LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011924\
Data File : VV033761.D
Acq On : 19 Jan 2024 18:00
Operator : SY/MD
Sample : P1190-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
DCMS3

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: VV033761.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.166 | 31 | 39 | 65 | rBV | 112032 | 136960 | 17.16% | 1.966% |
| 2 | 1.281 | 68 | 75 | 92 | rBV2 | 148666 | 196037 | 24.57% | 2.815% |
| 3 | 1.532 | 146 | 153 | 163 | rVB | 90408 | 106517 | 13.35% | 1.529% |
| 4 | 2.060 | 308 | 317 | 331 | rVB | 184148 | 265214 | 33.24% | 3.808% |
| 5 | 2.233 | 369 | 371 | 372 | rBV | 361 | 149 | 0.02% | 0.002% |
| 6 | 2.568 | 468 | 475 | 484 | rVB4 | 519 | 558 | 0.07% | 0.008% |
| 7 | 2.699 | 506 | 516 | 532 | rBV | 16230 | 28937 | 3.63% | 0.415% |
| 8 | 2.789 | 538 | 544 | 553 | rVB2 | 151 | 273 | 0.03% | 0.004% |
| 9 | 3.288 | 696 | 699 | 706 | rVB2 | 144 | 155 | 0.02% | 0.002% |
| 10 | 3.494 | 759 | 763 | 768 | rVB | 164 | 173 | 0.02% | 0.002% |
| 11 | 3.693 | 822 | 825 | 830 | rVB2 | 223 | 210 | 0.03% | 0.003% |
| 12 | 3.812 | 845 | 862 | 899 | rBV2 | 80453 | 298923 | 37.46% | 4.292% |
| 13 | 4.249 | 982 | 998 | 1024 | rBV | 121693 | 314479 | 39.41% | 4.515% |
| 14 | 4.796 | 1164 | 1168 | 1169 | rBV2 | 218 | 180 | 0.02% | 0.003% |
| 15 | 4.957 | 1201 | 1218 | 1256 | rBV2 | 298724 | 797949 | 100.00% | 11.457% |
| 16 | 5.330 | 1332 | 1334 | 1337 | rBV | 380 | 298 | 0.04% | 0.004% |
| 17 | 5.423 | 1361 | 1363 | 1366 | rVB2 | 277 | 174 | 0.02% | 0.002% |
| 18 | 5.442 | 1366 | 1369 | 1372 | rBV | 183 | 164 | 0.02% | 0.002% |
| 19 | 5.532 | 1386 | 1397 | 1425 | rBV | 282006 | 580407 | 72.74% | 8.333% |
| 20 | 5.838 | 1482 | 1492 | 1523 | rVB5 | 29331 | 63406 | 7.95% | 0.910% |
| 21 | 5.989 | 1526 | 1539 | 1578 | rBV | 173104 | 359636 | 45.07% | 5.164% |
| 22 | 6.146 | 1586 | 1588 | 1593 | rVB4 | 401 | 226 | 0.03% | 0.003% |
| 23 | 6.201 | 1603 | 1605 | 1609 | rBV | 335 | 238 | 0.03% | 0.003% |
| 24 | 6.516 | 1699 | 1703 | 1710 | rBV2 | 197 | 293 | 0.04% | 0.004% |
| 25 | 6.915 | 1815 | 1827 | 1847 | rBV | 97092 | 182109 | 22.82% | 2.615% |
| 26 | 7.178 | 1906 | 1909 | 1911 | rBV3 | 555 | 345 | 0.04% | 0.005% |
| 27 | 7.243 | 1918 | 1929 | 1956 | rBV | 364258 | 633900 | 79.44% | 9.102% |
| 28 | 7.555 | 2015 | 2026 | 2063 | rBV | 65359 | 122288 | 15.33% | 1.756% |
| 29 | 7.731 | 2079 | 2081 | 2084 | rVB2 | 276 | 143 | 0.02% | 0.002% |
| 30 | 7.799 | 2096 | 2102 | 2108 | rBV2 | 127 | 182 | 0.02% | 0.003% |
| 31 | 7.828 | 2108 | 2111 | 2117 | rBV2 | 146 | 176 | 0.02% | 0.003% |
| 32 | 7.908 | 2117 | 2136 | 2153 | rBV2 | 67535 | 116777 | 14.63% | 1.677% |
| 33 | 8.024 | 2163 | 2172 | 2211 | rBV | 179539 | 347883 | 43.60% | 4.995% |
| 34 | 8.278 | 2248 | 2251 | 2257 | rVB5 | 847 | 848 | 0.11% | 0.012% |
| 35 | 8.426 | 2295 | 2297 | 2302 | rVB | 212 | 149 | 0.02% | 0.002% |
| 36 | 8.522 | 2325 | 2327 | 2330 | rVB | 412 | 234 | 0.03% | 0.003% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011924\
Data File : VV033761.D
Acq On : 19 Jan 2024 18:00
Operator : SY/MD
Sample : P1190-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
DCMS3

