

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121619\  
 Data File : VU036245.D  
 Acq On : 16 Dec 2019 19:45  
 Operator : JC/MD  
 Sample : K6275-11  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFDS7

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\SOMUTR121319WMA.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         | 1.369       | 3             | 9           | 25           | rVB      | 328348         | 321243        | 37.82%          | 4.108%        |
| 2         | 1.456       | 30            | 36          | 45           | rBV2     | 17198          | 18630         | 2.19%           | 0.238%        |
| 3         | 1.504       | 45            | 51          | 57           | rBV      | 21145          | 20772         | 2.45%           | 0.266%        |
| 4         | 1.613       | 74            | 85          | 96           | rBV3     | 226603         | 315300        | 37.12%          | 4.032%        |
| 5         | 1.700       | 107           | 112         | 121          | rVV      | 26625          | 29833         | 3.51%           | 0.381%        |
| 6         | 1.749       | 122           | 127         | 137          | rVB4     | 12882          | 20816         | 2.45%           | 0.266%        |
| 7         | 1.932       | 174           | 184         | 196          | rVB      | 118712         | 156965        | 18.48%          | 2.007%        |
| 8         | 2.012       | 203           | 209         | 220          | rVB      | 23330          | 30332         | 3.57%           | 0.388%        |
| 9         | 2.173       | 252           | 259         | 267          | rVB      | 28254          | 37794         | 4.45%           | 0.483%        |
| 10        | 2.221       | 268           | 274         | 284          | rBV4     | 22824          | 32526         | 3.83%           | 0.416%        |
| 11        | 2.437       | 335           | 341         | 348          | rBV6     | 6186           | 8956          | 1.05%           | 0.115%        |
| 12        | 2.594       | 376           | 390         | 403          | rBV      | 150438         | 249221        | 29.34%          | 3.187%        |
| 13        | 2.671       | 405           | 414         | 428          | rVB      | 19467          | 36441         | 4.29%           | 0.466%        |
| 14        | 2.822       | 450           | 461         | 476          | rVB      | 36749          | 64572         | 7.60%           | 0.826%        |
| 15        | 3.636       | 699           | 714         | 726          | rBV7     | 6389           | 15610         | 1.84%           | 0.200%        |
| 16        | 4.691       | 1027          | 1042        | 1066         | rBV      | 123447         | 337178        | 39.70%          | 4.312%        |
| 17        | 5.112       | 1156          | 1173        | 1196         | rBV2     | 162038         | 360611        | 42.46%          | 4.611%        |
| 18        | 5.768       | 1356          | 1377        | 1410         | rBV4     | 301517         | 779948        | 91.82%          | 9.973%        |
| 19        | 6.289       | 1523          | 1539        | 1557         | rBV      | 266663         | 529845        | 62.38%          | 6.775%        |
| 20        | 6.581       | 1617          | 1630        | 1645         | rBV2     | 69111          | 134824        | 15.87%          | 1.724%        |
| 21        | 6.732       | 1662          | 1677        | 1696         | rBV      | 194170         | 380414        | 44.79%          | 4.864%        |
| 22        | 6.928       | 1727          | 1738        | 1747         | rBV7     | 5570           | 10708         | 1.26%           | 0.137%        |
| 23        | 7.105       | 1781          | 1793        | 1804         | rBV3     | 6986           | 14578         | 1.72%           | 0.186%        |
| 24        | 7.604       | 1933          | 1948        | 1970         | rBV2     | 85705          | 161616        | 19.03%          | 2.067%        |
| 25        | 7.932       | 2033          | 2050        | 2065         | rBV      | 314582         | 557197        | 65.60%          | 7.125%        |
| 26        | 8.214       | 2124          | 2138        | 2151         | rBV2     | 58427          | 104300        | 12.28%          | 1.334%        |
| 27        | 8.674       | 2269          | 2281        | 2319         | rBV      | 392425         | 849390        | 100.00%         | 10.861%       |
| 28        | 8.822       | 2319          | 2327        | 2341         | rVB4     | 17614          | 32925         | 3.88%           | 0.421%        |
| 29        | 9.446       | 2508          | 2521        | 2539         | rBV      | 409476         | 717711        | 84.50%          | 9.178%        |
| 30        | 10.375      | 2800          | 2810        | 2823         | rBV8     | 11700          | 21178         | 2.49%           | 0.271%        |
| 31        | 10.784      | 2926          | 2937        | 2952         | rBV      | 176678         | 288023        | 33.91%          | 3.683%        |
| 32        | 10.915      | 2969          | 2978        | 2987         | rBV5     | 4676           | 8539          | 1.01%           | 0.109%        |
| 33        | 11.716      | 3218          | 3227        | 3238         | rBV4     | 20839          | 33133         | 3.90%           | 0.424%        |
| 34        | 11.835      | 3252          | 3264        | 3281         | rBV      | 344922         | 569231        | 67.02%          | 7.279%        |

