LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071720\
Data File : VV017522.D
Acq On : 17 Jul 2020 13:58
Operator : SY/MD
Sample : L3314-04
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 12 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\SOMVLM070820WMA.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 | 61 | 70 | 84 | rVB2 | 131194 | 164639 | 18.22% | 2.101% |
| 2 | 1.579 | 146 | 152 | 161 | rVB | 109108 | 118385 | 13.10% | 1.511% |
| 3 | 2.122 | 312 | 321 | 335 | rBV2 | 298382 | 479048 | 53.02% | 6.114% |
| 4 | 2.524 | 442 | 446 | 447 | rBV3 | 1646 | 1114 | 0.12% | 0.014% |
| 5 | 2.872 | 552 | 554 | 557 | rVV2 | 1188 | 586 | 0.06% | 0.007% |
| 6 | 2.936 | 571 | 574 | 576 | rVB2 | 822 | 446 | 0.05% | 0.006% |
| 7 | 2.958 | 576 | 581 | 584 | rBV3 | 1154 | 888 | 0.10% | 0.011% |
| 8 | 3.077 | 617 | 618 | 624 | rVB2 | 544 | 488 | 0.05% | 0.006% |
| 9 | 3.116 | 624 | 630 | 631 | rBV4 | 816 | 748 | 0.08% | 0.010% |
| 10 | 3.174 | 644 | 648 | 650 | rBV2 | 807 | 602 | 0.07% | 0.008% |
| 11 | 3.212 | 652 | 660 | 672 | rVB3 | 5366 | 9455 | 1.05% | 0.121% |
| 12 | 3.344 | 697 | 701 | 706 | rVB3 | 696 | 557 | 0.06% | 0.007% |
| 13 | 3.396 | 715 | 717 | 721 | rVB3 | 741 | 433 | 0.05% | 0.006% |
| 14 | 3.669 | 797 | 802 | 804 | rBV3 | 590 | 531 | 0.06% | 0.007% |
| 15 | 3.759 | 821 | 830 | 832 | rBV4 | 2715 | 3318 | 0.37% | 0.042% |
| 16 | 3.910 | 862 | 877 | 910 | rBV2 | 59294 | 176025 | 19.48% | 2.246% |
| 17 | 4.376 | 1005 | 1022 | 1045 | rBV | 158377 | 398134 | 44.06% | 5.081% |
