

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072319\  
 Data File : VV011963.D  
 Acq On : 23 Jul 2019 14:27  
 Operator : SY/MD  
 Sample : K3823-17  
 Misc : 25ML/MSVOA V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A52W1

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\SOMVTR072219WMA.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     | 17399          | 18661         | 3.73%           | 0.392%        |
| 2         | 1.229       | 39            | 43          | 48           | rVB2     | 7077           | 7080          | 1.42%           | 0.149%        |
| 3         | 1.322       | 63            | 72          | 88           | rVB      | 62574          | 67626         | 13.52%          | 1.422%        |
| 4         | 1.585       | 147           | 154         | 165          | rBV      | 45434          | 51674         | 10.33%          | 1.087%        |
| 5         | 2.132       | 311           | 324         | 333          | rBV      | 104123         | 149526        | 29.89%          | 3.144%        |
| 6         | 2.187       | 333           | 341         | 358          | rVB      | 77209          | 116068        | 23.20%          | 2.441%        |
| 7         | 3.933       | 870           | 884         | 903          | rBV      | 60738          | 158493        | 31.68%          | 3.333%        |
| 8         | 4.023       | 903           | 912         | 936          | rVB      | 20402          | 55138         | 11.02%          | 1.159%        |
| 9         | 4.399       | 1010          | 1029        | 1057         | rBV2     | 113284         | 297495        | 59.47%          | 6.255%        |
| 10        | 5.097       | 1227          | 1246        | 1267         | rBV2     | 208625         | 500266        | 100.00%         | 10.519%       |
| 11        | 5.662       | 1408          | 1422        | 1439         | rBV      | 172522         | 335616        | 67.09%          | 7.057%        |
| 12        | 5.945       | 1502          | 1510        | 1524         | rVB2     | 3197           | 5737          | 1.15%           | 0.121%        |
| 13        | 6.116       | 1550          | 1563        | 1582         | rBV      | 116047         | 230057        | 45.99%          | 4.837%        |
| 14        | 6.334       | 1623          | 1631        | 1644         | rBV5     | 4912           | 9923          | 1.98%           | 0.209%        |
| 15        | 7.029       | 1835          | 1847        | 1866         | rBV      | 57881          | 102025        | 20.39%          | 2.145%        |
| 16        | 7.277       | 1914          | 1924        | 1937         | rBV2     | 12475          | 22018         | 4.40%           | 0.463%        |
| 17        | 7.360       | 1937          | 1950        | 1967         | rBV      | 257620         | 440168        | 87.99%          | 9.255%        |
| 18        | 7.662       | 2034          | 2044        | 2061         | rBV2     | 34923          | 59486         | 11.89%          | 1.251%        |
| 19        | 7.981       | 2130          | 2143        | 2155         | rBV5     | 7677           | 15395         | 3.08%           | 0.324%        |
| 20        | 8.132       | 2175          | 2190        | 2222         | rBV      | 223869         | 412722        | 82.50%          | 8.678%        |
| 21        | 8.283       | 2228          | 2237        | 2256         | rVB3     | 24067          | 41669         | 8.33%           | 0.876%        |
| 22        | 8.894       | 2415          | 2427        | 2450         | rBV      | 253084         | 412574        | 82.47%          | 8.675%        |
| 23        | 9.058       | 2468          | 2478        | 2486         | rVB3     | 3241           | 5268          | 1.05%           | 0.111%        |
| 24        | 9.183       | 2505          | 2517        | 2527         | rBV2     | 4843           | 7995          | 1.60%           | 0.168%        |
| 25        | 9.855       | 2710          | 2726        | 2737         | rBV4     | 3500           | 5613          | 1.12%           | 0.118%        |
| 26        | 10.061      | 2780          | 2790        | 2805         | rBV6     | 4694           | 8976          | 1.79%           | 0.189%        |
| 27        | 10.260      | 2841          | 2852        | 2866         | rVB      | 75564          | 117539        | 23.50%          | 2.471%        |
| 28        | 10.424      | 2890          | 2903        | 2915         | rVB2     | 8530           | 14422         | 2.88%           | 0.303%        |
| 29        | 10.964      | 3062          | 3071        | 3080         | rBV6     | 8666           | 15507         | 3.10%           | 0.326%        |
| 30        | 11.292      | 3161          | 3173        | 3194         | rBV      | 260526         | 422699        | 84.49%          | 8.888%        |
| 31        | 11.582      | 3250          | 3263        | 3279         | rBV2     | 23399          | 41348         | 8.27%           | 0.869%        |
| 32        | 11.672      | 3279          | 3291        | 3309         | rVB      | 249373         | 408176        | 81.59%          | 8.583%        |
| 33        | 12.061      | 3403          | 3412        | 3421         | rBV5     | 4115           | 6115          | 1.22%           | 0.129%        |
| 34        | 12.392      | 3508          | 3515        | 3525         | rVV4     | 15534          | 25602         | 5.12%           | 0.538%        |

