LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
Data File : VU037626.D
Acq On : 09 Apr 2020 18:23
Operator : JC/MD
Sample : L2212-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0ES0

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 | 1.536 | 57 | 61 | 64 | rBV | 6977 | 6212 | 0.27% | 0.034% |
| 2 | 1.610 | 77 | 84 | 95 | rBV | 328675 | 356045 | 15.39% | 1.923% |
| 3 | 1.929 | 175 | 183 | 196 | rVB | 257659 | 332773 | 14.39% | 1.797% |
| 4 | 2.591 | 376 | 389 | 402 | rBV | 463597 | 761042 | 32.90% | 4.110% |
| 5 | 2.655 | 404 | 409 | 424 | rVB | 13982 | 22258 | 0.96% | 0.120% |
| 6 | 2.787 | 439 | 450 | 467 | rVB | 43055 | 79264 | 3.43% | 0.428% |
| 7 | 3.221 | 574 | 585 | 599 | rVB3 | 5636 | 13487 | 0.58% | 0.073% |
| 8 | 3.276 | 599 | 602 | 603 | rBV3 | 826 | 459 | 0.02% | 0.002% |
| 9 | 3.424 | 645 | 648 | 652 | rBV4 | 905 | 550 | 0.02% | 0.003% |
| 10 | 3.507 | 671 | 674 | 678 | rBV5 | 819 | 741 | 0.03% | 0.004% |
| 11 | 3.736 | 742 | 745 | 749 | rBV3 | 716 | 517 | 0.02% | 0.003% |
| 12 | 3.845 | 774 | 779 | 781 | rBV2 | 614 | 588 | 0.03% | 0.003% |
| 13 | 3.983 | 817 | 822 | 826 | rVB4 | 861 | 900 | 0.04% | 0.005% |
| 14 | 4.073 | 843 | 850 | 852 | rBV5 | 845 | 910 | 0.04% | 0.005% |
| 15 | 4.157 | 873 | 876 | 879 | rBV3 | 1179 | 778 | 0.03% | 0.004% |
| 16 | 4.218 | 891 | 895 | 898 | rBV4 | 860 | 616 | 0.03% | 0.003% |
| 17 | 4.237 | 898 | 901 | 902 | rBV3 | 858 | 553 | 0.02% | 0.003% |
| 18 | 4.324 | 926 | 928 | 936 | rVB5 | 784 | 661 | 0.03% | 0.004% |
| 19 | 4.372 | 938 | 943 | 945 | rBV4 | 941 | 880 | 0.04% | 0.005% |
| 20 | 4.549 | 993 | 998 | 1001 | rVB5 | 736 | 645 | 0.03% | 0.003% |
| 21 | 4.575 | 1001 | 1006 | 1009 | rBV4 | 739 | 523 | 0.02% | 0.003% |
| 22 | 4.665 | 1016 | 1034 | 1059 | rBV | 274704 | 652174 | 28.20% | 3.522% |
| 23 | 4.848 | 1079 | 1091 | 1106 | rVB | 22806 | 46126 | 1.99% | 0.249% |
| 24 | 5.028 | 1143 | 1147 | 1152 | rBV7 | 980 | 760 | 0.03% | 0.004% |
| 25 | 5.102 | 1152 | 1170 | 1196 | rBV | 387661 | 868950 | 37.57% | 4.693% |
| 26 | 5.308 | 1232 | 1234 | 1237 | rBV2 | 750 | 501 | 0.02% | 0.003% |
| 27 | 5.388 | 1256 | 1259 | 1261 | rBV4 | 679 | 506 | 0.02% | 0.003% |
| 28 | 5.562 | 1309 | 1313 | 1317 | rVB6 | 623 | 513 | 0.02% | 0.003% |
| 29 | 5.758 | 1352 | 1374 | 1392 | rBV2 | 886910 | 2312872 | 100.00% | 12.491% |
| 30 | 6.076 | 1471 | 1473 | 1485 | rVB10 | 1772 | 2818 | 0.12% | 0.015% |
| 31 | 6.128 | 1485 | 1489 | 1491 | rBV3 | 1154 | 909 | 0.04% | 0.005% |
| 32 | 6.150 | 1491 | 1496 | 1501 | rBV6 | 988 | 1263 | 0.05% | 0.007% |
| 33 | 6.189 | 1501 | 1508 | 1521 | rVB5 | 3613 | 6833 | 0.30% | 0.037% |
| 34 | 6.279 | 1521 | 1536 | 1558 | rBV | 715701 | 1338113 | 57.86% | 7.227% |

