

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU110119\  
 Data File : VU035594.D  
 Acq On : 01 Nov 2019 11:53  
 Operator : JC/SP  
 Sample : K5596-07ME  
 Misc : 2.27g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAQA8ME

## 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\SOMULM103119WMA.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         | 1.472       | 35            | 41          | 55           | rBV      | 33268          | 69314         | 2.14%           | 0.281%        |
| 2         | 1.610       | 76            | 84          | 101          | rVB      | 350190         | 434153        | 13.43%          | 1.762%        |
| 3         | 1.890       | 166           | 171         | 181          | rBV      | 196362         | 220038        | 6.81%           | 0.893%        |
| 4         | 2.559       | 366           | 379         | 397          | rBV      | 603497         | 1008352       | 31.19%          | 4.092%        |
| 5         | 2.870       | 469           | 476         | 478          | rBV4     | 1311           | 1496          | 0.05%           | 0.006%        |
| 6         | 3.002       | 508           | 517         | 526          | rBV2     | 5070           | 9198          | 0.28%           | 0.037%        |
| 7         | 3.076       | 531           | 540         | 551          | rVB6     | 7336           | 15519         | 0.48%           | 0.063%        |
| 8         | 3.141       | 551           | 560         | 568          | rVB6     | 3436           | 6112          | 0.19%           | 0.025%        |
| 9         | 3.227       | 572           | 587         | 608          | rBV      | 22073          | 58908         | 1.82%           | 0.239%        |
| 10        | 3.710       | 731           | 737         | 746          | rBV6     | 1750           | 2950          | 0.09%           | 0.012%        |
| 11        | 3.774       | 752           | 757         | 760          | rBV4     | 459            | 375           | 0.01%           | 0.002%        |
| 12        | 3.822       | 766           | 772         | 775          | rBV      | 536            | 441           | 0.01%           | 0.002%        |