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Instrument :  
MSVOA\_V  
ClientSampleId :  
A52W1

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\_V\METHOD\SOMVTR072219WMA.M  
Title : TRACE VOA SOM01.0

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 35 | 12.450 | 3525 | 3533 | 3544 | rVV6 | 15510 | 29407 | 5.88% | 0.618% |
| 36 | 12.511 | 3544 | 3552 | 3564 | rVB  | 18573 | 28895 | 5.78% | 0.608% |
| 37 | 12.768 | 3623 | 3632 | 3640 | rBV5 | 5913  | 11275 | 2.25% | 0.237% |
| 38 | 12.929 | 3667 | 3682 | 3698 | rBV3 | 27872 | 43653 | 8.73% | 0.918% |
| 39 | 13.312 | 3794 | 3801 | 3808 | rBV5 | 3807  | 5455  | 1.09% | 0.115% |
| 40 | 13.553 | 3861 | 3876 | 3890 | rBV  | 30556 | 48468 | 9.69% | 1.019% |

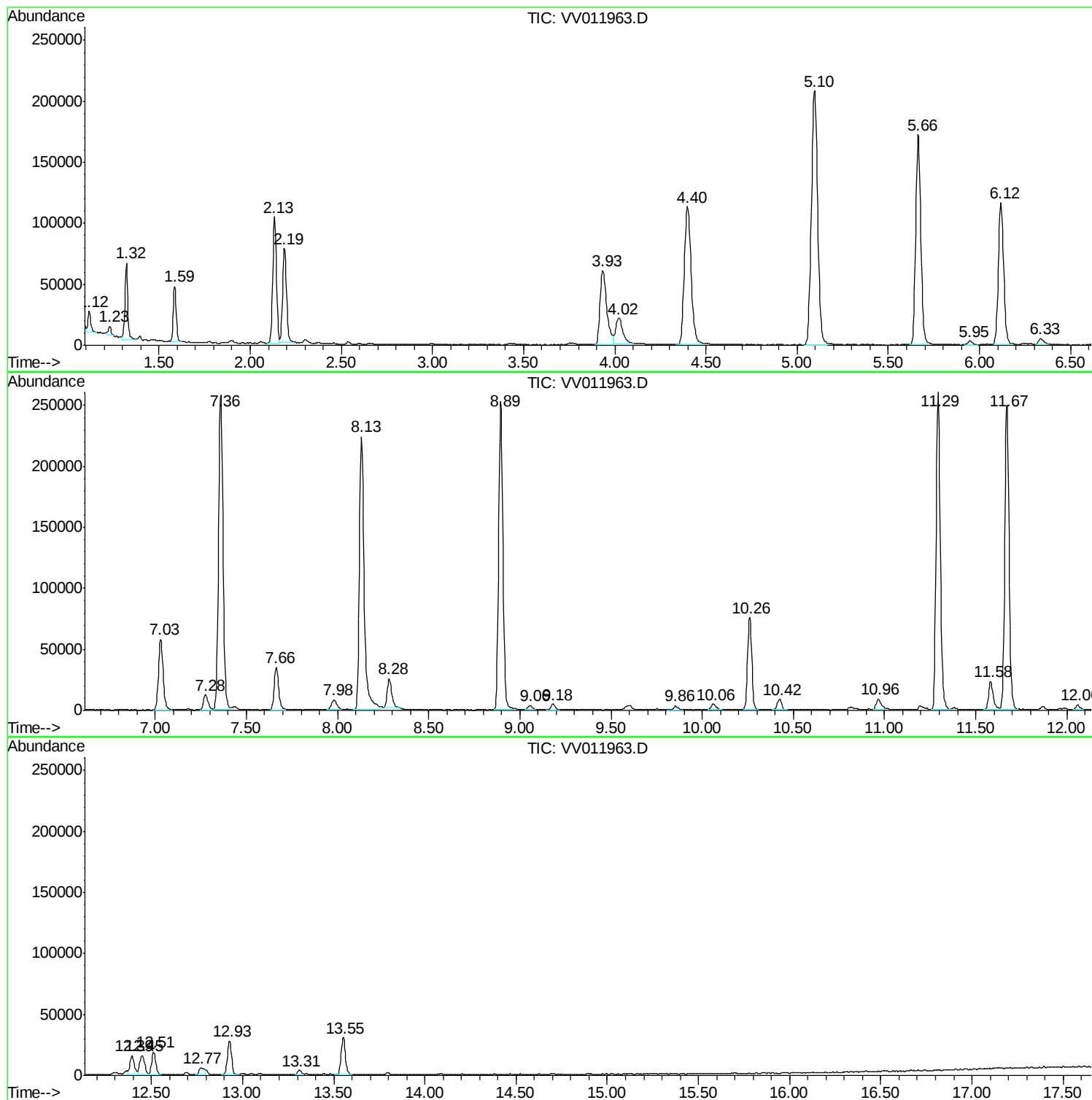
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV072319\  
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Instrument :  
MSVOA\_V  
ClientSampled :  
A52W1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR072219WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
A52W1

