LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

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

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

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

Signal : TIC: VW021551.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.989	11	14	18	rVB	2681	4123	0.65%	0.050%
2	2.148	38	40	42	rBV2	360	431	0.07%	0.005%
3	2.251	56	57	59	rBV	323	206	0.03%	0.003%
4	2.355	66	74	81	rVB	41998	70505	11.04%	0.863%
5	2.495	92	97	109	rVB	3511	6700	1.05%	0.082%
6	2.806	144	148	149	rBV2	379	405	0.06%	0.005%
7	2.885	154	161	174	rVB	23950	49371	7.73%	0.604%
8	3.099	194	196	199	rVB2	258	245	0.04%	0.003%
9	3.391	239	244	250	rVB	247	349	0.05%	0.004%
10	4.019	336	347	359	rBV	60471	168409	26.37%	2.061%
11	4.123	359	364	373	rVV2	2322	6383	1.00%	0.078%
12	4.391	399	408	418	rBB2	2422	7529	1.18%	0.092%
13	4.915	483	494	510	rBV3	9414	32559	5.10%	0.398%
14	5.391	568	572	573	rBV3	146	184	0.03%	0.002%
15	5.440	573	580	588	rVV6	1027	3016	0.47%	0.037%
16	5.659	612	616	617	rBV2	137	183	0.03%	0.002%
17	5.793	630	638	646	rVV3	816	2431	0.38%	0.030%
18	5.940	655	662	670	rBB3	1562	3967	0.62%	0.049%
19	6.885	812	817	818	rBV3	412	613	0.10%	0.008%
20	6.909	818	821	823	rVB3	526	632	0.10%	0.008%
21	6.988	829	834	840	rVB	930	1933	0.30%	0.024%
22	7.073	840	848	861	rBV	10411	29960	4.69%	0.367%
23	7.262	877	879	881	rVV	234	234	0.04%	0.003%
24	7.653	932	943	956	rBB	86398	214840	33.64%	2.629%
25	7.927	980	988	999	rBB3	1604	4035	0.63%	0.049%
26	8.037	1000	1006	1011	rBB3	780	1600	0.25%	0.020%
27	8.153	1019	1025	1035	rBB4	3669	7974	1.25%	0.098%
28	8.274	1035	1045	1063	rBV2	167471	493064	77.21%	6.034%
29	8.415	1065	1068	1070	rBV3	864	1206	0.19%	0.015%
30	8.476	1075	1078	1086	rVV5	2478	6681	1.05%	0.082%
31	8.573	1090	1094	1100	rVB	616	1069	0.17%	0.013%
32	8.695	1110	1114	1115	rBV	251	216	0.03%	0.003%
33	8.841	1130	1138	1151	rBB	172949	341884	53.54%	4.184%
34	9.073	1171	1176	1181	rBB3	1178	2395	0.38%	0.029%
35	9.146	1182	1188	1194	rBB3	513	882	0.14%	0.011%
36	9.274	1200	1209	1217	rBV	114195	229355	35.92%	2.807%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

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

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

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

37	9.384	1223	1227	1237	rVB4	2736	6027	0.94%	0.074%
38	9.469	1237	1241	1244	rBB	310	448	0.07%	0.005%
39	9.530	1246	1251	1256	rBV3	817	1533	0.24%	0.019%
40	9.585	1256	1260	1261	rBV4	651	983	0.15%	0.012%
41	9.677	1273	1275	1278	rBB	170	204	0.03%	0.002%
42	9.756	1282	1288	1295	rBB4	2959	5923	0.93%	0.072%
43	9.896	1305	1311	1316	rVV3	5313	10204	1.60%	0.125%
44	9.988	1316	1326	1328	rVV4	3266	7164	1.12%	0.088%
45	10.036	1328	1334	1340	rVV	58512	105232	16.48%	1.288%
46	10.091	1340	1343	1355	rVB5	5050	13113	2.05%	0.160%
47	10.250	1359	1369	1374	rBV2	7083	13016	2.04%	0.159%
48	10.323	1374	1381	1388	rBV	259157	461851	72.33%	5.652%
49	10.384	1389	1391	1396	rVB2	2619	3450	0.54%	0.042%
50	10.500	1404	1410	1417	rVB6	1849	4962	0.78%	0.061%
51	10.579	1417	1423	1433	rBV	37080	64425	10.09%	0.788%
52	10.664	1433	1437	1441	rBV3	3582	5951	0.93%	0.073%
53	10.768	1446	1454	1457	rBV6	3504	7574	1.19%	0.093%
54	10.847	1462	1467	1472	rVB	8665	15052	2.36%	0.184%
55	10.926	1472	1480	1487	rBV2	54895	106561	16.69%	1.304%
56	11.000	1488	1492	1493	rVV3	5902	8447	1.32%	0.103%
57	11.036	1494	1498	1506	rVB2	16985	35424	5.55%	0.434%
58	11.109	1506	1510	1517	rBV3	7201	14022	2.20%	0.172%
59	11.189	1518	1523	1525	rBV4	5679	9792	1.53%	0.120%
60	11.225	1525	1529	1533	rVV3	10361	20169	3.16%	0.247%
61	11.274	1534	1537	1542	rVV5	8624	16833	2.64%	0.206%
62	11.341	1543	1548	1551	rVV	26164	45465	7.12%	0.556%
63	11.402	1551	1558	1570	rVB4	37794	116608	18.26%	1.427%
64	11.512	1570	1576	1586	rVB	55426	96764	15.15%	1.184%
65	11.628	1586	1595	1602	rBV	250801	451954	70.78%	5.531%
66	11.695	1603	1606	1608	rBV2	5094	6486	1.02%	0.079%
67	11.725	1608	1611	1615	rVB	10586	14659	2.30%	0.179%
68	11.823	1620	1627	1631	rVV4	25256	61158	9.58%	0.748%
69	11.871	1631	1635	1639	rVV2	50124	84039	13.16%	1.028%
70	11.914	1639	1642	1648	rVB2	25035	40701	6.37%	0.498%
71	11.981	1648	1653	1654	rBV4	5798	9410	1.47%	0.115%
72	12.060	1661	1666	1671	rBV2	24327	39748	6.22%	0.486%
73	12.134	1671	1678	1690	rBV6	63816	183620	28.76%	2.247%
74	12.249	1693	1697	1702	rVB2	74245	114366	17.91%	1.400%
75	12.335	1702	1711	1712	rBV4	45675	101681	15.92%	1.244%
76	12.365	1713	1716	1717	rBV2	28025	33335	5.22%	0.408%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

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

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

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

77	12.499	1735	1738	1741	rBV3	32605	53538	8.38%	0.655%
78	12.591	1749	1753	1760	rVB3	40937	79632	12.47%	0.975%
79	12.694	1765	1770	1775	rVV	87675	147493	23.10%	1.805%
80	12.780	1780	1784	1790	rVB3	127722	233690	36.60%	2.860%
81	12.859	1790	1797	1801	rBV5	56418	132890	20.81%	1.626%
82	12.938	1804	1810	1815	rVV7	100510	210220	32.92%	2.573%
83	13.079	1829	1833	1837	rBV3	54097	80472	12.60%	0.985%
84	13.121	1837	1840	1843	rVV2	46890	70979	11.12%	0.869%
85	13.164	1843	1847	1855	rVB2	121362	223737	35.04%	2.738%
86	13.292	1865	1868	1872	rBV	45889	62230	9.75%	0.762%
87	13.408	1884	1887	1890	rBV2	55730	84802	13.28%	1.038%
88	13.554	1907	1911	1915	rBV	251587	380213	59.54%	4.653%
89	13.853	1954	1960	1968	rBV2	239227	638561	100.00%	7.814%
90	14.200	2012	2017	2022	rBV3	41897	77575	12.15%	0.949%
91	14.261	2023	2027	2033	rVB7	25923	52556	8.23%	0.643%
92	14.383	2043	2047	2050	rBV2	59436	91392	14.31%	1.118%
93	14.493	2062	2065	2071	rBV3	25748	60851	9.53%	0.745%
94	14.639	2086	2089	2093	rVB	27429	37127	5.81%	0.454%
95	14.786	2109	2113	2115	rBV2	28519	47833	7.49%	0.585%
96	15.365	2197	2208	2213	rBV	188805	384830	60.27%	4.709%
97	15.651	2248	2255	2261	rBV7	20525	60446	9.47%	0.740%
98	15.724	2264	2267	2271	rVB2	14632	21359	3.34%	0.261%
99	16.438	2377	2384	2400	rVB	178081	469463	73.52%	5.745%
100	16.639	2409	2417	2428	rVB	184929	435717	68.23%	5.332%

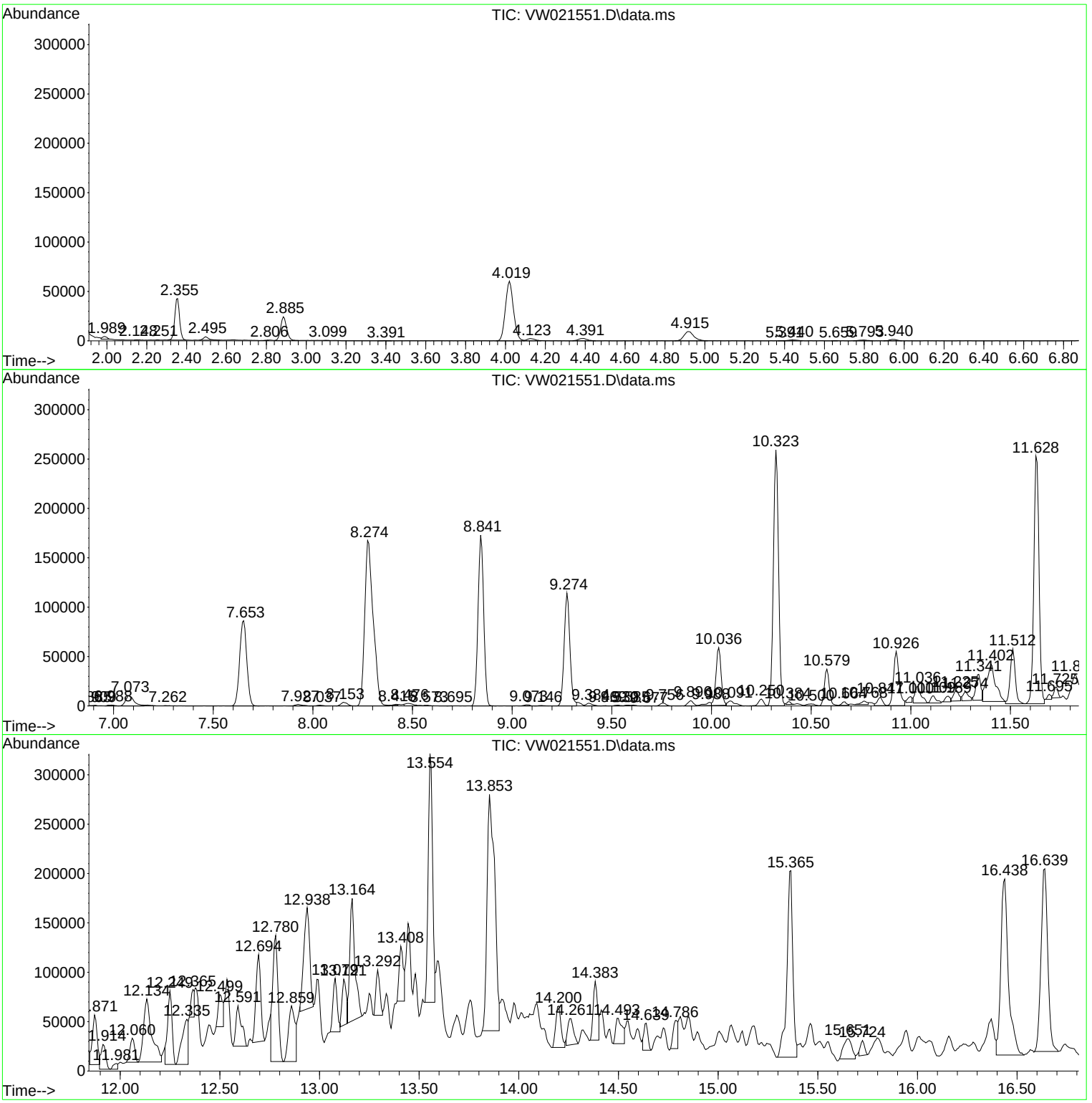
Sum of corrected areas: 8171529

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

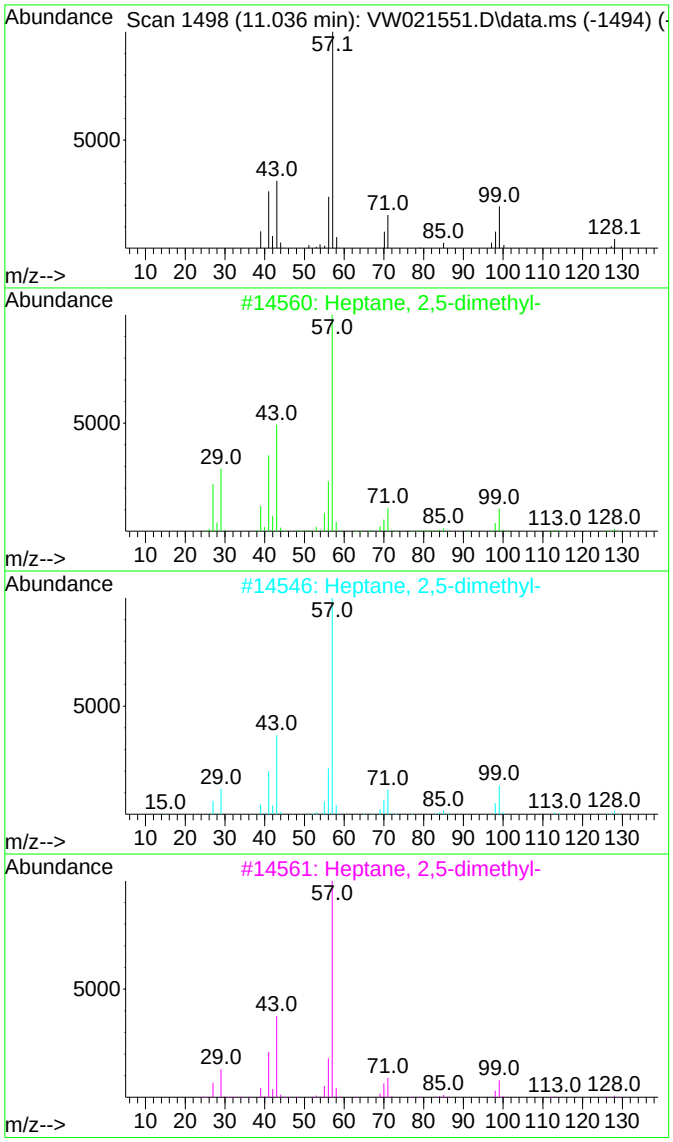
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

