LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051823\
Data File : VU054178.D
Acq On : 18 May 2023 20:29
Operator : JC/MD
Sample : 02844-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
GBX06

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_U\Method\SFAMUTR051823WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU054178.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.356 | 3 | 5 | 23 | rVB2 | 27666 | 29360 | 5.90% | 0.697% |
| 2 | 1.485 | 36 | 45 | 61 | rBV | 49508 | 146372 | 29.41% | 3.476% |
| 3 | 1.597 | 74 | 80 | 90 | rVB | 59390 | 68756 | 13.81% | 1.633% |
| 4 | 1.912 | 171 | 178 | 189 | rBV | 43218 | 57827 | 11.62% | 1.373% |
| 5 | 2.565 | 369 | 381 | 395 | rBV | 102007 | 165639 | 33.28% | 3.934% |
| 6 | 2.645 | 395 | 406 | 437 | rVB2 | 13633 | 41354 | 8.31% | 0.982% |
| 7 | 4.633 | 1012 | 1024 | 1054 | rBV | 44273 | 135169 | 27.16% | 3.210% |
| 8 | 4.806 | 1067 | 1078 | 1102 | rVB2 | 23142 | 54283 | 10.91% | 1.289% |
| 9 | 5.057 | 1141 | 1156 | 1180 | rVB2 | 82857 | 192924 | 38.76% | 4.582% |
| 10 | 5.719 | 1341 | 1362 | 1380 | rBV2 | 163973 | 419391 | 84.26% | 9.961% |
| 11 | 6.243 | 1511 | 1525 | 1545 | rBV | 213082 | 407287 | 81.83% | 9.673% |
| 12 | 6.687 | 1650 | 1663 | 1678 | rBV | 100186 | 196982 | 39.58% | 4.678% |
| 13 | 7.562 | 1919 | 1935 | 1953 | rBV | 49754 | 87985 | 17.68% | 2.090% |
| 14 | 7.893 | 2025 | 2038 | 2057 | rBV | 209678 | 366686 | 73.67% | 8.709% |
| 15 | 8.176 | 2116 | 2126 | 2140 | rBV2 | 30260 | 50351 | 10.12% | 1.196% |
| 16 | 8.629 | 2256 | 2267 | 2298 | rBV2 | 169663 | 334203 | 67.15% | 7.937% |
| 17 | 8.935 | 2350 | 2362 | 2376 | rBV3 | 4546 | 10450 | 2.10% | 0.248% |
| 18 | 9.414 | 2498 | 2511 | 2533 | rBV | 294438 | 497711 | 100.00% | 11.821% |
| 19 | 10.751 | 2915 | 2927 | 2942 | rBV2 | 69746 | 110839 | 22.27% | 2.632% |
| 20 | 11.806 | 3243 | 3255 | 3276 | rBV | 306371 | 489468 | 98.34% | 11.625% |
| 21 | 12.063 | 3326 | 3335 | 3355 | rBV7 | 6477 | 15848 | 3.18% | 0.376% |
| 22 | 12.189 | 3361 | 3374 | 3403 | rVB | 189238 | 313758 | 63.04% | 7.452% |
| 23 | 16.880 | 4827 | 4833 | 4840 | rBV9 | 3830 | 5480 | 1.10% | 0.130% |
| 24 | 17.278 | 4949 | 4957 | 4968 | rBV3 | 7737 | 12350 | 2.48% | 0.293% |

