

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\  
 Data File : VU028897.D  
 Acq On : 22 Dec 2018 00:42  
 Operator : MD/SY  
 Sample : J6535-07  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0TR2

## 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\SOMULM122018WMA.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       | 83        | rVB   | 95162       | 94030      | 14.20%       | 1.684%     |
| 2      | 1.665    | 145        | 153      | 170       | rVB   | 70047       | 86714      | 13.10%       | 1.553%     |
| 3      | 1.878    | 211        | 219      | 237       | rVB   | 55355       | 75691      | 11.43%       | 1.356%     |
| 4      | 2.267    | 329        | 340      | 352       | rBV   | 143313      | 214254     | 32.37%       | 3.838%     |
| 5      | 2.453    | 388        | 398      | 415       | rBV   | 14602       | 26179      | 3.95%        | 0.469%     |
| 6      | 2.627    | 439        | 452      | 461       | rVB3  | 382         | 969        | 0.15%        | 0.017%     |
| 7      | 2.829    | 507        | 515      | 527       | rBV2  | 1425        | 2726       | 0.41%        | 0.049%     |
| 8      | 3.009    | 564        | 571      | 574       | rBV   | 119         | 124        | 0.02%        | 0.002%     |
| 9      | 3.183    | 622        | 625      | 627       | rBV   | 177         | 104        | 0.02%        | 0.002%     |
| 10     | 3.196    | 627        | 629      | 632       | rVB   | 207         | 109        | 0.02%        | 0.002%     |
| 11     | 3.238    | 639        | 642      | 643       | rBV   | 86          | 55         | 0.01%        | 0.001%     |
| 12     | 3.958    | 863        | 866      | 870       | rBV   | 106         | 71         | 0.01%        | 0.001%     |
| 13     | 4.070    | 898        | 901      | 904       | rVV   | 74          | 59         | 0.01%        | 0.001%     |
| 14     | 4.176    | 920        | 934      | 966       | rBV   | 65887       | 176333     | 26.64%       | 3.159%     |
| 15     | 4.424    | 1008       | 1011     | 1012      | rBV   | 113         | 82         | 0.01%        | 0.001%     |
| 16     | 4.475    | 1025       | 1027     | 1030      | rBV   | 156         | 71         | 0.01%        | 0.001%     |
| 17     | 4.498    | 1030       | 1034     | 1038      | rVB   | 114         | 86         | 0.01%        | 0.002%     |
| 18     | 4.527    | 1038       | 1043     | 1047      | rBV   | 225         | 149        | 0.02%        | 0.003%     |
| 19     | 4.562    | 1049       | 1054     | 1058      | rBV   | 109         | 109        | 0.02%        | 0.002%     |
| 20     | 4.643    | 1062       | 1079     | 1103      | rBV   | 106717      | 246041     | 37.17%       | 4.407%     |
| 21     | 4.755    | 1112       | 1114     | 1116      | rVB   | 118         | 62         | 0.01%        | 0.001%     |
| 22     | 4.836    | 1135       | 1139     | 1141      | rBV   | 74          | 60         | 0.01%        | 0.001%     |
| 23     | 4.877    | 1149       | 1152     | 1158      | rBV2  | 252         | 334        | 0.05%        | 0.006%     |
| 24     | 4.919    | 1163       | 1165     | 1169      | rVB   | 184         | 76         | 0.01%        | 0.001%     |
| 25     | 4.948    | 1169       | 1174     | 1175      | rBV   | 95          | 75         | 0.01%        | 0.001%     |
| 26     | 4.980    | 1181       | 1184     | 1190      | rVB2  | 263         | 268        | 0.04%        | 0.005%     |
| 27     | 5.009    | 1190       | 1193     | 1196      | rBV   | 91          | 80         | 0.01%        | 0.001%     |
| 28     | 5.064    | 1207       | 1210     | 1213      | rBV   | 123         | 84         | 0.01%        | 0.002%     |
| 29     | 5.138    | 1222       | 1233     | 1241      | rBV3  | 844         | 1573       | 0.24%        | 0.028%     |
| 30     | 5.337    | 1272       | 1295     | 1320      | rBV2  | 231184      | 661990     | 100.00%      | 11.858%    |
| 31     | 5.540    | 1356       | 1358     | 1362      | rVB2  | 181         | 132        | 0.02%        | 0.002%     |
| 32     | 5.575    | 1366       | 1369     | 1374      | rBV2  | 158         | 124        | 0.02%        | 0.002%     |
| 33     | 5.684    | 1399       | 1403     | 1406      | rBV2  | 255         | 189        | 0.03%        | 0.003%     |
| 34     | 5.800    | 1431       | 1439     | 1440      | rBV   | 361         | 442        | 0.07%        | 0.008%     |

