

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV011924\  
 Data File : VV033788.D  
 Acq On : 20 Jan 2024 05:32  
 Operator : SY/MD  
 Sample : VIBLK264  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VIBLK264

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\_V\Method\SFAMVLM011024WMA.M  
 Title : VOC Analysis

Signal : TIC: VV033788.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         | 1.169       | 32            | 40          | 52           | rBV      | 66274          | 78100         | 13.56%          | 1.811%        |
| 2         | 1.282       | 68            | 75          | 95           | rBV2     | 79144          | 125925        | 21.86%          | 2.920%        |
| 3         | 1.532       | 146           | 153         | 170          | rVB      | 70701          | 86130         | 14.95%          | 1.997%        |
| 4         | 2.060       | 309           | 317         | 344          | rVB      | 104742         | 160747        | 27.90%          | 3.727%        |
| 5         | 2.182       | 351           | 355         | 360          | rVB3     | 567            | 571           | 0.10%           | 0.013%        |
| 6         | 2.246       | 367           | 375         | 387          | rBV2     | 2694           | 4291          | 0.74%           | 0.099%        |
| 7         | 2.417       | 425           | 428         | 431          | rBV3     | 195            | 144           | 0.02%           | 0.003%        |
| 8         | 2.449       | 431           | 438         | 449          | rVB4     | 3024           | 4776          | 0.83%           | 0.111%        |
| 9         | 2.561       | 467           | 473         | 474          | rBV3     | 507            | 470           | 0.08%           | 0.011%        |
| 10        | 2.700       | 512           | 516         | 518          | rBV3     | 649            | 533           | 0.09%           | 0.012%        |
| 11        | 2.931       | 584           | 588         | 591          | rBV2     | 164            | 133           | 0.02%           | 0.003%        |
| 12        | 3.249       | 684           | 687         | 689          | rBV      | 292            | 150           | 0.03%           | 0.003%        |
| 13        | 3.378       | 724           | 727         | 734          | rBV2     | 162            | 224           | 0.04%           | 0.005%        |
| 14        | 3.426       | 734           | 742         | 745          | rBV2     | 142            | 216           | 0.04%           | 0.005%        |
| 15        | 3.513       | 764           | 769         | 774          | rBV2     | 237            | 334           | 0.06%           | 0.008%        |
| 16        | 3.651       | 809           | 812         | 815          | rVB      | 164            | 140           | 0.02%           | 0.003%        |
| 17        | 3.671       | 815           | 818         | 820          | rBV      | 226            | 178           | 0.03%           | 0.004%        |
| 18        | 3.786       | 845           | 854         | 888          | rBV      | 48422          | 137313        | 23.83%          | 3.184%        |
| 19        | 4.191       | 976           | 980         | 982          | rBV3     | 208            | 204           | 0.04%           | 0.005%        |
| 20        | 4.249       | 982           | 998         | 1028         | rVV      | 93240          | 239251        | 41.53%          | 5.548%        |
| 21        | 4.494       | 1072          | 1074        | 1077         | rVB2     | 246            | 141           | 0.02%           | 0.003%        |
| 22        | 4.510       | 1077          | 1079        | 1082         | rBV2     | 180            | 117           | 0.02%           | 0.003%        |
| 23        | 4.539       | 1086          | 1088        | 1094         | rBV2     | 324            | 297           | 0.05%           | 0.007%        |
| 24        | 4.564       | 1094          | 1096        | 1098         | rBV      | 185            | 114           | 0.02%           | 0.003%        |
| 25        | 4.626       | 1114          | 1115        | 1120         | rVB3     | 186            | 137           | 0.02%           | 0.003%        |
| 26        | 4.790       | 1160          | 1166        | 1169         | rBV      | 230            | 310           | 0.05%           | 0.007%        |
| 27        | 4.957       | 1202          | 1218        | 1246         | rBV2     | 211417         | 576100        | 100.00%         | 13.359%       |
| 28        | 5.236       | 1303          | 1305        | 1308         | rVB2     | 195            | 129           | 0.02%           | 0.003%        |
| 29        | 5.256       | 1309          | 1311        | 1314         | rBV3     | 237            | 117           | 0.02%           | 0.003%        |
| 30        | 5.388       | 1348          | 1352        | 1357         | rBV      | 139            | 158           | 0.03%           | 0.004%        |
| 31        | 5.445       | 1367          | 1370        | 1372         | rBV3     | 231            | 144           | 0.02%           | 0.003%        |
| 32        | 5.484       | 1381          | 1382        | 1384         | rBV      | 242            | 112           | 0.02%           | 0.003%        |
| 33        | 5.535       | 1387          | 1398        | 1426         | rBV      | 154570         | 318595        | 55.30%          | 7.388%        |
| 34        | 5.834       | 1485          | 1491        | 1493         | rBV2     | 1159           | 1227          | 0.21%           | 0.028%        |
| 35        | 5.912       | 1511          | 1515        | 1522         | rVB3     | 241            | 294           | 0.05%           | 0.007%        |
| 36        | 5.989       | 1526          | 1539        | 1561         | rBV      | 131958         | 277350        | 48.14%          | 6.431%        |

