

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\  
 Data File : VV018801.D  
 Acq On : 09 Oct 2020 08:09  
 Operator : SY/MD  
 Sample : VV1009WBL02  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK74

## 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\SOMVLM100820WMA.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    | 64         | 70       | 86        | rVB   | 226981      | 228054     | 14.60%       | 2.089%     |
| 2      | 1.579    | 144        | 152      | 167       | rBV   | 188274      | 214778     | 13.75%       | 1.968%     |
| 3      | 2.123    | 311        | 321      | 349       | rVB   | 374337      | 576323     | 36.91%       | 5.280%     |
| 4      | 2.524    | 442        | 446      | 459       | rVB7  | 1814        | 3234       | 0.21%        | 0.030%     |
| 5      | 2.608    | 470        | 472      | 476       | rVB2  | 372         | 189        | 0.01%        | 0.002%     |
| 6      | 2.640    | 480        | 482      | 484       | rBV   | 303         | 192        | 0.01%        | 0.002%     |
| 7      | 2.685    | 493        | 496      | 498       | rVB2  | 472         | 209        | 0.01%        | 0.002%     |
| 8      | 2.737    | 509        | 512      | 516       | rBV2  | 278         | 213        | 0.01%        | 0.002%     |
| 9      | 2.775    | 519        | 524      | 534       | rVB7  | 919         | 1443       | 0.09%        | 0.013%     |
| 10     | 2.894    | 555        | 561      | 565       | rBV3  | 498         | 548        | 0.04%        | 0.005%     |
| 11     | 2.981    | 582        | 588      | 590       | rBV2  | 311         | 372        | 0.02%        | 0.003%     |
| 12     | 3.135    | 633        | 636      | 639       | rBV   | 505         | 331        | 0.02%        | 0.003%     |
| 13     | 3.277    | 678        | 680      | 683       | rVB   | 252         | 133        | 0.01%        | 0.001%     |
| 14     | 3.299    | 683        | 687      | 690       | rBV2  | 363         | 292        | 0.02%        | 0.003%     |
| 15     | 3.360    | 703        | 706      | 710       | rVB   | 392         | 323        | 0.02%        | 0.003%     |
| 16     | 3.409    | 715        | 721      | 723       | rBV3  | 277         | 307        | 0.02%        | 0.003%     |
| 17     | 3.444    | 729        | 732      | 736       | rBV2  | 251         | 168        | 0.01%        | 0.002%     |
