

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU033019\  
 Data File : VU030551.D  
 Acq On : 29 Mar 2019 18:56  
 Operator : JC/SP  
 Sample : K2166-18  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF1G2

## 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\SOMULM032319WMA.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      | 1.183    | 24         | 29       | 39        | rBV2  | 16857       | 17052      | 1.02%        | 0.134%     |
| 2      | 1.331    | 70         | 75       | 81        | rVB   | 10910       | 10615      | 0.63%        | 0.083%     |
| 3      | 1.399    | 89         | 96       | 109       | rBV   | 226380      | 231366     | 13.83%       | 1.814%     |
| 4      | 1.675    | 174        | 182      | 196       | rVB   | 171264      | 223664     | 13.37%       | 1.753%     |
| 5      | 2.270    | 356        | 367      | 378       | rBV   | 356275      | 545061     | 32.59%       | 4.273%     |
| 6      | 2.450    | 413        | 423      | 445       | rVV   | 46440       | 85029      | 5.08%        | 0.667%     |
| 7      | 2.614    | 471        | 474      | 478       | rBV3  | 526         | 468        | 0.03%        | 0.004%     |
| 8      | 2.698    | 493        | 500      | 513       | rVB3  | 4510        | 7991       | 0.48%        | 0.063%     |
| 9      | 2.833    | 534        | 542      | 545       | rBV5  | 2338        | 3117       | 0.19%        | 0.024%     |
| 10     | 2.974    | 583        | 586      | 594       | rVB2  | 376         | 365        | 0.02%        | 0.003%     |
| 11     | 3.241    | 666        | 669      | 676       | rVB3  | 459         | 402        | 0.02%        | 0.003%     |
| 12     | 3.341    | 694        | 700      | 703       | rBV2  | 442         | 408        | 0.02%        | 0.003%     |
| 13     | 3.386    | 709        | 714      | 716       | rBV2  | 646         | 426        | 0.03%        | 0.003%     |
| 14     | 3.453    | 731        | 735      | 738       | rVB2  | 566         | 398        | 0.02%        | 0.003%     |
| 15     | 3.563    | 767        | 769      | 775       | rVB2  | 448         | 446        | 0.03%        | 0.003%     |
| 16     | 3.659    | 794        | 799      | 803       | rVV2  | 334         | 394        | 0.02%        | 0.003%     |
| 17     | 3.948    | 886        | 889      | 895       | rVB   | 442         | 365        | 0.02%        | 0.003%     |
| 18     | 4.177    | 948        | 960      | 995       | rBV   | 172773      | 471704     | 28.21%       | 3.698%     |
| 19     | 4.646    | 1088       | 1106     | 1132      | rBV   | 275270      | 666107     | 39.83%       | 5.222%     |
| 20     | 4.842    | 1164       | 1167     | 1170      | rBV2  | 597         | 400        | 0.02%        | 0.003%     |
| 21     | 4.881    | 1177       | 1179     | 1182      | rBV4  | 500         | 406        | 0.02%        | 0.003%     |
| 22     | 4.961    | 1200       | 1204     | 1208      | rVB2  | 694         | 580        | 0.03%        | 0.005%     |
| 23     | 4.987    | 1208       | 1212     | 1214      | rBV3  | 562         | 439        | 0.03%        | 0.003%     |
| 24     | 5.016    | 1218       | 1221     | 1226      | rBV   | 539         | 406        | 0.02%        | 0.003%     |
| 25     | 5.115    | 1249       | 1252     | 1257      | rVB3  | 497         | 430        | 0.03%        | 0.003%     |
| 26     | 5.209    | 1274       | 1281     | 1286      | rBV2  | 437         | 438        | 0.03%        | 0.003%     |
| 27     | 5.337    | 1297       | 1321     | 1358      | rBV2  | 550455      | 1672383    | 100.00%      | 13.110%    |
| 28     | 5.669    | 1422       | 1424     | 1427      | rVB   | 629         | 361        | 0.02%        | 0.003%     |
| 29     | 5.717    | 1437       | 1439     | 1444      | rBV2  | 674         | 577        | 0.03%        | 0.005%     |
| 30     | 5.746    | 1444       | 1448     | 1449      | rBV   | 650         | 486        | 0.03%        | 0.004%     |
| 31     | 5.884    | 1478       | 1491     | 1514      | rBV   | 506328      | 1025497    | 61.32%       | 8.039%     |
| 32     | 6.177    | 1579       | 1582     | 1591      | rVB4  | 963         | 793        | 0.05%        | 0.006%     |
| 33     | 6.241    | 1600       | 1602     | 1605      | rVB3  | 511         | 318        | 0.02%        | 0.002%     |
| 34     | 6.267    | 1605       | 1610     | 1613      | rVB3  | 650         | 671        | 0.04%        | 0.005%     |