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 ClientSampleId :  
 VIBLK264

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\_V\Method\SFAMVLM011024WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 6.140  | 1583 | 1586 | 1590 | rBV5 | 432    | 354    | 0.06%  | 0.008% |
| 38 | 6.195  | 1599 | 1603 | 1606 | rBV2 | 212    | 141    | 0.02%  | 0.003% |
| 39 | 6.220  | 1608 | 1611 | 1617 | rVB2 | 141    | 116    | 0.02%  | 0.003% |
| 40 | 6.603  | 1728 | 1730 | 1735 | rBV3 | 202    | 207    | 0.04%  | 0.005% |
| 41 | 6.780  | 1781 | 1785 | 1791 | rBV2 | 106    | 144    | 0.02%  | 0.003% |
| 42 | 6.915  | 1817 | 1827 | 1848 | rBV  | 70914  | 132759 | 23.04% | 3.078% |
| 43 | 7.069  | 1872 | 1875 | 1876 | rBV2 | 257    | 174    | 0.03%  | 0.004% |
| 44 | 7.182  | 1905 | 1910 | 1916 | rBV4 | 541    | 632    | 0.11%  | 0.015% |
| 45 | 7.243  | 1919 | 1929 | 1950 | rBV  | 195985 | 349830 | 60.72% | 8.112% |
| 46 | 7.555  | 2015 | 2026 | 2048 | rBV  | 49949  | 90738  | 15.75% | 2.104% |
| 47 | 7.738  | 2080 | 2083 | 2088 | rBV2 | 310    | 316    | 0.05%  | 0.007% |
| 48 | 7.918  | 2133 | 2139 | 2145 | rVB3 | 780    | 988    | 0.17%  | 0.023% |
| 49 | 8.024  | 2163 | 2172 | 2189 | rBV  | 172067 | 308512 | 53.55% | 7.154% |
| 50 | 8.297  | 2251 | 2257 | 2262 | rVB4 | 351    | 426    | 0.07%  | 0.010% |
| 51 | 8.522  | 2323 | 2327 | 2331 | rBV2 | 187    | 185    | 0.03%  | 0.004% |
| 52 | 8.786  | 2398 | 2409 | 2433 | rBV  | 213717 | 359054 | 62.32% | 8.326% |
| 53 | 8.960  | 2458 | 2463 | 2466 | rBV3 | 520    | 496    | 0.09%  | 0.012% |
| 54 | 9.085  | 2497 | 2502 | 2504 | rBV3 | 475    | 478    | 0.08%  | 0.011% |
| 55 | 9.124  | 2512 | 2514 | 2518 | rVB3 | 272    | 128    | 0.02%  | 0.003% |
| 56 | 9.182  | 2529 | 2532 | 2536 | rBV  | 210    | 190    | 0.03%  | 0.004% |
| 57 | 9.375  | 2584 | 2592 | 2595 | rBV2 | 155    | 215    | 0.04%  | 0.005% |
| 58 | 9.449  | 2611 | 2615 | 2619 | rBV2 | 163    | 143    | 0.02%  | 0.003% |
| 59 | 9.474  | 2619 | 2623 | 2624 | rBV  | 284    | 181    | 0.03%  | 0.004% |
| 60 | 9.490  | 2624 | 2628 | 2636 | rVV2 | 752    | 1158   | 0.20%  | 0.027% |
| 61 | 9.529  | 2636 | 2640 | 2646 | rVB2 | 982    | 1062   | 0.18%  | 0.025% |
| 62 | 9.551  | 2646 | 2647 | 2654 | rBV3 | 216    | 137    | 0.02%  | 0.003% |
| 63 | 9.670  | 2679 | 2684 | 2687 | rBV2 | 132    | 130    | 0.02%  | 0.003% |
| 64 | 9.873  | 2741 | 2747 | 2752 | rBV  | 1023   | 1165   | 0.20%  | 0.027% |
| 65 | 9.985  | 2780 | 2782 | 2788 | rVB2 | 238    | 226    | 0.04%  | 0.005% |
| 66 | 10.014 | 2788 | 2791 | 2793 | rBV  | 140    | 117    | 0.02%  | 0.003% |
| 67 | 10.034 | 2793 | 2797 | 2804 | rVV2 | 119    | 205    | 0.04%  | 0.005% |
| 68 | 10.153 | 2822 | 2834 | 2862 | rBV  | 188679 | 303332 | 52.65% | 7.034% |
| 69 | 10.481 | 2930 | 2936 | 2947 | rBV4 | 1178   | 1862   | 0.32%  | 0.043% |
| 70 | 10.738 | 3012 | 3016 | 3019 | rBV  | 150    | 126    | 0.02%  | 0.003% |
| 71 | 10.860 | 3047 | 3054 | 3066 | rVB  | 1563   | 2415   | 0.42%  | 0.056% |
| 72 | 11.130 | 3130 | 3138 | 3146 | rBV5 | 2268   | 3122   | 0.54%  | 0.072% |
| 73 | 11.185 | 3146 | 3155 | 3175 | rBV  | 191016 | 307239 | 53.33% | 7.124% |
| 74 | 11.522 | 3255 | 3260 | 3261 | rBV2 | 488    | 413    | 0.07%  | 0.010% |
| 75 | 11.561 | 3261 | 3272 | 3296 | rVV  | 200655 | 321950 | 55.88% | 7.465% |
| 76 | 12.368 | 3520 | 3523 | 3527 | rBV3 | 523    | 388    | 0.07%  | 0.009% |

