

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082620\  
 Data File : VV08100.D  
 Acq On : 26 Aug 2020 10:17  
 Operator : SY/MD  
 Sample : VV0826MBL01  
 Misc : 5.0µL/5.0mL/100µL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK93

## 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\_V\METHOD\SOMVLM081120WMA.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         | 1.312       | 62            | 69          | 85           | rVB      | 158392         | 163169        | 14.99%          | 2.013%        |
| 2         | 1.576       | 143           | 151         | 164          | rBV      | 136597         | 154212        | 14.17%          | 1.903%        |
| 3         | 2.119       | 309           | 320         | 351          | rVB      | 280386         | 428225        | 39.34%          | 5.284%        |
| 4         | 2.309       | 371           | 379         | 387          | rVB      | 1809           | 2583          | 0.24%           | 0.032%        |
| 5         | 2.364       | 393           | 396         | 398          | rBV2     | 208            | 142           | 0.01%           | 0.002%        |
| 6         | 2.525       | 438           | 446         | 456          | rVB2     | 2128           | 3616          | 0.33%           | 0.045%        |
| 7         | 2.563       | 456           | 458         | 462          | rVB3     | 223            | 140           | 0.01%           | 0.002%        |
| 8         | 2.608       | 469           | 472         | 474          | rBV      | 128            | 79            | 0.01%           | 0.001%        |
| 9         | 2.631       | 474           | 479         | 481          | rBV2     | 342            | 307           | 0.03%           | 0.004%        |
| 10        | 2.695       | 496           | 499         | 504          | rBV2     | 117            | 134           | 0.01%           | 0.002%        |
| 11        | 2.785       | 519           | 527         | 533          | rVB5     | 1283           | 1784          | 0.16%           | 0.022%        |
| 12        | 3.074       | 614           | 617         | 620          | rVV2     | 141            | 119           | 0.01%           | 0.001%        |