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Sample : L2212-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0ES0

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 | 6.414 | 1574 | 1578 | 1581 | rVV4 | 661 | 582 | 0.03% | 0.003% |
| 36 | 6.433 | 1581 | 1584 | 1589 | rVV5 | 550 | 624 | 0.03% | 0.003% |
| 37 | 6.552 | 1610 | 1621 | 1635 | rBV5 | 8860 | 18876 | 0.82% | 0.102% |
| 38 | 6.723 | 1657 | 1674 | 1692 | rBV | 549963 | 1069712 | 46.25% | 5.777% |
| 39 | 6.912 | 1728 | 1733 | 1740 | rVB7 | 957 | 1262 | 0.05% | 0.007% |
| 40 | 6.954 | 1742 | 1746 | 1750 | rBV6 | 963 | 756 | 0.03% | 0.004% |
| 41 | 7.150 | 1799 | 1807 | 1808 | rBV4 | 1704 | 1754 | 0.08% | 0.009% |
| 42 | 7.208 | 1817 | 1825 | 1833 | rVB7 | 3217 | 5721 | 0.25% | 0.031% |
| 43 | 7.324 | 1858 | 1861 | 1864 | rVB3 | 823 | 557 | 0.02% | 0.003% |
| 44 | 7.346 | 1864 | 1868 | 1871 | rBV3 | 524 | 505 | 0.02% | 0.003% |
| 45 | 7.591 | 1929 | 1944 | 1966 | rBV | 351632 | 599362 | 25.91% | 3.237% |
| 46 | 7.703 | 1974 | 1979 | 1984 | rBV6 | 1914 | 2290 | 0.10% | 0.012% |
| 47 | 7.922 | 2032 | 2047 | 2064 | rBV | 1108843 | 1892949 | 81.84% | 10.223% |
| 48 | 8.131 | 2108 | 2112 | 2116 | rVB4 | 934 | 757 | 0.03% | 0.004% |
| 49 | 8.153 | 2116 | 2119 | 2121 | rBV3 | 822 | 510 | 0.02% | 0.003% |
| 50 | 8.202 | 2121 | 2134 | 2154 | rVV | 245698 | 413635 | 17.88% | 2.234% |
| 51 | 8.362 | 2182 | 2184 | 2191 | rVB5 | 928 | 595 | 0.03% | 0.003% |
| 52 | 8.485 | 2216 | 2222 | 2223 | rBV3 | 3216 | 2387 | 0.10% | 0.013% |
| 53 | 8.555 | 2238 | 2244 | 2247 | rBV5 | 1074 | 1075 | 0.05% | 0.006% |
| 54 | 8.584 | 2250 | 2253 | 2257 | rVV3 | 1030 | 847 | 0.04% | 0.005% |
| 55 | 8.655 | 2262 | 2275 | 2310 | rVV | 865988 | 1504054 | 65.03% | 8.123% |
| 56 | 8.928 | 2358 | 2360 | 2364 | rVV3 | 697 | 460 | 0.02% | 0.002% |
| 57 | 8.996 | 2375 | 2381 | 2383 | rVB6 | 699 | 544 | 0.02% | 0.003% |
| 58 | 9.025 | 2383 | 2390 | 2394 | rBV6 | 1375 | 1607 | 0.07% | 0.009% |
| 59 | 9.436 | 2504 | 2518 | 2536 | rBV | 1007693 | 1638537 | 70.84% | 8.849% |
| 60 | 9.594 | 2560 | 2567 | 2568 | rBV4 | 1130 | 953 | 0.04% | 0.005% |
| 61 | 9.613 | 2570 | 2573 | 2575 | rBV3 | 691 | 453 | 0.02% | 0.002% |
| 62 | 9.706 | 2596 | 2602 | 2613 | rVB7 | 2292 | 3746 | 0.16% | 0.020% |
| 63 | 9.832 | 2635 | 2641 | 2645 | rBV7 | 837 | 831 | 0.04% | 0.004% |
| 64 | 10.012 | 2694 | 2697 | 2699 | rVV2 | 743 | 505 | 0.02% | 0.003% |
| 65 | 10.108 | 2724 | 2727 | 2729 | rBV3 | 815 | 504 | 0.02% | 0.003% |
| 66 | 10.214 | 2754 | 2760 | 2765 | rBV7 | 1021 | 1462 | 0.06% | 0.008% |
| 67 | 10.285 | 2779 | 2782 | 2786 | rVB3 | 763 | 531 | 0.02% | 0.003% |
| 68 | 10.311 | 2786 | 2790 | 2793 | rVB3 | 785 | 692 | 0.03% | 0.004% |
| 69 | 10.350 | 2796 | 2802 | 2805 | rBV5 | 1167 | 1344 | 0.06% | 0.007% |
| 70 | 10.372 | 2805 | 2809 | 2817 | rVB6 | 1037 | 1436 | 0.06% | 0.008% |
| 71 | 10.411 | 2817 | 2821 | 2824 | rBV2 | 926 | 797 | 0.03% | 0.004% |

