

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040120\  
 Data File : VU037539.D  
 Acq On : 01 Apr 2020 22:54  
 Operator : JC/MD  
 Sample : L2065-18  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBF14

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\_U\METHOD\SOMUTR040120WMA.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         | 9.722       | 2588          | 2607        | 2631         | rVB      | 2213099        | 3620736       | 1.70%           | 0.892%        |
| 2         | 10.134      | 2721          | 2735        | 2761         | rVB3     | 1336543        | 2607446       | 1.23%           | 0.642%        |
| 3         | 11.018      | 2995          | 3010        | 3028         | rBV      | 2714487        | 6083903       | 2.86%           | 1.498%        |
| 4         | 11.111      | 3028          | 3039        | 3051         | rVV      | 3448144        | 5651791       | 2.66%           | 1.392%        |
| 5         | 11.182      | 3051          | 3061        | 3084         | rVV      | 1688753        | 2708414       | 1.27%           | 0.667%        |
| 6         | 11.491      | 3136          | 3157        | 3168         | rBV      | 7534672        | 11705332      | 5.51%           | 2.882%        |
| 7         | 11.558      | 3168          | 3178        | 3186         | rVV      | 2537097        | 3957862       | 1.86%           | 0.975%        |
| 8         | 11.751      | 3220          | 3238        | 3248         | rVV3     | 2636117        | 5825877       | 2.74%           | 1.434%        |
| 9         | 11.816      | 3248          | 3258        | 3276         | rVV      | 7572292        | 11838542      | 5.57%           | 2.915%        |
| 10        | 11.915      | 3277          | 3289        | 3301         | rVV      | 2407299        | 4201136       | 1.98%           | 1.034%        |
| 11        | 12.121      | 3330          | 3353        | 3370         | rBV      | 19657206       | 32461613      | 15.27%          | 7.993%        |
| 12        | 12.343      | 3405          | 3422        | 3434         | rBV      | 26447204       | 45520642      | 21.41%          | 11.208%       |
| 13        | 12.703      | 3524          | 3534        | 3546         | rVV      | 1482493        | 2321321       | 1.09%           | 0.572%        |
| 14        | 12.951      | 3600          | 3611        | 3617         | rBV      | 1970288        | 3548162       | 1.67%           | 0.874%        |
| 15        | 13.057      | 3633          | 3644        | 3654         | rBV2     | 4790717        | 8832592       | 4.16%           | 2.175%        |
| 16        | 13.324      | 3715          | 3727        | 3744         | rVB      | 2242979        | 3773680       | 1.78%           | 0.929%        |
| 17        | 13.488      | 3768          | 3778        | 3787         | rVB2     | 2861867        | 4796820       | 2.26%           | 1.181%        |
| 18        | 13.558      | 3787          | 3800        | 3819         | rVB2     | 9491527        | 17722501      | 8.34%           | 4.364%        |
| 19        | 13.661      | 3819          | 3832        | 3846         | rBV2     | 2754767        | 5129160       | 2.41%           | 1.263%        |
| 20        | 14.185      | 3957          | 3995        | 4007         | rBV3     | 49495989       | 212574856     | 100.00%         | 52.341%       |
| 21        | 14.269      | 4010          | 4021        | 4032         | rVV      | 3008854        | 4610179       | 2.17%           | 1.135%        |
| 22        | 15.266      | 4319          | 4331        | 4356         | rVB      | 4023382        | 6644972       | 3.13%           | 1.636%        |

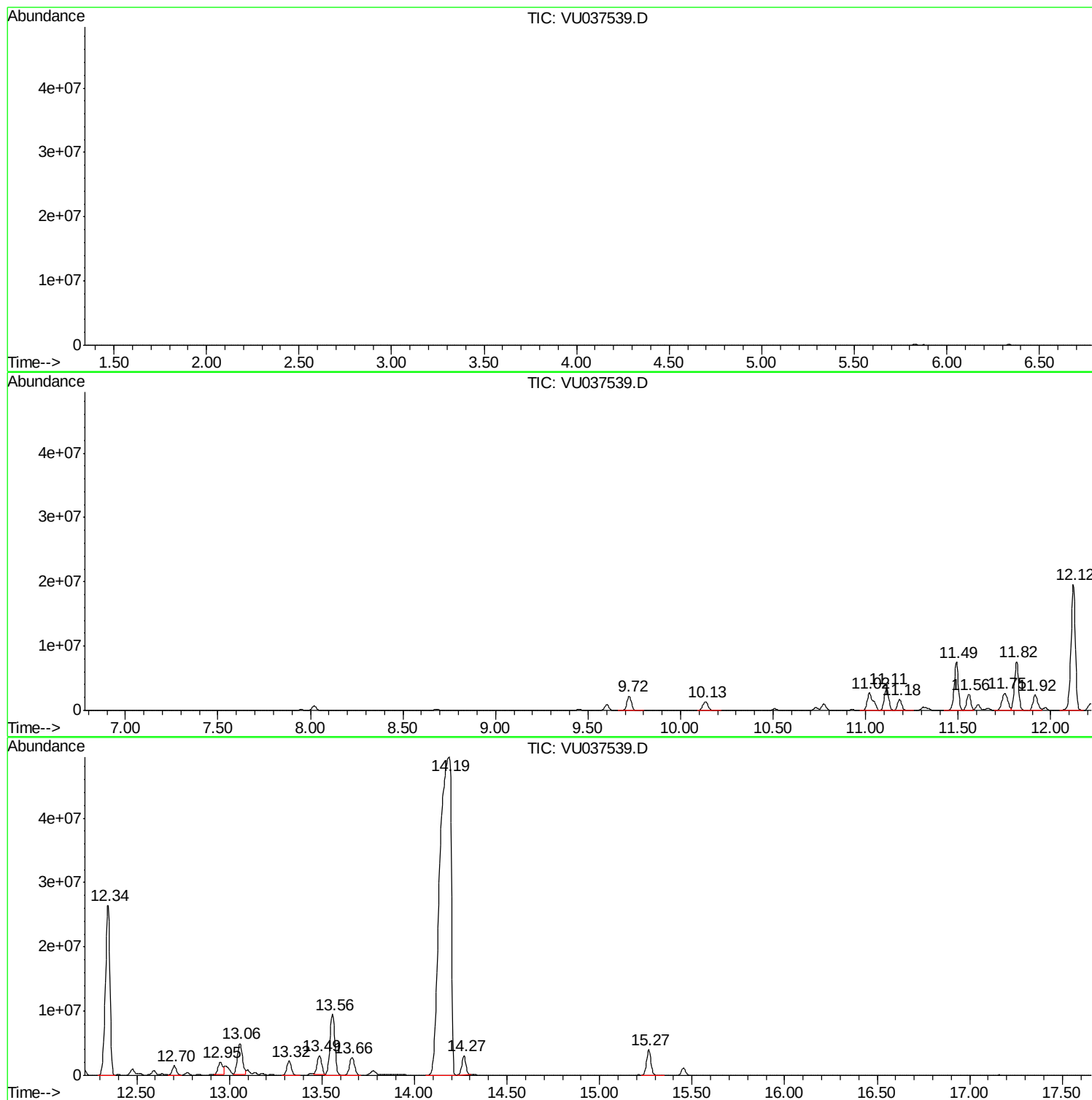
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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBF14

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR040120WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampled :  
DBF14

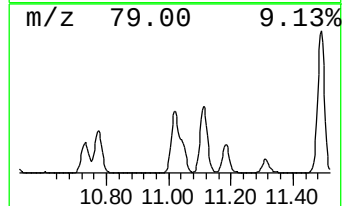
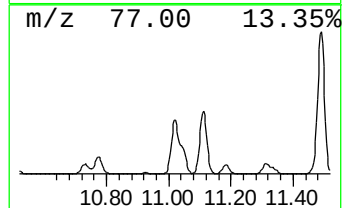
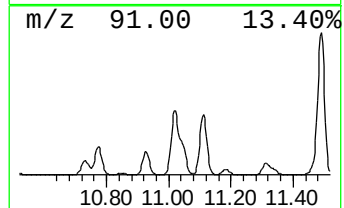
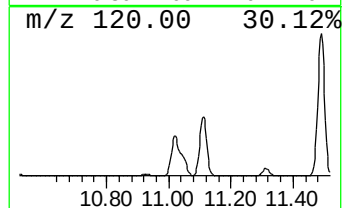
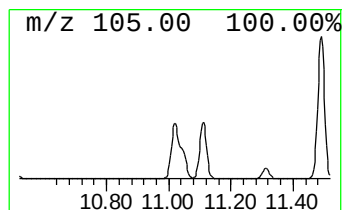
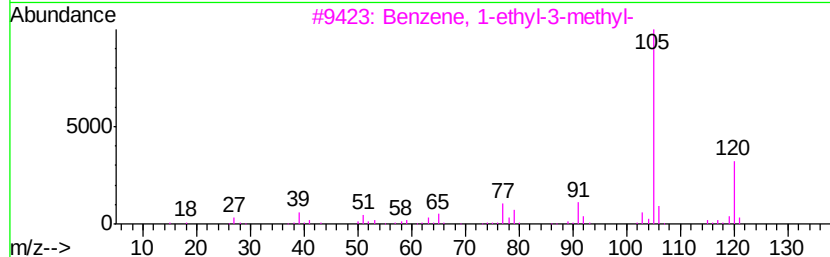
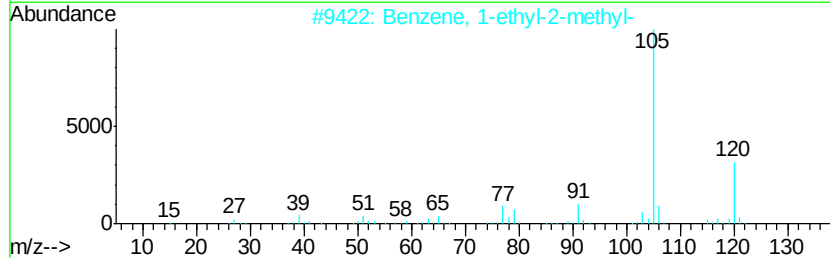
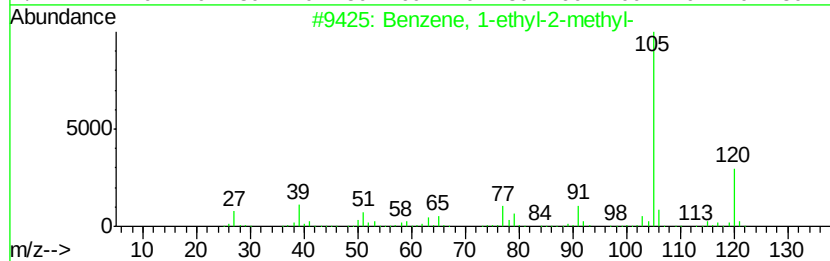
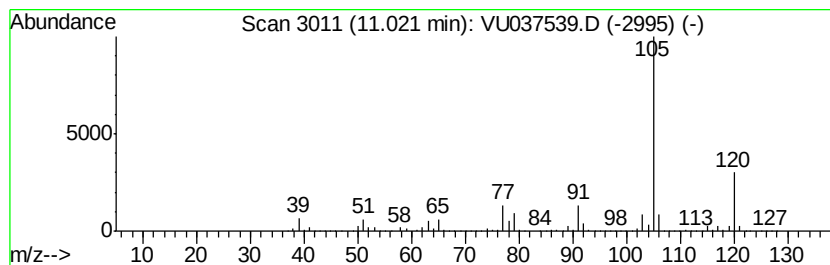
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR040120WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

| R.T.  | EstConc   | Area    | Relative to ISTD       | R.T.  |
|-------|-----------|---------|------------------------|-------|
| 11.02 | 2.57 ug/L | 6083900 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 2    |    | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 3    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 94   |
| 4    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 94   |
| 5    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |



