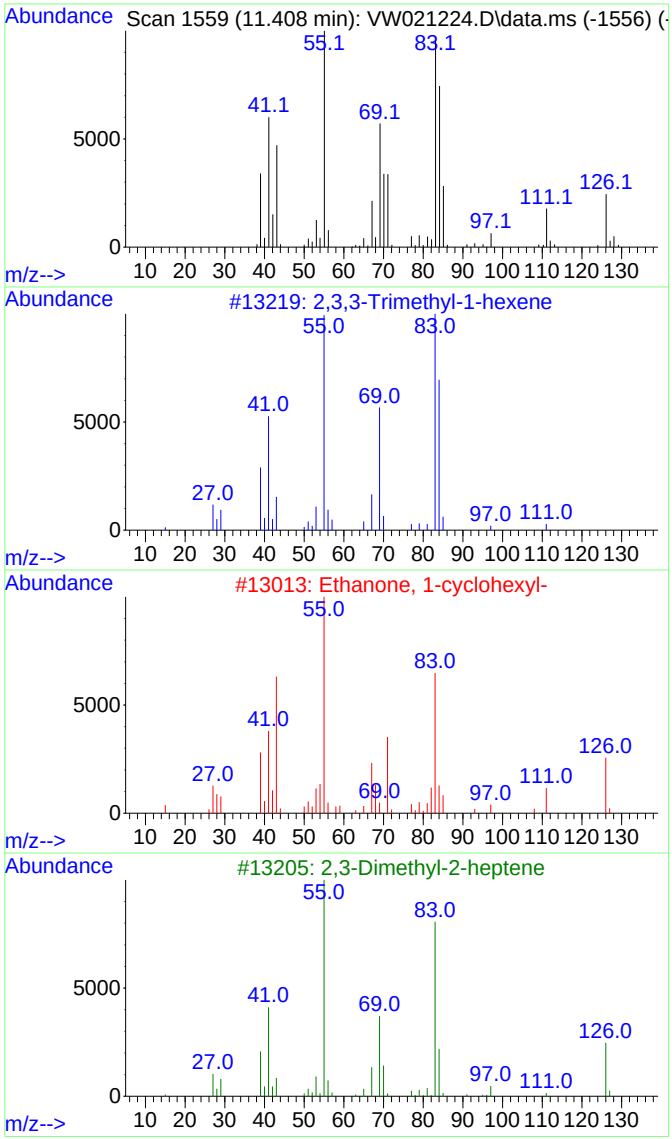
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

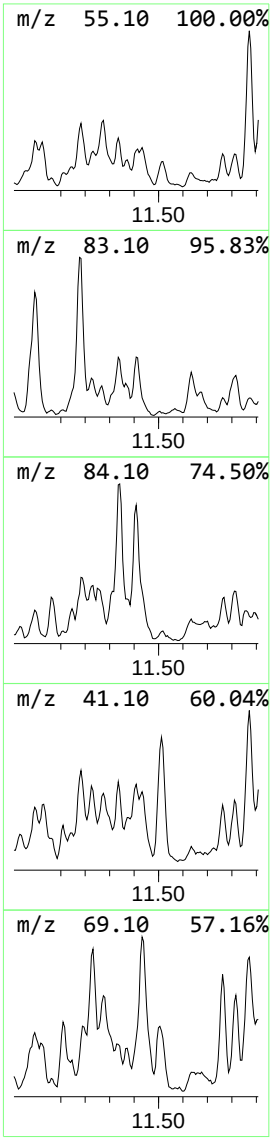
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.408	4.45 ug/L	82628	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3-Trimethyl-1-hexene	126	C9H18	1000113-52-1	50
2	Ethanone, 1-cyclohexyl-	126	C8H14O	000823-76-7	47
3	2,3-Dimethyl-2-heptene	126	C9H18	003074-64-4	46
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	38
5	Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

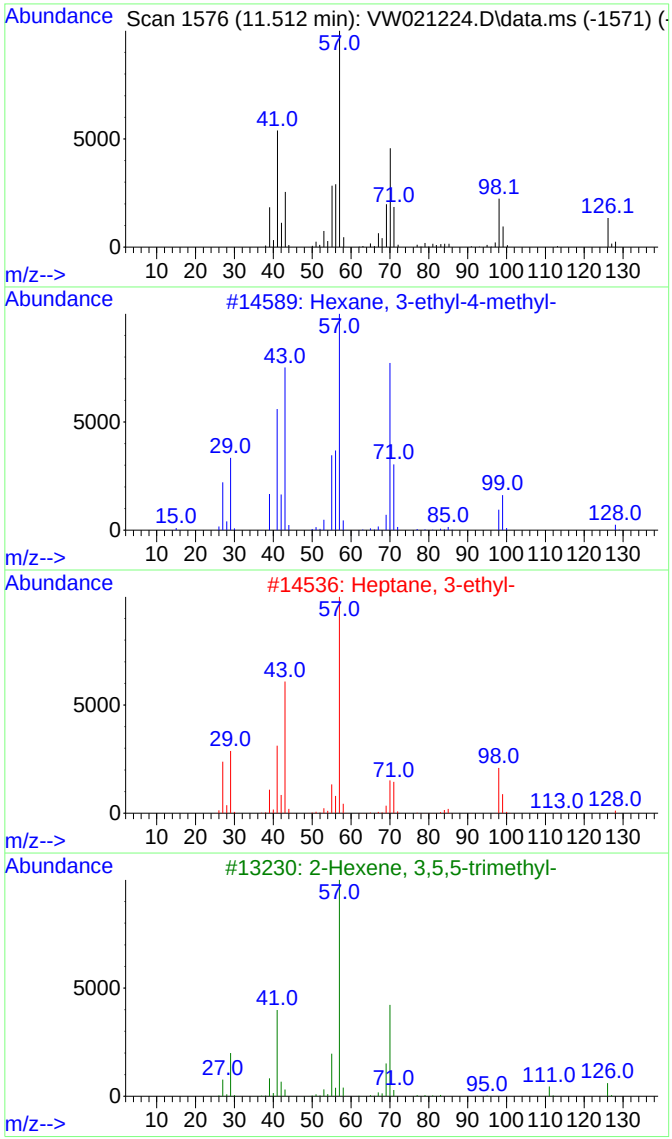
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

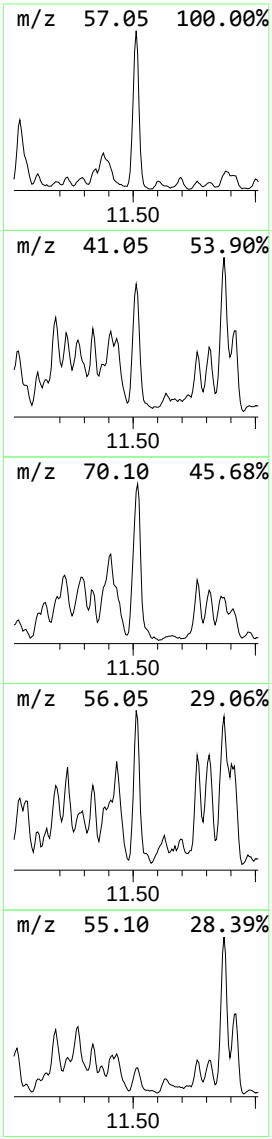
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	16.40 ug/L	304266	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	76
2	Heptane, 3-ethyl-	128	C9H20	015869-80-4	49
3	2-Hexene, 3,5,5-trimethyl-	126	C9H18	026456-76-8	47
4	2-Hexene, 2,5,5-trimethyl-	126	C9H18	040467-04-7	47
5	Pentadecafluorooctanoic acid, 2-...	526	C16H17F15O2	1000406-80-9	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

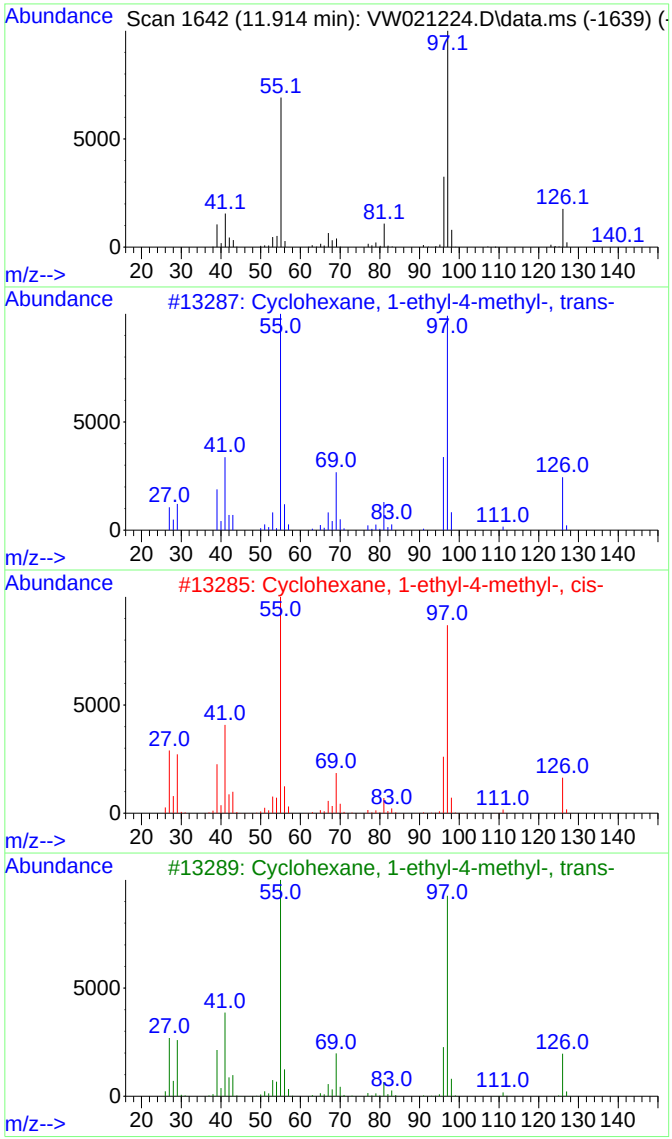
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

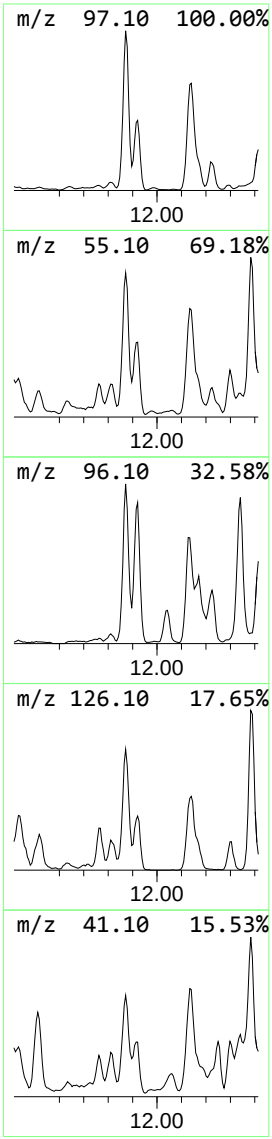
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Cyclic11.914 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.914	16.96 ug/L	314656	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	90
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	86
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	86
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	83
5	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

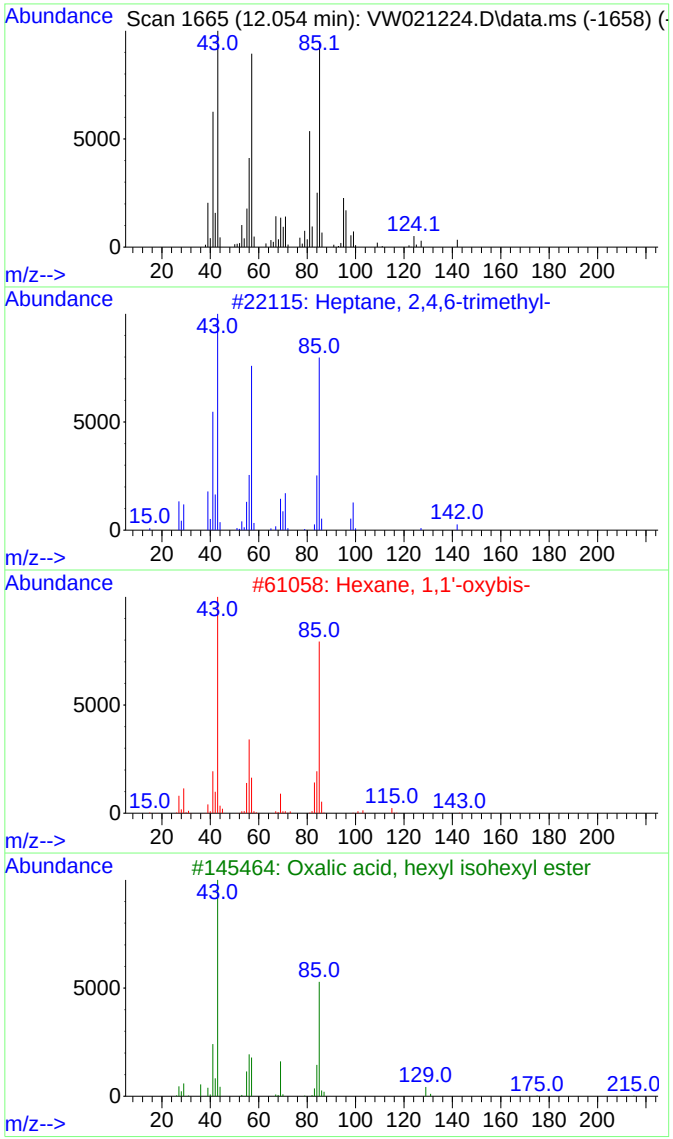
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

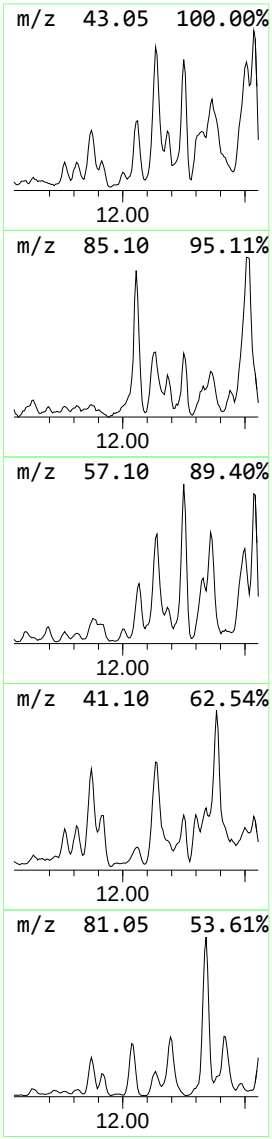
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.055	7.07 ug/L	131275	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	70
2	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	53
3	Oxalic acid, hexyl isohexyl ester	258	C14H26O4	1010309-33-0	47
4	Pentane, 3-ethyl-3-methyl-	114	C8H18	001067-08-9	47
5	2-Pyrrolidinone	85	C4H7NO	000616-45-5	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

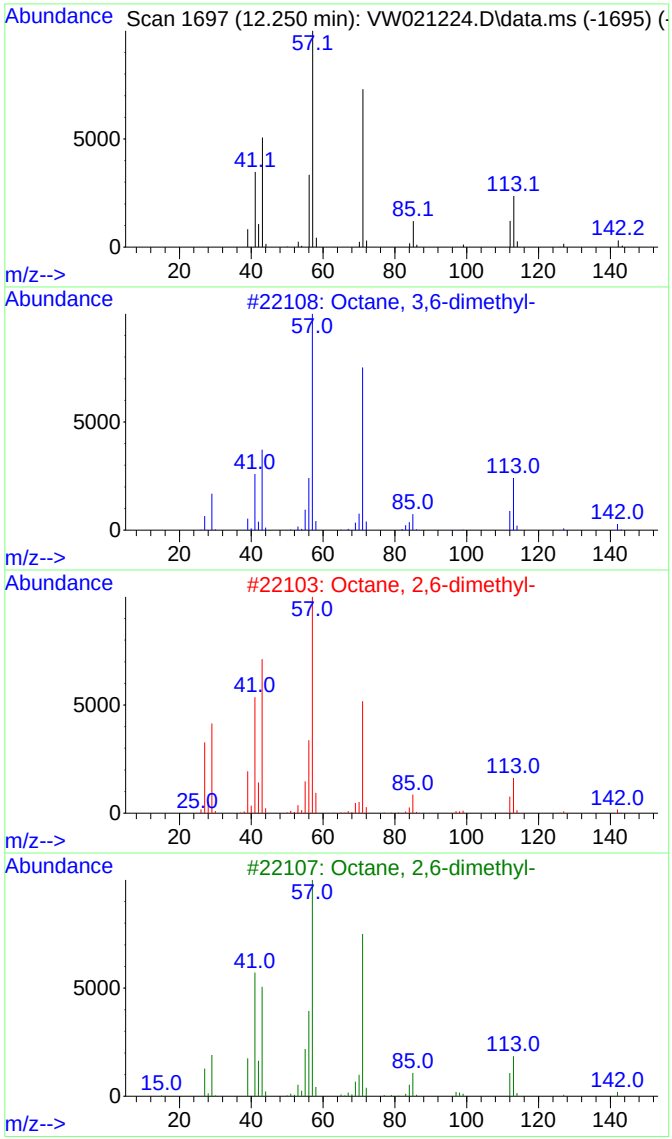
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

