

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101420\  
 Data File : VV018906.D  
 Acq On : 14 Oct 2020 20:18  
 Operator : SY/MD  
 Sample : L4382-01DL 200X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3P5DL

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\SOMVLM101420WMA.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      | 1.316    | 63         | 70       | 83        | rVB   | 200868      | 203009     | 14.47%       | 2.022%     |
| 2      | 1.579    | 144        | 152      | 163       | rBV   | 167848      | 188721     | 13.45%       | 1.880%     |
| 3      | 2.123    | 311        | 321      | 342       | rVB   | 332575      | 500258     | 35.66%       | 4.983%     |
| 4      | 2.373    | 397        | 399      | 400       | rBV   | 416         | 203        | 0.01%        | 0.002%     |
| 5      | 2.627    | 474        | 478      | 482       | rBV3  | 565         | 562        | 0.04%        | 0.006%     |
| 6      | 2.965    | 580        | 583      | 585       | rVB   | 184         | 104        | 0.01%        | 0.001%     |
| 7      | 2.978    | 585        | 587      | 589       | rBV   | 495         | 283        | 0.02%        | 0.003%     |
| 8      | 3.013    | 594        | 598      | 601       | rBV3  | 225         | 178        | 0.01%        | 0.002%     |
| 9      | 3.026    | 601        | 602      | 605       | rBV2  | 308         | 133        | 0.01%        | 0.001%     |
| 10     | 3.055    | 609        | 611      | 613       | rBV   | 238         | 121        | 0.01%        | 0.001%     |
| 11     | 3.065    | 613        | 614      | 615       | rBV   | 282         | 106        | 0.01%        | 0.001%     |
| 12     | 3.158    | 640        | 643      | 645       | rBV   | 295         | 162        | 0.01%        | 0.002%     |
| 13     | 3.187    | 648        | 652      | 654       | rBV2  | 354         | 190        | 0.01%        | 0.002%     |
| 14     | 3.206    | 654        | 658      | 660       | rBV2  | 426         | 254        | 0.02%        | 0.003%     |