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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBF14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR040120WMA.M  
Quant Title : TRACE VOA SOM01.0

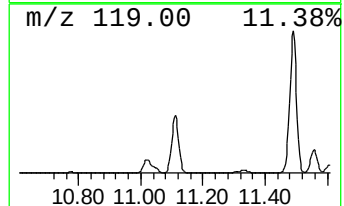
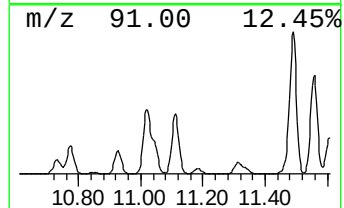
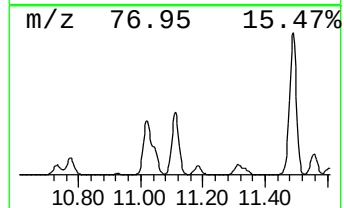
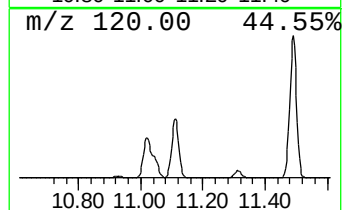
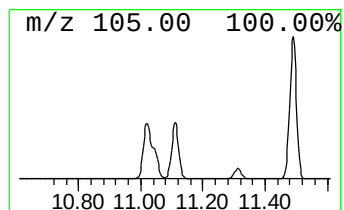
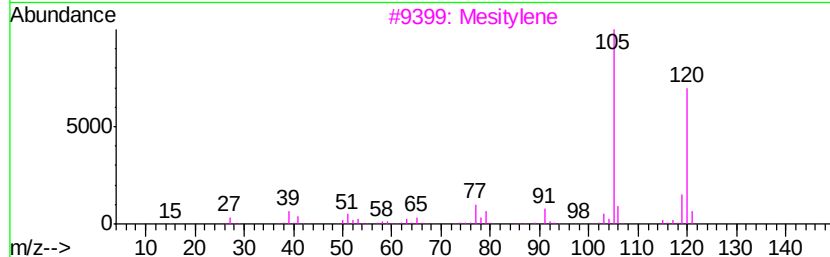
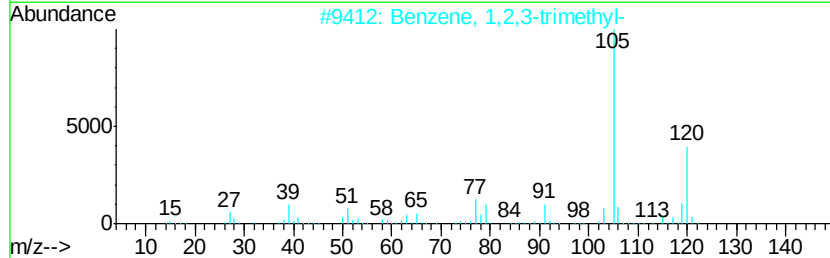
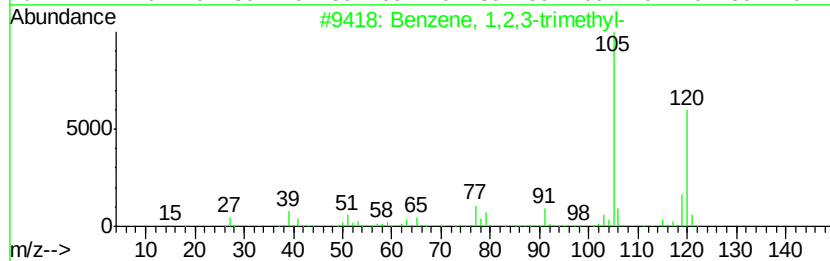
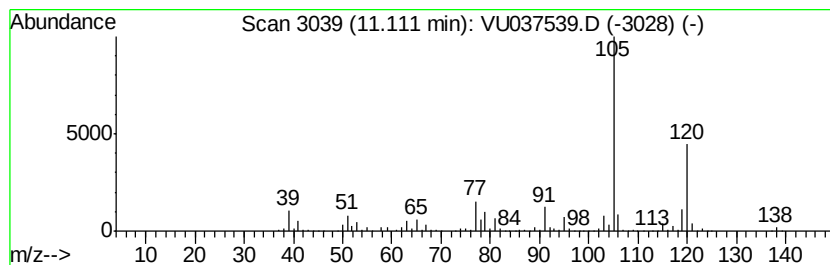
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 10

| R.T.  | EstConc   | Area    | Relative to ISTD       | R.T.  |
|-------|-----------|---------|------------------------|-------|
| 11.11 | 2.39 ug/L | 5651790 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3-trimethyl- | 120 | C9H12   | 000526-73-8 | 96   |
| 2    |    | Benzene, 1,2,3-trimethyl- | 120 | C9H12   | 000526-73-8 | 95   |
| 3    |    | Mesitylene                | 120 | C9H12   | 000108-67-8 | 94   |
| 4    |    | Benzene, 1,2,3-trimethyl- | 120 | C9H12   | 000526-73-8 | 94   |
| 5    |    | Benzene, 1,2,4-trimethyl- | 120 | C9H12   | 000095-63-6 | 94   |



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Sample : L2065-18  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

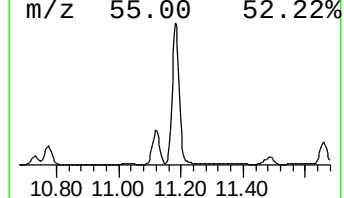
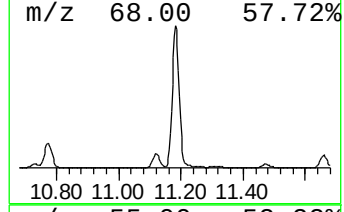
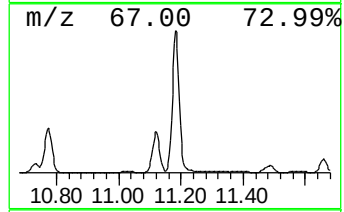
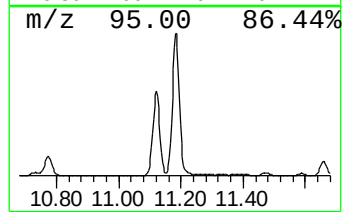
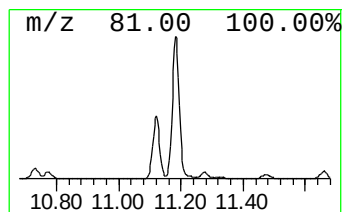
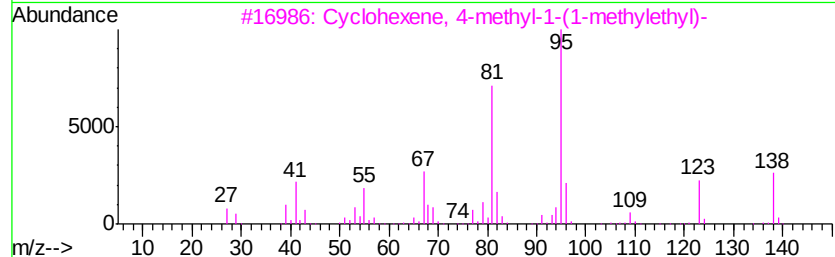
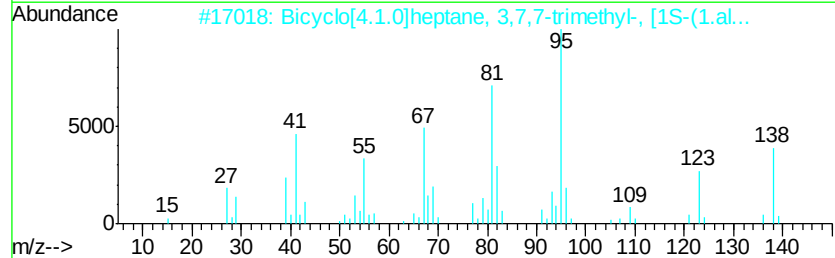
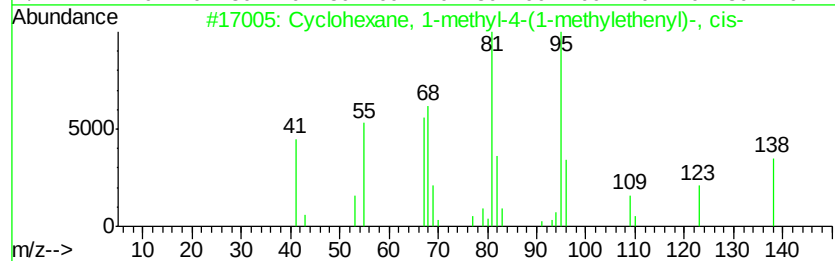
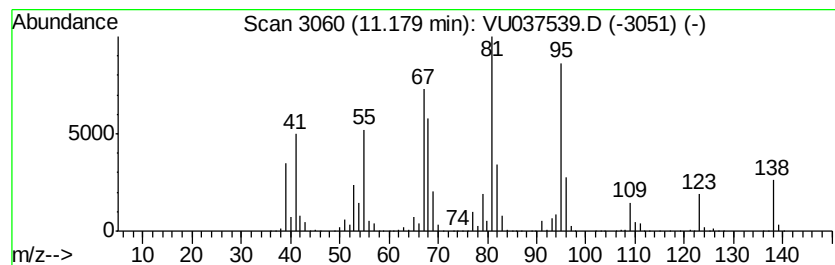
Instrument :  
MSVOA\_U  
ClientSampleId :  
DBF14

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR040120WMA.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 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 18

| R.T.    | EstConc   | Area                                                                        | Relative to ISTD       | R.T.           |
|---------|-----------|-----------------------------------------------------------------------------|------------------------|----------------|
| 11.18   | 1.14 ug/L | 2708410                                                                     | 1,4-Dichlorobenzene-d4 | 11.83          |
| Hit# of | 5         | Tentative ID                                                                | MW MolForm             | CAS# Qual      |
| 1       |           | Cyclohexane, 1-methyl-4-(1-methyl-4-(1-methylethyl)-, cis-                  | 138 C10H18             | 001879-07-8 96 |
| 2       |           | Bicyclo[4.1.0]heptane, 3,7,7-trimethyl-, [1S-(1.alpha.,3.alpha.,7.alpha.)]- | 138 C10H18             | 002778-68-9 83 |
| 3       |           | Cyclohexene, 4-methyl-1-(1-methylethyl)-, [1S-(1.alpha.,4.alpha.)]-         | 138 C10H18             | 000500-00-5 74 |
| 4       |           | Cyclohexene, 1-methyl-4-(1-methylethyl)-, [1S-(1.alpha.,4.alpha.)]-         | 138 C10H18             | 001195-31-9 64 |
| 5       |           | Bicyclo[4.1.0]heptane, 3,7,7-trimethyl-, [1S-(1.alpha.,3.alpha.,7.alpha.)]- | 138 C10H18             | 018968-23-5 64 |