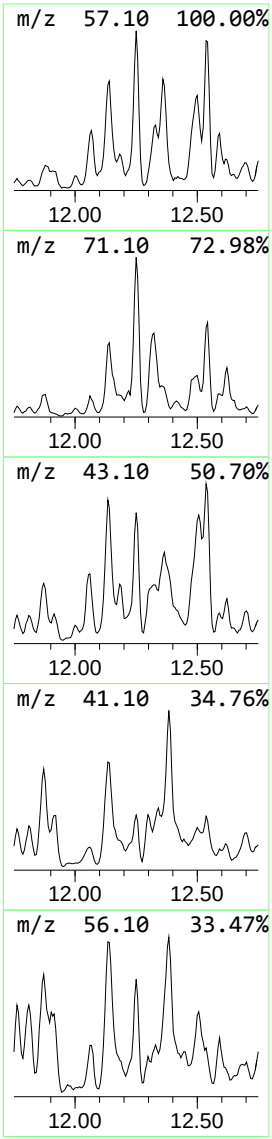
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.250	6.81 ug/L	126399	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	83
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

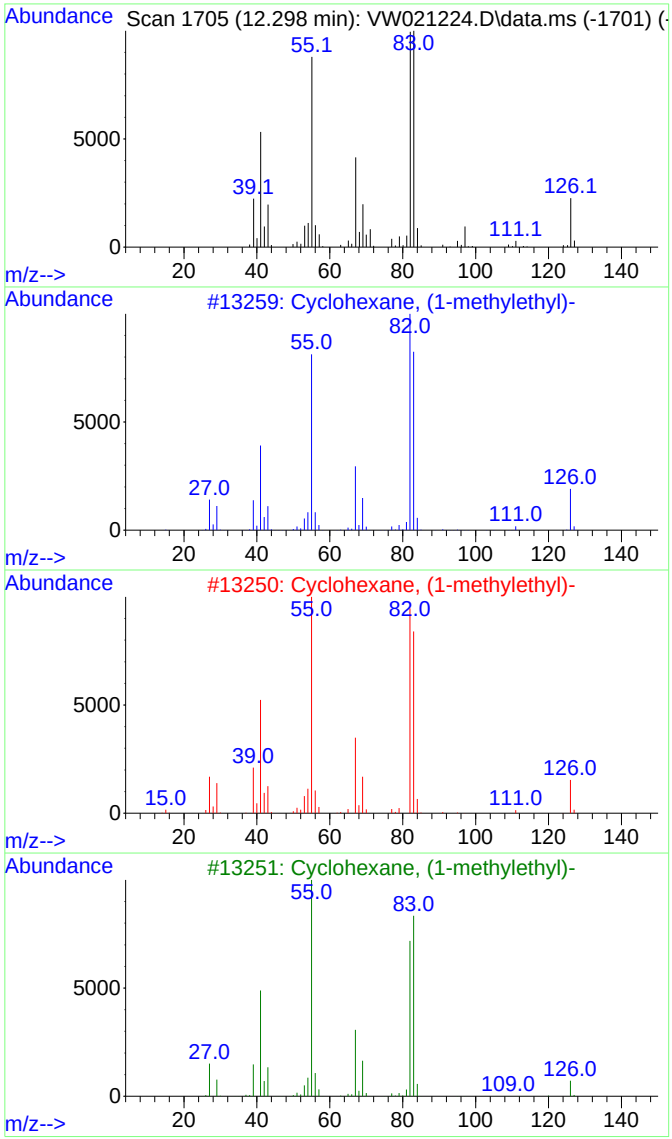
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

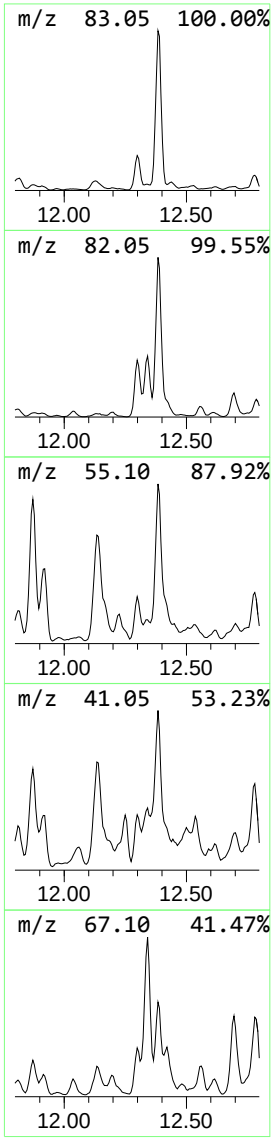
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Cyclic12.298 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.298	12.47 ug/L	231451	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	97
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	94
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	91
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	90
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

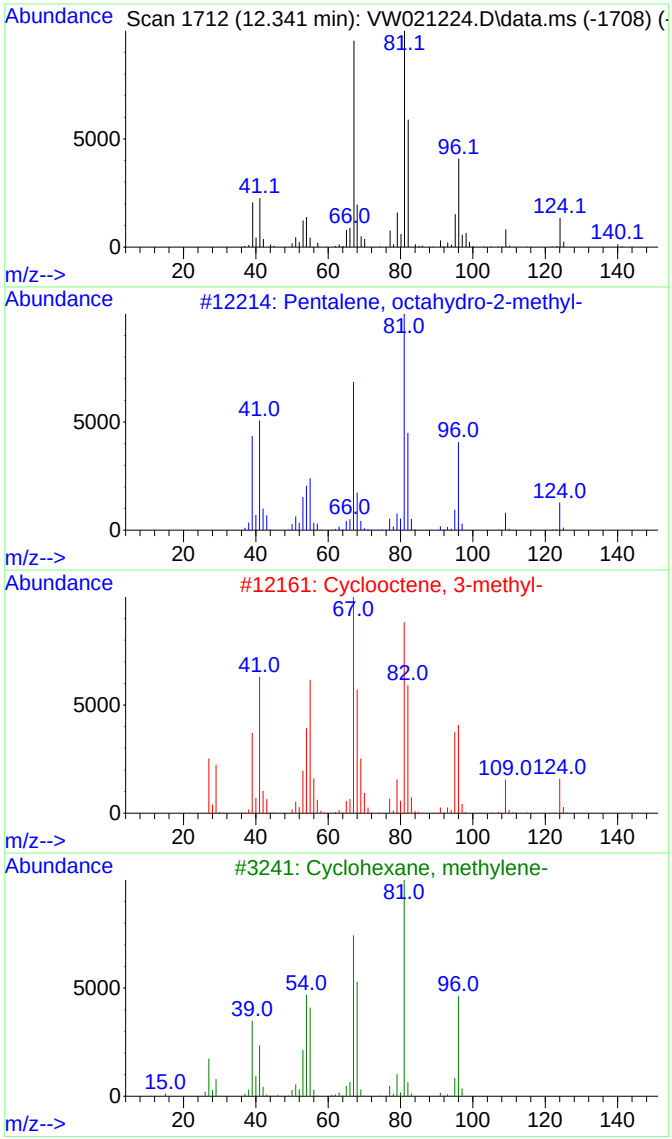
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

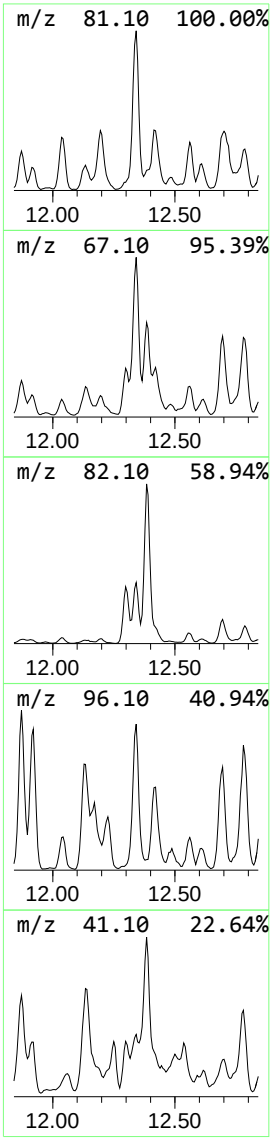
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 Pentalene, octahydro-2-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.341	11.66 ug/L	216388	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	91
2	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	83
3	Cyclohexane, methylene-	96	C7H12	001192-37-6	64
4	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	62
5	Cyclohexane, methylene-	96	C7H12	001192-37-6	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

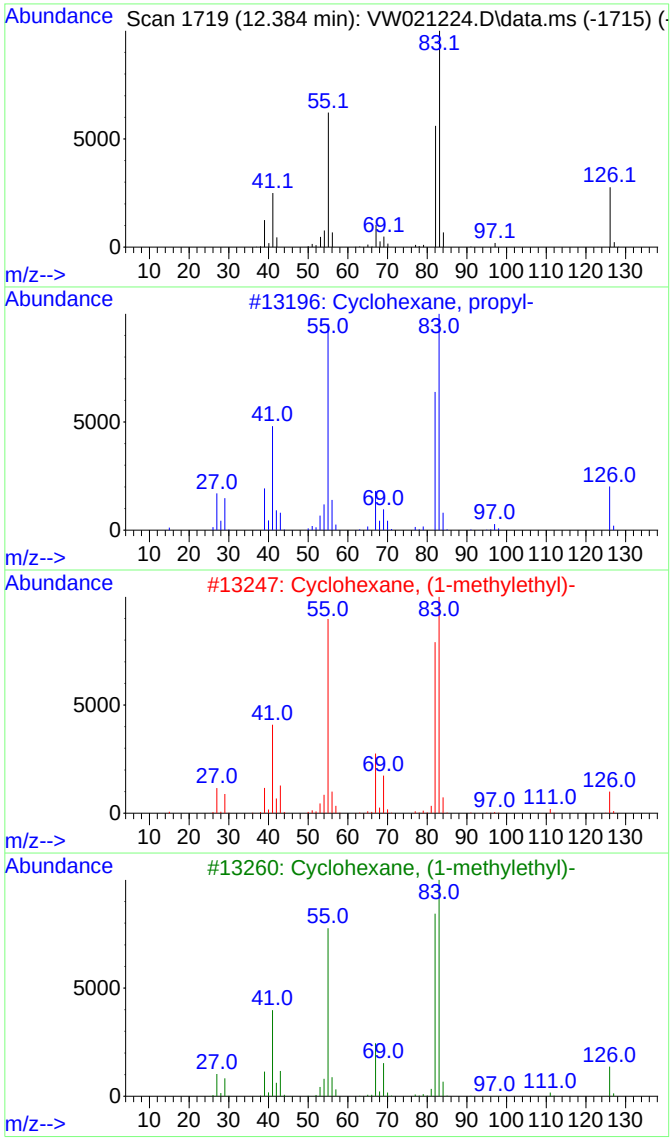
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

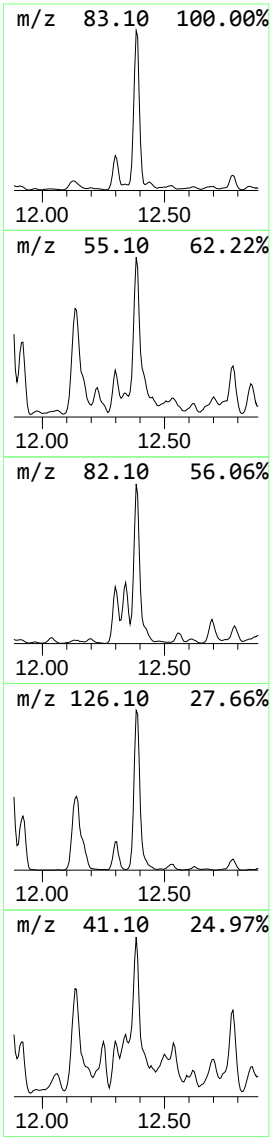
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 (DEL) Alkane: Cyclic12.384 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.384	31.41 ug/L	582874	Chlorobenzene-d5	11.634

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	90
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	80
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	78
4	Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	64
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

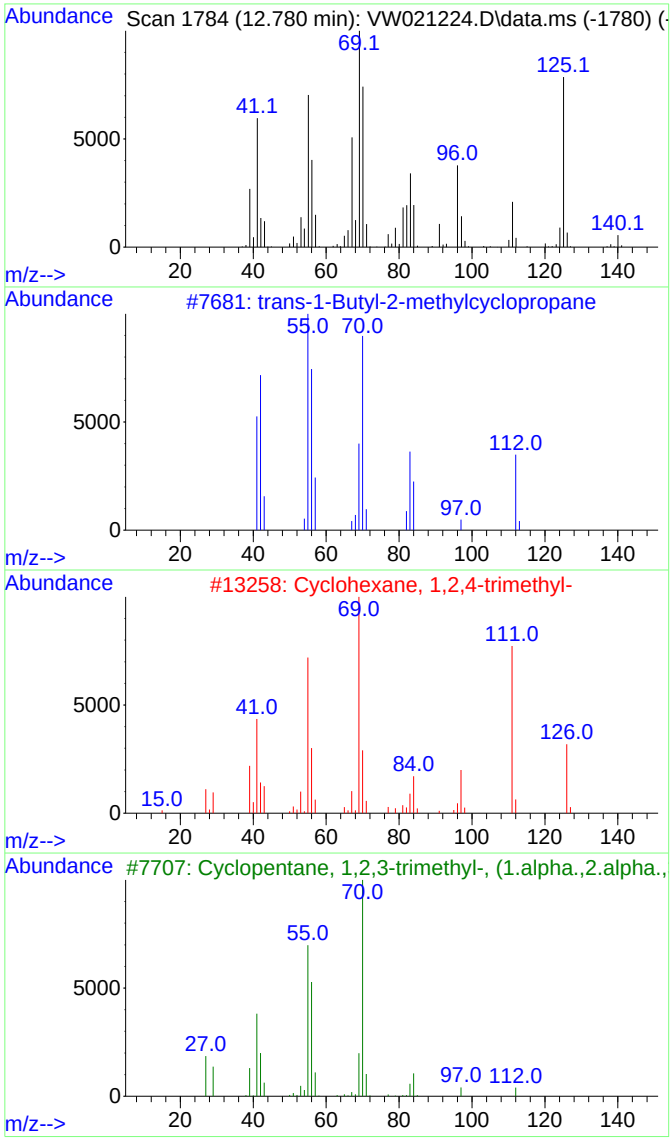
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

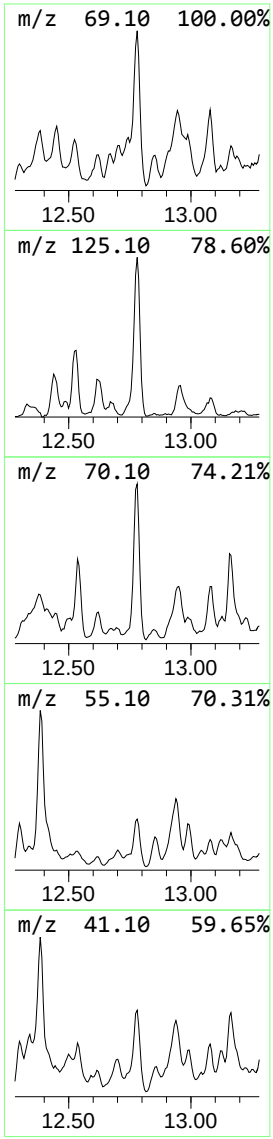
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 (DEL) Alkane: Cyclic12.780 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	35.59 ug/L	550570	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	30
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	27
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	25
4	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	25
5	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

