

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122121\  
 Data File : VX025949.D  
 Acq On : 21 Dec 2021 12:16  
 Operator : JC/MD  
 Sample : M5126-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 C0J11

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\SFAMXLM122021WMA.M  
 Title : VOC Analysis

Signal : TIC: VX025949.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         | 1.264       | 24            | 29          | 43           | rBV      | 48870          | 152060        | 23.97%          | 2.824%        |
| 2         | 1.368       | 43            | 46          | 53           | rVB      | 80863          | 88445         | 13.94%          | 1.642%        |
| 3         | 1.666       | 91            | 95          | 103          | rVB      | 68985          | 89819         | 14.16%          | 1.668%        |
| 4         | 2.307       | 194           | 200         | 209          | rBV      | 118336         | 201547        | 31.77%          | 3.743%        |
| 5         | 2.392       | 210           | 214         | 222          | rVB4     | 3483           | 7728          | 1.22%           | 0.144%        |
| 6         | 2.514       | 231           | 234         | 235          | rBV2     | 942            | 939           | 0.15%           | 0.017%        |
| 7         | 3.087       | 325           | 328         | 329          | rBV      | 434            | 370           | 0.06%           | 0.007%        |
| 8         | 3.191       | 343           | 345         | 348          | rVB      | 305            | 239           | 0.04%           | 0.004%        |
| 9         | 3.319       | 362           | 366         | 368          | rBV2     | 499            | 512           | 0.08%           | 0.010%        |
| 10        | 3.562       | 404           | 406         | 409          | rBV      | 165            | 197           | 0.03%           | 0.004%        |
| 11        | 3.812       | 445           | 447         | 449          | rBV      | 198            | 241           | 0.04%           | 0.004%        |
| 12        | 3.892       | 458           | 460         | 462          | rVB      | 262            | 209           | 0.03%           | 0.004%        |
| 13        | 3.953       | 469           | 470         | 475          | rBV2     | 195            | 208           | 0.03%           | 0.004%        |
| 14        | 4.190       | 507           | 509         | 511          | rVB      | 291            | 223           | 0.04%           | 0.004%        |
| 15        | 4.233       | 511           | 516         | 517          | rBV2     | 360            | 471           | 0.07%           | 0.009%        |
| 16        | 4.459       | 544           | 553         | 566          | rBV      | 49388          | 148073        | 23.34%          | 2.750%        |
| 17        | 5.062       | 637           | 652         | 668          | rBV      | 83536          | 272060        | 42.89%          | 5.052%        |
| 18        | 5.196       | 671           | 674         | 675          | rVV2     | 280            | 263           | 0.04%           | 0.005%        |
| 19        | 5.227       | 678           | 679         | 682          | rBV      | 326            | 270           | 0.04%           | 0.005%        |
| 20        | 5.294       | 688           | 690         | 693          | rBV      | 313            | 224           | 0.04%           | 0.004%        |
| 21        | 5.379       | 699           | 704         | 705          | rBV3     | 426            | 554           | 0.09%           | 0.010%        |
| 22        | 5.562       | 729           | 734         | 738          | rBV4     | 409            | 814           | 0.13%           | 0.015%        |
| 23        | 5.714       | 758           | 759         | 761          | rVV      | 294            | 210           | 0.03%           | 0.004%        |
| 24        | 5.763       | 765           | 767         | 771          | rVB      | 199            | 232           | 0.04%           | 0.004%        |
| 25        | 5.971       | 790           | 801         | 814          | rBV2     | 213839         | 634378        | 100.00%         | 11.780%       |
| 26        | 6.092       | 815           | 821         | 830          | rVV2     | 7796           | 20104         | 3.17%           | 0.373%        |
| 27        | 6.159       | 830           | 832         | 836          | rVB      | 351            | 263           | 0.04%           | 0.005%        |
| 28        | 6.611       | 904           | 906         | 908          | rBV2     | 201            | 220           | 0.03%           | 0.004%        |
| 29        | 6.763       | 922           | 931         | 945          | rBV      | 144743         | 348605        | 54.95%          | 6.474%        |
| 30        | 7.129       | 983           | 991         | 1003         | rVB      | 38003          | 84077         | 13.25%          | 1.561%        |
| 31        | 7.312       | 1011          | 1021        | 1031         | rVV      | 156277         | 338844        | 53.41%          | 6.292%        |
| 32        | 7.434       | 1033          | 1041        | 1054         | rVB2     | 117904         | 244882        | 38.60%          | 4.547%        |
| 33        | 7.580       | 1063          | 1065        | 1070         | rBV3     | 371            | 561           | 0.09%           | 0.010%        |
| 34        | 7.799       | 1098          | 1101        | 1102         | rBV2     | 189            | 212           | 0.03%           | 0.004%        |
| 35        | 8.080       | 1146          | 1147        | 1150         | rBV2     | 190            | 203           | 0.03%           | 0.004%        |
| 36        | 8.330       | 1181          | 1188        | 1200         | rBV      | 93602          | 157343        | 24.80%          | 2.922%        |

