

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081022\  
 Data File : VX030550.D  
 Acq On : 10 Aug 2022 14:23  
 Operator : JC/MD  
 Sample : N4076-04DL 5X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DBUU0DL

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: VX030550.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      | 5589           | 4610          | 0.35%           | 0.045%        |
| 2         | 1.246       | 23            | 26          | 31           | rBV      | 178103         | 277873        | 21.18%          | 2.686%        |
| 3         | 1.367       | 43            | 46          | 52           | rVB      | 168643         | 169712        | 12.94%          | 1.641%        |
| 4         | 1.666       | 92            | 95          | 104          | rVB      | 126960         | 157379        | 12.00%          | 1.521%        |
| 5         | 2.306       | 194           | 200         | 210          | rVB      | 254161         | 400365        | 30.52%          | 3.870%        |
| 6         | 2.508       | 231           | 233         | 234          | rBV2     | 1289           | 1115          | 0.08%           | 0.011%        |
| 7         | 2.946       | 300           | 305         | 312          | rVB      | 14335          | 31059         | 2.37%           | 0.300%        |
| 8         | 3.093       | 323           | 329         | 338          | rVB2     | 34861          | 66369         | 5.06%           | 0.642%        |
| 9         | 3.221       | 348           | 350         | 352          | rBV3     | 742            | 801           | 0.06%           | 0.008%        |
| 10        | 3.556       | 403           | 405         | 407          | rVB2     | 364            | 281           | 0.02%           | 0.003%        |
| 11        | 3.593       | 409           | 411         | 412          | rBV2     | 1160           | 981           | 0.07%           | 0.009%        |
| 12        | 3.611       | 412           | 414         | 415          | rBV      | 1094           | 752           | 0.06%           | 0.007%        |
| 13        | 3.751       | 435           | 437         | 440          | rVB3     | 426            | 500           | 0.04%           | 0.005%        |
| 14        | 3.782       | 440           | 442         | 443          | rBV2     | 489            | 338           | 0.03%           | 0.003%        |
| 15        | 3.800       | 443           | 445         | 446          | rBV2     | 353            | 292           | 0.02%           | 0.003%        |
| 16        | 3.965       | 468           | 472         | 474          | rVB3     | 301            | 318           | 0.02%           | 0.003%        |
| 17        | 3.983       | 474           | 475         | 479          | rBV3     | 392            | 437           | 0.03%           | 0.004%        |
| 18        | 4.019       | 479           | 481         | 483          | rVB2     | 592            | 530           | 0.04%           | 0.005%        |
| 19        | 4.062       | 486           | 488         | 489          | rBV2     | 512            | 297           | 0.02%           | 0.003%        |
| 20        | 4.172       | 503           | 506         | 507          | rBV      | 668            | 481           | 0.04%           | 0.005%        |
| 21        | 4.233       | 515           | 516         | 517          | rBV      | 744            | 380           | 0.03%           | 0.004%        |
| 22        | 4.489       | 547           | 558         | 571          | rBV3     | 226291         | 722951        | 55.11%          | 6.989%        |
| 23        | 5.068       | 641           | 653         | 668          | rBV      | 177592         | 538646        | 41.06%          | 5.207%        |
| 24        | 5.373       | 701           | 703         | 704          | rBV      | 634            | 410           | 0.03%           | 0.004%        |
| 25        | 5.623       | 742           | 744         | 745          | rBV      | 517            | 365           | 0.03%           | 0.004%        |
| 26        | 5.976       | 790           | 802         | 819          | rBV2     | 447132         | 1311892       | 100.00%         | 12.682%       |
| 27        | 6.324       | 858           | 859         | 861          | rBV2     | 415            | 302           | 0.02%           | 0.003%        |
| 28        | 6.476       | 883           | 884         | 886          | rBV2     | 543            | 455           | 0.03%           | 0.004%        |
| 29        | 6.574       | 896           | 900         | 901          | rBV3     | 645            | 671           | 0.05%           | 0.006%        |
| 30        | 6.677       | 915           | 917         | 919          | rBV3     | 522            | 453           | 0.03%           | 0.004%        |
| 31        | 6.769       | 922           | 932         | 950          | rVV      | 286706         | 671763        | 51.21%          | 6.494%        |
| 32        | 7.043       | 975           | 977         | 979          | rBV2     | 532            | 437           | 0.03%           | 0.004%        |
| 33        | 7.123       | 983           | 990         | 998          | rVB9     | 5680           | 14740         | 1.12%           | 0.142%        |
| 34        | 7.312       | 1013          | 1021        | 1035         | rVB      | 280338         | 610551        | 46.54%          | 5.902%        |
| 35        | 7.464       | 1043          | 1046        | 1047         | rBV2     | 1125           | 928           | 0.07%           | 0.009%        |
| 36        | 7.598       | 1066          | 1068        | 1070         | rBV2     | 381            | 390           | 0.03%           | 0.004%        |

