

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062219\  
 Data File : VU032981.D  
 Acq On : 22 Jun 2019 06:12  
 Operator : JC/SP  
 Sample : K3464-19  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ETF58

## 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\SOMULM061719WMA.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         | 1.392       | 88            | 94          | 107          | rVB      | 79745          | 82138         | 11.12%          | 1.383%        |
| 2         | 1.675       | 174           | 182         | 195          | rVB      | 70407          | 88164         | 11.94%          | 1.485%        |
| 3         | 2.264       | 355           | 365         | 377          | rVB      | 143308         | 216001        | 29.25%          | 3.637%        |
| 4         | 2.444       | 411           | 421         | 441          | rBV2     | 14356          | 26633         | 3.61%           | 0.449%        |
| 5         | 2.579       | 458           | 463         | 468          | rBV4     | 486            | 511           | 0.07%           | 0.009%        |
| 6         | 2.662       | 487           | 489         | 494          | rVB2     | 321            | 229           | 0.03%           | 0.004%        |
| 7         | 2.759       | 515           | 519         | 521          | rBV2     | 265            | 172           | 0.02%           | 0.003%        |
| 8         | 2.813       | 534           | 536         | 537          | rBV      | 605            | 317           | 0.04%           | 0.005%        |
| 9         | 2.887       | 556           | 559         | 563          | rBV2     | 291            | 217           | 0.03%           | 0.004%        |
| 10        | 3.010       | 594           | 597         | 604          | rVB      | 405            | 374           | 0.05%           | 0.006%        |
| 11        | 3.180       | 638           | 650         | 663          | rBV2     | 7861           | 16756         | 2.27%           | 0.282%        |
| 12        | 3.257       | 670           | 674         | 677          | rBV3     | 346            | 263           | 0.04%           | 0.004%        |
| 13        | 3.321       | 690           | 694         | 697          | rVB      | 299            | 178           | 0.02%           | 0.003%        |
| 14        | 3.341       | 697           | 700         | 704          | rBV4     | 446            | 348           | 0.05%           | 0.006%        |
| 15        | 3.386       | 712           | 714         | 719          | rVB      | 330            | 214           | 0.03%           | 0.004%        |
| 16        | 3.447       | 727           | 733         | 735          | rBV2     | 218            | 210           | 0.03%           | 0.004%        |
| 17        | 3.505       | 749           | 751         | 757          | rVB      | 216            | 218           | 0.03%           | 0.004%        |
| 18        | 3.540       | 757           | 762         | 767          | rBV2     | 375            | 393           | 0.05%           | 0.007%        |
| 19        | 3.611       | 781           | 784         | 789          | rVB2     | 323            | 251           | 0.03%           | 0.004%        |
| 20        | 3.637       | 789           | 792         | 794          | rBV      | 375            | 236           | 0.03%           | 0.004%        |
| 21        | 3.920       | 875           | 880         | 884          | rBV2     | 326            | 420           | 0.06%           | 0.007%        |
| 22        | 3.993       | 899           | 903         | 905          | rVB2     | 310            | 176           | 0.02%           | 0.003%        |
| 23        | 4.080       | 926           | 930         | 931          | rBV      | 225            | 176           | 0.02%           | 0.003%        |
| 24        | 4.170       | 944           | 958         | 980          | rBV2     | 75218          | 198928        | 26.94%          | 3.350%        |
| 25        | 4.363       | 1016          | 1018        | 1023         | rBV3     | 472            | 379           | 0.05%           | 0.006%        |
| 26        | 4.640       | 1086          | 1104        | 1127         | rVV      | 129583         | 301358        | 40.81%          | 5.075%        |
| 27        | 4.749       | 1136          | 1138        | 1142         | rBV3     | 391            | 293           | 0.04%           | 0.005%        |
| 28        | 4.794       | 1146          | 1152        | 1156         | rBV2     | 375            | 399           | 0.05%           | 0.007%        |
| 29        | 4.839       | 1160          | 1166        | 1171         | rBV3     | 481            | 588           | 0.08%           | 0.010%        |
| 30        | 4.955       | 1199          | 1202        | 1207         | rBV2     | 196            | 202           | 0.03%           | 0.003%        |
| 31        | 5.000       | 1213          | 1216        | 1221         | rVB3     | 282            | 233           | 0.03%           | 0.004%        |
| 32        | 5.151       | 1260          | 1263        | 1270         | rBV2     | 341            | 329           | 0.04%           | 0.006%        |
| 33        | 5.206       | 1276          | 1280        | 1282         | rBV2     | 294            | 208           | 0.03%           | 0.004%        |
| 34        | 5.331       | 1295          | 1319        | 1344         | rBV2     | 242994         | 738502        | 100.00%         | 12.436%       |

