LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072724\
Data File : VX042571.D
Acq On : 25 Jul 2024 16:58
Operator : JC/MD
Sample : P3334-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** E20E6

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_X\Method\SFAMXLM070324WMA.M
Title : VOC Analysis

Signal : TIC: VX042571.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.240 | 22 | 25 | 41 | rBV | 43626 | 55299 | 13.33% | 1.924% |
| 2 | 1.368 | 43 | 46 | 57 | rVB | 28569 | 37024 | 8.93% | 1.288% |
| 3 | 1.648 | 89 | 92 | 101 | rVB | 30292 | 36850 | 8.89% | 1.282% |
| 4 | 2.294 | 193 | 198 | 208 | rBV | 58384 | 90943 | 21.93% | 3.165% |
| 5 | 2.392 | 208 | 214 | 222 | rBV | 4170 | 8356 | 2.01% | 0.291% |
| 6 | 2.569 | 237 | 243 | 253 | rBV2 | 5651 | 11084 | 2.67% | 0.386% |
| 7 | 2.782 | 274 | 278 | 286 | rBV2 | 1606 | 3306 | 0.80% | 0.115% |
| 8 | 2.861 | 289 | 291 | 294 | rVB | 213 | 153 | 0.04% | 0.005% |
| 9 | 2.886 | 294 | 295 | 297 | rBV | 136 | 112 | 0.03% | 0.004% |
| 10 | 2.947 | 297 | 305 | 320 | rVB | 7436 | 17568 | 4.24% | 0.611% |
| 11 | 3.062 | 322 | 324 | 325 | rBV | 259 | 180 | 0.04% | 0.006% |
| 12 | 3.093 | 327 | 329 | 331 | rBV2 | 304 | 187 | 0.05% | 0.007% |
| 13 | 3.184 | 341 | 344 | 347 | rBV | 104 | 163 | 0.04% | 0.006% |
| 14 | 3.239 | 351 | 353 | 354 | rVB | 178 | 115 | 0.03% | 0.004% |
| 15 | 3.264 | 354 | 357 | 358 | rBV | 144 | 165 | 0.04% | 0.006% |
| 16 | 3.337 | 365 | 369 | 374 | rBV2 | 308 | 511 | 0.12% | 0.018% |
| 17 | 3.422 | 380 | 383 | 384 | rBV2 | 168 | 153 | 0.04% | 0.005% |
| 18 | 3.556 | 403 | 405 | 407 | rVV2 | 143 | 128 | 0.03% | 0.004% |
| 19 | 3.599 | 409 | 412 | 414 | rBV | 133 | 146 | 0.04% | 0.005% |
| 20 | 3.623 | 414 | 416 | 419 | rBV | 119 | 129 | 0.03% | 0.004% |
| 21 | 3.703 | 428 | 429 | 432 | rVB | 114 | 114 | 0.03% | 0.004% |
| 22 | 3.727 | 432 | 433 | 436 | rBV2 | 132 | 158 | 0.04% | 0.005% |
| 23 | 3.782 | 441 | 442 | 444 | rBV2 | 100 | 91 | 0.02% | 0.003% |
| 24 | 3.849 | 451 | 453 | 455 | rBV2 | 71 | 73 | 0.02% | 0.003% |
| 25 | 3.879 | 455 | 458 | 459 | rBV2 | 112 | 88 | 0.02% | 0.003% |
| 26 | 4.196 | 508 | 510 | 512 | rVB | 101 | 79 | 0.02% | 0.003% |
| 27 | 4.355 | 534 | 536 | 539 | rVB | 128 | 103 | 0.02% | 0.004% |
| 28 | 4.465 | 546 | 554 | 571 | rBV | 42650 | 131046 | 31.60% | 4.561% |
| 29 | 4.739 | 597 | 599 | 600 | rVB | 177 | 84 | 0.02% | 0.003% |
| 30 | 4.867 | 618 | 620 | 621 | rVB | 189 | 95 | 0.02% | 0.003% |
| 31 | 4.977 | 636 | 638 | 639 | rBV | 114 | 72 | 0.02% | 0.003% |
| 32 | 5.062 | 639 | 652 | 668 | rBV2 | 56369 | 175161 | 42.24% | 6.096% |
| 33 | 5.391 | 705 | 706 | 709 | rVV2 | 107 | 110 | 0.03% | 0.004% |
| 34 | 5.452 | 714 | 716 | 717 | rBV | 141 | 87 | 0.02% | 0.003% |
| 35 | 5.556 | 731 | 733 | 739 | rBV | 209 | 332 | 0.08% | 0.012% |
| 36 | 5.660 | 748 | 750 | 752 | rBV2 | 108 | 115 | 0.03% | 0.004% |