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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\SFAMXMLM080422WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 37 | 7.641  | 1073 | 1075 | 1077 | rBV2 | 577    | 502     | 0.04%  | 0.005% |
| 38 | 7.885  | 1113 | 1115 | 1119 | rBV3 | 522    | 746     | 0.06%  | 0.007% |
| 39 | 7.921  | 1119 | 1121 | 1123 | rBV  | 391    | 403     | 0.03%  | 0.004% |
| 40 | 8.116  | 1150 | 1153 | 1154 | rBV  | 466    | 377     | 0.03%  | 0.004% |
| 41 | 8.250  | 1174 | 1175 | 1176 | rBV  | 681    | 283     | 0.02%  | 0.003% |
| 42 | 8.330  | 1182 | 1188 | 1197 | rBV  | 185582 | 304965  | 23.25% | 2.948% |
| 43 | 8.653  | 1234 | 1241 | 1256 | rBV  | 661048 | 1024389 | 78.08% | 9.903% |
| 44 | 8.951  | 1284 | 1290 | 1303 | rBV  | 134422 | 203036  | 15.48% | 1.963% |
| 45 | 9.244  | 1332 | 1338 | 1341 | rBV  | 3077   | 4778    | 0.36%  | 0.046% |
| 46 | 9.390  | 1356 | 1362 | 1373 | rBV  | 538469 | 733011  | 55.87% | 7.086% |
| 47 | 9.811  | 1428 | 1431 | 1434 | rBV4 | 471    | 663     | 0.05%  | 0.006% |
| 48 | 9.872  | 1439 | 1441 | 1442 | rBV  | 520    | 301     | 0.02%  | 0.003% |
| 49 | 9.909  | 1445 | 1447 | 1450 | rBV2 | 287    | 330     | 0.03%  | 0.003% |
| 50 | 9.976  | 1456 | 1458 | 1463 | rBV3 | 514    | 873     | 0.07%  | 0.008% |
| 51 | 10.055 | 1466 | 1471 | 1480 | rVV  | 580324 | 758230  | 57.80% | 7.330% |
| 52 | 10.299 | 1509 | 1511 | 1512 | rBV2 | 395    | 348     | 0.03%  | 0.003% |
| 53 | 10.335 | 1516 | 1517 | 1519 | rVV2 | 729    | 485     | 0.04%  | 0.005% |
| 54 | 10.378 | 1520 | 1524 | 1530 | rVV2 | 5087   | 6982    | 0.53%  | 0.067% |
| 55 | 10.463 | 1535 | 1538 | 1539 | rBV2 | 717    | 647     | 0.05%  | 0.006% |
| 56 | 10.518 | 1546 | 1547 | 1549 | rBV2 | 590    | 547     | 0.04%  | 0.005% |
| 57 | 10.598 | 1558 | 1560 | 1562 | rBV  | 639    | 454     | 0.03%  | 0.004% |
| 58 | 10.732 | 1581 | 1582 | 1584 | rBV2 | 835    | 504     | 0.04%  | 0.005% |
| 59 | 10.780 | 1586 | 1590 | 1592 | rVB4 | 518    | 688     | 0.05%  | 0.007% |
| 60 | 10.811 | 1592 | 1595 | 1596 | rBV2 | 346    | 409     | 0.03%  | 0.004% |
| 61 | 10.884 | 1605 | 1607 | 1609 | rBV3 | 291    | 359     | 0.03%  | 0.003% |
| 62 | 11.000 | 1624 | 1626 | 1630 | rBV2 | 360    | 386     | 0.03%  | 0.004% |
| 63 | 11.079 | 1637 | 1639 | 1641 | rBV2 | 730    | 658     | 0.05%  | 0.006% |
| 64 | 11.195 | 1652 | 1658 | 1669 | rBV  | 492513 | 635355  | 48.43% | 6.142% |
| 65 | 11.366 | 1685 | 1686 | 1689 | rVB2 | 547    | 398     | 0.03%  | 0.004% |
| 66 | 11.396 | 1689 | 1691 | 1692 | rBV  | 492    | 319     | 0.02%  | 0.003% |
| 67 | 11.451 | 1697 | 1700 | 1701 | rBV  | 480    | 588     | 0.04%  | 0.006% |
| 68 | 11.549 | 1713 | 1716 | 1717 | rBV2 | 400    | 389     | 0.03%  | 0.004% |
| 69 | 11.646 | 1730 | 1732 | 1734 | rBV2 | 674    | 497     | 0.04%  | 0.005% |
| 70 | 11.811 | 1757 | 1759 | 1762 | rVB2 | 433    | 359     | 0.03%  | 0.003% |
| 71 | 11.890 | 1769 | 1772 | 1776 | rBV4 | 689    | 1213    | 0.09%  | 0.012% |
| 72 | 12.024 | 1789 | 1794 | 1802 | rBV  | 598292 | 730675  | 55.70% | 7.063% |
| 73 | 12.152 | 1813 | 1815 | 1817 | rBV2 | 423    | 515     | 0.04%  | 0.005% |
| 74 | 12.219 | 1823 | 1826 | 1831 | rVB5 | 1387   | 2267    | 0.17%  | 0.022% |
| 75 | 12.323 | 1837 | 1843 | 1852 | rBV  | 717798 | 922823  | 70.34% | 8.921% |
| 76 | 12.634 | 1889 | 1894 | 1896 | rVB2 | 426    | 629     | 0.05%  | 0.006% |

