

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\  
 Data File : VV016311.D  
 Acq On : 29 May 2020 05:57  
 Operator : SY/MD  
 Sample : L2662-14  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F9B25

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\SOMVTR052620WMA.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         | 11.189      | 3129          | 3141        | 3156         | rBV      | 1870143        | 2896486       | 1.22%           | 0.902%        |
| 2         | 11.556      | 3238          | 3255        | 3275         | rBV      | 11921638       | 18876506      | 7.93%           | 5.880%        |
| 3         | 11.771      | 3308          | 3322        | 3342         | rBV      | 8573546        | 13434569      | 5.65%           | 4.185%        |
| 4         | 13.601      | 3855          | 3891        | 3902         | rBV2     | 59004152       | 237923755     | 100.00%         | 74.119%       |
| 5         | 13.672      | 3902          | 3913        | 3928         | rVB      | 6137831        | 8748613       | 3.68%           | 2.725%        |
| 6         | 14.665      | 4209          | 4222        | 4246         | rVB      | 12468006       | 20324709      | 8.54%           | 6.332%        |
| 7         | 14.845      | 4265          | 4278        | 4292         | rVB      | 6828177        | 10684066      | 4.49%           | 3.328%        |
| 8         | 15.389      | 4436          | 4447        | 4459         | rVB      | 1612374        | 2390100       | 1.00%           | 0.745%        |
| 9         | 16.514      | 4776          | 4797        | 4821         | rBV      | 3438857        | 5724701       | 2.41%           | 1.783%        |

