

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091718\  
 Data File : VU026839.D  
 Acq On : 17 Sep 2018 22:28  
 Operator : MD/SY  
 Sample : J4893-11  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C08N5

## 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\SOMULM091718WMA.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      | 1.395    | 63         | 69       | 82        | rBV   | 126168      | 131011     | 13.96%       | 1.927%     |
| 2      | 1.678    | 150        | 157      | 172       | rVB   | 101817      | 130624     | 13.92%       | 1.921%     |
| 3      | 2.273    | 332        | 342      | 352       | rBV   | 212190      | 316848     | 33.76%       | 4.660%     |
| 4      | 2.443    | 386        | 395      | 418       | rVB   | 21246       | 37618      | 4.01%        | 0.553%     |
| 5      | 2.868    | 525        | 527      | 529       | rBV2  | 228         | 121        | 0.01%        | 0.002%     |
| 6      | 2.980    | 559        | 562      | 564       | rBV   | 363         | 231        | 0.02%        | 0.003%     |
| 7      | 3.035    | 577        | 579      | 581       | rVV2  | 286         | 139        | 0.01%        | 0.002%     |
| 8      | 3.074    | 585        | 591      | 594       | rBV2  | 184         | 252        | 0.03%        | 0.004%     |
| 9      | 3.263    | 648        | 650      | 653       | rBV2  | 172         | 122        | 0.01%        | 0.002%     |
| 10     | 3.315    | 664        | 666      | 669       | rBV   | 135         | 77         | 0.01%        | 0.001%     |
| 11     | 3.379    | 683        | 686      | 687       | rBV2  | 236         | 88         | 0.01%        | 0.001%     |
| 12     | 3.431    | 699        | 702      | 705       | rBV   | 268         | 177        | 0.02%        | 0.003%     |
| 13     | 3.533    | 729        | 734      | 740       | rVB   | 203         | 250        | 0.03%        | 0.004%     |
| 14     | 3.588    | 746        | 751      | 759       | rVB2  | 232         | 360        | 0.04%        | 0.005%     |
| 15     | 3.627    | 760        | 763      | 766       | rBV   | 176         | 121        | 0.01%        | 0.002%     |
| 16     | 3.646    | 766        | 769      | 772       | rVB2  | 253         | 162        | 0.02%        | 0.002%     |
| 17     | 3.775    | 805        | 809      | 812       | rVB2  | 161         | 138        | 0.01%        | 0.002%     |
| 18     | 3.810    | 818        | 820      | 825       | rVB2  | 236         | 188        | 0.02%        | 0.003%     |
| 19     | 3.955    | 862        | 865      | 868       | rBV2  | 182         | 174        | 0.02%        | 0.003%     |
| 20     | 3.984    | 872        | 874      | 876       | rBV2  | 204         | 136        | 0.01%        | 0.002%     |
| 21     | 4.032    | 885        | 889      | 894       | rBV2  | 181         | 249        | 0.03%        | 0.004%     |
| 22     | 4.083    | 902        | 905      | 908       | rBV   | 157         | 78         | 0.01%        | 0.001%     |
| 23     | 4.177    | 917        | 934      | 961       | rBV   | 72843       | 191201     | 20.37%       | 2.812%     |
| 24     | 4.386    | 991        | 999      | 1016      | rVB3  | 7667        | 17822      | 1.90%        | 0.262%     |
| 25     | 4.511    | 1035       | 1038     | 1040      | rBV2  | 196         | 94         | 0.01%        | 0.001%     |
| 26     | 4.533    | 1042       | 1045     | 1049      | rBV   | 206         | 121        | 0.01%        | 0.002%     |
| 27     | 4.566    | 1052       | 1055     | 1058      | rBV2  | 196         | 161        | 0.02%        | 0.002%     |
| 28     | 4.585    | 1058       | 1061     | 1064      | rBV2  | 256         | 139        | 0.01%        | 0.002%     |
| 29     | 4.649    | 1064       | 1081     | 1106      | rBV   | 156635      | 369559     | 39.38%       | 5.435%     |
| 30     | 4.842    | 1140       | 1141     | 1146      | rVB2  | 266         | 122        | 0.01%        | 0.002%     |
| 31     | 4.948    | 1171       | 1174     | 1177      | rBV   | 214         | 146        | 0.02%        | 0.002%     |
| 32     | 5.022    | 1195       | 1197     | 1199      | rBV2  | 130         | 86         | 0.01%        | 0.001%     |
| 33     | 5.064    | 1208       | 1210     | 1213      | rBV2  | 157         | 104        | 0.01%        | 0.002%     |
| 34     | 5.103    | 1220       | 1222     | 1224      | rBV   | 170         | 98         | 0.01%        | 0.001%     |

