

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV092324\  
 Data File : VV037468.D  
 Acq On : 23 Sep 2024 10:00  
 Operator : SY/MD  
 Sample : VV0923WBL01  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK209

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\SFAMVLM082624WMA.M  
 Title : VOC Analysis

Signal : TIC: VV037468.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         | 1.172       | 35            | 41          | 58           | rBV      | 95573          | 148639        | 5.31%           | 0.732%        |
| 2         | 1.281       | 68            | 75          | 91           | rVB      | 398967         | 435442        | 15.55%          | 2.144%        |
| 3         | 1.532       | 145           | 153         | 167          | rVB      | 336446         | 395124        | 14.11%          | 1.945%        |
| 4         | 2.059       | 307           | 317         | 339          | rBV      | 706331         | 1013668       | 36.19%          | 4.990%        |
| 5         | 3.198       | 667           | 671         | 676          | rVB6     | 1485           | 1237          | 0.04%           | 0.006%        |
| 6         | 3.313       | 703           | 707         | 709          | rBV4     | 1114           | 719           | 0.03%           | 0.004%        |
| 7         | 3.455       | 747           | 751         | 756          | rBV5     | 898            | 766           | 0.03%           | 0.004%        |
| 8         | 3.516       | 769           | 770         | 779          | rVB5     | 914            | 901           | 0.03%           | 0.004%        |
| 9         | 3.645       | 805           | 810         | 812          | rBV4     | 823            | 657           | 0.02%           | 0.003%        |
| 10        | 3.690       | 817           | 824         | 827          | rBV4     | 924            | 1117          | 0.04%           | 0.005%        |
| 11        | 3.793       | 847           | 856         | 886          | rBV      | 110647         | 316034        | 11.28%          | 1.556%        |
| 12        | 4.092       | 945           | 949         | 953          | rBV4     | 845            | 772           | 0.03%           | 0.004%        |
| 13        | 4.165       | 969           | 972         | 975          | rBV4     | 1290           | 1012          | 0.04%           | 0.005%        |
| 14        | 4.239       | 979           | 995         | 1029         | rVV      | 442077         | 1140223       | 40.71%          | 5.613%        |
| 15        | 4.452       | 1058          | 1061        | 1068         | rVB6     | 1146           | 1462          | 0.05%           | 0.007%        |
| 16        | 4.548       | 1089          | 1091        | 1099         | rVB5     | 1074           | 960           | 0.03%           | 0.005%        |
| 17        | 4.590       | 1099          | 1104        | 1108         | rBV5     | 1412           | 1409          | 0.05%           | 0.007%        |
| 18        | 4.625       | 1111          | 1115        | 1120         | rVB4     | 1072           | 1051          | 0.04%           | 0.005%        |
| 19        | 4.648       | 1120          | 1122        | 1129         | rBV6     | 893            | 761           | 0.03%           | 0.004%        |
| 20        | 4.783       | 1160          | 1164        | 1167         | rBV3     | 911            | 734           | 0.03%           | 0.004%        |
| 21        | 4.947       | 1199          | 1215        | 1242         | rBV2     | 1102005        | 2800587       | 100.00%         | 13.786%       |
| 22        | 5.526       | 1384          | 1395        | 1431         | rBV      | 774624         | 1633519       | 58.33%          | 8.041%        |
| 23        | 5.982       | 1523          | 1537        | 1570         | rBV      | 615883         | 1283429       | 45.83%          | 6.318%        |
| 24        | 6.397       | 1664          | 1666        | 1668         | rVV2     | 1171           | 680           | 0.02%           | 0.003%        |
| 25        | 6.416       | 1668          | 1672        | 1675         | rVV4     | 1108           | 1152          | 0.04%           | 0.006%        |
| 26        | 6.452       | 1679          | 1683        | 1685         | rVV2     | 815            | 776           | 0.03%           | 0.004%        |
| 27        | 6.481       | 1689          | 1692        | 1695         | rVV3     | 1121           | 794           | 0.03%           | 0.004%        |
| 28        | 6.516       | 1700          | 1703        | 1707         | rVB4     | 705            | 651           | 0.02%           | 0.003%        |
| 29        | 6.542       | 1707          | 1711        | 1714         | rBV4     | 895            | 903           | 0.03%           | 0.004%        |
| 30        | 6.554       | 1714          | 1715        | 1718         | rVV2     | 1120           | 680           | 0.02%           | 0.003%        |
| 31        | 6.580       | 1721          | 1723        | 1728         | rVV5     | 1211           | 1001          | 0.04%           | 0.005%        |
| 32        | 6.628       | 1733          | 1738        | 1740         | rVV4     | 686            | 646           | 0.02%           | 0.003%        |
| 33        | 6.664       | 1744          | 1749        | 1750         | rBV3     | 1146           | 956           | 0.03%           | 0.005%        |
| 34        | 6.683       | 1753          | 1755        | 1758         | rVV4     | 1430           | 844           | 0.03%           | 0.004%        |
| 35        | 6.709       | 1758          | 1763        | 1765         | rVV4     | 1292           | 1175          | 0.04%           | 0.006%        |
| 36        | 6.728       | 1767          | 1769        | 1773         | rVV3     | 1508           | 1005          | 0.04%           | 0.005%        |