| 15     | 3.225    | 662        | 664      | 667       | rVB   | 410         | 202        | 0.01%        | 0.002%     |
| 16     | 3.242    | 667        | 669      | 671       | rVB   | 231         | 86         | 0.01%        | 0.001%     |
| 17     | 3.258    | 671        | 674      | 677       | rBV2  | 462         | 374        | 0.03%        | 0.004%     |
| 18     | 3.296    | 681        | 686      | 690       | rBV2  | 410         | 406        | 0.03%        | 0.004%     |
| 19     | 3.338    | 696        | 699      | 703       | rBV3  | 455         | 288        | 0.02%        | 0.003%     |
| 20     | 3.389    | 713        | 715      | 716       | rBV3  | 240         | 90         | 0.01%        | 0.001%     |
| 21     | 3.425    | 723        | 726      | 727       | rBV   | 196         | 103        | 0.01%        | 0.001%     |
| 22     | 3.457    | 732        | 736      | 737       | rBV2  | 243         | 142        | 0.01%        | 0.001%     |
| 23     | 3.518    | 752        | 755      | 757       | rBV2  | 432         | 301        | 0.02%        | 0.003%     |
| 24     | 3.566    | 766        | 770      | 776       | rBV3  | 564         | 551        | 0.04%        | 0.005%     |
| 25     | 3.627    | 787        | 789      | 790       | rBV3  | 300         | 121        | 0.01%        | 0.001%     |
| 26     | 3.698    | 807        | 811      | 815       | rVB2  | 627         | 460        | 0.03%        | 0.005%     |
| 27     | 3.721    | 815        | 818      | 822       | rBV2  | 505         | 314        | 0.02%        | 0.003%     |
| 28     | 3.759    | 828        | 830      | 833       | rBV   | 174         | 94         | 0.01%        | 0.001%     |
| 29     | 3.811    | 843        | 846      | 848       | rBV2  | 128         | 72         | 0.01%        | 0.001%     |
| 30     | 3.836    | 851        | 854      | 856       | rBV   | 296         | 193        | 0.01%        | 0.002%     |