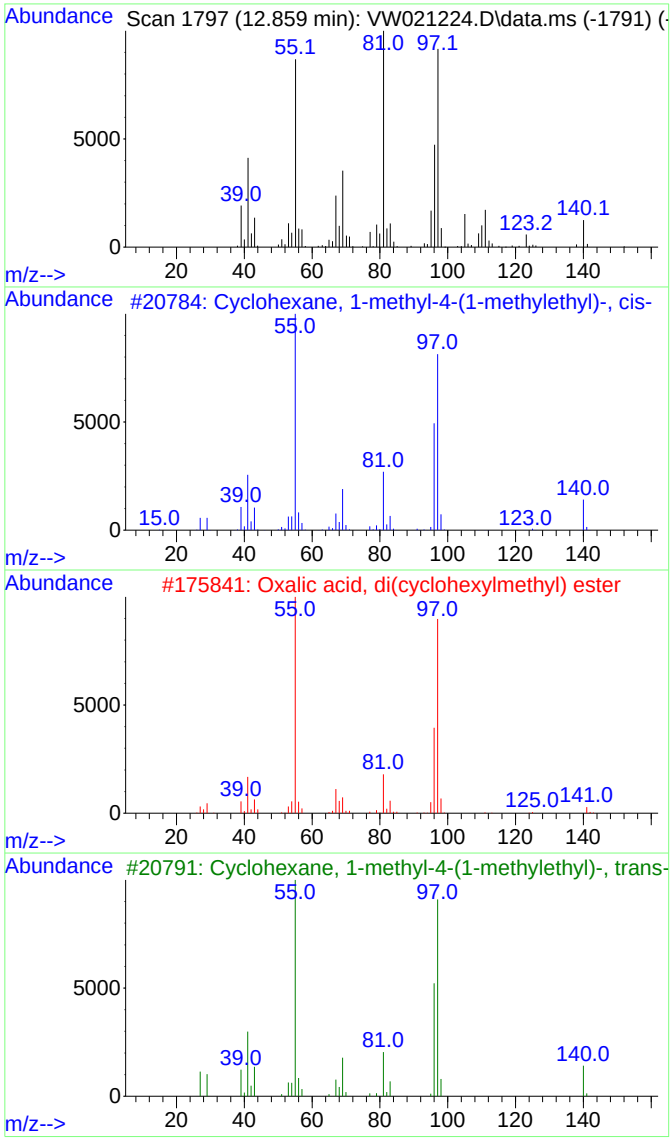
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

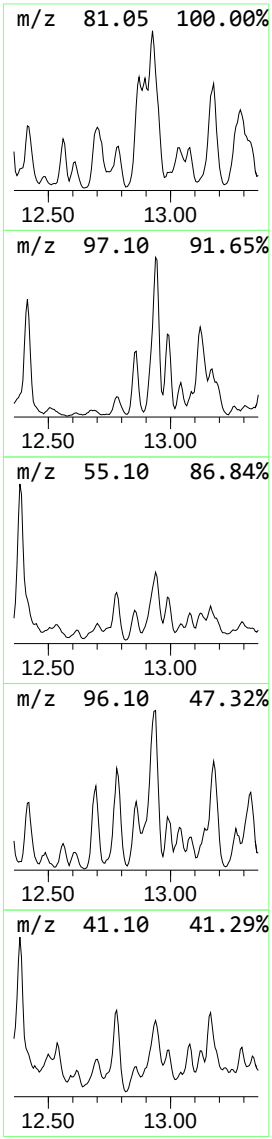
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 (DEL) Alkane: Cyclic12.859 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	13.81 ug/L	213647	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	55
2	Oxalic acid, di(cyclohexylmethyl...	282	C16H26O4	1000309-68-5	49
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	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	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

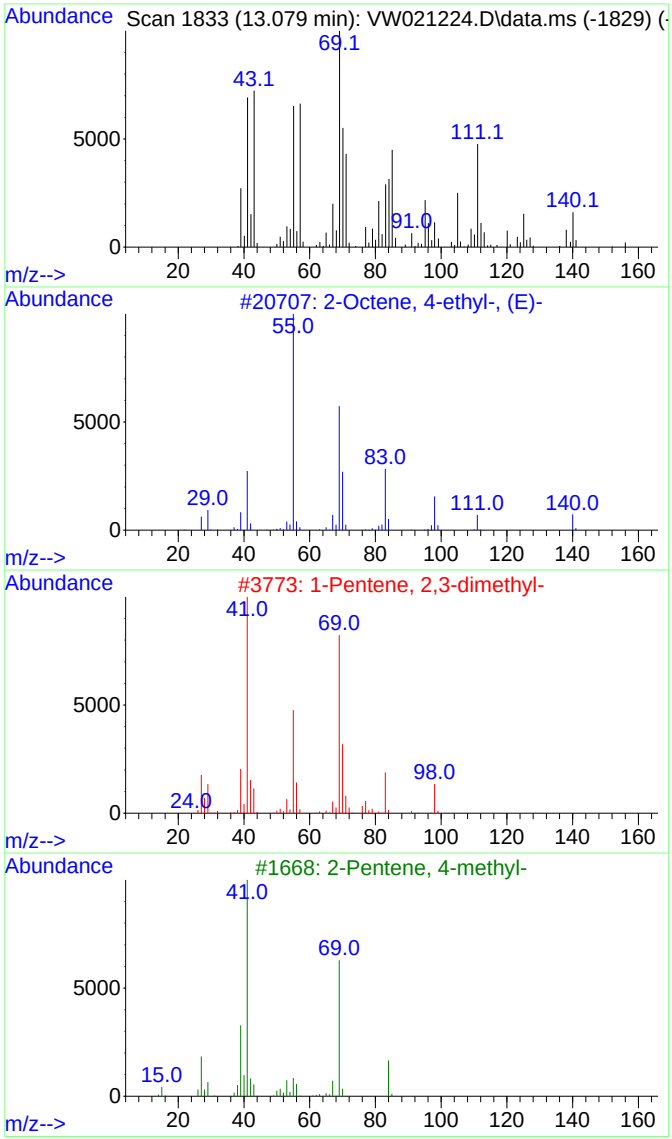
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

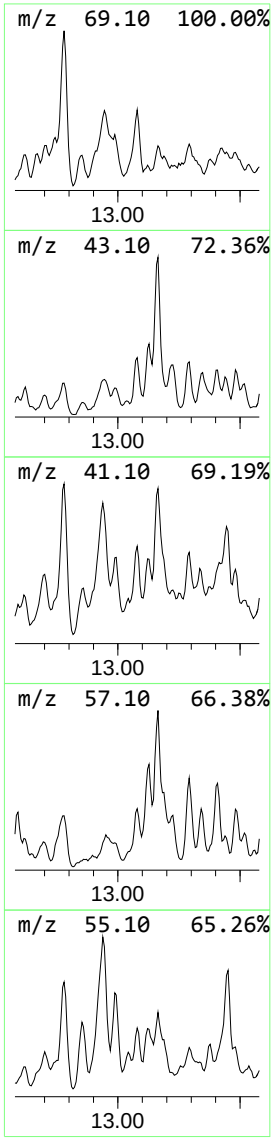
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.079	12.26 ug/L	189606	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 4-ethyl-, (E)-	140	C10H20	074630-09-4	35
2	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	27
3	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	25
4	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	25
5	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

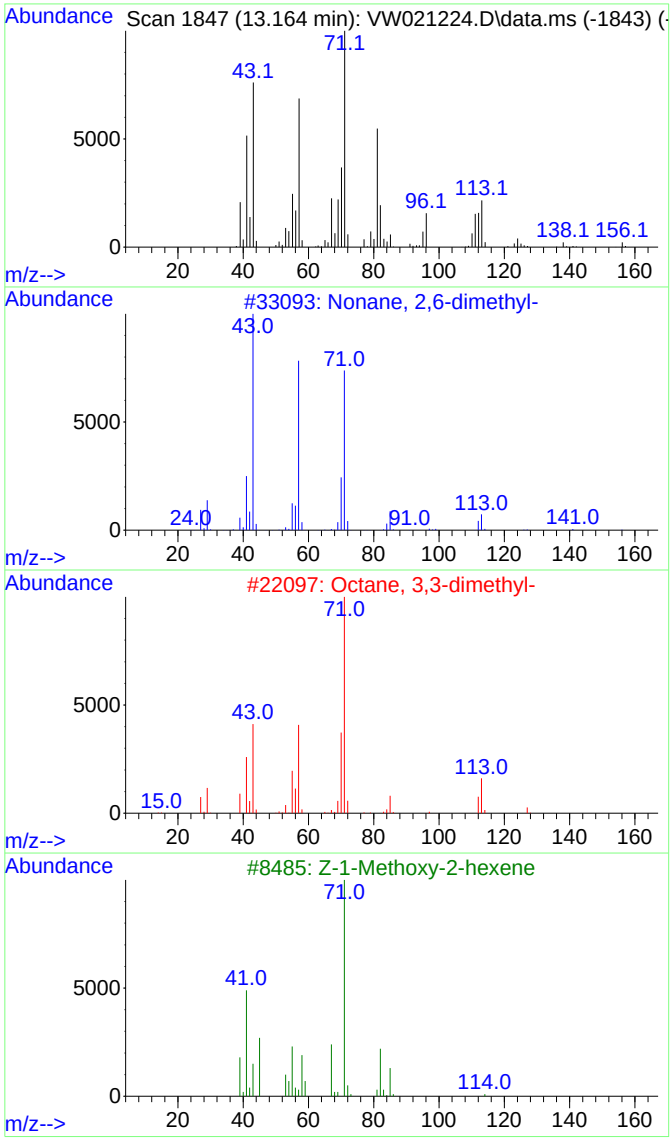
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

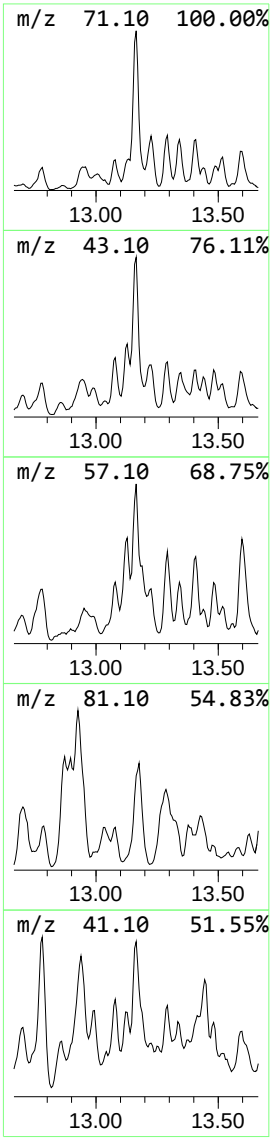
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	25.86 ug/L	400122	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	52
2	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	50
3	Z-1-Methoxy-2-hexene	114	C7H14O	1000279-60-9	47
4	Decane, 4-methyl-	156	C11H24	002847-72-5	47
5	Octane, 2-bromo-	192	C8H17Br	000557-35-7	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

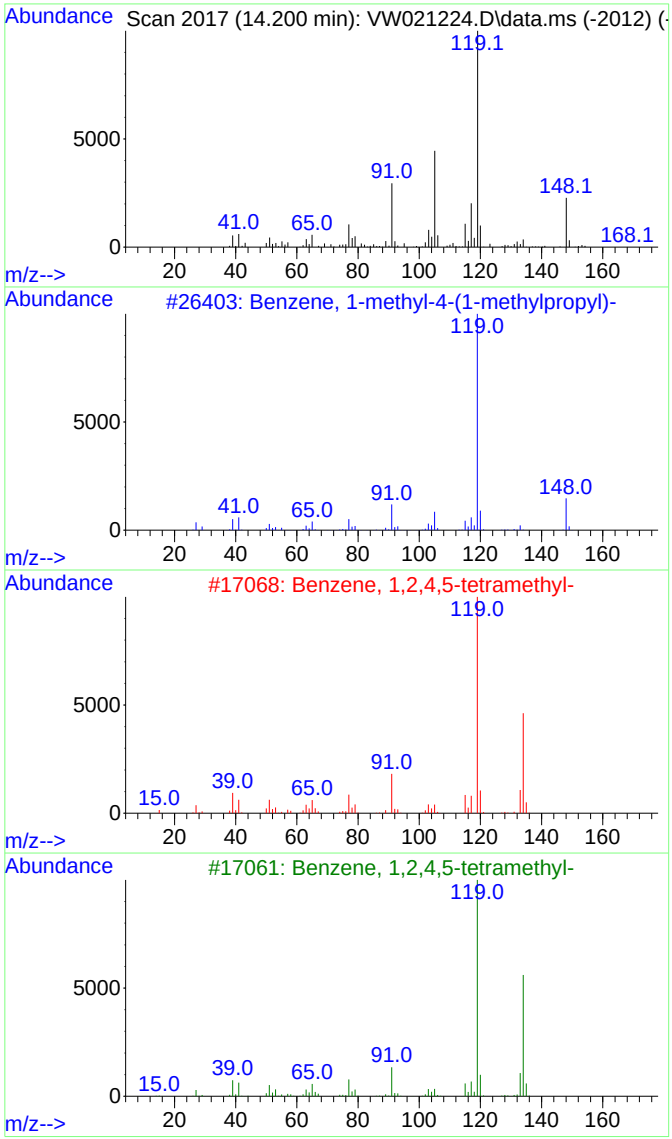
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

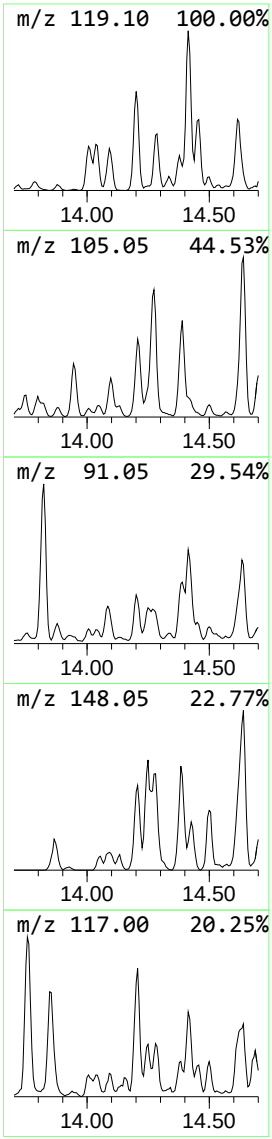
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 Benzene, 1-methyl-4-(1-meth... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.200	14.90 ug/L	230536	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	74
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
4	o-Cymene	134	C10H14	000527-84-4	70
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

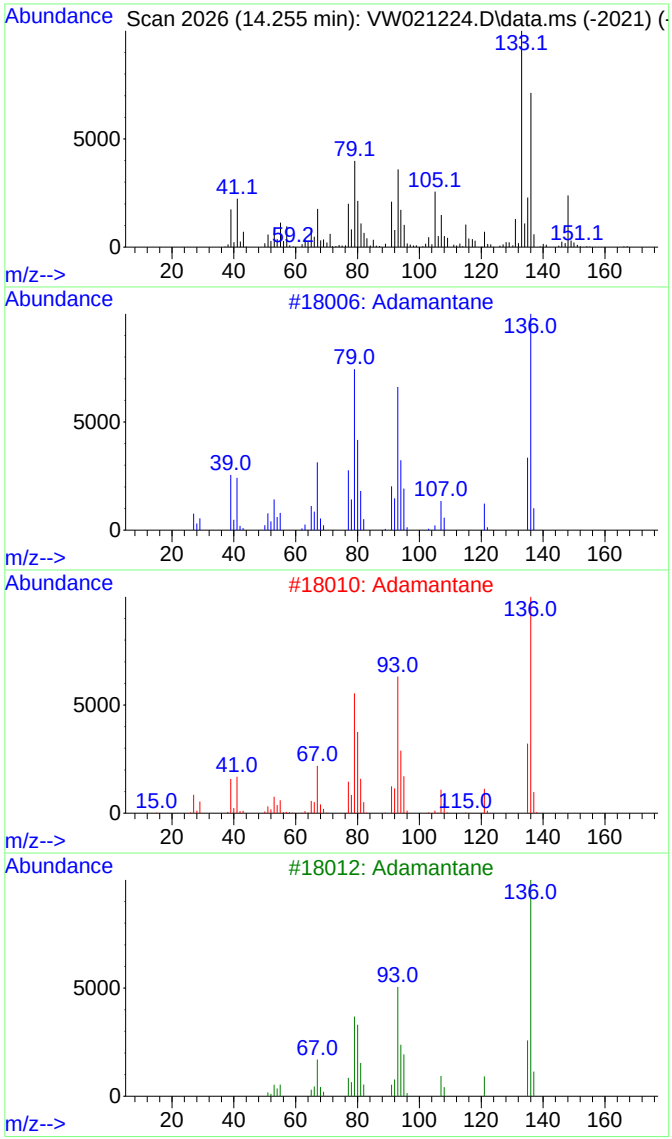
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