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Integrator: RTE

Smoothing : OFF

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Start Thrs: 0.2

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Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082624WMA.M  
 Title : VOC Analysis

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 37 | 6.754  | 1773 | 1777 | 1781 | rVB3 | 1036    | 820     | 0.03%  | 0.004%  |
| 38 | 6.908  | 1813 | 1825 | 1851 | rBV  | 323168  | 621619  | 22.20% | 3.060%  |
| 39 | 7.236  | 1916 | 1927 | 1958 | rBV  | 1300539 | 2256435 | 80.57% | 11.108% |
| 40 | 7.548  | 2014 | 2024 | 2054 | rBV  | 207828  | 394509  | 14.09% | 1.942%  |
| 41 | 7.860  | 2118 | 2121 | 2122 | rBV3 | 1194    | 646     | 0.02%  | 0.003%  |
| 42 | 7.870  | 2122 | 2124 | 2130 | rVV5 | 1351    | 1275    | 0.05%  | 0.006%  |
| 43 | 7.905  | 2133 | 2135 | 2140 | rVB5 | 1473    | 1043    | 0.04%  | 0.005%  |
| 44 | 7.969  | 2152 | 2155 | 2157 | rBV4 | 1268    | 793     | 0.03%  | 0.004%  |
| 45 | 8.024  | 2162 | 2172 | 2204 | rBV2 | 322876  | 736143  | 26.29% | 3.624%  |
| 46 | 8.361  | 2275 | 2277 | 2285 | rVB9 | 1954    | 1984    | 0.07%  | 0.010%  |
| 47 | 8.522  | 2325 | 2327 | 2330 | rVB3 | 1415    | 694     | 0.02%  | 0.003%  |
| 48 | 8.545  | 2330 | 2334 | 2340 | rBV6 | 2015    | 2559    | 0.09%  | 0.013%  |
| 49 | 8.622  | 2354 | 2358 | 2362 | rBV6 | 979     | 912     | 0.03%  | 0.004%  |
| 50 | 8.776  | 2394 | 2406 | 2434 | rBV  | 1227099 | 2019073 | 72.09% | 9.939%  |
| 51 | 9.146  | 2518 | 2521 | 2524 | rVB5 | 1249    | 655     | 0.02%  | 0.003%  |
| 52 | 9.410  | 2599 | 2603 | 2604 | rVV3 | 966     | 678     | 0.02%  | 0.003%  |
| 53 | 9.500  | 2625 | 2631 | 2632 | rBV4 | 1207    | 1009    | 0.04%  | 0.005%  |
| 54 | 9.570  | 2651 | 2653 | 2658 | rVB4 | 1295    | 883     | 0.03%  | 0.004%  |
| 55 | 9.648  | 2673 | 2677 | 2679 | rBV3 | 1362    | 857     | 0.03%  | 0.004%  |
