LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100720\
Data File : VV018732.D
Acq On : 07 Oct 2020 15:59
Operator : SY/MD
Sample : L4284-07
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 39 Sample Multiplier: 1

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

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 | 64 | 70 | 81 | rVB | 131663 | 131510 | 12.58% | 1.730% |
| 2 | 1.579 | 145 | 152 | 167 | rVB | 115845 | 134790 | 12.89% | 1.774% |
| 3 | 2.122 | 312 | 321 | 339 | rBV | 234956 | 351232 | 33.59% | 4.622% |
| 4 | 2.421 | 411 | 414 | 416 | rBV | 507 | 322 | 0.03% | 0.004% |
| 5 | 2.740 | 511 | 513 | 518 | rVB4 | 792 | 562 | 0.05% | 0.007% |
| 6 | 2.765 | 518 | 521 | 524 | rBV | 669 | 484 | 0.05% | 0.006% |
| 7 | 2.833 | 538 | 542 | 544 | rBV2 | 569 | 493 | 0.05% | 0.006% |
| 8 | 2.881 | 556 | 557 | 567 | rVB6 | 777 | 915 | 0.09% | 0.012% |
| 9 | 2.974 | 582 | 586 | 588 | rBV3 | 679 | 508 | 0.05% | 0.007% |
| 10 | 3.016 | 595 | 599 | 604 | rVB4 | 770 | 708 | 0.07% | 0.009% |
| 11 | 3.045 | 604 | 608 | 609 | rBV2 | 590 | 351 | 0.03% | 0.005% |
| 12 | 3.145 | 636 | 639 | 644 | rVB4 | 313 | 317 | 0.03% | 0.004% |
| 13 | 3.171 | 644 | 647 | 653 | rBV5 | 931 | 856 | 0.08% | 0.011% |
| 14 | 3.225 | 658 | 664 | 668 | rBV3 | 566 | 593 | 0.06% | 0.008% |
| 15 | 3.293 | 683 | 685 | 686 | rBV | 685 | 316 | 0.03% | 0.004% |
| 16 | 3.341 | 696 | 700 | 703 | rVV5 | 690 | 422 | 0.04% | 0.006% |
| 17 | 3.364 | 703 | 707 | 713 | rVB4 | 418 | 492 | 0.05% | 0.006% |
| 18 | 3.412 | 720 | 722 | 724 | rBV3 | 530 | 330 | 0.03% | 0.004% |
| 19 | 3.460 | 735 | 737 | 740 | rBV3 | 673 | 440 | 0.04% | 0.006% |
| 20 | 3.479 | 740 | 743 | 746 | rVV3 | 555 | 432 | 0.04% | 0.006% |
| 21 | 3.663 | 797 | 800 | 806 | rVV4 | 323 | 399 | 0.04% | 0.005% |
| 22 | 3.720 | 815 | 818 | 819 | rVV3 | 415 | 286 | 0.03% | 0.004% |
| 23 | 3.743 | 823 | 825 | 828 | rVB2 | 603 | 306 | 0.03% | 0.004% |
| 24 | 3.814 | 843 | 847 | 851 | rBV4 | 741 | 657 | 0.06% | 0.009% |
| 25 | 3.913 | 867 | 878 | 909 | rBV | 63031 | 185351 | 17.73% | 2.439% |
| 26 | 4.254 | 981 | 984 | 987 | rBV3 | 924 | 668 | 0.06% | 0.009% |
| 27 | 4.370 | 1007 | 1020 | 1021 | rBV3 | 166630 | 183430 | 17.54% | 2.414% |
| 28 | 4.810 | 1155 | 1157 | 1160 | rVB | 850 | 331 | 0.03% | 0.004% |
| 29 | 4.846 | 1165 | 1168 | 1169 | rBV2 | 720 | 326 | 0.03% | 0.004% |
| 30 | 5.071 | 1221 | 1238 | 1261 | rBV2 | 402315 | 1045600 | 100.00% | 13.759% |
| 31 | 5.511 | 1373 | 1375 | 1376 | rBV2 | 553 | 285 | 0.03% | 0.004% |
| 32 | 5.560 | 1388 | 1390 | 1392 | rVB2 | 667 | 305 | 0.03% | 0.004% |
| 33 | 5.640 | 1399 | 1415 | 1439 | rBV | 325397 | 655028 | 62.65% | 8.619% |
| 34 | 5.833 | 1471 | 1475 | 1479 | rBV7 | 634 | 515 | 0.05% | 0.007% |

