LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

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: VW021433.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.154	37	41	42	rBV2	297	372	0.03%	0.003%
2	2.343	66	72	81	rVB	37619	61749	4.19%	0.421%
3	2.873	152	159	172	rVB	20442	42366	2.87%	0.289%
4	3.001	178	180	181	rBV	281	278	0.02%	0.002%
5	3.074	191	192	195	rBV	259	215	0.01%	0.001%
6	3.373	239	241	246	rVB3	263	320	0.02%	0.002%
7	4.007	335	345	359	rBV	36039	107612	7.29%	0.733%
8	4.135	359	366	379	rVB	5922	17728	1.20%	0.121%
9	4.379	401	406	410	rBB2	236	502	0.03%	0.003%
10	4.788	470	473	476	rVB2	133	180	0.01%	0.001%
11	4.909	482	493	505	rBV3	6041	20238	1.37%	0.138%
12	5.025	508	512	514	rBB3	161	172	0.01%	0.001%
13	5.269	550	552	555	rVB2	162	171	0.01%	0.001%
14	5.409	570	575	577	rBB	144	184	0.01%	0.001%
15	5.928	654	660	667	rBB5	811	2144	0.15%	0.015%
16	6.379	732	734	741	rBB2	154	316	0.02%	0.002%
17	6.982	830	833	835	rBB	140	173	0.01%	0.001%
18	7.080	840	849	859	rBV	9875	28348	1.92%	0.193%
19	7.647	931	942	956	rVB	57441	140238	9.51%	0.956%
20	7.921	979	987	997	rVB3	6551	17008	1.15%	0.116%
21	8.031	997	1005	1015	rVB3	4909	12596	0.85%	0.086%
22	8.153	1016	1025	1031	rBV2	9577	22858	1.55%	0.156%
23	8.275	1037	1045	1060	rVB2	106580	327988	22.23%	2.235%
24	8.433	1062	1071	1077	rVV4	8198	22142	1.50%	0.151%
25	8.500	1077	1082	1088	rVV4	6687	15582	1.06%	0.106%
26	8.567	1088	1093	1104	rVB4	8464	19903	1.35%	0.136%
27	8.689	1107	1113	1122	rVB3	6884	14163	0.96%	0.097%
28	8.842	1129	1138	1146	rBV	111777	220641	14.96%	1.504%
29	8.933	1148	1153	1156	rVB2	518	809	0.05%	0.006%
30	9.073	1168	1176	1183	rBB2	2204	4673	0.32%	0.032%
31	9.146	1184	1188	1192	rBB2	390	603	0.04%	0.004%
32	9.275	1201	1209	1214	rBV	74373	155444	10.54%	1.059%
33	9.329	1214	1218	1225	rVB	32019	62950	4.27%	0.429%
34	9.512	1244	1248	1253	rVB4	1148	1647	0.11%	0.011%
35	9.585	1254	1260	1261	rBV	397	677	0.05%	0.005%
36	9.610	1261	1264	1267	rVB3	604	848	0.06%	0.006%

LSC Area Percent Report

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Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

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	9.756	1281	1288	1295	rVB3	2566	4912	0.33%	0.033%
38	9.890	1304	1310	1316	rBV3	3780	7809	0.53%	0.053%
39	9.957	1316	1321	1324	rBV3	1368	2585	0.18%	0.018%
40	10.037	1327	1334	1340	rVV	36301	66562	4.51%	0.454%
41	10.085	1340	1342	1349	rVB4	2048	3443	0.23%	0.023%
42	10.213	1357	1363	1364	rBV2	749	1060	0.07%	0.007%
43	10.244	1364	1368	1373	rVB2	2447	4017	0.27%	0.027%
44	10.323	1373	1381	1387	rBV	148498	266527	18.07%	1.817%
45	10.384	1387	1391	1403	rVB	14253	26648	1.81%	0.182%
46	10.500	1403	1410	1416	rVB5	3163	6843	0.46%	0.047%
47	10.579	1416	1423	1432	rBV	23477	42560	2.88%	0.290%
48	10.658	1432	1436	1440	rBV2	5009	8346	0.57%	0.057%
49	10.756	1447	1452	1458	rBV4	4410	8533	0.58%	0.058%
50	10.860	1462	1469	1474	rVB4	10200	19434	1.32%	0.132%
51	10.927	1474	1480	1487	rBV	43900	79604	5.40%	0.543%
52	10.994	1488	1491	1493	rBV	2455	3234	0.22%	0.022%
53	11.030	1494	1497	1505	rVB4	7000	15342	1.04%	0.105%
54	11.110	1505	1510	1513	rBV	10149	17452	1.18%	0.119%
55	11.177	1518	1521	1525	rVV3	5097	6836	0.46%	0.047%
56	11.225	1525	1529	1533	rVV	9560	14981	1.02%	0.102%
57	11.335	1543	1547	1550	rBV2	6363	10087	0.68%	0.069%
58	11.378	1551	1554	1555	rBV2	3578	4535	0.31%	0.031%
59	11.433	1560	1563	1571	rVB	20488	39381	2.67%	0.268%
60	11.506	1571	1575	1586	rVB2	11044	21903	1.48%	0.149%
61	11.628	1587	1595	1603	rBV	147969	264564	17.93%	1.803%
62	11.725	1606	1611	1621	rVB	95788	182927	12.40%	1.247%
63	11.841	1621	1630	1634	rBV	87754	222408	15.08%	1.516%
64	11.975	1647	1652	1653	rBV3	6863	10022	0.68%	0.068%
65	12.164	1670	1683	1689	rBV4	110814	332730	22.55%	2.268%
66	12.359	1701	1715	1721	rBV5	60570	259005	17.56%	1.765%
67	12.463	1726	1732	1740	rVB	148820	283591	19.22%	1.933%
68	12.591	1750	1753	1761	rVB4	32148	73657	4.99%	0.502%
69	12.695	1763	1770	1775	rBV3	86397	186013	12.61%	1.268%
70	12.780	1780	1784	1791	rVB2	93003	222714	15.10%	1.518%
71	12.865	1791	1798	1800	rBV2	175995	320137	21.70%	2.182%
72	12.938	1806	1810	1816	rVB	257222	399791	27.10%	2.725%
73	13.103	1829	1837	1843	rVB	244183	468800	31.78%	3.195%
74	13.188	1844	1851	1856	rBV6	66471	160843	10.90%	1.096%
75	13.249	1856	1861	1866	rBV	733251	1107528	75.07%	7.548%
76	13.408	1879	1887	1890	rBV5	118677	288132	19.53%	1.964%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
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Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

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

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

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

77	13.585	1908	1916	1929	rVB3	352139	854141	57.90%	5.821%
78	13.749	1939	1943	1946	rBV2	173485	299484	20.30%	2.041%
79	13.871	1956	1963	1969	rVB3	788174	1475318	100.00%	10.055%
80	13.944	1971	1975	1980	rVB	117227	164382	11.14%	1.120%
81	14.005	1981	1985	1987	rBV2	134037	186909	12.67%	1.274%
82	14.091	1995	1999	2006	rVB	230844	375058	25.42%	2.556%
83	14.200	2012	2017	2022	rBV2	218777	334968	22.70%	2.283%
84	14.255	2022	2026	2033	rVB5	101454	226369	15.34%	1.543%
85	14.335	2034	2039	2042	rBV2	108037	170761	11.57%	1.164%
86	14.377	2042	2046	2049	rBV3	113358	180211	12.22%	1.228%
87	14.414	2049	2052	2055	rVV	179605	247941	16.81%	1.690%
88	14.450	2055	2058	2062	rVB	273960	362653	24.58%	2.472%
89	14.499	2062	2066	2068	rBV2	62633	86738	5.88%	0.591%
90	14.682	2092	2096	2100	rBV2	61180	94599	6.41%	0.645%
91	14.731	2100	2104	2108	rVB2	63700	92958	6.30%	0.634%
92	14.786	2108	2113	2121	rBV2	209493	489463	33.18%	3.336%
93	14.865	2121	2126	2136	rVB3	96209	222099	15.05%	1.514%
94	14.956	2137	2141	2145	rBV2	58278	110096	7.46%	0.750%
95	15.060	2153	2158	2164	rBV3	133367	329256	22.32%	2.244%
96	15.127	2164	2169	2173	rVV2	323294	542758	36.79%	3.699%
97	15.359	2203	2207	2213	rVB	313854	529063	35.86%	3.606%
98	15.548	2235	2238	2246	rVB	114132	201088	13.63%	1.371%
99	16.133	2330	2334	2344	rVB2	55609	144204	9.77%	0.983%
100	16.432	2379	2383	2394	rVB3	77751	162596	11.02%	1.108%

Sum of corrected areas: 14672447

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
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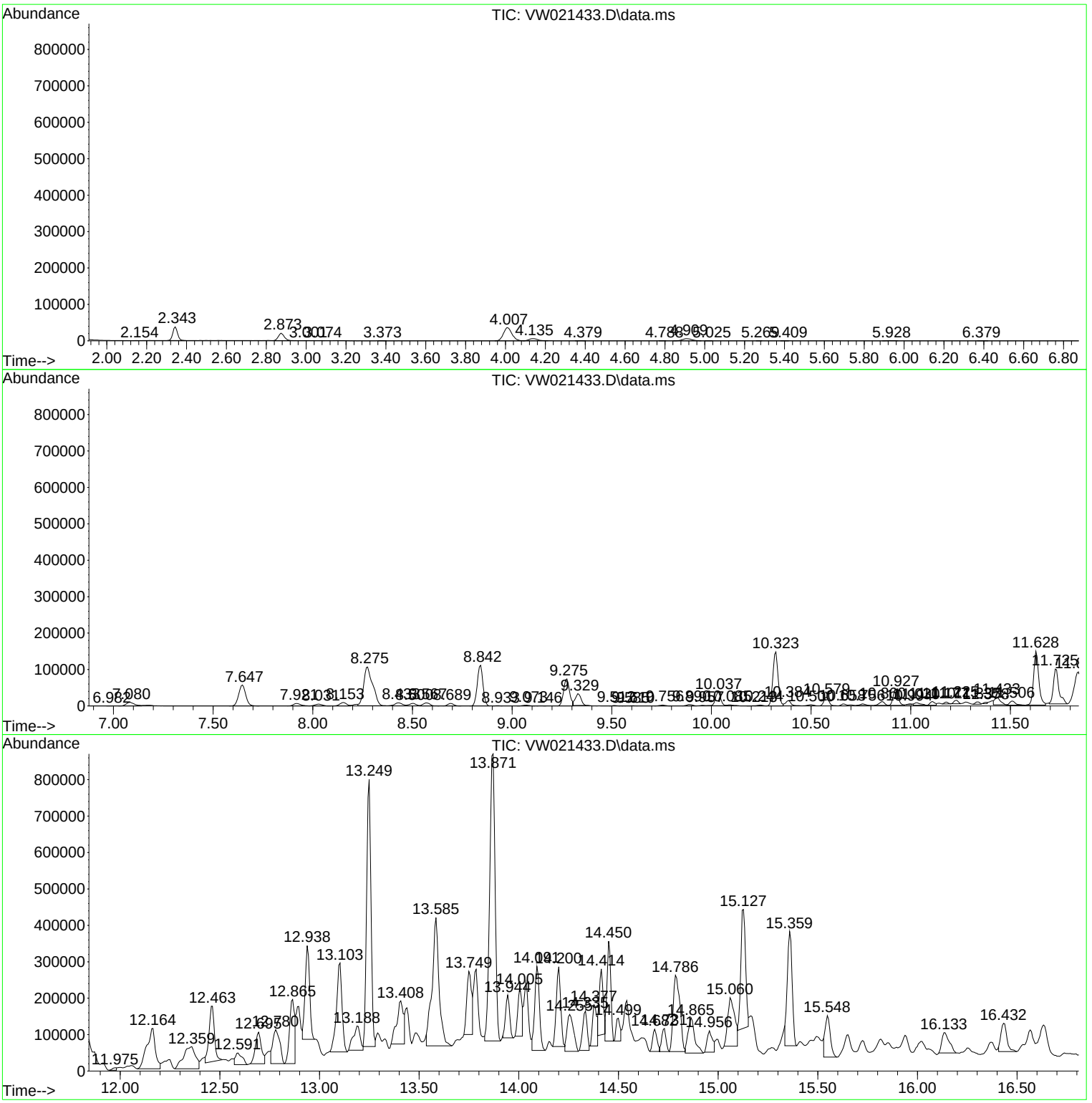
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

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\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

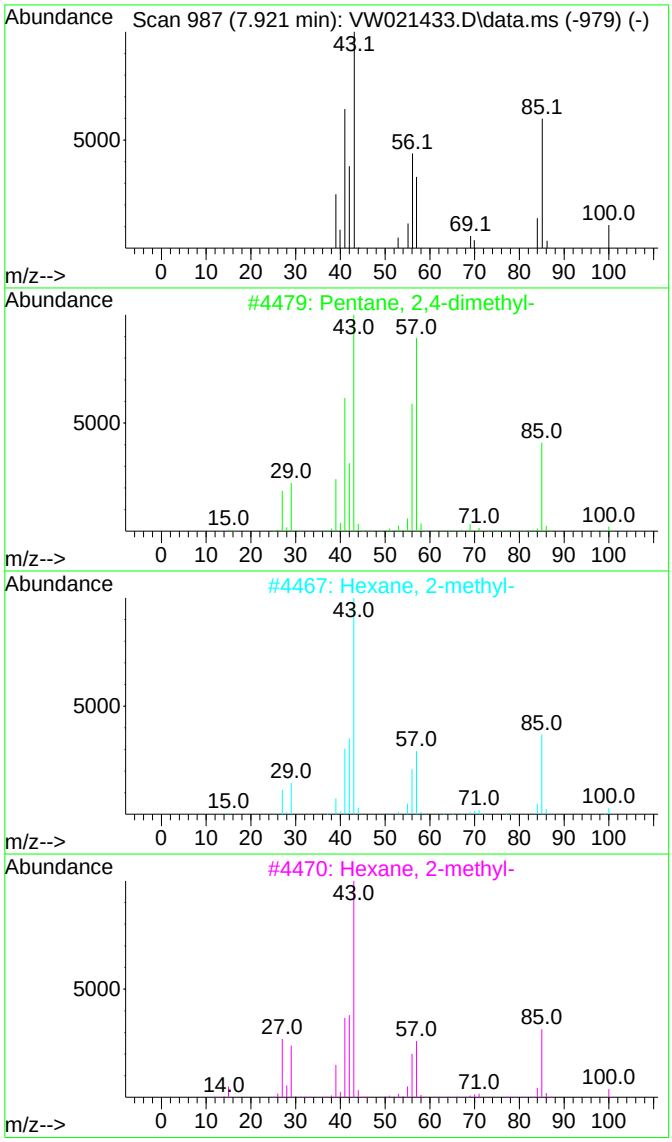
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

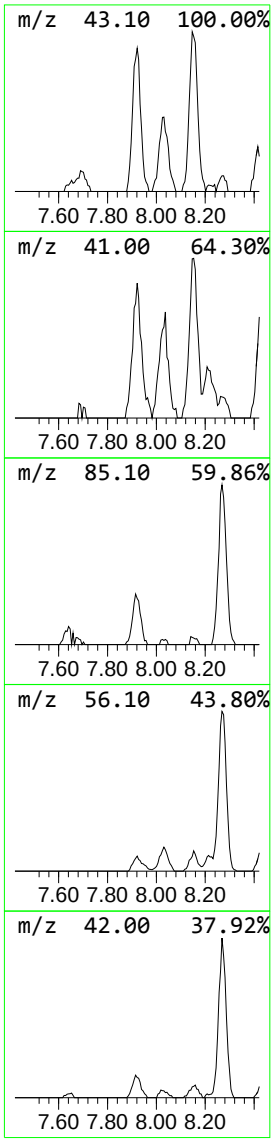
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.921	1.93 ug/L	17008	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	72
2	Hexane, 2-methyl-	100	C7H16	000591-76-4	59
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	52
4	Hexane, 2-methyl-	100	C7H16	000591-76-4	52
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

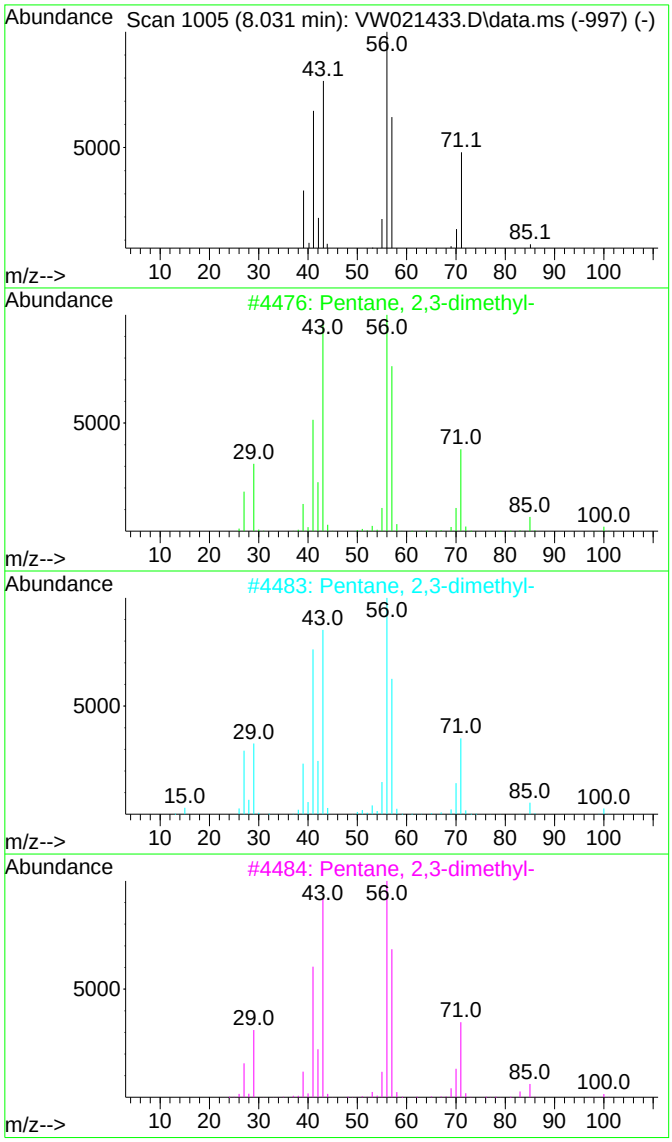
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

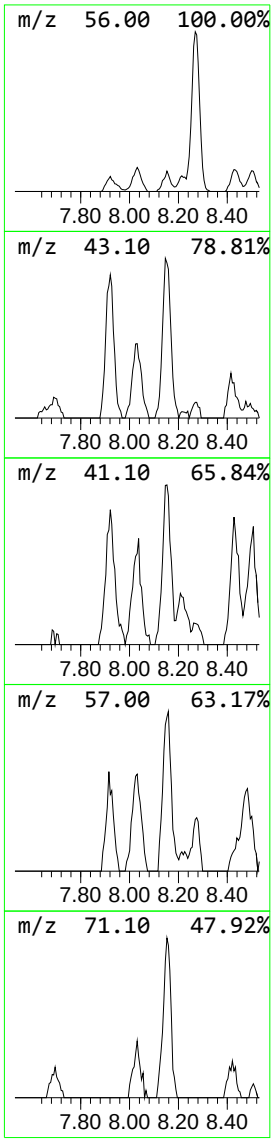
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.031	1.43 ug/L	12596	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
5	Oxirane, (1-methylbutyl)-	114	C7H14O	053229-39-3	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

