LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100820\
Data File : VV018758.D
Acq On : 08 Oct 2020 11:47
Operator : SY/MD
Sample : VV1008MBL01
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK70

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\SOMVLM092920WMA.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 | 1.315 | 63 | 70 | 82 | rVB | 183075 | 180451 | 13.02% | 1.787% |
| 2 | 1.576 | 144 | 151 | 168 | rVB | 166439 | 186477 | 13.46% | 1.847% |
| 3 | 2.122 | 311 | 321 | 343 | rVB | 315547 | 486218 | 35.09% | 4.815% |
| 4 | 2.309 | 374 | 379 | 385 | rBV3 | 1744 | 1969 | 0.14% | 0.019% |
| 5 | 2.527 | 439 | 447 | 457 | rVB6 | 2494 | 4310 | 0.31% | 0.043% |
| 6 | 2.595 | 465 | 468 | 471 | rVB2 | 626 | 334 | 0.02% | 0.003% |
| 7 | 2.614 | 472 | 474 | 476 | rBV | 232 | 75 | 0.01% | 0.001% |
| 8 | 2.634 | 477 | 480 | 484 | rBV2 | 652 | 502 | 0.04% | 0.005% |
| 9 | 2.695 | 496 | 499 | 501 | rBV2 | 312 | 205 | 0.01% | 0.002% |
| 10 | 2.785 | 522 | 527 | 528 | rBV2 | 914 | 811 | 0.06% | 0.008% |
| 11 | 2.862 | 549 | 551 | 556 | rBV2 | 274 | 248 | 0.02% | 0.002% |
| 12 | 2.888 | 556 | 559 | 565 | rVV2 | 428 | 362 | 0.03% | 0.004% |
| 13 | 2.958 | 577 | 581 | 583 | rBV2 | 447 | 319 | 0.02% | 0.003% |
| 14 | 3.023 | 599 | 601 | 603 | rBV2 | 196 | 74 | 0.01% | 0.001% |
| 15 | 3.042 | 605 | 607 | 608 | rBV2 | 353 | 105 | 0.01% | 0.001% |
| 16 | 3.087 | 619 | 621 | 624 | rBV | 294 | 144 | 0.01% | 0.001% |
| 17 | 3.177 | 646 | 649 | 652 | rBV2 | 417 | 336 | 0.02% | 0.003% |
| 18 | 3.209 | 657 | 659 | 661 | rBV | 243 | 168 | 0.01% | 0.002% |
| 19 | 3.238 | 667 | 668 | 670 | rBV | 182 | 102 | 0.01% | 0.001% |
| 20 | 3.322 | 691 | 694 | 697 | rBV | 285 | 210 | 0.02% | 0.002% |
| 21 | 3.399 | 715 | 718 | 720 | rBV | 174 | 104 | 0.01% | 0.001% |
| 22 | 3.431 | 726 | 728 | 730 | rBV | 240 | 116 | 0.01% | 0.001% |
| 23 | 3.579 | 771 | 774 | 775 | rBV | 162 | 101 | 0.01% | 0.001% |
| 24 | 3.592 | 775 | 778 | 782 | rVV | 315 | 220 | 0.02% | 0.002% |
| 25 | 3.614 | 782 | 785 | 791 | rVV2 | 395 | 364 | 0.03% | 0.004% |
| 26 | 3.688 | 805 | 808 | 811 | rBV2 | 333 | 215 | 0.02% | 0.002% |
| 27 | 3.746 | 822 | 826 | 829 | rBV | 339 | 261 | 0.02% | 0.003% |
| 28 | 3.762 | 829 | 831 | 832 | rBV | 338 | 122 | 0.01% | 0.001% |
| 29 | 3.798 | 838 | 842 | 846 | rBV | 542 | 403 | 0.03% | 0.004% |
| 30 | 3.904 | 865 | 875 | 906 | rBV | 101377 | 288856 | 20.85% | 2.860% |
| 31 | 4.373 | 1005 | 1021 | 1050 | rBV | 206274 | 532845 | 38.46% | 5.277% |
| 32 | 4.862 | 1171 | 1173 | 1175 | rBV2 | 355 | 139 | 0.01% | 0.001% |
| 33 | 5.071 | 1220 | 1238 | 1262 | rBV2 | 542389 | 1385576 | 100.00% | 13.721% |
| 34 | 5.344 | 1320 | 1323 | 1328 | rBV3 | 689 | 555 | 0.04% | 0.005% |

