

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU101218\  
 Data File : VU027619.D  
 Acq On : 12 Oct 2018 13:30  
 Operator : MD/SY  
 Sample : J5403-11  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0900

## 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\SOMULM100518WMA.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         | 1.399       | 64            | 70          | 88           | rVB      | 93770          | 95767         | 14.44%          | 1.855%        |
| 2         | 1.682       | 151           | 158         | 174          | rVB      | 69843          | 89380         | 13.48%          | 1.731%        |
| 3         | 2.276       | 332           | 343         | 352          | rBV      | 145257         | 222697        | 33.58%          | 4.314%        |
| 4         | 2.444       | 385           | 395         | 414          | rBV      | 38237          | 65879         | 9.93%           | 1.276%        |
| 5         | 2.675       | 465           | 467         | 470          | rVB      | 207            | 94            | 0.01%           | 0.002%        |
| 6         | 2.826       | 505           | 514         | 525          | rBV4     | 2772           | 5597          | 0.84%           | 0.108%        |
| 7         | 2.890       | 531           | 534         | 537          | rBV      | 101            | 80            | 0.01%           | 0.002%        |
| 8         | 2.945       | 549           | 551         | 556          | rVB      | 167            | 65            | 0.01%           | 0.001%        |
| 9         | 3.151       | 609           | 615         | 617          | rBV      | 162            | 151           | 0.02%           | 0.003%        |
| 10        | 3.183       | 618           | 625         | 626          | rBV2     | 839            | 632           | 0.10%           | 0.012%        |
| 11        | 3.241       | 639           | 643         | 647          | rBV      | 137            | 143           | 0.02%           | 0.003%        |
| 12        | 3.302       | 661           | 662         | 668          | rBV      | 246            | 114           | 0.02%           | 0.002%        |
| 13        | 3.386       | 682           | 688         | 692          | rBV      | 126            | 159           | 0.02%           | 0.003%        |
| 14        | 3.521       | 727           | 730         | 733          | rBV2     | 189            | 122           | 0.02%           | 0.002%        |
| 15        | 3.556       | 738           | 741         | 743          | rBV2     | 133            | 74            | 0.01%           | 0.001%        |
| 16        | 3.726       | 791           | 794         | 801          | rVB2     | 181            | 140           | 0.02%           | 0.003%        |
| 17        | 3.871       | 830           | 839         | 844          | rBV      | 137            | 228           | 0.03%           | 0.004%        |
| 18        | 3.910       | 848           | 851         | 857          | rVV      | 129            | 128           | 0.02%           | 0.002%        |
| 19        | 3.952       | 862           | 864         | 867          | rVB      | 189            | 82            | 0.01%           | 0.002%        |
| 20        | 4.064       | 896           | 899         | 901          | rBV2     | 120            | 85            | 0.01%           | 0.002%        |
| 21        | 4.180       | 922           | 935         | 963          | rBV      | 63301          | 172238        | 25.97%          | 3.337%        |
| 22        | 4.514       | 1037          | 1039        | 1040         | rBV      | 156            | 68            | 0.01%           | 0.001%        |
| 23        | 4.537       | 1044          | 1046        | 1049         | rVB2     | 245            | 137           | 0.02%           | 0.003%        |
| 24        | 4.572       | 1054          | 1057        | 1059         | rBV      | 116            | 67            | 0.01%           | 0.001%        |
| 25        | 4.649       | 1066          | 1081        | 1104         | rBV      | 110440         | 256145        | 38.63%          | 4.962%        |
| 26        | 4.810       | 1129          | 1131        | 1133         | rBV      | 198            | 112           | 0.02%           | 0.002%        |
| 27        | 4.884       | 1148          | 1154        | 1159         | rBV3     | 407            | 580           | 0.09%           | 0.011%        |
| 28        | 4.929       | 1166          | 1168        | 1171         | rBV      | 115            | 104           | 0.02%           | 0.002%        |
| 29        | 5.013       | 1192          | 1194        | 1197         | rBV      | 184            | 90            | 0.01%           | 0.002%        |
| 30        | 5.096       | 1217          | 1220        | 1222         | rVB2     | 152            | 85            | 0.01%           | 0.002%        |
| 31        | 5.154       | 1232          | 1238        | 1240         | rBV      | 87             | 92            | 0.01%           | 0.002%        |
| 32        | 5.344       | 1273          | 1297        | 1330         | rBV2     | 221836         | 663155        | 100.00%         | 12.847%       |
| 33        | 5.556       | 1358          | 1363        | 1366         | rVV2     | 193            | 157           | 0.02%           | 0.003%        |
| 34        | 5.588       | 1371          | 1373        | 1376         | rVV      | 96             | 63            | 0.01%           | 0.001%        |