| 18     | 3.479    | 741        | 743      | 749       | rVB2  | 422         | 295        | 0.02%        | 0.003%     |
| 19     | 3.582    | 772        | 775      | 779       | rVB3  | 336         | 267        | 0.02%        | 0.002%     |
| 20     | 3.605    | 779        | 782      | 786       | rBV   | 296         | 268        | 0.02%        | 0.002%     |
| 21     | 3.679    | 802        | 805      | 808       | rVV   | 423         | 291        | 0.02%        | 0.003%     |
| 22     | 3.782    | 832        | 837      | 840       | rBV3  | 660         | 718        | 0.05%        | 0.007%     |
| 23     | 3.907    | 865        | 876      | 906       | rBV2  | 105396      | 298683     | 19.13%       | 2.736%     |
| 24     | 4.303    | 993        | 999      | 1001      | rBV4  | 637         | 723        | 0.05%        | 0.007%     |
| 25     | 4.377    | 1005       | 1022     | 1051      | rVV   | 240689      | 593711     | 38.02%       | 5.439%     |
| 26     | 4.733    | 1131       | 1133     | 1137      | rVB3  | 639         | 453        | 0.03%        | 0.004%     |
| 27     | 4.762    | 1137       | 1142     | 1144      | rBV2  | 266         | 234        | 0.01%        | 0.002%     |
| 28     | 4.775    | 1144       | 1146     | 1150      | rVV   | 294         | 135        | 0.01%        | 0.001%     |
| 29     | 4.920    | 1190       | 1191     | 1196      | rVB   | 246         | 160        | 0.01%        | 0.001%     |
| 30     | 4.942    | 1196       | 1198     | 1204      | rVB3  | 377         | 242        | 0.02%        | 0.002%     |
| 31     | 4.971    | 1204       | 1207     | 1209      | rBV2  | 435         | 339        | 0.02%        | 0.003%     |
| 32     | 5.071    | 1221       | 1238     | 1262      | rBV2  | 610254      | 1561625    | 100.00%      | 14.306%    |
| 33     | 5.505    | 1371       | 1373     | 1376      | rBV   | 269         | 190        | 0.01%        | 0.002%     |
| 34     | 5.573    | 1390       | 1394     | 1399      | rBV4  | 441         | 345        | 0.02%        | 0.003%     |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM100820WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 35 | 5.640  | 1403 | 1415 | 1446 | rBV  | 397240 | 802235  | 51.37% | 7.349%  |
| 36 | 5.930  | 1493 | 1505 | 1522 | rBV  | 52201  | 108519  | 6.95%  | 0.994%  |