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 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\SOMULM122018WMA.M  
 Title : VOC Analysis

|    |       |      |      |      |      |        |        |        |        |
|----|-------|------|------|------|------|--------|--------|--------|--------|
| 35 | 5.884 | 1451 | 1465 | 1486 | rBV  | 196272 | 380949 | 57.55% | 6.824% |
| 36 | 6.077 | 1523 | 1525 | 1527 | rBV  | 195    | 137    | 0.02%  | 0.002% |
| 37 | 6.125 | 1538 | 1540 | 1541 | rBV  | 180    | 84     | 0.01%  | 0.002% |
| 38 | 6.186 | 1547 | 1559 | 1574 | rBV2 | 24609  | 47920  | 7.24%  | 0.858% |
| 39 | 6.247 | 1576 | 1578 | 1580 | rVB  | 186    | 79     | 0.01%  | 0.001% |
| 40 | 6.327 | 1589 | 1603 | 1626 | rBV  | 151102 | 300571 | 45.40% | 5.384% |
| 41 | 6.453 | 1640 | 1642 | 1645 | rBV2 | 288    | 166    | 0.03%  | 0.003% |
| 42 | 6.546 | 1667 | 1671 | 1676 | rVB  | 85     | 85     | 0.01%  | 0.002% |
| 43 | 6.675 | 1708 | 1711 | 1712 | rBV  | 131    | 58     | 0.01%  | 0.001% |
| 44 | 6.755 | 1733 | 1736 | 1741 | rVB  | 129    | 95     | 0.01%  | 0.002% |
| 45 | 6.784 | 1741 | 1745 | 1749 | rBV  | 122    | 117    | 0.02%  | 0.002% |
| 46 | 6.836 | 1755 | 1761 | 1765 | rBV2 | 168    | 228    | 0.03%  | 0.004% |
| 47 | 6.868 | 1768 | 1771 | 1774 | rBV  | 79     | 61     | 0.01%  | 0.001% |
| 48 | 7.122 | 1848 | 1850 | 1852 | rBV  | 128    | 57     | 0.01%  | 0.001% |
| 49 | 7.144 | 1854 | 1857 | 1861 | rBV  | 82     | 62     | 0.01%  | 0.001% |
| 50 | 7.225 | 1870 | 1882 | 1899 | rBV  | 81814  | 145895 | 22.04% | 2.613% |
| 51 | 7.318 | 1909 | 1911 | 1915 | rBV2 | 89     | 59     | 0.01%  | 0.001% |
| 52 | 7.392 | 1926 | 1934 | 1946 | rVB4 | 1480   | 2377   | 0.36%  | 0.043% |
| 53 | 7.469 | 1955 | 1958 | 1961 | rBV  | 152    | 91     | 0.01%  | 0.002% |
| 54 | 7.565 | 1974 | 1988 | 2010 | rBV  | 295197 | 523021 | 79.01% | 9.369% |
| 55 | 7.848 | 2064 | 2076 | 2097 | rBV  | 56576  | 95438  | 14.42% | 1.710% |
| 56 | 7.926 | 2097 | 2100 | 2106 | rBV2 | 260    | 219    | 0.03%  | 0.004% |
| 57 | 7.987 | 2116 | 2119 | 2122 | rVB  | 141    | 80     | 0.01%  | 0.001% |
| 58 | 8.073 | 2140 | 2146 | 2151 | rBV3 | 572    | 563    | 0.09%  | 0.010% |
| 59 | 8.180 | 2168 | 2179 | 2181 | rBV3 | 2929   | 3883   | 0.59%  | 0.070% |
| 60 | 8.228 | 2182 | 2194 | 2209 | rVV  | 291623 | 501602 | 75.77% | 8.985% |
| 61 | 8.308 | 2210 | 2219 | 2253 | rVB  | 229188 | 387193 | 58.49% | 6.936% |
| 62 | 8.578 | 2302 | 2303 | 2307 | rBV  | 215    | 106    | 0.02%  | 0.002% |
| 63 | 8.678 | 2331 | 2334 | 2335 | rBV  | 153    | 72     | 0.01%  | 0.001% |
| 64 | 8.707 | 2339 | 2343 | 2345 | rBV2 | 179    | 143    | 0.02%  | 0.003% |
| 65 | 8.739 | 2351 | 2353 | 2356 | rVB  | 136    | 59     | 0.01%  | 0.001% |
| 66 | 8.935 | 2413 | 2414 | 2417 | rVB  | 158    | 58     | 0.01%  | 0.001% |
| 67 | 8.958 | 2417 | 2421 | 2423 | rBV  | 105    | 80     | 0.01%  | 0.001% |
| 68 | 8.970 | 2423 | 2425 | 2428 | rVB  | 154    | 89     | 0.01%  | 0.002% |
| 69 | 8.990 | 2429 | 2431 | 2434 | rBV  | 110    | 67     | 0.01%  | 0.001% |
| 70 | 9.089 | 2449 | 2462 | 2485 | rBV  | 270960 | 462683 | 69.89% | 8.288% |
| 71 | 9.260 | 2512 | 2515 | 2516 | rBV  | 276    | 103    | 0.02%  | 0.002% |

