

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV031422\  
 Data File : VV024984.D  
 Acq On : 14 Mar 2022 13:51  
 Operator : SY/MD  
 Sample : N1880-18  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 CODE5

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: VV024984.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         | 1.311       | 77            | 84          | 102          | rVB      | 206341         | 211801        | 15.48%          | 2.145%        |
| 2         | 1.571       | 157           | 165         | 182          | rVB      | 163373         | 185487        | 13.56%          | 1.879%        |
| 3         | 2.108       | 322           | 332         | 365          | rBV      | 324188         | 482419        | 35.26%          | 4.886%        |
| 4         | 2.285       | 384           | 387         | 394          | rVB3     | 499            | 401           | 0.03%           | 0.004%        |
| 5         | 2.388       | 416           | 419         | 422          | rBV2     | 427            | 270           | 0.02%           | 0.003%        |
| 6         | 2.491       | 449           | 451         | 452          | rBV      | 208            | 92            | 0.01%           | 0.001%        |
| 7         | 2.503       | 452           | 455         | 456          | rBV      | 697            | 386           | 0.03%           | 0.004%        |
| 8         | 2.629       | 490           | 494         | 496          | rBV      | 247            | 214           | 0.02%           | 0.002%        |
| 9         | 2.712       | 517           | 520         | 521          | rBV      | 144            | 85            | 0.01%           | 0.001%        |
| 10        | 2.886       | 571           | 574         | 576          | rBV      | 193            | 139           | 0.01%           | 0.001%        |
| 11        | 2.986       | 603           | 605         | 608          | rBV      | 142            | 87            | 0.01%           | 0.001%        |
| 12        | 3.060       | 624           | 628         | 630          | rVB2     | 171            | 125           | 0.01%           | 0.001%        |