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 ClientSampleId :  
 C0J11

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\SFAMXLM122021WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 37 | 8.653  | 1234 | 1241 | 1249 | rBV  | 373562 | 592706 | 93.43% | 11.007% |
| 38 | 8.952  | 1284 | 1290 | 1300 | rBV  | 56393  | 80681  | 12.72% | 1.498%  |
| 39 | 9.055  | 1305 | 1307 | 1309 | rBV  | 272    | 288    | 0.05%  | 0.005%  |
| 40 | 9.080  | 1309 | 1311 | 1314 | rVB2 | 260    | 315    | 0.05%  | 0.006%  |
| 41 | 9.275  | 1337 | 1343 | 1349 | rVB4 | 2433   | 3522   | 0.56%  | 0.065%  |
| 42 | 9.385  | 1356 | 1361 | 1380 | rBV  | 210708 | 307135 | 48.42% | 5.704%  |
| 43 | 9.525  | 1380 | 1384 | 1389 | rVB2 | 2052   | 2760   | 0.44%  | 0.051%  |
| 44 | 9.677  | 1406 | 1409 | 1411 | rVB  | 330    | 328    | 0.05%  | 0.006%  |
| 45 | 9.695  | 1411 | 1412 | 1414 | rBV  | 229    | 212    | 0.03%  | 0.004%  |
| 46 | 10.055 | 1465 | 1471 | 1488 | rVV  | 335641 | 445634 | 70.25% | 8.275%  |
| 47 | 10.238 | 1499 | 1501 | 1506 | rVB4 | 631    | 674    | 0.11%  | 0.013%  |
| 48 | 10.305 | 1507 | 1512 | 1515 | rVV3 | 647    | 894    | 0.14%  | 0.017%  |
| 49 | 10.354 | 1518 | 1520 | 1523 | rVB  | 362    | 250    | 0.04%  | 0.005%  |
| 50 | 10.482 | 1538 | 1541 | 1543 | rBV2 | 181    | 202    | 0.03%  | 0.004%  |
| 51 | 10.573 | 1553 | 1556 | 1557 | rBV2 | 228    | 278    | 0.04%  | 0.005%  |
| 52 | 10.634 | 1563 | 1566 | 1567 | rBV2 | 282    | 202    | 0.03%  | 0.004%  |
| 53 | 10.854 | 1600 | 1602 | 1604 | rBV  | 293    | 252    | 0.04%  | 0.005%  |
| 54 | 11.012 | 1625 | 1628 | 1629 | rBV  | 289    | 207    | 0.03%  | 0.004%  |
| 55 | 11.122 | 1642 | 1646 | 1649 | rVB2 | 1562   | 1967   | 0.31%  | 0.037%  |
| 56 | 11.195 | 1652 | 1658 | 1667 | rVV  | 251797 | 319458 | 50.36% | 5.932%  |
| 57 | 11.274 | 1669 | 1671 | 1674 | rVV2 | 468    | 437    | 0.07%  | 0.008%  |
| 58 | 11.317 | 1674 | 1678 | 1682 | rVV4 | 599    | 1019   | 0.16%  | 0.019%  |
| 59 | 11.372 | 1684 | 1687 | 1688 | rVB  | 252    | 208    | 0.03%  | 0.004%  |
| 60 | 11.390 | 1688 | 1690 | 1692 | rBV  | 228    | 208    | 0.03%  | 0.004%  |
| 61 | 11.482 | 1702 | 1705 | 1711 | rVB3 | 638    | 827    | 0.13%  | 0.015%  |
| 62 | 11.750 | 1744 | 1749 | 1753 | rVB3 | 2033   | 2593   | 0.41%  | 0.048%  |
| 63 | 11.841 | 1762 | 1764 | 1767 | rBV  | 291    | 360    | 0.06%  | 0.007%  |
| 64 | 11.933 | 1777 | 1779 | 1782 | rBV2 | 585    | 532    | 0.08%  | 0.010%  |
| 65 | 12.024 | 1789 | 1794 | 1805 | rVB  | 316704 | 395740 | 62.38% | 7.349%  |
| 66 | 12.128 | 1807 | 1811 | 1812 | rBV2 | 621    | 708    | 0.11%  | 0.013%  |
| 67 | 12.225 | 1822 | 1827 | 1833 | rVV2 | 3599   | 6168   | 0.97%  | 0.115%  |
| 68 | 12.323 | 1837 | 1843 | 1849 | rVV  | 324404 | 413242 | 65.14% | 7.674%  |
| 69 | 12.433 | 1858 | 1861 | 1862 | rBV3 | 424    | 366    | 0.06%  | 0.007%  |
| 70 | 12.573 | 1882 | 1884 | 1886 | rVV2 | 244    | 229    | 0.04%  | 0.004%  |
| 71 | 12.671 | 1896 | 1900 | 1904 | rBV2 | 430    | 799    | 0.13%  | 0.015%  |
| 72 | 12.774 | 1913 | 1917 | 1919 | rBV3 | 258    | 423    | 0.07%  | 0.008%  |
| 73 | 12.835 | 1925 | 1927 | 1931 | rVB  | 257    | 245    | 0.04%  | 0.005%  |
| 74 | 13.116 | 1970 | 1973 | 1975 | rBV  | 355    | 479    | 0.08%  | 0.009%  |
| 75 | 13.512 | 2034 | 2038 | 2043 | rBV2 | 157    | 223    | 0.04%  | 0.004%  |
| 76 | 13.786 | 2081 | 2083 | 2085 | rVB2 | 330    | 300    | 0.05%  | 0.006%  |