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 | 8.609 | 2349 | 2354 | 2355 | rBV | 181 | 141 | 0.02% | 0.002% |
| 38 | 8.783 | 2398 | 2408 | 2438 | rBV | 435276 | 707319 | 88.64% | 10.156% |
| 39 | 8.992 | 2469 | 2473 | 2476 | rVB | 293 | 190 | 0.02% | 0.003% |
| 40 | 9.034 | 2482 | 2486 | 2490 | rVB3 | 284 | 223 | 0.03% | 0.003% |
| 41 | 9.056 | 2490 | 2493 | 2494 | rBV | 256 | 141 | 0.02% | 0.002% |
| 42 | 9.088 | 2500 | 2503 | 2513 | rVB2 | 1018 | 1082 | 0.14% | 0.016% |
| 43 | 9.255 | 2550 | 2555 | 2558 | rVB | 267 | 277 | 0.03% | 0.004% |
| 44 | 9.410 | 2593 | 2603 | 2604 | rBV4 | 1072 | 1508 | 0.19% | 0.022% |
| 45 | 9.445 | 2610 | 2614 | 2617 | rBV3 | 212 | 168 | 0.02% | 0.002% |
| 46 | 9.490 | 2625 | 2628 | 2636 | rVB2 | 277 | 226 | 0.03% | 0.003% |
| 47 | 9.609 | 2661 | 2665 | 2666 | rBV | 710 | 479 | 0.06% | 0.007% |
| 48 | 9.641 | 2667 | 2675 | 2682 | rVB4 | 2526 | 4025 | 0.50% | 0.058% |
| 49 | 9.735 | 2696 | 2704 | 2712 | rBV4 | 2282 | 3936 | 0.49% | 0.057% |
| 50 | 9.792 | 2719 | 2722 | 2728 | rVB3 | 843 | 644 | 0.08% | 0.009% |
| 51 | 9.870 | 2738 | 2746 | 2747 | rBV | 286 | 263 | 0.03% | 0.004% |
| 52 | 9.960 | 2772 | 2774 | 2777 | rVB | 371 | 226 | 0.03% | 0.003% |
| 53 | 10.062 | 2799 | 2806 | 2814 | rVB5 | 1202 | 1597 | 0.20% | 0.023% |
| 54 | 10.153 | 2823 | 2834 | 2854 | rBV | 227139 | 361160 | 45.26% | 5.186% |
| 55 | 10.294 | 2875 | 2878 | 2879 | rBV | 355 | 219 | 0.03% | 0.003% |
| 56 | 10.313 | 2880 | 2884 | 2885 | rBV | 950 | 559 | 0.07% | 0.008% |
| 57 | 10.387 | 2901 | 2907 | 2908 | rBV3 | 830 | 767 | 0.10% | 0.011% |
| 58 | 10.445 | 2916 | 2925 | 2934 | rVB5 | 1372 | 2181 | 0.27% | 0.031% |
| 59 | 10.497 | 2938 | 2941 | 2942 | rBV | 359 | 206 | 0.03% | 0.003% |
| 60 | 10.551 | 2953 | 2958 | 2966 | rVB4 | 964 | 1188 | 0.15% | 0.017% |
| 61 | 10.667 | 2986 | 2994 | 3002 | rBV5 | 1818 | 2973 | 0.37% | 0.043% |
| 62 | 10.702 | 3003 | 3005 | 3010 | rVB4 | 577 | 339 | 0.04% | 0.005% |
| 63 | 10.828 | 3038 | 3044 | 3047 | rVV6 | 1119 | 1112 | 0.14% | 0.016% |
| 64 | 10.857 | 3051 | 3053 | 3058 | rBV3 | 401 | 305 | 0.04% | 0.004% |
| 65 | 10.995 | 3091 | 3096 | 3098 | rBV3 | 462 | 412 | 0.05% | 0.006% |
| 66 | 11.014 | 3098 | 3102 | 3103 | rVV2 | 346 | 239 | 0.03% | 0.003% |
| 67 | 11.027 | 3103 | 3106 | 3113 | rVB4 | 913 | 855 | 0.11% | 0.012% |
| 68 | 11.091 | 3120 | 3126 | 3137 | rVB4 | 1113 | 1439 | 0.18% | 0.021% |
| 69 | 11.185 | 3144 | 3155 | 3185 | rBV | 451550 | 699728 | 87.69% | 10.047% |
| 70 | 11.394 | 3218 | 3220 | 3227 | rVB3 | 328 | 255 | 0.03% | 0.004% |
| 71 | 11.461 | 3234 | 3241 | 3245 | rBV2 | 237 | 389 | 0.05% | 0.006% |
| 72 | 11.484 | 3245 | 3248 | 3250 | rBV2 | 317 | 267 | 0.03% | 0.004% |
| 73 | 11.561 | 3257 | 3272 | 3296 | rBV | 375742 | 597179 | 74.84% | 8.574% |
| 74 | 11.693 | 3311 | 3313 | 3319 | rVB2 | 720 | 409 | 0.05% | 0.006% |
| 75 | 11.725 | 3321 | 3323 | 3327 | rVB2 | 359 | 222 | 0.03% | 0.003% |
| 76 | 11.760 | 3327 | 3334 | 3346 | rBV4 | 1175 | 1621 | 0.20% | 0.023% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011924\
Data File : VV033761.D
Acq On : 19 Jan 2024 18:00
Operator : SY/MD
Sample : P1190-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
DCMS3

