

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021319\  
 Data File : VU029442.D  
 Acq On : 13 Feb 2019 14:02  
 Operator : JC/SP  
 Sample : K1436-13  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ESXA6

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\SOMUTR021219WMA.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         | 1.183       | 23            | 29          | 42           | rVB      | 38191          | 36068         | 5.75%           | 0.607%        |
| 2         | 1.299       | 56            | 65          | 78           | rBV      | 44486          | 48448         | 7.73%           | 0.815%        |
| 3         | 1.396       | 88            | 95          | 107          | rBV2     | 126480         | 137837        | 21.98%          | 2.319%        |
| 4         | 1.572       | 142           | 150         | 160          | rBV6     | 7807           | 17556         | 2.80%           | 0.295%        |
| 5         | 1.678       | 176           | 183         | 197          | rVB      | 79329          | 97258         | 15.51%          | 1.636%        |
| 6         | 2.270       | 357           | 367         | 379          | rBV      | 174083         | 265942        | 42.41%          | 4.475%        |
| 7         | 2.460       | 416           | 426         | 446          | rVB      | 43448          | 88985         | 14.19%          | 1.497%        |
| 8         | 2.785       | 521           | 527         | 535          | rVB2     | 10850          | 16022         | 2.55%           | 0.270%        |
| 9         | 4.196       | 951           | 966         | 997          | rBV3     | 88371          | 304889        | 48.62%          | 5.130%        |
| 10        | 4.653       | 1088          | 1108        | 1137         | rBV3     | 123861         | 410702        | 65.49%          | 6.911%        |
| 11        | 5.334       | 1297          | 1320        | 1334         | rBV2     | 210863         | 579413        | 92.39%          | 9.749%        |
| 12        | 5.884       | 1478          | 1491        | 1513         | rBV      | 221473         | 435498        | 69.44%          | 7.328%        |
| 13        | 6.328       | 1615          | 1629        | 1647         | rBV      | 130317         | 261082        | 41.63%          | 4.393%        |
| 14        | 7.225       | 1895          | 1908        | 1930         | rBV      | 75023          | 138812        | 22.13%          | 2.336%        |
| 15        | 7.395       | 1949          | 1961        | 1980         | rVB3     | 10982          | 21444         | 3.42%           | 0.361%        |
| 16        | 7.562       | 2000          | 2013        | 2029         | rBV      | 298545         | 517720        | 82.56%          | 8.711%        |
| 17        | 7.636       | 2029          | 2036        | 2052         | rVB      | 18534          | 33453         | 5.33%           | 0.563%        |
| 18        | 7.849       | 2092          | 2102        | 2117         | rBV      | 44115          | 79354         | 12.65%          | 1.335%        |
| 19        | 8.312       | 2234          | 2246        | 2275         | rBV      | 350453         | 627118        | 100.00%         | 10.552%       |
| 20        | 9.087       | 2475          | 2487        | 2513         | rBV      | 317281         | 531746        | 84.79%          | 8.947%        |
| 21        | 10.431      | 2893          | 2905        | 2926         | rBV2     | 110378         | 176841        | 28.20%          | 2.976%        |
| 22        | 10.604      | 2948          | 2959        | 2970         | rBV2     | 14194          | 23520         | 3.75%           | 0.396%        |
| 23        | 11.482      | 3219          | 3232        | 3256         | rBV      | 353280         | 581339        | 92.70%          | 9.782%        |
| 24        | 11.858      | 3335          | 3349        | 3372         | rBV      | 309870         | 512066        | 81.65%          | 8.616%        |

