

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091619\  
 Data File : VU034599.D  
 Acq On : 17 Sep 2019 05:28  
 Operator : JC/SP  
 Sample : K4894-03  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COMQ2

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091619WMA.M  
 Title : VOC Analysis

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.177       | 23            | 27          | 33           | rVB4     | 4288           | 4229          | 0.51%           | 0.059%        |
| 2         | 1.392       | 88            | 94          | 105          | rBV      | 86263          | 90676         | 10.90%          | 1.274%        |
| 3         | 1.672       | 174           | 181         | 194          | rBV      | 75042          | 92427         | 11.11%          | 1.299%        |
| 4         | 2.257       | 355           | 363         | 375          | rVB      | 157222         | 243175        | 29.24%          | 3.418%        |
| 5         | 2.428       | 405           | 416         | 438          | rBV      | 48168          | 88654         | 10.66%          | 1.246%        |
| 6         | 2.656       | 485           | 487         | 492          | rVB5     | 587            | 416           | 0.05%           | 0.006%        |
| 7         | 2.817       | 525           | 537         | 539          | rBV5     | 6449           | 8918          | 1.07%           | 0.125%        |
| 8         | 2.887       | 556           | 559         | 569          | rBV7     | 1059           | 1198          | 0.14%           | 0.017%        |
| 9         | 3.093       | 619           | 623         | 625          | rVB4     | 479            | 375           | 0.05%           | 0.005%        |
| 10        | 3.125       | 631           | 633         | 636          | rVB3     | 772            | 478           | 0.06%           | 0.007%        |
| 11        | 3.167       | 641           | 646         | 647          | rBV2     | 654            | 448           | 0.05%           | 0.006%        |
| 12        | 3.270       | 674           | 678         | 682          | rVB3     | 623            | 512           | 0.06%           | 0.007%        |
| 13        | 3.357       | 700           | 705         | 708          | rBV4     | 1012           | 898           | 0.11%           | 0.013%        |
| 14        | 3.537       | 757           | 761         | 764          | rVB3     | 529            | 438           | 0.05%           | 0.006%        |
| 15        | 3.640       | 790           | 793         | 796          | rVB3     | 478            | 394           | 0.05%           | 0.006%        |
| 16        | 3.662       | 796           | 800         | 803          | rBV4     | 584            | 490           | 0.06%           | 0.007%        |
| 17        | 3.733       | 814           | 822         | 825          | rBV3     | 617            | 674           | 0.08%           | 0.009%        |
| 18        | 3.762       | 828           | 831         | 836          | rVB3     | 543            | 481           | 0.06%           | 0.007%        |
| 19        | 4.154       | 941           | 953         | 989          | rBV2     | 89129          | 258115        | 31.03%          | 3.628%        |
| 20        | 4.453       | 1043          | 1046        | 1048         | rBV3     | 605            | 379           | 0.05%           | 0.005%        |
| 21        | 4.466       | 1048          | 1050        | 1052         | rVV2     | 630            | 392           | 0.05%           | 0.006%        |
| 22        | 4.527       | 1065          | 1069        | 1071         | rBV3     | 464            | 382           | 0.05%           | 0.005%        |
| 23        | 4.624       | 1080          | 1099        | 1117         | rBV      | 141615         | 346663        | 41.68%          | 4.872%        |
| 24        | 5.019       | 1219          | 1222        | 1226         | rVB2     | 749            | 554           | 0.07%           | 0.008%        |
| 25        | 5.042       | 1226          | 1229        | 1234         | rVB2     | 803            | 485           | 0.06%           | 0.007%        |
| 26        | 5.225       | 1280          | 1286        | 1288         | rBV4     | 657            | 513           | 0.06%           | 0.007%        |
| 27        | 5.318       | 1291          | 1315        | 1338         | rBV2     | 276188         | 831734        | 100.00%         | 11.690%       |
| 28        | 5.617       | 1406          | 1408        | 1414         | rVB5     | 648            | 418           | 0.05%           | 0.006%        |
| 29        | 5.781       | 1455          | 1459        | 1467         | rVB5     | 796            | 948           | 0.11%           | 0.013%        |
| 30        | 5.865       | 1471          | 1485        | 1515         | rBV      | 299745         | 608211        | 73.13%          | 8.548%        |
| 31        | 6.309       | 1610          | 1623        | 1644         | rBV3     | 202250         | 408601        | 49.13%          | 5.743%        |
| 32        | 6.640       | 1723          | 1726        | 1729         | rBV4     | 599            | 435           | 0.05%           | 0.006%        |
| 33        | 6.746       | 1757          | 1759        | 1767         | rVB4     | 861            | 851           | 0.10%           | 0.012%        |
| 34        | 6.788       | 1767          | 1772        | 1774         | rBV4     | 505            | 528           | 0.06%           | 0.007%        |