| 56 | 9.802  | 2721 | 2725 | 2732 | rVB6 | 689     | 871     | 0.03%  | 0.004%  |
| 57 | 10.001 | 2785 | 2787 | 2794 | rVB6 | 1240    | 1178    | 0.04%  | 0.006%  |
| 58 | 10.037 | 2794 | 2798 | 2802 | rBV4 | 893     | 1021    | 0.04%  | 0.005%  |
| 59 | 10.146 | 2817 | 2832 | 2850 | rBV  | 673314  | 1078107 | 38.50% | 5.307%  |
| 60 | 10.397 | 2905 | 2910 | 2914 | rBV5 | 1258    | 949     | 0.03%  | 0.005%  |
| 61 | 10.538 | 2947 | 2954 | 2957 | rBV5 | 1181    | 1622    | 0.06%  | 0.008%  |
| 62 | 10.622 | 2978 | 2980 | 2983 | rVV3 | 1092    | 777     | 0.03%  | 0.004%  |
| 63 | 10.635 | 2983 | 2984 | 2989 | rVV3 | 843     | 677     | 0.02%  | 0.003%  |
| 64 | 10.664 | 2989 | 2993 | 2997 | rVV4 | 895     | 865     | 0.03%  | 0.004%  |
| 65 | 10.786 | 3024 | 3031 | 3038 | rVB9 | 1896    | 2458    | 0.09%  | 0.012%  |
| 66 | 10.831 | 3041 | 3045 | 3047 | rBV4 | 963     | 721     | 0.03%  | 0.004%  |
| 67 | 10.866 | 3053 | 3056 | 3061 | rVV5 | 1477    | 1282    | 0.05%  | 0.006%  |
| 68 | 10.947 | 3076 | 3081 | 3085 | rBV6 | 941     | 990     | 0.04%  | 0.005%  |
| 69 | 11.062 | 3115 | 3117 | 3121 | rVB2 | 1060    | 660     | 0.02%  | 0.003%  |
| 70 | 11.133 | 3131 | 3139 | 3142 | rBV6 | 3636    | 4345    | 0.16%  | 0.021%  |
| 71 | 11.178 | 3142 | 3153 | 3180 | rBV  | 1198477 | 1936685 | 69.15% | 9.534%  |
| 72 | 11.422 | 3224 | 3229 | 3232 | rBV5 | 1281    | 1139    | 0.04%  | 0.006%  |
| 73 | 11.554 | 3252 | 3270 | 3298 | rBV  | 1234506 | 1985523 | 70.90% | 9.774%  |
| 74 | 11.824 | 3352 | 3354 | 3358 | rBV4 | 897     | 756     | 0.03%  | 0.004%  |
| 75 | 11.921 | 3379 | 3384 | 3387 | rBV5 | 1353    | 973     | 0.03%  | 0.005%  |
| 76 | 12.075 | 3428 | 3432 | 3436 | rBV3 | 924     | 740     | 0.03%  | 0.004%  |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK209

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\SFAMVLM082624WMA.M  
 Title : VOC Analysis