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
 Title : VOC Analysis

|    |       |      |      |      |      |        |        |        |         |
|----|-------|------|------|------|------|--------|--------|--------|---------|
| 35 | 5.633 | 1411 | 1413 | 1416 | rVB2 | 383    | 171    | 0.02%  | 0.003%  |
| 36 | 5.765 | 1451 | 1454 | 1457 | rBV3 | 438    | 272    | 0.04%  | 0.005%  |
| 37 | 5.881 | 1476 | 1490 | 1517 | rBV  | 247647 | 486078 | 65.82% | 8.186%  |
| 38 | 6.167 | 1571 | 1579 | 1580 | rBV5 | 2073   | 2032   | 0.28%  | 0.034%  |
| 39 | 6.263 | 1605 | 1609 | 1611 | rBV2 | 435    | 337    | 0.05%  | 0.006%  |
| 40 | 6.325 | 1611 | 1628 | 1644 | rVV  | 170456 | 342849 | 46.42% | 5.774%  |
| 41 | 6.444 | 1662 | 1665 | 1666 | rBV2 | 320    | 186    | 0.03%  | 0.003%  |
| 42 | 6.537 | 1689 | 1694 | 1695 | rBV  | 383    | 295    | 0.04%  | 0.005%  |
| 43 | 6.591 | 1707 | 1711 | 1714 | rVB  | 292    | 217    | 0.03%  | 0.004%  |
| 44 | 6.617 | 1715 | 1719 | 1723 | rVB3 | 313    | 257    | 0.03%  | 0.004%  |
| 45 | 6.640 | 1723 | 1726 | 1728 | rBV  | 218    | 172    | 0.02%  | 0.003%  |
| 46 | 6.681 | 1734 | 1739 | 1742 | rBV3 | 220    | 228    | 0.03%  | 0.004%  |
| 47 | 6.736 | 1753 | 1756 | 1760 | rBV2 | 255    | 201    | 0.03%  | 0.003%  |
| 48 | 6.784 | 1768 | 1771 | 1773 | rBV2 | 418    | 306    | 0.04%  | 0.005%  |
| 49 | 6.952 | 1819 | 1823 | 1829 | rVB2 | 456    | 290    | 0.04%  | 0.005%  |
| 50 | 7.164 | 1887 | 1889 | 1893 | rVB2 | 285    | 220    | 0.03%  | 0.004%  |
| 51 | 7.222 | 1893 | 1907 | 1927 | rBV2 | 90089  | 163731 | 22.17% | 2.757%  |
| 52 | 7.389 | 1948 | 1959 | 1973 | rBV3 | 5330   | 10686  | 1.45%  | 0.180%  |
| 53 | 7.559 | 1996 | 2012 | 2034 | rBV  | 319530 | 558449 | 75.62% | 9.404%  |
| 54 | 7.791 | 2082 | 2084 | 2087 | rVB  | 382    | 173    | 0.02%  | 0.003%  |
| 55 | 7.845 | 2091 | 2101 | 2117 | rBV  | 64836  | 111089 | 15.04% | 1.871%  |
| 56 | 7.980 | 2137 | 2143 | 2148 | rVB4 | 563    | 677    | 0.09%  | 0.011%  |
| 57 | 8.022 | 2153 | 2156 | 2158 | rBV  | 274    | 179    | 0.02%  | 0.003%  |
| 58 | 8.112 | 2180 | 2184 | 2188 | rBV2 | 342    | 347    | 0.05%  | 0.006%  |
| 59 | 8.167 | 2195 | 2201 | 2214 | rBV3 | 1054   | 1783   | 0.24%  | 0.030%  |
| 60 | 8.247 | 2223 | 2226 | 2231 | rVB2 | 347    | 324    | 0.04%  | 0.005%  |
| 61 | 8.305 | 2231 | 2244 | 2273 | rBV  | 225711 | 415713 | 56.29% | 7.001%  |
| 62 | 8.582 | 2327 | 2330 | 2333 | rBV3 | 368    | 290    | 0.04%  | 0.005%  |
| 63 | 8.620 | 2338 | 2342 | 2345 | rBV3 | 280    | 268    | 0.04%  | 0.005%  |
| 64 | 8.649 | 2345 | 2351 | 2353 | rBV3 | 269    | 318    | 0.04%  | 0.005%  |
| 65 | 8.739 | 2372 | 2379 | 2381 | rBV3 | 203    | 274    | 0.04%  | 0.005%  |
| 66 | 8.810 | 2395 | 2401 | 2403 | rBV2 | 404    | 388    | 0.05%  | 0.007%  |
| 67 | 9.083 | 2473 | 2486 | 2510 | rBV  | 370736 | 619702 | 83.91% | 10.436% |
| 68 | 9.318 | 2556 | 2559 | 2562 | rBV2 | 270    | 218    | 0.03%  | 0.004%  |
| 69 | 9.363 | 2569 | 2573 | 2575 | rBV4 | 798    | 621    | 0.08%  | 0.010%  |
| 70 | 9.376 | 2575 | 2577 | 2581 | rVB3 | 538    | 277    | 0.04%  | 0.005%  |
| 71 | 9.476 | 2604 | 2608 | 2611 | rVB2 | 263    | 212    | 0.03%  | 0.004%  |

