

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061219\  
 Data File : VU032665.D  
 Acq On : 12 Jun 2019 20:20  
 Operator : JC/SP  
 Sample : K3313-07  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COLY7

## 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\SOMULM060619WMA.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         | 1.180       | 25            | 28          | 33           | rVB2     | 3599           | 2749          | 0.47%           | 0.056%        |
| 2         | 1.396       | 88            | 95          | 106          | rBV      | 83415          | 84337         | 14.28%          | 1.726%        |
| 3         | 1.676       | 175           | 182         | 196          | rVB      | 64132          | 78168         | 13.23%          | 1.600%        |
| 4         | 2.267       | 355           | 366         | 379          | rVB2     | 144270         | 226358        | 38.32%          | 4.633%        |
| 5         | 2.441       | 409           | 420         | 436          | rBV      | 27923          | 50743         | 8.59%           | 1.039%        |
| 6         | 2.721       | 504           | 507         | 510          | rBV2     | 377            | 280           | 0.05%           | 0.006%        |
| 7         | 2.775       | 522           | 524         | 528          | rVB3     | 253            | 169           | 0.03%           | 0.003%        |
| 8         | 2.836       | 532           | 543         | 555          | rVB3     | 2382           | 5146          | 0.87%           | 0.105%        |
| 9         | 3.177       | 645           | 649         | 651          | rBV      | 300            | 218           | 0.04%           | 0.004%        |
| 10        | 3.190       | 651           | 653         | 659          | rVB3     | 318            | 193           | 0.03%           | 0.004%        |
| 11        | 3.383       | 710           | 713         | 718          | rBV2     | 182            | 207           | 0.04%           | 0.004%        |
| 12        | 3.441       | 725           | 731         | 733          | rBV3     | 341            | 338           | 0.06%           | 0.007%        |
| 13        | 3.782       | 832           | 837         | 839          | rBV2     | 216            | 162           | 0.03%           | 0.003%        |
| 14        | 3.830       | 845           | 852         | 856          | rBV2     | 161            | 215           | 0.04%           | 0.004%        |
| 15        | 3.856       | 856           | 860         | 866          | rVV2     | 182            | 243           | 0.04%           | 0.005%        |
| 16        | 3.933       | 878           | 884         | 890          | rBV2     | 202            | 277           | 0.05%           | 0.006%        |
| 17        | 3.991       | 897           | 902         | 906          | rBV2     | 184            | 221           | 0.04%           | 0.005%        |
| 18        | 4.045       | 915           | 919         | 924          | rVB      | 222            | 191           | 0.03%           | 0.004%        |
| 19        | 4.100       | 933           | 936         | 940          | rVB      | 235            | 199           | 0.03%           | 0.004%        |
| 20        | 4.129       | 940           | 945         | 947          | rBV      | 166            | 163           | 0.03%           | 0.003%        |
| 21        | 4.171       | 947           | 958         | 996          | rBV      | 56108          | 171160        | 28.98%          | 3.503%        |
| 22        | 4.454       | 1043          | 1046        | 1051         | rVB2     | 291            | 226           | 0.04%           | 0.005%        |
| 23        | 4.479       | 1051          | 1054        | 1059         | rVB      | 291            | 246           | 0.04%           | 0.005%        |
| 24        | 4.643       | 1088          | 1105        | 1129         | rBV      | 99319          | 235950        | 39.94%          | 4.829%        |
| 25        | 4.782       | 1146          | 1148        | 1152         | rVB2     | 355            | 253           | 0.04%           | 0.005%        |
| 26        | 4.807       | 1152          | 1156        | 1157         | rBV      | 256            | 165           | 0.03%           | 0.003%        |
| 27        | 4.856       | 1167          | 1171        | 1175         | rBV2     | 208            | 217           | 0.04%           | 0.004%        |
| 28        | 4.881       | 1175          | 1179        | 1180         | rBV      | 408            | 240           | 0.04%           | 0.005%        |
| 29        | 4.901       | 1181          | 1185        | 1191         | rVB6     | 809            | 923           | 0.16%           | 0.019%        |
| 30        | 4.965       | 1198          | 1205        | 1209         | rBV2     | 239            | 329           | 0.06%           | 0.007%        |
| 31        | 5.122       | 1251          | 1254        | 1260         | rVB2     | 261            | 182           | 0.03%           | 0.004%        |
| 32        | 5.171       | 1266          | 1269        | 1273         | rVB2     | 266            | 181           | 0.03%           | 0.004%        |
| 33        | 5.335       | 1296          | 1320        | 1350         | rBV2     | 201695         | 590697        | 100.00%         | 12.090%       |
| 34        | 5.511       | 1373          | 1375        | 1379         | rBV2     | 203            | 160           | 0.03%           | 0.003%        |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060619WMA.M  
 Title : VOC Analysis

