

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102120\  
 Data File : VU040904.D  
 Acq On : 22 Oct 2020 14:08  
 Operator : SY/MD  
 Sample : L4428-22DL 5X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ETZ54DL

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\SOMUTR102120WMA.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         | 1.366       | 3             | 8           | 19           | rVB      | 634792         | 598616        | 45.94%          | 6.707%        |
| 2         | 1.494       | 42            | 48          | 58           | rVB      | 67182          | 66847         | 5.13%           | 0.749%        |
| 3         | 1.607       | 75            | 83          | 94           | rBV2     | 217611         | 239857        | 18.41%          | 2.688%        |
| 4         | 1.922       | 174           | 181         | 195          | rVB      | 88677          | 118442        | 9.09%           | 1.327%        |
| 5         | 2.006       | 201           | 207         | 217          | rVB4     | 15169          | 19755         | 1.52%           | 0.221%        |
| 6         | 2.581       | 373           | 386         | 402          | rBV      | 163226         | 270329        | 20.75%          | 3.029%        |
| 7         | 3.064       | 521           | 536         | 553          | rVB      | 34463          | 67908         | 5.21%           | 0.761%        |
| 8         | 4.684       | 1014          | 1040        | 1068         | rBV2     | 246489         | 944626        | 72.50%          | 10.584%       |
| 9         | 5.083       | 1147          | 1164        | 1182         | rBV      | 174338         | 374789        | 28.77%          | 4.199%        |
| 10        | 5.739       | 1345          | 1368        | 1388         | rBV2     | 308979         | 841600        | 64.59%          | 9.430%        |
| 11        | 6.263       | 1515          | 1531        | 1551         | rBV      | 298281         | 558348        | 42.85%          | 6.256%        |
| 12        | 6.703       | 1654          | 1668        | 1683         | rBV      | 212533         | 421005        | 32.31%          | 4.717%        |
| 13        | 7.575       | 1925          | 1939        | 1953         | rBV      | 97608          | 172434        | 13.23%          | 1.932%        |
| 14        | 7.906       | 2022          | 2042        | 2060         | rBV      | 325250         | 555093        | 42.60%          | 6.220%        |
| 15        | 8.186       | 2118          | 2129        | 2144         | rBV      | 67812          | 116959        | 8.98%           | 1.310%        |
| 16        | 8.639       | 2254          | 2270        | 2301         | rBV      | 724156         | 1302900       | 100.00%         | 14.599%       |
| 17        | 9.420       | 2497          | 2513        | 2529         | rBV      | 457426         | 747234        | 57.35%          | 8.373%        |
| 18        | 10.755      | 2914          | 2928        | 2944         | rBV      | 198544         | 315588        | 24.22%          | 3.536%        |
| 19        | 11.809      | 3241          | 3256        | 3272         | rBV      | 388314         | 625007        | 47.97%          | 7.003%        |
| 20        | 12.189      | 3361          | 3374        | 3386         | rBV      | 357461         | 567523        | 43.56%          | 6.359%        |