| 31     | 3.910    | 866        | 877      | 910       | rBV   | 90327       | 272565     | 19.43%       | 2.715%     |
| 32     | 4.373    | 1007       | 1021     | 1050      | rVB   | 215487      | 535262     | 38.15%       | 5.331%     |
| 33     | 4.721    | 1124       | 1129     | 1131      | rBV3  | 392         | 325        | 0.02%        | 0.003%     |
| 34     | 4.785    | 1146       | 1149     | 1152      | rBV2  | 469         | 288        | 0.02%        | 0.003%     |

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 Max Peaks: 100  
 Peak Location: TOP

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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101420WMA.M  
 Title : VOC Analysis

|    |       |      |      |      |      |        |         |         |         |
|----|-------|------|------|------|------|--------|---------|---------|---------|
| 35 | 4.820 | 1157 | 1160 | 1167 | rVB4 | 558    | 495     | 0.04%   | 0.005%  |
| 36 | 4.846 | 1167 | 1168 | 1170 | rBV  | 198    | 54      | 0.00%   | 0.001%  |
| 37 | 4.865 | 1170 | 1174 | 1175 | rBV2 | 251    | 195     | 0.01%   | 0.002%  |
| 38 | 4.942 | 1195 | 1198 | 1201 | rBV2 | 524    | 440     | 0.03%   | 0.004%  |
| 39 | 4.997 | 1209 | 1215 | 1218 | rBV3 | 472    | 553     | 0.04%   | 0.006%  |
| 40 | 5.071 | 1218 | 1238 | 1272 | rBV2 | 542884 | 1403041 | 100.00% | 13.975% |
| 41 | 5.428 | 1346 | 1349 | 1352 | rBV2 | 509    | 419     | 0.03%   | 0.004%  |
| 42 | 5.537 | 1381 | 1383 | 1385 | rBV  | 228    | 114     | 0.01%   | 0.001%  |
| 43 | 5.560 | 1388 | 1390 | 1391 | rBV  | 250    | 115     | 0.01%   | 0.001%  |
| 44 | 5.640 | 1402 | 1415 | 1445 | rBV  | 368829 | 733417  | 52.27%  | 7.305%  |
| 45 | 5.930 | 1493 | 1505 | 1523 | rBV  | 41856  | 87062   | 6.21%   | 0.867%  |
| 46 | 6.093 | 1542 | 1556 | 1584 | rBV  | 311007 | 633571  | 45.16%  | 6.311%  |
| 47 | 6.341 | 1629 | 1633 | 1634 | rBV  | 471    | 308     | 0.02%   | 0.003%  |
| 48 | 6.386 | 1645 | 1647 | 1652 | rVB3 | 426    | 260     | 0.02%   | 0.003%  |