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM100518WMA.M  
 Title : VOC Analysis

|    |       |      |      |      |      |        |        |        |        |
|----|-------|------|------|------|------|--------|--------|--------|--------|
| 35 | 5.604 | 1376 | 1378 | 1381 | rVV  | 191    | 106    | 0.02%  | 0.002% |
| 36 | 5.627 | 1383 | 1385 | 1389 | rVV2 | 154    | 105    | 0.02%  | 0.002% |
| 37 | 5.665 | 1393 | 1397 | 1399 | rBV  | 85     | 71     | 0.01%  | 0.001% |
| 38 | 5.681 | 1400 | 1402 | 1408 | rVB  | 212    | 108    | 0.02%  | 0.002% |
| 39 | 5.752 | 1422 | 1424 | 1427 | rBV2 | 237    | 109    | 0.02%  | 0.002% |
| 40 | 5.890 | 1452 | 1467 | 1504 | rBV  | 225746 | 455237 | 68.65% | 8.819% |
| 41 | 6.132 | 1539 | 1542 | 1551 | rVB  | 210    | 183    | 0.03%  | 0.004% |
| 42 | 6.183 | 1551 | 1558 | 1559 | rBV2 | 1566   | 1167   | 0.18%  | 0.023% |
| 43 | 6.334 | 1591 | 1605 | 1634 | rBV  | 154234 | 312723 | 47.16% | 6.058% |
| 44 | 6.495 | 1652 | 1655 | 1657 | rBV2 | 157    | 134    | 0.02%  | 0.003% |
| 45 | 6.646 | 1699 | 1702 | 1704 | rVV  | 98     | 71     | 0.01%  | 0.001% |
| 46 | 6.662 | 1704 | 1707 | 1710 | rVB2 | 246    | 182    | 0.03%  | 0.004% |
| 47 | 6.678 | 1710 | 1712 | 1715 | rBV  | 219    | 131    | 0.02%  | 0.003% |
| 48 | 6.701 | 1717 | 1719 | 1724 | rVB2 | 146    | 138    | 0.02%  | 0.003% |
| 49 | 6.765 | 1735 | 1739 | 1743 | rVB2 | 248    | 192    | 0.03%  | 0.004% |
| 50 | 6.791 | 1744 | 1747 | 1750 | rBV  | 200    | 148    | 0.02%  | 0.003% |
| 51 | 6.813 | 1752 | 1754 | 1755 | rBV  | 305    | 152    | 0.02%  | 0.003% |
