LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072020\
Data File : VV017546.D
Acq On : 20 Jul 2020 15:50
Operator : SY/MD
Sample : L3314-04
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** F4C27

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\SOMVLM072020WMA.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 | 62 | 70 | 81 | rVB | 128975 | 145616 | 16.07% | 1.829% |
| 2 | 1.576 | 145 | 151 | 161 | rBV | 100966 | 109450 | 12.08% | 1.375% |
| 3 | 2.122 | 312 | 321 | 334 | rBV2 | 274895 | 437419 | 48.26% | 5.494% |
| 4 | 2.450 | 421 | 423 | 425 | rBV | 849 | 345 | 0.04% | 0.004% |
| 5 | 2.518 | 437 | 444 | 445 | rBV5 | 1461 | 1206 | 0.13% | 0.015% |
| 6 | 2.765 | 518 | 521 | 522 | rBV3 | 1242 | 749 | 0.08% | 0.009% |
| 7 | 2.949 | 575 | 578 | 581 | rBV3 | 946 | 649 | 0.07% | 0.008% |
| 8 | 3.000 | 590 | 594 | 597 | rVB | 750 | 419 | 0.05% | 0.005% |
| 9 | 3.039 | 603 | 606 | 609 | rVB2 | 656 | 376 | 0.04% | 0.005% |
| 10 | 3.061 | 610 | 613 | 619 | rVB3 | 669 | 652 | 0.07% | 0.008% |
| 11 | 3.116 | 627 | 630 | 633 | rBV3 | 690 | 406 | 0.04% | 0.005% |
| 12 | 3.212 | 651 | 660 | 671 | rBV2 | 4027 | 8084 | 0.89% | 0.102% |
| 13 | 3.273 | 677 | 679 | 683 | rVV3 | 753 | 470 | 0.05% | 0.006% |
| 14 | 3.338 | 697 | 699 | 703 | rBV2 | 816 | 392 | 0.04% | 0.005% |
| 15 | 3.373 | 707 | 710 | 714 | rBV3 | 597 | 501 | 0.06% | 0.006% |
| 16 | 3.450 | 732 | 734 | 739 | rVB3 | 1054 | 595 | 0.07% | 0.007% |
| 17 | 3.534 | 756 | 760 | 762 | rBV2 | 735 | 508 | 0.06% | 0.006% |
| 18 | 3.595 | 777 | 779 | 782 | rBV3 | 803 | 471 | 0.05% | 0.006% |
| 19 | 3.627 | 787 | 789 | 792 | rBV | 554 | 326 | 0.04% | 0.004% |
| 20 | 3.656 | 792 | 798 | 801 | rVB3 | 623 | 604 | 0.07% | 0.008% |
| 21 | 3.730 | 815 | 821 | 823 | rBV5 | 840 | 858 | 0.09% | 0.011% |
| 22 | 3.907 | 865 | 876 | 898 | rBV | 63286 | 170074 | 18.77% | 2.136% |
| 23 | 4.093 | 932 | 934 | 937 | rBV3 | 813 | 450 | 0.05% | 0.006% |
| 24 | 4.376 | 1004 | 1022 | 1045 | rBV2 | 159621 | 395854 | 43.68% | 4.972% |
| 25 | 4.527 | 1067 | 1069 | 1071 | rBV | 797 | 494 | 0.05% | 0.006% |
| 26 | 4.662 | 1109 | 1111 | 1117 | rVB6 | 871 | 687 | 0.08% | 0.009% |
| 27 | 4.695 | 1117 | 1121 | 1122 | rBV | 575 | 324 | 0.04% | 0.004% |
| 28 | 4.762 | 1139 | 1142 | 1147 | rVB4 | 636 | 482 | 0.05% | 0.006% |
| 29 | 4.801 | 1152 | 1154 | 1156 | rVB2 | 749 | 304 | 0.03% | 0.004% |
| 30 | 4.891 | 1180 | 1182 | 1185 | rVB | 963 | 466 | 0.05% | 0.006% |
| 31 | 4.913 | 1185 | 1189 | 1191 | rBV2 | 396 | 314 | 0.03% | 0.004% |
| 32 | 4.994 | 1211 | 1214 | 1218 | rVB3 | 756 | 426 | 0.05% | 0.005% |
| 33 | 5.071 | 1221 | 1238 | 1265 | rBV2 | 348390 | 906291 | 100.00% | 11.384% |
| 34 | 5.447 | 1353 | 1355 | 1360 | rVB2 | 1108 | 714 | 0.08% | 0.009% |

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Sample : L3314-04
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** F4C27

