

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX091818\  
 Data File : VX004657.D  
 Acq On : 18 Sep 2018 14:56  
 Operator : JC/MD  
 Sample : J4919-01 50X  
 Misc : 4.51g/5mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ROLLOFF-03\_COMP\_FILL

Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 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\_X\METHOD\82X091118W.M  
 Title : SW846 8260

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         | 5.501       | 701           | 713         | 728          | rBV      | 145502         | 404376        | 2.88%           | 1.126%        |
| 2         | 5.665       | 728           | 740         | 755          | rVB      | 213965         | 597462        | 4.25%           | 1.663%        |
| 3         | 6.068       | 795           | 806         | 812          | rBV2     | 154419         | 392393        | 2.79%           | 1.092%        |
| 4         | 6.147       | 812           | 819         | 835          | rVB3     | 275058         | 717483        | 5.11%           | 1.997%        |
| 5         | 6.860       | 926           | 936         | 957          | rBV      | 318465         | 759454        | 5.41%           | 2.114%        |
| 6         | 8.713       | 1233          | 1240        | 1246         | rBV      | 720112         | 1135939       | 8.09%           | 3.162%        |
| 7         | 8.787       | 1246          | 1252        | 1263         | rVB      | 646287         | 986496        | 7.02%           | 2.746%        |
| 8         | 10.116      | 1464          | 1470        | 1487         | rBV      | 652801         | 867437        | 6.18%           | 2.415%        |
| 9         | 10.256      | 1487          | 1493        | 1502         | rVB      | 139348         | 188481        | 1.34%           | 0.525%        |
| 10        | 10.359      | 1502          | 1510        | 1517         | rBV      | 577844         | 784422        | 5.59%           | 2.184%        |
| 11        | 10.701      | 1561          | 1566        | 1577         | rVB3     | 249676         | 414306        | 2.95%           | 1.153%        |
| 12        | 11.140      | 1632          | 1638        | 1651         | rBV      | 669353         | 841715        | 5.99%           | 2.343%        |
| 13        | 11.506      | 1693          | 1698        | 1710         | rVB      | 117858         | 166789        | 1.19%           | 0.464%        |
| 14        | 11.810      | 1742          | 1748        | 1752         | rBV      | 258188         | 318796        | 2.27%           | 0.888%        |
| 15        | 11.865      | 1752          | 1757        | 1760         | rBV      | 120581         | 144593        | 1.03%           | 0.403%        |
| 16        | 12.018      | 1775          | 1782        | 1787         | rBV      | 230245         | 303059        | 2.16%           | 0.844%        |
| 17        | 12.079      | 1787          | 1792        | 1798         | rVB      | 877859         | 1064991       | 7.58%           | 2.965%        |
| 18        | 12.469      | 1846          | 1856        | 1863         | rBV      | 1508545        | 1877899       | 13.37%          | 5.228%        |
| 19        | 13.024      | 1942          | 1947        | 1951         | rBV      | 240372         | 342487        | 2.44%           | 0.953%        |
| 20        | 13.402      | 2004          | 2009        | 2014         | rBV      | 244656         | 282178        | 2.01%           | 0.786%        |
| 21        | 13.481      | 2017          | 2022        | 2027         | rBV      | 257201         | 340582        | 2.43%           | 0.948%        |
| 22        | 13.841      | 2069          | 2081        | 2086         | rBV      | 10894276       | 14043096      | 100.00%         | 39.095%       |
| 23        | 13.932      | 2091          | 2096        | 2102         | rVB      | 288027         | 422433        | 3.01%           | 1.176%        |
| 24        | 14.700      | 2217          | 2222        | 2231         | rVB      | 2547700        | 3165263       | 22.54%          | 8.812%        |
| 25        | 14.840      | 2240          | 2245        | 2256         | rVB      | 1331139        | 1629755       | 11.61%          | 4.537%        |
| 26        | 15.273      | 2306          | 2316        | 2322         | rBV      | 315081         | 440146        | 3.13%           | 1.225%        |
| 27        | 15.548      | 2355          | 2361        | 2373         | rVB      | 389559         | 651591        | 4.64%           | 1.814%        |
| 28        | 15.694      | 2373          | 2385        | 2388         | rVV      | 425726         | 736936        | 5.25%           | 2.052%        |
| 29        | 15.724      | 2388          | 2390        | 2397         | rVB      | 279334         | 390556        | 2.78%           | 1.087%        |
| 30        | 15.913      | 2411          | 2421        | 2432         | rBV      | 138173         | 342565        | 2.44%           | 0.954%        |
| 31        | 16.176      | 2457          | 2464        | 2472         | rVB      | 528905         | 924455        | 6.58%           | 2.574%        |
| 32        | 16.419      | 2495          | 2504        | 2513         | rBV2     | 114076         | 241965        | 1.72%           | 0.674%        |