| 13        | 3.082       | 630           | 635         | 637          | rBV2     | 254            | 235           | 0.02%           | 0.002%        |
| 14        | 3.146       | 652           | 655         | 659          | rBV2     | 261            | 244           | 0.02%           | 0.002%        |
| 15        | 3.269       | 689           | 693         | 697          | rBV2     | 254            | 230           | 0.02%           | 0.002%        |
| 16        | 3.343       | 713           | 716         | 720          | rVB      | 143            | 86            | 0.01%           | 0.001%        |
| 17        | 3.372       | 720           | 725         | 729          | rBV2     | 339            | 336           | 0.02%           | 0.003%        |
| 18        | 3.481       | 755           | 759         | 765          | rBV2     | 235            | 243           | 0.02%           | 0.002%        |
| 19        | 3.619       | 797           | 802         | 806          | rBV2     | 279            | 281           | 0.02%           | 0.003%        |
| 20        | 3.674       | 816           | 819         | 825          | rVB2     | 246            | 240           | 0.02%           | 0.002%        |
| 21        | 3.719       | 825           | 833         | 837          | rBV      | 345            | 454           | 0.03%           | 0.005%        |
| 22        | 3.793       | 853           | 856         | 860          | rBV2     | 124            | 100           | 0.01%           | 0.001%        |
| 23        | 3.835       | 867           | 869         | 872          | rBV      | 166            | 91            | 0.01%           | 0.001%        |
| 24        | 3.896       | 877           | 888         | 929          | rBV      | 76950          | 271991        | 19.88%          | 2.755%        |
| 25        | 4.349       | 1014          | 1029        | 1058         | rBV      | 217328         | 537189        | 39.26%          | 5.441%        |
| 26        | 4.555       | 1091          | 1093        | 1099         | rVB2     | 393            | 313           | 0.02%           | 0.003%        |
| 27        | 4.600       | 1104          | 1107        | 1113         | rBV2     | 322            | 339           | 0.02%           | 0.003%        |
