

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090618\  
 Data File : VU026606.D  
 Acq On : 07 Sep 2018 02:38  
 Operator : MD/SY  
 Sample : J4750-09  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0SY9

## 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\SOMULM082918WMA.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    | 62         | 69       | 79        | rBV   | 84182       | 85452      | 14.10%       | 1.591%     |
| 2      | 1.678    | 149        | 157      | 178       | rVB   | 69538       | 89472      | 14.77%       | 1.665%     |
| 3      | 1.884    | 212        | 221      | 240       | rVB   | 85551       | 120064     | 19.82%       | 2.235%     |
| 4      | 2.270    | 331        | 341      | 353       | rBV   | 136217      | 202154     | 33.36%       | 3.763%     |
| 5      | 2.399    | 377        | 381      | 383       | rBV   | 232         | 139        | 0.02%        | 0.003%     |
| 6      | 2.444    | 385        | 395      | 415       | rBV   | 32270       | 55849      | 9.22%        | 1.040%     |
| 7      | 2.614    | 444        | 448      | 449       | rBV   | 194         | 150        | 0.02%        | 0.003%     |
| 8      | 2.704    | 471        | 476      | 480       | rBV3  | 543         | 510        | 0.08%        | 0.009%     |
| 9      | 2.842    | 507        | 519      | 529       | rBV   | 1932        | 4133       | 0.68%        | 0.077%     |
| 10     | 2.945    | 549        | 551      | 554       | rVB   | 200         | 97         | 0.02%        | 0.002%     |
| 11     | 2.984    | 561        | 563      | 565       | rBV2  | 137         | 78         | 0.01%        | 0.001%     |
| 12     | 3.093    | 594        | 597      | 603       | rVB   | 101         | 81         | 0.01%        | 0.002%     |
| 13     | 3.382    | 684        | 687      | 690       | rVB   | 109         | 67         | 0.01%        | 0.001%     |
| 14     | 3.399    | 690        | 692      | 695       | rBV   | 153         | 80         | 0.01%        | 0.001%     |
| 15     | 3.833    | 824        | 827      | 830       | rBV   | 82          | 62         | 0.01%        | 0.001%     |
| 16     | 3.913    | 850        | 852      | 858       | rVB   | 79          | 62         | 0.01%        | 0.001%     |
| 17     | 4.099    | 906        | 910      | 911       | rBV2  | 235         | 131        | 0.02%        | 0.002%     |
| 18     | 4.128    | 916        | 919      | 920       | rBV   | 148         | 87         | 0.01%        | 0.002%     |
| 19     | 4.180    | 920        | 935      | 964       | rBV   | 56864       | 151140     | 24.94%       | 2.813%     |
| 20     | 4.405    | 1001       | 1005     | 1010      | rVB2  | 239         | 200        | 0.03%        | 0.004%     |
| 21     | 4.649    | 1064       | 1081     | 1106      | rBV   | 98449       | 232130     | 38.31%       | 4.321%     |
| 22     | 4.878    | 1150       | 1152     | 1153      | rBV   | 197         | 111        | 0.02%        | 0.002%     |
| 23     | 4.919    | 1161       | 1165     | 1170      | rVB2  | 223         | 170        | 0.03%        | 0.003%     |
| 24     | 4.968    | 1174       | 1180     | 1184      | rBB2  | 359         | 419        | 0.07%        | 0.008%     |
| 25     | 4.990    | 1184       | 1187     | 1189      | rBV   | 261         | 174        | 0.03%        | 0.003%     |
| 26     | 5.013    | 1192       | 1194     | 1198      | rVB   | 142         | 68         | 0.01%        | 0.001%     |
| 27     | 5.135    | 1223       | 1232     | 1233      | rBV3  | 1167        | 1339       | 0.22%        | 0.025%     |
| 28     | 5.344    | 1273       | 1297     | 1318      | rBV2  | 198054      | 580117     | 95.74%       | 10.798%    |
| 29     | 5.466    | 1332       | 1335     | 1341      | rVB2  | 229         | 262        | 0.04%        | 0.005%     |
| 30     | 5.530    | 1353       | 1355     | 1360      | rVB   | 177         | 71         | 0.01%        | 0.001%     |
| 31     | 5.787    | 1433       | 1435     | 1440      | rBV   | 125         | 136        | 0.02%        | 0.003%     |
| 32     | 5.890    | 1451       | 1467     | 1487      | rBV   | 186701      | 362180     | 59.77%       | 6.741%     |
| 33     | 6.112    | 1533       | 1536     | 1537      | rBV   | 235         | 156        | 0.03%        | 0.003%     |
| 34     | 6.189    | 1547       | 1560     | 1578      | rVB   | 71057       | 133304     | 22.00%       | 2.481%     |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082918WMA.M  
 Title : VOC Analysis