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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBF14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR040120WMA.M  
Quant Title : TRACE VOA SOM01.0

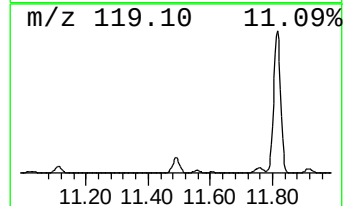
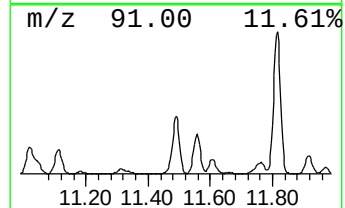
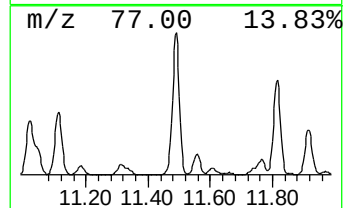
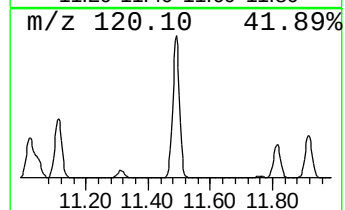
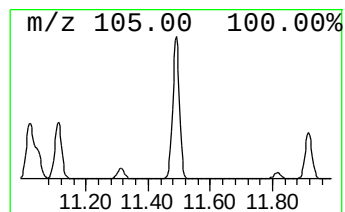
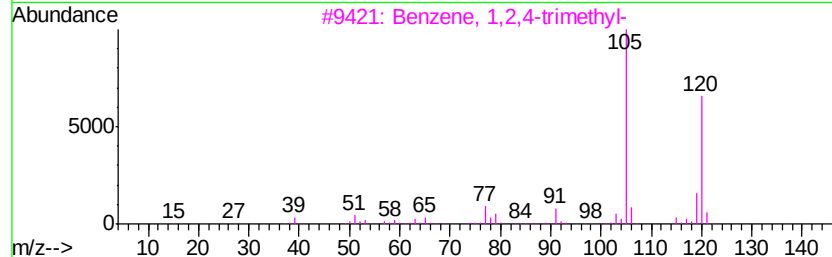
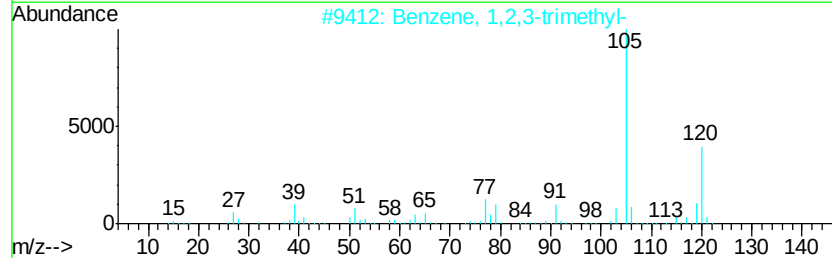
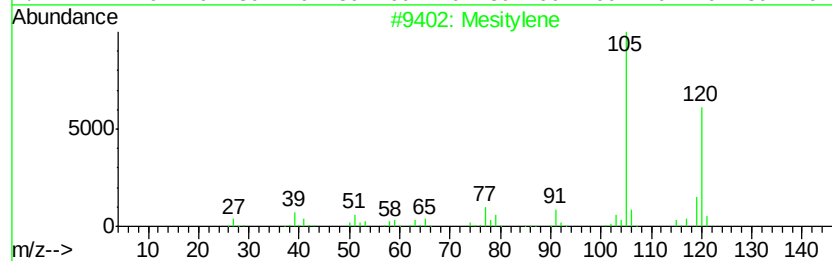
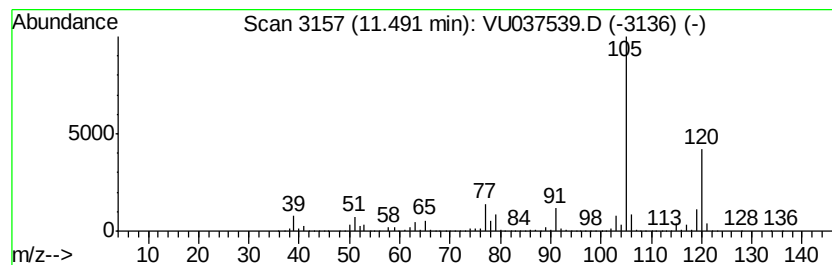
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Mesitylene Concentration Rank 5

| R.T.  | EstConc   | Area     | Relative to ISTD       | R.T.  |
|-------|-----------|----------|------------------------|-------|
| 11.49 | 4.94 ug/L | 11705300 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of | 5                         | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|---------------------------|--------------|-----|---------|-------------|------|
| 1       | Mesitylene                |              | 120 | C9H12   | 000108-67-8 | 95   |
| 2       | Benzene, 1,2,3-trimethyl- |              | 120 | C9H12   | 000526-73-8 | 94   |
| 3       | Benzene, 1,2,4-trimethyl- |              | 120 | C9H12   | 000095-63-6 | 94   |
| 4       | Benzene, 1,2,4-trimethyl- |              | 120 | C9H12   | 000095-63-6 | 94   |
| 5       | Benzene, 1,2,3-trimethyl- |              | 120 | C9H12   | 000526-73-8 | 94   |



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ALS Vial : 1 Sample Multiplier: 1

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MSVOA\_U  
ClientSampleId :  
DBF14

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR040120WMA.M  
Quant Title : TRACE VOA SOM01.0

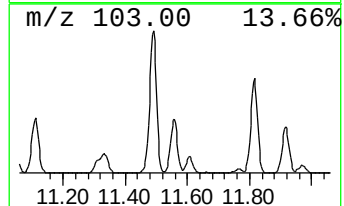
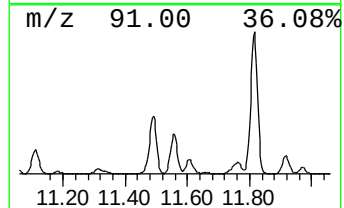
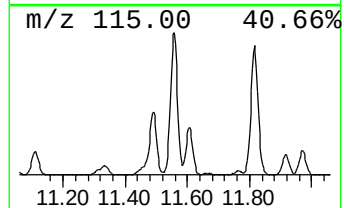
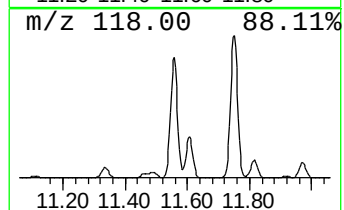
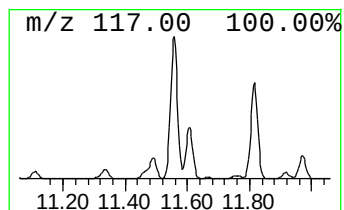
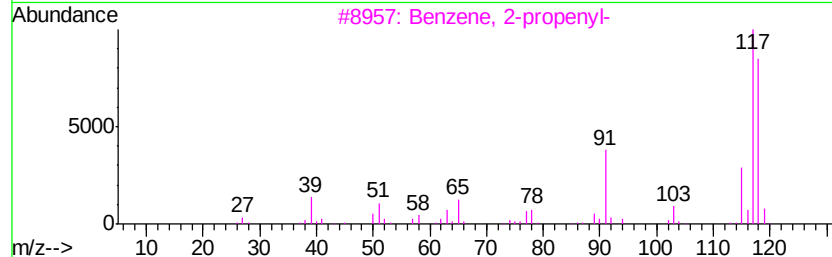
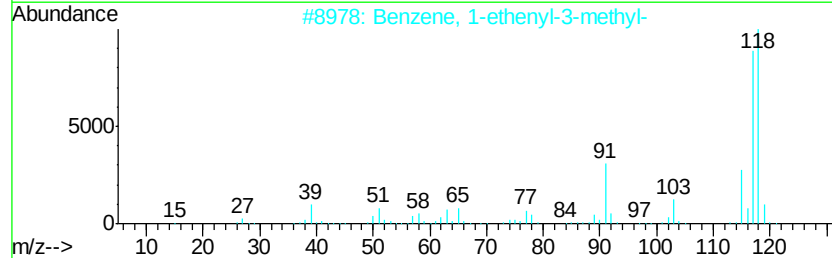
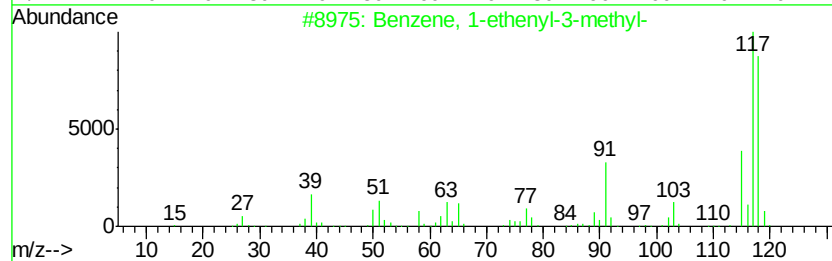
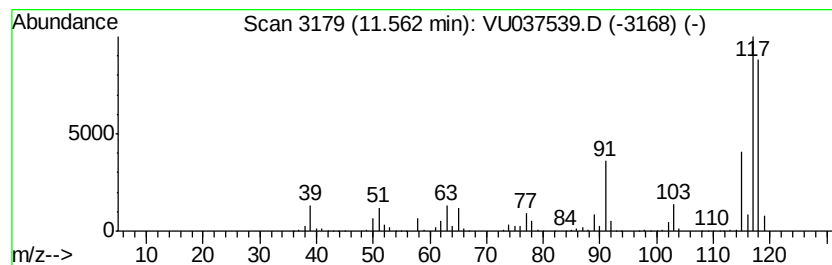
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Benzene, 1-ethenyl-3-methyl- Concentration Rank 15

| R.T.  | EstConc   | Area    | Relative to ISTD       | R.T.  |
|-------|-----------|---------|------------------------|-------|
| 11.56 | 1.67 ug/L | 3957860 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|---------|---|------------------------------|-----|---------|-------------|------|
| 1       |   | Benzene, 1-ethenyl-3-methyl- | 118 | C9H10   | 000100-80-1 | 96   |
| 2       |   | Benzene, 1-ethenyl-3-methyl- | 118 | C9H10   | 000100-80-1 | 96   |
| 3       |   | Benzene, 2-propenyl-         | 118 | C9H10   | 000300-57-2 | 95   |
| 4       |   | Benzene, 1-propenyl-         | 118 | C9H10   | 000637-50-3 | 94   |
| 5       |   | Benzene, 1-ethenyl-3-methyl- | 118 | C9H10   | 000100-80-1 | 94   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU040120\  
Data File : VU037539.D  
Acq On : 01 Apr 2020 22:54  
Operator : JC/MD  
Sample : L2065-18  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

