LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
Data File : VU037622.D
Acq On : 09 Apr 2020 16:52
Operator : JC/MD
Sample : L1885-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0ET7

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_U\METHOD\SOMULM040920WMA.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 | 1.614 | 77 | 85 | 95 | rBV | 319238 | 341278 | 15.09% | 1.848% |
| 2 | 1.929 | 175 | 183 | 194 | rVB | 254873 | 325153 | 14.38% | 1.761% |
| 3 | 2.591 | 378 | 389 | 403 | rBV | 453567 | 739978 | 32.73% | 4.007% |
| 4 | 2.787 | 439 | 450 | 466 | rBV | 60919 | 112688 | 4.98% | 0.610% |
| 5 | 3.067 | 534 | 537 | 539 | rBV4 | 738 | 538 | 0.02% | 0.003% |
| 6 | 3.221 | 576 | 585 | 597 | rVB5 | 5703 | 11829 | 0.52% | 0.064% |
| 7 | 3.347 | 621 | 624 | 627 | rVB3 | 1149 | 891 | 0.04% | 0.005% |
| 8 | 3.369 | 627 | 631 | 633 | rBV3 | 1198 | 1106 | 0.05% | 0.006% |
| 9 | 3.446 | 650 | 655 | 658 | rBV4 | 823 | 720 | 0.03% | 0.004% |
| 10 | 3.527 | 676 | 680 | 683 | rBV4 | 1146 | 896 | 0.04% | 0.005% |
| 11 | 3.584 | 693 | 698 | 699 | rBV3 | 704 | 504 | 0.02% | 0.003% |
| 12 | 3.732 | 737 | 744 | 750 | rBV9 | 835 | 943 | 0.04% | 0.005% |
| 13 | 3.851 | 778 | 781 | 783 | rBV3 | 766 | 559 | 0.02% | 0.003% |
| 14 | 4.070 | 843 | 849 | 853 | rBV5 | 749 | 678 | 0.03% | 0.004% |
| 15 | 4.208 | 883 | 892 | 896 | rBV6 | 1028 | 1489 | 0.07% | 0.008% |
| 16 | 4.321 | 923 | 927 | 931 | rVB5 | 588 | 494 | 0.02% | 0.003% |
| 17 | 4.417 | 955 | 957 | 960 | rBV3 | 688 | 522 | 0.02% | 0.003% |
| 18 | 4.465 | 969 | 972 | 979 | rBV4 | 631 | 659 | 0.03% | 0.004% |
| 19 | 4.552 | 995 | 999 | 1001 | rBV2 | 683 | 512 | 0.02% | 0.003% |
| 20 | 4.581 | 1004 | 1008 | 1010 | rBV4 | 797 | 616 | 0.03% | 0.003% |
| 21 | 4.665 | 1016 | 1034 | 1059 | rBV | 272658 | 638300 | 28.23% | 3.457% |
| 22 | 4.848 | 1081 | 1091 | 1106 | rVB3 | 7279 | 16119 | 0.71% | 0.087% |
| 23 | 5.009 | 1137 | 1141 | 1144 | rVV5 | 618 | 603 | 0.03% | 0.003% |
| 24 | 5.102 | 1153 | 1170 | 1192 | rBV | 383555 | 846733 | 37.45% | 4.585% |
| 25 | 5.363 | 1249 | 1251 | 1257 | rVB6 | 1090 | 930 | 0.04% | 0.005% |
| 26 | 5.408 | 1261 | 1265 | 1268 | rBV4 | 864 | 667 | 0.03% | 0.004% |
| 27 | 5.501 | 1290 | 1294 | 1303 | rVB6 | 838 | 1012 | 0.04% | 0.005% |
| 28 | 5.761 | 1350 | 1375 | 1399 | rBV2 | 861824 | 2260881 | 100.00% | 12.244% |
| 29 | 6.064 | 1460 | 1469 | 1471 | rBV6 | 1373 | 1867 | 0.08% | 0.010% |
| 30 | 6.080 | 1471 | 1474 | 1477 | rVB4 | 1029 | 695 | 0.03% | 0.004% |
| 31 | 6.147 | 1491 | 1495 | 1500 | rVV6 | 1033 | 1119 | 0.05% | 0.006% |
| 32 | 6.282 | 1521 | 1537 | 1556 | rBV | 767176 | 1436502 | 63.54% | 7.779% |
| 33 | 6.552 | 1609 | 1621 | 1636 | rBV5 | 10995 | 25128 | 1.11% | 0.136% |
| 34 | 6.723 | 1658 | 1674 | 1694 | rBV | 534898 | 1041699 | 46.07% | 5.641% |