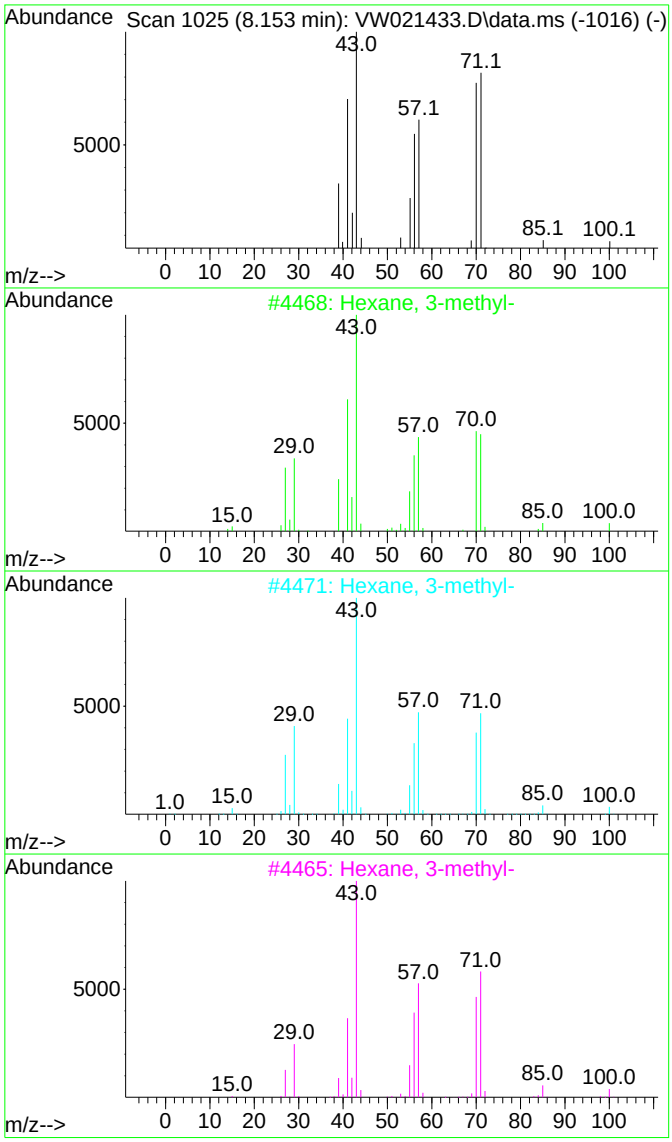
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

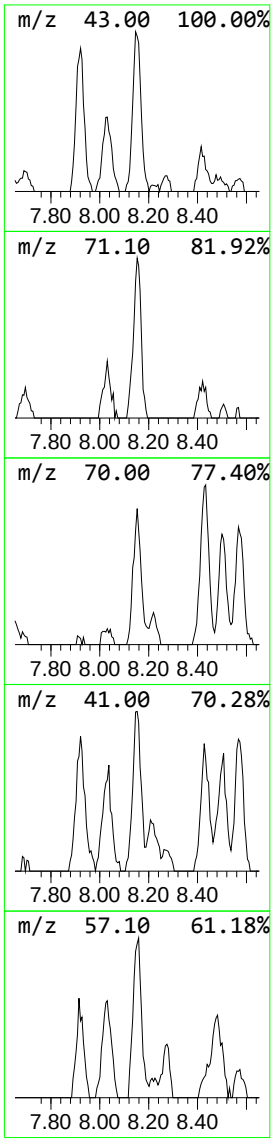
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.153	2.59 ug/L	22858	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	80
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	80
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	64
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

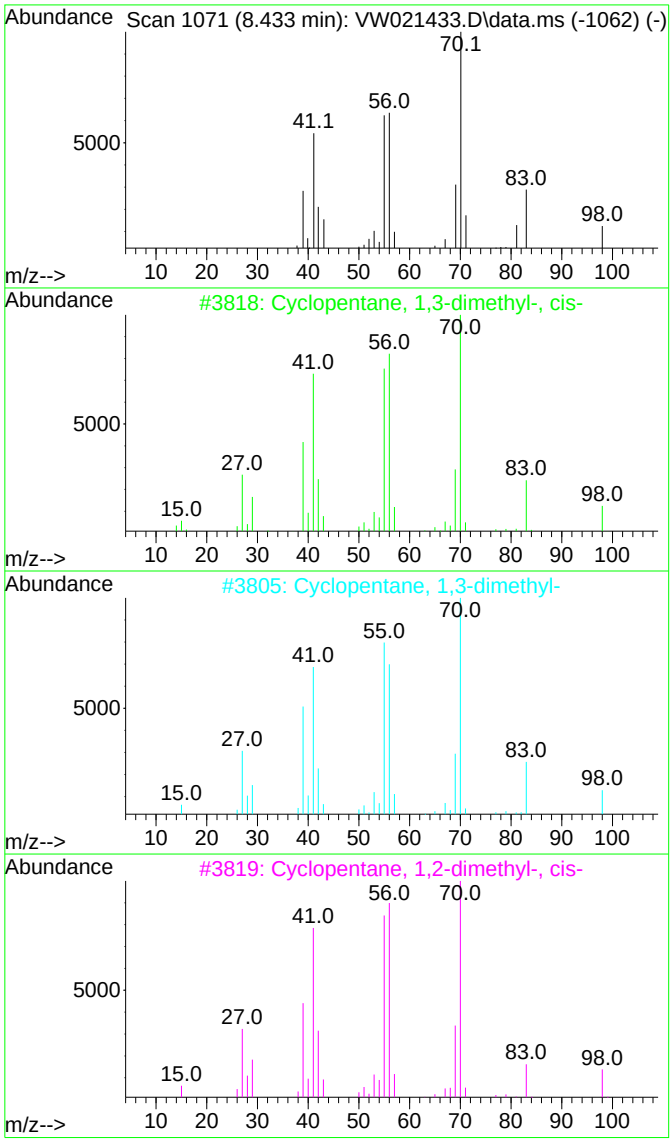
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

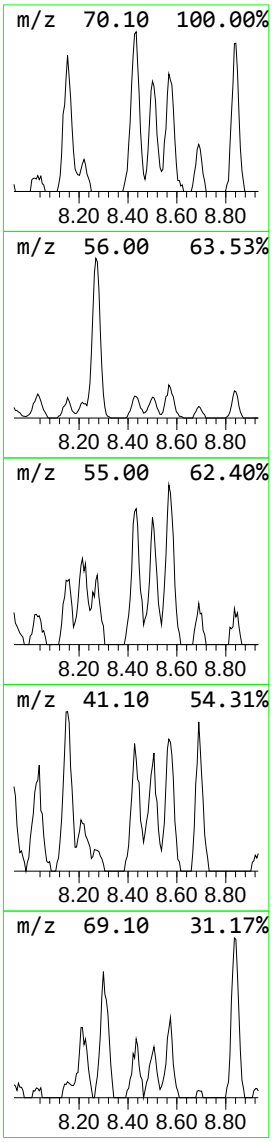
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Cyclic8.433 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.433	2.51 ug/L	22142	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	87
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	83
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	70
4	Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	64
5	1-Octene, 3-methyl-	126	C9H18	013151-08-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

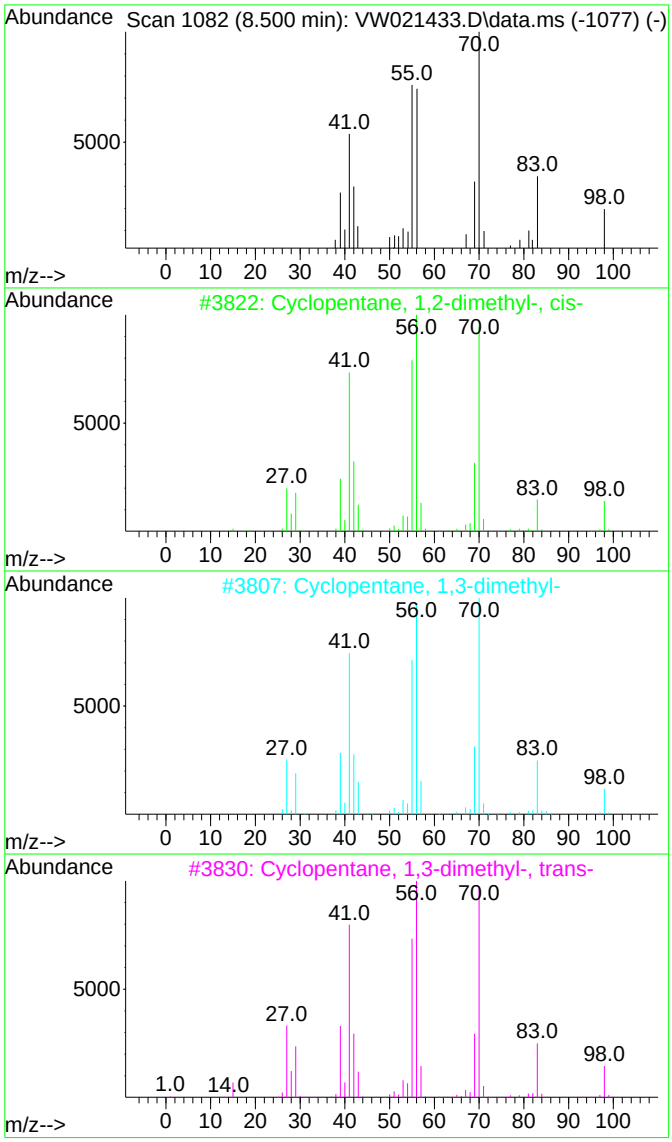
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

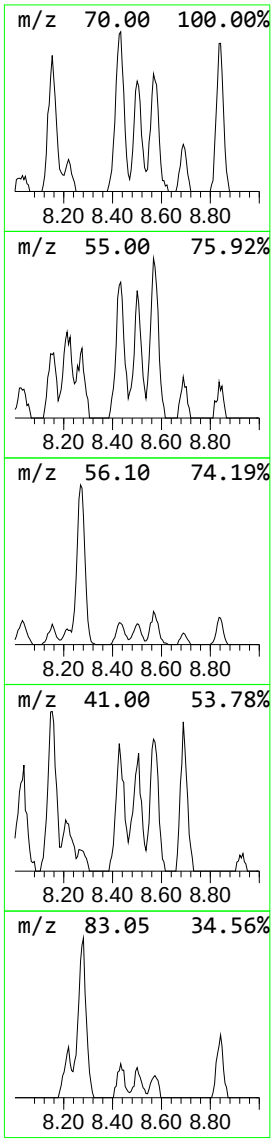
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic8.500 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.500	1.77 ug/L	15582	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	78
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	78
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	78
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

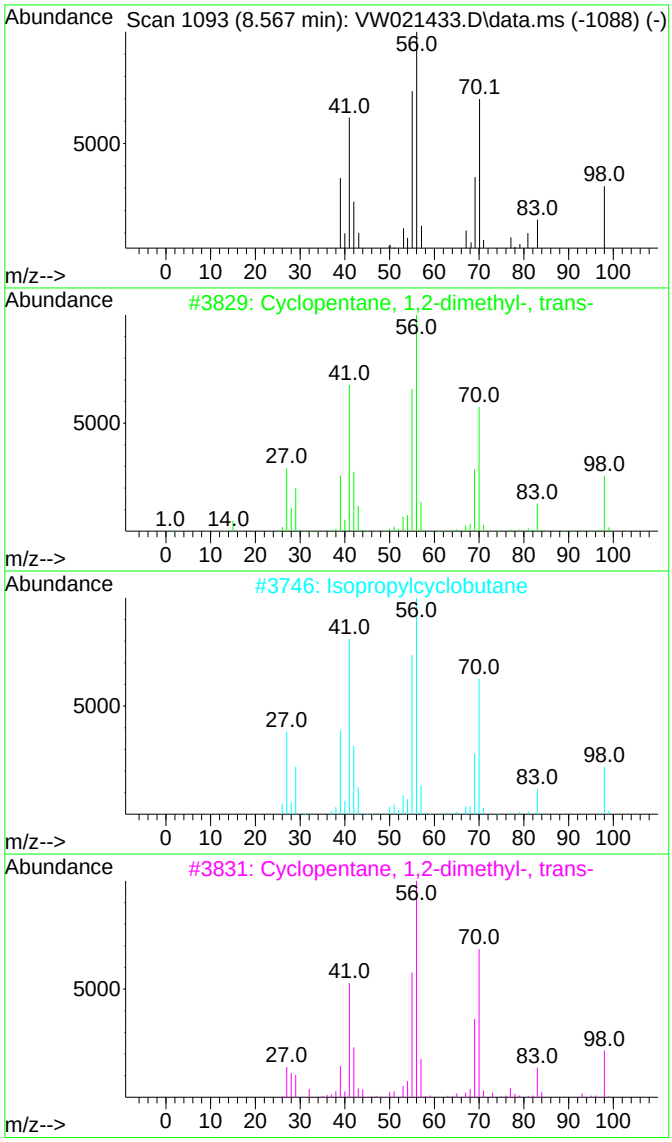
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

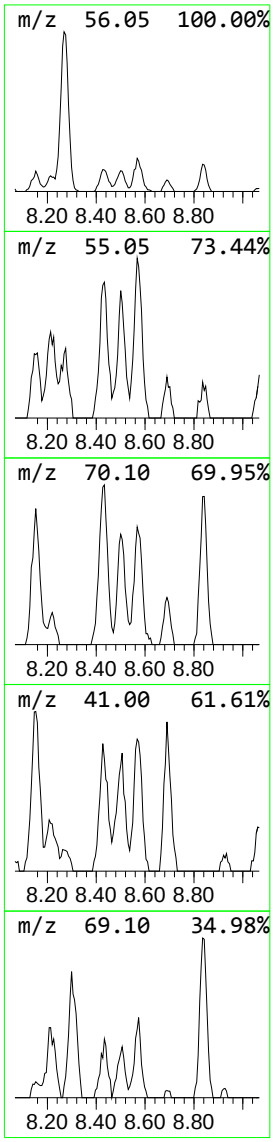
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic8.567 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.567	2.26 ug/L	19903	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
2	Isopropylcyclobutane	98	C7H14	000872-56-0	90
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	87
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	80
5	(Z)-Hex-2-ene, 5-methyl-	98	C7H14	013151-17-2	72





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Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

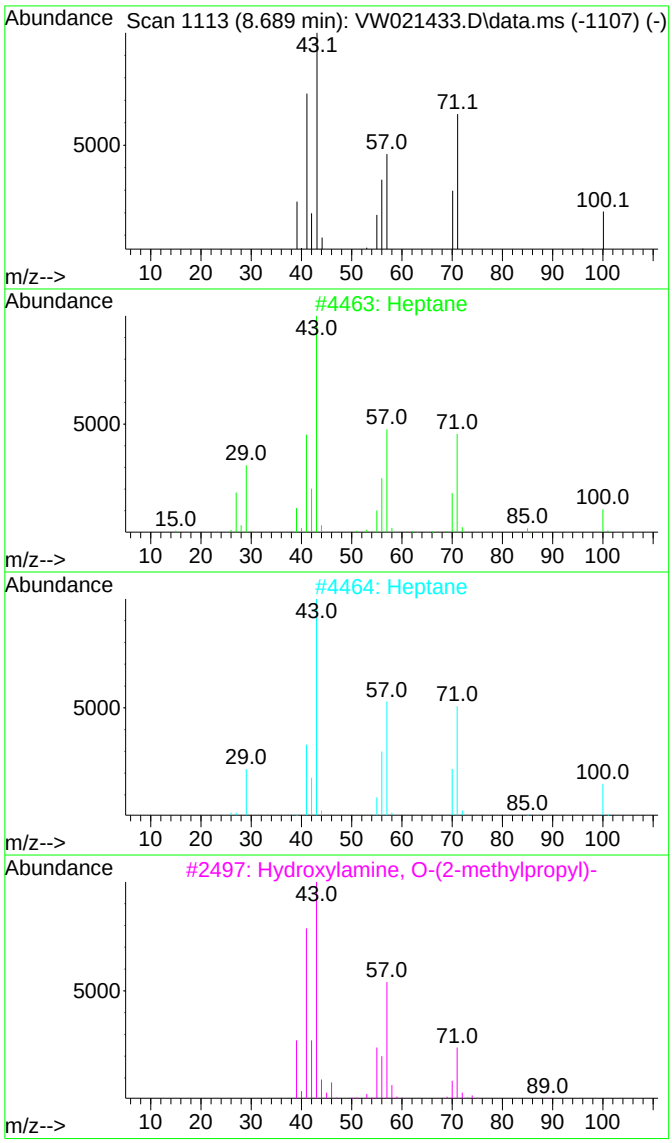
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

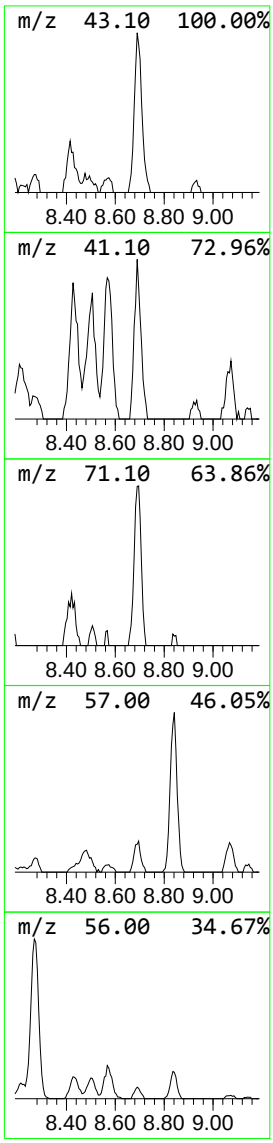
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.689	1.60 ug/L	14163	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	78
2	Heptane	100	C7H16	000142-82-5	78
3	Hydroxylamine, O-(2-methylpropyl)-	89	C4H11NO	005618-62-2	53
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	42
5	Heptane	100	C7H16	000142-82-5	38





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Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