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 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VIBLK264

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\_V\Method\SFAMVLM011024WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |       |       |        |        |
|-----|--------|------|------|------|------|-------|-------|--------|--------|
| 77  | 12.387 | 3527 | 3529 | 3534 | rVB2 | 268   | 181   | 0.03%  | 0.004% |
| 78  | 12.587 | 3582 | 3591 | 3601 | rBV3 | 4493  | 6044  | 1.05%  | 0.140% |
| 79  | 13.088 | 3742 | 3747 | 3752 | rBV2 | 190   | 198   | 0.03%  | 0.005% |
| 80  | 13.204 | 3775 | 3783 | 3795 | rVB3 | 9847  | 14240 | 2.47%  | 0.330% |
| 81  | 13.442 | 3847 | 3857 | 3871 | rBV  | 36310 | 60247 | 10.46% | 1.397% |
| 82  | 13.683 | 3923 | 3932 | 3946 | rBV3 | 13647 | 20481 | 3.56%  | 0.475% |
| 83  | 13.982 | 4019 | 4025 | 4026 | rBV2 | 296   | 304   | 0.05%  | 0.007% |
| 84  | 14.062 | 4048 | 4050 | 4054 | rBV  | 240   | 221   | 0.04%  | 0.005% |
| 85  | 14.133 | 4065 | 4072 | 4075 | rBV4 | 460   | 556   | 0.10%  | 0.013% |
| 86  | 14.152 | 4075 | 4078 | 4083 | rVB2 | 359   | 301   | 0.05%  | 0.007% |
| 87  | 14.207 | 4090 | 4095 | 4098 | rBV3 | 299   | 378   | 0.07%  | 0.009% |
| 88  | 14.243 | 4103 | 4106 | 4108 | rVV2 | 215   | 135   | 0.02%  | 0.003% |
| 89  | 14.313 | 4125 | 4128 | 4132 | rBV2 | 162   | 125   | 0.02%  | 0.003% |
| 90  | 14.365 | 4141 | 4144 | 4149 | rBV2 | 212   | 242   | 0.04%  | 0.006% |
| 91  | 14.423 | 4159 | 4162 | 4167 | rBV2 | 213   | 248   | 0.04%  | 0.006% |
| 92  | 14.471 | 4174 | 4177 | 4181 | rBV2 | 326   | 287   | 0.05%  | 0.007% |
| 93  | 14.503 | 4184 | 4187 | 4190 | rVV3 | 171   | 121   | 0.02%  | 0.003% |
| 94  | 14.522 | 4190 | 4193 | 4197 | rVB2 | 351   | 290   | 0.05%  | 0.007% |
| 95  | 14.554 | 4201 | 4203 | 4206 | rBV2 | 203   | 144   | 0.02%  | 0.003% |
| 96  | 14.609 | 4217 | 4220 | 4222 | rBV  | 269   | 198   | 0.03%  | 0.005% |
| 97  | 14.831 | 4287 | 4289 | 4291 | rBV  | 314   | 140   | 0.02%  | 0.003% |
| 98  | 14.850 | 4292 | 4295 | 4298 | rBV3 | 393   | 318   | 0.06%  | 0.007% |
| 99  | 15.278 | 4425 | 4428 | 4430 | rBV2 | 339   | 243   | 0.04%  | 0.006% |
| 100 | 15.378 | 4456 | 4459 | 4461 | rBV2 | 405   | 301   | 0.05%  | 0.007% |

