LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011924\
Data File : VV033771.D
Acq On : 19 Jan 2024 22:47
Operator : SY/MD
Sample : P1189-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
DCMN1

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: VV033771.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 | 32 | 39 | 53 | rBV | 151262 | 175319 | 21.99% | 2.574% |
| 2 | 1.278 | 65 | 74 | 105 | rBV2 | 193044 | 331878 | 41.62% | 4.873% |
| 3 | 1.529 | 146 | 152 | 169 | rVB | 91910 | 114326 | 14.34% | 1.679% |
| 4 | 2.060 | 308 | 317 | 341 | rVB | 189604 | 285770 | 35.84% | 4.196% |
| 5 | 2.217 | 363 | 366 | 368 | rBV3 | 442 | 315 | 0.04% | 0.005% |
| 6 | 2.243 | 369 | 374 | 386 | rVV | 2290 | 3694 | 0.46% | 0.054% |
| 7 | 2.455 | 433 | 440 | 444 | rBV4 | 735 | 843 | 0.11% | 0.012% |
| 8 | 2.548 | 466 | 469 | 471 | rBV4 | 330 | 268 | 0.03% | 0.004% |
| 9 | 2.587 | 479 | 481 | 487 | rVB3 | 497 | 329 | 0.04% | 0.005% |
| 10 | 2.674 | 505 | 508 | 513 | rVB3 | 197 | 156 | 0.02% | 0.002% |
| 11 | 2.696 | 513 | 515 | 520 | rBV3 | 292 | 241 | 0.03% | 0.004% |
| 12 | 2.908 | 578 | 581 | 588 | rBV2 | 159 | 191 | 0.02% | 0.003% |
| 13 | 3.108 | 640 | 643 | 645 | rBV | 222 | 162 | 0.02% | 0.002% |
| 14 | 3.783 | 845 | 853 | 887 | rBV | 47857 | 148353 | 18.60% | 2.178% |
| 15 | 4.188 | 974 | 979 | 982 | rBV2 | 247 | 297 | 0.04% | 0.004% |
| 16 | 4.249 | 982 | 998 | 1024 | rVV | 122553 | 313583 | 39.33% | 4.604% |
| 17 | 4.957 | 1202 | 1218 | 1247 | rBV3 | 299854 | 797398 | 100.00% | 11.708% |
| 18 | 5.416 | 1357 | 1361 | 1364 | rBV | 257 | 196 | 0.02% | 0.003% |
| 19 | 5.532 | 1386 | 1397 | 1424 | rBV | 278104 | 571777 | 71.71% | 8.396% |
| 20 | 5.748 | 1462 | 1464 | 1470 | rVB2 | 205 | 170 | 0.02% | 0.002% |
| 21 | 5.838 | 1486 | 1492 | 1493 | rBV4 | 1578 | 1253 | 0.16% | 0.018% |
| 22 | 5.911 | 1511 | 1515 | 1519 | rVB2 | 272 | 248 | 0.03% | 0.004% |
| 23 | 5.989 | 1526 | 1539 | 1565 | rBV | 175537 | 361693 | 45.36% | 5.311% |
| 24 | 6.140 | 1583 | 1586 | 1587 | rBV2 | 530 | 304 | 0.04% | 0.004% |
| 25 | 6.204 | 1604 | 1606 | 1612 | rVB2 | 306 | 276 | 0.03% | 0.004% |
| 26 | 6.239 | 1612 | 1617 | 1623 | rBV2 | 254 | 364 | 0.05% | 0.005% |
| 27 | 6.638 | 1735 | 1741 | 1749 | rBV3 | 265 | 335 | 0.04% | 0.005% |
| 28 | 6.728 | 1764 | 1769 | 1772 | rVB2 | 149 | 153 | 0.02% | 0.002% |
| 29 | 6.915 | 1817 | 1827 | 1855 | rBV | 92954 | 176500 | 22.13% | 2.592% |
| 30 | 7.146 | 1896 | 1899 | 1905 | rVB3 | 237 | 263 | 0.03% | 0.004% |
| 31 | 7.243 | 1918 | 1929 | 1959 | rBV | 364198 | 642548 | 80.58% | 9.435% |
| 32 | 7.555 | 2014 | 2026 | 2057 | rBV | 61543 | 114729 | 14.39% | 1.685% |
| 33 | 7.680 | 2063 | 2065 | 2068 | rVB2 | 335 | 173 | 0.02% | 0.003% |
| 34 | 7.747 | 2083 | 2086 | 2090 | rBV2 | 217 | 208 | 0.03% | 0.003% |
| 35 | 7.805 | 2099 | 2104 | 2106 | rBV2 | 203 | 186 | 0.02% | 0.003% |
| 36 | 7.876 | 2123 | 2126 | 2130 | rVV | 422 | 469 | 0.06% | 0.007% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011924\
Data File : VV033771.D
Acq On : 19 Jan 2024 22:47
Operator : SY/MD
Sample : P1189-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** DCMN1