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Operator : JC/MD
Sample : L2212-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0ES0

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 | 10.497 | 2846 | 2848 | 2851 | rVB2 | 740 | 447 | 0.02% | 0.002% |
| 73 | 10.771 | 2920 | 2933 | 2951 | rVV | 705172 | 1139801 | 49.28% | 6.156% |
| 74 | 10.867 | 2960 | 2963 | 2966 | rBV2 | 791 | 535 | 0.02% | 0.003% |
| 75 | 10.903 | 2966 | 2974 | 2981 | rVV3 | 4958 | 7631 | 0.33% | 0.041% |
| 76 | 11.009 | 3004 | 3007 | 3011 | rVB4 | 1067 | 862 | 0.04% | 0.005% |
| 77 | 11.099 | 3032 | 3035 | 3040 | rBV4 | 1141 | 981 | 0.04% | 0.005% |
| 78 | 11.423 | 3133 | 3136 | 3139 | rBV4 | 954 | 789 | 0.03% | 0.004% |
| 79 | 11.481 | 3148 | 3154 | 3161 | rVB5 | 1845 | 2328 | 0.10% | 0.013% |
| 80 | 11.587 | 3182 | 3187 | 3189 | rBV4 | 1063 | 1060 | 0.05% | 0.006% |
| 81 | 11.636 | 3198 | 3202 | 3203 | rBV3 | 649 | 488 | 0.02% | 0.003% |
| 82 | 11.700 | 3218 | 3222 | 3229 | rVB8 | 1460 | 1817 | 0.08% | 0.010% |
| 83 | 11.825 | 3248 | 3261 | 3280 | rVB | 1050717 | 1626095 | 70.31% | 8.782% |
| 84 | 12.076 | 3329 | 3339 | 3352 | rBV | 28854 | 48064 | 2.08% | 0.260% |
| 85 | 12.205 | 3366 | 3379 | 3395 | rBV | 1041126 | 1656492 | 71.62% | 8.946% |
| 86 | 12.507 | 3471 | 3473 | 3477 | rVB3 | 739 | 459 | 0.02% | 0.002% |
| 87 | 12.530 | 3477 | 3480 | 3483 | rBV4 | 871 | 797 | 0.03% | 0.004% |
| 88 | 12.555 | 3485 | 3488 | 3489 | rBV2 | 1520 | 795 | 0.03% | 0.004% |
| 89 | 12.607 | 3501 | 3504 | 3509 | rVB4 | 924 | 685 | 0.03% | 0.004% |
| 90 | 12.774 | 3552 | 3556 | 3557 | rBV3 | 881 | 506 | 0.02% | 0.003% |
| 91 | 12.800 | 3557 | 3564 | 3570 | rVV6 | 2285 | 3459 | 0.15% | 0.019% |
| 92 | 12.870 | 3583 | 3586 | 3587 | rBV2 | 745 | 482 | 0.02% | 0.003% |
| 93 | 12.909 | 3590 | 3598 | 3612 | rVB4 | 9452 | 15631 | 0.68% | 0.084% |
| 94 | 13.240 | 3696 | 3701 | 3704 | rBV6 | 2774 | 3276 | 0.14% | 0.018% |
| 95 | 13.388 | 3742 | 3747 | 3755 | rVB7 | 2773 | 3752 | 0.16% | 0.020% |
| 96 | 13.513 | 3783 | 3786 | 3787 | rBV2 | 706 | 458 | 0.02% | 0.002% |
| 97 | 14.111 | 3969 | 3972 | 3981 | rVB3 | 5344 | 6780 | 0.29% | 0.037% |
| 98 | 14.301 | 4028 | 4031 | 4037 | rBV4 | 1170 | 926 | 0.04% | 0.005% |
| 99 | 14.356 | 4045 | 4048 | 4057 | rVB7 | 2290 | 2459 | 0.11% | 0.013% |
| 100 | 14.613 | 4121 | 4128 | 4130 | rBV7 | 1994 | 2509 | 0.11% | 0.014% |