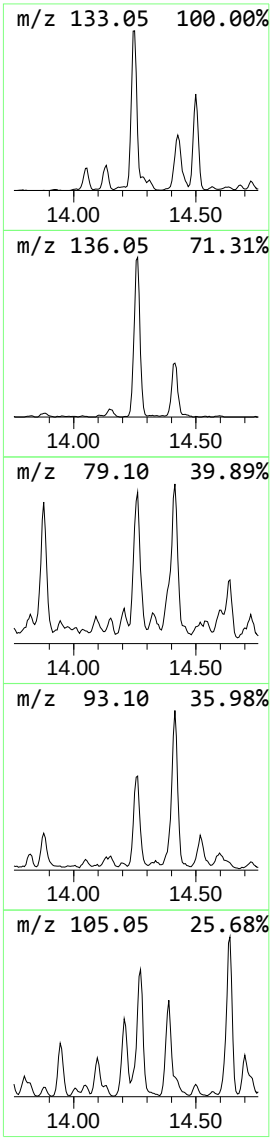
****

Peak Number 43 Adamantane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.255	32.83 ug/L	507891	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	95
2	Adamantane	136	C10H16	000281-23-2	95
3	Adamantane	136	C10H16	000281-23-2	70
4	Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	55
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

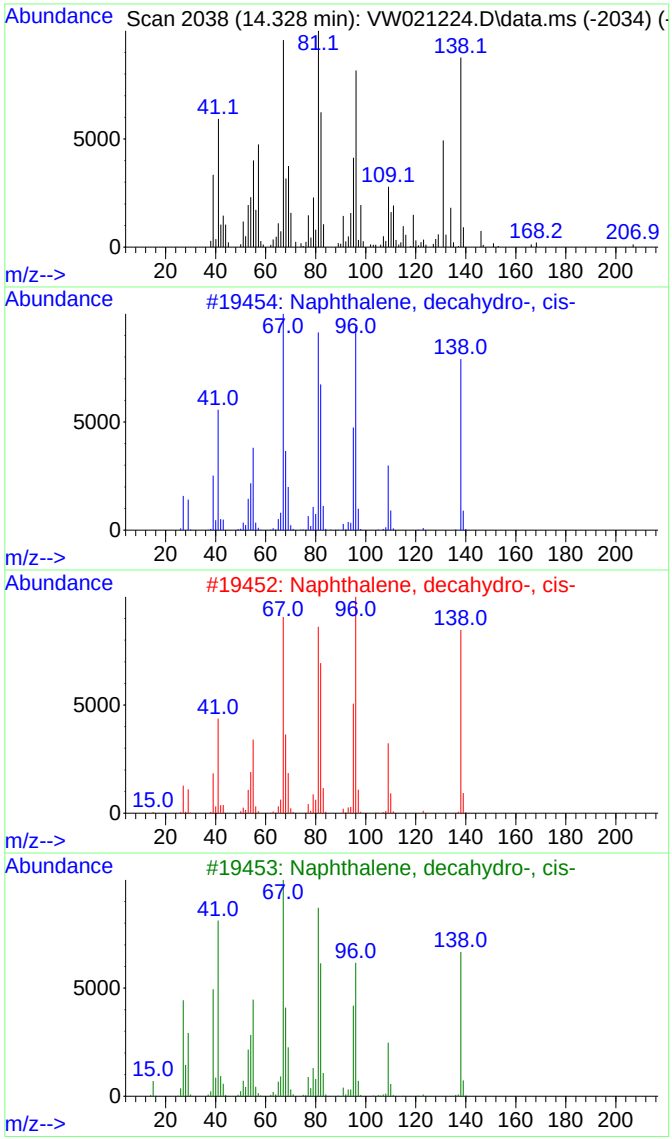
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

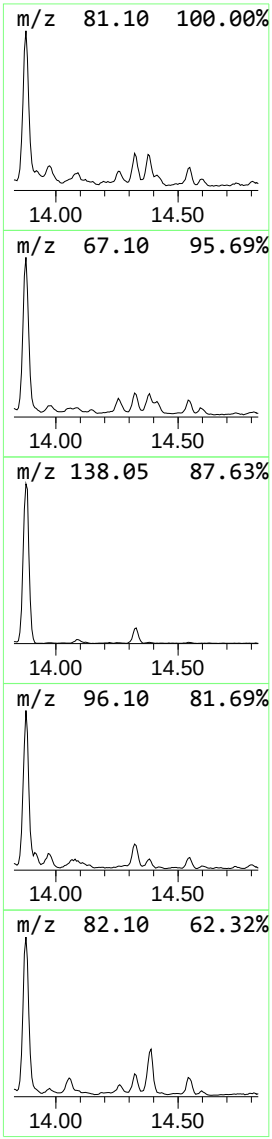
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 Naphthalene, decahydro-, cis- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.329	6.96 ug/L	107711	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	94
2	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	94
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	90
4	Naphthalene, decahydro-	138	C10H18	000091-17-8	89
5	Naphthalene, decahydro-	138	C10H18	000091-17-8	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

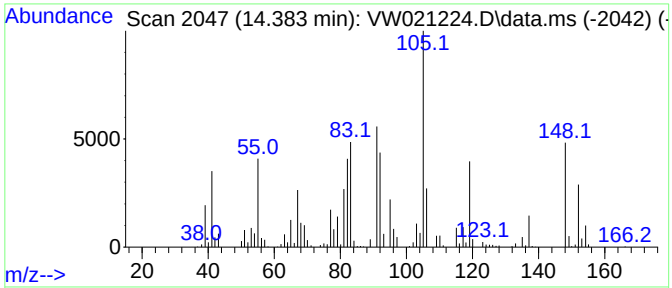
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

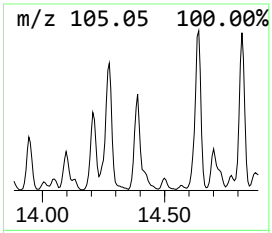
****

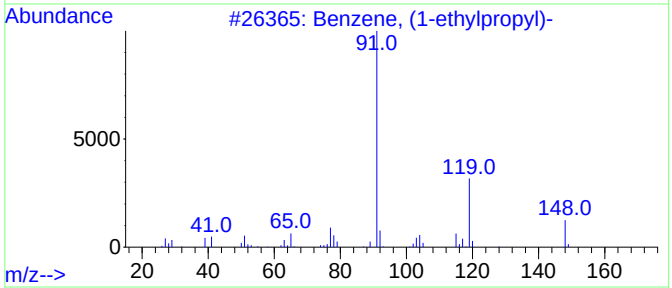
Peak Number 45 unknown-02 Concentration Rank 11

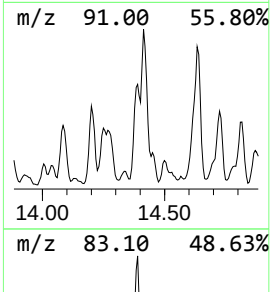
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	19.01 ug/L	294171	1,4-Dichlorobenzene-d4	13.560

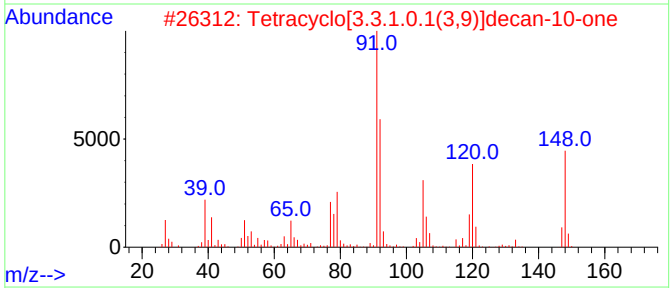
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	35
2	Tetracyclo[3.3.1.0.1(3,9)]decan-...	148	C10H12O	016492-06-1	22
3	2-Methylindan-2-ol	148	C10H12O	033223-84-6	15
4	Benzene, pentyl-	148	C11H16	000538-68-1	14
5	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	11

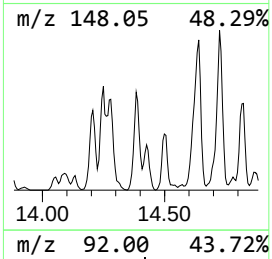


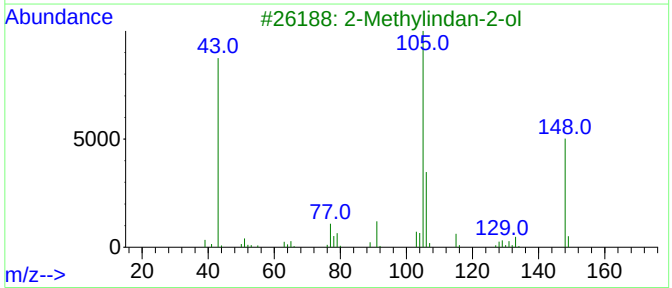


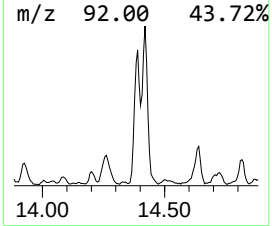












Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

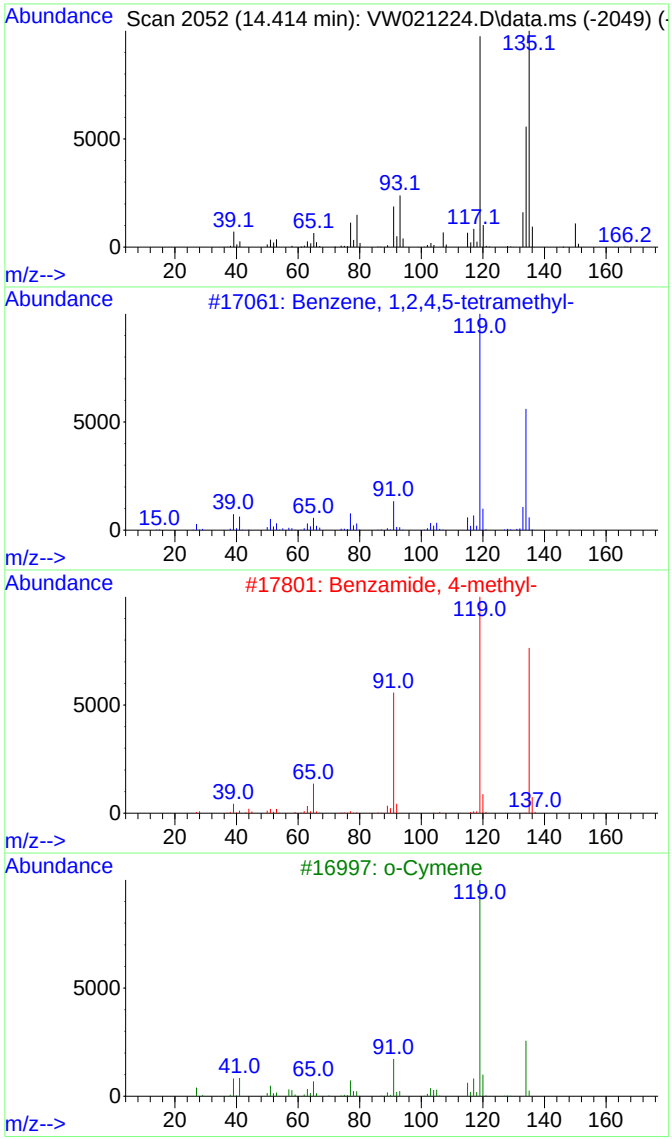
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

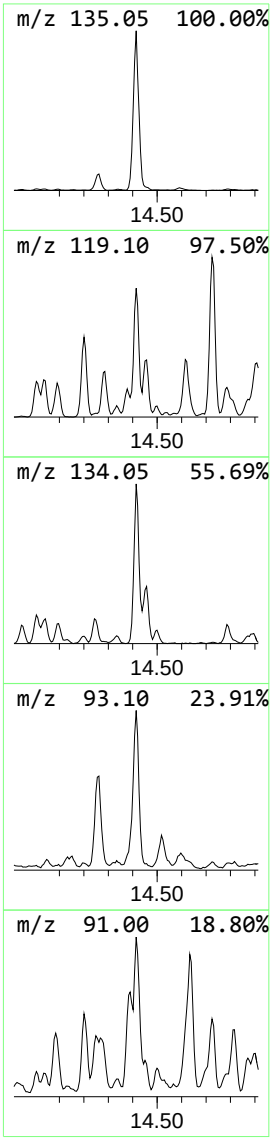
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.414	27.39 ug/L	423692	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	55
2	Benzamide, 4-methyl-	135	C8H9NO	000619-55-6	52
3	o-Cymene	134	C10H14	000527-84-4	50
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	49
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

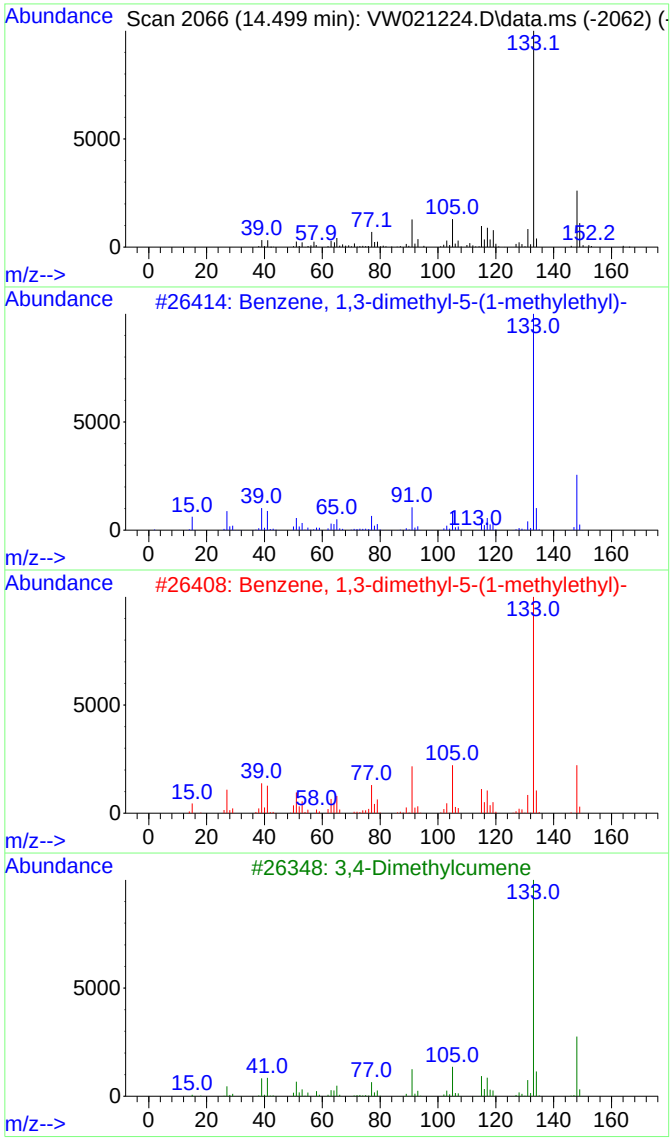
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

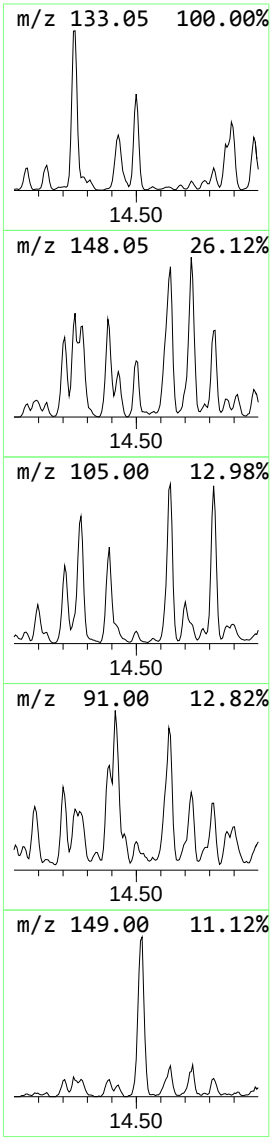
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.499	6.52 ug/L	100884	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	90
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	90
3	3,4-Dimethylcumene	148	C11H16	1000370-34-1	90
4	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	86
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

