

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061919\  
 Data File : VV011590.D  
 Acq On : 18 Jun 2019 22:05  
 Operator : SY/MD  
 Sample : K3381-14  
 Misc : 25ML/MSVOA V/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFCQ4

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\_V\METHOD\SOMVTR061419WMA.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         | 1.113       | 4             | 7           | 26           | rVB      | 33481          | 45525         | 2.37%           | 0.442%        |
| 2         | 1.222       | 38            | 41          | 57           | rVB3     | 35430          | 43807         | 2.28%           | 0.425%        |
| 3         | 1.315       | 63            | 70          | 78           | rVB2     | 111891         | 111819        | 5.82%           | 1.085%        |
| 4         | 1.544       | 137           | 141         | 153          | rVB      | 89480          | 105570        | 5.50%           | 1.024%        |
| 5         | 1.958       | 263           | 270         | 278          | rVB2     | 17797          | 25488         | 1.33%           | 0.247%        |
| 6         | 2.122       | 309           | 321         | 334          | rBV4     | 593551         | 931890        | 48.54%          | 9.042%        |
| 7         | 2.190       | 335           | 342         | 355          | rVB      | 37045          | 56710         | 2.95%           | 0.550%        |
| 8         | 2.781       | 514           | 526         | 535          | rBV3     | 12716          | 24464         | 1.27%           | 0.237%        |
| 9         | 3.219       | 645           | 662         | 686          | rBV      | 934371         | 1919824       | 100.00%         | 18.628%       |