| 18 | 4.563 | 1078 | 1080 | 1084 | rVB | 688 | 460 | 0.05% | 0.006% |
| 19 | 4.637 | 1099 | 1103 | 1105 | rBV4 | 750 | 469 | 0.05% | 0.006% |
| 20 | 4.653 | 1106 | 1108 | 1112 | rVV3 | 642 | 451 | 0.05% | 0.006% |
| 21 | 4.711 | 1121 | 1126 | 1132 | rVB6 | 1009 | 1183 | 0.13% | 0.015% |
| 22 | 4.817 | 1156 | 1159 | 1162 | rBV3 | 872 | 657 | 0.07% | 0.008% |
| 23 | 5.071 | 1221 | 1238 | 1263 | rBV2 | 353028 | 903562 | 100.00% | 11.531% |
| 24 | 5.540 | 1381 | 1384 | 1387 | rBV2 | 850 | 513 | 0.06% | 0.007% |
| 25 | 5.582 | 1395 | 1397 | 1400 | rBV2 | 845 | 551 | 0.06% | 0.007% |
| 26 | 5.640 | 1403 | 1415 | 1437 | rBV | 349177 | 693689 | 76.77% | 8.853% |
| 27 | 5.878 | 1487 | 1489 | 1492 | rBV3 | 958 | 479 | 0.05% | 0.006% |
| 28 | 5.945 | 1499 | 1510 | 1523 | rVB5 | 19522 | 38479 | 4.26% | 0.491% |
| 29 | 6.093 | 1539 | 1556 | 1584 | rBV | 198669 | 413769 | 45.79% | 5.280% |
| 30 | 6.277 | 1611 | 1613 | 1615 | rBV2 | 638 | 434 | 0.05% | 0.006% |
| 31 | 6.312 | 1622 | 1624 | 1628 | rBV3 | 646 | 443 | 0.05% | 0.006% |
| 32 | 6.370 | 1639 | 1642 | 1644 | rBV3 | 716 | 494 | 0.05% | 0.006% |
| 33 | 6.441 | 1657 | 1664 | 1668 | rBV8 | 3499 | 5350 | 0.59% | 0.068% |
| 34 | 6.598 | 1703 | 1713 | 1726 | rBV3 | 20724 | 40170 | 4.45% | 0.513% |

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Operator : SY/MD
Sample : L3314-04
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 12 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\SOMVLM070820WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 6.727 | 1751 | 1753 | 1758 | rBV2 | 1173 | 929 | 0.10% | 0.012% |