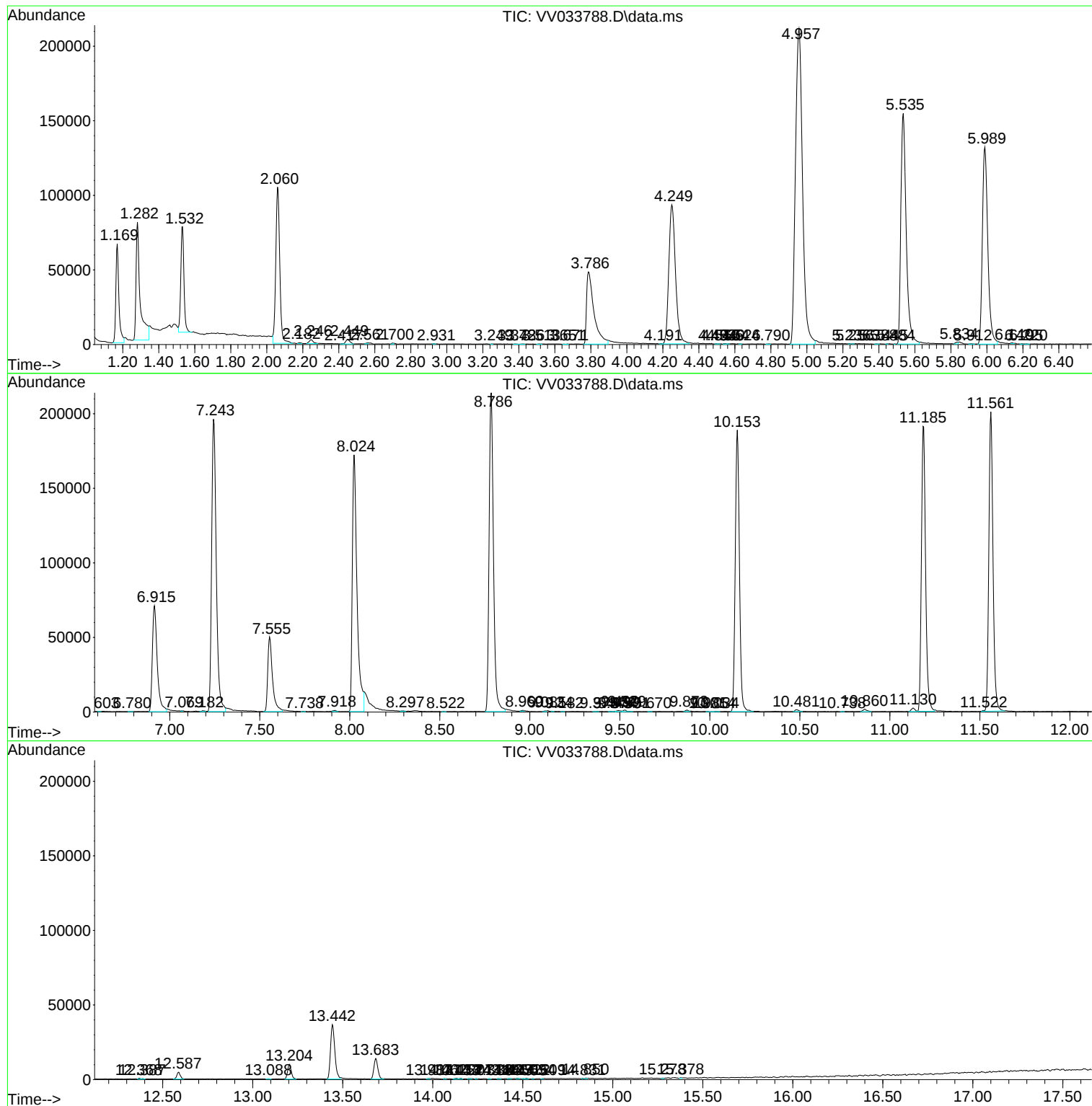
Sum of corrected areas: 4312569

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Sample : VIBLK264  
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ALS Vial : 50 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VIBLK264