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ClientSampleId :  
ROLLOFF-03\_COMP\_FILL

Integration Parameters: RTEINT.P  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 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\_X\METHOD\82X091118W.M  
Title : SW846 8260

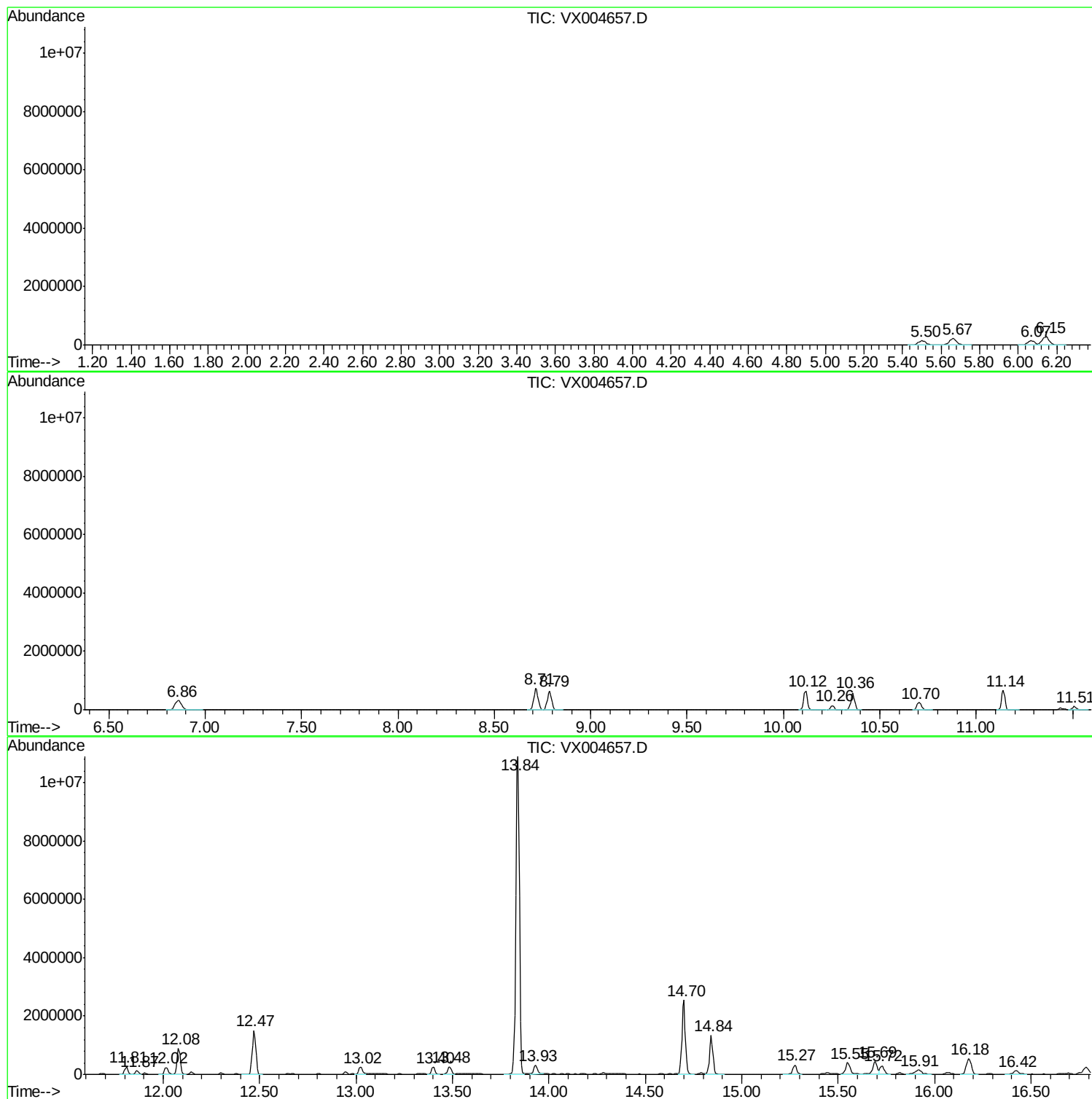
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091118W.M  
Quant Title : SW846 8260

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



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ALS Vial : 14 Sample Multiplier: 1

