LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092120\
Data File : VV018367.D
Acq On : 21 Sep 2020 13:46
Operator : SY/MD
Sample : L4090-15
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFX00

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 | 1.316 | 63 | 70 | 85 | rVB | 154875 | 157774 | 15.18% | 2.016% |
| 2 | 1.579 | 144 | 152 | 169 | rVB | 125711 | 144996 | 13.95% | 1.853% |
| 3 | 2.123 | 310 | 321 | 354 | rVB | 263282 | 404085 | 38.87% | 5.163% |
| 4 | 2.306 | 374 | 378 | 379 | rBV | 530 | 372 | 0.04% | 0.005% |
| 5 | 2.598 | 466 | 469 | 471 | rVB | 190 | 102 | 0.01% | 0.001% |
| 6 | 2.753 | 514 | 517 | 521 | rBV2 | 131 | 95 | 0.01% | 0.001% |
| 7 | 3.007 | 590 | 596 | 601 | rBV2 | 122 | 197 | 0.02% | 0.003% |
| 8 | 3.145 | 636 | 639 | 645 | rBV2 | 73 | 76 | 0.01% | 0.001% |
| 9 | 3.174 | 645 | 648 | 650 | rBV2 | 157 | 96 | 0.01% | 0.001% |
| 10 | 3.225 | 661 | 664 | 666 | rBV | 100 | 65 | 0.01% | 0.001% |
| 11 | 3.312 | 689 | 691 | 695 | rVB2 | 106 | 65 | 0.01% | 0.001% |
| 12 | 3.447 | 730 | 733 | 735 | rBV | 114 | 84 | 0.01% | 0.001% |
| 13 | 3.518 | 754 | 755 | 757 | rBV | 73 | 42 | 0.00% | 0.001% |
| 14 | 3.534 | 757 | 760 | 762 | rVV | 107 | 77 | 0.01% | 0.001% |
| 15 | 3.589 | 774 | 777 | 782 | rVB | 271 | 272 | 0.03% | 0.003% |
| 16 | 3.627 | 782 | 789 | 791 | rBV2 | 226 | 316 | 0.03% | 0.004% |
| 17 | 3.640 | 791 | 793 | 796 | rVV | 71 | 54 | 0.01% | 0.001% |
| 18 | 3.775 | 832 | 835 | 836 | rBV | 80 | 47 | 0.00% | 0.001% |
| 19 | 3.914 | 866 | 878 | 920 | rBV | 62427 | 191099 | 18.38% | 2.442% |
| 20 | 4.373 | 1005 | 1021 | 1045 | rBV | 165221 | 404797 | 38.94% | 5.173% |
| 21 | 4.560 | 1075 | 1079 | 1081 | rVB2 | 134 | 108 | 0.01% | 0.001% |
| 22 | 4.573 | 1081 | 1083 | 1088 | rVB | 198 | 167 | 0.02% | 0.002% |
| 23 | 4.598 | 1088 | 1091 | 1096 | rBV2 | 231 | 166 | 0.02% | 0.002% |
| 24 | 4.659 | 1107 | 1110 | 1113 | rVB | 125 | 76 | 0.01% | 0.001% |
| 25 | 4.679 | 1113 | 1116 | 1120 | rBV | 225 | 183 | 0.02% | 0.002% |
| 26 | 4.704 | 1122 | 1124 | 1125 | rVV | 151 | 45 | 0.00% | 0.001% |
| 27 | 4.721 | 1127 | 1129 | 1138 | rVB2 | 224 | 165 | 0.02% | 0.002% |
| 28 | 4.766 | 1139 | 1143 | 1144 | rBV | 127 | 91 | 0.01% | 0.001% |
| 29 | 4.894 | 1181 | 1183 | 1185 | rBV | 77 | 47 | 0.00% | 0.001% |
| 30 | 4.952 | 1199 | 1201 | 1204 | rBV | 89 | 47 | 0.00% | 0.001% |
| 31 | 4.984 | 1208 | 1211 | 1216 | rBV2 | 104 | 96 | 0.01% | 0.001% |
| 32 | 5.071 | 1221 | 1238 | 1277 | rBV2 | 407072 | 1039507 | 100.00% | 13.283% |
| 33 | 5.258 | 1294 | 1296 | 1298 | rBV2 | 159 | 99 | 0.01% | 0.001% |
| 34 | 5.360 | 1325 | 1328 | 1331 | rBV | 234 | 192 | 0.02% | 0.002% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092120\
Data File : VV018367.D
Acq On : 21 Sep 2020 13:46
Operator : SY/MD
Sample : L4090-15
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFX00