|     |        |      |      |      |      |      |       |       |        |
|-----|--------|------|------|------|------|------|-------|-------|--------|
| 77  | 12.146 | 3452 | 3454 | 3460 | rBV5 | 1051 | 793   | 0.03% | 0.004% |
| 78  | 12.590 | 3584 | 3592 | 3598 | rBV9 | 3962 | 6536  | 0.23% | 0.032% |
| 79  | 12.657 | 3610 | 3613 | 3615 | rBV4 | 1149 | 804   | 0.03% | 0.004% |
| 80  | 12.705 | 3624 | 3628 | 3630 | rBV2 | 928  | 704   | 0.03% | 0.003% |
| 81  | 12.895 | 3684 | 3687 | 3691 | rVB4 | 1346 | 971   | 0.03% | 0.005% |
| 82  | 12.988 | 3713 | 3716 | 3721 | rBV5 | 1150 | 1024  | 0.04% | 0.005% |
| 83  | 13.107 | 3751 | 3753 | 3757 | rVB3 | 1491 | 891   | 0.03% | 0.004% |
| 84  | 13.133 | 3757 | 3761 | 3763 | rBV2 | 1000 | 903   | 0.03% | 0.004% |
| 85  | 13.207 | 3776 | 3784 | 3789 | rBV9 | 4544 | 6199  | 0.22% | 0.031% |
| 86  | 13.448 | 3852 | 3859 | 3873 | rVB2 | 9352 | 15657 | 0.56% | 0.077% |
| 87  | 13.548 | 3888 | 3890 | 3896 | rBV3 | 527  | 679   | 0.02% | 0.003% |
| 88  | 13.570 | 3896 | 3897 | 3903 | rVB5 | 1067 | 882   | 0.03% | 0.004% |
| 89  | 13.599 | 3903 | 3906 | 3910 | rBV4 | 1104 | 891   | 0.03% | 0.004% |
| 90  | 13.683 | 3924 | 3932 | 3942 | rVB9 | 5724 | 9104  | 0.33% | 0.045% |
| 91  | 13.728 | 3942 | 3946 | 3950 | rVB5 | 1830 | 1290  | 0.05% | 0.006% |
| 92  | 13.956 | 4013 | 4017 | 4018 | rBV3 | 1029 | 672   | 0.02% | 0.003% |
| 93  | 13.972 | 4018 | 4022 | 4031 | rVB8 | 1899 | 2625  | 0.09% | 0.013% |
| 94  | 14.934 | 4319 | 4321 | 4324 | rBV4 | 1141 | 675   | 0.02% | 0.003% |
| 95  | 15.046 | 4354 | 4356 | 4360 | rVB3 | 1260 | 653   | 0.02% | 0.003% |
| 96  | 15.217 | 4407 | 4409 | 4414 | rVB4 | 1413 | 840   | 0.03% | 0.004% |
| 97  | 15.387 | 4458 | 4462 | 4465 | rBV6 | 2031 | 1654  | 0.06% | 0.008% |
| 98  | 15.483 | 4489 | 4492 | 4493 | rBV3 | 1373 | 777   | 0.03% | 0.004% |
| 99  | 15.561 | 4514 | 4516 | 4517 | rBV3 | 2052 | 889   | 0.03% | 0.004% |
| 100 | 15.805 | 4590 | 4592 | 4596 | rBV4 | 1898 | 1539  | 0.05% | 0.008% |