LSC Area Percent Report

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Acq On : 25 Jul 2024 16:58
Operator : JC/MD
Sample : P3334-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
E20E6

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_X\Method\SFAMXLM070324WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 5.721 | 757 | 760 | 761 | rBV | 87 | 85 | 0.02% | 0.003% |
| 38 | 5.769 | 766 | 768 | 770 | rBV2 | 134 | 145 | 0.03% | 0.005% |
| 39 | 5.964 | 788 | 800 | 820 | rBV2 | 138664 | 414700 | 100.00% | 14.432% |
| 40 | 6.269 | 848 | 850 | 854 | rBV2 | 149 | 215 | 0.05% | 0.007% |
| 41 | 6.324 | 857 | 859 | 862 | rBV | 99 | 107 | 0.03% | 0.004% |
| 42 | 6.355 | 862 | 864 | 865 | rBV | 88 | 75 | 0.02% | 0.003% |
| 43 | 6.580 | 898 | 901 | 902 | rBV2 | 145 | 154 | 0.04% | 0.005% |
| 44 | 6.666 | 911 | 915 | 916 | rBV | 162 | 232 | 0.06% | 0.008% |
| 45 | 6.763 | 922 | 931 | 942 | rBV | 100111 | 239959 | 57.86% | 8.351% |
| 46 | 7.043 | 976 | 977 | 979 | rBV | 92 | 86 | 0.02% | 0.003% |
| 47 | 7.129 | 986 | 991 | 997 | rBV5 | 1444 | 3133 | 0.76% | 0.109% |
| 48 | 7.202 | 1002 | 1003 | 1006 | rBV | 203 | 249 | 0.06% | 0.009% |
| 49 | 7.312 | 1012 | 1021 | 1037 | rBV | 85023 | 193281 | 46.61% | 6.726% |
| 50 | 7.489 | 1049 | 1050 | 1053 | rBV2 | 193 | 127 | 0.03% | 0.004% |
| 51 | 7.873 | 1112 | 1113 | 1115 | rBV | 161 | 144 | 0.03% | 0.005% |
| 52 | 7.952 | 1121 | 1126 | 1134 | rBV4 | 614 | 1367 | 0.33% | 0.048% |
| 53 | 8.116 | 1151 | 1153 | 1155 | rBV2 | 82 | 77 | 0.02% | 0.003% |
| 54 | 8.226 | 1168 | 1171 | 1172 | rBV2 | 109 | 135 | 0.03% | 0.005% |
| 55 | 8.330 | 1182 | 1188 | 1196 | rBV | 38749 | 67117 | 16.18% | 2.336% |
| 56 | 8.446 | 1205 | 1207 | 1209 | rVB | 133 | 70 | 0.02% | 0.002% |
| 57 | 8.513 | 1213 | 1218 | 1220 | rBV | 422 | 776 | 0.19% | 0.027% |
| 58 | 8.647 | 1234 | 1240 | 1249 | rBV | 148942 | 241089 | 58.14% | 8.390% |
| 59 | 8.952 | 1285 | 1290 | 1300 | rBV | 27811 | 42503 | 10.25% | 1.479% |
| 60 | 9.104 | 1313 | 1315 | 1318 | rVB | 122 | 97 | 0.02% | 0.003% |
| 61 | 9.275 | 1338 | 1343 | 1348 | rVB3 | 1717 | 2117 | 0.51% | 0.074% |
| 62 | 9.385 | 1356 | 1361 | 1376 | rBV | 162686 | 252409 | 60.87% | 8.784% |
| 63 | 9.592 | 1394 | 1395 | 1397 | rBV2 | 347 | 287 | 0.07% | 0.010% |
| 64 | 10.006 | 1461 | 1463 | 1465 | rBV | 99 | 83 | 0.02% | 0.003% |
| 65 | 10.055 | 1465 | 1471 | 1486 | rBV | 172016 | 240316 | 57.95% | 8.363% |
| 66 | 10.201 | 1493 | 1495 | 1501 | rVB2 | 731 | 773 | 0.19% | 0.027% |
| 67 | 10.256 | 1501 | 1504 | 1506 | rBV3 | 174 | 191 | 0.05% | 0.007% |
| 68 | 10.305 | 1509 | 1512 | 1519 | rVV3 | 890 | 1479 | 0.36% | 0.051% |
| 69 | 10.372 | 1521 | 1523 | 1524 | rBV | 155 | 111 | 0.03% | 0.004% |
| 70 | 10.470 | 1537 | 1539 | 1540 | rVB | 155 | 80 | 0.02% | 0.003% |
| 71 | 10.500 | 1540 | 1544 | 1545 | rBV2 | 124 | 116 | 0.03% | 0.004% |
| 72 | 10.653 | 1565 | 1569 | 1577 | rBV4 | 739 | 1759 | 0.42% | 0.061% |
| 73 | 10.768 | 1586 | 1588 | 1592 | rVV2 | 167 | 136 | 0.03% | 0.005% |
| 74 | 10.872 | 1604 | 1605 | 1607 | rBV2 | 93 | 73 | 0.02% | 0.003% |
| 75 | 10.957 | 1617 | 1619 | 1624 | rVB3 | 178 | 257 | 0.06% | 0.009% |
| 76 | 11.116 | 1643 | 1645 | 1647 | rBV | 99 | 72 | 0.02% | 0.003% |

