

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121420\  
 Data File : VU041606.D  
 Acq On : 14 Dec 2020 12:33  
 Operator : SY/MD  
 Sample : L5060-02  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0B00

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\SOMUTR121220WMA.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          | 62           | rVB      | 168731         | 161462        | 24.40%          | 3.435%        |
| 2         | 1.604       | 74            | 82          | 98           | rVB      | 73386          | 79531         | 12.02%          | 1.692%        |
| 3         | 1.922       | 172           | 181         | 193          | rBV      | 54499          | 68626         | 10.37%          | 1.460%        |
| 4         | 2.581       | 373           | 386         | 400          | rBV      | 112830         | 184931        | 27.94%          | 3.935%        |
| 5         | 2.665       | 401           | 412         | 425          | rVV3     | 4095           | 10189         | 1.54%           | 0.217%        |
| 6         | 3.202       | 565           | 579         | 594          | rVB      | 12565          | 27368         | 4.14%           | 0.582%        |
| 7         | 4.655       | 1013          | 1031        | 1084         | rBV2     | 109373         | 422851        | 63.89%          | 8.997%        |
| 8         | 5.083       | 1145          | 1164        | 1184         | rBV      | 90915          | 203322        | 30.72%          | 4.326%        |
| 9         | 5.742       | 1347          | 1369        | 1387         | rBV2     | 186625         | 483487        | 73.05%          | 10.287%       |
| 10        | 6.263       | 1516          | 1531        | 1551         | rBV      | 165477         | 310397        | 46.90%          | 6.604%        |
| 11        | 6.703       | 1652          | 1668        | 1685         | rBV2     | 112301         | 217097        | 32.80%          | 4.619%        |
| 12        | 7.575       | 1926          | 1939        | 1957         | rVB      | 61153          | 106623        | 16.11%          | 2.269%        |
| 13        | 7.906       | 2027          | 2042        | 2057         | rBV      | 226266         | 386620        | 58.42%          | 8.226%        |
| 14        | 8.185       | 2118          | 2129        | 2145         | rBV      | 41983          | 68778         | 10.39%          | 1.463%        |
| 15        | 8.639       | 2254          | 2270        | 2300         | rBV      | 368690         | 661847        | 100.00%         | 14.082%       |
| 16        | 9.420       | 2499          | 2513        | 2535         | rBV      | 231204         | 389870        | 58.91%          | 8.295%        |
| 17        | 10.754      | 2915          | 2928        | 2943         | rVB      | 99743          | 161676        | 24.43%          | 3.440%        |
| 18        | 10.893      | 2956          | 2971        | 2979         | rBV3     | 5791           | 9627          | 1.45%           | 0.205%        |
| 19        | 11.806      | 3242          | 3255        | 3271         | rBV      | 244655         | 385711        | 58.28%          | 8.207%        |
| 20        | 12.185      | 3360          | 3373        | 3388         | rBV      | 218242         | 351775        | 53.15%          | 7.485%        |
| 21        | 12.877      | 3581          | 3588        | 3599         | rVB6     | 5854           | 8035          | 1.21%           | 0.171%        |