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## Integration Parameters: LSCINT.P

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 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\SOMULM122018WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 9.270  | 2516 | 2518 | 2520 | rVV  | 152    | 52     | 0.01%  | 0.001% |
| 73  | 9.376  | 2546 | 2551 | 2554 | rBV  | 202    | 218    | 0.03%  | 0.004% |
| 74  | 9.411  | 2558 | 2562 | 2567 | rBV  | 120    | 148    | 0.02%  | 0.003% |
| 75  | 9.488  | 2583 | 2586 | 2593 | rBV  | 185    | 130    | 0.02%  | 0.002% |
| 76  | 9.533  | 2599 | 2600 | 2602 | rVB  | 152    | 56     | 0.01%  | 0.001% |
| 77  | 9.659  | 2636 | 2639 | 2641 | rBV  | 95     | 62     | 0.01%  | 0.001% |
| 78  | 9.906  | 2714 | 2716 | 2717 | rBV  | 117    | 51     | 0.01%  | 0.001% |
| 79  | 10.038 | 2755 | 2757 | 2761 | rVB  | 196    | 77     | 0.01%  | 0.001% |
| 80  | 10.096 | 2772 | 2775 | 2779 | rVB  | 99     | 74     | 0.01%  | 0.001% |
| 81  | 10.118 | 2779 | 2782 | 2784 | rBV  | 87     | 54     | 0.01%  | 0.001% |
| 82  | 10.363 | 2855 | 2858 | 2864 | rBV  | 124    | 132    | 0.02%  | 0.002% |
| 83  | 10.430 | 2867 | 2879 | 2894 | rBV  | 211864 | 330506 | 49.93% | 5.920% |
| 84  | 10.549 | 2910 | 2916 | 2921 | rBV  | 193    | 208    | 0.03%  | 0.004% |
| 85  | 10.607 | 2924 | 2934 | 2944 | rVV3 | 2753   | 4152   | 0.63%  | 0.074% |
| 86  | 10.749 | 2975 | 2978 | 2979 | rBV  | 110    | 69     | 0.01%  | 0.001% |
| 87  | 10.819 | 2997 | 3000 | 3002 | rBV  | 149    | 104    | 0.02%  | 0.002% |
| 88  | 11.070 | 3074 | 3078 | 3083 | rBV  | 176    | 207    | 0.03%  | 0.004% |
| 89  | 11.170 | 3106 | 3109 | 3112 | rBV  | 151    | 76     | 0.01%  | 0.001% |
| 90  | 11.482 | 3195 | 3206 | 3224 | rBV  | 240874 | 381609 | 57.65% | 6.836% |
| 91  | 11.620 | 3247 | 3249 | 3250 | rBV  | 253    | 107    | 0.02%  | 0.002% |
| 92  | 11.732 | 3282 | 3284 | 3285 | rBV  | 164    | 72     | 0.01%  | 0.001% |
| 93  | 11.758 | 3286 | 3292 | 3299 | rVV4 | 1021   | 1333   | 0.20%  | 0.024% |
| 94  | 11.858 | 3310 | 3323 | 3344 | rBV  | 256654 | 418126 | 63.16% | 7.490% |
| 95  | 12.195 | 3426 | 3428 | 3430 | rBV  | 229    | 88     | 0.01%  | 0.002% |
| 96  | 12.459 | 3508 | 3510 | 3511 | rBV  | 242    | 109    | 0.02%  | 0.002% |
| 97  | 12.539 | 3532 | 3535 | 3540 | rBV  | 247    | 257    | 0.04%  | 0.005% |
| 98  | 12.671 | 3573 | 3576 | 3578 | rBV  | 240    | 131    | 0.02%  | 0.002% |
| 99  | 12.748 | 3596 | 3600 | 3602 | rBV2 | 236    | 163    | 0.02%  | 0.003% |
| 100 | 13.089 | 3704 | 3706 | 3712 | rBV2 | 316    | 249    | 0.04%  | 0.004% |

