LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\
Data File : VU037234.D
Acq On : 13 Mar 2020 11:17
Operator : JC/MD
Sample : L1835-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 54 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0DM5

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\SOMULM031220WMA.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 | 97 | rBV | 264584 | 283144 | 15.97% | 2.001% |
| 2 | 1.929 | 174 | 183 | 194 | rBV | 207616 | 266939 | 15.05% | 1.887% |
| 3 | 2.591 | 375 | 389 | 402 | rBV | 362789 | 598070 | 33.72% | 4.227% |
| 4 | 2.655 | 403 | 409 | 423 | rVB | 11182 | 19474 | 1.10% | 0.138% |
| 5 | 2.787 | 440 | 450 | 469 | rBV2 | 43727 | 79341 | 4.47% | 0.561% |
| 6 | 2.954 | 498 | 502 | 506 | rBV4 | 595 | 454 | 0.03% | 0.003% |
| 7 | 3.064 | 532 | 536 | 541 | rBV3 | 591 | 569 | 0.03% | 0.004% |
| 8 | 3.218 | 573 | 584 | 598 | rBV2 | 9672 | 21208 | 1.20% | 0.150% |
| 9 | 3.623 | 705 | 710 | 712 | rBV3 | 382 | 359 | 0.02% | 0.003% |
| 10 | 3.697 | 727 | 733 | 735 | rBV2 | 337 | 390 | 0.02% | 0.003% |
| 11 | 3.790 | 757 | 762 | 766 | rBV | 379 | 350 | 0.02% | 0.002% |
| 12 | 4.109 | 853 | 861 | 865 | rBV2 | 330 | 442 | 0.02% | 0.003% |
| 13 | 4.308 | 920 | 923 | 925 | rBV2 | 357 | 278 | 0.02% | 0.002% |
| 14 | 4.398 | 948 | 951 | 957 | rVB2 | 601 | 442 | 0.02% | 0.003% |
| 15 | 4.668 | 1019 | 1035 | 1065 | rBV | 186570 | 458934 | 25.88% | 3.244% |
| 16 | 4.855 | 1085 | 1093 | 1101 | rVB3 | 3492 | 5819 | 0.33% | 0.041% |
| 17 | 4.948 | 1117 | 1122 | 1123 | rBV3 | 483 | 416 | 0.02% | 0.003% |
| 18 | 5.105 | 1149 | 1171 | 1194 | rBV | 334865 | 736911 | 41.55% | 5.209% |
| 19 | 5.334 | 1232 | 1242 | 1251 | rVB5 | 1754 | 2878 | 0.16% | 0.020% |
| 20 | 5.404 | 1258 | 1264 | 1265 | rBV3 | 787 | 651 | 0.04% | 0.005% |
| 21 | 5.453 | 1275 | 1279 | 1284 | rBV3 | 493 | 501 | 0.03% | 0.004% |
| 22 | 5.494 | 1289 | 1292 | 1296 | rBV2 | 555 | 556 | 0.03% | 0.004% |
| 23 | 5.568 | 1310 | 1315 | 1317 | rBV2 | 280 | 279 | 0.02% | 0.002% |
| 24 | 5.646 | 1337 | 1339 | 1348 | rVB | 460 | 609 | 0.03% | 0.004% |
| 25 | 5.761 | 1352 | 1375 | 1396 | rBV2 | 661586 | 1773446 | 100.00% | 12.535% |
| 26 | 5.928 | 1424 | 1427 | 1431 | rBV4 | 527 | 550 | 0.03% | 0.004% |
| 27 | 6.009 | 1447 | 1452 | 1453 | rBV2 | 344 | 306 | 0.02% | 0.002% |
| 28 | 6.086 | 1474 | 1476 | 1483 | rVB4 | 866 | 748 | 0.04% | 0.005% |
| 29 | 6.282 | 1521 | 1537 | 1555 | rBV | 586436 | 1099709 | 62.01% | 7.773% |
| 30 | 6.562 | 1616 | 1624 | 1637 | rVB10 | 4119 | 9048 | 0.51% | 0.064% |
| 31 | 6.642 | 1644 | 1649 | 1653 | rBV3 | 540 | 492 | 0.03% | 0.003% |
| 32 | 6.723 | 1659 | 1674 | 1697 | rBV | 419657 | 811372 | 45.75% | 5.735% |
| 33 | 6.935 | 1738 | 1740 | 1744 | rVB2 | 437 | 284 | 0.02% | 0.002% |
| 34 | 6.957 | 1744 | 1747 | 1751 | rVB2 | 393 | 267 | 0.02% | 0.002% |

