

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060618\  
 Data File : VX002358.D  
 Acq On : 06 Jun 2018 17:42  
 Operator : JC/MD  
 Sample : J3312-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 W-17

## 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\82X060418W.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         | 1.075       | 76            | 80          | 93           | rBV      | 964696         | 1239840       | 96.01%          | 7.169%        |
| 2         | 1.270       | 108           | 112         | 120          | rBV      | 54242          | 76643         | 5.94%           | 0.443%        |
| 3         | 1.624       | 159           | 170         | 174          | rBV7     | 14965          | 39651         | 3.07%           | 0.229%        |
| 4         | 5.507       | 794           | 807         | 816          | rBV      | 147841         | 421640        | 32.65%          | 2.438%        |
| 5         | 5.666       | 824           | 833         | 847          | rVB      | 233804         | 652315        | 50.51%          | 3.772%        |
| 6         | 6.074       | 888           | 900         | 919          | rBV      | 169435         | 441904        | 34.22%          | 2.555%        |
| 7         | 6.867       | 1019          | 1030        | 1040         | rBV      | 343141         | 805794        | 62.40%          | 4.659%        |
| 8         | 7.464       | 1121          | 1128        | 1135         | rVB2     | 11230          | 26340         | 2.04%           | 0.152%        |
| 9         | 8.720       | 1327          | 1334        | 1343         | rBV      | 835755         | 1291360       | 100.00%         | 7.467%        |
| 10        | 10.031      | 1539          | 1549        | 1556         | rBV7     | 5987           | 14515         | 1.12%           | 0.084%        |
| 11        | 10.116      | 1557          | 1563        | 1571         | rBV      | 731091         | 972253        | 75.29%          | 5.622%        |
| 12        | 10.342      | 1594          | 1600        | 1610         | rBV5     | 16533          | 31344         | 2.43%           | 0.181%        |
| 13        | 10.665      | 1642          | 1653        | 1657         | rBV5     | 10299          | 25019         | 1.94%           | 0.145%        |
| 14        | 11.024      | 1707          | 1712        | 1716         | rBV      | 126842         | 165273        | 12.80%          | 0.956%        |
| 15        | 11.140      | 1726          | 1731        | 1736         | rBV      | 741872         | 920778        | 71.30%          | 5.324%        |
| 16        | 11.183      | 1736          | 1738        | 1743         | rVB5     | 12064          | 16032         | 1.24%           | 0.093%        |
| 17        | 11.366      | 1760          | 1768        | 1776         | rBV      | 53154          | 74625         | 5.78%           | 0.432%        |
| 18        | 11.677      | 1815          | 1819        | 1827         | rVB8     | 8475           | 16636         | 1.29%           | 0.096%        |
| 19        | 11.774      | 1827          | 1835        | 1839         | rBV      | 85117          | 109201        | 8.46%           | 0.631%        |
| 20        | 11.927      | 1853          | 1860        | 1861         | rBV      | 52045          | 67557         | 5.23%           | 0.391%        |
| 21        | 11.951      | 1861          | 1864        | 1869         | rVB      | 127936         | 152267        | 11.79%          | 0.880%        |
| 22        | 12.079      | 1880          | 1885        | 1898         | rVB      | 850694         | 1094642       | 84.77%          | 6.330%        |
| 23        | 12.238      | 1906          | 1911        | 1916         | rVB      | 30051          | 37647         | 2.92%           | 0.218%        |
| 24        | 12.305      | 1916          | 1922        | 1927         | rBV      | 331174         | 412964        | 31.98%          | 2.388%        |
| 25        | 12.372      | 1928          | 1933        | 1942         | rVB2     | 72534          | 122915        | 9.52%           | 0.711%        |
| 26        | 12.463      | 1942          | 1948        | 1956         | rBV      | 150876         | 190188        | 14.73%          | 1.100%        |
| 27        | 12.670      | 1974          | 1982        | 1985         | rBV      | 529506         | 648133        | 50.19%          | 3.748%        |
| 28        | 12.707      | 1985          | 1988        | 1992         | rVV      | 211254         | 270405        | 20.94%          | 1.564%        |
| 29        | 12.762      | 1992          | 1997        | 2004         | rVV      | 598376         | 829434        | 64.23%          | 4.796%        |
| 30        | 12.823      | 2004          | 2007        | 2012         | rVV      | 36211          | 46301         | 3.59%           | 0.268%        |
| 31        | 12.902      | 2012          | 2020        | 2025         | rVB      | 104621         | 157019        | 12.16%          | 0.908%        |
| 32        | 12.981      | 2025          | 2033        | 2038         | rBV      | 403379         | 513847        | 39.79%          | 2.971%        |
| 33        | 13.030      | 2038          | 2041        | 2046         | rVB      | 14708          | 19027         | 1.47%           | 0.110%        |
| 34        | 13.091      | 2046          | 2051        | 2057         | rVB2     | 62413          | 89171         | 6.91%           | 0.516%        |

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 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 W-17