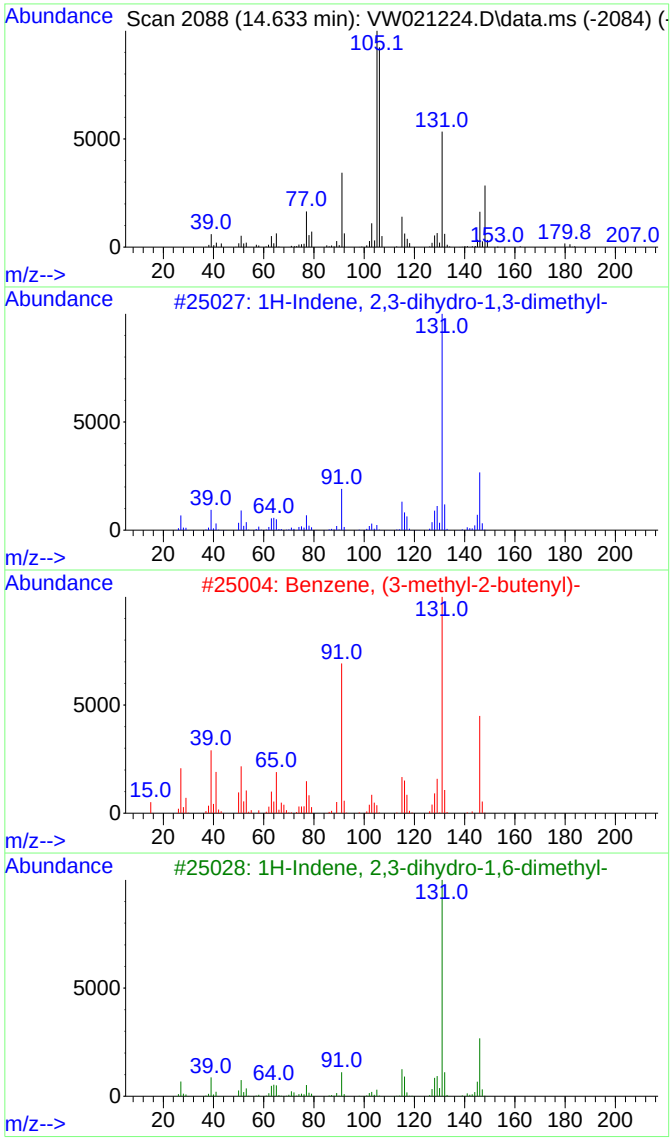
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

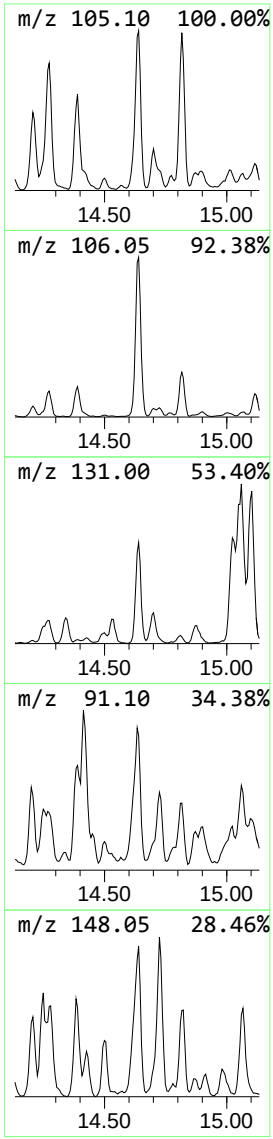
****

Peak Number 48 unknown-03 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.633	25.96 ug/L	401611	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	38
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	38
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	35
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	30
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

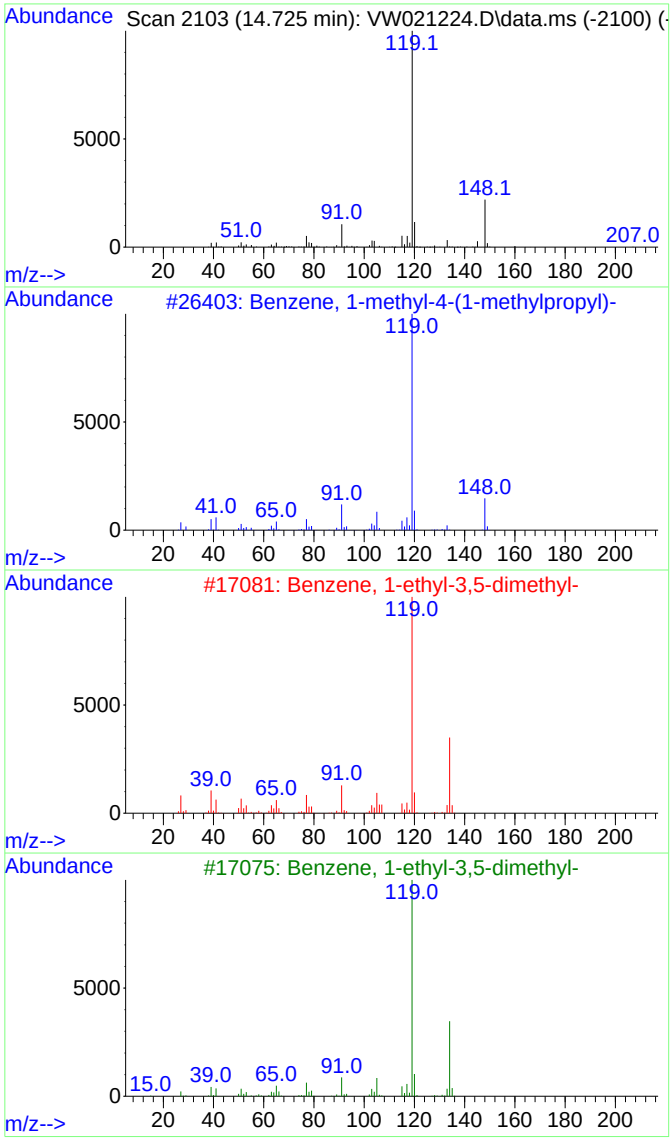
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

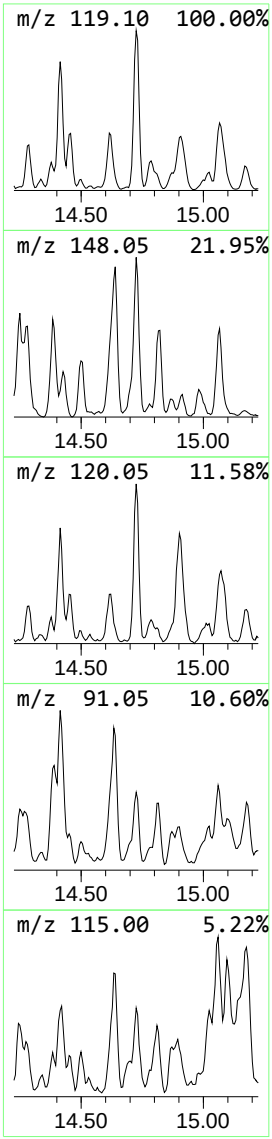
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.725	15.46 ug/L	239146	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	91
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	64
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	64
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

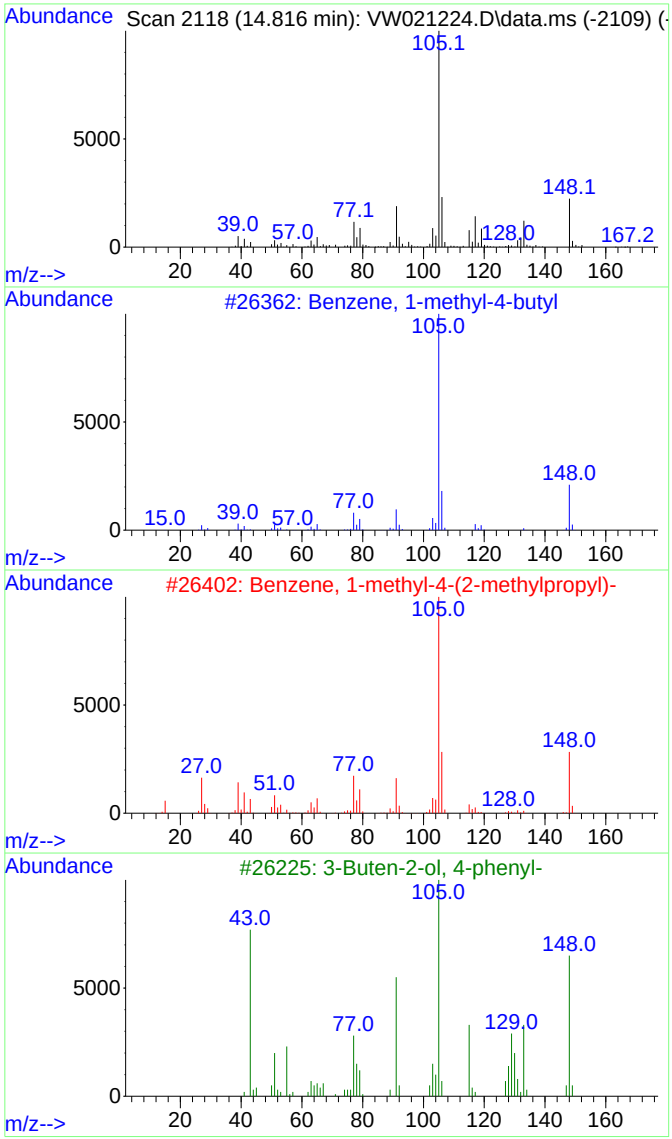
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

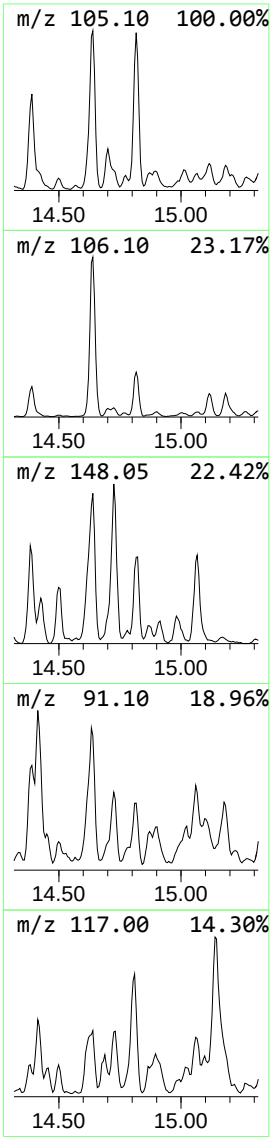
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 Benzene, 1-methyl-4-butyl Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.816	17.98 ug/L	278206	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-butyl	148	C11H16	001595-05-7	76
2	Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	70
3	3-Buten-2-ol, 4-phenyl-	148	C10H12O	017488-65-2	49
4	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	49
5	2-Butanone, 4-phenyl-	148	C10H12O	002550-26-7	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

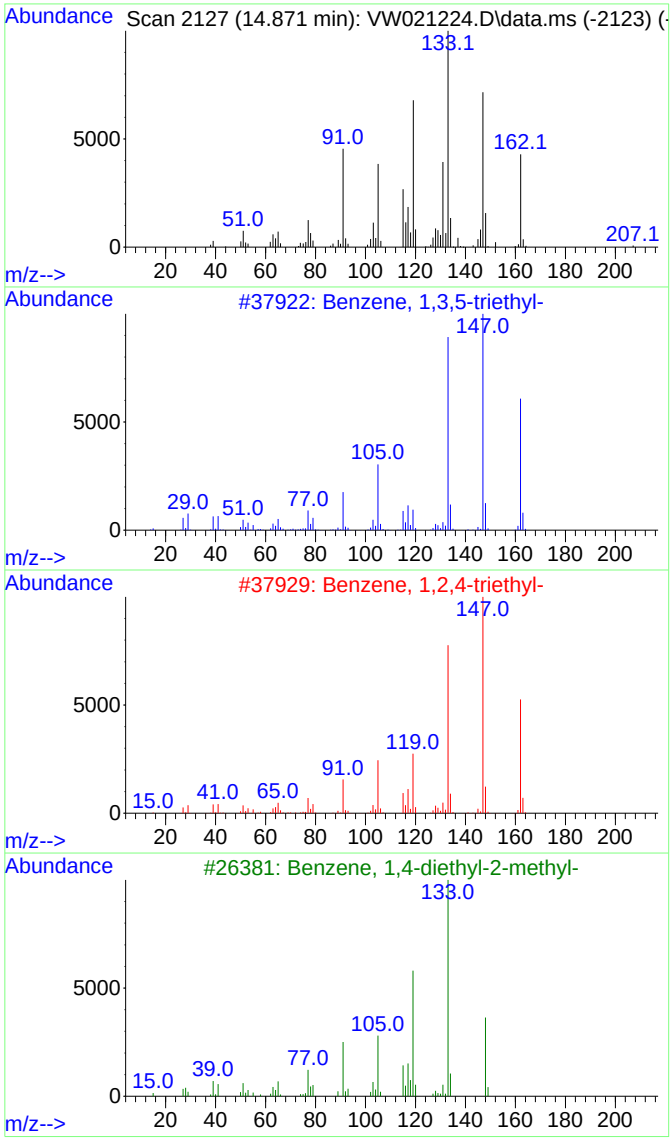
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

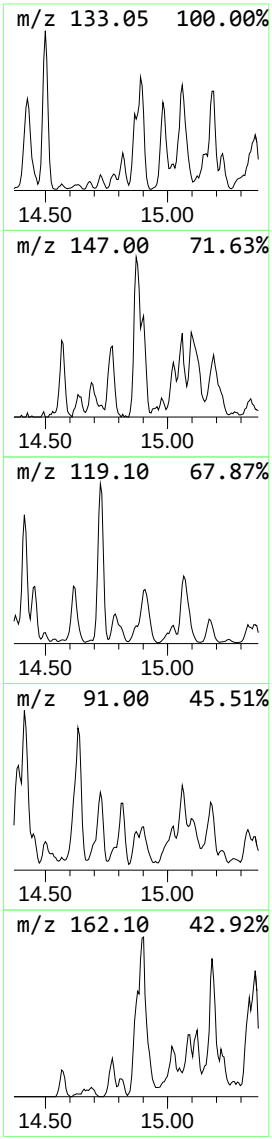
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 Benzene, 1,3,5-triethyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.871	4.91 ug/L	75897	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-triethyl-	162	C12H18	000102-25-0	58
2	Benzene, 1,2,4-triethyl-	162	C12H18	000877-44-1	58
3	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	55
4	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	55
5	Benzene, 1,2,4-trimethyl-5-(1-me...	162	C12H18	010222-95-4	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

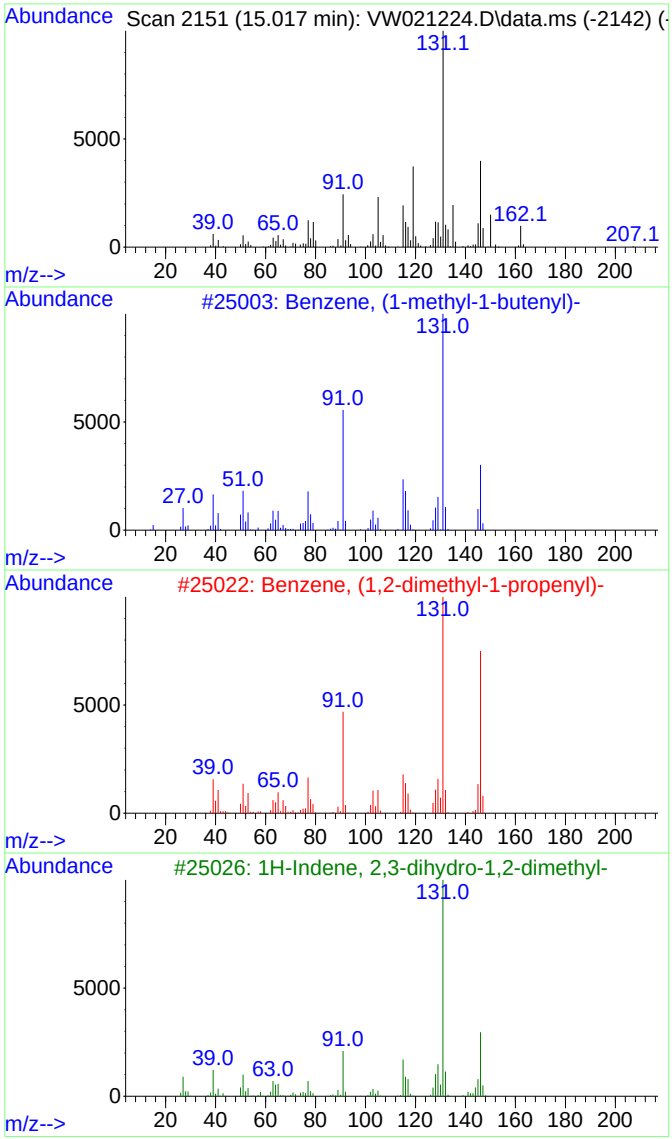
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