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 | 11.863 | 3361 | 3366 | 3369 | rBV2 | 225 | 245 | 0.03% | 0.004% |
| 78 | 11.956 | 3389 | 3395 | 3403 | rBV4 | 1020 | 1405 | 0.18% | 0.020% |
| 79 | 12.053 | 3420 | 3425 | 3430 | rBV3 | 558 | 550 | 0.07% | 0.008% |
| 80 | 12.406 | 3531 | 3535 | 3538 | rBV3 | 230 | 228 | 0.03% | 0.003% |
| 81 | 12.786 | 3650 | 3653 | 3658 | rVB3 | 224 | 171 | 0.02% | 0.002% |
| 82 | 12.824 | 3658 | 3665 | 3670 | rBV4 | 529 | 727 | 0.09% | 0.010% |
| 83 | 12.943 | 3700 | 3702 | 3707 | rBV3 | 203 | 165 | 0.02% | 0.002% |
| 84 | 13.107 | 3749 | 3753 | 3755 | rBV2 | 165 | 143 | 0.02% | 0.002% |
| 85 | 13.136 | 3759 | 3762 | 3766 | rVB | 188 | 148 | 0.02% | 0.002% |
| 86 | 13.168 | 3767 | 3772 | 3773 | rBV | 170 | 149 | 0.02% | 0.002% |
| 87 | 13.246 | 3792 | 3796 | 3799 | rBV | 216 | 227 | 0.03% | 0.003% |
| 88 | 13.410 | 3843 | 3847 | 3850 | rBV2 | 194 | 181 | 0.02% | 0.003% |
| 89 | 13.445 | 3855 | 3858 | 3859 | rBV2 | 297 | 168 | 0.02% | 0.002% |
| 90 | 13.947 | 4011 | 4014 | 4017 | rVB2 | 279 | 176 | 0.02% | 0.003% |
| 91 | 14.062 | 4047 | 4050 | 4053 | rBV | 204 | 173 | 0.02% | 0.002% |
| 92 | 14.162 | 4077 | 4081 | 4085 | rBV | 301 | 293 | 0.04% | 0.004% |
| 93 | 14.657 | 4230 | 4235 | 4238 | rBV2 | 431 | 481 | 0.06% | 0.007% |
| 94 | 14.834 | 4286 | 4290 | 4298 | rBV2 | 359 | 512 | 0.06% | 0.007% |
| 95 | 14.992 | 4337 | 4339 | 4341 | rBV | 358 | 216 | 0.03% | 0.003% |
| 96 | 15.291 | 4426 | 4432 | 4437 | rBV4 | 576 | 820 | 0.10% | 0.012% |
| 97 | 15.406 | 4465 | 4468 | 4469 | rBV | 368 | 189 | 0.02% | 0.003% |
| 98 | 15.609 | 4529 | 4531 | 4534 | rVB4 | 462 | 239 | 0.03% | 0.003% |
| 99 | 15.680 | 4551 | 4553 | 4558 | rBV4 | 421 | 284 | 0.04% | 0.004% |
| 100 | 16.252 | 4725 | 4731 | 4736 | rVB5 | 3449 | 3819 | 0.48% | 0.055% |