| 49 | 6.409 | 1652 | 1654 | 1656 | rBV  | 247    | 114     | 0.01%   | 0.001%  |
| 50 | 6.502 | 1680 | 1683 | 1685 | rBV  | 307    | 240     | 0.02%   | 0.002%  |
| 51 | 6.556 | 1698 | 1700 | 1703 | rBV  | 250    | 150     | 0.01%   | 0.001%  |
| 52 | 6.573 | 1703 | 1705 | 1709 | rVB  | 340    | 169     | 0.01%   | 0.002%  |
| 53 | 6.643 | 1725 | 1727 | 1728 | rBV  | 115    | 44      | 0.00%   | 0.000%  |
| 54 | 6.685 | 1736 | 1740 | 1742 | rBV4 | 586    | 447     | 0.03%   | 0.004%  |
| 55 | 6.717 | 1748 | 1750 | 1755 | rVB  | 382    | 291     | 0.02%   | 0.003%  |
| 56 | 6.740 | 1755 | 1757 | 1758 | rBV  | 385    | 180     | 0.01%   | 0.002%  |
| 57 | 6.772 | 1765 | 1767 | 1768 | rBV  | 184    | 69      | 0.00%   | 0.001%  |
| 58 | 6.807 | 1776 | 1778 | 1780 | rBV  | 141    | 91      | 0.01%   | 0.001%  |
| 59 | 6.875 | 1796 | 1799 | 1801 | rBV2 | 399    | 209     | 0.01%   | 0.002%  |
| 60 | 6.894 | 1801 | 1805 | 1809 | rBV2 | 417    | 371     | 0.03%   | 0.004%  |
| 61 | 6.926 | 1809 | 1815 | 1818 | rBV2 | 566    | 536     | 0.04%   | 0.005%  |
| 62 | 7.007 | 1829 | 1840 | 1868 | rBV  | 167245 | 305678  | 21.79%  | 3.045%  |
| 63 | 7.338 | 1931 | 1943 | 1972 | rBV  | 637645 | 1098190 | 78.27%  | 10.938% |
| 64 | 7.643 | 2027 | 2038 | 2059 | rBV  | 119360 | 211765  | 15.09%  | 2.109%  |
| 65 | 7.904 | 2117 | 2119 | 2121 | rVB  | 207    | 79      | 0.01%   | 0.001%  |
| 66 | 8.003 | 2142 | 2150 | 2159 | rVB6 | 2412   | 3648    | 0.26%   | 0.036%  |
| 67 | 8.109 | 2169 | 2183 | 2219 | rBV2 | 276037 | 569357  | 40.58%  | 5.671%  |
| 68 | 8.547 | 2315 | 2319 | 2321 | rBV3 | 465    | 414     | 0.03%   | 0.004%  |
| 69 | 8.627 | 2341 | 2344 | 2345 | rBV3 | 456    | 266     | 0.02%   | 0.003%  |
| 70 | 8.672 | 2356 | 2358 | 2365 | rVB4 | 607    | 362     | 0.03%   | 0.004%  |
| 71 | 8.872 | 2409 | 2420 | 2441 | rBV  | 567360 | 924135  | 65.87%  | 9.205%  |

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 BG3P5DL

