LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100720\
Data File : VV018725.D
Acq On : 07 Oct 2020 13:14
Operator : SY/MD
Sample : L4284-05
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG3W7

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 | 1.316 | 64 | 70 | 82 | rVB | 128570 | 130833 | 14.17% | 1.771% |
| 2 | 1.579 | 145 | 152 | 161 | rBV | 121767 | 134150 | 14.53% | 1.816% |
| 3 | 2.123 | 312 | 321 | 340 | rBV | 234677 | 345671 | 37.43% | 4.678% |
| 4 | 2.753 | 515 | 517 | 519 | rBV3 | 543 | 278 | 0.03% | 0.004% |
| 5 | 2.894 | 559 | 561 | 564 | rBV2 | 682 | 369 | 0.04% | 0.005% |
| 6 | 3.261 | 673 | 675 | 680 | rBV2 | 581 | 504 | 0.05% | 0.007% |
| 7 | 3.325 | 690 | 695 | 699 | rVB5 | 955 | 792 | 0.09% | 0.011% |
| 8 | 3.457 | 734 | 736 | 740 | rBV3 | 424 | 313 | 0.03% | 0.004% |
| 9 | 3.624 | 784 | 788 | 792 | rVB4 | 763 | 662 | 0.07% | 0.009% |
| 10 | 3.640 | 792 | 793 | 796 | rBV2 | 574 | 292 | 0.03% | 0.004% |
| 11 | 3.688 | 806 | 808 | 813 | rBV3 | 397 | 284 | 0.03% | 0.004% |
| 12 | 3.740 | 820 | 824 | 827 | rBV2 | 552 | 346 | 0.04% | 0.005% |
| 13 | 3.759 | 827 | 830 | 833 | rVV2 | 577 | 438 | 0.05% | 0.006% |
| 14 | 3.811 | 842 | 846 | 848 | rBV2 | 575 | 458 | 0.05% | 0.006% |
| 15 | 3.913 | 866 | 878 | 909 | rBV | 52813 | 167336 | 18.12% | 2.265% |
| 16 | 4.184 | 960 | 962 | 967 | rBV3 | 967 | 727 | 0.08% | 0.010% |
| 17 | 4.376 | 1007 | 1022 | 1050 | rBV | 149170 | 370932 | 40.16% | 5.020% |
| 18 | 4.553 | 1074 | 1077 | 1079 | rBV4 | 834 | 494 | 0.05% | 0.007% |
| 19 | 4.579 | 1082 | 1085 | 1090 | rBV3 | 1108 | 820 | 0.09% | 0.011% |
| 20 | 4.605 | 1090 | 1093 | 1096 | rBV2 | 807 | 466 | 0.05% | 0.006% |
| 21 | 4.688 | 1117 | 1119 | 1122 | rBV2 | 623 | 415 | 0.04% | 0.006% |
| 22 | 4.753 | 1137 | 1139 | 1142 | rVB2 | 826 | 429 | 0.05% | 0.006% |
| 23 | 4.778 | 1142 | 1147 | 1154 | rBV5 | 641 | 665 | 0.07% | 0.009% |
| 24 | 4.872 | 1172 | 1176 | 1177 | rBV2 | 1217 | 731 | 0.08% | 0.010% |
| 25 | 4.936 | 1193 | 1196 | 1199 | rBV5 | 706 | 515 | 0.06% | 0.007% |
| 26 | 5.071 | 1219 | 1238 | 1262 | rBV2 | 362336 | 923566 | 100.00% | 12.499% |
| 27 | 5.325 | 1313 | 1317 | 1319 | rBV2 | 853 | 448 | 0.05% | 0.006% |
| 28 | 5.348 | 1322 | 1324 | 1327 | rBV2 | 597 | 426 | 0.05% | 0.006% |
| 29 | 5.534 | 1377 | 1382 | 1383 | rBV3 | 515 | 435 | 0.05% | 0.006% |
| 30 | 5.569 | 1390 | 1393 | 1395 | rBV3 | 906 | 463 | 0.05% | 0.006% |
| 31 | 5.640 | 1403 | 1415 | 1434 | rBV | 341854 | 670670 | 72.62% | 9.077% |
| 32 | 5.926 | 1493 | 1504 | 1523 | rBV2 | 47655 | 96717 | 10.47% | 1.309% |
| 33 | 6.093 | 1543 | 1556 | 1576 | rBV | 205442 | 420274 | 45.51% | 5.688% |
| 34 | 6.360 | 1636 | 1639 | 1640 | rBV2 | 742 | 383 | 0.04% | 0.005% |