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091718WMA.M  
 Title : VOC Analysis

|    |       |      |      |      |      |        |        |         |         |
|----|-------|------|------|------|------|--------|--------|---------|---------|
| 35 | 5.180 | 1243 | 1246 | 1250 | rVV2 | 188    | 140    | 0.01%   | 0.002%  |
| 36 | 5.231 | 1256 | 1262 | 1265 | rBV2 | 202    | 162    | 0.02%   | 0.002%  |
| 37 | 5.344 | 1272 | 1297 | 1327 | rBV2 | 320093 | 938433 | 100.00% | 13.802% |
| 38 | 5.733 | 1411 | 1418 | 1420 | rBV2 | 206    | 178    | 0.02%   | 0.003%  |
| 39 | 5.768 | 1427 | 1429 | 1432 | rBV2 | 143    | 128    | 0.01%   | 0.002%  |
| 40 | 5.887 | 1452 | 1466 | 1491 | rBV  | 280876 | 546505 | 58.24%  | 8.038%  |
| 41 | 6.090 | 1526 | 1529 | 1530 | rBV  | 168    | 94     | 0.01%   | 0.001%  |
| 42 | 6.154 | 1545 | 1549 | 1552 | rBV  | 223    | 181    | 0.02%   | 0.003%  |
| 43 | 6.180 | 1552 | 1557 | 1558 | rBV  | 585    | 337    | 0.04%   | 0.005%  |
| 44 | 6.218 | 1567 | 1569 | 1575 | rVB  | 115    | 86     | 0.01%   | 0.001%  |
| 45 | 6.250 | 1575 | 1579 | 1582 | rBV2 | 227    | 159    | 0.02%   | 0.002%  |
| 46 | 6.334 | 1590 | 1605 | 1632 | rBV  | 218172 | 431020 | 45.93%  | 6.339%  |
| 47 | 6.437 | 1632 | 1637 | 1638 | rBV  | 222    | 141    | 0.02%   | 0.002%  |
| 48 | 6.524 | 1661 | 1664 | 1667 | rVB  | 148    | 76     | 0.01%   | 0.001%  |
| 49 | 6.546 | 1669 | 1671 | 1677 | rVB  | 193    | 108    | 0.01%   | 0.002%  |
| 50 | 6.572 | 1677 | 1679 | 1682 | rBV  | 322    | 198    | 0.02%   | 0.003%  |
| 51 | 6.675 | 1708 | 1711 | 1716 | rVB2 | 247    | 163    | 0.02%   | 0.002%  |
| 52 | 6.701 | 1717 | 1719 | 1722 | rVB2 | 175    | 98     | 0.01%   | 0.001%  |
| 53 | 6.746 | 1731 | 1733 | 1736 | rBV  | 128    | 78     | 0.01%   | 0.001%  |
| 54 | 6.778 | 1739 | 1743 | 1748 | rBV2 | 192    | 203    | 0.02%   | 0.003%  |
| 55 | 6.858 | 1762 | 1768 | 1769 | rBV2 | 507    | 383    | 0.04%   | 0.006%  |
| 56 | 6.942 | 1790 | 1794 | 1800 | rBV  | 267    | 179    | 0.02%   | 0.003%  |
| 57 | 7.022 | 1813 | 1819 | 1820 | rBV  | 85     | 90     | 0.01%   | 0.001%  |
| 58 | 7.099 | 1840 | 1843 | 1845 | rBV  | 339    | 137    | 0.01%   | 0.002%  |
| 59 | 7.131 | 1850 | 1853 | 1856 | rVB  | 199    | 125    | 0.01%   | 0.002%  |
| 60 | 7.176 | 1863 | 1867 | 1869 | rBV  | 253    | 143    | 0.02%   | 0.002%  |
| 61 | 7.231 | 1871 | 1884 | 1902 | rBV  | 104588 | 186702 | 19.90%  | 2.746%  |
| 62 | 7.334 | 1915 | 1916 | 1920 | rBV2 | 226    | 134    | 0.01%   | 0.002%  |
| 63 | 7.382 | 1928 | 1931 | 1932 | rBV2 | 396    | 270    | 0.03%   | 0.004%  |
| 64 | 7.459 | 1952 | 1955 | 1961 | rBV3 | 373    | 461    | 0.05%   | 0.007%  |
| 65 | 7.569 | 1975 | 1989 | 2010 | rBV  | 404931 | 703980 | 75.02%  | 10.354% |
| 66 | 7.852 | 2065 | 2077 | 2096 | rBV  | 76664  | 128347 | 13.68%  | 1.888%  |
| 67 | 7.967 | 2111 | 2113 | 2116 | rBV  | 287    | 169    | 0.02%   | 0.002%  |
| 68 | 7.990 | 2116 | 2120 | 2124 | rVV2 | 395    | 379    | 0.04%   | 0.006%  |
| 69 | 8.032 | 2128 | 2133 | 2135 | rBV2 | 172    | 125    | 0.01%   | 0.002%  |
| 70 | 8.048 | 2136 | 2138 | 2141 | rBV2 | 139    | 83     | 0.01%   | 0.001%  |
| 71 | 8.125 | 2160 | 2162 | 2167 | rVB  | 180    | 124    | 0.01%   | 0.002%  |