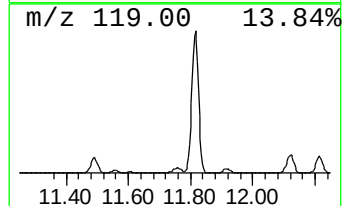
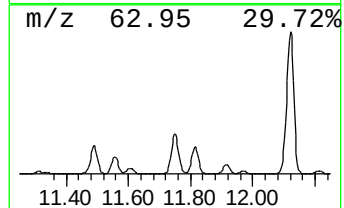
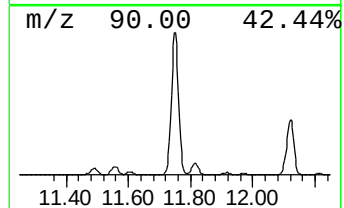
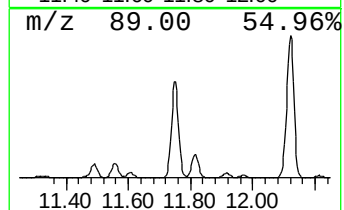
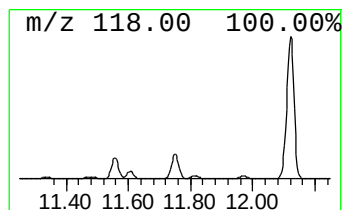
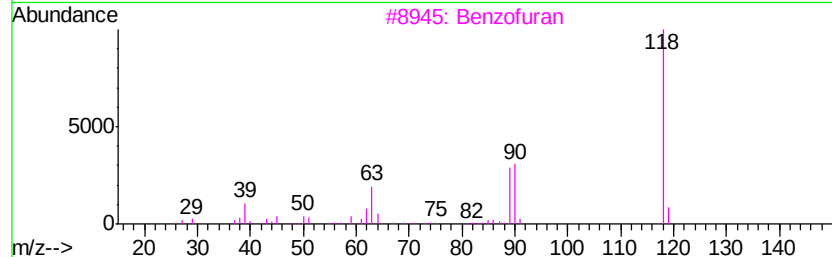
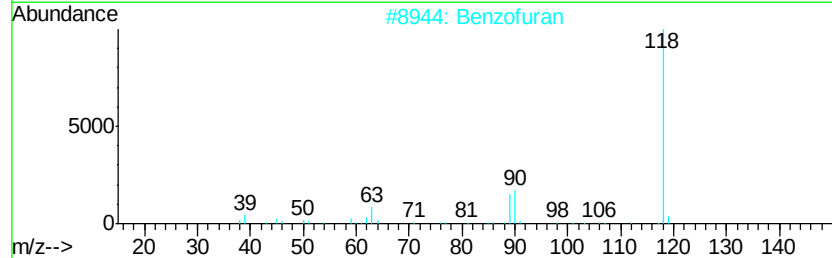
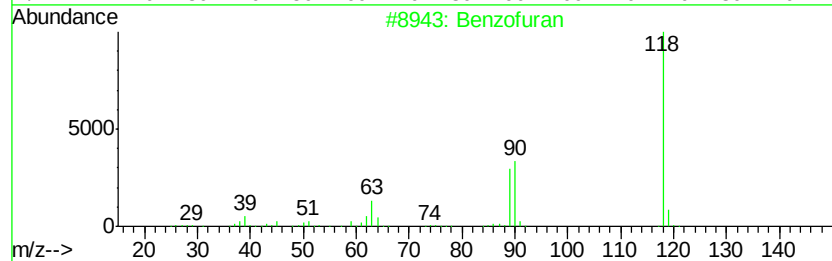
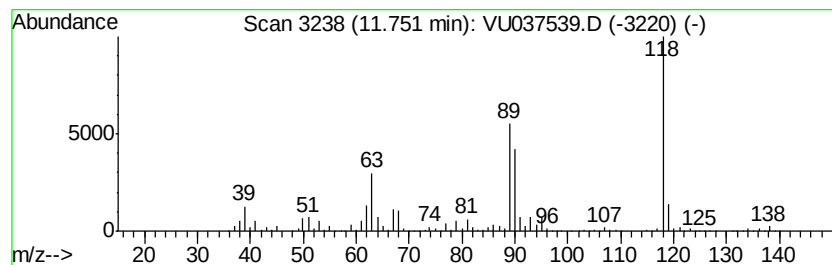
Instrument :  
MSVOA\_U  
ClientSampleId :  
DBF14

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR040120WMA.M  
Quant Title : TRACE VOA SOM01.0

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

\*\*\*\*\*  
Peak Number 6 Benzofuran Concentration Rank 9

| R.T.    | EstConc                    | Area         | Relative to ISTD       | R.T.      |
|---------|----------------------------|--------------|------------------------|-----------|
| 11.75   | 2.46 ug/L                  | 5825880      | 1,4-Dichlorobenzene-d4 | 11.83     |
| Hit# of | 5                          | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Benzofuran                 | 118 C8H6O    | 000271-89-6            | 87        |
| 2       | Benzofuran                 | 118 C8H6O    | 000271-89-6            | 83        |
| 3       | Benzofuran                 | 118 C8H6O    | 000271-89-6            | 58        |
| 4       | 2H-Cyclopenta[d]pyridazine | 118 C7H6N2   | 000270-64-4            | 47        |
| 5       | 1H-Pyrrolo[2,3-b]pyridine  | 118 C7H6N2   | 000271-63-6            | 38        |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU040120\  
Data File : VU037539.D  
Acq On : 01 Apr 2020 22:54  
Operator : JC/MD  
Sample : L2065-18  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBF14

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR040120WMA.M  
Quant Title : TRACE VOA SOM01.0

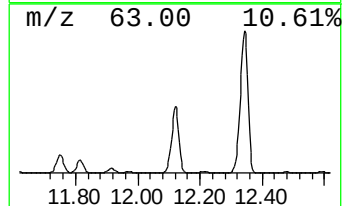
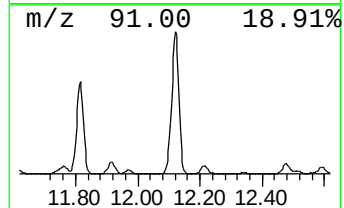
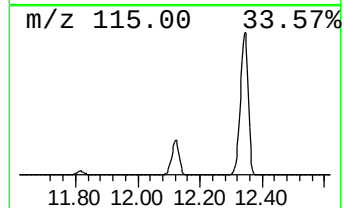
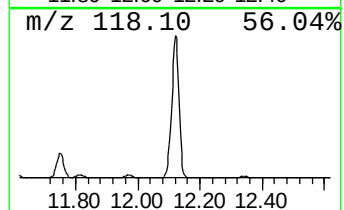
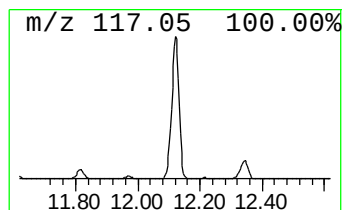
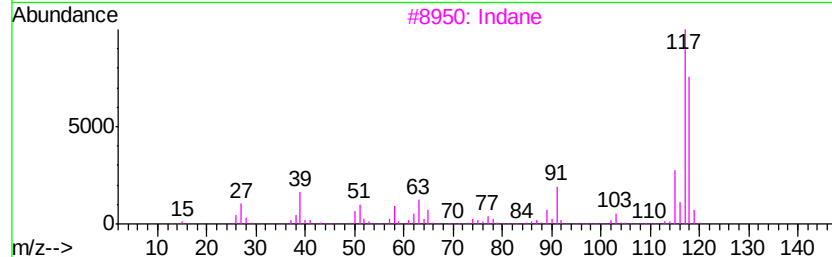
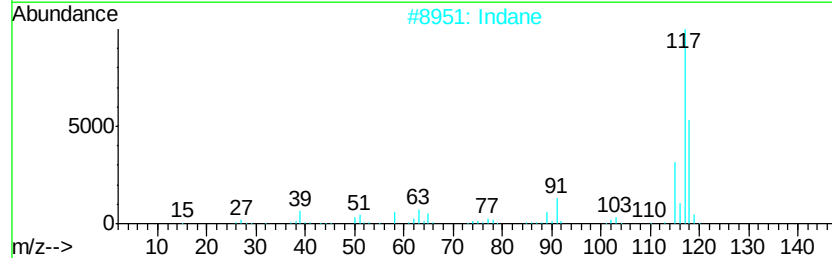
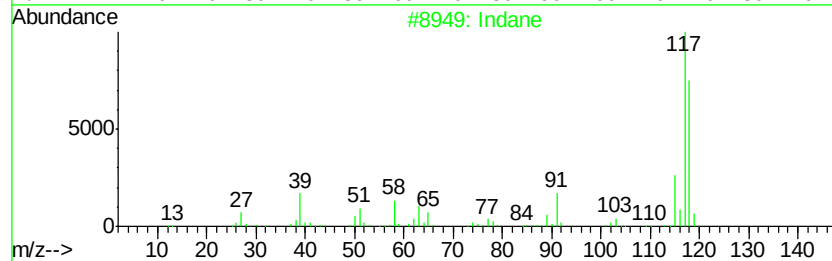
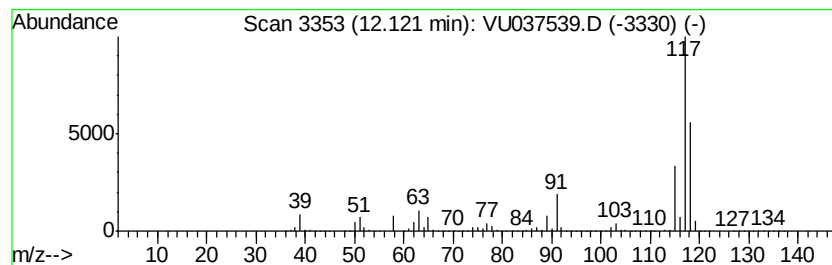
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Indane Concentration Rank 3

| R.T.  | EstConc    | Area     | Relative to ISTD       | R.T.  |
|-------|------------|----------|------------------------|-------|
| 12.12 | 13.71 ug/L | 32461600 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of | 5                    | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|----------------------|--------------|-----|---------|-------------|------|
| 1       | Indane               |              | 118 | C9H10   | 000496-11-7 | 93   |
| 2       | Indane               |              | 118 | C9H10   | 000496-11-7 | 91   |
| 3       | Indane               |              | 118 | C9H10   | 000496-11-7 | 90   |
| 4       | Benzene, 2-propenyl- |              | 118 | C9H10   | 000300-57-2 | 81   |
| 5       | Benzene, 1-propenyl- |              | 118 | C9H10   | 000637-50-3 | 76   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU040120\  
Data File : VU037539.D  
Acq On : 01 Apr 2020 22:54  
Operator : JC/MD  
Sample : L2065-18  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBF14