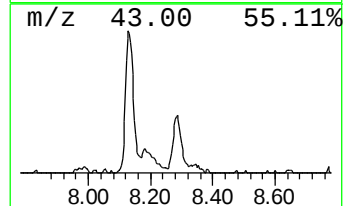
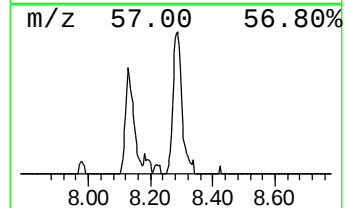
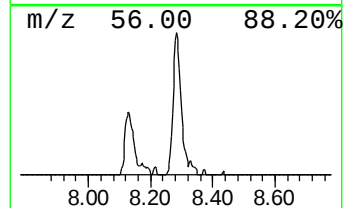
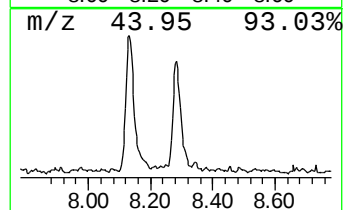
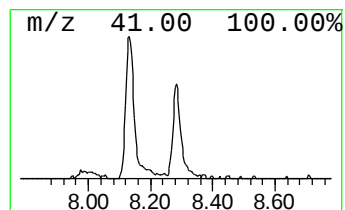
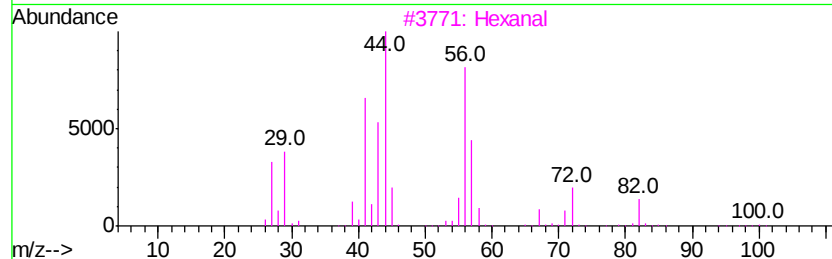
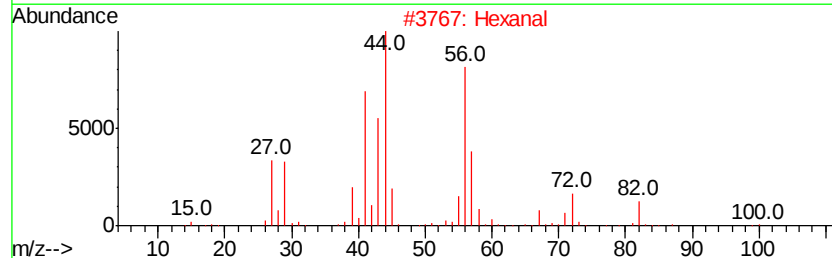
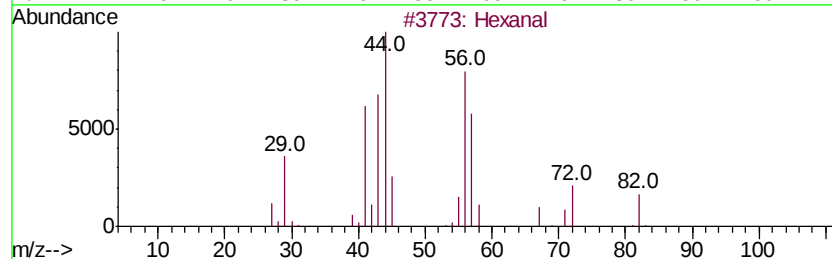
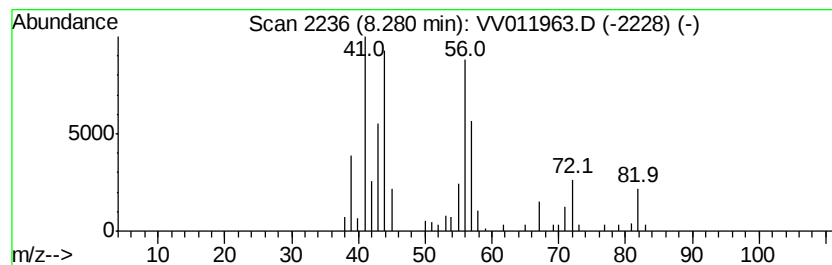
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR072219WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 2 Hexanal Concentration Rank 4