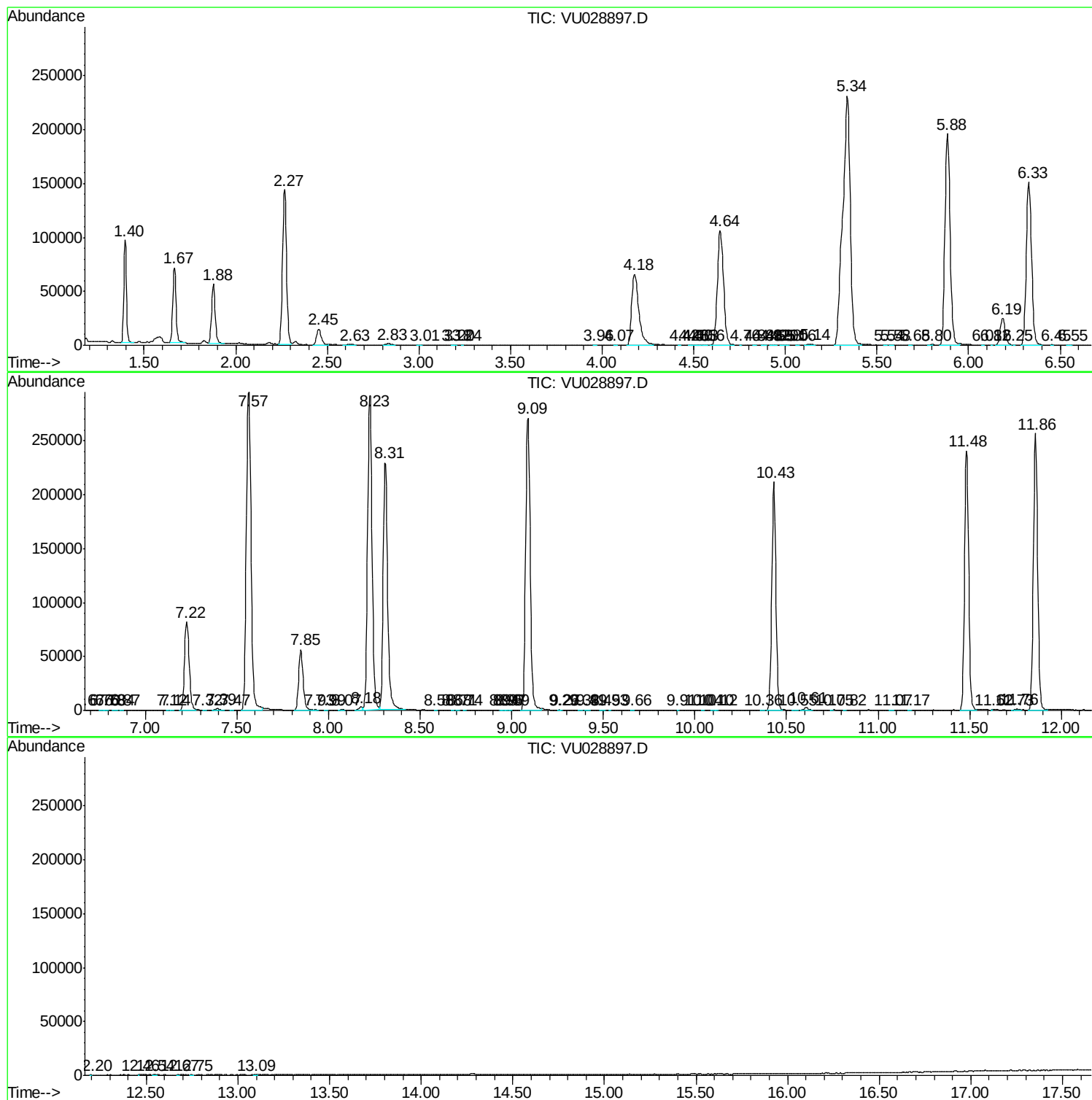
Sum of corrected areas: 5582615

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Sample : J6535-07  
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Instrument :  
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ClientSampled :  
C0TR2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM122018WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU122118\  
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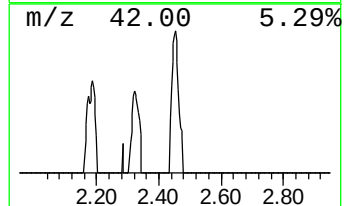
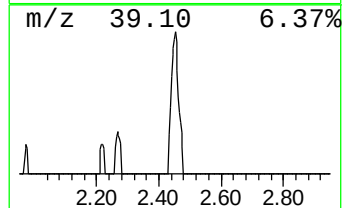
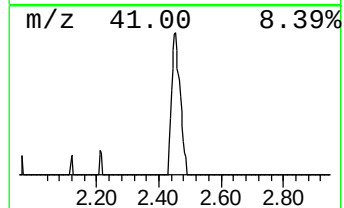
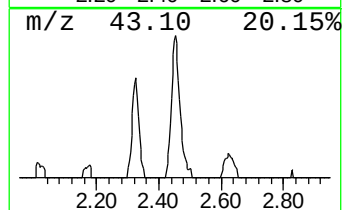
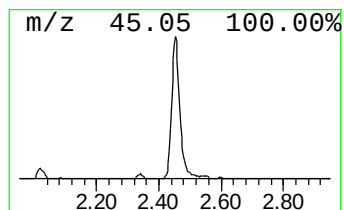
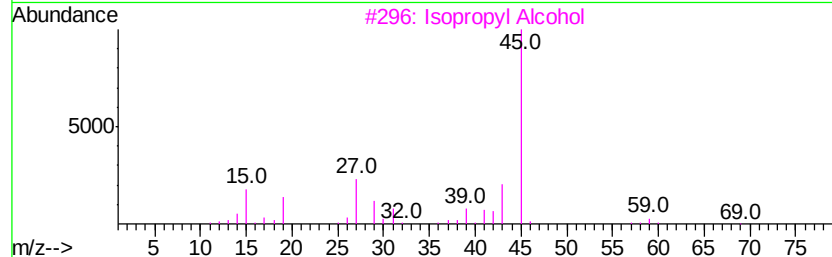
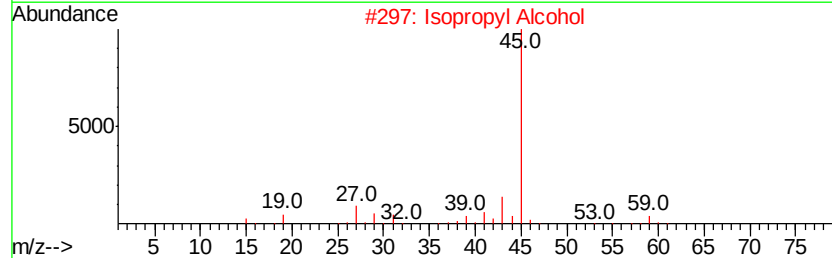