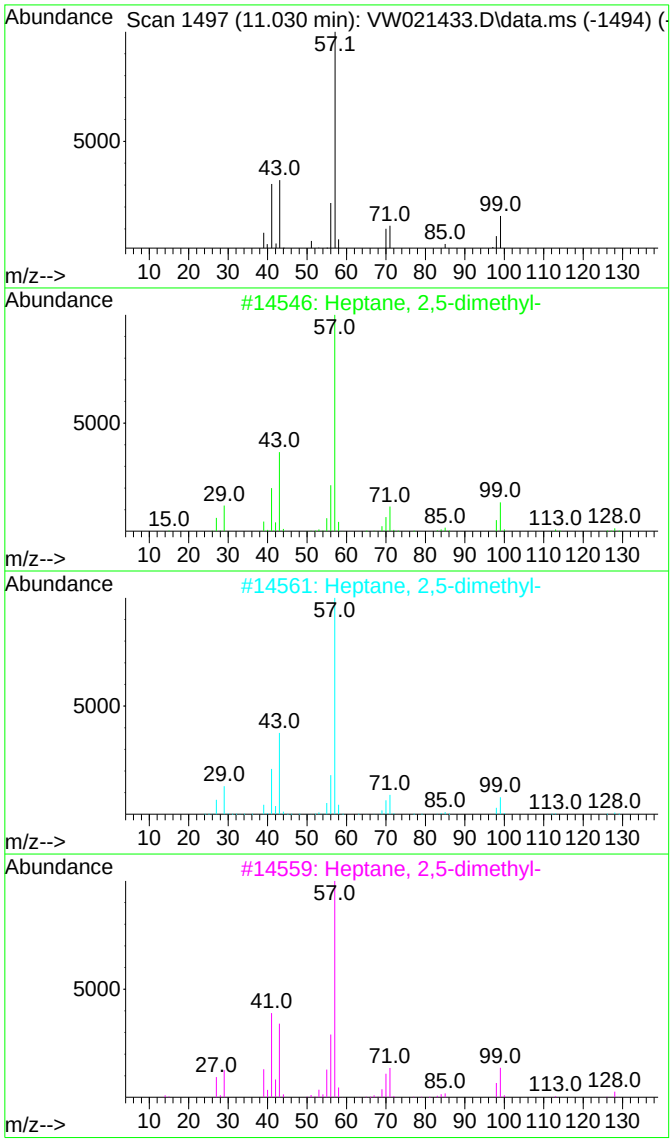
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

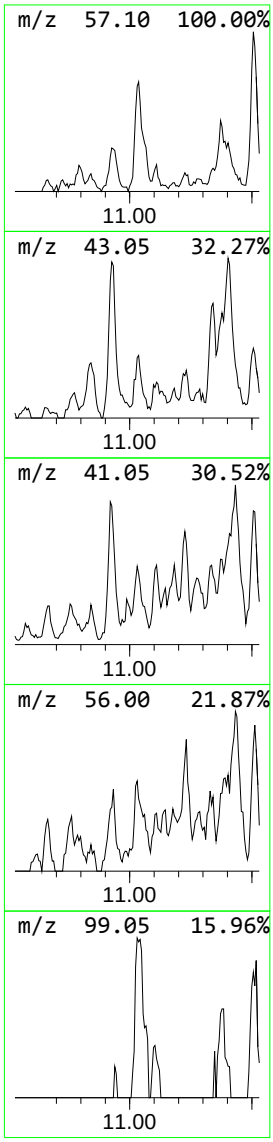
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.030	1.45 ug/L	15342	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	72
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
4	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	59
5	Octane, 3-methyl-	128	C9H20	002216-33-3	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

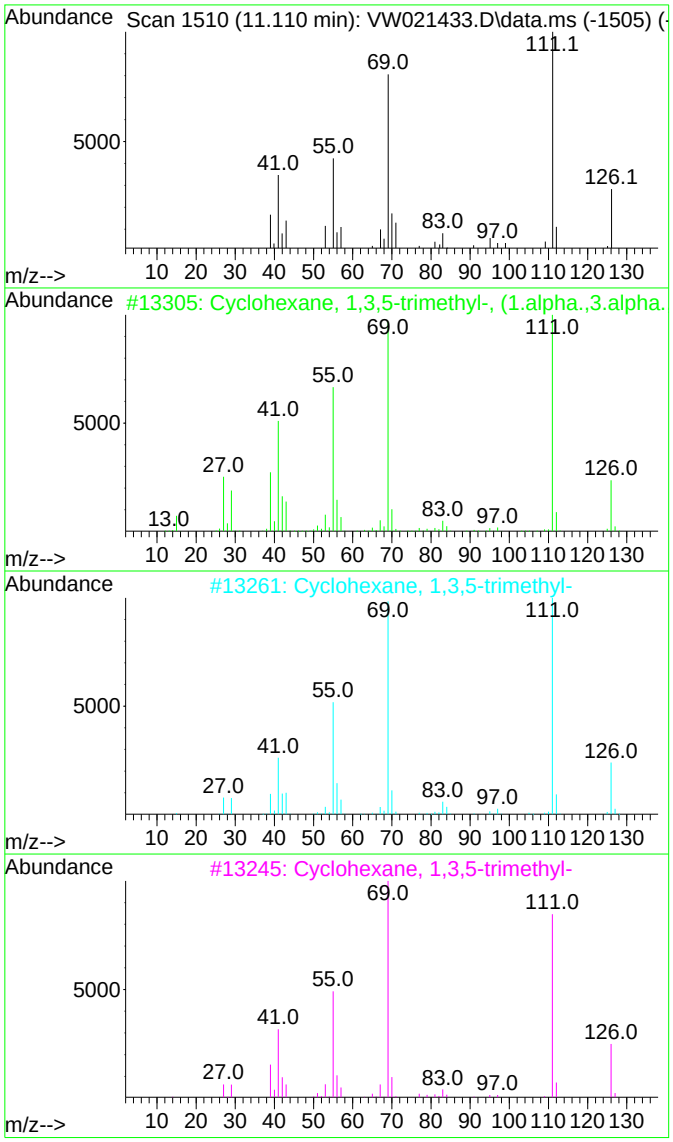
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

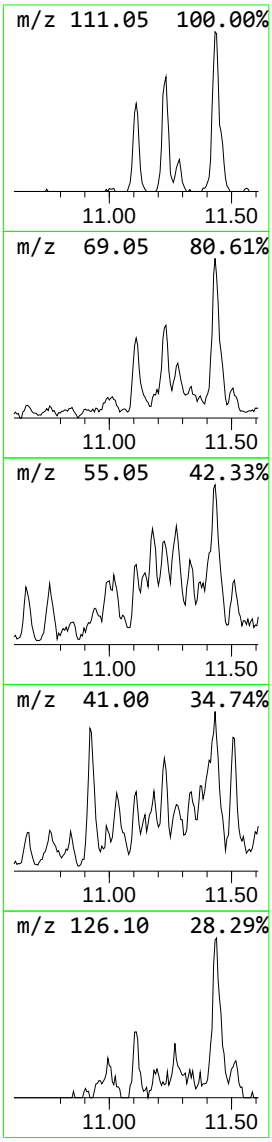
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic11.110 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.110	1.65 ug/L	17452	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	86
2	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	86
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	83
4	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	72
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

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

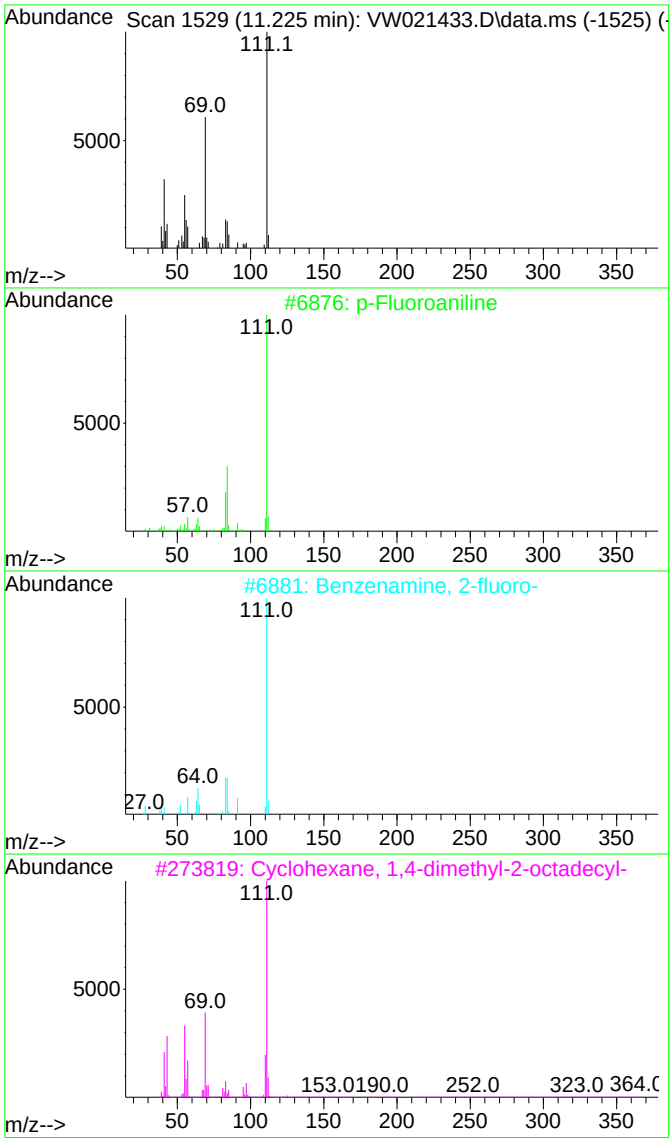
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

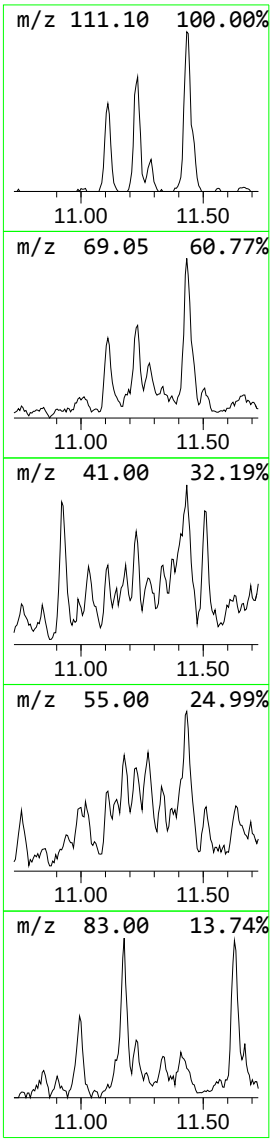
****

Peak Number 12 p-Fluoroaniline Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.225	1.42 ug/L	14981	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Fluoroaniline	111	C6H6FN	000371-40-4	72
2	Benzenamine, 2-fluoro-	111	C6H6FN	000348-54-9	64
3	Cyclohexane, 1,4-dimethyl-2-octa...	364	C26H52	055282-02-5	64
4	2-Fluoro-6-methylpyridine	111	C6H6FN	000407-22-7	59
5	4-Amino-6-hydroxypyrimidine	111	C4H5N3O	001193-22-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

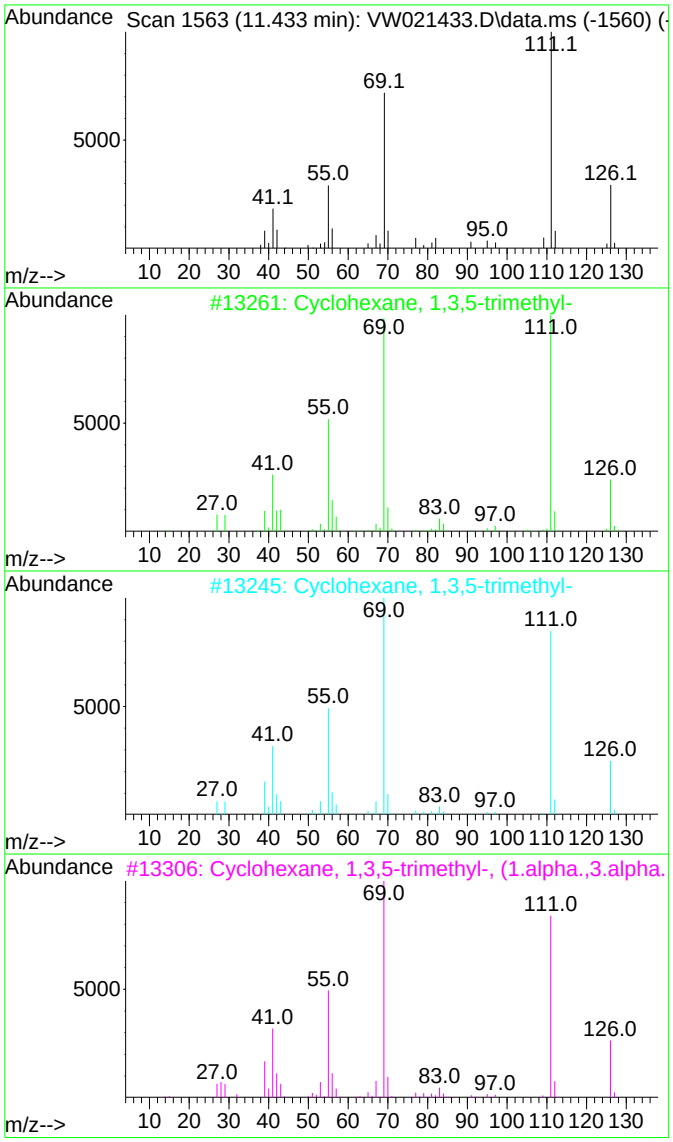
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

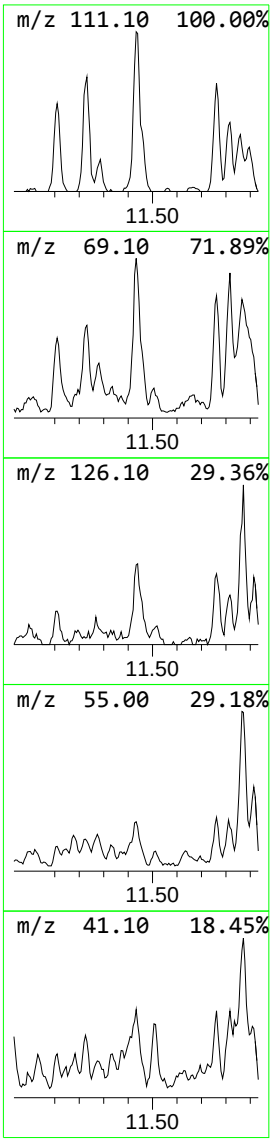
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Cyclic11.433 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.433	3.72 ug/L	39381	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
2	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	86
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	86
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	83
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

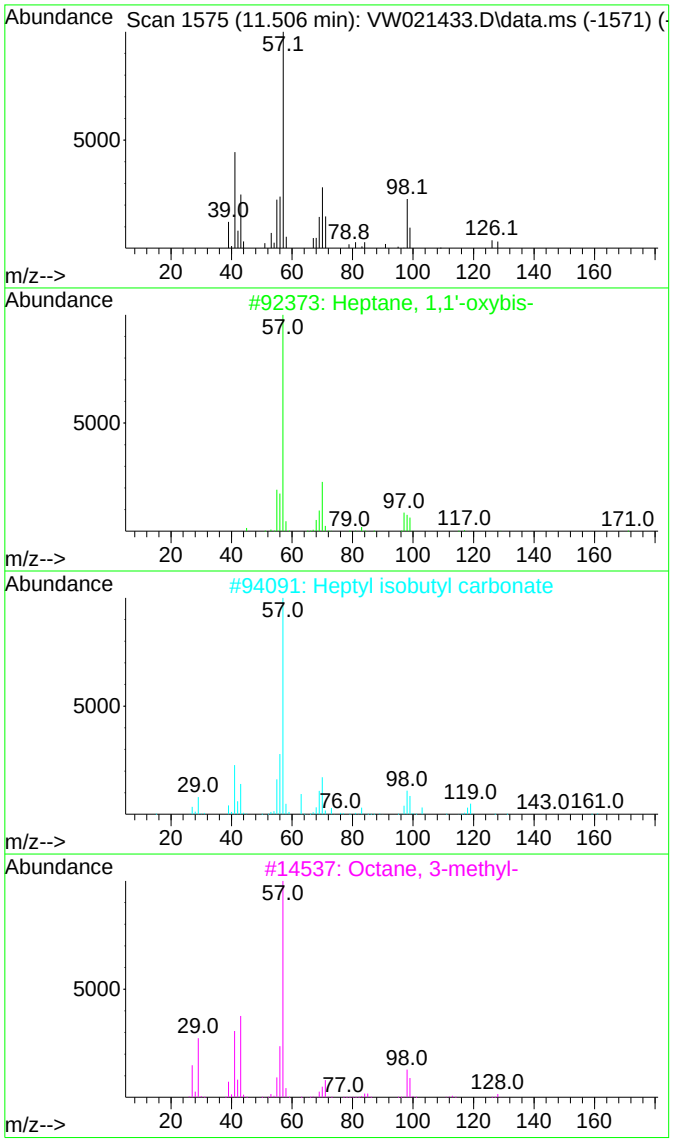
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

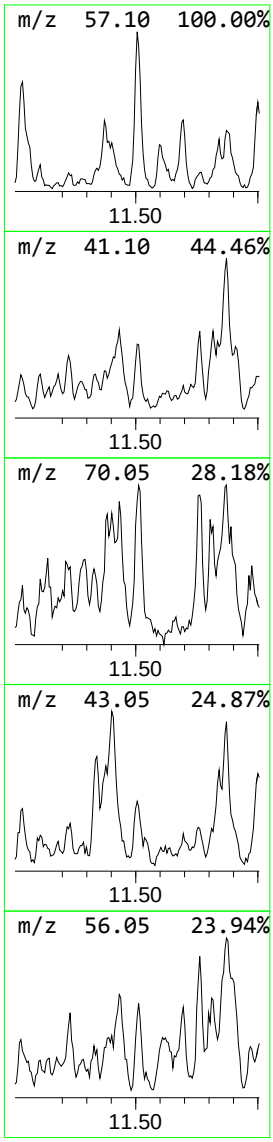
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Heptane, 1,1'-oxybis- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.506	2.07 ug/L	21903	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	59
2	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	59
3	Octane, 3-methyl-	128	C9H20	002216-33-3	52
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	50
5	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

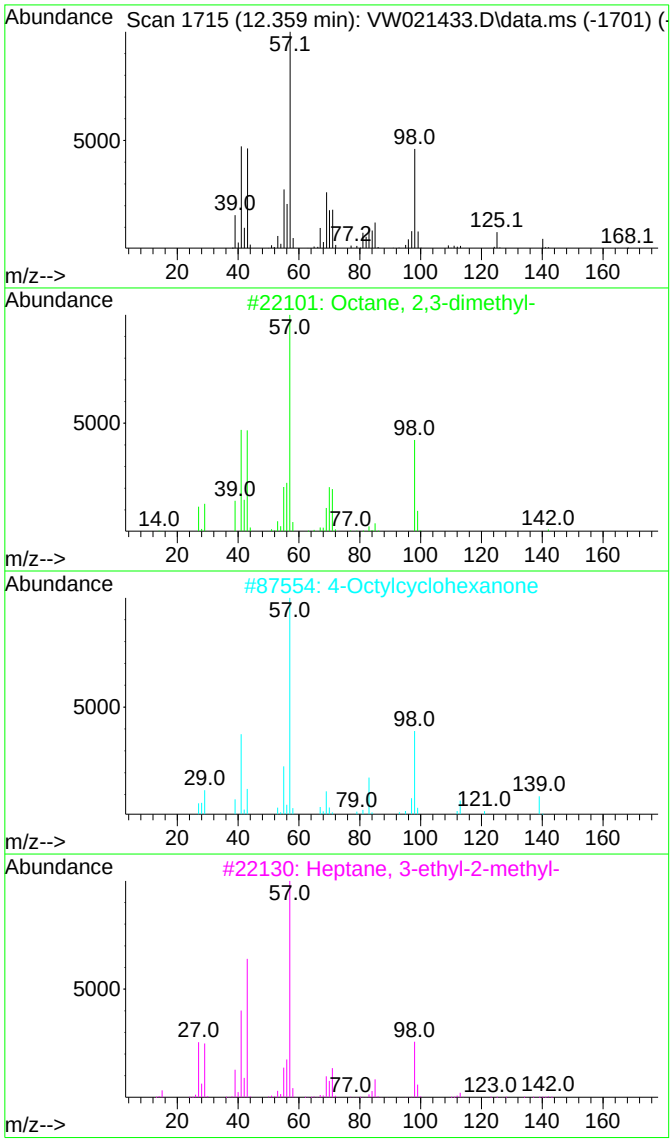
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

