

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040221\  
 Data File : VV020885.D  
 Acq On : 02 Apr 2021 18:16  
 Operator : SY/MD  
 Sample : M1845-20  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EW1C8

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M

Title : VOC Analysis

Signal : TIC: VV020885.D\data.ms

| 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         | 1.307       | 77            | 83          | 94           | rVB      | 269497         | 262008        | 11.07%          | 1.460%        |
| 2         | 1.571       | 157           | 165         | 178          | rBV      | 215769         | 247093        | 10.44%          | 1.377%        |
| 3         | 2.108       | 322           | 332         | 358          | rVB      | 497655         | 737298        | 31.14%          | 4.109%        |
| 4         | 2.333       | 399           | 402         | 404          | rBV2     | 713            | 485           | 0.02%           | 0.003%        |
| 5         | 2.545       | 465           | 468         | 470          | rBV2     | 712            | 394           | 0.02%           | 0.002%        |
| 6         | 2.613       | 487           | 489         | 490          | rBV      | 891            | 389           | 0.02%           | 0.002%        |
| 7         | 2.648       | 497           | 500         | 503          | rVB3     | 481            | 375           | 0.02%           | 0.002%        |
| 8         | 2.667       | 503           | 506         | 507          | rBV3     | 543            | 317           | 0.01%           | 0.002%        |
| 9         | 2.741       | 525           | 529         | 530          | rBV      | 880            | 468           | 0.02%           | 0.003%        |
| 10        | 2.889       | 573           | 575         | 577          | rBV2     | 629            | 312           | 0.01%           | 0.002%        |
| 11        | 2.982       | 602           | 604         | 606          | rBV      | 463            | 201           | 0.01%           | 0.001%        |
| 12        | 2.995       | 606           | 608         | 611          | rVB2     | 463            | 197           | 0.01%           | 0.001%        |
| 13        | 3.015       | 611           | 614         | 618          | rBV3     | 673            | 453           | 0.02%           | 0.003%        |
| 14        | 3.034       | 618           | 620         | 622          | rBV2     | 326            | 190           | 0.01%           | 0.001%        |
| 15        | 3.127       | 646           | 649         | 650          | rBV      | 287            | 173           | 0.01%           | 0.001%        |
| 16        | 3.134       | 650           | 651         | 653          | rVV      | 342            | 137           | 0.01%           | 0.001%        |
| 17        | 3.185       | 665           | 667         | 671          | rBV2     | 659            | 484           | 0.02%           | 0.003%        |
| 18        | 3.352       | 712           | 719         | 722          | rVB3     | 588            | 727           | 0.03%           | 0.004%        |
| 19        | 3.368       | 722           | 724         | 727          | rVB      | 622            | 327           | 0.01%           | 0.002%        |
| 20        | 3.391       | 727           | 731         | 736          | rBV2     | 675            | 812           | 0.03%           | 0.005%        |
| 21        | 3.474       | 756           | 757         | 760          | rVB      | 447            | 123           | 0.01%           | 0.001%        |
| 22        | 3.490       | 760           | 762         | 763          | rBV      | 413            | 192           | 0.01%           | 0.001%        |
| 23        | 3.516       | 768           | 770         | 772          | rBV2     | 324            | 190           | 0.01%           | 0.001%        |
| 24        | 3.571       | 785           | 787         | 788          | rBV      | 385            | 213           | 0.01%           | 0.001%        |
| 25        | 3.603       | 794           | 797         | 799          | rBV2     | 549            | 357           | 0.02%           | 0.002%        |
| 26        | 3.642       | 806           | 809         | 811          | rBV2     | 559            | 224           | 0.01%           | 0.001%        |
| 27        | 3.690       | 819           | 824         | 826          | rBV2     | 398            | 377           | 0.02%           | 0.002%        |
| 28        | 3.728       | 834           | 836         | 839          | rBV2     | 411            | 256           | 0.01%           | 0.001%        |
| 29        | 3.744       | 839           | 841         | 845          | rVB2     | 503            | 248           | 0.01%           | 0.001%        |
| 30        | 3.831       | 864           | 868         | 871          | rBV2     | 540            | 405           | 0.02%           | 0.002%        |
| 31        | 3.844       | 871           | 872         | 874          | rBV      | 322            | 140           | 0.01%           | 0.001%        |
| 32        | 3.857       | 874           | 876         | 877          | rBV2     | 438            | 168           | 0.01%           | 0.001%        |
| 33        | 3.896       | 877           | 888         | 928          | rBV2     | 136878         | 432229        | 18.25%          | 2.409%        |
| 34        | 4.352       | 1012          | 1030        | 1057         | rBV      | 419188         | 1028034       | 43.42%          | 5.729%        |
| 35        | 4.648       | 1119          | 1122        | 1125         | rVB5     | 1382           | 930           | 0.04%           | 0.005%        |
| 36        | 4.664       | 1125          | 1127        | 1128         | rBV2     | 836            | 386           | 0.02%           | 0.002%        |