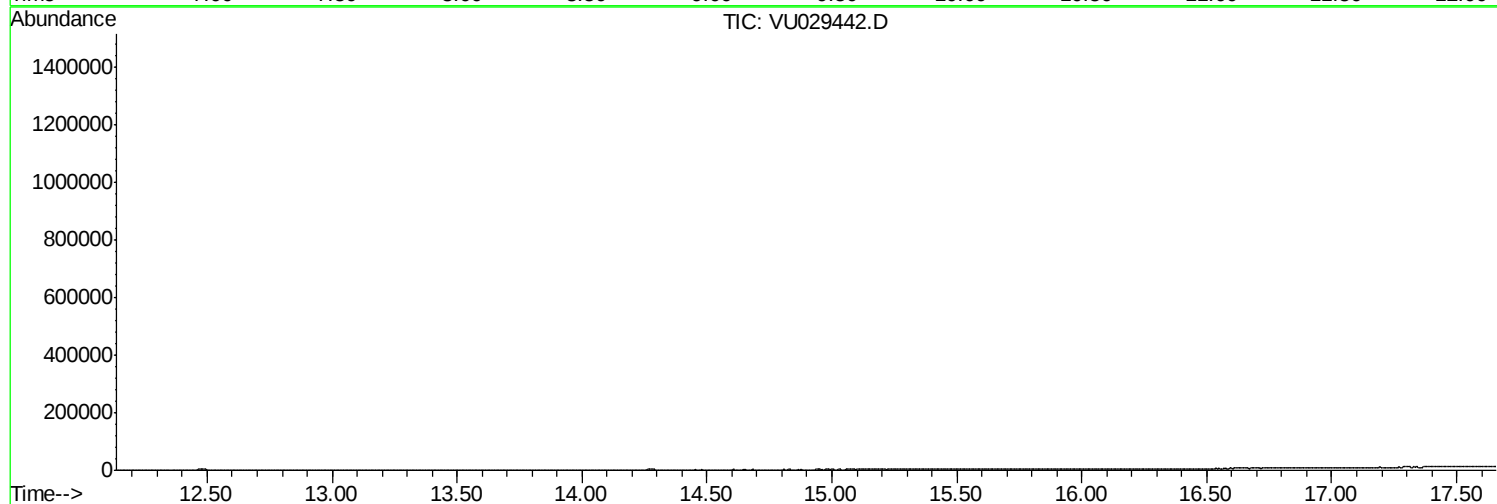
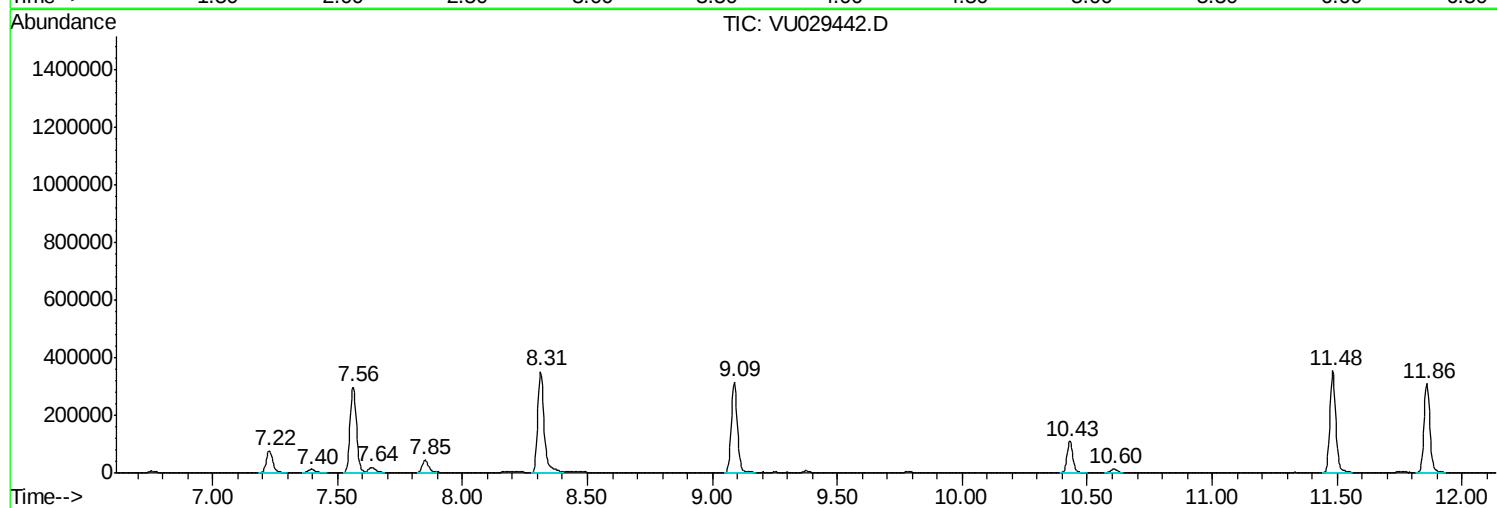
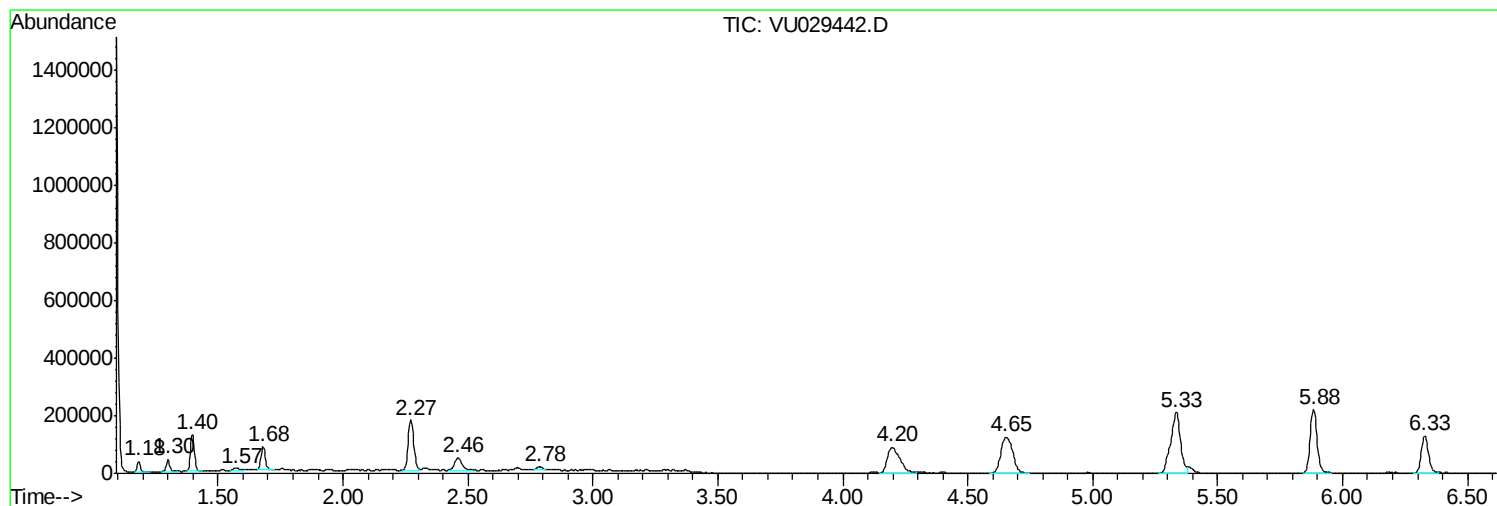
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MSVOA\_U  
ClientSampleId :  
ESXA6