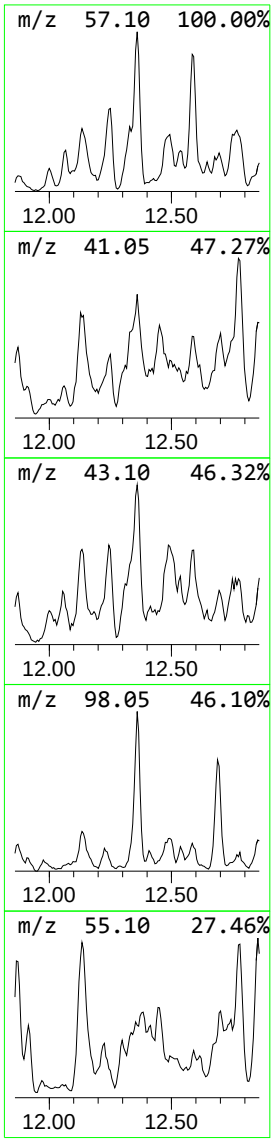
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.359	24.47 ug/L	259005	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	70
2	4-Octylcyclohexanone	210	C14H26O	1000428-94-1	50
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50
4	Heptane, 3-ethyl-	128	C9H20	015869-80-4	38
5	Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

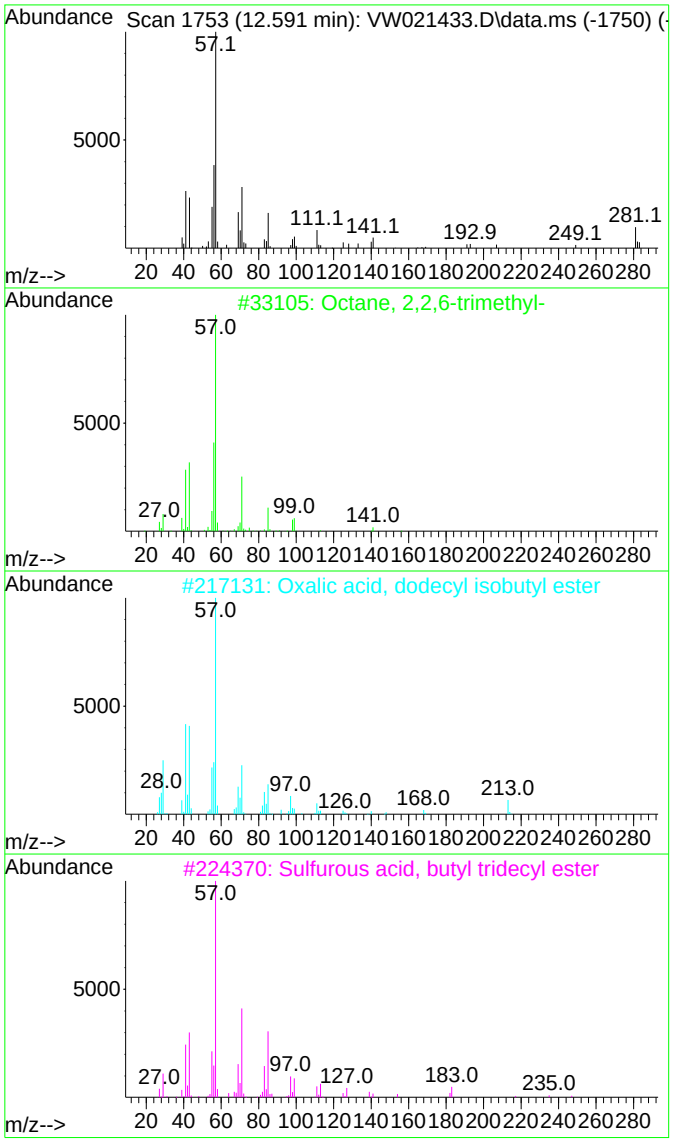
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

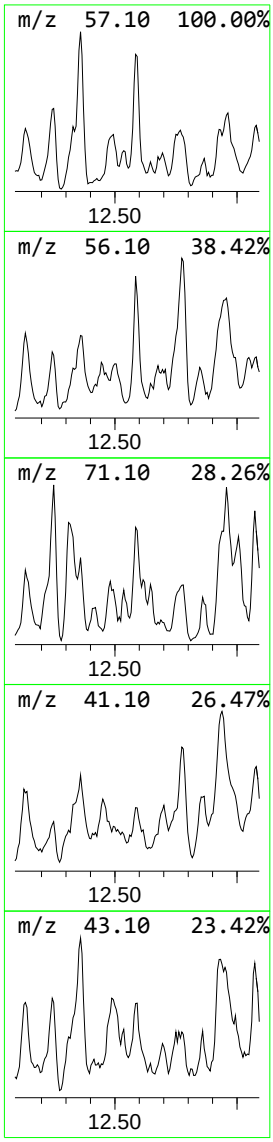
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.591	6.96 ug/L	73657	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	64
2	Oxalic acid, dodecyl isobutyl ester	314	C18H34O4	1000309-37-7	50
3	Sulfurous acid, butyl tridecyl e...	320	C17H36O3S	1000309-18-0	43
4	Tridecane, 3-methyl-	198	C14H30	006418-41-3	38
5	Undecane, 5-ethyl-	184	C13H28	017453-94-0	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

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

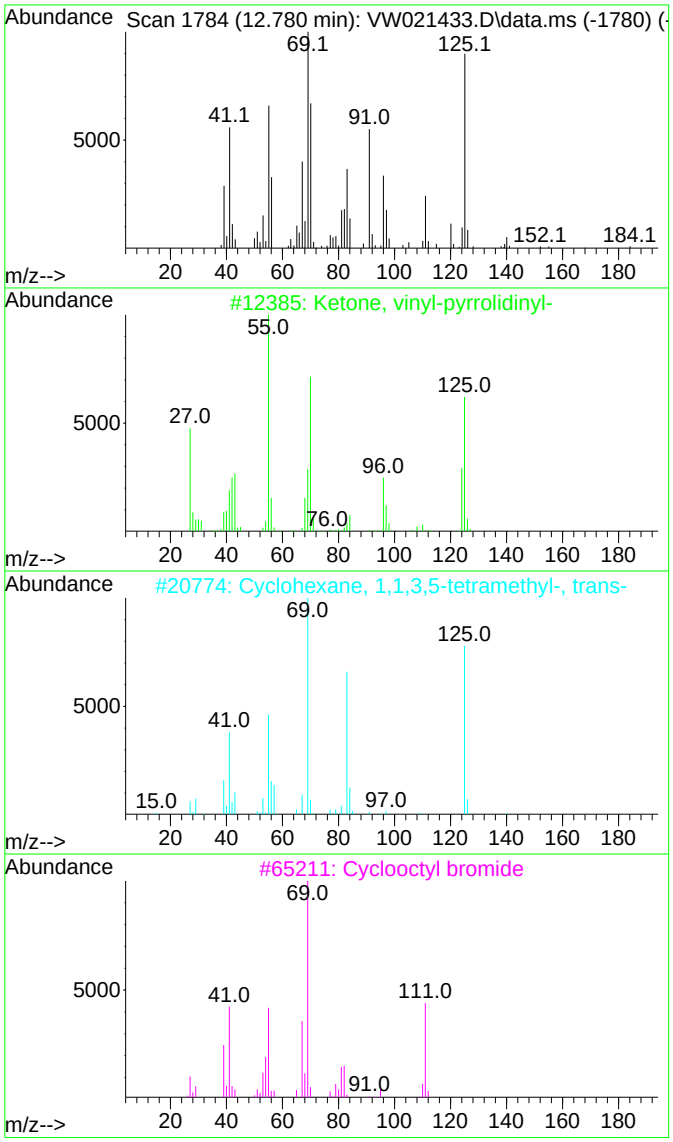
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

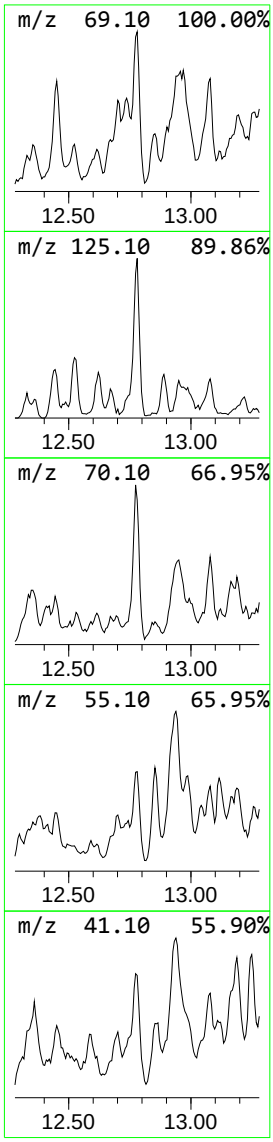
****

Peak Number 17 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	6.52 ug/L	222714	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ketone, vinyl-pyrrolidinyl-	125	C7H11NO	042104-70-1	45
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	43
3	Cyclooctyl bromide	190	C8H15Br	001556-09-8	35
4	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	35
5	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

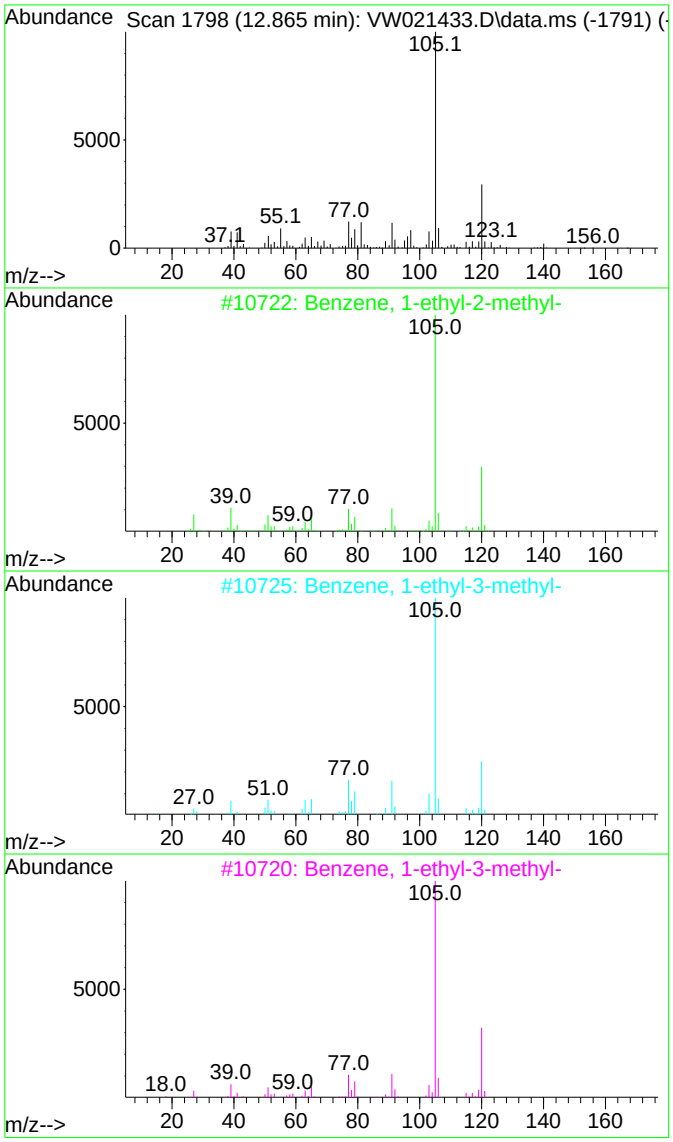
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

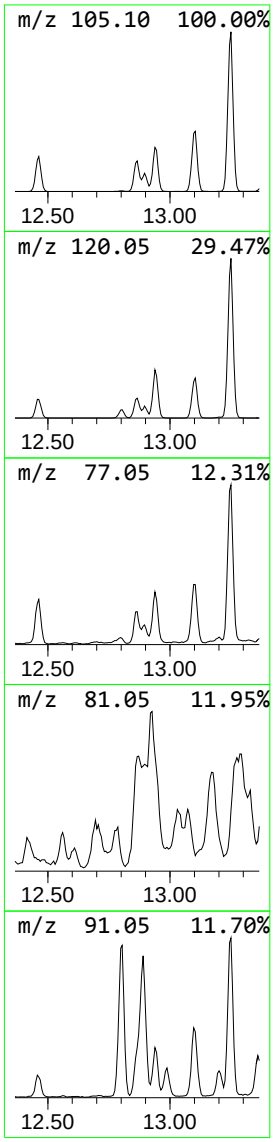
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	9.37 ug/L	320137	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

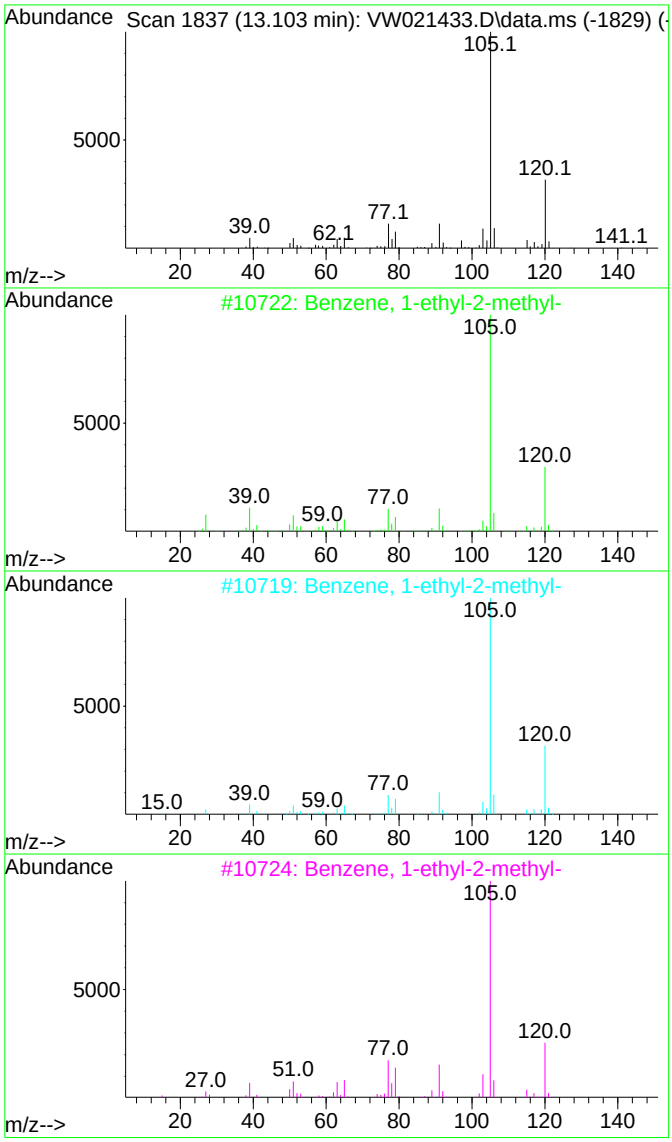
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

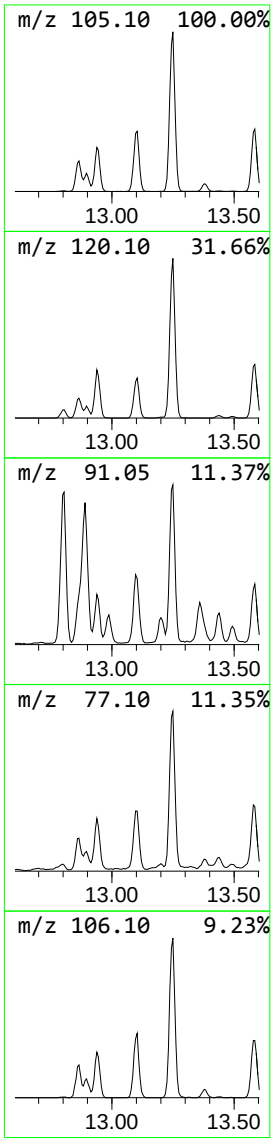
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzene, 1-ethyl-4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	13.72 ug/L	468800	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

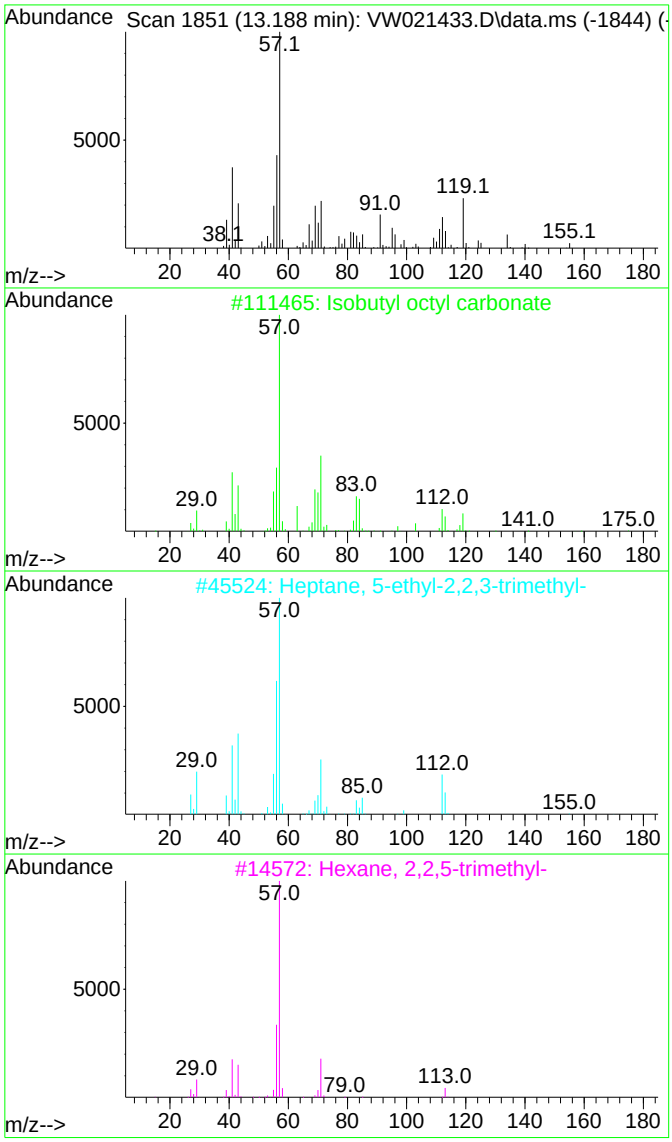
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