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Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 C0J11

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

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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\_X\Method\SFAMXML122021WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |     |     |       |        |
|-----|--------|------|------|------|------|-----|-----|-------|--------|
| 77  | 13.804 | 2085 | 2086 | 2088 | rBV  | 382 | 325 | 0.05% | 0.006% |
| 78  | 14.024 | 2120 | 2122 | 2126 | rBV  | 167 | 193 | 0.03% | 0.004% |
| 79  | 14.335 | 2171 | 2173 | 2177 | rVB2 | 162 | 195 | 0.03% | 0.004% |
| 80  | 14.469 | 2193 | 2195 | 2196 | rBV  | 263 | 211 | 0.03% | 0.004% |
| 81  | 14.670 | 2226 | 2228 | 2229 | rBV2 | 334 | 215 | 0.03% | 0.004% |
| 82  | 14.786 | 2246 | 2247 | 2250 | rVB  | 389 | 289 | 0.05% | 0.005% |
| 83  | 14.823 | 2250 | 2253 | 2254 | rBV  | 313 | 378 | 0.06% | 0.007% |
| 84  | 14.853 | 2256 | 2258 | 2260 | rVV2 | 273 | 245 | 0.04% | 0.005% |
| 85  | 15.079 | 2292 | 2295 | 2297 | rBV2 | 237 | 265 | 0.04% | 0.005% |
| 86  | 15.383 | 2342 | 2345 | 2348 | rVB2 | 348 | 434 | 0.07% | 0.008% |
| 87  | 15.426 | 2348 | 2352 | 2353 | rVB2 | 263 | 273 | 0.04% | 0.005% |
| 88  | 15.438 | 2353 | 2354 | 2357 | rBV3 | 235 | 313 | 0.05% | 0.006% |
| 89  | 15.579 | 2375 | 2377 | 2379 | rVB2 | 312 | 252 | 0.04% | 0.005% |
| 90  | 15.609 | 2379 | 2382 | 2383 | rBV  | 255 | 204 | 0.03% | 0.004% |
| 91  | 15.652 | 2387 | 2389 | 2392 | rBV2 | 229 | 350 | 0.06% | 0.006% |
| 92  | 15.719 | 2399 | 2400 | 2402 | rBV  | 338 | 229 | 0.04% | 0.004% |
| 93  | 15.749 | 2404 | 2405 | 2408 | rVB  | 382 | 291 | 0.05% | 0.005% |
| 94  | 15.902 | 2427 | 2430 | 2431 | rBV  | 269 | 235 | 0.04% | 0.004% |
| 95  | 16.017 | 2447 | 2449 | 2452 | rBV3 | 209 | 241 | 0.04% | 0.004% |
| 96  | 16.097 | 2460 | 2462 | 2464 | rBV  | 224 | 223 | 0.04% | 0.004% |
| 97  | 16.188 | 2476 | 2477 | 2479 | rBV2 | 298 | 248 | 0.04% | 0.005% |
| 98  | 16.609 | 2543 | 2546 | 2549 | rBV2 | 213 | 262 | 0.04% | 0.005% |
| 99  | 16.676 | 2555 | 2557 | 2560 | rVB2 | 274 | 278 | 0.04% | 0.005% |
| 100 | 16.725 | 2564 | 2565 | 2568 | rBV2 | 215 | 192 | 0.03% | 0.004% |

