

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111720\  
 Data File : VU041288.D  
 Acq On : 17 Nov 2020 18:19  
 Operator : SY/MD  
 Sample : L4759-02  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H4413

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.1  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR111620WMA.M  
 Title : TRACE VOA SOM01.0

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.494       | 41            | 48          | 53           | rBV      | 52854          | 60699         | 4.76%           | 1.468%        |
| 2         | 1.536       | 53            | 61          | 62           | rVV3     | 15249          | 21325         | 1.67%           | 0.516%        |
| 3         | 1.607       | 76            | 83          | 92           | rBV3     | 132687         | 149342        | 11.72%          | 3.611%        |
| 4         | 1.922       | 176           | 181         | 196          | rVB      | 33343          | 45343         | 3.56%           | 1.096%        |
| 5         | 2.578       | 373           | 385         | 403          | rBV      | 52039          | 87917         | 6.90%           | 2.126%        |
| 6         | 3.379       | 616           | 634         | 666          | rBV      | 552188         | 1274002       | 100.00%         | 30.803%       |
| 7         | 3.890       | 778           | 793         | 808          | rBV2     | 12345          | 28037         | 2.20%           | 0.678%        |
| 8         | 4.684       | 1014          | 1040        | 1067         | rBV2     | 110929         | 365296        | 28.67%          | 8.832%        |
| 9         | 5.083       | 1149          | 1164        | 1184         | rBB      | 55518          | 122677        | 9.63%           | 2.966%        |
| 10        | 5.739       | 1348          | 1368        | 1397         | rBV2     | 107185         | 301312        | 23.65%          | 7.285%        |
| 11        | 6.263       | 1517          | 1531        | 1547         | rBV      | 89692          | 168282        | 13.21%          | 4.069%        |
| 12        | 6.555       | 1608          | 1622        | 1636         | rBB2     | 25954          | 48621         | 3.82%           | 1.176%        |
| 13        | 6.703       | 1654          | 1668        | 1684         | rBB2     | 69779          | 132866        | 10.43%          | 3.212%        |
| 14        | 7.575       | 1928          | 1939        | 1952         | rBV      | 32789          | 56723         | 4.45%           | 1.371%        |
| 15        | 7.906       | 2029          | 2042        | 2057         | rBV      | 113462         | 192725        | 15.13%          | 4.660%        |
| 16        | 8.186       | 2119          | 2129        | 2144         | rBV2     | 22962          | 37197         | 2.92%           | 0.899%        |
| 17        | 8.639       | 2258          | 2270        | 2294         | rBV      | 211641         | 377930        | 29.66%          | 9.138%        |
| 18        | 9.420       | 2501          | 2513        | 2531         | rBV      | 135276         | 222746        | 17.48%          | 5.386%        |
| 19        | 10.755      | 2916          | 2928        | 2942         | rBV      | 58328          | 91700         | 7.20%           | 2.217%        |
| 20        | 11.809      | 3244          | 3256        | 3271         | rVB      | 111772         | 175325        | 13.76%          | 4.239%        |
| 21        | 12.189      | 3361          | 3374        | 3387         | rBV      | 112862         | 175937        | 13.81%          | 4.254%        |

