

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111821\  
 Data File : VU045867.D  
 Acq On : 18 Nov 2021 14:43  
 Operator : SY/MD  
 Sample : M4664-10  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H4680

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\SFAMUTR111521WMA.M

Title : TRACE VOA SFAM1.0

Signal : TIC: VU045867.D\data.ms

| 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         | 1.491       | 41            | 47          | 67           | rVB      | 36930          | 37417         | 1.23%           | 0.394%        |
| 2         | 1.604       | 71            | 82          | 91           | rBV3     | 223090         | 255924        | 8.40%           | 2.692%        |
| 3         | 1.916       | 171           | 179         | 194          | rBV      | 37110          | 48539         | 1.59%           | 0.511%        |
| 4         | 2.572       | 371           | 383         | 402          | rBV2     | 78400          | 136193        | 4.47%           | 1.433%        |
| 5         | 3.366       | 613           | 630         | 661          | rBV      | 246760         | 581978        | 19.11%          | 6.122%        |
| 6         | 4.671       | 1009          | 1036        | 1065         | rBV      | 1213219        | 2793657       | 91.74%          | 29.387%       |
| 7         | 5.070       | 1145          | 1160        | 1179         | rBV3     | 55138          | 141142        | 4.63%           | 1.485%        |
| 8         | 5.729       | 1345          | 1365        | 1393         | rBV2     | 125243         | 345646        | 11.35%          | 3.636%        |
| 9         | 6.253       | 1514          | 1528        | 1550         | rBV      | 123059         | 231145        | 7.59%           | 2.431%        |
| 10        | 6.546       | 1603          | 1619        | 1635         | rBV      | 1664324        | 3045283       | 100.00%         | 32.034%       |
| 11        | 6.694       | 1653          | 1665        | 1681         | rVB      | 82109          | 160305        | 5.26%           | 1.686%        |
| 12        | 7.568       | 1921          | 1937        | 1952         | rBV2     | 41418          | 71606         | 2.35%           | 0.753%        |
| 13        | 7.900       | 2025          | 2040        | 2055         | rBV      | 149472         | 263947        | 8.67%           | 2.776%        |
| 14        | 8.182       | 2117          | 2128        | 2140         | rBV2     | 24399          | 39591         | 1.30%           | 0.416%        |
| 15        | 8.555       | 2233          | 2244        | 2255         | rBV2     | 20826          | 34669         | 1.14%           | 0.365%        |
| 16        | 8.636       | 2256          | 2269        | 2305         | rBV      | 185959         | 379086        | 12.45%          | 3.988%        |
| 17        | 9.420       | 2497          | 2513        | 2531         | rBV      | 179074         | 303482        | 9.97%           | 3.192%        |
| 18        | 10.758      | 2917          | 2929        | 2946         | rBV2     | 65224          | 104763        | 3.44%           | 1.102%        |
| 19        | 11.813      | 3246          | 3257        | 3274         | rBV      | 183951         | 292457        | 9.60%           | 3.076%        |
| 20        | 12.195      | 3364          | 3376        | 3393         | rBV      | 149913         | 239660        | 7.87%           | 2.521%        |