LSC Area Percent Report

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Data File : VV018758.D
Acq On : 08 Oct 2020 11:47
Operator : SY/MD
Sample : VV1008MBL01
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK70

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\SOMVLM092920WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 5.437 | 1348 | 1352 | 1354 | rBV2 | 671 | 596 | 0.04% | 0.006% |
| 36 | 5.640 | 1402 | 1415 | 1443 | rBV | 448630 | 897298 | 64.76% | 8.886% |
| 37 | 5.852 | 1480 | 1481 | 1485 | rBV2 | 425 | 328 | 0.02% | 0.003% |
| 38 | 5.926 | 1493 | 1504 | 1525 | rBV | 52148 | 108604 | 7.84% | 1.075% |
| 39 | 6.032 | 1535 | 1537 | 1541 | rBV3 | 392 | 315 | 0.02% | 0.003% |
| 40 | 6.093 | 1541 | 1556 | 1587 | rVV | 284332 | 579511 | 41.82% | 5.739% |
| 41 | 6.341 | 1631 | 1633 | 1638 | rVB3 | 383 | 248 | 0.02% | 0.002% |
| 42 | 6.415 | 1654 | 1656 | 1659 | rBV3 | 452 | 267 | 0.02% | 0.003% |
| 43 | 6.460 | 1667 | 1670 | 1673 | rBV3 | 370 | 277 | 0.02% | 0.003% |
| 44 | 6.482 | 1673 | 1677 | 1678 | rBV2 | 343 | 228 | 0.02% | 0.002% |
| 45 | 6.550 | 1691 | 1698 | 1699 | rBV2 | 659 | 620 | 0.04% | 0.006% |
| 46 | 6.640 | 1721 | 1726 | 1729 | rBV2 | 383 | 299 | 0.02% | 0.003% |
| 47 | 6.756 | 1759 | 1762 | 1764 | rBV2 | 462 | 211 | 0.02% | 0.002% |
| 48 | 6.801 | 1773 | 1776 | 1778 | rBV2 | 168 | 92 | 0.01% | 0.001% |
| 49 | 6.836 | 1784 | 1787 | 1788 | rBV | 231 | 105 | 0.01% | 0.001% |
| 50 | 6.929 | 1814 | 1816 | 1818 | rBV2 | 293 | 152 | 0.01% | 0.002% |
| 51 | 6.945 | 1818 | 1821 | 1825 | rVB | 448 | 344 | 0.02% | 0.003% |
| 52 | 7.006 | 1827 | 1840 | 1864 | rBV | 152556 | 278306 | 20.09% | 2.756% |
| 53 | 7.254 | 1915 | 1917 | 1920 | rBV3 | 818 | 500 | 0.04% | 0.005% |
| 54 | 7.338 | 1931 | 1943 | 1966 | rBV | 547831 | 943440 | 68.09% | 9.343% |
| 55 | 7.608 | 2024 | 2027 | 2028 | rBV | 448 | 210 | 0.02% | 0.002% |
| 56 | 7.643 | 2028 | 2038 | 2058 | rVV | 108715 | 190473 | 13.75% | 1.886% |
| 57 | 7.842 | 2098 | 2100 | 2102 | rBV2 | 395 | 215 | 0.02% | 0.002% |
| 58 | 7.913 | 2120 | 2122 | 2126 | rVB2 | 365 | 217 | 0.02% | 0.002% |
| 59 | 7.948 | 2129 | 2133 | 2135 | rBV2 | 347 | 259 | 0.02% | 0.003% |
| 60 | 8.000 | 2138 | 2149 | 2163 | rVV3 | 26018 | 45494 | 3.28% | 0.451% |
| 61 | 8.106 | 2172 | 2182 | 2218 | rBV2 | 245444 | 528589 | 38.15% | 5.234% |
| 62 | 8.469 | 2293 | 2295 | 2300 | rBV4 | 412 | 360 | 0.03% | 0.004% |
| 63 | 8.572 | 2325 | 2327 | 2328 | rBV2 | 304 | 81 | 0.01% | 0.001% |
| 64 | 8.601 | 2333 | 2336 | 2337 | rBV2 | 719 | 350 | 0.03% | 0.003% |
| 65 | 8.633 | 2342 | 2346 | 2348 | rBV3 | 638 | 419 | 0.03% | 0.004% |
| 66 | 8.730 | 2372 | 2376 | 2382 | rVB2 | 670 | 691 | 0.05% | 0.007% |
| 67 | 8.762 | 2382 | 2386 | 2390 | rBV | 477 | 387 | 0.03% | 0.004% |
| 68 | 8.788 | 2390 | 2394 | 2395 | rBV | 152 | 83 | 0.01% | 0.001% |
| 69 | 8.801 | 2395 | 2398 | 2405 | rBV2 | 361 | 408 | 0.03% | 0.004% |
| 70 | 8.871 | 2408 | 2420 | 2447 | rBV | 646780 | 1036226 | 74.79% | 10.261% |
| 71 | 9.228 | 2529 | 2531 | 2534 | rBV | 191 | 159 | 0.01% | 0.002% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100820\
Data File : VV018758.D
Acq On : 08 Oct 2020 11:47
Operator : SY/MD
Sample : VV1008MBL01
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK70