| 28        | 4.690       | 1131          | 1135        | 1139         | rBV      | 210            | 206           | 0.02%           | 0.002%        |
| 29        | 4.757       | 1153          | 1156        | 1158         | rBV2     | 236            | 138           | 0.01%           | 0.001%        |
| 30        | 4.812       | 1169          | 1173        | 1175         | rBV2     | 119            | 84            | 0.01%           | 0.001%        |
| 31        | 4.863       | 1184          | 1189        | 1190         | rBV2     | 186            | 122           | 0.01%           | 0.001%        |
| 32        | 4.899       | 1195          | 1200        | 1209         | rBV2     | 285            | 457           | 0.03%           | 0.005%        |
| 33        | 4.937       | 1209          | 1212        | 1216         | rBV2     | 191            | 168           | 0.01%           | 0.002%        |
| 34        | 5.047       | 1229          | 1246        | 1276         | rBV2     | 538182         | 1368255       | 100.00%         | 13.857%       |
| 35        | 5.442       | 1366          | 1369        | 1372         | rBV      | 172            | 113           | 0.01%           | 0.001%        |
| 36        | 5.474       | 1375          | 1379        | 1381         | rBV      | 193            | 127           | 0.01%           | 0.001%        |

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Integrator: RTE

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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\SFAMVLM022822WMA.M  
 Title : VOC Analysis

|    |       |      |      |      |      |        |         |        |         |
|----|-------|------|------|------|------|--------|---------|--------|---------|
| 37 | 5.494 | 1382 | 1385 | 1394 | rVB2 | 373    | 516     | 0.04%  | 0.005%  |
| 38 | 5.542 | 1397 | 1400 | 1404 | rBV2 | 148    | 141     | 0.01%  | 0.001%  |
| 39 | 5.616 | 1411 | 1423 | 1455 | rBV  | 354800 | 713872  | 52.17% | 7.230%  |
| 40 | 5.908 | 1502 | 1514 | 1539 | rVB4 | 26839  | 58181   | 4.25%  | 0.589%  |
| 41 | 6.005 | 1541 | 1544 | 1547 | rVB2 | 286    | 185     | 0.01%  | 0.002%  |
| 42 | 6.024 | 1547 | 1550 | 1551 | rBV  | 148    | 84      | 0.01%  | 0.001%  |
