

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101419\  
 Data File : VV013142.D  
 Acq On : 14 Oct 2019 15:14  
 Operator : SY/MD  
 Sample : K5347-02DL 50X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AF0DL

## 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\SOMVLM101119WMA.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         | 1.315       | 63            | 70          | 94           | rVB      | 285591         | 323618        | 12.68%          | 1.616%        |
| 2         | 1.582       | 146           | 153         | 167          | rBV      | 262012         | 296246        | 11.61%          | 1.479%        |
| 3         | 2.126       | 312           | 322         | 335          | rBV      | 507272         | 704749        | 27.61%          | 3.519%        |
| 4         | 2.537       | 444           | 450         | 459          | rVB8     | 3241           | 5729          | 0.22%           | 0.029%        |
| 5         | 2.643       | 476           | 483         | 484          | rBV5     | 2295           | 2391          | 0.09%           | 0.012%        |
| 6         | 2.701       | 499           | 501         | 508          | rVB4     | 852            | 706           | 0.03%           | 0.004%        |
| 7         | 2.730       | 508           | 510         | 514          | rVB4     | 1119           | 750           | 0.03%           | 0.004%        |
| 8         | 2.884       | 555           | 558         | 562          | rVB2     | 676            | 400           | 0.02%           | 0.002%        |
| 9         | 3.103       | 623           | 626         | 630          | rBV4     | 913            | 691           | 0.03%           | 0.003%        |
| 10        | 3.174       | 640           | 648         | 652          | rBV4     | 827            | 1191          | 0.05%           | 0.006%        |
| 11        | 3.264       | 669           | 676         | 680          | rBV3     | 687            | 819           | 0.03%           | 0.004%        |
| 12        | 3.376       | 705           | 711         | 715          | rBV4     | 710            | 764           | 0.03%           | 0.004%        |