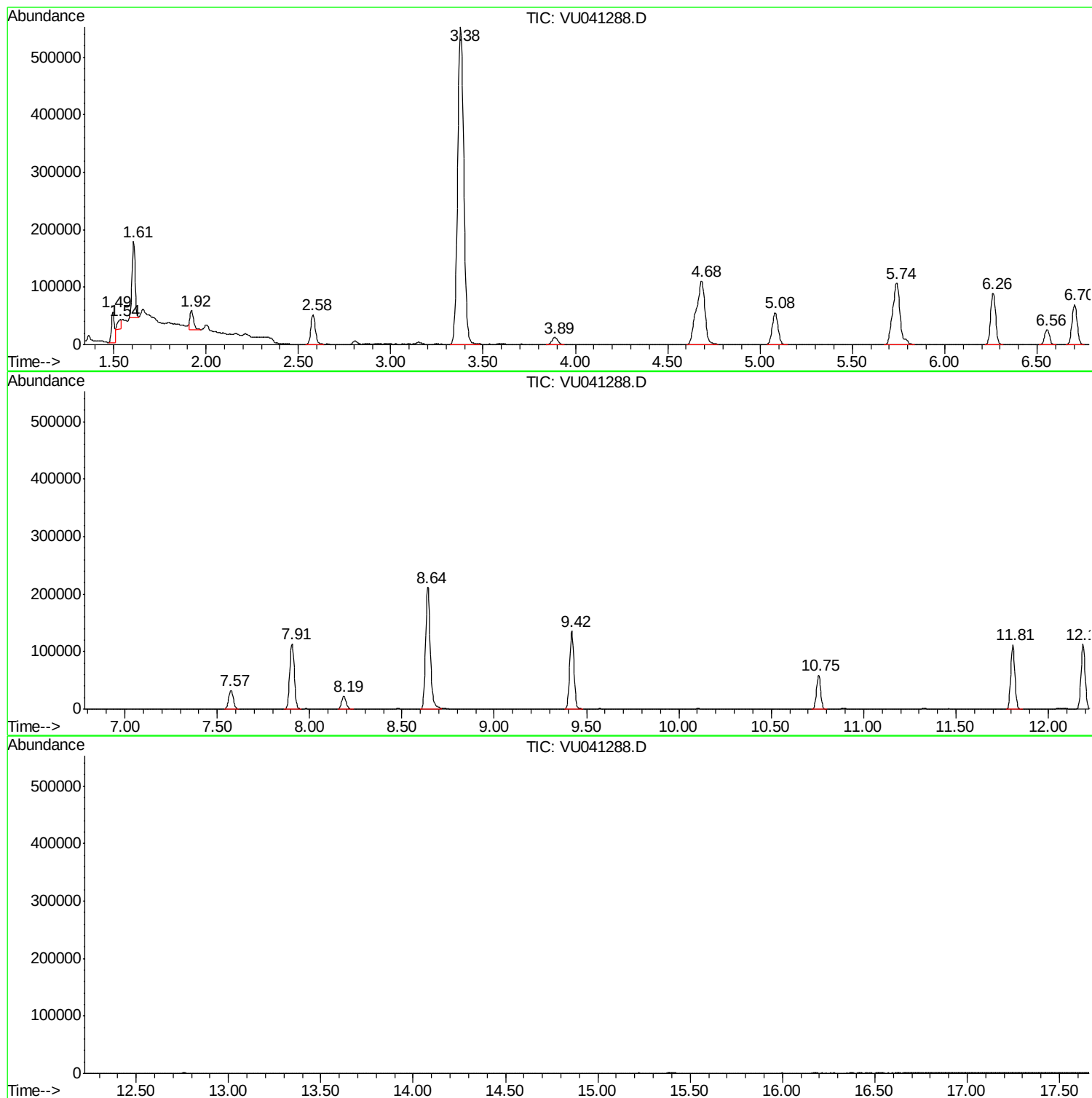
Sum of corrected areas: 4136002

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR111620WMA.M  
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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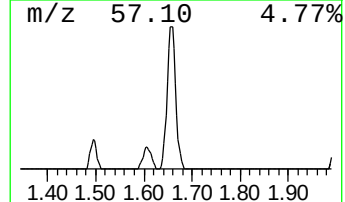
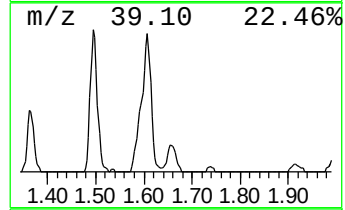
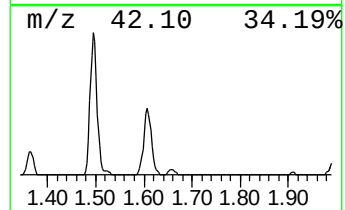
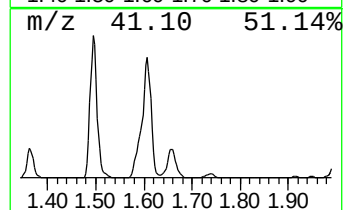
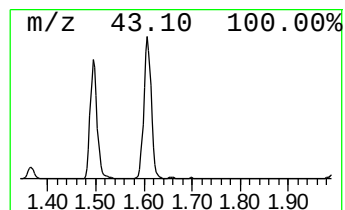
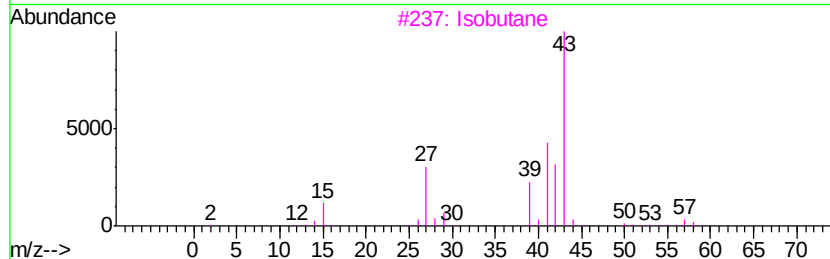
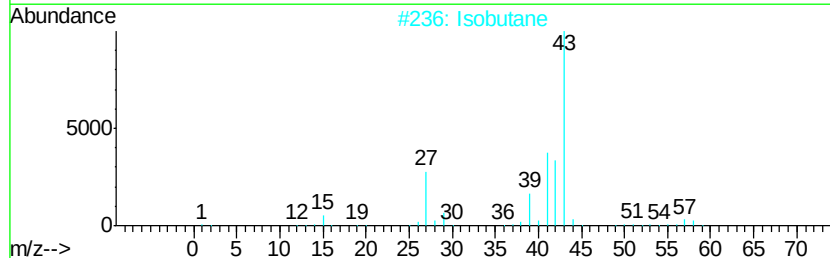
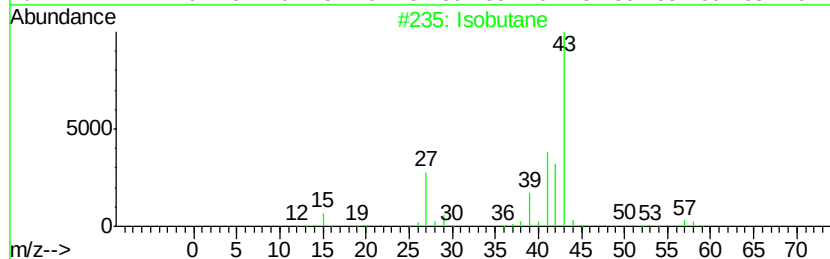
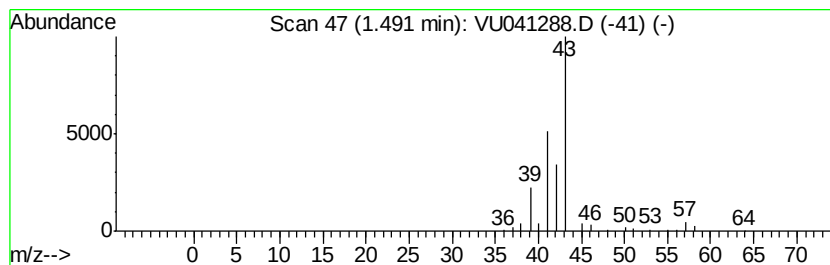
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TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 1.49 | 1.80 ug/L | 60699 | 1,4-Difluorobenzene | 6.26 |

| Hit# | of | Tentative ID      | MW | MolForm | CAS#        | Qual |
|------|----|-------------------|----|---------|-------------|------|
| 1    | 5  | Isobutane         | 58 | C4H10   | 000075-28-5 | 59   |
| 2    |    | Isobutane         | 58 | C4H10   | 000075-28-5 | 59   |
| 3    |    | Isobutane         | 58 | C4H10   | 000075-28-5 | 59   |
| 4    |    | Isobutane         | 58 | C4H10   | 000075-28-5 | 40   |
| 5    |    | Propane, 2-nitro- | 89 | C3H7NO2 | 000079-46-9 | 28   |



