LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092120\
Data File : VV018376.D
Acq On : 21 Sep 2020 17:30
Operator : SY/MD
Sample : L4090-10
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFWY3

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_V\METHOD\SOMVLM090920WMA.M
Title : VOC Analysis

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.116 | 3 | 8 | 16 | rVB | 11739 | 11084 | 1.73% | 0.212% |
| 2 | 1.315 | 63 | 70 | 82 | rVB | 96574 | 97589 | 15.22% | 1.871% |
| 3 | 1.579 | 144 | 152 | 165 | rBV | 75573 | 86786 | 13.53% | 1.664% |
| 4 | 2.122 | 311 | 321 | 358 | rVB | 153992 | 240232 | 37.46% | 4.605% |
| 5 | 2.309 | 374 | 379 | 385 | rBV | 693 | 967 | 0.15% | 0.019% |
| 6 | 2.557 | 454 | 456 | 459 | rVB | 221 | 106 | 0.02% | 0.002% |
| 7 | 2.589 | 463 | 466 | 471 | rVB2 | 182 | 110 | 0.02% | 0.002% |
| 8 | 2.936 | 572 | 574 | 580 | rVB | 219 | 150 | 0.02% | 0.003% |
| 9 | 3.081 | 616 | 619 | 625 | rVB2 | 140 | 97 | 0.02% | 0.002% |
| 10 | 3.135 | 631 | 636 | 640 | rVB2 | 127 | 120 | 0.02% | 0.002% |
| 11 | 3.296 | 684 | 686 | 691 | rVB | 143 | 108 | 0.02% | 0.002% |
| 12 | 3.389 | 712 | 715 | 721 | rVB | 177 | 151 | 0.02% | 0.003% |
| 13 | 3.418 | 721 | 724 | 728 | rBV2 | 105 | 110 | 0.02% | 0.002% |
| 14 | 3.611 | 782 | 784 | 794 | rVB2 | 120 | 141 | 0.02% | 0.003% |
| 15 | 3.772 | 830 | 834 | 840 | rBV2 | 86 | 97 | 0.02% | 0.002% |
| 16 | 3.920 | 865 | 880 | 919 | rBV | 37533 | 115564 | 18.02% | 2.215% |
| 17 | 4.225 | 974 | 975 | 984 | rVB2 | 222 | 176 | 0.03% | 0.003% |
| 18 | 4.264 | 984 | 987 | 993 | rVB2 | 185 | 162 | 0.03% | 0.003% |
| 19 | 4.376 | 1006 | 1022 | 1048 | rBV | 102055 | 247194 | 38.54% | 4.738% |
| 20 | 4.499 | 1057 | 1060 | 1063 | rVB | 271 | 146 | 0.02% | 0.003% |
| 21 | 4.598 | 1084 | 1091 | 1095 | rBV2 | 196 | 258 | 0.04% | 0.005% |
| 22 | 4.791 | 1149 | 1151 | 1160 | rVB2 | 95 | 95 | 0.01% | 0.002% |
| 23 | 4.855 | 1166 | 1171 | 1174 | rBV2 | 121 | 114 | 0.02% | 0.002% |
| 24 | 4.917 | 1187 | 1190 | 1194 | rBV2 | 119 | 115 | 0.02% | 0.002% |
| 25 | 5.074 | 1217 | 1239 | 1274 | rBV2 | 243567 | 627080 | 97.77% | 12.020% |
| 26 | 5.245 | 1288 | 1292 | 1293 | rBV2 | 200 | 117 | 0.02% | 0.002% |
| 27 | 5.338 | 1316 | 1321 | 1322 | rBV2 | 154 | 99 | 0.02% | 0.002% |
| 28 | 5.399 | 1333 | 1340 | 1346 | rBV2 | 154 | 200 | 0.03% | 0.004% |
| 29 | 5.508 | 1371 | 1374 | 1381 | rVB | 95 | 106 | 0.02% | 0.002% |
| 30 | 5.643 | 1403 | 1416 | 1440 | rBV | 256148 | 507761 | 79.17% | 9.733% |
| 31 | 5.933 | 1496 | 1506 | 1522 | rVB5 | 11879 | 25730 | 4.01% | 0.493% |
| 32 | 6.029 | 1533 | 1536 | 1541 | rVB | 177 | 150 | 0.02% | 0.003% |
| 33 | 6.097 | 1541 | 1557 | 1584 | rBV | 137974 | 284476 | 44.35% | 5.453% |
| 34 | 6.238 | 1598 | 1601 | 1604 | rVB | 259 | 167 | 0.03% | 0.003% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092120\
Data File : VV018376.D
Acq On : 21 Sep 2020 17:30
Operator : SY/MD
Sample : L4090-10
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFWY3

