

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092021\  
 Data File : VV022230.D  
 Acq On : 20 Sep 2021 14:16  
 Operator : SY/MD  
 Sample : M3778-08 50X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E4590

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\SFAMVLM082721WMA.M

Title : VOC Analysis

Signal : TIC: VV022230.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         | 1.304       | 75            | 82          | 98           | rBV      | 163084         | 171236        | 15.05%          | 1.992%        |
| 2         | 1.564       | 156           | 163         | 173          | rBV      | 138550         | 156790        | 13.78%          | 1.824%        |
| 3         | 2.105       | 322           | 331         | 351          | rVB      | 286131         | 408949        | 35.94%          | 4.758%        |
| 4         | 2.507       | 447           | 456         | 468          | rBV2     | 7293           | 11850         | 1.04%           | 0.138%        |
| 5         | 2.597       | 482           | 484         | 487          | rBV2     | 235            | 128           | 0.01%           | 0.001%        |
| 6         | 2.671       | 503           | 507         | 510          | rBV2     | 314            | 280           | 0.02%           | 0.003%        |
| 7         | 2.783       | 540           | 542         | 546          | rVB      | 407            | 217           | 0.02%           | 0.003%        |
| 8         | 2.818       | 551           | 553         | 557          | rBV      | 299            | 255           | 0.02%           | 0.003%        |
| 9         | 2.889       | 572           | 575         | 578          | rVB2     | 292            | 199           | 0.02%           | 0.002%        |
| 10        | 3.021       | 611           | 616         | 619          | rBV3     | 492            | 379           | 0.03%           | 0.004%        |
| 11        | 3.134       | 648           | 651         | 652          | rBV      | 191            | 127           | 0.01%           | 0.001%        |
| 12        | 3.220       | 676           | 678         | 682          | rBV2     | 190            | 136           | 0.01%           | 0.002%        |
| 13        | 3.275       | 692           | 695         | 697          | rVB2     | 198            | 116           | 0.01%           | 0.001%        |
| 14        | 3.310       | 701           | 706         | 709          | rVV      | 258            | 194           | 0.02%           | 0.002%        |
| 15        | 3.487       | 757           | 761         | 765          | rVV      | 240            | 194           | 0.02%           | 0.002%        |
| 16        | 3.587       | 787           | 792         | 794          | rBV3     | 322            | 248           | 0.02%           | 0.003%        |
| 17        | 3.651       | 809           | 812         | 816          | rBV      | 205            | 152           | 0.01%           | 0.002%        |
| 18        | 3.744       | 836           | 841         | 846          | rVB2     | 418            | 293           | 0.03%           | 0.003%        |
| 19        | 3.802       | 855           | 859         | 862          | rBV2     | 348            | 221           | 0.02%           | 0.003%        |
| 20        | 3.899       | 878           | 889         | 928          | rBV2     | 77811          | 265922        | 23.37%          | 3.094%        |
| 21        | 4.352       | 1014          | 1030        | 1065         | rBV      | 178284         | 444623        | 39.08%          | 5.173%        |
| 22        | 4.597       | 1103          | 1106        | 1107         | rBV      | 320            | 144           | 0.01%           | 0.002%        |
| 23        | 4.638       | 1116          | 1119        | 1120         | rBV      | 282            | 166           | 0.01%           | 0.002%        |
| 24        | 4.715       | 1140          | 1143        | 1145         | rBV2     | 240            | 209           | 0.02%           | 0.002%        |
| 25        | 4.812       | 1171          | 1173        | 1176         | rBV2     | 172            | 137           | 0.01%           | 0.002%        |
| 26        | 4.873       | 1188          | 1192        | 1197         | rVB3     | 463            | 262           | 0.02%           | 0.003%        |
| 27        | 4.899       | 1198          | 1200        | 1202         | rBV2     | 237            | 121           | 0.01%           | 0.001%        |
| 28        | 5.050       | 1229          | 1247        | 1274         | rBV2     | 447977         | 1137866       | 100.00%         | 13.237%       |
| 29        | 5.375       | 1346          | 1348        | 1351         | rVB      | 237            | 124           | 0.01%           | 0.001%        |
| 30        | 5.394       | 1351          | 1354        | 1355         | rBV      | 255            | 179           | 0.02%           | 0.002%        |
| 31        | 5.455       | 1371          | 1373        | 1374         | rBV      | 283            | 124           | 0.01%           | 0.001%        |
| 32        | 5.532       | 1395          | 1397        | 1401         | rVB2     | 390            | 200           | 0.02%           | 0.002%        |
| 33        | 5.561       | 1403          | 1406        | 1407         | rBV      | 259            | 145           | 0.01%           | 0.002%        |
| 34        | 5.619       | 1411          | 1424        | 1457         | rBV      | 350924         | 714762        | 62.82%          | 8.315%        |
| 35        | 5.905       | 1503          | 1513        | 1533         | rBV      | 27512          | 59464         | 5.23%           | 0.692%        |
| 36        | 6.072       | 1551          | 1565        | 1588         | rBV      | 248615         | 510522        | 44.87%          | 5.939%        |