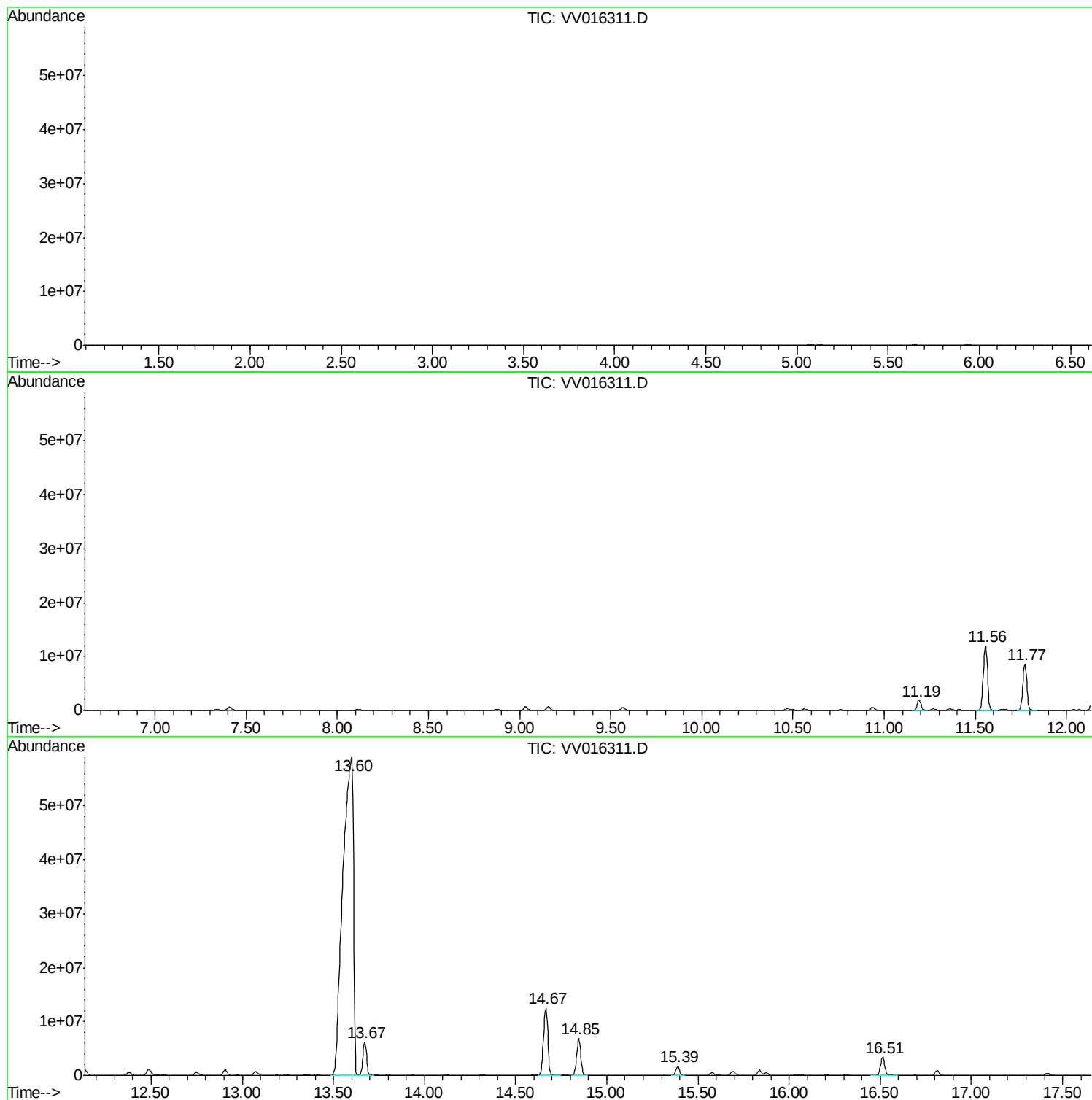
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR052620WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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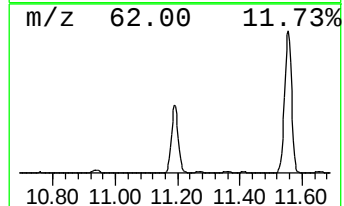
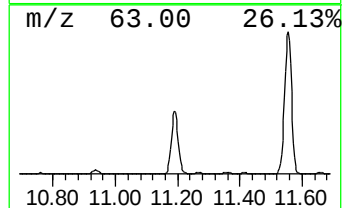
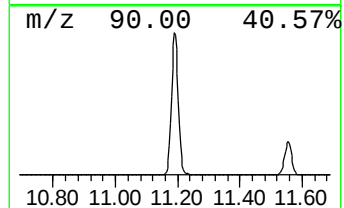