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_V\METHOD\SOMVLM090920WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 6.347 | 1628 | 1635 | 1638 | rVB2 | 129 | 147 | 0.02% | 0.003% |
| 36 | 6.376 | 1638 | 1644 | 1648 | rBV2 | 127 | 156 | 0.02% | 0.003% |
| 37 | 6.592 | 1705 | 1711 | 1714 | rBV2 | 118 | 101 | 0.02% | 0.002% |
| 38 | 6.611 | 1714 | 1717 | 1722 | rVV2 | 98 | 103 | 0.02% | 0.002% |
| 39 | 6.740 | 1754 | 1757 | 1765 | rVB2 | 98 | 106 | 0.02% | 0.002% |
| 40 | 6.788 | 1767 | 1772 | 1775 | rBV2 | 114 | 117 | 0.02% | 0.002% |
| 41 | 7.010 | 1830 | 1841 | 1869 | rBV | 73670 | 135926 | 21.19% | 2.606% |
| 42 | 7.145 | 1880 | 1883 | 1885 | rBV3 | 213 | 137 | 0.02% | 0.003% |
| 43 | 7.158 | 1885 | 1887 | 1890 | rVB | 304 | 174 | 0.03% | 0.003% |
| 44 | 7.257 | 1912 | 1918 | 1920 | rBV | 95 | 97 | 0.02% | 0.002% |
| 45 | 7.338 | 1931 | 1943 | 1963 | rBV | 278549 | 474581 | 73.99% | 9.097% |
| 46 | 7.605 | 2019 | 2026 | 2027 | rBV | 182 | 141 | 0.02% | 0.003% |
| 47 | 7.643 | 2027 | 2038 | 2056 | rBV | 54055 | 93174 | 14.53% | 1.786% |
| 48 | 7.749 | 2068 | 2071 | 2076 | rVB4 | 348 | 324 | 0.05% | 0.006% |
| 49 | 7.772 | 2076 | 2078 | 2082 | rVB2 | 416 | 265 | 0.04% | 0.005% |
| 50 | 7.913 | 2118 | 2122 | 2125 | rVV2 | 122 | 97 | 0.02% | 0.002% |
| 51 | 7.958 | 2129 | 2136 | 2147 | rVB2 | 593 | 959 | 0.15% | 0.018% |
| 52 | 8.003 | 2147 | 2150 | 2153 | rVB2 | 167 | 143 | 0.02% | 0.003% |
| 53 | 8.048 | 2161 | 2164 | 2167 | rBV2 | 120 | 96 | 0.01% | 0.002% |
| 54 | 8.109 | 2173 | 2183 | 2222 | rBV2 | 129131 | 250458 | 39.05% | 4.801% |
| 55 | 8.277 | 2230 | 2235 | 2240 | rBV5 | 457 | 595 | 0.09% | 0.011% |
| 56 | 8.421 | 2277 | 2280 | 2284 | rVB2 | 190 | 127 | 0.02% | 0.002% |
| 57 | 8.559 | 2318 | 2323 | 2325 | rBV | 119 | 110 | 0.02% | 0.002% |
| 58 | 8.675 | 2355 | 2359 | 2363 | rBV | 217 | 172 | 0.03% | 0.003% |
| 59 | 8.746 | 2376 | 2381 | 2385 | rBV | 146 | 166 | 0.03% | 0.003% |
| 60 | 8.871 | 2406 | 2420 | 2448 | rBV | 396272 | 641385 | 100.00% | 12.294% |
| 61 | 9.074 | 2480 | 2483 | 2489 | rBV3 | 154 | 116 | 0.02% | 0.002% |
| 62 | 9.238 | 2528 | 2534 | 2537 | rBV2 | 116 | 127 | 0.02% | 0.002% |
| 63 | 9.264 | 2537 | 2542 | 2545 | rBV2 | 97 | 97 | 0.02% | 0.002% |
| 64 | 9.376 | 2574 | 2577 | 2580 | rBV | 129 | 97 | 0.02% | 0.002% |
| 65 | 9.572 | 2635 | 2638 | 2641 | rBV | 232 | 163 | 0.03% | 0.003% |
| 66 | 9.926 | 2743 | 2748 | 2752 | rVV2 | 97 | 100 | 0.02% | 0.002% |
| 67 | 9.955 | 2752 | 2757 | 2760 | rVV2 | 222 | 211 | 0.03% | 0.004% |
| 68 | 10.238 | 2833 | 2845 | 2866 | rBV | 171510 | 270056 | 42.11% | 5.177% |
| 69 | 10.408 | 2888 | 2898 | 2904 | rVB3 | 980 | 1550 | 0.24% | 0.030% |
| 70 | 10.669 | 2975 | 2979 | 2984 | rBV2 | 189 | 198 | 0.03% | 0.004% |
| 71 | 10.875 | 3037 | 3043 | 3045 | rBV2 | 105 | 116 | 0.02% | 0.002% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092120\
Data File : VV018376.D
Acq On : 21 Sep 2020 17:30
Operator : SY/MD
Sample : L4090-10
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFWY3