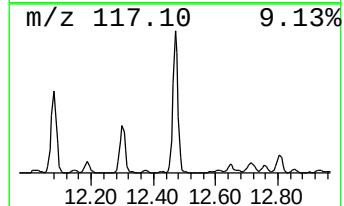
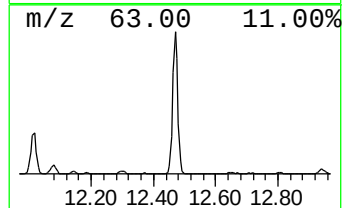
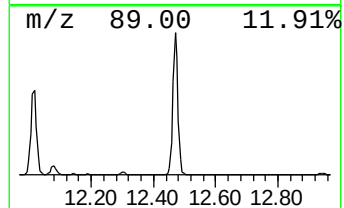
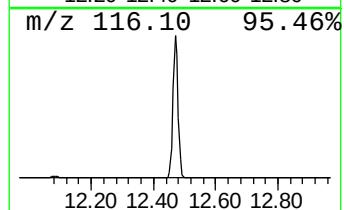
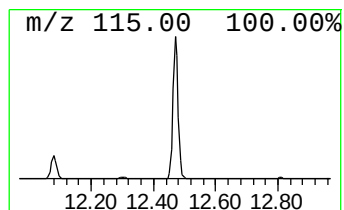
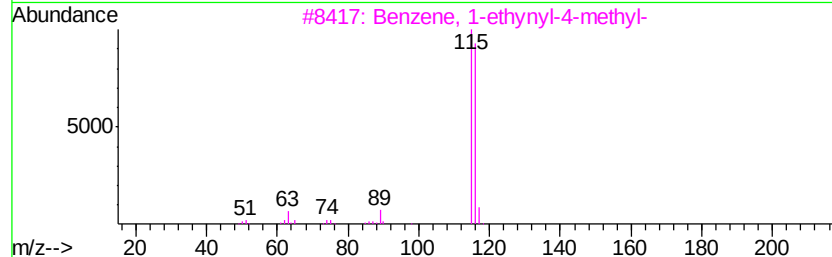
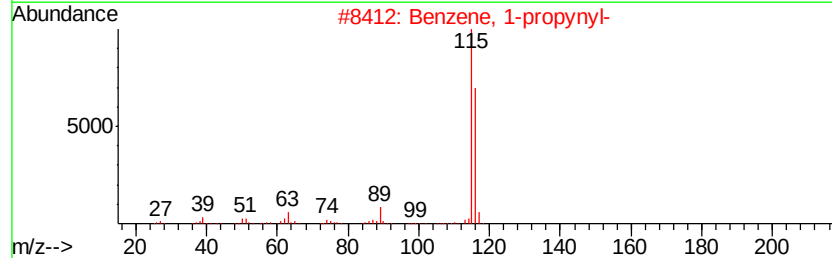
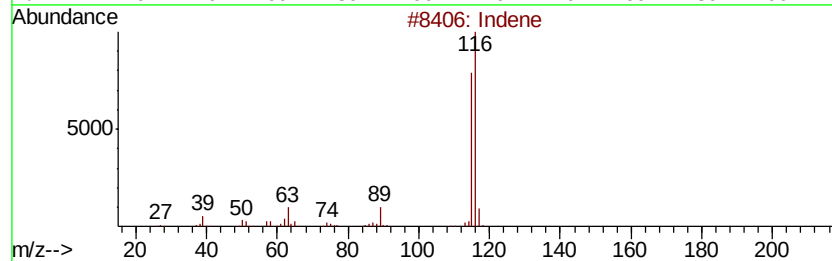
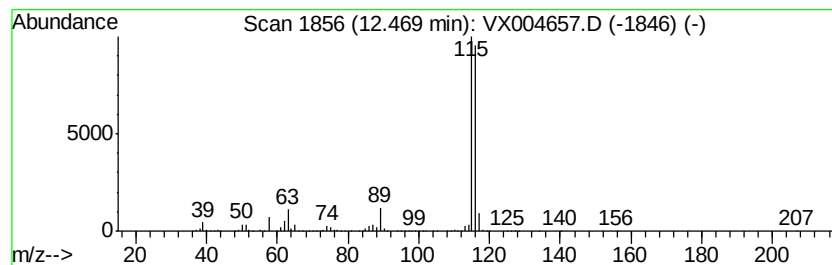
Instrument :  
MSVOA\_X  
ClientSampleId :  
ROLLOFF-03\_COMP\_FILL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091118W.M  
Quant Title : SW846 8260