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 | 7.911 | 2130 | 2137 | 2148 | rVV3 | 3404 | 5579 | 0.70% | 0.082% |
| 38 | 8.024 | 2163 | 2172 | 2220 | rBV | 179801 | 348598 | 43.72% | 5.119% |
| 39 | 8.580 | 2342 | 2345 | 2351 | rVB2 | 226 | 188 | 0.02% | 0.003% |
| 40 | 8.783 | 2397 | 2408 | 2440 | rBV | 423084 | 701173 | 87.93% | 10.296% |
| 41 | 8.982 | 2467 | 2470 | 2479 | rVB2 | 270 | 217 | 0.03% | 0.003% |
| 42 | 9.101 | 2504 | 2507 | 2512 | rBV2 | 171 | 171 | 0.02% | 0.003% |
| 43 | 9.307 | 2565 | 2571 | 2574 | rBV2 | 130 | 161 | 0.02% | 0.002% |
| 44 | 9.567 | 2645 | 2652 | 2655 | rBV | 185 | 234 | 0.03% | 0.003% |
| 45 | 9.706 | 2692 | 2695 | 2699 | rVV | 251 | 209 | 0.03% | 0.003% |
| 46 | 9.892 | 2750 | 2753 | 2755 | rVB2 | 392 | 255 | 0.03% | 0.004% |
| 47 | 9.995 | 2778 | 2785 | 2790 | rBV | 222 | 307 | 0.04% | 0.005% |
| 48 | 10.152 | 2820 | 2834 | 2862 | rBV | 228962 | 358719 | 44.99% | 5.267% |
| 49 | 10.329 | 2882 | 2889 | 2893 | rVB2 | 330 | 419 | 0.05% | 0.006% |
| 50 | 10.580 | 2964 | 2967 | 2970 | rBV2 | 227 | 156 | 0.02% | 0.002% |
| 51 | 11.008 | 3097 | 3100 | 3102 | rBV2 | 263 | 202 | 0.03% | 0.003% |
| 52 | 11.107 | 3128 | 3131 | 3134 | rBV2 | 405 | 350 | 0.04% | 0.005% |
| 53 | 11.185 | 3144 | 3155 | 3185 | rBV | 464184 | 706993 | 88.66% | 10.381% |
| 54 | 11.284 | 3185 | 3186 | 3190 | rBV2 | 310 | 167 | 0.02% | 0.002% |
| 55 | 11.419 | 3225 | 3228 | 3233 | rBV | 143 | 150 | 0.02% | 0.002% |
| 56 | 11.503 | 3245 | 3254 | 3261 | rBV4 | 5574 | 10587 | 1.33% | 0.155% |
| 57 | 11.561 | 3261 | 3272 | 3295 | rVB | 382075 | 604166 | 75.77% | 8.871% |
| 58 | 11.686 | 3309 | 3311 | 3317 | rVB5 | 648 | 706 | 0.09% | 0.010% |
| 59 | 11.725 | 3320 | 3323 | 3326 | rVV3 | 481 | 426 | 0.05% | 0.006% |
| 60 | 11.824 | 3352 | 3354 | 3358 | rVB | 357 | 178 | 0.02% | 0.003% |
| 61 | 12.088 | 3430 | 3436 | 3439 | rBV4 | 382 | 350 | 0.04% | 0.005% |
| 62 | 12.104 | 3439 | 3441 | 3448 | rVB2 | 394 | 278 | 0.03% | 0.004% |
| 63 | 12.181 | 3462 | 3465 | 3466 | rBV | 396 | 205 | 0.03% | 0.003% |
| 64 | 12.197 | 3467 | 3470 | 3477 | rVB4 | 766 | 870 | 0.11% | 0.013% |
| 65 | 12.255 | 3483 | 3488 | 3489 | rBV3 | 326 | 257 | 0.03% | 0.004% |
| 66 | 12.278 | 3491 | 3495 | 3497 | rBV2 | 395 | 287 | 0.04% | 0.004% |
| 67 | 12.336 | 3509 | 3513 | 3518 | rVB3 | 281 | 240 | 0.03% | 0.004% |
| 68 | 12.516 | 3566 | 3569 | 3574 | rBV | 203 | 158 | 0.02% | 0.002% |
| 69 | 12.651 | 3608 | 3611 | 3614 | rBV3 | 380 | 306 | 0.04% | 0.004% |
| 70 | 12.869 | 3672 | 3679 | 3692 | rVV2 | 1549 | 2626 | 0.33% | 0.039% |
| 71 | 13.094 | 3739 | 3749 | 3752 | rBV6 | 1916 | 3066 | 0.38% | 0.045% |
| 72 | 13.246 | 3793 | 3796 | 3798 | rBV3 | 442 | 243 | 0.03% | 0.004% |
| 73 | 13.384 | 3836 | 3839 | 3848 | rVB4 | 751 | 646 | 0.08% | 0.009% |
| 74 | 13.426 | 3848 | 3852 | 3854 | rBV3 | 501 | 388 | 0.05% | 0.006% |
| 75 | 13.455 | 3855 | 3861 | 3873 | rVB6 | 1663 | 2733 | 0.34% | 0.040% |
| 76 | 13.506 | 3873 | 3877 | 3878 | rBV3 | 260 | 163 | 0.02% | 0.002% |