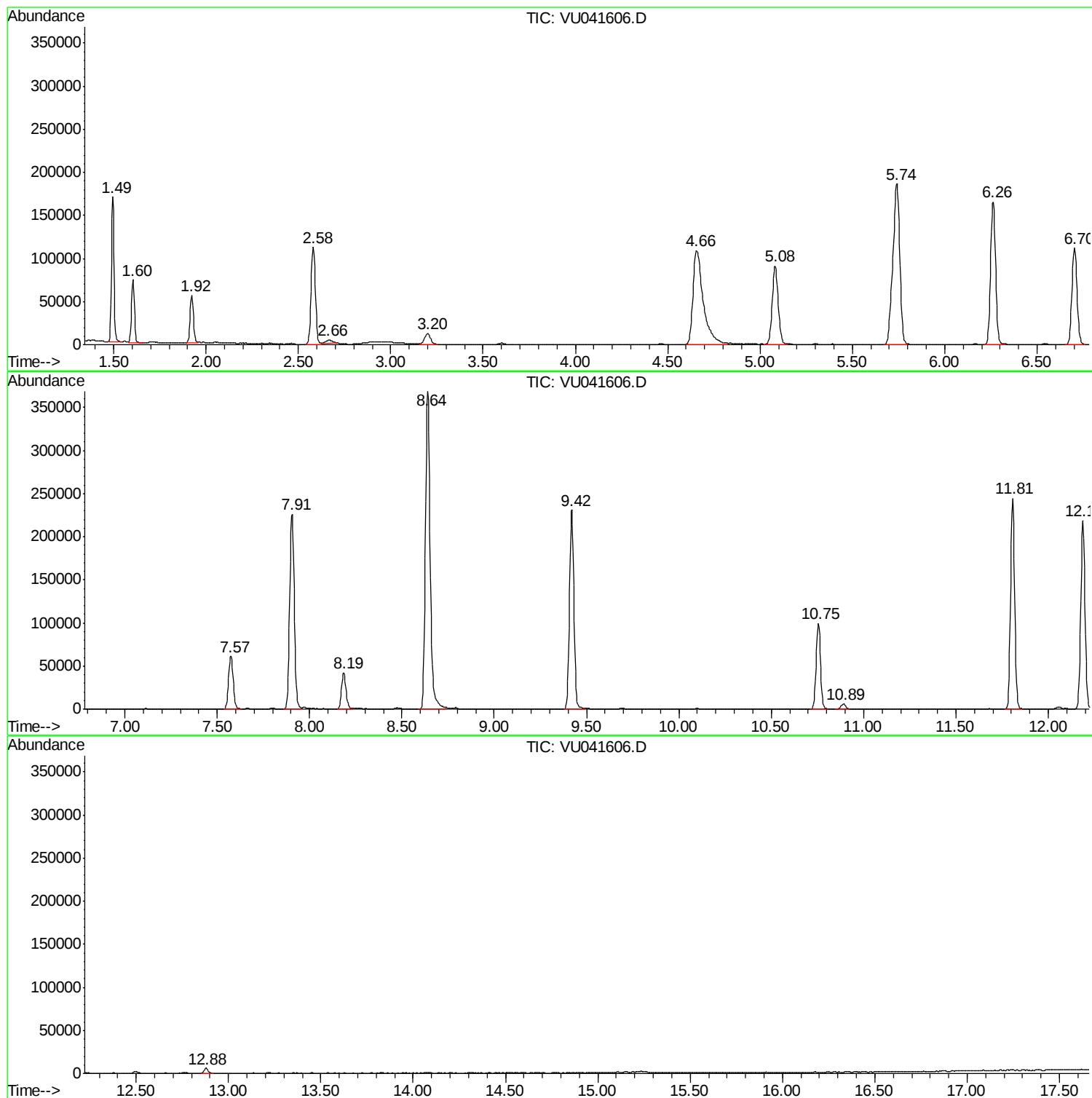
Sum of corrected areas: 4699823

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ClientSampleId :  
C0B00

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR121220WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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Quant Title : TRACE VOA SOM01.0