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

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Peak Number 1 Indene Concentration Rank 2

| R.T.    | EstConc                      | Area         | Relative to ISTD       | R.T.           |
|---------|------------------------------|--------------|------------------------|----------------|
| 12.47   | 88.17 ug/l                   | 1877900      | 1,4-Dichlorobenzene-d4 | 12.08          |
| Hit# of | 5                            | Tentative ID | MW MolForm             | CAS# Qual      |
| 1       | Indene                       |              | 116 C9H8               | 000095-13-6 97 |
| 2       | Benzene, 1-propynyl-         |              | 116 C9H8               | 000673-32-5 94 |
| 3       | Benzene, 1-ethynyl-4-methyl- |              | 116 C9H8               | 000766-97-2 91 |
| 4       | 3-Methylphenylacetylene      |              | 116 C9H8               | 000766-82-5 91 |
| 5       | 2-Methylphenylacetylene      |              | 116 C9H8               | 000766-47-2 90 |



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ALS Vial : 14 Sample Multiplier: 1

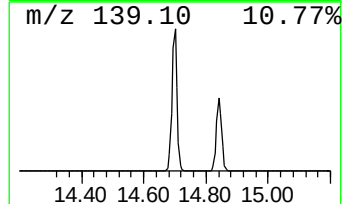
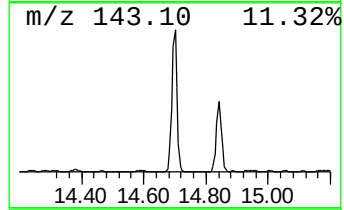
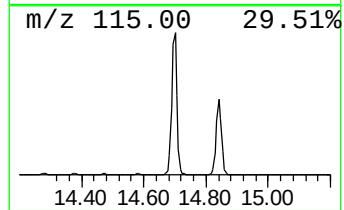
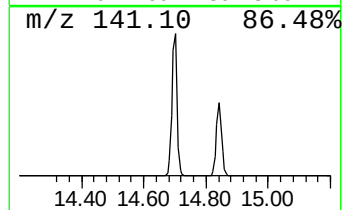
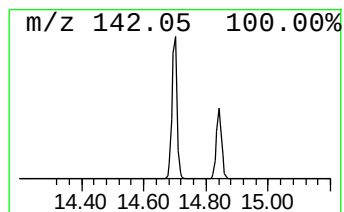
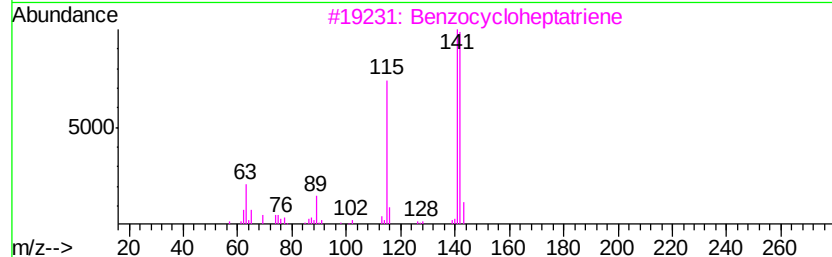
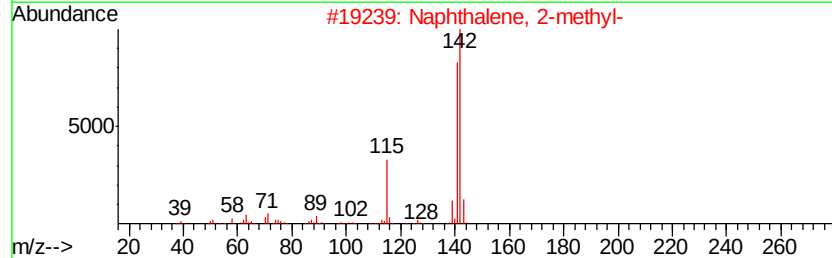
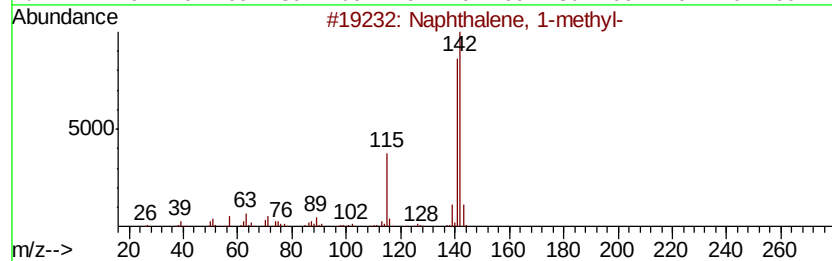
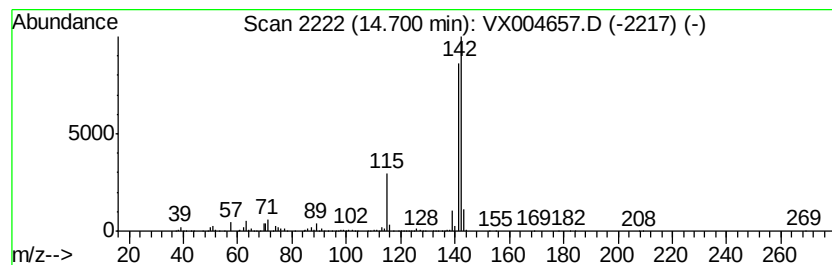
Instrument :  
MSVOA\_X  
ClientSampleId :  
ROLLOFF-03\_COMP\_FILL