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR021219WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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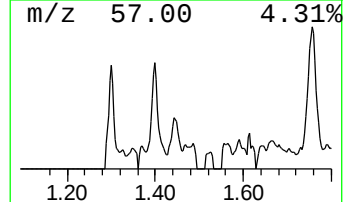
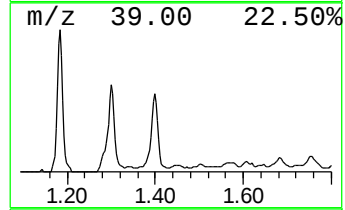
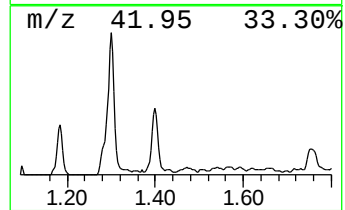
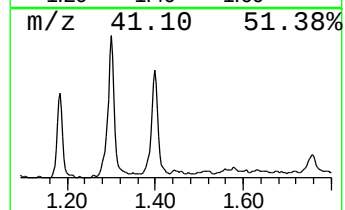
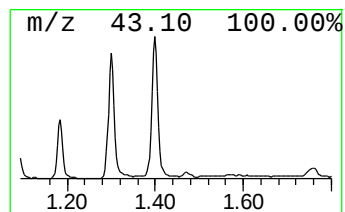
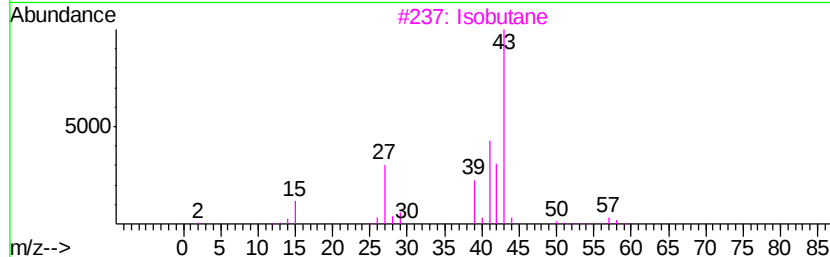
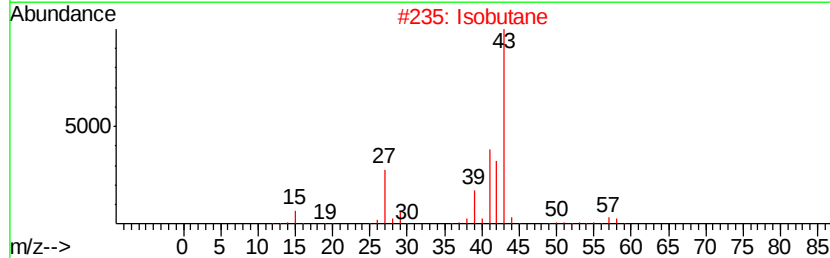
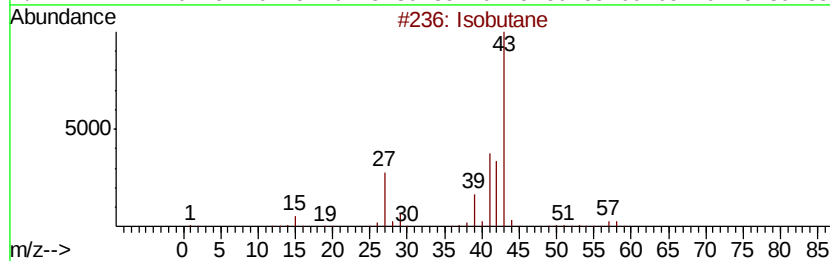
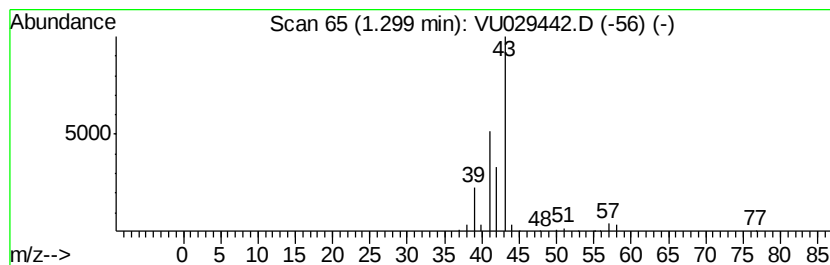
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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 1.30 | 0.56 ug/L | 48448 | 1,4-Difluorobenzene | 5.88 |