| 13        | 3.883       | 789           | 791         | 795          | rVB2     | 533            | 396           | 0.01%           | 0.002%        |
| 14        | 3.922       | 800           | 803         | 808          | rVB3     | 592            | 446           | 0.01%           | 0.002%        |
| 15        | 4.005       | 821           | 829         | 832          | rBV4     | 924            | 1265          | 0.04%           | 0.005%        |
| 16        | 4.022       | 832           | 834         | 839          | rVV3     | 1190           | 959           | 0.03%           | 0.004%        |
| 17        | 4.044       | 839           | 841         | 848          | rVB3     | 569            | 520           | 0.02%           | 0.002%        |
| 18        | 4.308       | 920           | 923         | 928          | rVB2     | 488            | 366           | 0.01%           | 0.001%        |
| 19        | 4.446       | 958           | 966         | 971          | rBV5     | 586            | 514           | 0.02%           | 0.002%        |
| 20        | 4.623       | 1018          | 1021        | 1024         | rBV2     | 550            | 407           | 0.01%           | 0.002%        |
| 21        | 4.706       | 1031          | 1047        | 1085         | rBV      | 243218         | 742652        | 22.97%          | 3.014%        |
| 22        | 4.877       | 1086          | 1100        | 1126         | rVB      | 118921         | 290118        | 8.97%           | 1.177%        |
| 23        | 5.112       | 1156          | 1173        | 1199         | rBV      | 519942         | 1234759       | 38.19%          | 5.011%        |
| 24        | 5.333       | 1233          | 1242        | 1249         | rBV7     | 2170           | 3499          | 0.11%           | 0.014%        |
| 25        | 5.385       | 1252          | 1258        | 1259         | rBV4     | 1094           | 911           | 0.03%           | 0.004%        |
| 26        | 5.414       | 1259          | 1267        | 1268         | rBV5     | 1495           | 1899          | 0.06%           | 0.008%        |