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

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Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 1

| R.T.    | EstConc     | Area                                | Relative to ISTD       | R.T.           |
|---------|-------------|-------------------------------------|------------------------|----------------|
| 14.70   | 148.61 ug/l | 3165260                             | 1,4-Dichlorobenzene-d4 | 12.08          |
| Hit# of | 5           | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |             | Naphthalene, 1-methyl-              | 142 C11H10             | 000090-12-0 96 |
| 2       |             | Naphthalene, 2-methyl-              | 142 C11H10             | 000091-57-6 96 |
| 3       |             | Benzocycloheptatriene               | 142 C11H10             | 000264-09-5 91 |
| 4       |             | 1,4-Methanonaphthalene, 1,4-dihy... | 142 C11H10             | 004453-90-1 91 |
| 5       |             | 3,4-Difluorobenzaldehyde            | 142 C7H4F2O            | 034036-07-2 64 |



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ALS Vial : 14 Sample Multiplier: 1

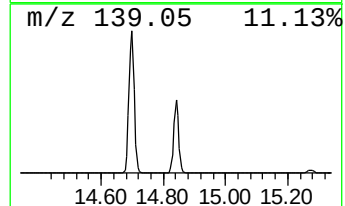
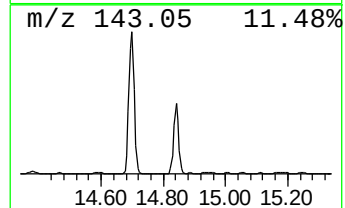
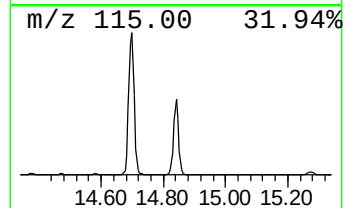
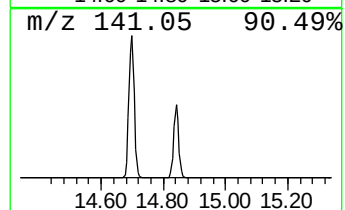
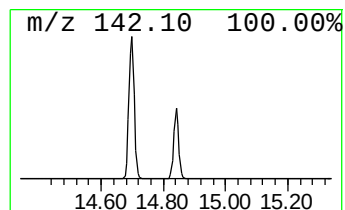
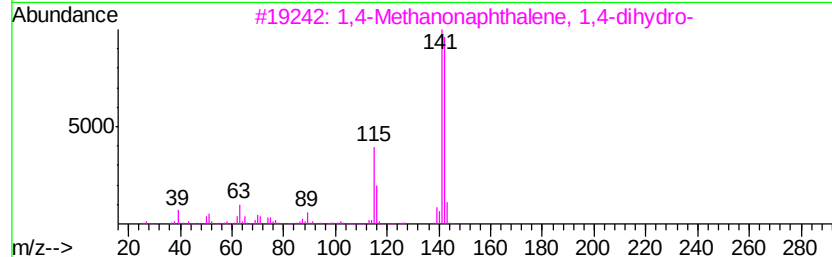
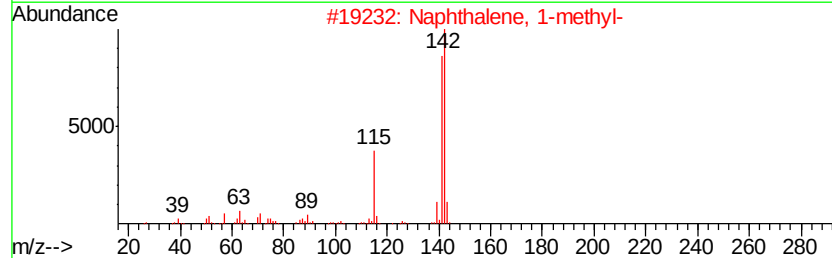
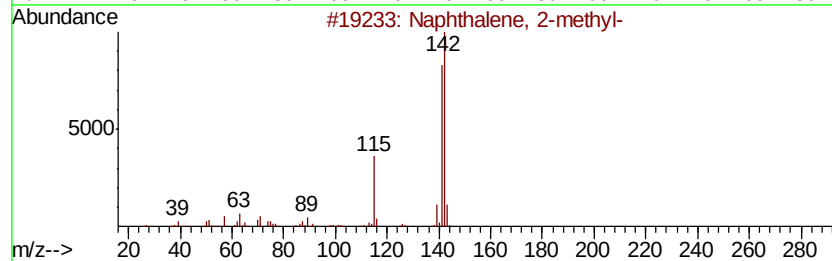
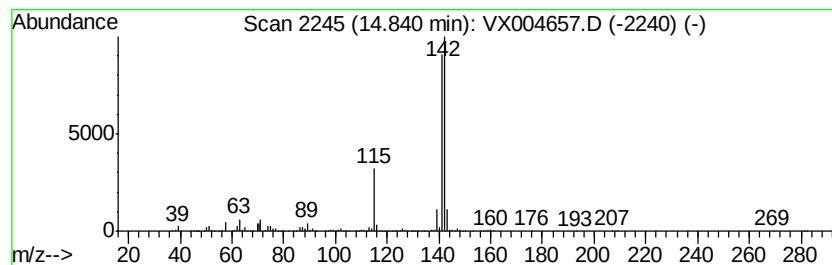
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Quant Title : SW846 8260