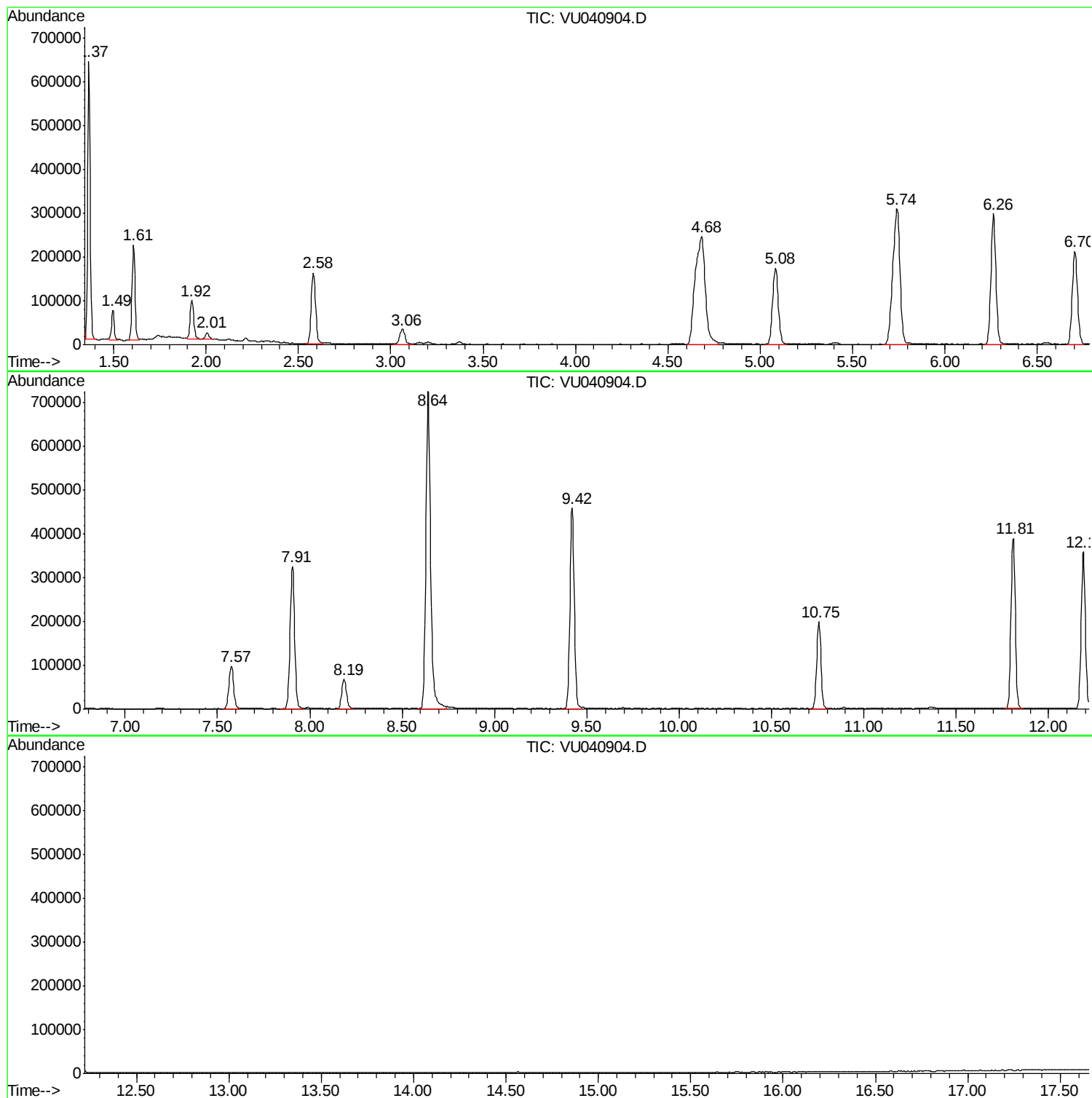
Sum of corrected areas: 8924860

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Instrument :  
MSVOA\_U  
ClientSampleId :  
ETZ54DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR102120WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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MSVOA\_U  
ClientSampled :  
ETZ54DL

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR102120WMA.M  
Quant Title : TRACE VOA SOM01.0