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Sample : L4284-07
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 39 Sample Multiplier: 1

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

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 | 5.871 | 1482 | 1487 | 1488 | rBV4 | 1031 | 811 | 0.08% | 0.011% |
| 36 | 5.926 | 1494 | 1504 | 1522 | rBV2 | 46779 | 95922 | 9.17% | 1.262% |
| 37 | 6.093 | 1542 | 1556 | 1577 | rBV | 213930 | 432483 | 41.36% | 5.691% |
| 38 | 6.341 | 1630 | 1633 | 1637 | rVB3 | 654 | 397 | 0.04% | 0.005% |
| 39 | 6.418 | 1653 | 1657 | 1660 | rVB3 | 615 | 405 | 0.04% | 0.005% |
| 40 | 6.463 | 1668 | 1671 | 1674 | rBV2 | 646 | 496 | 0.05% | 0.007% |
| 41 | 6.508 | 1683 | 1685 | 1687 | rBV | 661 | 336 | 0.03% | 0.004% |
| 42 | 6.659 | 1730 | 1732 | 1737 | rBV2 | 936 | 944 | 0.09% | 0.012% |
| 43 | 6.749 | 1758 | 1760 | 1764 | rVB3 | 686 | 319 | 0.03% | 0.004% |
| 44 | 6.814 | 1778 | 1780 | 1782 | rBV | 598 | 339 | 0.03% | 0.004% |
| 45 | 6.920 | 1808 | 1813 | 1816 | rBV4 | 585 | 595 | 0.06% | 0.008% |
| 46 | 7.006 | 1827 | 1840 | 1860 | rBV | 115347 | 211203 | 20.20% | 2.779% |
| 47 | 7.187 | 1893 | 1896 | 1897 | rBV2 | 618 | 336 | 0.03% | 0.004% |
| 48 | 7.338 | 1929 | 1943 | 1965 | rBV | 423997 | 731534 | 69.96% | 9.626% |
| 49 | 7.643 | 2027 | 2038 | 2058 | rBV | 84950 | 153053 | 14.64% | 2.014% |
| 50 | 7.797 | 2085 | 2086 | 2090 | rBV3 | 668 | 354 | 0.03% | 0.005% |
| 51 | 7.868 | 2106 | 2108 | 2111 | rBV2 | 886 | 465 | 0.04% | 0.006% |
| 52 | 7.907 | 2117 | 2120 | 2121 | rBV3 | 689 | 358 | 0.03% | 0.005% |
| 53 | 8.000 | 2141 | 2149 | 2160 | rBV5 | 7510 | 13785 | 1.32% | 0.181% |
| 54 | 8.048 | 2161 | 2164 | 2167 | rBV2 | 597 | 456 | 0.04% | 0.006% |
| 55 | 8.109 | 2173 | 2183 | 2219 | rBV3 | 168288 | 389712 | 37.27% | 5.128% |
| 56 | 8.408 | 2273 | 2276 | 2281 | rBV7 | 1313 | 1195 | 0.11% | 0.016% |
| 57 | 8.453 | 2287 | 2290 | 2292 | rBV3 | 697 | 449 | 0.04% | 0.006% |
| 58 | 8.685 | 2358 | 2362 | 2365 | rBV2 | 698 | 644 | 0.06% | 0.008% |
| 59 | 8.823 | 2403 | 2405 | 2407 | rBV2 | 732 | 336 | 0.03% | 0.004% |
| 60 | 8.871 | 2409 | 2420 | 2439 | rBV | 596451 | 975002 | 93.25% | 12.830% |
| 61 | 9.460 | 2601 | 2603 | 2605 | rBV3 | 837 | 479 | 0.05% | 0.006% |
| 62 | 9.502 | 2613 | 2616 | 2620 | rBV3 | 812 | 655 | 0.06% | 0.009% |
| 63 | 9.801 | 2705 | 2709 | 2712 | rBV5 | 965 | 839 | 0.08% | 0.011% |
| 64 | 9.884 | 2731 | 2735 | 2738 | rBV4 | 850 | 772 | 0.07% | 0.010% |
| 65 | 10.026 | 2776 | 2779 | 2781 | rBV3 | 694 | 499 | 0.05% | 0.007% |
| 66 | 10.238 | 2834 | 2845 | 2860 | rBV | 241099 | 388276 | 37.13% | 5.109% |
| 67 | 10.624 | 2963 | 2965 | 2967 | rBV3 | 929 | 488 | 0.05% | 0.006% |
| 68 | 10.801 | 3018 | 3020 | 3022 | rBV3 | 560 | 363 | 0.03% | 0.005% |
| 69 | 10.897 | 3044 | 3050 | 3053 | rBV5 | 891 | 944 | 0.09% | 0.012% |
| 70 | 10.919 | 3055 | 3057 | 3061 | rVV2 | 728 | 513 | 0.05% | 0.007% |
| 71 | 11.128 | 3119 | 3122 | 3126 | rBV3 | 704 | 526 | 0.05% | 0.007% |