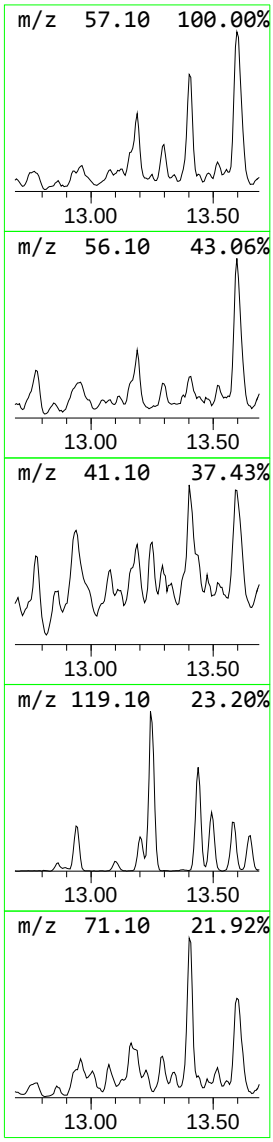
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Isobutyl octyl carbonate Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.188	4.71 ug/L	160843	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutyl octyl carbonate	230	C13H26O3	1010372-74-6	59
2	Heptane, 5-ethyl-2,2,3-trimethyl-	170	C12H26	062199-06-8	50
3	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	43
4	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	38
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

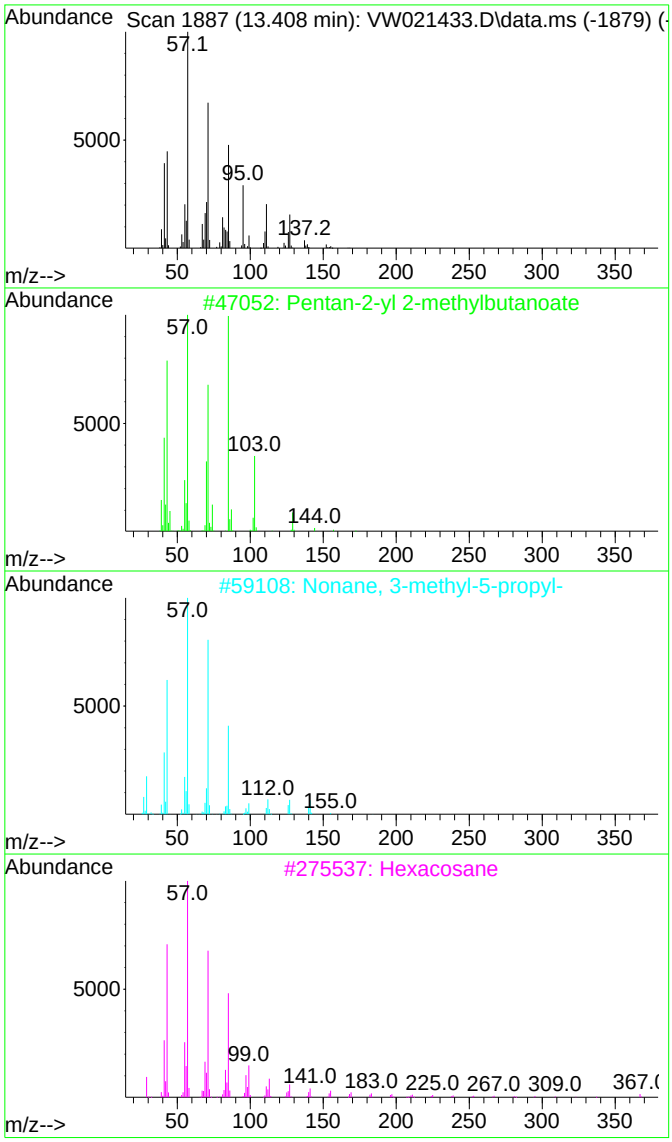
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

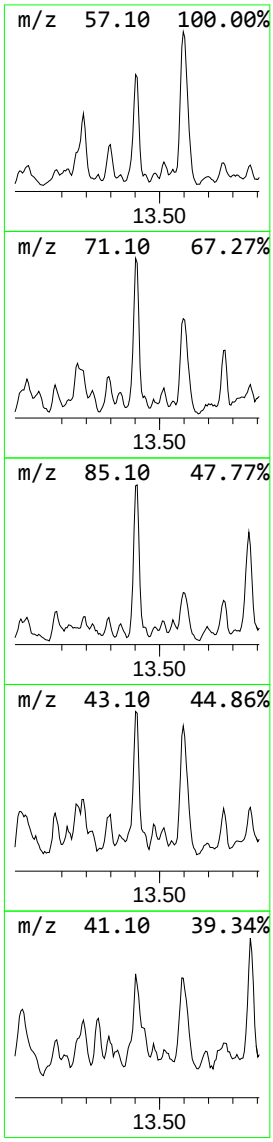
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Pentan-2-yl 2-methylbutanoate Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.408	8.43 ug/L	288132	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentan-2-yl 2-methylbutanoate	172	C10H20O2	1000372-71-7	50
2	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	50
3	Hexacosane	366	C26H54	000630-01-3	47
4	Heneicosane	296	C21H44	000629-94-7	47
5	Octadecane	254	C18H38	000593-45-3	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

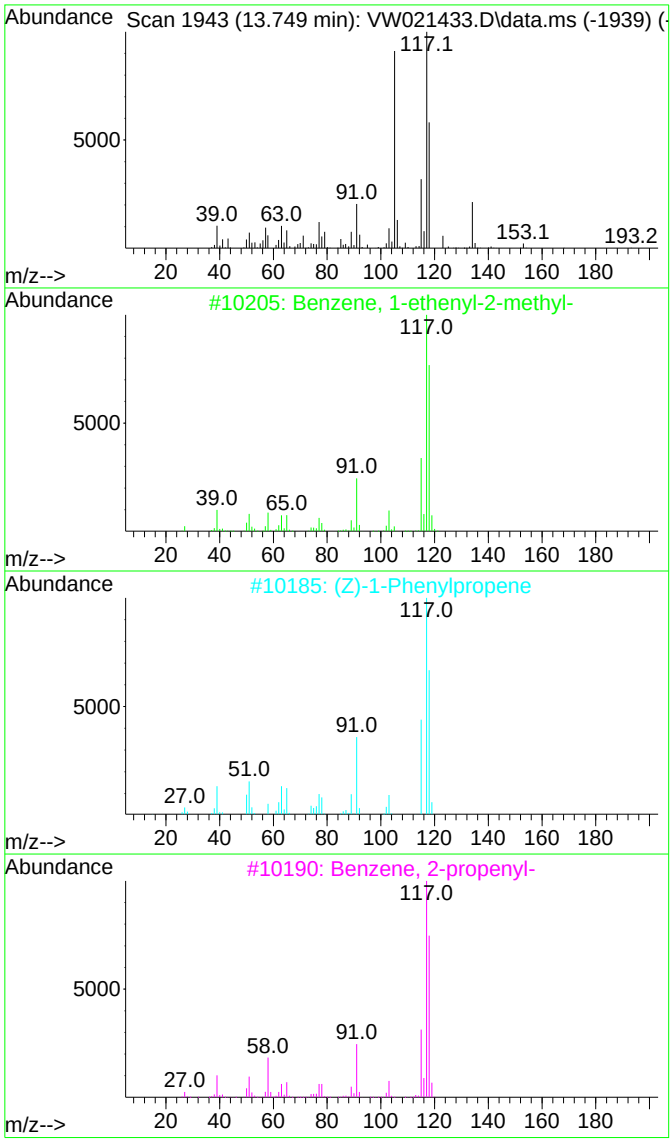
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

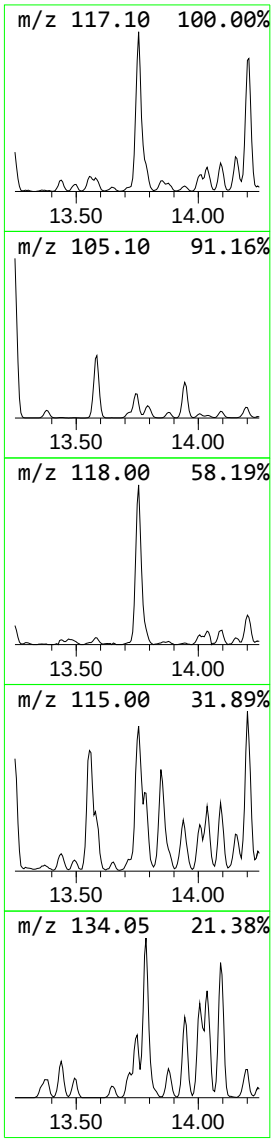
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzene, 1-ethenyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.749	8.77 ug/L	299484	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60
2	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	60
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	60
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

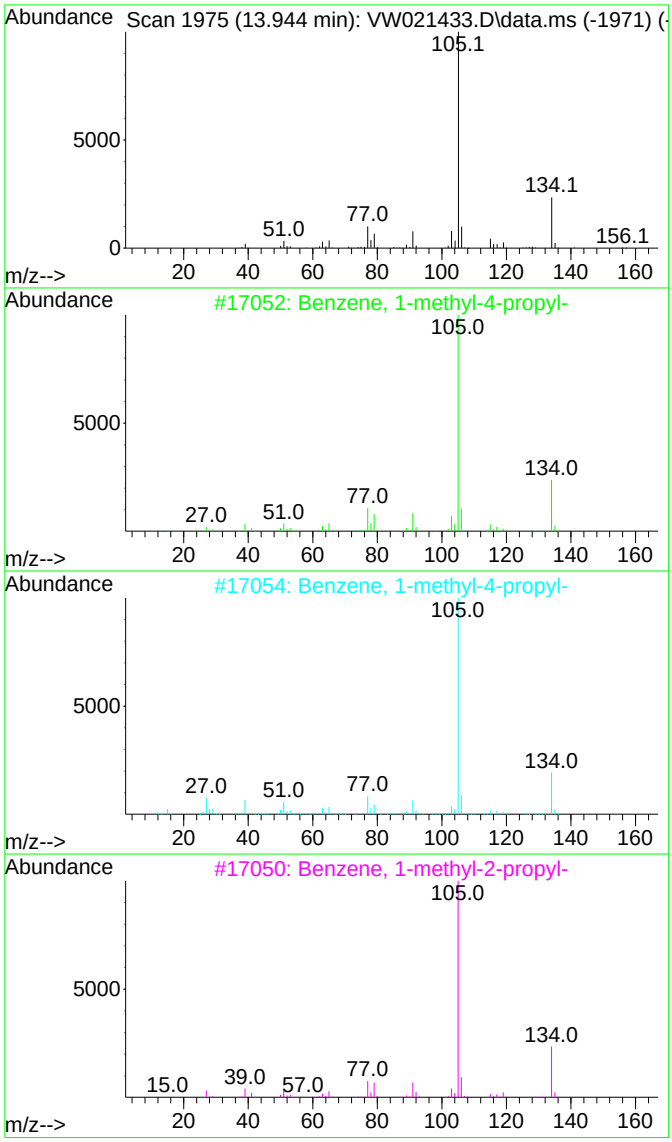
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

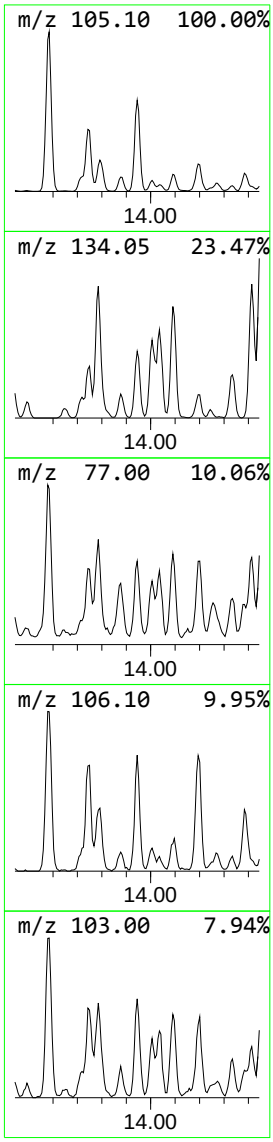
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Benzene, 1-methyl-4-propyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.944	4.81 ug/L	164382	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

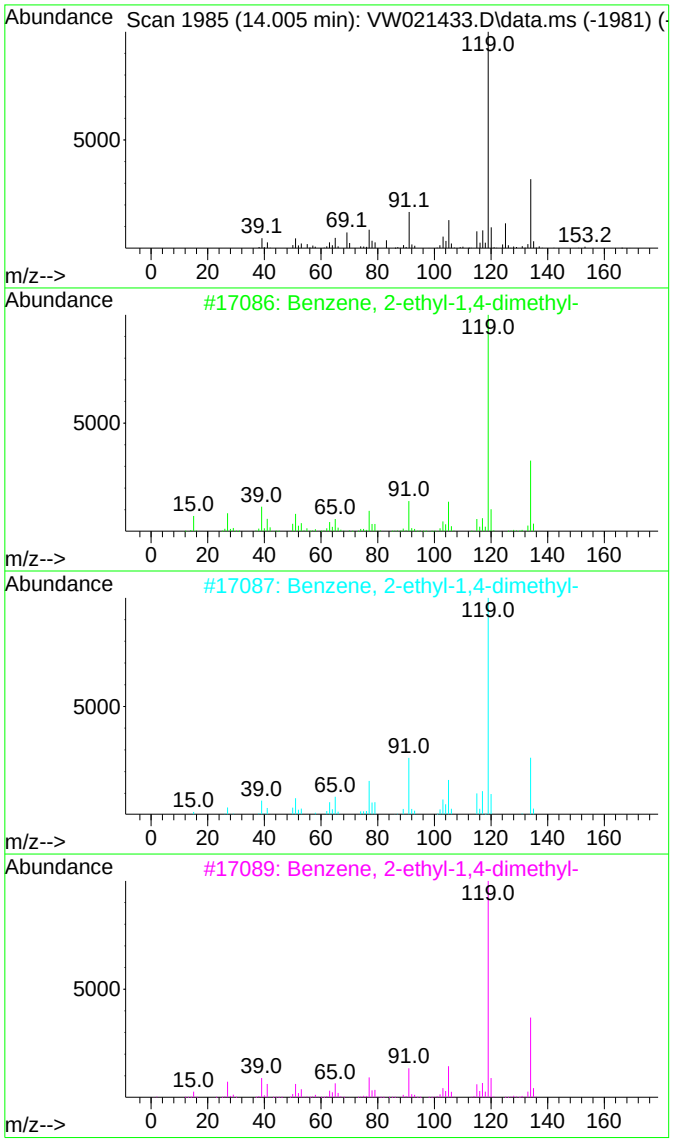
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

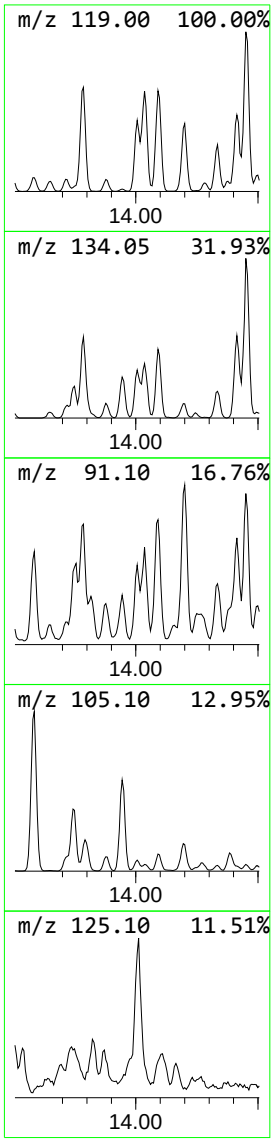
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.005	5.47 ug/L	186909	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

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

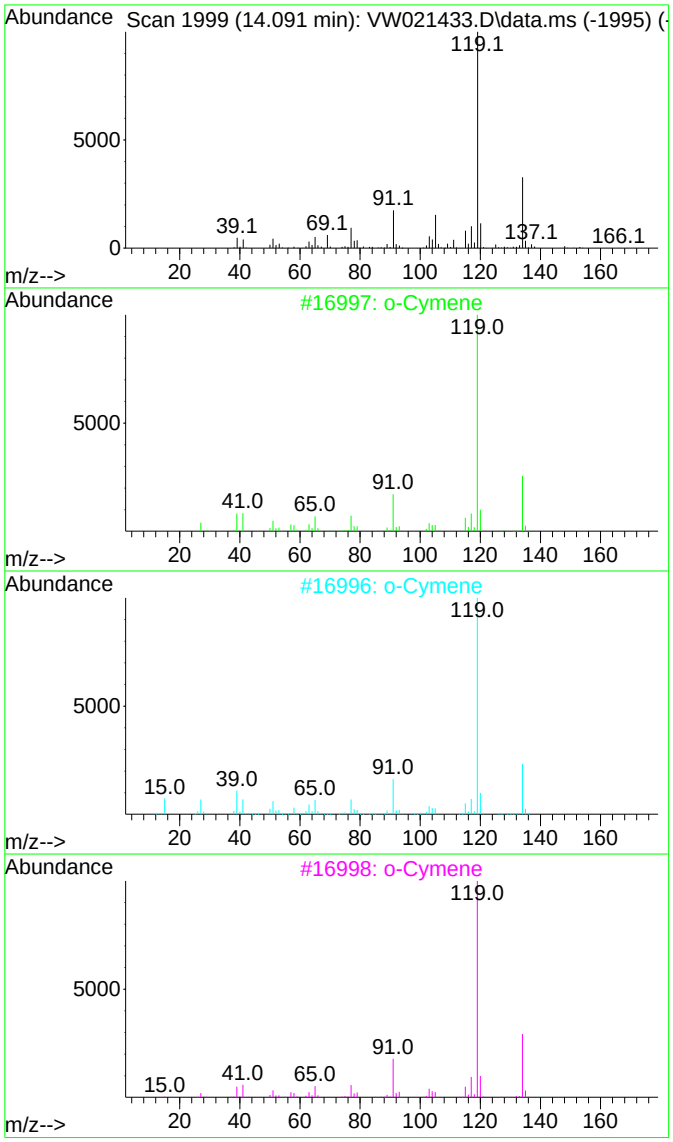
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

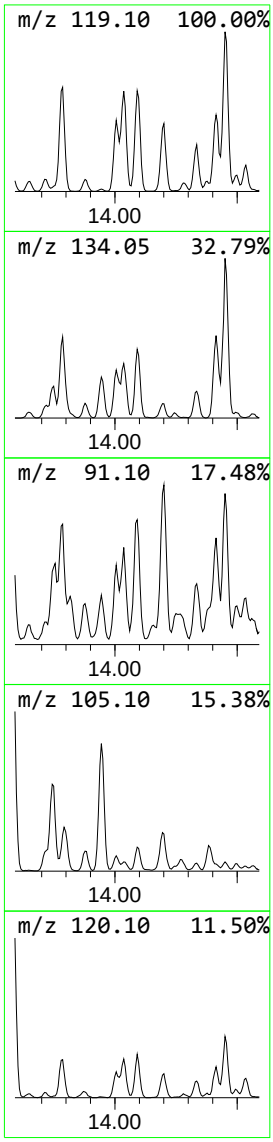
****

Peak Number 25 o-Cymene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.091	10.98 ug/L	375058	1,4-Dichlorobenzene-d4	13.554