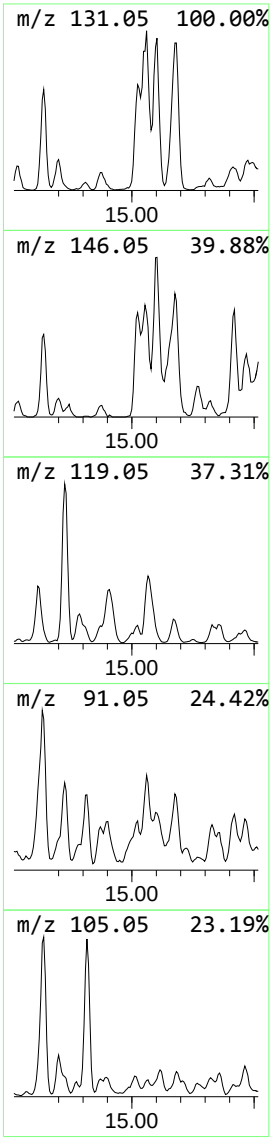
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 Benzene, (1-methyl-1-butenyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.017	17.56 ug/L	271726	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	93
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	86
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	86
5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

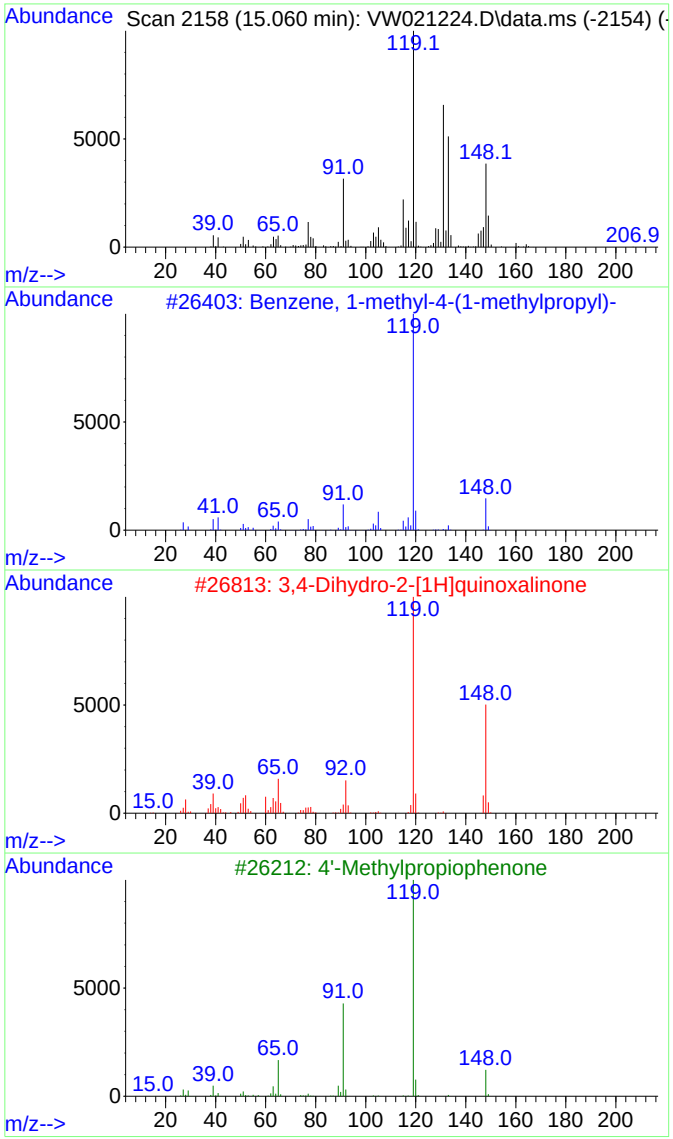
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

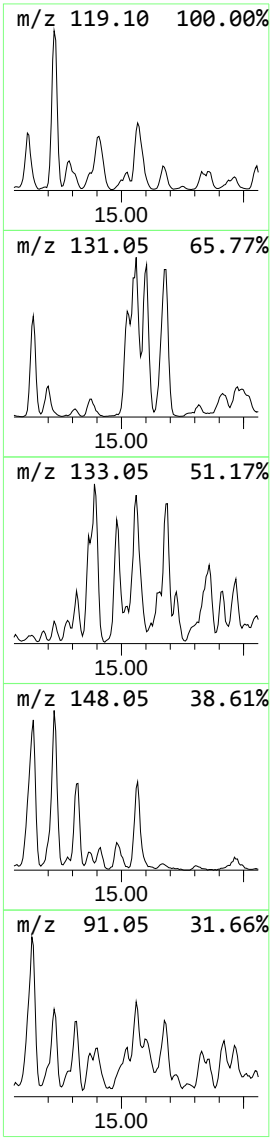
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 unknown-04 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	12.76 ug/L	197428	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	55
2	3,4-Dihydro-2-[1H]quinoxalinone	148	C8H8N2O	059564-59-9	43
3	4'-Methylpropiophenone	148	C10H12O	005337-93-9	43
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	43
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

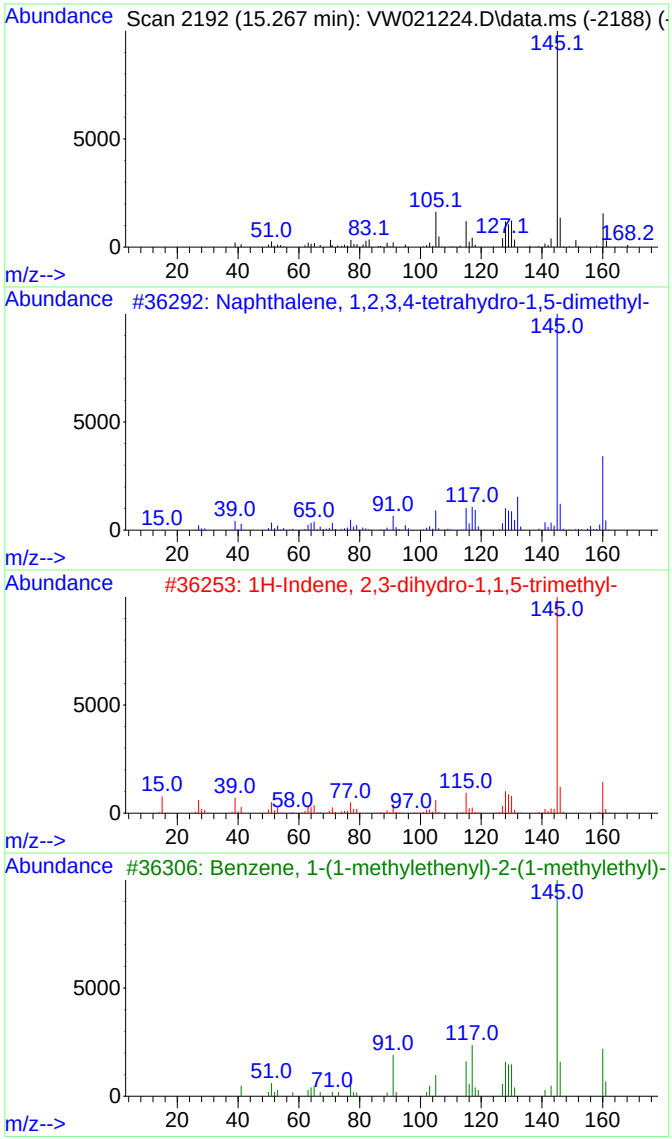
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

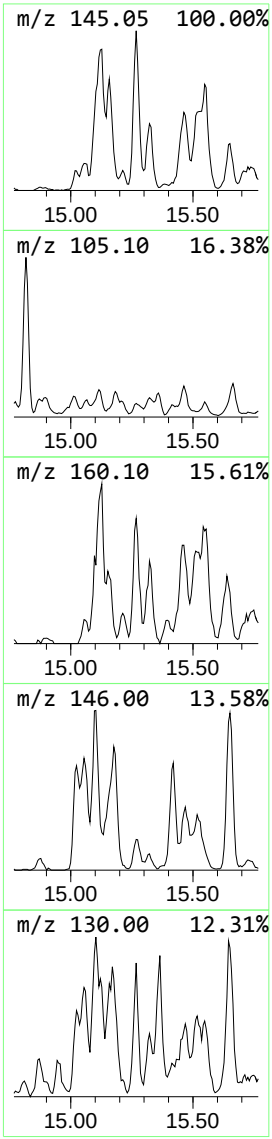
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 54 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.267	3.89 ug/L	60141	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	91
2	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	91
3	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	91
4	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	90
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

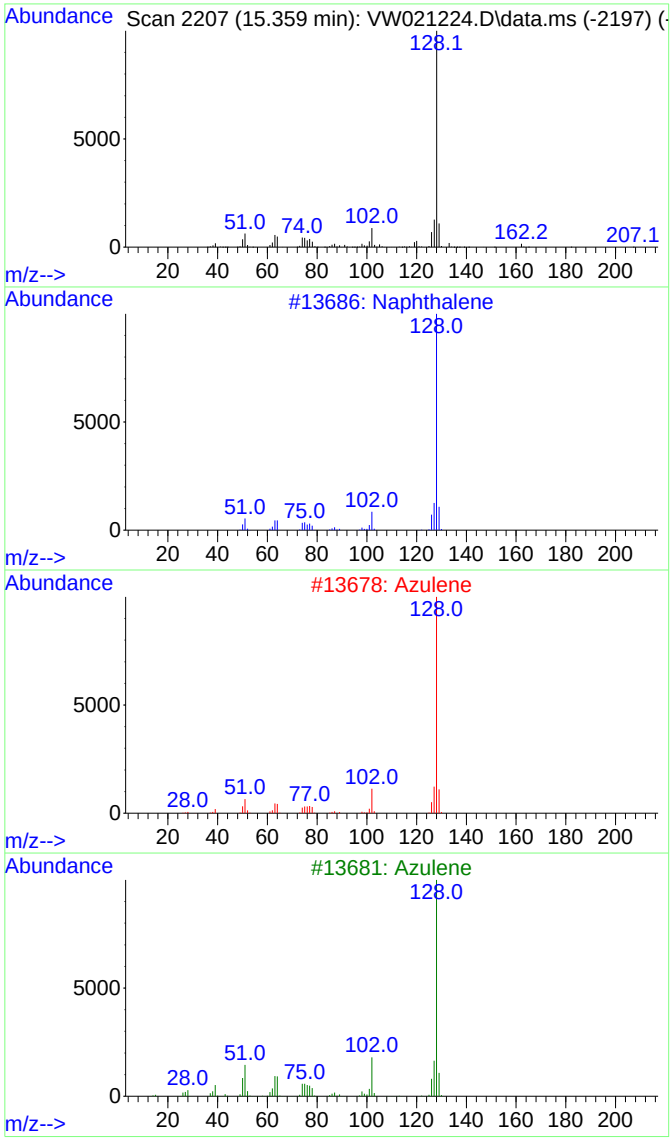
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

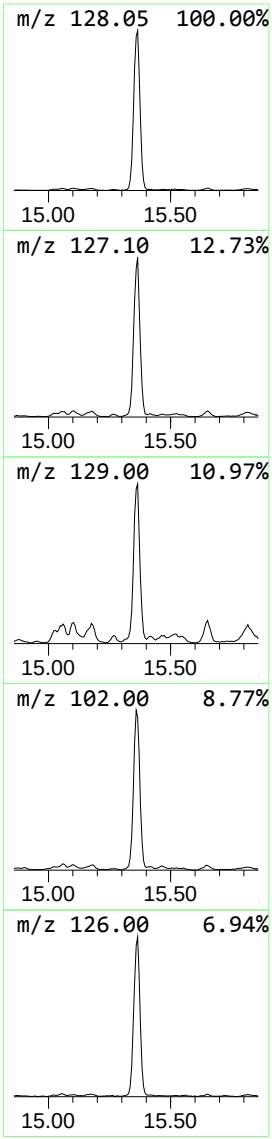
****

Peak Number 55 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.359	92.76 ug/L	1435090	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	94
2	Azulene	128	C10H8	000275-51-4	93
3	Azulene	128	C10H8	000275-51-4	90
4	Azulene	128	C10H8	000275-51-4	90
5	Naphthalene	128	C10H8	000091-20-3	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

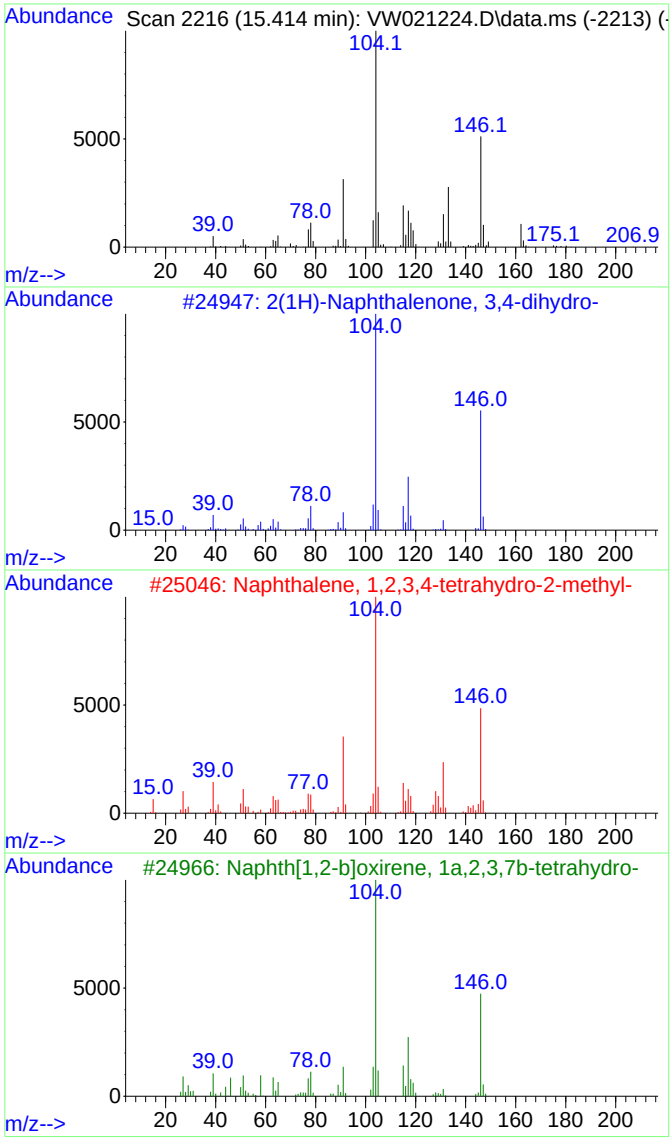
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

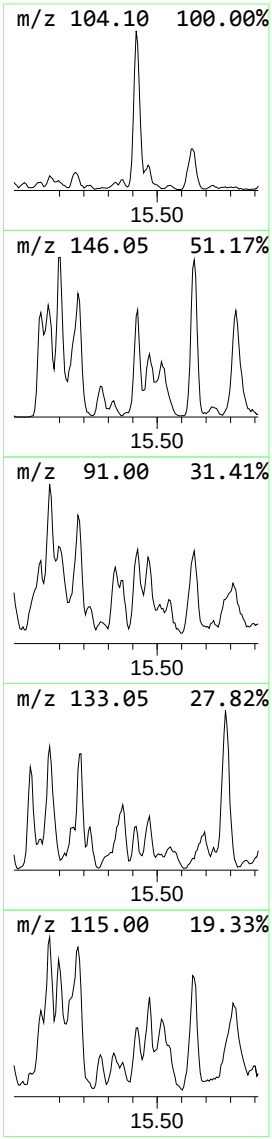
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 56 2(1H)-Naphthalenone, 3,4-di... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.414	4.94 ug/L	76439	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	76
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	72
3	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	68
4	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	64
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

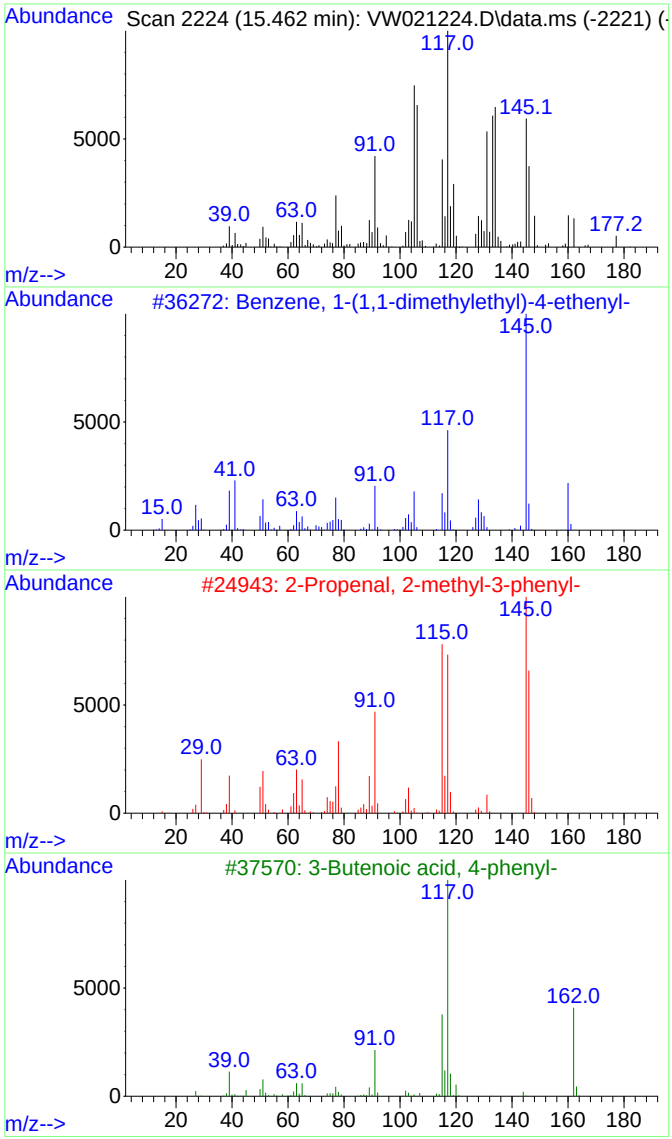
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

