

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV031022\  
 Data File : VV024914.D  
 Acq On : 10 Mar 2022 14:33  
 Operator : SY/MD  
 Sample : N1855-15  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0D43

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\SFAMVLM022822WMA.M  
 Title : VOC Analysis

Signal : TIC: VV024914.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       | 76            | 83          | 97           | rVB      | 206754         | 203676        | 16.49%          | 2.275%        |
| 2         | 1.568       | 157           | 164         | 178          | rVB      | 153560         | 172699        | 13.98%          | 1.929%        |
| 3         | 2.063       | 315           | 318         | 321          | rBV4     | 609            | 416           | 0.03%           | 0.005%        |
| 4         | 2.108       | 321           | 332         | 357          | rBV      | 310491         | 458494        | 37.11%          | 5.122%        |
| 5         | 2.503       | 453           | 455         | 456          | rBV2     | 413            | 169           | 0.01%           | 0.002%        |
| 6         | 2.590       | 479           | 482         | 487          | rBV2     | 205            | 215           | 0.02%           | 0.002%        |
| 7         | 2.706       | 515           | 518         | 523          | rBV      | 313            | 273           | 0.02%           | 0.003%        |
| 8         | 2.847       | 555           | 562         | 567          | rBV2     | 188            | 275           | 0.02%           | 0.003%        |
| 9         | 2.995       | 604           | 608         | 611          | rBV2     | 271            | 192           | 0.02%           | 0.002%        |
| 10        | 3.027       | 615           | 618         | 623          | rVV2     | 195            | 179           | 0.01%           | 0.002%        |
| 11        | 3.163       | 656           | 660         | 665          | rVB2     | 225            | 177           | 0.01%           | 0.002%        |
| 12        | 3.214       | 674           | 676         | 682          | rVB2     | 220            | 169           | 0.01%           | 0.002%        |
| 13        | 3.326       | 706           | 711         | 715          | rBV2     | 220            | 256           | 0.02%           | 0.003%        |
| 14        | 3.429       | 737           | 743         | 748          | rBV2     | 245            | 364           | 0.03%           | 0.004%        |
| 15        | 3.471       | 753           | 756         | 760          | rBV2     | 284            | 281           | 0.02%           | 0.003%        |
| 16        | 3.789       | 851           | 855         | 859          | rBV2     | 259            | 243           | 0.02%           | 0.003%        |
| 17        | 3.896       | 877           | 888         | 939          | rBV2     | 65435          | 239330        | 19.37%          | 2.673%        |
| 18        | 4.207       | 981           | 985         | 988          | rBV3     | 372            | 323           | 0.03%           | 0.004%        |
| 19        | 4.349       | 1013          | 1029        | 1060         | rBV      | 193894         | 481873        | 39.00%          | 5.383%        |
| 20        | 4.587       | 1101          | 1103        | 1108         | rBV4     | 290            | 264           | 0.02%           | 0.003%        |
| 21        | 4.716       | 1140          | 1143        | 1146         | rVB2     | 366            | 241           | 0.02%           | 0.003%        |
| 22        | 4.847       | 1179          | 1184        | 1186         | rBV      | 191            | 179           | 0.01%           | 0.002%        |
| 23        | 4.867       | 1186          | 1190        | 1195         | rVV2     | 271            | 260           | 0.02%           | 0.003%        |
| 24        | 5.047       | 1229          | 1246        | 1285         | rBV2     | 486410         | 1235477       | 100.00%         | 13.801%       |
| 25        | 5.616       | 1411          | 1423        | 1457         | rBV      | 331171         | 664842        | 53.81%          | 7.427%        |
| 26        | 5.908       | 1502          | 1514        | 1540         | rVB2     | 33627          | 80332         | 6.50%           | 0.897%        |
| 27        | 6.069       | 1550          | 1564        | 1590         | rBV      | 269178         | 544236        | 44.05%          | 6.079%        |
| 28        | 6.265       | 1623          | 1625        | 1631         | rVB      | 250            | 184           | 0.01%           | 0.002%        |
| 29        | 6.310       | 1631          | 1639        | 1642         | rBV2     | 197            | 313           | 0.03%           | 0.003%        |
| 30        | 6.404       | 1660          | 1668        | 1672         | rBV      | 258            | 360           | 0.03%           | 0.004%        |
| 31        | 6.609       | 1729          | 1732        | 1735         | rVB2     | 300            | 184           | 0.01%           | 0.002%        |
| 32        | 6.629       | 1735          | 1738        | 1742         | rBV2     | 200            | 228           | 0.02%           | 0.003%        |
| 33        | 6.986       | 1837          | 1849        | 1871         | rBV      | 142057         | 254542        | 20.60%          | 2.843%        |
| 34        | 7.204       | 1914          | 1917        | 1920         | rBV3     | 315            | 199           | 0.02%           | 0.002%        |
| 35        | 7.313       | 1938          | 1951        | 1971         | rBV      | 570433         | 997634        | 80.75%          | 11.144%       |
| 36        | 7.622       | 2037          | 2047        | 2076         | rBV      | 92561          | 160956        | 13.03%          | 1.798%        |