| 10        | 3.952       | 872           | 890         | 922          | rBV2     | 637404         | 1650542       | 85.97%          | 16.015%       |
| 11        | 4.392       | 1012          | 1027        | 1044         | rBV      | 115822         | 278153        | 14.49%          | 2.699%        |
| 12        | 4.650       | 1086          | 1107        | 1125         | rBV      | 167816         | 418518        | 21.80%          | 4.061%        |
| 13        | 5.090       | 1221          | 1244        | 1269         | rBV2     | 278360         | 683832        | 35.62%          | 6.635%        |
| 14        | 5.659       | 1408          | 1421        | 1444         | rBV      | 195260         | 389105        | 20.27%          | 3.775%        |
| 15        | 5.955       | 1499          | 1513        | 1527         | rBV      | 94687          | 185876        | 9.68%           | 1.804%        |
| 16        | 6.113       | 1547          | 1562        | 1579         | rBV      | 159937         | 328319        | 17.10%          | 3.186%        |
| 17        | 7.029       | 1834          | 1847        | 1861         | rBV      | 69735          | 127096        | 6.62%           | 1.233%        |
| 18        | 7.357       | 1934          | 1949        | 1965         | rBV      | 299002         | 528838        | 27.55%          | 5.131%        |
| 19        | 7.662       | 2033          | 2044        | 2057         | rBV      | 43894          | 76377         | 3.98%           | 0.741%        |
| 20        | 8.132       | 2177          | 2190        | 2221         | rBV      | 466774         | 839501        | 43.73%          | 8.146%        |
| 21        | 8.894       | 2414          | 2427        | 2450         | rBV      | 293818         | 486725        | 25.35%          | 4.723%        |