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\SOMVLM092920WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 9.289 | 2544 | 2550 | 2554 | rBV3 | 324 | 476 | 0.03% | 0.005% |
| 73 | 9.328 | 2560 | 2562 | 2563 | rBV | 222 | 90 | 0.01% | 0.001% |
| 74 | 9.418 | 2586 | 2590 | 2593 | rBV3 | 336 | 258 | 0.02% | 0.003% |
| 75 | 9.482 | 2606 | 2610 | 2612 | rBV2 | 373 | 297 | 0.02% | 0.003% |
| 76 | 9.559 | 2631 | 2634 | 2636 | rBV2 | 608 | 366 | 0.03% | 0.004% |
| 77 | 9.643 | 2659 | 2660 | 2662 | rVB | 307 | 102 | 0.01% | 0.001% |
| 78 | 9.659 | 2662 | 2665 | 2666 | rBV | 217 | 117 | 0.01% | 0.001% |
| 79 | 9.804 | 2707 | 2710 | 2713 | rBV3 | 463 | 281 | 0.02% | 0.003% |
| 80 | 9.878 | 2730 | 2733 | 2735 | rBV | 400 | 204 | 0.01% | 0.002% |
| 81 | 9.936 | 2749 | 2751 | 2752 | rBV | 236 | 119 | 0.01% | 0.001% |
| 82 | 10.109 | 2802 | 2805 | 2808 | rBV2 | 309 | 190 | 0.01% | 0.002% |
| 83 | 10.161 | 2819 | 2821 | 2826 | rVB | 159 | 91 | 0.01% | 0.001% |
| 84 | 10.238 | 2833 | 2845 | 2861 | rBV | 290807 | 453932 | 32.76% | 4.495% |
| 85 | 10.402 | 2893 | 2896 | 2901 | rVB2 | 533 | 302 | 0.02% | 0.003% |
| 86 | 10.427 | 2901 | 2904 | 2905 | rBV2 | 314 | 179 | 0.01% | 0.002% |
| 87 | 10.514 | 2929 | 2931 | 2933 | rBV2 | 238 | 108 | 0.01% | 0.001% |
| 88 | 10.559 | 2943 | 2945 | 2949 | rBV3 | 667 | 566 | 0.04% | 0.006% |
| 89 | 10.653 | 2972 | 2974 | 2977 | rBV | 229 | 74 | 0.01% | 0.001% |
| 90 | 10.691 | 2983 | 2986 | 2987 | rBV | 252 | 172 | 0.01% | 0.002% |
| 91 | 10.755 | 3001 | 3006 | 3009 | rBV3 | 424 | 340 | 0.02% | 0.003% |
| 92 | 10.862 | 3036 | 3039 | 3042 | rVV2 | 332 | 215 | 0.02% | 0.002% |
| 93 | 10.887 | 3045 | 3047 | 3050 | rBV | 342 | 227 | 0.02% | 0.002% |
| 94 | 10.945 | 3061 | 3065 | 3069 | rBV3 | 604 | 634 | 0.05% | 0.006% |
| 95 | 11.006 | 3082 | 3084 | 3089 | rBV3 | 293 | 167 | 0.01% | 0.002% |
| 96 | 11.206 | 3142 | 3146 | 3148 | rBV2 | 806 | 665 | 0.05% | 0.007% |
| 97 | 11.270 | 3154 | 3166 | 3188 | rBV | 636377 | 974449 | 70.33% | 9.650% |
| 98 | 11.646 | 3271 | 3283 | 3302 | rBV | 624561 | 972439 | 70.18% | 9.630% |
| 99 | 12.434 | 3522 | 3528 | 3532 | rBV3 | 783 | 962 | 0.07% | 0.010% |
| 100 | 13.736 | 3930 | 3933 | 3936 | rBV | 663 | 537 | 0.04% | 0.005% |