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Sample : L4284-05
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG3W7

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 | 6.402 | 1647 | 1652 | 1655 | rVB2 | 581 | 569 | 0.06% | 0.008% |
| 36 | 6.444 | 1662 | 1665 | 1671 | rBV6 | 775 | 884 | 0.10% | 0.012% |
| 37 | 6.569 | 1700 | 1704 | 1707 | rBV3 | 777 | 544 | 0.06% | 0.007% |
| 38 | 6.624 | 1718 | 1721 | 1723 | rBV2 | 520 | 293 | 0.03% | 0.004% |
| 39 | 6.891 | 1801 | 1804 | 1807 | rBV2 | 676 | 287 | 0.03% | 0.004% |
| 40 | 7.007 | 1827 | 1840 | 1858 | rBV | 112049 | 205554 | 22.26% | 2.782% |
| 41 | 7.338 | 1931 | 1943 | 1962 | rBV | 420058 | 723248 | 78.31% | 9.788% |
| 42 | 7.643 | 2027 | 2038 | 2060 | rBV2 | 83804 | 148423 | 16.07% | 2.009% |
| 43 | 7.810 | 2086 | 2090 | 2094 | rBV3 | 657 | 698 | 0.08% | 0.009% |
| 44 | 7.997 | 2142 | 2148 | 2162 | rVB9 | 3506 | 6488 | 0.70% | 0.088% |
| 45 | 8.052 | 2162 | 2165 | 2167 | rBV | 623 | 411 | 0.04% | 0.006% |
| 46 | 8.064 | 2167 | 2169 | 2173 | rBV3 | 735 | 431 | 0.05% | 0.006% |
| 47 | 8.109 | 2173 | 2183 | 2223 | rBV3 | 174234 | 405717 | 43.93% | 5.491% |
| 48 | 8.772 | 2385 | 2389 | 2392 | rBV2 | 758 | 644 | 0.07% | 0.009% |
| 49 | 8.810 | 2398 | 2401 | 2406 | rBV3 | 403 | 382 | 0.04% | 0.005% |
| 50 | 8.871 | 2408 | 2420 | 2444 | rBV | 497060 | 800036 | 86.62% | 10.828% |
| 51 | 9.023 | 2464 | 2467 | 2469 | rVB2 | 640 | 369 | 0.04% | 0.005% |
| 52 | 9.042 | 2470 | 2473 | 2476 | rBV4 | 509 | 308 | 0.03% | 0.004% |
| 53 | 9.103 | 2488 | 2492 | 2495 | rBV4 | 713 | 477 | 0.05% | 0.006% |
| 54 | 9.228 | 2529 | 2531 | 2537 | rVB4 | 521 | 418 | 0.05% | 0.006% |
| 55 | 9.264 | 2537 | 2542 | 2546 | rBV3 | 563 | 567 | 0.06% | 0.008% |
| 56 | 9.338 | 2561 | 2565 | 2569 | rBV4 | 807 | 621 | 0.07% | 0.008% |
| 57 | 9.428 | 2590 | 2593 | 2596 | rBV3 | 479 | 326 | 0.04% | 0.004% |
| 58 | 9.473 | 2604 | 2607 | 2609 | rBV2 | 597 | 314 | 0.03% | 0.004% |
| 59 | 9.505 | 2614 | 2617 | 2622 | rVB3 | 524 | 339 | 0.04% | 0.005% |
| 60 | 9.556 | 2631 | 2633 | 2636 | rVB3 | 426 | 290 | 0.03% | 0.004% |
| 61 | 9.672 | 2667 | 2669 | 2673 | rBV2 | 306 | 290 | 0.03% | 0.004% |
| 62 | 9.733 | 2685 | 2688 | 2692 | rBV | 779 | 424 | 0.05% | 0.006% |
| 63 | 9.910 | 2740 | 2743 | 2747 | rBV2 | 502 | 419 | 0.05% | 0.006% |
| 64 | 10.029 | 2777 | 2780 | 2784 | rVB2 | 484 | 333 | 0.04% | 0.005% |
| 65 | 10.052 | 2784 | 2787 | 2791 | rBV2 | 458 | 396 | 0.04% | 0.005% |
| 66 | 10.071 | 2791 | 2793 | 2798 | rVB4 | 699 | 544 | 0.06% | 0.007% |
| 67 | 10.103 | 2799 | 2803 | 2804 | rBV2 | 452 | 299 | 0.03% | 0.004% |
| 68 | 10.238 | 2830 | 2845 | 2862 | rBV | 222027 | 347599 | 37.64% | 4.704% |
| 69 | 10.457 | 2910 | 2913 | 2916 | rBV3 | 835 | 589 | 0.06% | 0.008% |
| 70 | 10.637 | 2965 | 2969 | 2972 | rBV3 | 585 | 351 | 0.04% | 0.005% |
| 71 | 10.659 | 2972 | 2976 | 2978 | rVB2 | 582 | 331 | 0.04% | 0.004% |