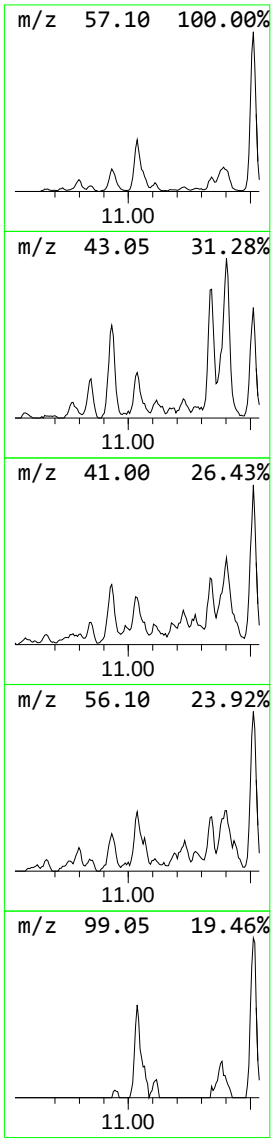
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.036	1.96 ug/L	35424	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	78
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	78
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
4	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	59
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

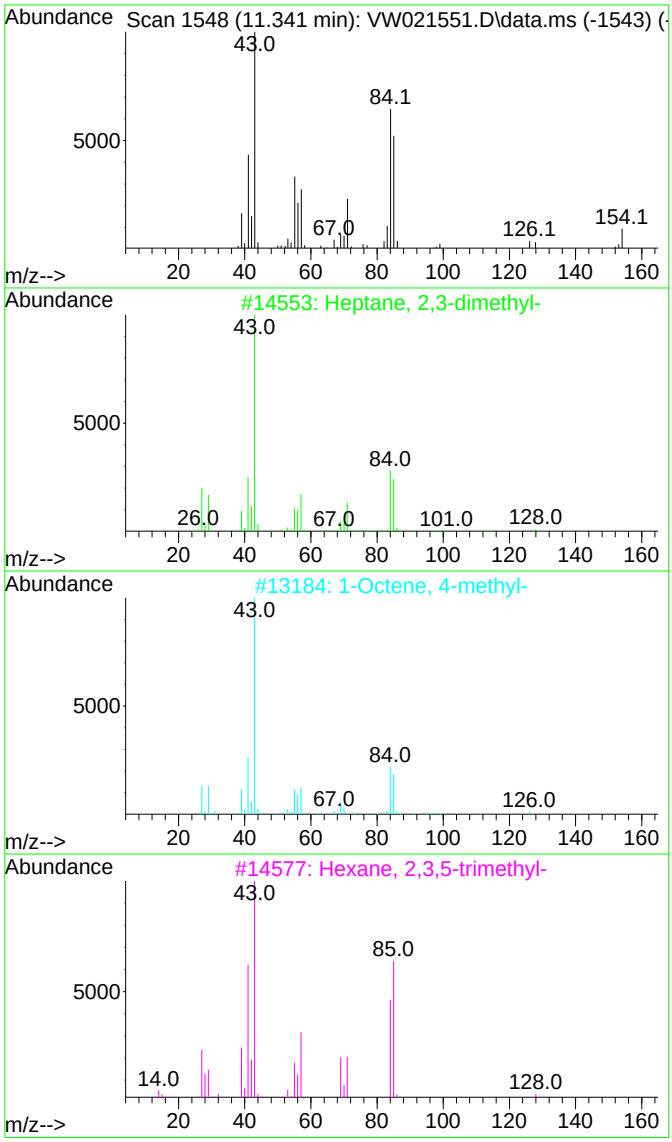
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

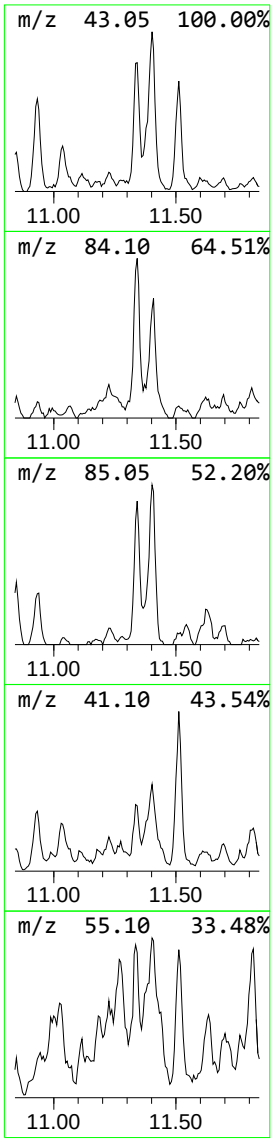
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.341	2.51 ug/L	45465	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	58
2	1-Octene, 4-methyl-	126	C9H18	013151-12-7	58
3	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	53
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	47
5	Octane	114	C8H18	000111-65-9	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

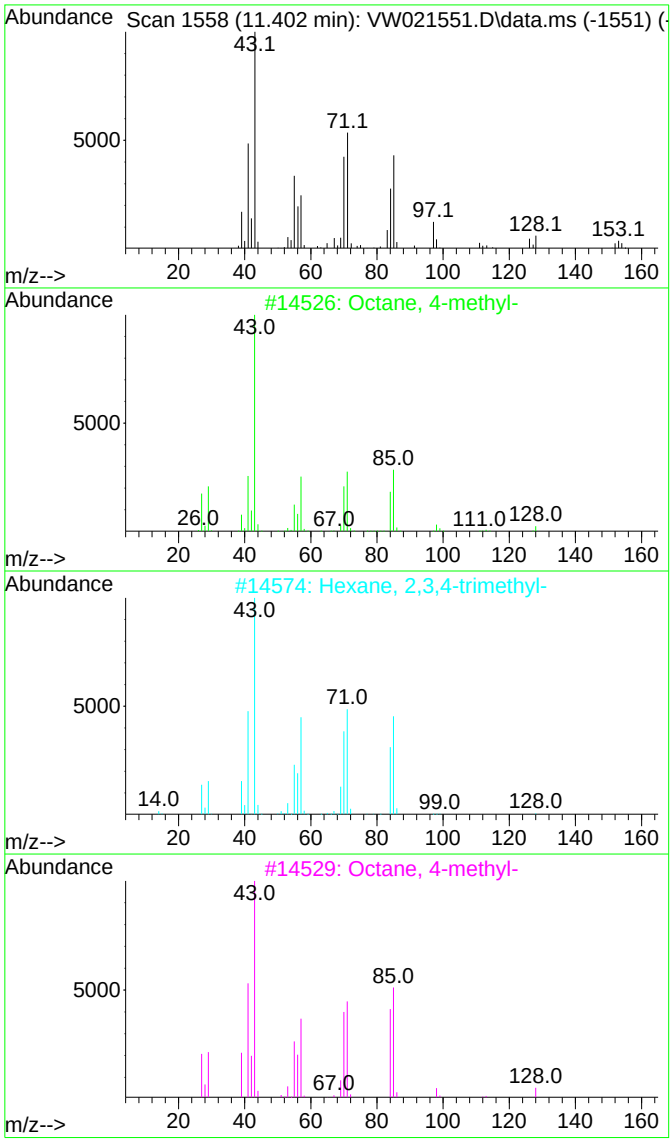
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

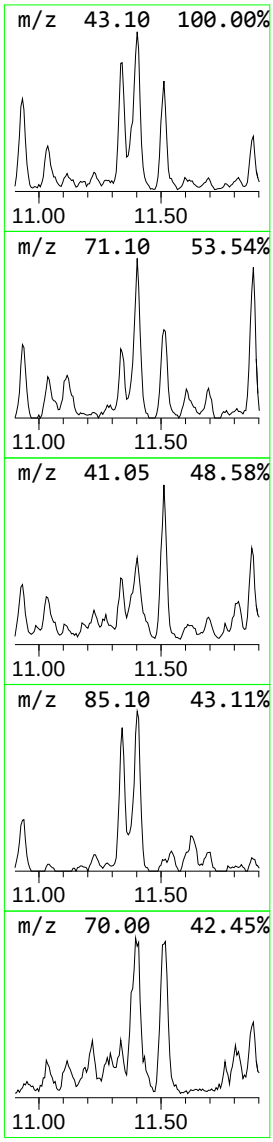
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.402	6.45 ug/L	116608	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	83
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	80
3	Octane, 4-methyl-	128	C9H20	002216-34-4	64
4	Octane, 4-methyl-	128	C9H20	002216-34-4	64
5	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

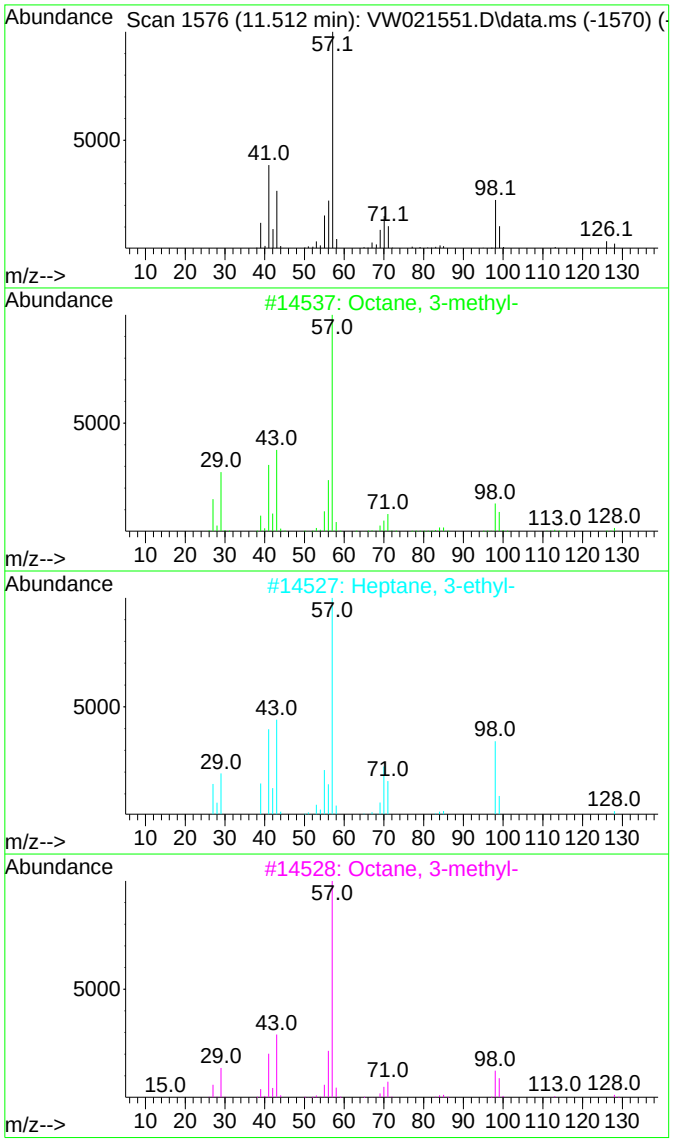
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

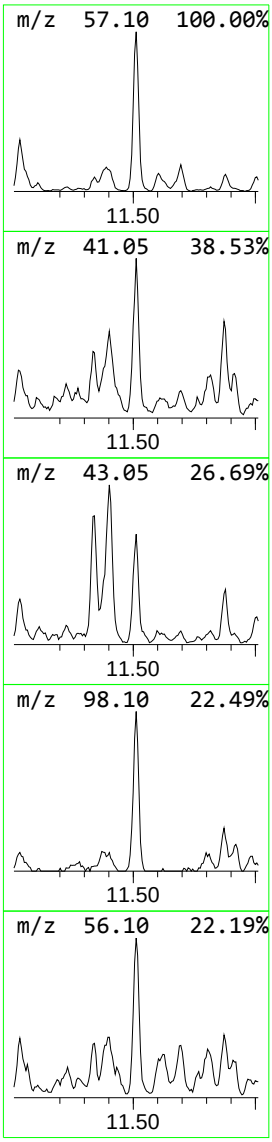
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	5.35 ug/L	96764	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	72
2	Heptane, 3-ethyl-	128	C9H20	015869-80-4	70
3	Octane, 3-methyl-	128	C9H20	002216-33-3	64
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
5	Heptane, 4-propyl-	142	C10H22	003178-29-8	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

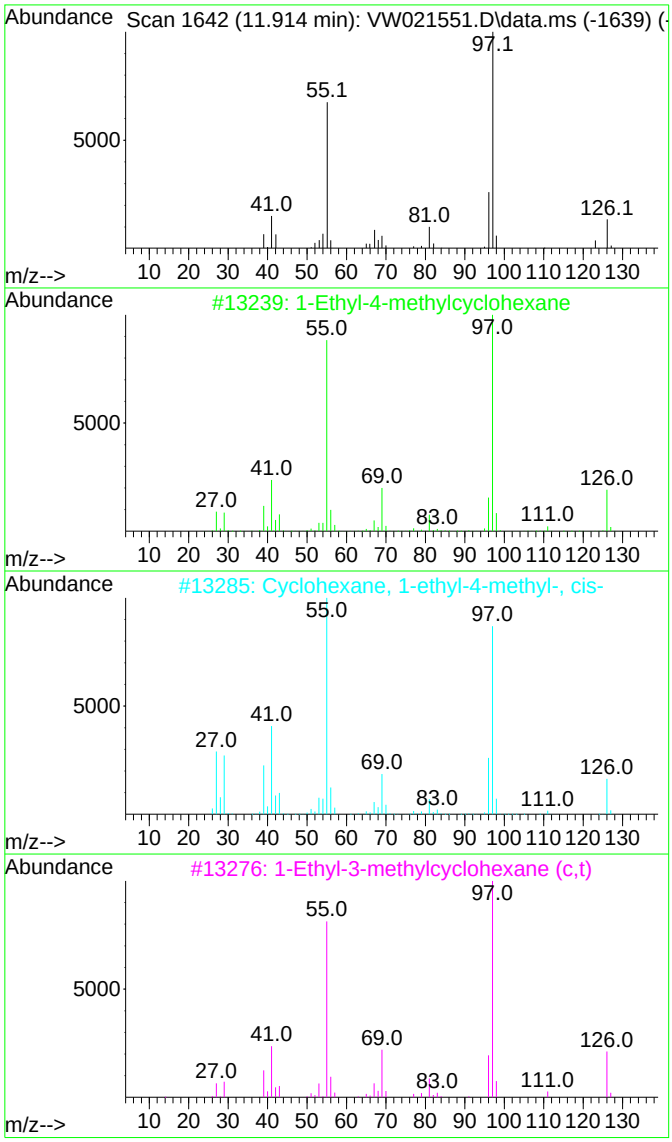
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

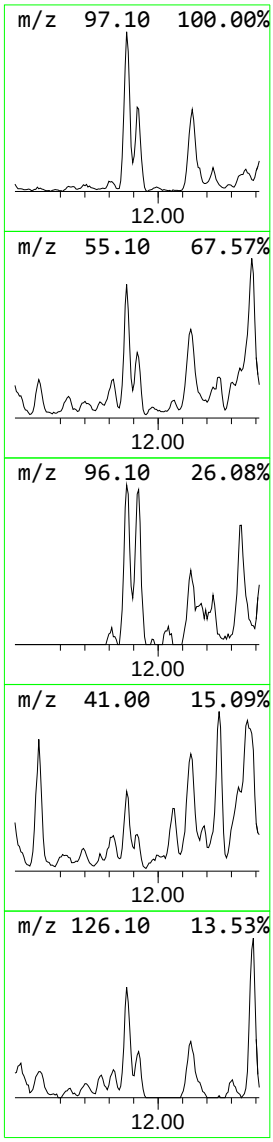
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic11.914 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.914	2.25 ug/L	40701	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72
3	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	64
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64
5	Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