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Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
 Title : VOC Analysis

|    |       |      |      |      |      |         |         |         |         |
|----|-------|------|------|------|------|---------|---------|---------|---------|
| 37 | 4.780 | 1160 | 1163 | 1166 | rVB2 | 683     | 454     | 0.02%   | 0.003%  |
| 38 | 4.883 | 1193 | 1195 | 1196 | rBV  | 272     | 92      | 0.00%   | 0.001%  |
| 39 | 5.050 | 1229 | 1247 | 1282 | rBV2 | 924962  | 2367851 | 100.00% | 13.196% |
| 40 | 5.314 | 1327 | 1329 | 1333 | rBV2 | 870     | 539     | 0.02%   | 0.003%  |
| 41 | 5.349 | 1338 | 1340 | 1341 | rBV  | 760     | 353     | 0.01%   | 0.002%  |
| 42 | 5.619 | 1412 | 1424 | 1464 | rBV  | 717565  | 1439300 | 60.79%  | 8.021%  |
| 43 | 5.912 | 1506 | 1515 | 1534 | rVB5 | 33165   | 73365   | 3.10%   | 0.409%  |
| 44 | 6.021 | 1547 | 1549 | 1552 | rBV3 | 925     | 473     | 0.02%   | 0.003%  |
| 45 | 6.072 | 1552 | 1565 | 1593 | rVV  | 512692  | 1037373 | 43.81%  | 5.781%  |
| 46 | 6.288 | 1630 | 1632 | 1633 | rBV  | 549     | 191     | 0.01%   | 0.001%  |
| 47 | 6.455 | 1681 | 1684 | 1687 | rBV3 | 691     | 587     | 0.02%   | 0.003%  |
| 48 | 6.484 | 1692 | 1693 | 1699 | rVB3 | 684     | 349     | 0.01%   | 0.002%  |
| 49 | 6.567 | 1717 | 1719 | 1722 | rVB  | 1032    | 453     | 0.02%   | 0.003%  |
| 50 | 6.584 | 1722 | 1724 | 1728 | rBV2 | 650     | 641     | 0.03%   | 0.004%  |
| 51 | 6.683 | 1751 | 1755 | 1756 | rBV2 | 779     | 438     | 0.02%   | 0.002%  |
| 52 | 6.709 | 1761 | 1763 | 1766 | rBV2 | 467     | 280     | 0.01%   | 0.002%  |
| 53 | 6.793 | 1785 | 1789 | 1790 | rBV2 | 427     | 296     | 0.01%   | 0.002%  |
| 54 | 6.831 | 1800 | 1801 | 1806 | rVB2 | 510     | 246     | 0.01%   | 0.001%  |
| 55 | 6.857 | 1806 | 1809 | 1811 | rBV  | 630     | 387     | 0.02%   | 0.002%  |
| 56 | 6.989 | 1839 | 1850 | 1874 | rBV2 | 295069  | 547130  | 23.11%  | 3.049%  |
| 57 | 7.320 | 1940 | 1953 | 1971 | rBV  | 1125661 | 1951141 | 82.40%  | 10.874% |
| 58 | 7.625 | 2036 | 2048 | 2073 | rBV  | 210133  | 375755  | 15.87%  | 2.094%  |
| 59 | 8.092 | 2183 | 2193 | 2226 | rBV  | 505534  | 977888  | 41.30%  | 5.450%  |
| 60 | 8.510 | 2317 | 2323 | 2326 | rBV3 | 1081    | 1217    | 0.05%   | 0.007%  |
| 61 | 8.555 | 2335 | 2337 | 2341 | rVB3 | 836     | 442     | 0.02%   | 0.002%  |
| 62 | 8.574 | 2341 | 2343 | 2345 | rBV3 | 509     | 253     | 0.01%   | 0.001%  |
| 63 | 8.725 | 2388 | 2390 | 2394 | rBV4 | 703     | 425     | 0.02%   | 0.002%  |
| 64 | 8.857 | 2419 | 2431 | 2453 | rBV  | 1066686 | 1745640 | 73.72%  | 9.729%  |
| 65 | 9.098 | 2504 | 2506 | 2507 | rBV  | 481     | 200     | 0.01%   | 0.001%  |
| 66 | 9.223 | 2543 | 2545 | 2549 | rVB2 | 855     | 518     | 0.02%   | 0.003%  |
| 67 | 9.268 | 2555 | 2559 | 2562 | rBV  | 728     | 619     | 0.03%   | 0.003%  |
| 68 | 9.323 | 2574 | 2576 | 2577 | rBV  | 308     | 117     | 0.00%   | 0.001%  |
| 69 | 9.381 | 2592 | 2594 | 2596 | rBV2 | 591     | 277     | 0.01%   | 0.002%  |
| 70 | 9.471 | 2621 | 2622 | 2624 | rBV  | 339     | 130     | 0.01%   | 0.001%  |
| 71 | 9.484 | 2624 | 2626 | 2630 | rVB3 | 666     | 422     | 0.02%   | 0.002%  |
| 72 | 9.526 | 2636 | 2639 | 2642 | rBV2 | 355     | 234     | 0.01%   | 0.001%  |
| 73 | 9.664 | 2680 | 2682 | 2684 | rBV  | 514     | 273     | 0.01%   | 0.002%  |
| 74 | 9.870 | 2744 | 2746 | 2748 | rBV2 | 651     | 268     | 0.01%   | 0.001%  |
| 75 | 9.921 | 2758 | 2762 | 2764 | rBV2 | 640     | 422     | 0.02%   | 0.002%  |
| 76 | 9.937 | 2766 | 2767 | 2770 | rBV2 | 573     | 279     | 0.01%   | 0.002%  |