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091619WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 35 | 6.826  | 1781 | 1784 | 1786 | rBV3 | 840    | 548    | 0.07%  | 0.008%  |
| 36 | 6.846  | 1786 | 1790 | 1798 | rVB5 | 1450   | 1694   | 0.20%  | 0.024%  |
| 37 | 6.916  | 1810 | 1812 | 1817 | rBV4 | 490    | 394    | 0.05%  | 0.006%  |
| 38 | 7.013  | 1839 | 1842 | 1849 | rBV6 | 931    | 978    | 0.12%  | 0.014%  |
| 39 | 7.064  | 1856 | 1858 | 1862 | rBV4 | 740    | 587    | 0.07%  | 0.008%  |
| 40 | 7.206  | 1890 | 1902 | 1921 | rBV2 | 106989 | 209514 | 25.19% | 2.945%  |
| 41 | 7.543  | 1995 | 2007 | 2035 | rBV  | 380262 | 678907 | 81.63% | 9.542%  |
| 42 | 7.829  | 2085 | 2096 | 2121 | rVV2 | 76073  | 141362 | 17.00% | 1.987%  |
| 43 | 8.051  | 2163 | 2165 | 2168 | rVB3 | 745    | 379    | 0.05%  | 0.005%  |
| 44 | 8.083  | 2170 | 2175 | 2182 | rBV7 | 1150   | 1674   | 0.20%  | 0.024%  |
| 45 | 8.119  | 2182 | 2186 | 2187 | rBV3 | 896    | 585    | 0.07%  | 0.008%  |
| 46 | 8.151  | 2192 | 2196 | 2197 | rBV3 | 1019   | 655    | 0.08%  | 0.009%  |
| 47 | 8.289  | 2228 | 2239 | 2265 | rBV  | 274719 | 536878 | 64.55% | 7.546%  |
| 48 | 8.620  | 2340 | 2342 | 2345 | rVB5 | 780    | 461    | 0.06%  | 0.006%  |
| 49 | 8.653  | 2350 | 2352 | 2359 | rVB3 | 898    | 631    | 0.08%  | 0.009%  |
| 50 | 8.688  | 2359 | 2363 | 2366 | rBV4 | 792    | 735    | 0.09%  | 0.010%  |
| 51 | 8.726  | 2373 | 2375 | 2381 | rBV4 | 565    | 588    | 0.07%  | 0.008%  |
| 52 | 8.759  | 2381 | 2385 | 2387 | rBV3 | 554    | 427    | 0.05%  | 0.006%  |
| 53 | 9.067  | 2469 | 2481 | 2509 | rBV  | 439183 | 757120 | 91.03% | 10.641% |
| 54 | 9.292  | 2549 | 2551 | 2556 | rVB5 | 642    | 501    | 0.06%  | 0.007%  |
| 55 | 9.607  | 2646 | 2649 | 2652 | rBV3 | 693    | 565    | 0.07%  | 0.008%  |
| 56 | 9.743  | 2687 | 2691 | 2695 | rVB3 | 604    | 600    | 0.07%  | 0.008%  |
| 57 | 9.762  | 2695 | 2697 | 2702 | rBV3 | 450    | 427    | 0.05%  | 0.006%  |
| 58 | 10.035 | 2779 | 2782 | 2786 | rVB4 | 660    | 593    | 0.07%  | 0.008%  |
| 59 | 10.408 | 2886 | 2898 | 2920 | rVV  | 299724 | 494114 | 59.41% | 6.945%  |
| 60 | 10.540 | 2936 | 2939 | 2941 | rBV2 | 652    | 440    | 0.05%  | 0.006%  |
| 61 | 10.595 | 2952 | 2956 | 2960 | rVB4 | 795    | 647    | 0.08%  | 0.009%  |
| 62 | 10.646 | 2965 | 2972 | 2974 | rBV4 | 684    | 967    | 0.12%  | 0.014%  |
| 63 | 10.681 | 2979 | 2983 | 2986 | rBV2 | 939    | 625    | 0.08%  | 0.009%  |
| 64 | 10.701 | 2986 | 2989 | 2992 | rVB3 | 805    | 498    | 0.06%  | 0.007%  |
| 65 | 10.720 | 2992 | 2995 | 2997 | rBV3 | 617    | 384    | 0.05%  | 0.005%  |
| 66 | 11.016 | 3084 | 3087 | 3091 | rBV4 | 826    | 800    | 0.10%  | 0.011%  |
| 67 | 11.058 | 3096 | 3100 | 3104 | rVV3 | 774    | 766    | 0.09%  | 0.011%  |
| 68 | 11.109 | 3113 | 3116 | 3119 | rVV3 | 616    | 421    | 0.05%  | 0.006%  |
| 69 | 11.141 | 3124 | 3126 | 3130 | rVV4 | 645    | 429    | 0.05%  | 0.006%  |
| 70 | 11.193 | 3139 | 3142 | 3146 | rVB2 | 578    | 440    | 0.05%  | 0.006%  |
| 71 | 11.218 | 3146 | 3150 | 3158 | rVB4 | 630    | 902    | 0.11%  | 0.013%  |