| R.T. | EstConc   | Area  | Relative to ISTD | R.T. |
|------|-----------|-------|------------------|------|
| 8.28 | 0.50 ug/L | 41669 | Chlorobenzene-d5 | 8.89 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexanal                             | 100 | C6H12O  | 000066-25-1 | 64   |
| 2    |    | Hexanal                             | 100 | C6H12O  | 000066-25-1 | 64   |
| 3    |    | Hexanal                             | 100 | C6H12O  | 000066-25-1 | 59   |
| 4    |    | Hexanal                             | 100 | C6H12O  | 000066-25-1 | 50   |
| 5    |    | 2,2-Dimethyl-3-hydroxypropionald... | 102 | C5H10O2 | 000597-31-9 | 37   |



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Instrument :  
MSVOA\_V  
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A52W1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR072219WMA.M  
Quant Title : TRACE VOA SOM01.0

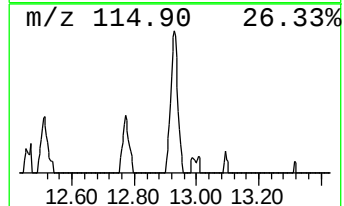
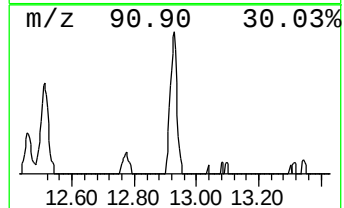
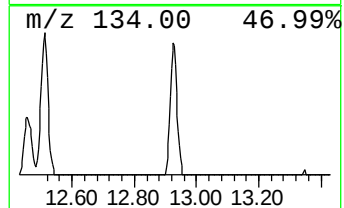