| 27        | 5.478       | 1283          | 1287        | 1291         | rVB3     | 501            | 385           | 0.01%           | 0.002%        |
| 28        | 5.497       | 1291          | 1293        | 1297         | rVB2     | 559            | 356           | 0.01%           | 0.001%        |
| 29        | 5.523       | 1297          | 1301        | 1304         | rBV2     | 475            | 354           | 0.01%           | 0.001%        |
| 30        | 5.571       | 1315          | 1316        | 1323         | rVB3     | 518            | 402           | 0.01%           | 0.002%        |
| 31        | 5.764       | 1355          | 1376        | 1413         | rVV2     | 1300161        | 3232861       | 100.00%         | 13.119%       |
| 32        | 5.954       | 1432          | 1435        | 1439         | rVB3     | 784            | 556           | 0.02%           | 0.002%        |
| 33        | 5.973       | 1439          | 1441        | 1444         | rBV3     | 694            | 447           | 0.01%           | 0.002%        |
| 34        | 6.047       | 1452          | 1464        | 1479         | rBV8     | 5118           | 13250         | 0.41%           | 0.054%        |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM103119WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 35 | 6.131  | 1486 | 1490 | 1492 | rBV3 | 944     | 717     | 0.02%  | 0.003%  |
| 36 | 6.150  | 1493 | 1496 | 1499 | rVV4 | 1424    | 1110    | 0.03%  | 0.005%  |
| 37 | 6.214  | 1511 | 1516 | 1517 | rBV4 | 676     | 580     | 0.02%  | 0.002%  |
| 38 | 6.292  | 1524 | 1540 | 1563 | rBV  | 959612  | 1916075 | 59.27% | 7.776%  |
| 39 | 6.568  | 1614 | 1626 | 1629 | rBV7 | 4547    | 7073    | 0.22%  | 0.029%  |
| 40 | 6.661  | 1649 | 1655 | 1661 | rBV5 | 3652    | 5144    | 0.16%  | 0.021%  |
| 41 | 6.732  | 1662 | 1677 | 1701 | rVB  | 715075  | 1440974 | 44.57% | 5.848%  |
| 42 | 6.957  | 1741 | 1747 | 1750 | rVB4 | 958     | 979     | 0.03%  | 0.004%  |
| 43 | 6.973  | 1750 | 1752 | 1755 | rBV3 | 508     | 401     | 0.01%  | 0.002%  |
| 44 | 7.234  | 1828 | 1833 | 1842 | rVB8 | 2767    | 4004    | 0.12%  | 0.016%  |
| 45 | 7.375  | 1872 | 1877 | 1881 | rBV6 | 818     | 921     | 0.03%  | 0.004%  |