| 52 | 6.865 | 1765 | 1770 | 1775 | rVB3 | 464    | 477    | 0.07%  | 0.009% |
| 53 | 6.922 | 1785 | 1788 | 1793 | rVB2 | 209    | 203    | 0.03%  | 0.004% |
| 54 | 6.951 | 1795 | 1797 | 1799 | rBV2 | 114    | 63     | 0.01%  | 0.001% |
| 55 | 7.032 | 1819 | 1822 | 1828 | rVB2 | 247    | 242    | 0.04%  | 0.005% |
| 56 | 7.099 | 1841 | 1843 | 1846 | rVB  | 200    | 93     | 0.01%  | 0.002% |
| 57 | 7.151 | 1857 | 1859 | 1861 | rBV  | 181    | 93     | 0.01%  | 0.002% |
| 58 | 7.228 | 1869 | 1883 | 1910 | rVV  | 78966  | 143356 | 21.62% | 2.777% |
| 59 | 7.324 | 1910 | 1913 | 1916 | rVB  | 313    | 198    | 0.03%  | 0.004% |
| 60 | 7.398 | 1924 | 1936 | 1943 | rBV5 | 2207   | 3970   | 0.60%  | 0.077% |
| 61 | 7.463 | 1953 | 1956 | 1959 | rBV  | 267    | 250    | 0.04%  | 0.005% |
| 62 | 7.566 | 1975 | 1988 | 2021 | rVV  | 273531 | 487234 | 73.47% | 9.439% |
| 63 | 7.739 | 2039 | 2042 | 2044 | rVB2 | 186    | 105    | 0.02%  | 0.002% |
| 64 | 7.797 | 2057 | 2060 | 2064 | rVB  | 153    | 71     | 0.01%  | 0.001% |
| 65 | 7.852 | 2065 | 2077 | 2098 | rBV  | 55622  | 96058  | 14.48% | 1.861% |
| 66 | 7.974 | 2113 | 2115 | 2116 | rBV  | 256    | 85     | 0.01%  | 0.002% |
| 67 | 8.025 | 2128 | 2131 | 2136 | rVB2 | 189    | 210    | 0.03%  | 0.004% |
| 68 | 8.057 | 2138 | 2141 | 2145 | rVB2 | 288    | 176    | 0.03%  | 0.003% |
| 69 | 8.138 | 2163 | 2166 | 2169 | rBV  | 165    | 108    | 0.02%  | 0.002% |
| 70 | 8.180 | 2169 | 2179 | 2191 | rVV2 | 2585   | 4708   | 0.71%  | 0.091% |
| 71 | 8.270 | 2204 | 2207 | 2209 | rVB  | 139    | 76     | 0.01%  | 0.001% |