Sum of corrected areas: 6964768

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011924\
Data File : VV033761.D
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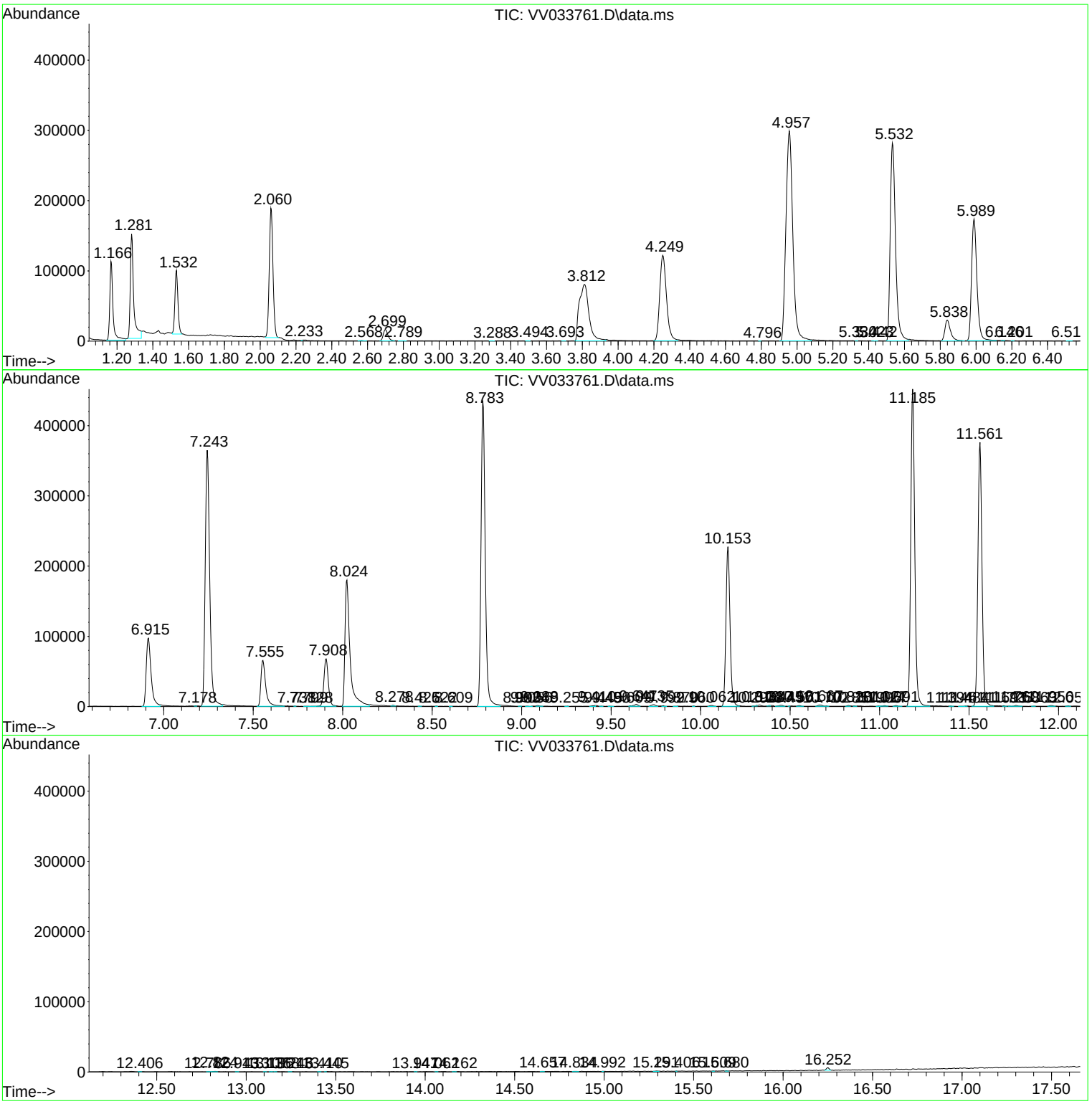
Sample : P1190-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
DCMS3

