

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081022\  
 Data File : VX030561.D  
 Acq On : 10 Aug 2022 18:42  
 Operator : JC/MD  
 Sample : N4114-06RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 F5D75RE

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\_X\Method\SFAMXML080422WMA.M  
 Title : VOC Analysis

Signal : TIC: VX030561.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         | 1.246       | 23            | 26          | 40           | rBV      | 176791         | 288563        | 23.12%          | 2.883%        |
| 2         | 1.367       | 42            | 46          | 56           | rVB2     | 257887         | 292881        | 23.46%          | 2.926%        |
| 3         | 1.666       | 91            | 95          | 104          | rVB      | 120614         | 146763        | 11.76%          | 1.466%        |
| 4         | 2.306       | 194           | 200         | 210          | rVB      | 248590         | 380514        | 30.48%          | 3.801%        |
| 5         | 2.648       | 254           | 256         | 259          | rVB3     | 545            | 572           | 0.05%           | 0.006%        |
| 6         | 2.727       | 267           | 269         | 271          | rVB2     | 725            | 559           | 0.04%           | 0.006%        |
| 7         | 2.751       | 271           | 273         | 274          | rBV      | 536            | 378           | 0.03%           | 0.004%        |
| 8         | 2.764       | 274           | 275         | 276          | rBV      | 715            | 408           | 0.03%           | 0.004%        |
| 9         | 2.849       | 287           | 289         | 290          | rVB      | 661            | 305           | 0.02%           | 0.003%        |
| 10        | 2.904       | 297           | 298         | 299          | rBV      | 498            | 305           | 0.02%           | 0.003%        |
| 11        | 3.093       | 323           | 329         | 338          | rBV      | 24535          | 46894         | 3.76%           | 0.468%        |
| 12        | 3.190       | 343           | 345         | 347          | rVB3     | 566            | 443           | 0.04%           | 0.004%        |
| 13        | 3.215       | 347           | 349         | 354          | rBV3     | 550            | 750           | 0.06%           | 0.007%        |
| 14        | 3.270       | 357           | 358         | 360          | rBV      | 351            | 262           | 0.02%           | 0.003%        |
| 15        | 3.300       | 362           | 363         | 365          | rBV      | 478            | 303           | 0.02%           | 0.003%        |
| 16        | 3.416       | 381           | 382         | 384          | rBV2     | 395            | 361           | 0.03%           | 0.004%        |
| 17        | 3.452       | 386           | 388         | 391          | rVV2     | 417            | 562           | 0.05%           | 0.006%        |
| 18        | 3.501       | 393           | 396         | 397          | rBV2     | 584            | 437           | 0.04%           | 0.004%        |
| 19        | 3.599       | 410           | 412         | 413          | rVB2     | 408            | 240           | 0.02%           | 0.002%        |
| 20        | 3.648       | 419           | 420         | 422          | rBV      | 482            | 420           | 0.03%           | 0.004%        |
| 21        | 3.684       | 424           | 426         | 427          | rBV2     | 366            | 308           | 0.02%           | 0.003%        |
| 22        | 3.788       | 438           | 443         | 448          | rBV4     | 567            | 1500          | 0.12%           | 0.015%        |
| 23        | 3.885       | 457           | 459         | 462          | rBV2     | 600            | 494           | 0.04%           | 0.005%        |
| 24        | 3.946       | 466           | 469         | 470          | rBV2     | 362            | 303           | 0.02%           | 0.003%        |
| 25        | 3.995       | 474           | 477         | 479          | rBV2     | 268            | 360           | 0.03%           | 0.004%        |
| 26        | 4.105       | 493           | 495         | 496          | rBV2     | 354            | 293           | 0.02%           | 0.003%        |
| 27        | 4.172       | 503           | 506         | 507          | rBV3     | 459            | 568           | 0.05%           | 0.006%        |
| 28        | 4.196       | 507           | 510         | 512          | rVV3     | 489            | 713           | 0.06%           | 0.007%        |
| 29        | 4.483       | 545           | 557         | 577          | rBV2     | 172180         | 579795        | 46.45%          | 5.792%        |
| 30        | 4.928       | 628           | 630         | 632          | rBV2     | 581            | 298           | 0.02%           | 0.003%        |
| 31        | 5.068       | 640           | 653         | 672          | rBV      | 167085         | 511415        | 40.97%          | 5.109%        |
| 32        | 5.336       | 695           | 697         | 698          | rBV      | 531            | 260           | 0.02%           | 0.003%        |
| 33        | 5.976       | 790           | 802         | 818          | rBV3     | 422340         | 1248240       | 100.00%         | 12.470%       |
| 34        | 6.220       | 841           | 842         | 843          | rVB      | 687            | 251           | 0.02%           | 0.003%        |
| 35        | 6.239       | 843           | 845         | 847          | rBV2     | 488            | 463           | 0.04%           | 0.005%        |
| 36        | 6.287       | 851           | 853         | 854          | rBV      | 482            | 301           | 0.02%           | 0.003%        |