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 Max Peaks: 100  
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
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Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM100518WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |         |
|-----|--------|------|------|------|------|--------|--------|--------|---------|
| 72  | 8.311  | 2209 | 2220 | 2245 | rBV  | 198836 | 353403 | 53.29% | 6.846%  |
| 73  | 8.540  | 2289 | 2291 | 2293 | rBV3 | 177    | 92     | 0.01%  | 0.002%  |
| 74  | 8.614  | 2311 | 2314 | 2319 | rVB2 | 294    | 216    | 0.03%  | 0.004%  |
| 75  | 8.636  | 2319 | 2321 | 2324 | rBV  | 128    | 70     | 0.01%  | 0.001%  |
| 76  | 8.701  | 2338 | 2341 | 2343 | rBV  | 174    | 90     | 0.01%  | 0.002%  |
| 77  | 8.800  | 2368 | 2372 | 2374 | rBV2 | 194    | 127    | 0.02%  | 0.002%  |
| 78  | 8.861  | 2389 | 2391 | 2396 | rVB2 | 160    | 114    | 0.02%  | 0.002%  |
| 79  | 8.893  | 2399 | 2401 | 2404 | rVB  | 175    | 110    | 0.02%  | 0.002%  |
| 80  | 8.919  | 2406 | 2409 | 2410 | rBV  | 211    | 105    | 0.02%  | 0.002%  |
| 81  | 8.958  | 2417 | 2421 | 2424 | rBV2 | 326    | 277    | 0.04%  | 0.005%  |
| 82  | 8.977  | 2424 | 2427 | 2431 | rVB  | 199    | 117    | 0.02%  | 0.002%  |
| 83  | 9.012  | 2436 | 2438 | 2440 | rBV  | 142    | 82     | 0.01%  | 0.002%  |
| 84  | 9.090  | 2449 | 2462 | 2483 | rBV  | 320992 | 535592 | 80.76% | 10.376% |
| 85  | 9.308  | 2527 | 2530 | 2534 | rBV2 | 320    | 301    | 0.05%  | 0.006%  |
| 86  | 9.328  | 2534 | 2536 | 2542 | rVB2 | 249    | 201    | 0.03%  | 0.004%  |
| 87  | 9.527  | 2596 | 2598 | 2603 | rVB2 | 227    | 147    | 0.02%  | 0.003%  |
| 88  | 9.710  | 2653 | 2655 | 2659 | rBV  | 152    | 78     | 0.01%  | 0.002%  |
| 89  | 10.099 | 2774 | 2776 | 2779 | rBV  | 178    | 68     | 0.01%  | 0.001%  |
| 90  | 10.234 | 2809 | 2818 | 2833 | rBV2 | 9262   | 16256  | 2.45%  | 0.315%  |
| 91  | 10.311 | 2839 | 2842 | 2847 | rBV  | 335    | 212    | 0.03%  | 0.004%  |
| 92  | 10.434 | 2868 | 2880 | 2897 | rBV  | 188487 | 301405 | 45.45% | 5.839%  |
| 93  | 10.614 | 2926 | 2936 | 2945 | rVB3 | 2981   | 4954   | 0.75%  | 0.096%  |
| 94  | 11.180 | 3109 | 3112 | 3116 | rBV  | 206    | 160    | 0.02%  | 0.003%  |
| 95  | 11.430 | 3188 | 3190 | 3195 | rBV  | 180    | 97     | 0.01%  | 0.002%  |
| 96  | 11.485 | 3195 | 3207 | 3227 | rBV  | 285072 | 445592 | 67.19% | 8.632%  |
| 97  | 11.745 | 3279 | 3288 | 3304 | rBV2 | 11068  | 19531  | 2.95%  | 0.378%  |
| 98  | 11.861 | 3312 | 3324 | 3344 | rVB  | 248216 | 397106 | 59.88% | 7.693%  |
| 99  | 12.215 | 3428 | 3434 | 3444 | rVB5 | 1098   | 1465   | 0.22%  | 0.028%  |
| 100 | 13.523 | 3838 | 3841 | 3846 | rBV5 | 848    | 588    | 0.09%  | 0.011%  |