Sum of corrected areas: 4210473

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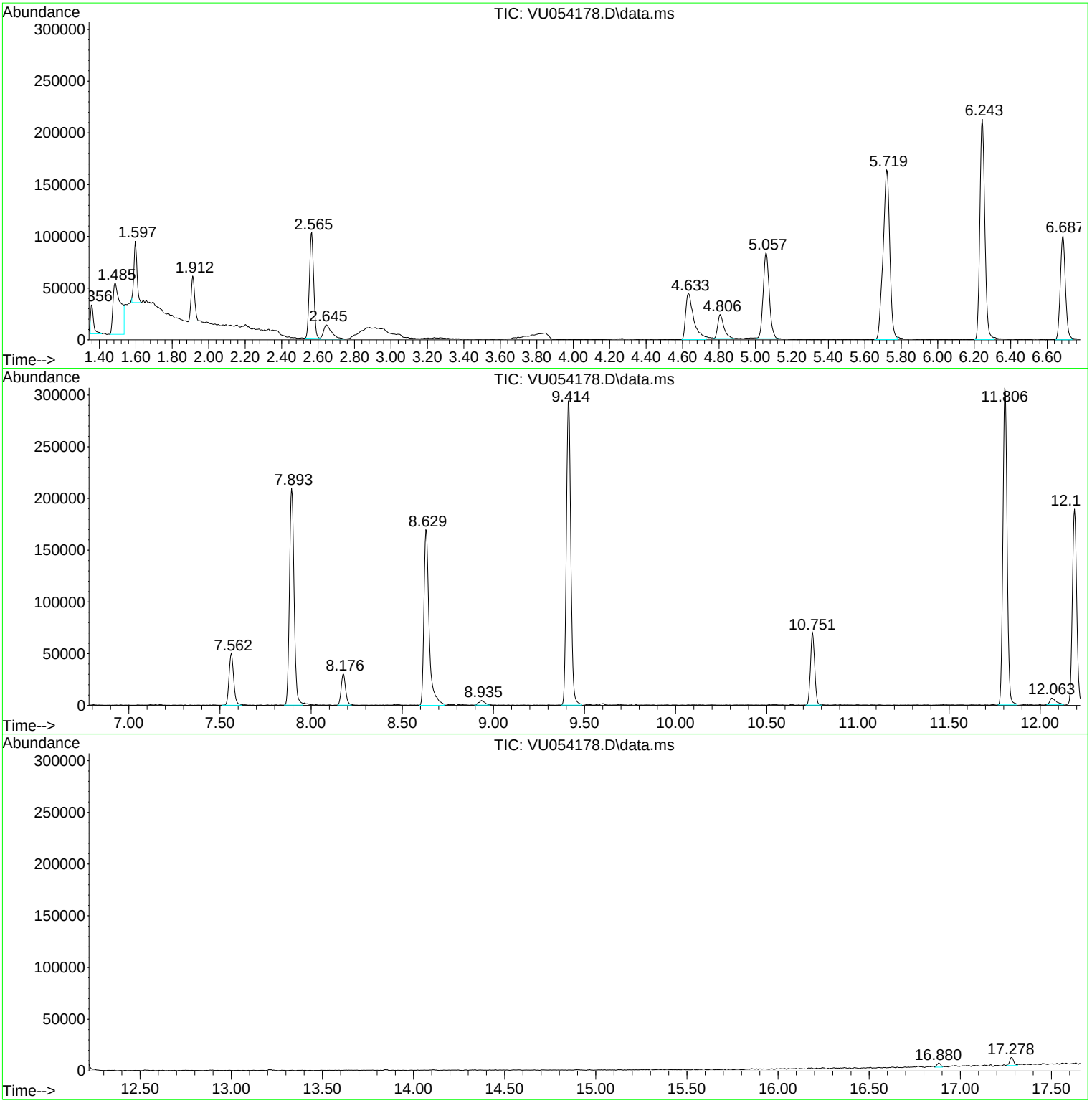
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051823WMA.M
Quant Title : TRACE VOA SFAM1.0