|    |       |      |      |      |      |        |        |        |         |
|----|-------|------|------|------|------|--------|--------|--------|---------|
| 35 | 5.589 | 1396 | 1399 | 1401 | rBV3 | 279    | 190    | 0.03%  | 0.004%  |
| 36 | 5.605 | 1401 | 1404 | 1407 | rVV3 | 304    | 221    | 0.04%  | 0.005%  |
| 37 | 5.624 | 1407 | 1410 | 1414 | rVV  | 199    | 157    | 0.03%  | 0.003%  |
| 38 | 5.881 | 1477 | 1490 | 1517 | rBV  | 203688 | 402756 | 68.18% | 8.243%  |
| 39 | 6.171 | 1571 | 1580 | 1597 | rVB6 | 7844   | 15986  | 2.71%  | 0.327%  |
| 40 | 6.270 | 1608 | 1611 | 1614 | rBV2 | 332    | 227    | 0.04%  | 0.005%  |
| 41 | 6.325 | 1614 | 1628 | 1653 | rVV  | 133078 | 267098 | 45.22% | 5.467%  |
| 42 | 6.537 | 1689 | 1694 | 1697 | rVV2 | 227    | 237    | 0.04%  | 0.005%  |
| 43 | 6.556 | 1697 | 1700 | 1703 | rVV2 | 259    | 176    | 0.03%  | 0.004%  |
| 44 | 6.691 | 1735 | 1742 | 1743 | rBV2 | 187    | 171    | 0.03%  | 0.003%  |
| 45 | 6.872 | 1795 | 1798 | 1801 | rBV  | 291    | 205    | 0.03%  | 0.004%  |
| 46 | 6.978 | 1828 | 1831 | 1836 | rVB2 | 245    | 227    | 0.04%  | 0.005%  |
| 47 | 7.003 | 1836 | 1839 | 1845 | rBV2 | 268    | 376    | 0.06%  | 0.008%  |
| 48 | 7.032 | 1845 | 1848 | 1853 | rVB2 | 214    | 180    | 0.03%  | 0.004%  |
| 49 | 7.148 | 1878 | 1884 | 1887 | rBV2 | 237    | 174    | 0.03%  | 0.004%  |
| 50 | 7.225 | 1896 | 1908 | 1931 | rBV  | 71896  | 132787 | 22.48% | 2.718%  |
| 51 | 7.386 | 1955 | 1958 | 1965 | rVB3 | 387    | 401    | 0.07%  | 0.008%  |
| 52 | 7.447 | 1971 | 1977 | 1978 | rBV2 | 278    | 174    | 0.03%  | 0.004%  |
