LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072724\
Data File : VX042575.D
Acq On : 25 Jul 2024 18:31
Operator : JC/MD
Sample : P3334-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
E20H0

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: VX042575.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.142 | 7 | 9 | 17 | rVB | 5688 | 7688 | 1.69% | 0.230% |
| 2 | 1.240 | 22 | 25 | 35 | rBV | 33671 | 43349 | 9.53% | 1.296% |
| 3 | 1.368 | 43 | 46 | 57 | rVB | 33194 | 42748 | 9.40% | 1.278% |
| 4 | 1.648 | 89 | 92 | 100 | rVB | 30092 | 37824 | 8.31% | 1.131% |
| 5 | 2.209 | 182 | 184 | 185 | rVB | 240 | 128 | 0.03% | 0.004% |
| 6 | 2.227 | 185 | 187 | 188 | rVV | 155 | 122 | 0.03% | 0.004% |
| 7 | 2.300 | 192 | 199 | 210 | rVV | 76145 | 122262 | 26.88% | 3.656% |
| 8 | 2.386 | 210 | 213 | 222 | rVB | 1256 | 2556 | 0.56% | 0.076% |
| 9 | 2.501 | 230 | 232 | 235 | rBV | 343 | 446 | 0.10% | 0.013% |
| 10 | 2.569 | 238 | 243 | 249 | rBV2 | 839 | 1689 | 0.37% | 0.051% |
| 11 | 2.672 | 258 | 260 | 262 | rBV2 | 89 | 85 | 0.02% | 0.003% |
| 12 | 2.745 | 271 | 272 | 273 | rBV | 160 | 82 | 0.02% | 0.002% |
| 13 | 2.794 | 273 | 280 | 281 | rBV3 | 1066 | 1853 | 0.41% | 0.055% |
| 14 | 2.947 | 298 | 305 | 311 | rBV | 2406 | 4923 | 1.08% | 0.147% |
| 15 | 3.020 | 315 | 317 | 318 | rVB | 148 | 84 | 0.02% | 0.003% |
| 16 | 3.081 | 324 | 327 | 328 | rBV | 179 | 177 | 0.04% | 0.005% |
| 17 | 3.093 | 328 | 329 | 332 | rVB2 | 388 | 277 | 0.06% | 0.008% |
| 18 | 3.306 | 361 | 364 | 365 | rBV | 151 | 158 | 0.03% | 0.005% |
| 19 | 3.355 | 369 | 372 | 373 | rVB | 145 | 108 | 0.02% | 0.003% |
| 20 | 3.379 | 373 | 376 | 378 | rVB2 | 136 | 144 | 0.03% | 0.004% |
| 21 | 3.440 | 380 | 386 | 391 | rVB2 | 475 | 841 | 0.18% | 0.025% |
| 22 | 3.483 | 391 | 393 | 395 | rBV | 126 | 124 | 0.03% | 0.004% |
| 23 | 3.514 | 395 | 398 | 402 | rVB2 | 112 | 157 | 0.03% | 0.005% |
| 24 | 3.642 | 417 | 419 | 420 | rBV | 106 | 80 | 0.02% | 0.002% |
| 25 | 3.666 | 420 | 423 | 426 | rVB2 | 129 | 182 | 0.04% | 0.005% |
| 26 | 3.709 | 428 | 430 | 432 | rVB | 136 | 99 | 0.02% | 0.003% |
| 27 | 3.757 | 436 | 438 | 439 | rBV | 93 | 88 | 0.02% | 0.003% |
| 28 | 3.818 | 446 | 448 | 451 | rVB | 102 | 113 | 0.02% | 0.003% |
| 29 | 3.861 | 451 | 455 | 456 | rBV | 153 | 170 | 0.04% | 0.005% |
| 30 | 3.891 | 458 | 460 | 462 | rBV | 125 | 146 | 0.03% | 0.004% |
| 31 | 3.946 | 468 | 469 | 470 | rBV | 149 | 95 | 0.02% | 0.003% |
| 32 | 4.032 | 481 | 483 | 484 | rBV2 | 131 | 106 | 0.02% | 0.003% |
| 33 | 4.093 | 491 | 493 | 499 | rVB2 | 129 | 193 | 0.04% | 0.006% |
| 34 | 4.276 | 519 | 523 | 524 | rBV2 | 264 | 200 | 0.04% | 0.006% |
| 35 | 4.465 | 545 | 554 | 569 | rBV | 36485 | 107409 | 23.61% | 3.212% |
| 36 | 4.812 | 609 | 611 | 612 | rBV | 119 | 117 | 0.03% | 0.003% |