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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\SFAMVLM082721WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 37 | 6.317  | 1639 | 1641 | 1644 | rVB2 | 223    | 130    | 0.01%  | 0.002%  |
| 38 | 6.352  | 1650 | 1652 | 1656 | rBV2 | 182    | 127    | 0.01%  | 0.001%  |
| 39 | 6.429  | 1674 | 1676 | 1683 | rVB2 | 181    | 152    | 0.01%  | 0.002%  |
| 40 | 6.516  | 1701 | 1703 | 1707 | rVB  | 377    | 229    | 0.02%  | 0.003%  |
| 41 | 6.773  | 1781 | 1783 | 1786 | rVV  | 261    | 158    | 0.01%  | 0.002%  |
| 42 | 6.793  | 1787 | 1789 | 1793 | rVB2 | 231    | 178    | 0.02%  | 0.002%  |
| 43 | 6.854  | 1805 | 1808 | 1810 | rBV2 | 196    | 137    | 0.01%  | 0.002%  |
| 44 | 6.870  | 1810 | 1813 | 1814 | rBV  | 309    | 135    | 0.01%  | 0.002%  |
| 45 | 6.934  | 1830 | 1833 | 1835 | rVB2 | 294    | 144    | 0.01%  | 0.002%  |
| 46 | 6.950  | 1835 | 1838 | 1839 | rBV  | 356    | 183    | 0.02%  | 0.002%  |
| 47 | 6.989  | 1839 | 1850 | 1883 | rVV  | 127619 | 238332 | 20.95% | 2.773%  |
| 48 | 7.140  | 1895 | 1897 | 1898 | rBV  | 429    | 185    | 0.02%  | 0.002%  |
| 49 | 7.207  | 1915 | 1918 | 1922 | rBV2 | 581    | 452    | 0.04%  | 0.005%  |
| 50 | 7.317  | 1941 | 1952 | 1971 | rBV  | 523051 | 905106 | 79.54% | 10.530% |
| 51 | 7.625  | 2037 | 2048 | 2075 | rBV  | 87520  | 157392 | 13.83% | 1.831%  |
| 52 | 7.844  | 2113 | 2116 | 2119 | rVB3 | 370    | 222    | 0.02%  | 0.003%  |
| 53 | 7.950  | 2147 | 2149 | 2151 | rBV  | 301    | 168    | 0.01%  | 0.002%  |
| 54 | 7.982  | 2157 | 2159 | 2163 | rVB3 | 554    | 326    | 0.03%  | 0.004%  |
| 55 | 8.092  | 2182 | 2193 | 2230 | rBV2 | 275819 | 560596 | 49.27% | 6.522%  |
| 56 | 8.461  | 2305 | 2308 | 2309 | rBV  | 346    | 188    | 0.02%  | 0.002%  |
| 57 | 8.609  | 2350 | 2354 | 2357 | rBV2 | 215    | 188    | 0.02%  | 0.002%  |
| 58 | 8.764  | 2400 | 2402 | 2405 | rVB  | 413    | 152    | 0.01%  | 0.002%  |
| 59 | 8.799  | 2411 | 2413 | 2416 | rBV  | 292    | 174    | 0.02%  | 0.002%  |
| 60 | 8.854  | 2418 | 2430 | 2459 | rBV  | 525496 | 858211 | 75.42% | 9.984%  |
| 61 | 9.075  | 2497 | 2499 | 2502 | rBV2 | 497    | 313    | 0.03%  | 0.004%  |
| 62 | 9.127  | 2513 | 2515 | 2517 | rBV  | 254    | 120    | 0.01%  | 0.001%  |
| 63 | 9.140  | 2517 | 2519 | 2520 | rBV  | 359    | 143    | 0.01%  | 0.002%  |
| 64 | 9.198  | 2535 | 2537 | 2540 | rBV2 | 255    | 147    | 0.01%  | 0.002%  |
| 65 | 9.336  | 2575 | 2580 | 2582 | rBV2 | 182    | 189    | 0.02%  | 0.002%  |
| 66 | 9.371  | 2586 | 2591 | 2594 | rBV2 | 247    | 241    | 0.02%  | 0.003%  |
| 67 | 9.574  | 2651 | 2654 | 2656 | rBV2 | 305    | 218    | 0.02%  | 0.003%  |
| 68 | 9.686  | 2687 | 2689 | 2697 | rVB2 | 228    | 200    | 0.02%  | 0.002%  |
| 69 | 9.770  | 2712 | 2715 | 2716 | rBV2 | 249    | 116    | 0.01%  | 0.001%  |
| 70 | 9.792  | 2720 | 2722 | 2727 | rVB2 | 216    | 125    | 0.01%  | 0.001%  |
| 71 | 9.863  | 2739 | 2744 | 2748 | rBV2 | 317    | 372    | 0.03%  | 0.004%  |
| 72 | 9.905  | 2755 | 2757 | 2761 | rBV2 | 232    | 135    | 0.01%  | 0.002%  |
| 73 | 10.040 | 2796 | 2799 | 2801 | rBV  | 286    | 136    | 0.01%  | 0.002%  |
| 74 | 10.066 | 2805 | 2807 | 2809 | rBV  | 289    | 120    | 0.01%  | 0.001%  |
| 75 | 10.130 | 2817 | 2827 | 2835 | rBV4 | 1894   | 3338   | 0.29%  | 0.039%  |
| 76 | 10.217 | 2842 | 2854 | 2873 | rBV  | 303900 | 487227 | 42.82% | 5.668%  |