| 53 | 7.473 | 1980 | 1985 | 1989 | rBV2 | 214    | 197    | 0.03%  | 0.004%  |
| 54 | 7.560 | 1997 | 2012 | 2043 | rBV  | 264279 | 468164 | 79.26% | 9.582%  |
| 55 | 7.846 | 2092 | 2101 | 2132 | rBV  | 46933  | 85445  | 14.47% | 1.749%  |
| 56 | 8.129 | 2186 | 2189 | 2195 | rVB2 | 237    | 241    | 0.04%  | 0.005%  |
| 57 | 8.174 | 2195 | 2203 | 2207 | rBV3 | 579    | 817    | 0.14%  | 0.017%  |
| 58 | 8.306 | 2234 | 2244 | 2286 | rBV  | 157439 | 318820 | 53.97% | 6.525%  |
| 59 | 8.605 | 2334 | 2337 | 2340 | rVB2 | 310    | 196    | 0.03%  | 0.004%  |
| 60 | 8.627 | 2340 | 2344 | 2347 | rBV2 | 241    | 228    | 0.04%  | 0.005%  |
| 61 | 8.666 | 2352 | 2356 | 2362 | rBV2 | 190    | 162    | 0.03%  | 0.003%  |
| 62 | 8.714 | 2368 | 2371 | 2378 | rVB2 | 358    | 278    | 0.05%  | 0.006%  |
| 63 | 8.762 | 2378 | 2386 | 2389 | rBV2 | 237    | 253    | 0.04%  | 0.005%  |
| 64 | 8.781 | 2389 | 2392 | 2398 | rBV2 | 201    | 204    | 0.03%  | 0.004%  |
| 65 | 8.871 | 2415 | 2420 | 2426 | rBV2 | 255    | 360    | 0.06%  | 0.007%  |
| 66 | 9.084 | 2475 | 2486 | 2519 | rBV  | 295982 | 502895 | 85.14% | 10.293% |
| 67 | 9.444 | 2594 | 2598 | 2603 | rBV2 | 199    | 232    | 0.04%  | 0.005%  |
| 68 | 9.588 | 2639 | 2643 | 2647 | rVB2 | 332    | 294    | 0.05%  | 0.006%  |
| 69 | 9.630 | 2652 | 2656 | 2659 | rVB2 | 265    | 204    | 0.03%  | 0.004%  |
| 70 | 9.746 | 2687 | 2692 | 2695 | rBV2 | 273    | 249    | 0.04%  | 0.005%  |
| 71 | 9.817 | 2711 | 2714 | 2719 | rVB2 | 320    | 242    | 0.04%  | 0.005%  |