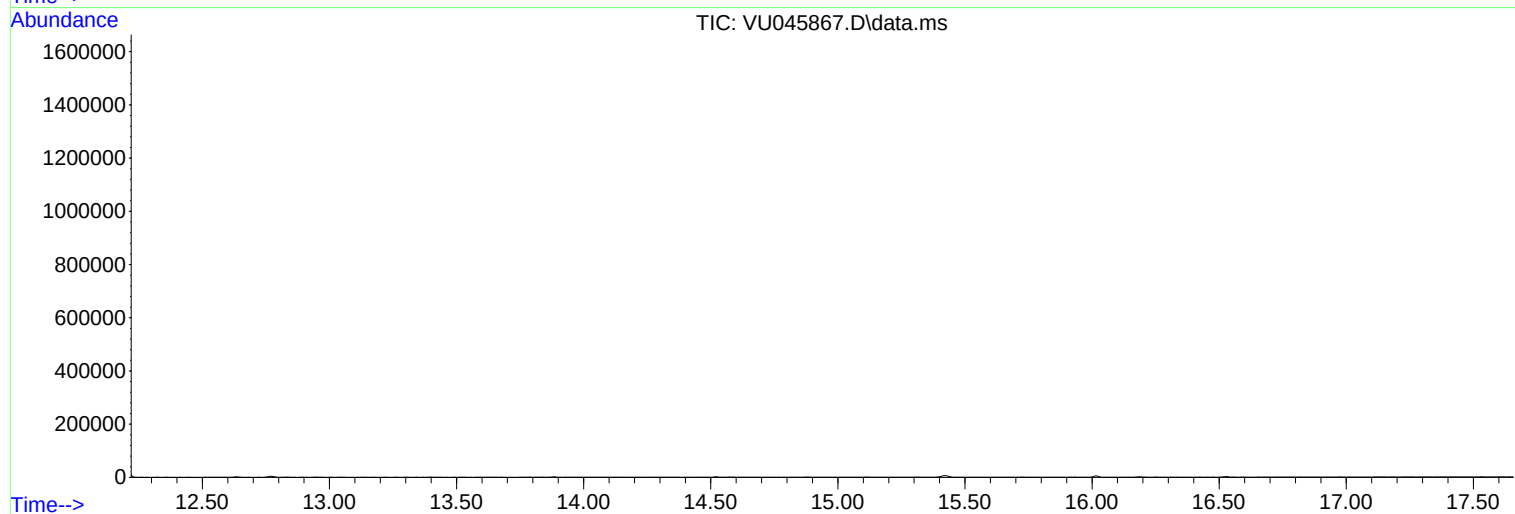
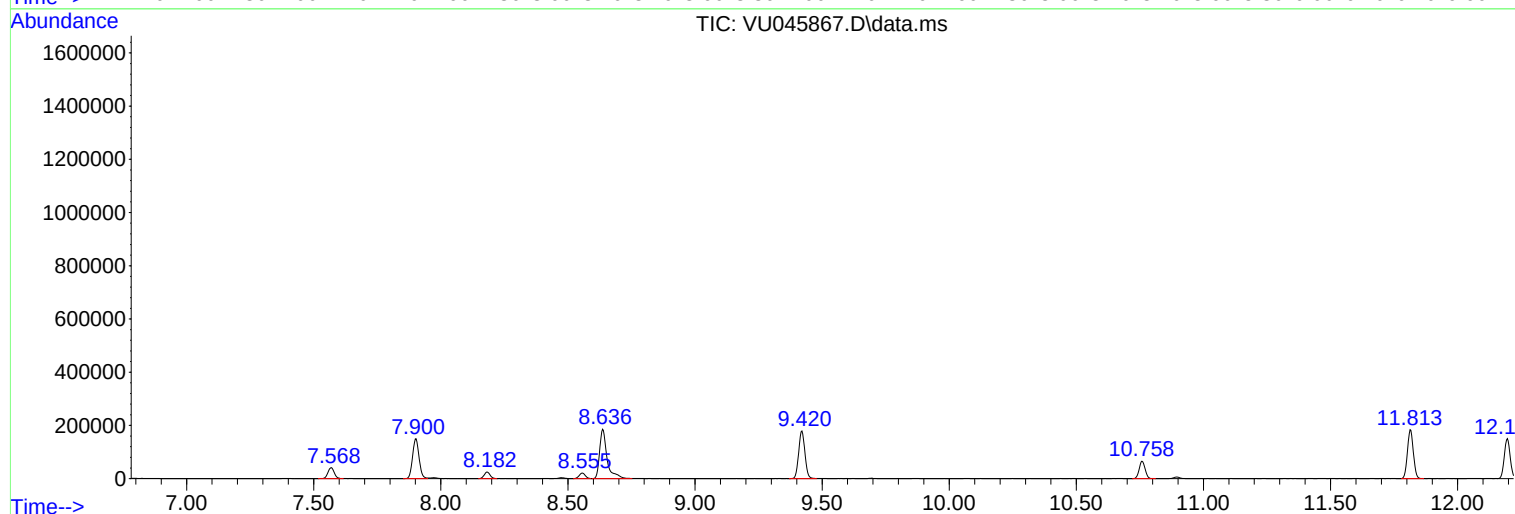