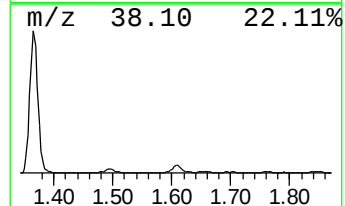
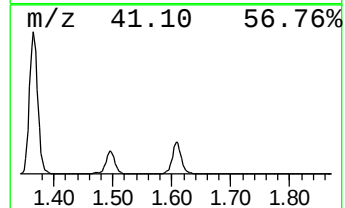
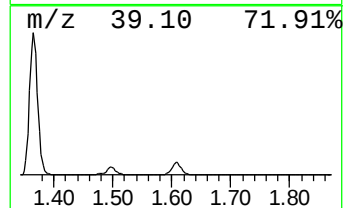
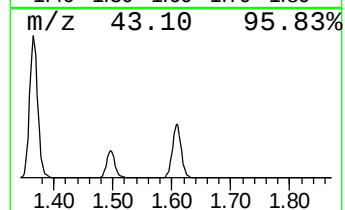
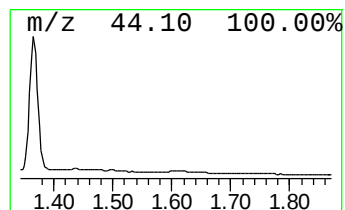
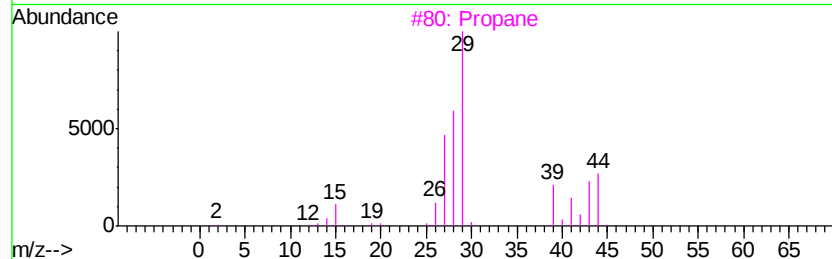
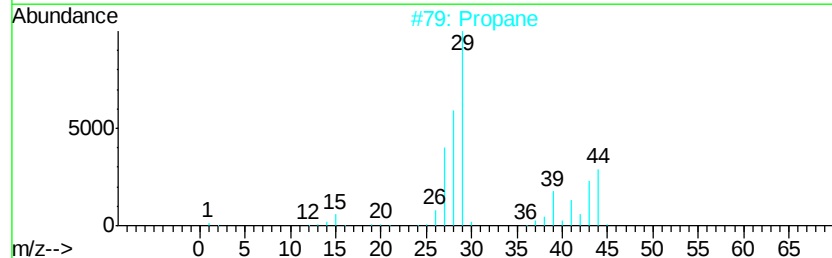
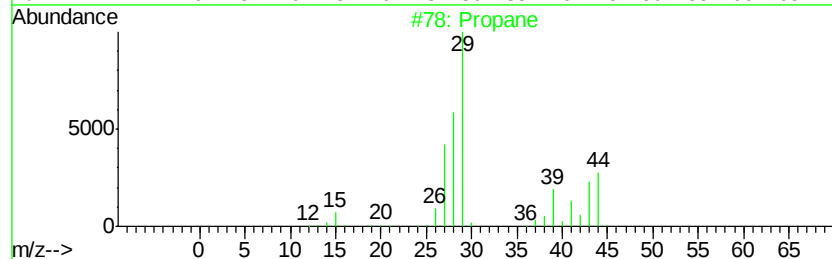
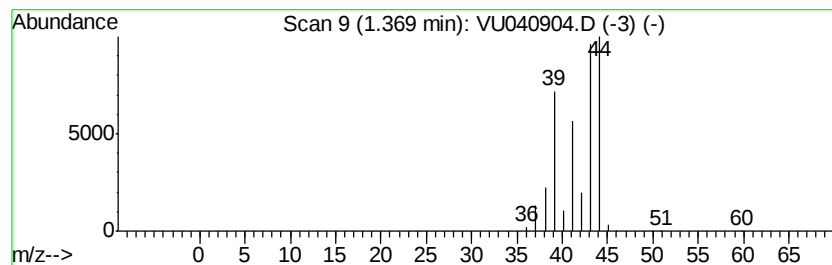
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 1.37 | 5.36 ug/L | 598616 | 1,4-Difluorobenzene | 6.26 |

| Hit# | of           | 5 | Tentative ID | MW | MolForm | CAS#        | Qual |
|------|--------------|---|--------------|----|---------|-------------|------|
| 1    | Propane      |   |              | 44 | C3H8    | 000074-98-6 | 90   |
| 2    | Propane      |   |              | 44 | C3H8    | 000074-98-6 | 83   |
| 3    | Propane      |   |              | 44 | C3H8    | 000074-98-6 | 9    |
| 4    | Propene      |   |              | 42 | C3H6    | 000115-07-1 | 9    |
| 5    | Acetaldehyde |   |              | 44 | C2H4O   | 000075-07-0 | 5    |



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Quant Title : TRACE VOA SOM01.0

