

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081519\  
 Data File : VV012257.D  
 Acq On : 15 Aug 2019 19:00  
 Operator : SY/MD  
 Sample : K4337-20  
 Misc : 25mL/MSVOA V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AB8

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\SOMVTR081319WMA.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         | 1.319       | 63            | 71          | 81           | rVB      | 72507          | 81156         | 14.04%          | 1.613%        |
| 2         | 1.582       | 146           | 153         | 167          | rVB      | 43985          | 53780         | 9.30%           | 1.069%        |
| 3         | 2.129       | 312           | 323         | 333          | rBV      | 100049         | 145658        | 25.19%          | 2.895%        |
| 4         | 2.187       | 335           | 341         | 350          | rVB3     | 5833           | 8468          | 1.46%           | 0.168%        |
| 5         | 2.299       | 364           | 376         | 391          | rBV      | 38969          | 66521         | 11.51%          | 1.322%        |
| 6         | 2.650       | 474           | 485         | 498          | rVB6     | 3572           | 8156          | 1.41%           | 0.162%        |
| 7         | 3.939       | 870           | 886         | 926          | rBV5     | 48791          | 170079        | 29.42%          | 3.381%        |
| 8         | 4.399       | 1009          | 1029        | 1054         | rBV2     | 83380          | 206722        | 35.75%          | 4.109%        |
| 9         | 5.093       | 1223          | 1245        | 1271         | rBV3     | 190784         | 466824        | 80.74%          | 9.279%        |
| 10        | 5.663       | 1408          | 1422        | 1439         | rBV      | 174154         | 344424        | 59.57%          | 6.846%        |
| 11        | 5.946       | 1500          | 1510        | 1522         | rBV4     | 4827           | 8223          | 1.42%           | 0.163%        |
| 12        | 6.116       | 1547          | 1563        | 1583         | rBV      | 107522         | 217181        | 37.56%          | 4.317%        |
| 13        | 7.029       | 1832          | 1847        | 1866         | rBV2     | 55472          | 100357        | 17.36%          | 1.995%        |
| 14        | 7.180       | 1884          | 1894        | 1907         | rVB5     | 3708           | 6429          | 1.11%           | 0.128%        |
| 15        | 7.357       | 1935          | 1949        | 1966         | rBV      | 241634         | 416476        | 72.03%          | 8.278%        |
| 16        | 7.663       | 2034          | 2044        | 2057         | rBV2     | 34082          | 57884         | 10.01%          | 1.151%        |
| 17        | 8.132       | 2178          | 2190        | 2224         | rBV4     | 185356         | 399362        | 69.07%          | 7.938%        |
| 18        | 8.894       | 2412          | 2427        | 2444         | rBV      | 262883         | 427841        | 74.00%          | 8.504%        |
| 19        | 10.261      | 2841          | 2852        | 2868         | rBV      | 79071          | 125657        | 21.73%          | 2.498%        |
| 20        | 11.293      | 3161          | 3173        | 3193         | rBV      | 250765         | 408738        | 70.70%          | 8.125%        |
| 21        | 11.572      | 3250          | 3260        | 3271         | rBV2     | 10608          | 17152         | 2.97%           | 0.341%        |
| 22        | 11.669      | 3277          | 3290        | 3311         | rBV      | 236693         | 381226        | 65.94%          | 7.578%        |
| 23        | 13.550      | 3848          | 3875        | 3897         | rBV      | 365535         | 578167        | 100.00%         | 11.492%       |
| 24        | 13.669      | 3903          | 3912        | 3922         | rVB      | 18153          | 28721         | 4.97%           | 0.571%        |
| 25        | 14.682      | 4216          | 4227        | 4244         | rBV      | 52888          | 84892         | 14.68%          | 1.687%        |
| 26        | 14.865      | 4273          | 4284        | 4296         | rBV      | 40057          | 64196         | 11.10%          | 1.276%        |
| 27        | 15.411      | 4447          | 4454        | 4464         | rBV3     | 10736          | 15871         | 2.75%           | 0.315%        |
| 28        | 15.601      | 4501          | 4513        | 4520         | rBV7     | 3646           | 6105          | 1.06%           | 0.121%        |
| 29        | 15.862      | 4586          | 4594        | 4601         | rBV6     | 6758           | 10029         | 1.73%           | 0.199%        |
| 30        | 16.334      | 4730          | 4741        | 4748         | rBV8     | 3668           | 7086          | 1.23%           | 0.141%        |
| 31        | 16.537      | 4792          | 4804        | 4818         | rBV2     | 52227          | 86494         | 14.96%          | 1.719%        |
| 32        | 16.839      | 4889          | 4898        | 4907         | rBV      | 14804          | 22931         | 3.97%           | 0.456%        |
| 33        | 17.447      | 5081          | 5087        | 5096         | rVB5     | 5615           | 8046          | 1.39%           | 0.160%        |