| 46 | 7.520  | 1919 | 1922 | 1925 | rBV2 | 479     | 377     | 0.01%  | 0.002%  |
| 47 | 7.603  | 1934 | 1948 | 1974 | rBV  | 398857  | 751337  | 23.24% | 3.049%  |
| 48 | 7.722  | 1983 | 1985 | 1988 | rBV2 | 795     | 372     | 0.01%  | 0.002%  |
| 49 | 7.828  | 2013 | 2018 | 2019 | rBV4 | 1266    | 1076    | 0.03%  | 0.004%  |
| 50 | 7.935  | 2036 | 2051 | 2066 | rBV  | 1517005 | 2681764 | 82.95% | 10.883% |
| 51 | 8.002  | 2068 | 2072 | 2079 | rVB3 | 8134    | 11356   | 0.35%  | 0.046%  |
| 52 | 8.217  | 2126 | 2139 | 2156 | rBV  | 275793  | 523750  | 16.20% | 2.125%  |
| 53 | 8.391  | 2188 | 2193 | 2201 | rBV6 | 1738    | 2253    | 0.07%  | 0.009%  |
| 54 | 8.449  | 2208 | 2211 | 2213 | rBV3 | 803     | 503     | 0.02%  | 0.002%  |
| 55 | 8.491  | 2220 | 2224 | 2225 | rBV3 | 853     | 622     | 0.02%  | 0.003%  |
| 56 | 8.500  | 2225 | 2227 | 2232 | rVB5 | 1449    | 1004    | 0.03%  | 0.004%  |
| 57 | 8.562  | 2237 | 2246 | 2259 | rVB4 | 11936   | 21274   | 0.66%  | 0.086%  |
| 58 | 8.629  | 2263 | 2267 | 2270 | rBV3 | 559     | 433     | 0.01%  | 0.002%  |
| 59 | 8.690  | 2270 | 2286 | 2329 | rBV  | 800216  | 1723716 | 53.32% | 6.995%  |
| 60 | 8.954  | 2362 | 2368 | 2377 | rVB7 | 3366    | 5061    | 0.16%  | 0.021%  |
| 61 | 8.996  | 2377 | 2381 | 2383 | rBV3 | 682     | 455     | 0.01%  | 0.002%  |
| 62 | 9.143  | 2421 | 2427 | 2433 | rBV6 | 1261    | 1791    | 0.06%  | 0.007%  |
| 63 | 9.192  | 2438 | 2442 | 2443 | rBV2 | 608     | 385     | 0.01%  | 0.002%  |
| 64 | 9.234  | 2447 | 2455 | 2463 | rVB2 | 8822    | 13609   | 0.42%  | 0.055%  |
| 65 | 9.304  | 2474 | 2477 | 2481 | rVB3 | 631     | 540     | 0.02%  | 0.002%  |
| 66 | 9.452  | 2508 | 2523 | 2555 | rBV  | 1372915 | 2420773 | 74.88% | 9.824%  |
| 67 | 9.597  | 2563 | 2568 | 2569 | rBV2 | 2540    | 2009    | 0.06%  | 0.008%  |
| 68 | 9.725  | 2597 | 2608 | 2618 | rBV2 | 10478   | 18219   | 0.56%  | 0.074%  |
| 69 | 9.777  | 2618 | 2624 | 2626 | rBV4 | 417     | 405     | 0.01%  | 0.002%  |
| 70 | 9.851  | 2643 | 2647 | 2652 | rBV3 | 438     | 368     | 0.01%  | 0.001%  |
| 71 | 10.053 | 2707 | 2710 | 2713 | rBV2 | 476     | 410     | 0.01%  | 0.002%  |