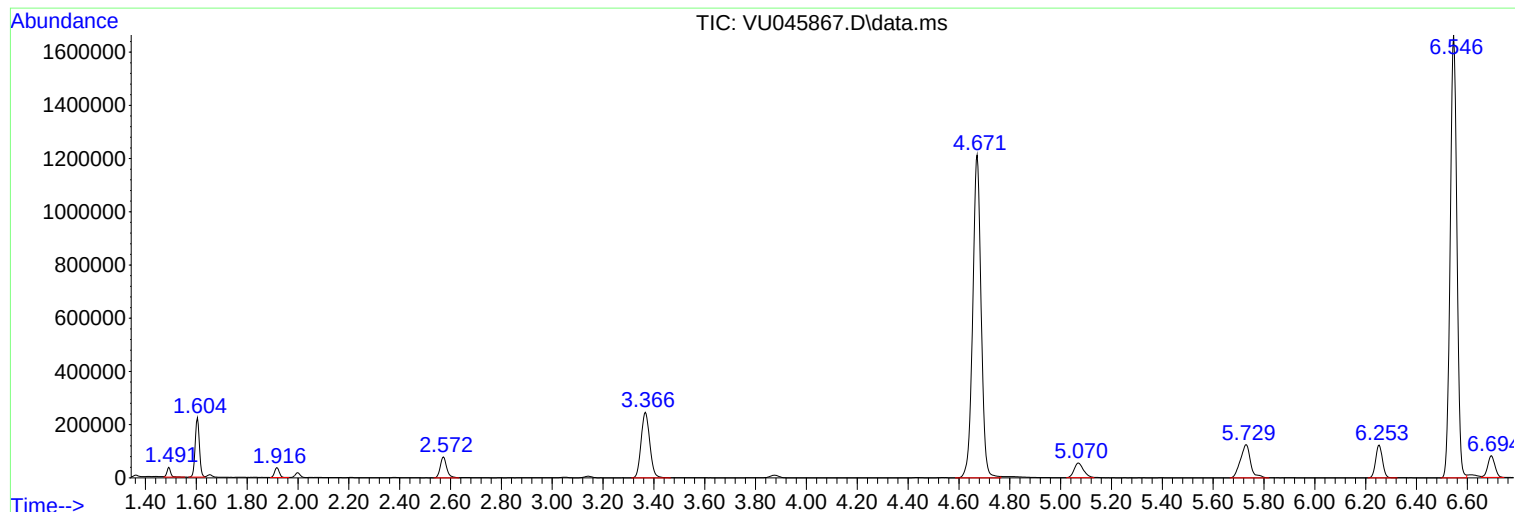
Sum of corrected areas: 9506490