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Operator : JC/MD
Sample : P3334-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
E20H0

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 | 5.062 | 640 | 652 | 672 | rBV | 58936 | 184363 | 40.53% | 5.513% |
| 38 | 5.294 | 688 | 690 | 693 | rVB | 113 | 118 | 0.03% | 0.004% |
| 39 | 5.330 | 693 | 696 | 697 | rBV | 130 | 156 | 0.03% | 0.005% |
| 40 | 5.373 | 701 | 703 | 704 | rBV2 | 220 | 194 | 0.04% | 0.006% |
| 41 | 5.458 | 713 | 717 | 718 | rBV | 260 | 378 | 0.08% | 0.011% |
| 42 | 5.556 | 732 | 733 | 739 | rVB2 | 217 | 207 | 0.05% | 0.006% |
| 43 | 5.727 | 759 | 761 | 763 | rBV2 | 128 | 144 | 0.03% | 0.004% |
| 44 | 5.964 | 789 | 800 | 822 | rBV2 | 152372 | 454914 | 100.00% | 13.604% |
| 45 | 6.233 | 842 | 844 | 847 | rVV | 184 | 238 | 0.05% | 0.007% |
| 46 | 6.281 | 850 | 852 | 857 | rVB | 183 | 189 | 0.04% | 0.006% |
| 47 | 6.440 | 874 | 878 | 881 | rBV | 131 | 216 | 0.05% | 0.006% |
| 48 | 6.763 | 922 | 931 | 950 | rBV | 126430 | 302849 | 66.57% | 9.056% |
| 49 | 7.129 | 984 | 991 | 1004 | rBV2 | 22006 | 50976 | 11.21% | 1.524% |
| 50 | 7.220 | 1004 | 1006 | 1010 | rVB2 | 545 | 584 | 0.13% | 0.017% |
| 51 | 7.306 | 1012 | 1020 | 1038 | rBV | 91118 | 207126 | 45.53% | 6.194% |
| 52 | 7.494 | 1048 | 1051 | 1055 | rBV2 | 181 | 268 | 0.06% | 0.008% |
| 53 | 7.812 | 1101 | 1103 | 1104 | rBV | 132 | 100 | 0.02% | 0.003% |
| 54 | 7.860 | 1108 | 1111 | 1113 | rBV2 | 131 | 173 | 0.04% | 0.005% |
| 55 | 7.958 | 1122 | 1127 | 1129 | rBV3 | 532 | 644 | 0.14% | 0.019% |
| 56 | 8.086 | 1146 | 1148 | 1151 | rBV2 | 109 | 126 | 0.03% | 0.004% |
| 57 | 8.324 | 1182 | 1187 | 1201 | rBV | 42825 | 75071 | 16.50% | 2.245% |
| 58 | 8.458 | 1208 | 1209 | 1211 | rVB2 | 158 | 99 | 0.02% | 0.003% |
| 59 | 8.513 | 1216 | 1218 | 1219 | rBV | 266 | 185 | 0.04% | 0.006% |
| 60 | 8.647 | 1234 | 1240 | 1249 | rBV | 212977 | 336208 | 73.91% | 10.054% |
| 61 | 8.891 | 1279 | 1280 | 1281 | rBV | 145 | 92 | 0.02% | 0.003% |
| 62 | 8.952 | 1285 | 1290 | 1301 | rVV | 30794 | 47320 | 10.40% | 1.415% |
| 63 | 9.281 | 1340 | 1344 | 1347 | rBV | 904 | 988 | 0.22% | 0.030% |
| 64 | 9.336 | 1350 | 1353 | 1356 | rBV2 | 91 | 108 | 0.02% | 0.003% |
| 65 | 9.384 | 1356 | 1361 | 1380 | rBV | 149700 | 235752 | 51.82% | 7.050% |
| 66 | 10.055 | 1465 | 1471 | 1484 | rBV | 238237 | 327758 | 72.05% | 9.801% |
| 67 | 10.195 | 1492 | 1494 | 1500 | rVB2 | 947 | 1251 | 0.27% | 0.037% |
| 68 | 10.305 | 1508 | 1512 | 1519 | rVB2 | 1670 | 2741 | 0.60% | 0.082% |
| 69 | 10.360 | 1519 | 1521 | 1526 | rVB2 | 145 | 162 | 0.04% | 0.005% |
| 70 | 10.500 | 1542 | 1544 | 1545 | rBV2 | 100 | 88 | 0.02% | 0.003% |
| 71 | 10.555 | 1552 | 1553 | 1557 | rVB2 | 168 | 140 | 0.03% | 0.004% |
| 72 | 10.646 | 1565 | 1568 | 1573 | rVB2 | 844 | 1180 | 0.26% | 0.035% |
| 73 | 10.799 | 1592 | 1593 | 1597 | rBB | 111 | 94 | 0.02% | 0.003% |
| 74 | 10.963 | 1617 | 1620 | 1623 | rBV2 | 203 | 272 | 0.06% | 0.008% |
| 75 | 11.189 | 1652 | 1657 | 1671 | rBV | 193012 | 256378 | 56.36% | 7.667% |
| 76 | 11.390 | 1686 | 1690 | 1692 | rVV | 267 | 290 | 0.06% | 0.009% |