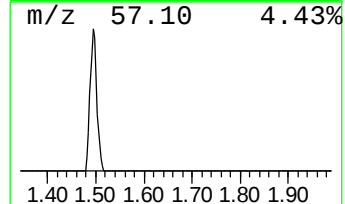
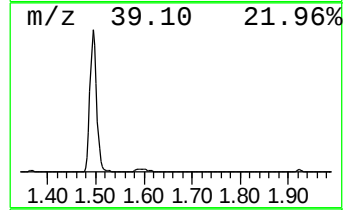
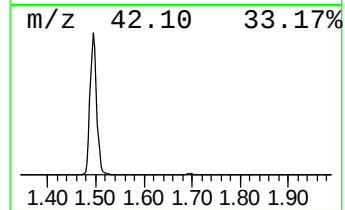
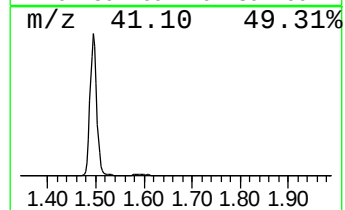
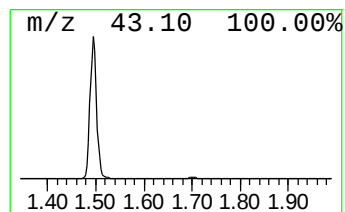
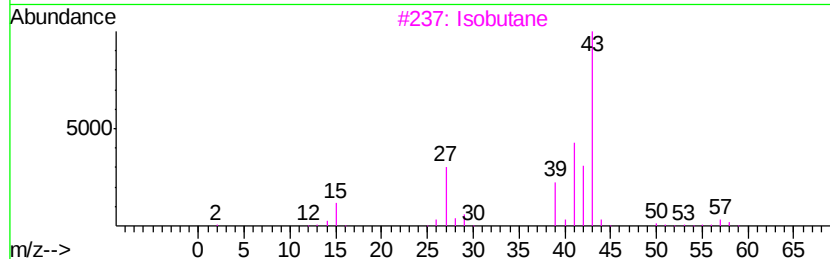
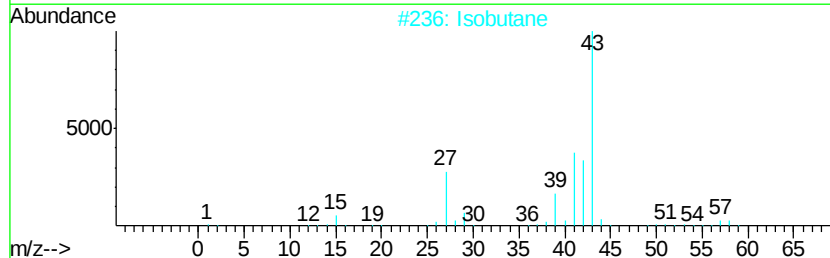
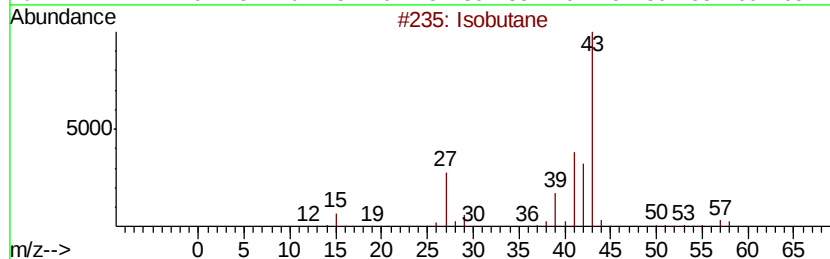
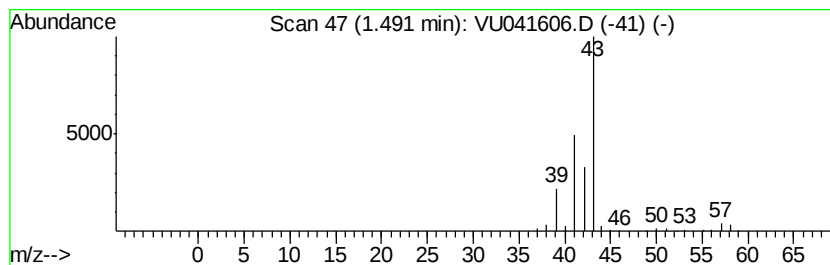
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TIC Integration Parameters: LSCINT.P

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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 | 2.60 ug/L | 161462 | 1,4-Difluorobenzene | 6.26 |

| Hit# | of | 5 | Tentative ID      | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------|----|---------|-------------|------|
| 1    |    |   | Isobutane         | 58 | C4H10   | 000075-28-5 | 72   |
| 2    |    |   | Isobutane         | 58 | C4H10   | 000075-28-5 | 64   |
| 3    |    |   | Isobutane         | 58 | C4H10   | 000075-28-5 | 64   |
| 4    |    |   | Isobutane         | 58 | C4H10   | 000075-28-5 | 53   |
| 5    |    |   | Propane, 2-nitro- | 89 | C3H7NO2 | 000079-46-9 | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| (DEL) Alkane: Str... | 1.49 | 2.6     | ug/L  | 161462   | 1                     | 6.26 | 310397 | 5.0  |