LSC Area Percent Report

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Sample : L4284-07
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 39 Sample Multiplier: 1

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

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 | 11.212 | 3145 | 3148 | 3151 | rVB | 698 | 450 | 0.04% | 0.006% |
| 73 | 11.270 | 3151 | 3166 | 3185 | rBV | 497802 | 763543 | 73.02% | 10.047% |
| 74 | 11.646 | 3269 | 3283 | 3306 | rBV | 461855 | 719608 | 68.82% | 9.469% |
| 75 | 11.884 | 3354 | 3357 | 3361 | rBV2 | 575 | 423 | 0.04% | 0.006% |
| 76 | 12.128 | 3431 | 3433 | 3438 | rVB2 | 746 | 406 | 0.04% | 0.005% |
| 77 | 12.183 | 3446 | 3450 | 3454 | rVB5 | 497 | 399 | 0.04% | 0.005% |
| 78 | 12.212 | 3457 | 3459 | 3462 | rVB4 | 814 | 451 | 0.04% | 0.006% |
| 79 | 12.263 | 3471 | 3475 | 3479 | rBV | 655 | 499 | 0.05% | 0.007% |
| 80 | 12.511 | 3548 | 3552 | 3555 | rBV2 | 457 | 333 | 0.03% | 0.004% |
| 81 | 12.829 | 3649 | 3651 | 3656 | rVB2 | 458 | 301 | 0.03% | 0.004% |
| 82 | 12.926 | 3677 | 3681 | 3683 | rBV2 | 625 | 510 | 0.05% | 0.007% |
| 83 | 13.026 | 3708 | 3712 | 3713 | rBV2 | 703 | 416 | 0.04% | 0.005% |
| 84 | 13.112 | 3737 | 3739 | 3742 | rBV | 614 | 350 | 0.03% | 0.005% |
| 85 | 13.273 | 3783 | 3789 | 3790 | rBV | 556 | 447 | 0.04% | 0.006% |
| 86 | 13.357 | 3813 | 3815 | 3819 | rVB2 | 708 | 380 | 0.04% | 0.005% |
| 87 | 13.386 | 3822 | 3824 | 3826 | rVV2 | 665 | 295 | 0.03% | 0.004% |
| 88 | 13.405 | 3826 | 3830 | 3832 | rVB3 | 711 | 516 | 0.05% | 0.007% |
| 89 | 13.559 | 3875 | 3878 | 3881 | rBV2 | 491 | 287 | 0.03% | 0.004% |
| 90 | 13.646 | 3902 | 3905 | 3906 | rBV3 | 621 | 342 | 0.03% | 0.005% |
| 91 | 13.826 | 3957 | 3961 | 3965 | rVB3 | 559 | 490 | 0.05% | 0.006% |
| 92 | 13.929 | 3991 | 3993 | 3996 | rVB2 | 595 | 304 | 0.03% | 0.004% |
| 93 | 13.948 | 3996 | 3999 | 4001 | rBV3 | 589 | 355 | 0.03% | 0.005% |
| 94 | 14.247 | 4089 | 4092 | 4094 | rBV2 | 498 | 329 | 0.03% | 0.004% |
| 95 | 14.601 | 4200 | 4202 | 4206 | rBV3 | 547 | 400 | 0.04% | 0.005% |
| 96 | 14.630 | 4209 | 4211 | 4213 | rBV3 | 700 | 301 | 0.03% | 0.004% |
| 97 | 14.942 | 4306 | 4308 | 4311 | rBV2 | 436 | 292 | 0.03% | 0.004% |
| 98 | 15.115 | 4358 | 4362 | 4365 | rBV3 | 487 | 348 | 0.03% | 0.005% |
| 99 | 15.183 | 4381 | 4383 | 4386 | rBV3 | 579 | 474 | 0.05% | 0.006% |
| 100 | 15.566 | 4500 | 4502 | 4506 | rBV3 | 623 | 460 | 0.04% | 0.006% |

