

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111124\  
 Data File : VX043779.D  
 Acq On : 11 Nov 2024 10:08  
 Operator : JC/MD  
 Sample : VX1111WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

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\SFAMXLM110424WMA.M

Title : VOC Analysis

Signal : TIC: VX043779.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         | 1.240       | 22            | 25          | 27           | rBV      | 5502           | 5797          | 0.52%           | 0.068%        |
| 2         | 1.368       | 43            | 46          | 58           | rBV      | 110522         | 137447        | 12.32%          | 1.617%        |
| 3         | 1.642       | 88            | 91          | 102          | rVB      | 73848          | 110357        | 9.89%           | 1.298%        |
| 4         | 2.294       | 192           | 198         | 211          | rVB      | 228738         | 361134        | 32.38%          | 4.249%        |
| 5         | 2.678       | 259           | 261         | 264          | rBV2     | 346            | 429           | 0.04%           | 0.005%        |
| 6         | 2.782       | 274           | 278         | 283          | rBV2     | 1912           | 2732          | 0.24%           | 0.032%        |
| 7         | 2.880       | 291           | 294         | 295          | rBV3     | 303            | 373           | 0.03%           | 0.004%        |
| 8         | 2.941       | 297           | 304         | 312          | rVB2     | 3517           | 8371          | 0.75%           | 0.098%        |
| 9         | 3.001       | 312           | 314         | 317          | rVB3     | 444            | 353           | 0.03%           | 0.004%        |
| 10        | 3.105       | 328           | 331         | 332          | rBV      | 545            | 489           | 0.04%           | 0.006%        |
| 11        | 3.233       | 350           | 352         | 354          | rBV2     | 415            | 403           | 0.04%           | 0.005%        |
| 12        | 3.282       | 358           | 360         | 361          | rBV      | 502            | 402           | 0.04%           | 0.005%        |
| 13        | 3.331       | 365           | 368         | 370          | rBV2     | 297            | 315           | 0.03%           | 0.004%        |
| 14        | 3.367       | 370           | 374         | 375          | rVV3     | 349            | 384           | 0.03%           | 0.005%        |
| 15        | 3.428       | 379           | 384         | 392          | rVB5     | 3490           | 8631          | 0.77%           | 0.102%        |
| 16        | 3.514       | 394           | 398         | 399          | rBV2     | 292            | 415           | 0.04%           | 0.005%        |
| 17        | 3.526       | 399           | 400         | 404          | rVB      | 562            | 330           | 0.03%           | 0.004%        |
| 18        | 3.709       | 427           | 430         | 431          | rBV2     | 400            | 355           | 0.03%           | 0.004%        |
| 19        | 3.770       | 437           | 440         | 442          | rVB2     | 441            | 476           | 0.04%           | 0.006%        |
| 20        | 3.794       | 442           | 444         | 445          | rBV      | 491            | 396           | 0.04%           | 0.005%        |
| 21        | 3.879       | 454           | 458         | 461          | rBV2     | 462            | 693           | 0.06%           | 0.008%        |
| 22        | 3.946       | 464           | 469         | 471          | rBV2     | 479            | 787           | 0.07%           | 0.009%        |
| 23        | 4.459       | 544           | 553         | 570          | rBV      | 70060          | 223362        | 20.03%          | 2.628%        |
| 24        | 4.727       | 595           | 597         | 604          | rBV5     | 484            | 552           | 0.05%           | 0.006%        |
| 25        | 5.050       | 636           | 650         | 664          | rBV2     | 145004         | 444587        | 39.86%          | 5.231%        |
| 26        | 5.391       | 697           | 706         | 709          | rBV7     | 1469           | 3878          | 0.35%           | 0.046%        |
| 27        | 5.446       | 714           | 715         | 718          | rBV      | 597            | 463           | 0.04%           | 0.005%        |
| 28        | 5.550       | 727           | 732         | 744          | rVB3     | 1387           | 4056          | 0.36%           | 0.048%        |
| 29        | 5.696       | 754           | 756         | 758          | rBV2     | 329            | 319           | 0.03%           | 0.004%        |
| 30        | 5.958       | 788           | 799         | 821          | rBV3     | 368948         | 1115391       | 100.00%         | 13.123%       |
| 31        | 6.367       | 862           | 866         | 867          | rVV3     | 493            | 635           | 0.06%           | 0.007%        |
| 32        | 6.458       | 880           | 881         | 884          | rBV      | 449            | 390           | 0.03%           | 0.005%        |
| 33        | 6.641       | 908           | 911         | 913          | rBV2     | 487            | 491           | 0.04%           | 0.006%        |
| 34        | 6.757       | 920           | 930         | 944          | rBV      | 298400         | 733380        | 65.75%          | 8.629%        |
| 35        | 7.117       | 984           | 989         | 999          | rVB7     | 2457           | 6654          | 0.60%           | 0.078%        |
| 36        | 7.306       | 1011          | 1020        | 1034         | rBV      | 223330         | 494594        | 44.34%          | 5.819%        |