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060619WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 9.862  | 2719 | 2728 | 2731 | rBV2 | 314    | 348    | 0.06%  | 0.007% |
| 73  | 9.891  | 2731 | 2737 | 2741 | rBV2 | 207    | 256    | 0.04%  | 0.005% |
| 74  | 10.010 | 2771 | 2774 | 2778 | rVB2 | 231    | 156    | 0.03%  | 0.003% |
| 75  | 10.103 | 2800 | 2803 | 2809 | rVB2 | 273    | 291    | 0.05%  | 0.006% |
| 76  | 10.132 | 2809 | 2812 | 2816 | rBV  | 294    | 254    | 0.04%  | 0.005% |
| 77  | 10.428 | 2892 | 2904 | 2925 | rBV  | 179455 | 296453 | 50.19% | 6.068% |
| 78  | 10.534 | 2933 | 2937 | 2940 | rVB2 | 315    | 235    | 0.04%  | 0.005% |
| 79  | 10.563 | 2940 | 2946 | 2949 | rBV  | 231    | 251    | 0.04%  | 0.005% |
| 80  | 10.601 | 2952 | 2958 | 2967 | rVV3 | 778    | 1261   | 0.21%  | 0.026% |
| 81  | 10.894 | 3042 | 3049 | 3051 | rBV2 | 327    | 412    | 0.07%  | 0.008% |
| 82  | 11.479 | 3220 | 3231 | 3256 | rBV  | 297540 | 482929 | 81.76% | 9.884% |
| 83  | 11.791 | 3325 | 3328 | 3330 | rBV2 | 311    | 234    | 0.04%  | 0.005% |
| 84  | 11.855 | 3335 | 3348 | 3377 | rBV  | 269589 | 446341 | 75.56% | 9.136% |
| 85  | 12.035 | 3402 | 3404 | 3408 | rVB3 | 492    | 258    | 0.04%  | 0.005% |
| 86  | 12.305 | 3482 | 3488 | 3492 | rBV2 | 334    | 346    | 0.06%  | 0.007% |
| 87  | 12.350 | 3499 | 3502 | 3506 | rBV2 | 308    | 192    | 0.03%  | 0.004% |
| 88  | 12.514 | 3550 | 3553 | 3558 | rBV2 | 275    | 291    | 0.05%  | 0.006% |
| 89  | 12.698 | 3605 | 3610 | 3612 | rBV2 | 198    | 196    | 0.03%  | 0.004% |
| 90  | 12.955 | 3687 | 3690 | 3694 | rBV2 | 265    | 215    | 0.04%  | 0.004% |
| 91  | 12.974 | 3694 | 3696 | 3702 | rVV  | 164    | 164    | 0.03%  | 0.003% |
| 92  | 13.508 | 3860 | 3862 | 3866 | rVB  | 307    | 184    | 0.03%  | 0.004% |
| 93  | 13.537 | 3868 | 3871 | 3874 | rBV  | 229    | 177    | 0.03%  | 0.004% |
| 94  | 13.592 | 3884 | 3888 | 3892 | rVB2 | 307    | 257    | 0.04%  | 0.005% |
| 95  | 13.990 | 4009 | 4012 | 4015 | rBV  | 227    | 210    | 0.04%  | 0.004% |
| 96  | 14.157 | 4060 | 4064 | 4067 | rBV2 | 258    | 191    | 0.03%  | 0.004% |
| 97  | 14.318 | 4110 | 4114 | 4116 | rBV  | 259    | 204    | 0.03%  | 0.004% |
| 98  | 14.424 | 4143 | 4147 | 4149 | rVV3 | 242    | 196    | 0.03%  | 0.004% |
| 99  | 14.913 | 4297 | 4299 | 4303 | rVB2 | 399    | 199    | 0.03%  | 0.004% |
| 100 | 15.280 | 4410 | 4413 | 4420 | rBV  | 313    | 351    | 0.06%  | 0.007% |