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_V\METHOD\SOMVLM090920WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 10.977 | 3072 | 3075 | 3079 | rVB2 | 154 | 106 | 0.02% | 0.002% |
| 73 | 11.016 | 3084 | 3087 | 3093 | rVV2 | 132 | 133 | 0.02% | 0.003% |
| 74 | 11.186 | 3134 | 3140 | 3142 | rBV2 | 168 | 148 | 0.02% | 0.003% |
| 75 | 11.206 | 3142 | 3146 | 3147 | rBV | 287 | 181 | 0.03% | 0.003% |
| 76 | 11.270 | 3154 | 3166 | 3188 | rBV | 402297 | 610333 | 95.16% | 11.699% |
| 77 | 11.559 | 3249 | 3256 | 3270 | rBV3 | 2085 | 3793 | 0.59% | 0.073% |
| 78 | 11.646 | 3271 | 3283 | 3302 | rBV | 304126 | 476651 | 74.32% | 9.137% |
| 79 | 11.839 | 3341 | 3343 | 3353 | rVB2 | 264 | 277 | 0.04% | 0.005% |
| 80 | 11.891 | 3354 | 3359 | 3362 | rBV3 | 220 | 181 | 0.03% | 0.003% |
| 81 | 11.929 | 3369 | 3371 | 3374 | rBV2 | 204 | 146 | 0.02% | 0.003% |
| 82 | 12.045 | 3404 | 3407 | 3413 | rVB2 | 151 | 137 | 0.02% | 0.003% |
| 83 | 12.125 | 3429 | 3432 | 3434 | rBV2 | 147 | 102 | 0.02% | 0.002% |
| 84 | 12.373 | 3505 | 3509 | 3516 | rBV6 | 990 | 1199 | 0.19% | 0.023% |
| 85 | 12.489 | 3542 | 3545 | 3550 | rBV2 | 124 | 111 | 0.02% | 0.002% |
| 86 | 12.675 | 3600 | 3603 | 3604 | rBV2 | 314 | 204 | 0.03% | 0.004% |
| 87 | 12.910 | 3673 | 3676 | 3681 | rBV2 | 130 | 141 | 0.02% | 0.003% |
| 88 | 13.157 | 3750 | 3753 | 3756 | rBV | 176 | 151 | 0.02% | 0.003% |
| 89 | 13.292 | 3792 | 3795 | 3800 | rBV2 | 339 | 360 | 0.06% | 0.007% |
| 90 | 13.411 | 3829 | 3832 | 3835 | rBV2 | 159 | 121 | 0.02% | 0.002% |
| 91 | 13.540 | 3867 | 3872 | 3874 | rBV2 | 337 | 330 | 0.05% | 0.006% |
| 92 | 13.775 | 3942 | 3945 | 3951 | rVB3 | 487 | 430 | 0.07% | 0.008% |
| 93 | 14.106 | 4046 | 4048 | 4051 | rVB2 | 299 | 158 | 0.02% | 0.003% |
| 94 | 14.128 | 4051 | 4055 | 4057 | rBV2 | 277 | 193 | 0.03% | 0.004% |
| 95 | 14.228 | 4084 | 4086 | 4090 | rVB2 | 201 | 112 | 0.02% | 0.002% |
| 96 | 14.273 | 4098 | 4100 | 4104 | rVV2 | 223 | 143 | 0.02% | 0.003% |
| 97 | 14.305 | 4107 | 4110 | 4116 | rVB2 | 194 | 202 | 0.03% | 0.004% |
| 98 | 14.370 | 4128 | 4130 | 4133 | rBV2 | 189 | 98 | 0.02% | 0.002% |
| 99 | 14.408 | 4140 | 4142 | 4144 | rBV2 | 178 | 117 | 0.02% | 0.002% |
| 100 | 16.231 | 4707 | 4709 | 4712 | rBV2 | 475 | 353 | 0.06% | 0.007% |