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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 0 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM110424WMA.M  
Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |         |
|----|--------|------|------|------|------|--------|--------|--------|---------|
| 37 | 7.482  | 1044 | 1049 | 1054 | rVB4 | 932    | 1802   | 0.16%  | 0.021%  |
| 38 | 7.617  | 1068 | 1071 | 1073 | rBV3 | 384    | 447    | 0.04%  | 0.005%  |
| 39 | 7.714  | 1085 | 1087 | 1089 | rVV  | 350    | 322    | 0.03%  | 0.004%  |
| 40 | 7.885  | 1111 | 1115 | 1118 | rVB3 | 415    | 463    | 0.04%  | 0.005%  |
| 41 | 8.013  | 1134 | 1136 | 1139 | rVB  | 643    | 483    | 0.04%  | 0.006%  |
| 42 | 8.049  | 1139 | 1142 | 1143 | rVB  | 635    | 512    | 0.05%  | 0.006%  |
| 43 | 8.068  | 1143 | 1145 | 1147 | rBV  | 462    | 518    | 0.05%  | 0.006%  |
| 44 | 8.177  | 1161 | 1163 | 1166 | rBV  | 410    | 616    | 0.06%  | 0.007%  |
| 45 | 8.324  | 1180 | 1187 | 1199 | rBV  | 148860 | 253768 | 22.75% | 2.986%  |
| 46 | 8.531  | 1217 | 1221 | 1222 | rBV3 | 607    | 507    | 0.05%  | 0.006%  |
| 47 | 8.598  | 1229 | 1232 | 1233 | rBV2 | 386    | 465    | 0.04%  | 0.005%  |
| 48 | 8.647  | 1233 | 1240 | 1257 | rBV  | 569940 | 911533 | 81.72% | 10.725% |
| 49 | 8.952  | 1285 | 1290 | 1303 | rVV  | 104203 | 163036 | 14.62% | 1.918%  |
| 50 | 9.043  | 1303 | 1305 | 1306 | rBV  | 587    | 324    | 0.03%  | 0.004%  |
| 51 | 9.275  | 1341 | 1343 | 1346 | rVB3 | 965    | 799    | 0.07%  | 0.009%  |
| 52 | 9.311  | 1348 | 1349 | 1351 | rVB2 | 510    | 306    | 0.03%  | 0.004%  |
| 53 | 9.384  | 1356 | 1361 | 1380 | rBV  | 327433 | 511704 | 45.88% | 6.020%  |
| 54 | 9.610  | 1396 | 1398 | 1403 | rBV4 | 407    | 484    | 0.04%  | 0.006%  |