| 43 | 6.069 | 1551 | 1564 | 1589 | rBV  | 302915 | 610281  | 44.60% | 6.181%  |
| 44 | 6.278 | 1627 | 1629 | 1632 | rBV2 | 226    | 138     | 0.01%  | 0.001%  |
| 45 | 6.378 | 1658 | 1660 | 1662 | rBV2 | 194    | 85      | 0.01%  | 0.001%  |
| 46 | 6.416 | 1669 | 1672 | 1674 | rBV  | 132    | 92      | 0.01%  | 0.001%  |
| 47 | 6.455 | 1682 | 1684 | 1686 | rBV  | 134    | 79      | 0.01%  | 0.001%  |
| 48 | 6.548 | 1711 | 1713 | 1715 | rVB  | 292    | 106     | 0.01%  | 0.001%  |
| 49 | 6.564 | 1715 | 1718 | 1722 | rBV2 | 133    | 127     | 0.01%  | 0.001%  |
| 50 | 6.642 | 1737 | 1742 | 1745 | rBV4 | 501    | 535     | 0.04%  | 0.005%  |
| 51 | 6.789 | 1783 | 1788 | 1793 | rBV2 | 242    | 299     | 0.02%  | 0.003%  |
| 52 | 6.896 | 1818 | 1821 | 1824 | rBV2 | 135    | 110     | 0.01%  | 0.001%  |
| 53 | 6.986 | 1838 | 1849 | 1874 | rBV  | 161723 | 291463  | 21.30% | 2.952%  |
| 54 | 7.150 | 1897 | 1900 | 1904 | rBV2 | 230    | 201     | 0.01%  | 0.002%  |
| 55 | 7.169 | 1904 | 1906 | 1907 | rBV  | 223    | 75      | 0.01%  | 0.001%  |
| 56 | 7.236 | 1924 | 1927 | 1928 | rBV  | 181    | 88      | 0.01%  | 0.001%  |
| 57 | 7.314 | 1939 | 1951 | 1970 | rBV  | 630396 | 1093430 | 79.91% | 11.074% |
| 58 | 7.619 | 2036 | 2046 | 2074 | rBV  | 105946 | 189360  | 13.84% | 1.918%  |
| 59 | 7.757 | 2087 | 2089 | 2090 | rBV  | 257    | 94      | 0.01%  | 0.001%  |
| 60 | 7.857 | 2116 | 2120 | 2121 | rBV  | 210    | 141     | 0.01%  | 0.001%  |
| 61 | 7.931 | 2140 | 2143 | 2145 | rBV2 | 252    | 174     | 0.01%  | 0.002%  |
| 62 | 7.969 | 2151 | 2155 | 2157 | rBV2 | 133    | 99      | 0.01%  | 0.001%  |
| 63 | 8.021 | 2166 | 2171 | 2174 | rBV2 | 195    | 214     | 0.02%  | 0.002%  |
| 64 | 8.088 | 2178 | 2192 | 2237 | rBV  | 303130 | 599253  | 43.80% | 6.069%  |
| 65 | 8.442 | 2300 | 2302 | 2306 | rVB2 | 153    | 110     | 0.01%  | 0.001%  |
| 66 | 8.490 | 2314 | 2317 | 2319 | rBV2 | 295    | 188     | 0.01%  | 0.002%  |
| 67 | 8.519 | 2324 | 2326 | 2330 | rVB  | 264    | 144     | 0.01%  | 0.001%  |
| 68 | 8.574 | 2341 | 2343 | 2345 | rVB  | 224    | 93      | 0.01%  | 0.001%  |
| 69 | 8.603 | 2345 | 2352 | 2353 | rBV2 | 340    | 289     | 0.02%  | 0.003%  |
