

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102020\  
 Data File : VV019009.D  
 Acq On : 20 Oct 2020 13:13  
 Operator : SY/MD  
 Sample : L4430-07  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AB7

## 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      | 1.315    | 64         | 70       | 89        | rVB2  | 151677      | 160940     | 13.97%       | 1.847%     |
| 2      | 1.579    | 145        | 152      | 164       | rBV   | 131406      | 146754     | 12.74%       | 1.684%     |
| 3      | 2.122    | 311        | 321      | 354       | rVB   | 243174      | 388867     | 33.76%       | 4.462%     |
| 4      | 2.781    | 519        | 526      | 541       | rVB9  | 3301        | 7080       | 0.61%        | 0.081%     |
| 5      | 2.875    | 552        | 555      | 558       | rVB2  | 386         | 244        | 0.02%        | 0.003%     |
| 6      | 3.203    | 654        | 657      | 659       | rBV2  | 315         | 163        | 0.01%        | 0.002%     |
| 7      | 3.222    | 659        | 663      | 665       | rBV3  | 340         | 271        | 0.02%        | 0.003%     |
| 8      | 3.277    | 678        | 680      | 683       | rBV2  | 455         | 263        | 0.02%        | 0.003%     |
| 9      | 3.312    | 688        | 691      | 695       | rBV3  | 434         | 351        | 0.03%        | 0.004%     |
| 10     | 3.351    | 701        | 703      | 706       | rBV   | 355         | 206        | 0.02%        | 0.002%     |
| 11     | 3.402    | 718        | 719      | 720       | rBV   | 131         | 34         | 0.00%        | 0.000%     |
| 12     | 3.592    | 773        | 778      | 781       | rBV4  | 414         | 384        | 0.03%        | 0.004%     |
| 13     | 3.679    | 803        | 805      | 809       | rVB   | 424         | 218        | 0.02%        | 0.003%     |
| 14     | 3.714    | 812        | 816      | 823       | rVB4  | 457         | 526        | 0.05%        | 0.006%     |
| 15     | 3.746    | 823        | 826      | 829       | rBV   | 264         | 212        | 0.02%        | 0.002%     |
| 16     | 3.762    | 829        | 831      | 832       | rBV   | 225         | 71         | 0.01%        | 0.001%     |
| 17     | 3.772    | 832        | 834      | 835       | rBV   | 347         | 121        | 0.01%        | 0.001%     |
| 18     | 3.801    | 841        | 843      | 846       | rBV3  | 162         | 67         | 0.01%        | 0.001%     |
| 19     | 3.865    | 860        | 863      | 866       | rBV   | 327         | 238        | 0.02%        | 0.003%     |
| 20     | 3.913    | 867        | 878      | 916       | rBV   | 90444       | 286800     | 24.90%       | 3.291%     |
| 21     | 4.376    | 1005       | 1022     | 1054      | rBV   | 185311      | 465681     | 40.43%       | 5.343%     |
| 22     | 4.630    | 1098       | 1101     | 1102      | rBV   | 623         | 334        | 0.03%        | 0.004%     |
| 23     | 4.736    | 1132       | 1134     | 1136      | rVB2  | 375         | 166        | 0.01%        | 0.002%     |
| 24     | 4.765    | 1136       | 1143     | 1146      | rBV4  | 869         | 1022       | 0.09%        | 0.012%     |
| 25     | 4.997    | 1213       | 1215     | 1217      | rVB   | 468         | 177        | 0.02%        | 0.002%     |
| 26     | 5.071    | 1220       | 1238     | 1272      | rBV2  | 440189      | 1151724    | 100.00%      | 13.215%    |
| 27     | 5.322    | 1313       | 1316     | 1318      | rBV   | 680         | 398        | 0.03%        | 0.005%     |
| 28     | 5.450    | 1354       | 1356     | 1360      | rBV4  | 594         | 488        | 0.04%        | 0.006%     |
| 29     | 5.489    | 1366       | 1368     | 1371      | rBV2  | 663         | 421        | 0.04%        | 0.005%     |
| 30     | 5.534    | 1379       | 1382     | 1385      | rVB3  | 522         | 367        | 0.03%        | 0.004%     |
| 31     | 5.569    | 1391       | 1393     | 1394      | rBV   | 342         | 126        | 0.01%        | 0.001%     |
| 32     | 5.643    | 1403       | 1416     | 1442      | rBV   | 327454      | 661212     | 57.41%       | 7.587%     |
| 33     | 5.929    | 1494       | 1505     | 1521      | rBV2  | 37359       | 77539      | 6.73%        | 0.890%     |
| 34     | 6.093    | 1542       | 1556     | 1582      | rBV   | 265823      | 546157     | 47.42%       | 6.267%     |