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

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

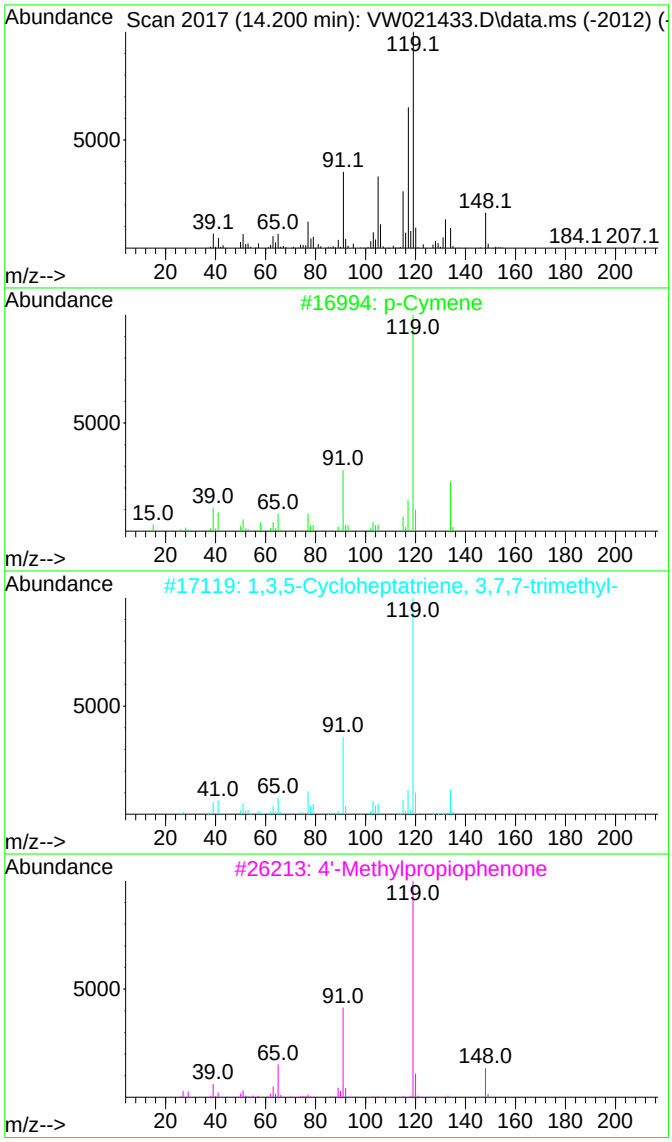
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

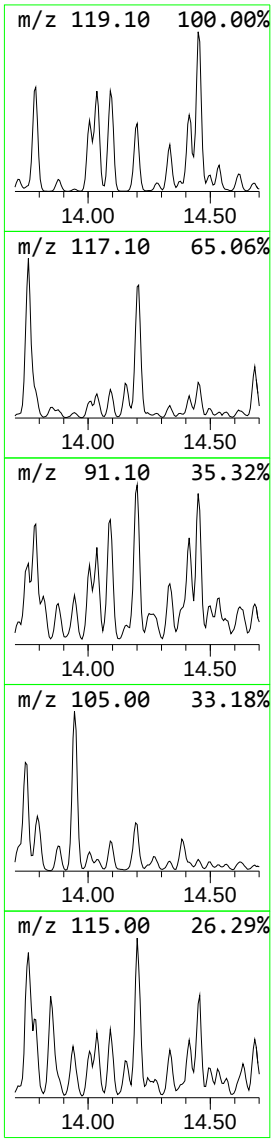
****

Peak Number 26 p-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.201	9.80 ug/L	334968	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	50
2	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	49
3	4'-Methylpropiophenone	148	C10H12O	005337-93-9	46
4	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	46
5	p-Cymene	134	C10H14	000099-87-6	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

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

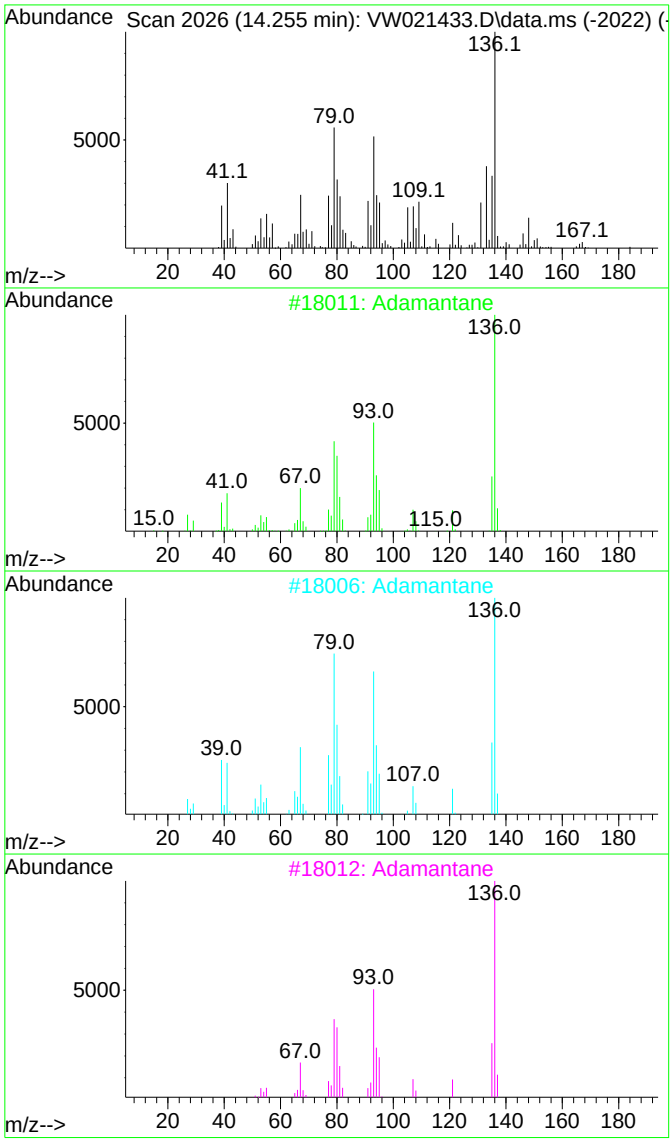
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

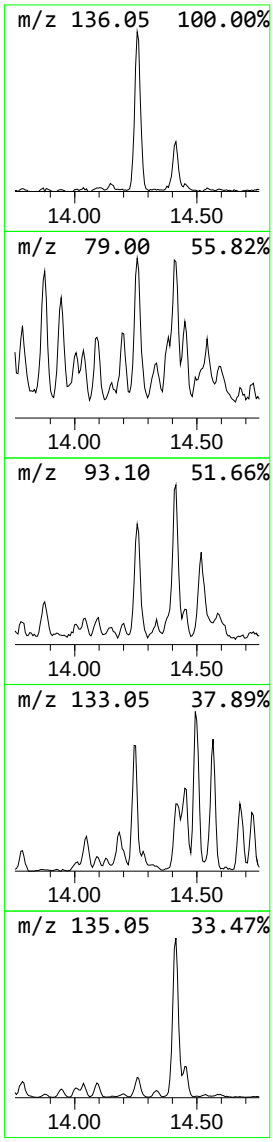
****

Peak Number 27 Adamantane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.255	6.63 ug/L	226369	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	89
2	Adamantane	136	C10H16	000281-23-2	86
3	Adamantane	136	C10H16	000281-23-2	76
4	Adamantane	136	C10H16	000281-23-2	70
5	Adamantane	136	C10H16	000281-23-2	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

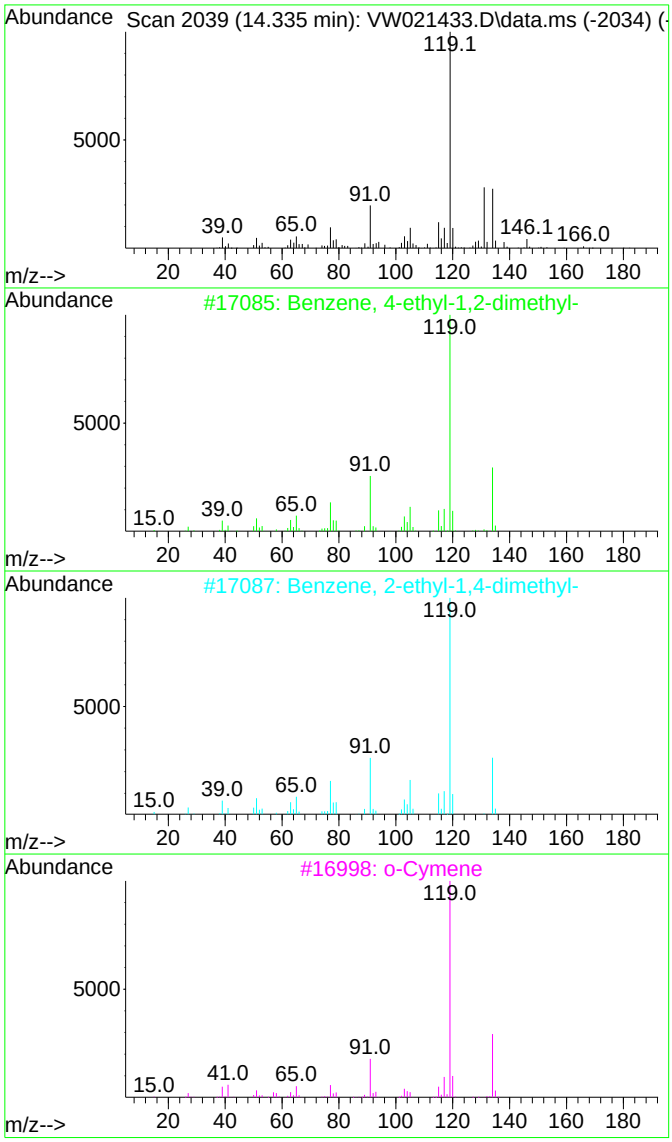
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

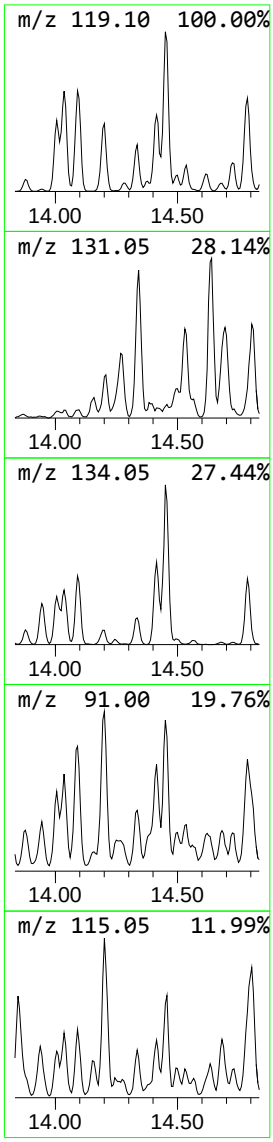
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.335	5.00 ug/L	170761	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
3	o-Cymene	134	C10H14	000527-84-4	93
4	o-Cymene	134	C10H14	000527-84-4	93
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

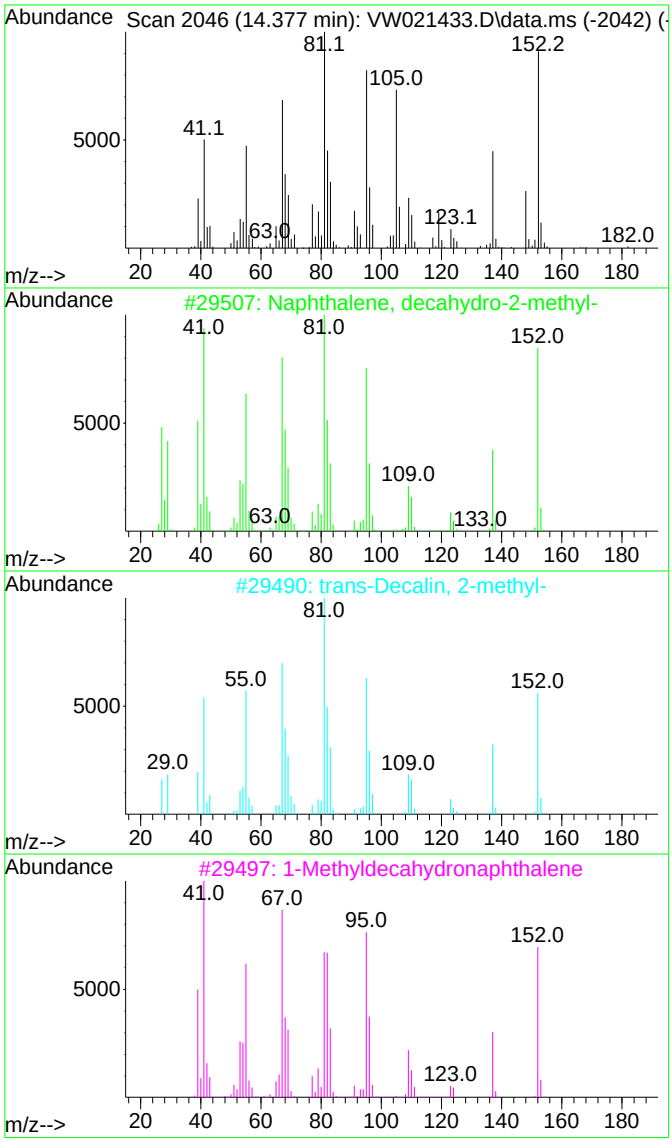
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

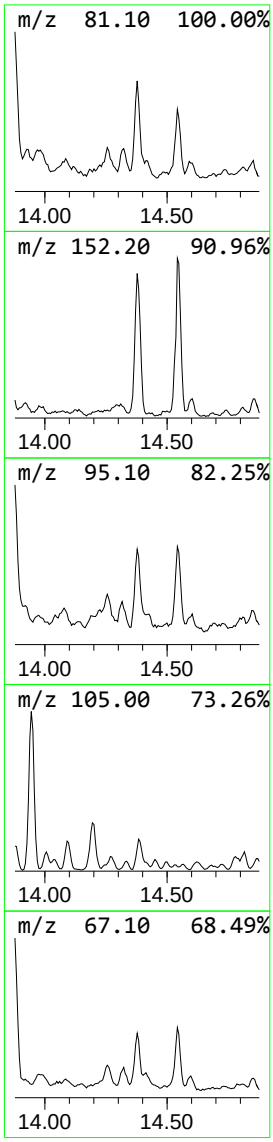
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Naphthalene, decahydro-2-me... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.377	5.27 ug/L	180211	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	95
3	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	83
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	83
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

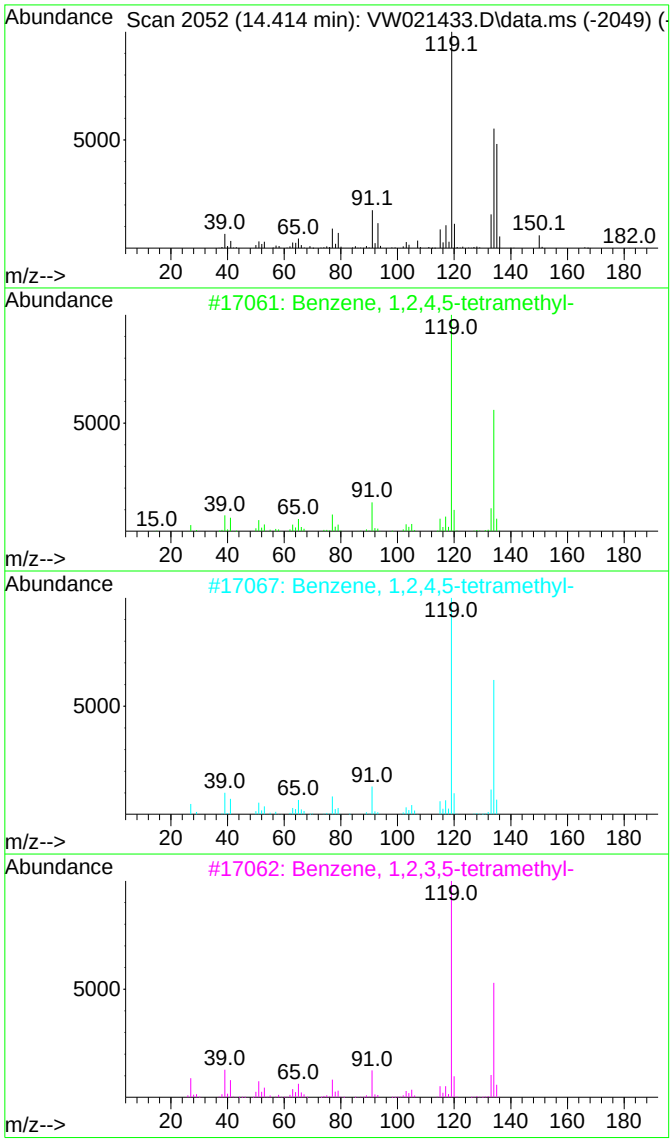
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

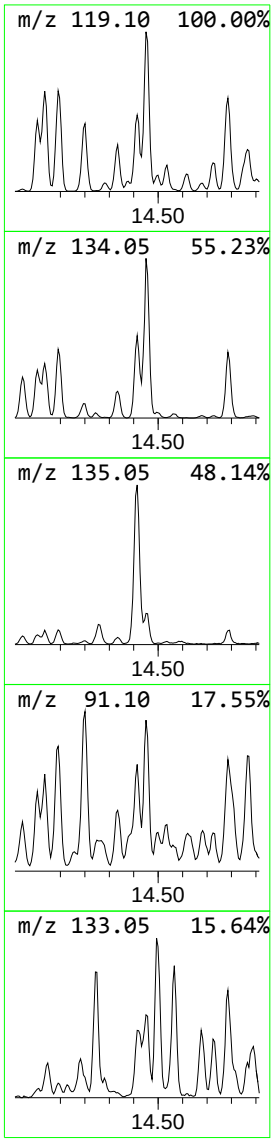
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.414	7.26 ug/L	247941	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	92
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

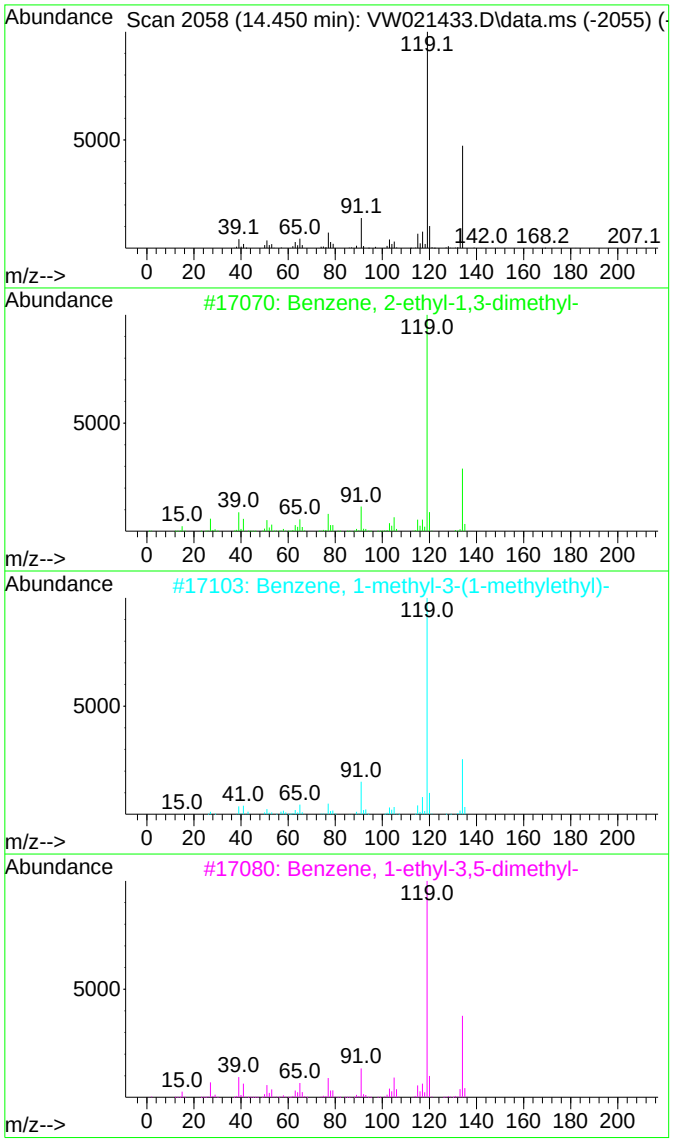
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

