

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081122\  
 Data File : VX030576.D  
 Acq On : 11 Aug 2022 16:17  
 Operator : JC/MD  
 Sample : N4144-10  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EY160

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: VX030576.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         | 1.142       | 7             | 9           | 13           | rVB2     | 6950           | 6260          | 0.71%           | 0.082%        |
| 2         | 1.252       | 23            | 27          | 38           | rBV      | 76623          | 155110        | 17.69%          | 2.028%        |
| 3         | 1.368       | 42            | 46          | 53           | rVB      | 82760          | 88007         | 10.04%          | 1.151%        |
| 4         | 1.666       | 91            | 95          | 105          | rVB      | 75254          | 95751         | 10.92%          | 1.252%        |
| 5         | 2.307       | 194           | 200         | 208          | rBV      | 138376         | 214712        | 24.49%          | 2.807%        |
| 6         | 2.404       | 211           | 216         | 223          | rVB2     | 3567           | 7474          | 0.85%           | 0.098%        |
| 7         | 2.556       | 239           | 241         | 242          | rBV      | 595            | 530           | 0.06%           | 0.007%        |
| 8         | 2.758       | 272           | 274         | 276          | rBV2     | 643            | 585           | 0.07%           | 0.008%        |
| 9         | 2.794       | 276           | 280         | 282          | rBV4     | 1189           | 1489          | 0.17%           | 0.019%        |
| 10        | 2.934       | 302           | 303         | 311          | rVB4     | 937            | 1758          | 0.20%           | 0.023%        |
| 11        | 3.093       | 326           | 329         | 331          | rBV3     | 702            | 893           | 0.10%           | 0.012%        |
| 12        | 3.288       | 359           | 361         | 363          | rBV2     | 422            | 424           | 0.05%           | 0.006%        |
| 13        | 3.331       | 365           | 368         | 375          | rVB5     | 1499           | 3040          | 0.35%           | 0.040%        |
| 14        | 4.001       | 477           | 478         | 482          | rVB3     | 568            | 426           | 0.05%           | 0.006%        |
| 15        | 4.093       | 490           | 493         | 498          | rBV4     | 734            | 1063          | 0.12%           | 0.014%        |
| 16        | 4.160       | 502           | 504         | 506          | rBV2     | 438            | 455           | 0.05%           | 0.006%        |
| 17        | 4.203       | 509           | 511         | 513          | rBV      | 641            | 591           | 0.07%           | 0.008%        |
| 18        | 4.257       | 518           | 520         | 523          | rVV4     | 642            | 735           | 0.08%           | 0.010%        |
| 19        | 4.373       | 538           | 539         | 542          | rVB      | 677            | 623           | 0.07%           | 0.008%        |
| 20        | 4.404       | 542           | 544         | 545          | rBV2     | 440            | 456           | 0.05%           | 0.006%        |
| 21        | 4.477       | 545           | 556         | 573          | rVV      | 103161         | 310247        | 35.38%          | 4.056%        |
| 22        | 5.068       | 640           | 653         | 669          | rBV      | 121637         | 392906        | 44.81%          | 5.137%        |
| 23        | 5.196       | 673           | 674         | 676          | rBV2     | 645            | 600           | 0.07%           | 0.008%        |
| 24        | 5.257       | 681           | 684         | 685          | rBV2     | 524            | 474           | 0.05%           | 0.006%        |
| 25        | 5.397       | 700           | 707         | 711          | rBV4     | 1421           | 3817          | 0.44%           | 0.050%        |
| 26        | 5.525       | 725           | 728         | 729          | rBV2     | 628            | 737           | 0.08%           | 0.010%        |
| 27        | 5.562       | 730           | 734         | 736          | rVV3     | 1578           | 2436          | 0.28%           | 0.032%        |
| 28        | 5.757       | 764           | 766         | 768          | rBV2     | 461            | 458           | 0.05%           | 0.006%        |
| 29        | 5.977       | 790           | 802         | 817          | rVV2     | 293996         | 876842        | 100.00%         | 11.464%       |
| 30        | 6.361       | 859           | 865         | 868          | rBV3     | 730            | 1127          | 0.13%           | 0.015%        |
| 31        | 6.635       | 909           | 910         | 912          | rBV      | 662            | 520           | 0.06%           | 0.007%        |
| 32        | 6.769       | 922           | 932         | 949          | rBV      | 271970         | 643101        | 73.34%          | 8.408%        |
| 33        | 7.111       | 983           | 988         | 997          | rVB6     | 5310           | 12610         | 1.44%           | 0.165%        |
| 34        | 7.312       | 1013          | 1021        | 1032         | rBV      | 198066         | 433489        | 49.44%          | 5.668%        |
| 35        | 7.470       | 1045          | 1047        | 1048         | rBV2     | 1006           | 661           | 0.08%           | 0.009%        |
| 36        | 7.556       | 1059          | 1061        | 1062         | rVB      | 715            | 469           | 0.05%           | 0.006%        |