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR040120WMA.M  
Quant Title : TRACE VOA SOM01.0

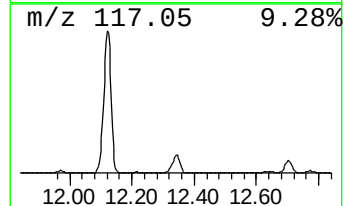
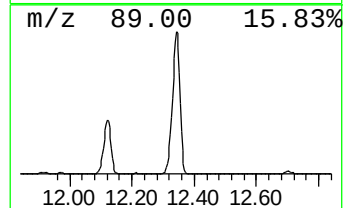
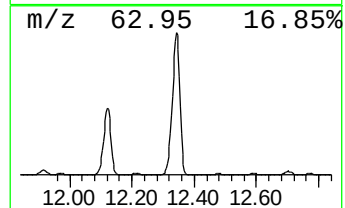
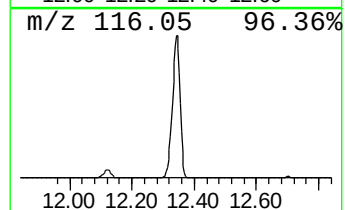
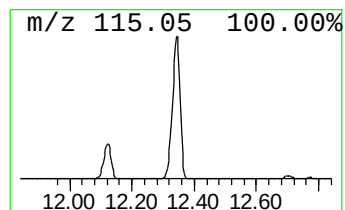
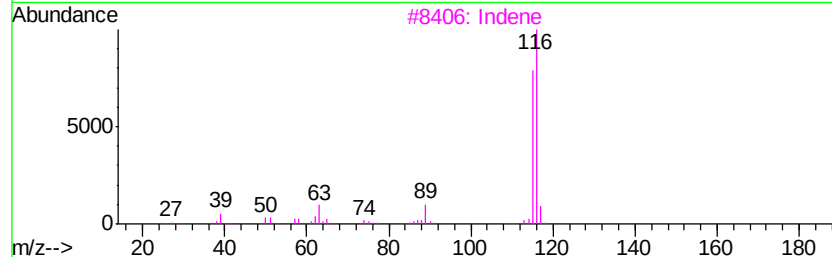
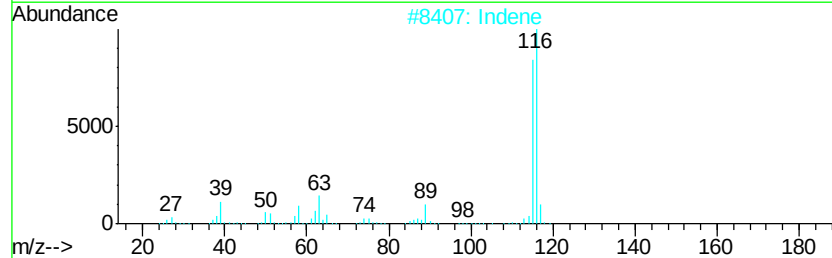
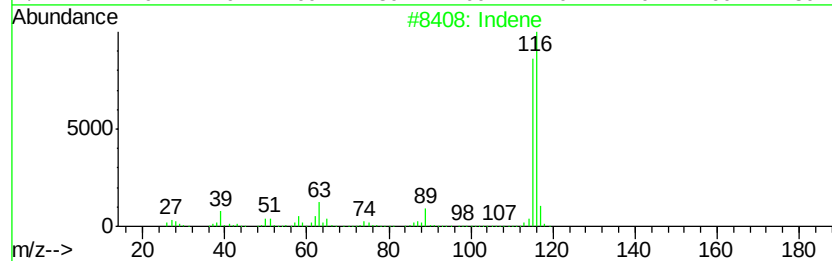
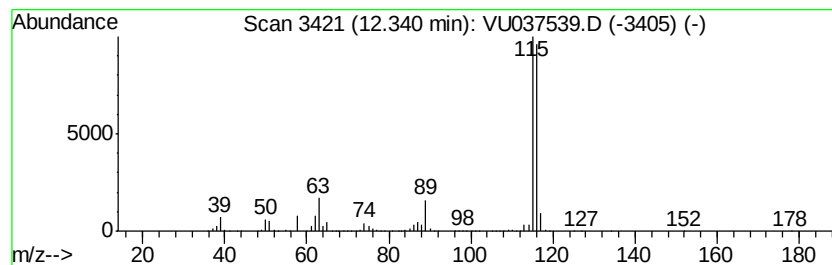
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Indene Concentration Rank 2

| R.T.  | EstConc    | Area     | Relative to ISTD       | R.T.  |
|-------|------------|----------|------------------------|-------|
| 12.34 | 19.23 ug/L | 45520600 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# of | 5                       | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------------------|--------------|-----|---------|-------------|------|
| 1       | Indene                  |              | 116 | C9H8    | 000095-13-6 | 96   |
| 2       | Indene                  |              | 116 | C9H8    | 000095-13-6 | 94   |
| 3       | Indene                  |              | 116 | C9H8    | 000095-13-6 | 94   |
| 4       | 3-Methylphenylacetylene |              | 116 | C9H8    | 000766-82-5 | 91   |
| 5       | Benzene, 1-propynyl-    |              | 116 | C9H8    | 000673-32-5 | 91   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU040120\  
Data File : VU037539.D  
Acq On : 01 Apr 2020 22:54  
Operator : JC/MD  
Sample : L2065-18  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBF14

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR040120WMA.M  
Quant Title : TRACE VOA SOM01.0

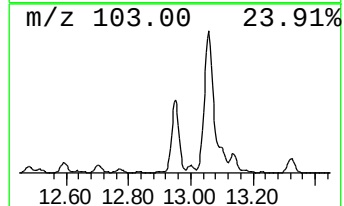
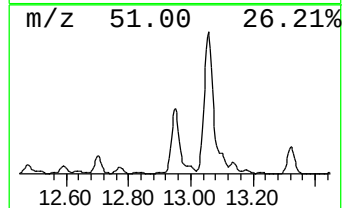
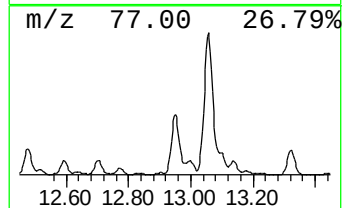
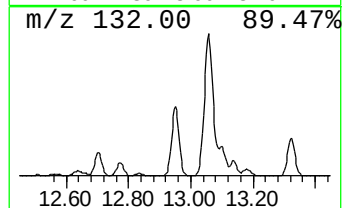
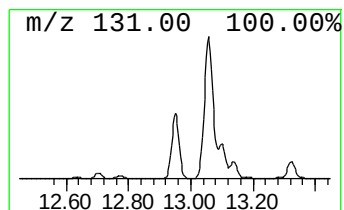
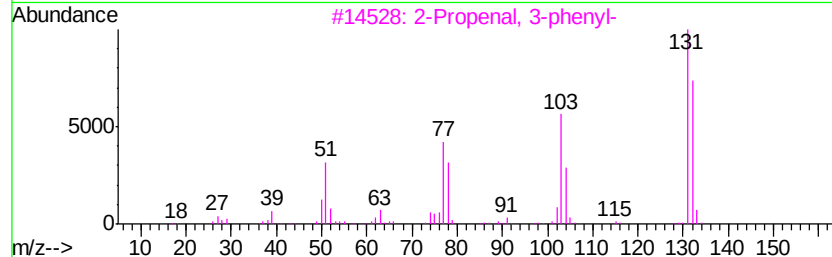
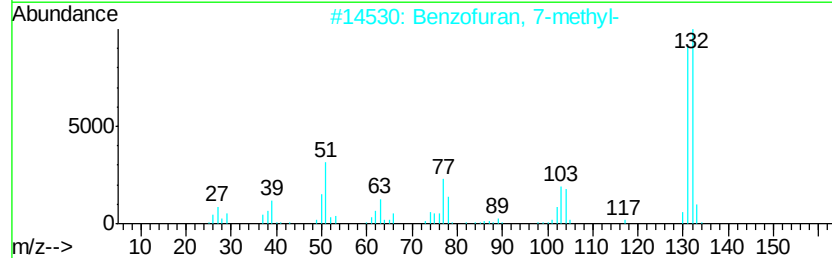
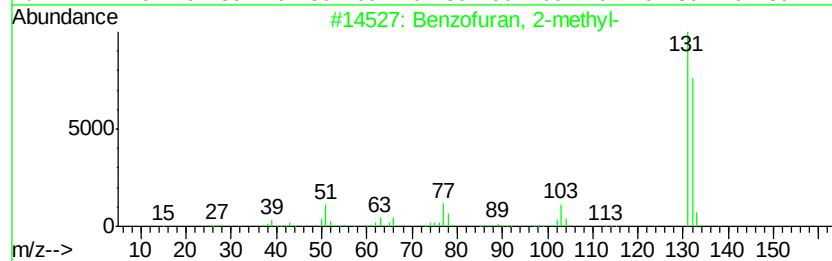
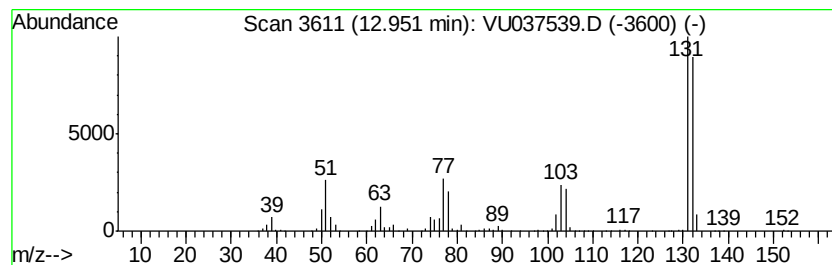
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Benzofuran, 2-methyl- Concentration Rank 17

| R.T.  | EstConc   | Area    | Relative to ISTD       | R.T.  |
|-------|-----------|---------|------------------------|-------|
| 12.95 | 1.50 ug/L | 3548160 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzofuran, 2-methyl-  | 132 | C9H8O   | 004265-25-2 | 95   |
| 2    |    | Benzofuran, 7-methyl-  | 132 | C9H8O   | 017059-52-8 | 94   |
| 3    |    | 2-Propenal, 3-phenyl-  | 132 | C9H8O   | 000104-55-2 | 93   |
| 4    |    | 3-Phenyl-2-propyn-1-ol | 132 | C9H8O   | 001504-58-1 | 91   |
| 5    |    | 3-Phenyl-2-propyn-1-ol | 132 | C9H8O   | 001504-58-1 | 91   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU040120\  
Data File : VU037539.D  
Acq On : 01 Apr 2020 22:54  
Operator : JC/MD  
Sample : L2065-18  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBF14

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR040120WMA.M  
Quant Title : TRACE VOA SOM01.0