| 37 | 6.093  | 1542 | 1556 | 1586 | rBV  | 358249 | 728504  | 46.65% | 6.674%  |
| 38 | 6.441  | 1660 | 1664 | 1668 | rBV  | 554    | 589     | 0.04%  | 0.005%  |
| 39 | 6.492  | 1678 | 1680 | 1686 | rBB2 | 317    | 218     | 0.01%  | 0.002%  |
| 40 | 6.576  | 1699 | 1706 | 1709 | rBV4 | 538    | 529     | 0.03%  | 0.005%  |
| 41 | 6.621  | 1718 | 1720 | 1724 | rVB  | 413    | 249     | 0.02%  | 0.002%  |
| 42 | 6.675  | 1734 | 1737 | 1739 | rBV2 | 569    | 375     | 0.02%  | 0.003%  |
| 43 | 6.724  | 1750 | 1752 | 1757 | rVB  | 431    | 334     | 0.02%  | 0.003%  |
| 44 | 6.881  | 1797 | 1801 | 1804 | rBV  | 281    | 222     | 0.01%  | 0.002%  |
| 45 | 6.968  | 1821 | 1828 | 1829 | rBV2 | 325    | 324     | 0.02%  | 0.003%  |
| 46 | 7.007  | 1829 | 1840 | 1864 | rBV  | 176643 | 321186  | 20.57% | 2.942%  |
| 47 | 7.177  | 1891 | 1893 | 1895 | rVB2 | 471    | 206     | 0.01%  | 0.002%  |
| 48 | 7.338  | 1931 | 1943 | 1964 | rBV  | 670982 | 1140763 | 73.05% | 10.450% |
| 49 | 7.643  | 2027 | 2038 | 2061 | rBV  | 127539 | 219753  | 14.07% | 2.013%  |
| 50 | 8.000  | 2141 | 2149 | 2159 | rBV4 | 5215   | 8777    | 0.56%  | 0.080%  |
| 51 | 8.055  | 2165 | 2166 | 2169 | rBV  | 375    | 146     | 0.01%  | 0.001%  |
| 52 | 8.106  | 2172 | 2182 | 2218 | rBV2 | 307480 | 632731  | 40.52% | 5.796%  |
| 53 | 8.431  | 2280 | 2283 | 2284 | rBV  | 478    | 270     | 0.02%  | 0.002%  |
| 54 | 8.553  | 2317 | 2321 | 2324 | rBV2 | 276    | 232     | 0.01%  | 0.002%  |
| 55 | 8.608  | 2335 | 2338 | 2342 | rBV2 | 255    | 175     | 0.01%  | 0.002%  |
| 56 | 8.666  | 2353 | 2356 | 2362 | rVB  | 452    | 381     | 0.02%  | 0.003%  |
| 57 | 8.743  | 2376 | 2380 | 2382 | rBV3 | 299    | 260     | 0.02%  | 0.002%  |
| 58 | 8.871  | 2408 | 2420 | 2443 | rBV  | 578633 | 946189  | 60.59% | 8.668%  |
| 59 | 9.032  | 2468 | 2470 | 2474 | rBV4 | 512    | 396     | 0.03%  | 0.004%  |
| 60 | 9.129  | 2498 | 2500 | 2503 | rBV  | 298    | 129     | 0.01%  | 0.001%  |
| 61 | 9.351  | 2566 | 2569 | 2574 | rBV3 | 284    | 293     | 0.02%  | 0.003%  |
| 62 | 9.431  | 2591 | 2594 | 2596 | rVB2 | 307    | 128     | 0.01%  | 0.001%  |
| 63 | 9.492  | 2610 | 2613 | 2617 | rVB2 | 474    | 235     | 0.02%  | 0.002%  |
| 64 | 9.579  | 2633 | 2640 | 2642 | rBV2 | 576    | 576     | 0.04%  | 0.005%  |
| 65 | 9.662  | 2660 | 2666 | 2669 | rBV3 | 413    | 380     | 0.02%  | 0.003%  |