|    |       |      |      |      |      |        |        |         |         |
|----|-------|------|------|------|------|--------|--------|---------|---------|
| 35 | 6.267 | 1582 | 1584 | 1587 | rVB  | 157    | 72     | 0.01%   | 0.001%  |
| 36 | 6.334 | 1591 | 1605 | 1627 | rBV  | 135937 | 270718 | 44.68%  | 5.039%  |
| 37 | 6.418 | 1628 | 1631 | 1633 | rVV  | 162    | 124    | 0.02%   | 0.002%  |
| 38 | 6.488 | 1650 | 1653 | 1656 | rVB  | 196    | 139    | 0.02%   | 0.003%  |
| 39 | 6.533 | 1661 | 1667 | 1668 | rBV2 | 169    | 133    | 0.02%   | 0.002%  |
| 40 | 6.633 | 1692 | 1698 | 1704 | rBV  | 121    | 171    | 0.03%   | 0.003%  |
| 41 | 6.771 | 1737 | 1741 | 1744 | rBV  | 122    | 107    | 0.02%   | 0.002%  |
| 42 | 6.823 | 1750 | 1757 | 1763 | rBV3 | 1262   | 1955   | 0.32%   | 0.036%  |
| 43 | 6.849 | 1763 | 1765 | 1771 | rVB4 | 821    | 577    | 0.10%   | 0.011%  |
| 44 | 6.984 | 1805 | 1807 | 1813 | rVB  | 181    | 82     | 0.01%   | 0.002%  |
| 45 | 7.009 | 1813 | 1815 | 1819 | rBV  | 176    | 92     | 0.02%   | 0.002%  |
| 46 | 7.231 | 1871 | 1884 | 1898 | rBV  | 69096  | 120620 | 19.91%  | 2.245%  |
| 47 | 7.337 | 1914 | 1917 | 1922 | rVB  | 203    | 127    | 0.02%   | 0.002%  |
| 48 | 7.382 | 1926 | 1931 | 1933 | rBV2 | 444    | 472    | 0.08%   | 0.009%  |
| 49 | 7.456 | 1950 | 1954 | 1955 | rBV  | 208    | 99     | 0.02%   | 0.002%  |
| 50 | 7.569 | 1974 | 1989 | 2006 | rBV  | 258332 | 442786 | 73.08%  | 8.242%  |
| 51 | 7.697 | 2024 | 2029 | 2032 | rBV2 | 185    | 147    | 0.02%   | 0.003%  |
| 52 | 7.746 | 2041 | 2044 | 2046 | rBV  | 142    | 80     | 0.01%   | 0.001%  |
| 53 | 7.810 | 2061 | 2064 | 2066 | rBV2 | 168    | 116    | 0.02%   | 0.002%  |
| 54 | 7.852 | 2066 | 2077 | 2093 | rVV  | 50358  | 81862  | 13.51%  | 1.524%  |
| 55 | 8.074 | 2140 | 2146 | 2152 | rBV4 | 948    | 1180   | 0.19%   | 0.022%  |
| 56 | 8.099 | 2152 | 2154 | 2157 | rVB  | 227    | 97     | 0.02%   | 0.002%  |
| 57 | 8.186 | 2171 | 2181 | 2182 | rBV2 | 5479   | 6865   | 1.13%   | 0.128%  |
| 58 | 8.228 | 2183 | 2194 | 2210 | rVV  | 357112 | 605916 | 100.00% | 11.278% |
| 59 | 8.312 | 2210 | 2220 | 2248 | rVB  | 189528 | 318634 | 52.59%  | 5.931%  |
| 60 | 8.488 | 2273 | 2275 | 2279 | rVB  | 232    | 109    | 0.02%   | 0.002%  |
| 61 | 8.514 | 2279 | 2283 | 2285 | rBV  | 176    | 98     | 0.02%   | 0.002%  |
| 62 | 8.543 | 2290 | 2292 | 2298 | rVB  | 147    | 85     | 0.01%   | 0.002%  |
| 63 | 8.627 | 2315 | 2318 | 2321 | rVB  | 200    | 103    | 0.02%   | 0.002%  |
| 64 | 8.662 | 2327 | 2329 | 2331 | rBV  | 154    | 62     | 0.01%   | 0.001%  |
| 65 | 8.704 | 2340 | 2342 | 2344 | rBV  | 166    | 62     | 0.01%   | 0.001%  |
| 66 | 8.742 | 2351 | 2354 | 2358 | rBV  | 163    | 123    | 0.02%   | 0.002%  |
| 67 | 8.816 | 2374 | 2377 | 2384 | rVB2 | 205    | 166    | 0.03%   | 0.003%  |