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 Min Area: 0 % of largest Peak  
 Max Peaks: 100  
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 9.498  | 2611 | 2615 | 2618 | rBV2 | 234    | 206    | 0.03%  | 0.003% |
| 73  | 9.652  | 2658 | 2663 | 2667 | rBV3 | 339    | 397    | 0.05%  | 0.007% |
| 74  | 9.755  | 2693 | 2695 | 2699 | rVV2 | 305    | 199    | 0.03%  | 0.003% |
| 75  | 9.858  | 2724 | 2727 | 2730 | rVB2 | 387    | 229    | 0.03%  | 0.004% |
| 76  | 9.887  | 2730 | 2736 | 2738 | rBV2 | 181    | 202    | 0.03%  | 0.003% |
| 77  | 10.006 | 2768 | 2773 | 2776 | rBV  | 540    | 527    | 0.07%  | 0.009% |
| 78  | 10.041 | 2779 | 2784 | 2790 | rVV3 | 291    | 413    | 0.06%  | 0.007% |
| 79  | 10.112 | 2801 | 2806 | 2808 | rBV2 | 319    | 253    | 0.03%  | 0.004% |
| 80  | 10.193 | 2828 | 2831 | 2836 | rVB3 | 296    | 220    | 0.03%  | 0.004% |
| 81  | 10.337 | 2874 | 2876 | 2882 | rVB2 | 287    | 236    | 0.03%  | 0.004% |
| 82  | 10.369 | 2882 | 2886 | 2890 | rBV3 | 295    | 287    | 0.04%  | 0.005% |
| 83  | 10.427 | 2891 | 2904 | 2923 | rBV  | 250764 | 408659 | 55.34% | 6.882% |
| 84  | 10.604 | 2954 | 2959 | 2965 | rBV3 | 1287   | 1427   | 0.19%  | 0.024% |
| 85  | 10.758 | 3001 | 3007 | 3010 | rBV3 | 281    | 304    | 0.04%  | 0.005% |
| 86  | 10.807 | 3019 | 3022 | 3026 | rBV2 | 268    | 213    | 0.03%  | 0.004% |
| 87  | 10.951 | 3060 | 3067 | 3069 | rBV2 | 172    | 235    | 0.03%  | 0.004% |
| 88  | 11.003 | 3078 | 3083 | 3085 | rBV3 | 298    | 280    | 0.04%  | 0.005% |
| 89  | 11.131 | 3119 | 3123 | 3128 | rBV3 | 234    | 278    | 0.04%  | 0.005% |
| 90  | 11.167 | 3131 | 3134 | 3136 | rBV2 | 276    | 180    | 0.02%  | 0.003% |
| 91  | 11.479 | 3219 | 3231 | 3251 | rBV  | 359722 | 577784 | 78.24% | 9.730% |
| 92  | 11.855 | 3335 | 3348 | 3375 | rBV  | 331329 | 547552 | 74.14% | 9.221% |
| 93  | 12.131 | 3431 | 3434 | 3439 | rBV2 | 669    | 784    | 0.11%  | 0.013% |
| 94  | 12.308 | 3486 | 3489 | 3492 | rVV3 | 425    | 340    | 0.05%  | 0.006% |
| 95  | 12.324 | 3492 | 3494 | 3498 | rVB2 | 293    | 236    | 0.03%  | 0.004% |
| 96  | 12.524 | 3554 | 3556 | 3559 | rBV2 | 244    | 175    | 0.02%  | 0.003% |
| 97  | 12.752 | 3625 | 3627 | 3632 | rVV2 | 250    | 182    | 0.02%  | 0.003% |
| 98  | 13.263 | 3783 | 3786 | 3787 | rBV2 | 334    | 183    | 0.02%  | 0.003% |
| 99  | 14.263 | 4095 | 4097 | 4101 | rBV2 | 349    | 217    | 0.03%  | 0.004% |
| 100 | 14.954 | 4310 | 4312 | 4313 | rBV2 | 445    | 194    | 0.03%  | 0.003% |