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011924\
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Acq On : 19 Jan 2024 22:47
Operator : SY/MD
Sample : P1189-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
DCMN1

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 | 13.564 | 3894 | 3895 | 3901 | rVB2 | 239 | 190 | 0.02% | 0.003% |
| 78 | 13.596 | 3901 | 3905 | 3906 | rBV2 | 369 | 231 | 0.03% | 0.003% |
| 79 | 13.657 | 3921 | 3924 | 3929 | rBV2 | 292 | 299 | 0.04% | 0.004% |
| 80 | 13.763 | 3953 | 3957 | 3961 | rBV3 | 280 | 275 | 0.03% | 0.004% |
| 81 | 13.818 | 3970 | 3974 | 3978 | rVB4 | 497 | 429 | 0.05% | 0.006% |
| 82 | 13.873 | 3986 | 3991 | 3992 | rBV2 | 350 | 287 | 0.04% | 0.004% |
| 83 | 13.911 | 4000 | 4003 | 4005 | rBV2 | 380 | 221 | 0.03% | 0.003% |
| 84 | 13.924 | 4005 | 4007 | 4015 | rVB3 | 513 | 485 | 0.06% | 0.007% |
| 85 | 14.078 | 4050 | 4055 | 4059 | rVB3 | 278 | 321 | 0.04% | 0.005% |
| 86 | 14.101 | 4059 | 4062 | 4066 | rBV2 | 395 | 340 | 0.04% | 0.005% |
| 87 | 14.146 | 4072 | 4076 | 4079 | rBV3 | 265 | 193 | 0.02% | 0.003% |
| 88 | 14.184 | 4084 | 4088 | 4092 | rBV2 | 212 | 189 | 0.02% | 0.003% |
| 89 | 14.284 | 4117 | 4119 | 4124 | rVB | 348 | 242 | 0.03% | 0.004% |
| 90 | 14.348 | 4133 | 4139 | 4147 | rBV5 | 1145 | 1662 | 0.21% | 0.024% |
| 91 | 14.509 | 4186 | 4189 | 4190 | rBV2 | 265 | 154 | 0.02% | 0.002% |
| 92 | 14.721 | 4252 | 4255 | 4257 | rBV | 280 | 192 | 0.02% | 0.003% |
| 93 | 14.786 | 4269 | 4275 | 4284 | rBV4 | 2186 | 2984 | 0.37% | 0.044% |
| 94 | 14.895 | 4304 | 4309 | 4310 | rBV2 | 530 | 372 | 0.05% | 0.005% |
| 95 | 15.040 | 4350 | 4354 | 4357 | rBV4 | 417 | 410 | 0.05% | 0.006% |
| 96 | 15.098 | 4369 | 4372 | 4374 | rBV | 366 | 221 | 0.03% | 0.003% |
| 97 | 15.133 | 4381 | 4383 | 4385 | rBV | 366 | 199 | 0.02% | 0.003% |
| 98 | 15.274 | 4425 | 4427 | 4430 | rBV2 | 346 | 208 | 0.03% | 0.003% |
| 99 | 15.345 | 4447 | 4449 | 4452 | rBV2 | 383 | 210 | 0.03% | 0.003% |
| 100 | 15.721 | 4560 | 4566 | 4573 | rVB7 | 1688 | 2030 | 0.25% | 0.030% |