| 70 | 8.680 | 2372 | 2376 | 2380 | rBV2 | 206    | 218     | 0.02%  | 0.002%  |
| 71 | 8.850 | 2417 | 2429 | 2456 | rBV  | 556031 | 888075  | 64.91% | 8.994%  |
| 72 | 9.024 | 2480 | 2483 | 2485 | rBV  | 275    | 168     | 0.01%  | 0.002%  |
| 73 | 9.072 | 2494 | 2498 | 2501 | rBV  | 187    | 151     | 0.01%  | 0.002%  |
| 74 | 9.114 | 2508 | 2511 | 2513 | rBV2 | 418    | 259     | 0.02%  | 0.003%  |
| 75 | 9.149 | 2518 | 2522 | 2528 | rVV3 | 550    | 644     | 0.05%  | 0.007%  |
| 76 | 9.227 | 2543 | 2546 | 2552 | rVB  | 298    | 165     | 0.01%  | 0.002%  |

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Integrator: RTE

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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\SFAMVLM022822WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 9.320  | 2570 | 2575 | 2578 | rBV2 | 284    | 275    | 0.02%  | 0.003% |
| 78  | 9.497  | 2627 | 2630 | 2632 | rBV  | 218    | 146    | 0.01%  | 0.001% |
| 79  | 9.561  | 2647 | 2650 | 2653 | rBV  | 213    | 144    | 0.01%  | 0.001% |
| 80  | 9.809  | 2723 | 2727 | 2728 | rBV  | 211    | 139    | 0.01%  | 0.001% |
| 81  | 9.860  | 2740 | 2743 | 2745 | rBV  | 201    | 131    | 0.01%  | 0.001% |
| 82  | 9.899  | 2752 | 2755 | 2756 | rBV  | 140    | 81     | 0.01%  | 0.001% |
| 83  | 9.992  | 2782 | 2784 | 2786 | rBV  | 194    | 114    | 0.01%  | 0.001% |
| 84  | 10.034 | 2795 | 2797 | 2798 | rBV  | 175    | 83     | 0.01%  | 0.001% |
| 85  | 10.127 | 2818 | 2826 | 2835 | rVB4 | 2505   | 3825   | 0.28%  | 0.039% |
| 86  | 10.214 | 2841 | 2853 | 2879 | rBV  | 383415 | 596689 | 43.61% | 6.043% |
| 87  | 10.381 | 2899 | 2905 | 2910 | rVB3 | 580    | 676    | 0.05%  | 0.007% |
| 88  | 10.468 | 2929 | 2932 | 2935 | rVB  | 275    | 157    | 0.01%  | 0.002% |
| 89  | 10.706 | 3003 | 3006 | 3008 | rBV2 | 241    | 170    | 0.01%  | 0.002% |
| 90  | 10.911 | 3064 | 3070 | 3078 | rBV4 | 1924   | 2860   | 0.21%  | 0.029% |
| 91  | 11.005 | 3096 | 3099 | 3102 | rBV2 | 176    | 104    | 0.01%  | 0.001% |
| 92  | 11.069 | 3116 | 3119 | 3123 | rBV2 | 147    | 142    | 0.01%  | 0.001% |
| 93  | 11.117 | 3131 | 3134 | 3135 | rBV  | 247    | 138    | 0.01%  | 0.001% |