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Integration Parameters: LSCINT.P

Integrator: RTE

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Filtering: 5

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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

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 7.574  | 1062 | 1064 | 1066 | rBV2 | 384    | 397    | 0.05%  | 0.005% |
| 38 | 7.629  | 1071 | 1073 | 1075 | rBV  | 439    | 404    | 0.05%  | 0.005% |
| 39 | 7.793  | 1099 | 1100 | 1102 | rBV2 | 585    | 407    | 0.05%  | 0.005% |
| 40 | 7.818  | 1102 | 1104 | 1105 | rBV  | 700    | 626    | 0.07%  | 0.008% |
| 41 | 7.903  | 1113 | 1118 | 1123 | rBV5 | 1855   | 4038   | 0.46%  | 0.053% |
| 42 | 8.141  | 1154 | 1157 | 1159 | rBV2 | 613    | 701    | 0.08%  | 0.009% |
| 43 | 8.159  | 1159 | 1160 | 1163 | rVV3 | 461    | 493    | 0.06%  | 0.006% |
| 44 | 8.287  | 1178 | 1181 | 1182 | rBV3 | 335    | 402    | 0.05%  | 0.005% |
| 45 | 8.330  | 1182 | 1188 | 1199 | rBV  | 127031 | 208187 | 23.74% | 2.722% |
| 46 | 8.494  | 1209 | 1215 | 1220 | rVB3 | 9525   | 16953  | 1.93%  | 0.222% |
| 47 | 8.653  | 1234 | 1241 | 1250 | rBV  | 391348 | 608805 | 69.43% | 7.960% |
| 48 | 8.842  | 1270 | 1272 | 1277 | rVB2 | 512    | 781    | 0.09%  | 0.010% |
| 49 | 8.952  | 1285 | 1290 | 1302 | rBV  | 91423  | 139886 | 15.95% | 1.829% |
| 50 | 9.037  | 1302 | 1304 | 1307 | rVB4 | 649    | 576    | 0.07%  | 0.008% |
| 51 | 9.263  | 1339 | 1341 | 1342 | rBV  | 420    | 416    | 0.05%  | 0.005% |
| 52 | 9.275  | 1342 | 1343 | 1348 | rVB5 | 832    | 895    | 0.10%  | 0.012% |
| 53 | 9.391  | 1356 | 1362 | 1374 | rBV  | 470768 | 677095 | 77.22% | 8.852% |
| 54 | 9.830  | 1431 | 1434 | 1435 | rVB3 | 548    | 432    | 0.05%  | 0.006% |
| 55 | 9.866  | 1439 | 1440 | 1444 | rBV3 | 573    | 610    | 0.07%  | 0.008% |
| 56 | 9.982  | 1457 | 1459 | 1462 | rVB  | 579    | 446    | 0.05%  | 0.006% |
| 57 | 10.012 | 1462 | 1464 | 1465 | rBV  | 586    | 428    | 0.05%  | 0.006% |
| 58 | 10.055 | 1465 | 1471 | 1483 | rVV  | 557464 | 759719 | 86.64% | 9.933% |
| 59 | 10.189 | 1490 | 1493 | 1495 | rVB2 | 564    | 501    | 0.06%  | 0.007% |
| 60 | 10.293 | 1507 | 1510 | 1515 | rVV5 | 2980   | 4095   | 0.47%  | 0.054% |
| 61 | 10.439 | 1529 | 1534 | 1536 | rBV3 | 654    | 1045   | 0.12%  | 0.014% |
| 62 | 10.970 | 1618 | 1621 | 1622 | rBV2 | 490    | 446    | 0.05%  | 0.006% |
| 63 | 11.195 | 1652 | 1658 | 1665 | rBV  | 427213 | 540920 | 61.69% | 7.072% |
| 64 | 11.384 | 1686 | 1689 | 1693 | rVB3 | 376    | 505    | 0.06%  | 0.007% |
| 65 | 11.476 | 1702 | 1704 | 1705 | rBV2 | 560    | 476    | 0.05%  | 0.006% |
| 66 | 11.604 | 1721 | 1725 | 1727 | rBV2 | 381    | 548    | 0.06%  | 0.007% |
| 67 | 11.671 | 1734 | 1736 | 1739 | rBV3 | 437    | 474    | 0.05%  | 0.006% |
| 68 | 11.762 | 1750 | 1751 | 1754 | rBV2 | 526    | 405    | 0.05%  | 0.005% |
| 69 | 11.878 | 1766 | 1770 | 1773 | rBV4 | 2863   | 3931   | 0.45%  | 0.051% |
| 70 | 11.963 | 1782 | 1784 | 1789 | rBV4 | 437    | 481    | 0.05%  | 0.006% |
| 71 | 12.024 | 1789 | 1794 | 1803 | rBV  | 603633 | 718339 | 81.92% | 9.392% |
| 72 | 12.091 | 1803 | 1805 | 1811 | rVB4 | 697    | 1108   | 0.13%  | 0.014% |
| 73 | 12.225 | 1823 | 1827 | 1834 | rBV3 | 3504   | 5068   | 0.58%  | 0.066% |
| 74 | 12.323 | 1837 | 1843 | 1849 | rBV  | 550781 | 671092 | 76.54% | 8.774% |
| 75 | 12.524 | 1874 | 1876 | 1878 | rVB2 | 549    | 414    | 0.05%  | 0.005% |
| 76 | 12.579 | 1882 | 1885 | 1887 | rVB2 | 637    | 727    | 0.08%  | 0.010% |

