LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082120\
Data File : VV018073.D
Acq On : 21 Aug 2020 10:36
Operator : SY/MD
Sample : VV0821MBL01
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK89

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\SOMVLM081120WMA.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 | 170468 | 172135 | 15.21% | 2.001% |
| 2 | 1.579 | 144 | 152 | 165 | rBV | 142069 | 162328 | 14.34% | 1.887% |
| 3 | 2.123 | 310 | 321 | 350 | rVB | 283056 | 440454 | 38.91% | 5.120% |
| 4 | 2.309 | 370 | 379 | 394 | rVB4 | 1502 | 2582 | 0.23% | 0.030% |
| 5 | 2.422 | 412 | 414 | 415 | rBV4 | 260 | 90 | 0.01% | 0.001% |
| 6 | 2.524 | 438 | 446 | 454 | rBV2 | 3577 | 5422 | 0.48% | 0.063% |
| 7 | 2.669 | 487 | 491 | 495 | rBV | 117 | 120 | 0.01% | 0.001% |
| 8 | 2.769 | 519 | 522 | 523 | rVV | 354 | 183 | 0.02% | 0.002% |
| 9 | 2.785 | 523 | 527 | 534 | rVB3 | 687 | 558 | 0.05% | 0.006% |
| 10 | 2.926 | 569 | 571 | 578 | rVB2 | 257 | 198 | 0.02% | 0.002% |
| 11 | 2.962 | 578 | 582 | 589 | rBV2 | 160 | 211 | 0.02% | 0.002% |
| 12 | 3.033 | 600 | 604 | 608 | rBV | 126 | 146 | 0.01% | 0.002% |
| 13 | 3.290 | 681 | 684 | 689 | rBV | 135 | 116 | 0.01% | 0.001% |
| 14 | 3.370 | 705 | 709 | 714 | rVB | 201 | 169 | 0.01% | 0.002% |
| 15 | 3.470 | 738 | 740 | 747 | rVB2 | 103 | 81 | 0.01% | 0.001% |
| 16 | 3.508 | 749 | 752 | 756 | rBV2 | 109 | 85 | 0.01% | 0.001% |
| 17 | 3.766 | 826 | 832 | 835 | rBV2 | 126 | 133 | 0.01% | 0.002% |
| 18 | 3.785 | 835 | 838 | 841 | rVV2 | 100 | 89 | 0.01% | 0.001% |
| 19 | 3.910 | 866 | 877 | 924 | rBV | 69149 | 219754 | 19.42% | 2.554% |
| 20 | 4.373 | 1004 | 1021 | 1048 | rBV | 177757 | 438010 | 38.70% | 5.091% |
| 21 | 4.859 | 1166 | 1172 | 1175 | rBV | 93 | 86 | 0.01% | 0.001% |
| 22 | 4.975 | 1205 | 1208 | 1215 | rVB | 97 | 87 | 0.01% | 0.001% |
| 23 | 5.068 | 1219 | 1237 | 1278 | rBV2 | 439830 | 1131853 | 100.00% | 13.157% |
| 24 | 5.222 | 1282 | 1285 | 1289 | rVV4 | 302 | 189 | 0.02% | 0.002% |
| 25 | 5.299 | 1306 | 1309 | 1310 | rBV | 258 | 107 | 0.01% | 0.001% |
| 26 | 5.357 | 1322 | 1327 | 1328 | rBV | 180 | 132 | 0.01% | 0.002% |
| 27 | 5.418 | 1344 | 1346 | 1353 | rVB2 | 172 | 123 | 0.01% | 0.001% |
| 28 | 5.470 | 1359 | 1362 | 1364 | rVB | 207 | 116 | 0.01% | 0.001% |
| 29 | 5.505 | 1371 | 1373 | 1377 | rBV2 | 129 | 99 | 0.01% | 0.001% |
| 30 | 5.637 | 1400 | 1414 | 1449 | rBV | 354324 | 703667 | 62.17% | 8.179% |
| 31 | 5.926 | 1494 | 1504 | 1525 | rVB2 | 19345 | 40042 | 3.54% | 0.465% |
| 32 | 6.026 | 1531 | 1535 | 1541 | rVB2 | 111 | 99 | 0.01% | 0.001% |
| 33 | 6.090 | 1541 | 1555 | 1586 | rBV | 251887 | 507306 | 44.82% | 5.897% |
| 34 | 6.232 | 1595 | 1599 | 1605 | rBV6 | 335 | 333 | 0.03% | 0.004% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082120\
Data File : VV018073.D
Acq On : 21 Aug 2020 10:36
Operator : SY/MD
Sample : VV0821MBL01
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK89

