

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071519\  
 Data File : VV011886.D  
 Acq On : 15 Jul 2019 14:30  
 Operator : SY/MD  
 Sample : K3772-20  
 Misc : 25ML/MSVOA V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A52X2

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\SOMVTR071219WMA.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       | 3             | 8           | 16           | rVB2     | 20627          | 21310         | 3.31%           | 0.324%        |
| 2         | 1.319       | 62            | 71          | 90           | rVB      | 92204          | 100532        | 15.61%          | 1.527%        |
| 3         | 1.582       | 145           | 153         | 168          | rVB      | 77920          | 93030         | 14.44%          | 1.413%        |
| 4         | 2.132       | 311           | 324         | 333          | rBV      | 128375         | 176203        | 27.36%          | 2.677%        |
| 5         | 2.193       | 333           | 343         | 361          | rVB      | 119110         | 191803        | 29.78%          | 2.913%        |
| 6         | 2.309       | 375           | 379         | 393          | rVB3     | 5215           | 9046          | 1.40%           | 0.137%        |
| 7         | 2.534       | 441           | 449         | 458          | rBV8     | 5030           | 9039          | 1.40%           | 0.137%        |
| 8         | 3.942       | 870           | 887         | 903          | rBV      | 85346          | 230261        | 35.75%          | 3.498%        |
| 9         | 4.029       | 904           | 914         | 946          | rVB2     | 49983          | 140527        | 21.82%          | 2.135%        |
| 10        | 4.399       | 1011          | 1029        | 1057         | rBV2     | 197249         | 505451        | 78.47%          | 7.678%        |
| 11        | 5.097       | 1227          | 1246        | 1265         | rBV2     | 266596         | 644109        | 100.00%         | 9.784%        |
| 12        | 5.666       | 1407          | 1423        | 1442         | rBV      | 220070         | 437018        | 67.85%          | 6.638%        |
| 13        | 5.949       | 1495          | 1511        | 1526         | rBV2     | 15904          | 33926         | 5.27%           | 0.515%        |
| 14        | 6.119       | 1550          | 1564        | 1585         | rBV      | 150863         | 308004        | 47.82%          | 4.679%        |
| 15        | 6.338       | 1623          | 1632        | 1643         | rBV4     | 6995           | 13578         | 2.11%           | 0.206%        |
| 16        | 7.029       | 1828          | 1847        | 1867         | rBV      | 69482          | 130230        | 20.22%          | 1.978%        |
| 17        | 7.277       | 1913          | 1924        | 1936         | rBV2     | 21407          | 40113         | 6.23%           | 0.609%        |
| 18        | 7.360       | 1937          | 1950        | 1967         | rVV      | 304522         | 528241        | 82.01%          | 8.024%        |
| 19        | 7.666       | 2034          | 2045        | 2062         | rBV      | 41831          | 73070         | 11.34%          | 1.110%        |
| 20        | 7.978       | 2132          | 2142        | 2162         | rBV      | 5144           | 13229         | 2.05%           | 0.201%        |
| 21        | 8.135       | 2179          | 2191        | 2221         | rBV2     | 294588         | 600942        | 93.30%          | 9.128%        |
| 22        | 8.286       | 2229          | 2238        | 2249         | rBV3     | 40258          | 65545         | 10.18%          | 0.996%        |
| 23        | 8.894       | 2414          | 2427        | 2449         | rBV      | 325976         | 544407        | 84.52%          | 8.270%        |
| 24        | 9.055       | 2469          | 2477        | 2487         | rBV3     | 5091           | 8520          | 1.32%           | 0.129%        |
| 25        | 9.180       | 2509          | 2516        | 2524         | rBV8     | 5069           | 7814          | 1.21%           | 0.119%        |
| 26        | 9.855       | 2718          | 2726        | 2736         | rBV10    | 5497           | 9683          | 1.50%           | 0.147%        |
| 27        | 10.061      | 2781          | 2790        | 2803         | rBV6     | 8164           | 15050         | 2.34%           | 0.229%        |
| 28        | 10.260      | 2831          | 2852        | 2863         | rBV2     | 80903          | 134343        | 20.86%          | 2.041%        |
| 29        | 10.421      | 2892          | 2902        | 2909         | rBV4     | 5830           | 9405          | 1.46%           | 0.143%        |
| 30        | 10.965      | 3062          | 3071        | 3092         | rVB4     | 11226          | 23834         | 3.70%           | 0.362%        |
| 31        | 11.199      | 3137          | 3144        | 3161         | rVB4     | 5762           | 11589         | 1.80%           | 0.176%        |
| 32        | 11.293      | 3161          | 3173        | 3192         | rBV      | 321603         | 518609        | 80.52%          | 7.878%        |
| 33        | 11.579      | 3248          | 3262        | 3279         | rBV      | 64433          | 123588        | 19.19%          | 1.877%        |
| 34        | 11.669      | 3279          | 3290        | 3306         | rVB      | 289467         | 478932        | 74.36%          | 7.275%        |

## LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071519\  
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Sample : K3772-20  
Misc : 25ML/MSVOA V/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
A52X2

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\SOMVTR071219WMA.M  
Title : TRACE VOA SOM01.0

|    |        |      |      |      |       |       |       |        |        |
|----|--------|------|------|------|-------|-------|-------|--------|--------|
| 35 | 12.058 | 3397 | 3411 | 3428 | rVB8  | 10422 | 25880 | 4.02%  | 0.393% |
| 36 | 12.360 | 3499 | 3505 | 3508 | rVV3  | 5728  | 7244  | 1.12%  | 0.110% |
| 37 | 12.392 | 3509 | 3515 | 3522 | rVV5  | 15205 | 24814 | 3.85%  | 0.377% |
| 38 | 12.447 | 3524 | 3532 | 3544 | rVV3  | 22338 | 46986 | 7.29%  | 0.714% |
| 39 | 12.511 | 3544 | 3552 | 3563 | rVB   | 29441 | 45447 | 7.06%  | 0.690% |
| 40 | 12.775 | 3622 | 3634 | 3650 | rVB6  | 11578 | 26898 | 4.18%  | 0.409% |
| 41 | 12.926 | 3672 | 3681 | 3693 | rVB3  | 42035 | 67831 | 10.53% | 1.030% |
| 42 | 13.003 | 3697 | 3705 | 3713 | rVB10 | 5551  | 7888  | 1.22%  | 0.120% |
| 43 | 13.321 | 3792 | 3804 | 3807 | rBV10 | 5089  | 8563  | 1.33%  | 0.130% |
| 44 | 13.550 | 3865 | 3875 | 3889 | rBV   | 43134 | 70747 | 10.98% | 1.075% |

