

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121219\  
 Data File : VU036173.D  
 Acq On : 13 Dec 2019 01:14  
 Operator : JC/MD  
 Sample : K6273-16  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFDR3

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\SOMUTR121219WMA.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         | 1.372       | 3             | 10          | 18           | rBV      | 86976          | 87811         | 9.15%           | 1.097%        |
| 2         | 1.617       | 77            | 86          | 97           | rBV      | 180980         | 212867        | 22.17%          | 2.660%        |
| 3         | 1.703       | 108           | 113         | 121          | rVB      | 10383          | 11247         | 1.17%           | 0.141%        |
| 4         | 1.932       | 177           | 184         | 195          | rVB      | 146269         | 186024        | 19.38%          | 2.325%        |
| 5         | 2.015       | 204           | 210         | 219          | rVB9     | 8417           | 13246         | 1.38%           | 0.166%        |
| 6         | 2.231       | 269           | 277         | 283          | rBV5     | 8793           | 12638         | 1.32%           | 0.158%        |
| 7         | 2.594       | 375           | 390         | 404          | rBV      | 194364         | 326793        | 34.04%          | 4.084%        |
| 8         | 2.662       | 404           | 411         | 422          | rVB      | 11059          | 16947         | 1.77%           | 0.212%        |
| 9         | 4.684       | 1025          | 1040        | 1078         | rBV      | 145328         | 404916        | 42.18%          | 5.061%        |
| 10        | 5.112       | 1157          | 1173        | 1195         | rBV2     | 157721         | 412317        | 42.95%          | 5.153%        |
| 11        | 5.771       | 1357          | 1378        | 1403         | rBV2     | 350787         | 930309        | 96.90%          | 11.627%       |
| 12        | 6.289       | 1526          | 1539        | 1564         | rBV      | 272736         | 535990        | 55.83%          | 6.699%        |
| 13        | 6.581       | 1616          | 1630        | 1647         | rBV2     | 145366         | 277090        | 28.86%          | 3.463%        |
| 14        | 6.732       | 1661          | 1677        | 1697         | rBV2     | 222987         | 446971        | 46.56%          | 5.586%        |
| 15        | 7.604       | 1936          | 1948        | 1963         | rBV      | 97437          | 186240        | 19.40%          | 2.328%        |
| 16        | 7.932       | 2037          | 2050        | 2067         | rBV      | 362491         | 659154        | 68.66%          | 8.238%        |
| 17        | 8.214       | 2124          | 2138        | 2154         | rBV2     | 65429          | 119059        | 12.40%          | 1.488%        |
| 18        | 8.681       | 2267          | 2283        | 2320         | rBV      | 341550         | 960050        | 100.00%         | 11.999%       |
| 19        | 8.822       | 2321          | 2327        | 2337         | rVB6     | 9435           | 15499         | 1.61%           | 0.194%        |
| 20        | 9.449       | 2508          | 2522        | 2559         | rVB      | 413846         | 752729        | 78.41%          | 9.408%        |
| 21        | 10.783      | 2925          | 2937        | 2955         | rVB      | 204399         | 341835        | 35.61%          | 4.272%        |
| 22        | 11.719      | 3220          | 3228        | 3236         | rBV4     | 11512          | 16149         | 1.68%           | 0.202%        |
| 23        | 11.838      | 3253          | 3265        | 3282         | rVB2     | 289140         | 503048        | 52.40%          | 6.287%        |
| 24        | 12.218      | 3367          | 3383        | 3399         | rBV      | 326123         | 550246        | 57.31%          | 6.877%        |
| 25        | 12.912      | 3587          | 3599        | 3610         | rBV5     | 14635          | 22063         | 2.30%           | 0.276%        |