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
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Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091718WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 8.183  | 2171 | 2180 | 2191 | rBV4 | 1842   | 3883   | 0.41%  | 0.057% |
| 73  | 8.315  | 2209 | 2221 | 2256 | rBV  | 242010 | 414481 | 44.17% | 6.096% |
| 74  | 8.643  | 2318 | 2323 | 2325 | rBV2 | 185    | 143    | 0.02%  | 0.002% |
| 75  | 8.691  | 2335 | 2338 | 2341 | rBV2 | 347    | 304    | 0.03%  | 0.004% |
| 76  | 8.755  | 2356 | 2358 | 2359 | rBV2 | 181    | 79     | 0.01%  | 0.001% |
| 77  | 8.813  | 2373 | 2376 | 2378 | rBV2 | 170    | 101    | 0.01%  | 0.001% |
| 78  | 8.842  | 2383 | 2385 | 2389 | rVB  | 247    | 131    | 0.01%  | 0.002% |
| 79  | 8.864  | 2389 | 2392 | 2397 | rVB2 | 178    | 125    | 0.01%  | 0.002% |
| 80  | 8.900  | 2397 | 2403 | 2406 | rBV  | 130    | 173    | 0.02%  | 0.003% |
| 81  | 8.919  | 2407 | 2409 | 2413 | rBV2 | 272    | 151    | 0.02%  | 0.002% |
| 82  | 9.090  | 2450 | 2462 | 2486 | rBV  | 400831 | 660209 | 70.35% | 9.710% |
| 83  | 9.247  | 2509 | 2511 | 2513 | rVB  | 267    | 104    | 0.01%  | 0.002% |
| 84  | 9.276  | 2517 | 2520 | 2524 | rVV  | 246    | 172    | 0.02%  | 0.003% |
| 85  | 9.308  | 2524 | 2530 | 2536 | rVV2 | 518    | 476    | 0.05%  | 0.007% |
| 86  | 9.372  | 2547 | 2550 | 2553 | rVB  | 157    | 94     | 0.01%  | 0.001% |
| 87  | 9.430  | 2565 | 2568 | 2570 | rBV  | 233    | 101    | 0.01%  | 0.001% |
| 88  | 9.446  | 2571 | 2573 | 2575 | rBV  | 153    | 110    | 0.01%  | 0.002% |
| 89  | 9.491  | 2584 | 2587 | 2590 | rBV2 | 195    | 129    | 0.01%  | 0.002% |
| 90  | 9.520  | 2593 | 2596 | 2600 | rVB  | 225    | 147    | 0.02%  | 0.002% |
| 91  | 9.543  | 2601 | 2603 | 2605 | rBV2 | 137    | 80     | 0.01%  | 0.001% |
| 92  | 10.006 | 2744 | 2747 | 2749 | rBV2 | 187    | 116    | 0.01%  | 0.002% |
| 93  | 10.109 | 2776 | 2779 | 2780 | rBV  | 195    | 107    | 0.01%  | 0.002% |
| 94  | 10.225 | 2813 | 2815 | 2817 | rBV  | 220    | 109    | 0.01%  | 0.002% |
| 95  | 10.376 | 2860 | 2862 | 2865 | rVB  | 187    | 78     | 0.01%  | 0.001% |
| 96  | 10.434 | 2866 | 2880 | 2901 | rBV  | 284701 | 451442 | 48.11% | 6.640% |
| 97  | 11.356 | 3164 | 3167 | 3170 | rBV  | 270    | 136    | 0.01%  | 0.002% |
| 98  | 11.424 | 3183 | 3188 | 3190 | rBV  | 380    | 331    | 0.04%  | 0.005% |
| 99  | 11.485 | 3194 | 3207 | 3224 | rBV  | 336356 | 525031 | 55.95% | 7.722% |
| 100 | 11.861 | 3312 | 3324 | 3343 | rBV  | 375955 | 601385 | 64.08% | 8.845% |