| Hit# | of | 5 | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------|-----|---------|-------------|------|
| 1    |    |   | Isobutane        | 58  | C4H10   | 000075-28-5 | 80   |
| 2    |    |   | Isobutane        | 58  | C4H10   | 000075-28-5 | 72   |
| 3    |    |   | Isobutane        | 58  | C4H10   | 000075-28-5 | 64   |
| 4    |    |   | Isobutane        | 58  | C4H10   | 000075-28-5 | 45   |
| 5    |    |   | Isobutyl nitrite | 103 | C4H9NO2 | 000542-56-3 | 33   |



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ClientSampled :  
ESXA6

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Quant Title : TRACE VOA SOM01.0

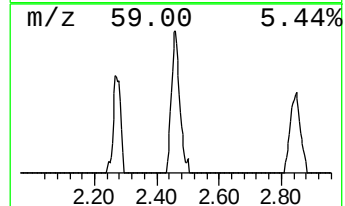
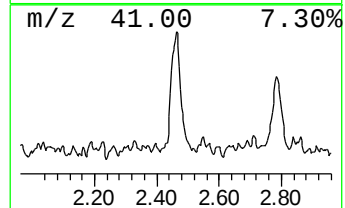
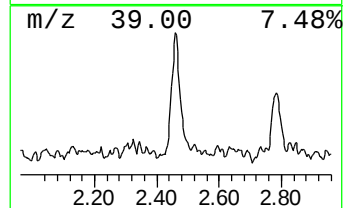
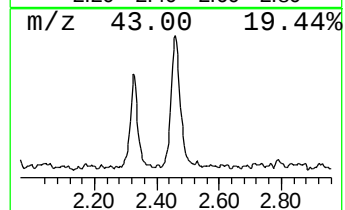
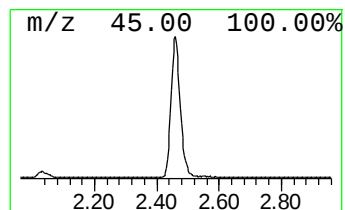
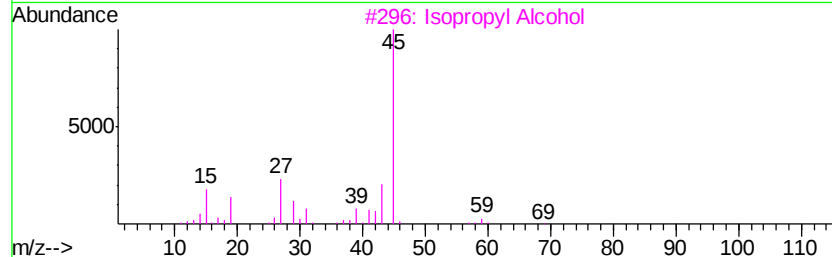
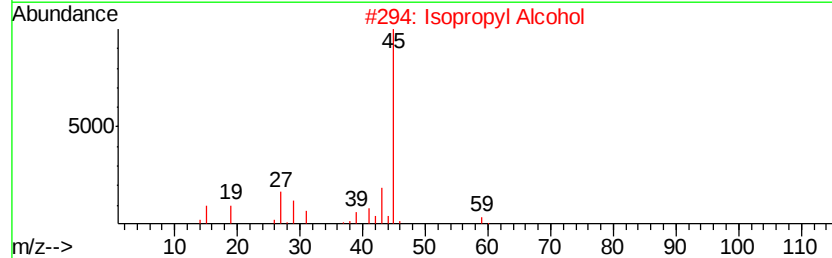
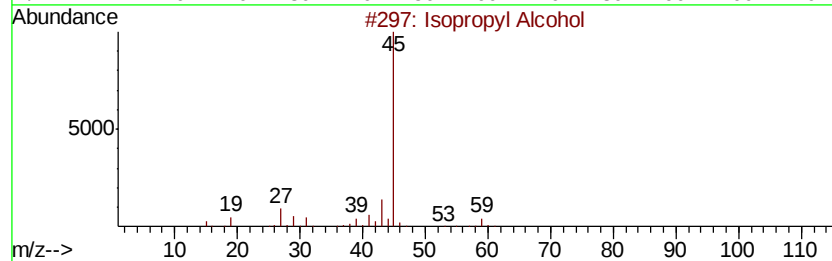
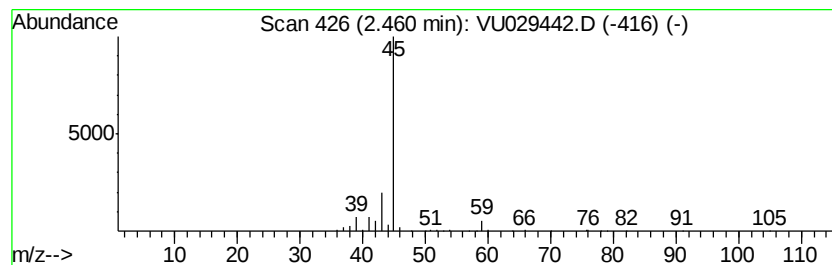
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 Isopropyl Alcohol Concentration Rank 2

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.46 | 1.02 ug/L | 88985 | 1,4-Difluorobenzene | 5.88 |

| Hit# | of | Tentative ID       | MW | MolForm | CAS#        | Qual |
|------|----|--------------------|----|---------|-------------|------|
| 1    | 5  | Isopropyl Alcohol  | 60 | C3H8O   | 000067-63-0 | 80   |
| 2    |    | Isopropyl Alcohol  | 60 | C3H8O   | 000067-63-0 | 78   |
| 3    |    | Isopropyl Alcohol  | 60 | C3H8O   | 000067-63-0 | 56   |
| 4    |    | Propane, 2-ethoxy- | 88 | C5H12O  | 000625-54-7 | 43   |
| 5    |    | Isopropyl Alcohol  | 60 | C3H8O   | 000067-63-0 | 9    |



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Quant Title : TRACE VOA SOM01.0

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

| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| (DEL) Alkane: Str... | 1.30 | 0.6     | ug/L  | 48448    | 1                     | 5.88 | 435498 | 5.0  |
| Isopropyl Alcohol    | 2.46 | 1.0     | ug/L  | 88985    | 1                     | 5.88 | 435498 | 5.0  |