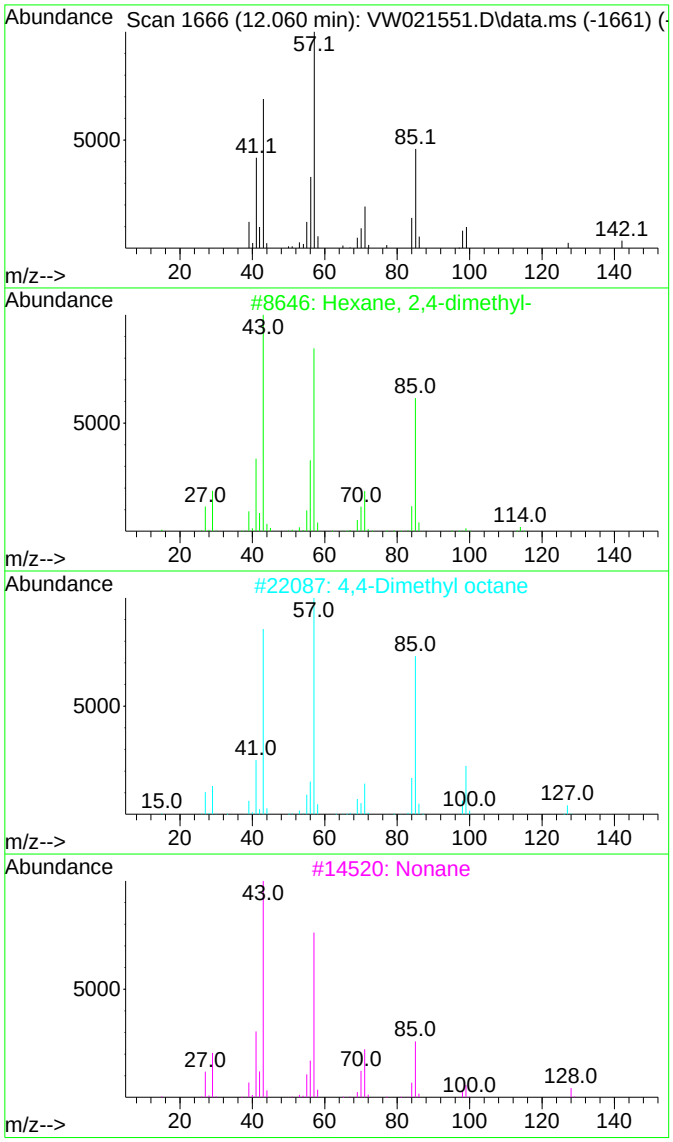
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

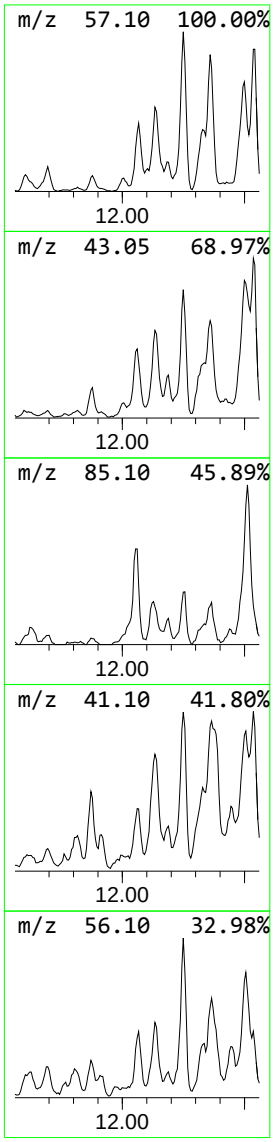
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.060	2.20 ug/L	39748	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
2	4,4-Dimethyl octane	142	C10H22	015869-95-1	59
3	Nonane	128	C9H20	000111-84-2	59
4	Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	50
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

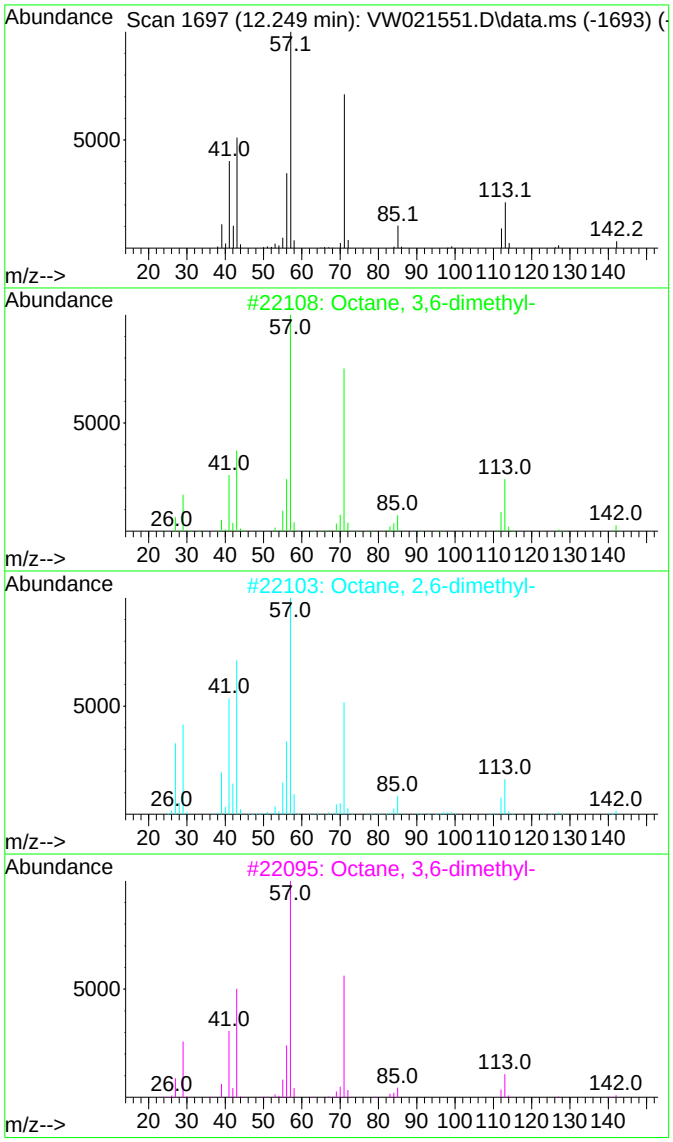
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

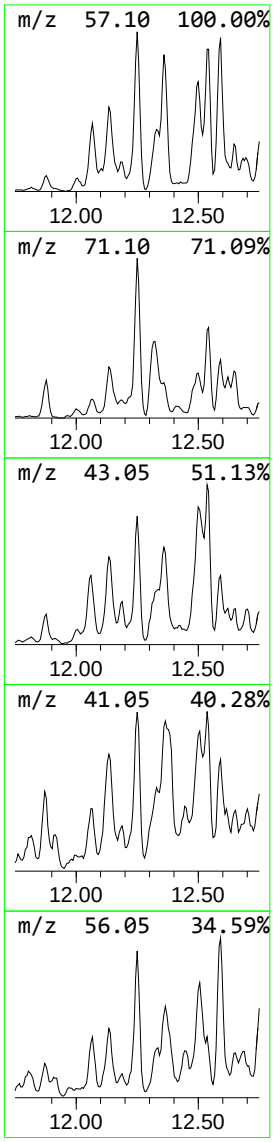
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.249	6.33 ug/L	114366	Chlorobenzene-d5	11.628

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	87
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64
5	Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

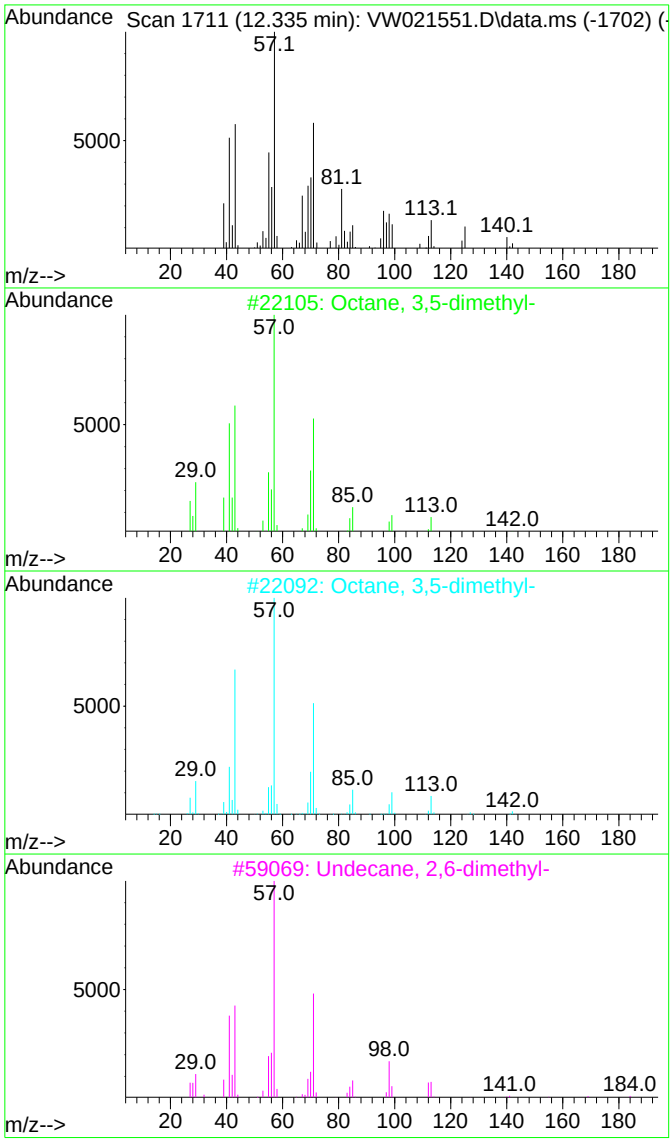
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

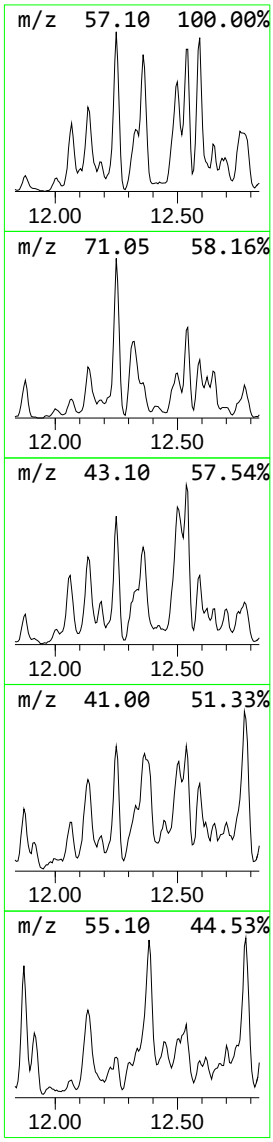
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.335	5.62 ug/L	101681	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	53
2	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	43
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	43
4	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	43
5	1,6-Octadiene, 3-ethoxy-3,7-dime...	182	C12H22O	072845-33-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

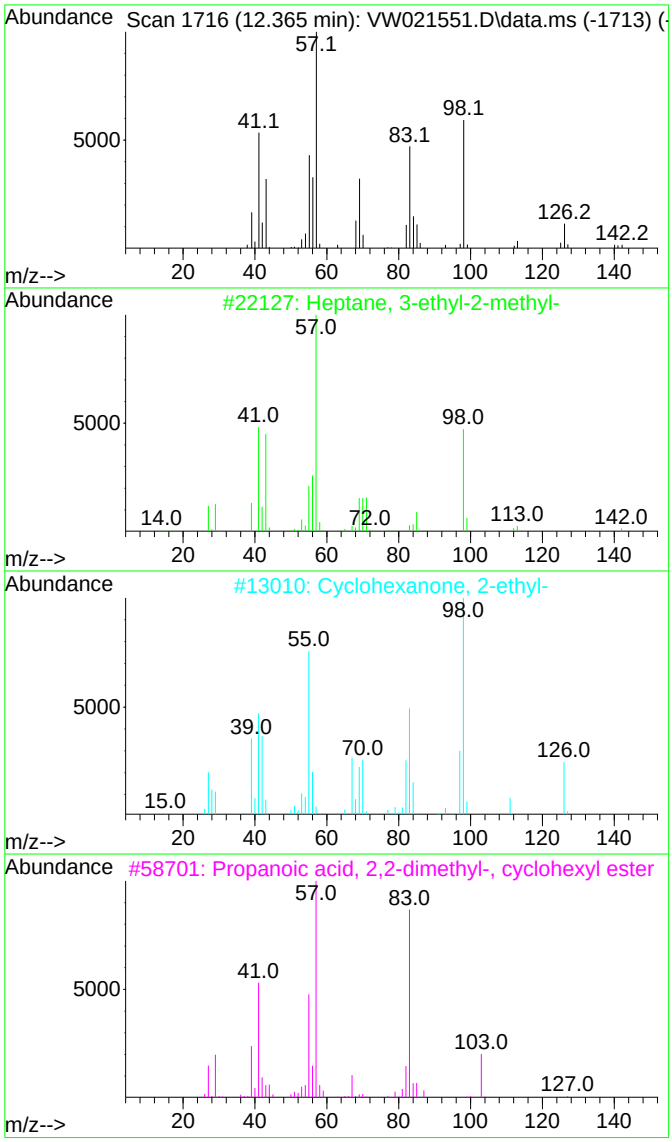
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

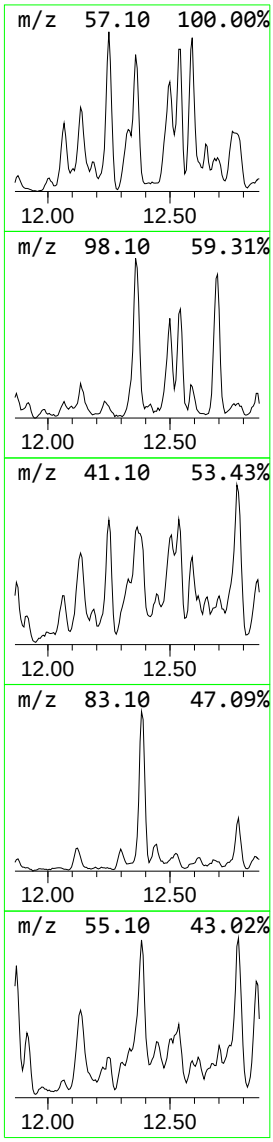
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.365	1.84 ug/L	33335	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	46
2	Cyclohexanone, 2-ethyl-	126	C8H14O	004423-94-3	32
3	Propanoic acid, 2,2-dimethyl-, c...	184	C11H20O2	029878-49-7	25
4	1-Propene, 1,1'-oxybis-, (Z,Z)-	98	C6H10O	004696-27-9	16
5	1-Propene, 1,1'-oxybis-, (E,Z)-	98	C6H10O	004696-29-1	16