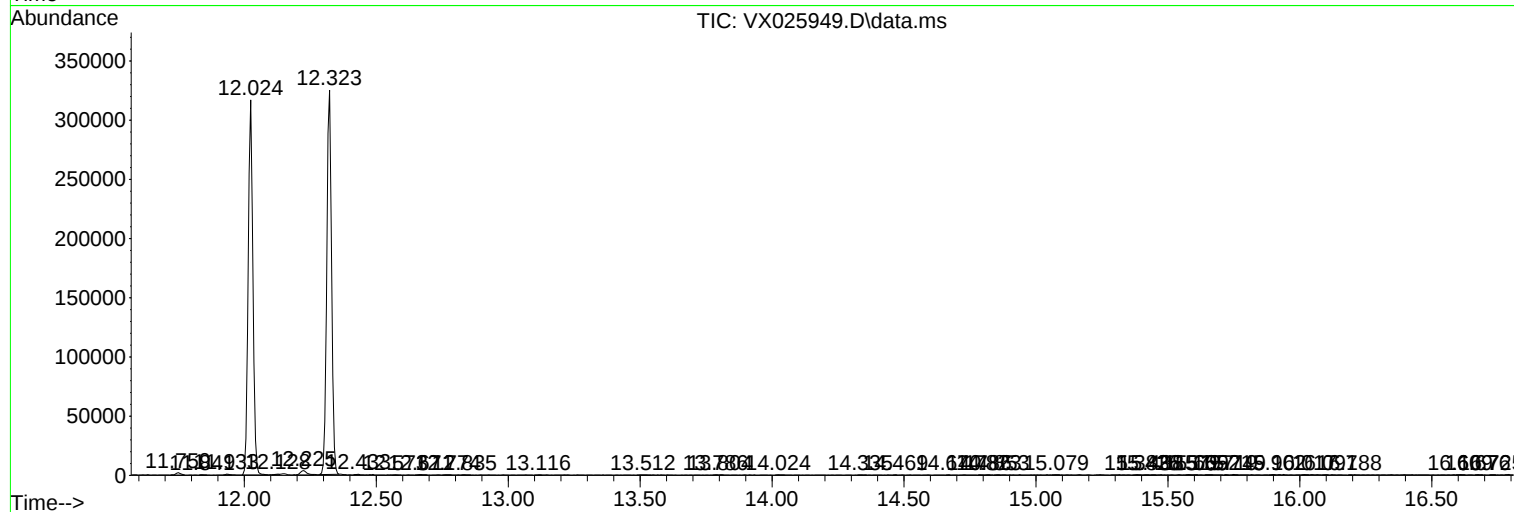
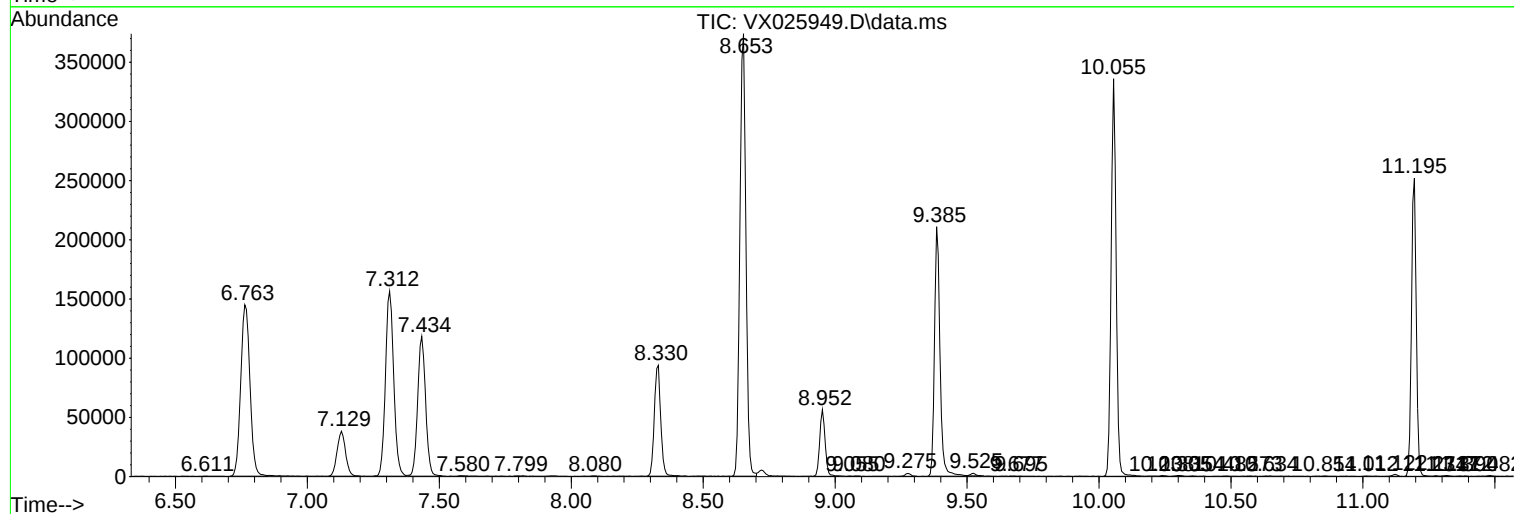