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Sample : L4284-05
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG3W7

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 | 10.769 | 3007 | 3010 | 3013 | rVB3 | 446 | 347 | 0.04% | 0.005% |
| 73 | 10.794 | 3014 | 3018 | 3021 | rVB2 | 372 | 300 | 0.03% | 0.004% |
| 74 | 10.936 | 3060 | 3062 | 3065 | rBV3 | 625 | 352 | 0.04% | 0.005% |
| 75 | 10.955 | 3065 | 3068 | 3072 | rBV3 | 728 | 617 | 0.07% | 0.008% |
| 76 | 11.019 | 3086 | 3088 | 3092 | rVB3 | 996 | 503 | 0.05% | 0.007% |
| 77 | 11.045 | 3092 | 3096 | 3100 | rBV3 | 720 | 519 | 0.06% | 0.007% |
| 78 | 11.135 | 3122 | 3124 | 3126 | rBV | 492 | 316 | 0.03% | 0.004% |
| 79 | 11.193 | 3138 | 3142 | 3146 | rBV4 | 936 | 888 | 0.10% | 0.012% |
| 80 | 11.270 | 3154 | 3166 | 3186 | rBV | 478982 | 743230 | 80.47% | 10.059% |
| 81 | 11.479 | 3229 | 3231 | 3234 | rVB | 664 | 282 | 0.03% | 0.004% |
| 82 | 11.646 | 3270 | 3283 | 3303 | rBV | 454925 | 710809 | 76.96% | 9.620% |
| 83 | 11.887 | 3355 | 3358 | 3360 | rBV2 | 562 | 395 | 0.04% | 0.005% |
| 84 | 12.067 | 3412 | 3414 | 3421 | rVB3 | 699 | 379 | 0.04% | 0.005% |
| 85 | 12.283 | 3480 | 3481 | 3486 | rVV3 | 590 | 437 | 0.05% | 0.006% |
| 86 | 12.373 | 3505 | 3509 | 3517 | rBV6 | 1665 | 1837 | 0.20% | 0.025% |
| 87 | 12.415 | 3520 | 3522 | 3527 | rVB2 | 668 | 364 | 0.04% | 0.005% |
| 88 | 12.659 | 3596 | 3598 | 3600 | rBV2 | 721 | 342 | 0.04% | 0.005% |
| 89 | 12.913 | 3675 | 3677 | 3680 | rBV2 | 716 | 435 | 0.05% | 0.006% |
| 90 | 13.100 | 3730 | 3735 | 3737 | rBV3 | 468 | 399 | 0.04% | 0.005% |
| 91 | 13.141 | 3745 | 3748 | 3749 | rBV | 510 | 283 | 0.03% | 0.004% |
| 92 | 13.251 | 3779 | 3782 | 3786 | rBV2 | 558 | 443 | 0.05% | 0.006% |
| 93 | 13.270 | 3786 | 3788 | 3792 | rVB | 595 | 287 | 0.03% | 0.004% |
| 94 | 13.293 | 3792 | 3795 | 3797 | rBV3 | 819 | 507 | 0.05% | 0.007% |
| 95 | 13.379 | 3818 | 3822 | 3824 | rBV3 | 538 | 425 | 0.05% | 0.006% |
| 96 | 13.399 | 3824 | 3828 | 3829 | rVV3 | 469 | 302 | 0.03% | 0.004% |
| 97 | 13.669 | 3908 | 3912 | 3916 | rVV3 | 480 | 325 | 0.04% | 0.004% |
| 98 | 14.897 | 4292 | 4294 | 4296 | rBV2 | 571 | 281 | 0.03% | 0.004% |
| 99 | 14.990 | 4319 | 4323 | 4326 | rBV3 | 581 | 428 | 0.05% | 0.006% |
| 100 | 15.183 | 4381 | 4383 | 4384 | rBV | 710 | 363 | 0.04% | 0.005% |