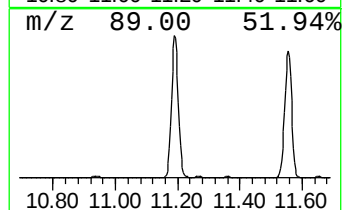
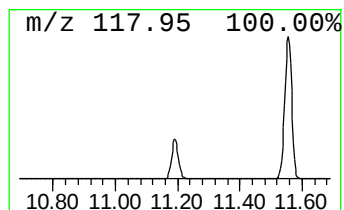
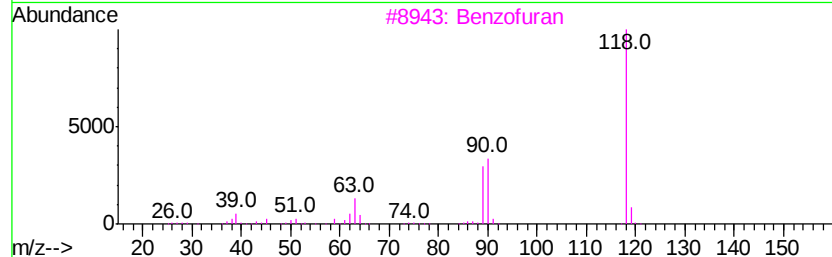
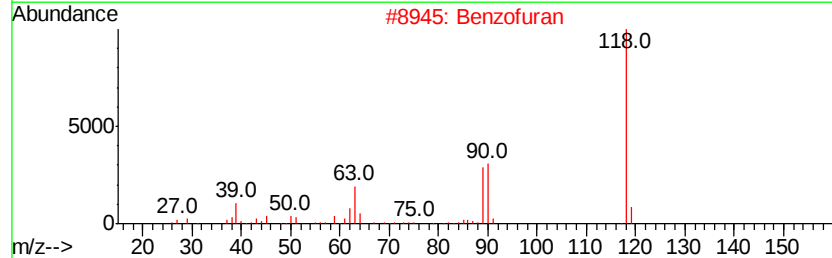
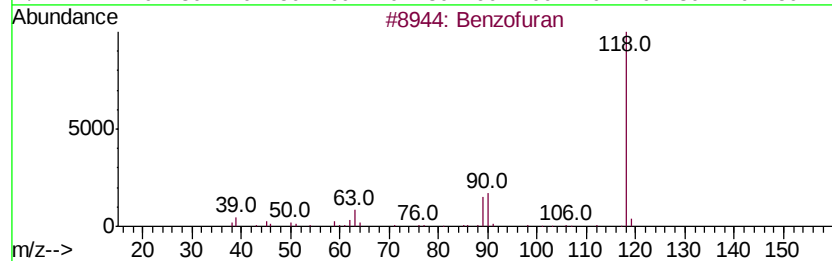
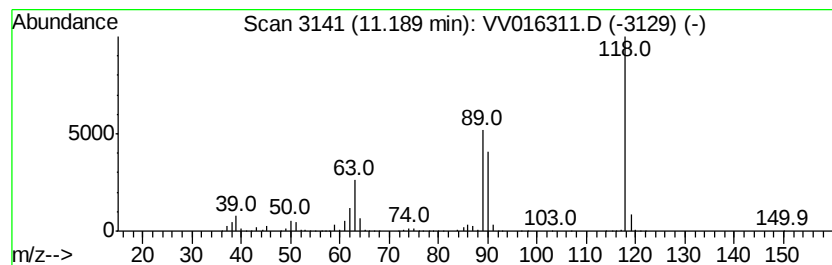
Instrument :  
MSVOA\_V  
ClientSampleId :  
F9B25