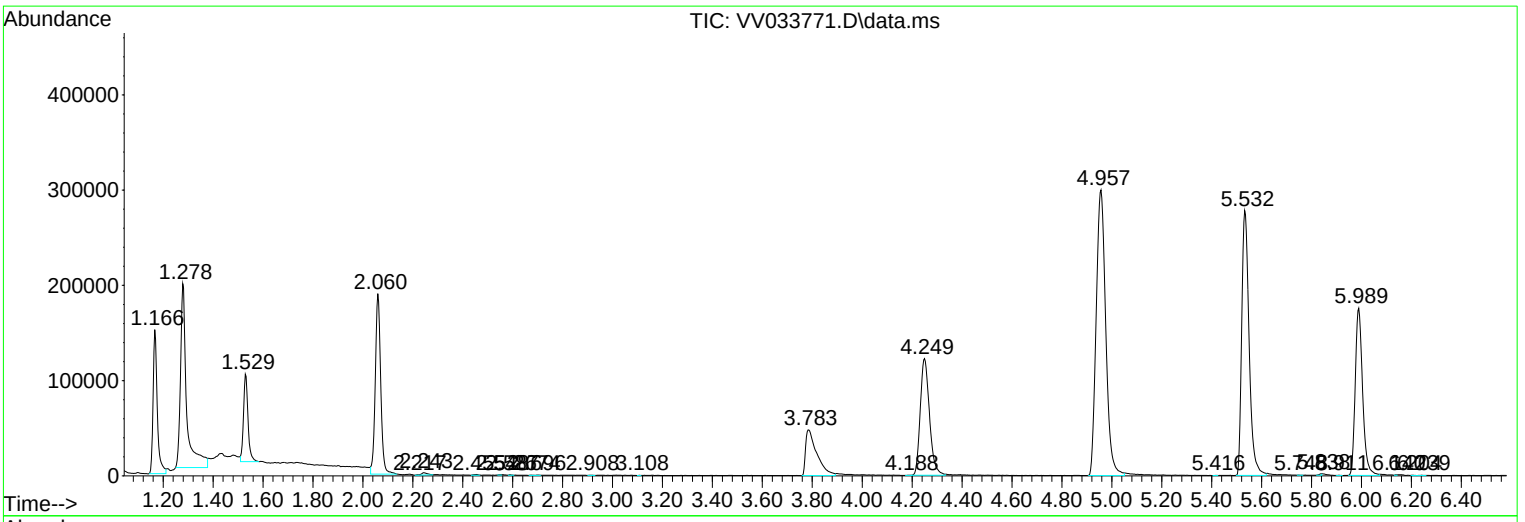
Sum of corrected areas: 6810439

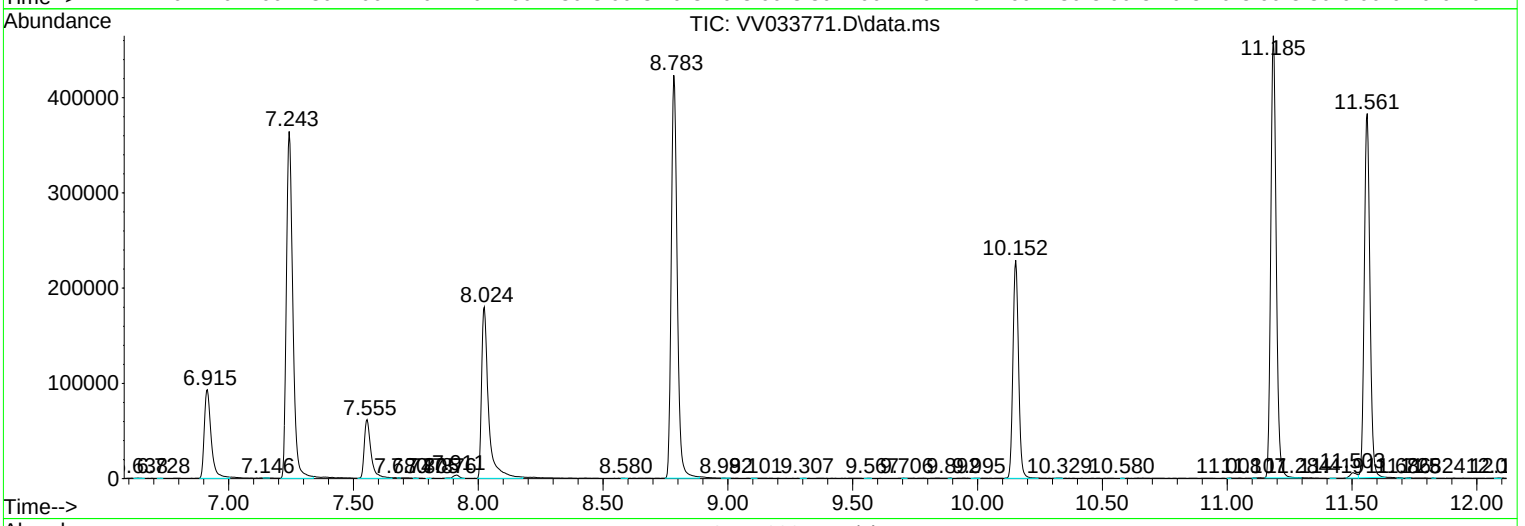
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011924\
Data File : VV033771.D