| 13        | 3.203       | 654           | 657         | 659          | rBV      | 140            | 94            | 0.01%           | 0.001%        |
| 14        | 3.328       | 692           | 696         | 698          | rBV      | 87             | 77            | 0.01%           | 0.001%        |
| 15        | 3.441       | 728           | 731         | 734          | rVV      | 93             | 73            | 0.01%           | 0.001%        |
| 16        | 3.534       | 751           | 760         | 767          | rBV2     | 252            | 594           | 0.05%           | 0.007%        |
| 17        | 3.569       | 767           | 771         | 773          | rBV      | 146            | 130           | 0.01%           | 0.002%        |
| 18        | 3.608       | 779           | 783         | 785          | rBV      | 108            | 91            | 0.01%           | 0.001%        |
| 19        | 3.647       | 791           | 795         | 799          | rBV2     | 98             | 86            | 0.01%           | 0.001%        |
| 20        | 3.717       | 814           | 817         | 820          | rBV2     | 94             | 77            | 0.01%           | 0.001%        |
| 21        | 3.836       | 851           | 854         | 856          | rBV      | 214            | 182           | 0.02%           | 0.002%        |
| 22        | 3.907       | 865           | 876         | 911          | rBV      | 67187          | 213135        | 19.58%          | 2.630%        |
| 23        | 4.370       | 1002          | 1020        | 1047         | rBV      | 170952         | 429978        | 39.50%          | 5.306%        |
| 24        | 4.669       | 1111          | 1113        | 1115         | rBV      | 154            | 91            | 0.01%           | 0.001%        |
| 25        | 4.695       | 1115          | 1121        | 1125         | rVV2     | 384            | 543           | 0.05%           | 0.007%        |
| 26        | 4.714       | 1125          | 1127        | 1128         | rVB      | 281            | 109           | 0.01%           | 0.001%        |
| 27        | 4.766       | 1137          | 1143        | 1145         | rBV2     | 109            | 105           | 0.01%           | 0.001%        |