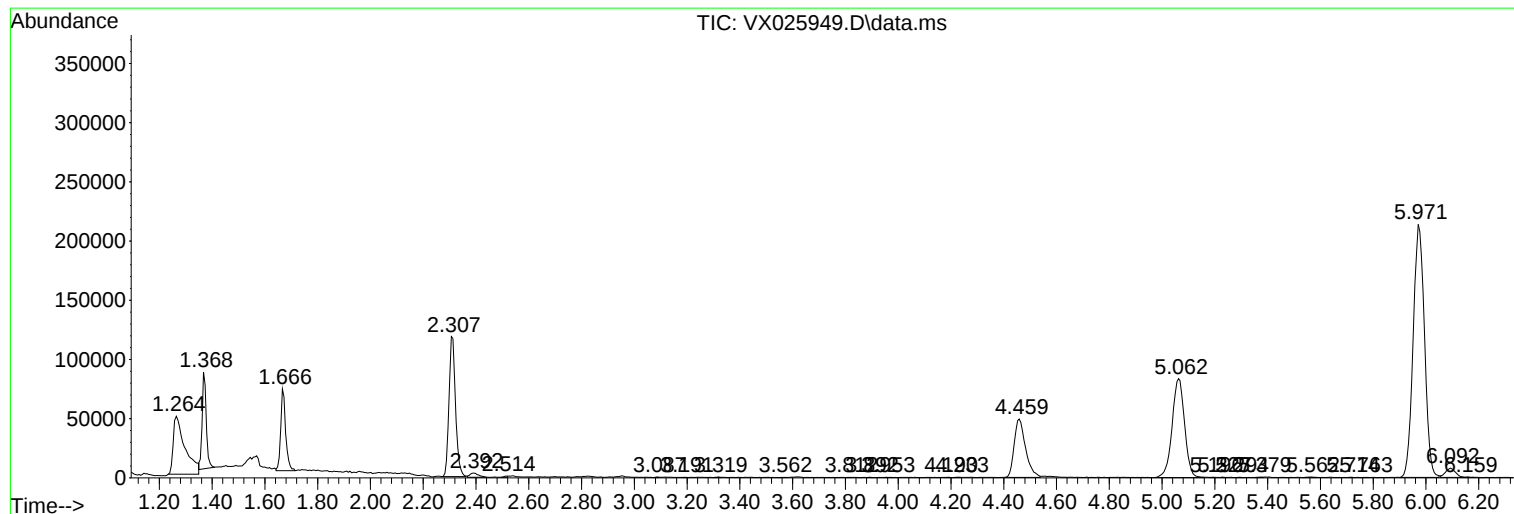
Sum of corrected areas: 5385012