| 68 | 8.874 | 2394 | 2395 | 2400 | rVB2 | 339    | 177    | 0.03%   | 0.003%  |
| 69 | 8.903 | 2401 | 2404 | 2406 | rBV  | 143    | 88     | 0.01%   | 0.002%  |
| 70 | 8.919 | 2406 | 2409 | 2410 | rBV  | 149    | 86     | 0.01%   | 0.002%  |
| 71 | 9.093 | 2450 | 2463 | 2479 | rBV  | 267426 | 436510 | 72.04%  | 8.125%  |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082918WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 9.196  | 2493 | 2495 | 2497 | rBV2 | 161    | 69     | 0.01%  | 0.001% |
| 73  | 9.247  | 2508 | 2511 | 2512 | rBV  | 127    | 72     | 0.01%  | 0.001% |
| 74  | 9.376  | 2549 | 2551 | 2557 | rBV  | 285    | 228    | 0.04%  | 0.004% |
| 75  | 9.787  | 2676 | 2679 | 2684 | rBB2 | 192    | 160    | 0.03%  | 0.003% |
| 76  | 9.829  | 2688 | 2692 | 2693 | rBV  | 124    | 78     | 0.01%  | 0.001% |
| 77  | 9.961  | 2731 | 2733 | 2735 | rVB  | 158    | 63     | 0.01%  | 0.001% |
| 78  | 9.980  | 2736 | 2739 | 2743 | rVV  | 106    | 79     | 0.01%  | 0.001% |
| 79  | 10.434 | 2868 | 2880 | 2897 | rBV  | 188793 | 297198 | 49.05% | 5.532% |
| 80  | 10.610 | 2926 | 2935 | 2945 | rBV4 | 3061   | 4929   | 0.81%  | 0.092% |
| 81  | 10.871 | 3013 | 3016 | 3018 | rBV  | 188    | 94     | 0.02%  | 0.002% |
| 82  | 10.942 | 3036 | 3038 | 3043 | rVB  | 180    | 102    | 0.02%  | 0.002% |
| 83  | 11.196 | 3115 | 3117 | 3119 | rBV  | 148    | 97     | 0.02%  | 0.002% |
| 84  | 11.485 | 3196 | 3207 | 3224 | rBV  | 233828 | 359241 | 59.29% | 6.687% |
| 85  | 11.610 | 3243 | 3246 | 3249 | rBV  | 197    | 155    | 0.03%  | 0.003% |
| 86  | 11.749 | 3281 | 3289 | 3297 | rBV5 | 2466   | 3702   | 0.61%  | 0.069% |
| 87  | 11.861 | 3312 | 3324 | 3349 | rBV  | 248282 | 391531 | 64.62% | 7.288% |
| 88  | 11.958 | 3352 | 3354 | 3357 | rVV  | 330    | 192    | 0.03%  | 0.004% |
| 89  | 11.990 | 3360 | 3364 | 3365 | rBV  | 187    | 111    | 0.02%  | 0.002% |
| 90  | 12.067 | 3387 | 3388 | 3391 | rBV  | 145    | 66     | 0.01%  | 0.001% |
| 91  | 12.482 | 3511 | 3517 | 3523 | rVB  | 673    | 944    | 0.16%  | 0.018% |
| 92  | 13.025 | 3684 | 3686 | 3688 | rBV  | 264    | 132    | 0.02%  | 0.002% |
| 93  | 13.382 | 3793 | 3797 | 3801 | rBV2 | 337    | 260    | 0.04%  | 0.005% |
| 94  | 13.514 | 3836 | 3838 | 3841 | rBV  | 192    | 97     | 0.02%  | 0.002% |
| 95  | 13.765 | 3914 | 3916 | 3918 | rBV  | 218    | 152    | 0.03%  | 0.003% |
| 96  | 13.845 | 3940 | 3941 | 3944 | rBV  | 147    | 70     | 0.01%  | 0.001% |
| 97  | 14.196 | 4047 | 4050 | 4057 | rVB2 | 287    | 232    | 0.04%  | 0.004% |
| 98  | 14.578 | 4165 | 4169 | 4171 | rBV2 | 388    | 355    | 0.06%  | 0.007% |
| 99  | 15.697 | 4515 | 4517 | 4521 | rBV2 | 357    | 248    | 0.04%  | 0.005% |
| 100 | 16.057 | 4627 | 4629 | 4633 | rBV3 | 469    | 329    | 0.05%  | 0.006% |