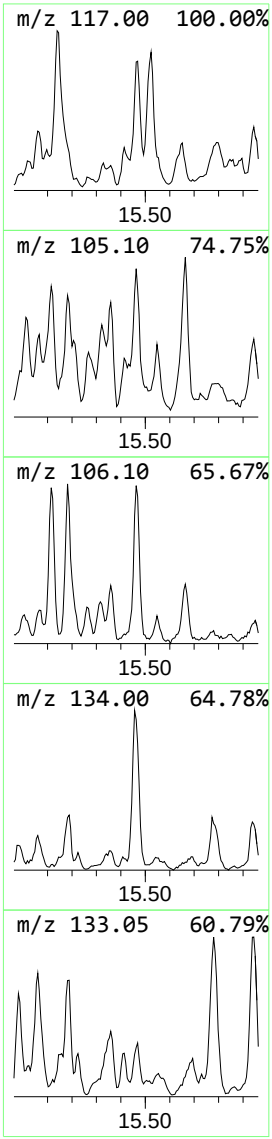
****

Peak Number 57 unknown-05 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.462	6.81 ug/L	105371	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	41
2	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	35
3	3-Butenoic acid, 4-phenyl-	162	C10H10O2	002243-53-0	30
4	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	30
5	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

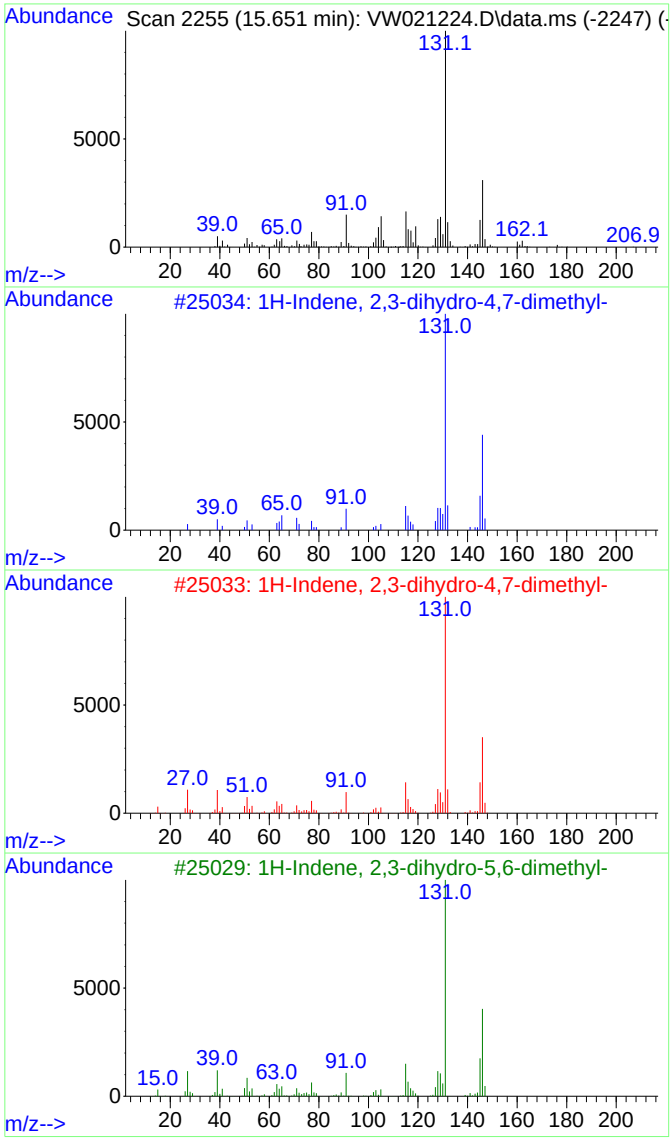
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

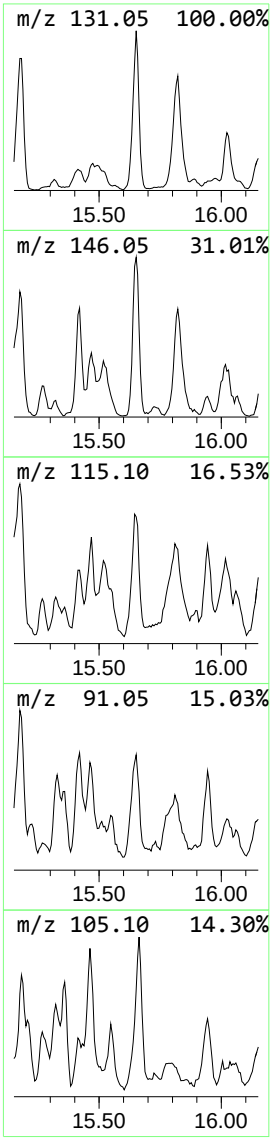
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 58 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	22.11 ug/L	342120	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
3	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	93
4	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	93
5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

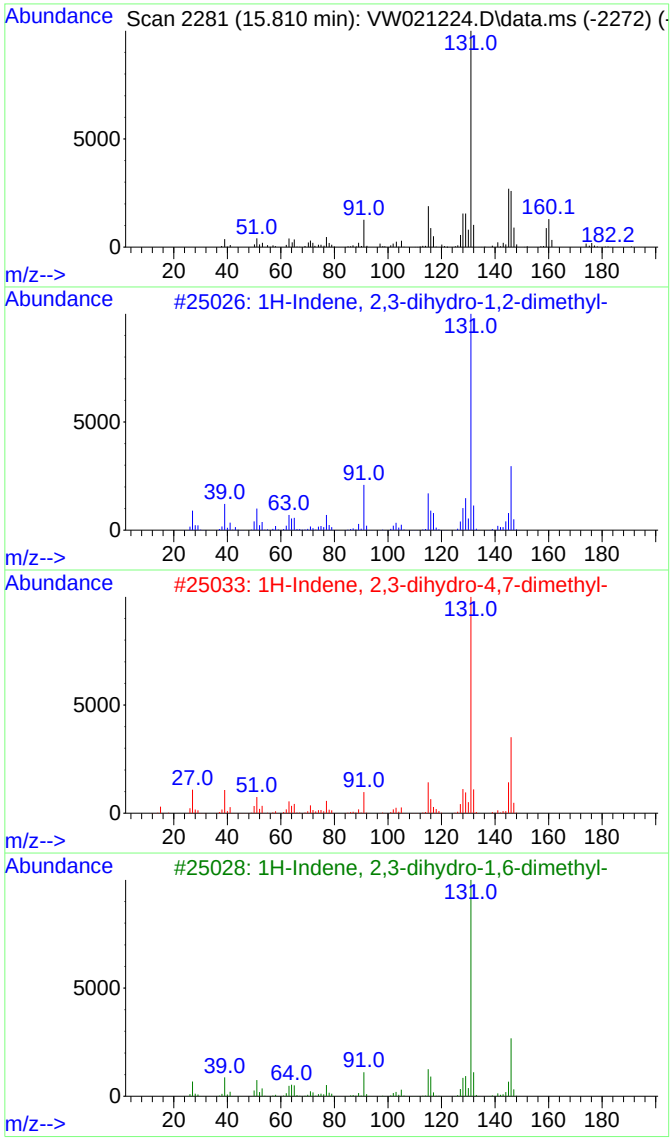
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

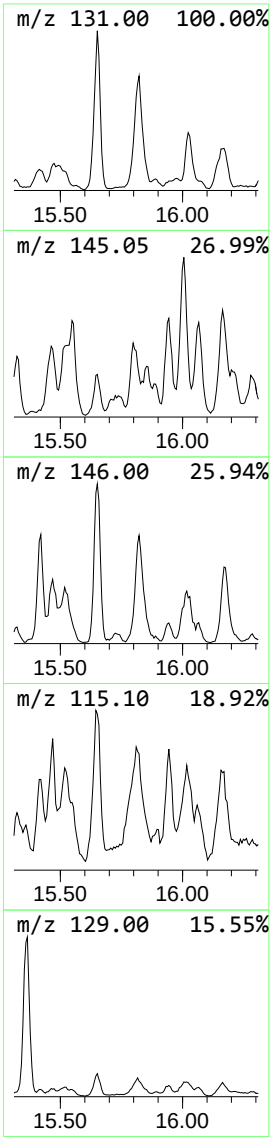
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 59 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.810	18.92 ug/L	292670	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	81
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	74
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	72
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	72
5	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

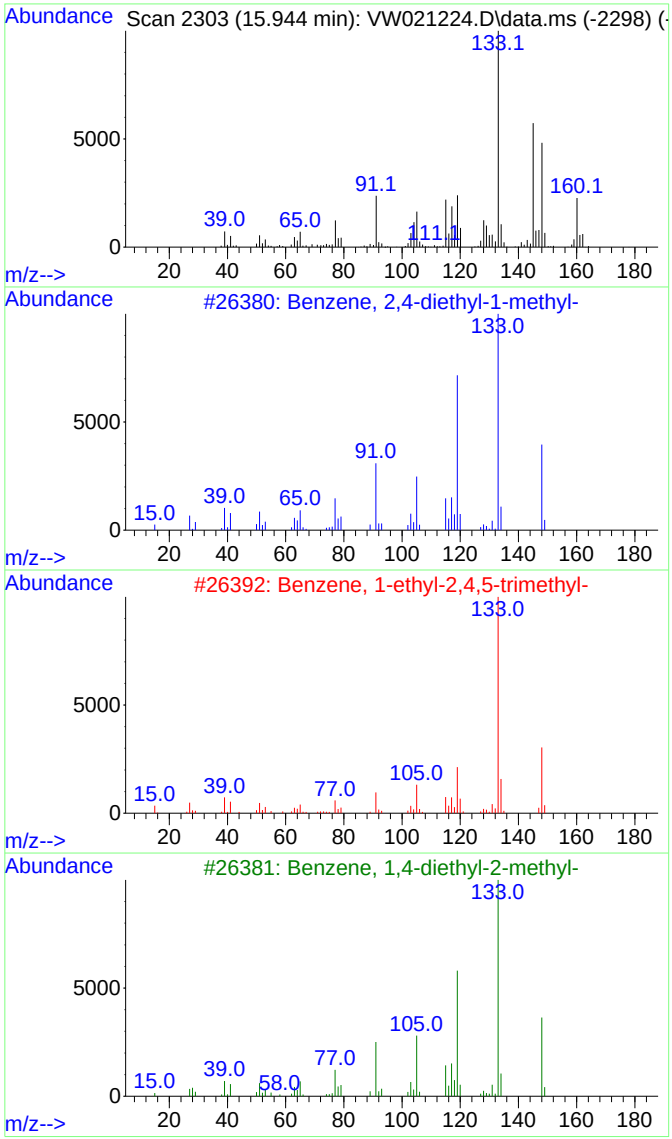
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

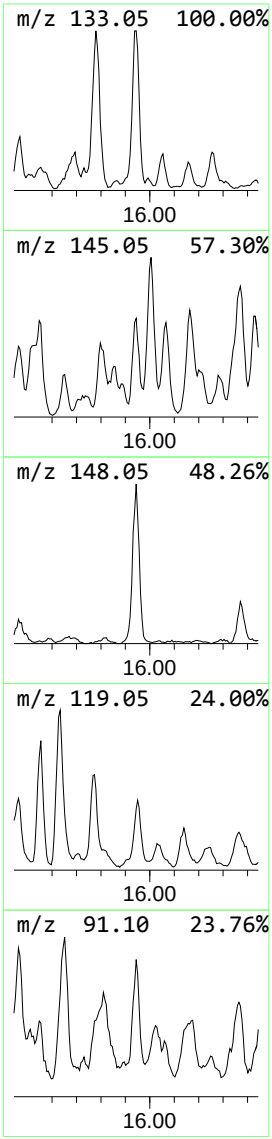
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 60 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.944	11.61 ug/L	179609	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	55
2	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	55
3	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	55
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	55
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

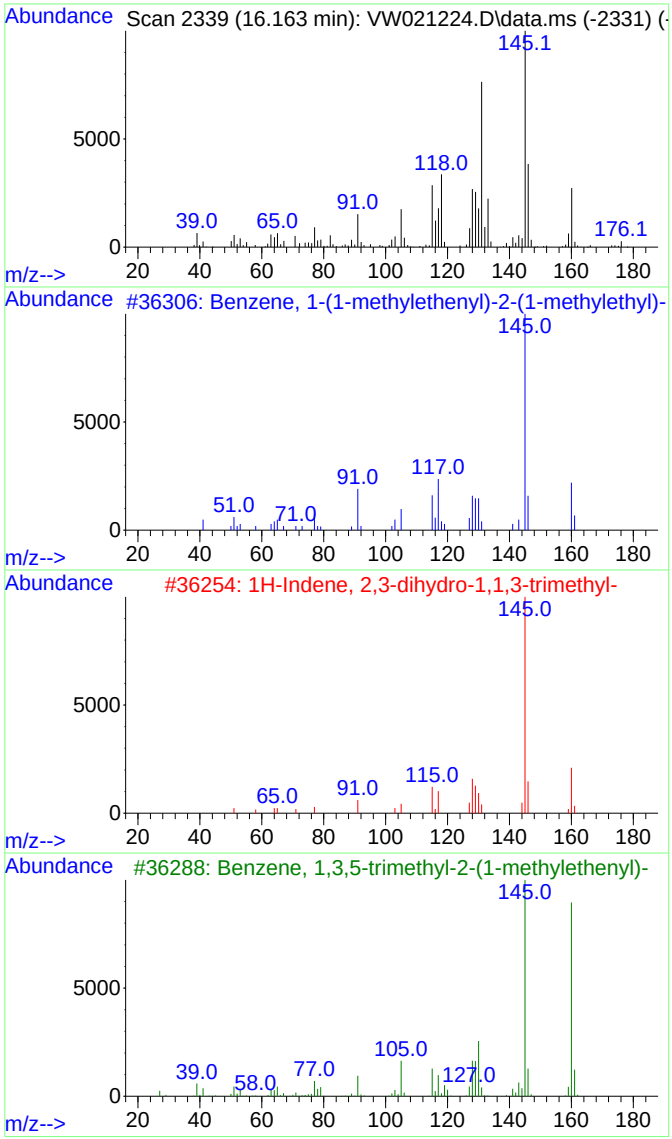
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

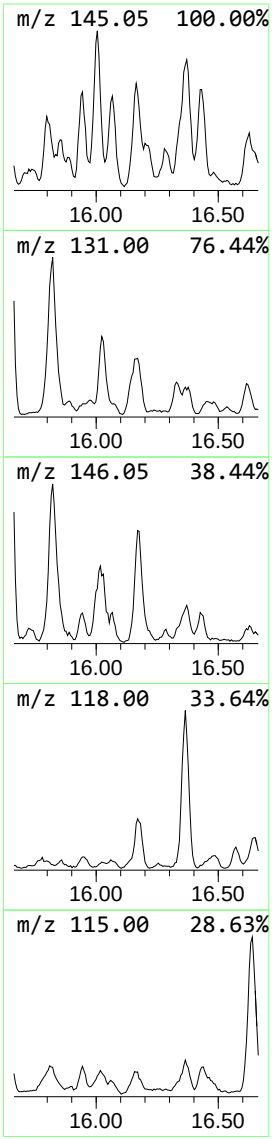
****

Peak Number 61 unknown-06 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.163	16.53 ug/L	255702	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	45
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	43
3	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	41
4	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	41
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