LSC Area Percent Report

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Operator : JC/MD
Sample : P3334-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** E20E6

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_X\Method\SFAMXLM070324WMA.M
Title : VOC Analysis

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 11.195 | 1652 | 1658 | 1664 | rBV | 183953 | 248424 | 59.90% | 8.646% |
| 78 | 11.311 | 1675 | 1677 | 1684 | rVB2 | 297 | 404 | 0.10% | 0.014% |
| 79 | 11.415 | 1692 | 1694 | 1696 | rBV | 164 | 97 | 0.02% | 0.003% |
| 80 | 11.451 | 1698 | 1700 | 1704 | rVB2 | 357 | 430 | 0.10% | 0.015% |
| 81 | 11.561 | 1716 | 1718 | 1720 | rBV | 130 | 114 | 0.03% | 0.004% |
| 82 | 11.756 | 1747 | 1750 | 1754 | rVB | 466 | 458 | 0.11% | 0.016% |
| 83 | 11.896 | 1772 | 1773 | 1776 | rBV | 105 | 86 | 0.02% | 0.003% |
| 84 | 11.982 | 1782 | 1787 | 1789 | rBV3 | 315 | 440 | 0.11% | 0.015% |
| 85 | 12.024 | 1789 | 1794 | 1802 | rBV | 124254 | 158056 | 38.11% | 5.501% |
| 86 | 12.219 | 1822 | 1826 | 1833 | rVB3 | 2434 | 3741 | 0.90% | 0.130% |
| 87 | 12.274 | 1833 | 1835 | 1836 | rVB2 | 135 | 96 | 0.02% | 0.003% |
| 88 | 12.317 | 1837 | 1842 | 1856 | rBV | 136812 | 182836 | 44.09% | 6.363% |
| 89 | 12.811 | 1921 | 1923 | 1924 | rBV | 150 | 128 | 0.03% | 0.004% |
| 90 | 12.908 | 1938 | 1939 | 1940 | rBV | 176 | 111 | 0.03% | 0.004% |
| 91 | 12.988 | 1950 | 1952 | 1953 | rBV | 146 | 103 | 0.02% | 0.004% |
| 92 | 13.426 | 2023 | 2024 | 2026 | rBV | 104 | 73 | 0.02% | 0.003% |
| 93 | 13.548 | 2042 | 2044 | 2046 | rBV2 | 108 | 127 | 0.03% | 0.004% |
| 94 | 13.689 | 2064 | 2067 | 2069 | rBV | 167 | 182 | 0.04% | 0.006% |
| 95 | 14.030 | 2121 | 2123 | 2125 | rBV | 125 | 89 | 0.02% | 0.003% |
| 96 | 14.414 | 2184 | 2186 | 2188 | rBV2 | 138 | 138 | 0.03% | 0.005% |
| 97 | 14.457 | 2192 | 2193 | 2196 | rVB2 | 257 | 150 | 0.04% | 0.005% |
| 98 | 14.634 | 2221 | 2222 | 2223 | rBV | 274 | 131 | 0.03% | 0.005% |
| 99 | 14.719 | 2234 | 2236 | 2237 | rBV2 | 240 | 181 | 0.04% | 0.006% |
| 100 | 16.652 | 2551 | 2553 | 2555 | rBV | 325 | 284 | 0.07% | 0.010% |