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 6.328  | 1613 | 1629 | 1663 | rBV  | 385249 | 797234  | 47.67% | 6.250% |
| 36 | 6.562  | 1699 | 1702 | 1703 | rBV2 | 602    | 329     | 0.02%  | 0.003% |
| 37 | 6.572  | 1703 | 1705 | 1708 | rVV3 | 644    | 450     | 0.03%  | 0.004% |
| 38 | 6.601  | 1712 | 1714 | 1718 | rBV2 | 540    | 354     | 0.02%  | 0.003% |
| 39 | 6.839  | 1786 | 1788 | 1792 | rVB3 | 640    | 385     | 0.02%  | 0.003% |
| 40 | 6.877  | 1795 | 1800 | 1803 | rVV5 | 832    | 966     | 0.06%  | 0.008% |
| 41 | 6.900  | 1805 | 1807 | 1812 | rVV3 | 967    | 684     | 0.04%  | 0.005% |
| 42 | 6.964  | 1824 | 1827 | 1831 | rVB3 | 512    | 353     | 0.02%  | 0.003% |
| 43 | 7.128  | 1873 | 1878 | 1881 | rBV3 | 428    | 358     | 0.02%  | 0.003% |
| 44 | 7.225  | 1896 | 1908 | 1937 | rBV  | 195274 | 370406  | 22.15% | 2.904% |
| 45 | 7.434  | 1970 | 1973 | 1976 | rBV2 | 563    | 368     | 0.02%  | 0.003% |
| 46 | 7.488  | 1988 | 1990 | 1996 | rVB3 | 504    | 470     | 0.03%  | 0.004% |
| 47 | 7.562  | 1999 | 2013 | 2044 | rBV  | 658578 | 1196495 | 71.54% | 9.380% |
| 48 | 7.849  | 2089 | 2102 | 2130 | rBV  | 136560 | 249812  | 14.94% | 1.958% |
| 49 | 8.173  | 2200 | 2203 | 2212 | rVB5 | 1726   | 2192    | 0.13%  | 0.017% |
| 50 | 8.308  | 2234 | 2245 | 2282 | rBV  | 550112 | 1043841 | 62.42% | 8.183% |
| 51 | 8.636  | 2341 | 2347 | 2348 | rBV3 | 670    | 697     | 0.04%  | 0.005% |
| 52 | 8.678  | 2353 | 2360 | 2372 | rVB7 | 4144   | 6773    | 0.40%  | 0.053% |
| 53 | 8.755  | 2382 | 2384 | 2389 | rVB4 | 662    | 408     | 0.02%  | 0.003% |
| 54 | 8.794  | 2393 | 2396 | 2402 | rBV4 | 534    | 695     | 0.04%  | 0.005% |
| 55 | 9.086  | 2474 | 2487 | 2521 | rBV  | 752612 | 1274329 | 76.20% | 9.990% |
| 56 | 9.328  | 2560 | 2562 | 2569 | rVB5 | 613    | 543     | 0.03%  | 0.004% |
| 57 | 9.385  | 2578 | 2580 | 2588 | rVV5 | 848    | 642     | 0.04%  | 0.005% |
| 58 | 9.479  | 2605 | 2609 | 2614 | rBV2 | 398    | 453     | 0.03%  | 0.004% |
| 59 | 9.504  | 2614 | 2617 | 2621 | rVV2 | 469    | 317     | 0.02%  | 0.002% |
| 60 | 9.578  | 2636 | 2640 | 2645 | rVB3 | 372    | 397     | 0.02%  | 0.003% |
| 61 | 9.611  | 2645 | 2650 | 2654 | rBV3 | 362    | 407     | 0.02%  | 0.003% |
| 62 | 9.688  | 2667 | 2674 | 2677 | rBV3 | 644    | 728     | 0.04%  | 0.006% |
| 63 | 9.733  | 2684 | 2688 | 2693 | rVV2 | 402    | 433     | 0.03%  | 0.003% |
| 64 | 9.855  | 2722 | 2726 | 2728 | rBV2 | 399    | 314     | 0.02%  | 0.002% |
| 65 | 9.871  | 2729 | 2731 | 2735 | rVV2 | 475    | 364     | 0.02%  | 0.003% |
| 66 | 10.106 | 2799 | 2804 | 2812 | rVB3 | 519    | 768     | 0.05%  | 0.006% |
| 67 | 10.164 | 2816 | 2822 | 2825 | rBV3 | 376    | 435     | 0.03%  | 0.003% |
| 68 | 10.276 | 2847 | 2857 | 2861 | rBV3 | 696    | 1168    | 0.07%  | 0.009% |
| 69 | 10.382 | 2886 | 2890 | 2892 | rBV2 | 489    | 375     | 0.02%  | 0.003% |
| 70 | 10.427 | 2892 | 2904 | 2926 | rBV  | 510815 | 848549  | 50.74% | 6.652% |
| 71 | 10.610 | 2951 | 2961 | 2968 | rBV5 | 2389   | 3924    | 0.23%  | 0.031% |

