

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081122\  
 Data File : VX030573.D  
 Acq On : 11 Aug 2022 15:06  
 Operator : JC/MD  
 Sample : N4076-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DBUU6

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: VX030573.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         | 1.124       | 3             | 6           | 7            | rBV      | 5627           | 5152          | 0.13%           | 0.040%        |
| 2         | 1.252       | 23            | 27          | 31           | rBV      | 117202         | 185002        | 4.69%           | 1.430%        |
| 3         | 1.367       | 43            | 46          | 54           | rVB      | 120039         | 128172        | 3.25%           | 0.991%        |
| 4         | 1.666       | 92            | 95          | 103          | rVB      | 96748          | 129382        | 3.28%           | 1.000%        |
| 5         | 2.306       | 194           | 200         | 210          | rVB      | 192630         | 308745        | 7.83%           | 2.387%        |
| 6         | 2.392       | 212           | 214         | 220          | rVB5     | 2215           | 4023          | 0.10%           | 0.031%        |
| 7         | 2.514       | 231           | 234         | 238          | rBV3     | 1844           | 3031          | 0.08%           | 0.023%        |
| 8         | 3.093       | 322           | 329         | 344          | rVB      | 396775         | 765639        | 19.43%          | 5.920%        |
| 9         | 3.587       | 408           | 410         | 411          | rBV      | 728            | 642           | 0.02%           | 0.005%        |
| 10        | 3.806       | 442           | 446         | 448          | rVB3     | 380            | 556           | 0.01%           | 0.004%        |
| 11        | 4.056       | 485           | 487         | 489          | rBV2     | 427            | 383           | 0.01%           | 0.003%        |
| 12        | 4.190       | 505           | 509         | 510          | rBV2     | 593            | 710           | 0.02%           | 0.005%        |
| 13        | 4.495       | 547           | 559         | 575          | rBV2     | 1431463        | 3940734       | 100.00%         | 30.470%       |
| 14        | 5.068       | 641           | 653         | 669          | rBV      | 150659         | 442818        | 11.24%          | 3.424%        |
| 15        | 5.324       | 692           | 695         | 697          | rVB2     | 816            | 823           | 0.02%           | 0.006%        |
| 16        | 5.348       | 697           | 699         | 701          | rBV2     | 918            | 757           | 0.02%           | 0.006%        |
| 17        | 5.641       | 746           | 747         | 749          | rVB      | 810            | 424           | 0.01%           | 0.003%        |
| 18        | 5.665       | 749           | 751         | 756          | rBV3     | 925            | 971           | 0.02%           | 0.008%        |
| 19        | 5.708       | 756           | 758         | 761          | rVV3     | 660            | 642           | 0.02%           | 0.005%        |
| 20        | 5.976       | 789           | 802         | 822          | rBV2     | 366109         | 1093187       | 27.74%          | 8.453%        |
| 21        | 6.226       | 842           | 843         | 845          | rBV      | 588            | 417           | 0.01%           | 0.003%        |
| 22        | 6.562       | 891           | 898         | 901          | rBV6     | 603            | 1032          | 0.03%           | 0.008%        |
| 23        | 6.769       | 922           | 932         | 946          | rBV      | 266472         | 625909        | 15.88%          | 4.840%        |
| 24        | 7.025       | 972           | 974         | 977          | rVB3     | 578            | 436           | 0.01%           | 0.003%        |
| 25        | 7.049       | 977           | 978         | 980          | rBV2     | 529            | 553           | 0.01%           | 0.004%        |
| 26        | 7.122       | 983           | 990         | 999          | rVV9     | 5467           | 16103         | 0.41%           | 0.125%        |
| 27        | 7.190       | 999           | 1001        | 1004         | rVB4     | 584            | 564           | 0.01%           | 0.004%        |
| 28        | 7.311       | 1012          | 1021        | 1033         | rBV      | 234180         | 513501        | 13.03%          | 3.970%        |
| 29        | 7.494       | 1046          | 1051        | 1054         | rBV6     | 1487           | 2667          | 0.07%           | 0.021%        |
| 30        | 7.933       | 1118          | 1123        | 1124         | rBV3     | 955            | 1084          | 0.03%           | 0.008%        |
| 31        | 8.025       | 1136          | 1138        | 1140         | rBV      | 357            | 409           | 0.01%           | 0.003%        |
| 32        | 8.153       | 1156          | 1159        | 1160         | rBV2     | 481            | 496           | 0.01%           | 0.004%        |
| 33        | 8.256       | 1174          | 1176        | 1177         | rBV2     | 567            | 551           | 0.01%           | 0.004%        |
| 34        | 8.330       | 1182          | 1188        | 1199         | rBV      | 154963         | 256095        | 6.50%           | 1.980%        |
| 35        | 8.482       | 1211          | 1213        | 1221         | rVB5     | 972            | 1748          | 0.04%           | 0.014%        |
| 36        | 8.537       | 1221          | 1222        | 1225         | rBV3     | 677            | 655           | 0.02%           | 0.005%        |