Sum of corrected areas: 18516316

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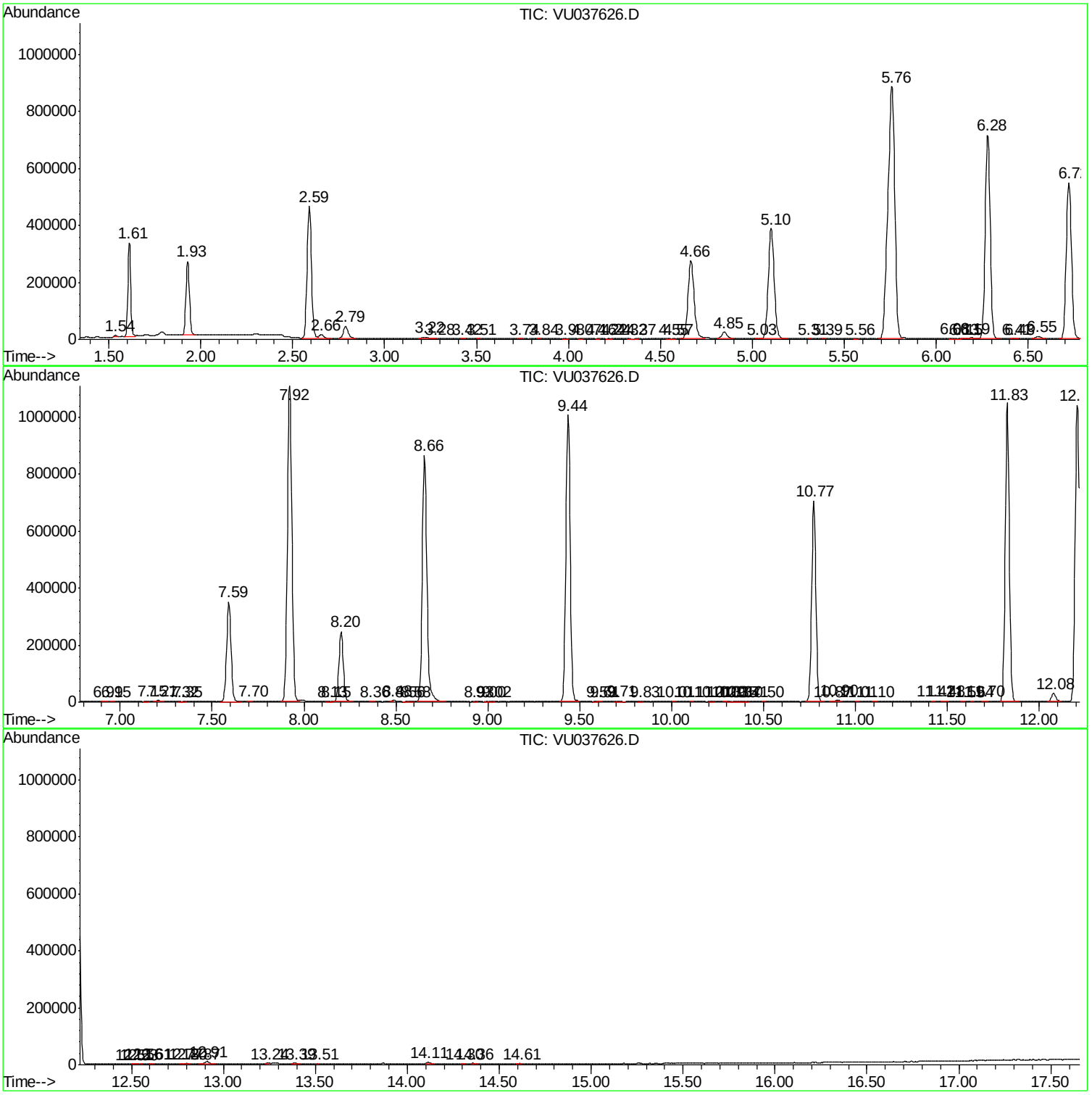
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0ES0

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 : VU037626.D
Acq On : 09 Apr 2020 18:23
Operator : JC/MD
Sample : L2212-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0ES0