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 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091619WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 11.257 | 3158 | 3162 | 3164 | rBV4 | 572    | 423    | 0.05%  | 0.006% |
| 73  | 11.459 | 3214 | 3225 | 3245 | rBV  | 383374 | 647605 | 77.86% | 9.102% |
| 74  | 11.781 | 3321 | 3325 | 3327 | rBV4 | 800    | 521    | 0.06%  | 0.007% |
| 75  | 11.836 | 3330 | 3342 | 3365 | rBV  | 374072 | 619976 | 74.54% | 8.714% |
| 76  | 12.025 | 3398 | 3401 | 3403 | rBV3 | 1011   | 705    | 0.08%  | 0.010% |
| 77  | 12.138 | 3433 | 3436 | 3438 | rBV3 | 953    | 651    | 0.08%  | 0.009% |
| 78  | 12.402 | 3515 | 3518 | 3520 | rBV3 | 978    | 482    | 0.06%  | 0.007% |
| 79  | 12.466 | 3536 | 3538 | 3541 | rVB3 | 816    | 428    | 0.05%  | 0.006% |
| 80  | 12.492 | 3541 | 3546 | 3549 | rBV3 | 642    | 569    | 0.07%  | 0.008% |
| 81  | 12.527 | 3554 | 3557 | 3560 | rBV4 | 438    | 420    | 0.05%  | 0.006% |
| 82  | 12.543 | 3560 | 3562 | 3567 | rVB2 | 610    | 392    | 0.05%  | 0.006% |
| 83  | 12.758 | 3626 | 3629 | 3635 | rVB6 | 1249   | 968    | 0.12%  | 0.014% |
| 84  | 12.855 | 3654 | 3659 | 3661 | rBV4 | 697    | 704    | 0.08%  | 0.010% |
| 85  | 12.922 | 3676 | 3680 | 3683 | rVB5 | 802    | 635    | 0.08%  | 0.009% |
| 86  | 12.948 | 3684 | 3688 | 3694 | rBV5 | 661    | 778    | 0.09%  | 0.011% |
| 87  | 13.080 | 3726 | 3729 | 3734 | rVB2 | 797    | 591    | 0.07%  | 0.008% |
| 88  | 13.106 | 3734 | 3737 | 3741 | rBV3 | 738    | 553    | 0.07%  | 0.008% |
| 89  | 13.295 | 3793 | 3796 | 3799 | rBV3 | 543    | 437    | 0.05%  | 0.006% |
| 90  | 13.459 | 3845 | 3847 | 3851 | rVB2 | 607    | 382    | 0.05%  | 0.005% |
| 91  | 13.639 | 3898 | 3903 | 3904 | rBV2 | 797    | 476    | 0.06%  | 0.007% |
| 92  | 13.775 | 3943 | 3945 | 3950 | rBV5 | 682    | 669    | 0.08%  | 0.009% |
| 93  | 14.115 | 4049 | 4051 | 4054 | rBV3 | 843    | 480    | 0.06%  | 0.007% |
| 94  | 14.218 | 4080 | 4083 | 4085 | rBV2 | 706    | 520    | 0.06%  | 0.007% |
| 95  | 14.308 | 4104 | 4111 | 4113 | rBV5 | 795    | 802    | 0.10%  | 0.011% |
| 96  | 14.424 | 4145 | 4147 | 4151 | rBV3 | 580    | 501    | 0.06%  | 0.007% |
| 97  | 14.443 | 4151 | 4153 | 4158 | rVV3 | 868    | 634    | 0.08%  | 0.009% |
| 98  | 14.900 | 4292 | 4295 | 4300 | rVB6 | 721    | 515    | 0.06%  | 0.007% |
| 99  | 15.096 | 4354 | 4356 | 4359 | rBV2 | 782    | 427    | 0.05%  | 0.006% |
| 100 | 15.270 | 4407 | 4410 | 4411 | rBV4 | 928    | 524    | 0.06%  | 0.007% |