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

|    |       |      |      |      |      |        |        |        |        |
|----|-------|------|------|------|------|--------|--------|--------|--------|
| 35 | 6.363 | 1637 | 1640 | 1642 | rBV3 | 622    | 397    | 0.03%  | 0.005% |
| 36 | 6.412 | 1648 | 1655 | 1657 | rBV3 | 864    | 743    | 0.06%  | 0.009% |
| 37 | 6.469 | 1670 | 1673 | 1675 | rBV2 | 427    | 238    | 0.02%  | 0.003% |
| 38 | 6.588 | 1707 | 1710 | 1711 | rBV  | 286    | 145    | 0.01%  | 0.002% |
| 39 | 6.653 | 1726 | 1730 | 1731 | rBV2 | 669    | 441    | 0.04%  | 0.005% |
| 40 | 6.813 | 1778 | 1780 | 1784 | rVB3 | 512    | 249    | 0.02%  | 0.003% |
| 41 | 6.839 | 1786 | 1788 | 1793 | rVB  | 351    | 217    | 0.02%  | 0.002% |
| 42 | 6.865 | 1793 | 1796 | 1799 | rVB2 | 488    | 285    | 0.02%  | 0.003% |
| 43 | 6.881 | 1799 | 1801 | 1805 | rBV2 | 365    | 273    | 0.02%  | 0.003% |
| 44 | 6.910 | 1805 | 1810 | 1811 | rVB3 | 407    | 345    | 0.03%  | 0.004% |
| 45 | 6.926 | 1811 | 1815 | 1821 | rBV2 | 382    | 534    | 0.05%  | 0.006% |
| 46 | 6.971 | 1826 | 1829 | 1830 | rBV  | 439    | 204    | 0.02%  | 0.002% |
| 47 | 7.010 | 1830 | 1841 | 1865 | rBV  | 131146 | 243588 | 21.15% | 2.795% |
| 48 | 7.338 | 1931 | 1943 | 1966 | rBV  | 490703 | 850388 | 73.84% | 9.757% |
| 49 | 7.608 | 2024 | 2027 | 2028 | rBV2 | 375    | 206    | 0.02%  | 0.002% |
| 50 | 7.643 | 2028 | 2038 | 2060 | rVV  | 95192  | 169276 | 14.70% | 1.942% |
| 51 | 7.897 | 2115 | 2117 | 2119 | rBV  | 392    | 211    | 0.02%  | 0.002% |
| 52 | 7.958 | 2129 | 2136 | 2139 | rBV2 | 532    | 787    | 0.07%  | 0.009% |
| 53 | 8.048 | 2160 | 2164 | 2165 | rBV2 | 529    | 387    | 0.03%  | 0.004% |
| 54 | 8.109 | 2173 | 2183 | 2214 | rBV2 | 270380 | 563001 | 48.88% | 6.460% |
| 55 | 8.604 | 2335 | 2337 | 2339 | rBV  | 376    | 194    | 0.02%  | 0.002% |
| 56 | 8.672 | 2356 | 2358 | 2360 | rBV3 | 372    | 213    | 0.02%  | 0.002% |
| 57 | 8.730 | 2373 | 2376 | 2381 | rVB3 | 488    | 408    | 0.04%  | 0.005% |
| 58 | 8.765 | 2384 | 2387 | 2391 | rBV3 | 533    | 416    | 0.04%  | 0.005% |
| 59 | 8.871 | 2409 | 2420 | 2453 | rBV  | 521276 | 853112 | 74.07% | 9.788% |
| 60 | 9.209 | 2521 | 2525 | 2527 | rBV2 | 554    | 418    | 0.04%  | 0.005% |
| 61 | 9.251 | 2533 | 2538 | 2539 | rBV3 | 457    | 292    | 0.03%  | 0.003% |
| 62 | 9.260 | 2539 | 2541 | 2543 | rBV3 | 307    | 135    | 0.01%  | 0.002% |
| 63 | 9.302 | 2551 | 2554 | 2556 | rBV2 | 318    | 209    | 0.02%  | 0.002% |
| 64 | 9.334 | 2561 | 2564 | 2566 | rBV  | 416    | 172    | 0.01%  | 0.002% |
| 65 | 9.373 | 2575 | 2576 | 2581 | rVB2 | 440    | 231    | 0.02%  | 0.003% |
| 66 | 9.402 | 2581 | 2585 | 2588 | rBV2 | 362    | 265    | 0.02%  | 0.003% |
| 67 | 9.418 | 2588 | 2590 | 2592 | rBV  | 226    | 142    | 0.01%  | 0.002% |
| 68 | 9.469 | 2604 | 2606 | 2608 | rBV  | 401    | 197    | 0.02%  | 0.002% |
| 69 | 9.537 | 2623 | 2627 | 2629 | rBV2 | 475    | 352    | 0.03%  | 0.004% |
| 70 | 9.595 | 2642 | 2645 | 2647 | rBV2 | 469    | 295    | 0.03%  | 0.003% |
| 71 | 9.685 | 2670 | 2673 | 2678 | rBV4 | 479    | 333    | 0.03%  | 0.004% |