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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\_X\Method\SFAMXMLM080422WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 6.464  | 880  | 882  | 885  | rVB4 | 522    | 438    | 0.04%  | 0.004% |
| 38 | 6.604  | 902  | 905  | 907  | rBV3 | 504    | 521    | 0.04%  | 0.005% |
| 39 | 6.769  | 921  | 932  | 945  | rBV2 | 293043 | 679842 | 54.46% | 6.791% |
| 40 | 7.116  | 984  | 989  | 998  | rVB6 | 6533   | 14366  | 1.15%  | 0.144% |
| 41 | 7.318  | 1012 | 1022 | 1035 | rBV  | 271571 | 587477 | 47.06% | 5.869% |
| 42 | 7.482  | 1045 | 1049 | 1054 | rBV5 | 902    | 1867   | 0.15%  | 0.019% |
| 43 | 7.885  | 1113 | 1115 | 1116 | rBV2 | 432    | 354    | 0.03%  | 0.004% |
| 44 | 7.939  | 1121 | 1124 | 1128 | rBV4 | 1034   | 1437   | 0.12%  | 0.014% |
| 45 | 8.049  | 1139 | 1142 | 1145 | rBV3 | 685    | 808    | 0.06%  | 0.008% |
| 46 | 8.098  | 1148 | 1150 | 1151 | rVB  | 506    | 262    | 0.02%  | 0.003% |
| 47 | 8.330  | 1181 | 1188 | 1201 | rBV  | 172611 | 282153 | 22.60% | 2.819% |
| 48 | 8.494  | 1211 | 1215 | 1220 | rBV5 | 896    | 1297   | 0.10%  | 0.013% |
| 49 | 8.567  | 1225 | 1227 | 1228 | rBV  | 325    | 280    | 0.02%  | 0.003% |
| 50 | 8.653  | 1235 | 1241 | 1250 | rBV  | 620255 | 947017 | 75.87% | 9.461% |
| 51 | 8.878  | 1277 | 1278 | 1280 | rVB2 | 596    | 330    | 0.03%  | 0.003% |
| 52 | 8.897  | 1280 | 1281 | 1284 | rBV3 | 574    | 568    | 0.05%  | 0.006% |
| 53 | 8.951  | 1285 | 1290 | 1302 | rVB  | 124395 | 188663 | 15.11% | 1.885% |
| 54 | 9.061  | 1307 | 1308 | 1312 | rVB4 | 687    | 520    | 0.04%  | 0.005% |
| 55 | 9.122  | 1317 | 1318 | 1320 | rBV  | 737    | 591    | 0.05%  | 0.006% |
| 56 | 9.275  | 1341 | 1343 | 1347 | rBV3 | 618    | 959    | 0.08%  | 0.010% |
| 57 | 9.390  | 1356 | 1362 | 1378 | rBV  | 554848 | 790059 | 63.29% | 7.893% |
| 58 | 9.848  | 1435 | 1437 | 1440 | rBV3 | 473    | 603    | 0.05%  | 0.006% |
| 59 | 10.055 | 1466 | 1471 | 1480 | rBV  | 571102 | 776327 | 62.19% | 7.755% |
| 60 | 10.305 | 1510 | 1512 | 1515 | rVB4 | 1006   | 935    | 0.07%  | 0.009% |
| 61 | 10.378 | 1523 | 1524 | 1526 | rBV2 | 489    | 270    | 0.02%  | 0.003% |
| 62 | 10.476 | 1538 | 1540 | 1544 | rVV3 | 549    | 565    | 0.05%  | 0.006% |
| 63 | 10.561 | 1552 | 1554 | 1556 | rBV3 | 420    | 446    | 0.04%  | 0.004% |
| 64 | 10.598 | 1559 | 1560 | 1562 | rVV2 | 477    | 331    | 0.03%  | 0.003% |
| 65 | 10.652 | 1566 | 1569 | 1573 | rVB2 | 641    | 891    | 0.07%  | 0.009% |
| 66 | 10.823 | 1594 | 1597 | 1598 | rBV  | 576    | 602    | 0.05%  | 0.006% |
| 67 | 11.006 | 1625 | 1627 | 1631 | rBV3 | 434    | 724    | 0.06%  | 0.007% |
| 68 | 11.195 | 1652 | 1658 | 1667 | rBV  | 487144 | 617376 | 49.46% | 6.167% |
| 69 | 11.408 | 1689 | 1693 | 1695 | rBV2 | 502    | 604    | 0.05%  | 0.006% |
| 70 | 11.549 | 1715 | 1716 | 1717 | rBV  | 651    | 353    | 0.03%  | 0.004% |
| 71 | 11.634 | 1727 | 1730 | 1732 | rBV2 | 500    | 527    | 0.04%  | 0.005% |
| 72 | 11.817 | 1758 | 1760 | 1762 | rBV2 | 538    | 417    | 0.03%  | 0.004% |
| 73 | 11.957 | 1781 | 1783 | 1784 | rBV2 | 421    | 330    | 0.03%  | 0.003% |
| 74 | 11.969 | 1784 | 1785 | 1789 | rBV2 | 628    | 864    | 0.07%  | 0.009% |
| 75 | 12.024 | 1789 | 1794 | 1803 | rVV  | 603201 | 730858 | 58.55% | 7.301% |
| 76 | 12.225 | 1825 | 1827 | 1832 | rBV4 | 1126   | 1363   | 0.11%  | 0.014% |