| 36 | 7.007 | 1829 | 1840 | 1863 | rVV | 117609 | 215245 | 23.82% | 2.747% |
| 37 | 7.158 | 1876 | 1887 | 1899 | rBV4 | 19563 | 38766 | 4.29% | 0.495% |
| 38 | 7.338 | 1931 | 1943 | 1967 | rBV | 423034 | 728732 | 80.65% | 9.300% |
| 39 | 7.521 | 1997 | 2000 | 2002 | rBV4 | 831 | 598 | 0.07% | 0.008% |
| 40 | 7.643 | 2028 | 2038 | 2057 | rVV | 86695 | 152879 | 16.92% | 1.951% |
| 41 | 7.801 | 2085 | 2087 | 2091 | rVV2 | 716 | 453 | 0.05% | 0.006% |
| 42 | 7.865 | 2102 | 2107 | 2116 | rVB9 | 2419 | 3918 | 0.43% | 0.050% |
| 43 | 7.913 | 2119 | 2122 | 2126 | rVB3 | 665 | 468 | 0.05% | 0.006% |
| 44 | 7.939 | 2126 | 2130 | 2132 | rBV3 | 766 | 663 | 0.07% | 0.008% |
| 45 | 8.051 | 2161 | 2165 | 2168 | rBV2 | 907 | 754 | 0.08% | 0.010% |
| 46 | 8.106 | 2170 | 2182 | 2203 | rBV | 229331 | 396101 | 43.84% | 5.055% |
| 47 | 8.431 | 2281 | 2283 | 2285 | rBV2 | 810 | 364 | 0.04% | 0.005% |
| 48 | 8.476 | 2293 | 2297 | 2302 | rBV6 | 1121 | 965 | 0.11% | 0.012% |
| 49 | 8.707 | 2366 | 2369 | 2374 | rVB3 | 507 | 437 | 0.05% | 0.006% |
| 50 | 8.736 | 2374 | 2378 | 2379 | rBV | 766 | 400 | 0.04% | 0.005% |
| 51 | 8.871 | 2409 | 2420 | 2442 | rBV | 512290 | 838810 | 92.83% | 10.705% |
| 52 | 9.074 | 2478 | 2483 | 2484 | rBV3 | 670 | 447 | 0.05% | 0.006% |
| 53 | 9.138 | 2500 | 2503 | 2506 | rBV3 | 1118 | 710 | 0.08% | 0.009% |
| 54 | 9.170 | 2509 | 2513 | 2515 | rBV3 | 742 | 545 | 0.06% | 0.007% |
| 55 | 9.360 | 2569 | 2572 | 2576 | rBV4 | 756 | 794 | 0.09% | 0.010% |