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\SOMVLM081120WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 6.380 | 1641 | 1645 | 1647 | rBV2 | 142 | 95 | 0.01% | 0.001% |
| 36 | 6.515 | 1683 | 1687 | 1689 | rBV | 146 | 122 | 0.01% | 0.001% |
| 37 | 6.573 | 1698 | 1705 | 1707 | rBV2 | 112 | 136 | 0.01% | 0.002% |
| 38 | 6.653 | 1725 | 1730 | 1733 | rBV2 | 154 | 167 | 0.01% | 0.002% |
| 39 | 6.856 | 1787 | 1793 | 1797 | rVV2 | 109 | 135 | 0.01% | 0.002% |
| 40 | 6.888 | 1798 | 1803 | 1806 | rVB2 | 98 | 86 | 0.01% | 0.001% |
| 41 | 6.933 | 1813 | 1817 | 1821 | rBV2 | 145 | 118 | 0.01% | 0.001% |
| 42 | 7.007 | 1828 | 1840 | 1863 | rBV | 137080 | 247040 | 21.83% | 2.872% |
| 43 | 7.222 | 1904 | 1907 | 1914 | rVB4 | 492 | 556 | 0.05% | 0.006% |
| 44 | 7.264 | 1914 | 1920 | 1926 | rBV2 | 357 | 526 | 0.05% | 0.006% |
| 45 | 7.335 | 1926 | 1942 | 1961 | rBV | 525996 | 895451 | 79.11% | 10.409% |
| 46 | 7.576 | 2015 | 2017 | 2022 | rVB | 249 | 172 | 0.02% | 0.002% |
| 47 | 7.640 | 2024 | 2037 | 2068 | rBV | 97302 | 170806 | 15.09% | 1.985% |
| 48 | 7.830 | 2092 | 2096 | 2100 | rBV4 | 242 | 224 | 0.02% | 0.003% |
| 49 | 7.875 | 2107 | 2110 | 2113 | rBV2 | 123 | 92 | 0.01% | 0.001% |
| 50 | 7.920 | 2118 | 2124 | 2125 | rBV2 | 94 | 85 | 0.01% | 0.001% |
| 51 | 8.000 | 2144 | 2149 | 2152 | rBV3 | 446 | 370 | 0.03% | 0.004% |
| 52 | 8.106 | 2171 | 2182 | 2223 | rBV2 | 191351 | 375520 | 33.18% | 4.365% |
| 53 | 8.325 | 2248 | 2250 | 2252 | rBV2 | 226 | 93 | 0.01% | 0.001% |
| 54 | 8.434 | 2280 | 2284 | 2295 | rVB4 | 562 | 936 | 0.08% | 0.011% |
| 55 | 8.502 | 2298 | 2305 | 2309 | rBV3 | 238 | 278 | 0.02% | 0.003% |
| 56 | 8.563 | 2321 | 2324 | 2326 | rBV2 | 116 | 82 | 0.01% | 0.001% |
| 57 | 8.688 | 2360 | 2363 | 2369 | rBV | 124 | 123 | 0.01% | 0.001% |
| 58 | 8.871 | 2406 | 2420 | 2452 | rBV | 550605 | 884190 | 78.12% | 10.278% |
| 59 | 9.087 | 2485 | 2487 | 2492 | rVB2 | 177 | 136 | 0.01% | 0.002% |
| 60 | 9.167 | 2507 | 2512 | 2517 | rBV2 | 271 | 383 | 0.03% | 0.004% |
| 61 | 9.267 | 2540 | 2543 | 2546 | rBV | 167 | 119 | 0.01% | 0.001% |
| 62 | 9.489 | 2609 | 2612 | 2618 | rBV | 131 | 113 | 0.01% | 0.001% |
| 63 | 9.572 | 2633 | 2638 | 2643 | rVB2 | 392 | 438 | 0.04% | 0.005% |
| 64 | 9.598 | 2643 | 2646 | 2652 | rBV2 | 257 | 252 | 0.02% | 0.003% |
| 65 | 9.791 | 2703 | 2706 | 2709 | rBV2 | 111 | 88 | 0.01% | 0.001% |
| 66 | 9.862 | 2724 | 2728 | 2731 | rBV2 | 152 | 120 | 0.01% | 0.001% |
| 67 | 10.039 | 2779 | 2783 | 2788 | rVB2 | 138 | 143 | 0.01% | 0.002% |
| 68 | 10.068 | 2789 | 2792 | 2797 | rBV2 | 138 | 155 | 0.01% | 0.002% |
| 69 | 10.235 | 2833 | 2844 | 2863 | rBV | 291897 | 457058 | 40.38% | 5.313% |
| 70 | 10.431 | 2901 | 2905 | 2908 | rBV2 | 162 | 157 | 0.01% | 0.002% |
| 71 | 10.556 | 2940 | 2944 | 2945 | rBV2 | 189 | 129 | 0.01% | 0.001% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082120\
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Acq On : 21 Aug 2020 10:36
Operator : SY/MD
Sample : VV0821MBL01
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK89