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Instrument :  
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Integration Parameters: LSCINT.P

Integrator: RTE

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML080422WMA.M

Title : VOC Analysis

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 12.323 | 1837 | 1843 | 1849 | rBV  | 684293 | 852613 | 68.31% | 8.517% |
| 78  | 12.481 | 1867 | 1869 | 1870 | rVB  | 572    | 365    | 0.03%  | 0.004% |
| 79  | 12.506 | 1870 | 1873 | 1876 | rBV4 | 436    | 718    | 0.06%  | 0.007% |
| 80  | 12.567 | 1881 | 1883 | 1885 | rBV2 | 424    | 275    | 0.02%  | 0.003% |
| 81  | 12.744 | 1909 | 1912 | 1913 | rBV2 | 593    | 564    | 0.05%  | 0.006% |
| 82  | 13.042 | 1957 | 1961 | 1963 | rBV3 | 495    | 607    | 0.05%  | 0.006% |
| 83  | 13.164 | 1979 | 1981 | 1982 | rBV2 | 556    | 386    | 0.03%  | 0.004% |
| 84  | 13.219 | 1988 | 1990 | 1991 | rBV2 | 436    | 406    | 0.03%  | 0.004% |
| 85  | 13.701 | 2064 | 2069 | 2072 | rBV4 | 816    | 1294   | 0.10%  | 0.013% |
| 86  | 13.743 | 2074 | 2076 | 2079 | rBV2 | 486    | 347    | 0.03%  | 0.003% |
| 87  | 13.774 | 2079 | 2081 | 2084 | rBV3 | 461    | 468    | 0.04%  | 0.005% |
| 88  | 14.024 | 2119 | 2122 | 2123 | rBV  | 624    | 638    | 0.05%  | 0.006% |
| 89  | 14.188 | 2147 | 2149 | 2155 | rVB5 | 1058   | 1926   | 0.15%  | 0.019% |
| 90  | 14.237 | 2155 | 2157 | 2160 | rBV4 | 613    | 738    | 0.06%  | 0.007% |
| 91  | 14.377 | 2178 | 2180 | 2183 | rBV2 | 799    | 767    | 0.06%  | 0.008% |
| 92  | 14.408 | 2183 | 2185 | 2186 | rBV2 | 732    | 429    | 0.03%  | 0.004% |
| 93  | 14.536 | 2205 | 2206 | 2208 | rVB  | 620    | 374    | 0.03%  | 0.004% |
| 94  | 14.597 | 2214 | 2216 | 2219 | rBV4 | 658    | 549    | 0.04%  | 0.005% |
| 95  | 14.853 | 2254 | 2258 | 2260 | rBV3 | 716    | 1111   | 0.09%  | 0.011% |
| 96  | 15.103 | 2297 | 2299 | 2300 | rBV  | 750    | 607    | 0.05%  | 0.006% |
| 97  | 15.310 | 2331 | 2333 | 2335 | rBV  | 751    | 549    | 0.04%  | 0.005% |
| 98  | 15.402 | 2346 | 2348 | 2350 | rVB  | 704    | 402    | 0.03%  | 0.004% |
| 99  | 16.023 | 2445 | 2450 | 2451 | rBV2 | 983    | 1713   | 0.14%  | 0.017% |
| 100 | 16.145 | 2467 | 2470 | 2471 | rBV2 | 696    | 686    | 0.05%  | 0.007% |

