

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV011924\  
 Data File : VV033758.D  
 Acq On : 19 Jan 2024 16:49  
 Operator : SY/MD  
 Sample : P1190-09  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DCMQ7

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: VV033758.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         | 1.166       | 32            | 39          | 52           | rBV      | 116671         | 135038        | 13.41%          | 1.783%        |
| 2         | 1.282       | 66            | 75          | 107          | rBV      | 172815         | 308214        | 30.60%          | 4.069%        |
| 3         | 1.532       | 147           | 153         | 171          | rVB      | 94630          | 119866        | 11.90%          | 1.583%        |
| 4         | 2.060       | 308           | 317         | 345          | rVB      | 192384         | 297426        | 29.53%          | 3.927%        |
| 5         | 2.310       | 392           | 395         | 396          | rBV      | 243            | 145           | 0.01%           | 0.002%        |
| 6         | 2.372       | 407           | 414         | 417          | rBV2     | 343            | 351           | 0.03%           | 0.005%        |
| 7         | 2.384       | 417           | 418         | 424          | rVB2     | 225            | 146           | 0.01%           | 0.002%        |
| 8         | 2.487       | 446           | 450         | 452          | rBV2     | 182            | 159           | 0.02%           | 0.002%        |
| 9         | 2.510       | 455           | 457         | 460          | rVB2     | 291            | 151           | 0.01%           | 0.002%        |
| 10        | 2.548       | 467           | 469         | 470          | rBV      | 245            | 118           | 0.01%           | 0.002%        |
| 11        | 2.703       | 507           | 517         | 530          | rVB3     | 5319           | 9968          | 0.99%           | 0.132%        |
| 12        | 2.812       | 548           | 551         | 553          | rBV2     | 167            | 141           | 0.01%           | 0.002%        |
| 13        | 2.960       | 594           | 597         | 602          | rVB      | 176            | 115           | 0.01%           | 0.002%        |
| 14        | 2.992       | 602           | 607         | 613          | rBV2     | 164            | 233           | 0.02%           | 0.003%        |
| 15        | 3.095       | 636           | 639         | 641          | rBV2     | 130            | 92            | 0.01%           | 0.001%        |
| 16        | 3.191       | 666           | 669         | 674          | rBV2     | 159            | 165           | 0.02%           | 0.002%        |
| 17        | 3.555       | 779           | 782         | 787          | rBV2     | 113            | 104           | 0.01%           | 0.001%        |
| 18        | 3.677       | 817           | 820         | 823          | rVB      | 196            | 96            | 0.01%           | 0.001%        |
| 19        | 3.812       | 845           | 862         | 900          | rBV2     | 368524         | 1007315       | 100.00%         | 13.299%       |
| 20        | 4.249       | 983           | 998         | 1024         | rBV      | 123653         | 313734        | 31.15%          | 4.142%        |
| 21        | 4.526       | 1082          | 1084        | 1089         | rBV3     | 204            | 191           | 0.02%           | 0.003%        |
| 22        | 4.584       | 1099          | 1102        | 1104         | rBV2     | 155            | 115           | 0.01%           | 0.002%        |
| 23        | 4.609       | 1108          | 1110        | 1113         | rVV3     | 309            | 113           | 0.01%           | 0.001%        |
| 24        | 4.757       | 1153          | 1156        | 1160         | rVB2     | 210            | 105           | 0.01%           | 0.001%        |
| 25        | 4.957       | 1202          | 1218        | 1246         | rBV2     | 299174         | 797650        | 79.19%          | 10.531%       |
| 26        | 5.314       | 1326          | 1329        | 1331         | rBV2     | 208            | 150           | 0.01%           | 0.002%        |
| 27        | 5.339       | 1335          | 1337        | 1341         | rVV3     | 262            | 155           | 0.02%           | 0.002%        |
| 28        | 5.458       | 1370          | 1374        | 1380         | rBV3     | 210            | 336           | 0.03%           | 0.004%        |
| 29        | 5.532       | 1386          | 1397        | 1433         | rBV      | 278627         | 573364        | 56.92%          | 7.570%        |
| 30        | 5.764       | 1466          | 1469        | 1471         | rBV2     | 244            | 172           | 0.02%           | 0.002%        |
| 31        | 5.799       | 1477          | 1480        | 1485         | rVB3     | 313            | 209           | 0.02%           | 0.003%        |
| 32        | 5.838       | 1485          | 1492        | 1500         | rBV5     | 990            | 1606          | 0.16%           | 0.021%        |
| 33        | 5.941       | 1520          | 1524        | 1527         | rBV      | 185            | 200           | 0.02%           | 0.003%        |
| 34        | 5.989       | 1527          | 1539        | 1565         | rBV      | 176118         | 361409        | 35.88%          | 4.772%        |
| 35        | 6.211       | 1606          | 1608        | 1611         | rVB2     | 489            | 284           | 0.03%           | 0.004%        |
| 36        | 6.233       | 1611          | 1615        | 1619         | rBV2     | 377            | 388           | 0.04%           | 0.005%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV011924\  
 Data File : VV033758.D  
 Acq On : 19 Jan 2024 16:49  
 Operator : SY/MD  
 Sample : P1190-09  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DCMQ7