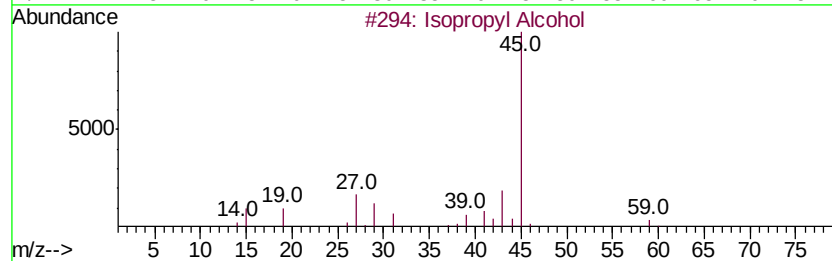
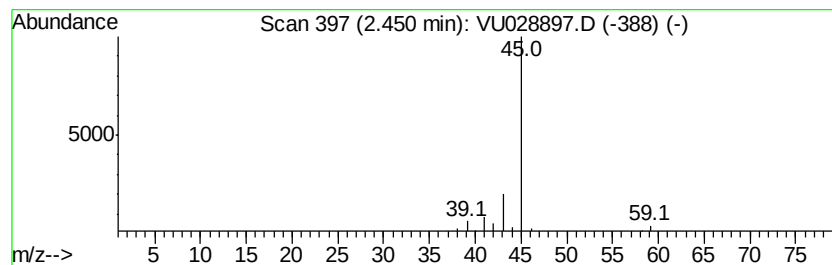
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM122018WMA.M  
Quant Title : VOC Analysis

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. |
|------|-----------|-------|---------------------|------|
| 2.45 | 3.44 ug/L | 26179 | 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    |    |   | Formamide           | 45 | CH3NO   | 000075-12-7 | 4    |
| 5    |    |   | 1-Butene, 4-methoxy | 86 | C5H10O  | 004696-30-4 | 4    |



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Quant Title : VOC Analysis

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 | 2.45 | 3.4     | ug/L  | 26179    | 1                     | 5.88 | 380949 | 50.0 |