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\
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Acq On : 13 Mar 2020 11:17
Operator : JC/MD
Sample : L1835-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 54 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0DM5

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\SOMULM031220WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 6.996 | 1757 | 1759 | 1764 | rBV2 | 423 | 321 | 0.02% | 0.002% |
| 36 | 7.121 | 1796 | 1798 | 1804 | rBV3 | 299 | 321 | 0.02% | 0.002% |
| 37 | 7.202 | 1820 | 1823 | 1824 | rBV2 | 660 | 374 | 0.02% | 0.003% |
| 38 | 7.218 | 1825 | 1828 | 1833 | rVB3 | 1277 | 1024 | 0.06% | 0.007% |
| 39 | 7.327 | 1858 | 1862 | 1868 | rVB2 | 547 | 532 | 0.03% | 0.004% |
| 40 | 7.510 | 1915 | 1919 | 1921 | rBV | 421 | 318 | 0.02% | 0.002% |
| 41 | 7.530 | 1921 | 1925 | 1927 | rBV | 370 | 284 | 0.02% | 0.002% |
| 42 | 7.594 | 1931 | 1945 | 1962 | rBV | 227225 | 402878 | 22.72% | 2.848% |
| 43 | 7.707 | 1978 | 1980 | 1990 | rVB6 | 1385 | 1839 | 0.10% | 0.013% |
| 44 | 7.777 | 1999 | 2002 | 2006 | rBV3 | 688 | 619 | 0.03% | 0.004% |
| 45 | 7.826 | 2011 | 2017 | 2021 | rVV3 | 704 | 765 | 0.04% | 0.005% |
| 46 | 7.922 | 2033 | 2047 | 2065 | rBV | 804169 | 1388775 | 78.31% | 9.816% |
| 47 | 8.205 | 2121 | 2135 | 2155 | rBV | 167809 | 285295 | 16.09% | 2.016% |
| 48 | 8.385 | 2189 | 2191 | 2198 | rVB2 | 467 | 485 | 0.03% | 0.003% |
| 49 | 8.424 | 2198 | 2203 | 2206 | rBV3 | 504 | 404 | 0.02% | 0.003% |
| 50 | 8.465 | 2214 | 2216 | 2217 | rBV | 593 | 305 | 0.02% | 0.002% |
| 51 | 8.494 | 2218 | 2225 | 2231 | rVB5 | 2790 | 4165 | 0.23% | 0.029% |
| 52 | 8.578 | 2249 | 2251 | 2256 | rVB | 413 | 266 | 0.01% | 0.002% |
| 53 | 8.658 | 2262 | 2276 | 2308 | rBV | 549312 | 1042324 | 58.77% | 7.367% |
| 54 | 9.047 | 2394 | 2397 | 2403 | rBV | 468 | 421 | 0.02% | 0.003% |
| 55 | 9.182 | 2436 | 2439 | 2442 | rVV | 474 | 341 | 0.02% | 0.002% |
| 56 | 9.436 | 2505 | 2518 | 2553 | rBV | 820730 | 1401590 | 79.03% | 9.907% |
| 57 | 9.584 | 2560 | 2564 | 2570 | rBV3 | 587 | 538 | 0.03% | 0.004% |
| 58 | 9.649 | 2581 | 2584 | 2587 | rBV2 | 323 | 263 | 0.01% | 0.002% |
| 59 | 9.665 | 2587 | 2589 | 2596 | rVB2 | 511 | 375 | 0.02% | 0.003% |
| 60 | 9.719 | 2600 | 2606 | 2609 | rVB3 | 1047 | 1012 | 0.06% | 0.007% |
| 61 | 9.751 | 2612 | 2616 | 2619 | rBV | 382 | 273 | 0.02% | 0.002% |
| 62 | 9.890 | 2656 | 2659 | 2663 | rVV | 356 | 271 | 0.02% | 0.002% |
| 63 | 10.009 | 2692 | 2696 | 2700 | rBV | 409 | 361 | 0.02% | 0.003% |
| 64 | 10.173 | 2742 | 2747 | 2750 | rBV | 457 | 416 | 0.02% | 0.003% |
| 65 | 10.231 | 2762 | 2765 | 2767 | rBV | 465 | 273 | 0.02% | 0.002% |
| 66 | 10.269 | 2774 | 2777 | 2781 | rVB | 410 | 256 | 0.01% | 0.002% |
| 67 | 10.321 | 2790 | 2793 | 2798 | rVB2 | 337 | 297 | 0.02% | 0.002% |
| 68 | 10.404 | 2816 | 2819 | 2822 | rBV2 | 431 | 303 | 0.02% | 0.002% |
| 69 | 10.462 | 2834 | 2837 | 2841 | rBV2 | 396 | 283 | 0.02% | 0.002% |
| 70 | 10.491 | 2842 | 2846 | 2849 | rVB3 | 397 | 349 | 0.02% | 0.002% |
| 71 | 10.510 | 2849 | 2852 | 2855 | rVB | 717 | 446 | 0.03% | 0.003% |