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 | 6.291  | 1628 | 1633 | 1638 | rBV2 | 174    | 198    | 0.02%  | 0.003% |
| 38 | 6.314  | 1638 | 1640 | 1643 | rVB2 | 206    | 121    | 0.01%  | 0.002% |
| 39 | 6.584  | 1721 | 1724 | 1727 | rBV2 | 179    | 145    | 0.01%  | 0.002% |
| 40 | 6.912  | 1816 | 1826 | 1858 | rBV  | 95597  | 182445 | 18.11% | 2.409% |
| 41 | 7.149  | 1894 | 1900 | 1903 | rBV2 | 439    | 524    | 0.05%  | 0.007% |
| 42 | 7.166  | 1903 | 1905 | 1912 | rVB2 | 279    | 225    | 0.02%  | 0.003% |
| 43 | 7.243  | 1917 | 1929 | 1958 | rBV  | 364508 | 645671 | 64.10% | 8.525% |
| 44 | 7.555  | 2017 | 2026 | 2059 | rBV  | 62785  | 116207 | 11.54% | 1.534% |
| 45 | 7.873  | 2115 | 2125 | 2133 | rBV3 | 1434   | 2317   | 0.23%  | 0.031% |
| 46 | 8.024  | 2163 | 2172 | 2221 | rBV  | 176246 | 347499 | 34.50% | 4.588% |
| 47 | 8.297  | 2255 | 2257 | 2260 | rBV2 | 219    | 151    | 0.01%  | 0.002% |
| 48 | 8.375  | 2279 | 2281 | 2284 | rVB  | 293    | 138    | 0.01%  | 0.002% |
| 49 | 8.416  | 2290 | 2294 | 2297 | rBV3 | 205    | 191    | 0.02%  | 0.003% |
| 50 | 8.468  | 2307 | 2310 | 2313 | rBV  | 190    | 121    | 0.01%  | 0.002% |
| 51 | 8.529  | 2327 | 2329 | 2332 | rVB2 | 256    | 143    | 0.01%  | 0.002% |
| 52 | 8.783  | 2397 | 2408 | 2435 | rBV  | 428660 | 698515 | 69.34% | 9.222% |
| 53 | 9.008  | 2476 | 2478 | 2484 | rVB  | 158    | 112    | 0.01%  | 0.001% |
| 54 | 9.040  | 2484 | 2488 | 2491 | rBV2 | 146    | 139    | 0.01%  | 0.002% |
| 55 | 9.059  | 2491 | 2494 | 2500 | rVB2 | 189    | 141    | 0.01%  | 0.002% |
| 56 | 9.156  | 2521 | 2524 | 2527 | rBV  | 213    | 163    | 0.02%  | 0.002% |
| 57 | 9.339  | 2578 | 2581 | 2587 | rBV  | 118    | 117    | 0.01%  | 0.002% |
| 58 | 9.400  | 2597 | 2600 | 2602 | rBV  | 141    | 107    | 0.01%  | 0.001% |
| 59 | 9.445  | 2608 | 2614 | 2618 | rBV  | 202    | 212    | 0.02%  | 0.003% |
| 60 | 9.558  | 2647 | 2649 | 2653 | rBV2 | 111    | 99     | 0.01%  | 0.001% |
| 61 | 9.670  | 2681 | 2684 | 2686 | rBV2 | 140    | 89     | 0.01%  | 0.001% |
| 62 | 9.792  | 2719 | 2722 | 2724 | rBV2 | 169    | 112    | 0.01%  | 0.001% |
| 63 | 10.027 | 2792 | 2795 | 2800 | rBV2 | 120    | 124    | 0.01%  | 0.002% |
| 64 | 10.153 | 2822 | 2834 | 2857 | rBV  | 225339 | 357829 | 35.52% | 4.724% |
| 65 | 10.326 | 2879 | 2888 | 2899 | rVB5 | 1731   | 2815   | 0.28%  | 0.037% |
| 66 | 10.519 | 2946 | 2948 | 2951 | rVB  | 213    | 126    | 0.01%  | 0.002% |
| 67 | 10.882 | 3057 | 3061 | 3063 | rBV  | 114    | 105    | 0.01%  | 0.001% |
| 68 | 11.133 | 3135 | 3139 | 3144 | rBV2 | 334    | 258    | 0.03%  | 0.003% |
| 69 | 11.185 | 3144 | 3155 | 3189 | rBV  | 444873 | 683150 | 67.82% | 9.019% |
| 70 | 11.561 | 3260 | 3272 | 3293 | rBV  | 373941 | 595094 | 59.08% | 7.857% |
| 71 | 11.731 | 3322 | 3325 | 3326 | rBV  | 212    | 102    | 0.01%  | 0.001% |
| 72 | 12.017 | 3411 | 3414 | 3418 | rBV2 | 159    | 146    | 0.01%  | 0.002% |
| 73 | 12.194 | 3464 | 3469 | 3474 | rBV2 | 323    | 426    | 0.04%  | 0.006% |
| 74 | 12.294 | 3497 | 3500 | 3505 | rBV2 | 171    | 154    | 0.02%  | 0.002% |
| 75 | 12.458 | 3548 | 3551 | 3553 | rBV  | 181    | 110    | 0.01%  | 0.001% |
| 76 | 12.487 | 3557 | 3560 | 3562 | rBV  | 179    | 127    | 0.01%  | 0.002% |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV011924\  
 Data File : VV033758.D  
 Acq On : 19 Jan 2024 16:49  
 Operator : SY/MD  
 Sample : P1190-09  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DCMQ7