| 28        | 4.852       | 1165          | 1170        | 1177         | rVB4     | 347            | 493           | 0.05%           | 0.006%        |
| 29        | 5.068       | 1219          | 1237        | 1275         | rBV2     | 423980         | 1088584       | 100.00%         | 13.433%       |
| 30        | 5.364       | 1324          | 1329        | 1332         | rBV2     | 334            | 305           | 0.03%           | 0.004%        |
| 31        | 5.431       | 1341          | 1350        | 1351         | rBV2     | 282            | 334           | 0.03%           | 0.004%        |
| 32        | 5.470       | 1360          | 1362        | 1366         | rVB      | 139            | 82            | 0.01%           | 0.001%        |
| 33        | 5.492       | 1366          | 1369        | 1373         | rBV2     | 181            | 152           | 0.01%           | 0.002%        |
| 34        | 5.512       | 1373          | 1375        | 1379         | rBV      | 191            | 161           | 0.01%           | 0.002%        |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081120WMA.M  
 Title : VOC Analysis

|    |       |      |      |      |      |        |        |        |         |
|----|-------|------|------|------|------|--------|--------|--------|---------|
| 35 | 5.637 | 1401 | 1414 | 1442 | rBV  | 320120 | 635780 | 58.40% | 7.845%  |
| 36 | 5.926 | 1493 | 1504 | 1526 | rVB2 | 16781  | 35861  | 3.29%  | 0.443%  |
| 37 | 6.090 | 1541 | 1555 | 1586 | rBV  | 242842 | 491430 | 45.14% | 6.064%  |
| 38 | 6.232 | 1595 | 1599 | 1601 | rBV3 | 339    | 214    | 0.02%  | 0.003%  |
| 39 | 6.505 | 1681 | 1684 | 1687 | rBV  | 101    | 72     | 0.01%  | 0.001%  |
| 40 | 6.544 | 1690 | 1696 | 1701 | rVV2 | 342    | 385    | 0.04%  | 0.005%  |
| 41 | 6.650 | 1725 | 1729 | 1730 | rBV2 | 194    | 131    | 0.01%  | 0.002%  |
| 42 | 6.856 | 1790 | 1793 | 1796 | rBV2 | 98     | 83     | 0.01%  | 0.001%  |
| 43 | 7.003 | 1828 | 1839 | 1864 | rBV  | 128986 | 233984 | 21.49% | 2.887%  |
| 44 | 7.190 | 1892 | 1897 | 1898 | rBV  | 431    | 346    | 0.03%  | 0.004%  |
| 45 | 7.257 | 1914 | 1918 | 1930 | rVB4 | 576    | 842    | 0.08%  | 0.010%  |
| 46 | 7.335 | 1930 | 1942 | 1977 | rBV  | 499226 | 852853 | 78.35% | 10.524% |