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

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Peak Number 4 1,4-Methanonaphthalene, 1,4... Concentration Rank 3

| R.T.      | EstConc                             | Area    | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|---------|------------------------|-------------|------|
| 14.84     | 76.52 ug/l                          | 1629760 | 1,4-Dichlorobenzene-d4 | 12.08       |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm                | CAS#        | Qual |
| 1         | Naphthalene, 2-methyl-              | 142     | C11H10                 | 000091-57-6 | 96   |
| 2         | Naphthalene, 1-methyl-              | 142     | C11H10                 | 000090-12-0 | 96   |
| 3         | 1,4-Methanonaphthalene, 1,4-dihv... | 142     | C11H10                 | 004453-90-1 | 91   |
| 4         | Benzocycloheptatriene               | 142     | C11H10                 | 000264-09-5 | 91   |
| 5         | 1H-Indene, 1-ethylidene-            | 142     | C11H10                 | 002471-83-2 | 46   |



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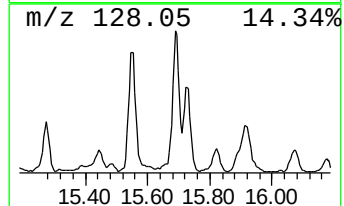
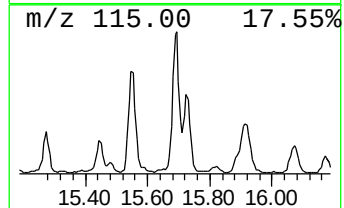
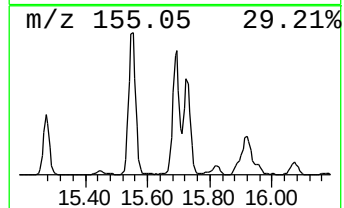
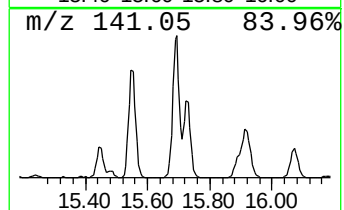
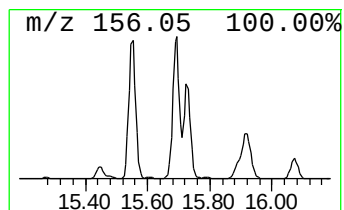
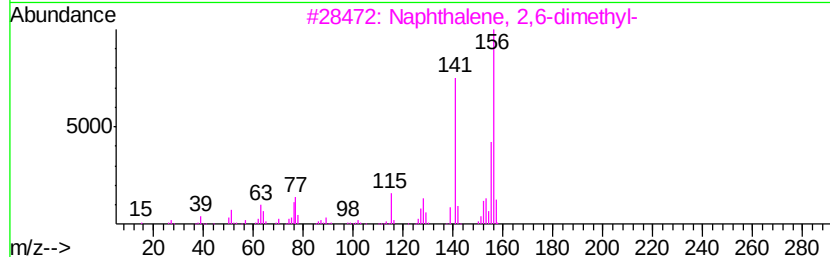
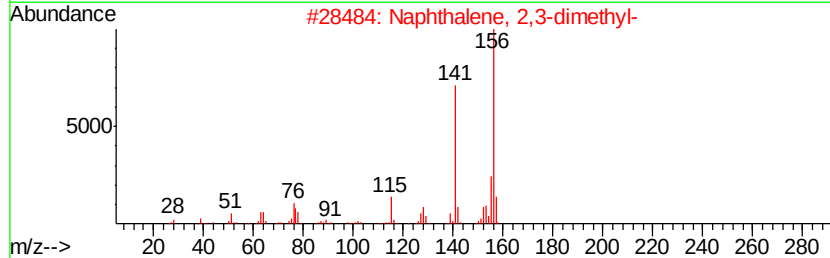
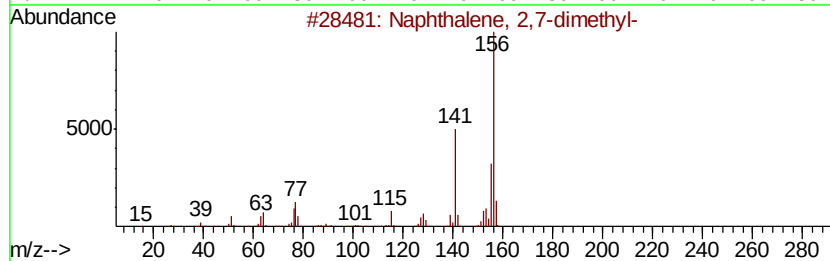
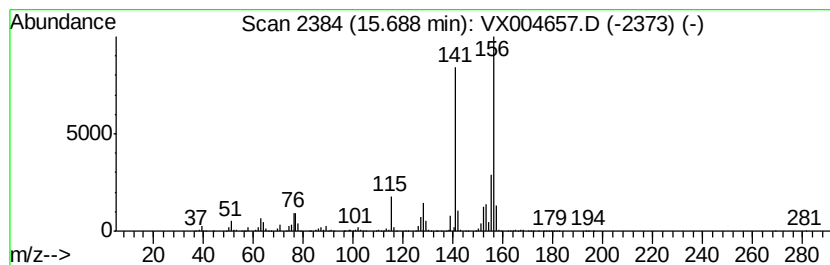
Instrument :  
MSVOA\_X  
ClientSampleId :  
ROLLOFF-03\_COMP\_FILL