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  | 12.786 | 3649 | 3653 | 3656 | rBV2 | 206  | 204  | 0.02% | 0.003% |
| 78  | 12.969 | 3707 | 3710 | 3712 | rBV2 | 119  | 94   | 0.01% | 0.001% |
| 79  | 13.159 | 3766 | 3769 | 3775 | rVB  | 222  | 159  | 0.02% | 0.002% |
| 80  | 13.288 | 3807 | 3809 | 3815 | rVB  | 205  | 153  | 0.02% | 0.002% |
| 81  | 13.320 | 3815 | 3819 | 3820 | rBV  | 208  | 141  | 0.01% | 0.002% |
| 82  | 13.390 | 3838 | 3841 | 3844 | rBV2 | 221  | 146  | 0.01% | 0.002% |
| 83  | 13.728 | 3944 | 3946 | 3952 | rVB  | 310  | 266  | 0.03% | 0.004% |
| 84  | 13.786 | 3960 | 3964 | 3969 | rVV2 | 289  | 320  | 0.03% | 0.004% |
| 85  | 13.873 | 3985 | 3991 | 3993 | rBV2 | 301  | 277  | 0.03% | 0.004% |
| 86  | 13.931 | 4006 | 4009 | 4011 | rBV  | 221  | 137  | 0.01% | 0.002% |
| 87  | 14.037 | 4039 | 4042 | 4048 | rVB2 | 355  | 350  | 0.03% | 0.005% |
| 88  | 14.072 | 4051 | 4053 | 4056 | rVV2 | 245  | 125  | 0.01% | 0.002% |
| 89  | 14.088 | 4056 | 4058 | 4061 | rVB2 | 162  | 91   | 0.01% | 0.001% |
| 90  | 14.185 | 4085 | 4088 | 4090 | rBV  | 292  | 166  | 0.02% | 0.002% |
| 91  | 14.236 | 4100 | 4104 | 4110 | rVB3 | 322  | 326  | 0.03% | 0.004% |
| 92  | 14.271 | 4112 | 4115 | 4117 | rBV  | 253  | 180  | 0.02% | 0.002% |
| 93  | 14.332 | 4130 | 4134 | 4136 | rBV2 | 451  | 316  | 0.03% | 0.004% |
| 94  | 14.355 | 4140 | 4141 | 4143 | rVV  | 382  | 101  | 0.01% | 0.001% |
| 95  | 14.381 | 4147 | 4149 | 4152 | rBV  | 317  | 156  | 0.02% | 0.002% |
| 96  | 14.429 | 4159 | 4164 | 4171 | rBV3 | 217  | 328  | 0.03% | 0.004% |
| 97  | 14.525 | 4192 | 4194 | 4197 | rBV  | 202  | 132  | 0.01% | 0.002% |
| 98  | 14.889 | 4304 | 4307 | 4310 | rBV2 | 287  | 203  | 0.02% | 0.003% |
| 99  | 15.156 | 4388 | 4390 | 4395 | rBV3 | 339  | 291  | 0.03% | 0.004% |
| 100 | 16.249 | 4726 | 4730 | 4736 | rVB6 | 3076 | 3099 | 0.31% | 0.041% |