Sum of corrected areas: 7599552

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100720\
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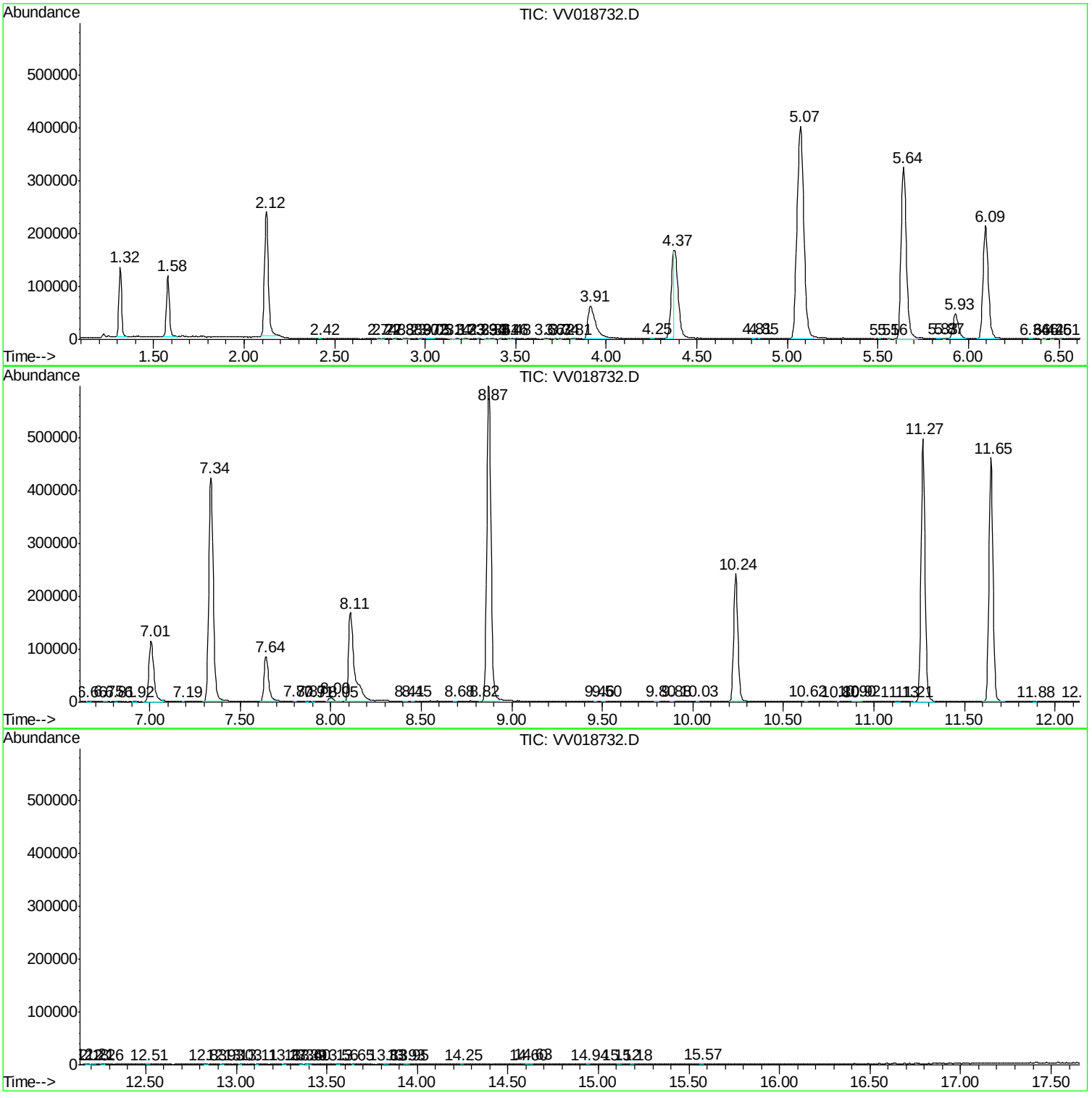
Sample : L4284-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

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

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100720\
Data File : VV018732.D
Acq On : 07 Oct 2020 15:59
Operator : SY/MD
Sample : L4284-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 39 Sample Multiplier: 1