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Integrator: RTE

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Peak Location: TOP

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M

Title : VOC Analysis

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 77 | 10.136 | 2821 | 2829 | 2837 | rVB7 | 3974    | 6663    | 0.28%  | 0.037%  |
| 78 | 10.175 | 2837 | 2841 | 2842 | rBV2 | 665     | 366     | 0.02%  | 0.002%  |
| 79 | 10.220 | 2842 | 2855 | 2879 | rBV  | 748661  | 1153641 | 48.72% | 6.429%  |
| 80 | 10.458 | 2926 | 2929 | 2931 | rBV  | 680     | 413     | 0.02%  | 0.002%  |
| 81 | 10.497 | 2938 | 2941 | 2947 | rBV2 | 1073    | 982     | 0.04%  | 0.005%  |
| 82 | 10.664 | 2991 | 2993 | 2996 | rBV2 | 727     | 386     | 0.02%  | 0.002%  |
| 83 | 10.863 | 3049 | 3055 | 3059 | rBV5 | 1021    | 1257    | 0.05%  | 0.007%  |
| 84 | 10.927 | 3067 | 3075 | 3081 | rVV8 | 3741    | 5859    | 0.25%  | 0.033%  |
| 85 | 10.969 | 3085 | 3088 | 3090 | rVB3 | 627     | 420     | 0.02%  | 0.002%  |
| 86 | 11.255 | 3165 | 3177 | 3197 | rBV  | 1063564 | 1647674 | 69.59% | 9.183%  |
| 87 | 11.503 | 3252 | 3254 | 3258 | rBV3 | 752     | 634     | 0.03%  | 0.004%  |
| 88 | 11.632 | 3282 | 3294 | 3312 | rBV  | 1198749 | 1877069 | 79.27% | 10.461% |
| 89 | 11.870 | 3366 | 3368 | 3377 | rVB3 | 867     | 889     | 0.04%  | 0.005%  |
| 90 | 12.008 | 3407 | 3411 | 3412 | rBV2 | 627     | 438     | 0.02%  | 0.002%  |
| 91 | 12.098 | 3437 | 3439 | 3441 | rBV  | 680     | 263     | 0.01%  | 0.001%  |
| 92 | 12.207 | 3471 | 3473 | 3474 | rBV  | 816     | 338     | 0.01%  | 0.002%  |
| 93 | 12.384 | 3526 | 3528 | 3530 | rVB  | 802     | 314     | 0.01%  | 0.002%  |
| 94 | 12.397 | 3530 | 3532 | 3534 | rBV3 | 609     | 341     | 0.01%  | 0.002%  |
| 95 | 13.088 | 3744 | 3747 | 3749 | rBV  | 890     | 602     | 0.03%  | 0.003%  |