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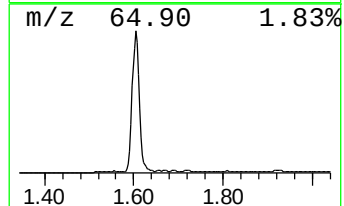
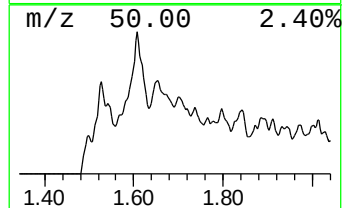
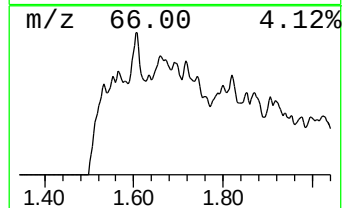
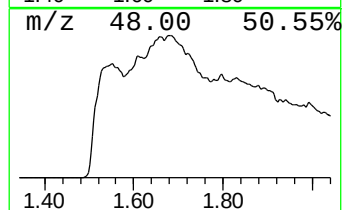
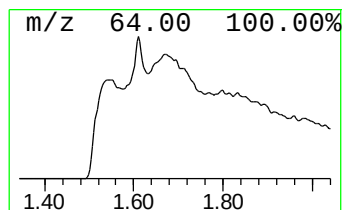
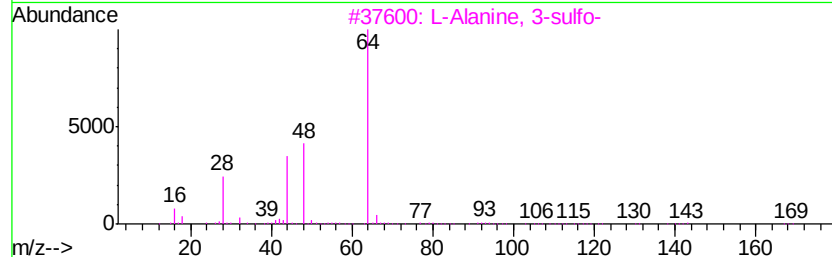
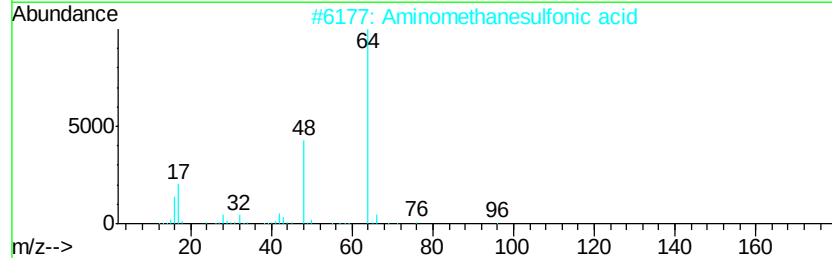
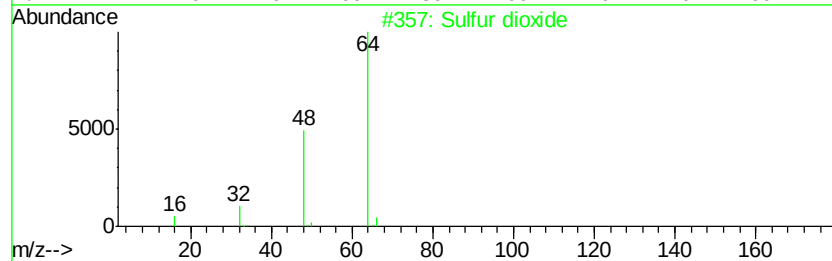
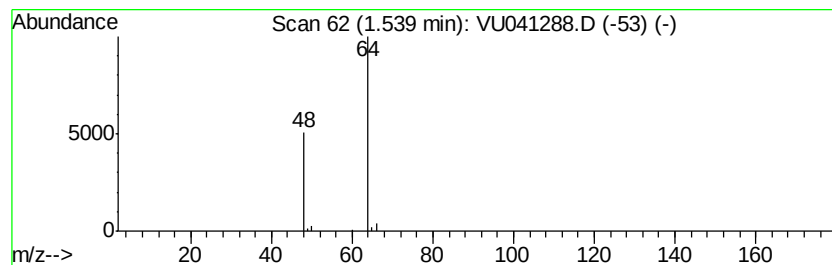
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Sulfur dioxide Concentration Rank 3

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 1.54 | 0.63 ug/L | 21325 | 1,4-Difluorobenzene | 6.26 |

| Hit# | of | Tentative ID              | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------------|-----|----------|-------------|------|
| 1    | 5  | Sulfur dioxide            | 64  | O2S      | 007446-09-5 | 90   |
| 2    |    | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 64   |
| 3    |    | L-Alanine, 3-sulfo-       | 169 | C3H7NO5S | 000498-40-8 | 9    |
| 4    |    | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 9    |
| 5    |    | Ethene, 1,1-difluoro-     | 64  | C2H2F2   | 000075-38-7 | 5    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| (DEL) Alkane: Str... | 1.49 | 1.8     | ug/L  | 60699    | 1                     | 6.26 | 168282 | 5.0  |
| Sulfur dioxide       | 1.54 | 0.6     | ug/L  | 21325    | 1                     | 6.26 | 168282 | 5.0  |