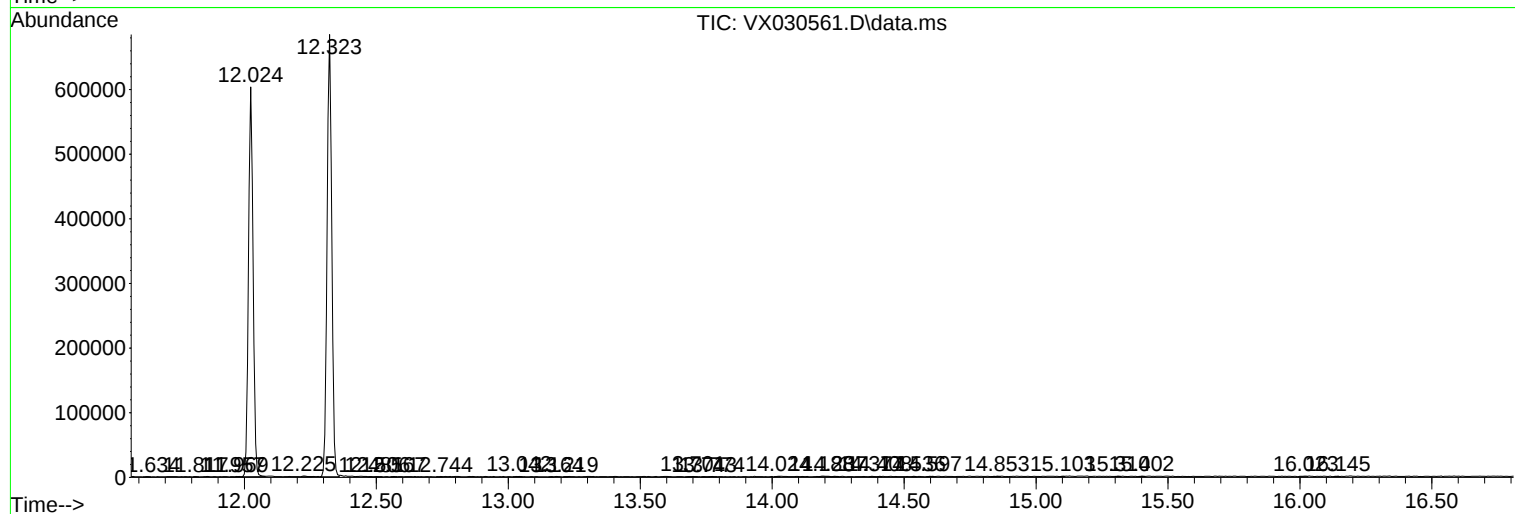
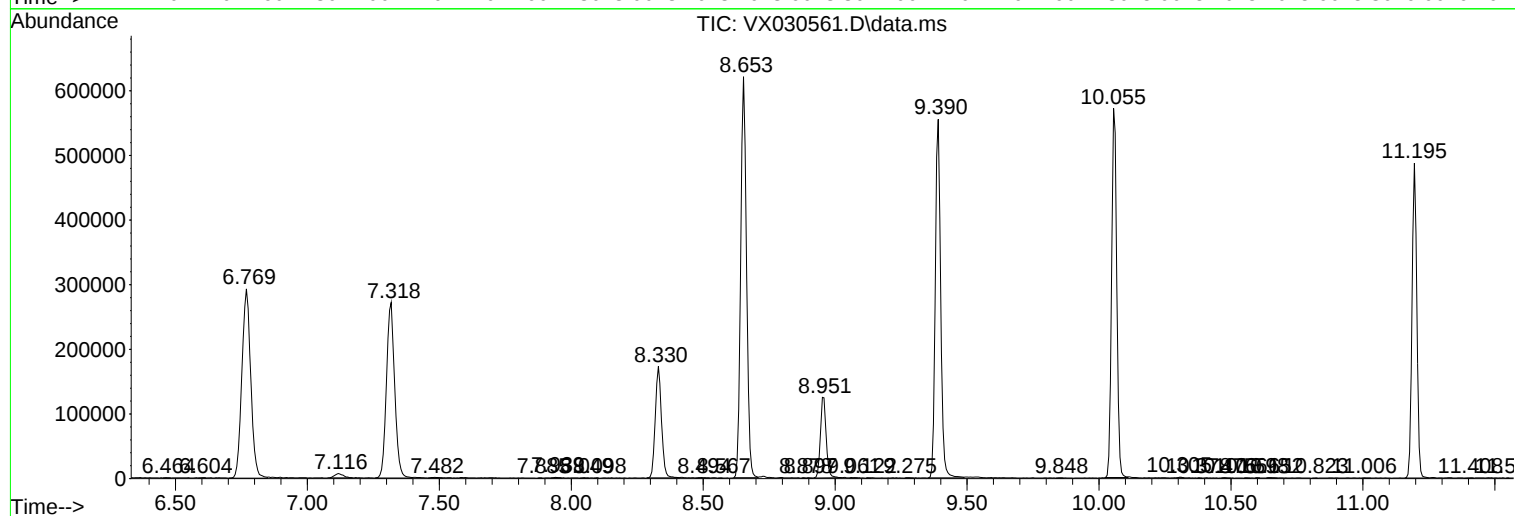