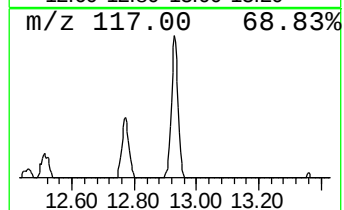
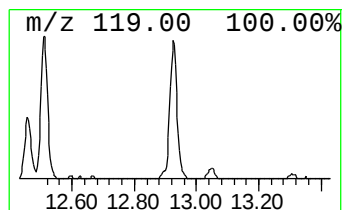
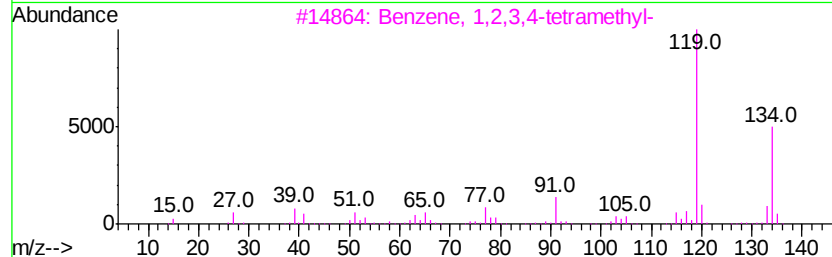
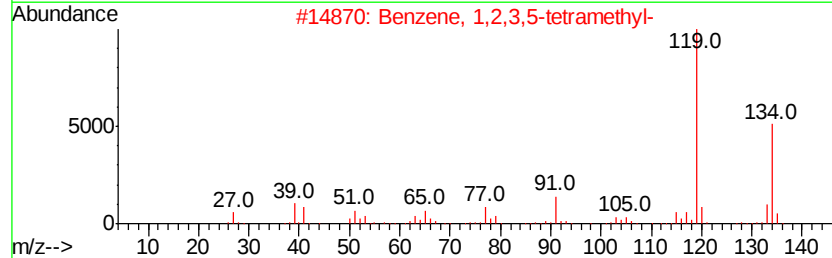
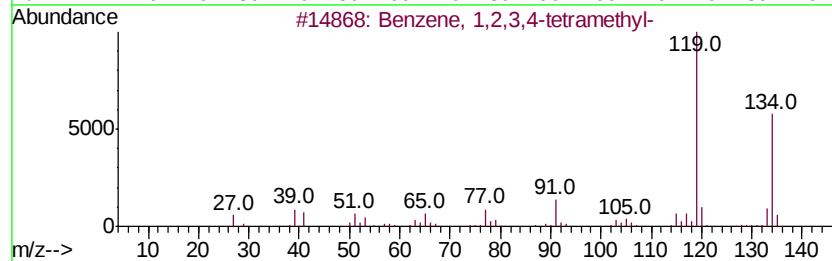
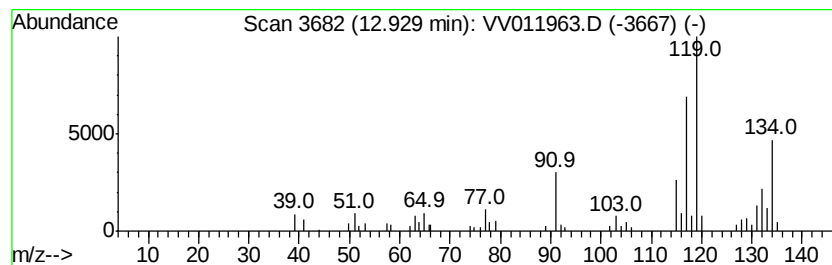
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 12.93 | 0.52 ug/L | 43653 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 60   |
| 2    |    | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 60   |
| 3    |    | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 60   |
| 4    |    | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 60   |
| 5    |    | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14  | 002870-04-4 | 55   |



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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 |
| Hexanal              | 8.28  | 0.5     | ug/L  | 41669    | 2                     | 8.89  | 412574 | 5.0  |
| Benzene, 1,2,3,4-... | 12.93 | 0.5     | ug/L  | 43653    | 3                     | 11.29 | 422699 | 5.0  |