| 55 | 9.695  | 1409 | 1412 | 1415 | rBV5 | 1126   | 1550   | 0.14%  | 0.018%  |
| 56 | 10.055 | 1465 | 1471 | 1482 | rBV  | 585148 | 850114 | 76.22% | 10.002% |
| 57 | 10.244 | 1500 | 1502 | 1504 | rBV2 | 700    | 511    | 0.05%  | 0.006%  |
| 58 | 10.311 | 1509 | 1513 | 1515 | rBV4 | 688    | 824    | 0.07%  | 0.010%  |
| 59 | 10.354 | 1518 | 1520 | 1521 | rVB  | 524    | 293    | 0.03%  | 0.003%  |
| 60 | 10.409 | 1527 | 1529 | 1533 | rBV3 | 428    | 571    | 0.05%  | 0.007%  |
| 61 | 10.531 | 1547 | 1549 | 1552 | rVB2 | 564    | 468    | 0.04%  | 0.006%  |
| 62 | 10.567 | 1554 | 1555 | 1558 | rBV2 | 464    | 376    | 0.03%  | 0.004%  |
| 63 | 10.653 | 1567 | 1569 | 1573 | rBV2 | 491    | 413    | 0.04%  | 0.005%  |
| 64 | 10.963 | 1618 | 1620 | 1626 | rVB3 | 675    | 961    | 0.09%  | 0.011%  |
| 65 | 11.067 | 1634 | 1637 | 1640 | rBV3 | 525    | 729    | 0.07%  | 0.009%  |
| 66 | 11.189 | 1652 | 1657 | 1670 | rVV  | 429665 | 564112 | 50.58% | 6.637%  |
| 67 | 11.378 | 1686 | 1688 | 1690 | rBV  | 500    | 389    | 0.03%  | 0.005%  |
| 68 | 11.457 | 1699 | 1701 | 1706 | rVB3 | 510    | 470    | 0.04%  | 0.006%  |
| 69 | 11.573 | 1717 | 1720 | 1722 | rBV2 | 365    | 446    | 0.04%  | 0.005%  |
| 70 | 11.756 | 1747 | 1750 | 1755 | rBV3 | 609    | 809    | 0.07%  | 0.010%  |
| 71 | 11.866 | 1766 | 1768 | 1770 | rBV2 | 338    | 300    | 0.03%  | 0.004%  |
| 72 | 11.975 | 1779 | 1786 | 1788 | rBV3 | 1297   | 1829   | 0.16%  | 0.022%  |
| 73 | 12.018 | 1788 | 1793 | 1808 | rBV  | 582291 | 765818 | 68.66% | 9.010%  |
| 74 | 12.317 | 1837 | 1842 | 1852 | rBV  | 600994 | 774527 | 69.44% | 9.113%  |
| 75 | 12.518 | 1874 | 1875 | 1877 | rBV2 | 838    | 544    | 0.05%  | 0.006%  |
| 76 | 12.689 | 1902 | 1903 | 1905 | rBV  | 462    | 335    | 0.03%  | 0.004%  |