LSC Area Percent Report

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Acq On : 13 Mar 2020 11:17
Operator : JC/MD
Sample : L1835-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 54 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0DM5

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\SOMULM031220WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 10.587 | 2871 | 2876 | 2884 | rBV6 | 1785 | 2282 | 0.13% | 0.016% |
| 73 | 10.668 | 2897 | 2901 | 2904 | rBV2 | 532 | 465 | 0.03% | 0.003% |
| 74 | 10.774 | 2921 | 2934 | 2952 | rVB | 568236 | 926348 | 52.23% | 6.548% |
| 75 | 10.912 | 2968 | 2977 | 2982 | rBV5 | 2774 | 4016 | 0.23% | 0.028% |
| 76 | 11.263 | 3084 | 3086 | 3093 | rVB2 | 429 | 379 | 0.02% | 0.003% |
| 77 | 11.417 | 3128 | 3134 | 3136 | rBV | 392 | 458 | 0.03% | 0.003% |
| 78 | 11.494 | 3156 | 3158 | 3162 | rVB2 | 458 | 315 | 0.02% | 0.002% |
| 79 | 11.546 | 3170 | 3174 | 3178 | rBV2 | 323 | 381 | 0.02% | 0.003% |
| 80 | 11.825 | 3246 | 3261 | 3280 | rBV | 734849 | 1217634 | 68.66% | 8.606% |
| 81 | 11.957 | 3299 | 3302 | 3305 | rBV2 | 633 | 450 | 0.03% | 0.003% |
| 82 | 12.044 | 3327 | 3329 | 3331 | rBV3 | 515 | 322 | 0.02% | 0.002% |
| 83 | 12.079 | 3331 | 3340 | 3352 | rVB4 | 5482 | 9268 | 0.52% | 0.066% |
| 84 | 12.208 | 3366 | 3380 | 3401 | rVB | 778138 | 1262480 | 71.19% | 8.923% |
| 85 | 12.716 | 3535 | 3538 | 3542 | rBV2 | 658 | 384 | 0.02% | 0.003% |
| 86 | 12.761 | 3547 | 3552 | 3555 | rBV3 | 670 | 622 | 0.04% | 0.004% |
| 87 | 13.066 | 3645 | 3647 | 3650 | rVB2 | 685 | 348 | 0.02% | 0.002% |
| 88 | 13.128 | 3664 | 3666 | 3670 | rBV2 | 473 | 315 | 0.02% | 0.002% |
| 89 | 13.198 | 3685 | 3688 | 3691 | rVB3 | 536 | 307 | 0.02% | 0.002% |
| 90 | 13.214 | 3691 | 3693 | 3697 | rBV3 | 538 | 509 | 0.03% | 0.004% |
| 91 | 13.243 | 3697 | 3702 | 3707 | rVB4 | 966 | 1269 | 0.07% | 0.009% |
| 92 | 13.529 | 3789 | 3791 | 3796 | rVB2 | 594 | 301 | 0.02% | 0.002% |
| 93 | 13.867 | 3890 | 3896 | 3898 | rBV4 | 1383 | 1374 | 0.08% | 0.010% |
| 94 | 13.938 | 3916 | 3918 | 3920 | rBV | 500 | 273 | 0.02% | 0.002% |
| 95 | 14.002 | 3935 | 3938 | 3941 | rBV2 | 693 | 524 | 0.03% | 0.004% |
| 96 | 14.070 | 3958 | 3959 | 3961 | rBV | 497 | 284 | 0.02% | 0.002% |
| 97 | 14.230 | 4007 | 4009 | 4014 | rBV | 623 | 383 | 0.02% | 0.003% |
| 98 | 14.417 | 4064 | 4067 | 4068 | rBV | 1013 | 548 | 0.03% | 0.004% |
| 99 | 14.497 | 4090 | 4092 | 4095 | rVB2 | 958 | 538 | 0.03% | 0.004% |
| 100 | 15.787 | 4491 | 4493 | 4495 | rBV2 | 1226 | 681 | 0.04% | 0.005% |