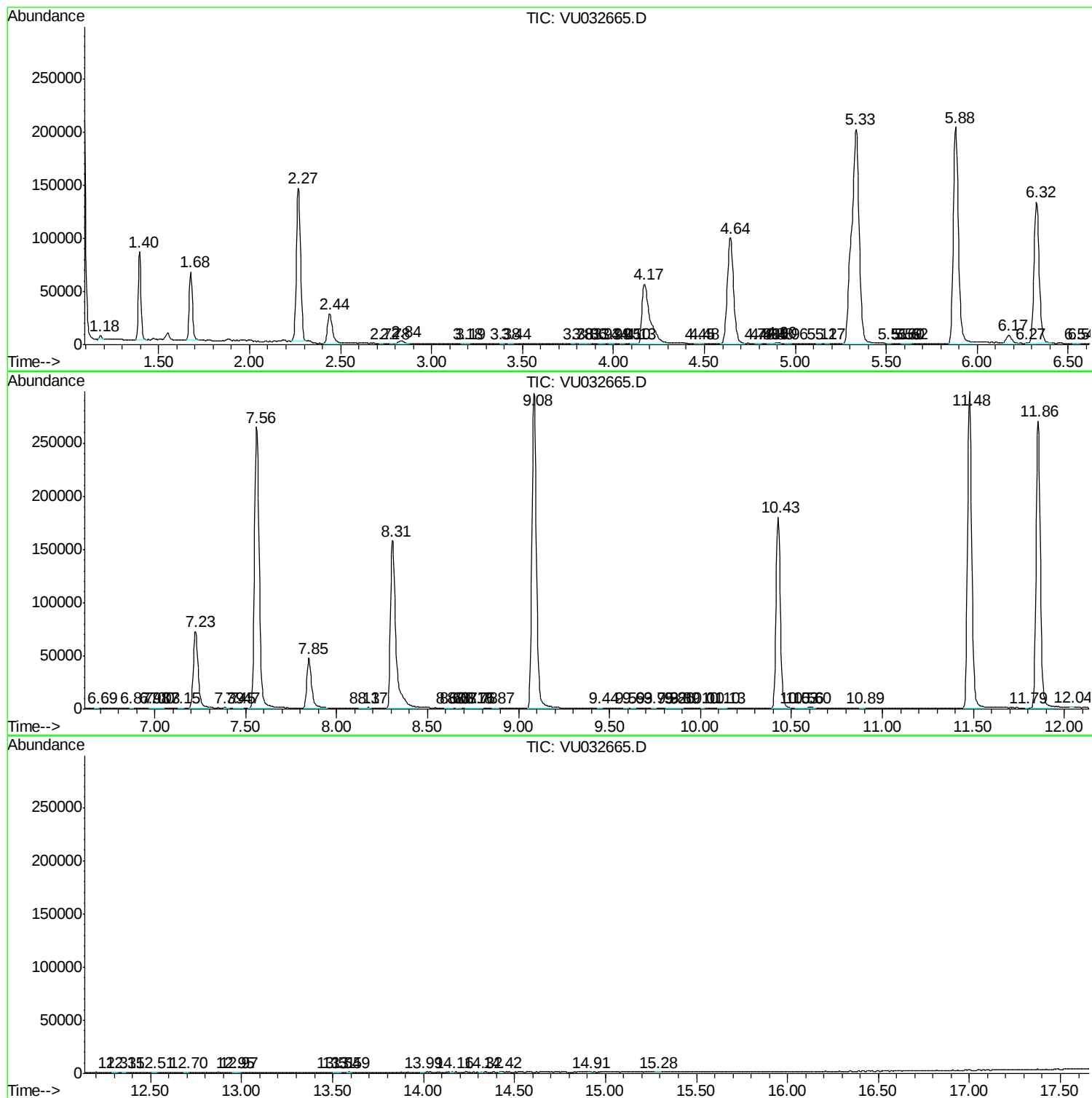
Sum of corrected areas: 4885782

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ClientSampleId :  
COLY7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060619WMA.M  
Quant Title : VOC Analysis