Sum of corrected areas: 5216857

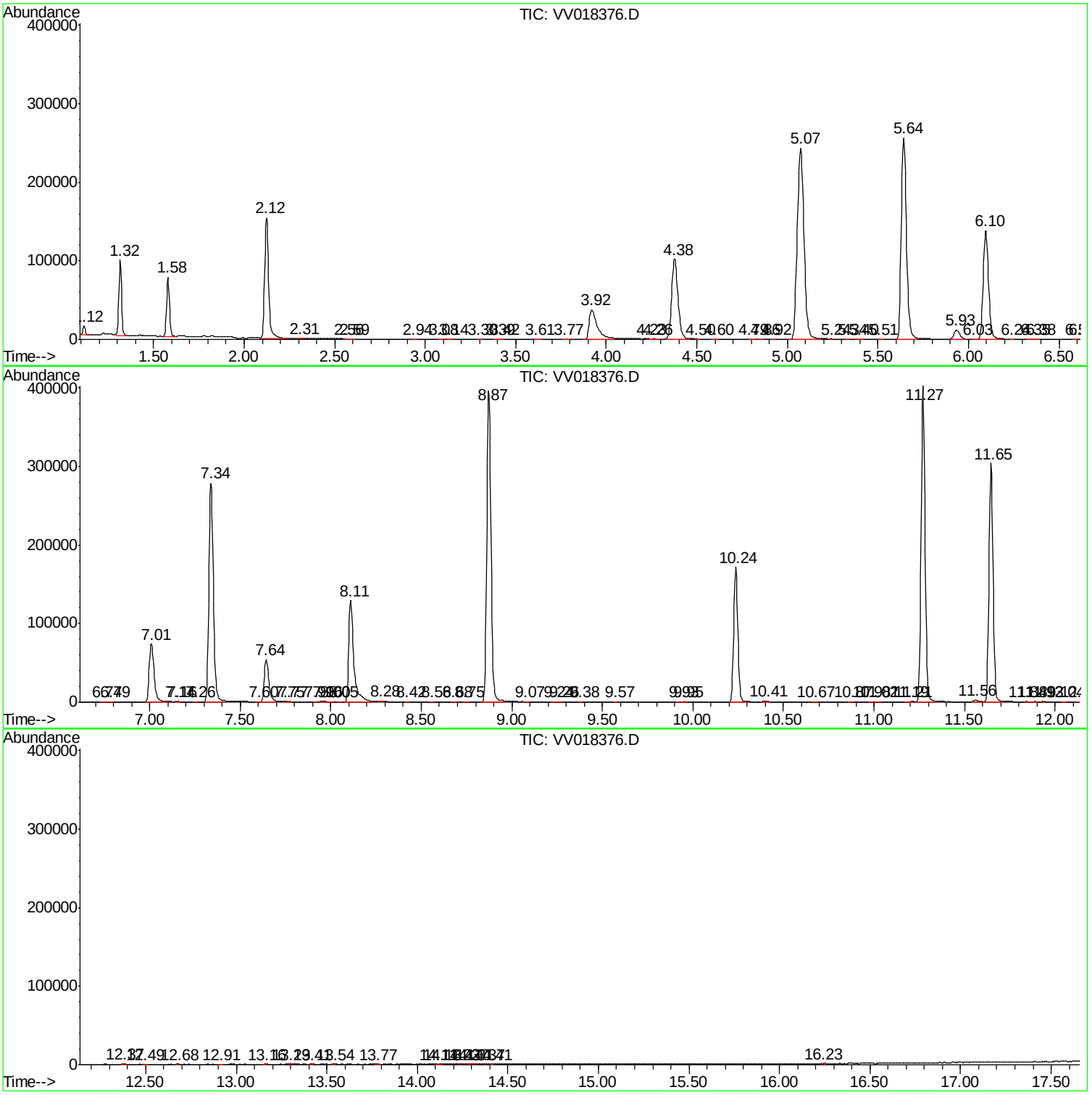
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092120\
Data File : VV018376.D
Acq On : 21 Sep 2020 17:30
Operator : SY/MD
Sample : L4090-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFWY3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092120\
Data File : VV018376.D
Acq On : 21 Sep 2020 17:30
Operator : SY/MD
Sample : L4090-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFWY3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis

