

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\  
 Data File : VU041353.D  
 Acq On : 19 Nov 2020 19:12  
 Operator : SY/MD  
 Sample : L4790-18  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H4419

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\SOMUTR111620WMA.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         | 1.494       | 41            | 48          | 54           | rBV2     | 14520          | 14654         | 3.82%           | 0.552%        |
| 2         | 1.610       | 64            | 84          | 92           | rBV2     | 140209         | 199124        | 51.89%          | 7.496%        |
| 3         | 1.922       | 174           | 181         | 194          | rVB      | 22353          | 33181         | 8.65%           | 1.249%        |
| 4         | 2.578       | 374           | 385         | 400          | rBV      | 38129          | 61646         | 16.06%          | 2.321%        |
| 5         | 3.375       | 617           | 633         | 665          | rBV2     | 157833         | 383753        | 100.00%         | 14.447%       |
| 6         | 3.713       | 726           | 738         | 748          | rVB8     | 1795           | 4053          | 1.06%           | 0.153%        |
| 7         | 3.883       | 779           | 791         | 809          | rVB2     | 6216           | 13216         | 3.44%           | 0.498%        |
| 8         | 4.546       | 982           | 997         | 1011         | rBB5     | 8011           | 19192         | 5.00%           | 0.723%        |
| 9         | 4.671       | 1016          | 1036        | 1077         | rBV3     | 44538          | 177856        | 46.35%          | 6.696%        |
| 10        | 5.079       | 1149          | 1163        | 1183         | rBB2     | 46916          | 102642        | 26.75%          | 3.864%        |
| 11        | 5.739       | 1347          | 1368        | 1395         | rVB2     | 81147          | 228902        | 59.65%          | 8.617%        |
| 12        | 6.263       | 1517          | 1531        | 1549         | rBV      | 78549          | 144625        | 37.69%          | 5.445%        |
| 13        | 6.703       | 1654          | 1668        | 1682         | rBV      | 56640          | 109907        | 28.64%          | 4.138%        |
| 14        | 7.574       | 1928          | 1939        | 1953         | rBV2     | 24766          | 43257         | 11.27%          | 1.628%        |
| 15        | 7.906       | 2027          | 2042        | 2055         | rBV      | 78933          | 133896        | 34.89%          | 5.041%        |
| 16        | 7.976       | 2055          | 2064        | 2073         | rVB2     | 5753           | 9203          | 2.40%           | 0.346%        |
| 17        | 8.185       | 2118          | 2129        | 2143         | rBV2     | 16756          | 28349         | 7.39%           | 1.067%        |
| 18        | 8.642       | 2258          | 2271        | 2310         | rBV      | 184126         | 364962        | 95.10%          | 13.739%       |
| 19        | 9.420       | 2501          | 2513        | 2534         | rBV      | 117580         | 192702        | 50.22%          | 7.254%        |
| 20        | 10.758      | 2917          | 2929        | 2944         | rBV2     | 52696          | 86327         | 22.50%          | 3.250%        |
| 21        | 11.809      | 3239          | 3256        | 3272         | rBB      | 96696          | 153492        | 40.00%          | 5.778%        |
| 22        | 12.188      | 3362          | 3374        | 3387         | rBV      | 96314          | 151384        | 39.45%          | 5.699%        |