| 47 | 7.566 | 2012 | 2014 | 2017 | rVB2 | 242    | 117    | 0.01%  | 0.001%  |
| 48 | 7.585 | 2017 | 2020 | 2025 | rVB3 | 197    | 171    | 0.02%  | 0.002%  |
| 49 | 7.640 | 2025 | 2037 | 2067 | rBV  | 94030  | 163175 | 14.99% | 2.014%  |
| 50 | 7.769 | 2075 | 2077 | 2081 | rVB  | 309    | 148    | 0.01%  | 0.002%  |
| 51 | 7.810 | 2088 | 2090 | 2096 | rVB  | 259    | 219    | 0.02%  | 0.003%  |
| 52 | 7.859 | 2102 | 2105 | 2107 | rBV  | 253    | 170    | 0.02%  | 0.002%  |
| 53 | 7.872 | 2107 | 2109 | 2115 | rVB2 | 360    | 246    | 0.02%  | 0.003%  |
| 54 | 8.000 | 2144 | 2149 | 2162 | rVB4 | 819    | 1130   | 0.10%  | 0.014%  |
| 55 | 8.106 | 2172 | 2182 | 2217 | rBV  | 181574 | 354837 | 32.60% | 4.379%  |
| 56 | 8.383 | 2265 | 2268 | 2272 | rBV  | 341    | 257    | 0.02%  | 0.003%  |
| 57 | 8.447 | 2280 | 2288 | 2296 | rVB3 | 850    | 1445   | 0.13%  | 0.018%  |
| 58 | 8.527 | 2311 | 2313 | 2316 | rVB2 | 204    | 92     | 0.01%  | 0.001%  |
| 59 | 8.560 | 2320 | 2323 | 2327 | rVB2 | 144    | 102    | 0.01%  | 0.001%  |
| 60 | 8.785 | 2390 | 2393 | 2396 | rBV  | 216    | 198    | 0.02%  | 0.002%  |
| 61 | 8.823 | 2402 | 2405 | 2408 | rBV  | 126    | 80     | 0.01%  | 0.001%  |
| 62 | 8.872 | 2408 | 2420 | 2456 | rBV  | 491981 | 794607 | 72.99% | 9.805%  |
| 63 | 9.013 | 2462 | 2464 | 2466 | rBV  | 165    | 97     | 0.01%  | 0.001%  |
| 64 | 9.167 | 2505 | 2512 | 2515 | rBV3 | 770    | 906    | 0.08%  | 0.011%  |
| 65 | 9.225 | 2527 | 2530 | 2536 | rBV2 | 101    | 106    | 0.01%  | 0.001%  |
| 66 | 9.502 | 2614 | 2616 | 2618 | rBV2 | 164    | 102    | 0.01%  | 0.001%  |
| 67 | 9.550 | 2628 | 2631 | 2632 | rBV  | 278    | 133    | 0.01%  | 0.002%  |
| 68 | 9.569 | 2632 | 2637 | 2639 | rVV2 | 537    | 514    | 0.05%  | 0.006%  |
| 69 | 9.582 | 2639 | 2641 | 2642 | rVV  | 333    | 108    | 0.01%  | 0.001%  |
| 70 | 9.724 | 2680 | 2685 | 2688 | rBV2 | 139    | 128    | 0.01%  | 0.002%  |
| 71 | 9.961 | 2750 | 2759 | 2769 | rBV4 | 891    | 1465   | 0.13%  | 0.018%  |

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
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Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081120WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |         |