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ClientSampleId :  
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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\SOMUTR121319WMA.M  
Title : TRACE VOA SOM01.0

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 12.218 | 3371 | 3383 | 3399 | rVB  | 318371 | 532552 | 62.70% | 6.810% |
| 36 | 12.912 | 3589 | 3599 | 3608 | rBV5 | 25665  | 37332  | 4.40%  | 0.477% |

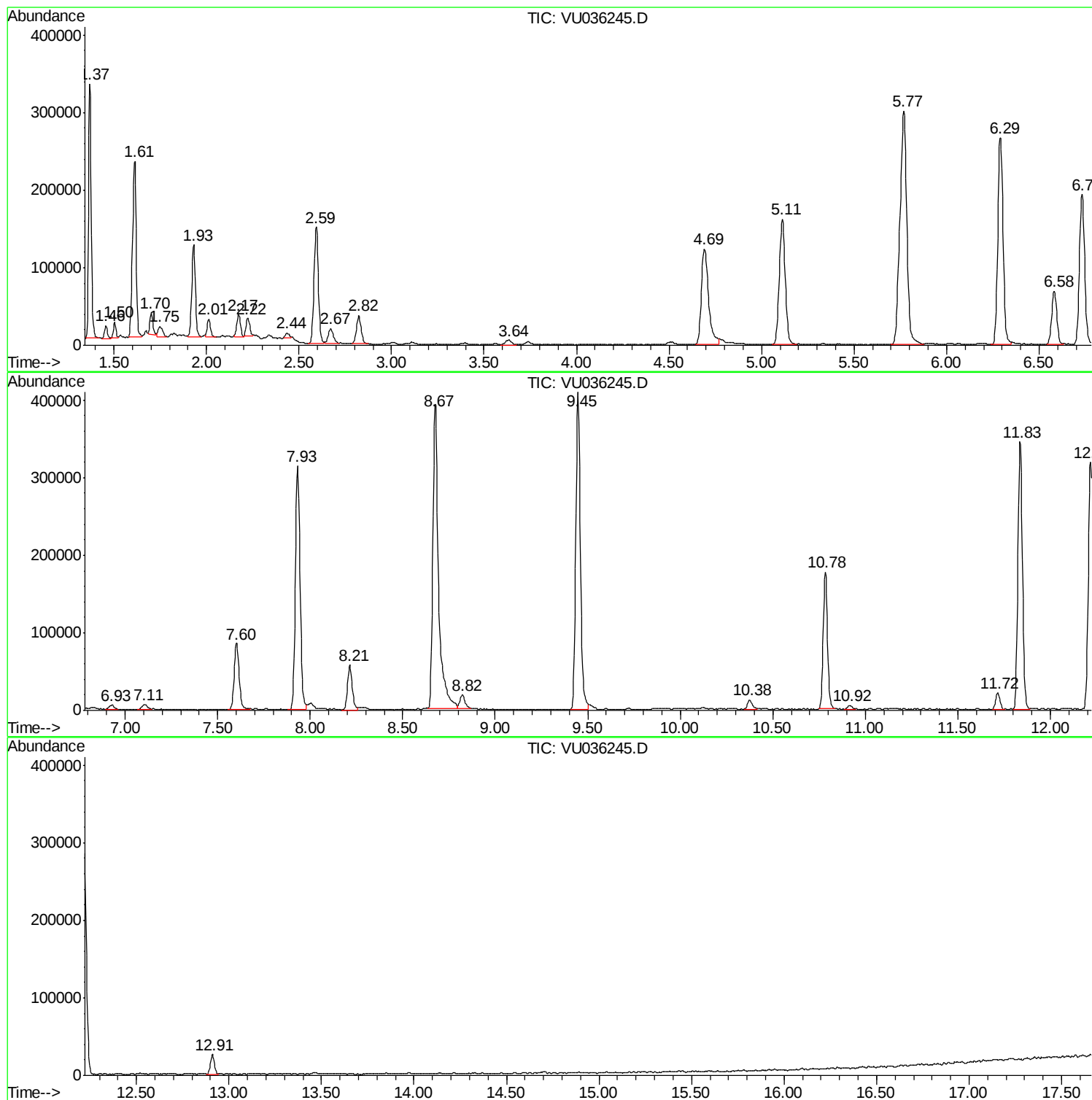
Sum of corrected areas: 7820244

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR121319WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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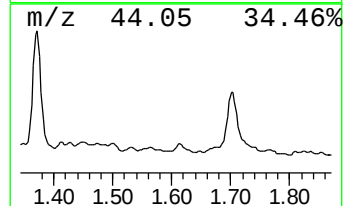
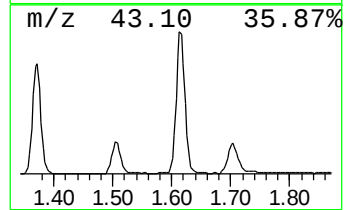
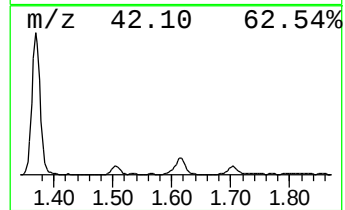
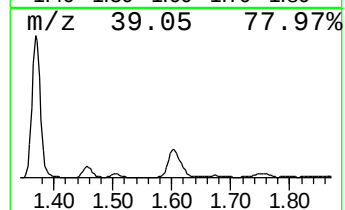
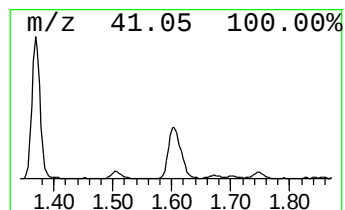
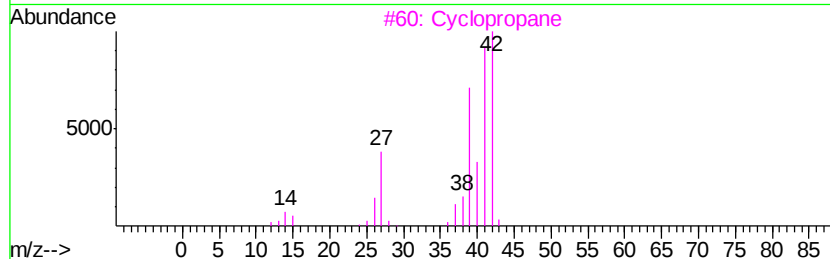
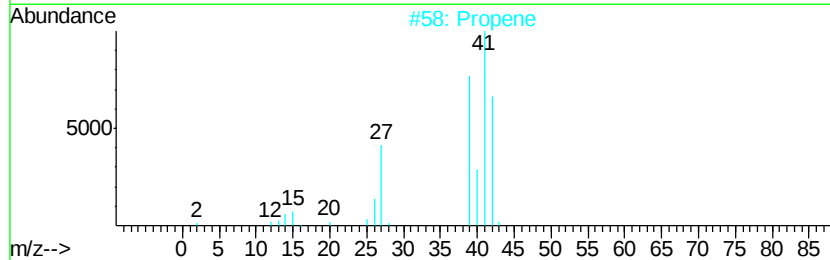
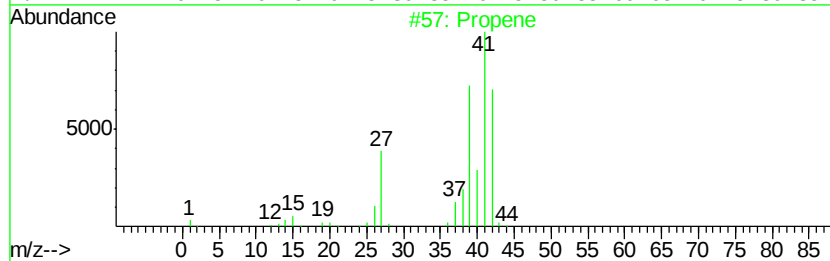
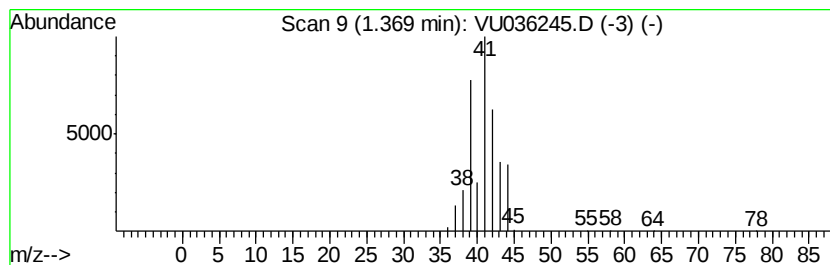
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ClientSampleId :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR121319WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 1 (DEL) Alkane: Cyclic1.37 Concentration Rank 1

| R.T.      | EstConc      | Area   | Relative to ISTD    | R.T.        |      |
|-----------|--------------|--------|---------------------|-------------|------|
| 1.37      | 3.03 ug/L    | 321243 | 1,4-Difluorobenzene | 6.29        |      |
| Hit# of 5 | Tentative ID | MW     | MolForm             | CAS#        | Qual |
| 1         | Propene      | 42     | C3H6                | 000115-07-1 | 90   |
| 2         | Propene      | 42     | C3H6                | 000115-07-1 | 42   |
| 3         | Cyclopropane | 42     | C3H6                | 000075-19-4 | 9    |
| 4         | Cyclopropene | 40     | C3H4                | 002781-85-3 | 9    |
| 5         | Cyclopropane | 42     | C3H6                | 000075-19-4 | 7    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| (DEL) Alkane: Cyc... | 1.37 | 3.0     | ug/L  | 321243   | 1                     | 6.29 | 529845 | 5.0  |