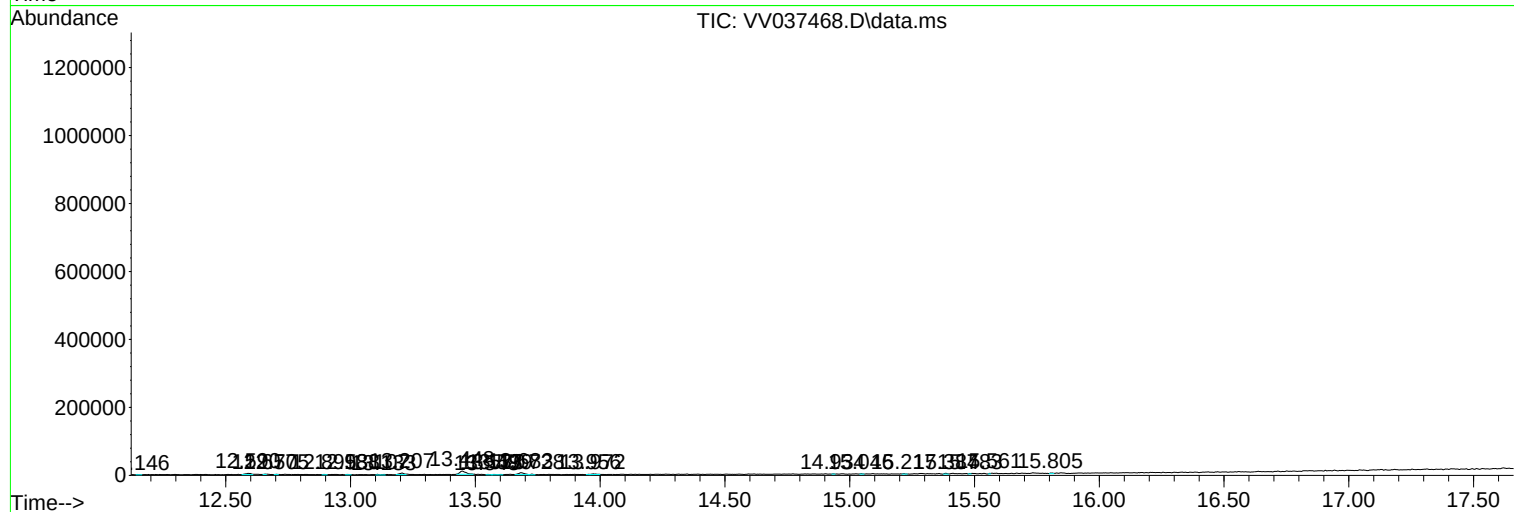
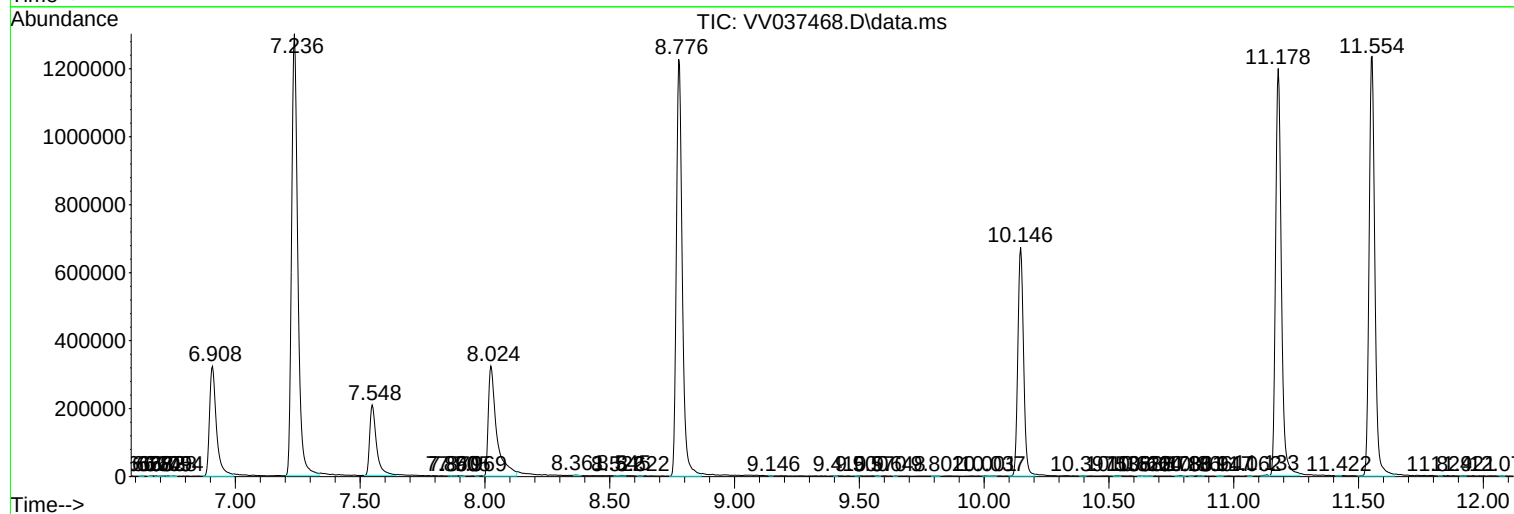
