

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070219\  
 Data File : VV011809.D  
 Acq On : 02 Jul 2019 17:56  
 Operator : SY/MD  
 Sample : K3608-10  
 Misc : 25ML/MSVOA V/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAML9

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\SOMVTR070219WMA.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       | 5             | 8           | 21           | rVB2     | 9145           | 12796         | 1.80%           | 0.202%        |
| 2         | 1.226       | 38            | 42          | 47           | rBV2     | 10887          | 8662          | 1.22%           | 0.137%        |
| 3         | 1.319       | 62            | 71          | 84           | rVB      | 103537         | 117680        | 16.58%          | 1.856%        |
| 4         | 1.582       | 146           | 153         | 162          | rBV      | 84999          | 96543         | 13.61%          | 1.523%        |
| 5         | 2.129       | 313           | 323         | 334          | rBV      | 183094         | 258747        | 36.46%          | 4.081%        |
| 6         | 2.319       | 373           | 382         | 396          | rVB      | 71703          | 105715        | 14.90%          | 1.667%        |
| 7         | 3.962       | 879           | 893         | 928          | rBV      | 79635          | 270117        | 38.07%          | 4.260%        |
| 8         | 4.402       | 1012          | 1030        | 1051         | rBV      | 123798         | 297885        | 41.98%          | 4.698%        |
| 9         | 5.097       | 1227          | 1246        | 1269         | rBV2     | 299725         | 709608        | 100.00%         | 11.191%       |
| 10        | 5.663       | 1405          | 1422        | 1443         | rBV      | 228580         | 455441        | 64.18%          | 7.183%        |
| 11        | 5.955       | 1502          | 1513        | 1531         | rBV9     | 8901           | 20706         | 2.92%           | 0.327%        |
| 12        | 6.116       | 1549          | 1563        | 1582         | rBV      | 165409         | 340432        | 47.97%          | 5.369%        |
| 13        | 7.029       | 1835          | 1847        | 1868         | rBV      | 76383          | 138903        | 19.57%          | 2.191%        |
| 14        | 7.360       | 1936          | 1950        | 1962         | rBV      | 335360         | 580496        | 81.81%          | 9.155%        |
| 15        | 7.431       | 1962          | 1972        | 1988         | rVB      | 124683         | 219037        | 30.87%          | 3.454%        |
| 16        | 7.663       | 2034          | 2044        | 2061         | rBV      | 44042          | 76740         | 10.81%          | 1.210%        |
| 17        | 7.984       | 2132          | 2144        | 2149         | rBV3     | 6920           | 13545         | 1.91%           | 0.214%        |
| 18        | 8.019       | 2151          | 2155        | 2166         | rVB5     | 7646           | 10819         | 1.52%           | 0.171%        |
| 19        | 8.135       | 2176          | 2191        | 2225         | rBV      | 363250         | 679206        | 95.72%          | 10.712%       |
| 20        | 8.286       | 2229          | 2238        | 2256         | rVB2     | 39386          | 69735         | 9.83%           | 1.100%        |
| 21        | 8.894       | 2415          | 2427        | 2446         | rBV      | 334928         | 555843        | 78.33%          | 8.766%        |
| 22        | 10.261      | 2838          | 2852        | 2869         | rBV      | 112222         | 177493        | 25.01%          | 2.799%        |
| 23        | 10.424      | 2892          | 2903        | 2917         | rVB3     | 13257          | 24275         | 3.42%           | 0.383%        |
| 24        | 11.196      | 3133          | 3143        | 3148         | rBV6     | 5532           | 8532          | 1.20%           | 0.135%        |
| 25        | 11.293      | 3161          | 3173        | 3194         | rBV      | 316930         | 500573        | 70.54%          | 7.894%        |
| 26        | 11.669      | 3278          | 3290        | 3311         | rBV      | 307428         | 490332        | 69.10%          | 7.733%        |
| 27        | 12.296      | 3476          | 3485        | 3496         | rVB2     | 7174           | 11647         | 1.64%           | 0.184%        |
| 28        | 12.392      | 3505          | 3515        | 3531         | rBV      | 53977          | 89280         | 12.58%          | 1.408%        |