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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

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 8.592  | 1229 | 1231 | 1233 | rBV2 | 690    | 472    | 0.01%  | 0.004% |
| 38 | 8.653  | 1234 | 1241 | 1251 | rBV  | 521698 | 817281 | 20.74% | 6.319% |
| 39 | 8.848  | 1271 | 1273 | 1274 | rBV2 | 702    | 627    | 0.02%  | 0.005% |
| 40 | 8.951  | 1284 | 1290 | 1299 | rBV  | 114631 | 171241 | 4.35%  | 1.324% |
| 41 | 9.061  | 1306 | 1308 | 1312 | rBV4 | 751    | 746    | 0.02%  | 0.006% |
| 42 | 9.110  | 1314 | 1316 | 1317 | rBV  | 630    | 445    | 0.01%  | 0.003% |
| 43 | 9.183  | 1326 | 1328 | 1331 | rVB3 | 1162   | 983    | 0.02%  | 0.008% |
| 44 | 9.244  | 1334 | 1338 | 1345 | rBV3 | 3549   | 6718   | 0.17%  | 0.052% |
| 45 | 9.390  | 1356 | 1362 | 1376 | rBV  | 479738 | 661347 | 16.78% | 5.114% |
| 46 | 9.652  | 1402 | 1405 | 1406 | rBV2 | 744    | 738    | 0.02%  | 0.006% |
| 47 | 9.701  | 1411 | 1413 | 1419 | rVB3 | 647    | 767    | 0.02%  | 0.006% |
| 48 | 9.750  | 1419 | 1421 | 1425 | rBV3 | 556    | 925    | 0.02%  | 0.007% |
| 49 | 9.970  | 1453 | 1457 | 1459 | rBV4 | 428    | 539    | 0.01%  | 0.004% |
| 50 | 10.012 | 1459 | 1464 | 1465 | rBV4 | 893    | 973    | 0.02%  | 0.008% |
| 51 | 10.055 | 1466 | 1471 | 1484 | rVV  | 543243 | 739314 | 18.76% | 5.717% |
| 52 | 10.262 | 1503 | 1505 | 1508 | rVB2 | 759    | 656    | 0.02%  | 0.005% |
| 53 | 10.305 | 1508 | 1512 | 1514 | rBV4 | 550    | 700    | 0.02%  | 0.005% |
| 54 | 10.329 | 1514 | 1516 | 1518 | rBV2 | 479    | 512    | 0.01%  | 0.004% |
| 55 | 10.378 | 1519 | 1524 | 1529 | rVV2 | 16321  | 22206  | 0.56%  | 0.172% |
| 56 | 10.640 | 1565 | 1567 | 1568 | rBV2 | 590    | 601    | 0.02%  | 0.005% |
| 57 | 10.689 | 1573 | 1575 | 1578 | rVB3 | 485    | 488    | 0.01%  | 0.004% |
| 58 | 10.793 | 1591 | 1592 | 1595 | rBV2 | 418    | 414    | 0.01%  | 0.003% |
| 59 | 11.024 | 1623 | 1630 | 1635 | rBV4 | 992    | 2228   | 0.06%  | 0.017% |
| 60 | 11.195 | 1652 | 1658 | 1666 | rBV  | 431767 | 552460 | 14.02% | 4.272% |
| 61 | 11.384 | 1685 | 1689 | 1690 | rBV3 | 770    | 890    | 0.02%  | 0.007% |
| 62 | 11.549 | 1713 | 1716 | 1717 | rBV3 | 318    | 385    | 0.01%  | 0.003% |
| 63 | 11.701 | 1737 | 1741 | 1749 | rVB4 | 2851   | 4327   | 0.11%  | 0.033% |
| 64 | 11.768 | 1749 | 1752 | 1756 | rBV4 | 1378   | 1874   | 0.05%  | 0.014% |
| 65 | 11.884 | 1768 | 1771 | 1780 | rVB4 | 3430   | 6013   | 0.15%  | 0.046% |
| 66 | 11.981 | 1782 | 1787 | 1789 | rBV4 | 766    | 1113   | 0.03%  | 0.009% |
| 67 | 12.024 | 1789 | 1794 | 1803 | rBV  | 603965 | 706180 | 17.92% | 5.460% |
| 68 | 12.146 | 1812 | 1814 | 1817 | rVB3 | 931    | 898    | 0.02%  | 0.007% |
| 69 | 12.225 | 1823 | 1827 | 1829 | rBV2 | 1061   | 1290   | 0.03%  | 0.010% |
| 70 | 12.323 | 1837 | 1843 | 1851 | rBV  | 614699 | 766415 | 19.45% | 5.926% |
| 71 | 12.573 | 1882 | 1884 | 1885 | rBV  | 1033   | 754    | 0.02%  | 0.006% |
| 72 | 12.609 | 1888 | 1890 | 1893 | rVV4 | 412    | 465    | 0.01%  | 0.004% |
| 73 | 12.865 | 1929 | 1932 | 1934 | rBV2 | 863    | 841    | 0.02%  | 0.007% |
| 74 | 12.969 | 1947 | 1949 | 1951 | rBV3 | 544    | 597    | 0.02%  | 0.005% |
| 75 | 13.048 | 1961 | 1962 | 1969 | rVB2 | 672    | 1038   | 0.03%  | 0.008% |
| 76 | 13.121 | 1969 | 1974 | 1976 | rBV4 | 1076   | 1762   | 0.04%  | 0.014% |