| 13        | 3.425       | 725           | 726         | 732          | rVB2     | 743            | 548           | 0.02%           | 0.003%        |
| 14        | 3.460       | 732           | 737         | 740          | rBV3     | 517            | 472           | 0.02%           | 0.002%        |
| 15        | 3.521       | 751           | 756         | 761          | rVB4     | 641            | 597           | 0.02%           | 0.003%        |
| 16        | 3.640       | 787           | 793         | 798          | rBV      | 736            | 661           | 0.03%           | 0.003%        |
| 17        | 3.679       | 798           | 805         | 806          | rBV2     | 579            | 572           | 0.02%           | 0.003%        |
| 18        | 3.974       | 880           | 897         | 954          | rBV      | 109197         | 622543        | 24.39%          | 3.108%        |
| 19        | 4.399       | 1012          | 1029        | 1067         | rVB      | 404684         | 995587        | 39.01%          | 4.971%        |
| 20        | 4.685       | 1115          | 1118        | 1122         | rVB3     | 776            | 427           | 0.02%           | 0.002%        |
| 21        | 4.717       | 1126          | 1128        | 1134         | rVB5     | 605            | 532           | 0.02%           | 0.003%        |
| 22        | 4.872       | 1174          | 1176        | 1184         | rVB4     | 570            | 542           | 0.02%           | 0.003%        |
| 23        | 4.945       | 1196          | 1199        | 1202         | rBV3     | 663            | 534           | 0.02%           | 0.003%        |
| 24        | 5.016       | 1216          | 1221        | 1225         | rBV4     | 466            | 489           | 0.02%           | 0.002%        |
| 25        | 5.093       | 1226          | 1245        | 1280         | rBV2     | 1036359        | 2552398       | 100.00%         | 12.745%       |
| 26        | 5.306       | 1308          | 1311        | 1315         | rBV4     | 671            | 434           | 0.02%           | 0.002%        |
| 27        | 5.363       | 1325          | 1329        | 1335         | rVB6     | 1052           | 1231          | 0.05%           | 0.006%        |