| 22        | 10.260      | 2839          | 2852        | 2868         | rBV      | 125971         | 202776        | 10.56%          | 1.968%        |
| 23        | 11.296      | 3162          | 3174        | 3192         | rBV      | 235131         | 393965        | 20.52%          | 3.823%        |
| 24        | 11.672      | 3279          | 3291        | 3307         | rBV      | 272144         | 451388        | 23.51%          | 4.380%        |

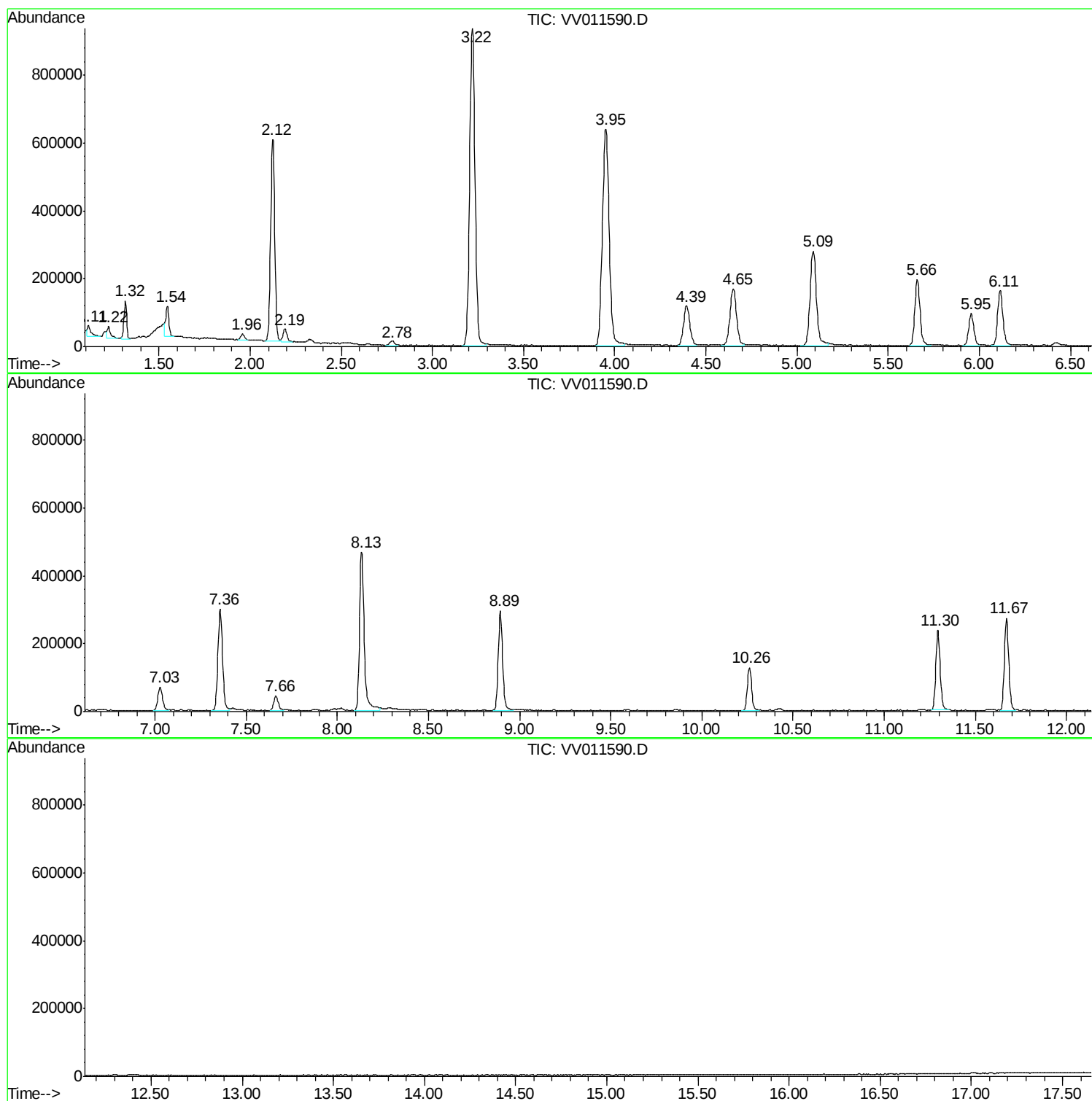
Sum of corrected areas: 10306108

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ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFCQ4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061419WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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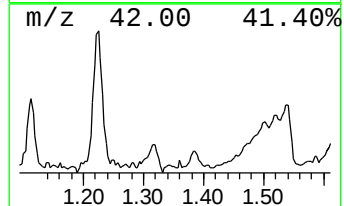
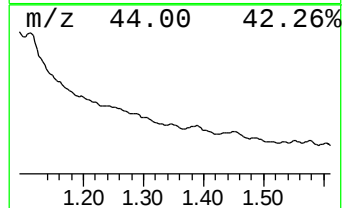
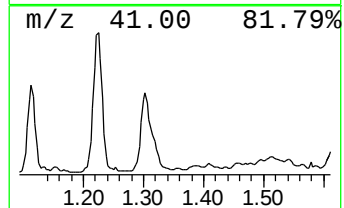
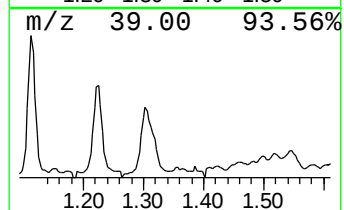
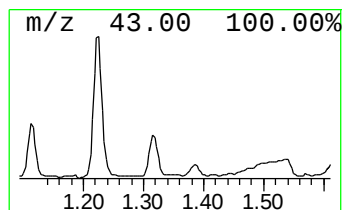
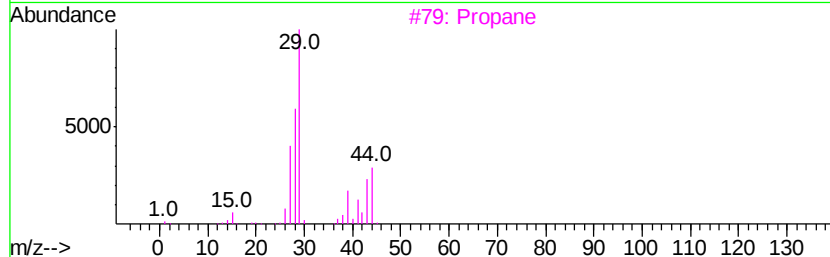
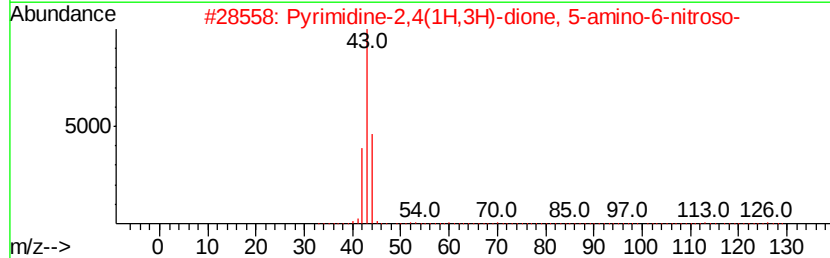
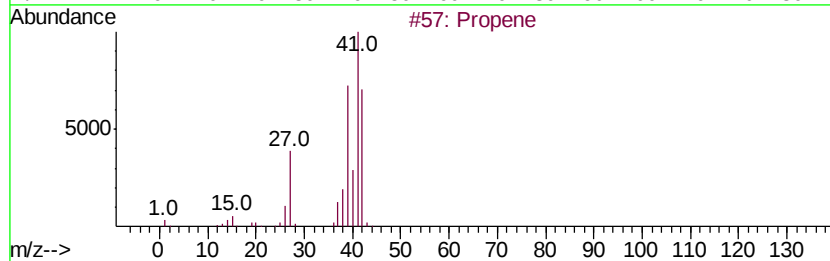
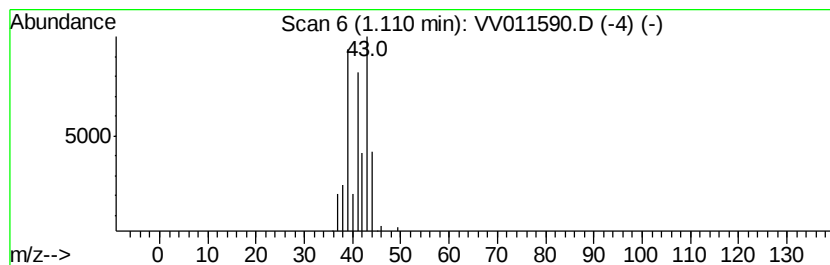
Instrument :  
MSVOA\_V  
ClientSampled :  
BFCQ4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061419WMA.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: Cyclic1.11 Concentration Rank 2

| R.T.      | EstConc                             | Area  | Relative to ISTD    | R.T.         |      |
|-----------|-------------------------------------|-------|---------------------|--------------|------|
| 1.11      | 0.58 ug/L                           | 45525 | 1,4-Difluorobenzene | 5.66         |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm             | CAS#         | Qual |
| 1         | Propene                             | 42    | C3H6                | 000115-07-1  | 9    |