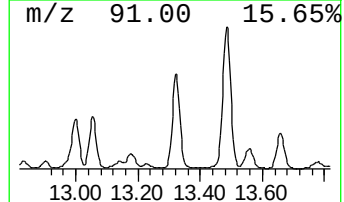
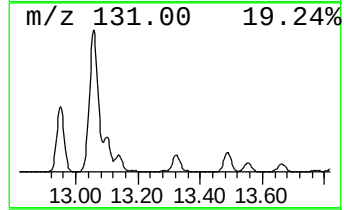
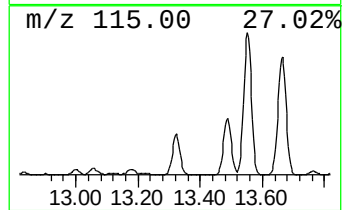
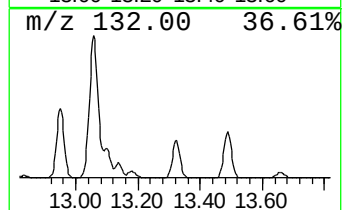
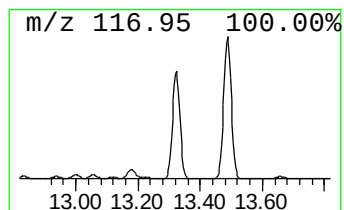
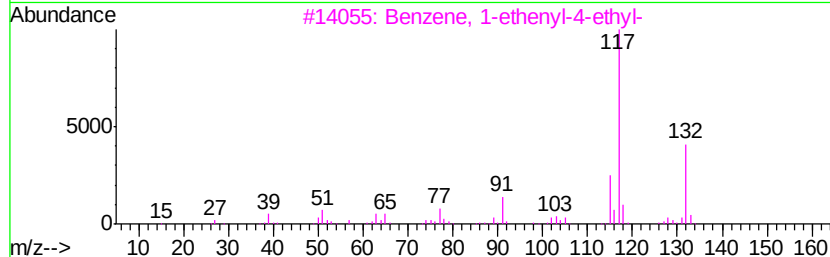
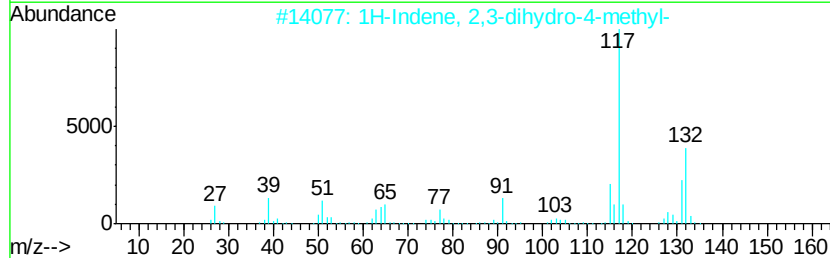
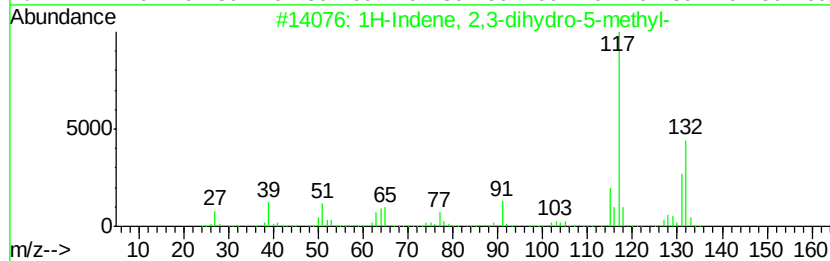
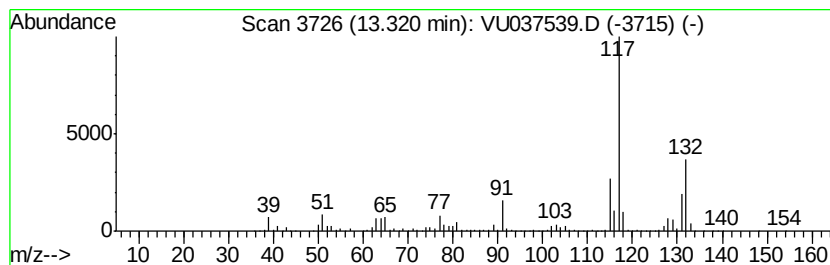
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 16

| R.T.  | EstConc   | Area    | Relative to ISTD       | R.T.  |
|-------|-----------|---------|------------------------|-------|
| 13.32 | 1.59 ug/L | 3773680 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12  | 000874-35-1 | 95   |
| 2    |    | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 94   |
| 3    |    | Benzene, 1-ethenyl-4-ethyl-      | 132 | C10H12  | 003454-07-7 | 94   |
| 4    |    | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 93   |
| 5    |    | Indan, 1-methyl-                 | 132 | C10H12  | 000767-58-8 | 93   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040120\  
Data File : VU037539.D  
Acq On : 01 Apr 2020 22:54  
Operator : JC/MD  
Sample : L2065-18  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampled :  
DBF14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR040120WMA.M  
Quant Title : TRACE VOA SOM01.0

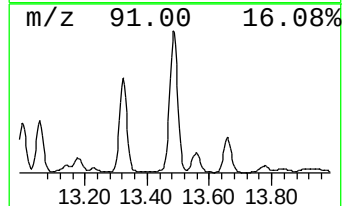
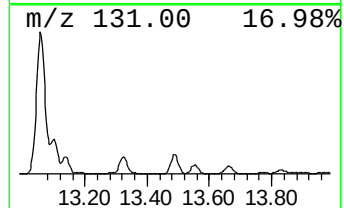
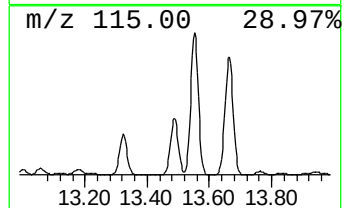
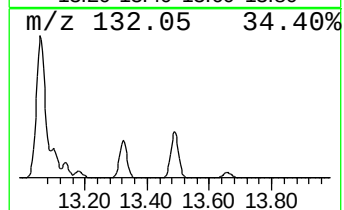
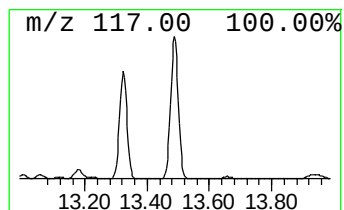
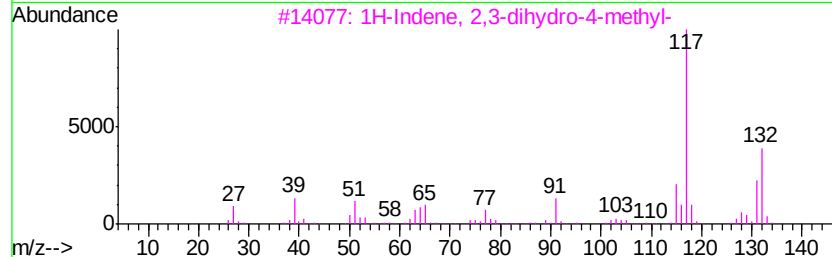
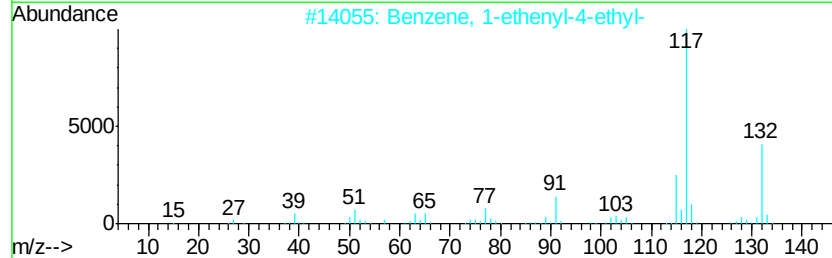
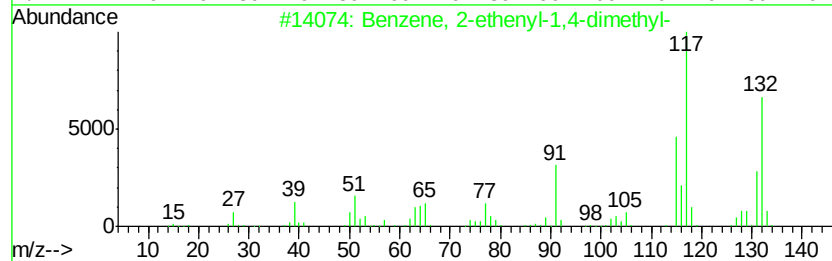
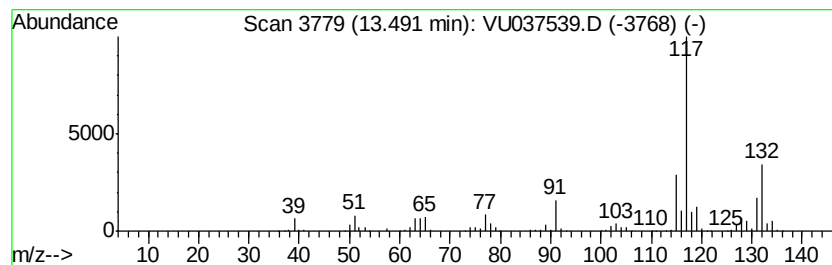
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 12

| R.T.  | EstConc   | Area    | Relative to ISTD       | R.T.  |
|-------|-----------|---------|------------------------|-------|
| 13.49 | 2.03 ug/L | 4796820 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 96   |
| 2    |    | Benzene, 1-ethenyl-4-ethyl-      | 132 | C10H12  | 003454-07-7 | 94   |
| 3    |    | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 93   |
| 4    |    | 1-Phenyl-1-butene                | 132 | C10H12  | 000824-90-8 | 93   |
| 5    |    | Benzene, 2-butenyl-              | 132 | C10H12  | 001560-06-1 | 90   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU040120\  
Data File : VU037539.D  
Acq On : 01 Apr 2020 22:54  
Operator : JC/MD  
Sample : L2065-18  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBF14

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR040120WMA.M  
Quant Title : TRACE VOA SOM01.0