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 GAQA8ME

## Integration Parameters: LSCINT.P

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM103119WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 10.269 | 2774 | 2777 | 2782 | rVV4 | 428     | 416     | 0.01%  | 0.002% |
| 73  | 10.388 | 2809 | 2814 | 2817 | rVB2 | 563     | 525     | 0.02%  | 0.002% |
| 74  | 10.504 | 2845 | 2850 | 2851 | rBV2 | 907     | 642     | 0.02%  | 0.003% |
| 75  | 10.558 | 2862 | 2867 | 2875 | rVB5 | 1592    | 2174    | 0.07%  | 0.009% |
| 76  | 10.790 | 2923 | 2939 | 2957 | rVV  | 1036532 | 1751016 | 54.16% | 7.106% |
| 77  | 10.915 | 2970 | 2978 | 2991 | rVB  | 10196   | 15975   | 0.49%  | 0.065% |
| 78  | 11.105 | 3035 | 3037 | 3038 | rBV  | 780     | 361     | 0.01%  | 0.001% |
| 79  | 11.442 | 3136 | 3142 | 3147 | rVB5 | 1691    | 1952    | 0.06%  | 0.008% |
| 80  | 11.494 | 3151 | 3158 | 3164 | rBV6 | 2276    | 3354    | 0.10%  | 0.014% |
| 81  | 11.716 | 3222 | 3227 | 3228 | rBV2 | 493     | 410     | 0.01%  | 0.002% |
| 82  | 11.758 | 3237 | 3240 | 3241 | rBV2 | 726     | 387     | 0.01%  | 0.002% |
| 83  | 11.841 | 3252 | 3266 | 3287 | rBV  | 1101327 | 1894423 | 58.60% | 7.688% |
| 84  | 11.954 | 3295 | 3301 | 3311 | rVB6 | 4176    | 6133    | 0.19%  | 0.025% |
| 85  | 12.005 | 3314 | 3317 | 3320 | rBV2 | 506     | 399     | 0.01%  | 0.002% |
| 86  | 12.086 | 3335 | 3342 | 3353 | rBV8 | 2776    | 4627    | 0.14%  | 0.019% |
| 87  | 12.221 | 3370 | 3384 | 3400 | rBV  | 1186654 | 2002223 | 61.93% | 8.125% |
| 88  | 12.352 | 3420 | 3425 | 3428 | rVB3 | 1272    | 1003    | 0.03%  | 0.004% |
| 89  | 12.401 | 3433 | 3440 | 3449 | rVB4 | 7085    | 10516   | 0.33%  | 0.043% |
| 90  | 12.462 | 3454 | 3459 | 3466 | rVB4 | 3183    | 3516    | 0.11%  | 0.014% |
| 91  | 12.532 | 3479 | 3481 | 3483 | rBV2 | 719     | 433     | 0.01%  | 0.002% |
| 92  | 12.793 | 3554 | 3562 | 3570 | rVB  | 8884    | 14446   | 0.45%  | 0.059% |
| 93  | 13.240 | 3695 | 3701 | 3709 | rBV9 | 1700    | 2802    | 0.09%  | 0.011% |
| 94  | 13.407 | 3750 | 3753 | 3756 | rBV3 | 478     | 369     | 0.01%  | 0.001% |
| 95  | 13.465 | 3767 | 3771 | 3773 | rBV4 | 742     | 565     | 0.02%  | 0.002% |