Sum of corrected areas: 2873441

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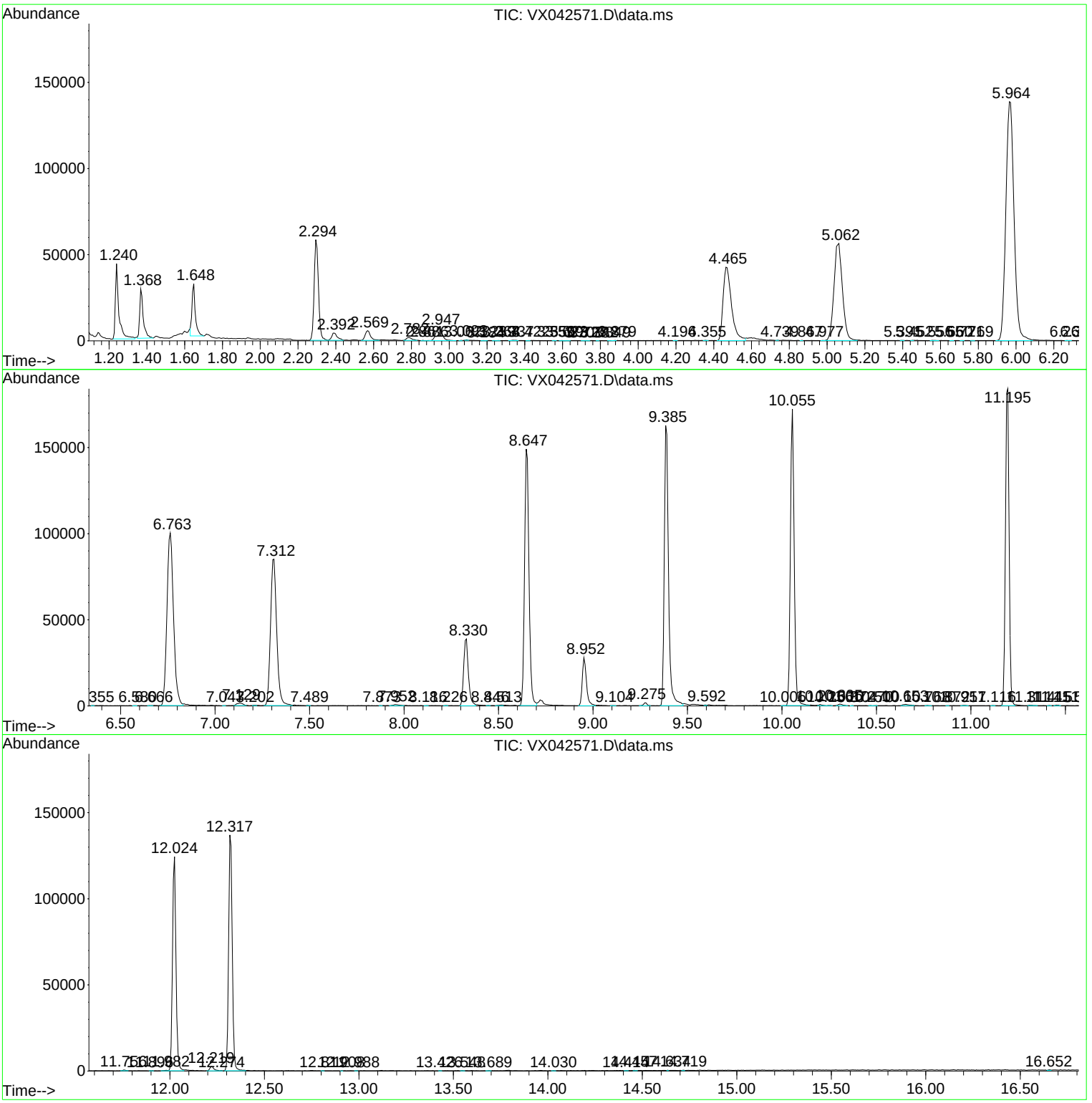
Sample : P3334-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
E20E6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM070324WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072724\
Data File : VX042571.D
Acq On : 25 Jul 2024 16:58
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ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
E20E6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM070324WMA.M
Quant Title : VOC Analysis