| 56 | 9.402 | 2583 | 2585 | 2587 | rBV2 | 840 | 362 | 0.04% | 0.005% |
| 57 | 9.486 | 2606 | 2611 | 2613 | rBV | 795 | 580 | 0.06% | 0.007% |
| 58 | 9.521 | 2618 | 2622 | 2625 | rVV3 | 587 | 483 | 0.05% | 0.006% |
| 59 | 9.540 | 2625 | 2628 | 2630 | rVB2 | 706 | 374 | 0.04% | 0.005% |
| 60 | 9.579 | 2638 | 2640 | 2643 | rBV3 | 923 | 552 | 0.06% | 0.007% |
| 61 | 9.598 | 2643 | 2646 | 2650 | rBV3 | 676 | 543 | 0.06% | 0.007% |
| 62 | 9.656 | 2662 | 2664 | 2669 | rVB3 | 839 | 748 | 0.08% | 0.010% |
| 63 | 9.685 | 2669 | 2673 | 2676 | rBV2 | 1402 | 874 | 0.10% | 0.011% |
| 64 | 9.723 | 2681 | 2685 | 2688 | rBV | 461 | 437 | 0.05% | 0.006% |
| 65 | 9.740 | 2688 | 2690 | 2695 | rVB2 | 691 | 464 | 0.05% | 0.006% |
| 66 | 9.907 | 2739 | 2742 | 2743 | rBV2 | 1160 | 635 | 0.07% | 0.008% |
| 67 | 9.958 | 2756 | 2758 | 2762 | rBV2 | 614 | 391 | 0.04% | 0.005% |
| 68 | 10.048 | 2782 | 2786 | 2790 | rBV3 | 1323 | 1262 | 0.14% | 0.016% |
| 69 | 10.238 | 2833 | 2845 | 2860 | rVV | 283490 | 440962 | 48.80% | 5.627% |
| 70 | 10.392 | 2890 | 2893 | 2895 | rBV2 | 514 | 361 | 0.04% | 0.005% |
| 71 | 10.666 | 2975 | 2978 | 2980 | rBV | 615 | 389 | 0.04% | 0.005% |

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071720\
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Acq On : 17 Jul 2020 13:58
Operator : SY/MD
Sample : L3314-04
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 12 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\SOMVLM070820WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 10.759 | 3001 | 3007 | 3023 | rVB3 | 10851 | 17574 | 1.94% | 0.224% |