## LSC Area Percent Report

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C0AB8

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\SOMVTR081319WMA.M  
Title : TRACE VOA SOM01.0

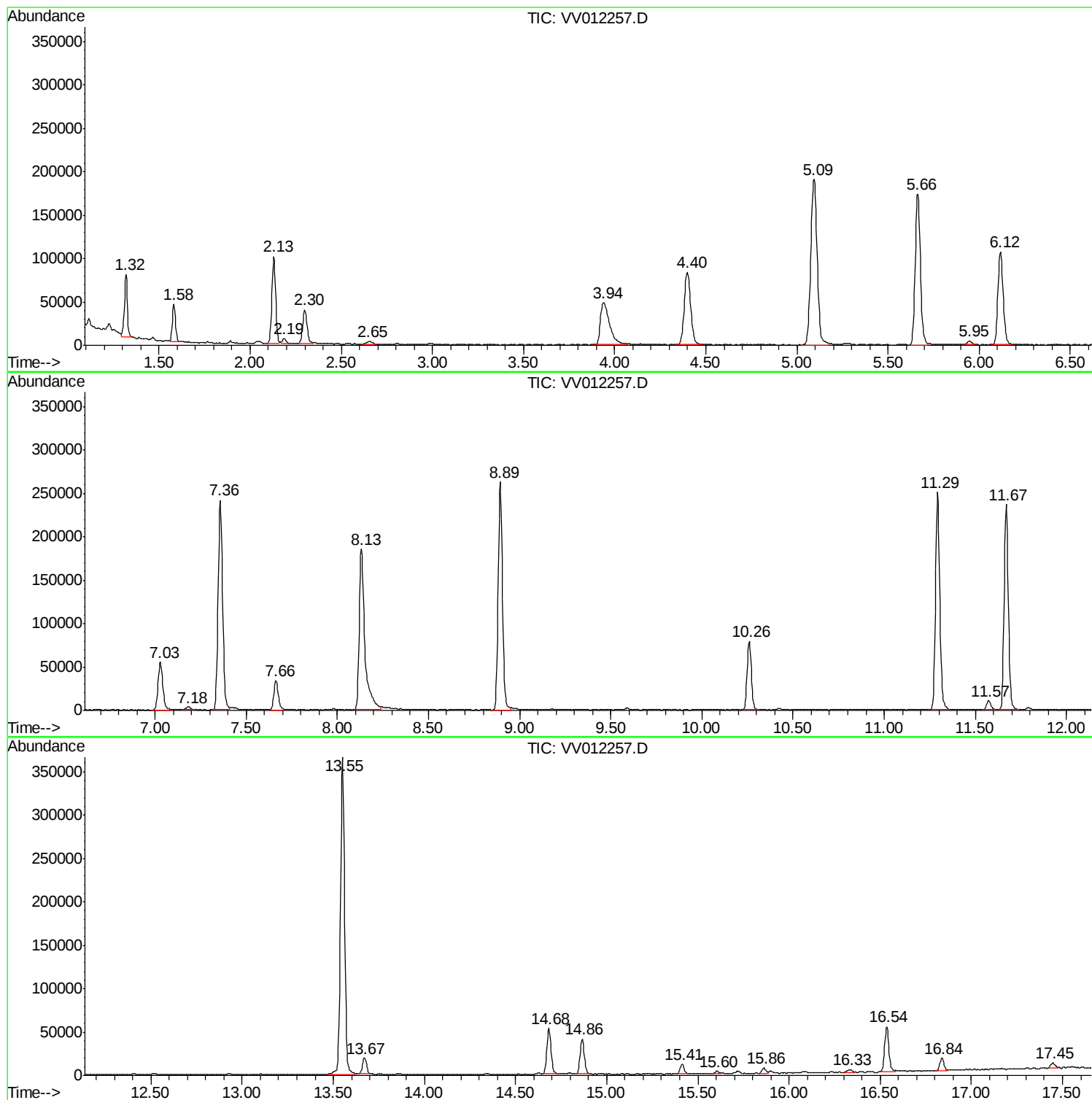
Sum of corrected areas: 5030852

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MSVOA\_V  
ClientSampled :  
C0AB8

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR081319WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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MSVOA\_V  
ClientSampleId :  