Sum of corrected areas: 10098218

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100820\
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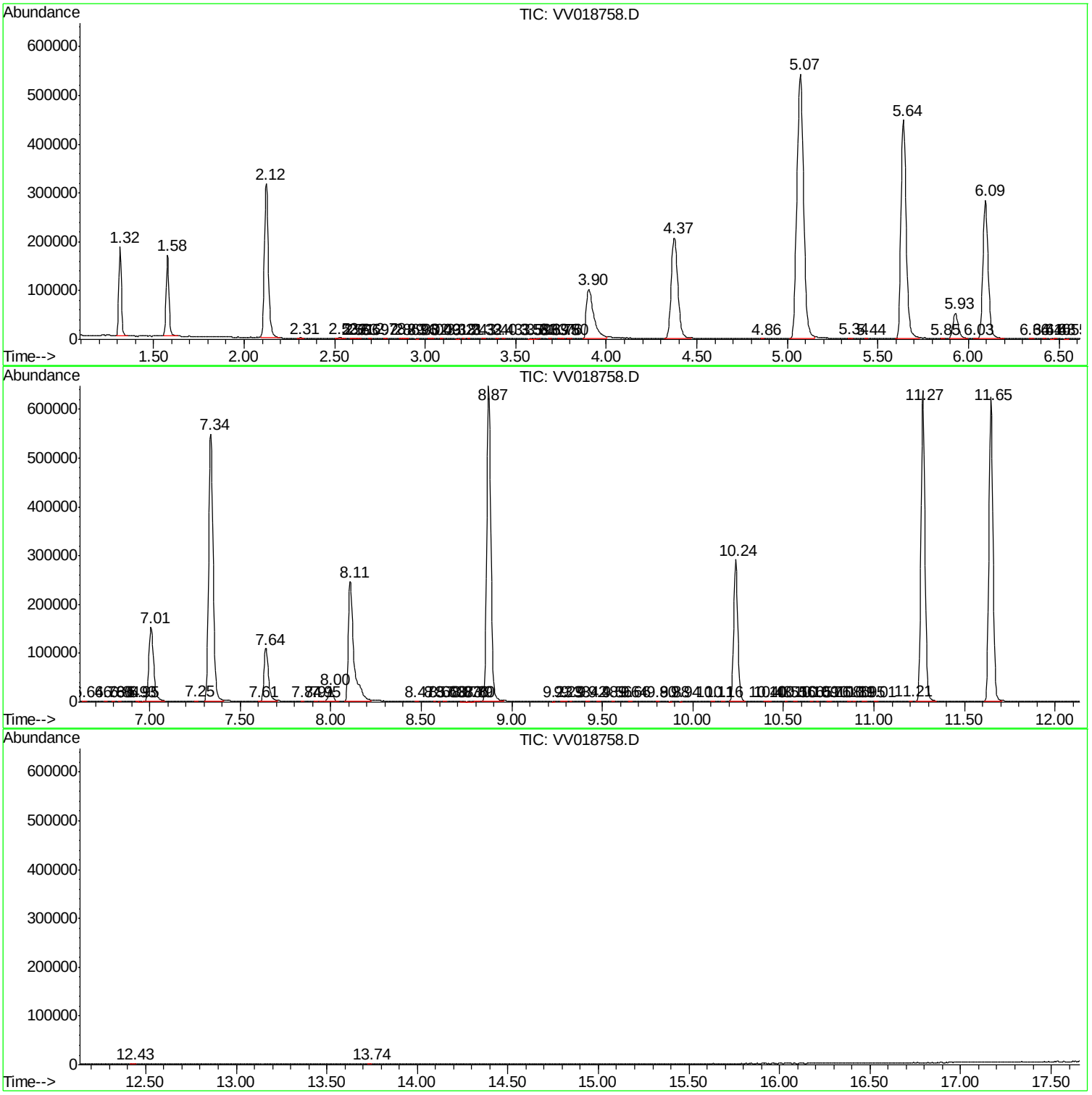
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK70

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.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\VV100820\
Data File : VV018758.D
Acq On : 08 Oct 2020 11:47
Operator : SY/MD
Sample : VV1008MBL01
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK70