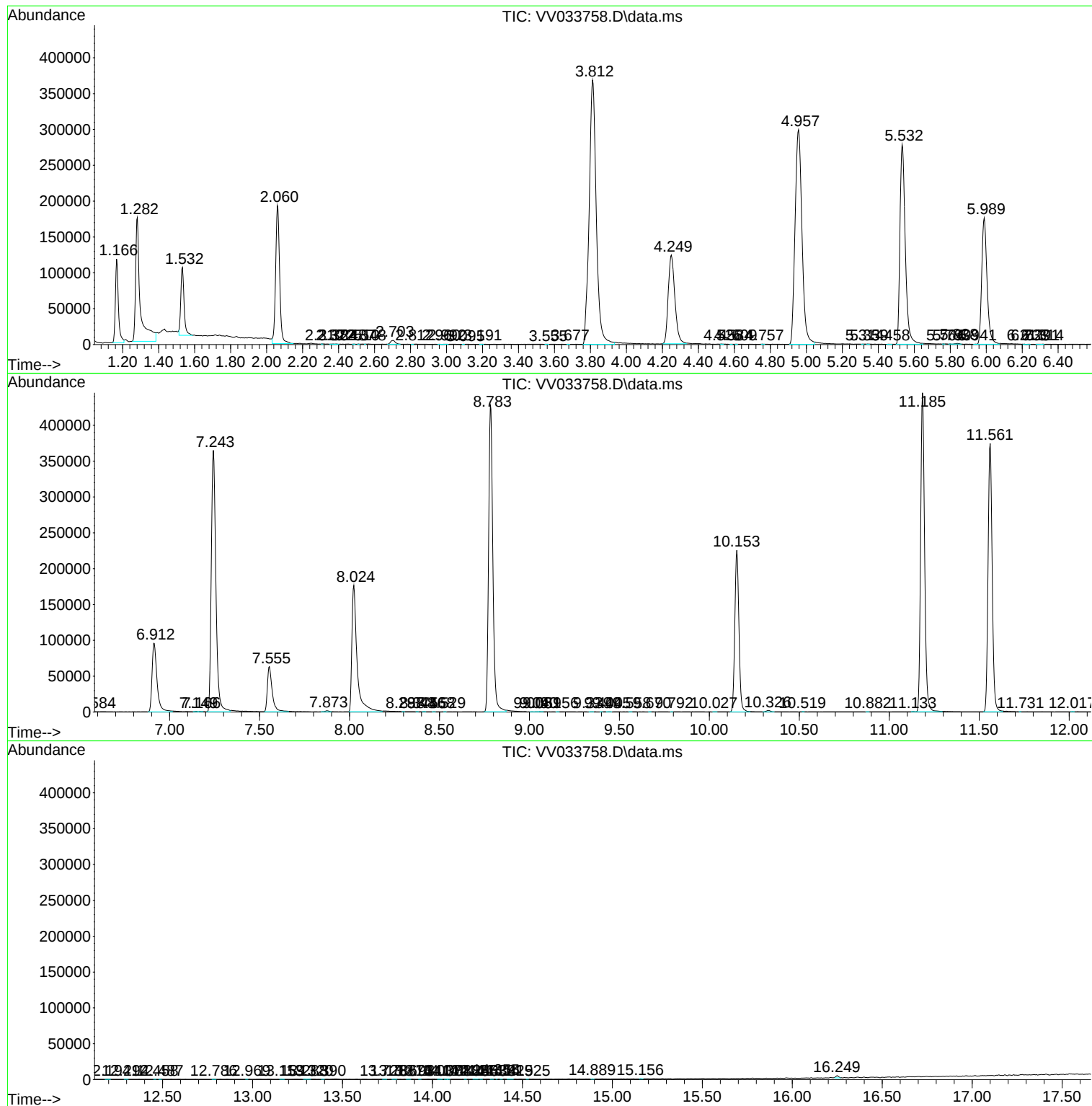
Sum of corrected areas: 7574253

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV011924\  
Data File : VV033758.D  
Acq On : 19 Jan 2024 16:49  
Operator : SY/MD  
Sample : P1190-09  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
DCMQ7

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV011924\  
Data File : VV033758.D  
Acq On : 19 Jan 2024 16:49  
Operator : SY/MD  
Sample : P1190-09  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
DCMQ7