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Sample : VX1111WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Sampling : 1

Start Thrs : 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 0 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML110424WMA.M  
Title : VOC Analysis

|     |        |      |      |      |      |      |      |       |        |
|-----|--------|------|------|------|------|------|------|-------|--------|
| 77  | 12.731 | 1908 | 1910 | 1911 | rBV2 | 380  | 331  | 0.03% | 0.004% |
| 78  | 12.762 | 1911 | 1915 | 1920 | rVB3 | 750  | 1444 | 0.13% | 0.017% |
| 79  | 13.079 | 1964 | 1967 | 1969 | rBV2 | 357  | 312  | 0.03% | 0.004% |
| 80  | 13.152 | 1977 | 1979 | 1981 | rBV3 | 326  | 297  | 0.03% | 0.003% |
| 81  | 13.609 | 2050 | 2054 | 2057 | rVB5 | 673  | 1190 | 0.11% | 0.014% |
| 82  | 13.652 | 2057 | 2061 | 2065 | rBV2 | 505  | 823  | 0.07% | 0.010% |
| 83  | 13.719 | 2071 | 2072 | 2075 | rVB2 | 502  | 366  | 0.03% | 0.004% |
| 84  | 13.762 | 2078 | 2079 | 2080 | rBV  | 698  | 333  | 0.03% | 0.004% |
| 85  | 13.786 | 2080 | 2083 | 2087 | rVB4 | 923  | 1210 | 0.11% | 0.014% |
| 86  | 13.817 | 2087 | 2088 | 2090 | rBV2 | 506  | 406  | 0.04% | 0.005% |
| 87  | 14.054 | 2123 | 2127 | 2128 | rBV3 | 405  | 446  | 0.04% | 0.005% |
| 88  | 14.134 | 2136 | 2140 | 2143 | rVB4 | 1515 | 1828 | 0.16% | 0.022% |
| 89  | 14.176 | 2145 | 2147 | 2149 | rVB2 | 494  | 325  | 0.03% | 0.004% |
| 90  | 14.249 | 2157 | 2159 | 2161 | rVB  | 661  | 483  | 0.04% | 0.006% |
| 91  | 14.280 | 2161 | 2164 | 2165 | rBV2 | 447  | 603  | 0.05% | 0.007% |
| 92  | 14.438 | 2188 | 2190 | 2193 | rVB  | 486  | 398  | 0.04% | 0.005% |
| 93  | 14.548 | 2205 | 2208 | 2209 | rBV3 | 407  | 450  | 0.04% | 0.005% |
| 94  | 14.890 | 2262 | 2264 | 2267 | rBV3 | 450  | 520  | 0.05% | 0.006% |
| 95  | 14.920 | 2267 | 2269 | 2271 | rBV2 | 504  | 526  | 0.05% | 0.006% |
| 96  | 15.005 | 2281 | 2283 | 2285 | rBV3 | 477  | 416  | 0.04% | 0.005% |
| 97  | 15.146 | 2304 | 2306 | 2309 | rVB3 | 592  | 634  | 0.06% | 0.007% |
| 98  | 15.255 | 2322 | 2324 | 2329 | rBV3 | 879  | 1049 | 0.09% | 0.012% |
| 99  | 15.359 | 2339 | 2341 | 2342 | rBV  | 587  | 361  | 0.03% | 0.004% |
| 100 | 15.444 | 2353 | 2355 | 2356 | rVB2 | 644  | 336  | 0.03% | 0.004% |