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR052620WMA.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 Benzofuran Concentration Rank 8

| R.T.    | EstConc                   | Area         | Relative to ISTD       | R.T.      |
|---------|---------------------------|--------------|------------------------|-----------|
| 11.19   | 5.00 ug/L                 | 2896490      | 1,4-Dichlorobenzene-d4 | 11.27     |
| Hit# of | 5                         | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Benzofuran                | 118 C8H6O    | 000271-89-6            | 91        |
| 2       | Benzofuran                | 118 C8H6O    | 000271-89-6            | 90        |
| 3       | Benzofuran                | 118 C8H6O    | 000271-89-6            | 58        |
| 4       | 3-Hydroxyphenylacetylene  | 118 C8H6O    | 010401-11-3            | 40        |
| 5       | 1H-Pyrrolo[2,3-b]pyridine | 118 C7H6N2   | 000271-63-6            | 40        |



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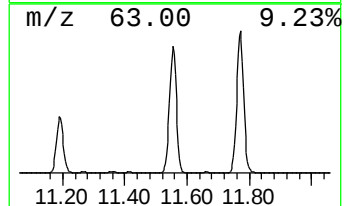
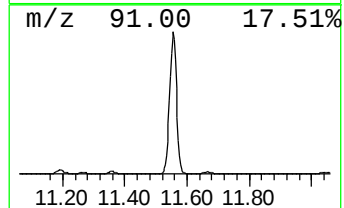
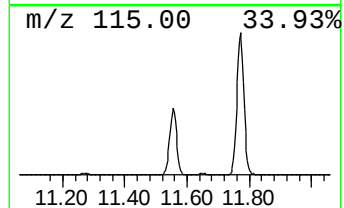
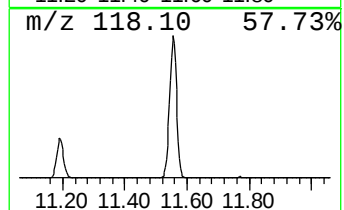
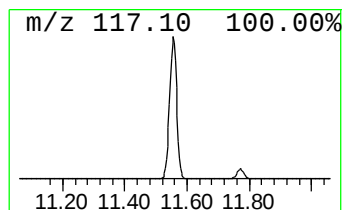
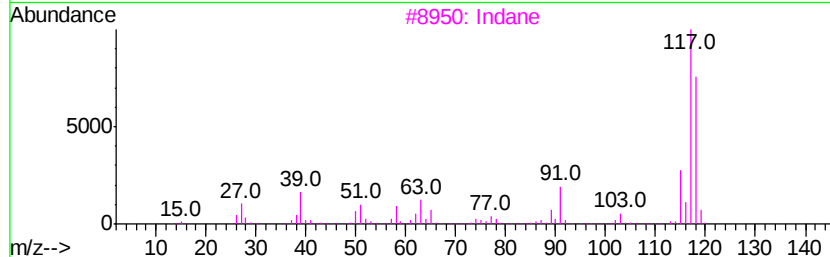
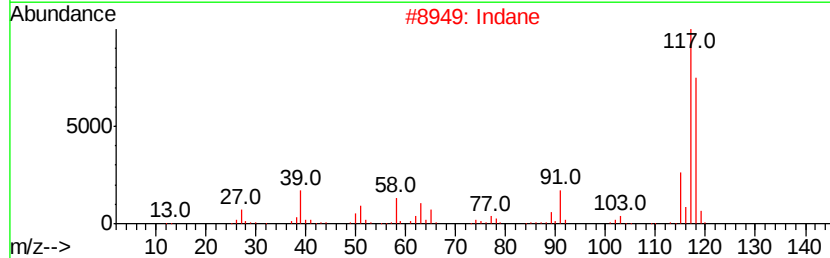
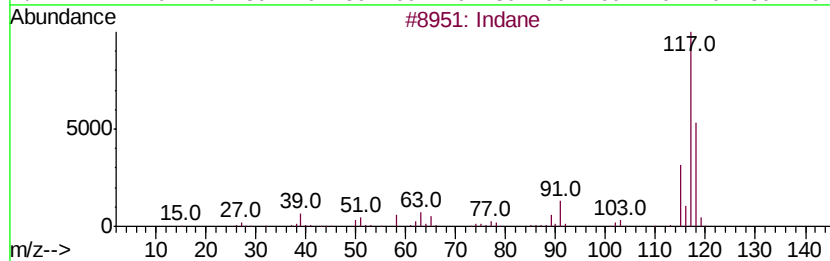
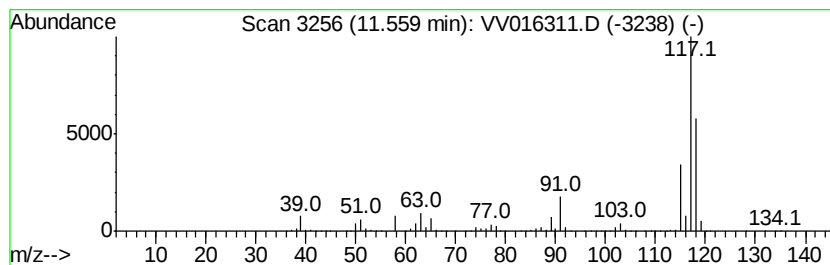
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Indane Concentration Rank 3

| R.T.  | EstConc    | Area     | Relative to ISTD       | R.T.  |
|-------|------------|----------|------------------------|-------|
| 11.56 | 32.59 ug/L | 18876500 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of | 5                     | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-----------------------|--------------|-----|---------|-------------|------|
| 1       | Indane                |              | 118 | C9H10   | 000496-11-7 | 93   |
| 2       | Indane                |              | 118 | C9H10   | 000496-11-7 | 93   |
| 3       | Indane                |              | 118 | C9H10   | 000496-11-7 | 90   |
| 4       | Benzene, 2-propenyl-  |              | 118 | C9H10   | 000300-57-2 | 81   |
| 5       | Benzene, cyclopropyl- |              | 118 | C9H10   | 000873-49-4 | 72   |