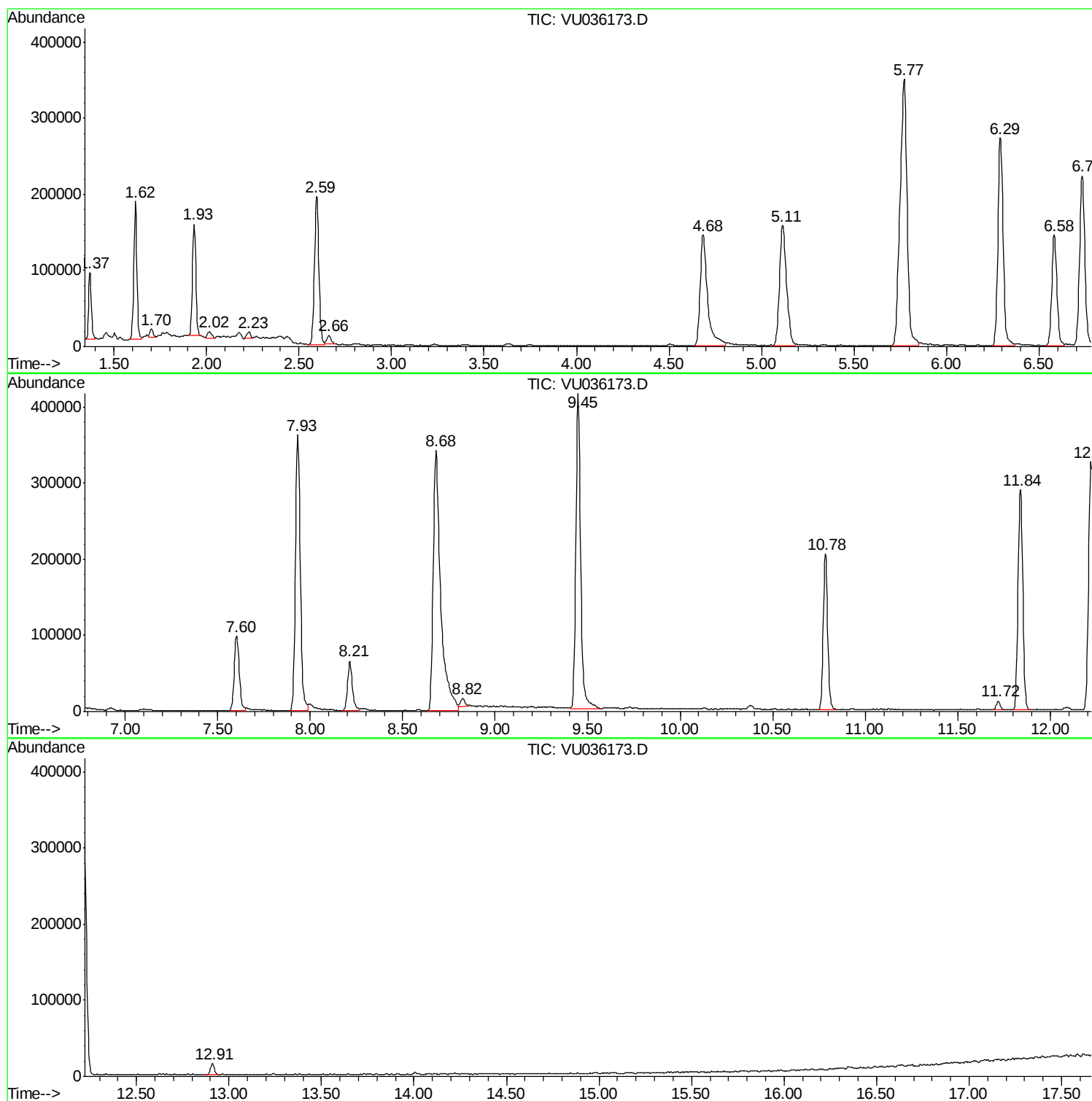
Sum of corrected areas: 8001238

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR121219WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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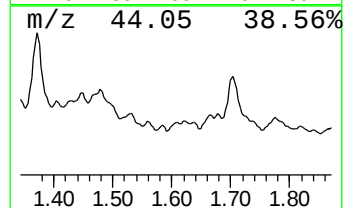
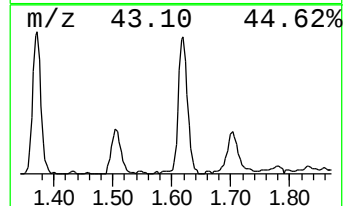
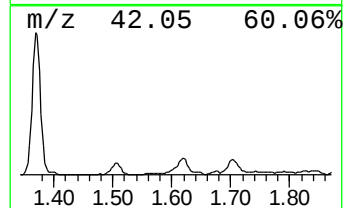
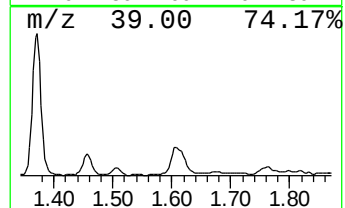
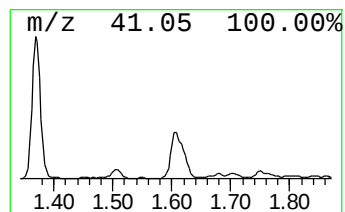
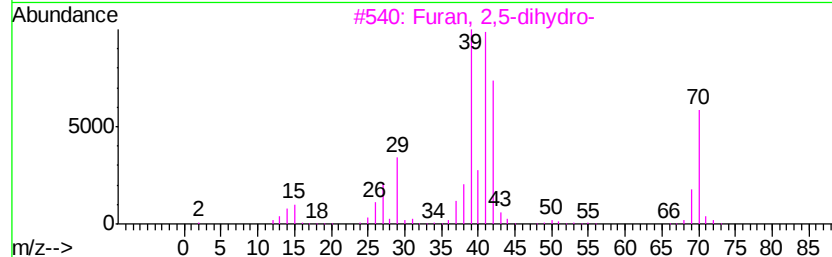
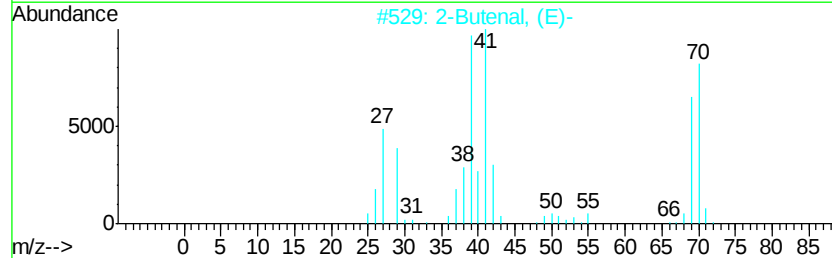
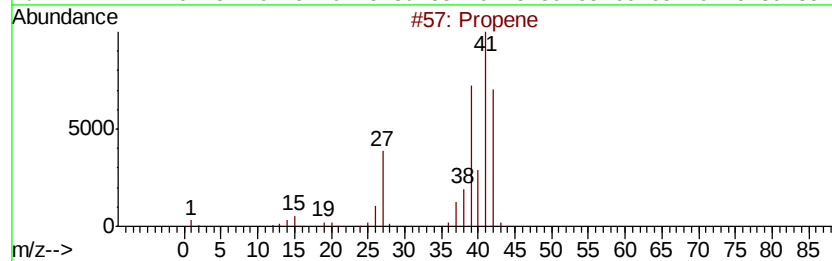
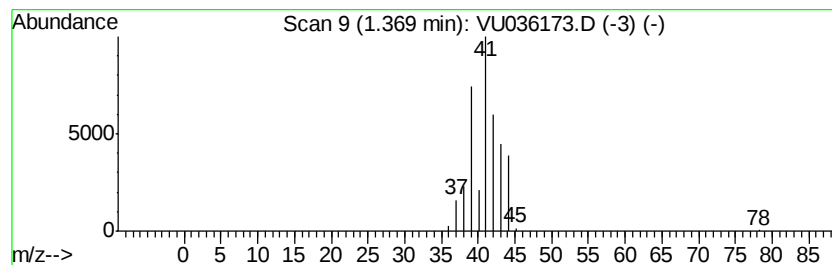
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TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Cyclic1.37 Concentration Rank 2

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 1.37 | 0.82 ug/L | 87811 | 1,4-Difluorobenzene | 6.29 |

| Hit# | of | 5 | Tentative ID        | MW | MolForm | CAS#        | Qual |
|------|----|---|---------------------|----|---------|-------------|------|
| 1    |    |   | Propene             | 42 | C3H6    | 000115-07-1 | 78   |
| 2    |    |   | 2-Butenal, (E)-     | 70 | C4H6O   | 000123-73-9 | 72   |
| 3    |    |   | Furan, 2,5-dihydro- | 70 | C4H6O   | 001708-29-8 | 59   |
| 4    |    |   | Propene             | 42 | C3H6    | 000115-07-1 | 42   |
| 5    |    |   | Dimethylketene      | 70 | C4H6O   | 000598-26-5 | 40   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| (DEL) Alkane: Cyc... | 1.37 | 0.8     | ug/L  | 87811    | 1                     | 6.29 | 535990 | 5.0  |