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 Peak separation: 5

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

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 72 | 9.768  | 2693 | 2699 | 2701 | rBV2 | 531    | 395    | 0.03%  | 0.005% |
| 73 | 9.829  | 2715 | 2718 | 2720 | rBV2 | 343    | 182    | 0.02%  | 0.002% |
| 74 | 9.961  | 2756 | 2759 | 2761 | rBV2 | 439    | 209    | 0.02%  | 0.002% |
| 75 | 9.997  | 2768 | 2770 | 2773 | rVB2 | 359    | 163    | 0.01%  | 0.002% |
| 76 | 10.013 | 2773 | 2775 | 2779 | rBV2 | 352    | 248    | 0.02%  | 0.003% |
| 77 | 10.090 | 2796 | 2799 | 2801 | rBV2 | 216    | 140    | 0.01%  | 0.002% |
| 78 | 10.119 | 2806 | 2808 | 2810 | rBV  | 374    | 168    | 0.01%  | 0.002% |
| 79 | 10.167 | 2820 | 2823 | 2824 | rBV  | 339    | 174    | 0.02%  | 0.002% |
| 80 | 10.238 | 2832 | 2845 | 2864 | rBV  | 312492 | 492815 | 42.79% | 5.654% |
| 81 | 10.341 | 2875 | 2877 | 2878 | rBV  | 458    | 196    | 0.02%  | 0.002% |
| 82 | 10.492 | 2922 | 2924 | 2925 | rBV  | 391    | 176    | 0.02%  | 0.002% |
| 83 | 10.691 | 2983 | 2986 | 2992 | rBV3 | 490    | 438    | 0.04%  | 0.005% |
| 84 | 10.775 | 3010 | 3012 | 3016 | rVB2 | 452    | 284    | 0.02%  | 0.003% |
| 85 | 10.813 | 3018 | 3024 | 3027 | rVV3 | 592    | 502    | 0.04%  | 0.006% |
| 86 | 10.871 | 3041 | 3042 | 3043 | rBV  | 266    | 94     | 0.01%  | 0.001% |
| 87 | 10.939 | 3061 | 3063 | 3070 | rVB2 | 695    | 561    | 0.05%  | 0.006% |
| 88 | 10.974 | 3070 | 3074 | 3076 | rBV  | 499    | 414    | 0.04%  | 0.005% |
| 89 | 11.183 | 3137 | 3139 | 3141 | rBV2 | 392    | 174    | 0.02%  | 0.002% |
| 90 | 11.270 | 3155 | 3166 | 3191 | rBV  | 496468 | 774850 | 67.28% | 8.891% |
| 91 | 11.585 | 3258 | 3264 | 3266 | rBV2 | 573    | 603    | 0.05%  | 0.007% |
| 92 | 11.646 | 3271 | 3283 | 3299 | rBV  | 543809 | 852346 | 74.01% | 9.780% |
| 93 | 12.366 | 3503 | 3507 | 3510 | rBV3 | 338    | 325    | 0.03%  | 0.004% |
| 94 | 12.579 | 3570 | 3573 | 3577 | rBV  | 544    | 392    | 0.03%  | 0.004% |
| 95 | 12.881 | 3664 | 3667 | 3668 | rBV  | 379    | 223    | 0.02%  | 0.003% |
| 96 | 13.411 | 3829 | 3832 | 3833 | rBV  | 361    | 187    | 0.02%  | 0.002% |
| 97 | 13.550 | 3873 | 3875 | 3877 | rBV2 | 510    | 280    | 0.02%  | 0.003% |