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



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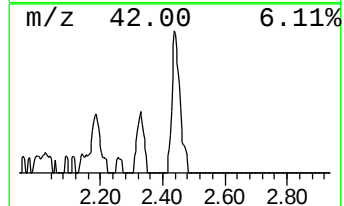
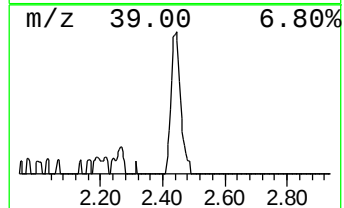
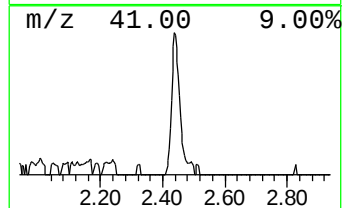
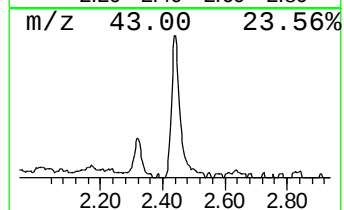
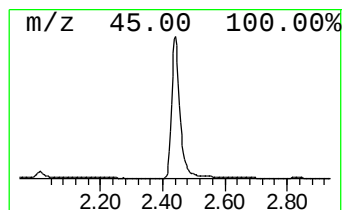
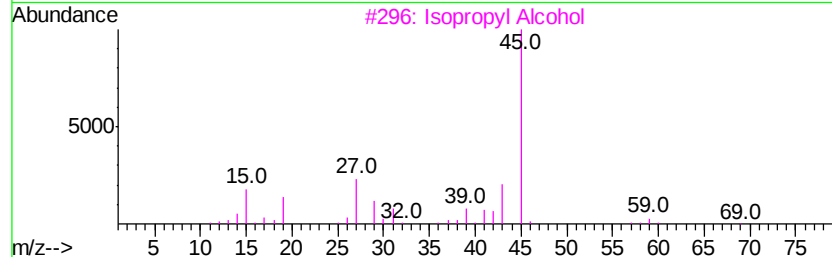
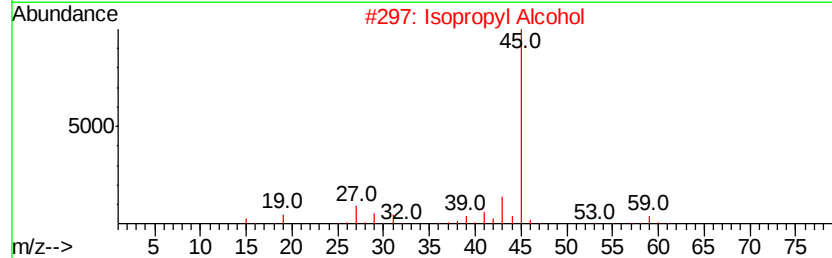
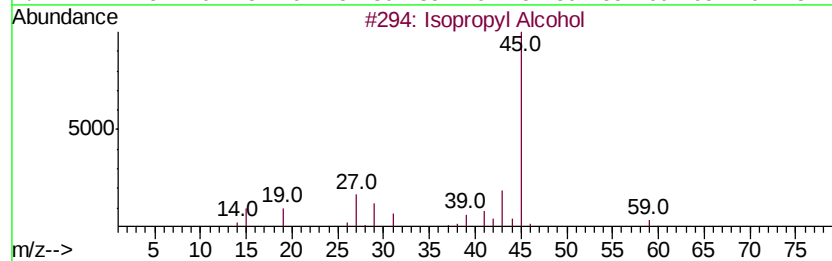
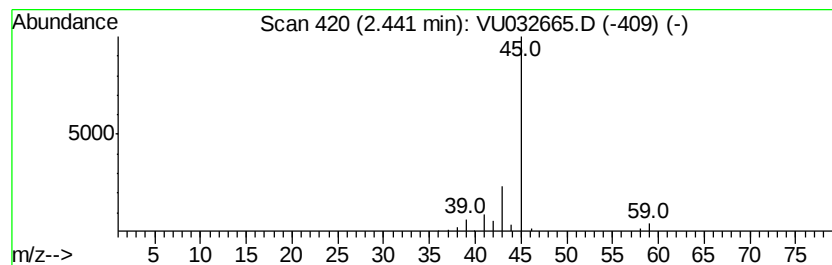
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060619WMA.M  
Quant Title : VOC Analysis

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. |
|------|-----------|-------|---------------------|------|
| 2.44 | 6.30 ug/L | 50743 | 1,4-Difluorobenzene | 5.88 |

| Hit# | of | 5 | Tentative ID      | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------|----|---------|-------------|------|
| 1    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 74   |
| 2    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 43   |
| 3    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 9    |
| 4    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 9    |
| 5    |    |   | Ethylamine        | 45 | C2H7N   | 000075-04-7 | 5    |



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| TIC Top Hit name  | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|-------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                   |      |         |       |          | #                     | RT   | Resp   | Conc |
| Isopropyl Alcohol | 2.44 | 6.3     | ug/L  | 50743    | 1                     | 5.88 | 402756 | 50.0 |