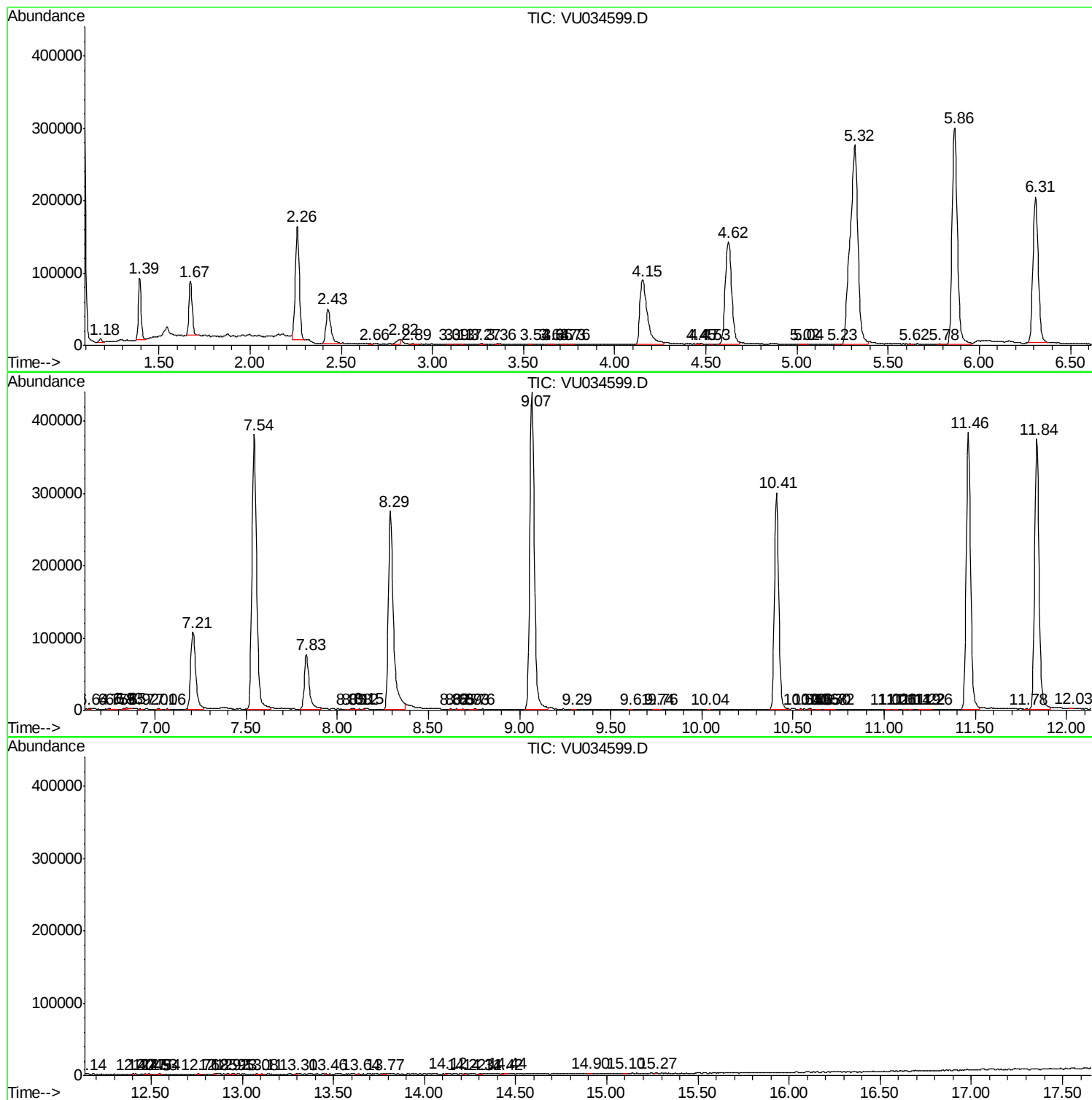
Sum of corrected areas: 7115094

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091619WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU091619\  
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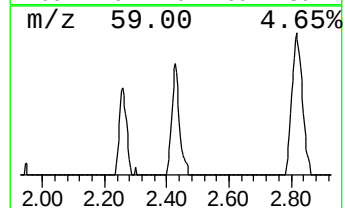
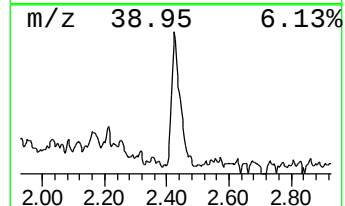
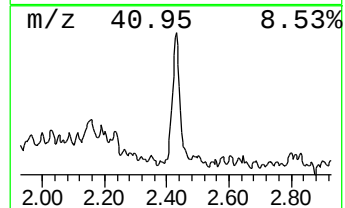
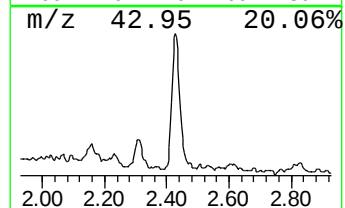
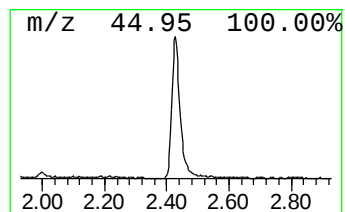
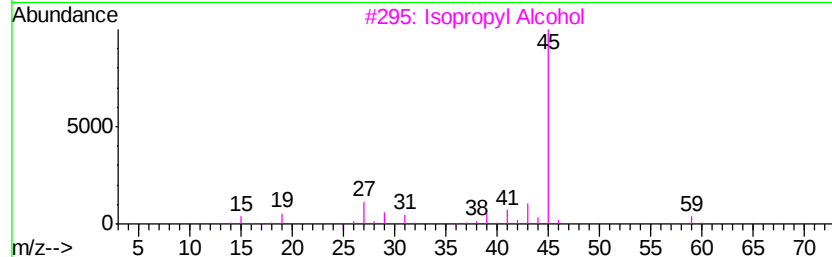
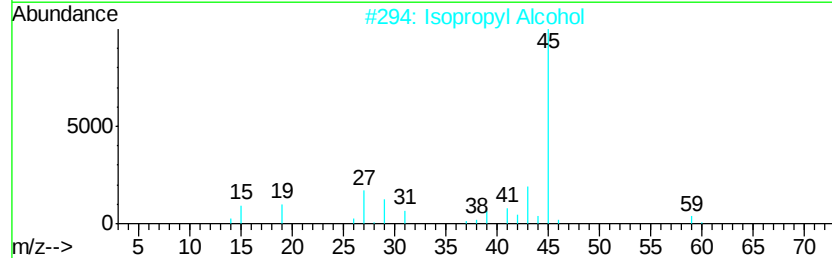
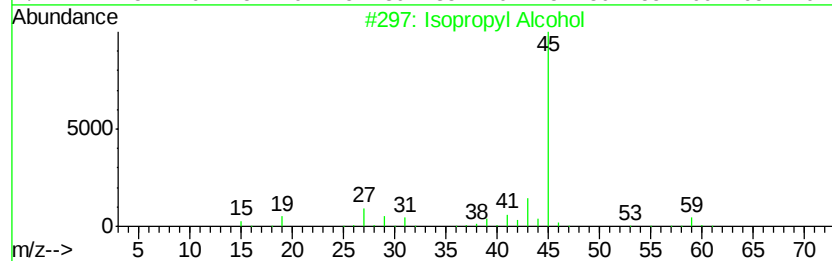
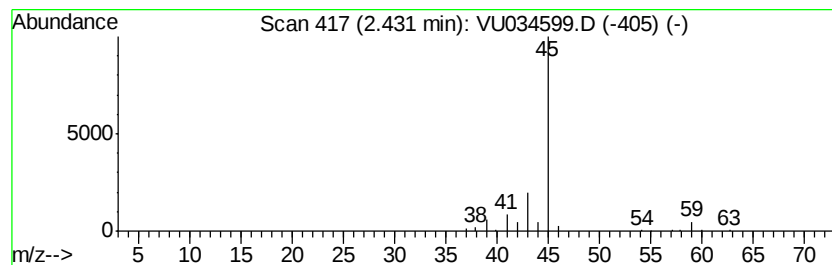
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091619WMA.M  
Quant Title : VOC Analysis

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. |
|------|-----------|-------|---------------------|------|
| 2.43 | 7.29 ug/L | 88654 | 1,4-Difluorobenzene | 5.86 |

| Hit# | of | 5 | Tentative ID      | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------|----|---------|-------------|------|
| 1    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 90   |
| 2    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 78   |
| 3    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 78   |
| 4    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 56   |
| 5    |    |   | Formamide         | 45 | CH3NO   | 000075-12-7 | 5    |



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| TIC Top Hit name  | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|-------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                   |      |         |       |          | #                     | RT   | Resp   | Conc |
| Isopropyl Alcohol | 2.43 | 7.3     | ug/L  | 88654    | 1                     | 5.86 | 608211 | 50.0 |