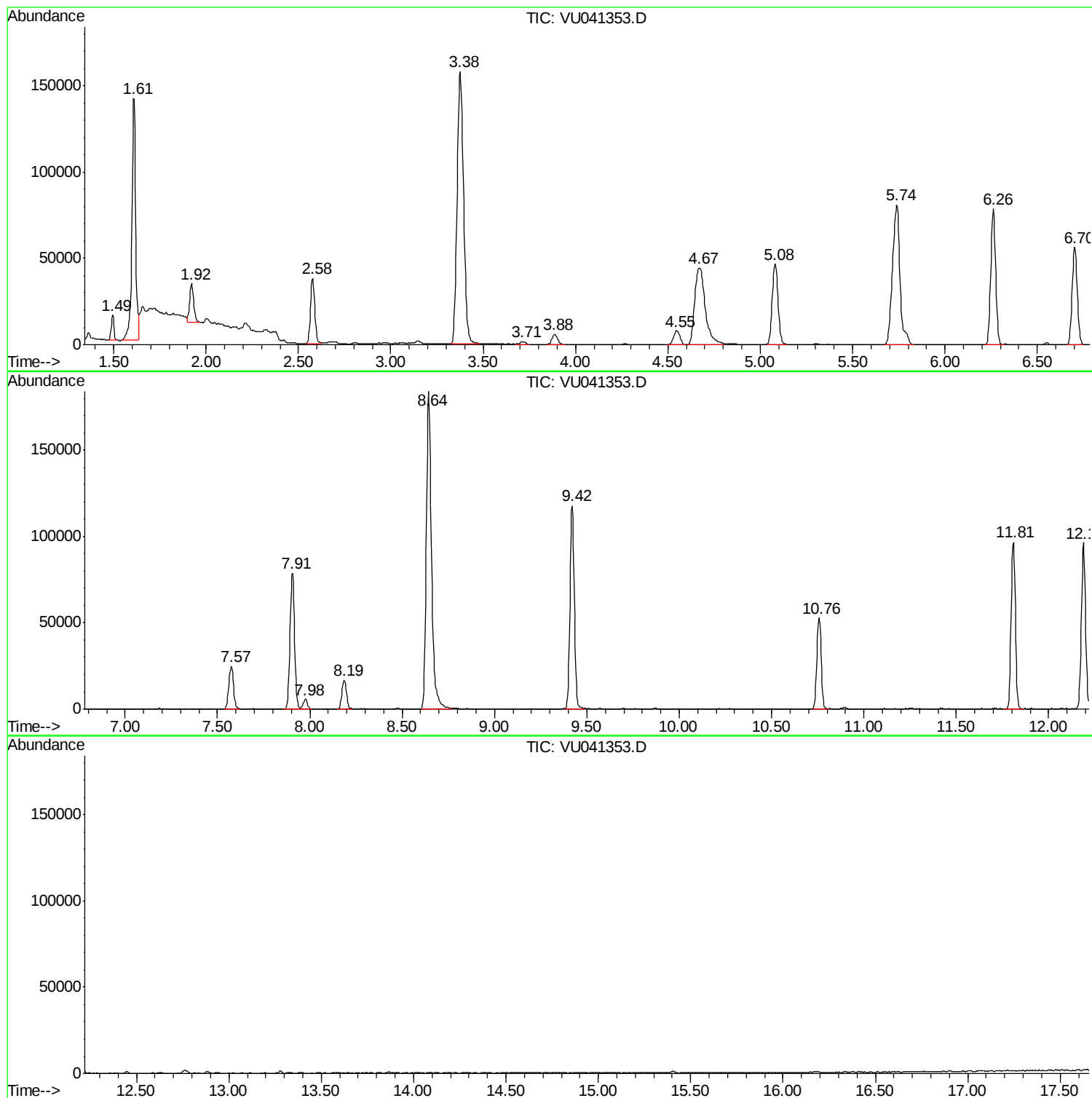
Sum of corrected areas: 2656323

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR111620WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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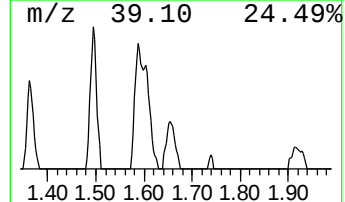
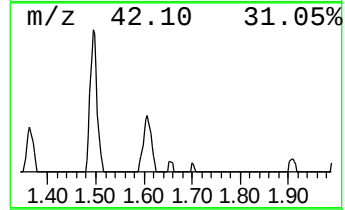
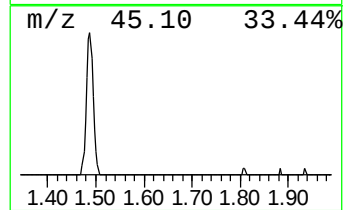
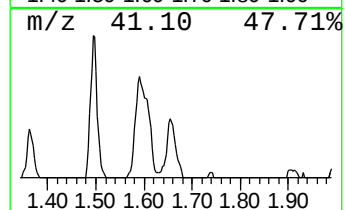
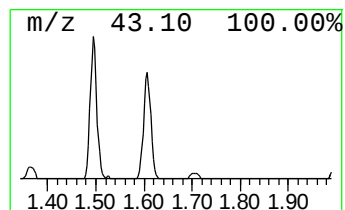
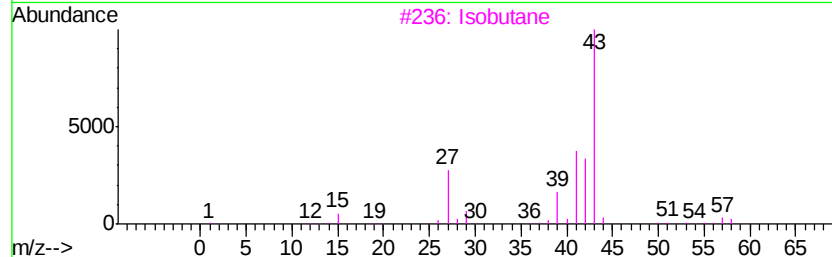
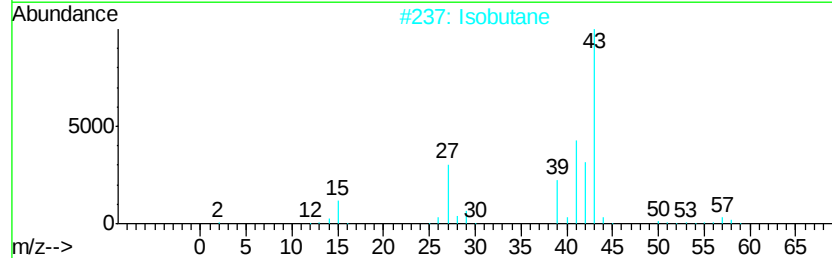
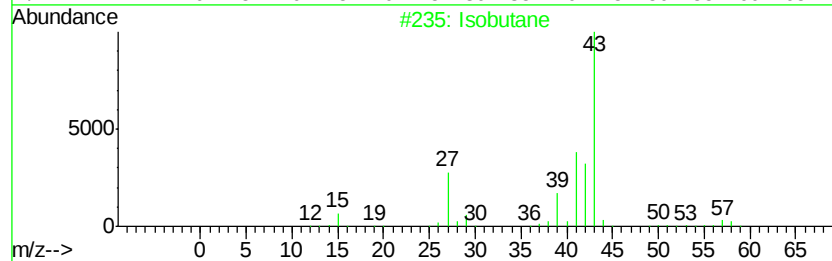
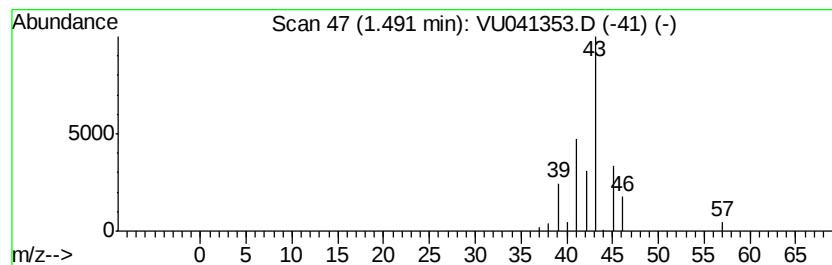
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 1.49 | 0.51 ug/L | 14654 | 1,4-Difluorobenzene | 6.26 |

| Hit# | of | Tentative ID      | MW | MolForm | CAS#        | Qual |
|------|----|-------------------|----|---------|-------------|------|
| 1    | 5  | Isobutane         | 58 | C4H10   | 000075-28-5 | 40   |
| 2    |    | Isobutane         | 58 | C4H10   | 000075-28-5 | 40   |
| 3    |    | Isobutane         | 58 | C4H10   | 000075-28-5 | 9    |
| 4    |    | Propane, 2-nitro- | 89 | C3H7NO2 | 000079-46-9 | 9    |
| 5    |    | Isobutane         | 58 | C4H10   | 000075-28-5 | 5    |