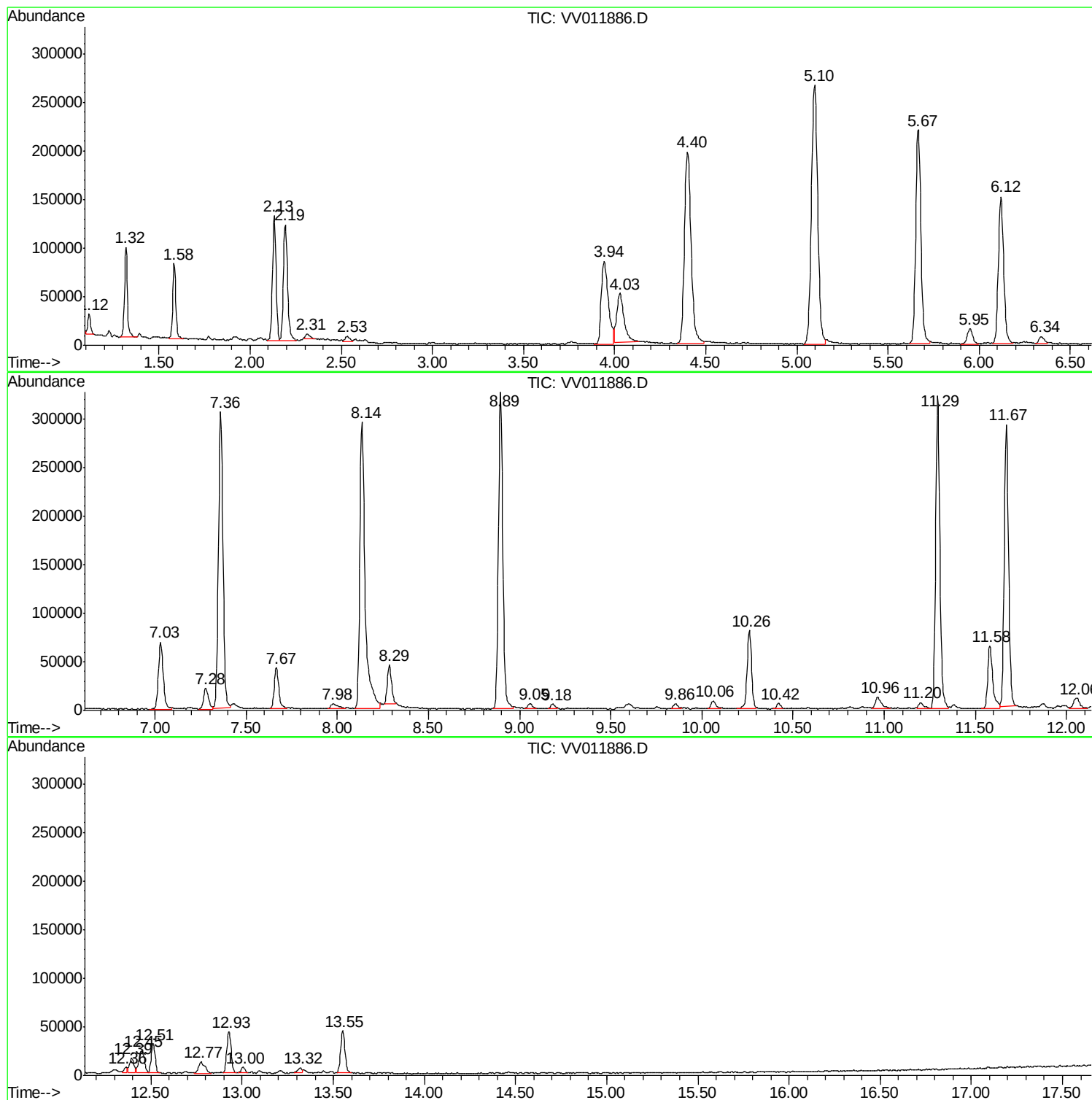
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV071519\  
Data File : VV011886.D  
Acq On : 15 Jul 2019 14:30  
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Sample : K3772-20  
Misc : 25ML/MSVOA V/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
A52X2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR071219WMA.M  
Quant Title : TRACE VOA SOM01.0

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV071519\  
Data File : VV011886.D  
Acq On : 15 Jul 2019 14:30  
Operator : SY/MD  
Sample : K3772-20  
Misc : 25ML/MSVOA V/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
A52X2