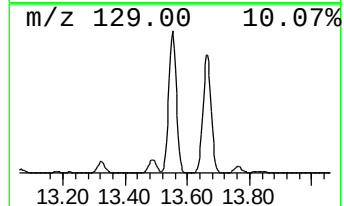
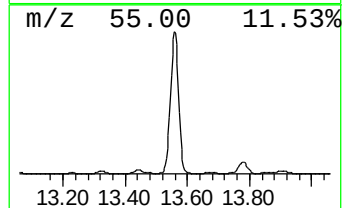
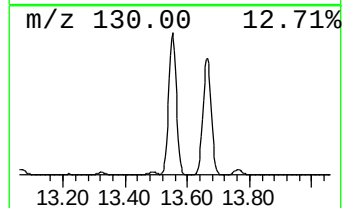
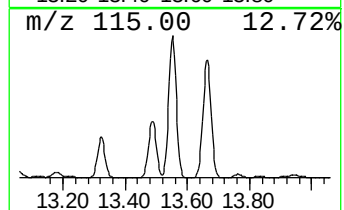
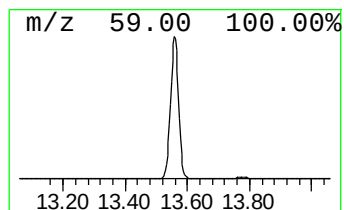
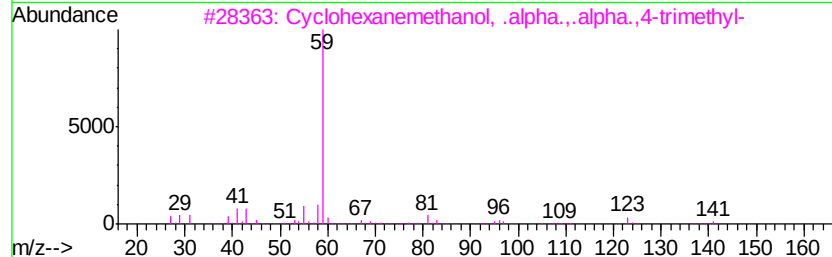
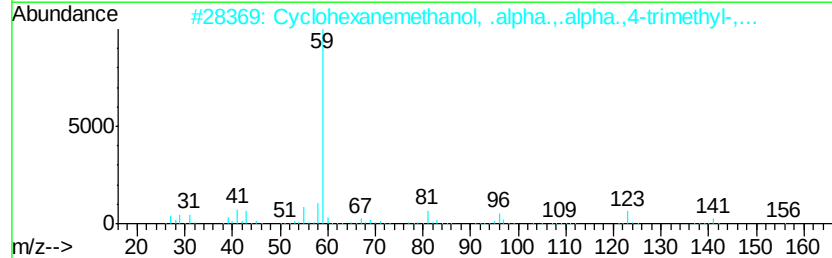
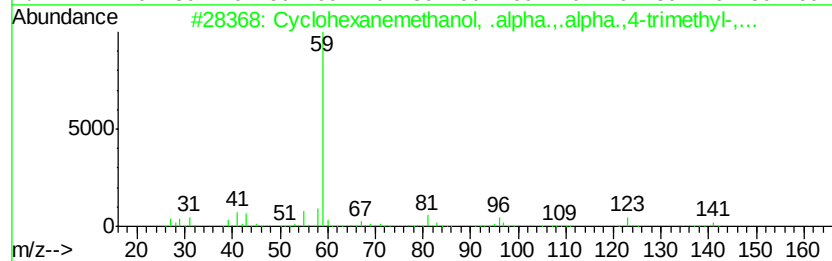
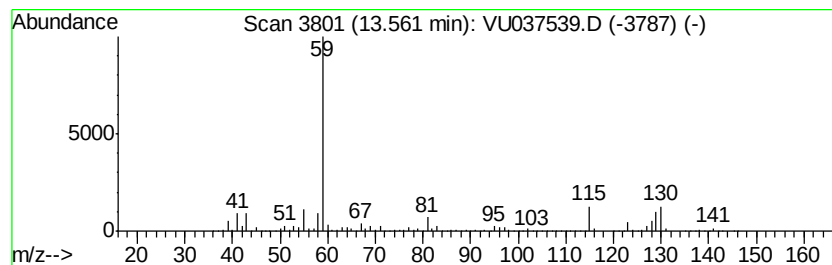
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 Cyclohexanemethanol, .alpha... Concentration Rank 4

| R.T.  | EstConc   | Area     | Relative to ISTD       | R.T.  |
|-------|-----------|----------|------------------------|-------|
| 13.56 | 7.49 ug/L | 17722500 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexanemethanol, .alpha...al... | 156 | C10H20O | 007322-63-6 | 53   |
| 2    |    | Cyclohexanemethanol, .alpha...al... | 156 | C10H20O | 005114-00-1 | 53   |
| 3    |    | Cyclohexanemethanol, .alpha...al... | 156 | C10H20O | 000498-81-7 | 53   |
| 4    |    | 2-Heptanol, 2-methyl-               | 130 | C8H18O  | 000625-25-2 | 45   |
| 5    |    | Cyclohexanemethanol, .alpha...al... | 156 | C10H20O | 000498-81-7 | 42   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU040120\  
Data File : VU037539.D  
Acq On : 01 Apr 2020 22:54  
Operator : JC/MD  
Sample : L2065-18  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBF14

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR040120WMA.M  
Quant Title : TRACE VOA SOM01.0

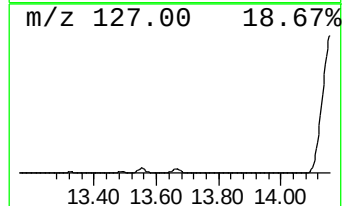
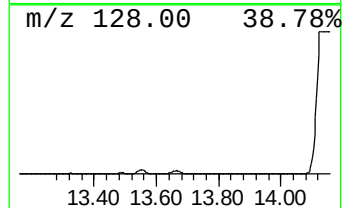
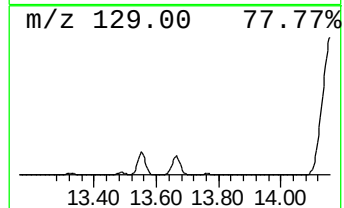
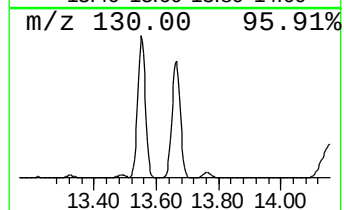
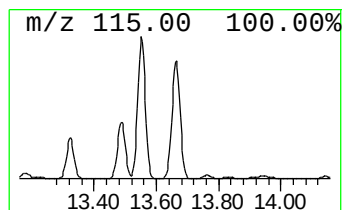
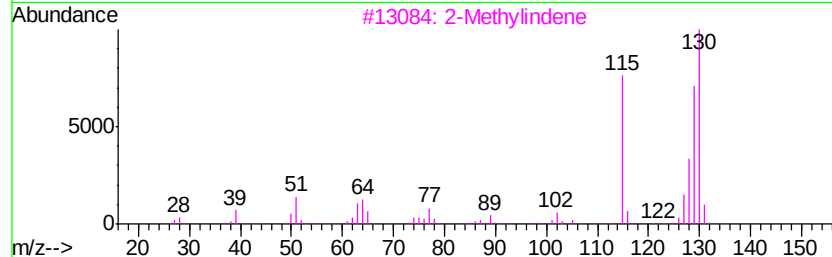
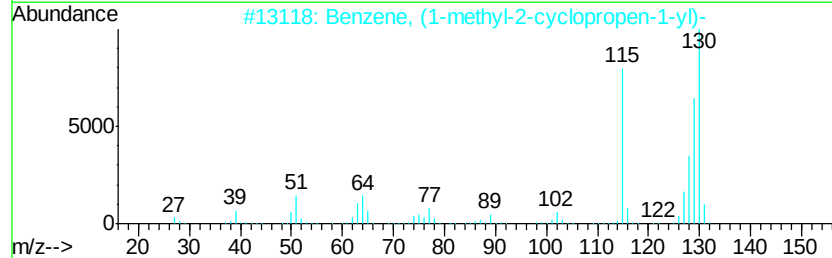
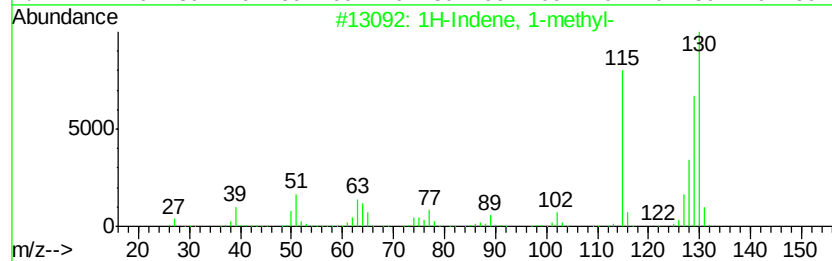
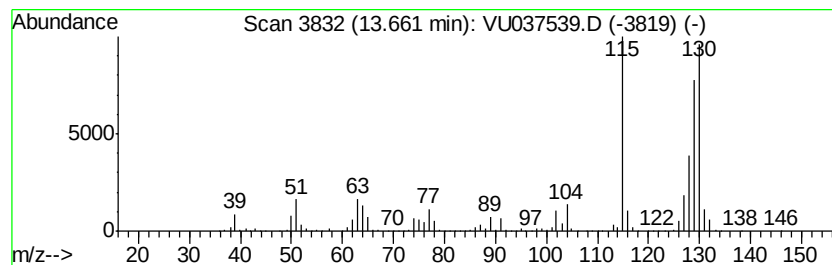
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 1H-Indene, 1-methyl- Concentration Rank 11

| R.T.  | EstConc   | Area    | Relative to ISTD       | R.T.  |
|-------|-----------|---------|------------------------|-------|
| 13.66 | 2.17 ug/L | 5129160 | 1,4-Dichlorobenzene-d4 | 11.83 |

| Hit# | of | Tentative ID                            | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 1-methyl-                    | 130 | C10H10  | 000767-59-9 | 96   |
| 2    |    | Benzene, (1-methyl-2-cyclopropen-1-yl)- | 130 | C10H10  | 065051-83-4 | 96   |
| 3    |    | 2-Methylindene                          | 130 | C10H10  | 002177-47-1 | 96   |
| 4    |    | Benzene, 1-butynyl-                     | 130 | C10H10  | 000622-76-4 | 95   |
| 5    |    | Benzene,1-methyl-1,2-propadienyl-       | 130 | C10H10  | 022433-39-2 | 95   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU040120\  
Data File : VU037539.D  
Acq On : 01 Apr 2020 22:54  
Operator : JC/MD  
Sample : L2065-18  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBF14

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR040120WMA.M  
Quant Title : TRACE VOA SOM01.0