| 94  | 11.146 | 3138 | 3143 | 3148 | rVB3 | 1293   | 1415   | 0.10%  | 0.014% |
| 95  | 11.246 | 3163 | 3174 | 3196 | rBV  | 555223 | 840955 | 61.46% | 8.517% |
| 96  | 11.426 | 3225 | 3230 | 3239 | rVB5 | 1666   | 1978   | 0.14%  | 0.020% |
| 97  | 11.622 | 3279 | 3291 | 3317 | rBV  | 586509 | 909284 | 66.46% | 9.209% |
| 98  | 12.149 | 3450 | 3455 | 3459 | rBV2 | 384    | 404    | 0.03%  | 0.004% |
| 99  | 12.188 | 3464 | 3467 | 3469 | rBV  | 221    | 170    | 0.01%  | 0.002% |
| 100 | 12.471 | 3552 | 3555 | 3558 | rBV2 | 337    | 231    | 0.02%  | 0.002% |

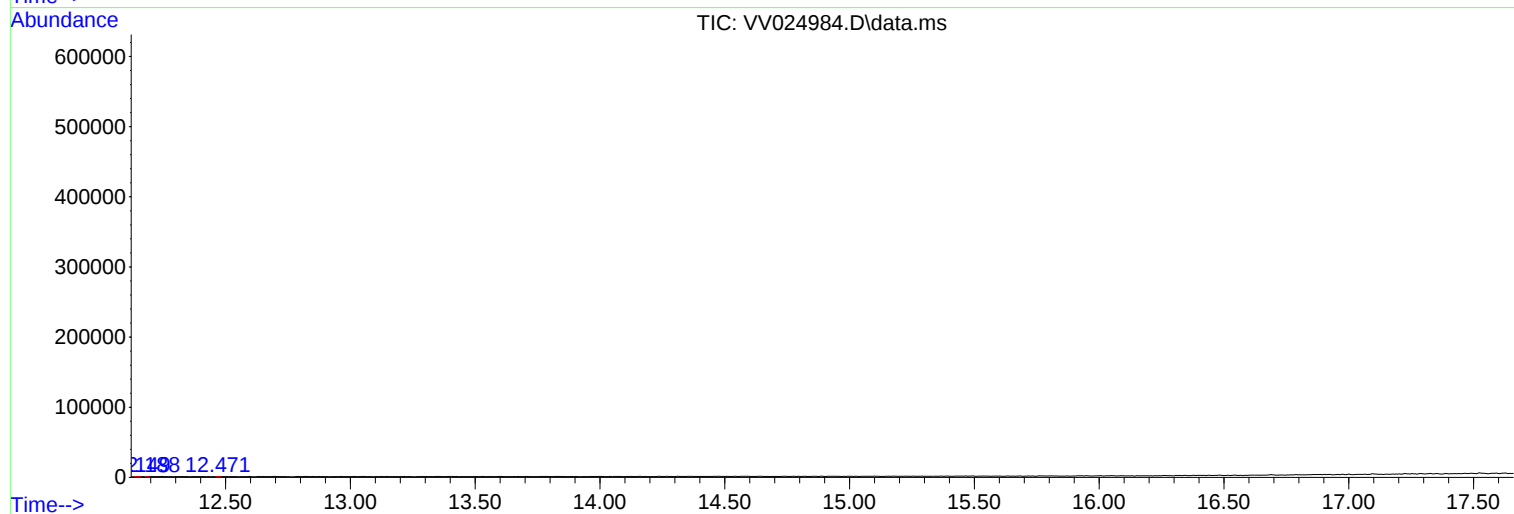
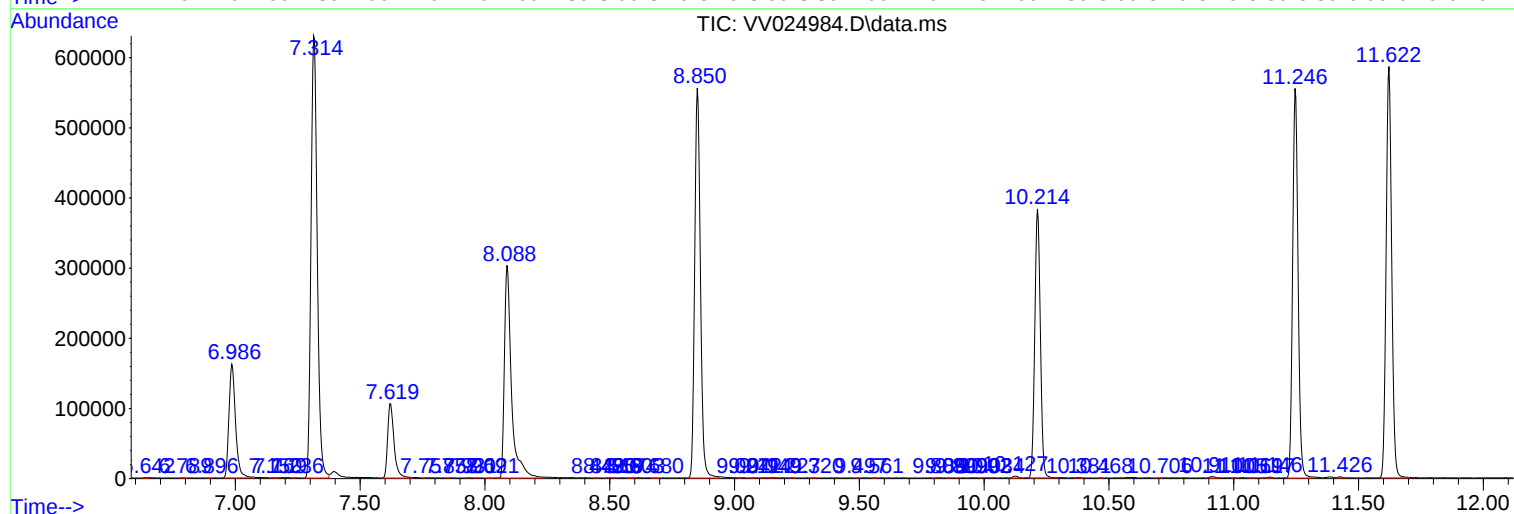
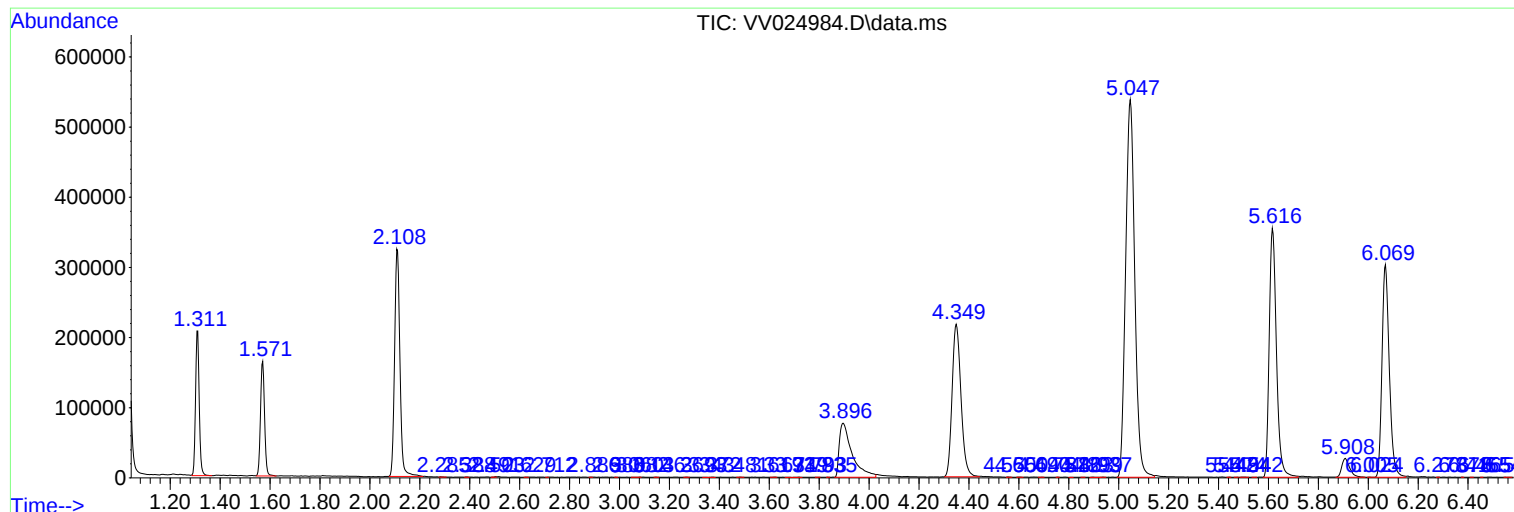
Sum of corrected areas: 9873786

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MSVOA\_V  
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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\VV031422\  
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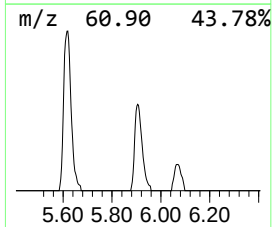
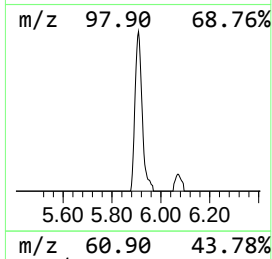
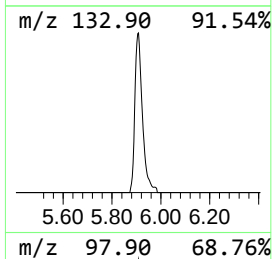
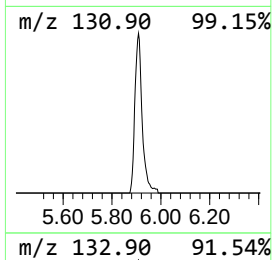
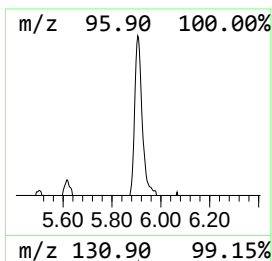
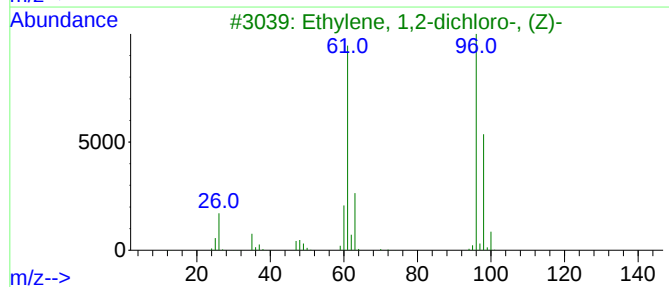
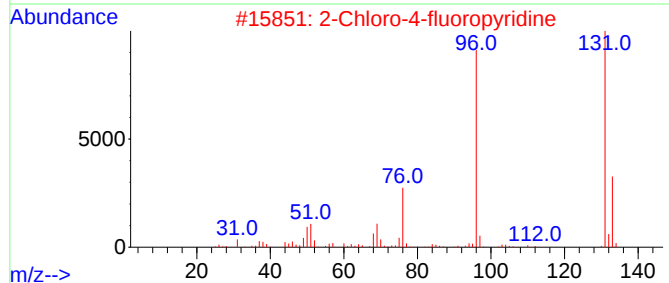
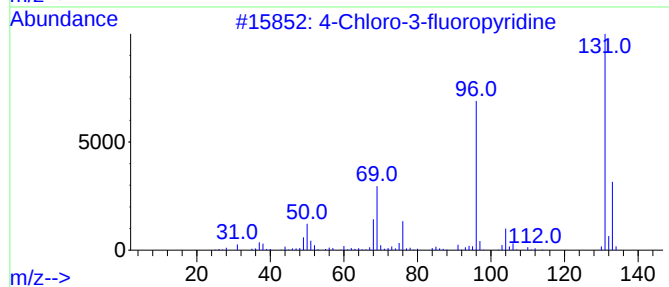
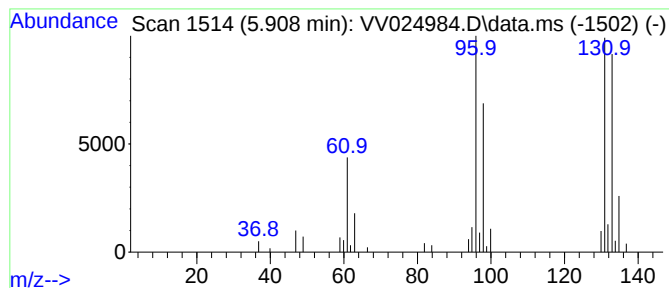
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM022822WMA.M  
Quant Title : VOC Analysis

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 | 4.08 ug/L | 58181 | 1,4-Difluorobenzene | 5.616 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 4-Chloro-3-fluoropyridine           | 131 | C5H3ClFN  | 002546-56-7  | 43   |
| 2    |    |   | 2-Chloro-4-fluoropyridine           | 131 | C5H3ClFN  | 1000484-44-8 | 38   |
| 3    |    |   | Ethylene, 1,2-dichloro-, (Z)-       | 96  | C2H2Cl2   | 000156-59-2  | 35   |
| 4    |    |   | Dihydro-4,5-dichloro-2(3H)furanone  | 154 | C4H4Cl2O2 | 114434-99-0  | 25   |
| 5    |    |   | Propanoic acid, 2,2,3-trichloro-... | 190 | C4H5Cl3O2 | 004749-35-3  | 23   |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown-01       | 5.908 | 4.1     | ug/L  | 58181    | 1                     | 5.616 | 713872 | 50.0 |