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Sample : L1885-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0ET7

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_U\METHOD\SOMULM040920WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 6.973 | 1746 | 1752 | 1757 | rVB6 | 863 | 878 | 0.04% | 0.005% |
| 36 | 7.002 | 1757 | 1761 | 1765 | rBV4 | 481 | 522 | 0.02% | 0.003% |
| 37 | 7.067 | 1778 | 1781 | 1786 | rVB3 | 798 | 797 | 0.04% | 0.004% |
| 38 | 7.092 | 1786 | 1789 | 1793 | rBV2 | 640 | 491 | 0.02% | 0.003% |
| 39 | 7.153 | 1803 | 1808 | 1810 | rBV6 | 899 | 804 | 0.04% | 0.004% |
| 40 | 7.202 | 1816 | 1823 | 1834 | rVB6 | 3560 | 6486 | 0.29% | 0.035% |
| 41 | 7.266 | 1838 | 1843 | 1845 | rBV5 | 848 | 794 | 0.04% | 0.004% |
| 42 | 7.308 | 1853 | 1856 | 1859 | rBV3 | 925 | 830 | 0.04% | 0.004% |
| 43 | 7.449 | 1894 | 1900 | 1903 | rBV4 | 633 | 587 | 0.03% | 0.003% |
| 44 | 7.591 | 1929 | 1944 | 1960 | rBV | 338071 | 585425 | 25.89% | 3.170% |
| 45 | 7.703 | 1973 | 1979 | 1983 | rBV4 | 1866 | 2486 | 0.11% | 0.013% |
| 46 | 7.922 | 2032 | 2047 | 2063 | rBV | 1092657 | 1858362 | 82.20% | 10.064% |
| 47 | 8.202 | 2121 | 2134 | 2152 | rBV | 243237 | 401922 | 17.78% | 2.177% |
| 48 | 8.407 | 2195 | 2198 | 2200 | rBV3 | 865 | 642 | 0.03% | 0.003% |
| 49 | 8.436 | 2204 | 2207 | 2212 | rBV6 | 550 | 604 | 0.03% | 0.003% |
| 50 | 8.568 | 2244 | 2248 | 2249 | rBV4 | 1166 | 656 | 0.03% | 0.004% |
| 51 | 8.655 | 2258 | 2275 | 2305 | rBV | 820118 | 1444818 | 63.91% | 7.824% |
| 52 | 8.854 | 2331 | 2337 | 2339 | rBV5 | 902 | 965 | 0.04% | 0.005% |
| 53 | 9.173 | 2431 | 2436 | 2440 | rBV7 | 1256 | 1210 | 0.05% | 0.007% |
| 54 | 9.288 | 2468 | 2472 | 2475 | rBV2 | 739 | 621 | 0.03% | 0.003% |
| 55 | 9.327 | 2482 | 2484 | 2489 | rVB4 | 724 | 507 | 0.02% | 0.003% |
| 56 | 9.353 | 2489 | 2492 | 2497 | rBV4 | 610 | 505 | 0.02% | 0.003% |
| 57 | 9.436 | 2504 | 2518 | 2540 | rBV | 1082909 | 1761091 | 77.89% | 9.537% |
| 58 | 9.668 | 2583 | 2590 | 2596 | rBV6 | 1028 | 1305 | 0.06% | 0.007% |
| 59 | 9.706 | 2597 | 2602 | 2607 | rBV6 | 1322 | 1650 | 0.07% | 0.009% |
| 60 | 9.787 | 2624 | 2627 | 2630 | rBV3 | 832 | 632 | 0.03% | 0.003% |
| 61 | 9.925 | 2664 | 2670 | 2672 | rBV5 | 566 | 605 | 0.03% | 0.003% |
| 62 | 10.022 | 2698 | 2700 | 2704 | rBV4 | 716 | 542 | 0.02% | 0.003% |
| 63 | 10.121 | 2726 | 2731 | 2735 | rBV5 | 1828 | 1960 | 0.09% | 0.011% |
| 64 | 10.250 | 2767 | 2771 | 2773 | rBV4 | 755 | 704 | 0.03% | 0.004% |
| 65 | 10.491 | 2843 | 2846 | 2851 | rVV6 | 1162 | 1224 | 0.05% | 0.007% |
| 66 | 10.591 | 2865 | 2877 | 2884 | rBV7 | 2821 | 5030 | 0.22% | 0.027% |
| 67 | 10.697 | 2907 | 2910 | 2914 | rBV3 | 696 | 598 | 0.03% | 0.003% |
| 68 | 10.771 | 2921 | 2933 | 2953 | rVB | 680789 | 1102211 | 48.75% | 5.969% |
| 69 | 10.903 | 2966 | 2974 | 2983 | rBV5 | 3212 | 5013 | 0.22% | 0.027% |
| 70 | 11.047 | 3010 | 3019 | 3029 | rBV9 | 3580 | 5980 | 0.26% | 0.032% |
| 71 | 11.099 | 3030 | 3035 | 3040 | rBV6 | 1155 | 1412 | 0.06% | 0.008% |