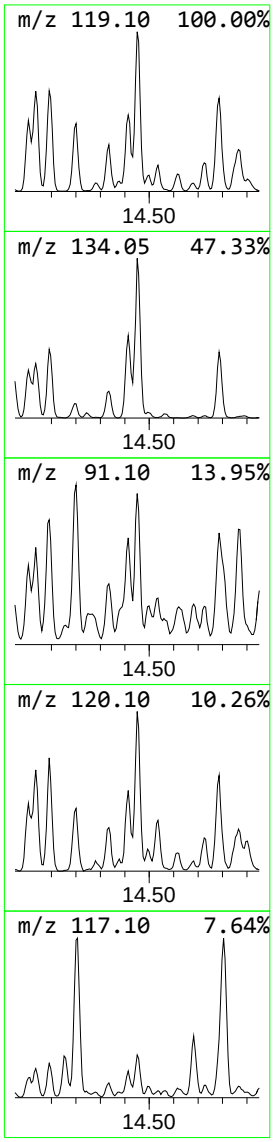
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.450	10.61 ug/L	362653	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	p-Cymene	134	C10H14	000099-87-6	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

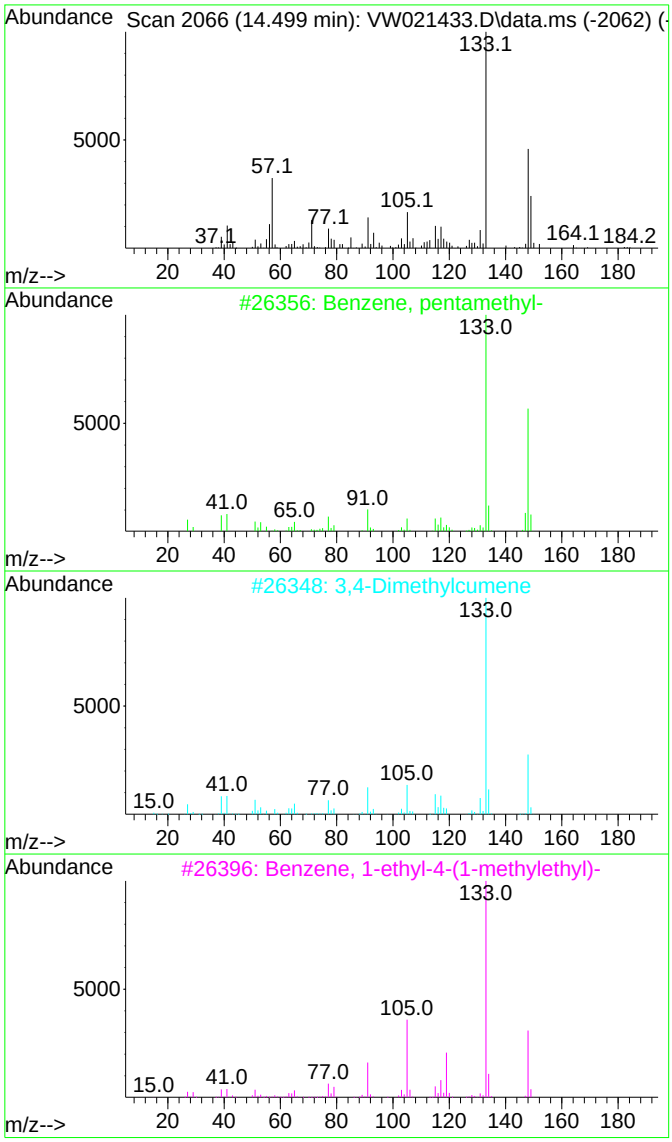
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

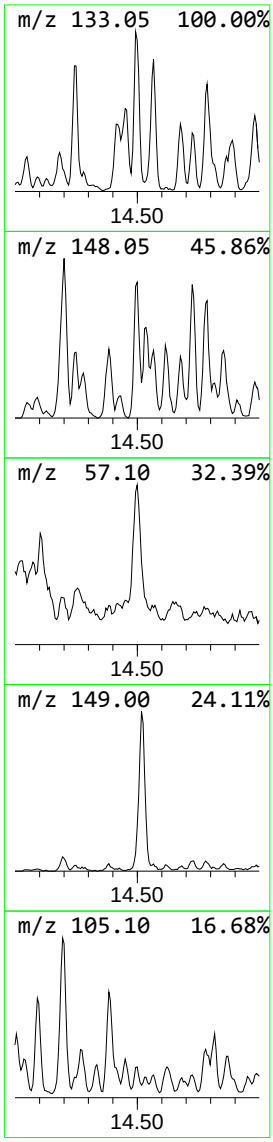
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Benzene, pentamethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.499	2.54 ug/L	86738	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	83
2	3,4-Dimethylcumene	148	C11H16	1000370-34-1	83
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	80
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	80
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

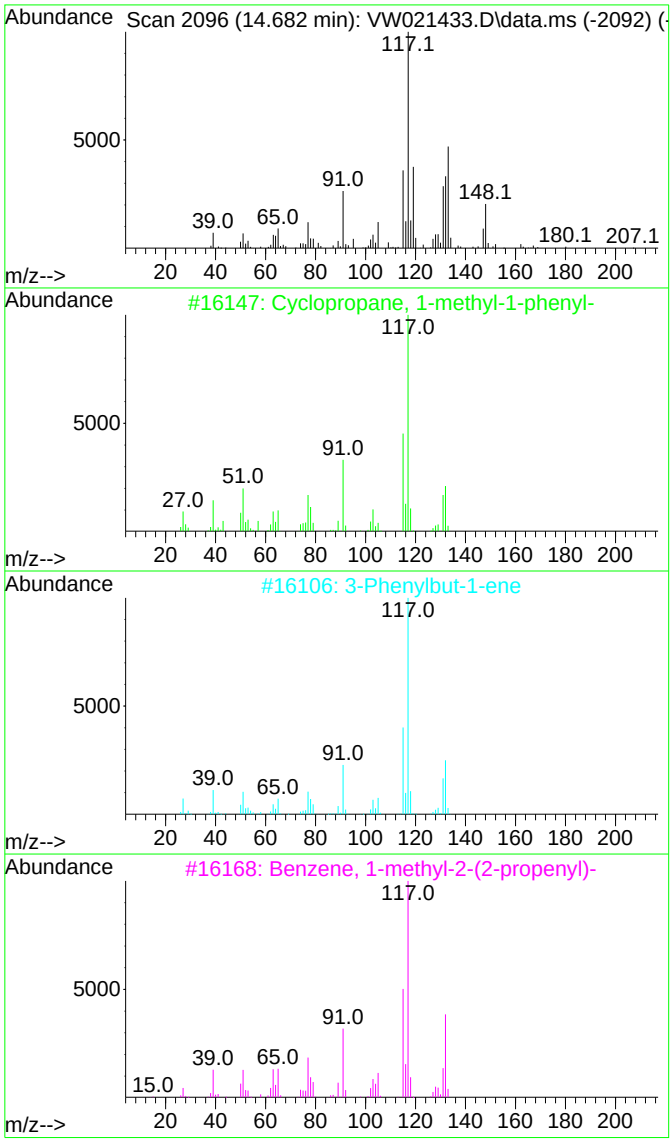
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

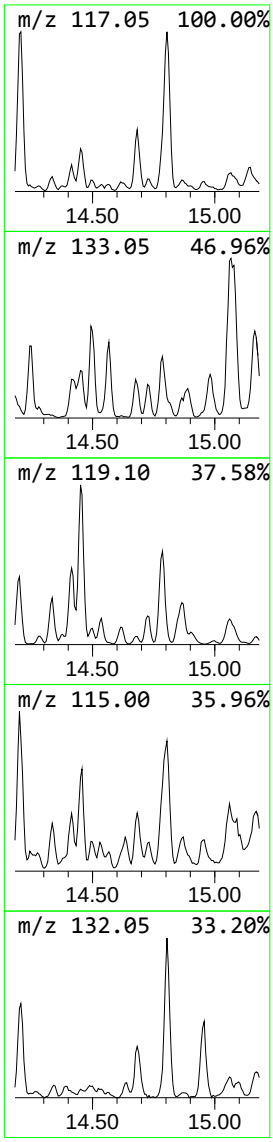
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Cyclopropane, 1-methyl-1-ph... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.682	2.77 ug/L	94599	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1-methyl-1-phenyl-	132	C10H12	002214-14-4	78
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	64
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	60
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	60
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

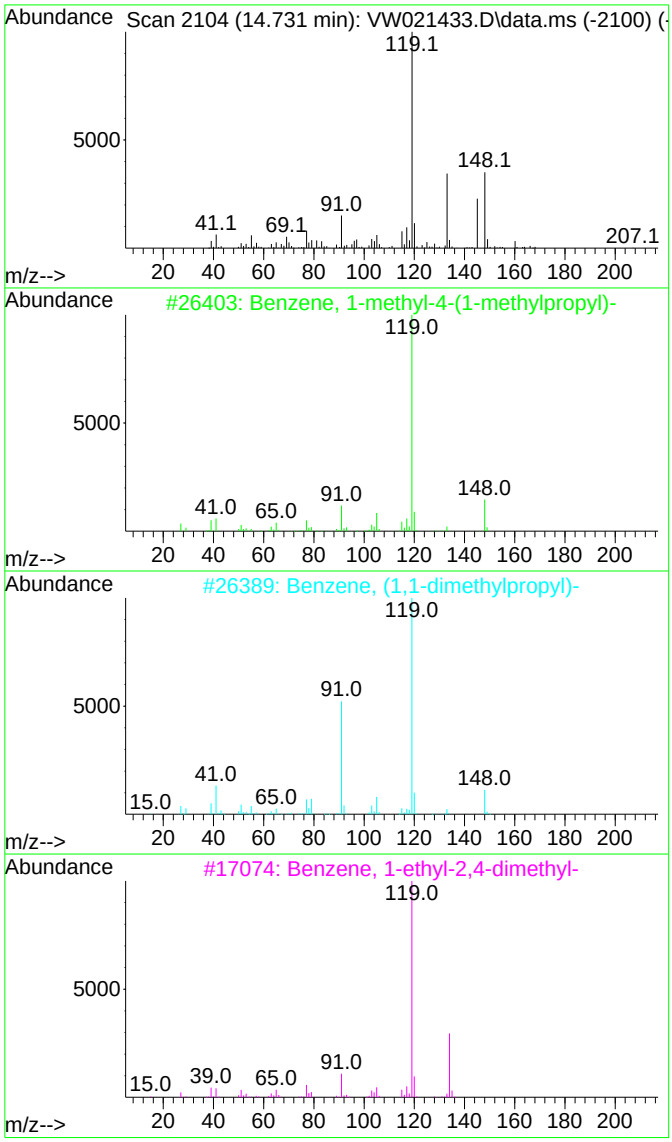
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

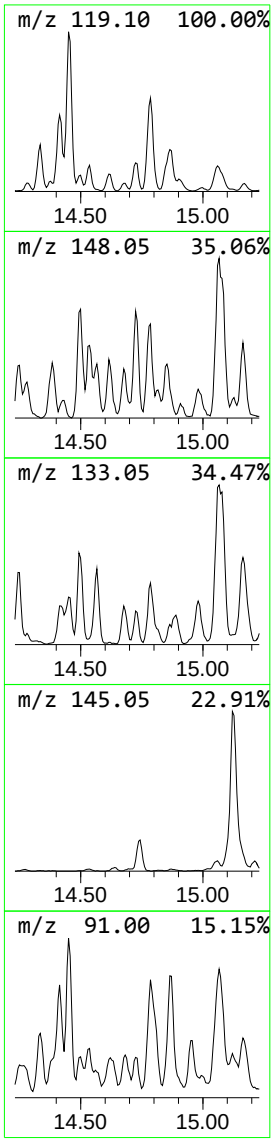
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Benzene, 1-methyl-4-(1-meth... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.731	2.72 ug/L	92958	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	76
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	70
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	60
4	2,4-Dimethylphenethyl alcohol	150	C10H14O	006597-59-7	53
5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

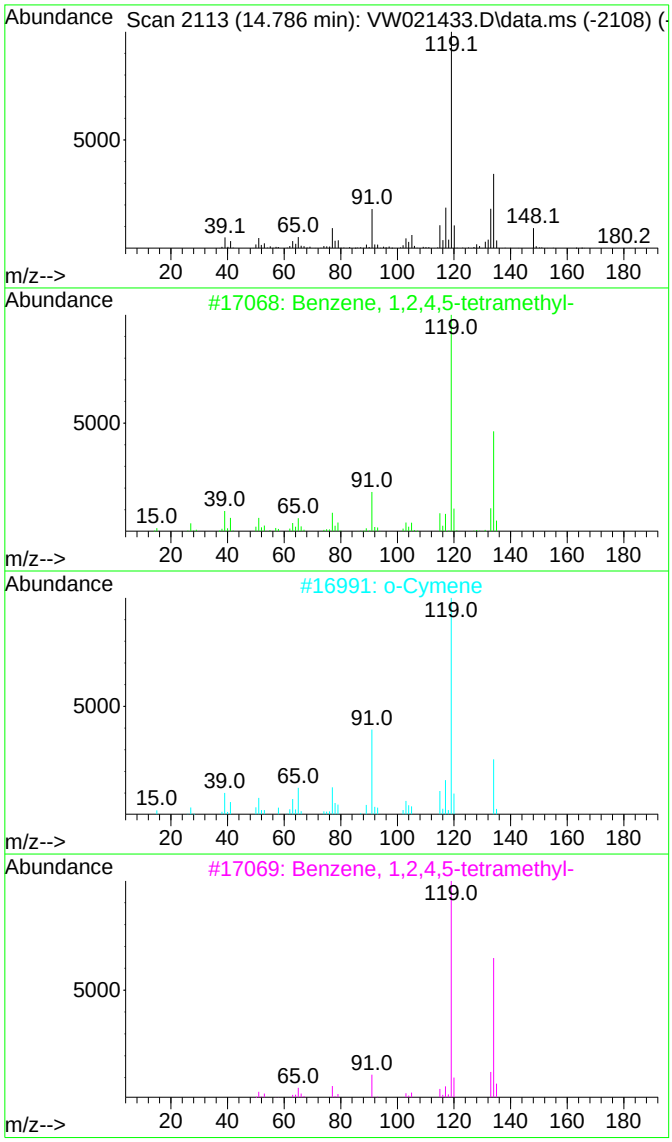
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

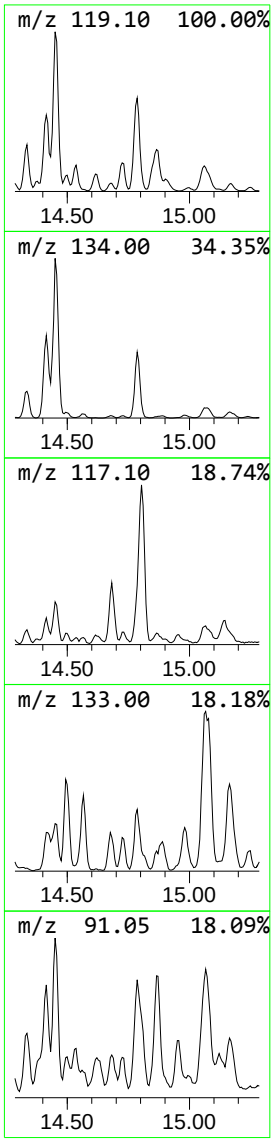
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.786	14.33 ug/L	489463	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
2	o-Cymene	134	C10H14	000527-84-4	87
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	87
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

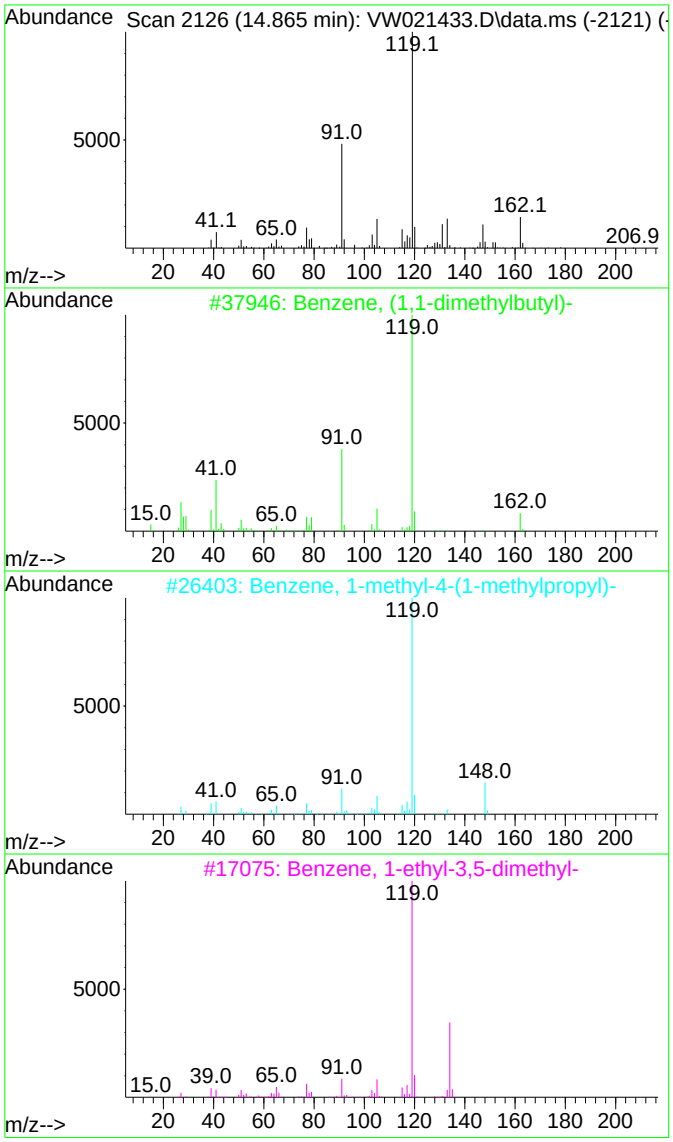
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