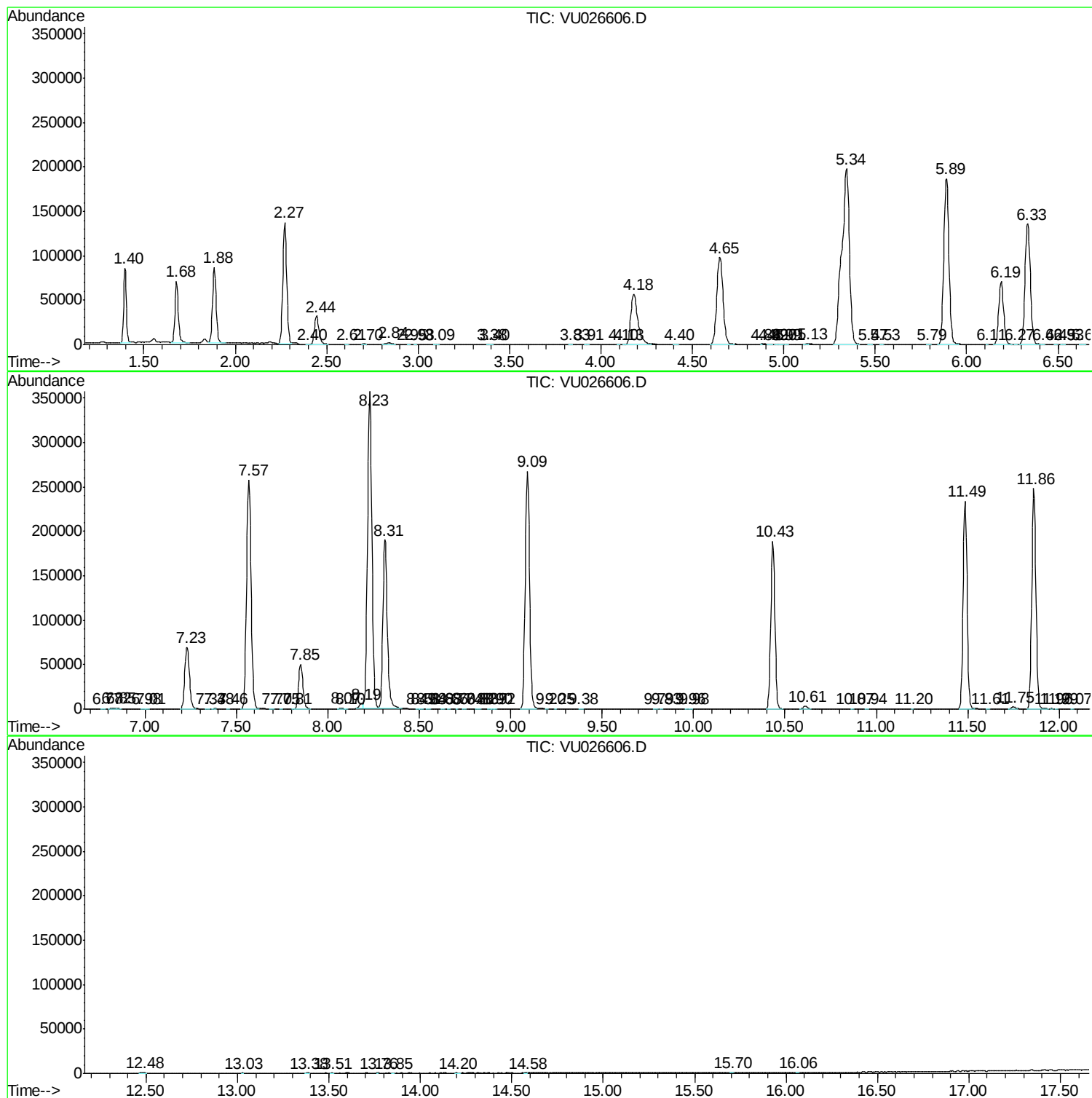
Sum of corrected areas: 5372471

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082918WMA.M  
Quant Title : VOC Analysis