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

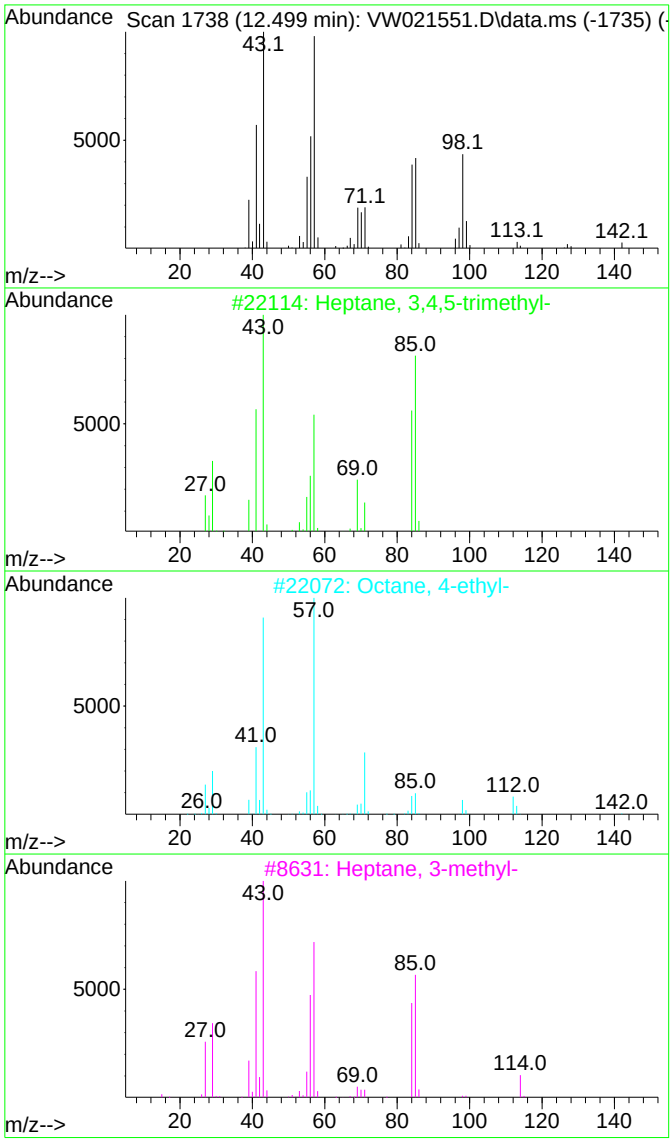
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

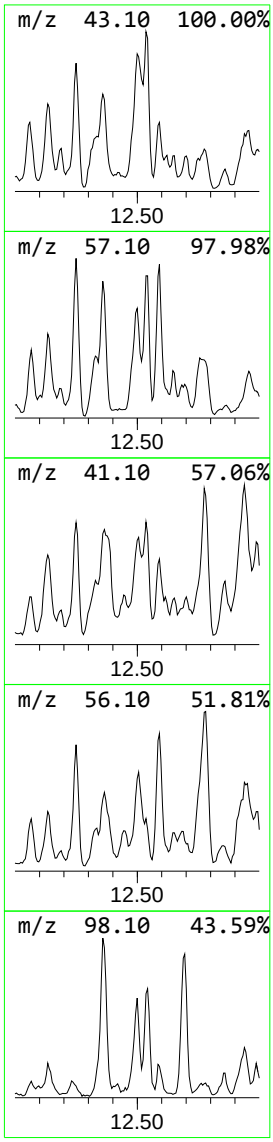
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.499	2.96 ug/L	53538	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	58
2	Octane, 4-ethyl-	142	C10H22	015869-86-0	50
3	Heptane, 3-methyl-	114	C8H18	000589-81-1	49
4	Heptane, 4-ethyl-	128	C9H20	002216-32-2	47
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

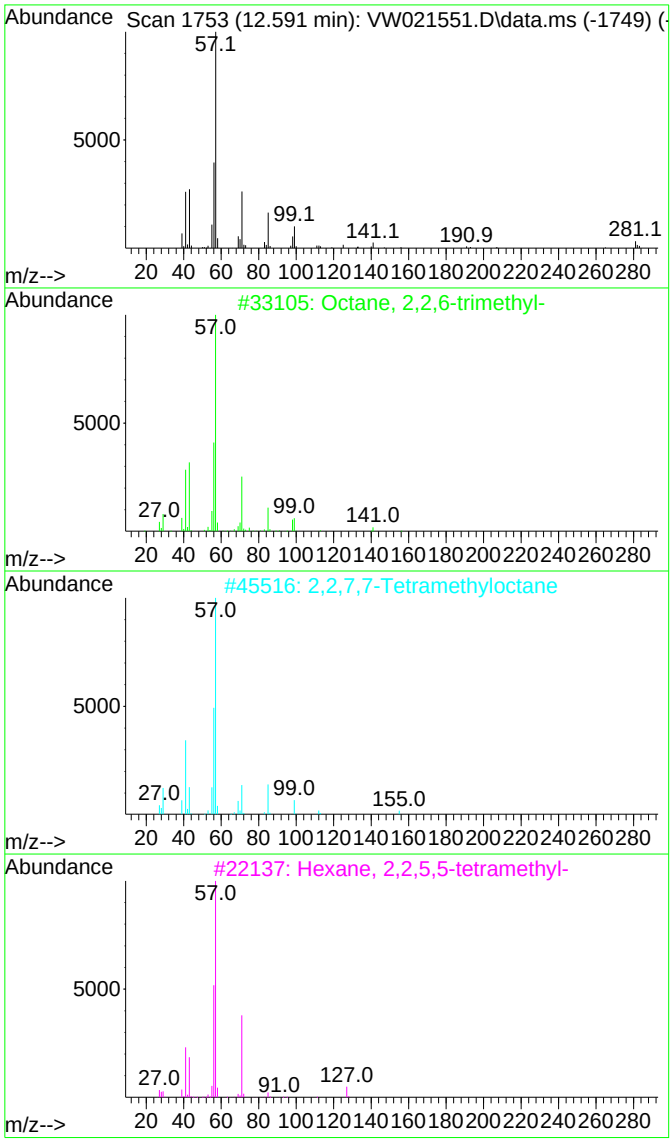
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

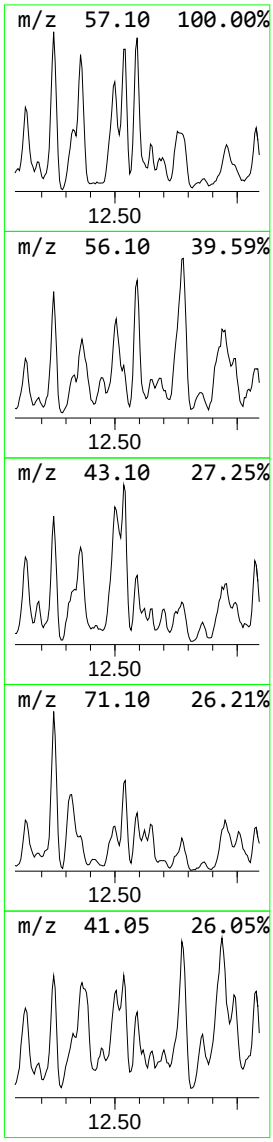
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.591	4.40 ug/L	79632	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	78
2	2,2,7,7-Tetramethyloctane	170	C12H26	001071-31-4	59
3	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	53
4	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	53
5	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

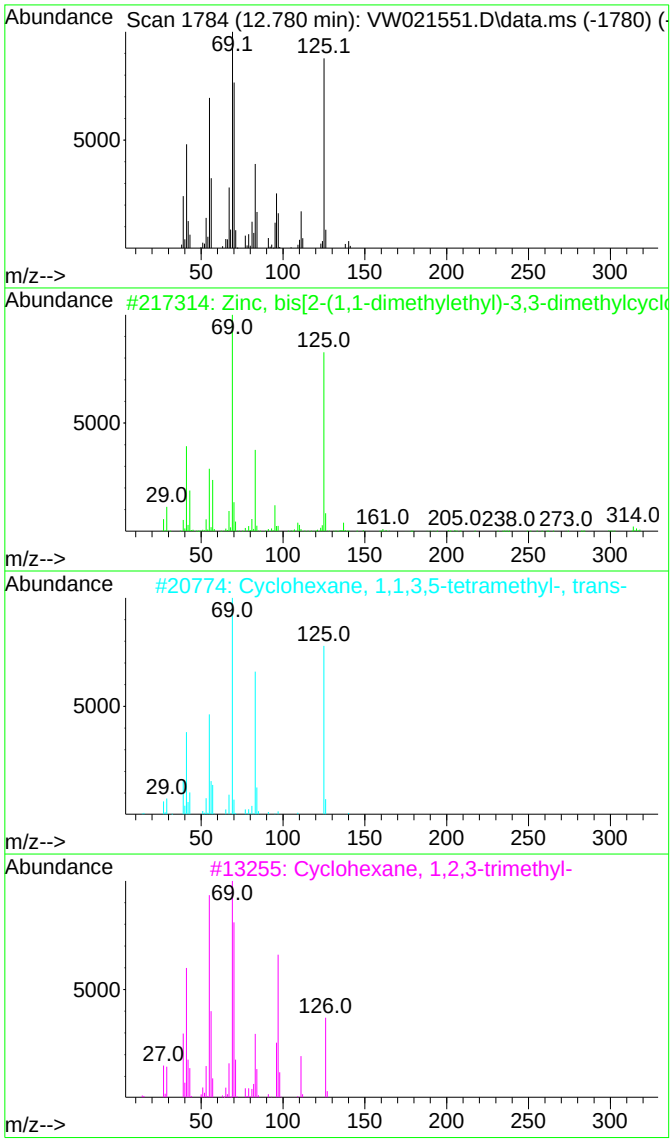
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

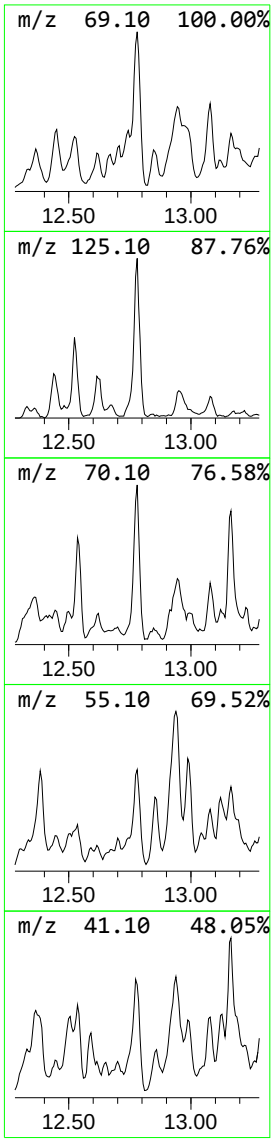
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Zinc, bis[2-(1,1-dimethylet... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	15.37 ug/L	233690	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Zinc, bis[2-(1,1-dimethylethyl)-...	314	C18H34Zn	074793-36-5	50
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	47
3	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	47
4	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	38
5	3-Heptene, 4-methyl-	112	C8H16	004485-16-9	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

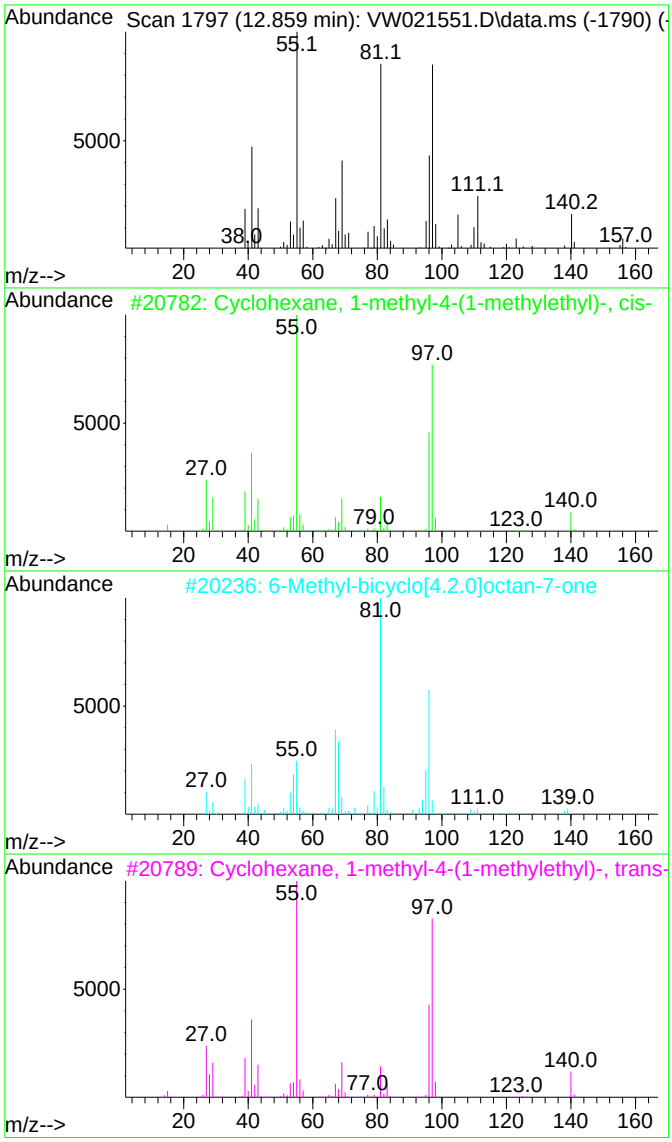
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

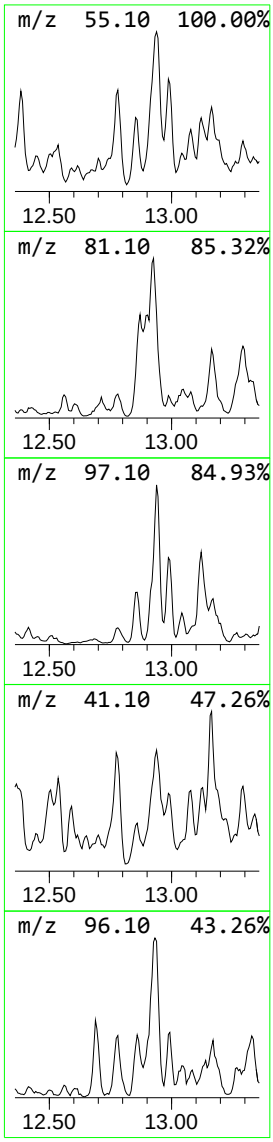
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Cyclic12.859 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	8.74 ug/L	132890	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	49
2	6-Methyl-bicyclo[4.2.0]octan-7-one	138	C9H14O	1010193-87-2	49
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	46
4	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	46
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