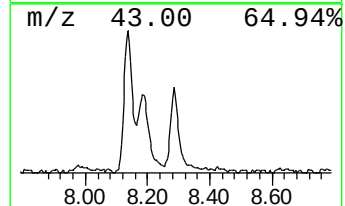
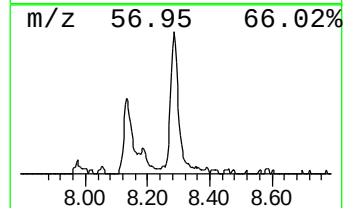
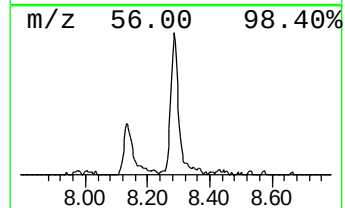
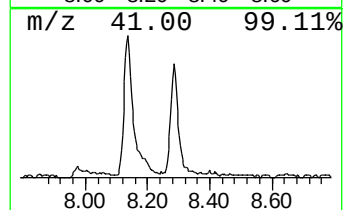
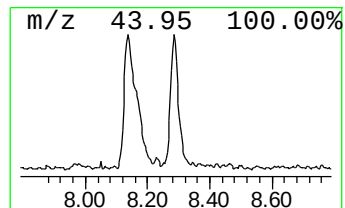
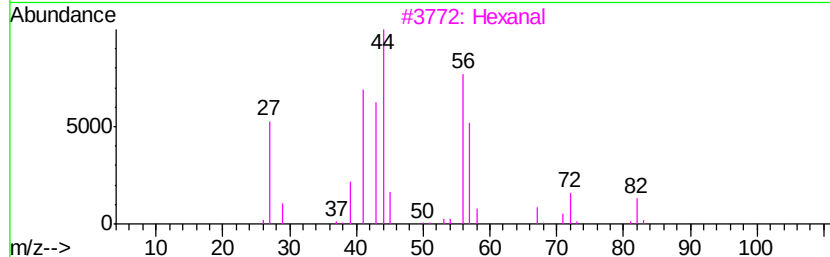
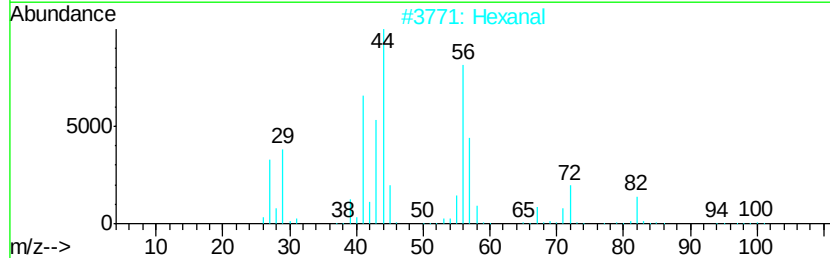
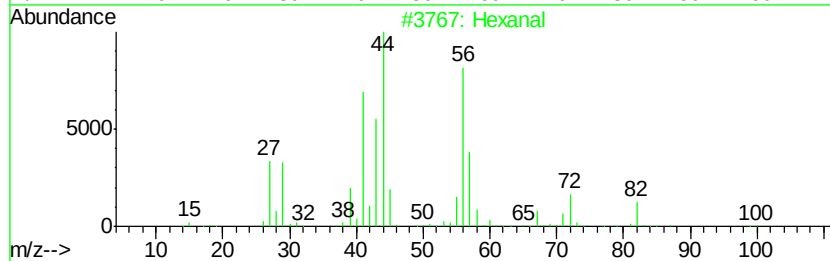
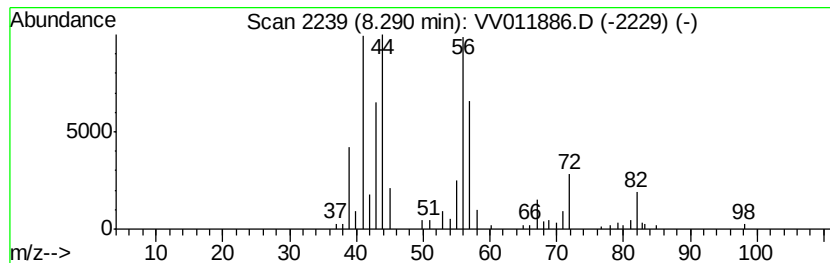
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Quant Title : TRACE VOA SOM01.0