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 ClientSampleId :  
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Integration Parameters: LSCINT.P

Integrator: RTE

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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  | 12.707 | 1904 | 1906 | 1908 | rVB  | 425 | 315  | 0.02% | 0.003% |
| 78  | 12.743 | 1908 | 1912 | 1913 | rBV2 | 489 | 449  | 0.03% | 0.004% |
| 79  | 12.902 | 1935 | 1938 | 1940 | rBV2 | 464 | 577  | 0.04% | 0.006% |
| 80  | 12.975 | 1944 | 1950 | 1952 | rBV3 | 525 | 853  | 0.07% | 0.008% |
| 81  | 13.237 | 1991 | 1993 | 1995 | rVB2 | 540 | 290  | 0.02% | 0.003% |
| 82  | 13.353 | 2011 | 2012 | 2015 | rBV2 | 455 | 359  | 0.03% | 0.003% |
| 83  | 13.542 | 2042 | 2043 | 2046 | rVV2 | 469 | 387  | 0.03% | 0.004% |
| 84  | 13.591 | 2049 | 2051 | 2053 | rVB3 | 468 | 390  | 0.03% | 0.004% |
| 85  | 13.737 | 2074 | 2075 | 2078 | rVB3 | 529 | 320  | 0.02% | 0.003% |
| 86  | 13.780 | 2080 | 2082 | 2087 | rBV4 | 760 | 890  | 0.07% | 0.009% |
| 87  | 13.853 | 2092 | 2094 | 2097 | rVB3 | 499 | 437  | 0.03% | 0.004% |
| 88  | 13.993 | 2115 | 2117 | 2118 | rBV  | 421 | 307  | 0.02% | 0.003% |
| 89  | 14.042 | 2123 | 2125 | 2127 | rVB2 | 493 | 343  | 0.03% | 0.003% |
| 90  | 14.310 | 2167 | 2169 | 2170 | rBV2 | 780 | 673  | 0.05% | 0.007% |
| 91  | 14.463 | 2193 | 2194 | 2196 | rBV2 | 658 | 384  | 0.03% | 0.004% |
| 92  | 14.707 | 2232 | 2234 | 2237 | rBV4 | 569 | 640  | 0.05% | 0.006% |
| 93  | 14.816 | 2249 | 2252 | 2253 | rBV2 | 480 | 492  | 0.04% | 0.005% |
| 94  | 15.310 | 2331 | 2333 | 2337 | rBV4 | 870 | 875  | 0.07% | 0.008% |
| 95  | 15.371 | 2341 | 2343 | 2344 | rBV2 | 585 | 292  | 0.02% | 0.003% |
| 96  | 15.499 | 2360 | 2364 | 2366 | rBV4 | 608 | 871  | 0.07% | 0.008% |
| 97  | 15.859 | 2421 | 2423 | 2426 | rVB3 | 888 | 679  | 0.05% | 0.007% |
| 98  | 15.999 | 2443 | 2446 | 2449 | rBV4 | 804 | 1206 | 0.09% | 0.012% |
| 99  | 16.103 | 2462 | 2463 | 2465 | rBV  | 799 | 695  | 0.05% | 0.007% |
| 100 | 16.718 | 2562 | 2564 | 2567 | rVB3 | 743 | 448  | 0.03% | 0.004% |