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ALS Vial : 50 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
F9B25

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR052620WMA.M  
Quant Title : TRACE VOA SOM01.0

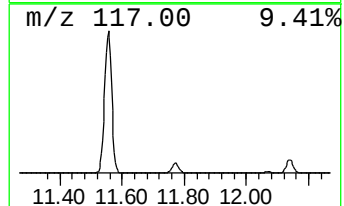
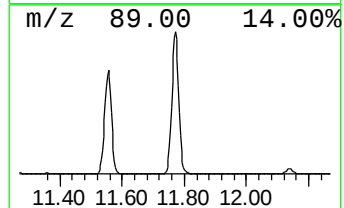
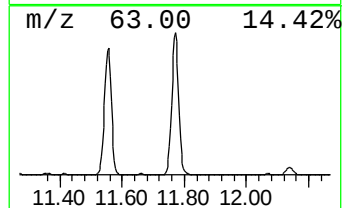
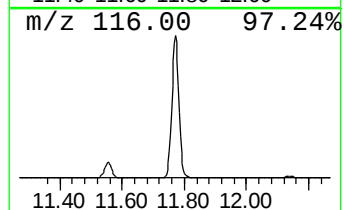
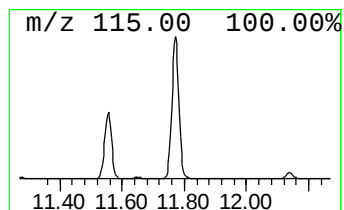
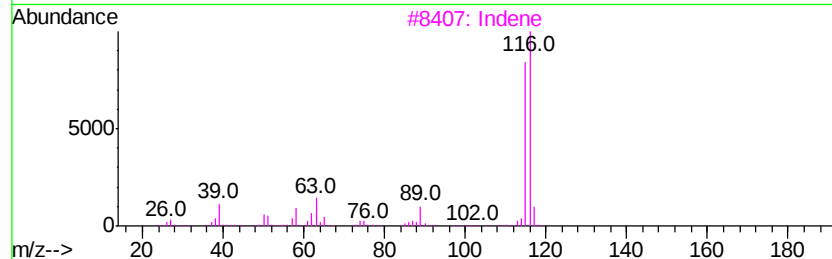
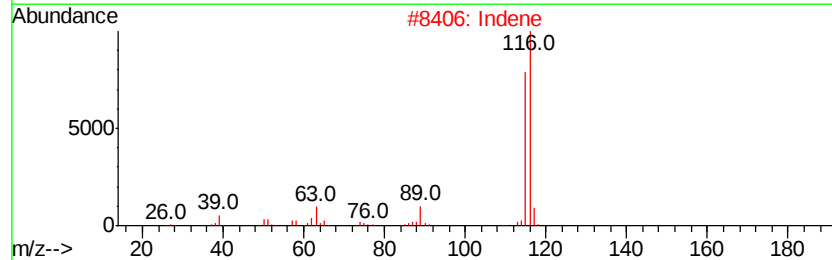
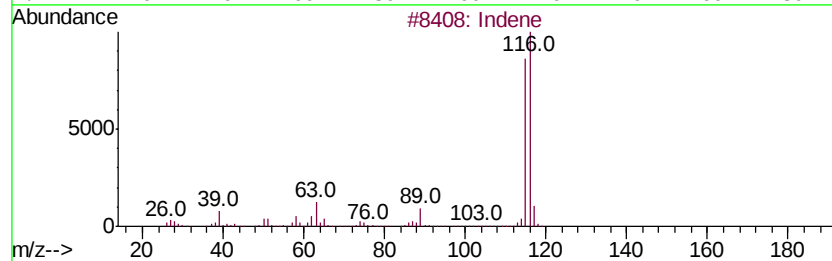
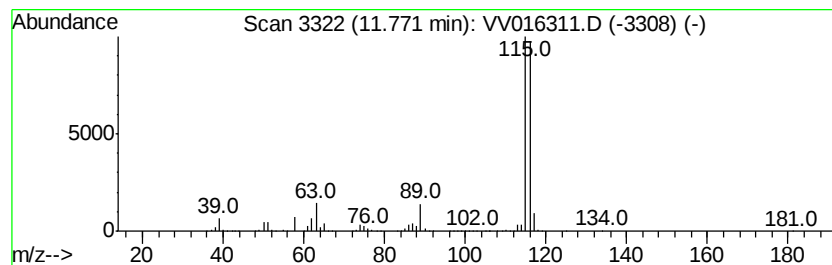
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Indene Concentration Rank 4