| 73 | 10.965 | 3067 | 3071 | 3073 | rBV4 | 1164 | 949 | 0.11% | 0.012% |
| 74 | 11.270 | 3155 | 3166 | 3181 | rBV | 524724 | 797848 | 88.30% | 10.182% |
| 75 | 11.428 | 3207 | 3215 | 3221 | rBV6 | 2771 | 3394 | 0.38% | 0.043% |
| 76 | 11.521 | 3241 | 3244 | 3247 | rBV3 | 553 | 478 | 0.05% | 0.006% |
| 77 | 11.646 | 3269 | 3283 | 3302 | rBV | 452356 | 706730 | 78.22% | 9.019% |
| 78 | 11.936 | 3371 | 3373 | 3377 | rVB2 | 789 | 463 | 0.05% | 0.006% |
| 79 | 11.958 | 3378 | 3380 | 3385 | rVB3 | 689 | 430 | 0.05% | 0.005% |
| 80 | 12.083 | 3413 | 3419 | 3423 | rBV4 | 982 | 845 | 0.09% | 0.011% |
| 81 | 12.145 | 3436 | 3438 | 3443 | rVB3 | 1047 | 701 | 0.08% | 0.009% |
| 82 | 12.318 | 3486 | 3492 | 3505 | rVB7 | 5060 | 8208 | 0.91% | 0.105% |
| 83 | 12.530 | 3556 | 3558 | 3562 | rVB2 | 824 | 486 | 0.05% | 0.006% |
| 84 | 12.553 | 3562 | 3565 | 3567 | rBV2 | 709 | 415 | 0.05% | 0.005% |
| 85 | 12.665 | 3595 | 3600 | 3602 | rBV3 | 821 | 773 | 0.09% | 0.010% |
| 86 | 12.829 | 3646 | 3651 | 3652 | rBV2 | 668 | 482 | 0.05% | 0.006% |
| 87 | 12.919 | 3676 | 3679 | 3683 | rBV4 | 1072 | 576 | 0.06% | 0.007% |
| 88 | 13.228 | 3770 | 3775 | 3776 | rBV3 | 717 | 544 | 0.06% | 0.007% |
| 89 | 13.302 | 3792 | 3798 | 3799 | rBV4 | 428 | 525 | 0.06% | 0.007% |
| 90 | 13.363 | 3814 | 3817 | 3819 | rBV2 | 1122 | 635 | 0.07% | 0.008% |
| 91 | 13.463 | 3846 | 3848 | 3851 | rBV2 | 931 | 586 | 0.06% | 0.007% |
| 92 | 13.485 | 3853 | 3855 | 3858 | rVB3 | 1013 | 477 | 0.05% | 0.006% |