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\SOMVLM081120WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 10.624 | 2963 | 2965 | 2968 | rVB2 | 192 | 108 | 0.01% | 0.001% |
| 73 | 10.701 | 2984 | 2989 | 2995 | rBV2 | 189 | 290 | 0.03% | 0.003% |
| 74 | 10.762 | 3005 | 3008 | 3010 | rBV | 122 | 88 | 0.01% | 0.001% |
| 75 | 10.797 | 3016 | 3019 | 3022 | rBV | 137 | 115 | 0.01% | 0.001% |
| 76 | 10.871 | 3038 | 3042 | 3044 | rBV | 156 | 120 | 0.01% | 0.001% |
| 77 | 10.942 | 3059 | 3064 | 3066 | rBV2 | 351 | 305 | 0.03% | 0.004% |
| 78 | 11.096 | 3109 | 3112 | 3115 | rBV2 | 158 | 100 | 0.01% | 0.001% |
| 79 | 11.209 | 3138 | 3147 | 3154 | rBV4 | 1050 | 1428 | 0.13% | 0.017% |
| 80 | 11.270 | 3154 | 3166 | 3190 | rBV | 574002 | 874990 | 77.31% | 10.171% |
| 81 | 11.453 | 3217 | 3223 | 3227 | rBV3 | 343 | 345 | 0.03% | 0.004% |
| 82 | 11.473 | 3227 | 3229 | 3235 | rVB | 255 | 191 | 0.02% | 0.002% |
| 83 | 11.576 | 3258 | 3261 | 3266 | rVB | 252 | 129 | 0.01% | 0.001% |
| 84 | 11.605 | 3266 | 3270 | 3271 | rBV | 243 | 146 | 0.01% | 0.002% |
| 85 | 11.646 | 3271 | 3283 | 3307 | rVV | 543773 | 848296 | 74.95% | 9.861% |
| 86 | 11.794 | 3327 | 3329 | 3332 | rVB | 228 | 114 | 0.01% | 0.001% |
| 87 | 11.897 | 3359 | 3361 | 3365 | rVB | 218 | 132 | 0.01% | 0.002% |
| 88 | 12.048 | 3405 | 3408 | 3412 | rBV | 134 | 87 | 0.01% | 0.001% |
| 89 | 12.318 | 3489 | 3492 | 3495 | rBV | 178 | 147 | 0.01% | 0.002% |
| 90 | 12.514 | 3550 | 3553 | 3558 | rBV | 201 | 186 | 0.02% | 0.002% |
| 91 | 12.669 | 3596 | 3601 | 3609 | rVB4 | 1403 | 1831 | 0.16% | 0.021% |
| 92 | 12.704 | 3609 | 3612 | 3615 | rBV2 | 117 | 97 | 0.01% | 0.001% |
| 93 | 13.289 | 3787 | 3794 | 3804 | rVB3 | 1902 | 2736 | 0.24% | 0.032% |
| 94 | 13.534 | 3861 | 3870 | 3880 | rBV2 | 2309 | 3397 | 0.30% | 0.039% |
| 95 | 13.637 | 3899 | 3902 | 3905 | rVB | 234 | 139 | 0.01% | 0.002% |
| 96 | 13.772 | 3938 | 3944 | 3950 | rBV3 | 2366 | 2950 | 0.26% | 0.034% |
| 97 | 13.817 | 3956 | 3958 | 3960 | rBV2 | 258 | 130 | 0.01% | 0.002% |
| 98 | 14.045 | 4025 | 4029 | 4030 | rBV | 294 | 183 | 0.02% | 0.002% |
| 99 | 14.247 | 4088 | 4092 | 4093 | rBV | 210 | 156 | 0.01% | 0.002% |
| 100 | 15.884 | 4599 | 4601 | 4604 | rBV3 | 403 | 213 | 0.02% | 0.002% |