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



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GBX06

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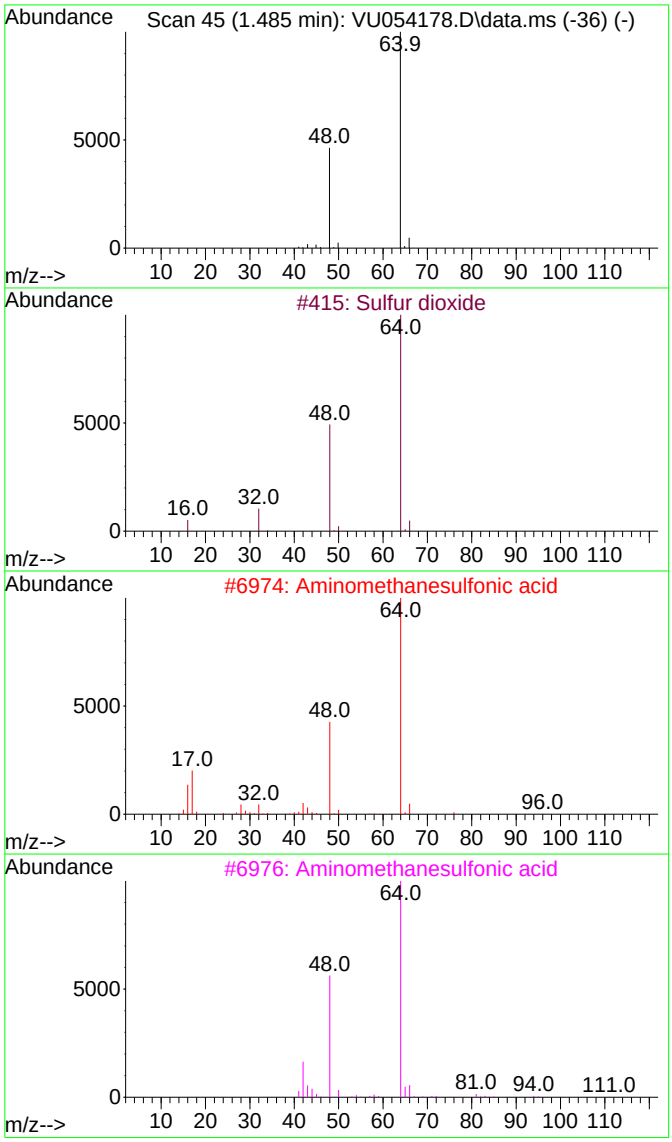
Quant Title : TRACE VOA SFAM1.0

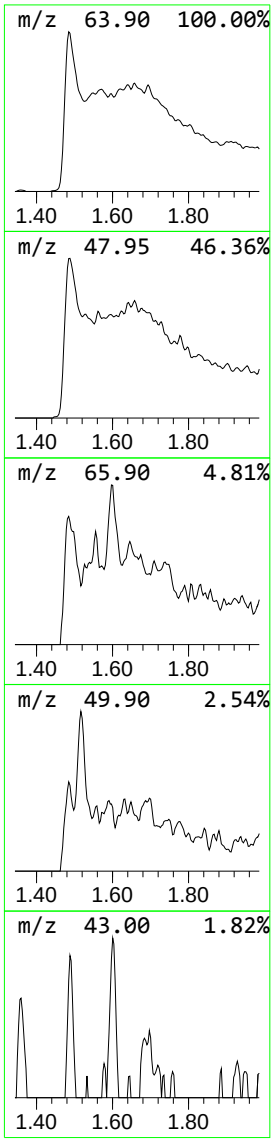
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.485 | 1.80 ug/L | 146372 | 1,4-Difluorobenzene | 6.243 |

| 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 | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 64 |
| 4 | L-Alanine, 3-sulfo- | 169 | C3H7NO5S | 000498-40-8 | 9 |
| 5 | Aminomethanesulfonic acid | 111 | CH5NO3S | 013881-91-9 | 9 |



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MSVOA_U
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GBX06