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

\*\*\*\*\*  
Peak Number 7 Naphthalene, 2,7-dimethyl- Concentration Rank 5

| R.T.      | EstConc                    | Area   | Relative to ISTD       | R.T.        |      |
|-----------|----------------------------|--------|------------------------|-------------|------|
| 15.69     | 34.60 ug/l                 | 736936 | 1,4-Dichlorobenzene-d4 | 12.08       |      |
| Hit# of 5 | Tentative ID               | MW     | MolForm                | CAS#        | Qual |
| 1         | Naphthalene, 2,7-dimethyl- | 156    | C12H12                 | 000582-16-1 | 97   |
| 2         | Naphthalene, 2,3-dimethyl- | 156    | C12H12                 | 000581-40-8 | 97   |
| 3         | Naphthalene, 2,6-dimethyl- | 156    | C12H12                 | 000581-42-0 | 97   |
| 4         | Naphthalene, 1,4-dimethyl- | 156    | C12H12                 | 000571-58-4 | 97   |
| 5         | Naphthalene, 1,3-dimethyl- | 156    | C12H12                 | 000575-41-7 | 97   |



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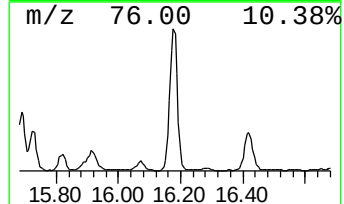
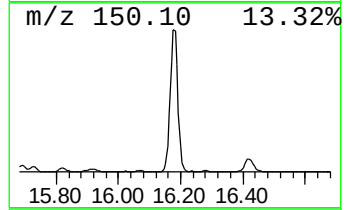
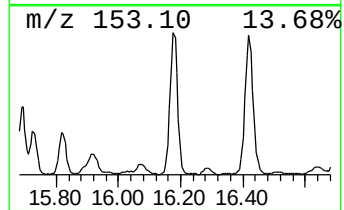
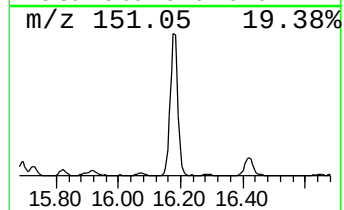
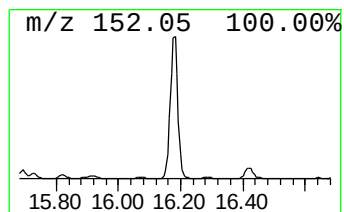
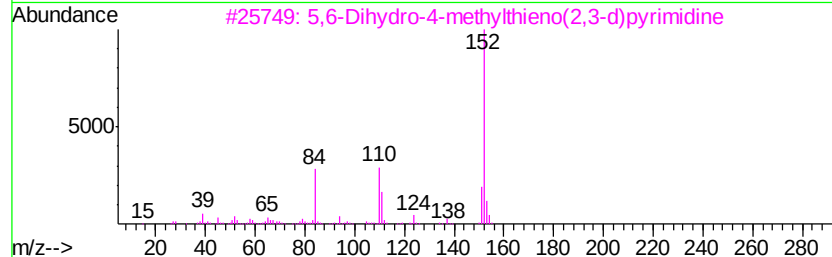
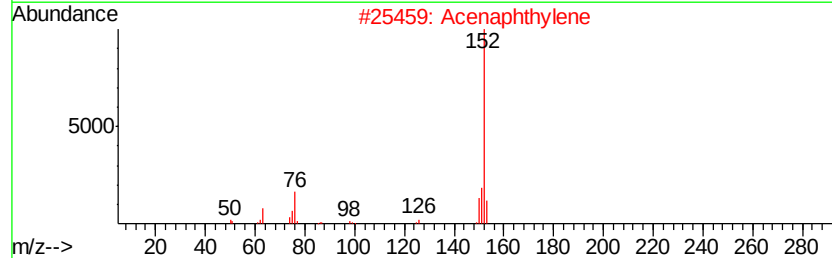
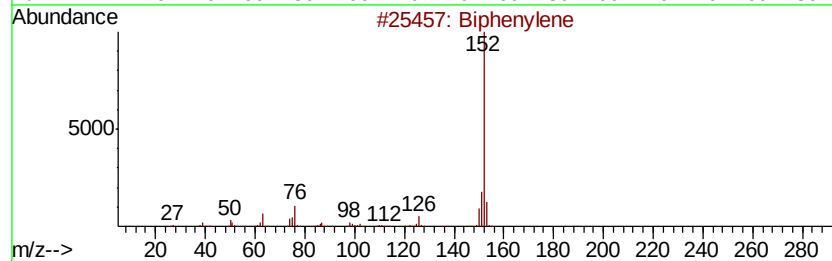
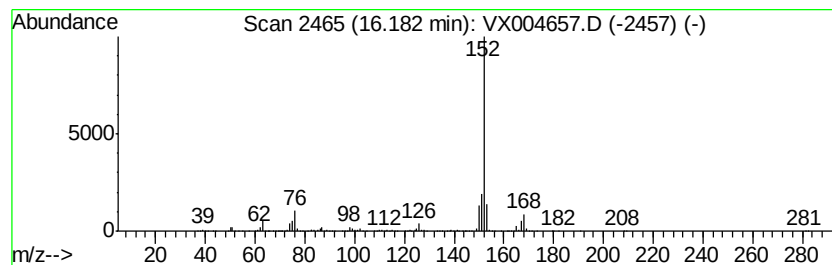
Instrument :  
MSVOA\_X  
ClientSampleId :  
ROLLOFF-03\_COMP\_FILL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091118W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 10 Biphenylene Concentration Rank 4

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.            |