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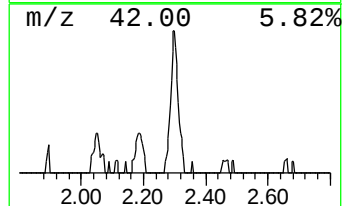
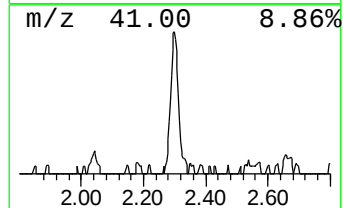
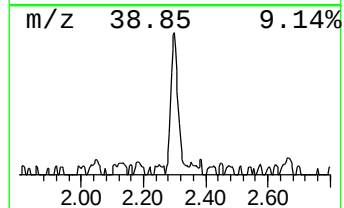
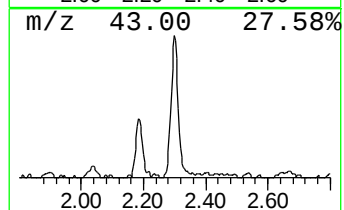
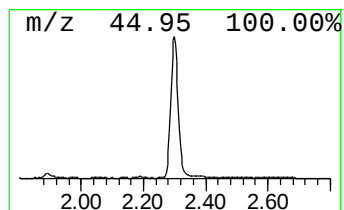
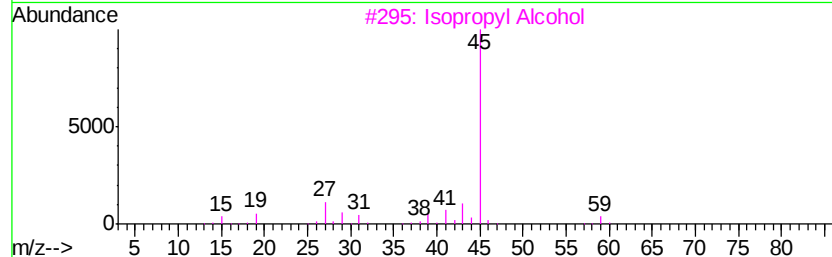
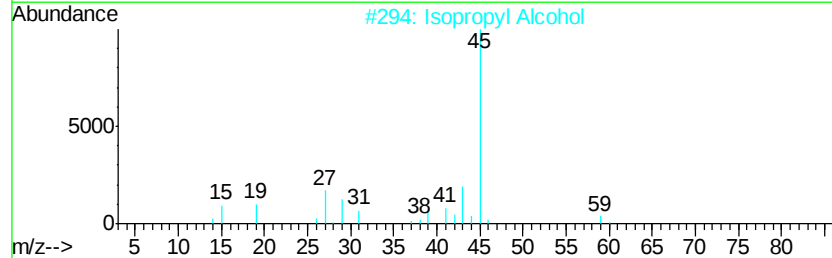
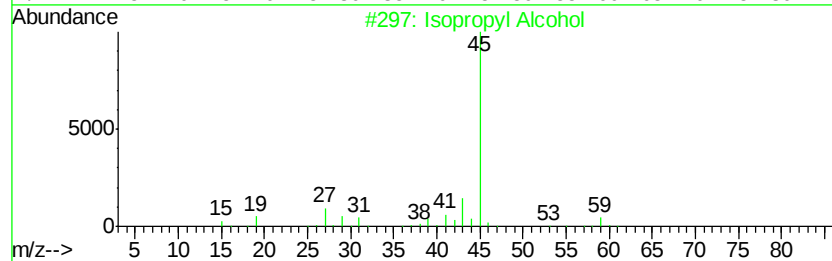
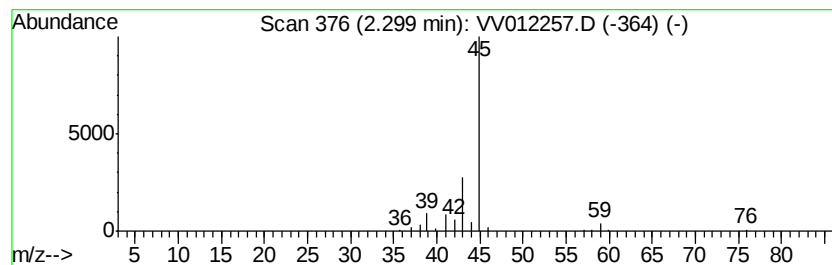
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR081319WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 1 Isopropyl Alcohol Concentration Rank 5