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Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EY160

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

|     |        |      |      |      |      |     |      |       |        |
|-----|--------|------|------|------|------|-----|------|-------|--------|
| 77  | 12.628 | 1892 | 1893 | 1896 | rVB3 | 678 | 562  | 0.06% | 0.007% |
| 78  | 12.762 | 1912 | 1915 | 1916 | rBV2 | 372 | 419  | 0.05% | 0.005% |
| 79  | 12.853 | 1929 | 1930 | 1933 | rVV3 | 809 | 723  | 0.08% | 0.009% |
| 80  | 13.000 | 1952 | 1954 | 1958 | rVB2 | 472 | 624  | 0.07% | 0.008% |
| 81  | 13.109 | 1970 | 1972 | 1974 | rBV  | 606 | 503  | 0.06% | 0.007% |
| 82  | 13.414 | 2021 | 2022 | 2026 | rVB2 | 717 | 506  | 0.06% | 0.007% |
| 83  | 13.646 | 2058 | 2060 | 2061 | rBV  | 411 | 402  | 0.05% | 0.005% |
| 84  | 13.762 | 2077 | 2079 | 2080 | rBV  | 775 | 562  | 0.06% | 0.007% |
| 85  | 14.018 | 2118 | 2121 | 2122 | rVB2 | 519 | 463  | 0.05% | 0.006% |
| 86  | 14.048 | 2125 | 2126 | 2131 | rBV3 | 573 | 1097 | 0.13% | 0.014% |
| 87  | 14.189 | 2146 | 2149 | 2150 | rBV3 | 885 | 883  | 0.10% | 0.012% |
| 88  | 14.439 | 2189 | 2190 | 2192 | rBV  | 688 | 476  | 0.05% | 0.006% |
| 89  | 14.573 | 2210 | 2212 | 2214 | rBV2 | 757 | 739  | 0.08% | 0.010% |
| 90  | 14.597 | 2214 | 2216 | 2218 | rBV2 | 795 | 488  | 0.06% | 0.006% |
| 91  | 14.914 | 2265 | 2268 | 2272 | rBV3 | 369 | 415  | 0.05% | 0.005% |
| 92  | 15.091 | 2293 | 2297 | 2298 | rBV4 | 801 | 886  | 0.10% | 0.012% |
| 93  | 15.335 | 2336 | 2337 | 2339 | rBV2 | 765 | 586  | 0.07% | 0.008% |
| 94  | 15.475 | 2358 | 2360 | 2361 | rBV  | 741 | 585  | 0.07% | 0.008% |
| 95  | 15.786 | 2409 | 2411 | 2413 | rBV2 | 611 | 456  | 0.05% | 0.006% |
| 96  | 15.908 | 2429 | 2431 | 2432 | rBV  | 593 | 474  | 0.05% | 0.006% |
| 97  | 15.950 | 2436 | 2438 | 2440 | rVB2 | 765 | 532  | 0.06% | 0.007% |
| 98  | 16.072 | 2456 | 2458 | 2461 | rBV2 | 691 | 566  | 0.06% | 0.007% |
| 99  | 16.633 | 2548 | 2550 | 2552 | rVB2 | 634 | 488  | 0.06% | 0.006% |
| 100 | 16.670 | 2552 | 2556 | 2557 | rBV2 | 999 | 1081 | 0.12% | 0.014% |