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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM122021WMA.M  
Quant Title : VOC Analysis

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



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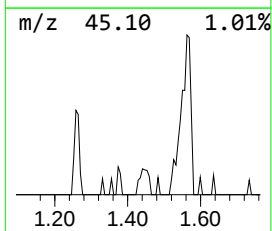
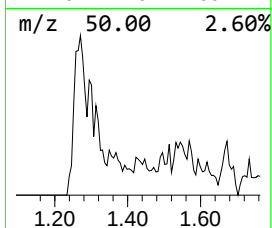
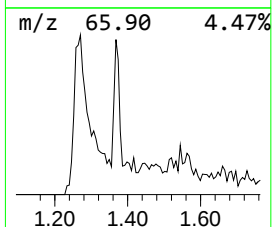
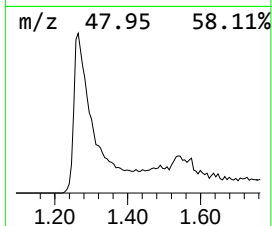
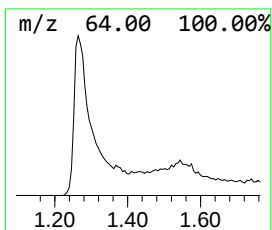
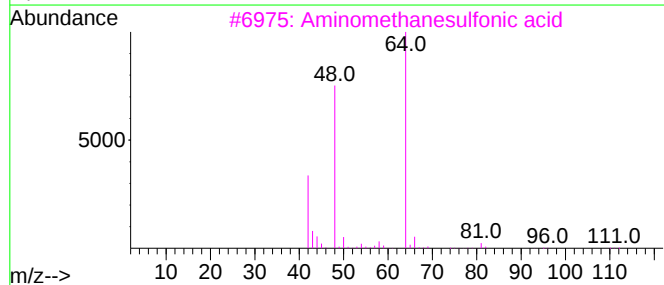
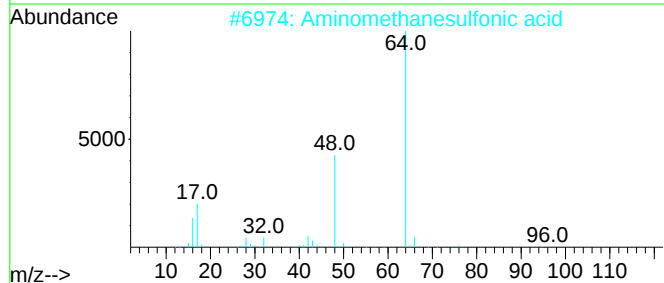
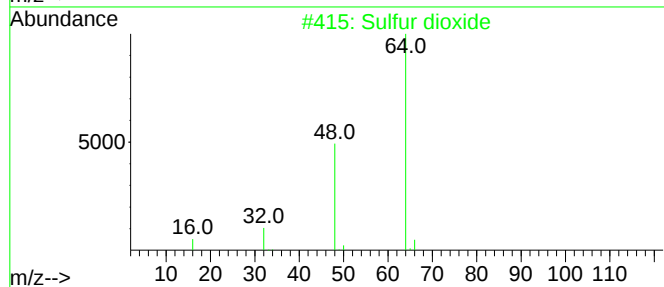
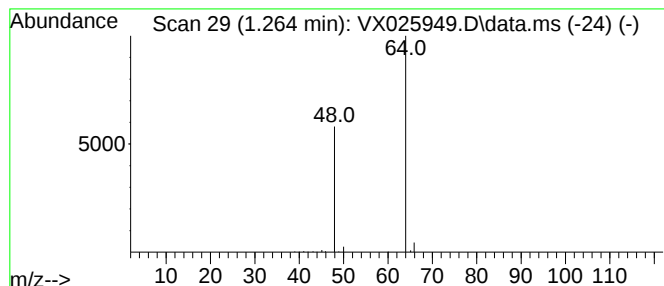
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM122021WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 1 Sulfur dioxide Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 1.264 | 21.81 ug/L | 152060 | 1,4-Difluorobenzene | 6.763 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Sulfur dioxide            | 64  | O2S     | 007446-09-5 | 83   |
| 2    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 74   |
| 3    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 64   |
| 4    |    |   | Ethene, 1,1-difluoro-     | 64  | C2H2F2  | 000075-38-7 | 4    |
| 5    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 4    |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| Sulfur dioxide   | 1.264 | 21.8    | ug/L  | 152060   | 1                     | 6.763 | 348605 | 50.0 |