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 ClientSampleId :  
 BF1G2

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 Start Thrs: 0.2  
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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\SOMULM032319WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 10.643 | 2968 | 2971 | 2975 | rVB  | 496    | 354    | 0.02%  | 0.003% |
| 73  | 10.762 | 3005 | 3008 | 3011 | rVB3 | 601    | 368    | 0.02%  | 0.003% |
| 74  | 10.832 | 3025 | 3030 | 3035 | rVB2 | 365    | 385    | 0.02%  | 0.003% |
| 75  | 10.864 | 3037 | 3040 | 3046 | rBV  | 388    | 373    | 0.02%  | 0.003% |
| 76  | 10.983 | 3073 | 3077 | 3081 | rBV2 | 618    | 433    | 0.03%  | 0.003% |
| 77  | 11.025 | 3087 | 3090 | 3099 | rVB2 | 573    | 740    | 0.04%  | 0.006% |
| 78  | 11.080 | 3104 | 3107 | 3109 | rBV2 | 594    | 369    | 0.02%  | 0.003% |
| 79  | 11.131 | 3119 | 3123 | 3125 | rBV2 | 401    | 359    | 0.02%  | 0.003% |
| 80  | 11.273 | 3163 | 3167 | 3170 | rBV2 | 408    | 358    | 0.02%  | 0.003% |
| 81  | 11.363 | 3192 | 3195 | 3201 | rBV2 | 380    | 423    | 0.03%  | 0.003% |
| 82  | 11.482 | 3219 | 3232 | 3258 | rBV  | 581981 | 982090 | 58.72% | 7.699% |
| 83  | 11.745 | 3309 | 3314 | 3316 | rBV3 | 621    | 658    | 0.04%  | 0.005% |
| 84  | 11.858 | 3335 | 3349 | 3372 | rBV  | 581330 | 979973 | 58.60% | 7.682% |
| 85  | 12.170 | 3443 | 3446 | 3450 | rBV2 | 704    | 489    | 0.03%  | 0.004% |
| 86  | 12.363 | 3503 | 3506 | 3508 | rVB2 | 493    | 332    | 0.02%  | 0.003% |
| 87  | 12.379 | 3508 | 3511 | 3514 | rBV  | 490    | 335    | 0.02%  | 0.003% |
| 88  | 12.520 | 3551 | 3555 | 3560 | rBV2 | 493    | 574    | 0.03%  | 0.004% |
| 89  | 12.842 | 3647 | 3655 | 3663 | rBV3 | 679    | 1298   | 0.08%  | 0.010% |
| 90  | 12.938 | 3681 | 3685 | 3689 | rBV2 | 533    | 441    | 0.03%  | 0.003% |
| 91  | 13.434 | 3836 | 3839 | 3842 | rVB2 | 588    | 334    | 0.02%  | 0.003% |
| 92  | 13.594 | 3886 | 3889 | 3891 | rBV2 | 584    | 433    | 0.03%  | 0.003% |
| 93  | 13.774 | 3941 | 3945 | 3949 | rBV2 | 2557   | 2583   | 0.15%  | 0.020% |
| 94  | 13.842 | 3963 | 3966 | 3969 | rVB3 | 1312   | 824    | 0.05%  | 0.006% |
| 95  | 13.903 | 3982 | 3985 | 3991 | rVB  | 1454   | 1501   | 0.09%  | 0.012% |
| 96  | 13.932 | 3991 | 3994 | 3998 | rVB  | 1862   | 1165   | 0.07%  | 0.009% |
| 97  | 14.057 | 4030 | 4033 | 4036 | rBV2 | 984    | 710    | 0.04%  | 0.006% |
| 98  | 14.160 | 4062 | 4065 | 4068 | rVB2 | 931    | 517    | 0.03%  | 0.004% |
| 99  | 14.398 | 4136 | 4139 | 4142 | rBV2 | 781    | 491    | 0.03%  | 0.004% |
| 100 | 14.556 | 4185 | 4188 | 4191 | rBV  | 649    | 437    | 0.03%  | 0.003% |