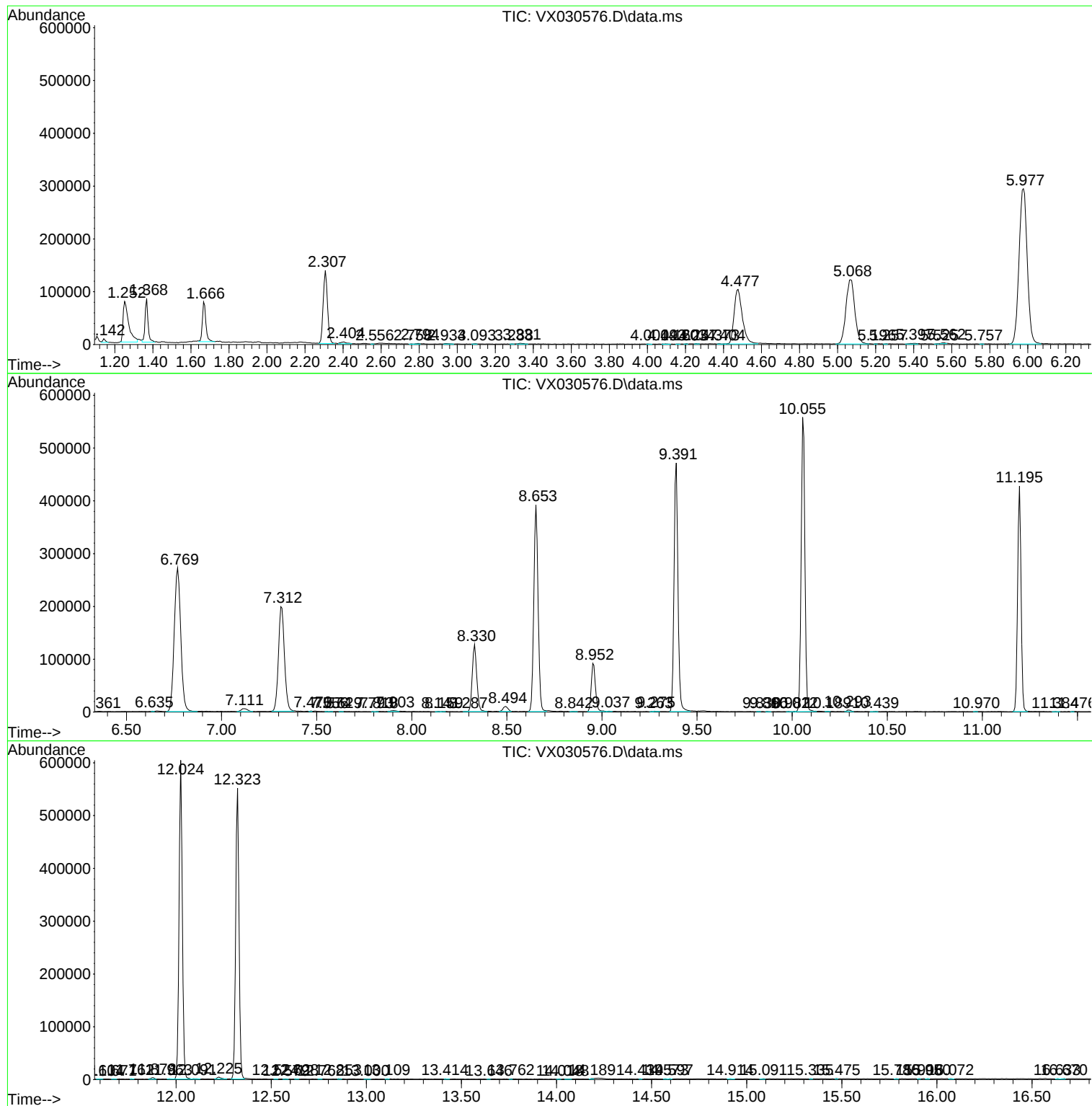
Sum of corrected areas: 7648664

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ALS Vial : 14 Sample Multiplier: 1