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 2.30 | 0.97 ug/L | 66521 | 1,4-Difluorobenzene | 5.66 |

| Hit# | of | Tentative ID                     | MW | MolForm | CAS#        | Qual |
|------|----|----------------------------------|----|---------|-------------|------|
| 1    | 5  | Isopropyl Alcohol                | 60 | C3H8O   | 000067-63-0 | 80   |
| 2    |    | Isopropyl Alcohol                | 60 | C3H8O   | 000067-63-0 | 78   |
| 3    |    | Isopropyl Alcohol                | 60 | C3H8O   | 000067-63-0 | 64   |
| 4    |    | Isopropyl Alcohol                | 60 | C3H8O   | 000067-63-0 | 56   |
| 5    |    | Formic acid, 1-methylethyl ester | 88 | C4H8O2  | 000625-55-8 | 43   |



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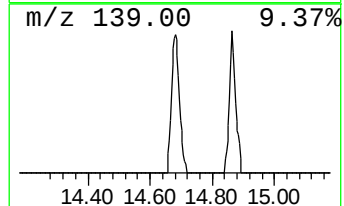
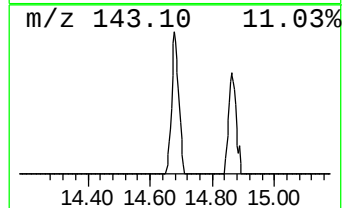
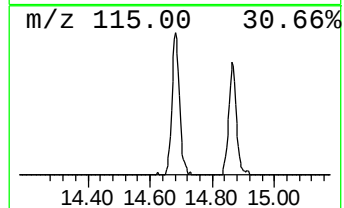
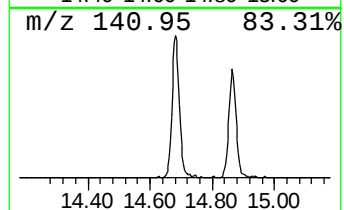