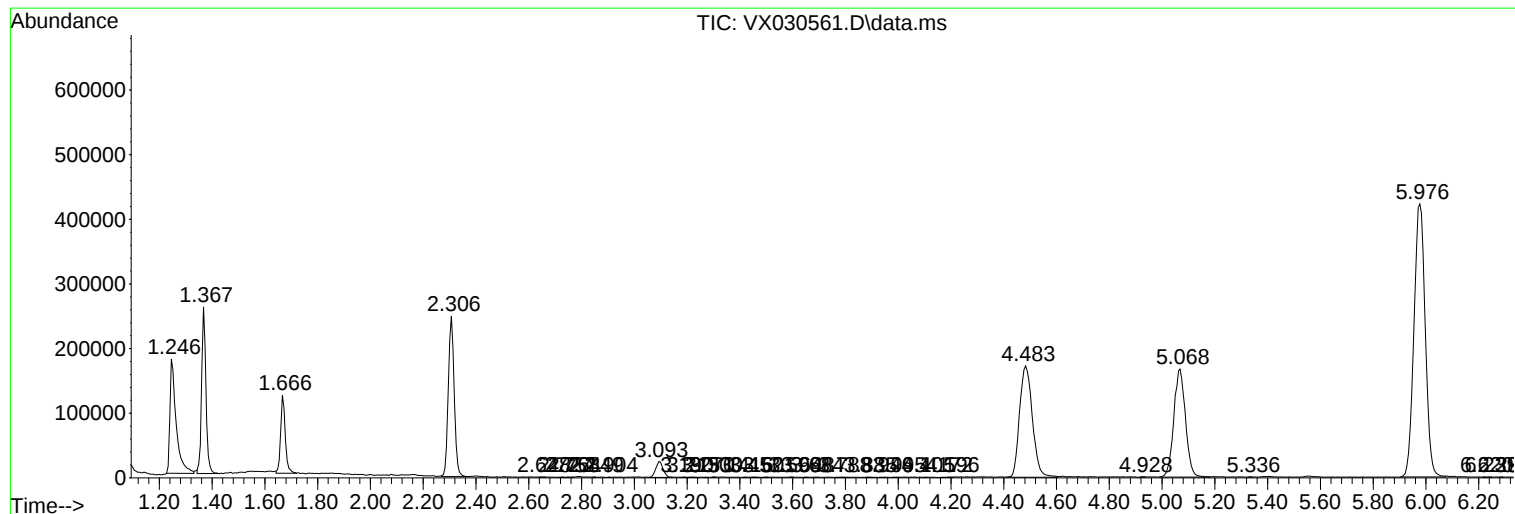
Sum of corrected areas: 10010209