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 | 5.386 | 1334 | 1336 | 1338 | rVV | 194 | 120 | 0.01% | 0.002% |
| 36 | 5.444 | 1351 | 1354 | 1355 | rVV | 118 | 68 | 0.01% | 0.001% |
| 37 | 5.457 | 1355 | 1358 | 1361 | rVV2 | 136 | 93 | 0.01% | 0.001% |
| 38 | 5.476 | 1361 | 1364 | 1367 | rVB2 | 126 | 79 | 0.01% | 0.001% |
| 39 | 5.573 | 1390 | 1394 | 1400 | rVB2 | 101 | 116 | 0.01% | 0.001% |
| 40 | 5.640 | 1400 | 1415 | 1443 | rBV | 305339 | 608050 | 58.49% | 7.770% |
| 41 | 5.930 | 1493 | 1505 | 1529 | rVB2 | 20243 | 41662 | 4.01% | 0.532% |
| 42 | 6.016 | 1529 | 1532 | 1537 | rVB | 153 | 135 | 0.01% | 0.002% |
| 43 | 6.093 | 1542 | 1556 | 1579 | rBV | 230730 | 465618 | 44.79% | 5.950% |
| 44 | 6.238 | 1596 | 1601 | 1605 | rVV4 | 477 | 461 | 0.04% | 0.006% |
| 45 | 6.264 | 1605 | 1609 | 1610 | rVB2 | 218 | 138 | 0.01% | 0.002% |
| 46 | 6.325 | 1625 | 1628 | 1631 | rBV2 | 150 | 102 | 0.01% | 0.001% |
| 47 | 6.341 | 1631 | 1633 | 1634 | rBV2 | 116 | 52 | 0.01% | 0.001% |
| 48 | 6.614 | 1715 | 1718 | 1720 | rBV | 72 | 40 | 0.00% | 0.001% |
| 49 | 6.746 | 1756 | 1759 | 1761 | rBV | 91 | 63 | 0.01% | 0.001% |
| 50 | 6.888 | 1800 | 1803 | 1811 | rBB2 | 92 | 111 | 0.01% | 0.001% |
| 51 | 6.939 | 1816 | 1819 | 1822 | rBV2 | 127 | 101 | 0.01% | 0.001% |
| 52 | 7.007 | 1829 | 1840 | 1861 | rBV | 127738 | 228739 | 22.00% | 2.923% |
| 53 | 7.238 | 1909 | 1912 | 1913 | rBV2 | 179 | 104 | 0.01% | 0.001% |
| 54 | 7.338 | 1931 | 1943 | 1968 | rBV | 482391 | 824843 | 79.35% | 10.540% |
| 55 | 7.640 | 2026 | 2037 | 2060 | rBV | 92832 | 160328 | 15.42% | 2.049% |
| 56 | 7.836 | 2096 | 2098 | 2101 | rVB | 224 | 107 | 0.01% | 0.001% |
| 57 | 7.962 | 2127 | 2137 | 2146 | rVB3 | 1297 | 2228 | 0.21% | 0.028% |
| 58 | 8.023 | 2153 | 2156 | 2159 | rBV2 | 91 | 64 | 0.01% | 0.001% |
| 59 | 8.045 | 2159 | 2163 | 2166 | rVB2 | 151 | 106 | 0.01% | 0.001% |
| 60 | 8.106 | 2172 | 2182 | 2215 | rBV | 224454 | 421162 | 40.52% | 5.382% |
| 61 | 8.328 | 2250 | 2251 | 2252 | rVB | 227 | 44 | 0.00% | 0.001% |
| 62 | 8.479 | 2294 | 2298 | 2302 | rVB3 | 208 | 132 | 0.01% | 0.002% |
| 63 | 8.540 | 2315 | 2317 | 2320 | rBV2 | 168 | 100 | 0.01% | 0.001% |
| 64 | 8.695 | 2360 | 2365 | 2367 | rBV2 | 102 | 102 | 0.01% | 0.001% |
| 65 | 8.743 | 2376 | 2380 | 2388 | rVB | 134 | 176 | 0.02% | 0.002% |
| 66 | 8.871 | 2408 | 2420 | 2453 | rBV | 478261 | 767284 | 73.81% | 9.805% |
| 67 | 9.032 | 2467 | 2470 | 2472 | rBV | 132 | 89 | 0.01% | 0.001% |
| 68 | 9.164 | 2509 | 2511 | 2513 | rVB | 269 | 108 | 0.01% | 0.001% |
| 69 | 9.335 | 2562 | 2564 | 2568 | rBV | 100 | 59 | 0.01% | 0.001% |
| 70 | 9.421 | 2588 | 2591 | 2595 | rVB2 | 110 | 84 | 0.01% | 0.001% |
| 71 | 9.447 | 2595 | 2599 | 2601 | rBV2 | 149 | 120 | 0.01% | 0.002% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092120\
Data File : VV018367.D
Acq On : 21 Sep 2020 13:46
Operator : SY/MD
Sample : L4090-15
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFX00