| 93 | 13.572 | 3880 | 3882 | 3885 | rVB | 915 | 477 | 0.05% | 0.006% |
| 94 | 13.591 | 3885 | 3888 | 3889 | rBV3 | 777 | 369 | 0.04% | 0.005% |
| 95 | 13.974 | 4004 | 4007 | 4008 | rBV2 | 757 | 475 | 0.05% | 0.006% |
| 96 | 14.215 | 4079 | 4082 | 4083 | rBV2 | 758 | 363 | 0.04% | 0.005% |
| 97 | 14.405 | 4138 | 4141 | 4146 | rBV5 | 660 | 834 | 0.09% | 0.011% |
| 98 | 14.678 | 4224 | 4226 | 4227 | rBV | 718 | 372 | 0.04% | 0.005% |
| 99 | 14.929 | 4302 | 4304 | 4307 | rBV2 | 848 | 420 | 0.05% | 0.005% |
| 100 | 14.980 | 4318 | 4320 | 4322 | rBV2 | 827 | 504 | 0.06% | 0.006% |

Sum of corrected areas: 7835878

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071720\
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Acq On : 17 Jul 2020 13:58
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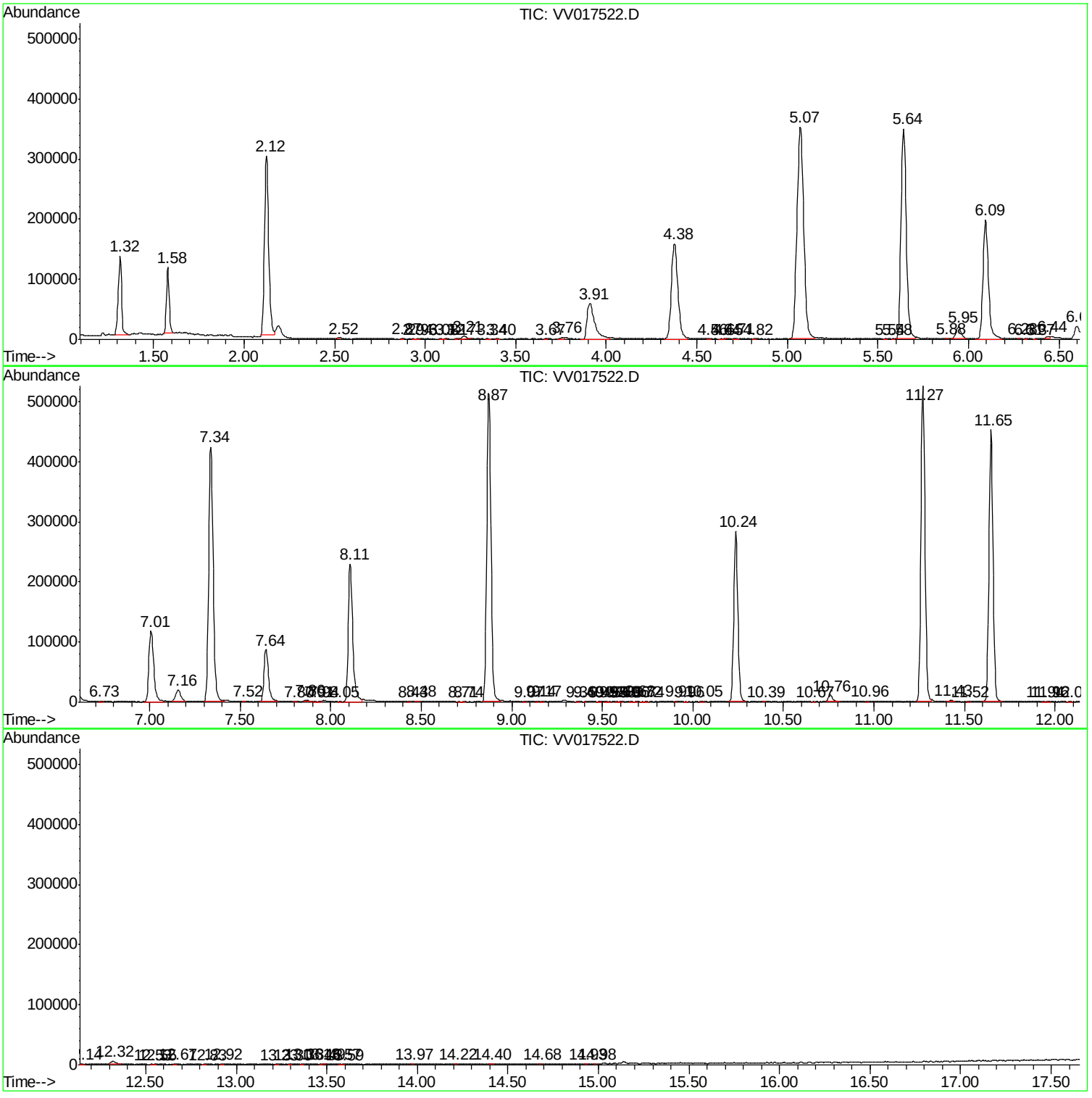
Sample : L3314-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.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\VV071720\
Data File : VV017522.D
Acq On : 17 Jul 2020 13:58
Operator : SY/MD
Sample : L3314-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
Quant Title : VOC Analysis

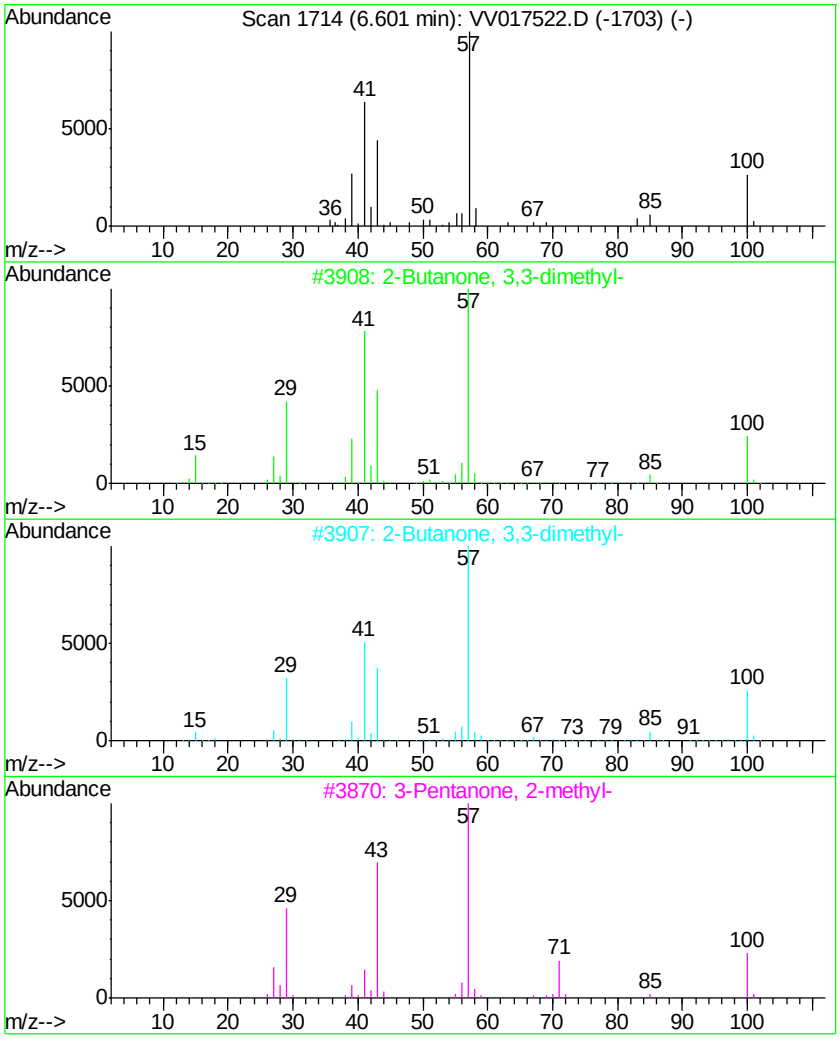
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

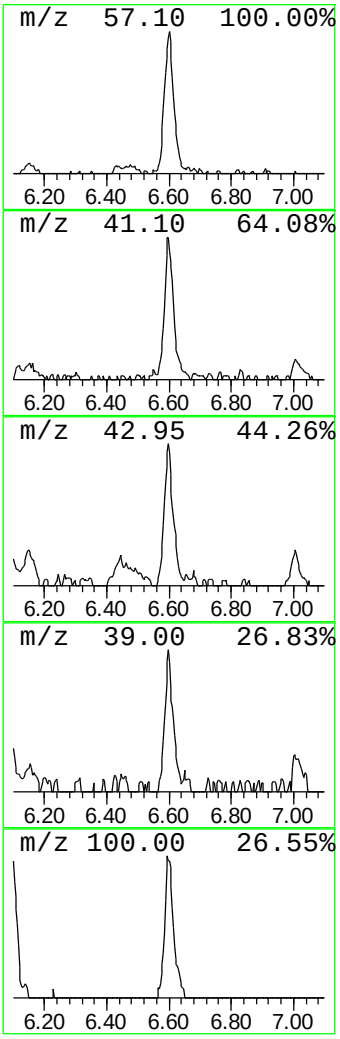
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.60 | 2.90 ug/L | 40170 | 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 | 91 |
| 2 | 2-Butanone, 3,3-dimethyl- | 100 | C6H12O | 000075-97-8 | 87 |