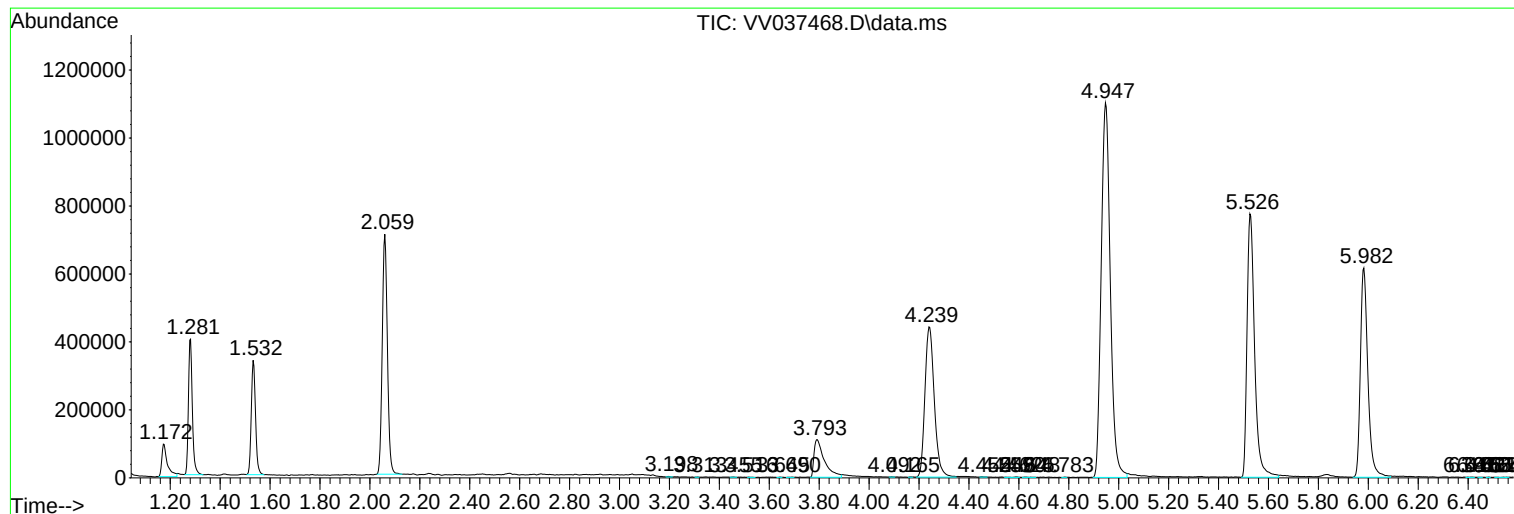
Sum of corrected areas: 20314064