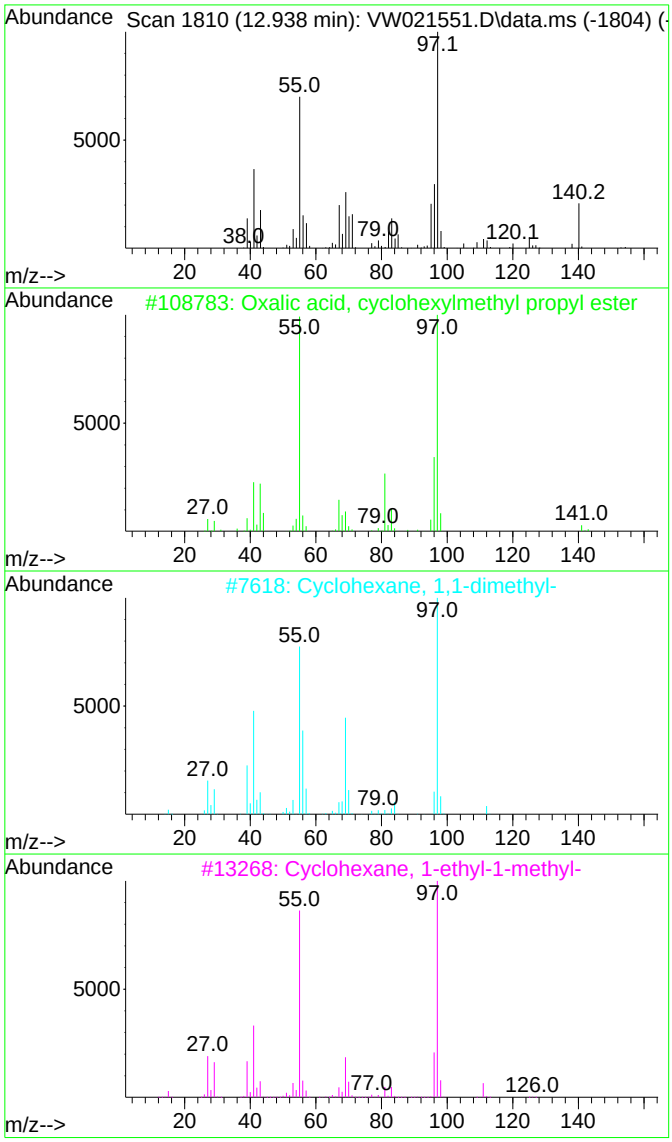
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

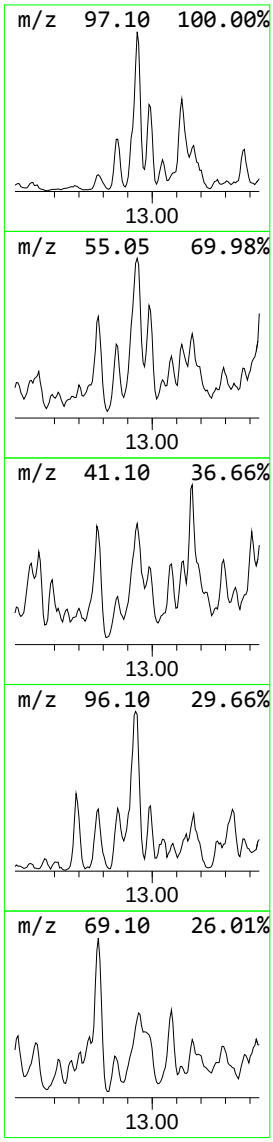
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Oxalic acid, cyclohexylmeth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.938	13.82 ug/L	210220	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	50
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	49
3	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	47
4	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	47
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

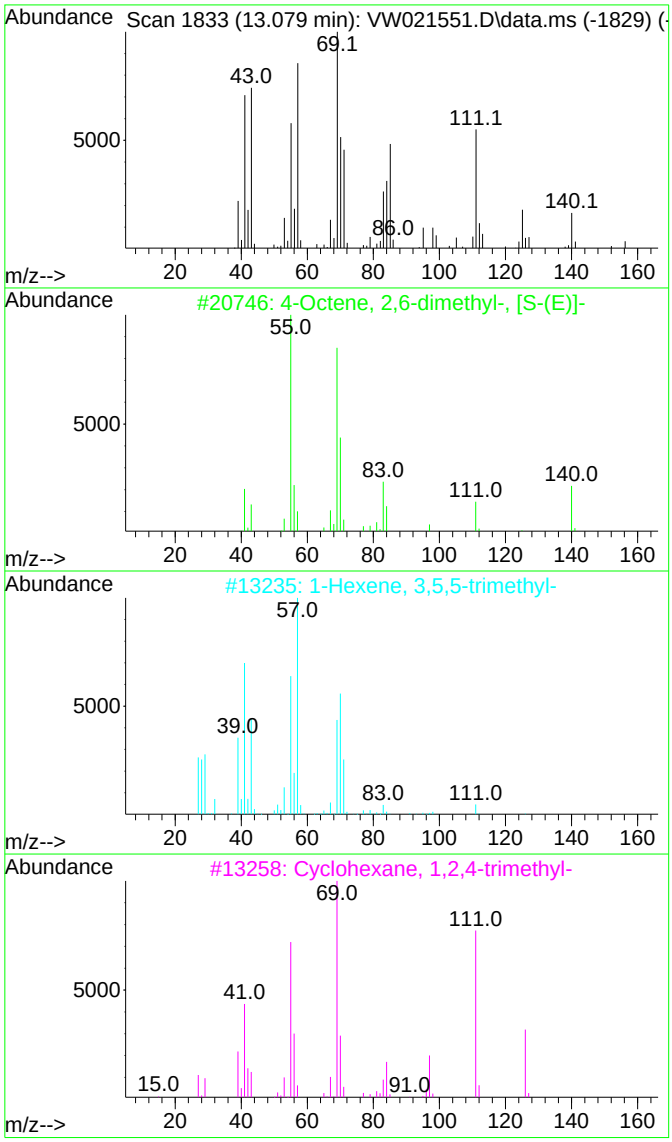
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

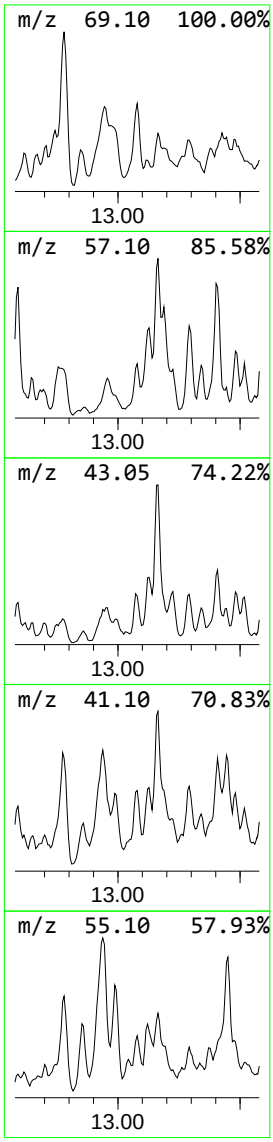
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.079	5.29 ug/L	80472	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	43
2	1-Hexene, 3,5,5-trimethyl-	126	C9H18	004316-65-8	43
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	38
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	38
5	2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

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

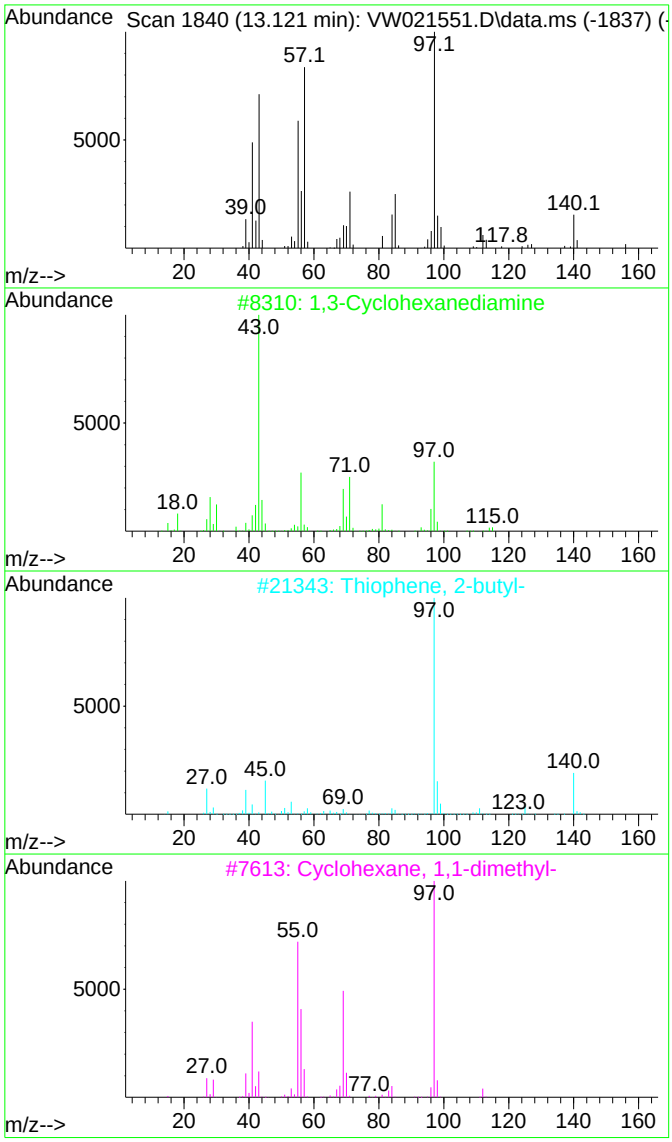
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

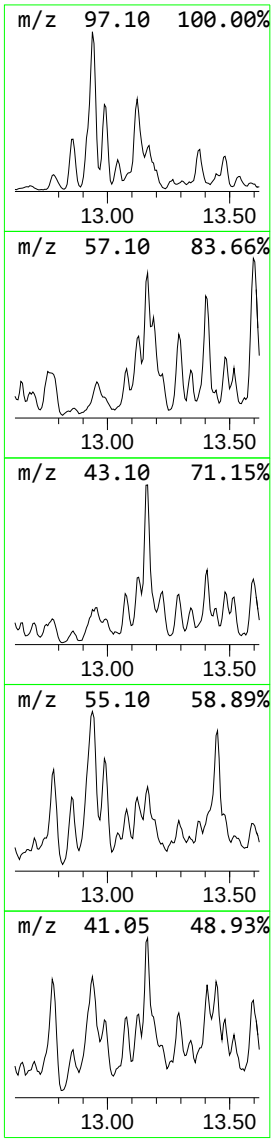
****

Peak Number 18 unknown-02 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.121	4.67 ug/L	70979	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclohexanediamine	114	C6H14N2	003385-21-5	47
2	Thiophene, 2-butyl-	140	C8H12S	001455-20-5	46
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	43
4	4-Hepten-3-one, 2,6-dimethyl-	140	C9H16O	056259-14-4	43
5	Decane, 5-methyl-	156	C11H24	013151-35-4	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

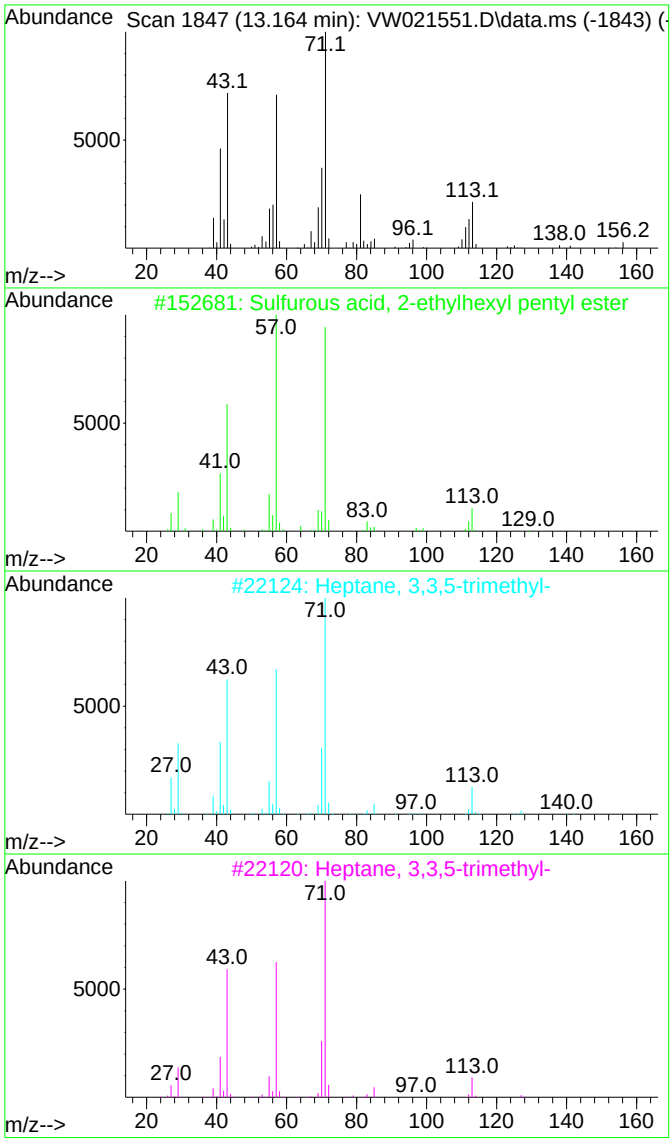
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

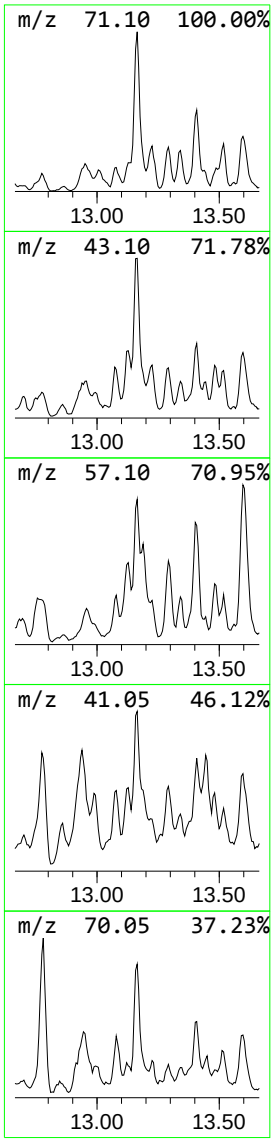
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Sulfurous acid, 2-ethylhexy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.164	14.71 ug/L	223737	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	53
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	50
3	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	50
4	4-(Methylamino)-1-thiane-1,1-dione	163	C6H13NO2S	1000444-06-6	50
5	4-Methyl-3-heptanol, pentafluoro...	276	C11H17F5O2	1000365-51-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

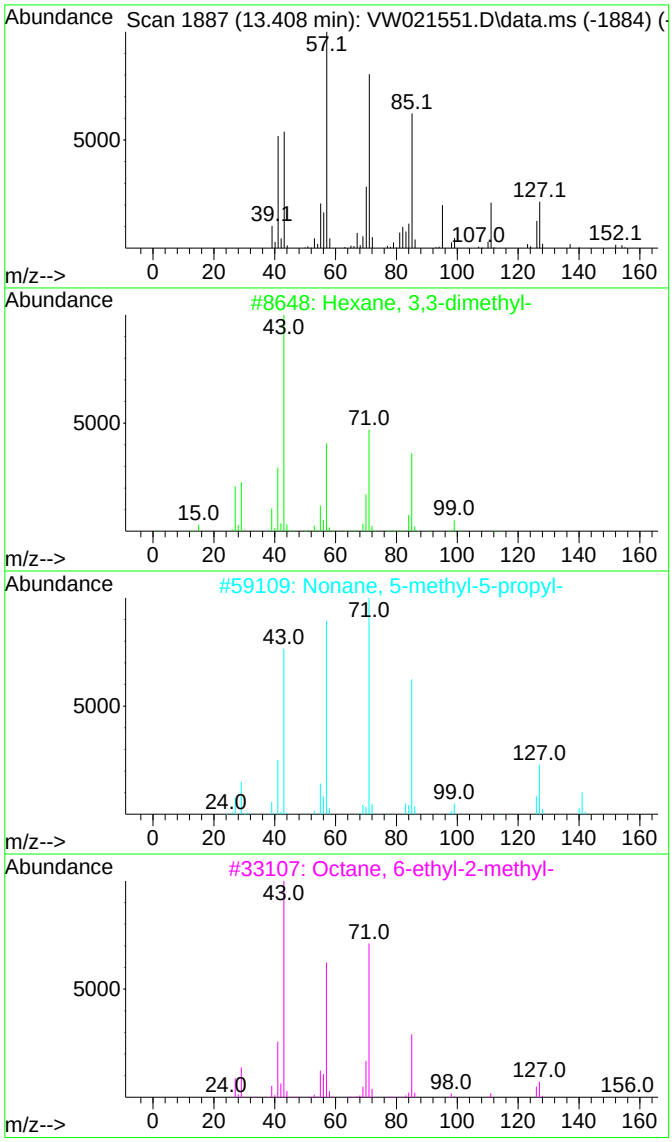
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