## 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\SOMVLM101420WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 72 | 9.174  | 2511 | 2514 | 2517 | rVB2 | 554    | 329     | 0.02%  | 0.003% |
| 73 | 9.261  | 2538 | 2541 | 2543 | rBV2 | 400    | 265     | 0.02%  | 0.003% |
| 74 | 9.402  | 2582 | 2585 | 2588 | rVB2 | 258    | 181     | 0.01%  | 0.002% |
| 75 | 9.421  | 2588 | 2591 | 2593 | rBV  | 335    | 227     | 0.02%  | 0.002% |
| 76 | 9.515  | 2614 | 2620 | 2624 | rBV3 | 470    | 522     | 0.04%  | 0.005% |
| 77 | 9.569  | 2635 | 2637 | 2641 | rVB2 | 533    | 239     | 0.02%  | 0.002% |
| 78 | 9.617  | 2649 | 2652 | 2656 | rBV  | 342    | 298     | 0.02%  | 0.003% |
| 79 | 9.643  | 2659 | 2660 | 2662 | rBV  | 312    | 140     | 0.01%  | 0.001% |
| 80 | 9.740  | 2688 | 2690 | 2691 | rBV  | 314    | 107     | 0.01%  | 0.001% |
| 81 | 9.804  | 2707 | 2710 | 2711 | rBV  | 163    | 95      | 0.01%  | 0.001% |
| 82 | 9.820  | 2711 | 2715 | 2717 | rVV2 | 301    | 223     | 0.02%  | 0.002% |
| 83 | 9.849  | 2723 | 2724 | 2727 | rBV2 | 291    | 119     | 0.01%  | 0.001% |
| 84 | 9.923  | 2744 | 2747 | 2749 | rBV2 | 366    | 239     | 0.02%  | 0.002% |
| 85 | 9.942  | 2751 | 2753 | 2757 | rVB2 | 541    | 319     | 0.02%  | 0.003% |
| 86 | 10.125 | 2804 | 2810 | 2812 | rBV3 | 371    | 363     | 0.03%  | 0.004% |
| 87 | 10.145 | 2812 | 2816 | 2819 | rBV  | 443    | 414     | 0.03%  | 0.004% |
| 88 | 10.238 | 2830 | 2845 | 2864 | rBV  | 318413 | 497759  | 35.48% | 4.958% |
| 89 | 10.376 | 2884 | 2888 | 2891 | rBV2 | 327    | 305     | 0.02%  | 0.003% |
| 90 | 10.566 | 2945 | 2947 | 2951 | rVB2 | 557    | 303     | 0.02%  | 0.003% |
| 91 | 10.588 | 2952 | 2954 | 2955 | rBV2 | 260    | 108     | 0.01%  | 0.001% |
| 92 | 10.637 | 2965 | 2969 | 2971 | rBV  | 557    | 417     | 0.03%  | 0.004% |
| 93 | 10.746 | 3001 | 3003 | 3007 | rBV  | 269    | 166     | 0.01%  | 0.002% |
| 94 | 11.084 | 3105 | 3108 | 3111 | rBV  | 441    | 306     | 0.02%  | 0.003% |