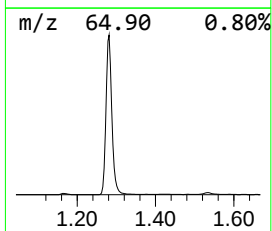
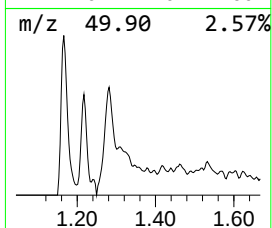
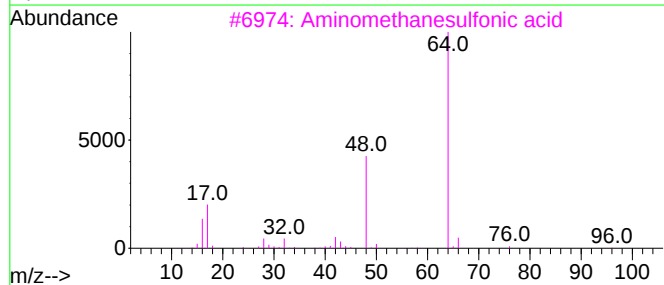
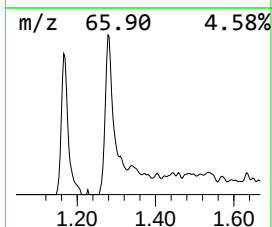
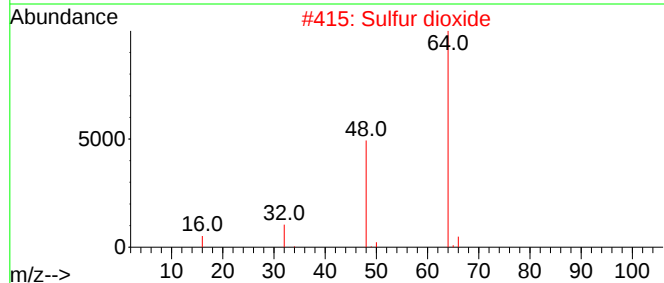
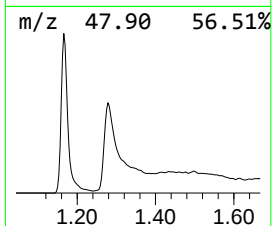
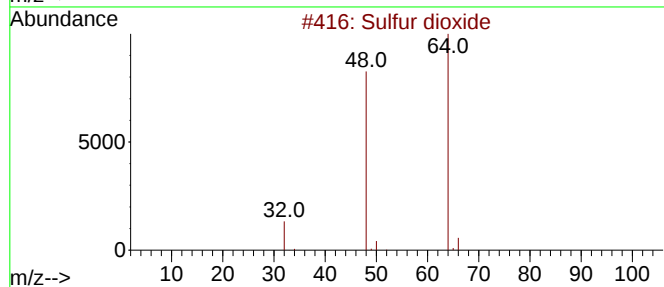
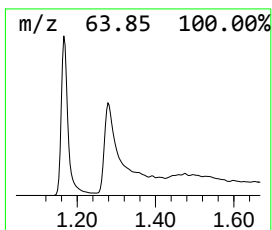
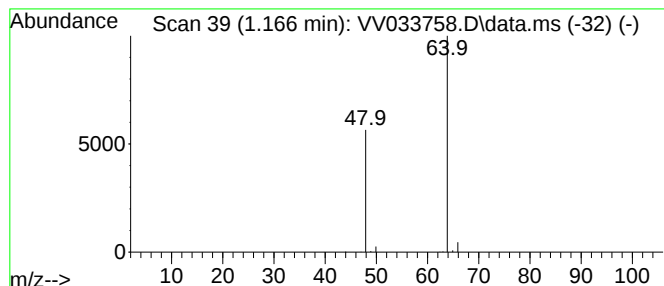
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM011024WMA.M  
Quant Title : VOC Analysis

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

\*\*\*\*\*  
Peak Number 1 Sulfur dioxide Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 1.166 | 11.78 ug/L | 135038 | 1,4-Difluorobenzene | 5.532 |

| 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    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 74   |
| 4    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 9    |
| 5    |    |   | L-Alanine, 3-sulfo-       | 169 | C3H7NO5S | 000498-40-8 | 9    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV011924\  
Data File : VV033758.D  
Acq On : 19 Jan 2024 16:49  
Operator : SY/MD  
Sample : P1190-09  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
DCMQ7

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

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| Sulfur dioxide   | 1.166 | 11.8    | ug/L  | 135038   | 1                     | 5.532 | 573364 | 50.0 |