| R.T.  | EstConc    | Area     | Relative to ISTD       | R.T.  |
|-------|------------|----------|------------------------|-------|
| 11.77 | 23.19 ug/L | 13434600 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# of | 5                            | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|------------------------------|--------------|-----|---------|-------------|------|
| 1       | Indene                       |              | 116 | C9H8    | 000095-13-6 | 97   |
| 2       | Indene                       |              | 116 | C9H8    | 000095-13-6 | 95   |
| 3       | Indene                       |              | 116 | C9H8    | 000095-13-6 | 94   |
| 4       | Benzene, 1,2-propadienyl-    |              | 116 | C9H8    | 002327-99-3 | 91   |
| 5       | Benzene, 1-ethynyl-4-methyl- |              | 116 | C9H8    | 000766-97-2 | 91   |



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Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
F9B25

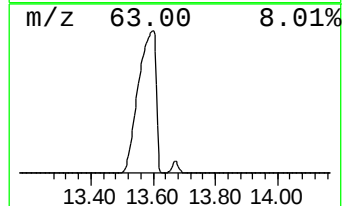
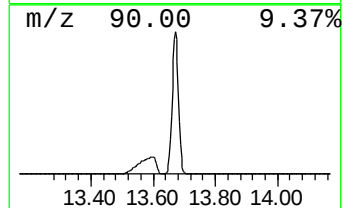
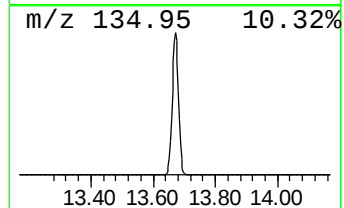
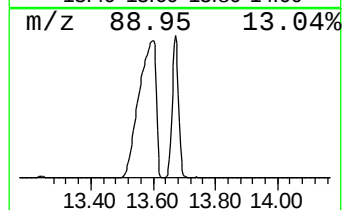
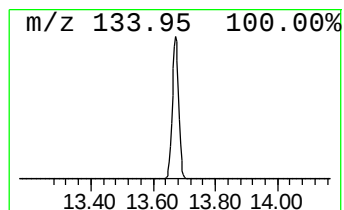
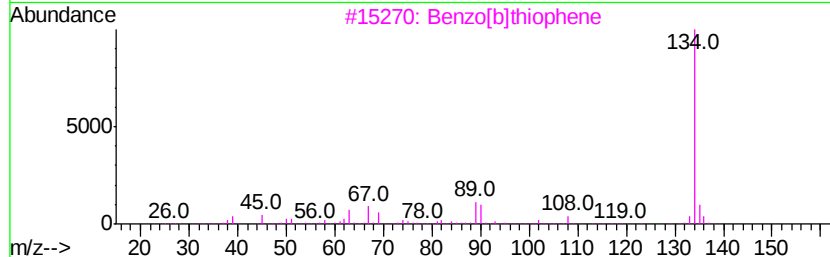
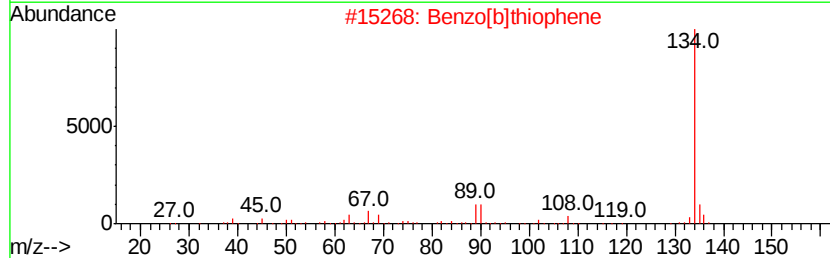
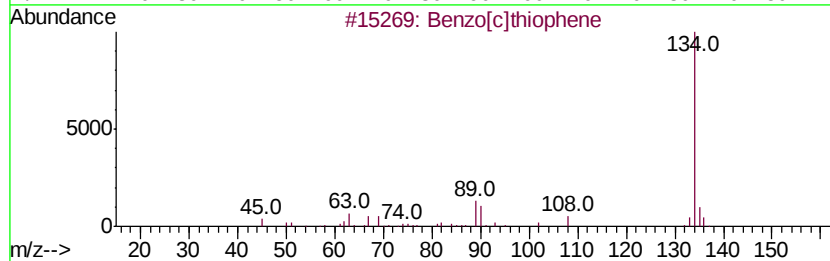
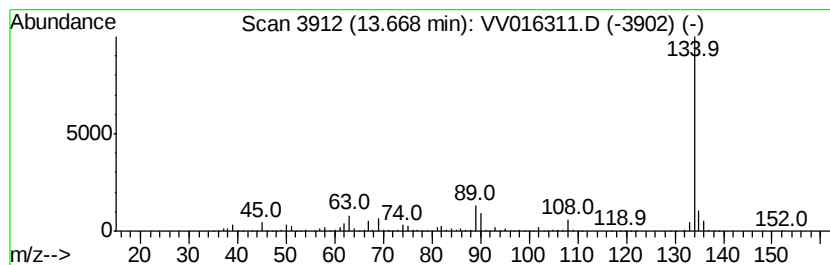
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR052620WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 5 Benzo[c]thiophene Concentration Rank 6