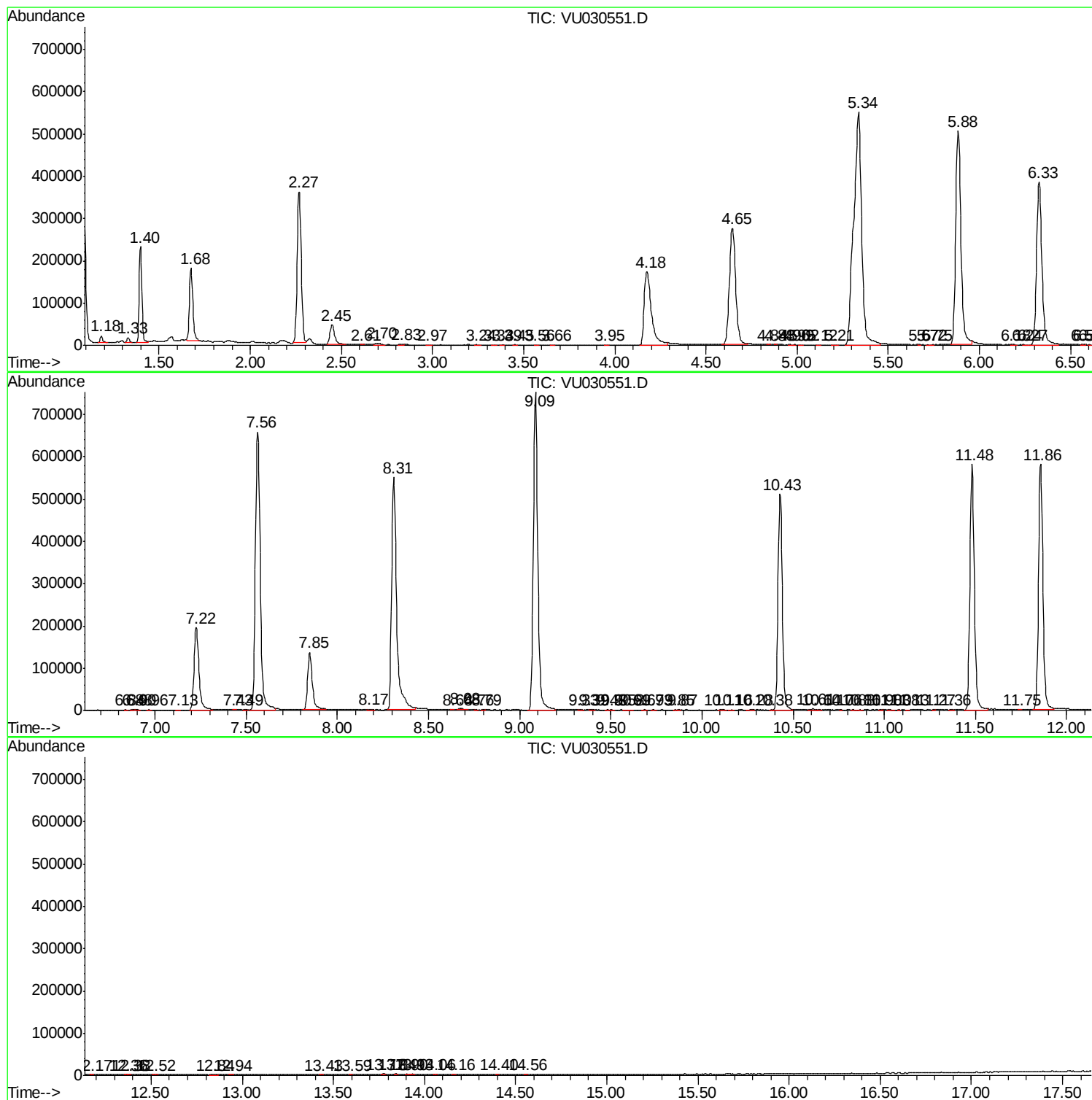
Sum of corrected areas: 12756326

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BF1G2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
Quant Title : VOC Analysis