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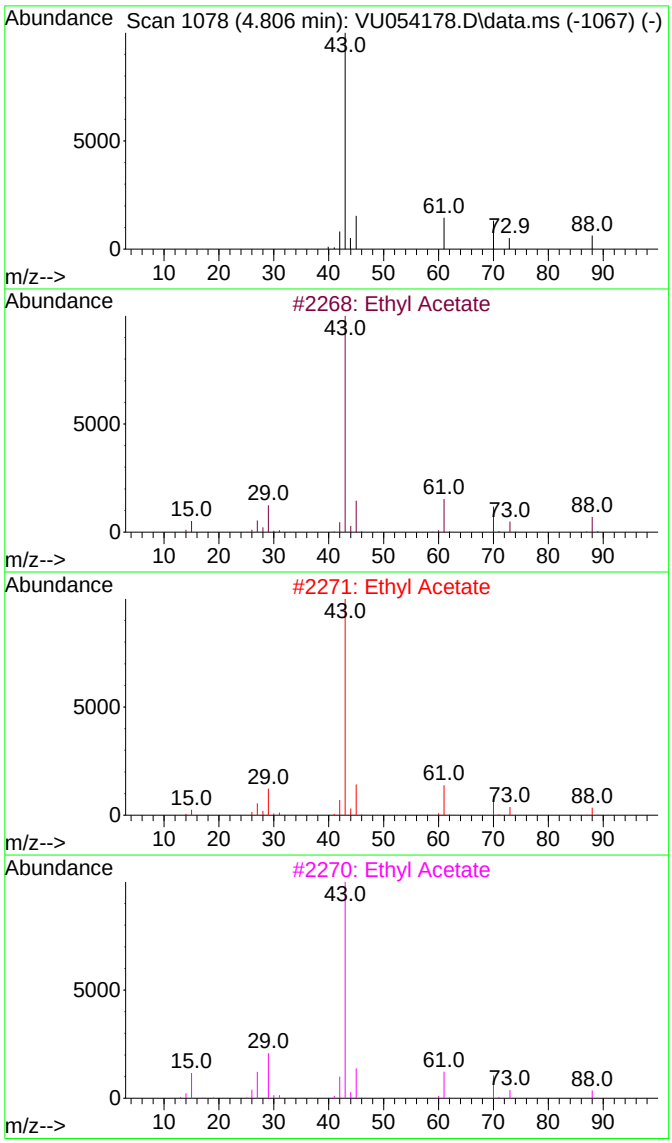
Quant Title : TRACE VOA SFAM1.0

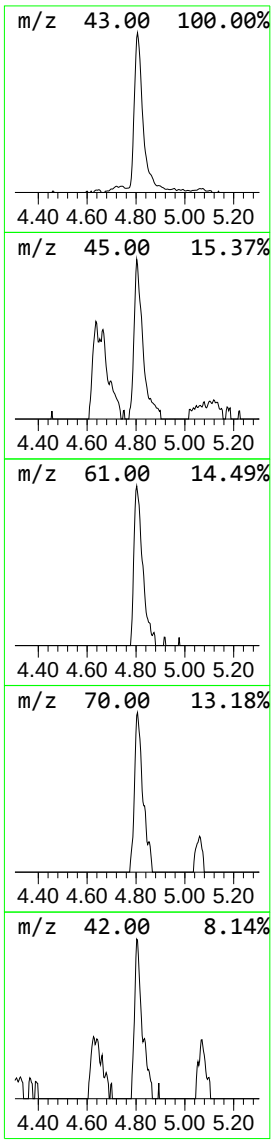
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Ethyl Acetate Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.806 | 0.67 ug/L | 54283 | 1,4-Difluorobenzene | 6.243 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethyl Acetate | 88 | C4H8O2 | 000141-78-6 | 90 |
| 2 | Ethyl Acetate | 88 | C4H8O2 | 000141-78-6 | 90 |
| 3 | Ethyl Acetate | 88 | C4H8O2 | 000141-78-6 | 90 |
| 4 | Ethyl Acetate | 88 | C4H8O2 | 000141-78-6 | 90 |
| 5 | CH3C(O)CH2CH2OH | 88 | C4H8O2 | 000590-90-9 | 78 |



Tentatively Identified Compound (LSC) summary

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Quant Title : TRACE VOA SFAM1.0

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 | 1.485 | 1.8 | ug/L | 146372 | 1 | 6.243 | 407287 | 5.0 |
| Ethyl Acetate | 4.806 | 0.7 | ug/L | 54283 | 1 | 6.243 | 407287 | 5.0 |