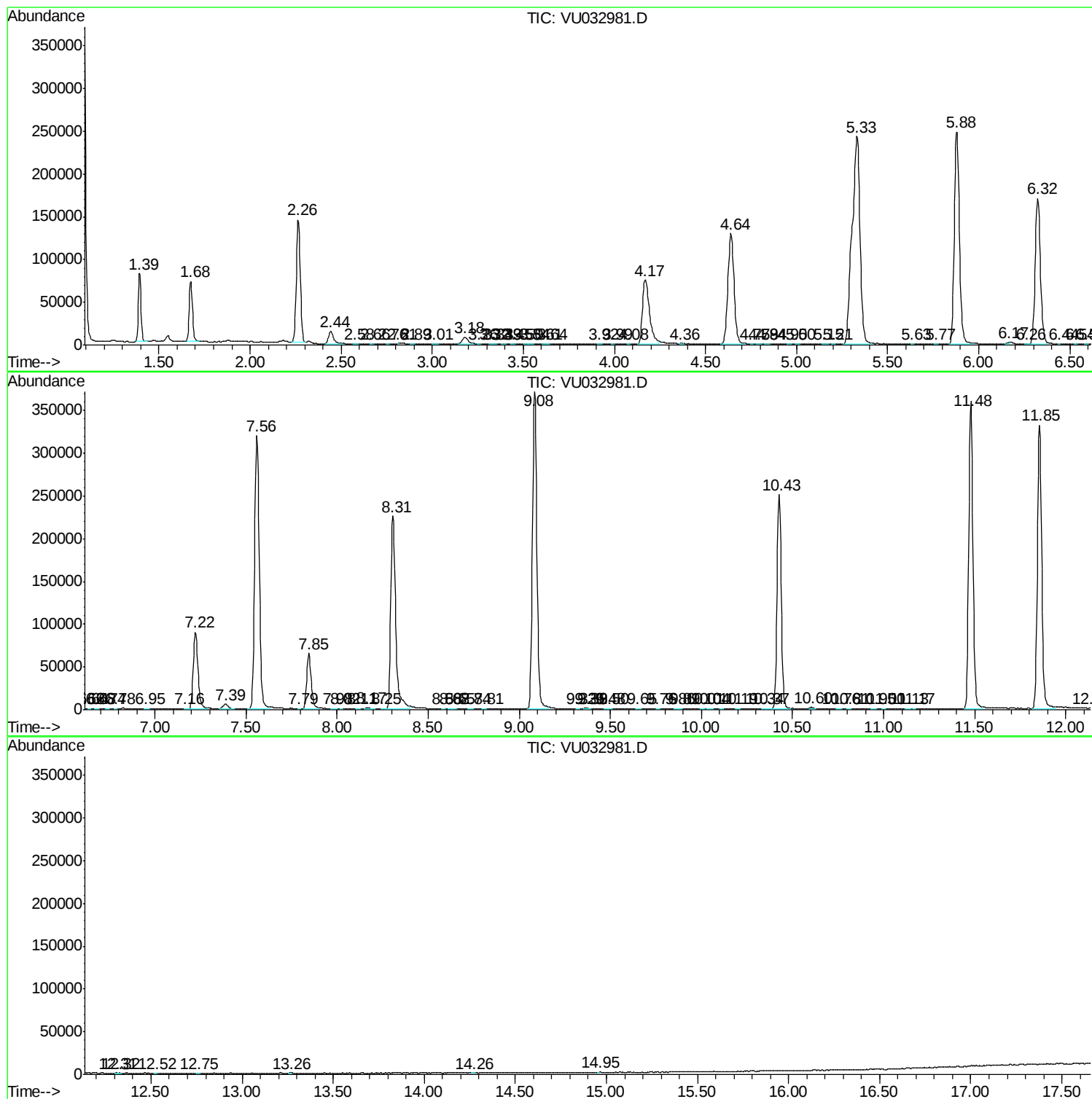
Sum of corrected areas: 5938236

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU062219\  
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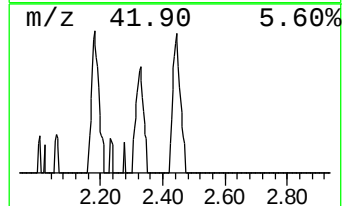
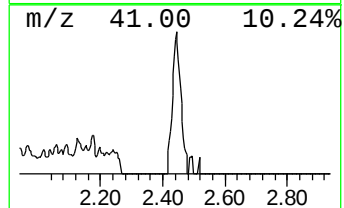
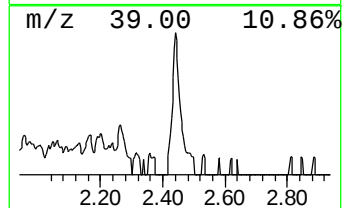
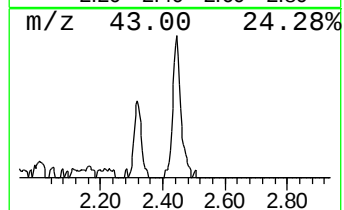
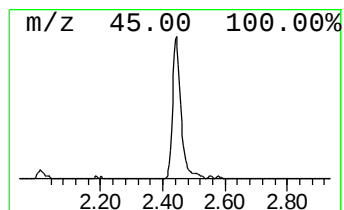
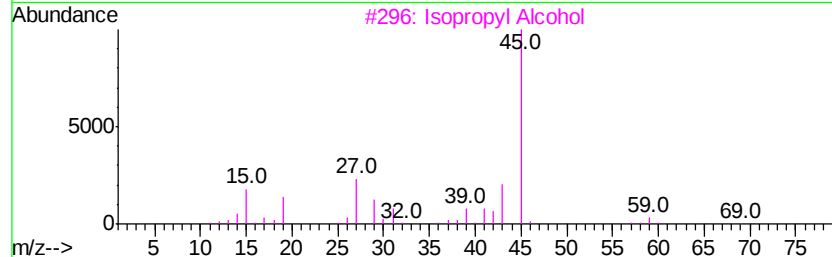
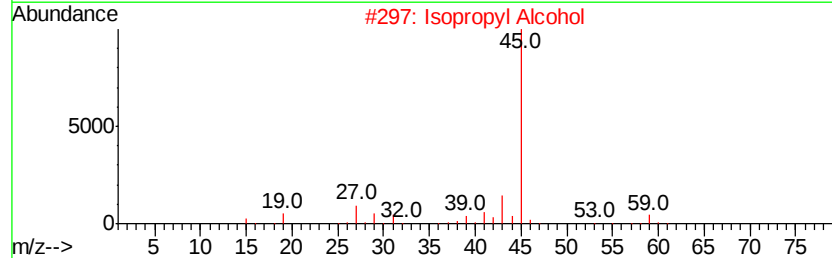
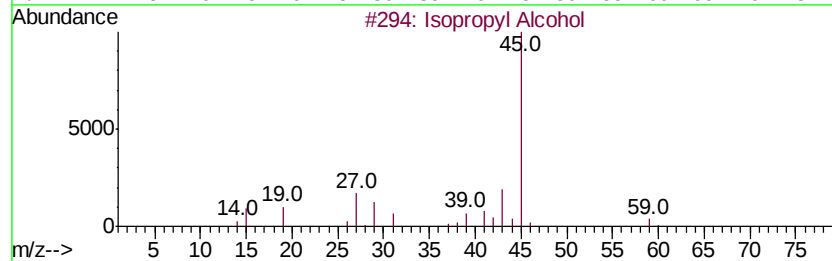
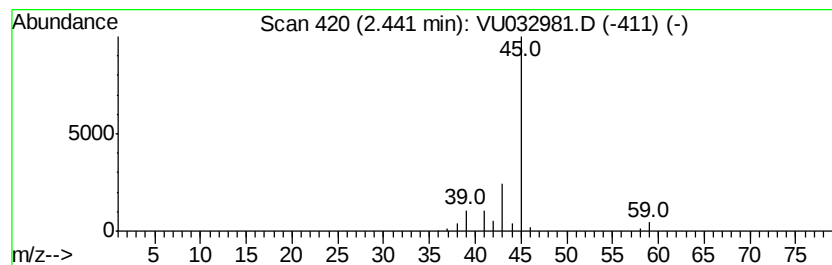
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
Quant Title : VOC Analysis

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 | 2.74 ug/L | 26633 | 1,4-Difluorobenzene | 5.88 |

| Hit# | of | 5 | Tentative ID      | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------|----|---------|-------------|------|
| 1    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 64   |
| 2    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 9    |
| 3    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 9    |
| 4    |    |   | Ethylamine        | 45 | C2H7N   | 000075-04-7 | 4    |
| 5    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 4    |



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| TIC Top Hit name  | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|-------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                   |      |         |       |          | #                     | RT   | Resp   | Conc |
| Isopropyl Alcohol | 2.44 | 2.7     | ug/L  | 26633    | 1                     | 5.88 | 486078 | 50.0 |