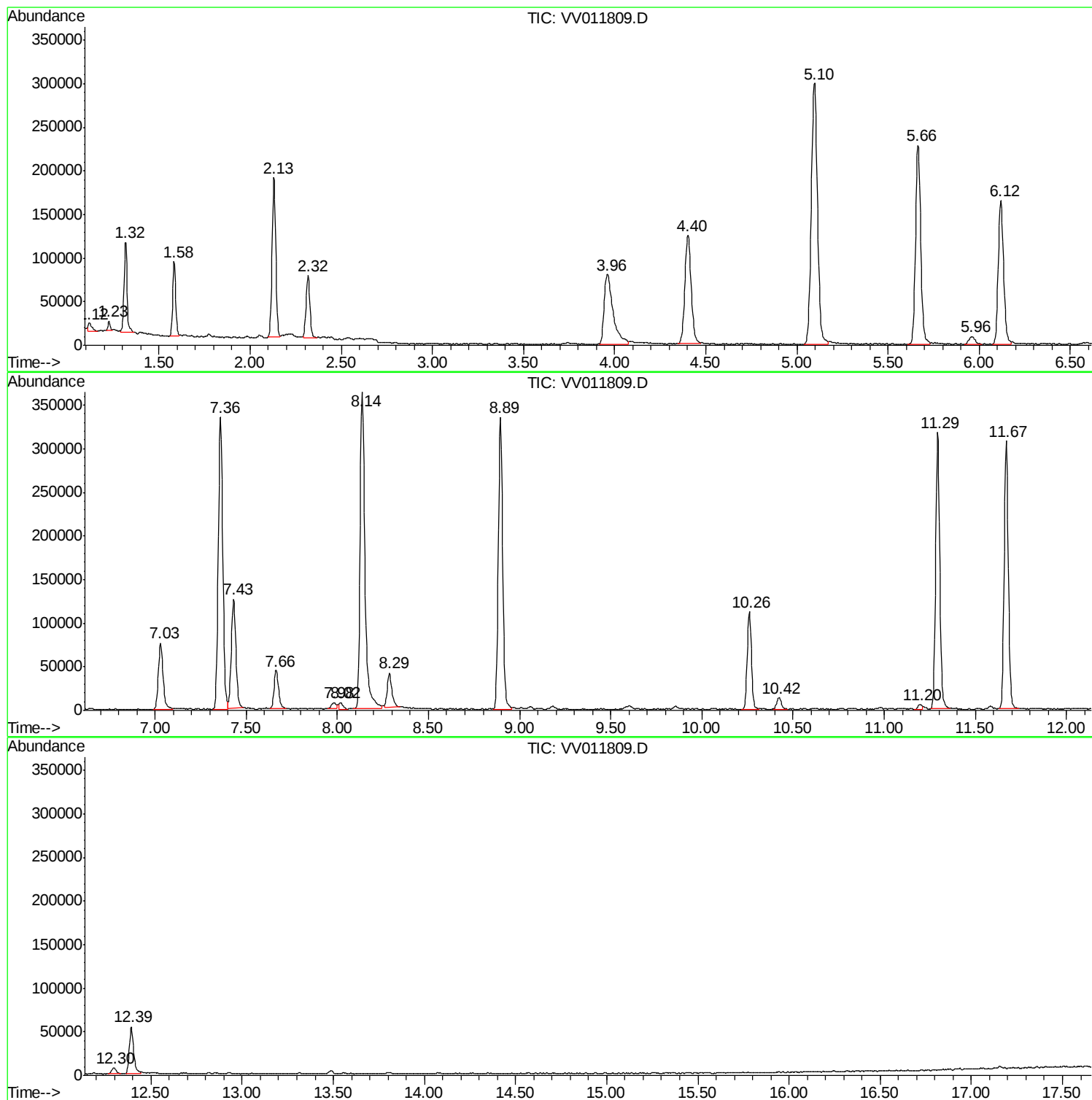
Sum of corrected areas: 6340788

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Instrument :  
MSVOA\_V  
ClientSampleId :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR070219WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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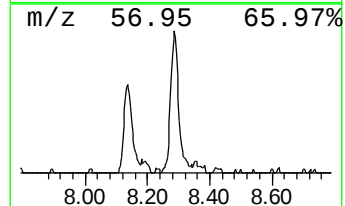
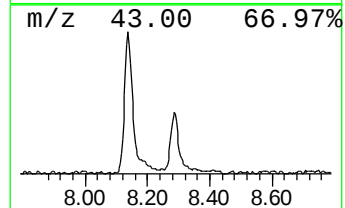
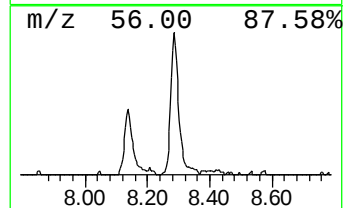
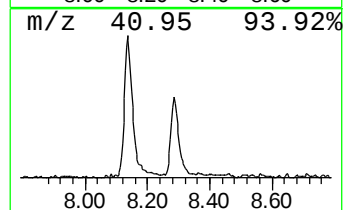
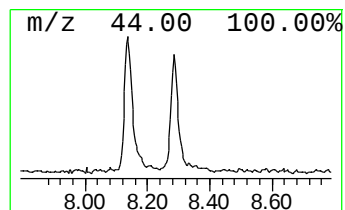
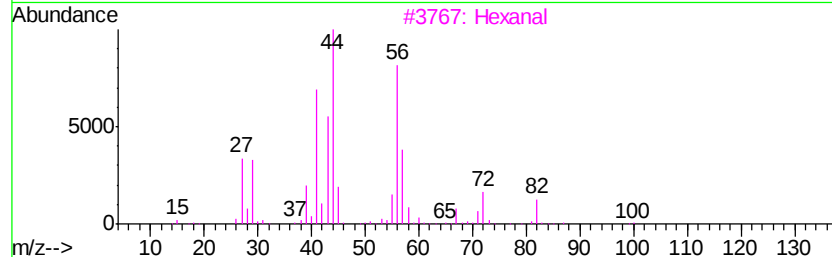
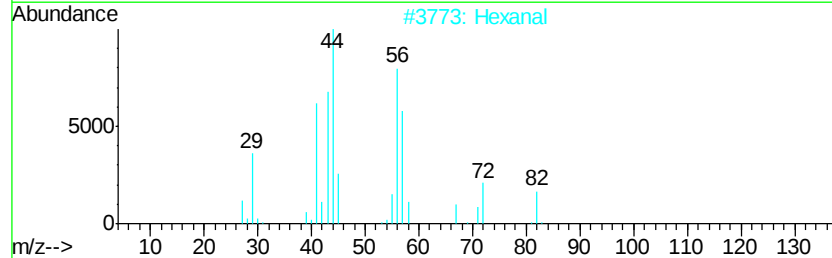
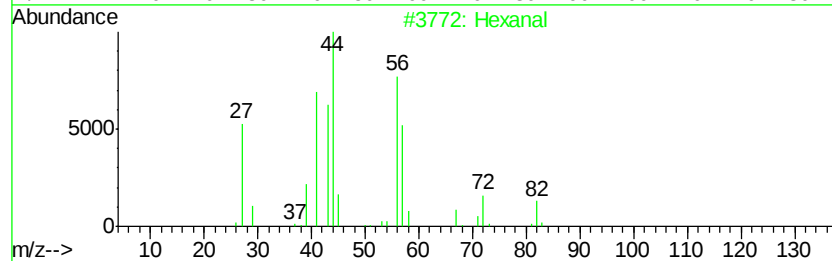
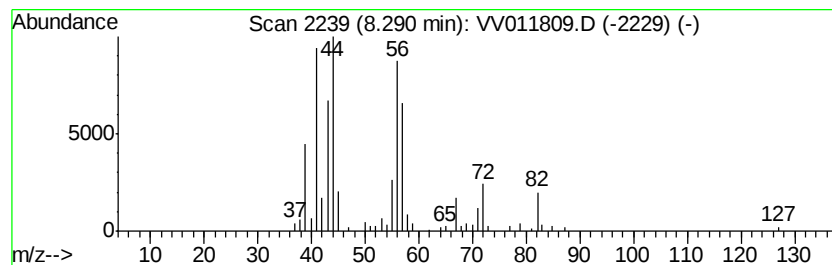
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR070219WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 2 Hexanal Concentration Rank 3

| R.T. | EstConc   | Area  | Relative to ISTD | R.T. |
|------|-----------|-------|------------------|------|
| 8.29 | 0.63 ug/L | 69735 | Chlorobenzene-d5 | 8.89 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexanal                             | 100 | C6H12O  | 000066-25-1 | 80   |
| 2    |    | Hexanal                             | 100 | C6H12O  | 000066-25-1 | 80   |
| 3    |    | Hexanal                             | 100 | C6H12O  | 000066-25-1 | 64   |
| 4    |    | Hexanal                             | 100 | C6H12O  | 000066-25-1 | 59   |
| 5    |    | 2,2-Dimethyl-3-hydroxypropionald... | 102 | C5H10O2 | 000597-31-9 | 38   |



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Quant Title : TRACE VOA SOM01.0