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

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Peak Number 2 Hexanal Concentration Rank 5

| R.T. | EstConc   | Area  | Relative to ISTD | R.T. |
|------|-----------|-------|------------------|------|
| 8.29 | 0.60 ug/L | 65545 | Chlorobenzene-d5 | 8.90 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Hexanal      | 100 | C6H12O  | 000066-25-1 | 80   |
| 2    |    | Hexanal      | 100 | C6H12O  | 000066-25-1 | 72   |
| 3    |    | Hexanal      | 100 | C6H12O  | 000066-25-1 | 64   |
| 4    |    | Hexanal      | 100 | C6H12O  | 000066-25-1 | 50   |
| 5    |    | Butanal      | 72  | C4H8O   | 000123-72-8 | 27   |



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Sample : K3772-20  
Misc : 25ML/MSVOA V/WATER  
ALS Vial : 6 Sample Multiplier: 1

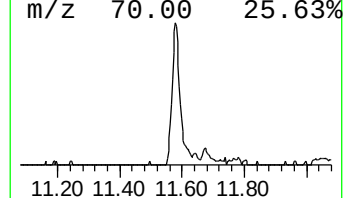
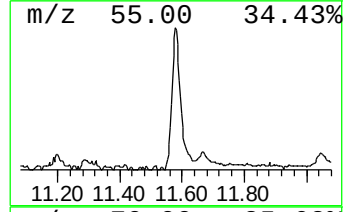
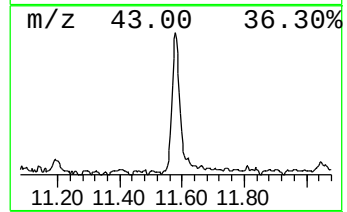
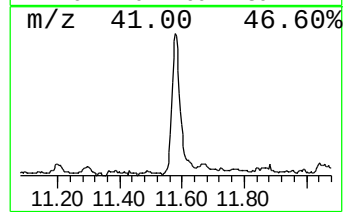
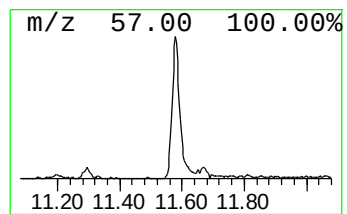
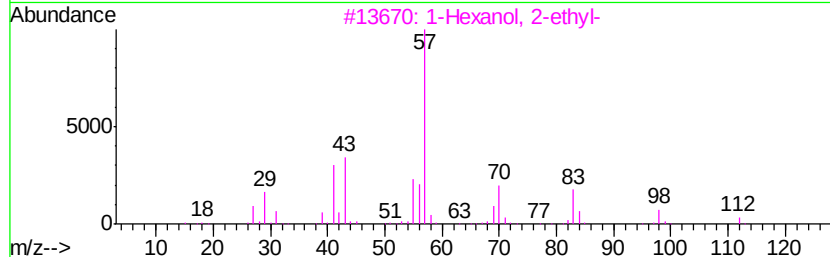
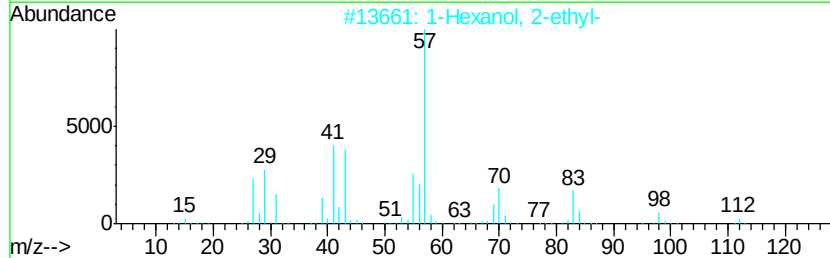
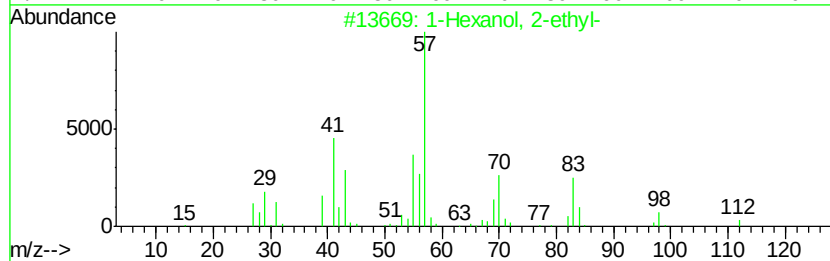
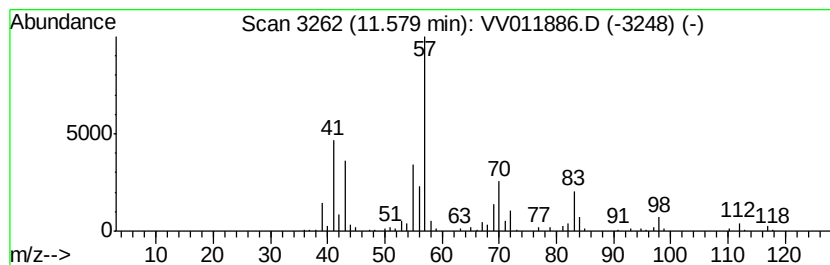
Instrument :  
MSVOA\_V  
ClientSampleId :  
A52X2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR071219WMA.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 1-Hexanol, 2-ethyl- Concentration Rank 2