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Integration Parameters: LSCINT.P

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Min Area: 0 % of largest Peak

Start Thrs: 0.2

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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\SFAMVLM082721WMA.M

Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 10.374 | 2900 | 2903 | 2908 | rBV3 | 507    | 373    | 0.03%  | 0.004% |
| 78  | 10.519 | 2944 | 2948 | 2951 | rBV2 | 433    | 254    | 0.02%  | 0.003% |
| 79  | 10.590 | 2968 | 2970 | 2972 | rBV2 | 382    | 201    | 0.02%  | 0.002% |
| 80  | 10.619 | 2977 | 2979 | 2983 | rBV  | 291    | 169    | 0.01%  | 0.002% |
| 81  | 10.715 | 3007 | 3009 | 3010 | rBV  | 269    | 132    | 0.01%  | 0.002% |
| 82  | 10.844 | 3044 | 3049 | 3051 | rBV2 | 209    | 240    | 0.02%  | 0.003% |
| 83  | 10.918 | 3066 | 3072 | 3073 | rBV5 | 1543   | 1313   | 0.12%  | 0.015% |
| 84  | 11.034 | 3106 | 3108 | 3110 | rBV  | 343    | 147    | 0.01%  | 0.002% |
| 85  | 11.146 | 3139 | 3143 | 3155 | rVB5 | 1062   | 1562   | 0.14%  | 0.018% |
| 86  | 11.201 | 3156 | 3160 | 3164 | rBV2 | 322    | 253    | 0.02%  | 0.003% |
| 87  | 11.252 | 3164 | 3176 | 3195 | rBV  | 474305 | 740938 | 65.12% | 8.620% |
| 88  | 11.535 | 3260 | 3264 | 3265 | rBV2 | 690    | 420    | 0.04%  | 0.005% |
| 89  | 11.625 | 3281 | 3292 | 3318 | rBV  | 468589 | 743502 | 65.34% | 8.650% |
| 90  | 11.780 | 3338 | 3340 | 3346 | rVB4 | 979    | 809    | 0.07%  | 0.009% |
| 91  | 11.911 | 3379 | 3381 | 3384 | rBV2 | 386    | 217    | 0.02%  | 0.003% |
| 92  | 11.972 | 3399 | 3400 | 3404 | rVB2 | 311    | 144    | 0.01%  | 0.002% |
| 93  | 12.265 | 3486 | 3491 | 3494 | rBV3 | 353    | 329    | 0.03%  | 0.004% |
| 94  | 12.384 | 3523 | 3528 | 3529 | rBV  | 270    | 201    | 0.02%  | 0.002% |
| 95  | 12.731 | 3633 | 3636 | 3637 | rBV  | 237    | 120    | 0.01%  | 0.001% |
| 96  | 12.799 | 3653 | 3657 | 3659 | rBV2 | 339    | 266    | 0.02%  | 0.003% |
| 97  | 13.014 | 3720 | 3724 | 3727 | rBV3 | 462    | 327    | 0.03%  | 0.004% |
| 98  | 13.400 | 3842 | 3844 | 3848 | rVV  | 424    | 229    | 0.02%  | 0.003% |
| 99  | 13.760 | 3954 | 3956 | 3960 | rBV2 | 306    | 158    | 0.01%  | 0.002% |
| 100 | 14.066 | 4049 | 4051 | 4052 | rBV  | 463    | 212    | 0.02%  | 0.002% |