Acq On : 19 Jan 2024 22:47
Operator : SY/MD
Sample : P1189-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

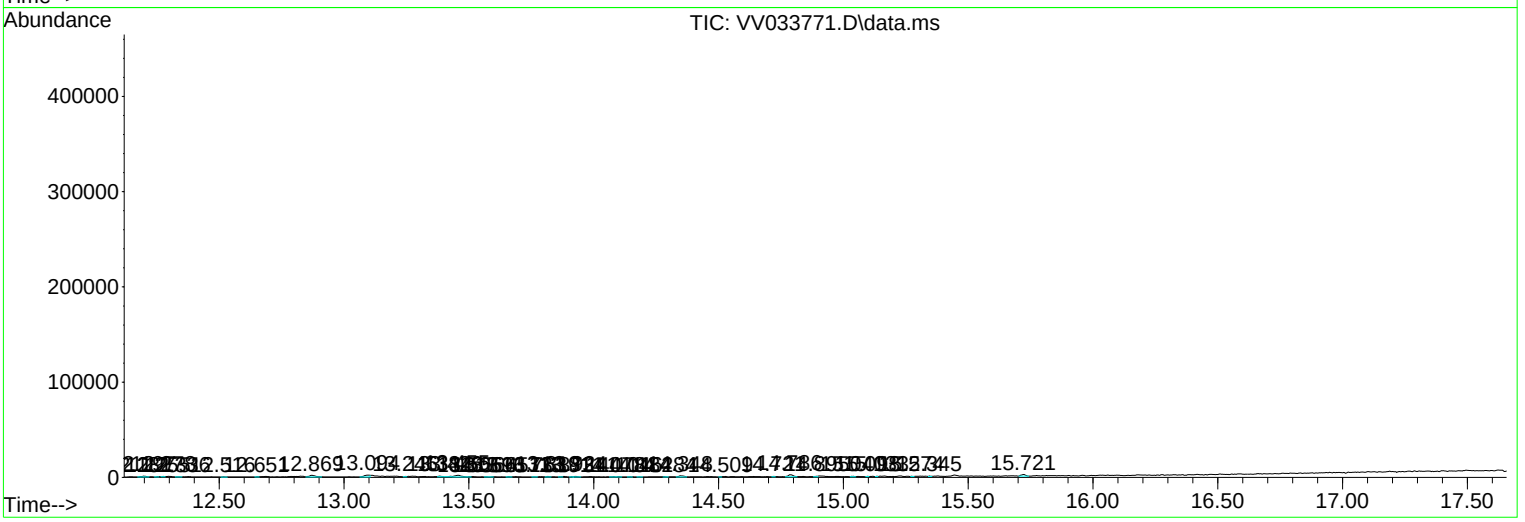
**Instrument :**
MSVOA_V
**ClientSampleId :**
DCMN1