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 13.67 | 15.10 ug/L | 8748610 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzo[c]thiophene      | 134 | C8H6S   | 000270-82-6 | 97   |
| 2    |    | Benzo[b]thiophene      | 134 | C8H6S   | 000095-15-8 | 94   |
| 3    |    | Benzo[b]thiophene      | 134 | C8H6S   | 000095-15-8 | 94   |
| 4    |    | Cyclopenta[c]thiapyran | 134 | C8H6S   | 000270-63-3 | 94   |
| 5    |    | Benzo[b]thiophene      | 134 | C8H6S   | 000095-15-8 | 94   |



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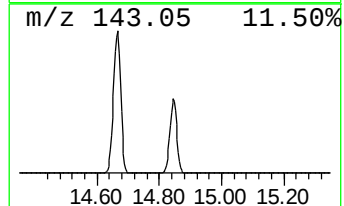
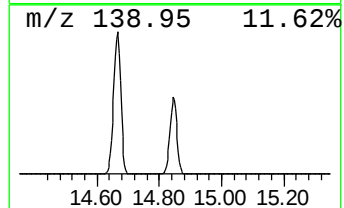
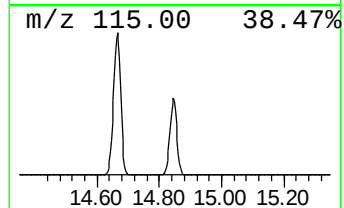
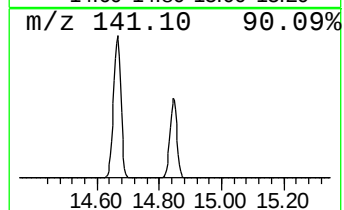
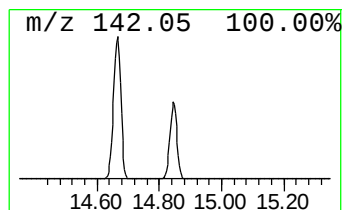
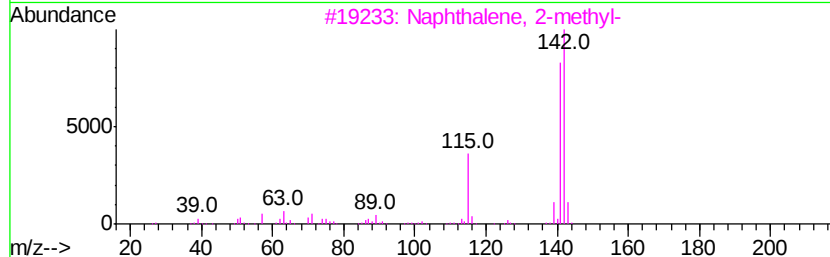
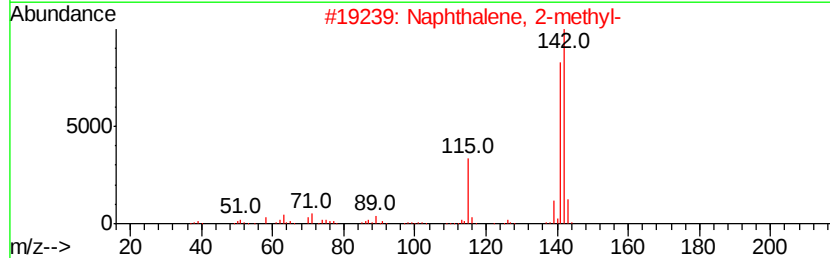
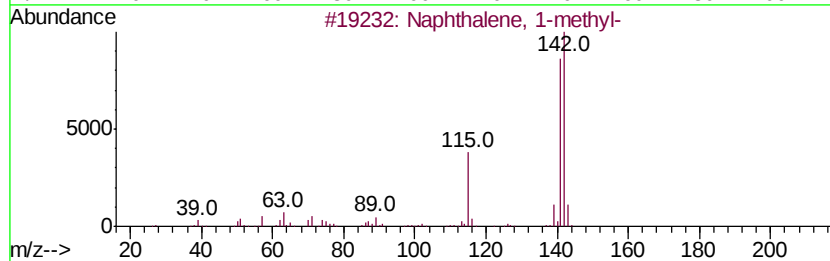
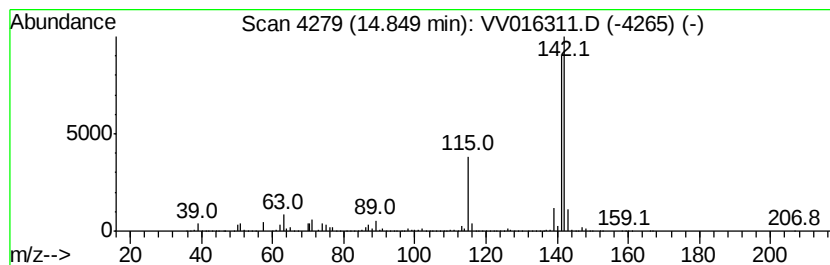
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR052620WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 5

| R.T.  | EstConc    | Area     | Relative to ISTD       | R.T.  |
|-------|------------|----------|------------------------|-------|
| 14.85 | 18.44 ug/L | 10684100 | 1,4-Dichlorobenzene-d4 | 11.27 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 2    |    | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 3    |    | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 4    |    | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 94   |
| 5    |    | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 94   |



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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR052620WMA.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 |
| Benzofuran           | 11.19 | 5.0     | ug/L  | 2896490  | 3                     | 11.27 | 2896490 | 5.0  |
| Indane               | 11.56 | 32.6    | ug/L  | 18876500 | 3                     | 11.27 | 2896490 | 5.0  |
| Indene               | 11.77 | 23.2    | ug/L  | 13434600 | 3                     | 11.27 | 2896490 | 5.0  |
| Benzo[c]thiophene    | 13.67 | 15.1    | ug/L  | 8748610  | 3                     | 11.27 | 2896490 | 5.0  |
| Naphthalene, 1-me... | 14.85 | 18.4    | ug/L  | 10684100 | 3                     | 11.27 | 2896490 | 5.0  |