LSC Area Percent Report

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Acq On : 25 Jul 2024 18:31
Operator : JC/MD
Sample : P3334-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
E20H0

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 | 11.433 | 1696 | 1697 | 1698 | rBV | 159 | 91 | 0.02% | 0.003% |
| 78 | 11.451 | 1698 | 1700 | 1705 | rVB2 | 353 | 407 | 0.09% | 0.012% |
| 79 | 11.622 | 1725 | 1728 | 1731 | rBV3 | 273 | 388 | 0.09% | 0.012% |
| 80 | 11.756 | 1747 | 1750 | 1756 | rVB | 670 | 848 | 0.19% | 0.025% |
| 81 | 11.872 | 1766 | 1769 | 1770 | rBV2 | 150 | 183 | 0.04% | 0.005% |
| 82 | 12.024 | 1789 | 1794 | 1803 | rBV | 167353 | 220564 | 48.48% | 6.596% |
| 83 | 12.219 | 1822 | 1826 | 1833 | rBV | 4746 | 6682 | 1.47% | 0.200% |
| 84 | 12.317 | 1837 | 1842 | 1852 | rBV | 185807 | 245723 | 54.02% | 7.348% |
| 85 | 12.506 | 1871 | 1873 | 1874 | rVB | 210 | 107 | 0.02% | 0.003% |
| 86 | 12.579 | 1882 | 1885 | 1886 | rBV | 162 | 170 | 0.04% | 0.005% |
| 87 | 12.762 | 1912 | 1915 | 1916 | rBV | 127 | 129 | 0.03% | 0.004% |
| 88 | 13.030 | 1958 | 1959 | 1961 | rBV | 97 | 106 | 0.02% | 0.003% |
| 89 | 13.286 | 1999 | 2001 | 2003 | rBV2 | 231 | 205 | 0.05% | 0.006% |
| 90 | 13.463 | 2026 | 2030 | 2031 | rBV | 113 | 122 | 0.03% | 0.004% |
| 91 | 13.481 | 2031 | 2033 | 2036 | rBV2 | 145 | 185 | 0.04% | 0.006% |
| 92 | 13.560 | 2045 | 2046 | 2047 | rBV2 | 177 | 92 | 0.02% | 0.003% |
| 93 | 14.018 | 2120 | 2121 | 2125 | rVB2 | 179 | 120 | 0.03% | 0.004% |
| 94 | 14.073 | 2128 | 2130 | 2131 | rVB2 | 155 | 113 | 0.02% | 0.003% |
| 95 | 14.091 | 2131 | 2133 | 2136 | rBV | 140 | 90 | 0.02% | 0.003% |
| 96 | 14.207 | 2150 | 2152 | 2153 | rBV | 158 | 107 | 0.02% | 0.003% |
| 97 | 14.566 | 2209 | 2211 | 2213 | rBV2 | 165 | 125 | 0.03% | 0.004% |
| 98 | 14.615 | 2217 | 2219 | 2222 | rBV2 | 197 | 262 | 0.06% | 0.008% |
| 99 | 14.658 | 2225 | 2226 | 2227 | rBV | 200 | 85 | 0.02% | 0.003% |
| 100 | 14.761 | 2241 | 2243 | 2244 | rBV | 209 | 142 | 0.03% | 0.004% |