| 28        | 5.399       | 1335          | 1340        | 1344         | rBV6     | 1381           | 1262          | 0.05%           | 0.006%        |
| 29        | 5.441       | 1351          | 1353        | 1357         | rBV2     | 620            | 421           | 0.02%           | 0.002%        |
| 30        | 5.515       | 1374          | 1376        | 1378         | rVV      | 665            | 413           | 0.02%           | 0.002%        |
| 31        | 5.543       | 1381          | 1385        | 1393         | rVB5     | 894            | 1086          | 0.04%           | 0.005%        |
| 32        | 5.576       | 1393          | 1395        | 1397         | rBV      | 698            | 474           | 0.02%           | 0.002%        |
| 33        | 5.662       | 1407          | 1422        | 1456         | rBV      | 831272         | 1647667       | 64.55%          | 8.227%        |
| 34        | 5.945       | 1497          | 1510        | 1528         | rBV      | 53842          | 108742        | 4.26%           | 0.543%        |

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Filtering: 5  
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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\SOMVLM101119WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 35 | 6.116  | 1548 | 1563 | 1593 | rVV  | 573044  | 1173094 | 45.96% | 5.857%  |
| 36 | 6.312  | 1620 | 1624 | 1629 | rVB6 | 1057    | 1100    | 0.04%  | 0.005%  |
| 37 | 6.476  | 1670 | 1675 | 1677 | rVV3 | 663     | 552     | 0.02%  | 0.003%  |
| 38 | 6.560  | 1696 | 1701 | 1706 | rBV3 | 719     | 760     | 0.03%  | 0.004%  |
| 39 | 6.659  | 1723 | 1732 | 1739 | rBV7 | 2176    | 4248    | 0.17%  | 0.021%  |
| 40 | 6.788  | 1767 | 1772 | 1775 | rBV5 | 490     | 594     | 0.02%  | 0.003%  |
| 41 | 7.029  | 1833 | 1847 | 1873 | rBV  | 284509  | 518309  | 20.31% | 2.588%  |
| 42 | 7.357  | 1934 | 1949 | 1979 | rBV  | 1100221 | 1920536 | 75.24% | 9.590%  |
| 43 | 7.662  | 2033 | 2044 | 2066 | rVV  | 202958  | 348064  | 13.64% | 1.738%  |
| 44 | 7.797  | 2082 | 2086 | 2089 | rBV4 | 609     | 405     | 0.02%  | 0.002%  |
| 45 | 7.817  | 2089 | 2092 | 2100 | rVB7 | 989     | 1048    | 0.04%  | 0.005%  |