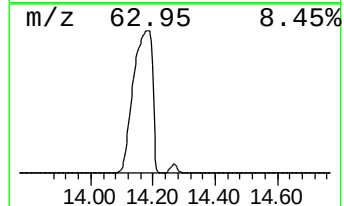
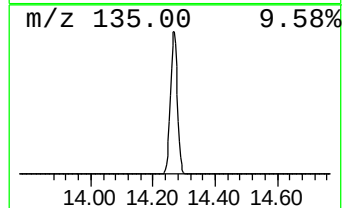
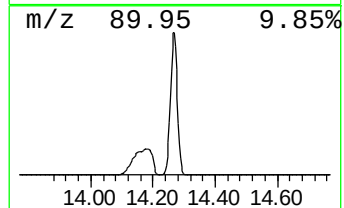
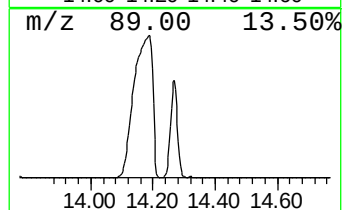
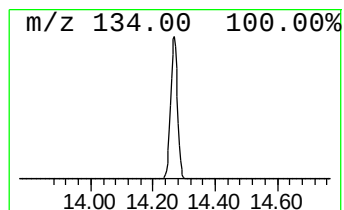
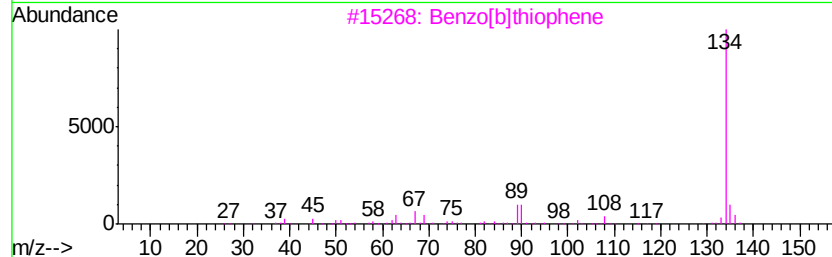
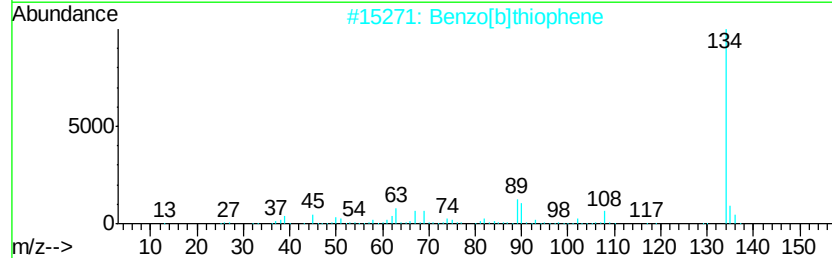
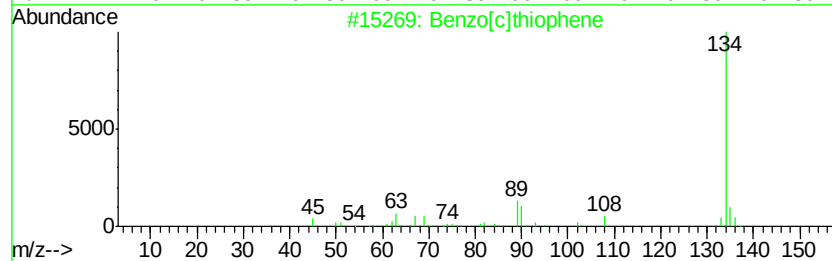
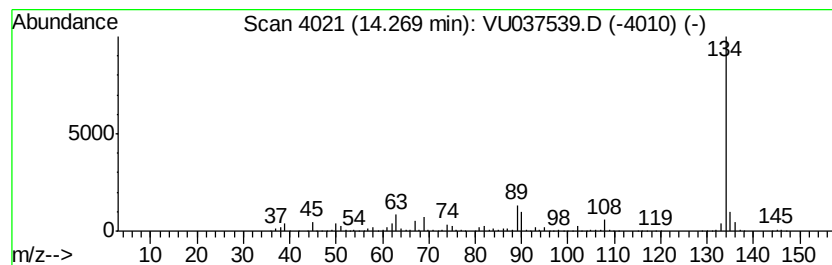
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Benzo[c]thiophene Concentration Rank 13

| R.T.  | EstConc   | Area    | Relative to ISTD       | R.T.  |
|-------|-----------|---------|------------------------|-------|
| 14.27 | 1.95 ug/L | 4610180 | 1,4-Dichlorobenzene-d4 | 11.83 |

| 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 | 95   |
| 3    |    | Benzo[b]thiophene      | 134 | C8H6S   | 000095-15-8 | 94   |
| 4    |    | Benzo[b]thiophene      | 134 | C8H6S   | 000095-15-8 | 94   |
| 5    |    | Cyclopenta[c]thiapyran | 134 | C8H6S   | 000270-63-3 | 90   |





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040120\  
Data File : VU037539.D  
Acq On : 01 Apr 2020 22:54  
Operator : JC/MD  
Sample : L2065-18  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBF14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR040120WMA.M  
Quant Title : TRACE VOA SOM01.0

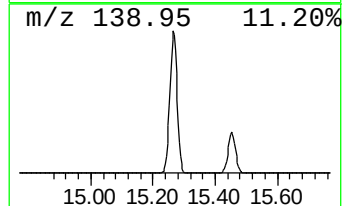
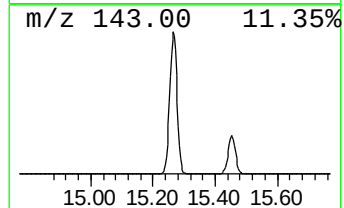
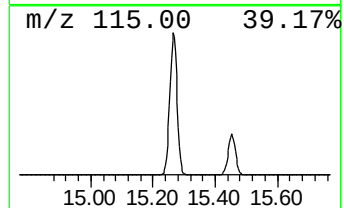
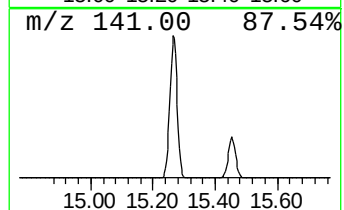
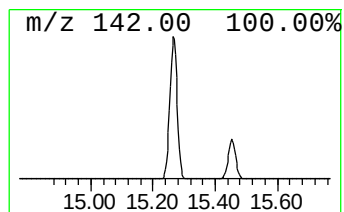
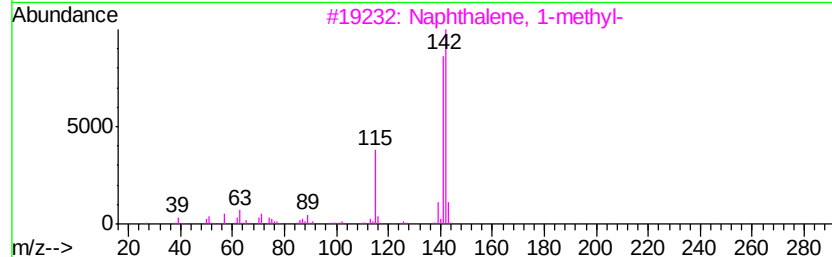
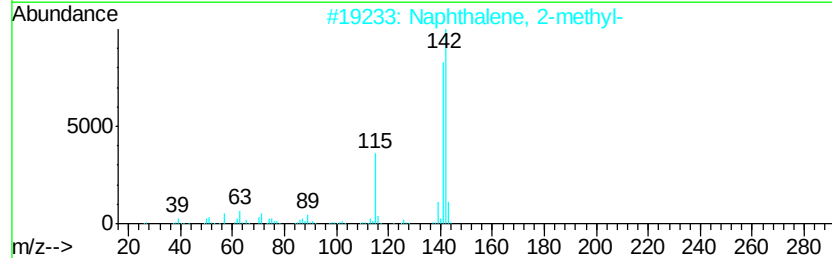
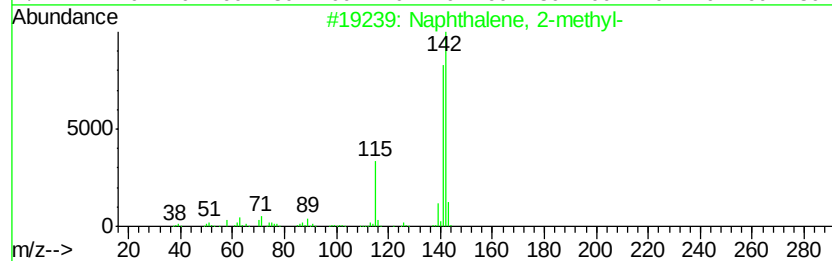
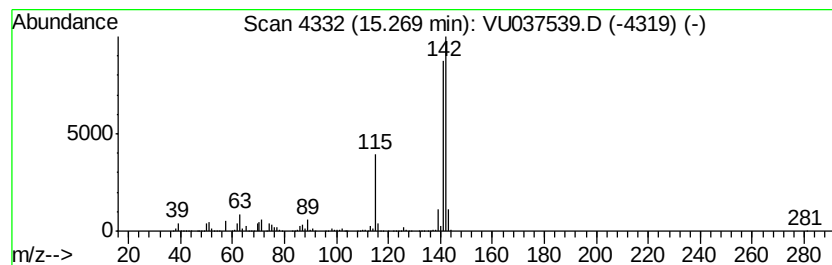
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Naphthalene, 1-methyl- Concentration Rank 7

| R.T.  | EstConc   | Area    | Relative to ISTD       | R.T.  |
|-------|-----------|---------|------------------------|-------|
| 15.27 | 2.81 ug/L | 6644970 | 1,4-Dichlorobenzene-d4 | 11.83 |

| 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    |    | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 94   |
| 5    |    | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 94   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU040120\  
 Data File : VU037539.D  
 Acq On : 01 Apr 2020 22:54  
 Operator : JC/MD  
 Sample : L2065-18  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBF14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR040120WMA.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 |
| Benzene, 1-ethyl-... | 11.02 | 2.6     | ug/L  | 6083900  | 3                     | 11.83 | 11838500 | 5.0  |
| Benzene, 1,2,3-tr... | 11.11 | 2.4     | ug/L  | 5651790  | 3                     | 11.83 | 11838500 | 5.0  |
| Cyclohexane, 1-me... | 11.18 | 1.1     | ug/L  | 2708410  | 3                     | 11.83 | 11838500 | 5.0  |
| Mesitylene           | 11.49 | 4.9     | ug/L  | 11705300 | 3                     | 11.83 | 11838500 | 5.0  |
| Benzene, 1-etheny... | 11.56 | 1.7     | ug/L  | 3957860  | 3                     | 11.83 | 11838500 | 5.0  |
| Benzofuran           | 11.75 | 2.5     | ug/L  | 5825880  | 3                     | 11.83 | 11838500 | 5.0  |
| Indane               | 12.12 | 13.7    | ug/L  | 32461600 | 3                     | 11.83 | 11838500 | 5.0  |
| Indene               | 12.34 | 19.2    | ug/L  | 45520600 | 3                     | 11.83 | 11838500 | 5.0  |
| Benzofuran, 2-met... | 12.95 | 1.5     | ug/L  | 3548160  | 3                     | 11.83 | 11838500 | 5.0  |
| 1H-Indene, 2,3-di... | 13.32 | 1.6     | ug/L  | 3773680  | 3                     | 11.83 | 11838500 | 5.0  |
| Benzene, 2-etheny... | 13.49 | 2.0     | ug/L  | 4796820  | 3                     | 11.83 | 11838500 | 5.0  |
| Cyclohexanemethan... | 13.56 | 7.5     | ug/L  | 17722500 | 3                     | 11.83 | 11838500 | 5.0  |
| 1H-Indene, 1-methyl- | 13.66 | 2.2     | ug/L  | 5129160  | 3                     | 11.83 | 11838500 | 5.0  |
| Benzo[c]thiophene    | 14.27 | 2.0     | ug/L  | 4610180  | 3                     | 11.83 | 11838500 | 5.0  |
| Naphthalene, 1-me... | 15.27 | 2.8     | ug/L  | 6644970  | 3                     | 11.83 | 11838500 | 5.0  |