Sum of corrected areas: 3344009

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072724\
Data File : VX042575.D
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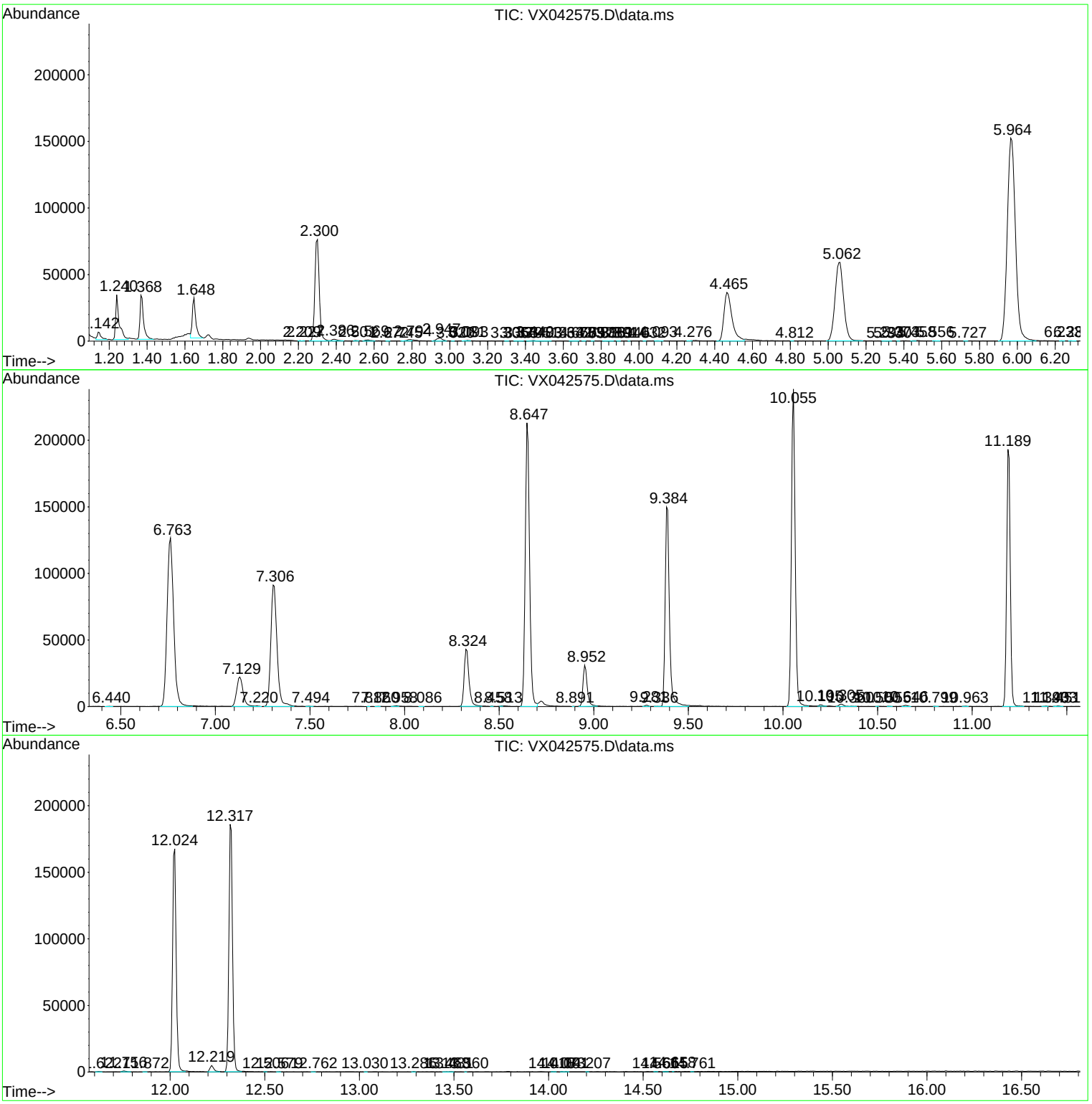
Sample : P3334-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
E20H0