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Sample : VV0923WBL01  
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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082624WMA.M  
Quant Title : VOC Analysis

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



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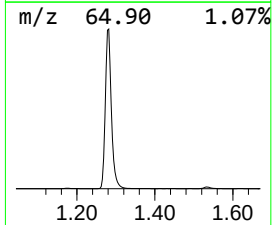
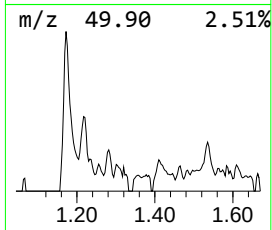
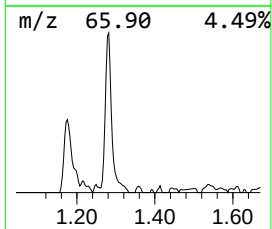
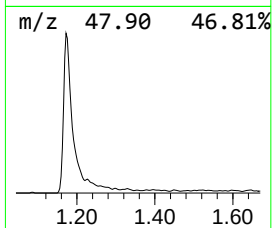
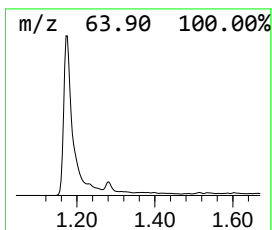
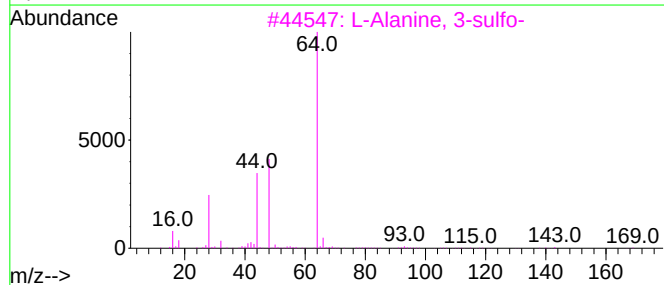
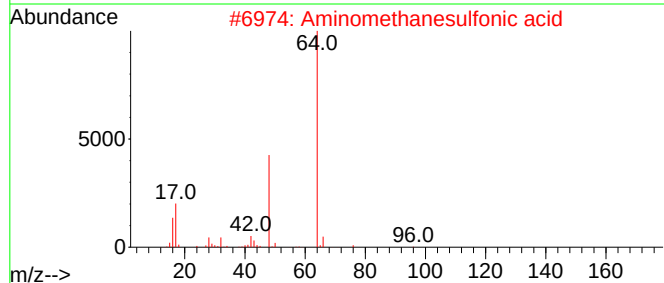
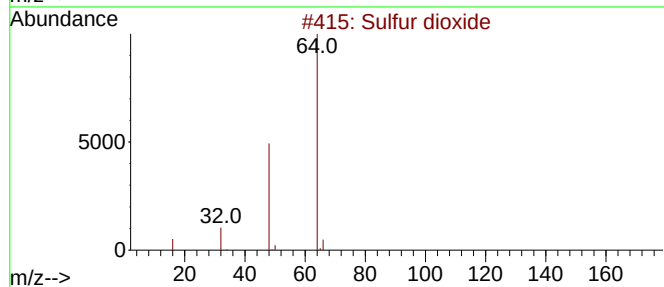
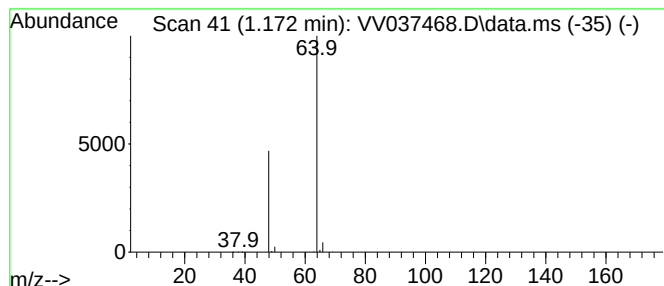
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082624WMA.M  
Quant Title : VOC Analysis

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.  |
|-------|-----------|--------|---------------------|-------|
| 1.172 | 4.55 ug/L | 148639 | 1,4-Difluorobenzene | 5.526 |

| 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 | 74   |
| 3    |    |   | L-Alanine, 3-sulfo-       | 169 | C3H7NO5S | 000498-40-8 | 9    |
| 4    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 9    |
| 5    |    |   | Ethene, 1,1-difluoro-     | 64  | C2H2F2   | 000075-38-7 | 4    |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |       |         |       |          | #                     | RT    | Resp    | Conc |
| Sulfur dioxide   | 1.172 | 4.5     | ug/L  | 148639   | 1                     | 5.526 | 1633520 | 50.0 |