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Integration Parameters: LSCINT.P

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Max Peaks: 100

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Peak Location: TOP

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

|     |        |      |      |      |      |      |      |       |        |
|-----|--------|------|------|------|------|------|------|-------|--------|
| 77  | 13.182 | 1980 | 1984 | 1985 | rBV3 | 654  | 887  | 0.02% | 0.007% |
| 78  | 13.487 | 2031 | 2034 | 2035 | rBV  | 393  | 458  | 0.01% | 0.004% |
| 79  | 13.591 | 2047 | 2051 | 2056 | rBV3 | 814  | 1448 | 0.04% | 0.011% |
| 80  | 13.652 | 2059 | 2061 | 2062 | rBV2 | 488  | 452  | 0.01% | 0.003% |
| 81  | 13.731 | 2072 | 2074 | 2076 | rVB  | 565  | 377  | 0.01% | 0.003% |
| 82  | 13.768 | 2079 | 2080 | 2081 | rBV  | 621  | 432  | 0.01% | 0.003% |
| 83  | 13.957 | 2107 | 2111 | 2113 | rBV2 | 511  | 605  | 0.02% | 0.005% |
| 84  | 13.993 | 2113 | 2117 | 2119 | rVB2 | 472  | 608  | 0.02% | 0.005% |
| 85  | 14.030 | 2119 | 2123 | 2125 | rBV3 | 705  | 968  | 0.02% | 0.007% |
| 86  | 14.243 | 2156 | 2158 | 2164 | rVB5 | 951  | 1359 | 0.03% | 0.011% |
| 87  | 14.298 | 2165 | 2167 | 2172 | rVB3 | 858  | 834  | 0.02% | 0.006% |
| 88  | 14.335 | 2172 | 2173 | 2175 | rBV2 | 428  | 392  | 0.01% | 0.003% |
| 89  | 14.463 | 2192 | 2194 | 2195 | rVB  | 924  | 517  | 0.01% | 0.004% |
| 90  | 14.603 | 2215 | 2217 | 2219 | rBV2 | 517  | 439  | 0.01% | 0.003% |
| 91  | 14.767 | 2243 | 2244 | 2245 | rBV  | 786  | 398  | 0.01% | 0.003% |
| 92  | 14.804 | 2248 | 2250 | 2252 | rBV3 | 828  | 1014 | 0.03% | 0.008% |
| 93  | 14.877 | 2260 | 2262 | 2265 | rBV3 | 477  | 505  | 0.01% | 0.004% |
| 94  | 15.042 | 2287 | 2289 | 2290 | rBV  | 692  | 499  | 0.01% | 0.004% |
| 95  | 15.219 | 2316 | 2318 | 2321 | rBV3 | 626  | 804  | 0.02% | 0.006% |
| 96  | 15.597 | 2377 | 2380 | 2387 | rVB5 | 3291 | 4825 | 0.12% | 0.037% |
| 97  | 16.096 | 2460 | 2462 | 2465 | rBV3 | 626  | 604  | 0.02% | 0.005% |
| 98  | 16.420 | 2513 | 2515 | 2518 | rBV2 | 713  | 698  | 0.02% | 0.005% |
| 99  | 16.474 | 2522 | 2524 | 2528 | rBV4 | 649  | 843  | 0.02% | 0.007% |
| 100 | 16.511 | 2528 | 2530 | 2534 | rBV3 | 719  | 747  | 0.02% | 0.006% |