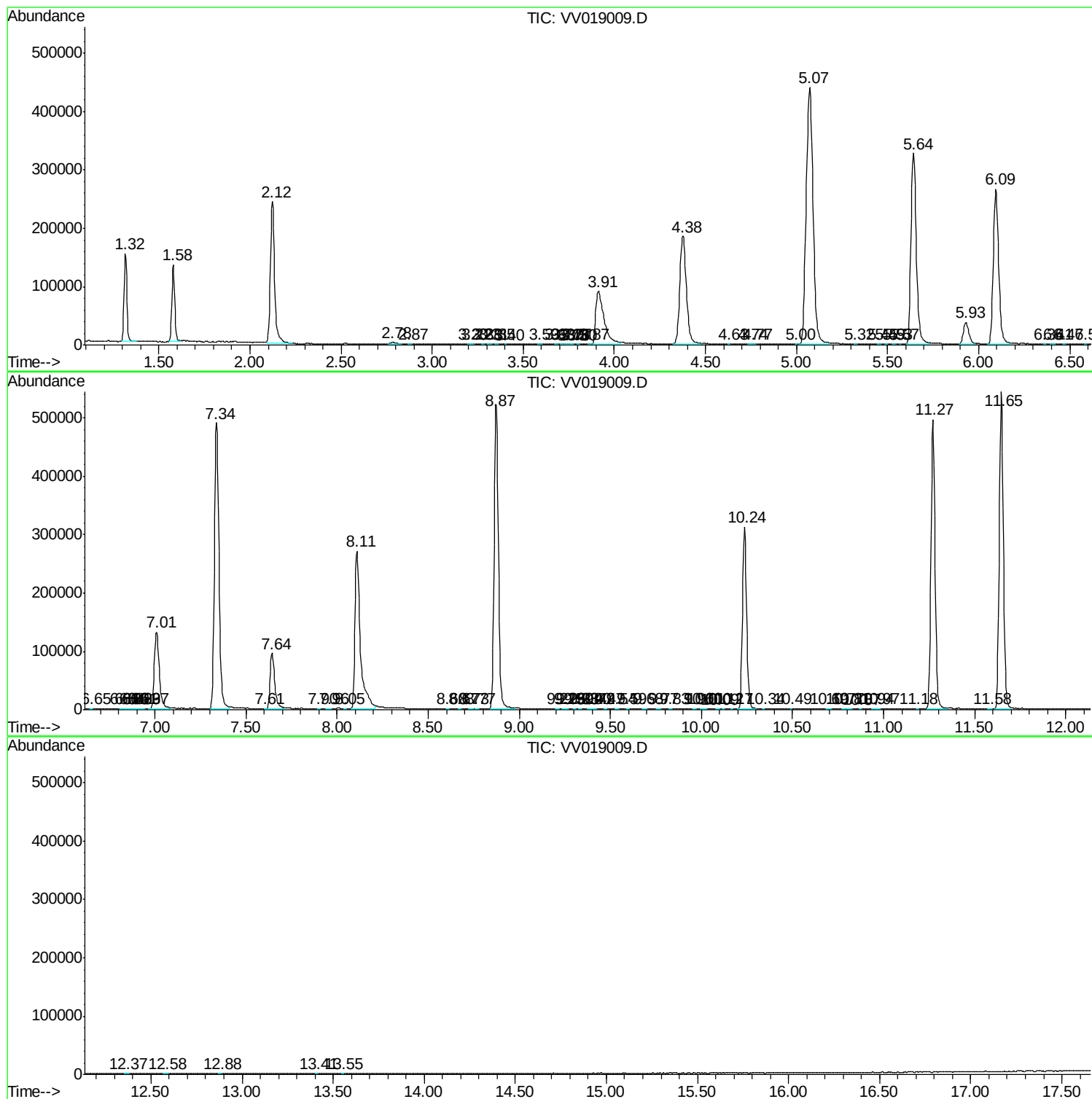
Sum of corrected areas: 8715460

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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\VV102020\  
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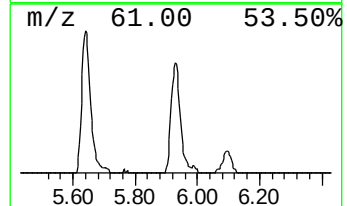
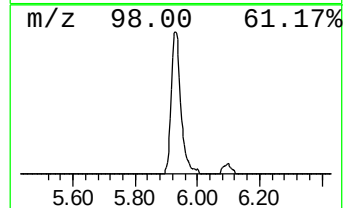
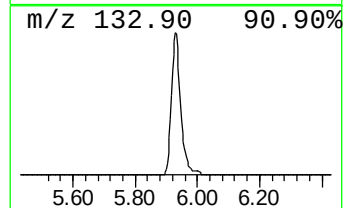
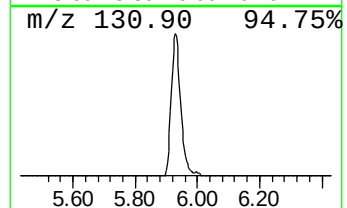
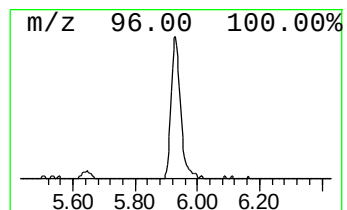
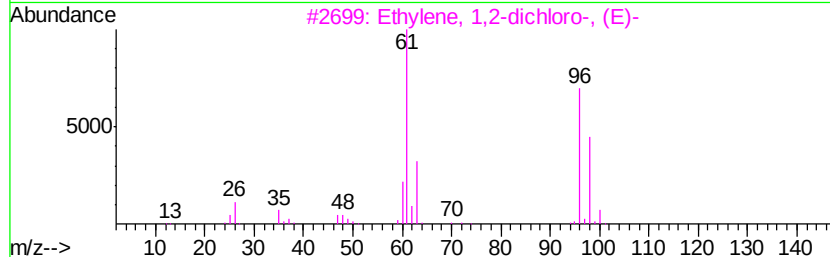
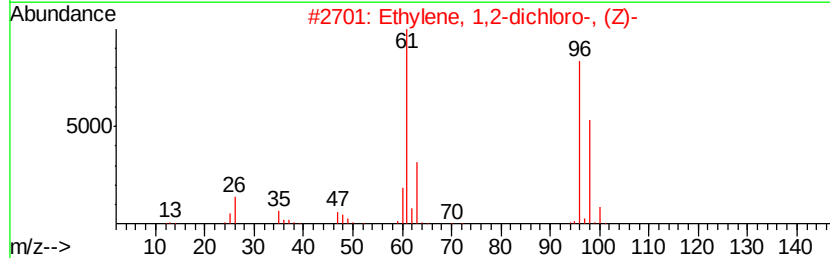
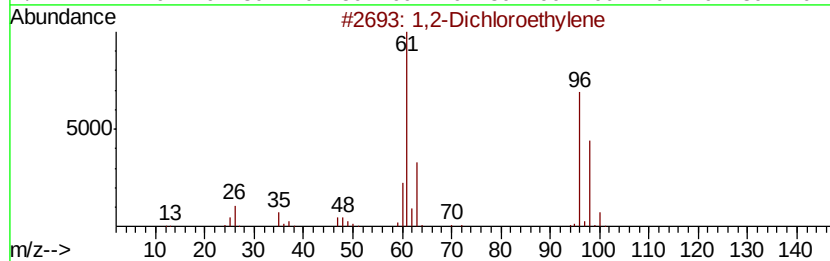
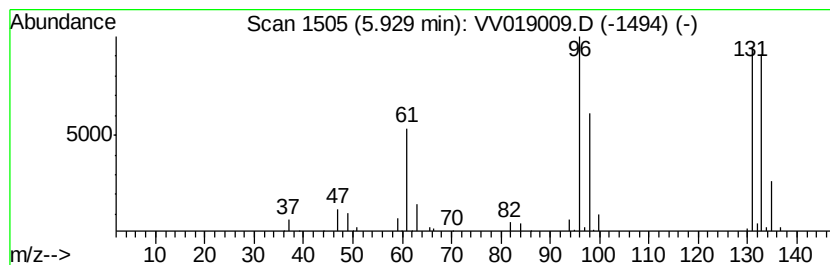
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101420WMA.M  
Quant Title : VOC Analysis

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

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Peak Number 1 unknown-01 Concentration Rank 2

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 5.93 | 5.86 ug/L | 77539 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | 5 | Tentative ID                  | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|----|---------|-------------|------|
| 1    |    |   | 1,2-Dichloroethylene          | 96 | C2H2Cl2 | 000540-59-0 | 38   |
| 2    |    |   | Ethylene, 1,2-dichloro-, (Z)- | 96 | C2H2Cl2 | 000156-59-2 | 38   |
| 3    |    |   | Ethylene, 1,2-dichloro-, (E)- | 96 | C2H2Cl2 | 000156-60-5 | 38   |
| 4    |    |   | Ethene, 1,1-dichloro-         | 96 | C2H2Cl2 | 000075-35-4 | 38   |
| 5    |    |   | Ethylene, 1,2-dichloro-, (Z)- | 96 | C2H2Cl2 | 000156-59-2 | 35   |



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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  | 77539    | 1                     | 5.64 | 661212 | 50.0 |