| R.T.      | EstConc                             | Area   | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|--------|------------------------|-------------|------|
| 11.58     | 1.19 ug/L                           | 123588 | 1,4-Dichlorobenzene-d4 | 11.29       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm                | CAS#        | Qual |
| 1         | 1-Hexanol, 2-ethyl-                 | 130    | C8H18O                 | 000104-76-7 | 86   |
| 2         | 1-Hexanol, 2-ethyl-                 | 130    | C8H18O                 | 000104-76-7 | 86   |
| 3         | 1-Hexanol, 2-ethyl-                 | 130    | C8H18O                 | 000104-76-7 | 78   |
| 4         | 1-Hexanol, 2-ethyl-                 | 130    | C8H18O                 | 000104-76-7 | 72   |
| 5         | Oxirane, [[(2-ethylhexyl)oxy]met... | 186    | C11H22O2               | 002461-15-6 | 56   |



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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampled :  
A52X2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR071219WMA.M  
Quant Title : TRACE VOA SOM01.0

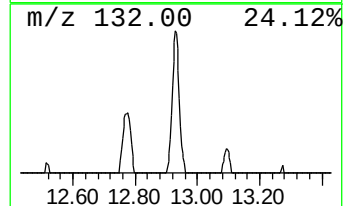
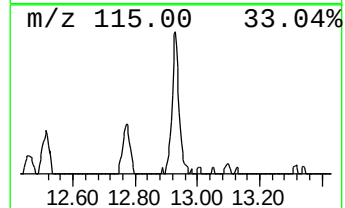
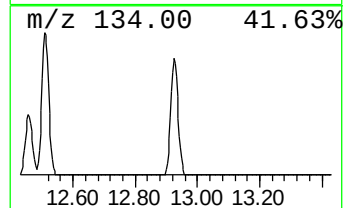