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\SOMVLM072020WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 5.511 | 1371 | 1375 | 1378 | rBV4 | 1185 | 831 | 0.09% | 0.010% |
| 36 | 5.640 | 1399 | 1415 | 1442 | rVV | 335041 | 670523 | 73.99% | 8.423% |
| 37 | 5.871 | 1485 | 1487 | 1493 | rBV6 | 734 | 656 | 0.07% | 0.008% |
| 38 | 5.945 | 1498 | 1510 | 1526 | rVB7 | 16212 | 37203 | 4.10% | 0.467% |
| 39 | 6.093 | 1543 | 1556 | 1585 | rBV | 203957 | 411040 | 45.35% | 5.163% |
| 40 | 6.347 | 1631 | 1635 | 1638 | rVB3 | 950 | 664 | 0.07% | 0.008% |
| 41 | 6.370 | 1638 | 1642 | 1643 | rBV3 | 636 | 463 | 0.05% | 0.006% |
| 42 | 6.402 | 1650 | 1652 | 1653 | rBV | 1452 | 570 | 0.06% | 0.007% |
| 43 | 6.598 | 1703 | 1713 | 1728 | rBV2 | 23594 | 47509 | 5.24% | 0.597% |
| 44 | 6.752 | 1756 | 1761 | 1762 | rBV2 | 736 | 677 | 0.07% | 0.009% |
| 45 | 7.010 | 1829 | 1841 | 1860 | rVV | 124188 | 223974 | 24.71% | 2.813% |
| 46 | 7.225 | 1906 | 1908 | 1914 | rVB5 | 894 | 670 | 0.07% | 0.008% |
| 47 | 7.338 | 1931 | 1943 | 1963 | rBV | 416258 | 715119 | 78.91% | 8.983% |
| 48 | 7.569 | 2014 | 2015 | 2018 | rBV2 | 795 | 350 | 0.04% | 0.004% |
| 49 | 7.643 | 2028 | 2038 | 2060 | rBV | 90621 | 157985 | 17.43% | 1.984% |
| 50 | 7.772 | 2076 | 2078 | 2081 | rBV3 | 1248 | 613 | 0.07% | 0.008% |
| 51 | 7.942 | 2128 | 2131 | 2132 | rBV | 1519 | 931 | 0.10% | 0.012% |
| 52 | 8.055 | 2164 | 2166 | 2169 | rBV4 | 1192 | 698 | 0.08% | 0.009% |
| 53 | 8.106 | 2173 | 2182 | 2203 | rVV | 306142 | 486794 | 53.71% | 6.115% |
| 54 | 8.431 | 2279 | 2283 | 2286 | rBV4 | 1378 | 1335 | 0.15% | 0.017% |
| 55 | 8.633 | 2344 | 2346 | 2349 | rVB2 | 661 | 408 | 0.05% | 0.005% |
| 56 | 8.656 | 2349 | 2353 | 2354 | rBV3 | 2052 | 1425 | 0.16% | 0.018% |
| 57 | 8.720 | 2369 | 2373 | 2374 | rBV3 | 821 | 592 | 0.07% | 0.007% |
| 58 | 8.871 | 2409 | 2420 | 2439 | rVV | 518565 | 846646 | 93.42% | 10.635% |
| 59 | 9.029 | 2467 | 2469 | 2470 | rBV3 | 972 | 360 | 0.04% | 0.005% |
| 60 | 9.109 | 2492 | 2494 | 2498 | rBV3 | 762 | 546 | 0.06% | 0.007% |
| 61 | 9.167 | 2509 | 2512 | 2513 | rBV2 | 1027 | 602 | 0.07% | 0.008% |
| 62 | 9.241 | 2529 | 2535 | 2536 | rBV3 | 882 | 827 | 0.09% | 0.010% |
| 63 | 9.289 | 2541 | 2550 | 2556 | rBV7 | 3055 | 5171 | 0.57% | 0.065% |
| 64 | 9.495 | 2611 | 2614 | 2618 | rBV2 | 692 | 620 | 0.07% | 0.008% |
| 65 | 9.575 | 2635 | 2639 | 2645 | rVB6 | 1442 | 1385 | 0.15% | 0.017% |
| 66 | 9.601 | 2645 | 2647 | 2648 | rBV | 814 | 408 | 0.05% | 0.005% |
| 67 | 9.707 | 2678 | 2680 | 2684 | rVV3 | 712 | 447 | 0.05% | 0.006% |
| 68 | 9.727 | 2684 | 2686 | 2690 | rVB2 | 752 | 373 | 0.04% | 0.005% |
| 69 | 9.765 | 2696 | 2698 | 2704 | rVB2 | 1027 | 574 | 0.06% | 0.007% |
| 70 | 9.810 | 2710 | 2712 | 2717 | rBV2 | 672 | 507 | 0.06% | 0.006% |
| 71 | 10.119 | 2804 | 2808 | 2811 | rBV3 | 1642 | 1335 | 0.15% | 0.017% |

