

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_R\Data\VR061618\  
 Data File : VR025330.D  
 Acq On : 16 Jun 2018 18:37  
 Operator : SY/MD  
 Sample : J3550-14  
 Misc : 25mL/MSVOA\_R/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 ESWG5

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 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\_R\METHODS\SOMRTR061518WMA.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         | 1.621       | 37            | 48          | 70           | rBV      | 3001602        | 7540191       | 100.00%         | 32.193%       |
| 2         | 1.980       | 97            | 107         | 127          | rBV2     | 226533         | 743920        | 9.87%           | 3.176%        |
| 3         | 2.138       | 127           | 133         | 147          | rVB      | 83090          | 205955        | 2.73%           | 0.879%        |
| 4         | 2.631       | 203           | 214         | 225          | rBV3     | 59521          | 163892        | 2.17%           | 0.700%        |
| 5         | 3.629       | 363           | 378         | 388          | rBV2     | 134236         | 479705        | 6.36%           | 2.048%        |
| 6         | 6.591       | 855           | 865         | 875          | rBV      | 137224         | 423020        | 5.61%           | 1.806%        |
| 7         | 6.695       | 875           | 882         | 889          | rVV2     | 53367          | 150751        | 2.00%           | 0.644%        |
| 8         | 7.224       | 954           | 969         | 980          | rBV3     | 693386         | 2323673       | 30.82%          | 9.921%        |
| 9         | 7.857       | 1062          | 1073        | 1087         | rBV2     | 683519         | 1862092       | 24.70%          | 7.950%        |
| 10        | 8.459       | 1164          | 1172        | 1183         | rBV      | 725438         | 1392394       | 18.47%          | 5.945%        |
| 11        | 8.897       | 1235          | 1244        | 1254         | rBV      | 459423         | 871275        | 11.56%          | 3.720%        |
| 12        | 9.280       | 1302          | 1307        | 1318         | rVB2     | 135963         | 244684        | 3.25%           | 1.045%        |
| 13        | 9.682       | 1365          | 1373        | 1380         | rBV      | 137500         | 242124        | 3.21%           | 1.034%        |
| 14        | 9.968       | 1410          | 1420        | 1427         | rBV      | 1049781        | 1677985       | 22.25%          | 7.164%        |
| 15        | 10.035      | 1427          | 1431        | 1437         | rVB      | 116897         | 185041        | 2.45%           | 0.790%        |
| 16        | 10.235      | 1459          | 1464        | 1471         | rVB      | 76728          | 120080        | 1.59%           | 0.513%        |
| 17        | 10.588      | 1515          | 1522        | 1533         | rBV      | 690427         | 1098426       | 14.57%          | 4.690%        |
| 18        | 11.288      | 1629          | 1637        | 1645         | rBV      | 967862         | 1490087       | 19.76%          | 6.362%        |
| 19        | 12.365      | 1808          | 1814        | 1823         | rVB      | 194828         | 292669        | 3.88%           | 1.250%        |
| 20        | 13.222      | 1948          | 1955        | 1963         | rBV      | 747730         | 1037440       | 13.76%          | 4.429%        |
| 21        | 13.514      | 1997          | 2003        | 2013         | rVB      | 602227         | 876220        | 11.62%          | 3.741%        |