| 96  | 13.664 | 3830 | 3833 | 3835 | rBV3 | 702     | 425     | 0.01%  | 0.002% |
| 97  | 14.037 | 3947 | 3949 | 3951 | rBV2 | 769     | 357     | 0.01%  | 0.001% |
| 98  | 14.108 | 3964 | 3971 | 3980 | rBV  | 3231    | 4564    | 0.14%  | 0.019% |
| 99  | 14.317 | 4032 | 4036 | 4040 | rBV5 | 1348    | 1582    | 0.05%  | 0.006% |
| 100 | 14.446 | 4074 | 4076 | 4078 | rBV  | 952     | 586     | 0.02%  | 0.002% |

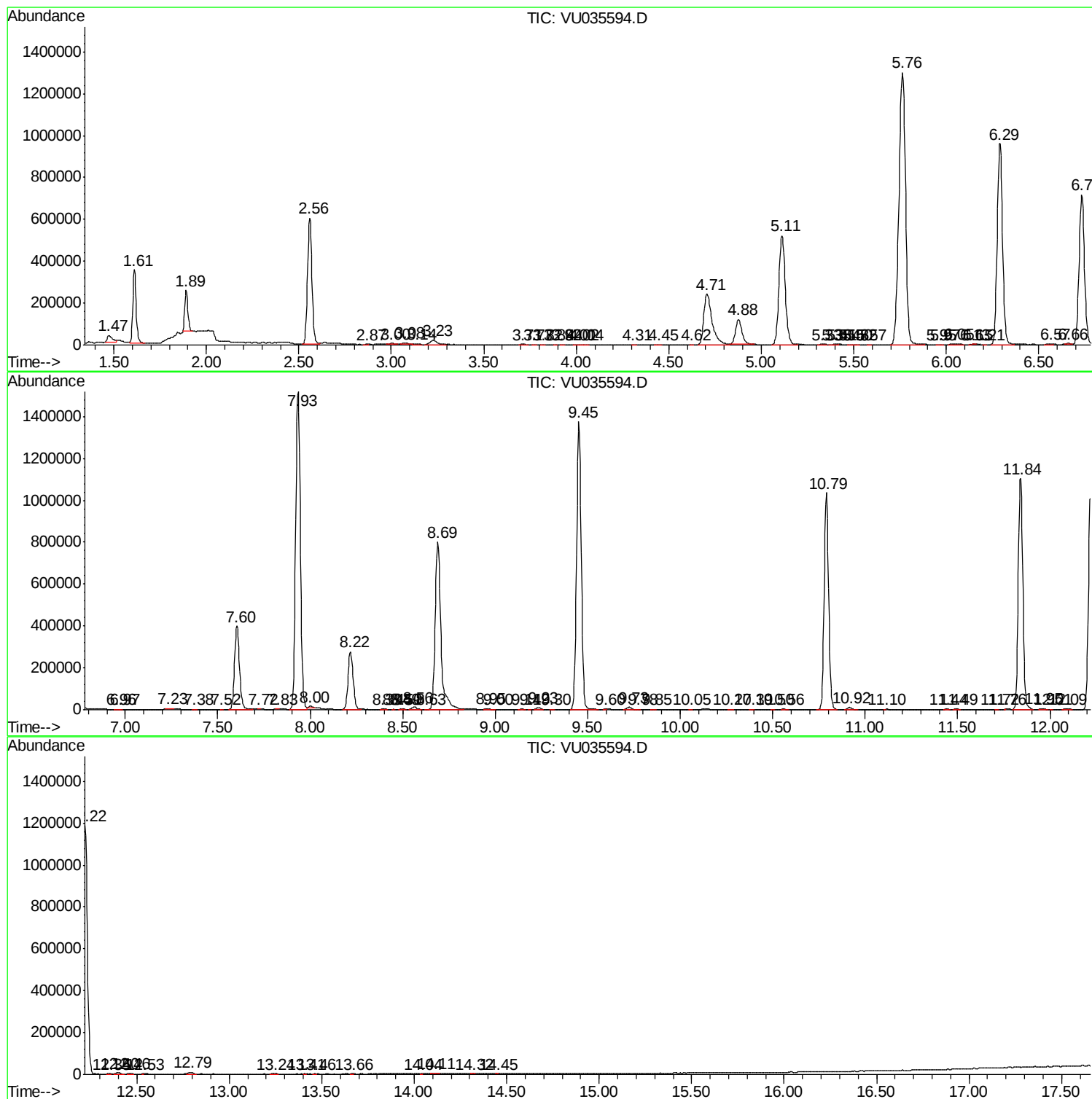
Sum of corrected areas: 24642199

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM103119WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU110119\  
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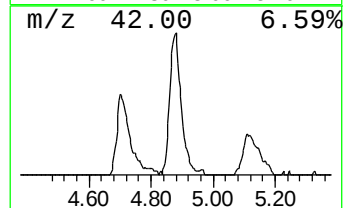
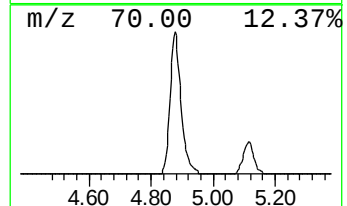
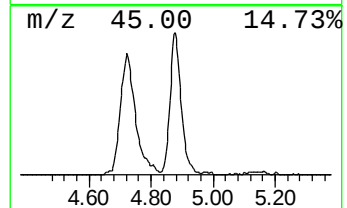
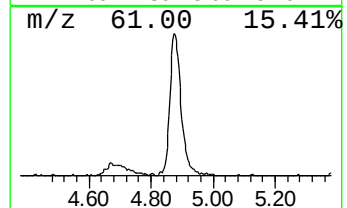
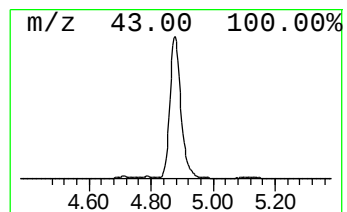
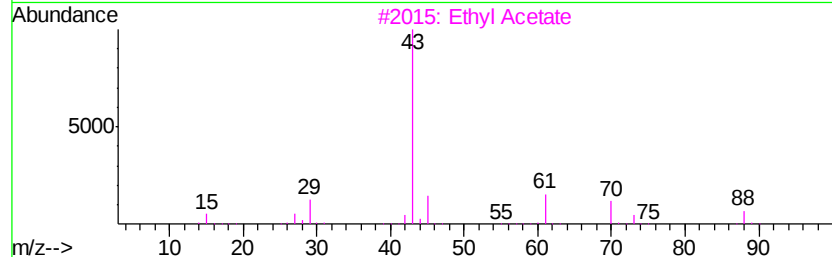
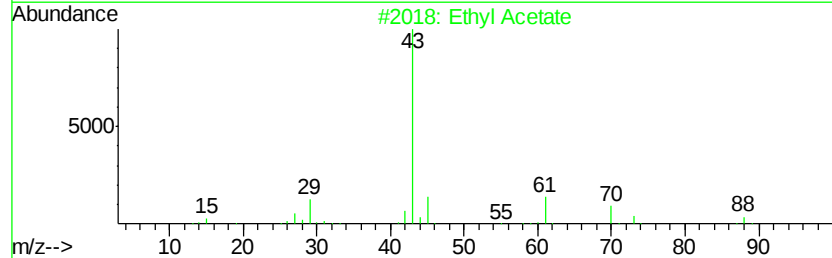
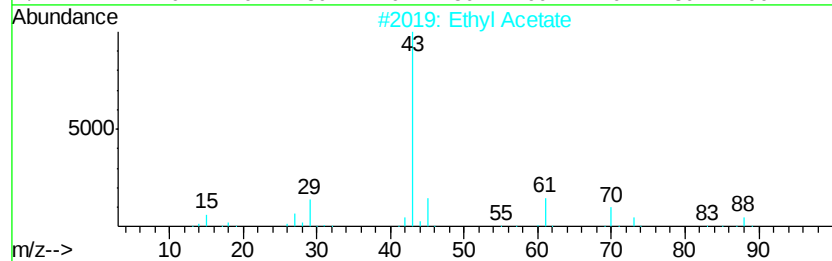
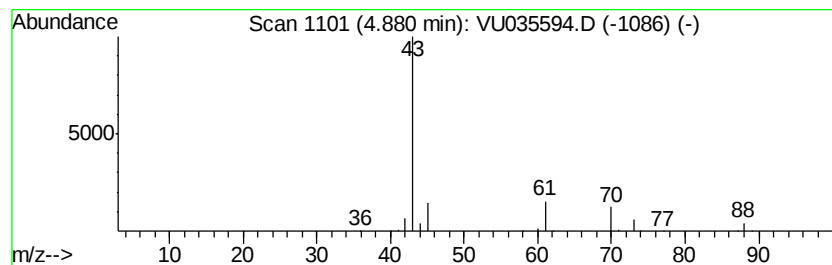
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM103119WMA.M  
Quant Title : VOC Analysis

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

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Peak Number 1 Ethyl Acetate Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 4.88 | 7.57 ug/L | 290118 | 1,4-Difluorobenzene | 6.29 |

| Hit# | of | 5 | Tentative ID    | MW | MolForm | CAS#        | Qual |
|------|----|---|-----------------|----|---------|-------------|------|
| 1    |    |   | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 90   |
| 2    |    |   | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 86   |
| 3    |    |   | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 83   |
| 4    |    |   | Ethyl Acetate   | 88 | C4H8O2  | 000141-78-6 | 59   |
| 5    |    |   | CH3C(O)CH2CH2OH | 88 | C4H8O2  | 000590-90-9 | 40   |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                  |      |         |       |          | #                     | RT   | Resp    | Conc |
| Ethyl Acetate    | 4.88 | 7.6     | ug/L  | 290118   | 1                     | 6.29 | 1916080 | 50.0 |