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM011024WMA.M  
Quant Title : VOC Analysis

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



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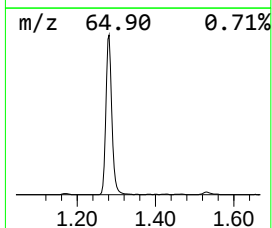
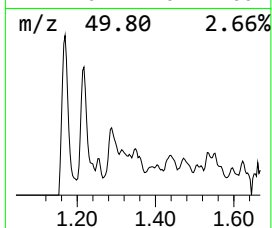
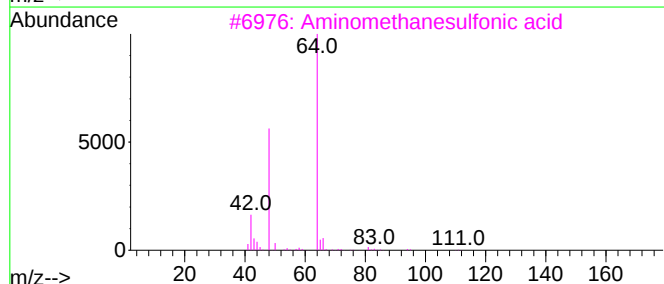
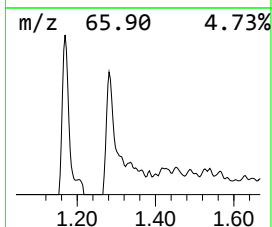
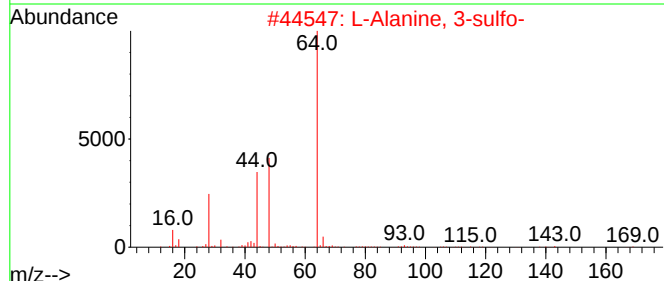
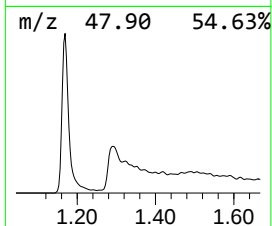
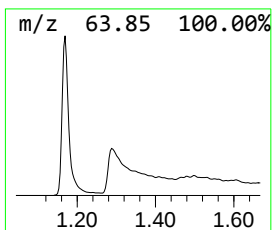
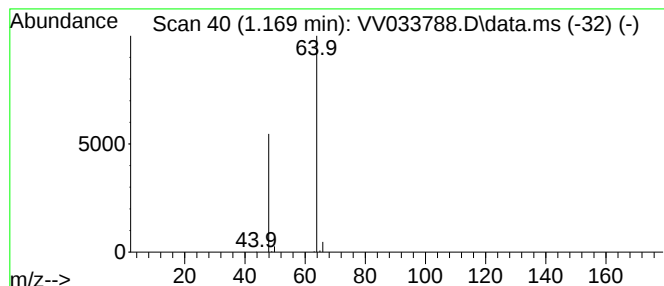
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Quant Title : VOC Analysis

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.  |
|-------|------------|-------|---------------------|-------|
| 1.169 | 12.26 ug/L | 78100 | 1,4-Difluorobenzene | 5.535 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------|-----|----------|-------------|------|
| 1    |    |   | Sulfur dioxide            | 64  | O2S      | 007446-09-5 | 83   |
| 2    |    |   | L-Alanine, 3-sulfo-       | 169 | C3H7NO5S | 000498-40-8 | 9    |
| 3    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 9    |
| 4    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 9    |
| 5    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 9    |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| Sulfur dioxide   | 1.169 | 12.3    | ug/L  | 78100    | 1                     | 5.535 | 318595 | 50.0 |