Sum of corrected areas: 17943179



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Instrument :  
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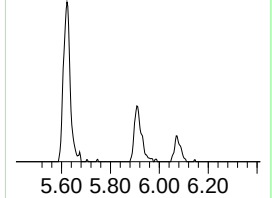
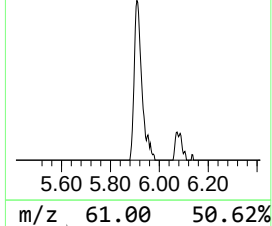
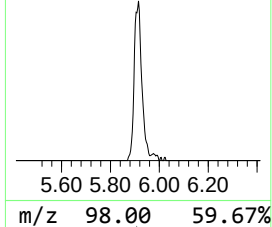
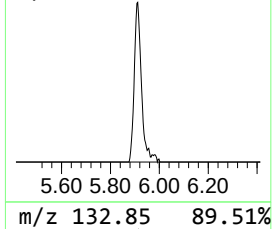
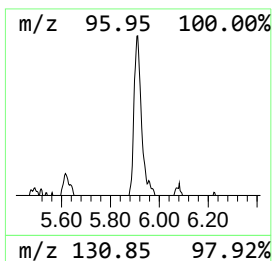
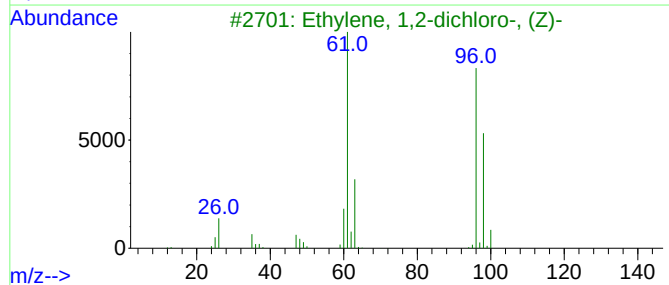
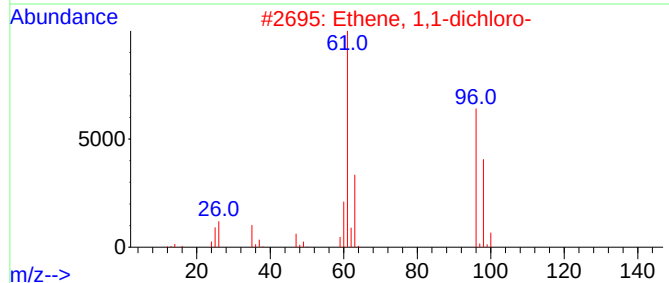
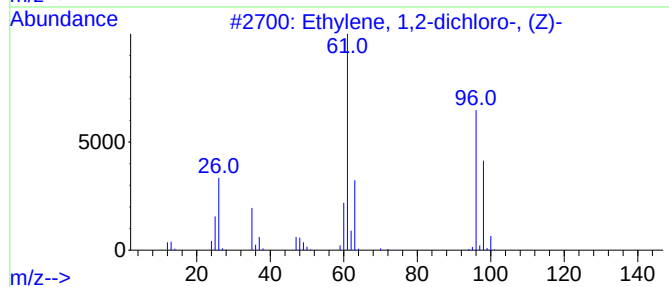
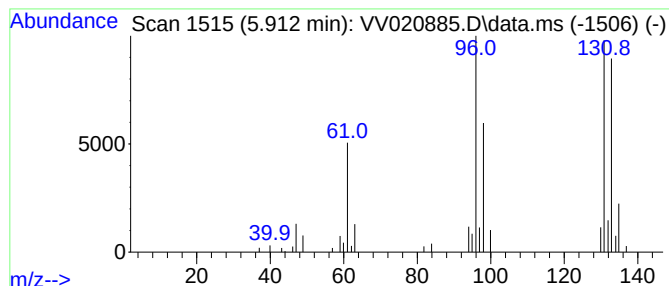
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
Quant Title : VOC Analysis

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.  |
|-------|-----------|-------|---------------------|-------|
| 5.912 | 2.55 ug/L | 73365 | 1,4-Difluorobenzene | 5.619 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Ethylene, 1,2-dichloro-, (Z)-       | 96  | C2H2Cl2   | 000156-59-2 | 25   |
| 2    |    |   | Ethene, 1,1-dichloro-               | 96  | C2H2Cl2   | 000075-35-4 | 25   |
| 3    |    |   | Ethylene, 1,2-dichloro-, (Z)-       | 96  | C2H2Cl2   | 000156-59-2 | 25   |
| 4    |    |   | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3 | 23   |
| 5    |    |   | Ethene, 1,1-dichloro-               | 96  | C2H2Cl2   | 000075-35-4 | 12   |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown-01       | 5.912 | 2.5     | ug/L  | 73365    | 1                     | 5.619 | 1439300 | 50.0 |