

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121919\  
 Data File : VV014138.D  
 Acq On : 19 Dec 2019 18:36  
 Operator : SY/MD  
 Sample : K6286-10  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFDY6

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\SOMVTR112219WMA.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         | 1.116       | 4             | 8           | 20           | rVB2     | 51513          | 56201         | 4.82%           | 0.554%        |
| 2         | 1.229       | 38            | 43          | 47           | rBV      | 19931          | 16279         | 1.40%           | 0.160%        |
| 3         | 1.319       | 63            | 71          | 79           | rVB      | 162918         | 178394        | 15.31%          | 1.758%        |
| 4         | 1.582       | 146           | 153         | 162          | rVB      | 145541         | 156435        | 13.43%          | 1.541%        |
| 5         | 2.129       | 313           | 323         | 336          | rBV      | 224368         | 322630        | 27.69%          | 3.179%        |
| 6         | 3.933       | 870           | 884         | 912          | rBV      | 157422         | 476113        | 40.86%          | 4.691%        |
| 7         | 4.396       | 1012          | 1028        | 1052         | rBV3     | 215257         | 588141        | 50.48%          | 5.794%        |
| 8         | 5.090       | 1228          | 1244        | 1267         | rBV4     | 404516         | 1015994       | 87.20%          | 10.010%       |
| 9         | 5.659       | 1407          | 1421        | 1441         | rBV      | 436964         | 865506        | 74.28%          | 8.527%        |
| 10        | 5.962       | 1502          | 1515        | 1526         | rVB6     | 17417          | 40549         | 3.48%           | 0.399%        |
| 11        | 6.113       | 1547          | 1562        | 1586         | rBV      | 262525         | 534617        | 45.89%          | 5.267%        |
| 12        | 6.335       | 1623          | 1631        | 1635         | rBV8     | 8940           | 12367         | 1.06%           | 0.122%        |
| 13        | 6.556       | 1688          | 1700        | 1709         | rBV5     | 12407          | 27188         | 2.33%           | 0.268%        |
| 14        | 7.026       | 1834          | 1846        | 1860         | rBV      | 117584         | 208086        | 17.86%          | 2.050%        |
| 15        | 7.357       | 1935          | 1949        | 1968         | rBV      | 399733         | 706289        | 60.62%          | 6.959%        |
| 16        | 7.659       | 2033          | 2043        | 2056         | rBV      | 70757          | 125481        | 10.77%          | 1.236%        |
| 17        | 8.132       | 2176          | 2190        | 2222         | rBV2     | 576639         | 1165121       | 100.00%         | 11.479%       |
| 18        | 8.280       | 2226          | 2236        | 2263         | rVB      | 242494         | 421366        | 36.16%          | 4.151%        |
| 19        | 8.891       | 2415          | 2426        | 2443         | rBV      | 656815         | 1060291       | 91.00%          | 10.446%       |
| 20        | 9.849       | 2718          | 2724        | 2737         | rVB10    | 13214          | 21308         | 1.83%           | 0.210%        |
| 21        | 10.254      | 2837          | 2850        | 2865         | rBV      | 203416         | 333793        | 28.65%          | 3.289%        |
| 22        | 11.190      | 3133          | 3141        | 3156         | rBV4     | 30359          | 52815         | 4.53%           | 0.520%        |
| 23        | 11.289      | 3160          | 3172        | 3190         | rBV      | 587652         | 911199        | 78.21%          | 8.977%        |
| 24        | 11.665      | 3275          | 3289        | 3307         | rBV      | 458023         | 733517        | 62.96%          | 7.227%        |
| 25        | 12.386      | 3505          | 3513        | 3526         | rBV4     | 56247          | 87885         | 7.54%           | 0.866%        |
| 26        | 13.479      | 3842          | 3853        | 3866         | rBV4     | 15347          | 32447         | 2.78%           | 0.320%        |