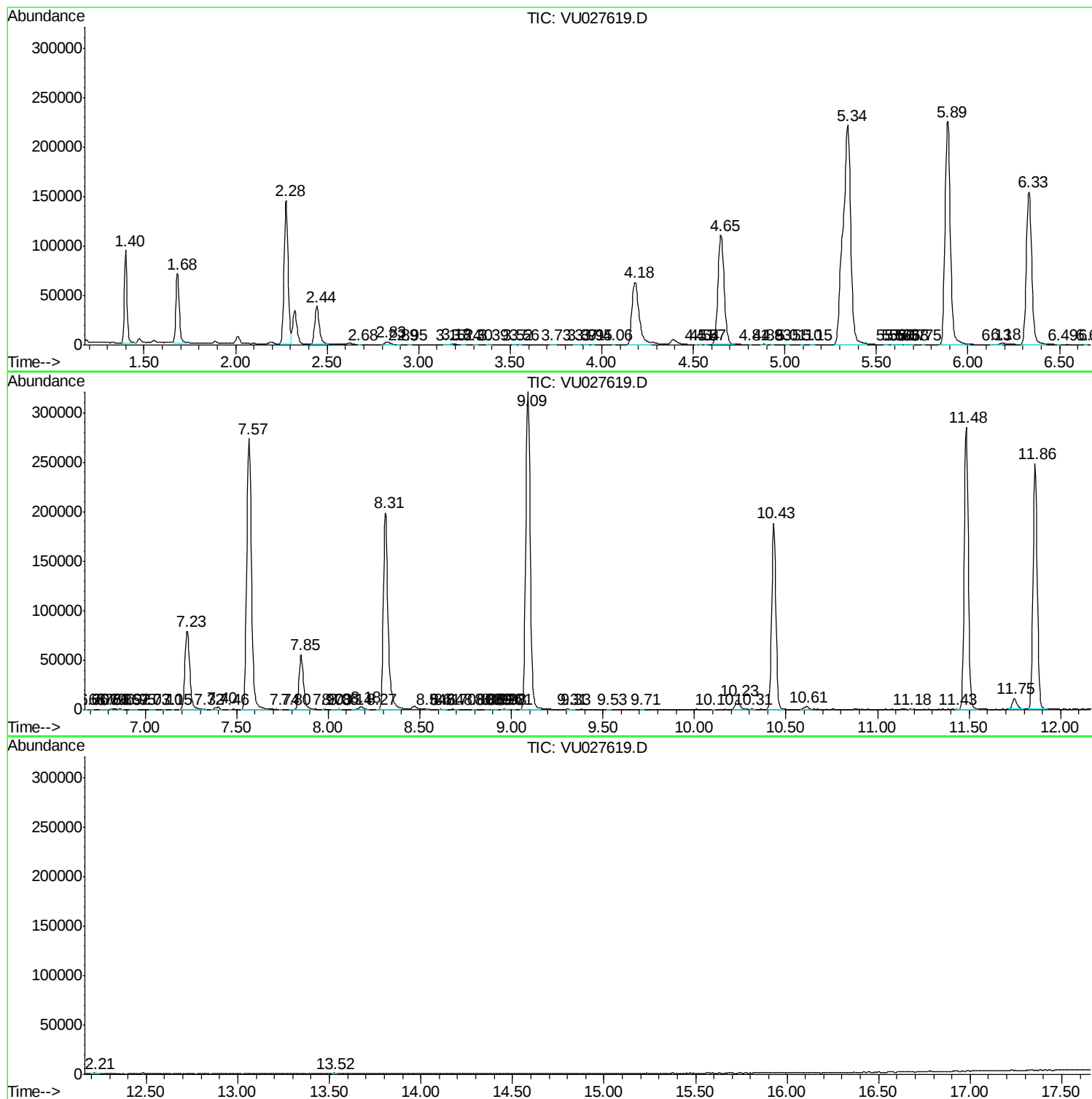
Sum of corrected areas: 5161999

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Instrument :  
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ClientSampled :  
C0900

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM100518WMA.M  
Quant Title : VOC Analysis