| 46 | 7.859  | 2100 | 2105 | 2108 | rBV2 | 916     | 911     | 0.04%  | 0.005%  |
| 47 | 8.016  | 2140 | 2154 | 2180 | rBV  | 742549  | 1237414 | 48.48% | 6.179%  |
| 48 | 8.138  | 2180 | 2192 | 2230 | rBV2 | 546247  | 1225828 | 48.03% | 6.121%  |
| 49 | 8.495  | 2300 | 2303 | 2307 | rVB4 | 887     | 619     | 0.02%  | 0.003%  |
| 50 | 8.521  | 2307 | 2311 | 2316 | rBV5 | 499     | 571     | 0.02%  | 0.003%  |
| 51 | 8.646  | 2345 | 2350 | 2353 | rBV3 | 1295    | 1212    | 0.05%  | 0.006%  |
| 52 | 8.698  | 2364 | 2366 | 2370 | rVB4 | 730     | 514     | 0.02%  | 0.003%  |
| 53 | 8.736  | 2376 | 2378 | 2381 | rVB3 | 867     | 422     | 0.02%  | 0.002%  |
| 54 | 8.810  | 2398 | 2401 | 2404 | rBV4 | 741     | 623     | 0.02%  | 0.003%  |
| 55 | 8.894  | 2412 | 2427 | 2454 | rBV  | 1232507 | 2014680 | 78.93% | 10.060% |
| 56 | 9.106  | 2490 | 2493 | 2496 | rVB3 | 745     | 562     | 0.02%  | 0.003%  |
| 57 | 9.254  | 2537 | 2539 | 2544 | rVB4 | 710     | 511     | 0.02%  | 0.003%  |
| 58 | 9.360  | 2566 | 2572 | 2576 | rBV4 | 923     | 888     | 0.03%  | 0.004%  |
| 59 | 9.415  | 2582 | 2589 | 2592 | rBV5 | 902     | 1089    | 0.04%  | 0.005%  |
| 60 | 9.460  | 2598 | 2603 | 2607 | rBV3 | 561     | 494     | 0.02%  | 0.002%  |
| 61 | 9.482  | 2607 | 2610 | 2614 | rVB  | 537     | 449     | 0.02%  | 0.002%  |
| 62 | 9.511  | 2614 | 2619 | 2621 | rBV2 | 740     | 713     | 0.03%  | 0.004%  |
| 63 | 9.547  | 2627 | 2630 | 2633 | rBV4 | 646     | 542     | 0.02%  | 0.003%  |
| 64 | 9.579  | 2636 | 2640 | 2643 | rVV2 | 570     | 437     | 0.02%  | 0.002%  |
| 65 | 9.736  | 2686 | 2689 | 2693 | rVV2 | 684     | 517     | 0.02%  | 0.003%  |
| 66 | 9.756  | 2693 | 2695 | 2700 | rVB2 | 666     | 433     | 0.02%  | 0.002%  |
| 67 | 9.801  | 2708 | 2709 | 2716 | rVB3 | 450     | 428     | 0.02%  | 0.002%  |
| 68 | 9.839  | 2716 | 2721 | 2724 | rVB2 | 664     | 414     | 0.02%  | 0.002%  |
| 69 | 9.932  | 2748 | 2750 | 2754 | rBV  | 710     | 592     | 0.02%  | 0.003%  |
| 70 | 10.141 | 2812 | 2815 | 2819 | rVB3 | 526     | 422     | 0.02%  | 0.002%  |
| 71 | 10.257 | 2838 | 2851 | 2872 | rBV  | 728050  | 1142757 | 44.77% | 5.706%  |

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 C0AF0DL