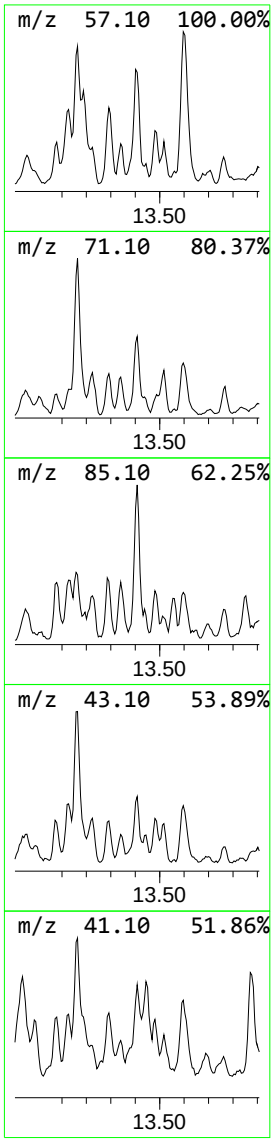
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.408	5.58 ug/L	84802	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50
2	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	50
3	Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	50
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	47
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

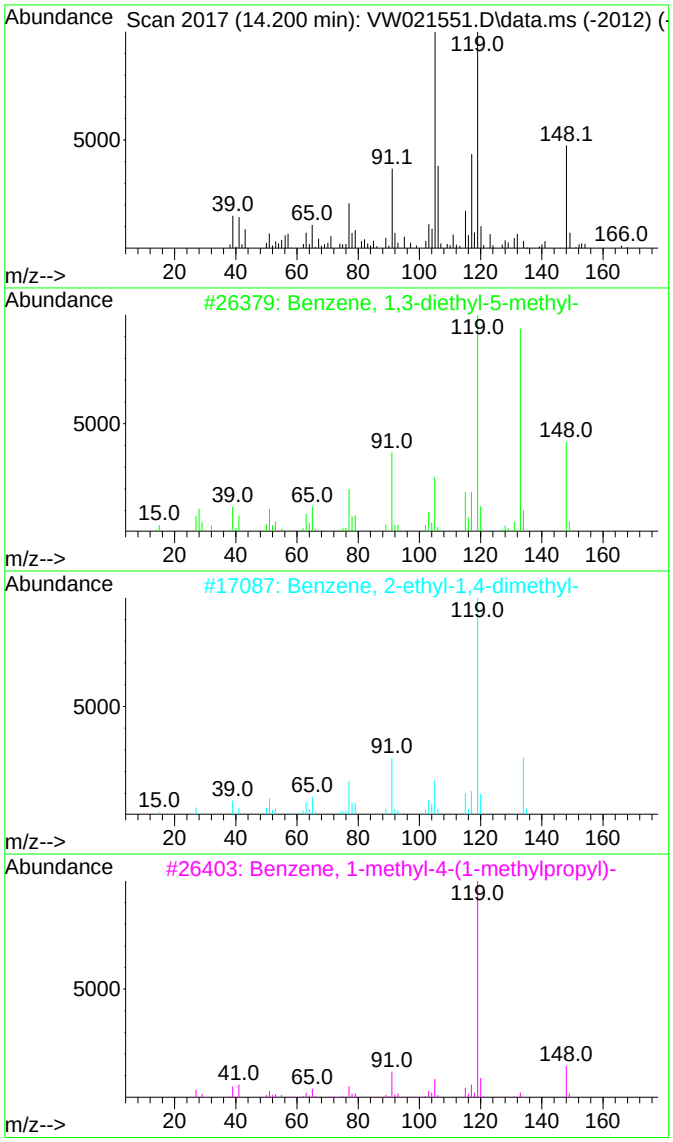
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

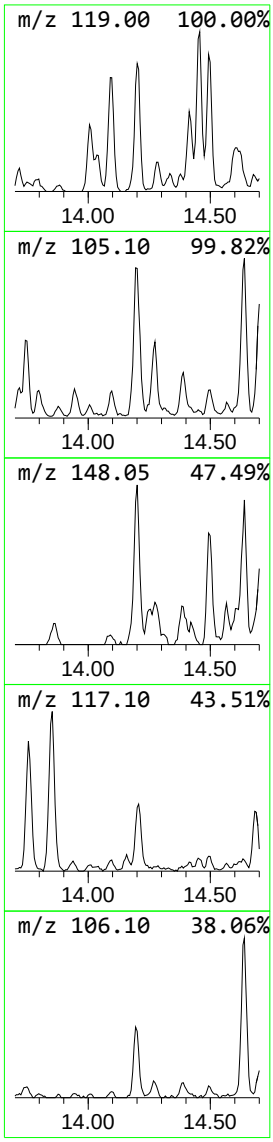
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.200	5.10 ug/L	77575	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	70
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	53
3	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	49
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	49
5	4-Methylphenyl acetone	148	C10H12O	002096-86-8	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

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

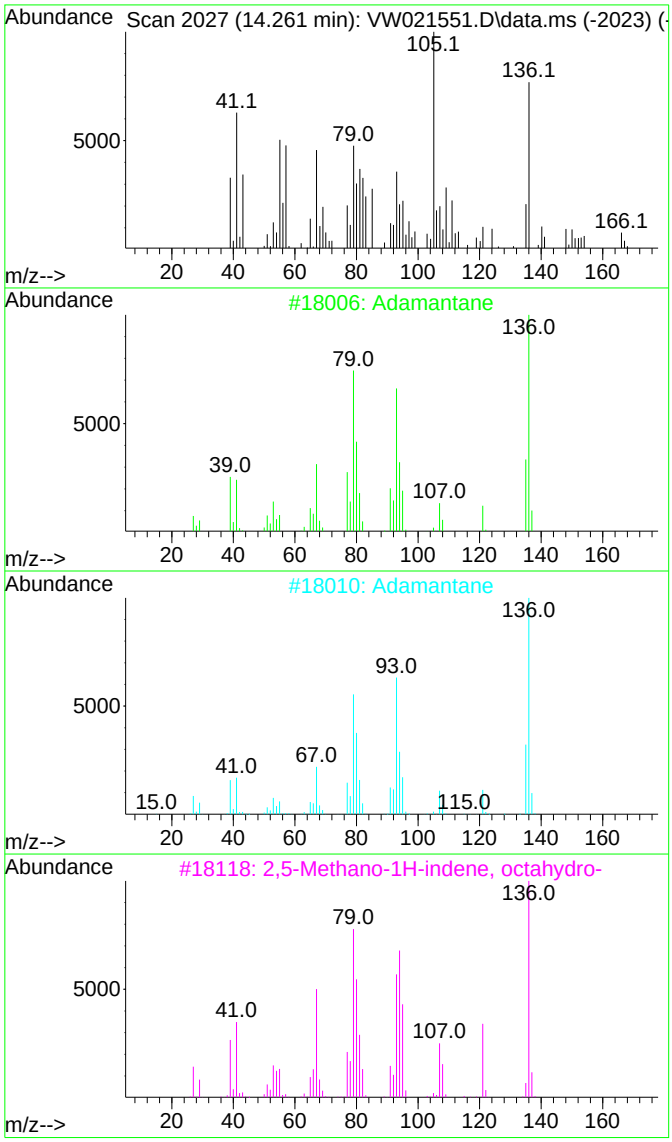
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

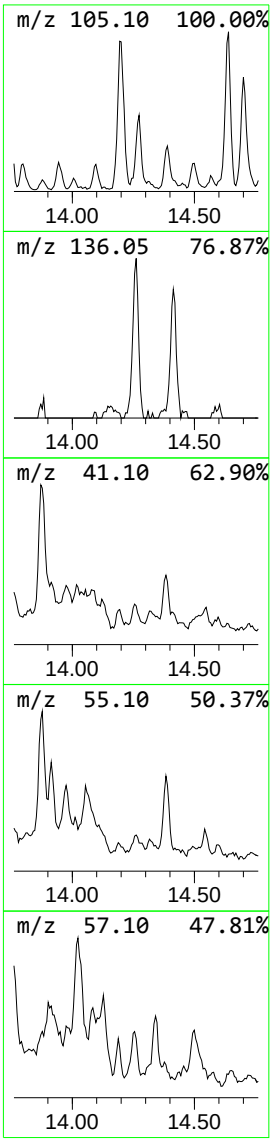
****

Peak Number 22 Adamantane Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.261	3.46 ug/L	52556	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	70
2	Adamantane	136	C10H16	000281-23-2	60
3	2,5-Methano-1H-indene, octahydro-	136	C10H16	019026-94-9	53
4	Adamantane	136	C10H16	000281-23-2	49
5	Adamantane	136	C10H16	000281-23-2	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

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

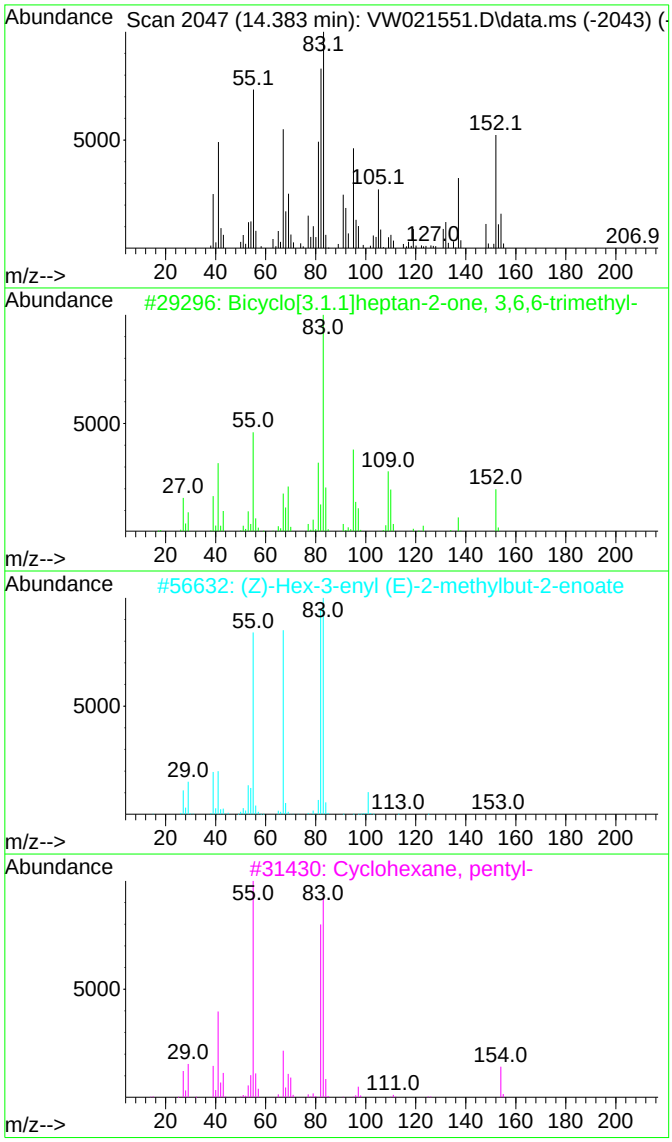
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

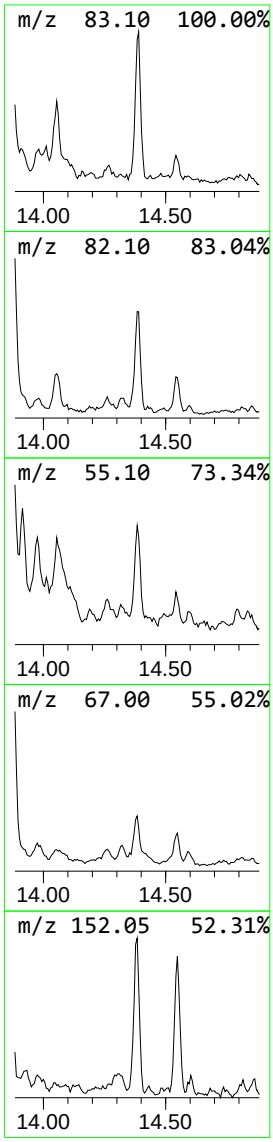
****

Peak Number 23 unknown-03 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	6.01 ug/L	91392	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptan-2-one, 3,6,...	152	C10H16O	016022-08-5	46
2	(Z)-Hex-3-enyl (E)-2-methylbut-2...	182	C11H18O2	067883-79-8	43
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	38
4	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	30
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

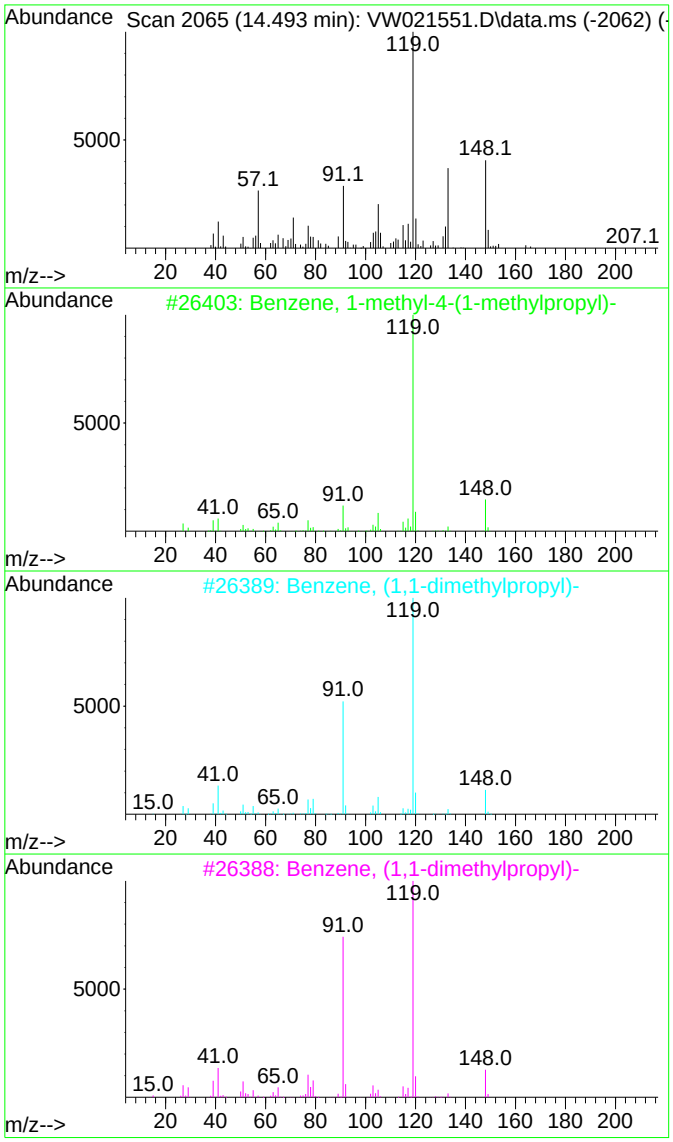
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