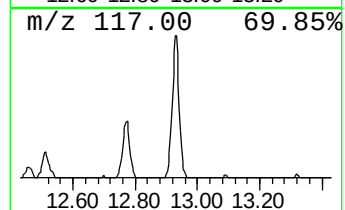
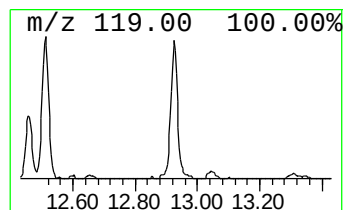
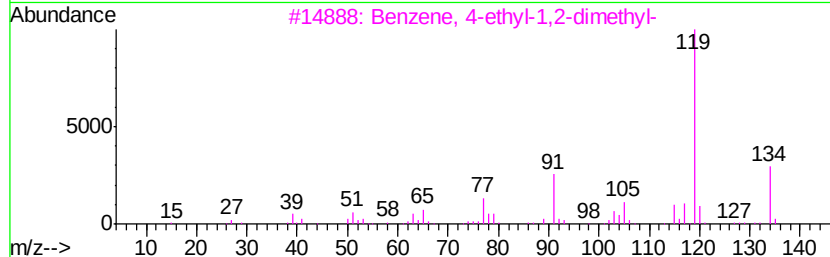
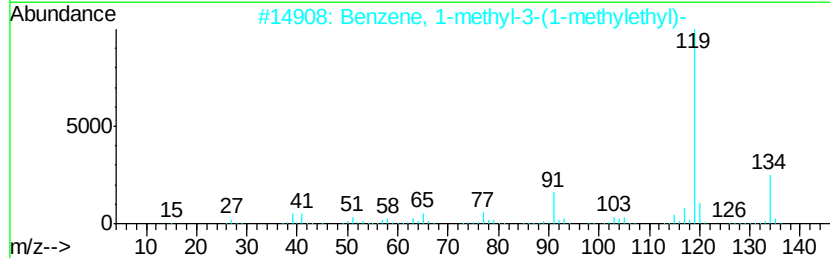
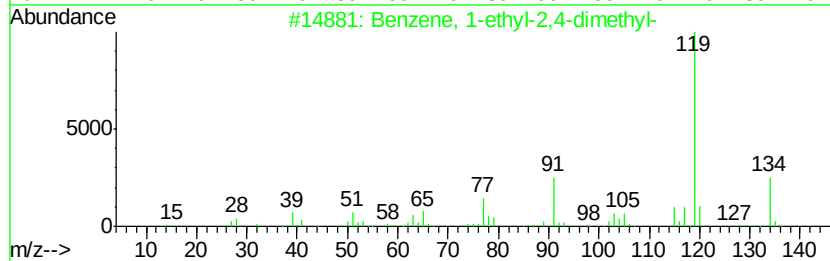
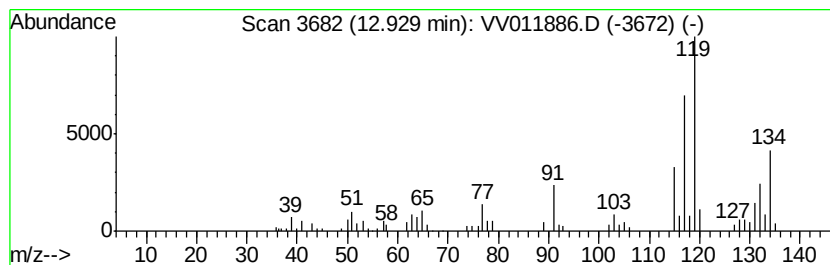
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 12.93 | 0.65 ug/L | 67831 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14  | 000874-41-9 | 60   |
| 2    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 60   |
| 3    |    | Benzene, 4-ethyl-1,2-dimethyl-      | 134 | C10H14  | 000934-80-5 | 60   |
| 4    |    | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 60   |
| 5    |    | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 60   |



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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
A52X2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR071219WMA.M  
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              | 8.29  | 0.6     | ug/L  | 65545    | 2                     | 8.90  | 544407 | 5.0  |
| 1-Hexanol, 2-ethyl-  | 11.58 | 1.2     | ug/L  | 123588   | 3                     | 11.29 | 518609 | 5.0  |
| Benzene, 1-ethyl-... | 12.93 | 0.7     | ug/L  | 67831    | 3                     | 11.29 | 518609 | 5.0  |