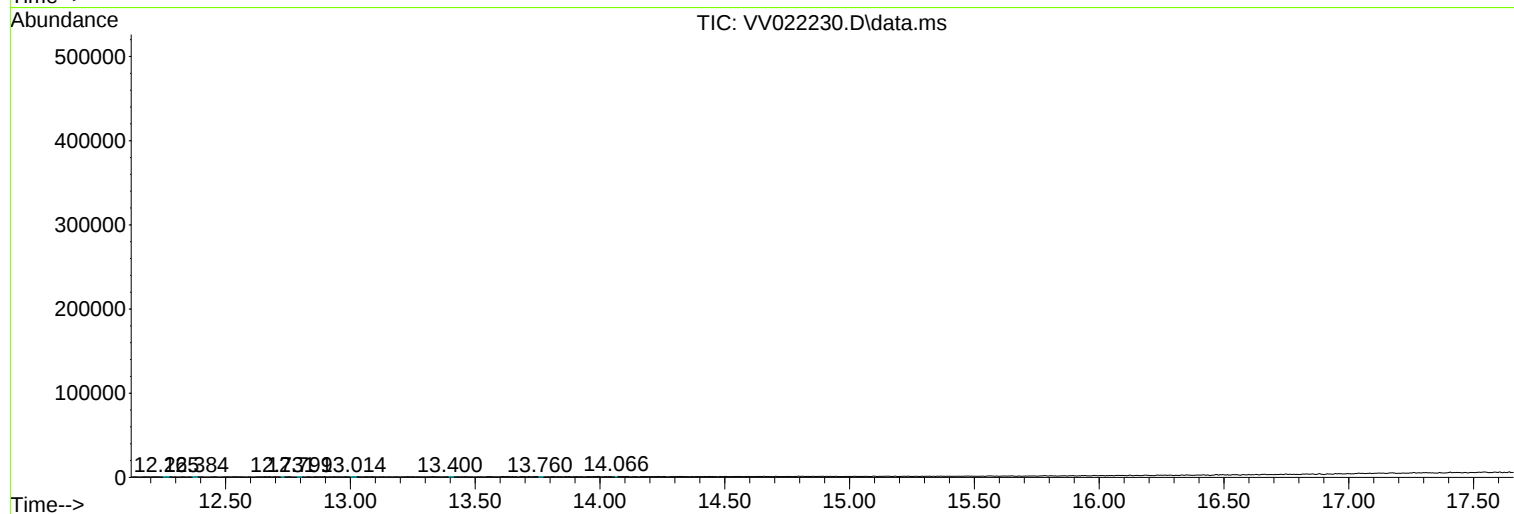
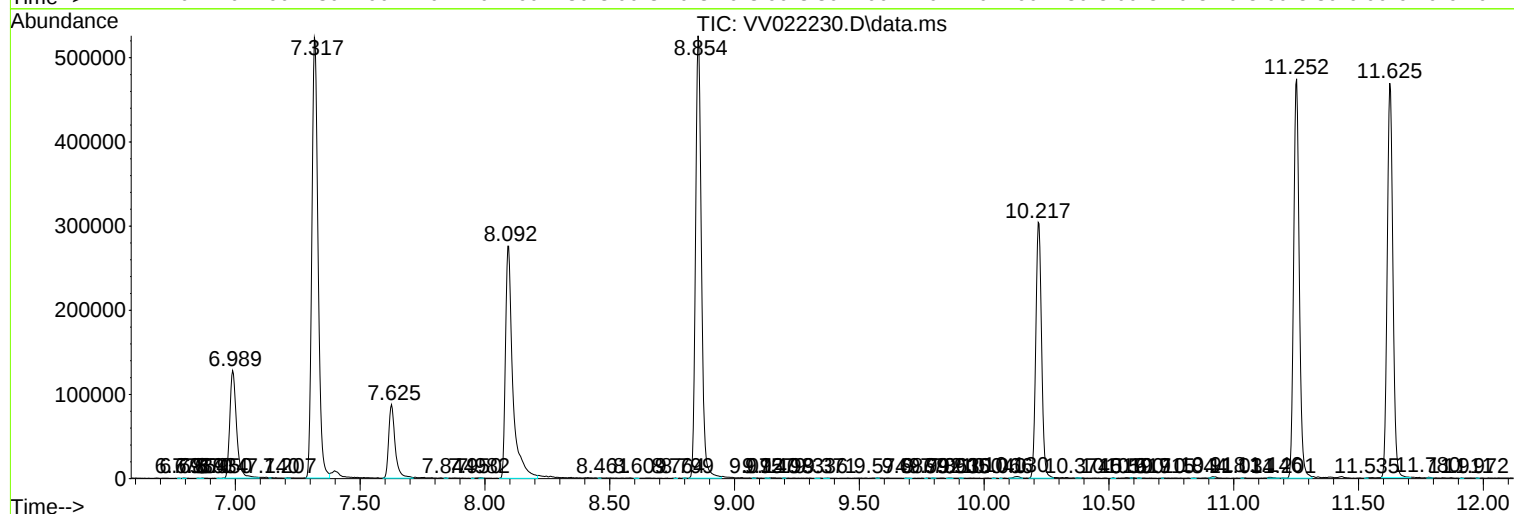