## Integration Parameters: LSCINT.P

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 Start Thrs: 0.2  
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 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101119WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 10.421 | 2896 | 2902 | 2913 | rVB4 | 1349    | 1889    | 0.07%  | 0.009% |
| 73  | 10.514 | 2927 | 2931 | 2934 | rBV  | 766     | 723     | 0.03%  | 0.004% |
| 74  | 10.553 | 2938 | 2943 | 2945 | rBV3 | 528     | 473     | 0.02%  | 0.002% |
| 75  | 10.643 | 2965 | 2971 | 2974 | rBV3 | 754     | 722     | 0.03%  | 0.004% |
| 76  | 10.781 | 3011 | 3014 | 3021 | rBV4 | 605     | 739     | 0.03%  | 0.004% |
| 77  | 10.813 | 3021 | 3024 | 3029 | rVB4 | 853     | 757     | 0.03%  | 0.004% |
| 78  | 10.868 | 3036 | 3041 | 3044 | rBV2 | 530     | 494     | 0.02%  | 0.002% |
| 79  | 10.903 | 3049 | 3052 | 3055 | rBV3 | 551     | 433     | 0.02%  | 0.002% |
| 80  | 10.955 | 3066 | 3068 | 3073 | rVB4 | 882     | 602     | 0.02%  | 0.003% |
| 81  | 11.096 | 3110 | 3112 | 3116 | rBV  | 541     | 440     | 0.02%  | 0.002% |
| 82  | 11.202 | 3141 | 3145 | 3148 | rBV2 | 989     | 793     | 0.03%  | 0.004% |
| 83  | 11.222 | 3148 | 3151 | 3153 | rBV2 | 780     | 501     | 0.02%  | 0.003% |
| 84  | 11.289 | 3160 | 3172 | 3196 | rBV  | 962393  | 1507694 | 59.07% | 7.528% |
| 85  | 11.495 | 3232 | 3236 | 3240 | rVV4 | 692     | 640     | 0.03%  | 0.003% |
| 86  | 11.518 | 3240 | 3243 | 3248 | rVB4 | 907     | 847     | 0.03%  | 0.004% |
| 87  | 11.582 | 3260 | 3263 | 3268 | rBV3 | 898     | 788     | 0.03%  | 0.004% |
| 88  | 11.669 | 3275 | 3290 | 3313 | rBV  | 1027518 | 1621256 | 63.52% | 8.095% |
| 89  | 12.003 | 3388 | 3394 | 3397 | rBV5 | 895     | 1016    | 0.04%  | 0.005% |
| 90  | 12.228 | 3461 | 3464 | 3466 | rBV3 | 871     | 614     | 0.02%  | 0.003% |
| 91  | 12.337 | 3491 | 3498 | 3502 | rBV4 | 595     | 809     | 0.03%  | 0.004% |
| 92  | 12.595 | 3575 | 3578 | 3586 | rVB3 | 842     | 986     | 0.04%  | 0.005% |
| 93  | 12.694 | 3605 | 3609 | 3617 | rBV5 | 1674    | 1659    | 0.06%  | 0.008% |
| 94  | 12.784 | 3633 | 3637 | 3640 | rBV3 | 686     | 535     | 0.02%  | 0.003% |