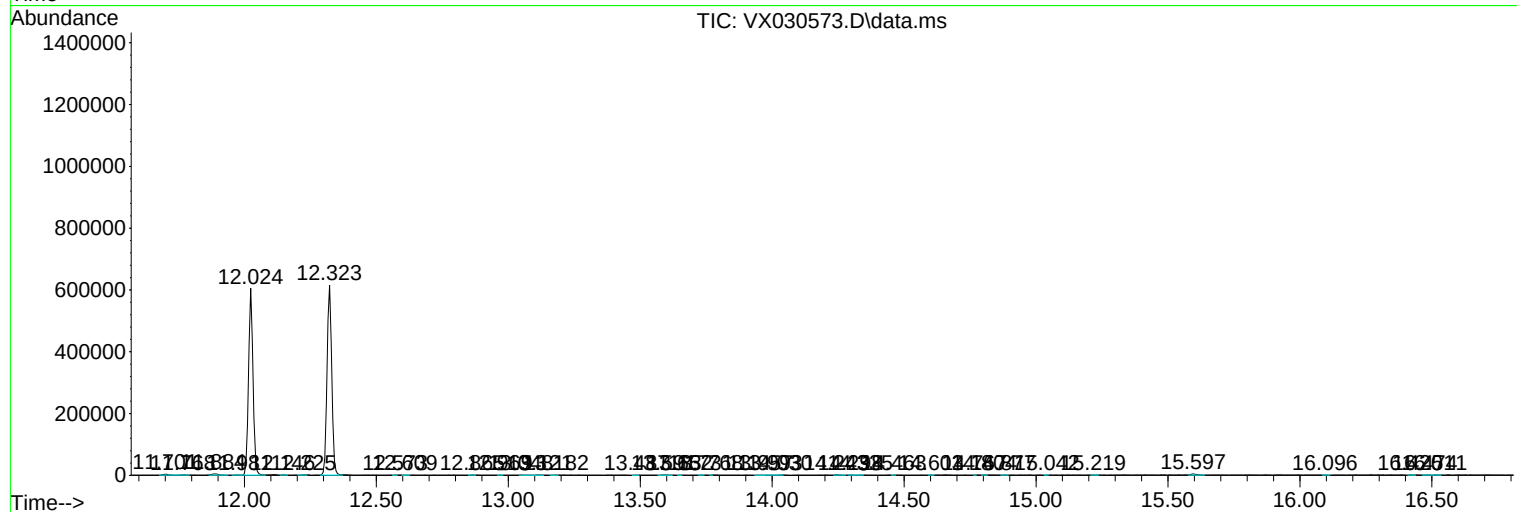
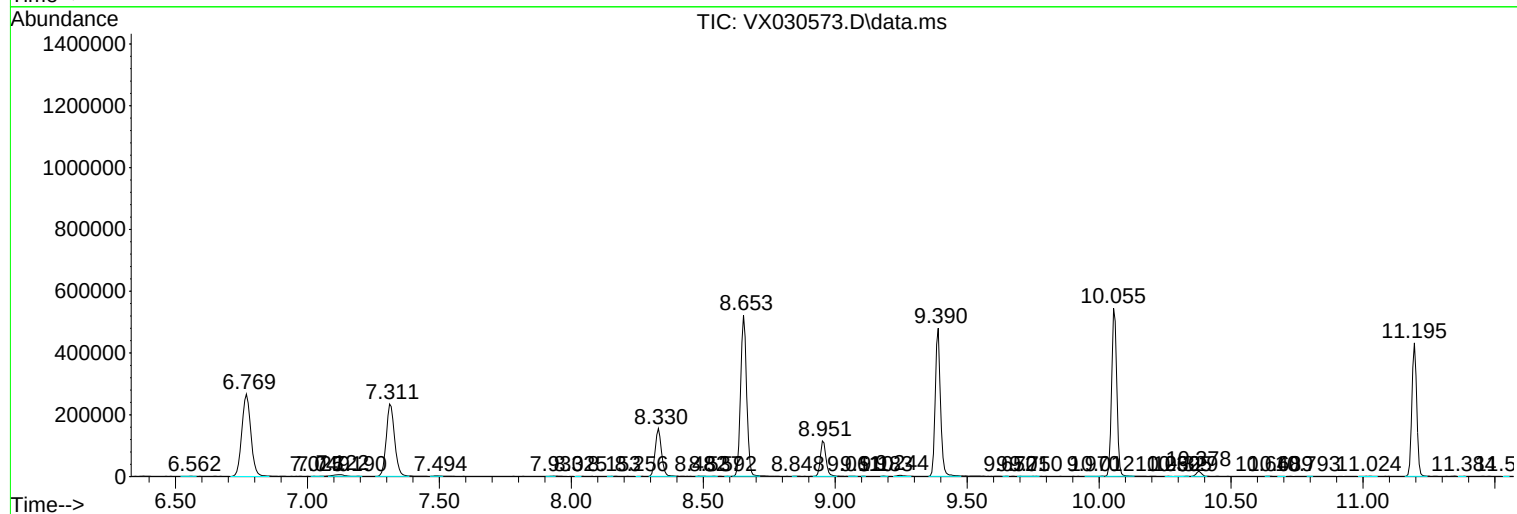