Sum of corrected areas: 7388910

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100720\
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Acq On : 07 Oct 2020 13:14
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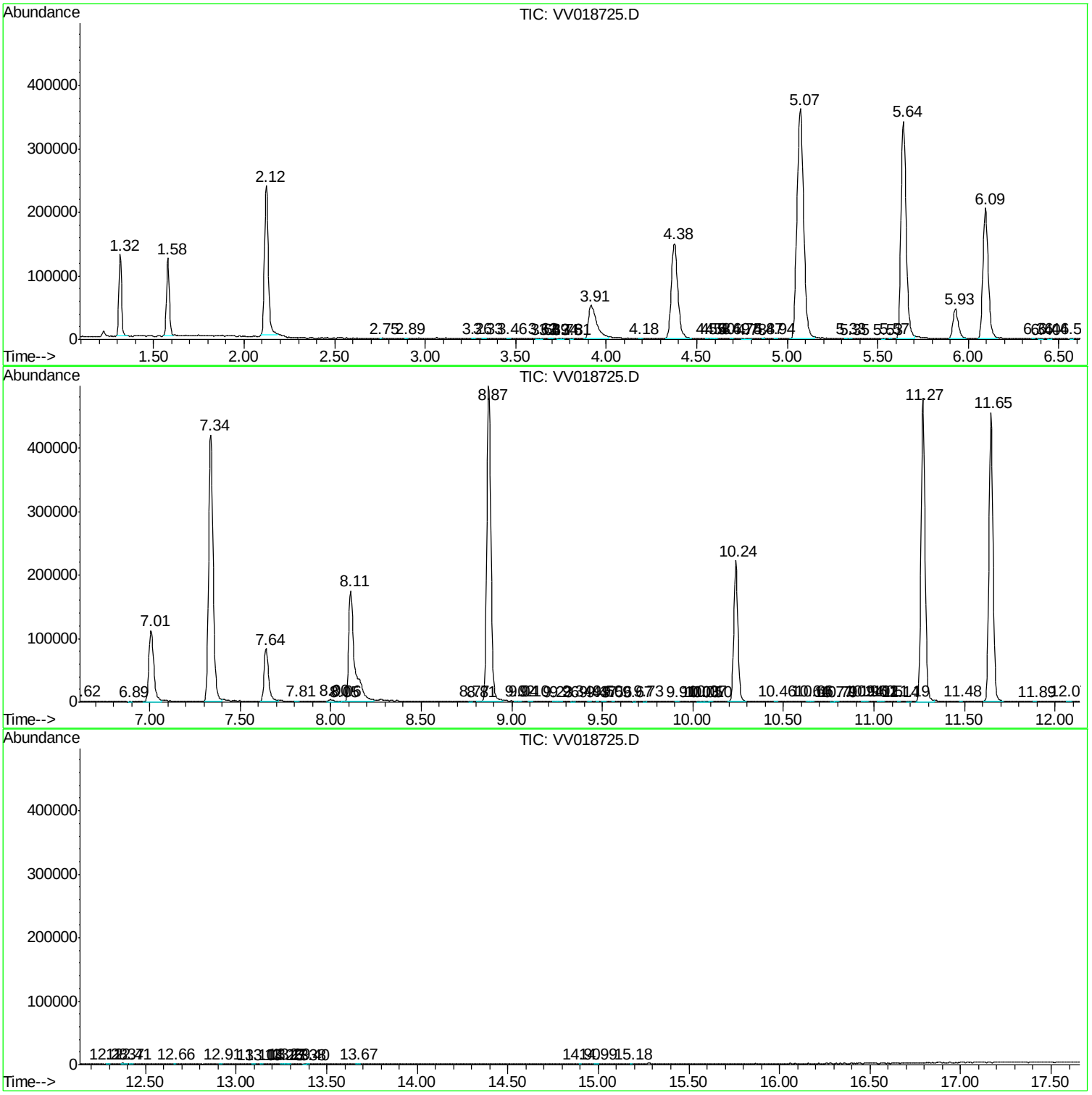
Sample : L4284-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG3W7

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\VV100720\
Data File : VV018725.D
Acq On : 07 Oct 2020 13:14
Operator : SY/MD
Sample : L4284-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG3W7