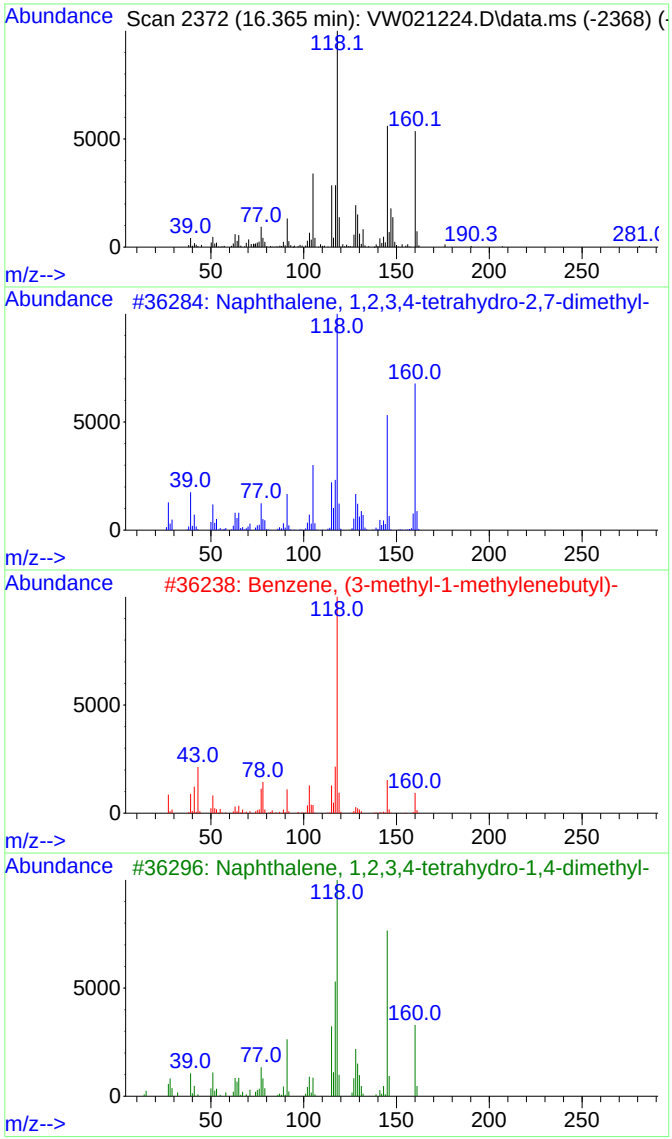
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

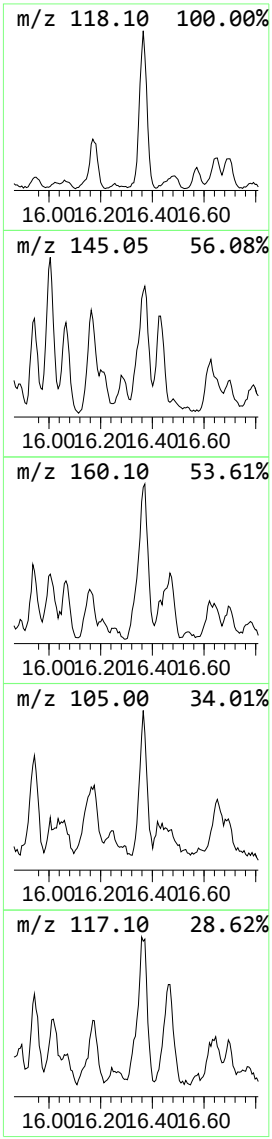
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 62 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.365	12.77 ug/L	197547	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	93
2	Benzene, (3-methyl-1-methylenebu...	160	C12H16	038212-14-5	76
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	72
4	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	64
5	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

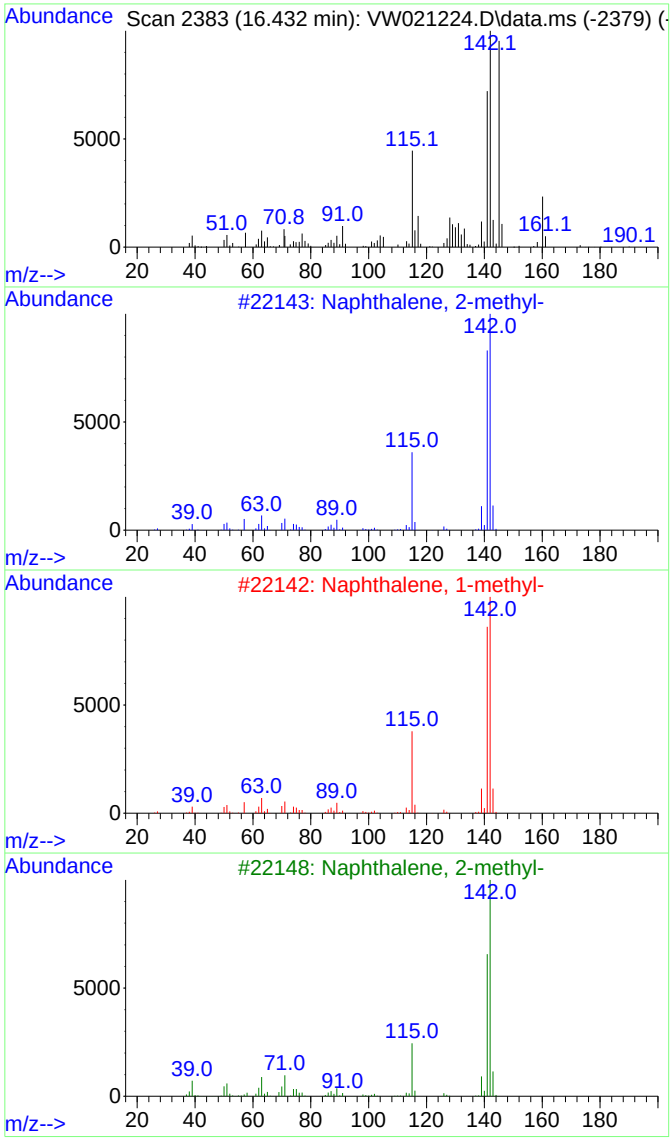
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

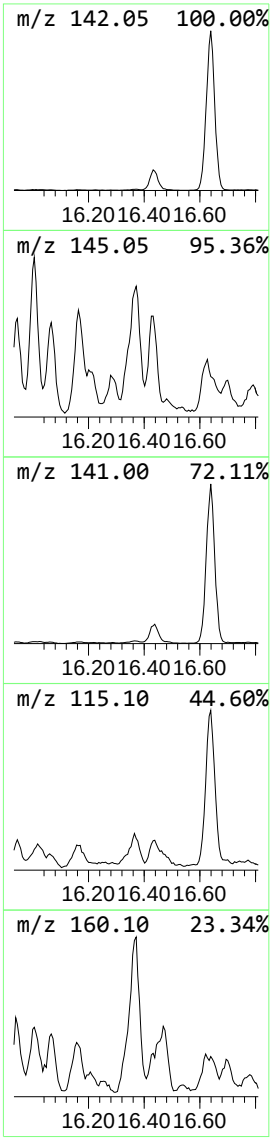
****

Peak Number 63 Benzocycloheptatriene Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.432	6.09 ug/L	94271	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	89
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	70
5	Benzocycloheptatriene	142	C11H10	000264-09-5	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

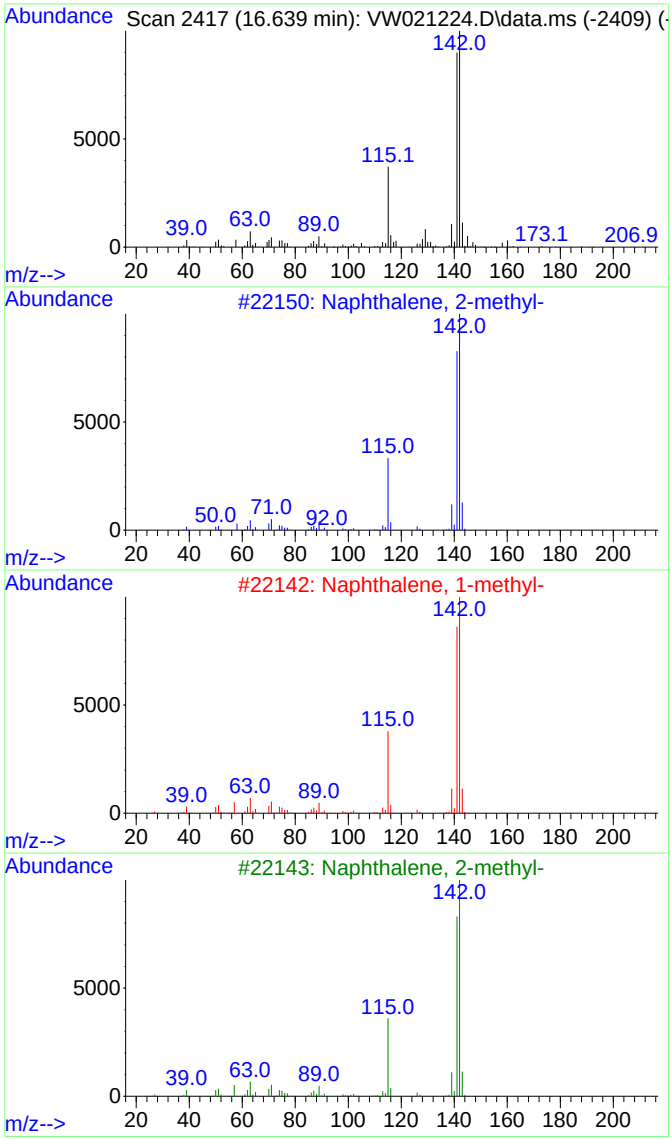
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0

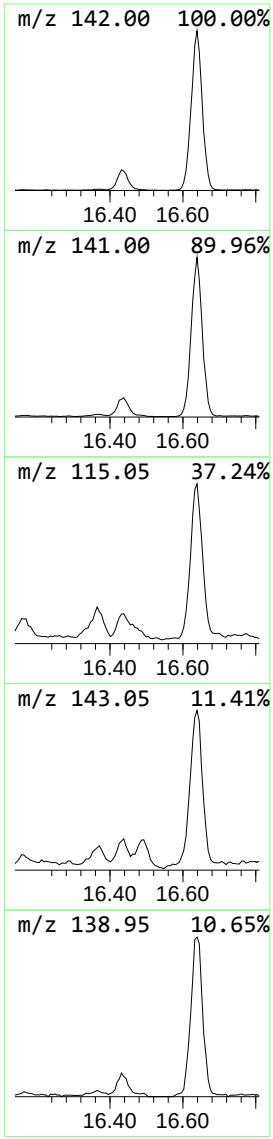
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 64 1,4-Methanonaphthalene, 1,4... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.639	38.94 ug/L	602386	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
Data File : VW021224.D
Acq On : 08 Dec 2021 12:54
Operator : SY/VA
Sample : M4960-05
Misc : 6.85g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGKS0

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.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	2.501	2.8	ug/L	28646	1	8.842	259336	25.0
Hexyl isobutyl ...	6.720	1.6	ug/L	16525	1	8.842	259336	25.0
(DEL) Alkane: S...	6.879	4.7	ug/L	48561	1	8.842	259336	25.0
(DEL) Alkane: S...	7.921	17.9	ug/L	186193	1	8.842	259336	25.0
(DEL) Alkane: S...	8.031	9.0	ug/L	93234	1	8.842	259336	25.0
(DEL) Alkane: S...	8.153	26.2	ug/L	271458	1	8.842	259336	25.0
(DEL) Alkane: S...	8.421	3.1	ug/L	32699	1	8.842	259336	25.0
(DEL) Alkane: S...	8.476	13.7	ug/L	142523	1	8.842	259336	25.0
(DEL) Alkane: S...	9.073	11.7	ug/L	121480	1	8.842	259336	25.0
(DEL) Alkane: S...	9.384	5.5	ug/L	56808	1	8.842	259336	25.0
(DEL) Alkane: C...	9.610	3.6	ug/L	37350	1	8.842	259336	25.0
(DEL) Alkane: S...	9.756	10.1	ug/L	105227	1	8.842	259336	25.0
(DEL) Alkane: S...	9.896	13.6	ug/L	140814	1	8.842	259336	25.0
(DEL) Alkane: S...	9.957	3.5	ug/L	36056	1	8.842	259336	25.0
(DEL) Alkane: S...	9.988	5.0	ug/L	52187	1	8.842	259336	25.0
(DEL) Alkane: S...	10.098	17.6	ug/L	183099	1	8.842	259336	25.0
(DEL) Alkane: S...	10.250	3.6	ug/L	66383	2	11.634	463879	25.0
(DEL) Alkane: C...	10.488	3.9	ug/L	71448	2	11.634	463879	25.0
(DEL) Alkane: C...	10.665	4.4	ug/L	81573	2	11.634	463879	25.0
(DEL) Alkane: C...	10.762	6.2	ug/L	115036	2	11.634	463879	25.0
unknown-01	10.847	4.2	ug/L	76998	2	11.634	463879	25.0
(DEL) Alkane: C...	10.994	4.4	ug/L	81995	2	11.634	463879	25.0
(DEL) Alkane: C...	11.110	5.6	ug/L	104094	2	11.634	463879	25.0
(DEL) Alkane: C...	11.183	13.7	ug/L	254474	2	11.634	463879	25.0
(DEL) Alkane: C...	11.232	10.1	ug/L	187332	2	11.634	463879	25.0
(DEL) Alkane: S...	11.274	9.4	ug/L	174124	2	11.634	463879	25.0
(DEL) Alkane: S...	11.335	5.5	ug/L	102367	2	11.634	463879	25.0
(DEL) Alkane: S...	11.408	4.5	ug/L	82628	2	11.634	463879	25.0
(DEL) Alkane: S...	11.512	16.4	ug/L	304266	2	11.634	463879	25.0
(DEL) Alkane: C...	11.914	17.0	ug/L	314656	2	11.634	463879	25.0
(DEL) Alkane: S...	12.055	7.1	ug/L	131275	2	11.634	463879	25.0
(DEL) Alkane: S...	12.250	6.8	ug/L	126399	2	11.634	463879	25.0
(DEL) Alkane: C...	12.298	12.5	ug/L	231451	2	11.634	463879	25.0
Pentalene, octa...	12.341	11.7	ug/L	216388	2	11.634	463879	25.0
(DEL) Alkane: C...	12.384	31.4	ug/L	582874	2	11.634	463879	25.0
(DEL) Alkane: C...	12.780	35.6	ug/L	550570	3	13.560	386771	25.0
(DEL) Alkane: C...	12.859	13.8	ug/L	213647	3	13.560	386771	25.0
(DEL) Alkane: S...	13.079	12.3	ug/L	189606	3	13.560	386771	25.0
(DEL) Alkane: S...	13.164	25.9	ug/L	400122	3	13.560	386771	25.0
Benzene, 1-meth...	14.200	14.9	ug/L	230536	3	13.560	386771	25.0
Adamantane	14.255	32.8	ug/L	507891	3	13.560	386771	25.0
Naphthalene, de...	14.329	7.0	ug/L	107711	3	13.560	386771	25.0
unknown-02	14.383	19.0	ug/L	294171	3	13.560	386771	25.0
Benzene, 1,2,4,...	14.414	27.4	ug/L	423692	3	13.560	386771	25.0
Benzene, 1,3-di...	14.499	6.5	ug/L	100884	3	13.560	386771	25.0
unknown-03	14.633	26.0	ug/L	401611	3	13.560	386771	25.0
Benzene, 1-ethy...	14.725	15.5	ug/L	239146	3	13.560	386771	25.0
Benzene, 1-meth...	14.816	18.0	ug/L	278206	3	13.560	386771	25.0
Benzene, 1,3,5-...	14.871	4.9	ug/L	75897	3	13.560	386771	25.0
Benzene, (1-met...	15.017	17.6	ug/L	271726	3	13.560	386771	25.0
unknown-04	15.060	12.8	ug/L	197428	3	13.560	386771	25.0
Naphthalene, 1,...	15.267	3.9	ug/L	60141	3	13.560	386771	25.0

Azulene	15.359	92.8	ug/L	1435090	3	13.560	386771	25.0
2(1H)-Naphthale...	15.414	4.9	ug/L	76439	3	13.560	386771	25.0
unknown-05	15.462	6.8	ug/L	105371	3	13.560	386771	25.0
1H-Indene, 2,3-...	15.651	22.1	ug/L	342120	3	13.560	386771	25.0
1H-Indene, 2,3-...	15.810	18.9	ug/L	292670	3	13.560	386771	25.0
Benzene, 2,4-di...	15.944	11.6	ug/L	179609	3	13.560	386771	25.0
unknown-06	16.163	16.5	ug/L	255702	3	13.560	386771	25.0
Naphthalene, 1,...	16.365	12.8	ug/L	197547	3	13.560	386771	25.0
Benzocyclohepta...	16.432	6.1	ug/L	94271	3	13.560	386771	25.0
1,4-Methanonaph...	16.639	38.9	ug/L	602386	3	13.560	386771	25.0

Instrument :
MSVOA_W
ClientSampleId :
BGKS0