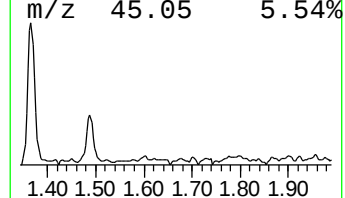
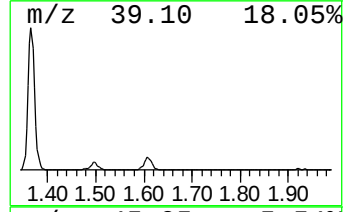
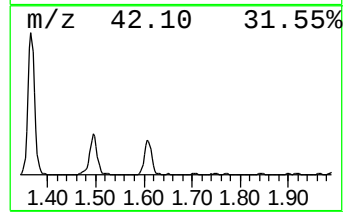
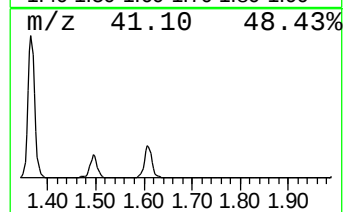
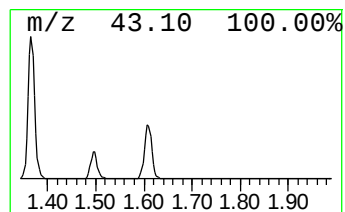
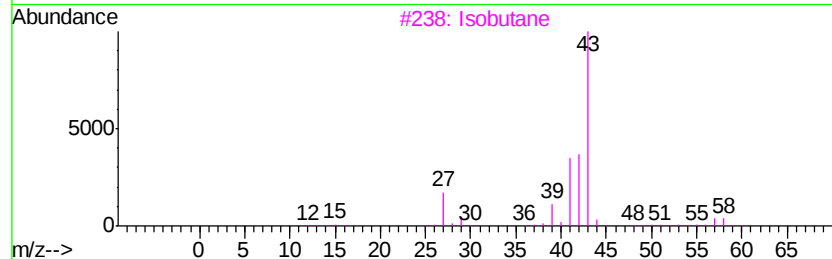
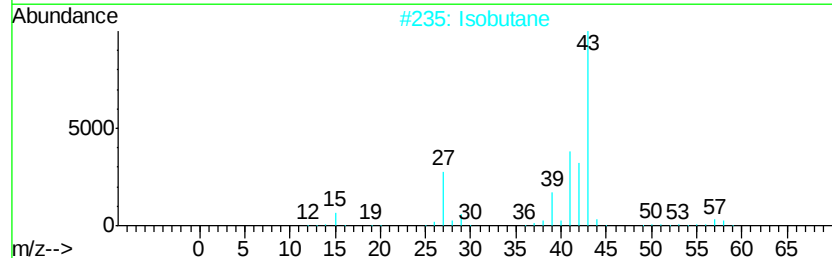
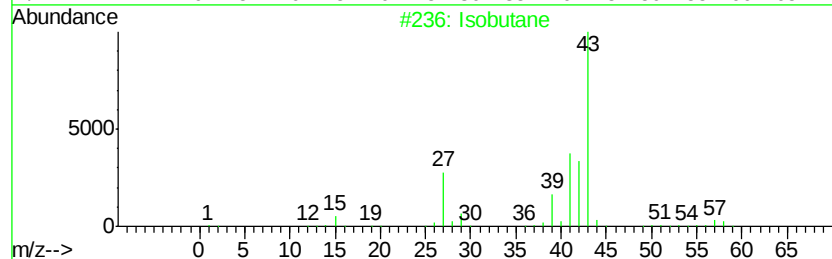
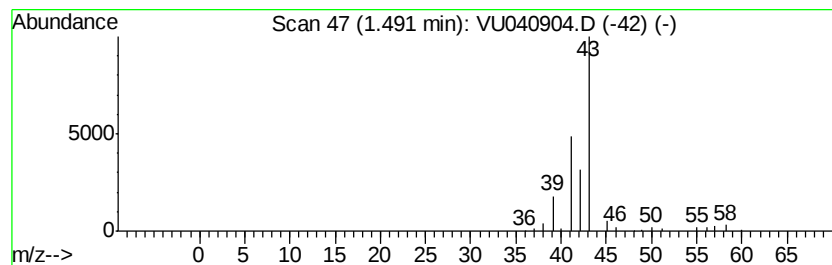
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TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 1.49 | 0.60 ug/L | 66847 | 1,4-Difluorobenzene | 6.26 |

| Hit# | of | 5 | Tentative ID         | MW | MolForm | CAS#        | Qual |
|------|----|---|----------------------|----|---------|-------------|------|
| 1    |    |   | Isobutane            | 58 | C4H10   | 000075-28-5 | 72   |
| 2    |    |   | Isobutane            | 58 | C4H10   | 000075-28-5 | 50   |
| 3    |    |   | Isobutane            | 58 | C4H10   | 000075-28-5 | 45   |
| 4    |    |   | Isobutane            | 58 | C4H10   | 000075-28-5 | 9    |
| 5    |    |   | 1-Pentene, 4-methyl- | 84 | C6H12   | 000691-37-2 | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| (DEL) Alkane: Str... | 1.37 | 5.4     | ug/L  | 598616   | 1                     | 6.26 | 558348 | 5.0  |
| (DEL) Alkane: Str... | 1.49 | 0.6     | ug/L  | 66847    | 1                     | 6.26 | 558348 | 5.0  |