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 : VV033771.D
Acq On : 19 Jan 2024 22:47
Operator : SY/MD
Sample : P1189-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
DCMN1

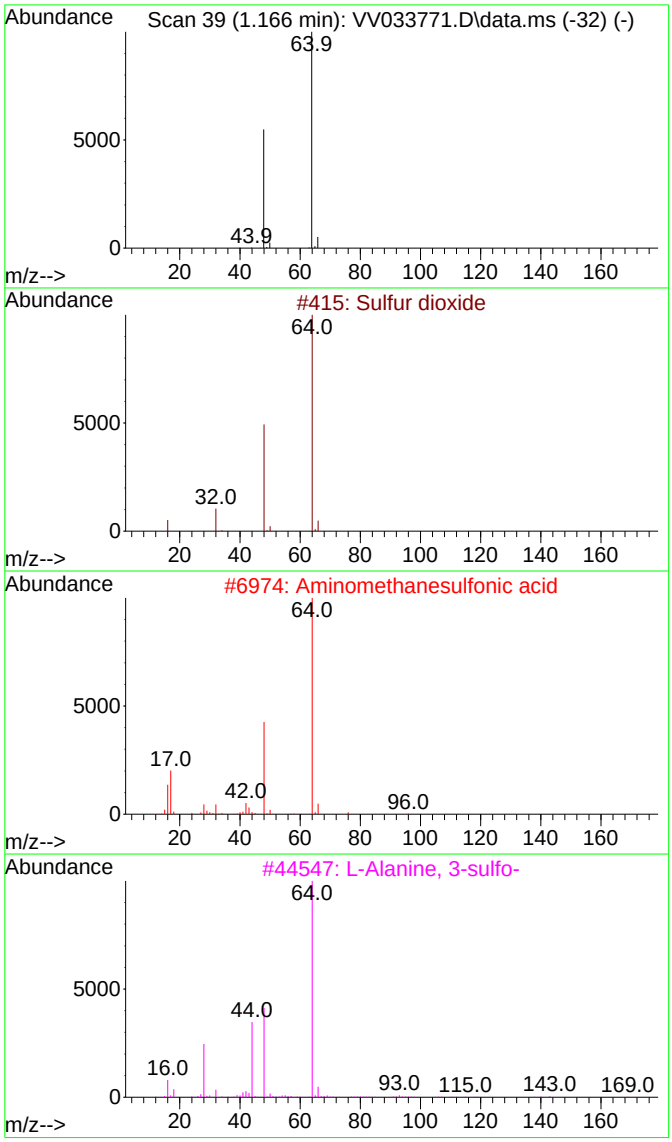
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
Quant Title : VOC Analysis

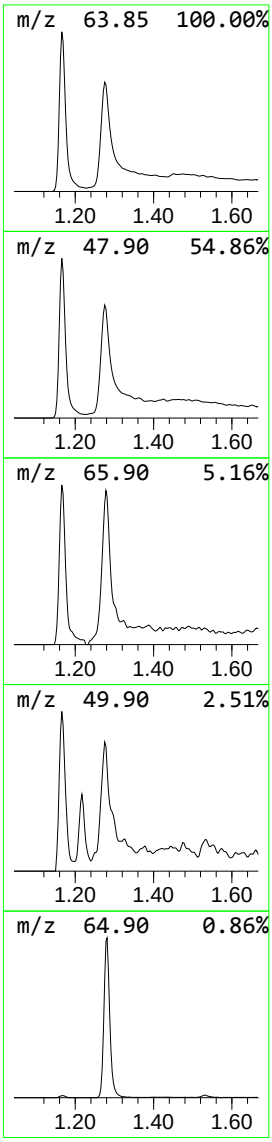
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.166 | 15.33 ug/L | 175319 | 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 : VV033771.D
Acq On : 19 Jan 2024 22:47
Operator : SY/MD
Sample : P1189-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
DCMN1

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 | 15.3 | ug/L | 175319 | 1 | 5.532 | 571777 | 50.0 |