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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML080422WMA.M  
Quant Title : VOC Analysis

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



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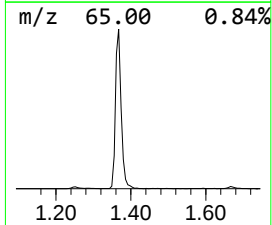
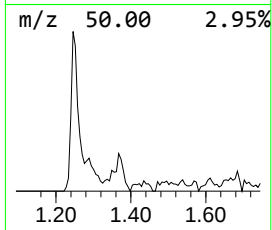
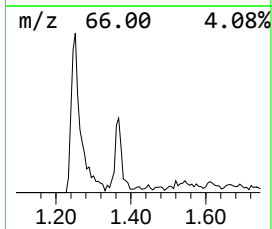
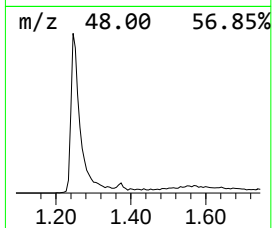
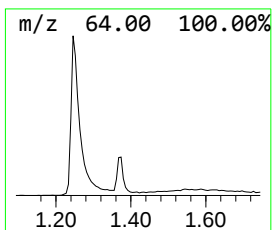
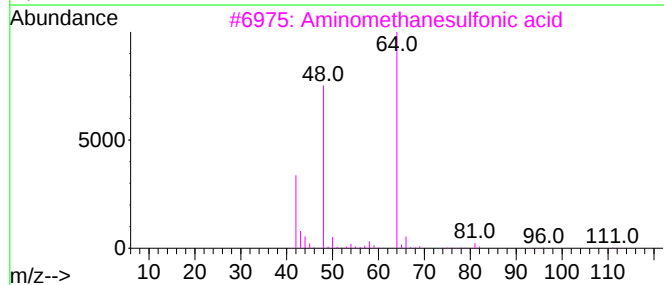
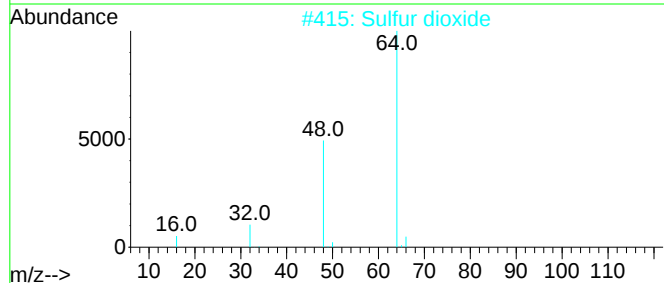
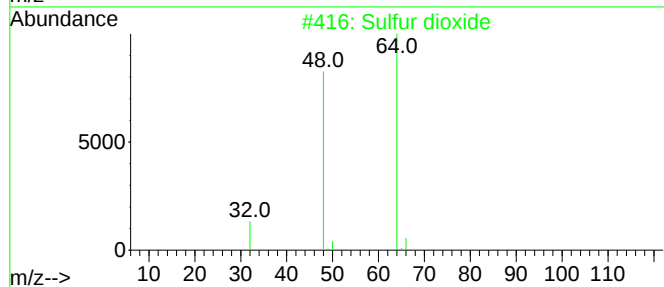
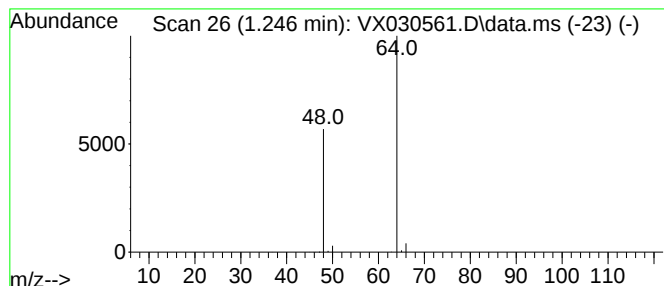
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML080422WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 1 Sulfur dioxide Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 1.246 | 21.22 ug/L | 288563 | 1,4-Difluorobenzene | 6.769 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Sulfur dioxide            | 64  | O2S     | 007446-09-5 | 83   |
| 2    |    |   | Sulfur dioxide            | 64  | O2S     | 007446-09-5 | 83   |
| 3    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 64   |
| 4    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 9    |
| 5    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 9    |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| Sulfur dioxide   | 1.246 | 21.2    | ug/L  | 288563   | 1                     | 6.769 | 679842 | 50.0 |