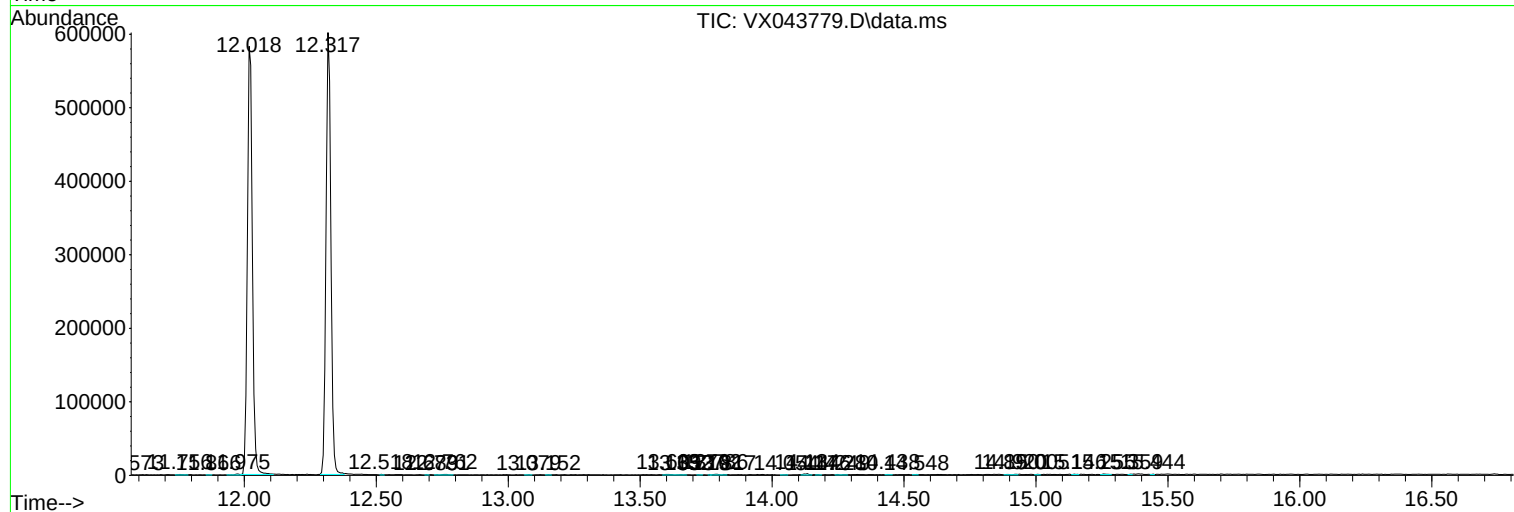
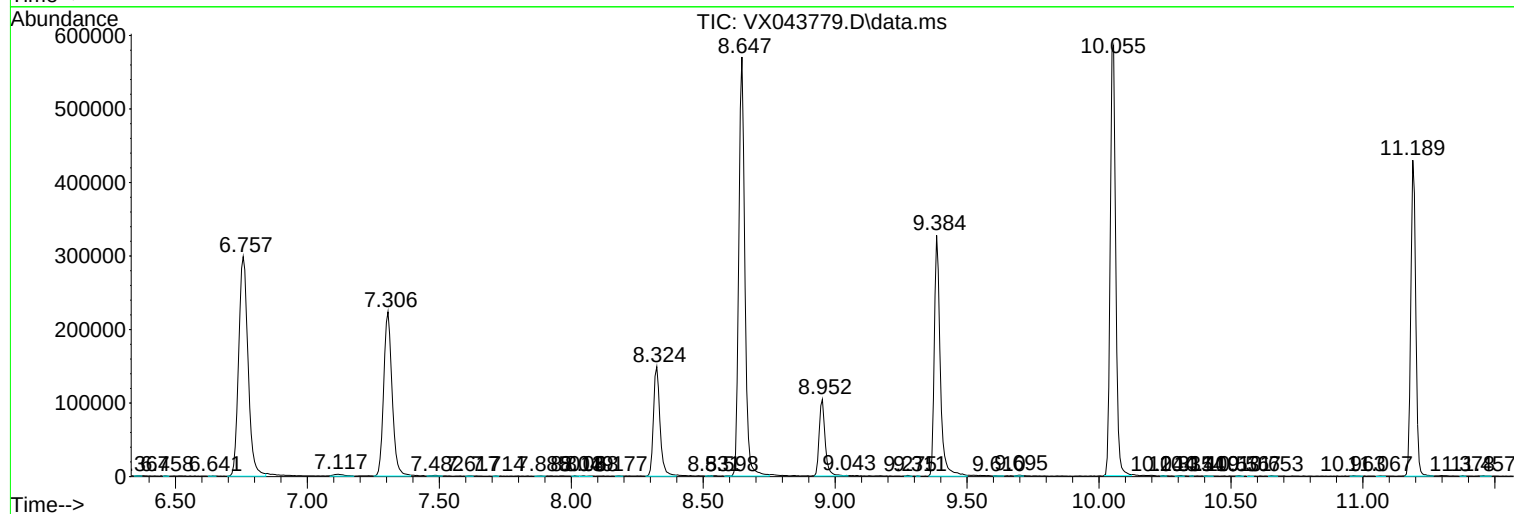
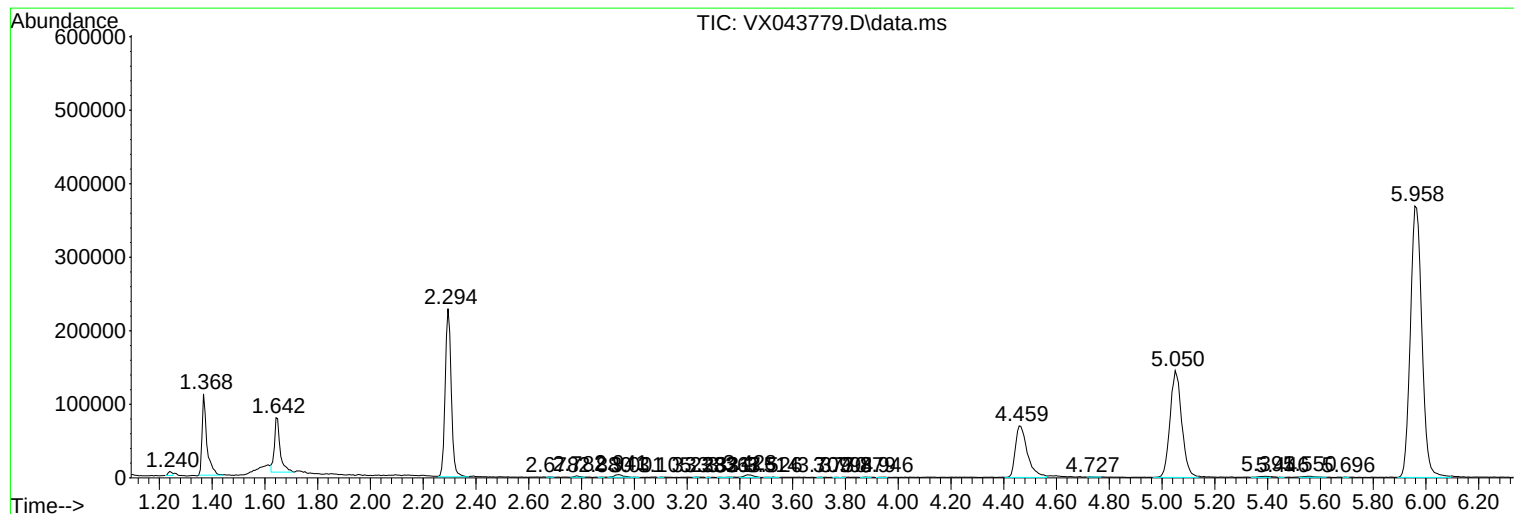
Sum of corrected areas: 8499386

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Instrument :  
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ClientSampleId :

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM110424WMA.M  
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111124\  
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Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML110424WMA.M  
Quant Title : VOC Analysis

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

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Peak Number 1 Thiophosgene Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 8.324 | 17.30 ug/L | 253768 | 1,4-Difluorobenzene | 6.757 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Thiophosgene                        | 114 | CCl2S    | 000463-71-8  | 53   |
| 2    |    |   | 3-Thiatricyclo[3.1.1.0(2,4)]heptane | 112 | C6H8S    | 1000221-37-0 | 32   |
| 3    |    |   | Methane, oxybis[chloro-             | 114 | C2H4Cl2O | 000542-88-1  | 25   |
| 4    |    |   | 2-Propanol, 1,3-dichloro-           | 128 | C3H6Cl2O | 000096-23-1  | 9    |
| 5    |    |   | 2-Propanol, 1,3-dichloro-           | 128 | C3H6Cl2O | 000096-23-1  | 9    |

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Quant Title : VOC Analysis

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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| Thiophosgene     | 8.324 | 17.3    | ug/L  | 253768   | 1                     | 6.757 | 733380 | 50.0 |