LSC Area Percent Report

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Sample : L3314-04
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** F4C27

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\SOMVLM072020WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 10.183 | 2824 | 2828 | 2832 | rBV6 | 545 | 574 | 0.06% | 0.007% |
| 73 | 10.238 | 2832 | 2845 | 2859 | rBV | 284521 | 449793 | 49.63% | 5.650% |
| 74 | 10.360 | 2881 | 2883 | 2885 | rVB2 | 737 | 323 | 0.04% | 0.004% |
| 75 | 10.508 | 2927 | 2929 | 2932 | rVB2 | 858 | 342 | 0.04% | 0.004% |
| 76 | 10.566 | 2944 | 2947 | 2950 | rVB3 | 996 | 660 | 0.07% | 0.008% |
| 77 | 10.588 | 2950 | 2954 | 2955 | rBV | 1195 | 690 | 0.08% | 0.009% |
| 78 | 10.698 | 2986 | 2988 | 2993 | rBV3 | 543 | 461 | 0.05% | 0.006% |
| 79 | 10.762 | 2999 | 3008 | 3017 | rBV2 | 11694 | 18263 | 2.02% | 0.229% |
| 80 | 10.874 | 3039 | 3043 | 3046 | rBV4 | 1155 | 1057 | 0.12% | 0.013% |
| 81 | 10.903 | 3050 | 3052 | 3056 | rVV3 | 834 | 587 | 0.06% | 0.007% |
| 82 | 11.013 | 3083 | 3086 | 3089 | rVV2 | 1023 | 550 | 0.06% | 0.007% |
| 83 | 11.029 | 3089 | 3091 | 3094 | rVV4 | 649 | 336 | 0.04% | 0.004% |
| 84 | 11.061 | 3097 | 3101 | 3105 | rVB4 | 1187 | 828 | 0.09% | 0.010% |
| 85 | 11.080 | 3105 | 3107 | 3112 | rBV2 | 726 | 563 | 0.06% | 0.007% |
| 86 | 11.109 | 3112 | 3116 | 3118 | rVB2 | 531 | 339 | 0.04% | 0.004% |
| 87 | 11.270 | 3154 | 3166 | 3181 | rBV | 558614 | 864975 | 95.44% | 10.865% |
| 88 | 11.646 | 3272 | 3283 | 3302 | rBV | 511302 | 803007 | 88.60% | 10.087% |
| 89 | 12.212 | 3457 | 3459 | 3462 | rBV2 | 1005 | 771 | 0.09% | 0.010% |
| 90 | 12.492 | 3544 | 3546 | 3550 | rBV2 | 998 | 912 | 0.10% | 0.011% |
| 91 | 12.752 | 3624 | 3627 | 3628 | rBV3 | 648 | 326 | 0.04% | 0.004% |
| 92 | 12.807 | 3639 | 3644 | 3646 | rBV4 | 851 | 731 | 0.08% | 0.009% |
| 93 | 13.054 | 3718 | 3721 | 3724 | rBV2 | 1002 | 642 | 0.07% | 0.008% |
| 94 | 13.183 | 3757 | 3761 | 3765 | rBV5 | 1565 | 1419 | 0.16% | 0.018% |
| 95 | 13.353 | 3812 | 3814 | 3817 | rBV2 | 667 | 410 | 0.05% | 0.005% |
| 96 | 13.533 | 3866 | 3870 | 3879 | rVB10 | 1930 | 2336 | 0.26% | 0.029% |
| 97 | 13.688 | 3916 | 3918 | 3919 | rBV | 872 | 344 | 0.04% | 0.004% |
| 98 | 14.064 | 4031 | 4035 | 4037 | rBV3 | 1289 | 1007 | 0.11% | 0.013% |
| 99 | 15.013 | 4327 | 4330 | 4332 | rBV2 | 941 | 568 | 0.06% | 0.007% |
| 100 | 15.058 | 4342 | 4344 | 4347 | rBV3 | 827 | 426 | 0.05% | 0.005% |