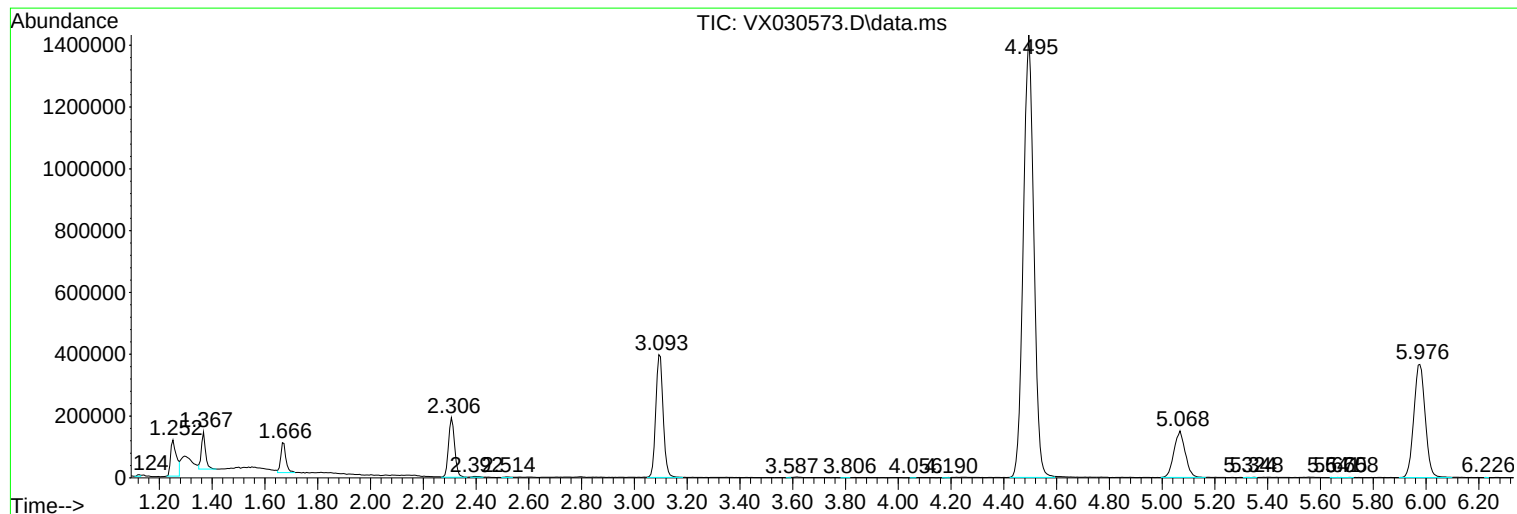
Sum of corrected areas: 12932949