LSC Area Percent Report

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Operator : JC/MD
Sample : L1885-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0ET7

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_U\METHOD\SOMULM040920WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 11.240 | 3075 | 3079 | 3082 | rVV5 | 705 | 521 | 0.02% | 0.003% |
| 73 | 11.301 | 3096 | 3098 | 3106 | rVB5 | 607 | 631 | 0.03% | 0.003% |
| 74 | 11.369 | 3116 | 3119 | 3124 | rVB5 | 1277 | 1039 | 0.05% | 0.006% |
| 75 | 11.407 | 3124 | 3131 | 3133 | rBV4 | 996 | 1210 | 0.05% | 0.007% |
| 76 | 11.436 | 3135 | 3140 | 3144 | rVV6 | 998 | 1199 | 0.05% | 0.006% |
| 77 | 11.481 | 3146 | 3154 | 3163 | rVB8 | 2002 | 2845 | 0.13% | 0.015% |
| 78 | 11.700 | 3216 | 3222 | 3228 | rBV7 | 1646 | 2335 | 0.10% | 0.013% |
| 79 | 11.825 | 3247 | 3261 | 3275 | rBV | 1117830 | 1739753 | 76.95% | 9.421% |
| 80 | 11.996 | 3308 | 3314 | 3317 | rVV6 | 554 | 628 | 0.03% | 0.003% |
| 81 | 12.079 | 3329 | 3340 | 3350 | rBV | 24806 | 40689 | 1.80% | 0.220% |
| 82 | 12.205 | 3366 | 3379 | 3396 | rVB | 1029917 | 1620701 | 71.68% | 8.777% |
| 83 | 12.337 | 3415 | 3420 | 3422 | rBV3 | 955 | 823 | 0.04% | 0.004% |
| 84 | 12.372 | 3427 | 3431 | 3434 | rVB | 749 | 544 | 0.02% | 0.003% |
| 85 | 12.398 | 3434 | 3439 | 3442 | rBV3 | 748 | 620 | 0.03% | 0.003% |
| 86 | 12.562 | 3486 | 3490 | 3493 | rBV4 | 1175 | 807 | 0.04% | 0.004% |
| 87 | 12.780 | 3555 | 3558 | 3560 | rVV4 | 1255 | 912 | 0.04% | 0.005% |
| 88 | 12.800 | 3560 | 3564 | 3569 | rVV6 | 2035 | 2575 | 0.11% | 0.014% |
| 89 | 12.825 | 3569 | 3572 | 3579 | rVB6 | 1548 | 1576 | 0.07% | 0.009% |
| 90 | 12.912 | 3593 | 3599 | 3609 | rVB7 | 6068 | 9526 | 0.42% | 0.052% |
| 91 | 12.989 | 3618 | 3623 | 3627 | rBV6 | 939 | 814 | 0.04% | 0.004% |
| 92 | 13.038 | 3635 | 3638 | 3642 | rBV4 | 904 | 905 | 0.04% | 0.005% |
| 93 | 13.237 | 3693 | 3700 | 3706 | rBV6 | 2193 | 3428 | 0.15% | 0.019% |
| 94 | 13.420 | 3754 | 3757 | 3762 | rVB3 | 954 | 767 | 0.03% | 0.004% |
| 95 | 13.546 | 3794 | 3796 | 3801 | rBV2 | 546 | 503 | 0.02% | 0.003% |
| 96 | 13.748 | 3855 | 3859 | 3862 | rBV4 | 1010 | 905 | 0.04% | 0.005% |
| 97 | 13.864 | 3892 | 3895 | 3902 | rVB6 | 3469 | 3561 | 0.16% | 0.019% |
| 98 | 14.111 | 3965 | 3972 | 3980 | rBV2 | 6362 | 9721 | 0.43% | 0.053% |
| 99 | 14.732 | 4163 | 4165 | 4168 | rVB4 | 1253 | 630 | 0.03% | 0.003% |
| 100 | 14.999 | 4245 | 4248 | 4249 | rBV2 | 938 | 536 | 0.02% | 0.003% |