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 | 9.527 | 2622 | 2624 | 2627 | rBV | 78 | 48 | 0.00% | 0.001% |
| 73 | 9.611 | 2646 | 2650 | 2655 | rVB2 | 172 | 181 | 0.02% | 0.002% |
| 74 | 9.640 | 2655 | 2659 | 2668 | rBV2 | 154 | 281 | 0.03% | 0.004% |
| 75 | 9.794 | 2704 | 2707 | 2711 | rBV2 | 153 | 106 | 0.01% | 0.001% |
| 76 | 9.942 | 2750 | 2753 | 2755 | rBV | 134 | 83 | 0.01% | 0.001% |
| 77 | 10.238 | 2832 | 2845 | 2866 | rBV | 269982 | 422159 | 40.61% | 5.394% |
| 78 | 10.405 | 2887 | 2897 | 2905 | rVB2 | 2105 | 3086 | 0.30% | 0.039% |
| 79 | 10.466 | 2913 | 2916 | 2917 | rBV | 103 | 61 | 0.01% | 0.001% |
| 80 | 10.627 | 2964 | 2966 | 2968 | rBV2 | 102 | 67 | 0.01% | 0.001% |
| 81 | 10.662 | 2974 | 2977 | 2980 | rBV | 95 | 94 | 0.01% | 0.001% |
| 82 | 11.039 | 3090 | 3094 | 3097 | rBV2 | 194 | 163 | 0.02% | 0.002% |
| 83 | 11.270 | 3155 | 3166 | 3190 | rBV | 482271 | 729397 | 70.17% | 9.320% |
| 84 | 11.376 | 3197 | 3199 | 3204 | rVB2 | 316 | 174 | 0.02% | 0.002% |
| 85 | 11.431 | 3214 | 3216 | 3217 | rBV | 142 | 45 | 0.00% | 0.001% |
| 86 | 11.444 | 3218 | 3220 | 3222 | rVB | 337 | 142 | 0.01% | 0.002% |
| 87 | 11.556 | 3247 | 3255 | 3267 | rBV3 | 4439 | 7618 | 0.73% | 0.097% |
| 88 | 11.646 | 3271 | 3283 | 3303 | rBV | 507979 | 788374 | 75.84% | 10.074% |
| 89 | 11.810 | 3328 | 3334 | 3335 | rBV | 155 | 133 | 0.01% | 0.002% |
| 90 | 12.048 | 3405 | 3408 | 3410 | rBV | 192 | 144 | 0.01% | 0.002% |
| 91 | 12.373 | 3501 | 3509 | 3516 | rVB3 | 2663 | 3396 | 0.33% | 0.043% |
| 92 | 12.405 | 3517 | 3519 | 3522 | rBV | 190 | 78 | 0.01% | 0.001% |
| 93 | 12.640 | 3589 | 3592 | 3598 | rBV2 | 174 | 188 | 0.02% | 0.002% |
| 94 | 13.048 | 3717 | 3719 | 3723 | rBV2 | 170 | 92 | 0.01% | 0.001% |
| 95 | 13.765 | 3940 | 3942 | 3945 | rBV2 | 252 | 125 | 0.01% | 0.002% |
| 96 | 14.074 | 4035 | 4038 | 4041 | rBV3 | 214 | 157 | 0.02% | 0.002% |
| 97 | 14.122 | 4050 | 4053 | 4055 | rBV2 | 197 | 152 | 0.01% | 0.002% |
| 98 | 14.315 | 4110 | 4113 | 4115 | rBV | 178 | 122 | 0.01% | 0.002% |
| 99 | 14.495 | 4166 | 4169 | 4173 | rBV3 | 292 | 290 | 0.03% | 0.004% |
| 100 | 14.569 | 4190 | 4192 | 4196 | rVB2 | 307 | 164 | 0.02% | 0.002% |