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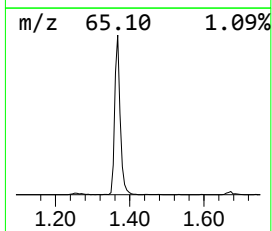
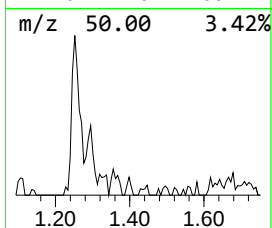
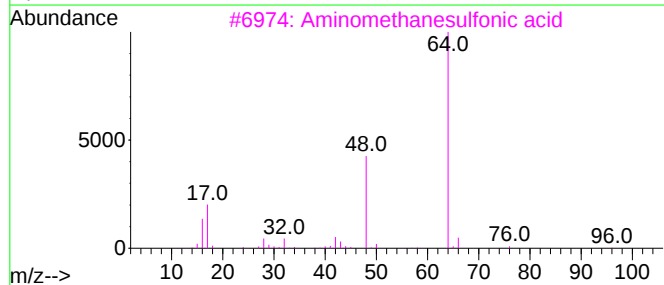
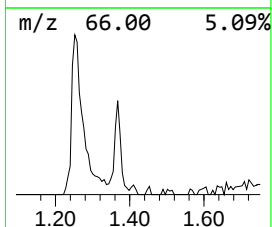
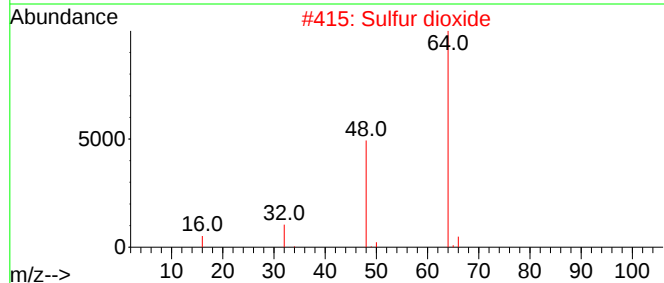
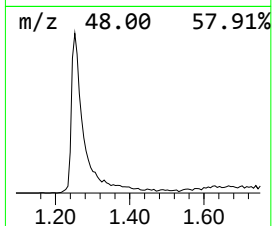
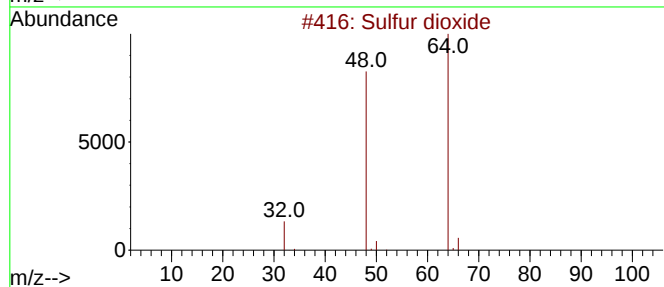
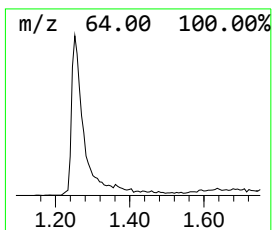
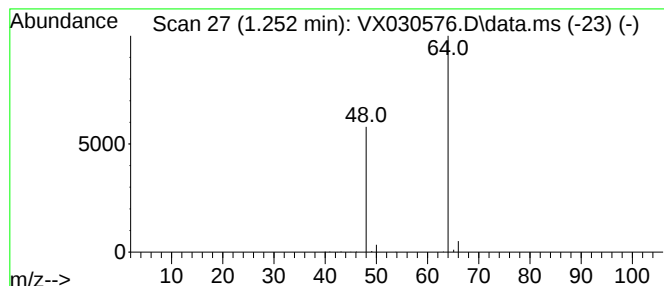
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML080422WMA.M  
Quant Title : VOC Analysis

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

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

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 1.252 | 12.06 ug/L | 155110 | 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 | 74   |
| 4    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 25   |
| 5    |    |   | L-Alanine, 3-sulfo-       | 169 | C3H7NO5S | 000498-40-8 | 9    |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| Sulfur dioxide   | 1.252 | 12.1    | ug/L  | 155110   | 1                     | 6.769 | 643101 | 50.0 |