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis

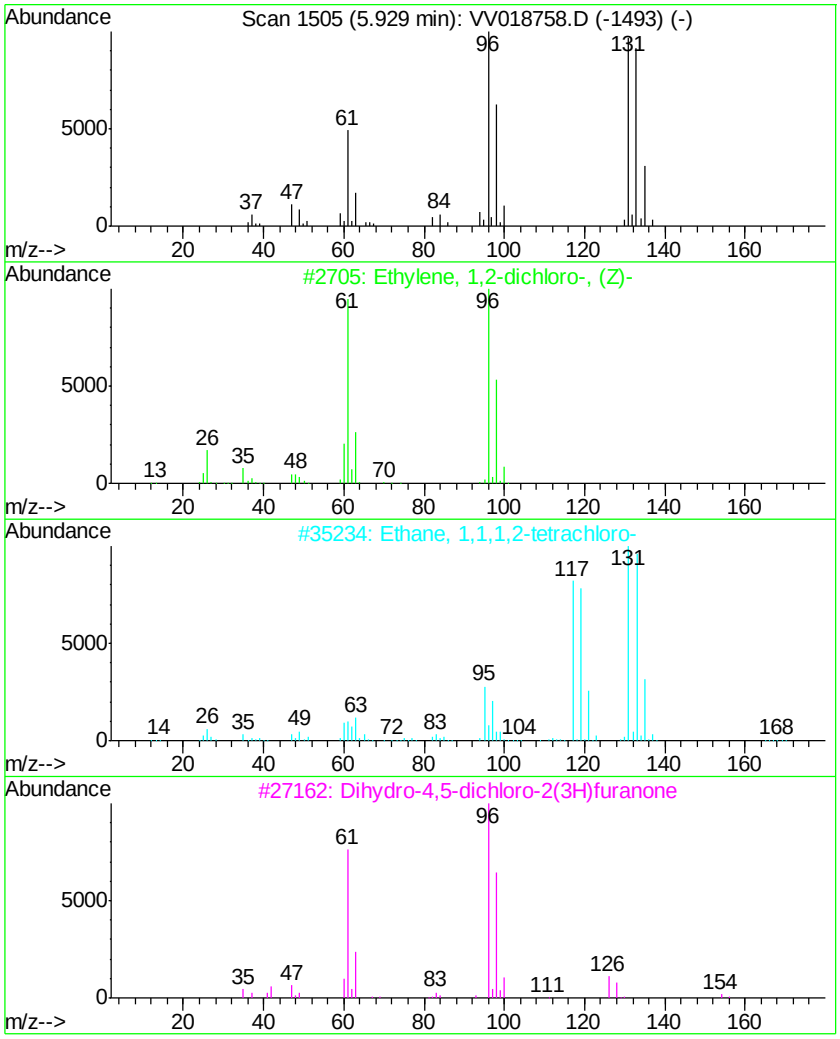
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

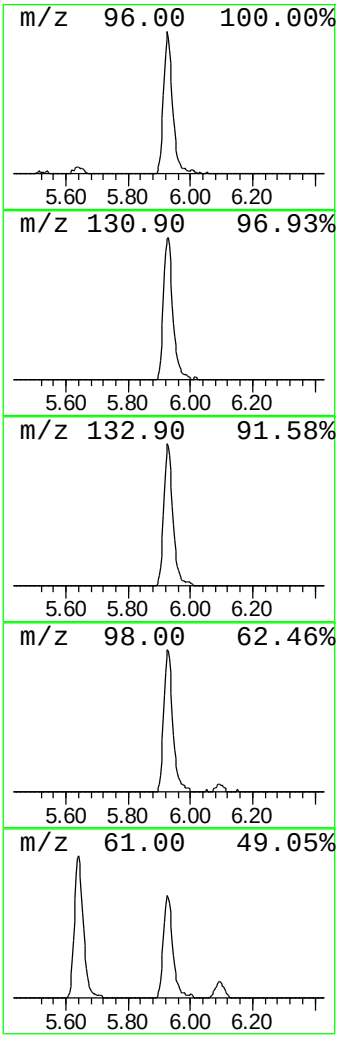
**********

Peak Number 1 unknown-01 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.93 | 6.05 ug/L | 108604 | 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 | 38 |
| 2 | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 38 |
| 3 | Dihydro-4,5-dichloro-2(3H)furanone | 154 | C4H4Cl2O2 | 114434-99-0 | 25 |
| 4 | Acetylthiosemicarbazide | 133 | C3H7N3OS | 002302-88-7 | 10 |
| 5 | 2H-Benzotriazole, 2-methyl- | 133 | C7H7N3 | 016584-00-2 | 9 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100820\
Data File : VV018758.D
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Operator : SY/MD
Sample : VV1008MBL01
Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VBLK70

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.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 | 6.0 | ug/L | 108604 | 1 | 5.64 | 897298 | 50.0 |