Sum of corrected areas: 8602946

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082120\
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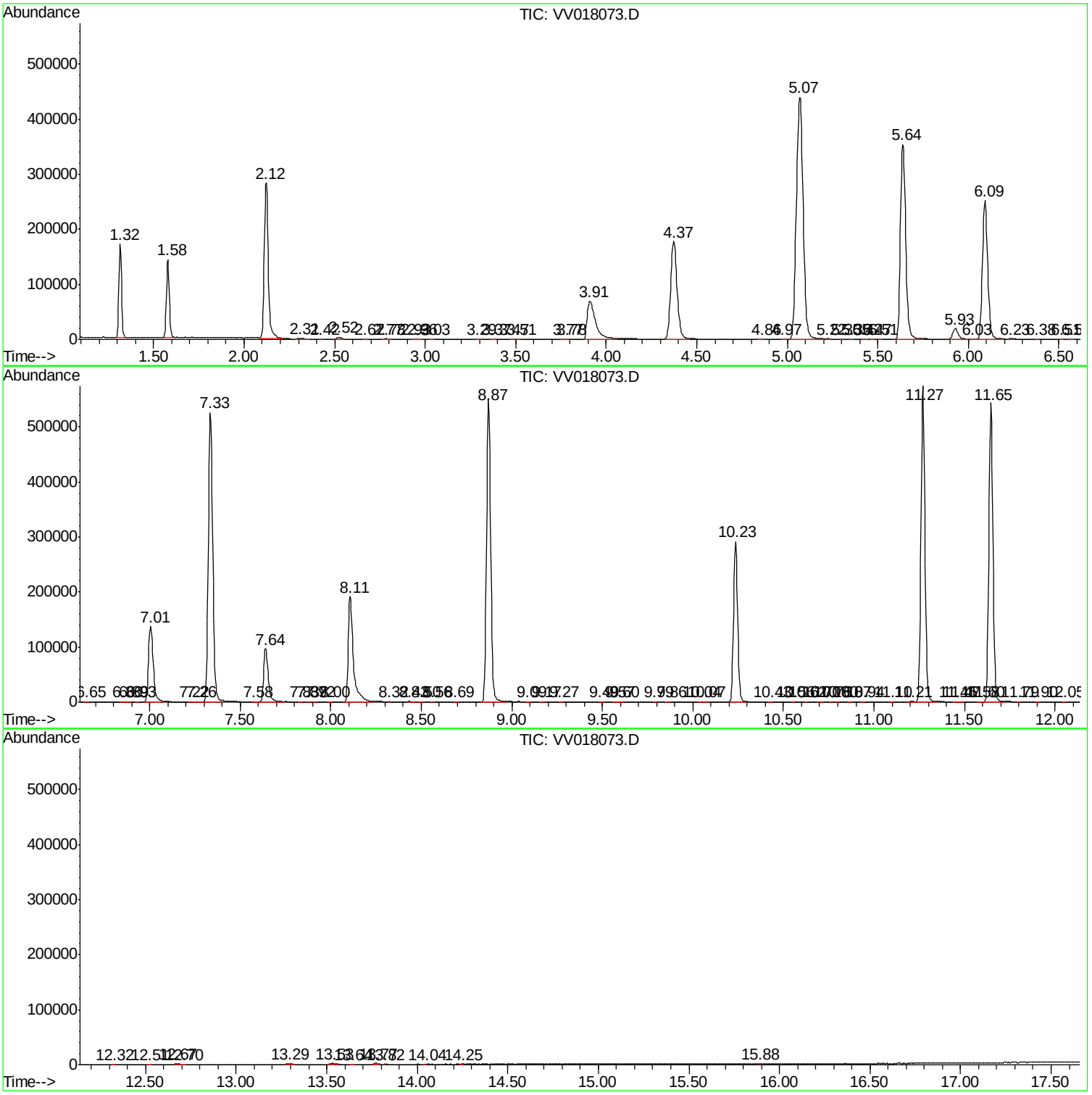
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VBLK89

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.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\VV082120\
Data File : VV018073.D
Acq On : 21 Aug 2020 10:36
Operator : SY/MD
Sample : VV0821MBL01
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK89