Sum of corrected areas: 7961047

LSC Report - Integrated Chromatogram

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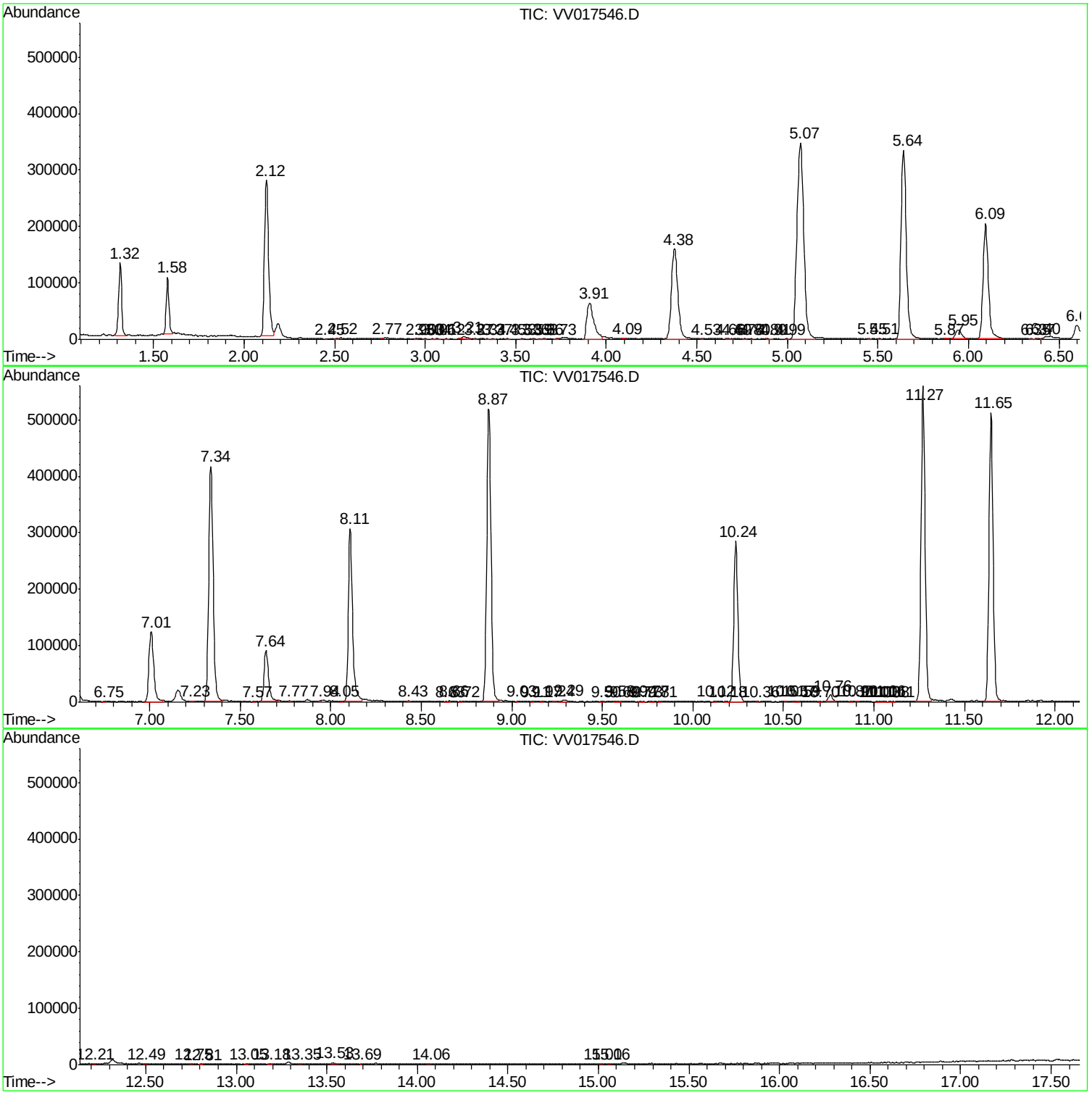
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** F4C27

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072020WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072020\
Data File : VV017546.D
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Misc : 5.0mL/MSVOA_V/WATER
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**Instrument :** MSVOA_V
**ClientSampleId :** F4C27

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072020WMA.M
Quant Title : VOC Analysis