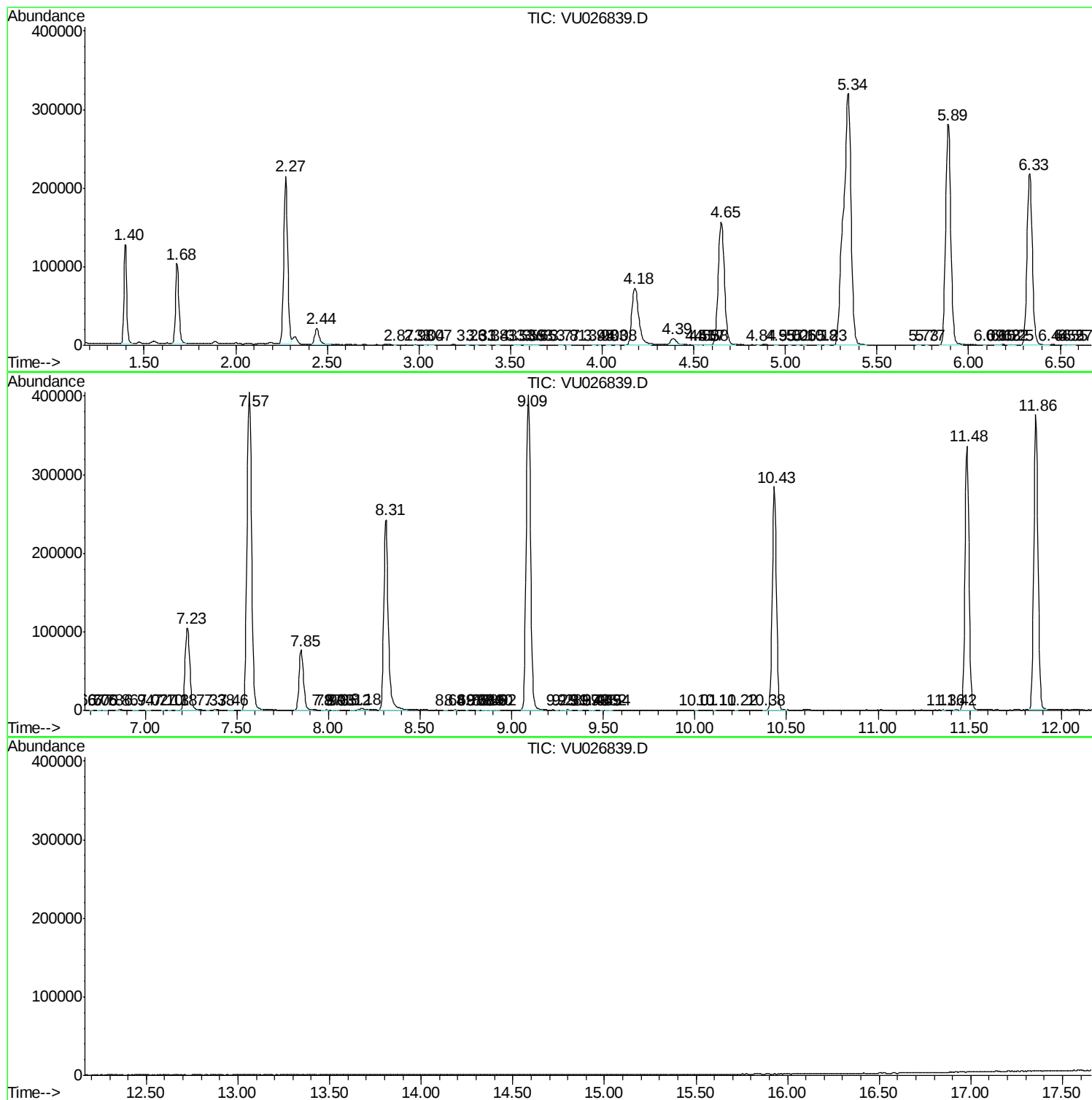
Sum of corrected areas: 6799064

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091718WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU091718\  
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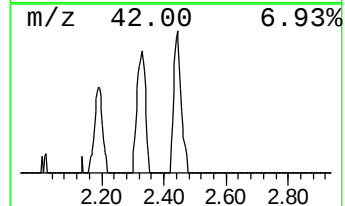
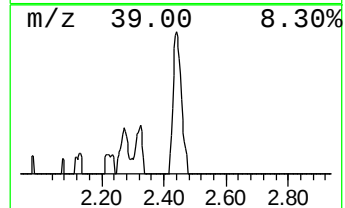
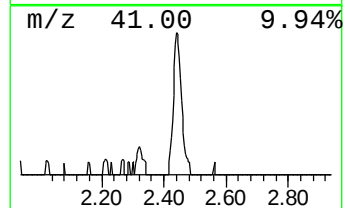
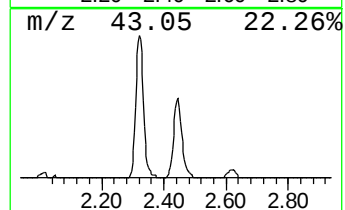
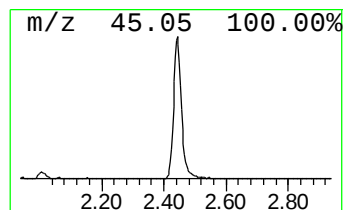
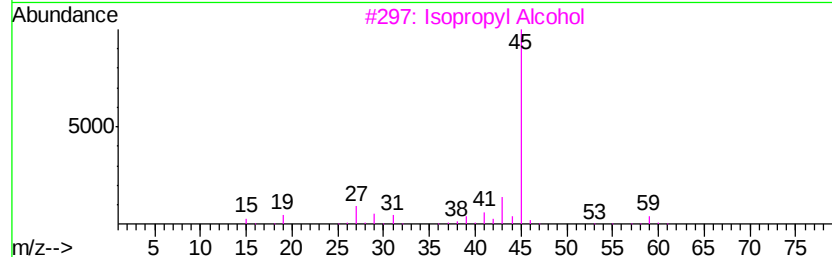
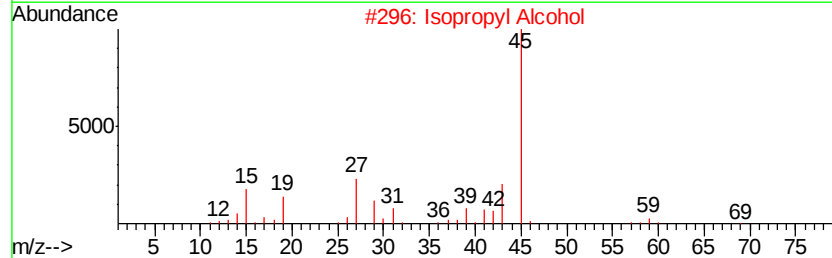
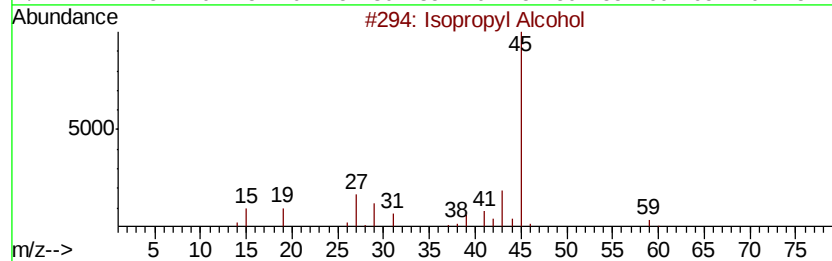
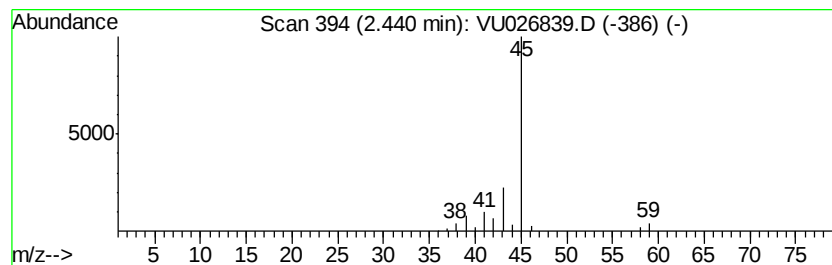
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091718WMA.M  
Quant Title : VOC Analysis

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

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Peak Number 1 Isopropyl Alcohol Concentration Rank 2

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.44 | 3.44 ug/L | 37618 | 1,4-Difluorobenzene | 5.89 |

| 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    |    |   | Isopropyl Alcohol | 60 | C3H8O   | 000067-63-0 | 9    |
| 5    |    |   | Ethylamine        | 45 | C2H7N   | 000075-04-7 | 5    |



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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 | 2.44 | 3.4     | ug/L  | 37618    | 1                     | 5.89 | 546505 | 50.0 |