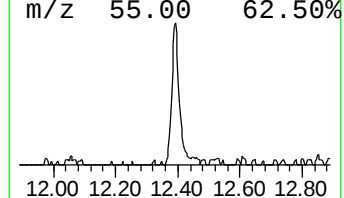
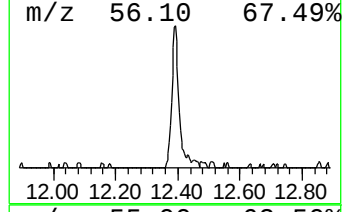
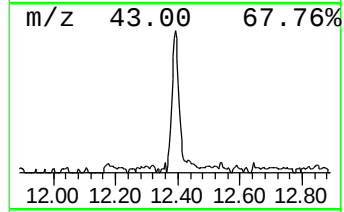
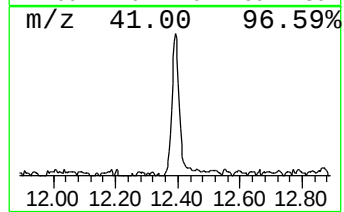
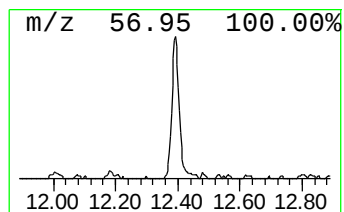
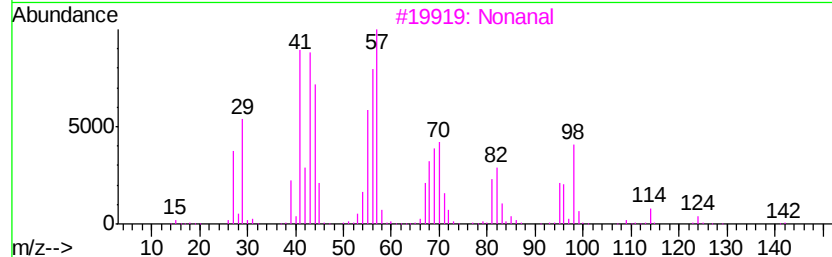
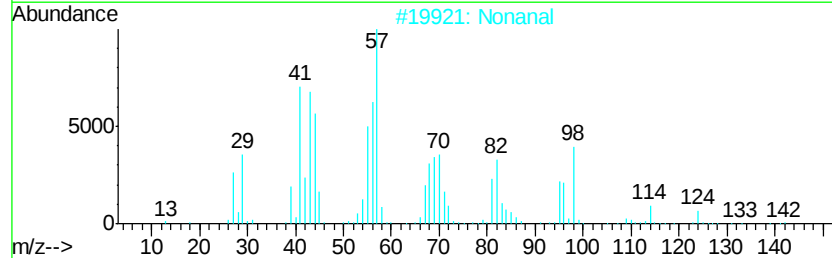
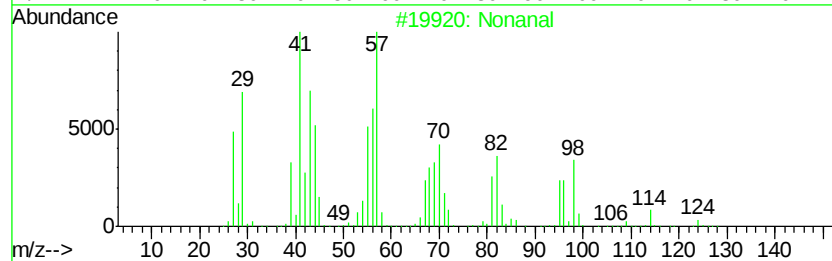
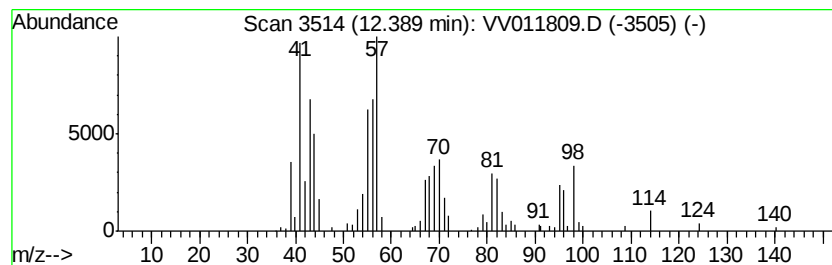
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Peak Number 3 Nonanal Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 12.39 | 0.89 ug/L | 89280 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Nonanal      | 142 | C9H18O  | 000124-19-6 | 91   |
| 2    |    | Nonanal      | 142 | C9H18O  | 000124-19-6 | 91   |
| 3    |    | Nonanal      | 142 | C9H18O  | 000124-19-6 | 86   |
| 4    |    | Cycloheptane | 98  | C7H14   | 000291-64-5 | 30   |
| 5    |    | 2-Nonen-1-ol | 142 | C9H18O  | 022104-79-6 | 27   |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| Hexanal          | 8.29  | 0.6     | ug/L  | 69735    | 2                     | 8.89  | 555843 | 5.0  |
| Nonanal          | 12.39 | 0.9     | ug/L  | 89280    | 3                     | 11.29 | 500573 | 5.0  |