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



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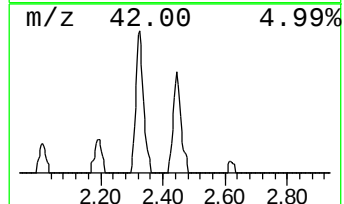
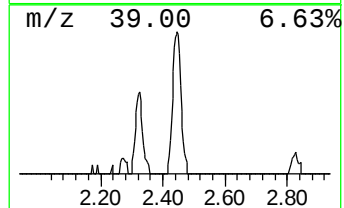
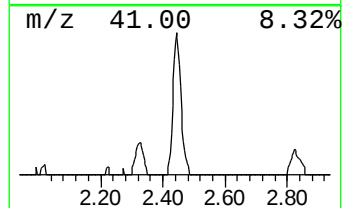
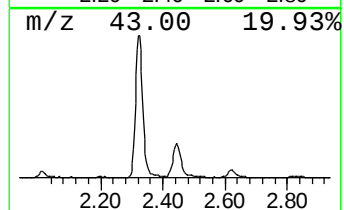
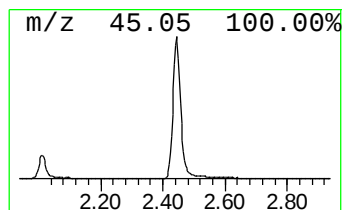
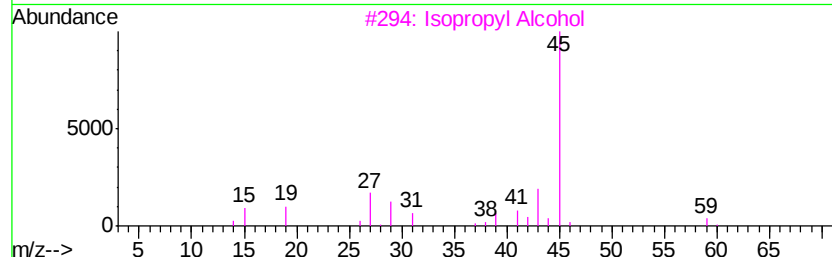
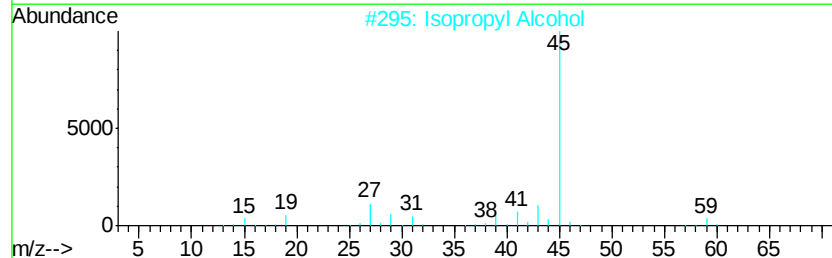
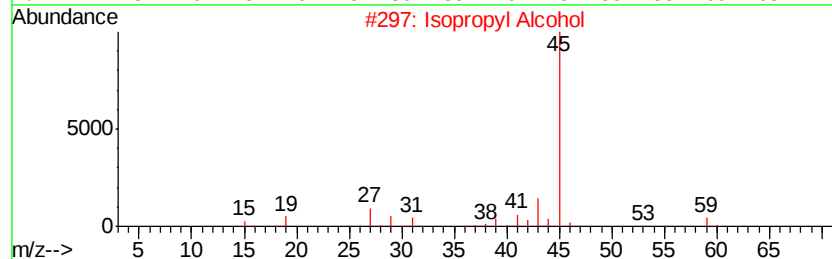
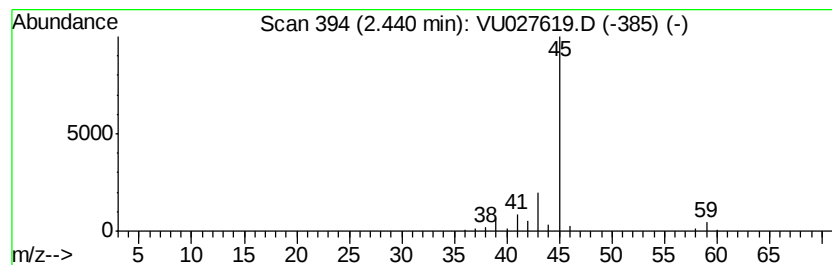
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM100518WMA.M  
Quant Title : VOC Analysis

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 | 7.24 ug/L | 65879 | 1,4-Difluorobenzene | 5.89 |

| Hit# | of | 5 | Tentative ID             | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|----|---------|-------------|------|
| 1    |    |   | Isopropyl Alcohol        | 60 | C3H8O   | 000067-63-0 | 83   |
| 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 | 9    |
| 5    |    |   | Hydrazine, 1,2-dimethyl- | 60 | C2H8N2  | 000540-73-8 | 9    |



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| TIC Top Hit name  | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|-------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                   |      |         |       |          | #                     | RT   | Resp   | Conc |
| Isopropyl Alcohol | 2.44 | 7.2     | ug/L  | 65879    | 1                     | 5.89 | 455237 | 50.0 |