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 : VX042575.D
Acq On : 25 Jul 2024 18:31
Operator : JC/MD
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
E20H0

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

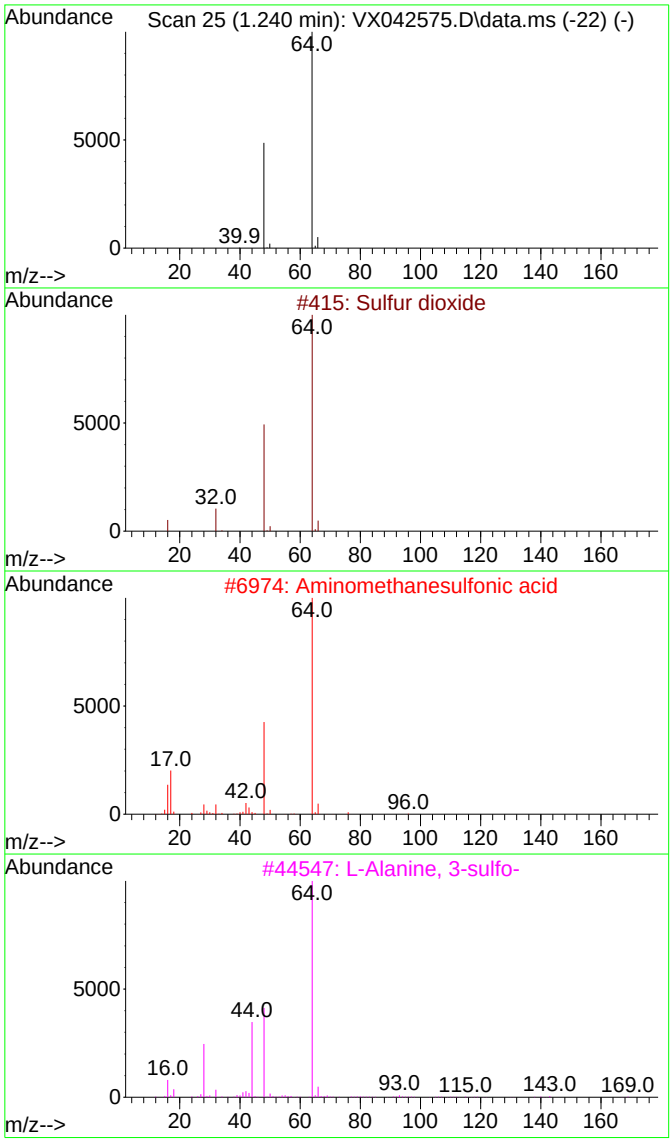
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

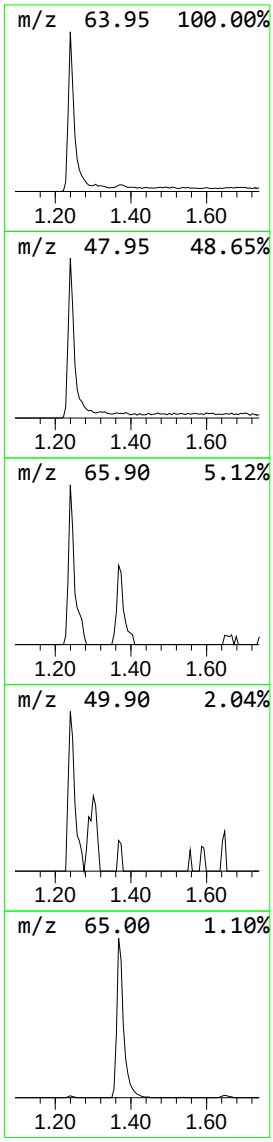
**********

Peak Number 1 Sulfur dioxide Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.240 | 7.16 ug/L | 43349 | 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 | Sulfur dioxide | 64 | O2S | 007446-09-5 | 5 |
| 5 | Ethyl Chloride | 64 | C2H5Cl | 000075-00-3 | 3 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072724\
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
E20H0

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 | 7.2 | ug/L | 43349 | 1 | 6.763 | 302849 | 50.0 |