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

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

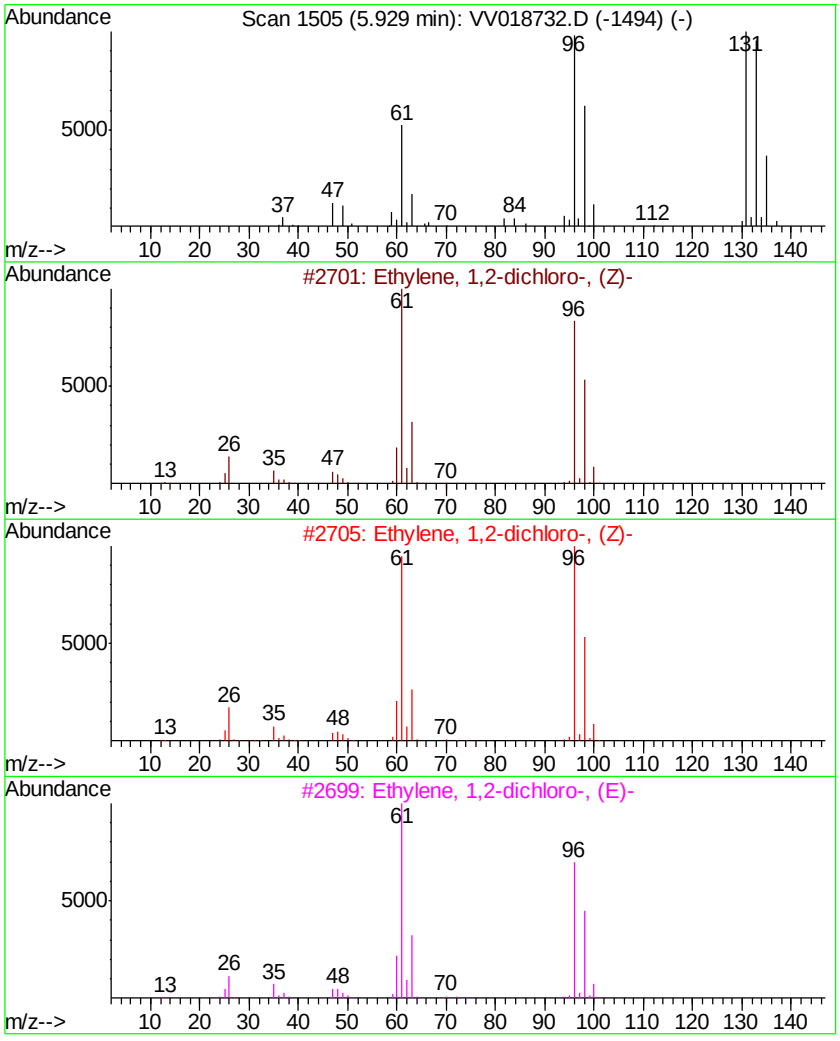
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

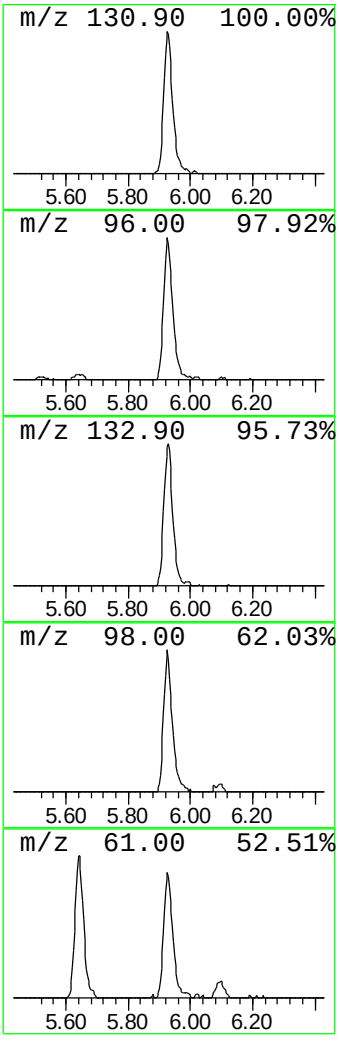
**********

Peak Number 1 unknown-01 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.93 | 7.32 ug/L | 95922 | 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 | Ethylene, 1,2-dichloro-, (Z)- | 96 | C2H2Cl2 | 000156-59-2 | 35 |
| 3 | Ethylene, 1,2-dichloro-, (E)- | 96 | C2H2Cl2 | 000156-60-5 | 35 |
| 4 | Ethene, 1,1-dichloro- | 96 | C2H2Cl2 | 000075-35-4 | 35 |
| 5 | Ethene, 1,1-dichloro- | 96 | C2H2Cl2 | 000075-35-4 | 35 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100720\
Data File : VV018732.D
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**ClientSampleId :**

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 | 7.3 | ug/L | 95922 | 1 | 5.64 | 655028 | 50.0 |