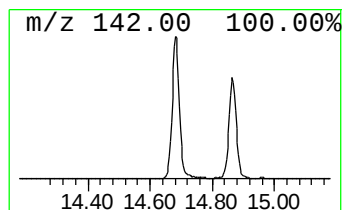
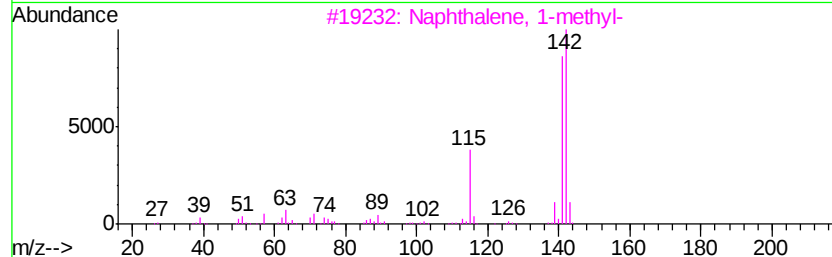
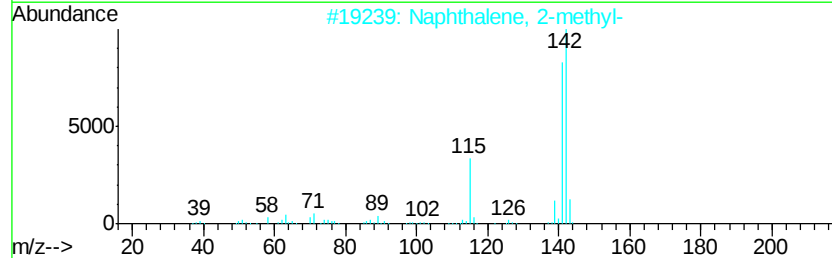
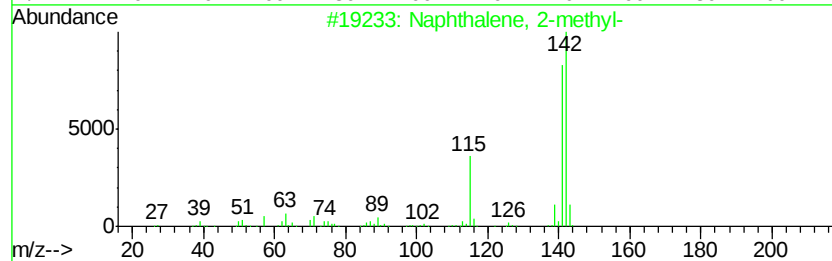
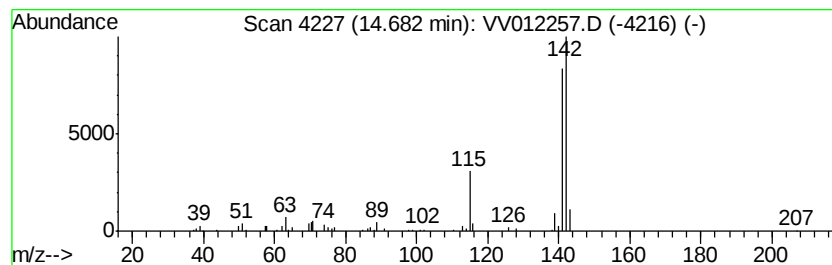
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 14.68 | 1.04 ug/L | 84892 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |    | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 96   |
| 3    |    | Naphthalene, 1-methyl- | 142 | C11H10  | 000090-12-0 | 96   |
| 4    |    | Benzocycloheptatriene  | 142 | C11H10  | 000264-09-5 | 94   |
| 5    |    | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 94   |



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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Isopropyl Alcohol    | 2.30  | 1.0     | ug/L  | 66521    | 1                     | 5.66  | 344424 | 5.0  |
| Naphthalene, 1-me... | 14.68 | 1.0     | ug/L  | 84892    | 3                     | 11.29 | 408738 | 5.0  |