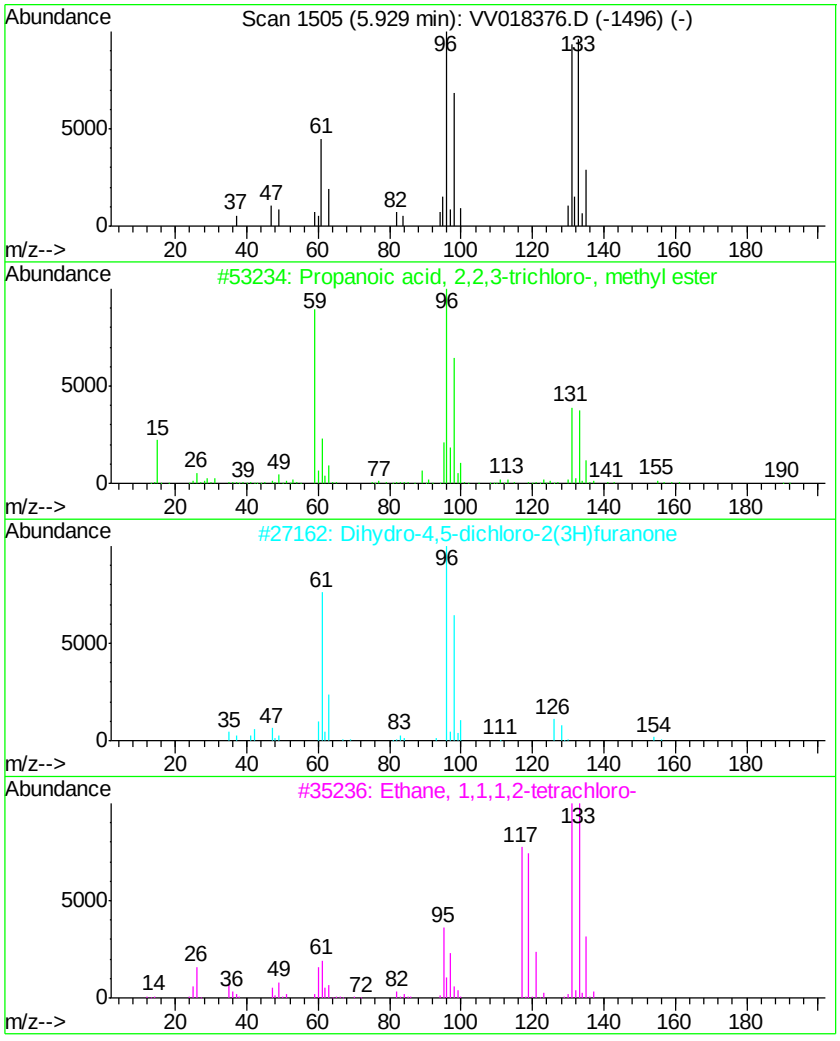
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

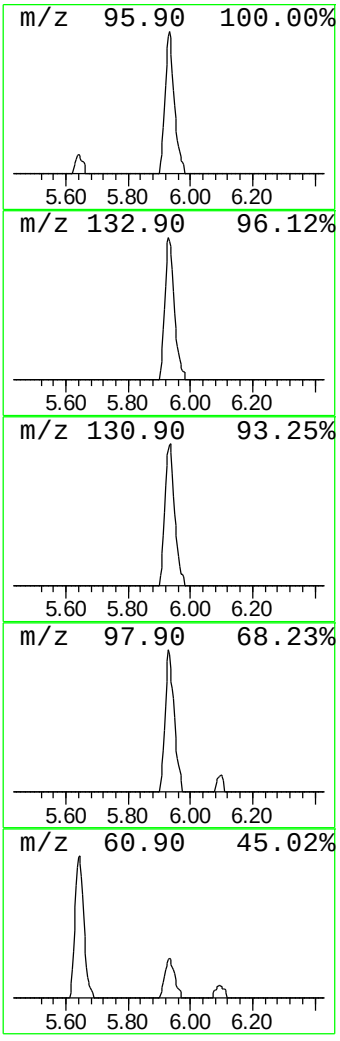
**********

Peak Number 1 unknown-01 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.93 | 2.53 ug/L | 25730 | 1,4-Difluorobenzene | 5.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3 | 32 |
| 2 | Dihydro-4,5-dichloro-2(3H)furanone | 154 | C4H4Cl2O2 | 114434-99-0 | 25 |
| 3 | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 20 |
| 4 | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 20 |
| 5 | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 20 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092120\
Data File : VV018376.D
Acq On : 21 Sep 2020 17:30
Operator : SY/MD
Sample : L4090-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFWY3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown-01 | 5.93 | 2.5 | ug/L | 25730 | 1 | 5.64 | 507761 | 50.0 |