Sum of corrected areas: 7825808

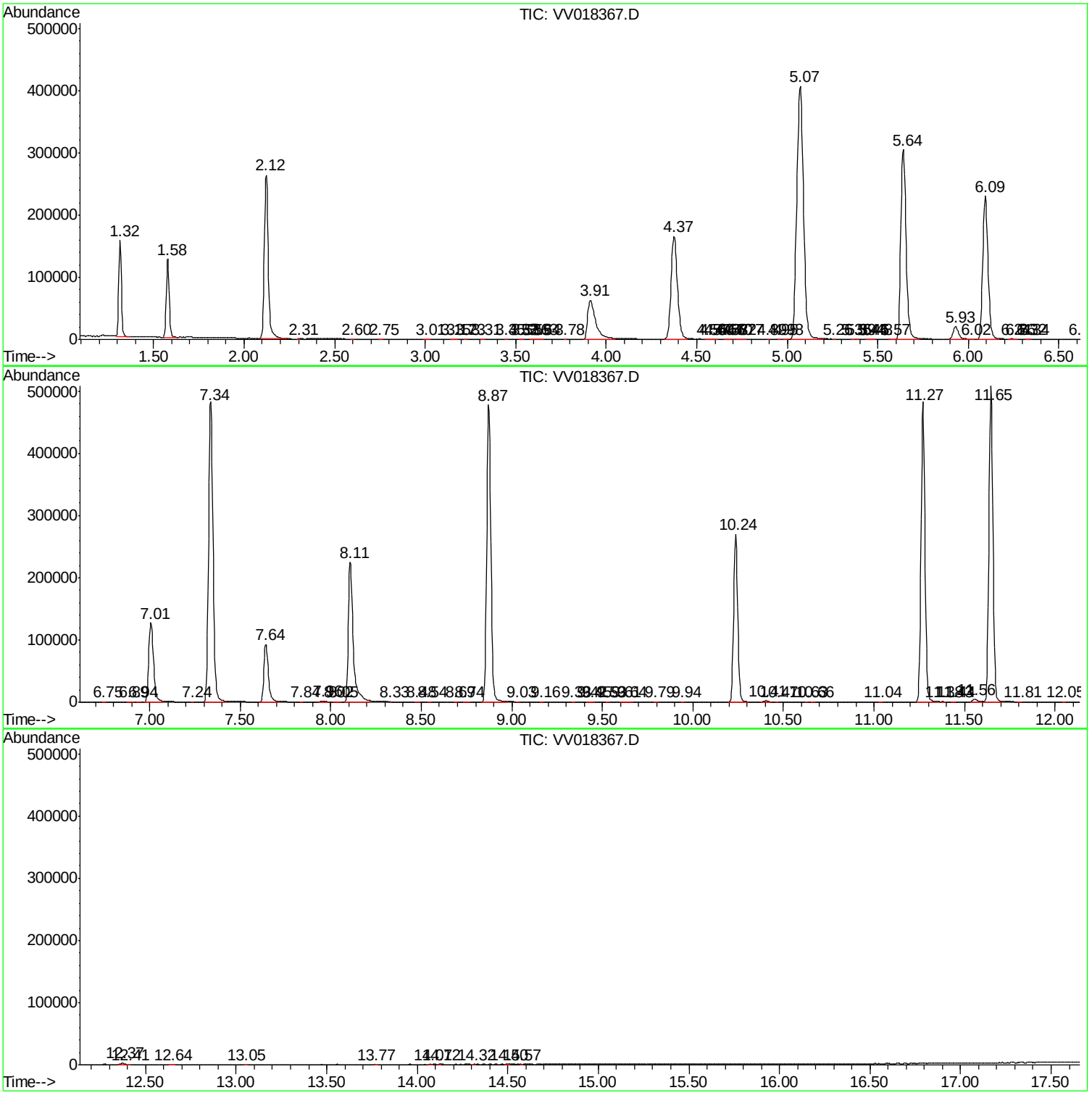
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092120\
Data File : VV018367.D
Acq On : 21 Sep 2020 13:46
Operator : SY/MD
Sample : L4090-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFX00

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 : VV018367.D
Acq On : 21 Sep 2020 13:46
Operator : SY/MD
Sample : L4090-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFX00