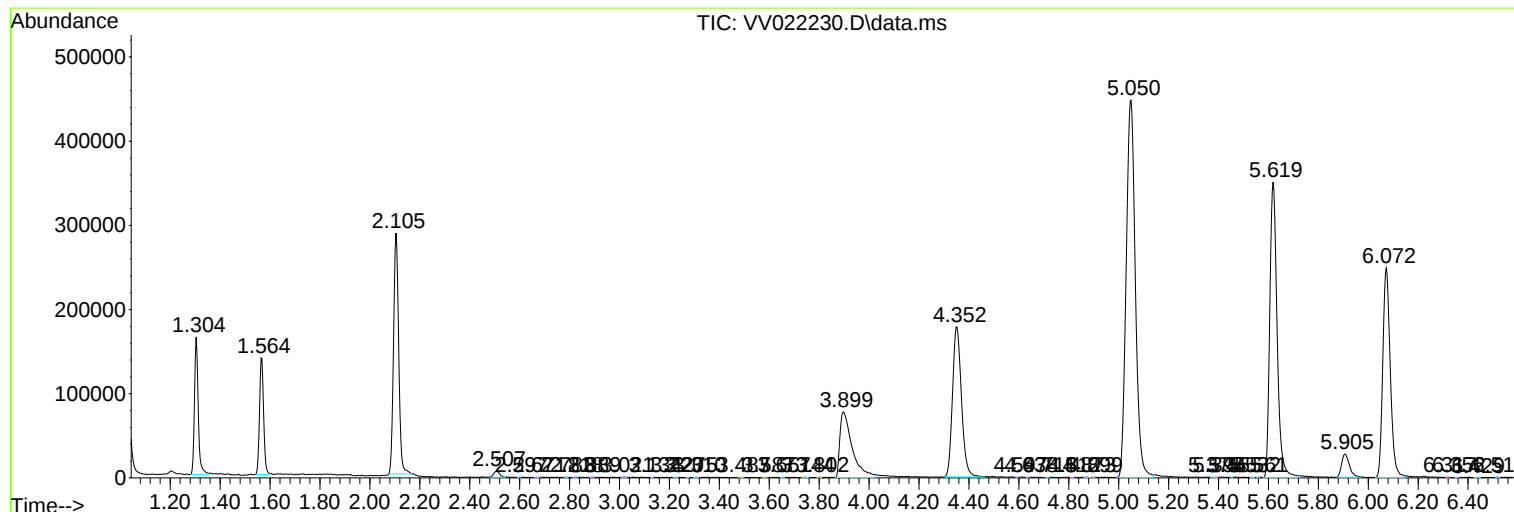
Sum of corrected areas: 8595855