Sum of corrected areas: 14148056

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031220\
Data File : VU037234.D
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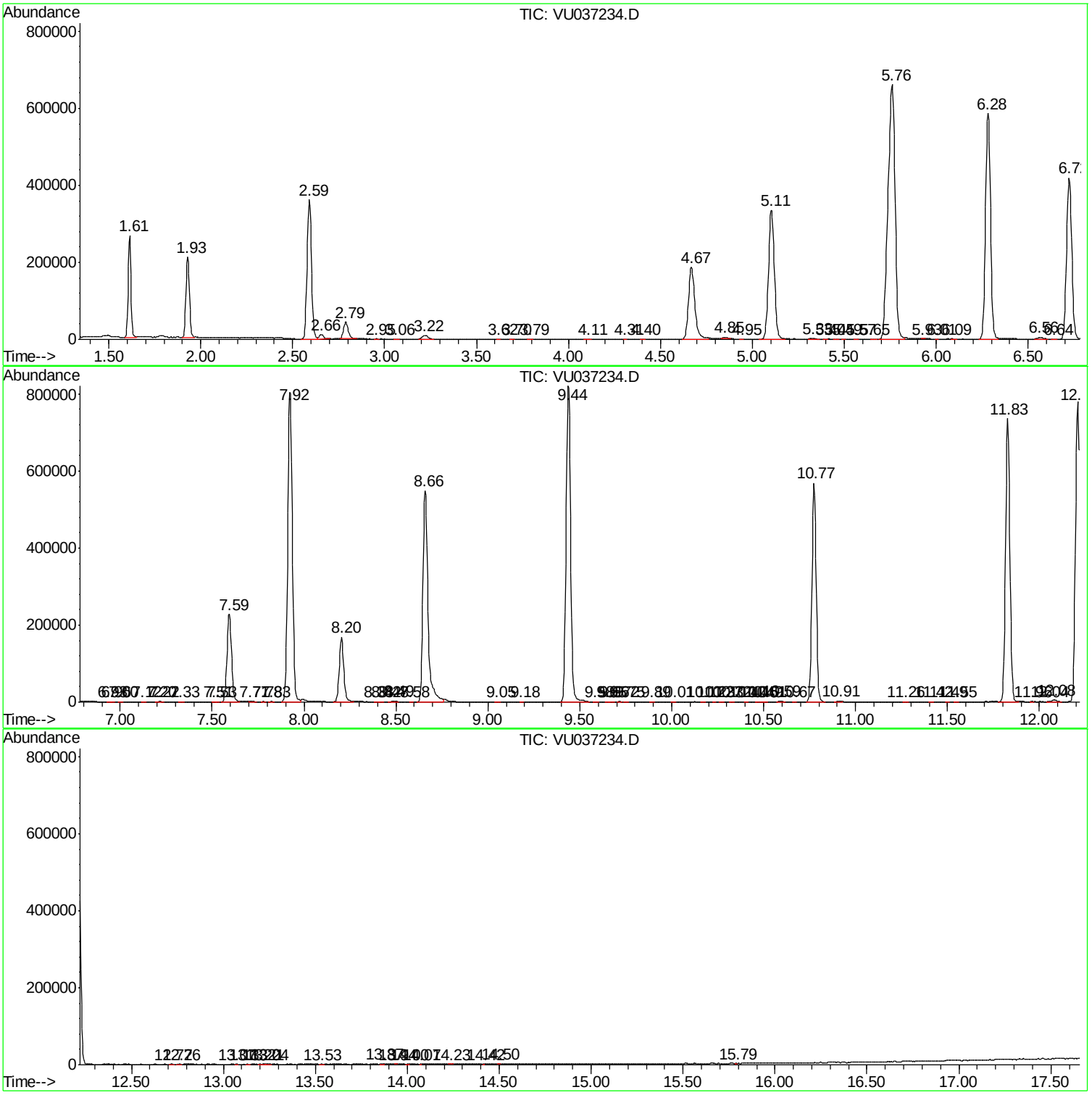
Operator : JC/MD
Sample : L1835-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 54 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0DM5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031220WMA.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\VU031220\
Data File : VU037234.D
Acq On : 13 Mar 2020 11:17
Operator : JC/MD
Sample : L1835-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 54 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0DM5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031220WMA.M
Quant Title : VOC Analysis