| 66 | 9.711  | 2678 | 2681 | 2684 | rBV2 | 332    | 197     | 0.01%  | 0.002%  |
| 67 | 9.788  | 2702 | 2705 | 2707 | rBV  | 322    | 232     | 0.01%  | 0.002%  |
| 68 | 9.823  | 2712 | 2716 | 2719 | rBV2 | 227    | 152     | 0.01%  | 0.001%  |
| 69 | 9.955  | 2756 | 2757 | 2760 | rBV2 | 265    | 138     | 0.01%  | 0.001%  |
| 70 | 10.238 | 2833 | 2845 | 2863 | rBV  | 323173 | 518007  | 33.17% | 4.745%  |
| 71 | 10.383 | 2885 | 2890 | 2892 | rBV2 | 490    | 448     | 0.03%  | 0.004%  |

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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\SOMVLM100820WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 72  | 10.444 | 2906 | 2909 | 2912 | rBV2 | 290    | 236     | 0.02%  | 0.002% |
| 73  | 10.473 | 2916 | 2918 | 2925 | rVB3 | 706    | 664     | 0.04%  | 0.006% |
| 74  | 10.566 | 2940 | 2947 | 2952 | rBV4 | 865    | 1183    | 0.08%  | 0.011% |
| 75  | 10.717 | 2990 | 2994 | 3002 | rBV4 | 752    | 1029    | 0.07%  | 0.009% |
| 76  | 10.830 | 3025 | 3029 | 3031 | rBV2 | 443    | 332     | 0.02%  | 0.003% |
| 77  | 10.868 | 3038 | 3041 | 3044 | rBV2 | 229    | 152     | 0.01%  | 0.001% |
| 78  | 10.887 | 3045 | 3047 | 3049 | rBV  | 257    | 152     | 0.01%  | 0.001% |
| 79  | 10.945 | 3057 | 3065 | 3067 | rBV4 | 1232   | 1463    | 0.09%  | 0.013% |
| 80  | 10.974 | 3072 | 3074 | 3076 | rBV2 | 378    | 193     | 0.01%  | 0.002% |
| 81  | 11.013 | 3082 | 3086 | 3089 | rBV4 | 723    | 564     | 0.04%  | 0.005% |
| 82  | 11.132 | 3117 | 3123 | 3126 | rBV3 | 312    | 385     | 0.02%  | 0.004% |
| 83  | 11.209 | 3142 | 3147 | 3149 | rBV3 | 442    | 454     | 0.03%  | 0.004% |
| 84  | 11.270 | 3154 | 3166 | 3189 | rBV  | 593770 | 907847  | 58.13% | 8.316% |
| 85  | 11.646 | 3271 | 3283 | 3308 | rBV  | 700590 | 1076003 | 68.90% | 9.857% |
| 86  | 11.839 | 3340 | 3343 | 3346 | rBV3 | 380    | 220     | 0.01%  | 0.002% |
| 87  | 11.881 | 3352 | 3356 | 3361 | rVB2 | 578    | 507     | 0.03%  | 0.005% |
| 88  | 12.019 | 3395 | 3399 | 3402 | rBV3 | 457    | 381     | 0.02%  | 0.003% |
| 89  | 12.672 | 3600 | 3602 | 3606 | rBV  | 425    | 281     | 0.02%  | 0.003% |
| 90  | 12.756 | 3626 | 3628 | 3630 | rBV2 | 355    | 204     | 0.01%  | 0.002% |
| 91  | 12.830 | 3648 | 3651 | 3656 | rBV  | 302    | 253     | 0.02%  | 0.002% |
| 92  | 12.894 | 3665 | 3671 | 3674 | rBV2 | 641    | 575     | 0.04%  | 0.005% |