| 2         | Pyrimidine-2,4(1H,3H)-dione, 5-a... | 156   | C4H4N4O3            | 1000270-67-7 | 2    |
| 3         | Propane                             | 44    | C3H8                | 000074-98-6  | 2    |
| 4         | Propane                             | 44    | C3H8                | 000074-98-6  | 2    |
| 5         | Propane                             | 44    | C3H8                | 000074-98-6  | 2    |



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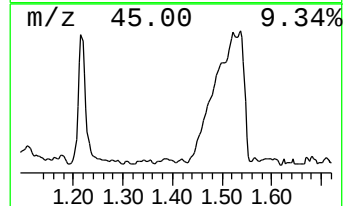
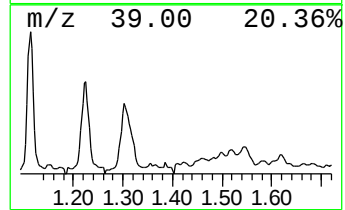
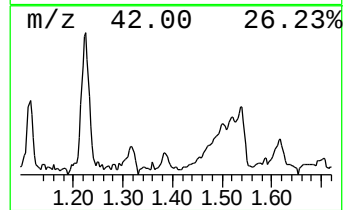
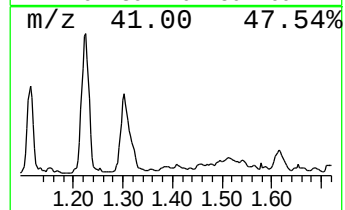
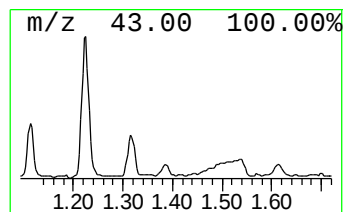
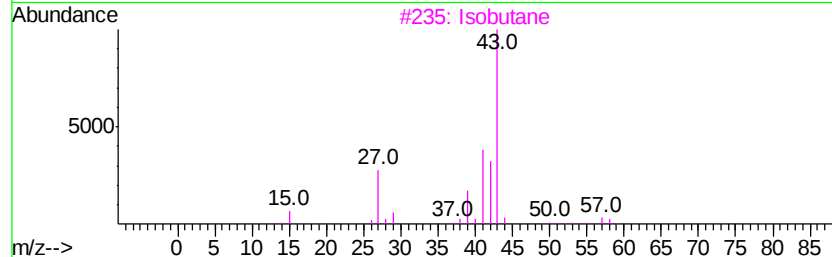
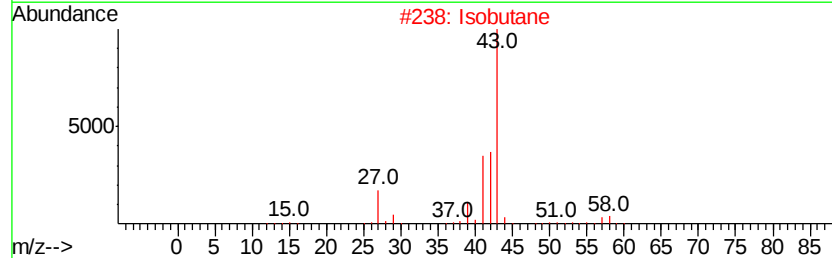
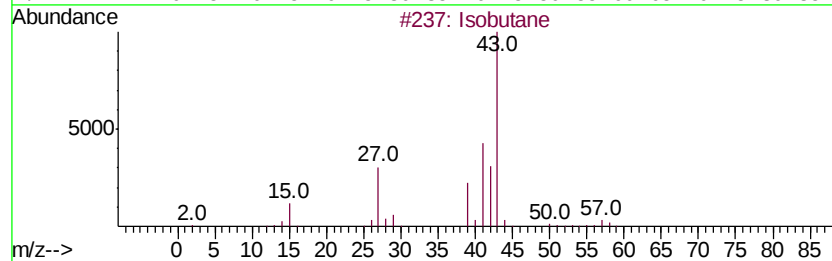
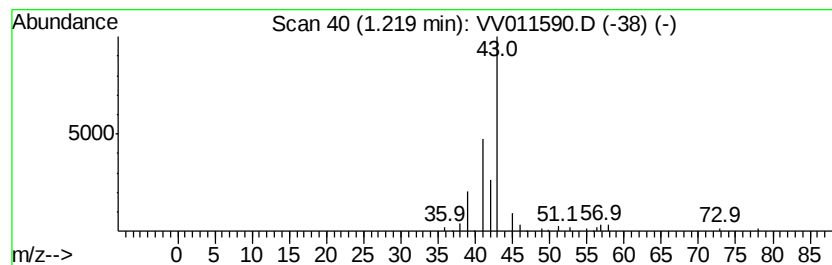
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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 1.22 | 0.56 ug/L | 43807 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | 5 | Tentative ID      | MW | MolForm | CAS#        | Qual |
|------|----|---|-------------------|----|---------|-------------|------|
| 1    |    |   | Isobutane         | 58 | C4H10   | 000075-28-5 | 45   |
| 2    |    |   | Isobutane         | 58 | C4H10   | 000075-28-5 | 42   |
| 3    |    |   | Isobutane         | 58 | C4H10   | 000075-28-5 | 9    |
| 4    |    |   | Isobutane         | 58 | C4H10   | 000075-28-5 | 7    |
| 5    |    |   | Butane, 2-methyl- | 72 | C5H12   | 000078-78-4 | 4    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| (DEL) Alkane: Cyc... | 1.11 | 0.6     | ug/L  | 45525    | 1                     | 5.66 | 389105 | 5.0  |
| (DEL) Alkane: Str... | 1.22 | 0.6     | ug/L  | 43807    | 1                     | 5.66 | 389105 | 5.0  |