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
Quant Title : VOC Analysis

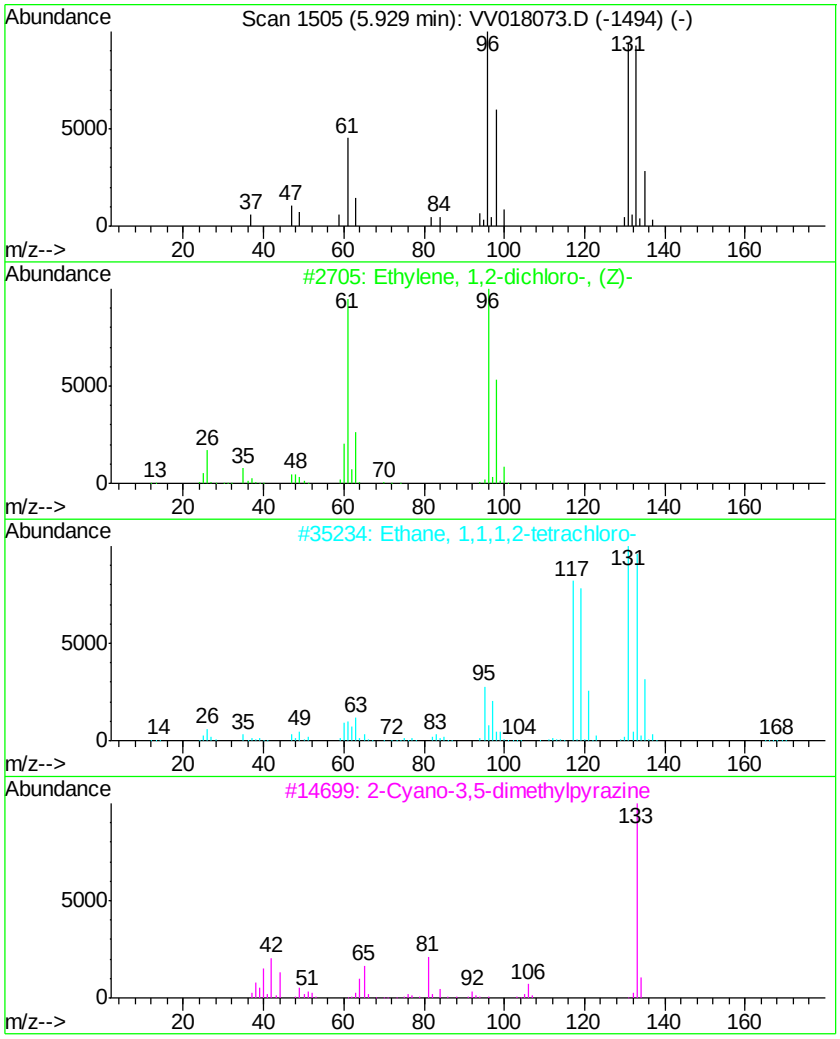
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

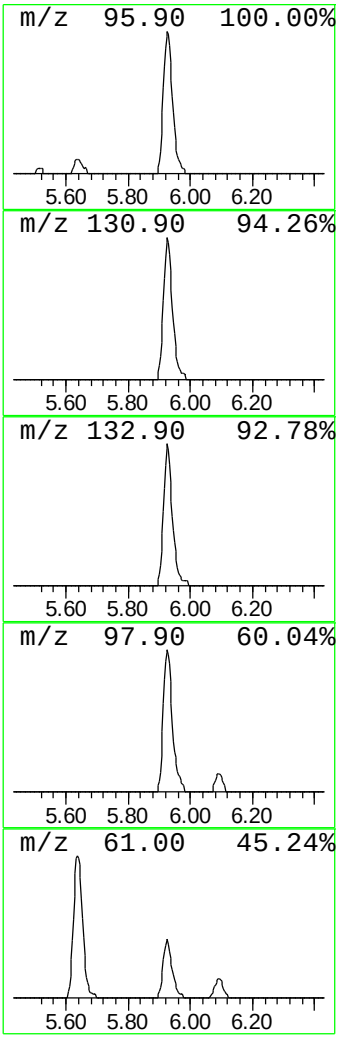
**********

Peak Number 1 unknown-01 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.93 | 2.85 ug/L | 40042 | 1,4-Difluorobenzene | 5.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethylene, 1,2-dichloro-, (Z)- | 96 | C2H2Cl2 | 000156-59-2 | 35 |
| 2 | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 25 |
| 3 | 2-Cyano-3,5-dimethylpyrazine | 133 | C7H7N3 | 124629-52-3 | 9 |
| 4 | Benzonitrile, 4-methoxy- | 133 | C8H7NO | 000874-90-8 | 9 |
| 5 | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3 | 9 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082120\
Data File : VV018073.D
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Operator : SY/MD
Sample : VV0821MBL01
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK89

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.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 | 2.9 | ug/L | 40042 | 1 | 5.64 | 703667 | 50.0 |