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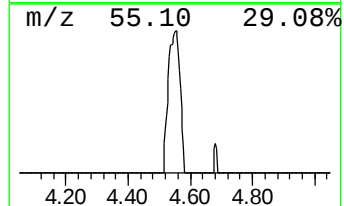
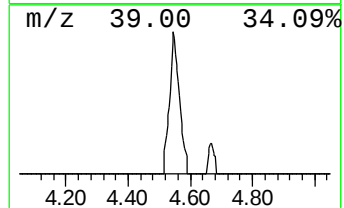
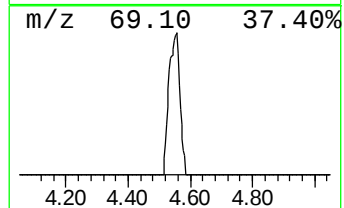
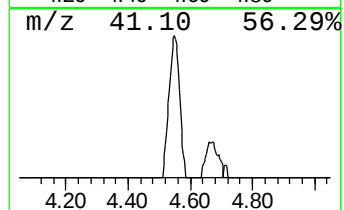
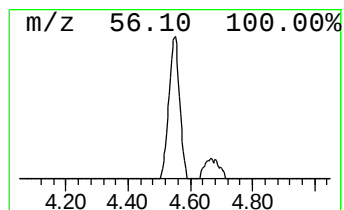
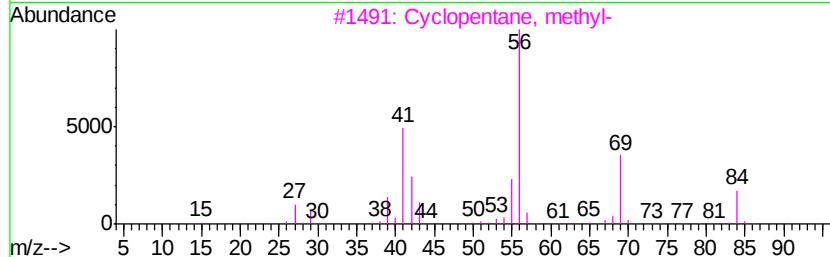
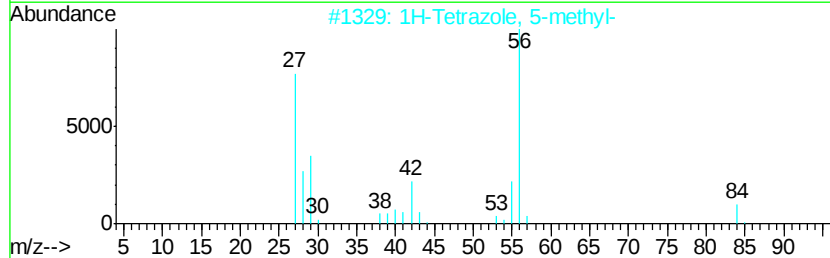
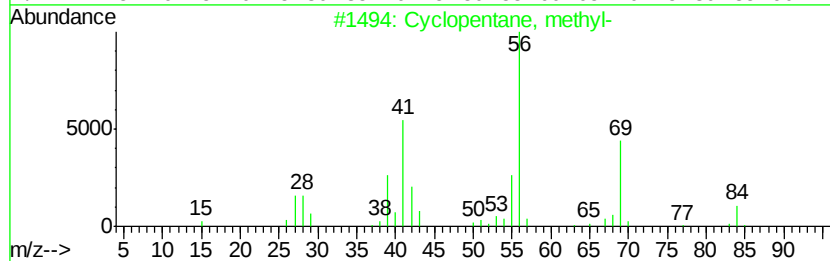
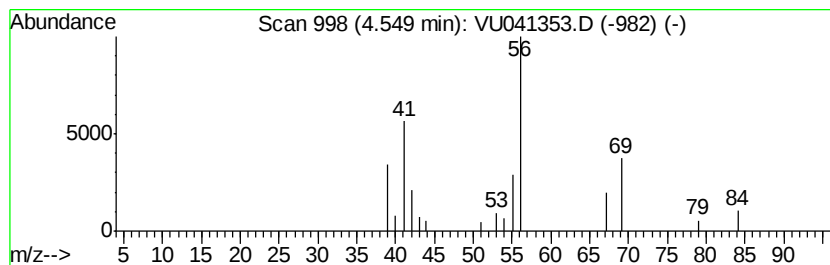
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Quant Title : TRACE VOA SOM01.0

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

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Peak Number 2 (DEL) Alkane: Cyclic4.55 Concentration Rank 2

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 4.55 | 0.66 ug/L | 19192 | 1,4-Difluorobenzene | 6.26 |

| Hit# | of | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|----|-------------------------|----|---------|-------------|------|
| 1    | 5  | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 64   |
| 2    |    | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4  | 004076-36-2 | 59   |
| 3    |    | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 59   |
| 4    |    | 1-Pentene, 2-methyl-    | 84 | C6H12   | 000763-29-1 | 59   |
| 5    |    | Cyclobutane, ethyl-     | 84 | C6H12   | 004806-61-5 | 40   |



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Quant Title : TRACE VOA SOM01.0

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

| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| (DEL) Alkane: Str... | 1.49 | 0.5     | ug/L  | 14654    | 1                     | 6.26 | 144625 | 5.0  |
| (DEL) Alkane: Cyc... | 4.55 | 0.7     | ug/L  | 19192    | 1                     | 6.26 | 144625 | 5.0  |