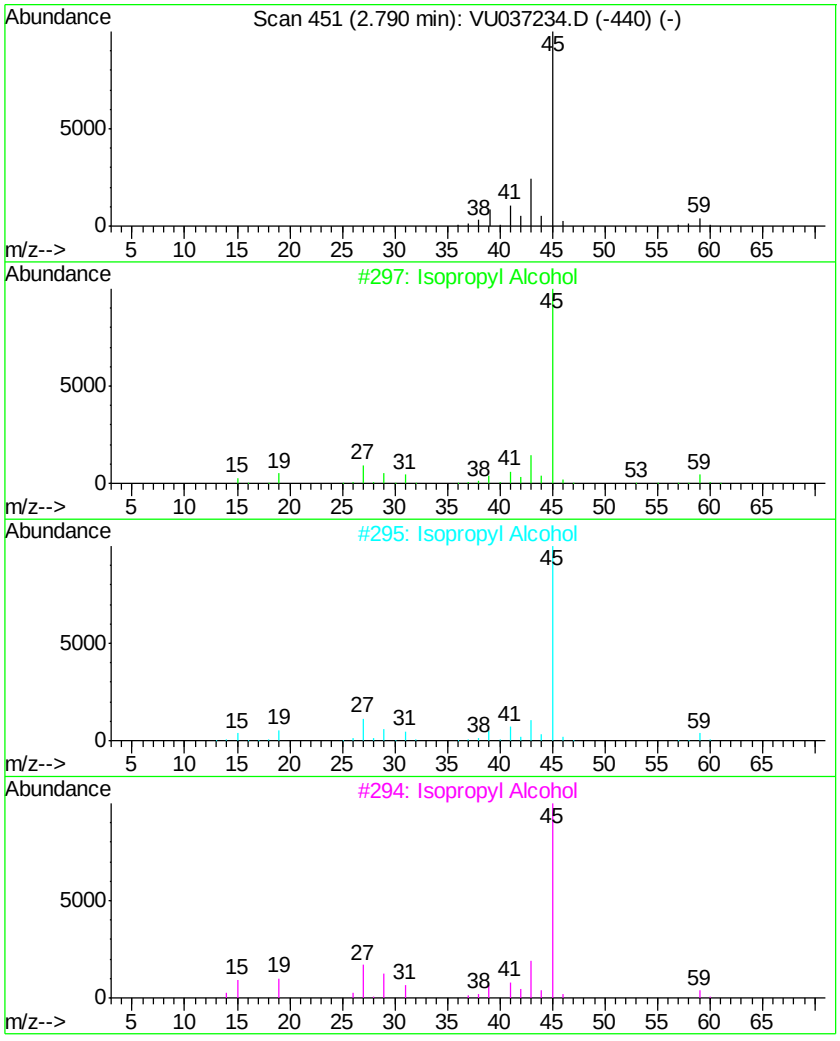
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

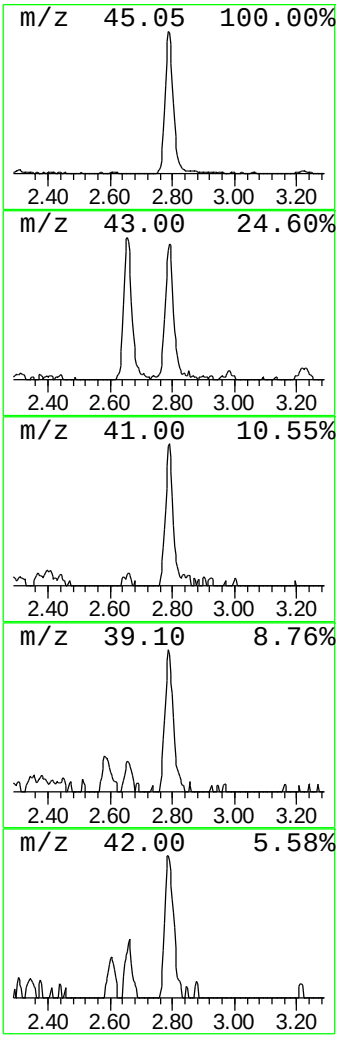
**********

Peak Number 1 Isopropyl Alcohol Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.79 | 3.61 ug/L | 79341 | 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 | 78 |
| 4 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 56 |
| 5 | Hydrazine, ethyl- | 60 | C2H8N2 | 000624-80-6 | 40 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031220\
Data File : VU037234.D
Acq On : 13 Mar 2020 11:17
Operator : JC/MD
Sample : L1835-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 54 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0DM5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031220WMA.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 | 3.6 | ug/L | 79341 | 1 | 6.28 | 1099710 | 50.0 |