Sum of corrected areas: 18465881

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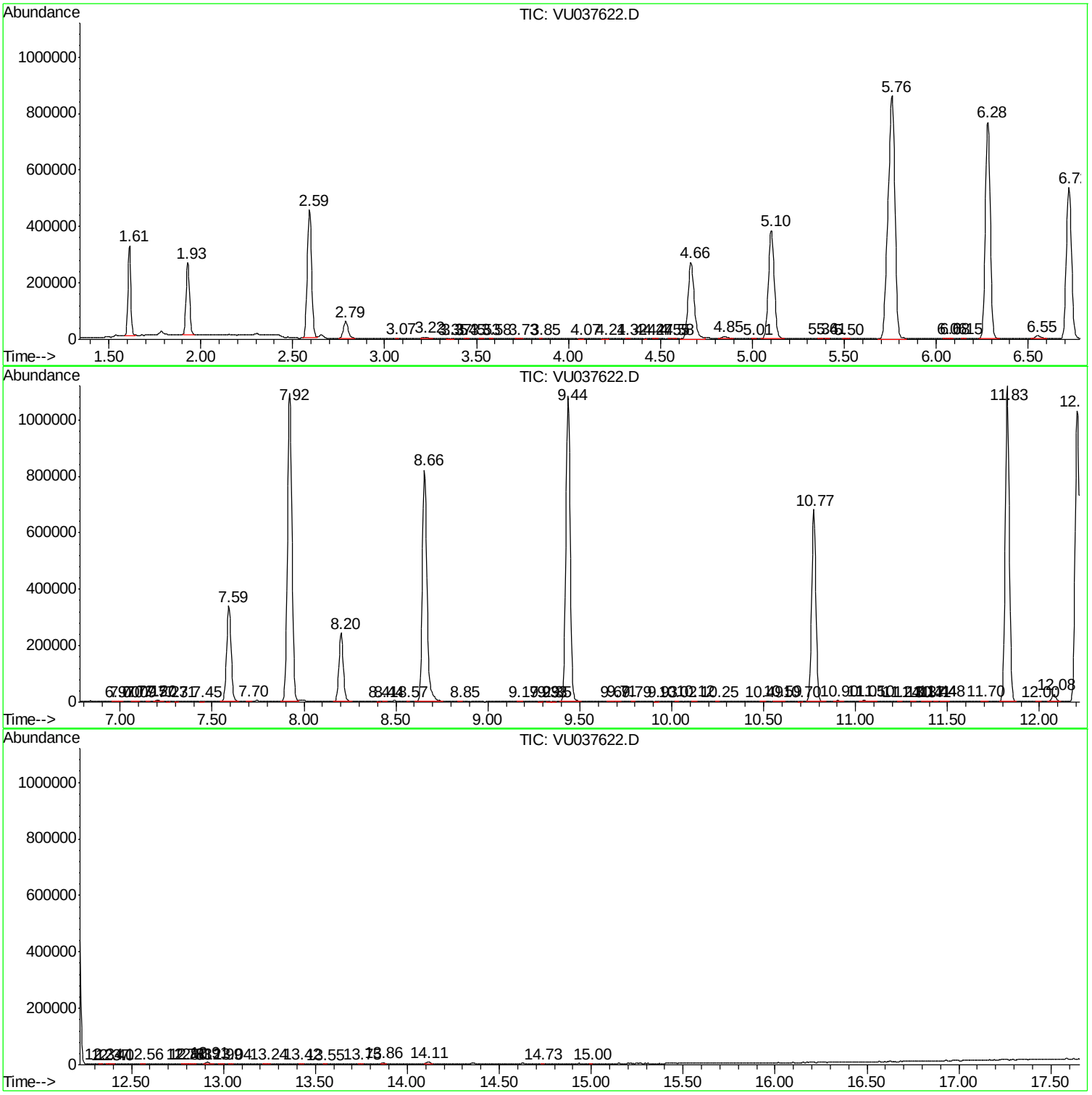
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0ET7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.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 U\DATA\VU040920\
Data File : VU037622.D
Acq On : 09 Apr 2020 16:52
Operator : JC/MD
Sample : L1885-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0ET7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis