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

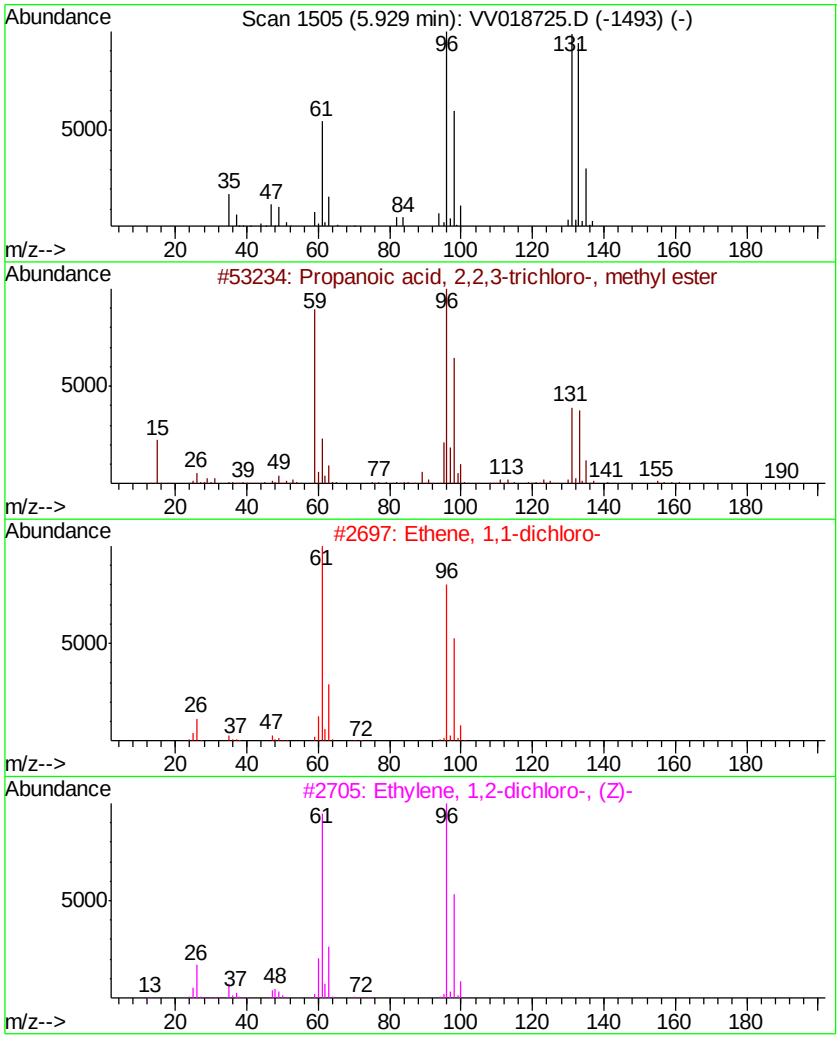
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

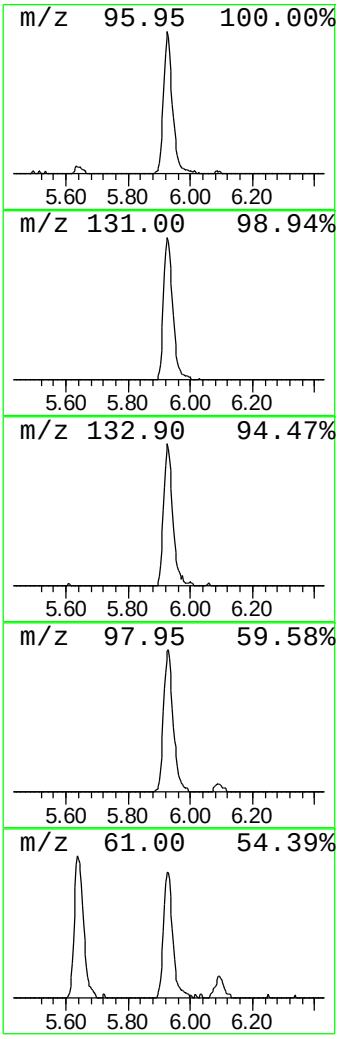
**********

Peak Number 1 Propanoic acid, 2,2,3-trich... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.93 | 7.21 ug/L | 96717 | 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 | 50 |
| 2 | Ethene, 1,1-dichloro- | 96 | C2H2Cl2 | 000075-35-4 | 41 |
| 3 | Ethylene, 1,2-dichloro-, (Z)- | 96 | C2H2Cl2 | 000156-59-2 | 38 |
| 4 | 1,2-Dichloroethylene | 96 | C2H2Cl2 | 000540-59-0 | 35 |
| 5 | Chloromethylmethyl sulfide | 96 | C2H5ClS | 002373-51-5 | 35 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100720\
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**Instrument :** MSVOA_V
**ClientSampleId :** BG3W7

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 |
| Propanoic acid, 2... | 5.93 | 7.2 | ug/L | 96717 | 1 | 5.64 | 670670 | 50.0 |