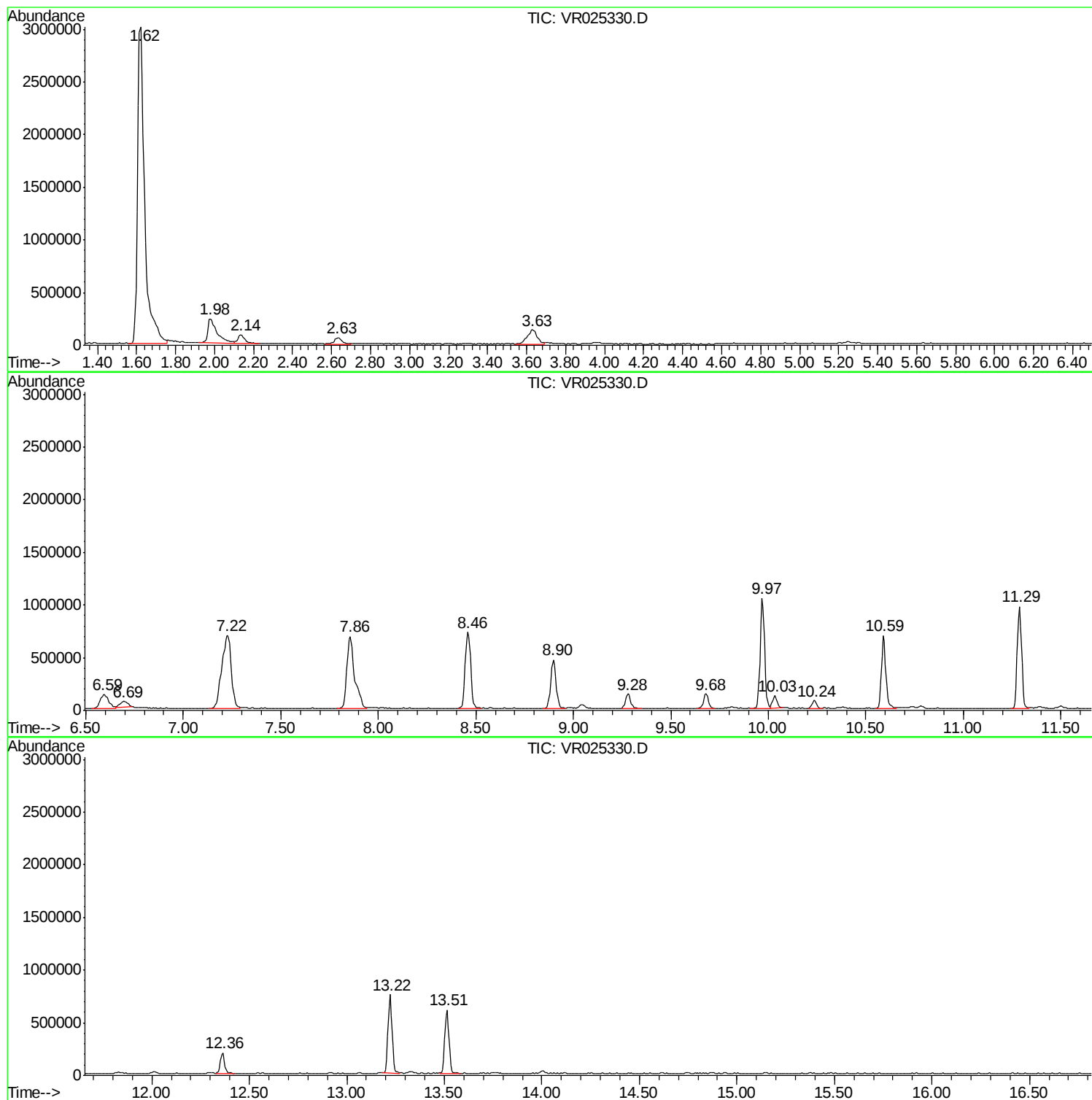
Sum of corrected areas: 23421624

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MSVOA\_R  
ClientSampleId :  
ESWG5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR061518WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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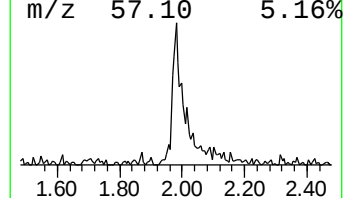
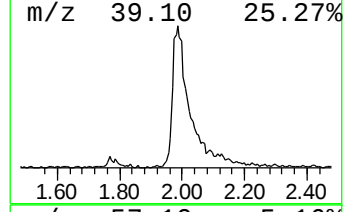
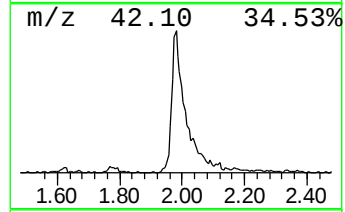
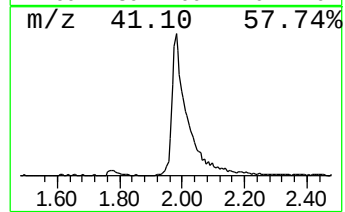
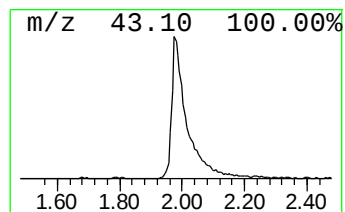
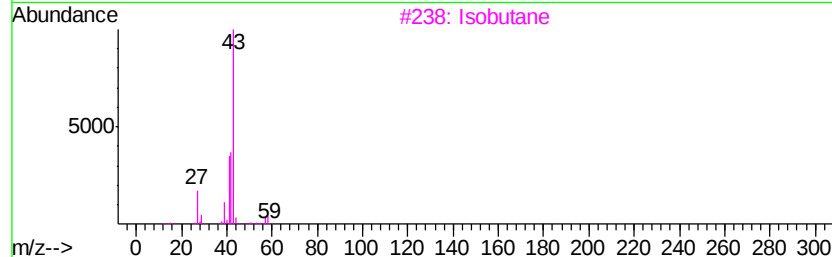
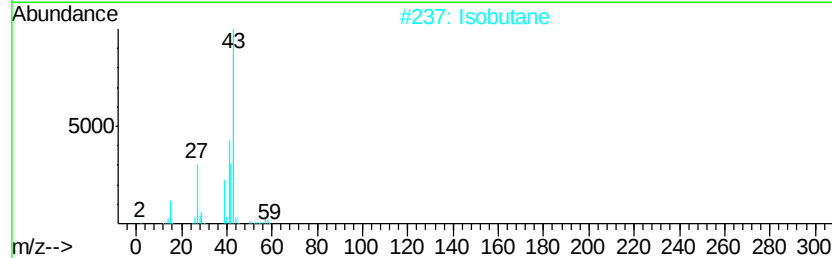
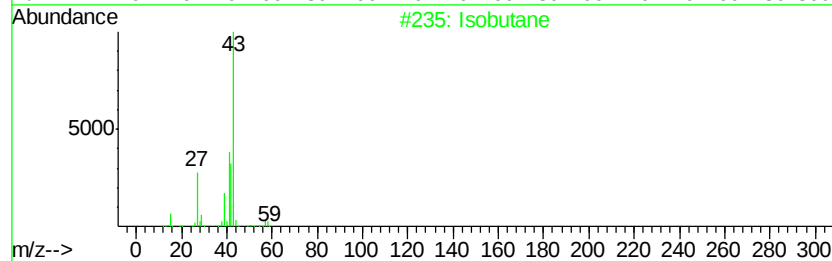
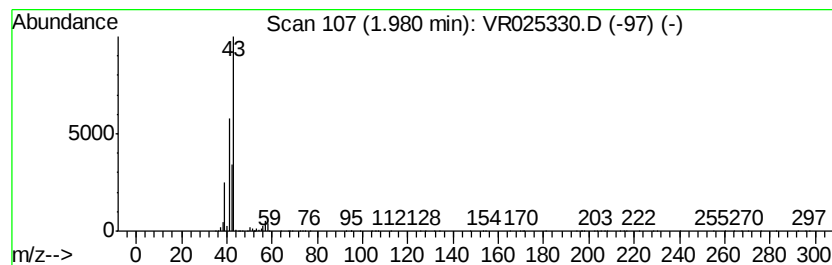
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 1.98 | 2.67 ug/L | 743920 | 1,4-Difluorobenzene | 8.47 |

| Hit# | of | Tentative ID        | MW | MolForm | CAS#        | Qual |
|------|----|---------------------|----|---------|-------------|------|
| 1    | 5  | Isobutane           | 58 | C4H10   | 000075-28-5 | 50   |
| 2    |    | Isobutane           | 58 | C4H10   | 000075-28-5 | 50   |
| 3    |    | Isobutane           | 58 | C4H10   | 000075-28-5 | 42   |
| 4    |    | Propanal, 2-methyl- | 72 | C4H8O   | 000078-84-2 | 32   |
| 5    |    | Isobutane           | 58 | C4H10   | 000075-28-5 | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|----------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                      |      |         |       |          | #                     | RT   | Resp    | Conc |
| (DEL) Alkane: Str... | 1.98 | 2.7     | ug/L  | 743920   | 1                     | 8.47 | 1392390 | 5.0  |