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

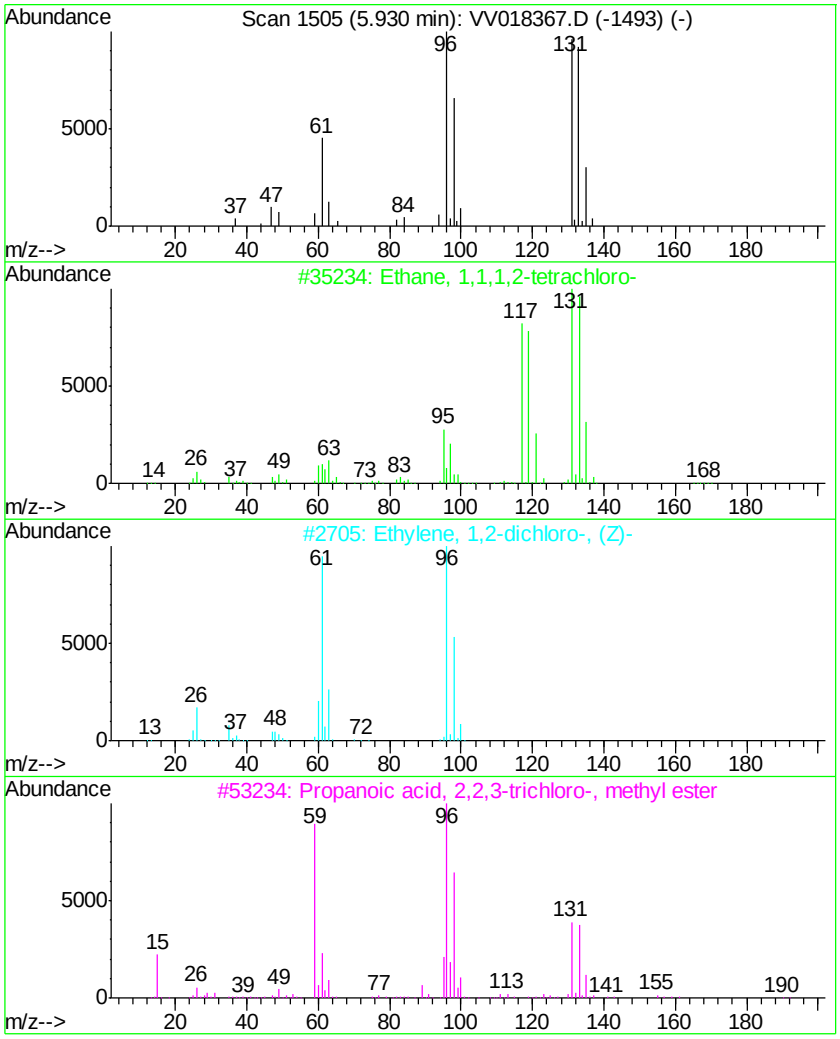
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

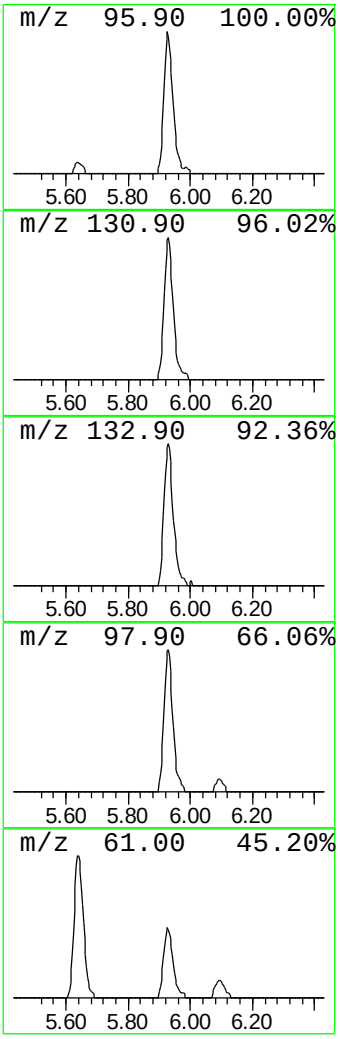
**********

Peak Number 1 unknown-01 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.93 | 3.43 ug/L | 41662 | 1,4-Difluorobenzene | 5.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 43 |
| 2 | Ethylene, 1,2-dichloro-, (Z)- | 96 | C2H2Cl2 | 000156-59-2 | 38 |
| 3 | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3 | 37 |
| 4 | Dihydro-4,5-dichloro-2(3H)furanone | 154 | C4H4Cl2O2 | 114434-99-0 | 35 |
| 5 | 2-Cyano-3,5-dimethylpyrazine | 133 | C7H7N3 | 124629-52-3 | 9 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092120\
Data File : VV018367.D
Acq On : 21 Sep 2020 13:46
Operator : SY/MD
Sample : L4090-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BFX00

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 | 3.4 | ug/L | 41662 | 1 | 5.64 | 608050 | 50.0 |