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 ClientSampleId :  
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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\SFAMVLM022822WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 7.921  | 2136 | 2140 | 2141 | rBV2 | 324    | 226    | 0.02%  | 0.003% |
| 38 | 7.940  | 2143 | 2146 | 2148 | rVV2 | 290    | 216    | 0.02%  | 0.002% |
| 39 | 7.973  | 2153 | 2156 | 2159 | rVV2 | 362    | 277    | 0.02%  | 0.003% |
| 40 | 8.088  | 2182 | 2192 | 2232 | rBV  | 257776 | 508350 | 41.15% | 5.678% |
| 41 | 8.278  | 2249 | 2251 | 2253 | rBV2 | 361    | 196    | 0.02%  | 0.002% |
| 42 | 8.487  | 2314 | 2316 | 2322 | rVB2 | 326    | 180    | 0.01%  | 0.002% |
| 43 | 8.535  | 2327 | 2331 | 2333 | rBV  | 265    | 185    | 0.01%  | 0.002% |
| 44 | 8.622  | 2352 | 2358 | 2361 | rBV2 | 414    | 530    | 0.04%  | 0.006% |
| 45 | 8.764  | 2398 | 2402 | 2406 | rBV  | 287    | 258    | 0.02%  | 0.003% |
| 46 | 8.850  | 2418 | 2429 | 2461 | rBV  | 505513 | 824076 | 66.70% | 9.205% |
| 47 | 9.114  | 2509 | 2511 | 2516 | rVB  | 234    | 179    | 0.01%  | 0.002% |
| 48 | 9.137  | 2516 | 2518 | 2519 | rBV  | 586    | 261    | 0.02%  | 0.003% |
| 49 | 9.153  | 2520 | 2523 | 2525 | rBV2 | 471    | 322    | 0.03%  | 0.004% |
| 50 | 9.268  | 2555 | 2559 | 2561 | rBV  | 252    | 194    | 0.02%  | 0.002% |
| 51 | 9.313  | 2568 | 2573 | 2575 | rBV2 | 261    | 228    | 0.02%  | 0.003% |
| 52 | 9.548  | 2643 | 2646 | 2650 | rVV2 | 405    | 314    | 0.03%  | 0.004% |
| 53 | 9.619  | 2665 | 2668 | 2673 | rVB2 | 395    | 375    | 0.03%  | 0.004% |
| 54 | 9.657  | 2673 | 2680 | 2682 | rBV2 | 314    | 337    | 0.03%  | 0.004% |
| 55 | 9.818  | 2726 | 2730 | 2735 | rBV  | 227    | 220    | 0.02%  | 0.002% |
| 56 | 9.979  | 2776 | 2780 | 2783 | rVB2 | 258    | 211    | 0.02%  | 0.002% |
| 57 | 10.124 | 2816 | 2825 | 2834 | rBV3 | 3078   | 4693   | 0.38%  | 0.052% |
| 58 | 10.214 | 2840 | 2853 | 2873 | rBV  | 325921 | 509844 | 41.27% | 5.695% |
| 59 | 10.313 | 2881 | 2884 | 2889 | rBV3 | 452    | 387    | 0.03%  | 0.004% |
| 60 | 10.384 | 2901 | 2906 | 2911 | rBV3 | 708    | 734    | 0.06%  | 0.008% |
| 61 | 10.455 | 2924 | 2928 | 2931 | rVB3 | 302    | 258    | 0.02%  | 0.003% |
| 62 | 10.564 | 2958 | 2962 | 2963 | rBV2 | 504    | 333    | 0.03%  | 0.004% |
| 63 | 10.715 | 3005 | 3009 | 3012 | rBV2 | 188    | 179    | 0.01%  | 0.002% |
| 64 | 10.873 | 3055 | 3058 | 3063 | rBV  | 187    | 172    | 0.01%  | 0.002% |
| 65 | 10.915 | 3063 | 3071 | 3080 | rVV5 | 2324   | 3798   | 0.31%  | 0.042% |
| 66 | 10.995 | 3092 | 3096 | 3099 | rBV  | 246    | 230    | 0.02%  | 0.003% |
| 67 | 11.146 | 3135 | 3143 | 3149 | rBV4 | 1498   | 2142   | 0.17%  | 0.024% |
| 68 | 11.198 | 3155 | 3159 | 3163 | rVB  | 248    | 223    | 0.02%  | 0.002% |
| 69 | 11.246 | 3163 | 3174 | 3195 | rBV  | 507710 | 772314 | 62.51% | 8.627% |
| 70 | 11.381 | 3209 | 3216 | 3217 | rBV6 | 1209   | 1187   | 0.10%  | 0.013% |
| 71 | 11.429 | 3226 | 3231 | 3239 | rVB3 | 2274   | 2750   | 0.22%  | 0.031% |
| 72 | 11.481 | 3244 | 3247 | 3252 | rBV  | 306    | 290    | 0.02%  | 0.003% |
| 73 | 11.526 | 3257 | 3261 | 3263 | rBV2 | 275    | 211    | 0.02%  | 0.002% |
| 74 | 11.622 | 3279 | 3291 | 3311 | rBV  | 516786 | 806272 | 65.26% | 9.006% |
| 75 | 11.783 | 3337 | 3341 | 3347 | rVB2 | 882    | 956    | 0.08%  | 0.011% |
| 76 | 11.847 | 3354 | 3361 | 3363 | rBV3 | 594    | 557    | 0.05%  | 0.006% |