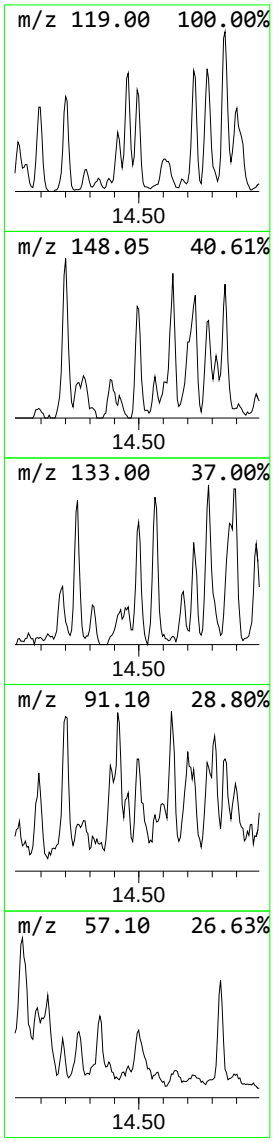
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Benzene, 1-methyl-4-(1-meth... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.493	4.00 ug/L	60851	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	64
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	53
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	53
4	4'-Methylpropiophenone	148	C10H12O	005337-93-9	50
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

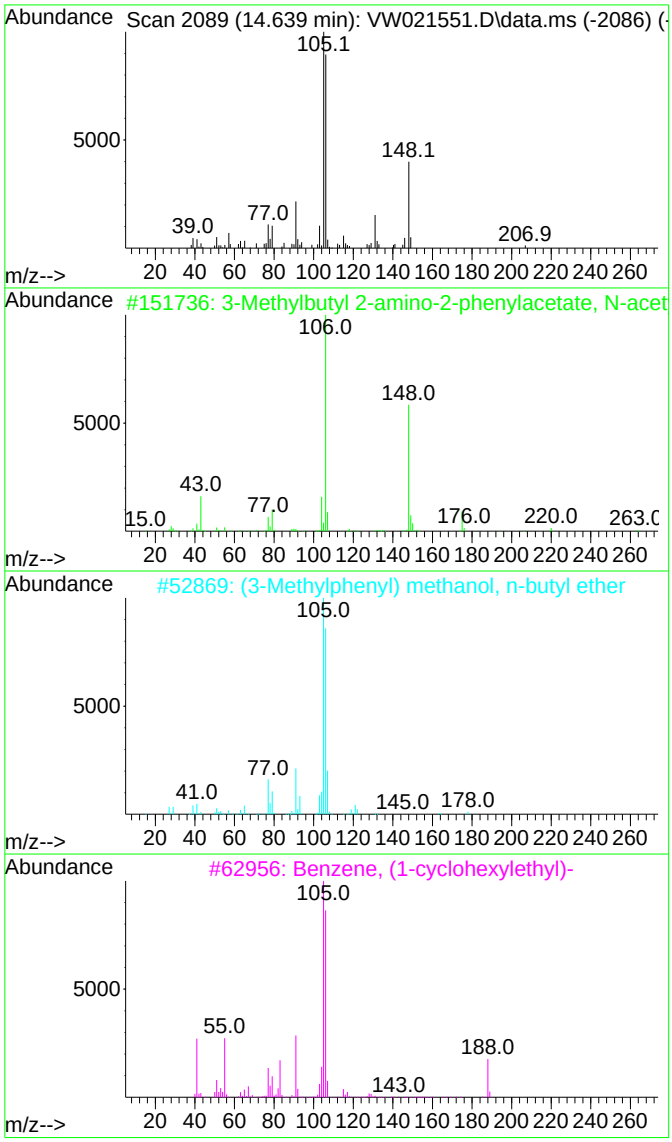
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

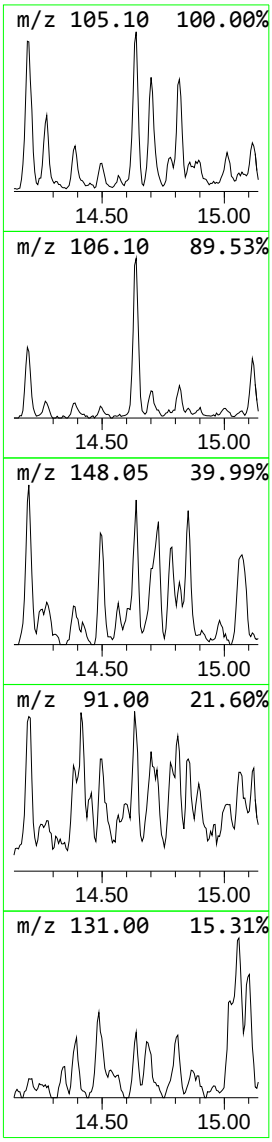
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 3-Methylbutyl 2-amino-2-phe... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.639	2.44 ug/L	37127	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylbutyl 2-amino-2-phenylac...	263	C15H21NO3	1000511-30-9	53
2	(3-Methylphenyl) methanol, n-but...	178	C12H18O	1000374-44-2	50
3	Benzene, (1-cyclohexylethyl)-	188	C14H20	004413-16-5	50
4	Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	49
5	4-Methylphenyl acetone	148	C10H12O	002096-86-8	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

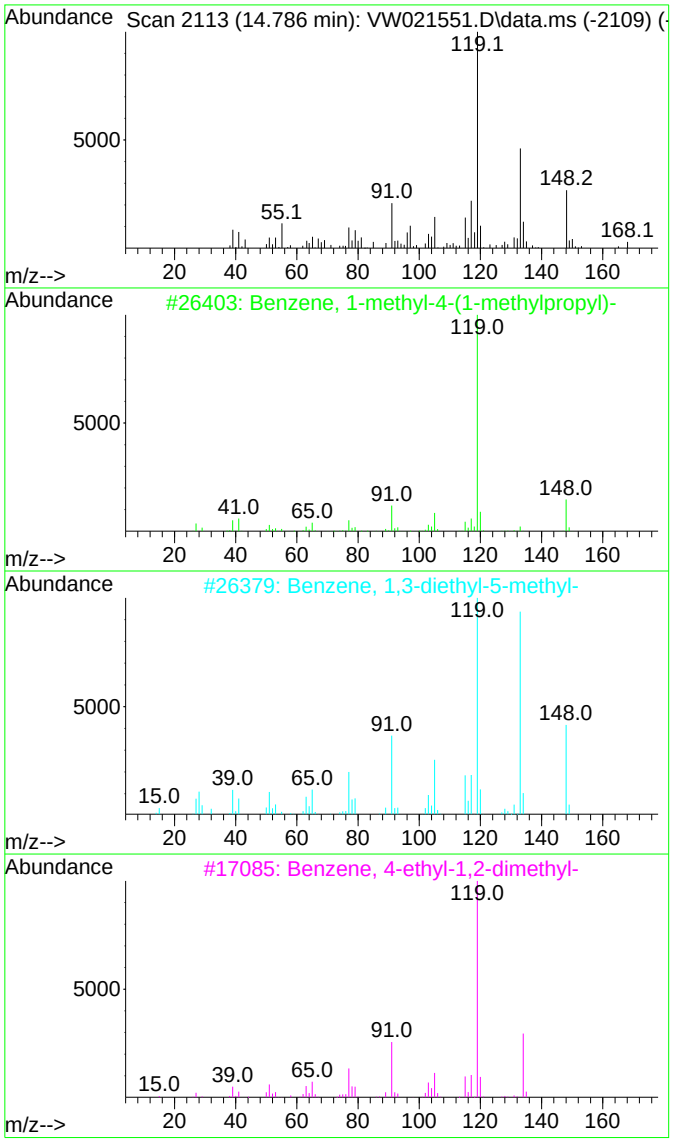
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

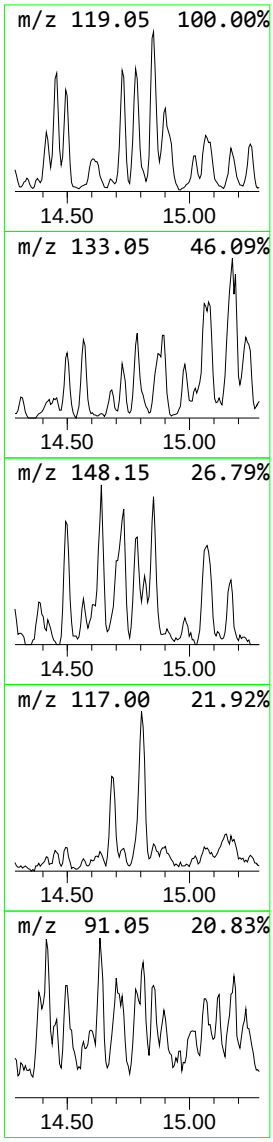
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.786	3.15 ug/L	47833	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	60
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	60
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	50
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	50
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

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

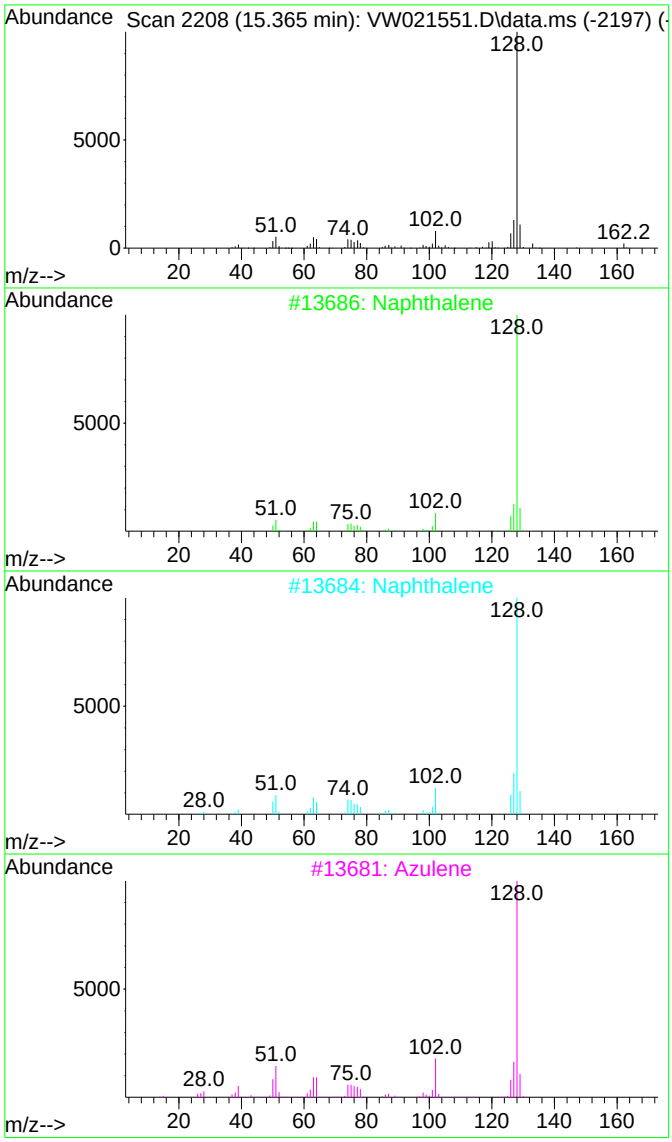
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

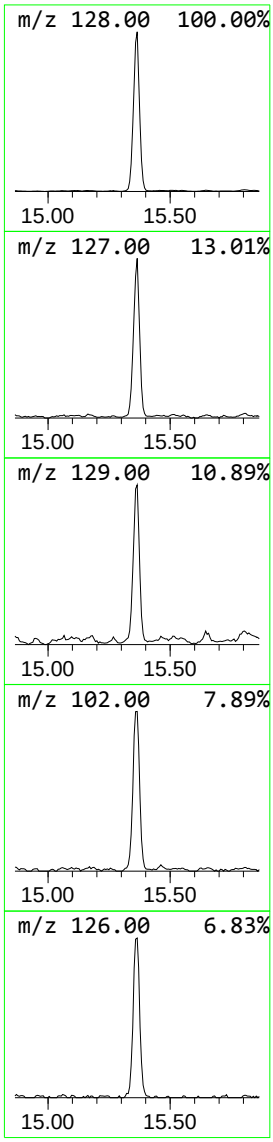
****

Peak Number 27 Azulene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.365	25.30 ug/L	384830	1,4-Dichlorobenzene-d4	13.560

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

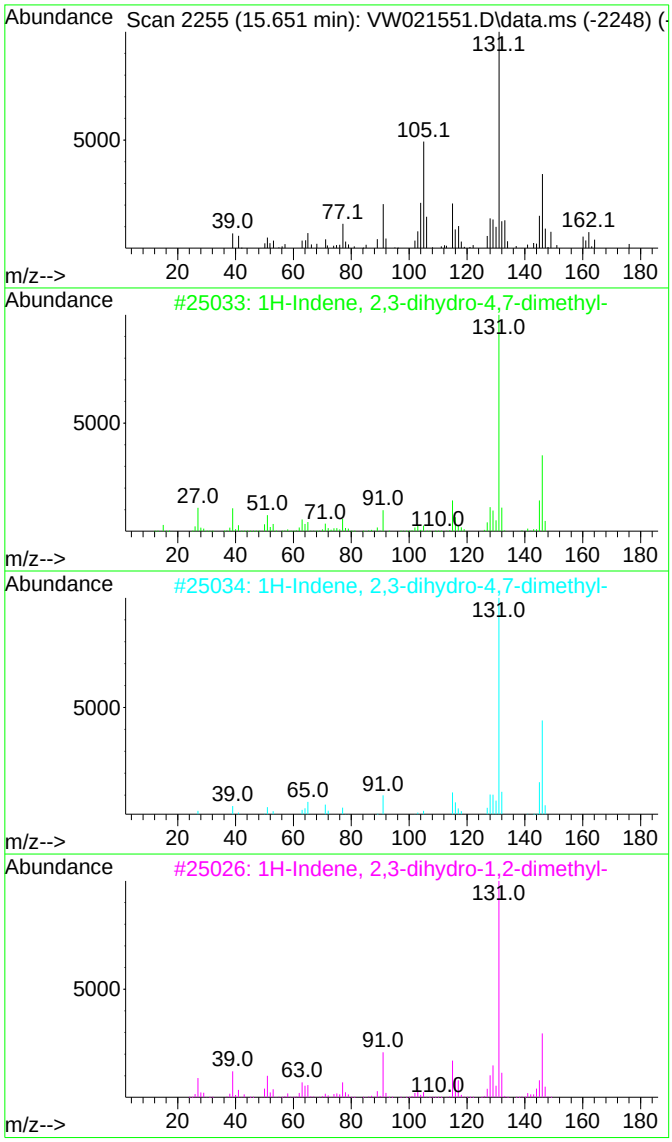
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