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



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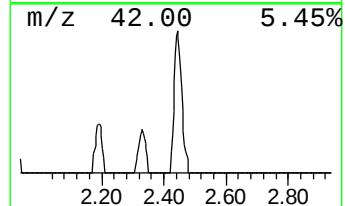
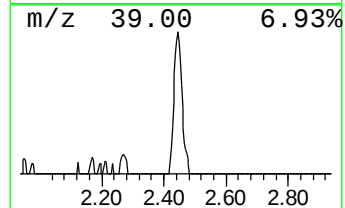
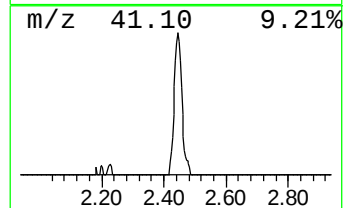
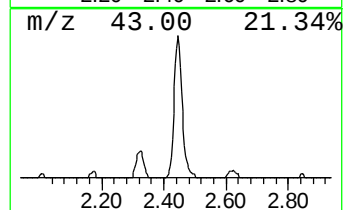
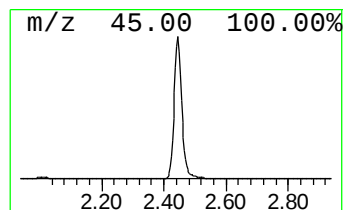
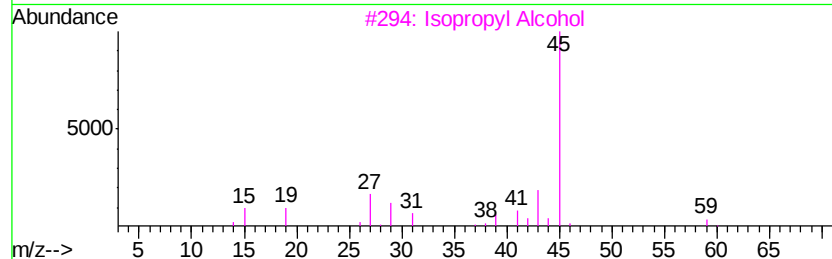
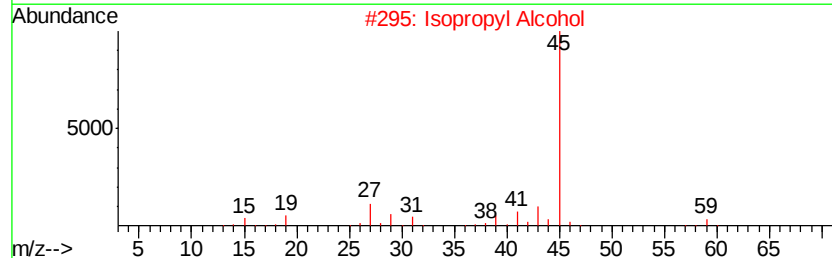
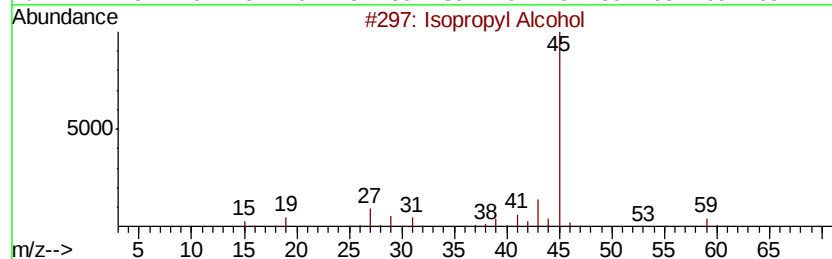
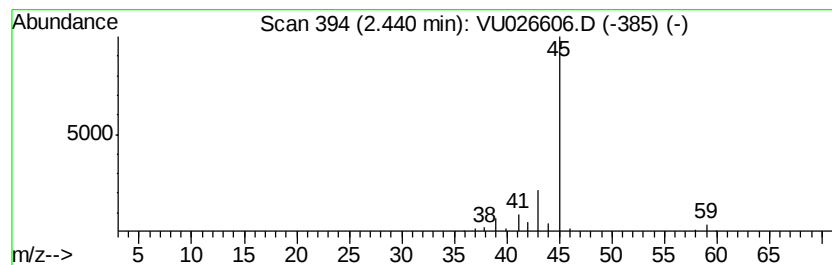
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082918WMA.M  
Quant Title : VOC Analysis

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 | 7.71 ug/L | 55849 | 1,4-Difluorobenzene | 5.89 |

| Hit# | of | 5 | Tentative ID             | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|----|---------|-------------|------|
| 1    |    |   | Isopropyl Alcohol        | 60 | C3H8O   | 000067-63-0 | 86   |
| 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 | 72   |
| 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 | 7.7     | ug/L  | 55849    | 1                     | 5.89 | 362180 | 50.0 |