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Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0D43

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

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Min Area: 0 % of largest Peak

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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\SFAMVLM022822WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |     |     |       |        |
|-----|--------|------|------|------|------|-----|-----|-------|--------|
| 77  | 11.876 | 3366 | 3370 | 3374 | rBV2 | 182 | 216 | 0.02% | 0.002% |
| 78  | 11.924 | 3382 | 3385 | 3388 | rBV2 | 233 | 171 | 0.01% | 0.002% |
| 79  | 12.172 | 3459 | 3462 | 3466 | rVB2 | 317 | 204 | 0.02% | 0.002% |
| 80  | 12.435 | 3537 | 3544 | 3545 | rBV  | 278 | 256 | 0.02% | 0.003% |
| 81  | 12.599 | 3590 | 3595 | 3602 | rVV4 | 589 | 779 | 0.06% | 0.009% |
| 82  | 12.776 | 3646 | 3650 | 3656 | rBV2 | 330 | 353 | 0.03% | 0.004% |
| 83  | 12.857 | 3668 | 3675 | 3678 | rBV2 | 268 | 289 | 0.02% | 0.003% |
| 84  | 12.908 | 3688 | 3691 | 3694 | rBV2 | 374 | 308 | 0.02% | 0.003% |
| 85  | 13.014 | 3720 | 3724 | 3727 | rVV2 | 244 | 191 | 0.02% | 0.002% |
| 86  | 13.143 | 3759 | 3764 | 3768 | rBV2 | 304 | 317 | 0.03% | 0.004% |
| 87  | 13.477 | 3864 | 3868 | 3870 | rBV2 | 219 | 183 | 0.01% | 0.002% |
| 88  | 13.638 | 3912 | 3918 | 3923 | rVB2 | 279 | 349 | 0.03% | 0.004% |
| 89  | 13.670 | 3923 | 3928 | 3931 | rBV2 | 257 | 265 | 0.02% | 0.003% |
| 90  | 13.786 | 3961 | 3964 | 3968 | rBV2 | 193 | 185 | 0.01% | 0.002% |
| 91  | 14.030 | 4037 | 4040 | 4042 | rBV2 | 382 | 233 | 0.02% | 0.003% |
| 92  | 14.082 | 4053 | 4056 | 4059 | rVB2 | 304 | 191 | 0.02% | 0.002% |
| 93  | 14.120 | 4064 | 4068 | 4072 | rBV2 | 373 | 325 | 0.03% | 0.004% |
| 94  | 14.252 | 4106 | 4109 | 4111 | rBV2 | 275 | 191 | 0.02% | 0.002% |
| 95  | 14.496 | 4182 | 4185 | 4189 | rVB2 | 436 | 366 | 0.03% | 0.004% |
| 96  | 14.519 | 4189 | 4192 | 4199 | rBV3 | 499 | 608 | 0.05% | 0.007% |
| 97  | 14.622 | 4221 | 4224 | 4230 | rBV3 | 231 | 298 | 0.02% | 0.003% |
| 98  | 14.805 | 4276 | 4281 | 4284 | rBV3 | 500 | 577 | 0.05% | 0.006% |
| 99  | 15.011 | 4342 | 4345 | 4348 | rBV2 | 336 | 249 | 0.02% | 0.003% |
| 100 | 15.767 | 4578 | 4580 | 4585 | rBV3 | 388 | 395 | 0.03% | 0.004% |