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

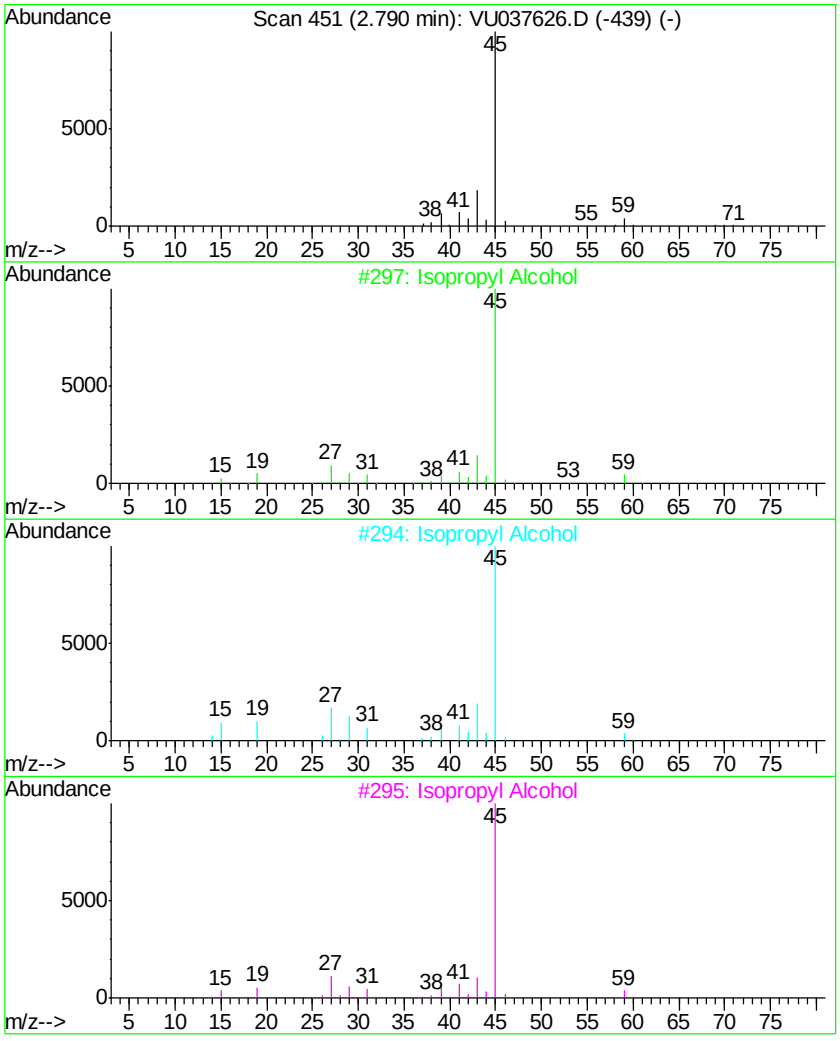
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

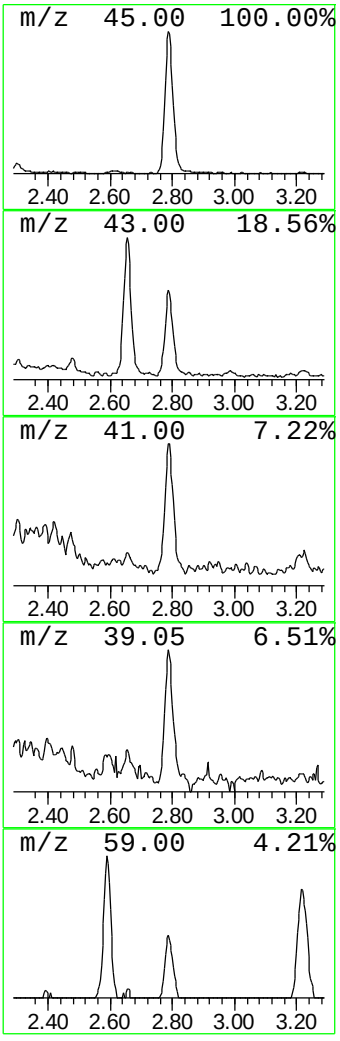
**********

Peak Number 1 Isopropyl Alcohol Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.79 | 2.96 ug/L | 79264 | 1,4-Difluorobenzene | 6.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 78 |
| 2 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 64 |
| 3 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 43 |
| 4 | Propane, 2-ethoxy- | 88 | C5H12O | 000625-54-7 | 43 |
| 5 | (S)-(+)-2-Pentanol | 88 | C5H12O | 026184-62-3 | 9 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040920\
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ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0ES0

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 | 3.0 | ug/L | 79264 | 1 | 6.28 | 1338110 | 50.0 |