| 93  | 12.929 | 3678 | 3682 | 3686 | rBV2 | 398    | 398     | 0.03%  | 0.004% |
| 94  | 13.035 | 3713 | 3715 | 3718 | rBV2 | 306    | 203     | 0.01%  | 0.002% |
| 95  | 13.067 | 3722 | 3725 | 3728 | rBV  | 391    | 290     | 0.02%  | 0.003% |
| 96  | 13.289 | 3792 | 3794 | 3796 | rBV2 | 653    | 444     | 0.03%  | 0.004% |
| 97  | 13.315 | 3800 | 3802 | 3808 | rVB2 | 694    | 497     | 0.03%  | 0.005% |
| 98  | 13.405 | 3827 | 3830 | 3837 | rBV3 | 389    | 453     | 0.03%  | 0.004% |
| 99  | 13.601 | 3888 | 3891 | 3892 | rBV  | 414    | 235     | 0.02%  | 0.002% |
| 100 | 14.087 | 4040 | 4042 | 4046 | rBV2 | 417    | 355     | 0.02%  | 0.003% |

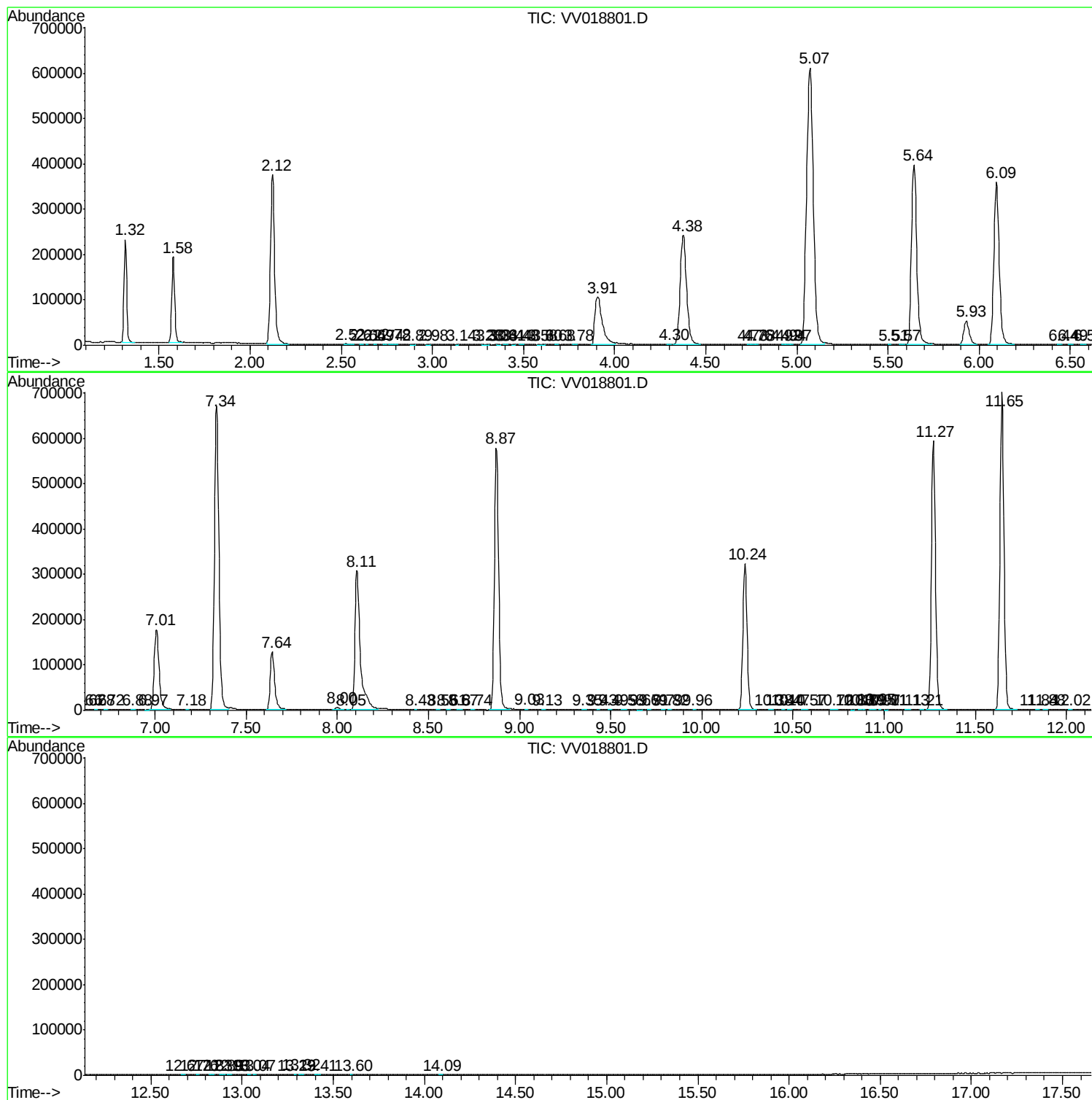
Sum of corrected areas: 10916219

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM100820WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV100920\  
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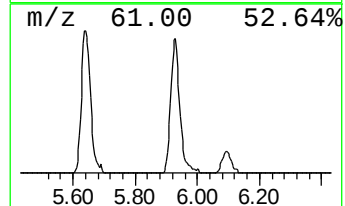
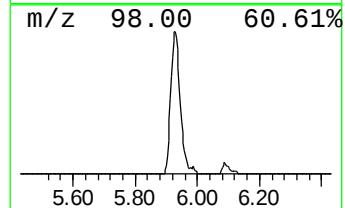
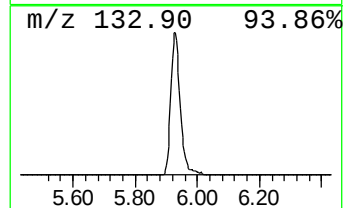
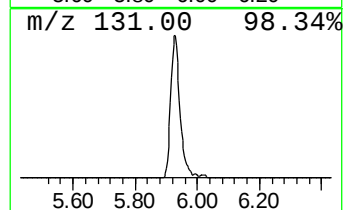
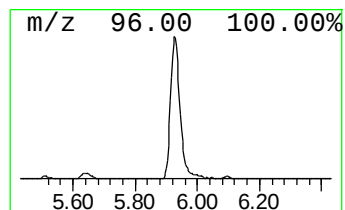
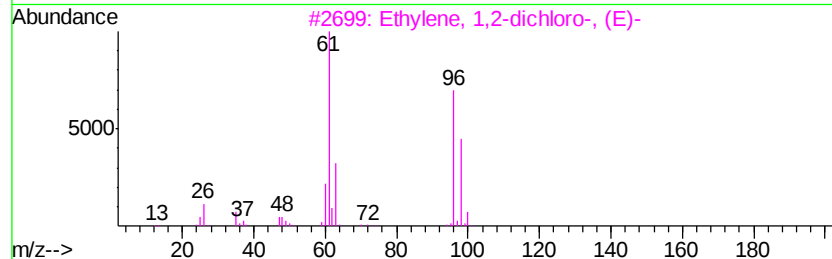
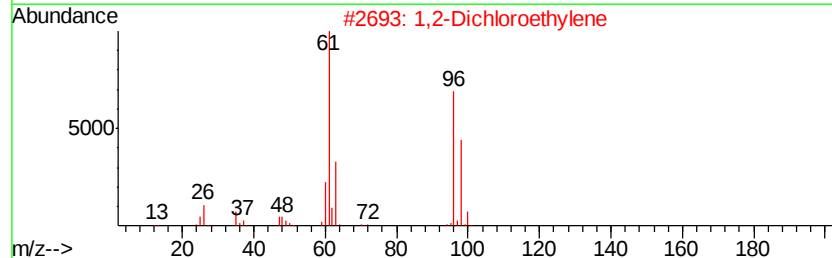
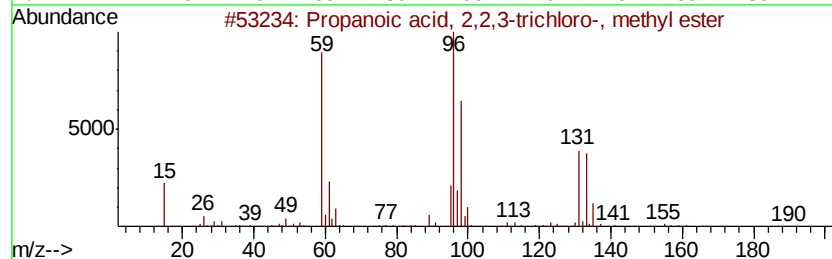
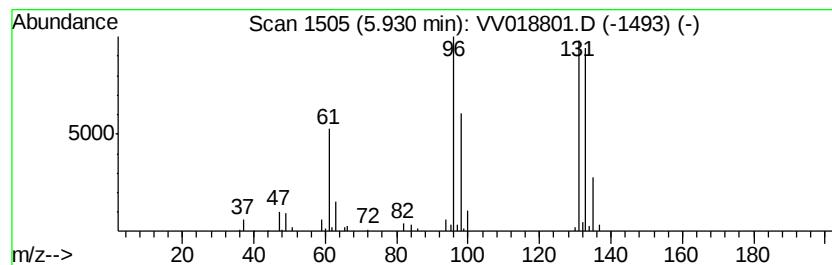
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Quant Title : VOC Analysis

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

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

| R.T.      | EstConc                             | Area   | Relative to ISTD    | R.T.        |      |
|-----------|-------------------------------------|--------|---------------------|-------------|------|
| 5.93      | 6.76 ug/L                           | 108519 | 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         | 1,2-Dichloroethylene                | 96     | C2H2Cl2             | 000540-59-0 | 41   |
| 3         | Ethylene, 1,2-dichloro-, (E)-       | 96     | C2H2Cl2             | 000156-60-5 | 41   |
| 4         | Ethylene, 1,2-dichloro-, (Z)-       | 96     | C2H2Cl2             | 000156-59-2 | 41   |
| 5         | Ethene, 1,1-dichloro-               | 96     | C2H2Cl2             | 000075-35-4 | 38   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Propanoic acid, 2... | 5.93 | 6.8     | ug/L  | 108519   | 1                     | 5.64 | 802235 | 50.0 |