|---------|------------|-------------------------------------|------------------------|-----------------|
| 16.18   | 43.40 ug/l | 924455                              | 1,4-Dichlorobenzene-d4 | 12.08           |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual       |
| 1       |            | Biphenylene                         | 152 C12H8              | 000259-79-0 93  |
| 2       |            | Acenaphthylene                      | 152 C12H8              | 000208-96-8 81  |
| 3       |            | 5,6-Dihydro-4-methylthieno(2,3-d... | 152 C7H8N2S            | 092204-06-3 53  |
| 4       |            | Benzaldehyde, 2-hydroxy-3-methoxy-  | 152 C8H8O3             | 000148-53-8 45  |
| 5       |            | 1-acenaphthenol, trifluoroacetat... | 266 C14H9F3O2          | 1000376-45-2 43 |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091818\  
Data File : VX004657.D  
Acq On : 18 Sep 2018 14:56  
Operator : JC/MD  
Sample : J4919-01 50X  
Misc : 4.51g/5mL/100uL/5.0mL/MSVOA\_X/MEOH  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ROLLOFF-03\_COMP\_FILL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091118W.M  
Quant Title : SW846 8260

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Indene               | 12.47 | 88.2    | ug/l  | 1877900  | 4                     | 12.08 | 1064990 | 50.0 |
| Naphthalene, 1-me... | 14.70 | 148.6   | ug/l  | 3165260  | 4                     | 12.08 | 1064990 | 50.0 |
| 1,4-Methanonaphth... | 14.84 | 76.5    | ug/l  | 1629760  | 4                     | 12.08 | 1064990 | 50.0 |
| Naphthalene, 2,7-... | 15.69 | 34.6    | ug/l  | 736936   | 4                     | 12.08 | 1064990 | 50.0 |
| Biphenylene          | 16.18 | 43.4    | ug/l  | 924455   | 4                     | 12.08 | 1064990 | 50.0 |