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



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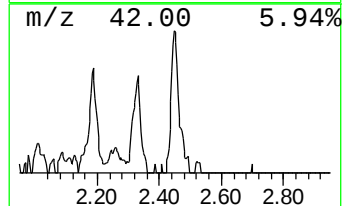
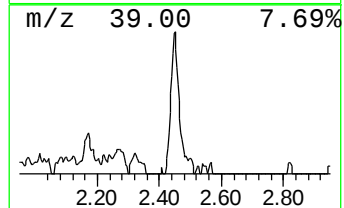
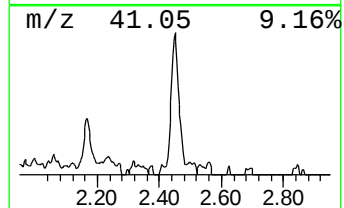
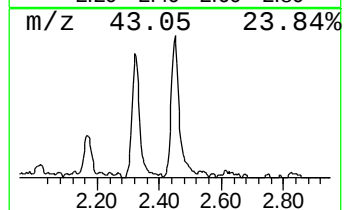
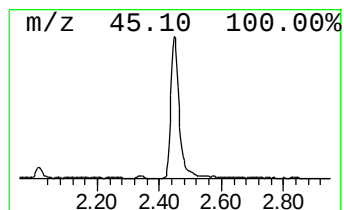
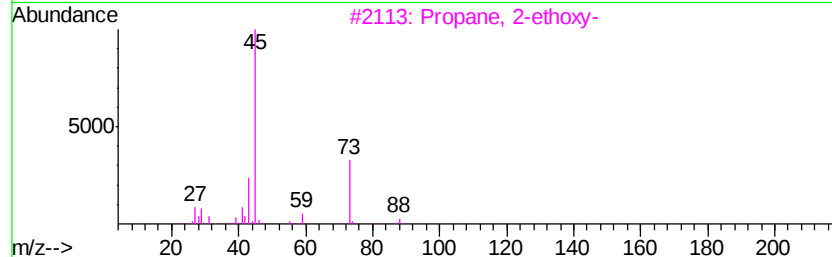
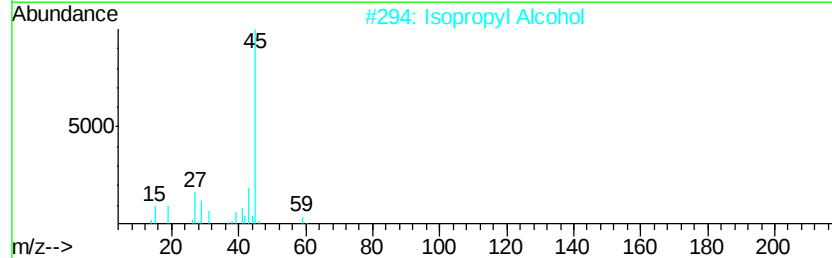
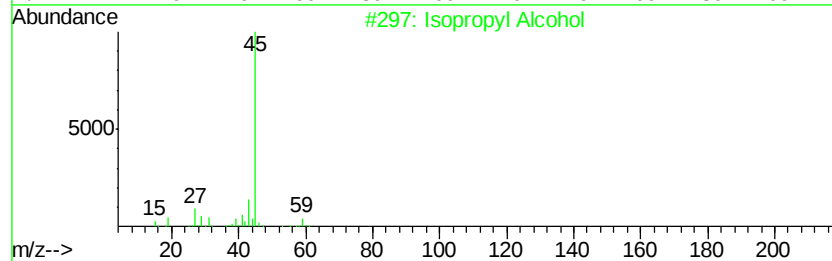
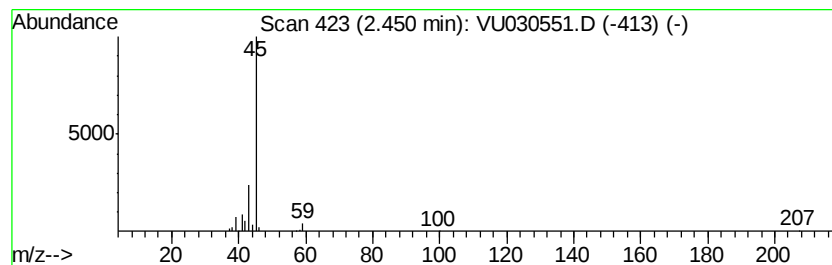
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
Quant Title : VOC Analysis

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. |
|------|-----------|-------|---------------------|------|
| 2.45 | 4.15 ug/L | 85029 | 1,4-Difluorobenzene | 5.88 |

| Hit# | of | Tentative ID                     | MW | MolForm | CAS#        | Qual |
|------|----|----------------------------------|----|---------|-------------|------|
| 1    | 5  | Isopropyl Alcohol                | 60 | C3H8O   | 000067-63-0 | 64   |
| 2    |    | Isopropyl Alcohol                | 60 | C3H8O   | 000067-63-0 | 64   |
| 3    |    | Propane, 2-ethoxy-               | 88 | C5H12O  | 000625-54-7 | 40   |
| 4    |    | Formic acid, 1-methylethyl ester | 88 | C4H8O2  | 000625-55-8 | 40   |
| 5    |    | Propane, 2-ethoxy-               | 88 | C5H12O  | 000625-54-7 | 40   |



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

| TIC Top Hit name  | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|-------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                   |      |         |       |          | #                     | RT   | Resp    | Conc |
| Isopropyl Alcohol | 2.45 | 4.2     | ug/L  | 85029    | 1                     | 5.88 | 1025500 | 50.0 |