Sum of corrected areas: 10344377



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Instrument :  
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DBUU0DL

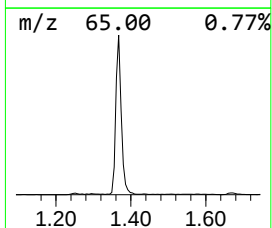
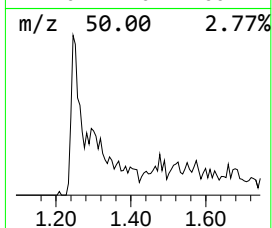
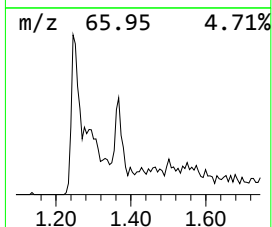
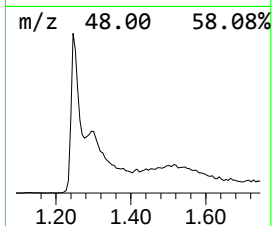
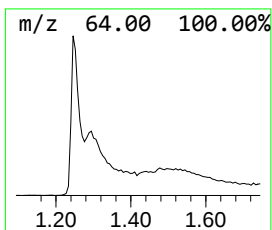
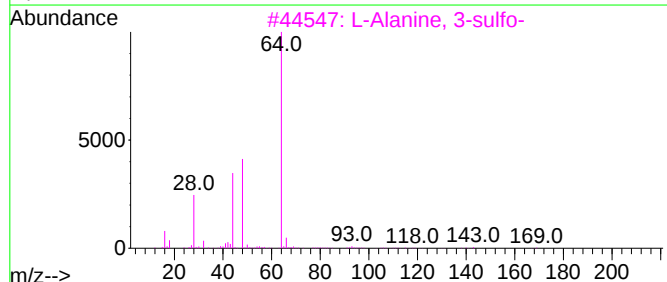
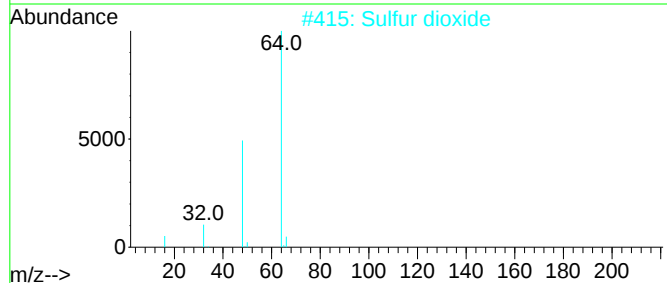
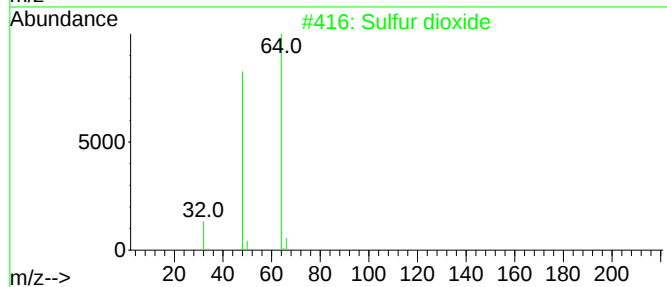
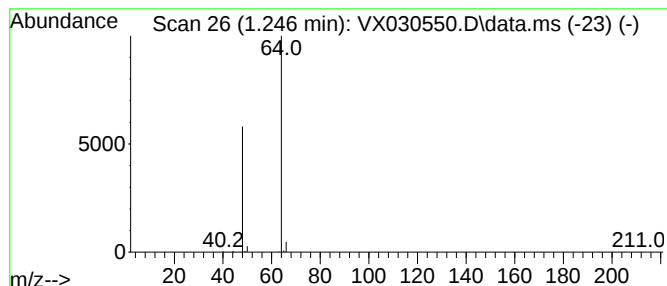
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML080422WMA.M  
Quant Title : VOC Analysis

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.  |
|-------|------------|--------|---------------------|-------|
| 1.246 | 20.68 ug/L | 277873 | 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    |    |   | L-Alanine, 3-sulfo-       | 169 | C3H7NO5S | 000498-40-8 | 9    |
| 4    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 9    |
| 5    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 9    |



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Quant Title : VOC Analysis

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

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| Sulfur dioxide   | 1.246 | 20.7    | ug/L  | 277873   | 1                     | 6.769 | 671763 | 50.0 |