|-----|--------|------|------|------|------|--------|--------|--------|---------|
| 72  | 10.129 | 2808 | 2811 | 2813 | rBV  | 125    | 99     | 0.01%  | 0.001%  |
| 73  | 10.235 | 2831 | 2844 | 2860 | rBV  | 285995 | 450233 | 41.36% | 5.556%  |
| 74  | 10.457 | 2909 | 2913 | 2915 | rBV2 | 220    | 176    | 0.02%  | 0.002%  |
| 75  | 10.563 | 2940 | 2946 | 2957 | rVB4 | 900    | 1255   | 0.12%  | 0.015%  |
| 76  | 10.939 | 3058 | 3063 | 3073 | rVB  | 743    | 1012   | 0.09%  | 0.012%  |
| 77  | 11.209 | 3140 | 3147 | 3154 | rVB4 | 1197   | 1920   | 0.18%  | 0.024%  |
| 78  | 11.270 | 3154 | 3166 | 3190 | rBV  | 504286 | 762678 | 70.06% | 9.411%  |
| 79  | 11.428 | 3211 | 3215 | 3217 | rBV2 | 207    | 126    | 0.01%  | 0.002%  |
| 80  | 11.441 | 3217 | 3219 | 3221 | rBV  | 189    | 79     | 0.01%  | 0.001%  |
| 81  | 11.469 | 3226 | 3228 | 3232 | rVB2 | 184    | 80     | 0.01%  | 0.001%  |
| 82  | 11.563 | 3254 | 3257 | 3260 | rBV3 | 185    | 127    | 0.01%  | 0.002%  |
| 83  | 11.598 | 3266 | 3268 | 3270 | rBV  | 151    | 71     | 0.01%  | 0.001%  |
| 84  | 11.646 | 3270 | 3283 | 3302 | rBV  | 517688 | 810538 | 74.46% | 10.002% |
| 85  | 11.842 | 3341 | 3344 | 3346 | rBV2 | 236    | 130    | 0.01%  | 0.002%  |
| 86  | 11.904 | 3360 | 3363 | 3364 | rBV  | 161    | 82     | 0.01%  | 0.001%  |
| 87  | 11.932 | 3370 | 3372 | 3377 | rVB  | 281    | 137    | 0.01%  | 0.002%  |
| 88  | 12.042 | 3402 | 3406 | 3410 | rVB3 | 303    | 276    | 0.03%  | 0.003%  |
| 89  | 12.347 | 3499 | 3501 | 3504 | rVB2 | 215    | 84     | 0.01%  | 0.001%  |
| 90  | 12.399 | 3515 | 3517 | 3521 | rVB2 | 342    | 210    | 0.02%  | 0.003%  |
| 91  | 12.421 | 3521 | 3524 | 3529 | rBV2 | 252    | 296    | 0.03%  | 0.004%  |
| 92  | 12.505 | 3547 | 3550 | 3552 | rBV  | 199    | 141    | 0.01%  | 0.002%  |
| 93  | 12.672 | 3595 | 3602 | 3610 | rBV  | 1924   | 2374   | 0.22%  | 0.029%  |
| 94  | 13.045 | 3716 | 3718 | 3723 | rBV2 | 246    | 196    | 0.02%  | 0.002%  |
| 95  | 13.289 | 3788 | 3794 | 3804 | rBV3 | 1850   | 2638   | 0.24%  | 0.033%  |
| 96  | 13.534 | 3862 | 3870 | 3878 | rBV2 | 2400   | 3084   | 0.28%  | 0.038%  |
| 97  | 13.733 | 3930 | 3932 | 3935 | rBV2 | 168    | 75     | 0.01%  | 0.001%  |
| 98  | 13.775 | 3937 | 3945 | 3955 | rVB4 | 1815   | 2813   | 0.26%  | 0.035%  |