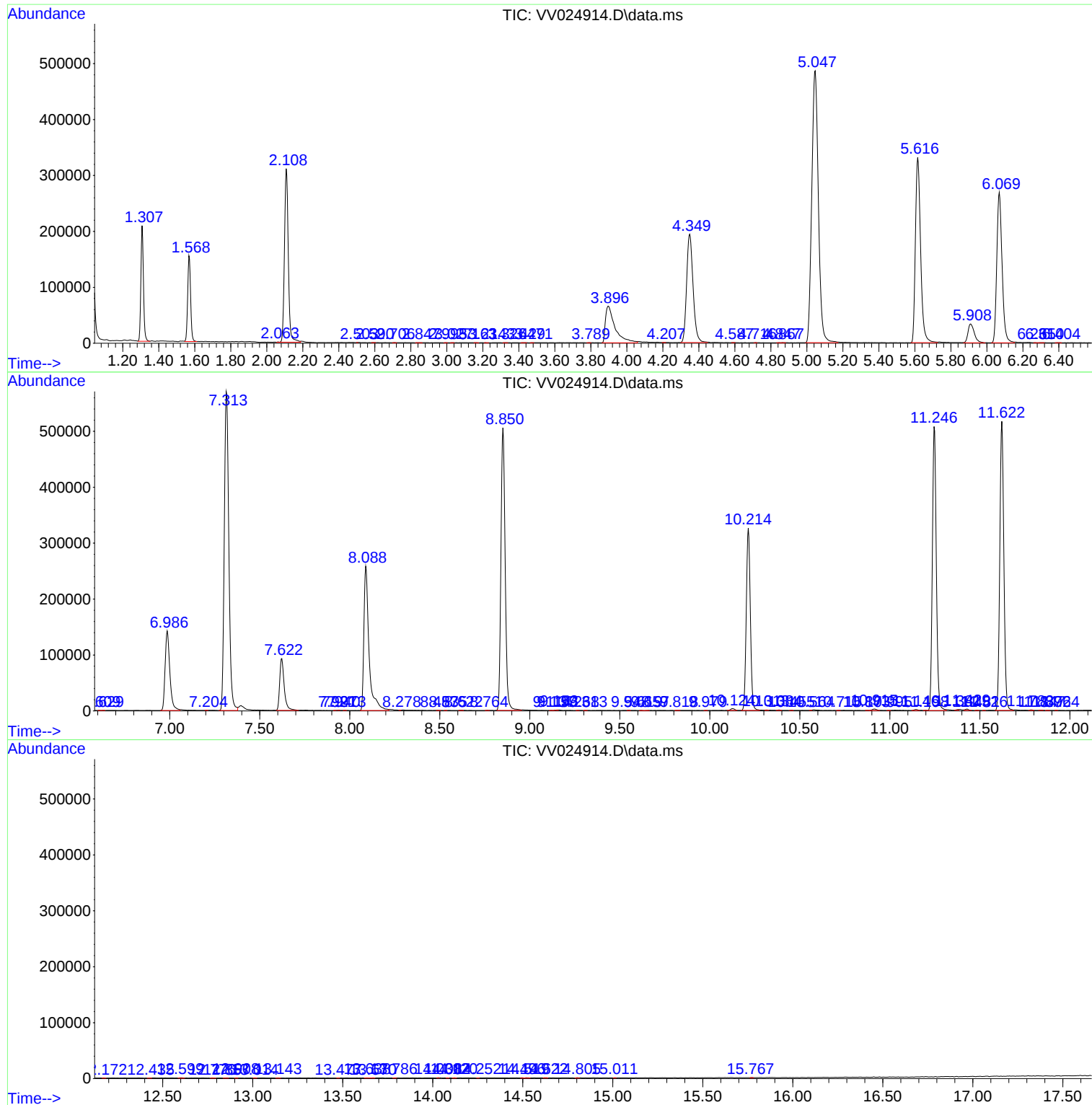
Sum of corrected areas: 8952199

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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM022822WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV031022\  
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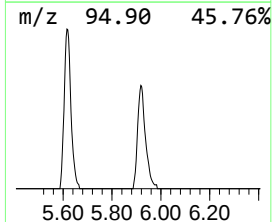
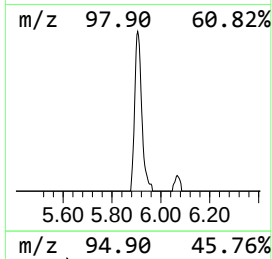
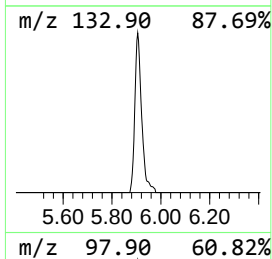
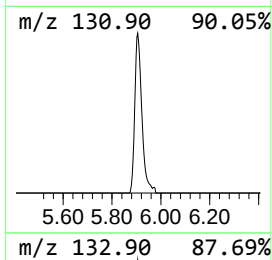
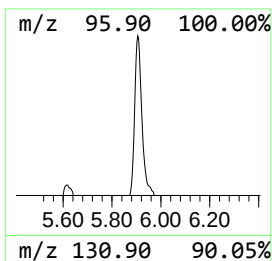
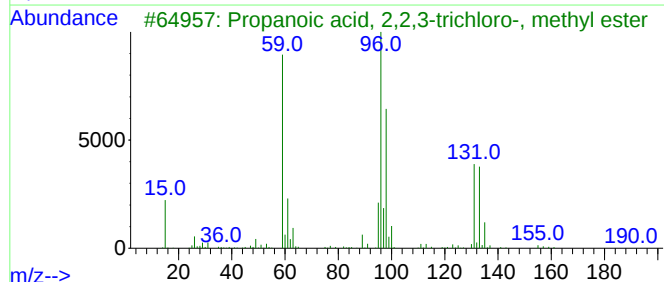
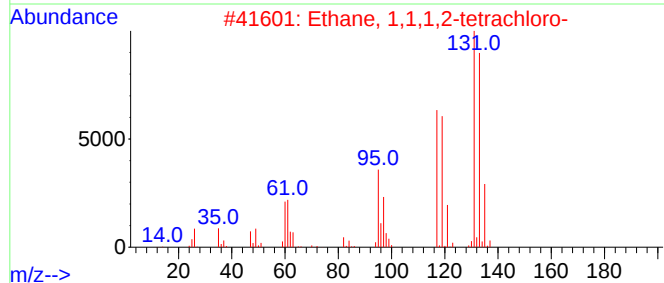
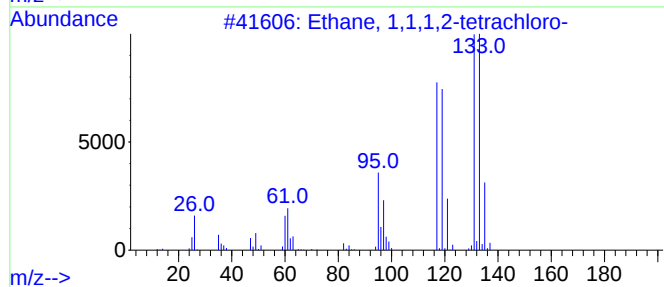
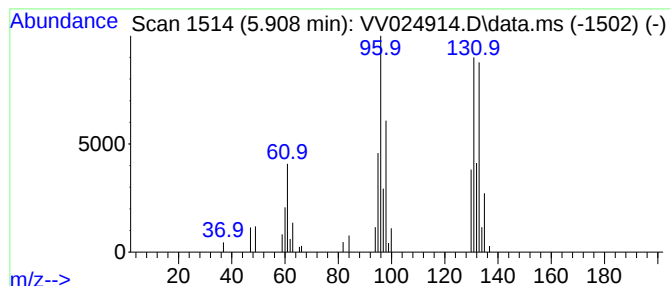
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM022822WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 1 unknown-01 Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 5.908 | 6.04 ug/L | 80332 | 1,4-Difluorobenzene | 5.616 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Ethane, 1,1,1,2-tetrachloro-        | 166 | C2H2Cl4   | 000630-20-6 | 43   |
| 2    |    |   | Ethane, 1,1,1,2-tetrachloro-        | 166 | C2H2Cl4   | 000630-20-6 | 43   |
| 3    |    |   | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3 | 40   |
| 4    |    |   | Ethane, 1,1,1,2-tetrachloro-        | 166 | C2H2Cl4   | 000630-20-6 | 35   |
| 5    |    |   | Ethylene, 1,2-dichloro-, (Z)-       | 96  | C2H2Cl2   | 000156-59-2 | 22   |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown-01       | 5.908 | 6.0     | ug/L  | 80332    | 1                     | 5.616 | 664842 | 50.0 |