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MSVOA\_U  
ClientSampleId :  
H4680

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111521WMA.M  
Quant Title : TRACE VOA SFAM1.0

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



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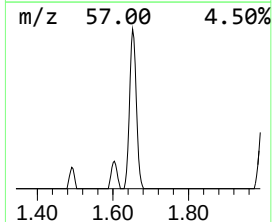
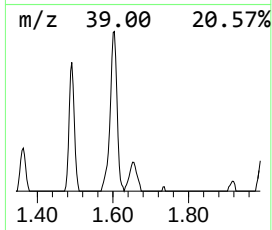
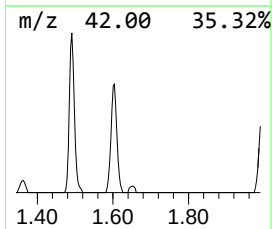
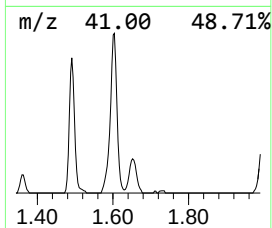
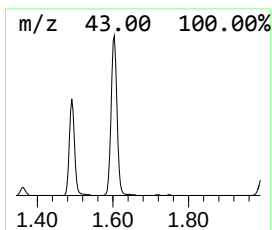
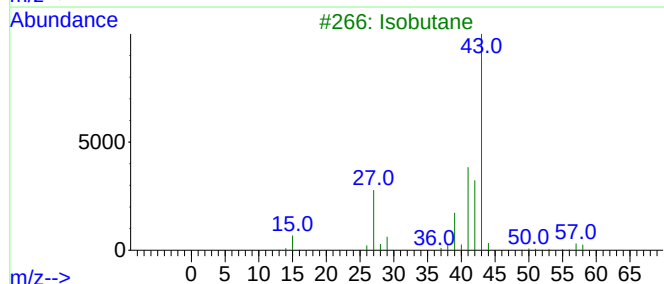
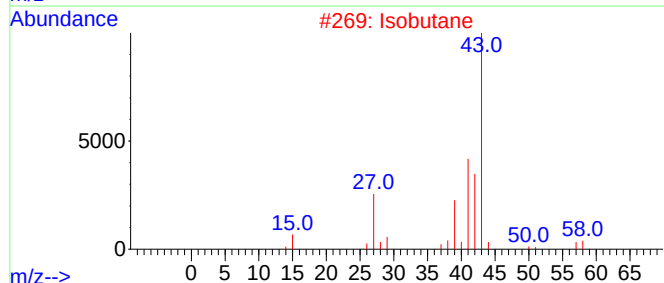
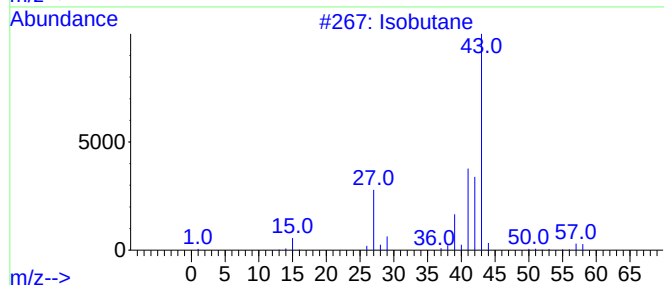
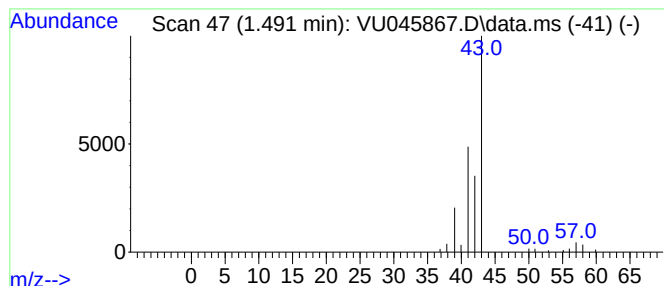
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 1.491 | 0.81 ug/L | 37417 | 1,4-Difluorobenzene | 6.253 |

| Hit# | of | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|----|---|--------------|----|---------|-------------|------|
| 1    |    |   | Isobutane    | 58 | C4H10   | 000075-28-5 | 64   |
| 2    |    |   | Isobutane    | 58 | C4H10   | 000075-28-5 | 64   |
| 3    |    |   | Isobutane    | 58 | C4H10   | 000075-28-5 | 64   |
| 4    |    |   | Isobutane    | 58 | C4H10   | 000075-28-5 | 64   |
| 5    |    |   | Isobutane    | 58 | C4H10   | 000075-28-5 | 42   |



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| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                    |       |         |       |          | #                     | RT    | Resp   | Conc |
| (DEL) Alkane: S... | 1.491 | 0.8     | ug/L  | 37417    | 1                     | 6.253 | 231145 | 5.0  |