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 : VV033761.D
Acq On : 19 Jan 2024 18:00
Operator : SY/MD
Sample : P1190-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
DCMS3

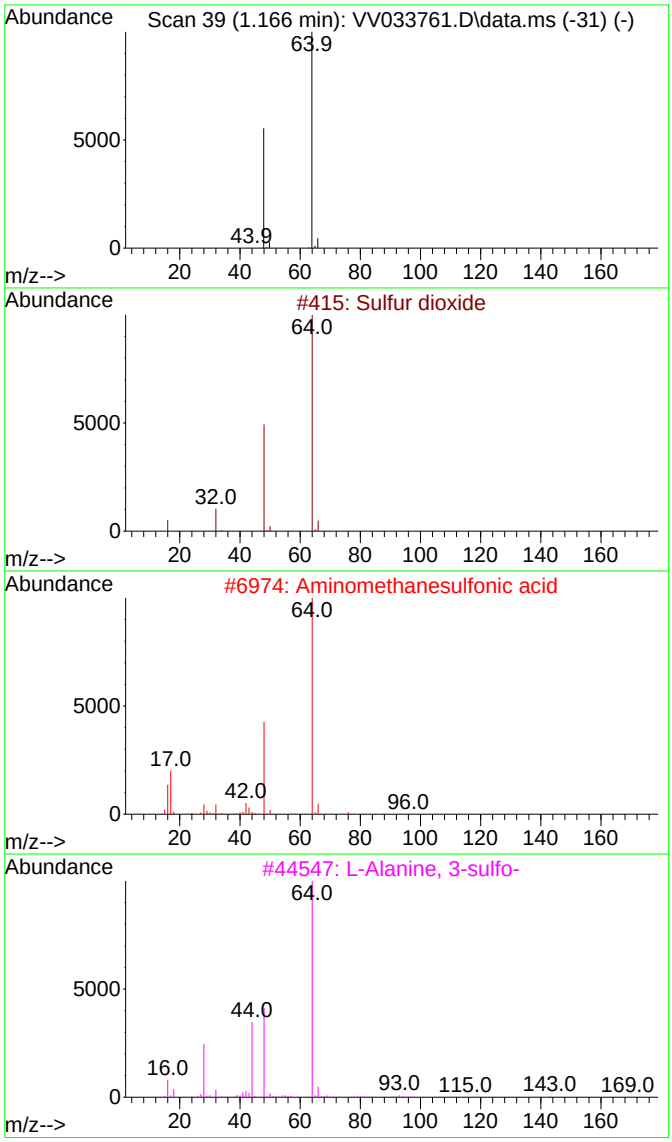
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
Quant Title : VOC Analysis

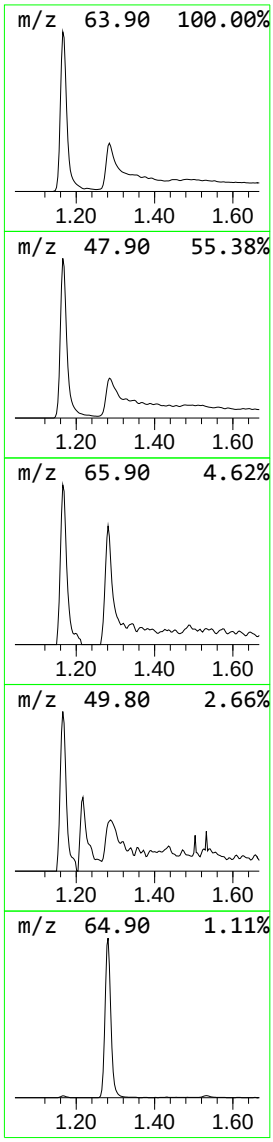
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.166 | 11.80 ug/L | 136960 | 1,4-Difluorobenzene | 5.532 |

| 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 | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 9 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011924\
Data File : VV033761.D
Acq On : 19 Jan 2024 18:00
Operator : SY/MD
Sample : P1190-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
DCMS3

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

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Sulfur dioxide | 1.166 | 11.8 | ug/L | 136960 | 1 | 5.532 | 580407 | 50.0 |