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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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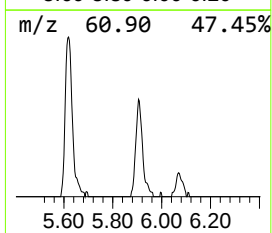
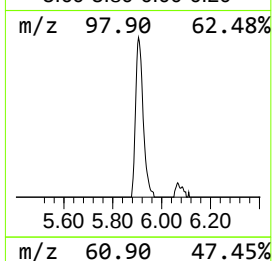
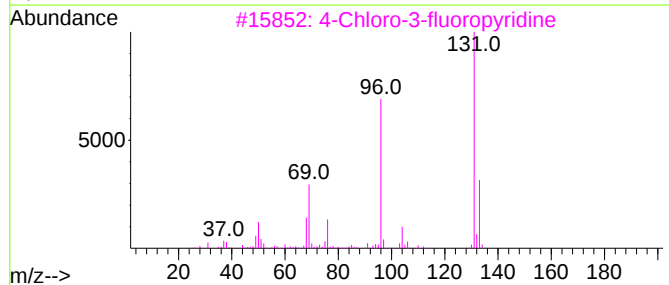
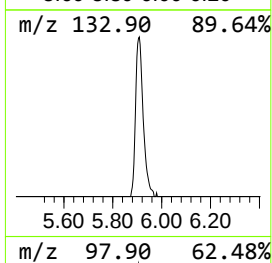
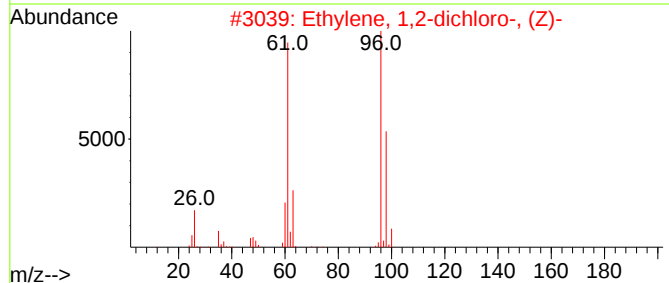
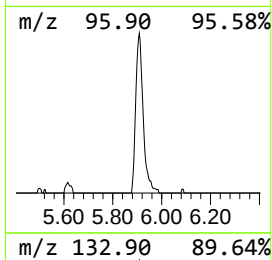
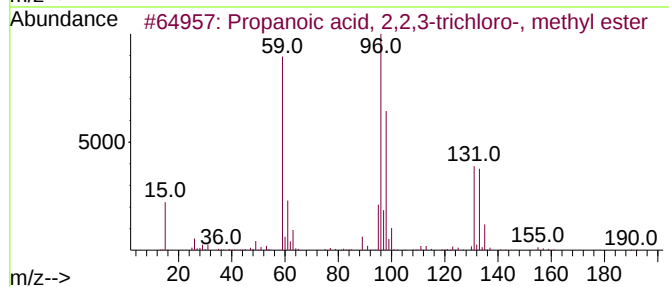
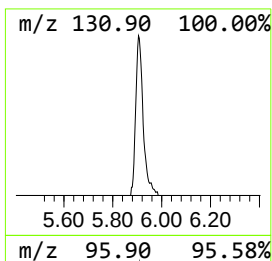
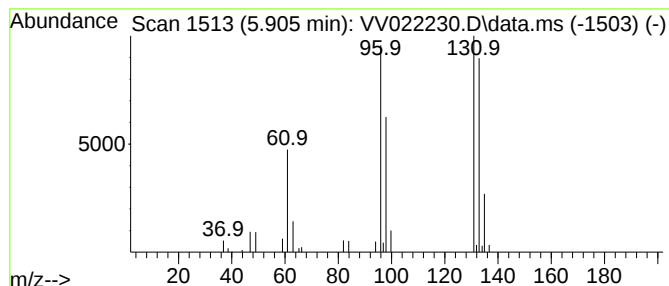
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.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.  |
|-------|-----------|-------|---------------------|-------|
| 5.905 | 4.16 ug/L | 59464 | 1,4-Difluorobenzene | 5.619 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3 | 50   |
| 2    |    |   | Ethylene, 1,2-dichloro-, (Z)-       | 96  | C2H2Cl2   | 000156-59-2 | 35   |
| 3    |    |   | 4-Chloro-3-fluoropyridine           | 131 | C5H3ClFN  | 002546-56-7 | 32   |
| 4    |    |   | Dihydro-4,5-dichloro-2(3H)furanone  | 154 | C4H4Cl2O2 | 114434-99-0 | 25   |
| 5    |    |   | Ethane, 1,1,1,2-tetrachloro-        | 166 | C2H2Cl4   | 000630-20-6 | 23   |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                    |       |         |       |          | #                     | RT    | Resp   | Conc |
| Propanoic acid,... | 5.905 | 4.2     | ug/L  | 59464    | 1                     | 5.619 | 714762 | 50.0 |