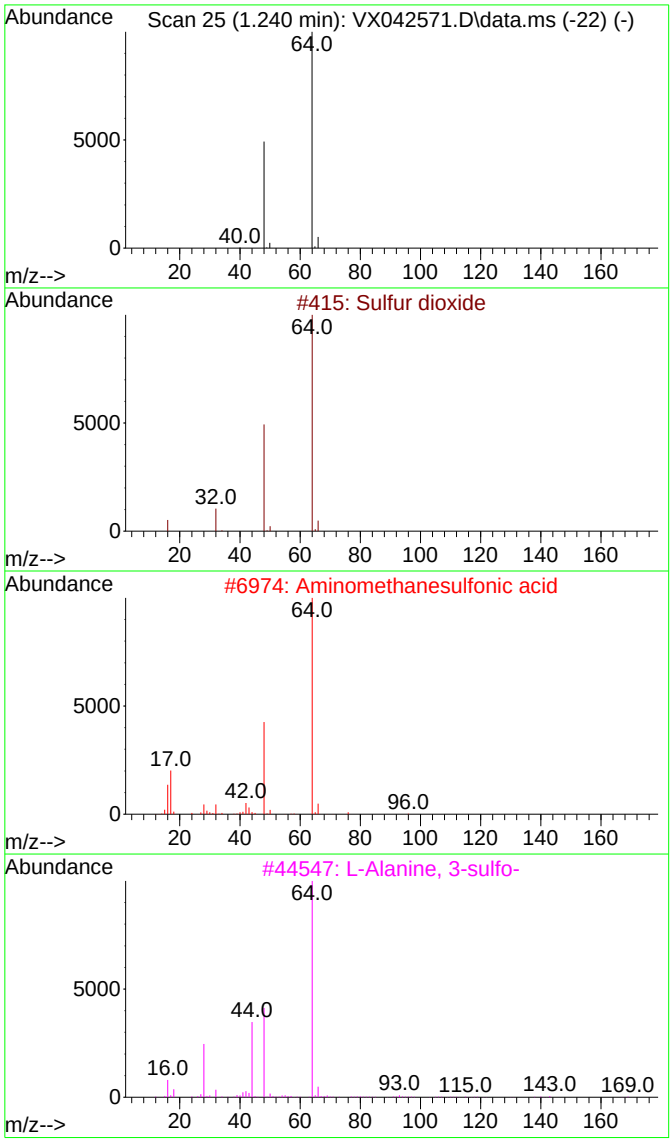
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

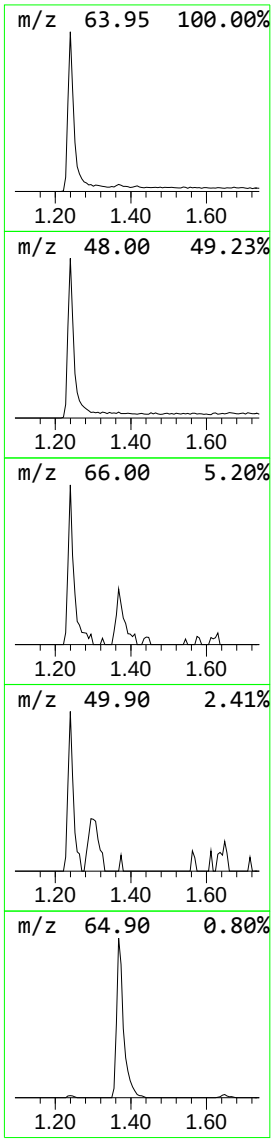
**********

Peak Number 1 Sulfur dioxide Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.240 | 11.52 ug/L | 55299 | 1,4-Difluorobenzene | 6.763 |

| 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 | Sulfur dioxide | 64 | O2S | 007446-09-5 | 5 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072724\
Data File : VX042571.D
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Sample : P3334-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
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E20E6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM070324WMA.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 | 1.240 | 11.5 | ug/L | 55299 | 1 | 6.763 | 239959 | 50.0 |