| 99  | 13.875 | 3972 | 3976 | 3982 | rVB3 | 365    | 340    | 0.03%  | 0.004%  |
| 100 | 14.553 | 4184 | 4187 | 4189 | rBV  | 309    | 235    | 0.02%  | 0.003%  |

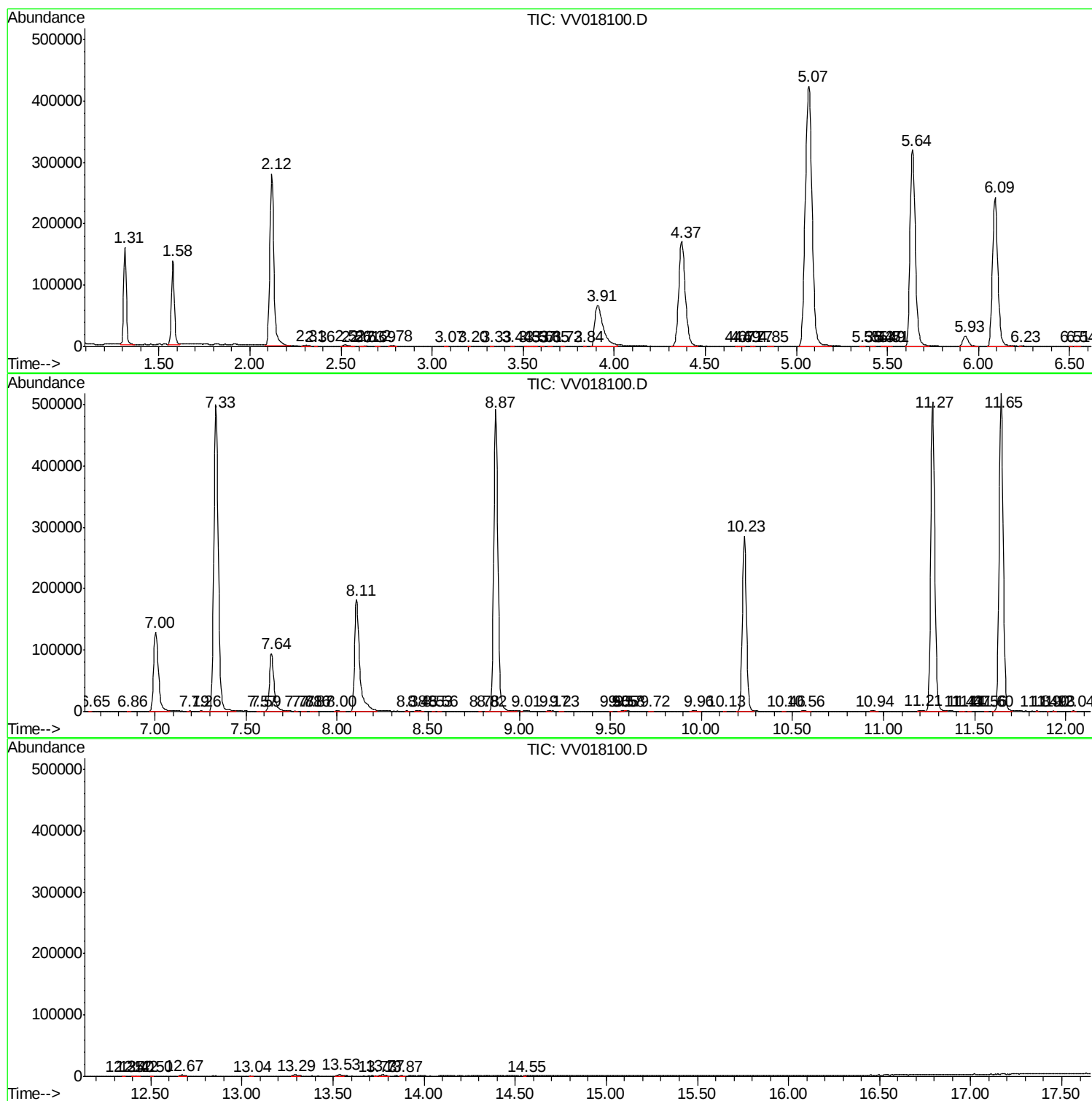
Sum of corrected areas: 8104025

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081120WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV082620\  
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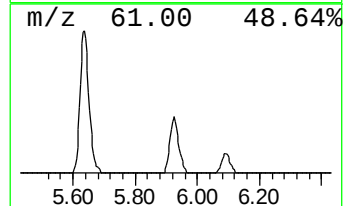
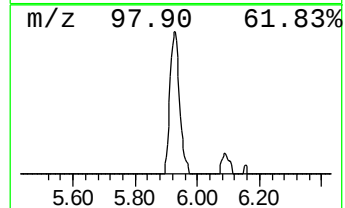
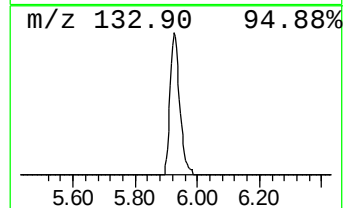
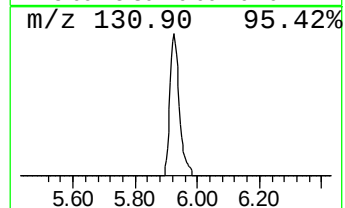
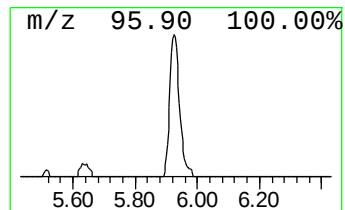
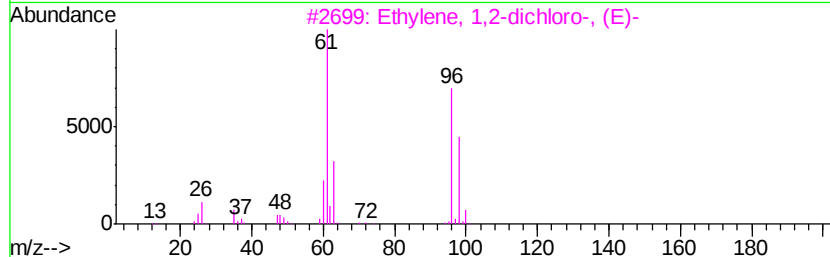
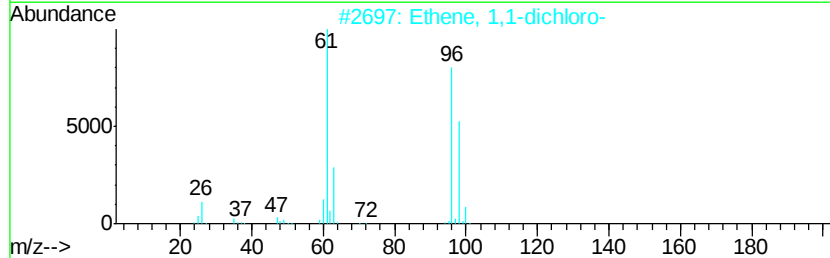
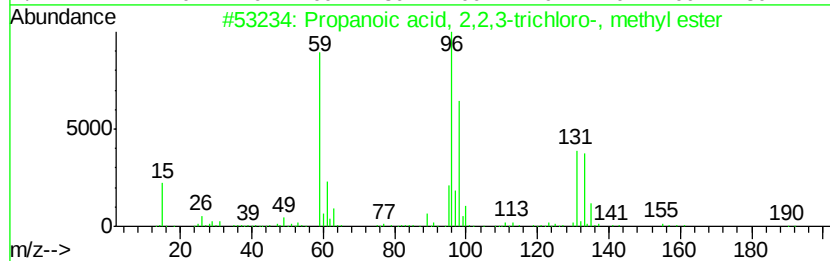
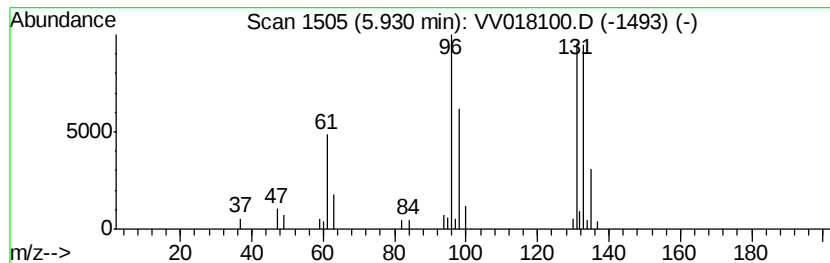
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Quant Title : VOC Analysis

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

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Peak Number 1 Propanoic acid, 2,2,3-trich... Concentration Rank 2

| R.T.    | EstConc                             | Area         | Relative to ISTD    | R.T.        |      |      |
|---------|-------------------------------------|--------------|---------------------|-------------|------|------|
| 5.93    | 2.82 ug/L                           | 35861        | 1,4-Difluorobenzene | 5.64        |      |      |
| Hit# of | 5                                   | Tentative ID | MW                  | MolForm     | CAS# | Qual |
| 1       | Propanoic acid, 2,2,3-trichloro-... | 190          | C4H5Cl3O2           | 004749-35-3 | 56   |      |
| 2       | Ethene, 1,1-dichloro-               | 96           | C2H2Cl2             | 000075-35-4 | 38   |      |
| 3       | Ethylene, 1,2-dichloro-, (E)-       | 96           | C2H2Cl2             | 000156-60-5 | 38   |      |
| 4       | Ethylene, 1,2-dichloro-, (Z)-       | 96           | C2H2Cl2             | 000156-59-2 | 38   |      |
| 5       | 1,2-Dichloroethylene                | 96           | C2H2Cl2             | 000540-59-0 | 38   |      |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Propanoic acid, 2... | 5.93 | 2.8     | ug/L  | 35861    | 1                     | 5.64 | 635780 | 50.0 |