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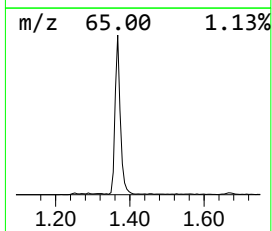
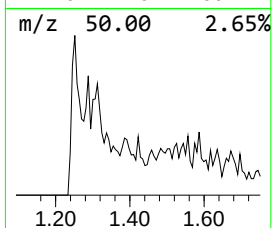
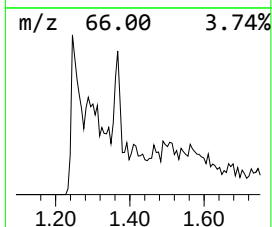
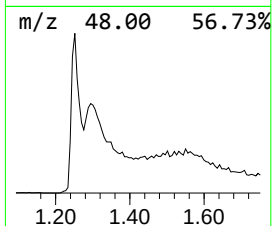
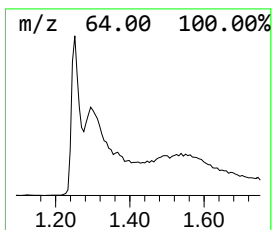
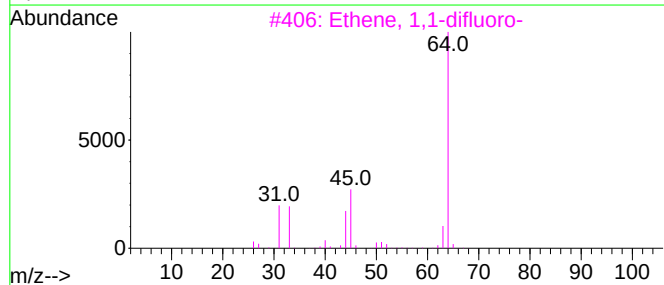
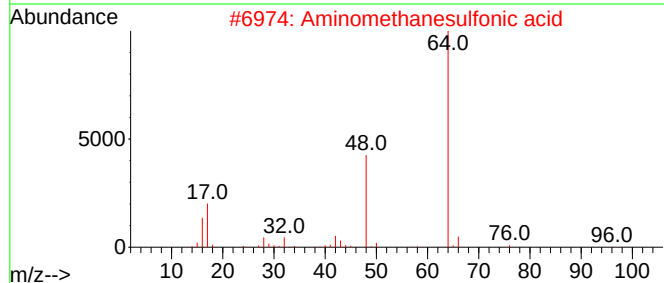
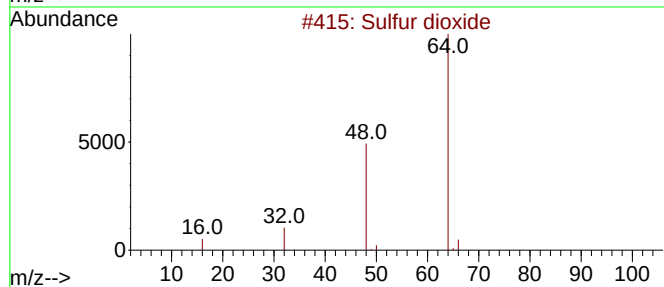
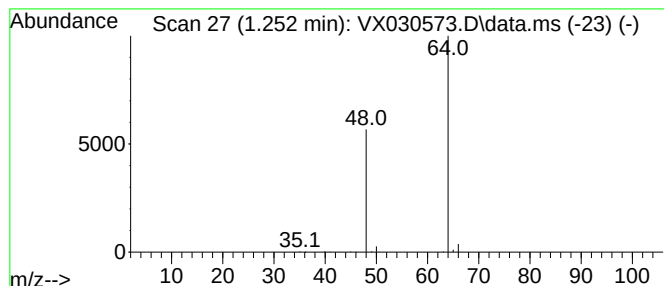
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Sulfur dioxide Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 1.252 | 14.78 ug/L | 185002 | 1,4-Difluorobenzene | 6.769 |

| 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 | 9    |
| 3    |    |   | Ethene, 1,1-difluoro-     | 64  | C2H2F2   | 000075-38-7 | 4    |
| 4    |    |   | L-Alanine, 3-sulfo-       | 169 | C3H7NO5S | 000498-40-8 | 4    |
| 5    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 4    |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| Sulfur dioxide   | 1.252 | 14.8    | ug/L  | 185002   | 1                     | 6.769 | 625909 | 50.0 |