| 95  | 12.884 | 3665 | 3668 | 3675 | rBV3 | 677     | 728     | 0.03%  | 0.004% |
| 96  | 12.932 | 3680 | 3683 | 3685 | rBV2 | 673     | 446     | 0.02%  | 0.002% |
| 97  | 13.218 | 3767 | 3772 | 3776 | rBV3 | 702     | 825     | 0.03%  | 0.004% |
| 98  | 13.347 | 3809 | 3812 | 3816 | rVB4 | 800     | 463     | 0.02%  | 0.002% |
| 99  | 13.881 | 3975 | 3978 | 3980 | rBV3 | 795     | 494     | 0.02%  | 0.002% |
| 100 | 14.434 | 4147 | 4150 | 4151 | rBV2 | 991     | 543     | 0.02%  | 0.003% |

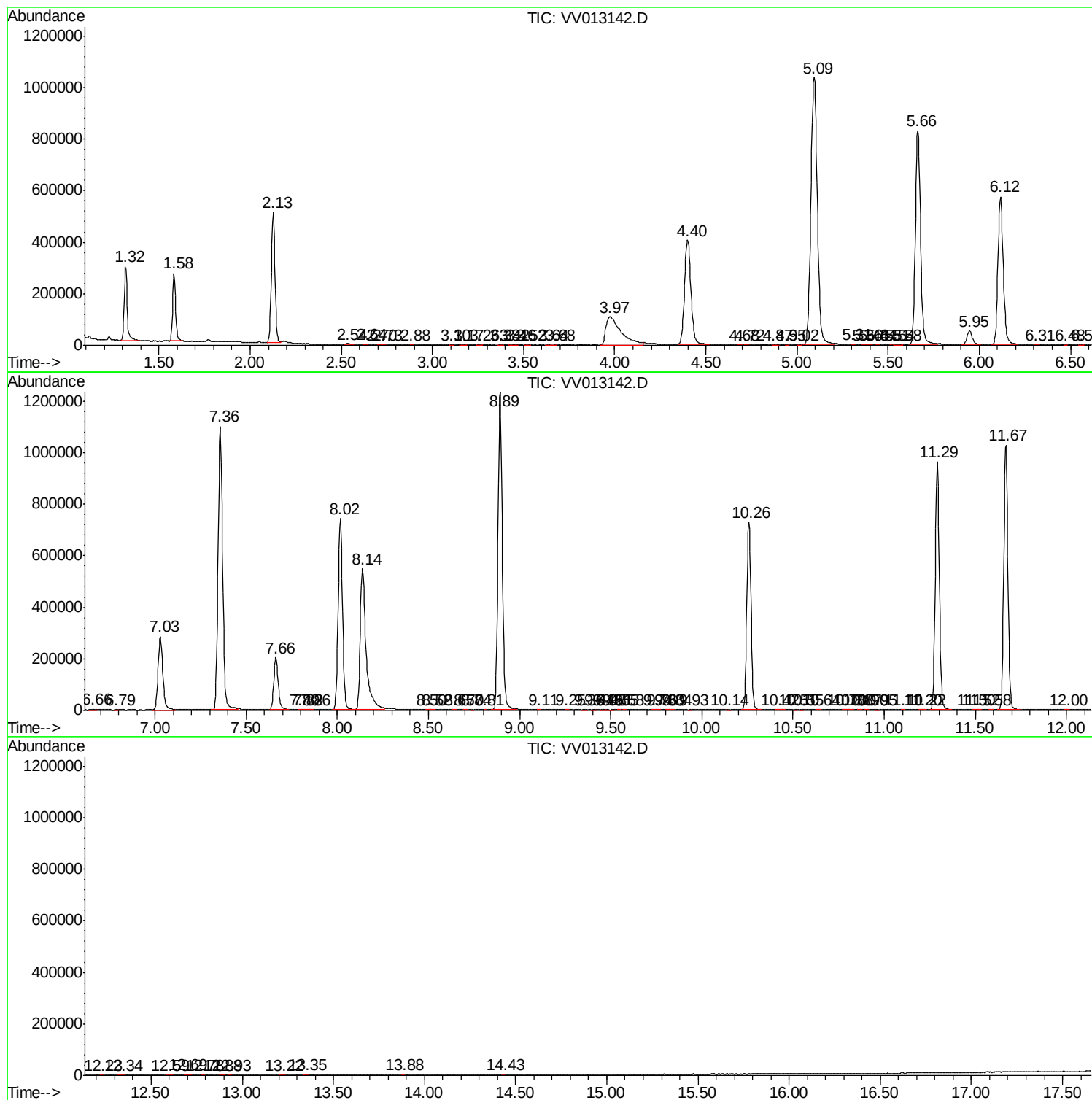
Sum of corrected areas: 20027347

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV0101419\  
Data File : VV013142.D  
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Sample : K5347-02DL 50X  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101119WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV101419\  
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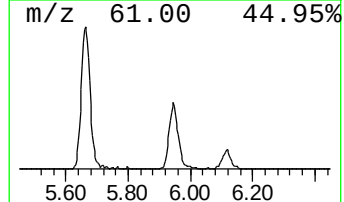
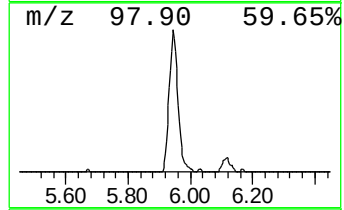
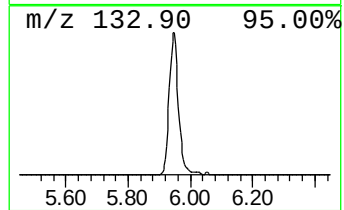
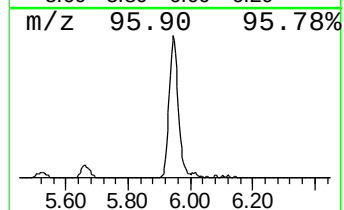
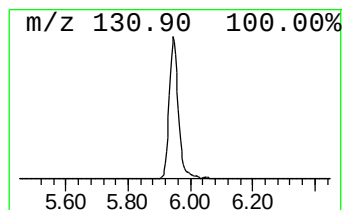
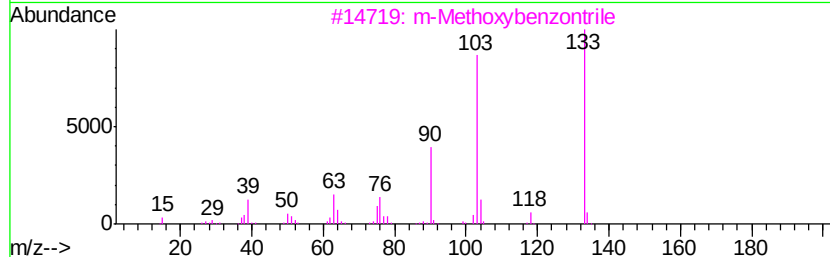
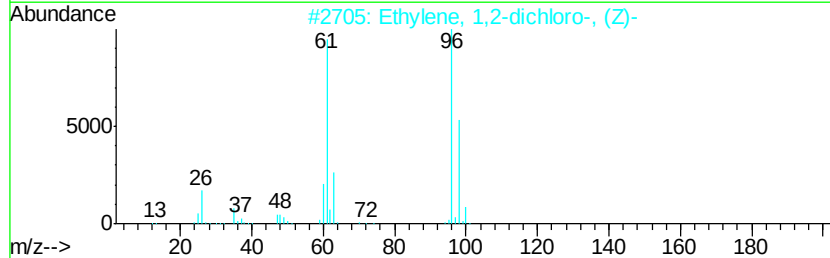
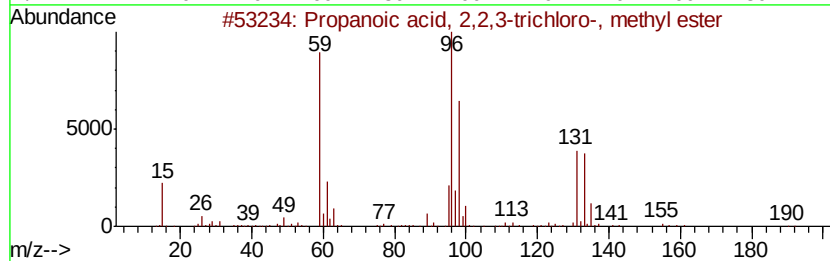
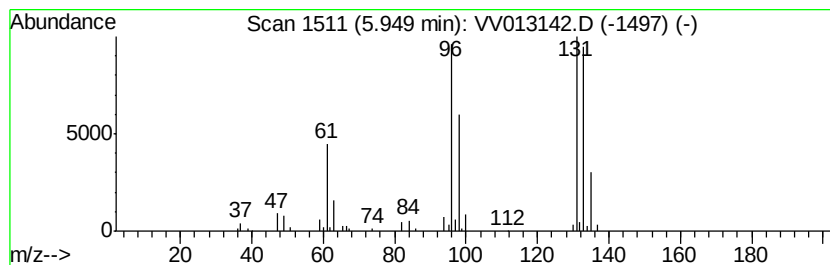
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101119WMA.M  
Quant Title : VOC Analysis

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. |
|------|-----------|--------|---------------------|------|
| 5.95 | 3.30 ug/L | 108742 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3  | 37   |
| 2    |    | Ethylene, 1,2-dichloro-, (Z)-       | 96  | C2H2Cl2   | 000156-59-2  | 35   |
| 3    |    | m-Methoxybenzonitrile               | 133 | C8H7NO    | 001527-89-5  | 9    |
| 4    |    | Benzoxazole, 2-methyl-              | 133 | C8H7NO    | 000095-21-6  | 9    |
| 5    |    | Difluoro(methylamino)phosphine s... | 131 | CH4F2NPS  | 1000306-16-8 | 9    |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                  |      |         |       |          | #                     | RT   | Resp    | Conc |
| unknown-01       | 5.95 | 3.3     | ug/L  | 108742   | 1                     | 5.66 | 1647670 | 50.0 |