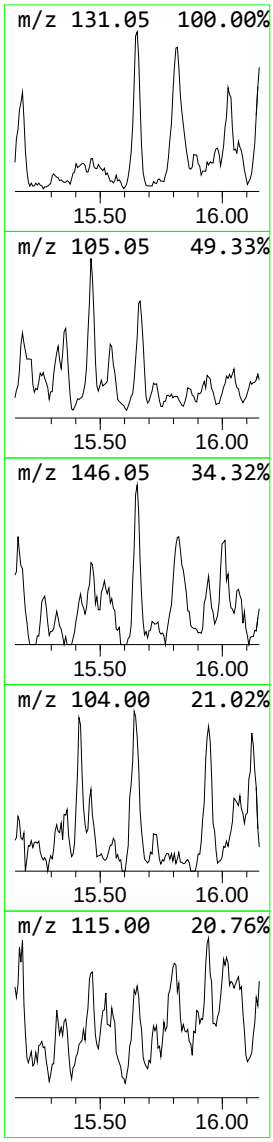
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	3.97 ug/L	60446	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	93
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	76
5	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

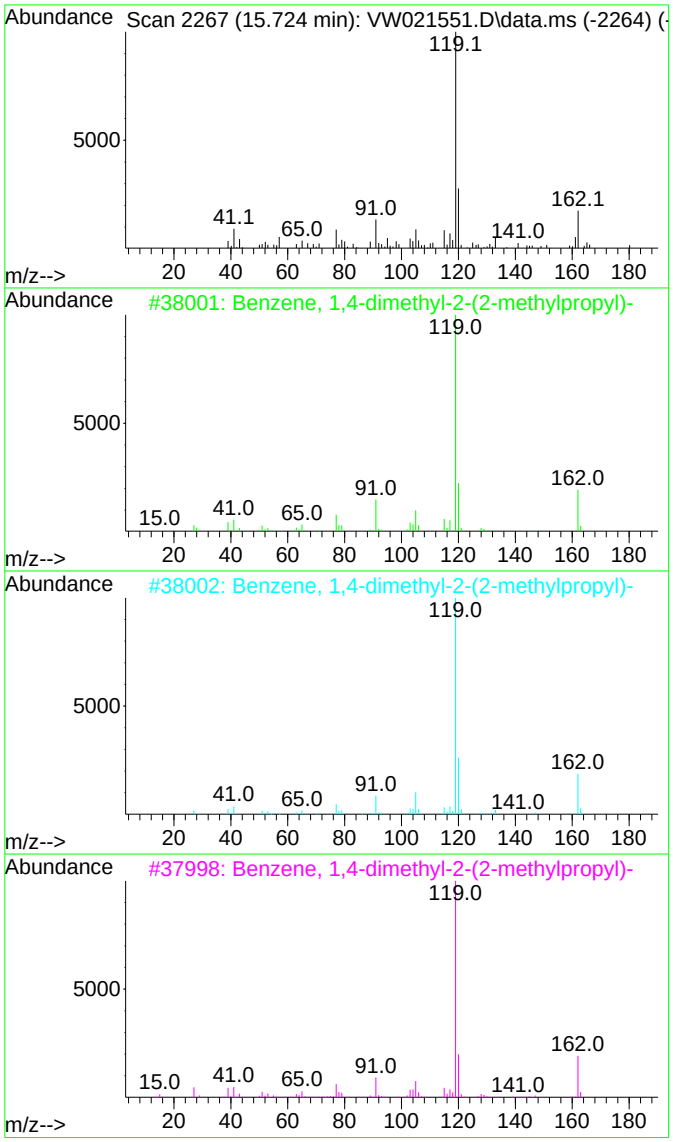
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

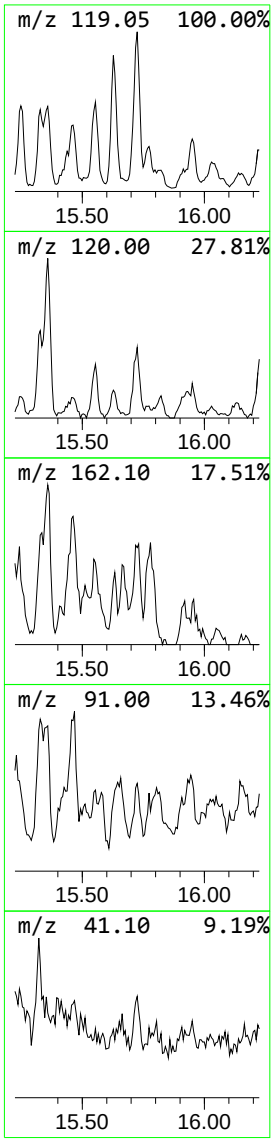
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Benzene, 1,4-dimethyl-2-(2-... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.724	1.40 ug/L	21359	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	90
2	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	87
3	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	87
4	Benzene, 1-ethyl-4-(2-methylprop...	162	C12H18	100319-40-2	72
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

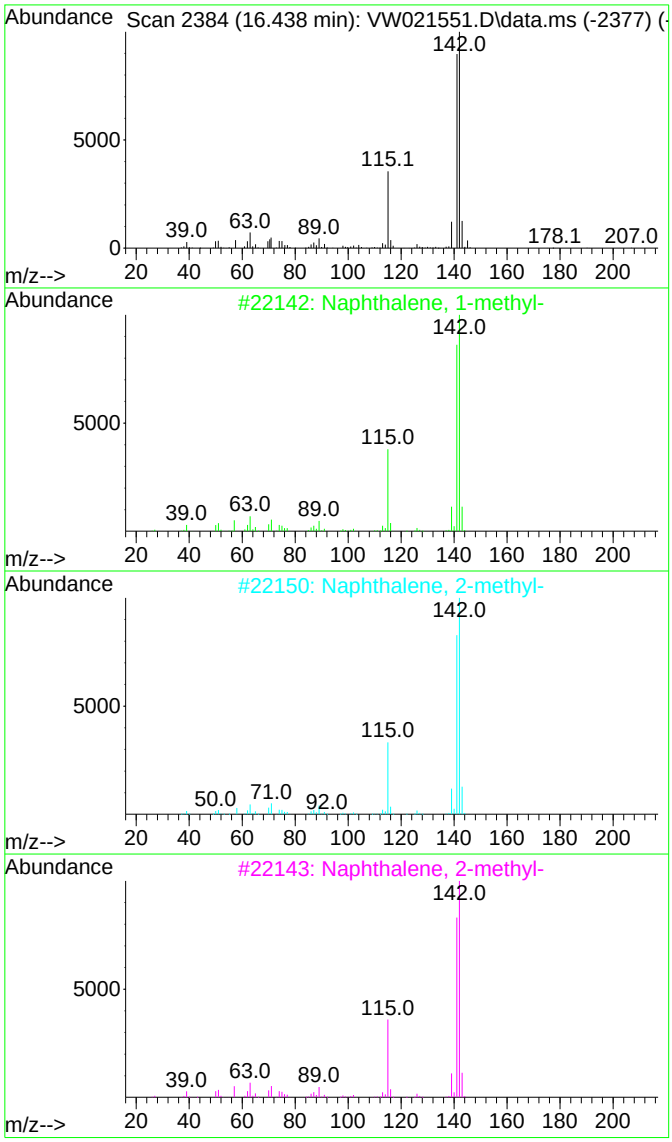
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

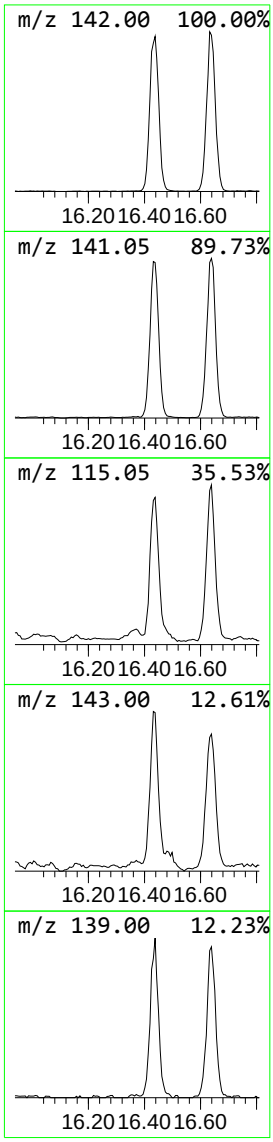
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.438	30.87 ug/L	469463	1,4-Dichlorobenzene-d4	13.560

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

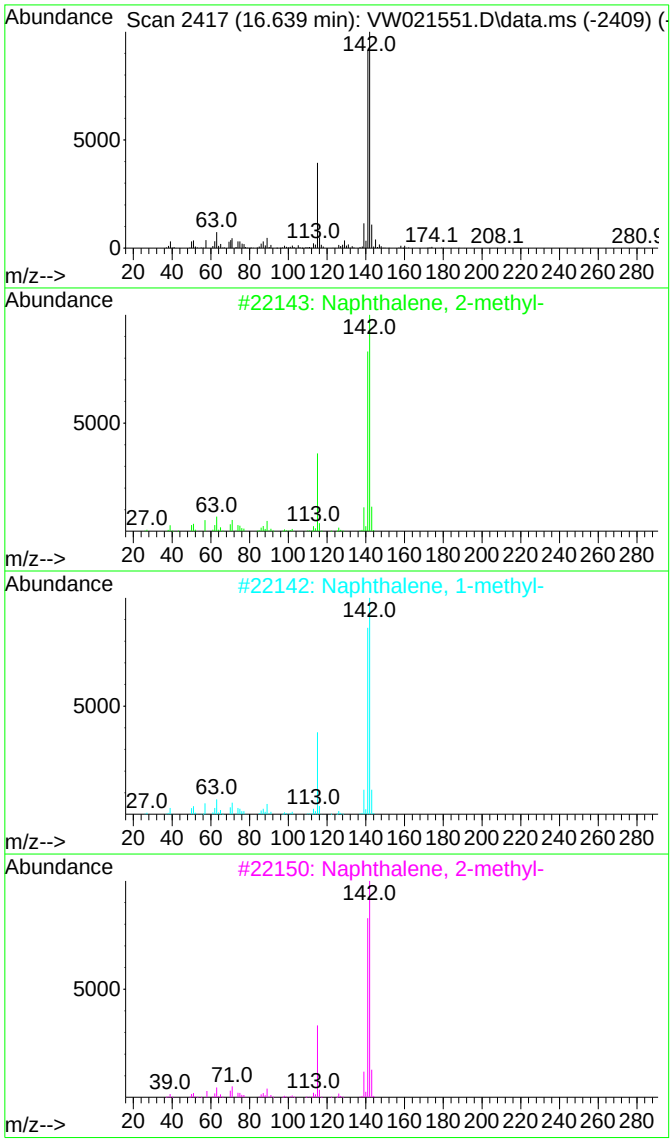
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

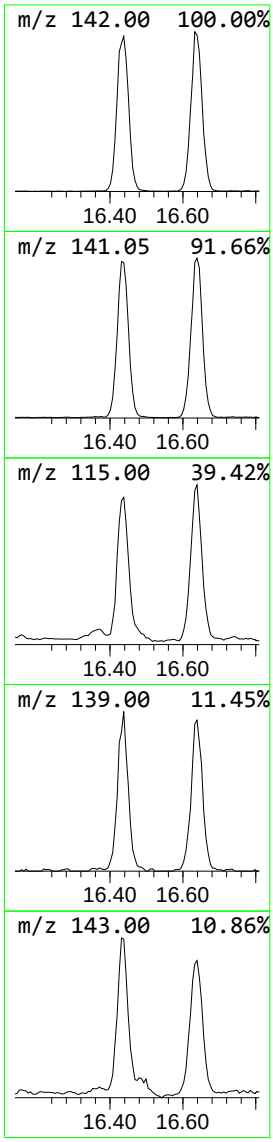
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Naphthalene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.639	28.65 ug/L	435717	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	Benzocycloheptatriene	142	C11H10	000264-09-5	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122121\
Data File : VW021551.D
Acq On : 22 Dec 2021 02:41
Operator : SY/VA
Sample : M5194-18
Misc : 7.10g/10.0mL/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGLD0

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	11.036	2.0	ug/L	35424	2	11.628	451954	25.0
(DEL) Alkane: S...	11.341	2.5	ug/L	45465	2	11.628	451954	25.0
(DEL) Alkane: S...	11.402	6.5	ug/L	116608	2	11.628	451954	25.0
(DEL) Alkane: S...	11.512	5.3	ug/L	96764	2	11.628	451954	25.0
(DEL) Alkane: C...	11.914	2.3	ug/L	40701	2	11.628	451954	25.0
(DEL) Alkane: S...	12.060	2.2	ug/L	39748	2	11.628	451954	25.0
(DEL) Alkane: S...	12.249	6.3	ug/L	114366	2	11.628	451954	25.0
(DEL) Alkane: S...	12.335	5.6	ug/L	101681	2	11.628	451954	25.0
(DEL) Alkane: S...	12.365	1.8	ug/L	33335	2	11.628	451954	25.0
(DEL) Alkane: S...	12.499	3.0	ug/L	53538	2	11.628	451954	25.0
(DEL) Alkane: S...	12.591	4.4	ug/L	79632	2	11.628	451954	25.0
Zinc, bis[2-(1,...	12.780	15.4	ug/L	233690	3	13.560	380213	25.0
(DEL) Alkane: C...	12.859	8.7	ug/L	132890	3	13.560	380213	25.0
Oxalic acid, cy...	12.938	13.8	ug/L	210220	3	13.560	380213	25.0
(DEL) Alkane: S...	13.079	5.3	ug/L	80472	3	13.560	380213	25.0
unknown-02	13.121	4.7	ug/L	70979	3	13.560	380213	25.0
Sulfurous acid,...	13.164	14.7	ug/L	223737	3	13.560	380213	25.0
(DEL) Alkane: S...	13.408	5.6	ug/L	84802	3	13.560	380213	25.0
Benzene, 1,3-di...	14.200	5.1	ug/L	77575	3	13.560	380213	25.0
Adamantane	14.261	3.5	ug/L	52556	3	13.560	380213	25.0
unknown-03	14.383	6.0	ug/L	91392	3	13.560	380213	25.0
Benzene, 1-meth...	14.493	4.0	ug/L	60851	3	13.560	380213	25.0
3-Methylbutyl 2...	14.639	2.4	ug/L	37127	3	13.560	380213	25.0
Benzene, 4-ethy...	14.786	3.1	ug/L	47833	3	13.560	380213	25.0
Azulene	15.365	25.3	ug/L	384830	3	13.560	380213	25.0
1H-Indene, 2,3-...	15.651	4.0	ug/L	60446	3	13.560	380213	25.0
Benzene, 1,4-di...	15.724	1.4	ug/L	21359	3	13.560	380213	25.0
Naphthalene, 1-...	16.438	30.9	ug/L	469463	3	13.560	380213	25.0
Naphthalene, 2-...	16.639	28.6	ug/L	435717	3	13.560	380213	25.0