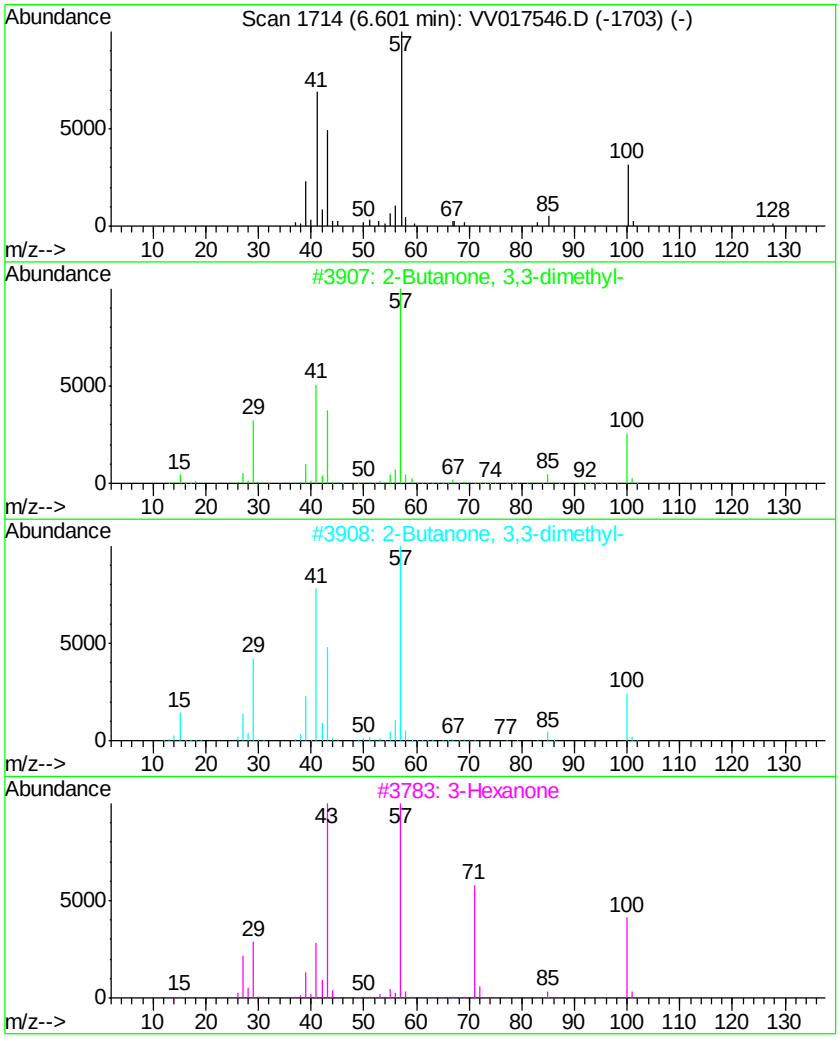
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

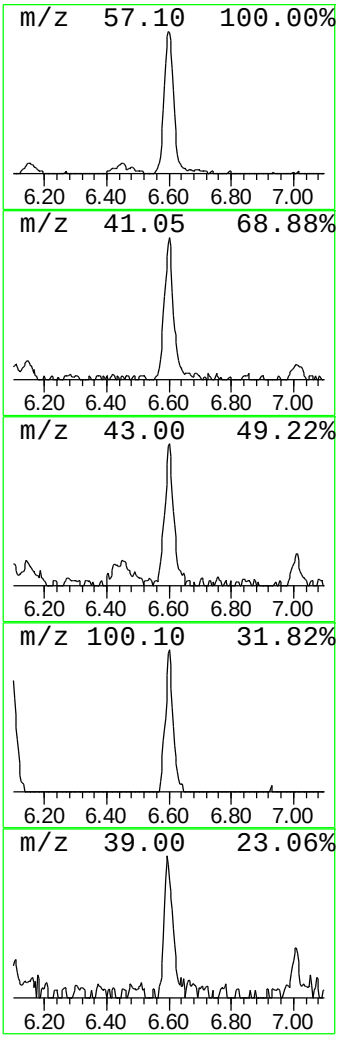
**********

Peak Number 1 2-Butanone, 3,3-dimethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.60 | 3.54 ug/L | 47509 | 1,4-Difluorobenzene | 5.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Butanone, 3,3-dimethyl- | 100 | C6H12O | 000075-97-8 | 80 |
| 2 | 2-Butanone, 3,3-dimethyl- | 100 | C6H12O | 000075-97-8 | 72 |
| 3 | 3-Hexanone | 100 | C6H12O | 000589-38-8 | 64 |
| 4 | 3-Pentanone, 2-methyl- | 100 | C6H12O | 000565-69-5 | 53 |
| 5 | 2-Butanone, 3,3-dimethyl- | 100 | C6H12O | 000075-97-8 | 50 |



Tentatively Identified Compound (LSC) summary

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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 |
| 2-Butanone, 3,3-d... | 6.60 | 3.5 | ug/L | 47509 | 1 | 5.64 | 670523 | 50.0 |