| 95 | 11.158 | 3127 | 3131 | 3132 | rBV  | 294    | 182     | 0.01%  | 0.002% |
| 96 | 11.270 | 3155 | 3166 | 3188 | rBV  | 557606 | 850633  | 60.63% | 8.473% |
| 97 | 11.463 | 3224 | 3226 | 3228 | rBV2 | 510    | 274     | 0.02%  | 0.003% |
| 98 | 11.646 | 3270 | 3283 | 3303 | rBV  | 637913 | 1001589 | 71.39% | 9.976% |
| 99 | 12.820 | 3645 | 3648 | 3650 | rBV2 | 426    | 222     | 0.02%  | 0.002% |

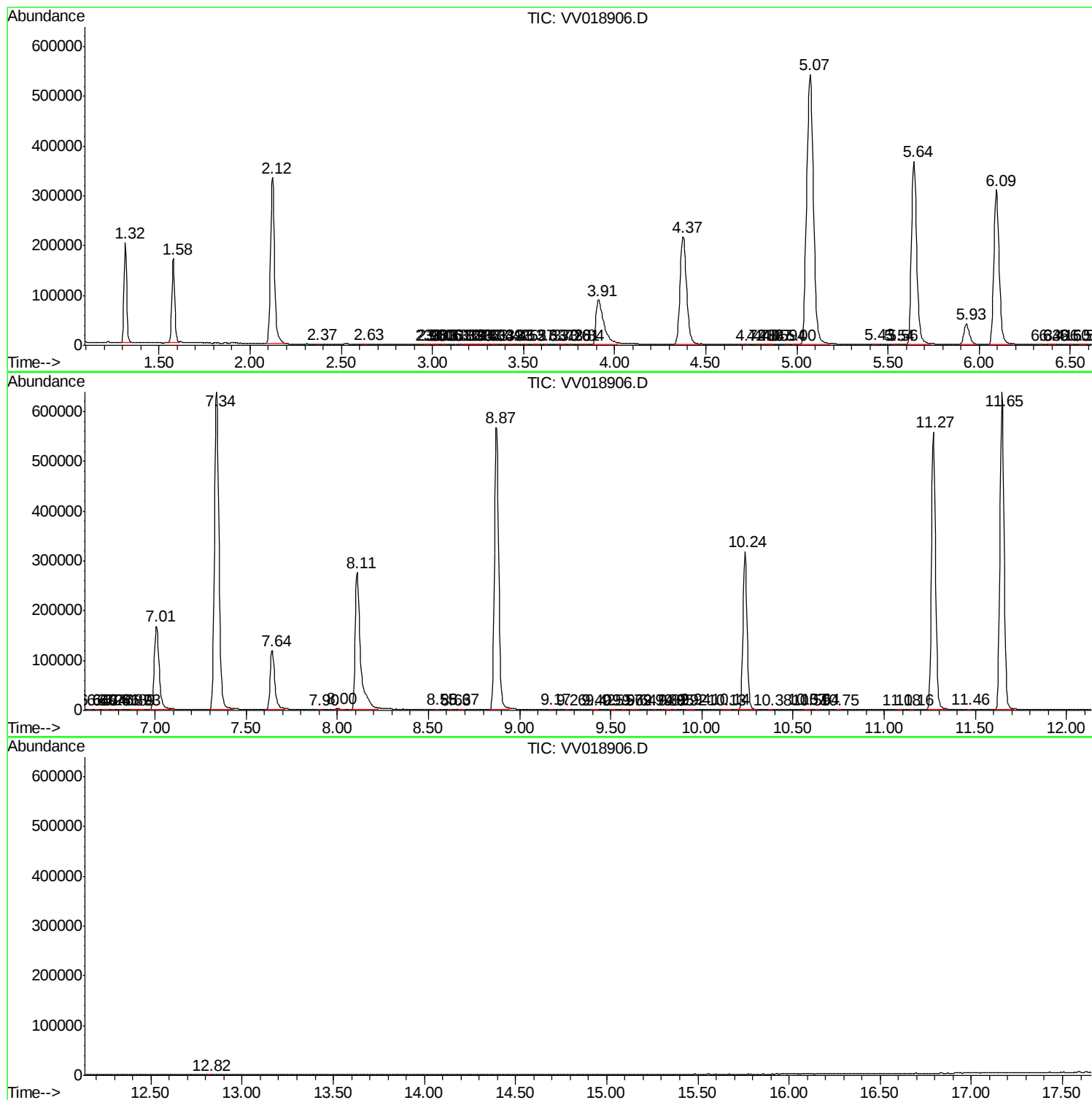
Sum of corrected areas: 10039714

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101420WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV101420\  
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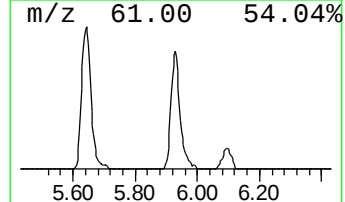
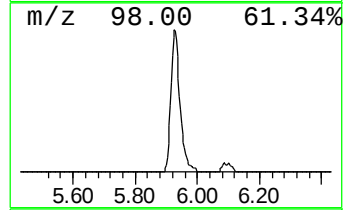
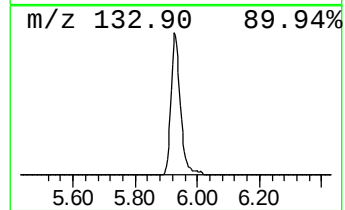
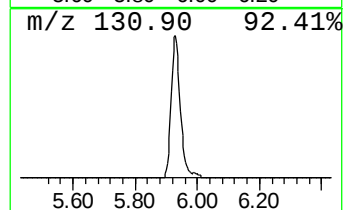
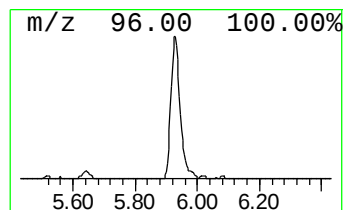
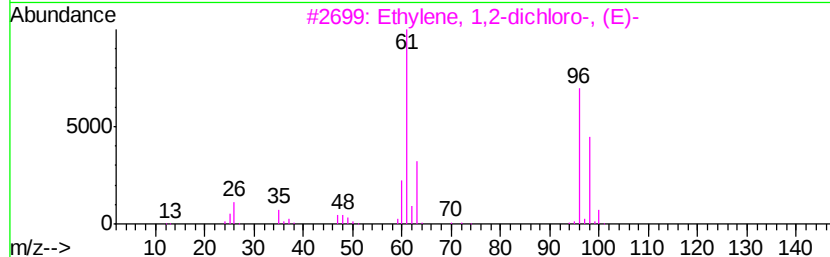
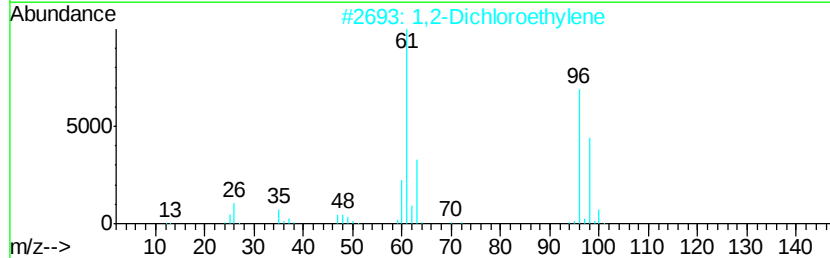
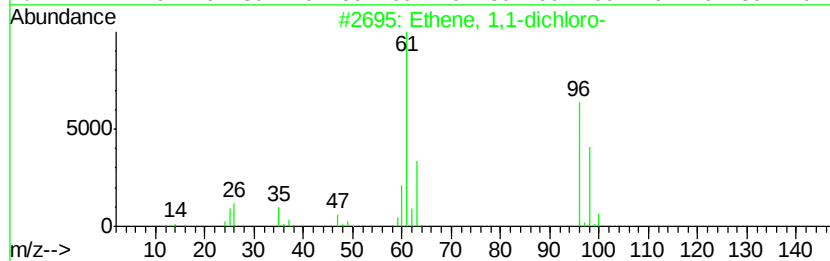
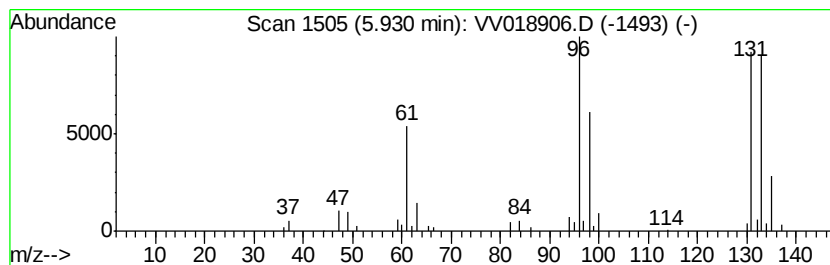
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101420WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 1 unknown-01 Concentration Rank 2

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 5.93 | 5.94 ug/L | 87062 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | Tentative ID                  | MW | MolForm | CAS#        | Qual |
|------|----|-------------------------------|----|---------|-------------|------|
| 1    | 5  | Ethene, 1,1-dichloro-         | 96 | C2H2Cl2 | 000075-35-4 | 35   |
| 2    |    | 1,2-Dichloroethylene          | 96 | C2H2Cl2 | 000540-59-0 | 35   |
| 3    |    | Ethylene, 1,2-dichloro-, (E)- | 96 | C2H2Cl2 | 000156-60-5 | 35   |
| 4    |    | Ethene, 1,1-dichloro-         | 96 | C2H2Cl2 | 000075-35-4 | 35   |
| 5    |    | Ethylene, 1,2-dichloro-, (Z)- | 96 | C2H2Cl2 | 000156-59-2 | 25   |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| unknown-01       | 5.93 | 5.9     | ug/L  | 87062    | 1                     | 5.64 | 733417 | 50.0 |