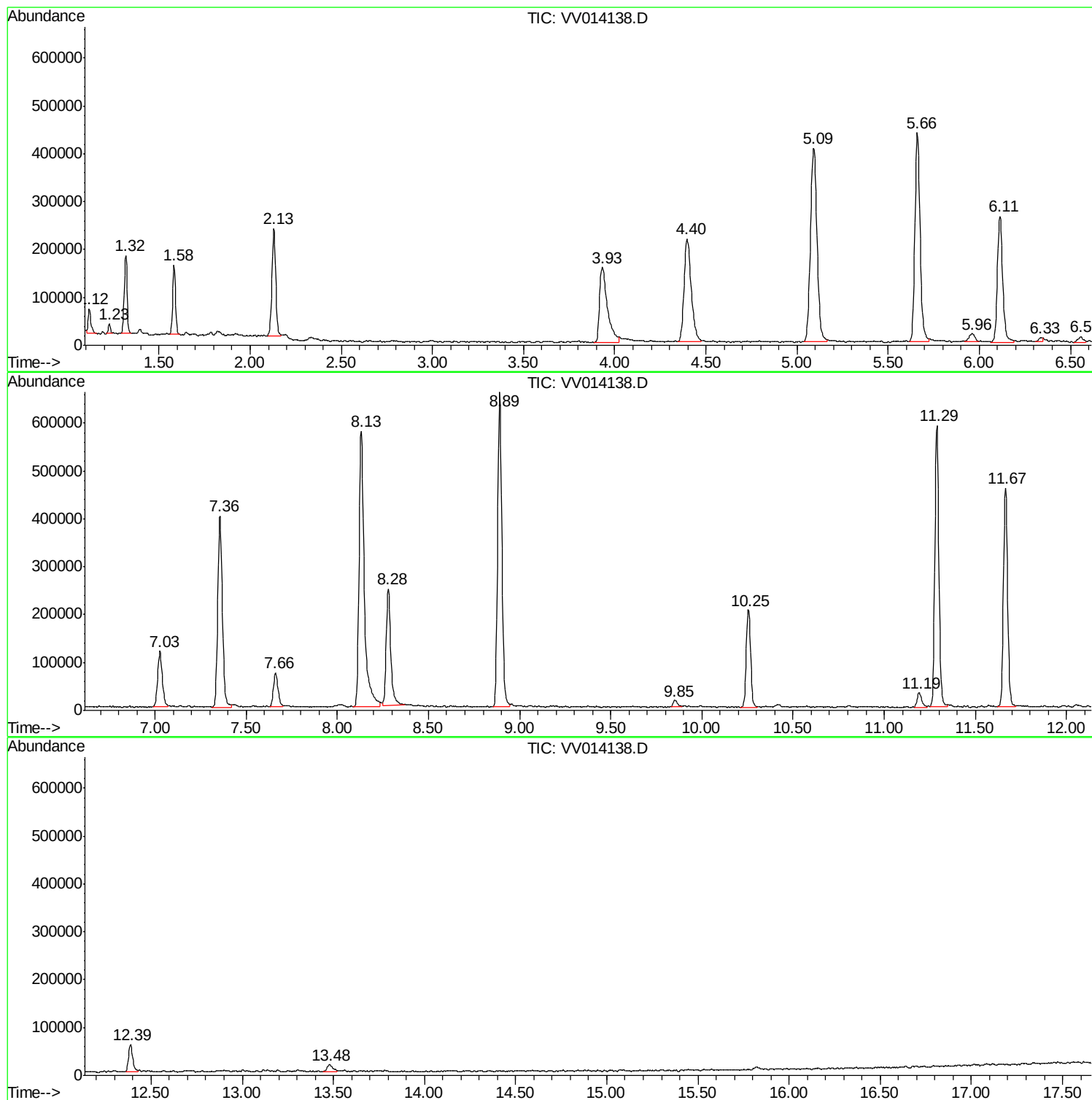
Sum of corrected areas: 10150012

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BFDY6

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR112219WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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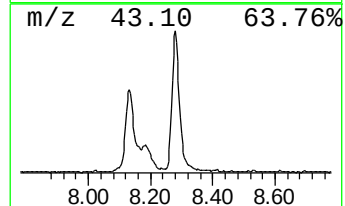
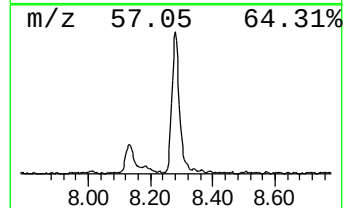
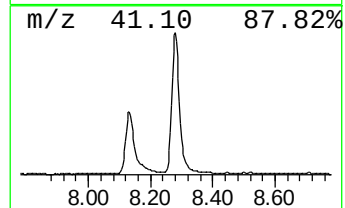
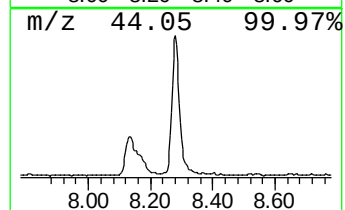
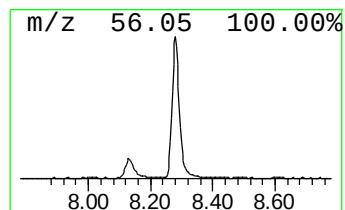
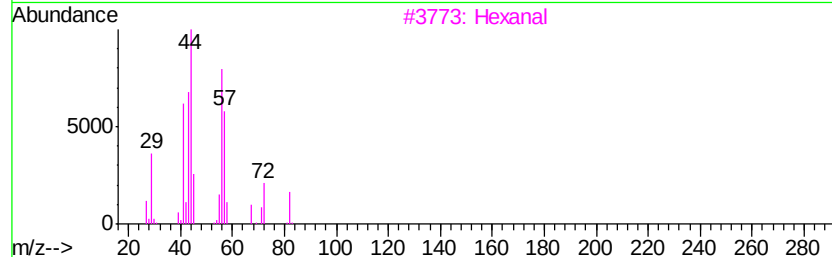
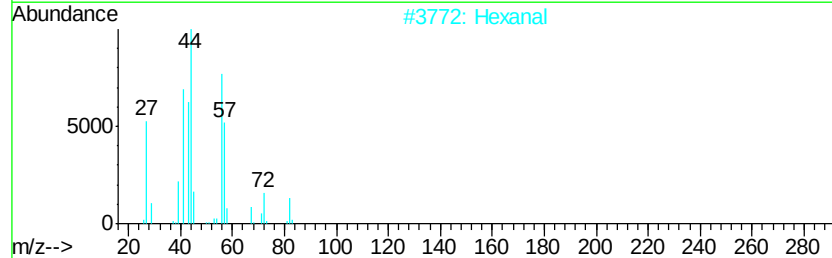
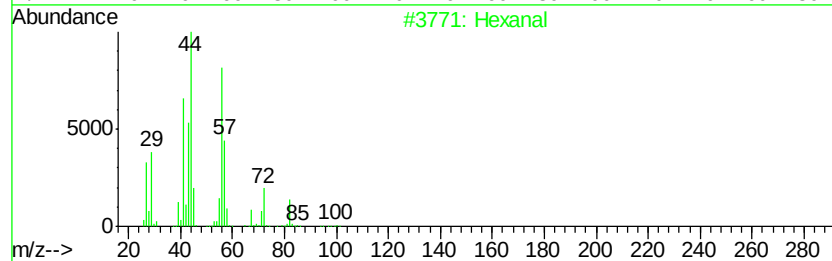
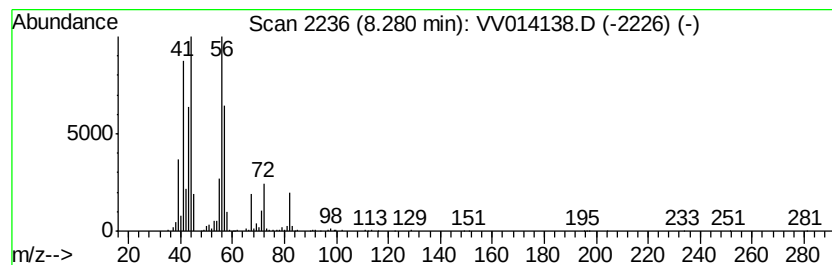
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 Hexanal Concentration Rank 1

| R.T. | EstConc   | Area   | Relative to ISTD | R.T. |
|------|-----------|--------|------------------|------|
| 8.28 | 1.99 ug/L | 421366 | Chlorobenzene-d5 | 8.89 |

| Hit# | of | Tentative ID   | MW  | MolForm | CAS#        | Qual |
|------|----|----------------|-----|---------|-------------|------|
| 1    | 5  | Hexanal        | 100 | C6H12O  | 000066-25-1 | 87   |
| 2    |    | Hexanal        | 100 | C6H12O  | 000066-25-1 | 78   |
| 3    |    | Hexanal        | 100 | C6H12O  | 000066-25-1 | 78   |
| 4    |    | Hexanal        | 100 | C6H12O  | 000066-25-1 | 72   |
| 5    |    | Glutaraldehyde | 100 | C5H8O2  | 000111-30-8 | 32   |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |         |      |
|------------------|------|---------|-------|----------|-----------------------|------|---------|------|
|                  |      |         |       |          | #                     | RT   | Resp    | Conc |
| Hexanal          | 8.28 | 2.0     | ug/L  | 421366   | 2                     | 8.89 | 1060290 | 5.0  |