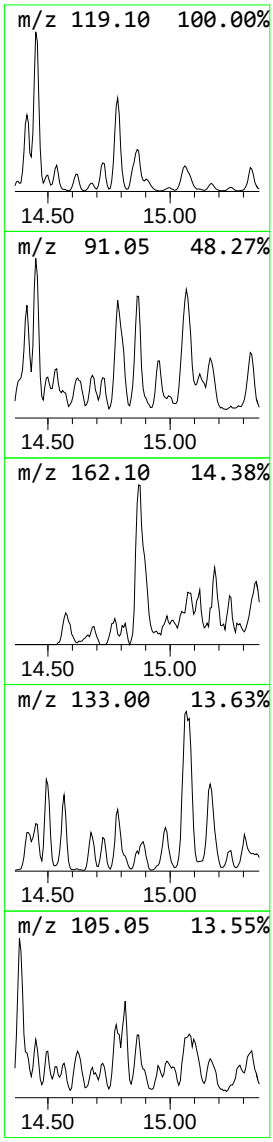
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 Benzene, (1,1-dimethylbutyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.865	6.50 ug/L	222099	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylbutyl)-	162	C12H18	001985-57-5	74
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	62
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	59
4	Benzene, 1-ethyl-4-(2-methylprop...	162	C12H18	100319-40-2	59
5	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

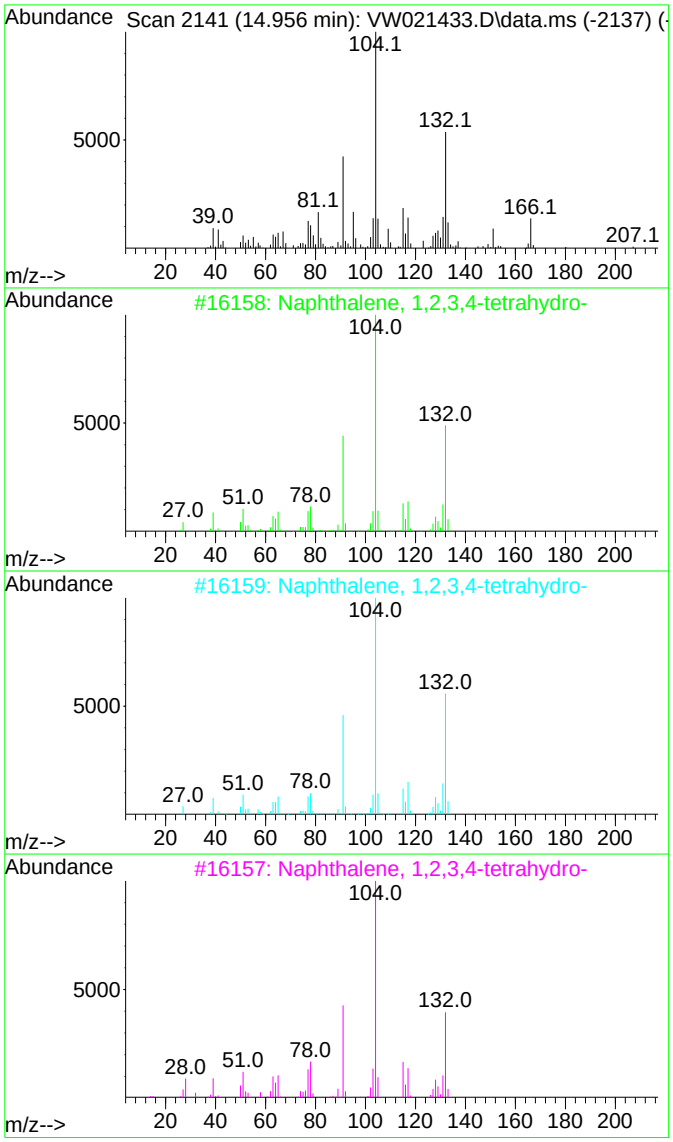
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

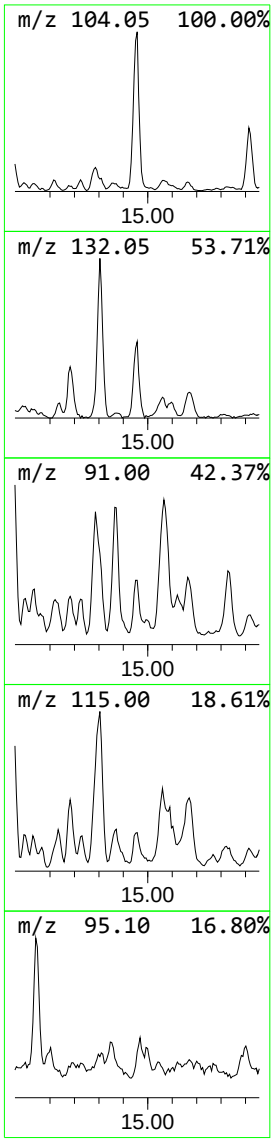
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.956	3.22 ug/L	110096	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

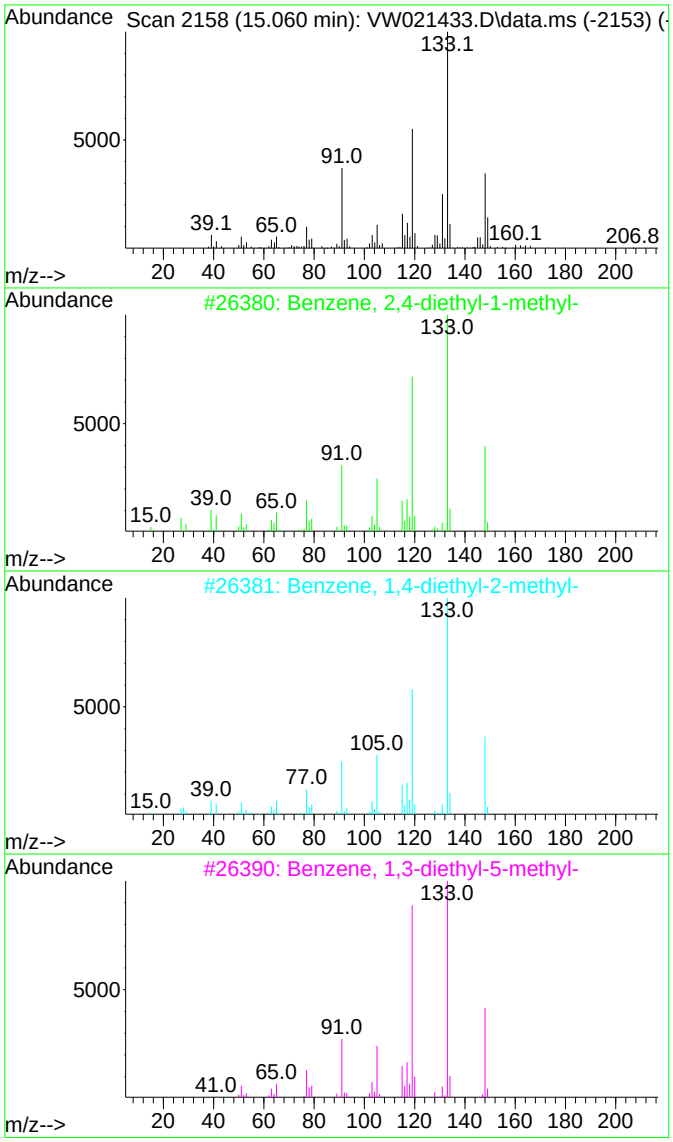
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

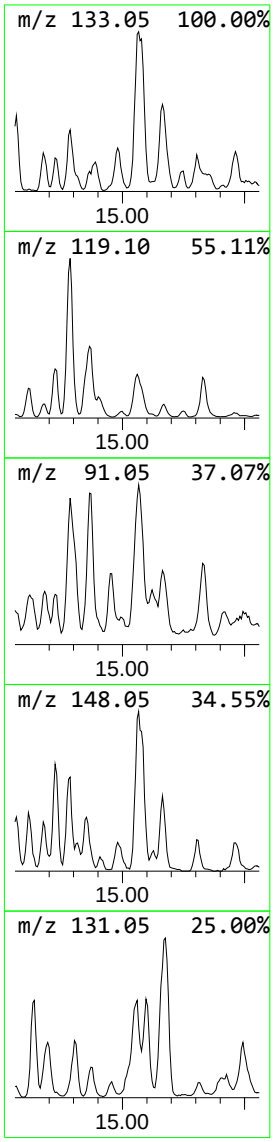
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	9.64 ug/L	329256	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	90
2	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	81
3	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	81
4	3,4-Dimethylcumene	148	C11H16	1000370-34-1	64
5	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

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

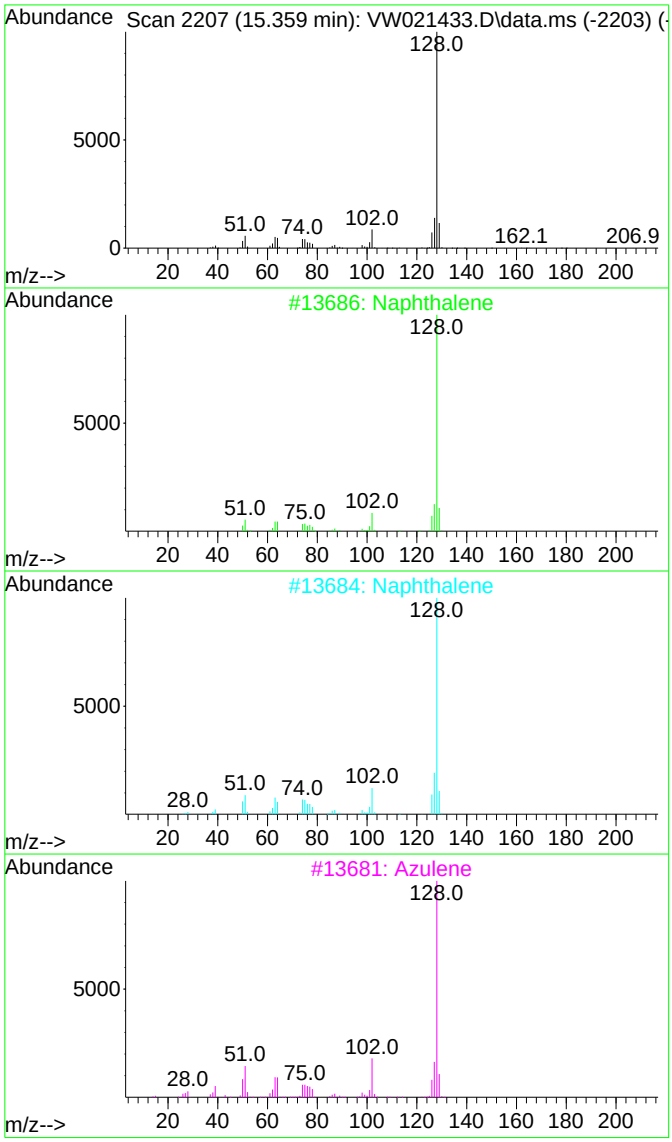
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

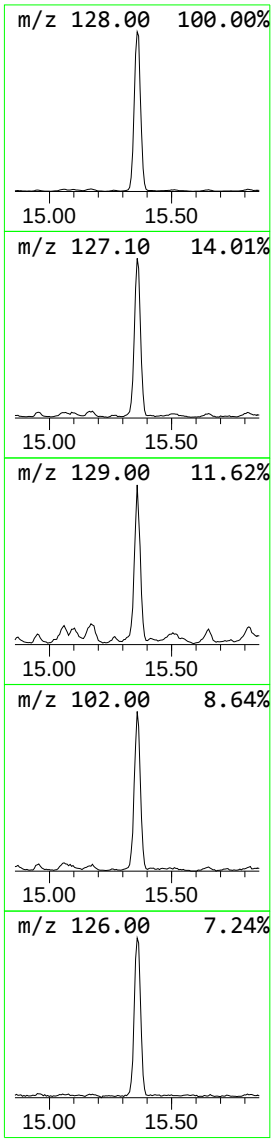
****

Peak Number 39 Azulene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.359	15.49 ug/L	529063	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Naphthalene	128	C10H8	000091-20-3	94
3	Azulene	128	C10H8	000275-51-4	91
4	Azulene	128	C10H8	000275-51-4	91
5	Azulene	128	C10H8	000275-51-4	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

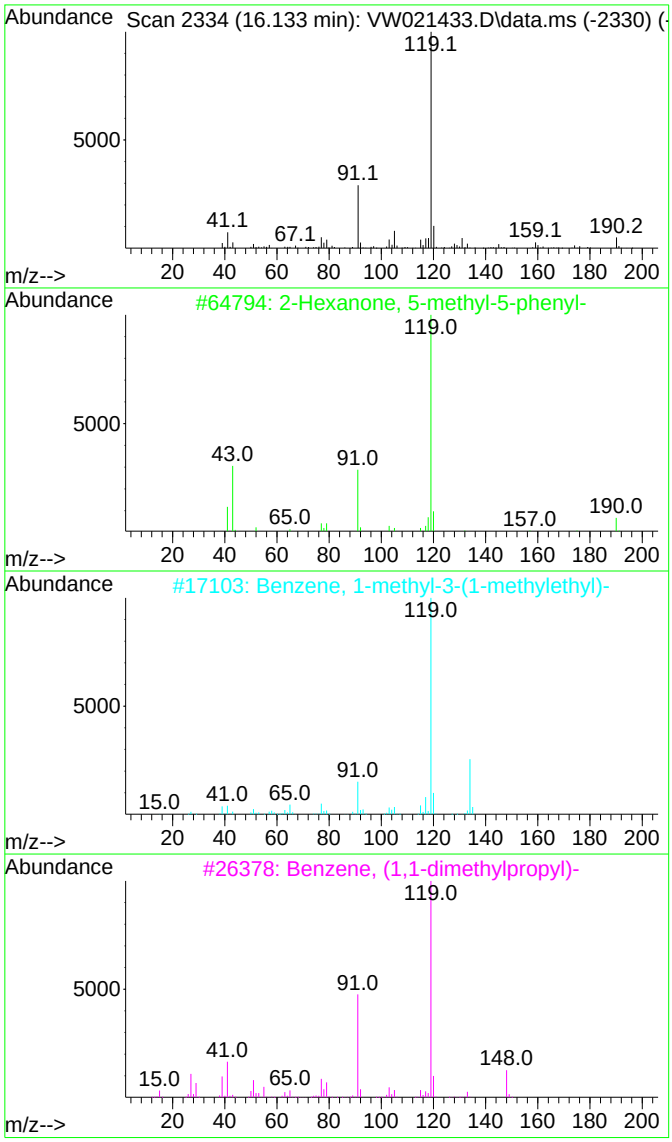
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0

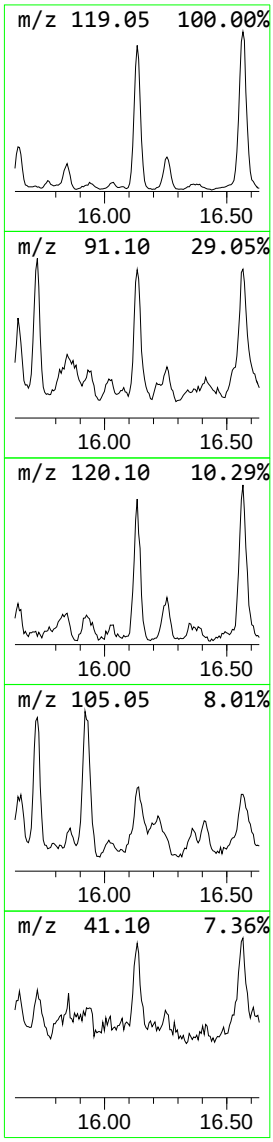
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 2-Hexanone, 5-methyl-5-phenyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.133	4.22 ug/L	144204	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone, 5-methyl-5-phenyl-	190	C13H18O	014128-61-1	80
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
4	Tridecane, 2-methyl-2-phenyl-	274	C20H34	027854-41-7	64
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
Data File : VW021433.D
Acq On : 17 Dec 2021 16:06
Operator : SY/VA
Sample : M5121-08
Misc : 5.68g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BGL63

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...	7.921	1.9	ug/L	17008	1	8.842	220641	25.0
(DEL) Alkane: S...	8.031	1.4	ug/L	12596	1	8.842	220641	25.0
(DEL) Alkane: S...	8.153	2.6	ug/L	22858	1	8.842	220641	25.0
(DEL) Alkane: C...	8.433	2.5	ug/L	22142	1	8.842	220641	25.0
(DEL) Alkane: C...	8.500	1.8	ug/L	15582	1	8.842	220641	25.0
(DEL) Alkane: C...	8.567	2.3	ug/L	19903	1	8.842	220641	25.0
(DEL) Alkane: S...	8.689	1.6	ug/L	14163	1	8.842	220641	25.0
(DEL) Alkane: S...	11.030	1.5	ug/L	15342	2	11.628	264564	25.0
(DEL) Alkane: C...	11.110	1.6	ug/L	17452	2	11.628	264564	25.0
p-Fluoroaniline	11.225	1.4	ug/L	14981	2	11.628	264564	25.0
(DEL) Alkane: C...	11.433	3.7	ug/L	39381	2	11.628	264564	25.0
Heptane, 1,1'-o...	11.506	2.1	ug/L	21903	2	11.628	264564	25.0
(DEL) Alkane: S...	12.359	24.5	ug/L	259005	2	11.628	264564	25.0
(DEL) Alkane: S...	12.591	7.0	ug/L	73657	2	11.628	264564	25.0
unknown-01	12.780	6.5	ug/L	222714	3	13.554	854141	25.0
Benzene, 1-ethy...	12.865	9.4	ug/L	320137	3	13.554	854141	25.0
Benzene, 1-ethy...	13.103	13.7	ug/L	468800	3	13.554	854141	25.0
Isobutyl octyl ...	13.188	4.7	ug/L	160843	3	13.554	854141	25.0
Pentan-2-yl 2-m...	13.408	8.4	ug/L	288132	3	13.554	854141	25.0
Benzene, 1-ethe...	13.749	8.8	ug/L	299484	3	13.554	854141	25.0
Benzene, 1-meth...	13.944	4.8	ug/L	164382	3	13.554	854141	25.0
Benzene, 2-ethy...	14.005	5.5	ug/L	186909	3	13.554	854141	25.0
o-Cymene	14.091	11.0	ug/L	375058	3	13.554	854141	25.0
p-Cymene	14.201	9.8	ug/L	334968	3	13.554	854141	25.0
Adamantane	14.255	6.6	ug/L	226369	3	13.554	854141	25.0
Benzene, 4-ethy...	14.335	5.0	ug/L	170761	3	13.554	854141	25.0
Naphthalene, de...	14.377	5.3	ug/L	180211	3	13.554	854141	25.0
Benzene, 1,2,4,...	14.414	7.3	ug/L	247941	3	13.554	854141	25.0
Benzene, 2-ethy...	14.450	10.6	ug/L	362653	3	13.554	854141	25.0
Benzene, pentam...	14.499	2.5	ug/L	86738	3	13.554	854141	25.0
Cyclopropane, 1...	14.682	2.8	ug/L	94599	3	13.554	854141	25.0
Benzene, 1-meth...	14.731	2.7	ug/L	92958	3	13.554	854141	25.0
1,3-Cyclopentad...	14.786	14.3	ug/L	489463	3	13.554	854141	25.0
Benzene, (1,1-d...	14.865	6.5	ug/L	222099	3	13.554	854141	25.0
Naphthalene, 1,...	14.956	3.2	ug/L	110096	3	13.554	854141	25.0
Benzene, 2,4-di...	15.060	9.6	ug/L	329256	3	13.554	854141	25.0
Azulene	15.359	15.5	ug/L	529063	3	13.554	854141	25.0
2-Hexanone, 5-m...	16.133	4.2	ug/L	144204	3	13.554	854141	25.0