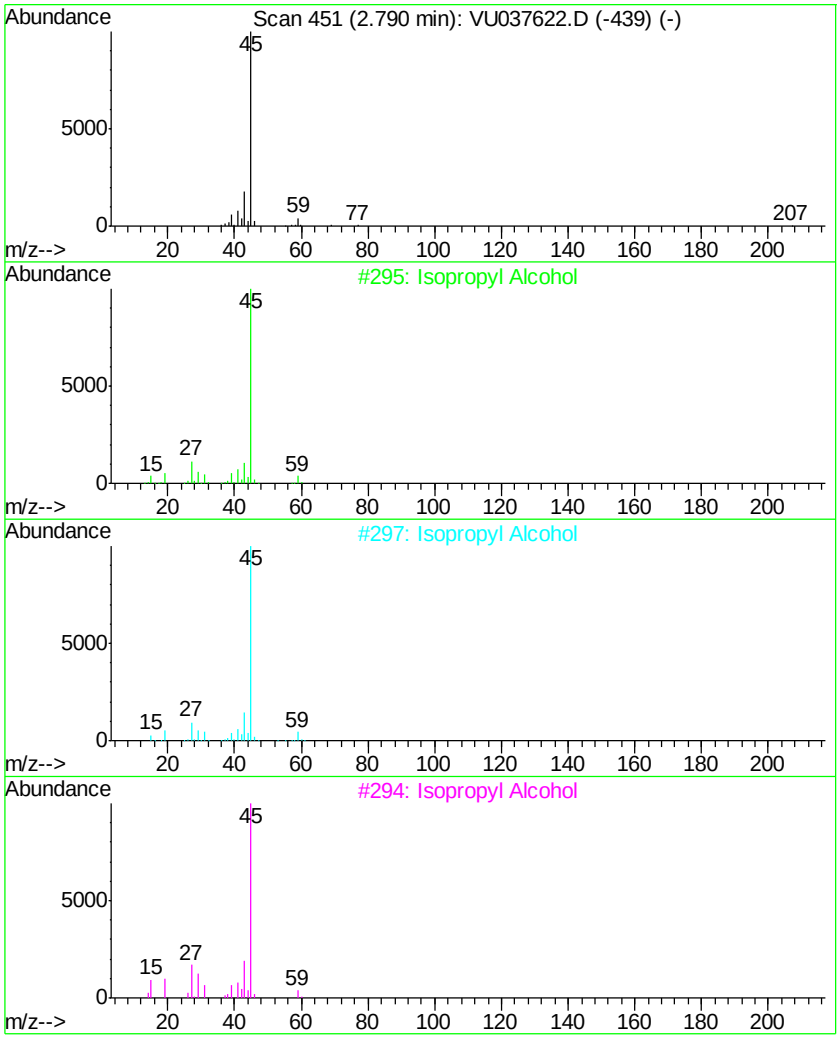
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

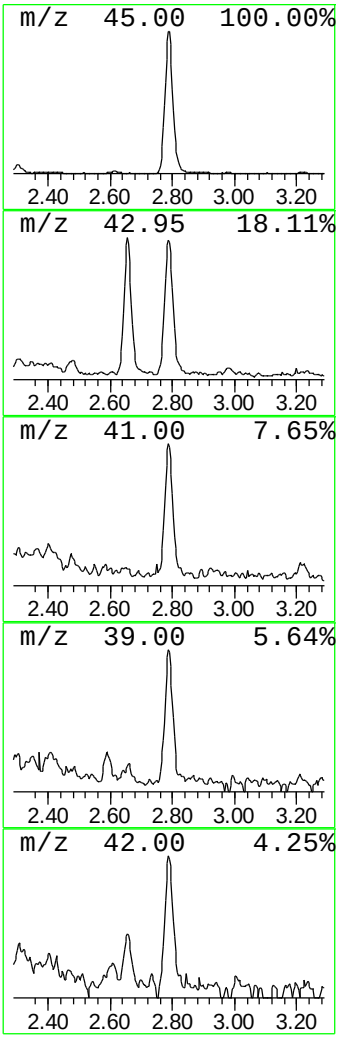
**********

Peak Number 1 Isopropyl Alcohol Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.79 | 3.92 ug/L | 112688 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 86 |
| 2 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 86 |
| 3 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 72 |
| 4 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 56 |
| 5 | Propane, 2-ethoxy- | 88 | C5H12O | 000625-54-7 | 40 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
Data File : VU037622.D
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ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0ET7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.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 |
| Isopropyl Alcohol | 2.79 | 3.9 | ug/L | 112688 | 1 | 6.28 | 1436500 | 50.0 |