| 3 | 3-Pentanone, 2-methyl- | 100 | C6H12O | 000565-69-5 | 50 |
| 4 | 3-Pentanone, 2-methyl- | 100 | C6H12O | 000565-69-5 | 49 |
| 5 | 2-Butanone, 3,3-dimethyl- | 100 | C6H12O | 000075-97-8 | 47 |



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071720\
Data File : VV017522.D
Acq On : 17 Jul 2020 13:58
Operator : SY/MD
Sample : L3314-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
Quant Title : VOC Analysis

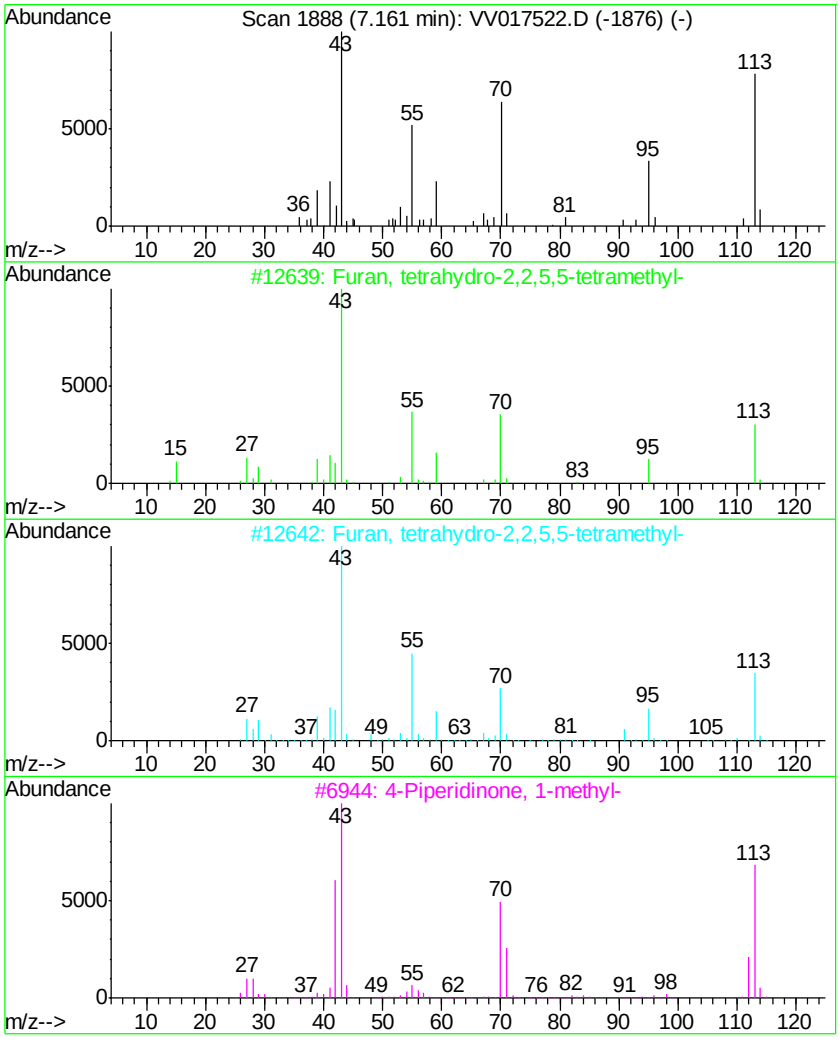
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

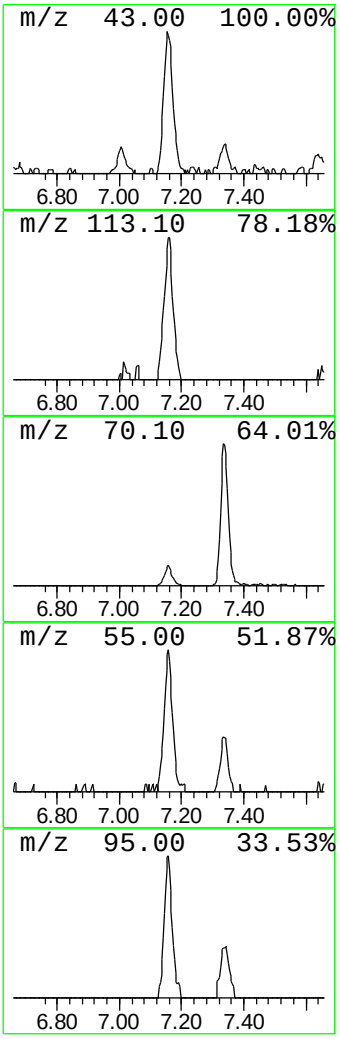
**********

Peak Number 3 Furan, tetrahydro-2,2,5,5-t... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.16 | 2.79 ug/L | 38766 | 1,4-Difluorobenzene | 5.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Furan, tetrahydro-2,2,5,5-tetram... | 128 | C8H16O | 015045-43-9 | 78 |
| 2 | Furan, tetrahydro-2,2,5,5-tetram... | 128 | C8H16O | 015045-43-9 | 64 |
| 3 | 4-Piperidinone, 1-methyl- | 113 | C6H11NO | 001445-73-4 | 53 |
| 4 | Cyclohexanol, 4-methyl-1-(1-meth... | 156 | C10H20O | 000470-65-5 | 50 |
| 5 | Ethosuximide | 141 | C7H11NO2 | 000077-67-8 | 47 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071720\
Data File : VV017522.D
Acq On : 17 Jul 2020 13:58
Operator : SY/MD
Sample : L3314-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.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 |
| 2-Butanone, 3,3-d... | 6.60 | 2.9 | ug/L | 40170 | 1 | 5.64 | 693689 | 50.0 |
| Furan, tetrahydro... | 7.16 | 2.8 | ug/L | 38766 | 1 | 5.64 | 693689 | 50.0 |