## 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\82X060418W.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 13.152 | 2057 | 2061 | 2065 | rBV  | 45984  | 65898   | 5.10%  | 0.381% |
| 36 | 13.201 | 2065 | 2069 | 2071 | rVV2 | 70792  | 90565   | 7.01%  | 0.524% |
| 37 | 13.231 | 2071 | 2074 | 2076 | rVV  | 64723  | 83215   | 6.44%  | 0.481% |
| 38 | 13.256 | 2076 | 2078 | 2082 | rVB  | 60489  | 63711   | 4.93%  | 0.368% |
| 39 | 13.317 | 2082 | 2088 | 2089 | rBV2 | 37869  | 50823   | 3.94%  | 0.294% |
| 40 | 13.353 | 2089 | 2094 | 2100 | rVV2 | 821556 | 1159680 | 89.80% | 6.706% |
| 41 | 13.408 | 2100 | 2103 | 2105 | rVV2 | 35559  | 44746   | 3.47%  | 0.259% |
| 42 | 13.426 | 2105 | 2106 | 2109 | rVV  | 23823  | 25414   | 1.97%  | 0.147% |
| 43 | 13.487 | 2113 | 2116 | 2122 | rVB2 | 30795  | 39835   | 3.08%  | 0.230% |
| 44 | 13.573 | 2122 | 2130 | 2132 | rBV3 | 24735  | 43200   | 3.35%  | 0.250% |
| 45 | 13.603 | 2132 | 2135 | 2138 | rVV  | 65668  | 87059   | 6.74%  | 0.503% |
| 46 | 13.646 | 2138 | 2142 | 2145 | rVV2 | 128607 | 181193  | 14.03% | 1.048% |
| 47 | 13.707 | 2145 | 2152 | 2153 | rVV4 | 104458 | 216090  | 16.73% | 1.250% |
| 48 | 13.725 | 2153 | 2155 | 2164 | rVB2 | 186219 | 256362  | 19.85% | 1.482% |
| 49 | 13.811 | 2164 | 2169 | 2172 | rBV  | 61377  | 83854   | 6.49%  | 0.485% |
| 50 | 13.853 | 2172 | 2176 | 2182 | rVB2 | 42858  | 76261   | 5.91%  | 0.441% |
| 51 | 13.914 | 2182 | 2186 | 2191 | rVB  | 65392  | 80938   | 6.27%  | 0.468% |
| 52 | 13.993 | 2191 | 2199 | 2202 | rBV2 | 97845  | 157760  | 12.22% | 0.912% |
| 53 | 14.030 | 2202 | 2205 | 2209 | rVV2 | 59836  | 77733   | 6.02%  | 0.449% |
| 54 | 14.134 | 2218 | 2222 | 2225 | rBV2 | 44520  | 61270   | 4.74%  | 0.354% |
| 55 | 14.164 | 2225 | 2227 | 2232 | rVB  | 54511  | 66246   | 5.13%  | 0.383% |
| 56 | 14.243 | 2233 | 2240 | 2241 | rBV7 | 8811   | 18138   | 1.40%  | 0.105% |
| 57 | 14.280 | 2241 | 2246 | 2252 | rVV2 | 99337  | 198841  | 15.40% | 1.150% |
| 58 | 14.384 | 2259 | 2263 | 2266 | rVB  | 39821  | 48855   | 3.78%  | 0.282% |
| 59 | 14.432 | 2266 | 2271 | 2276 | rVB2 | 66483  | 93150   | 7.21%  | 0.539% |
| 60 | 14.481 | 2276 | 2279 | 2284 | rVB3 | 21623  | 30908   | 2.39%  | 0.179% |
| 61 | 14.542 | 2284 | 2289 | 2295 | rBV2 | 164568 | 233289  | 18.07% | 1.349% |
| 62 | 14.676 | 2303 | 2311 | 2313 | rBV6 | 22888  | 46355   | 3.59%  | 0.268% |
| 63 | 14.701 | 2313 | 2315 | 2317 | rVV2 | 18326  | 17895   | 1.39%  | 0.103% |
| 64 | 14.737 | 2317 | 2321 | 2325 | rVV2 | 44063  | 54843   | 4.25%  | 0.317% |
| 65 | 14.786 | 2326 | 2329 | 2333 | rVB2 | 19428  | 24898   | 1.93%  | 0.144% |
| 66 | 14.847 | 2333 | 2339 | 2347 | rBV  | 707525 | 944835  | 73.17% | 5.463% |
| 67 | 14.987 | 2353 | 2362 | 2366 | rBV7 | 14777  | 34254   | 2.65%  | 0.198% |
| 68 | 15.121 | 2380 | 2384 | 2392 | rVB8 | 10534  | 20848   | 1.61%  | 0.121% |
| 69 | 15.255 | 2400 | 2406 | 2413 | rVB3 | 27203  | 55469   | 4.30%  | 0.321% |
| 70 | 15.329 | 2413 | 2418 | 2425 | rBV2 | 20356  | 33398   | 2.59%  | 0.193% |
| 71 | 15.481 | 2440 | 2443 | 2447 | rVB2 | 28310  | 39299   | 3.04%  | 0.227% |

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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
W-17

## 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\82X060418W.M  
Title : SW846 8260

|    |        |      |      |      |      |       |        |        |        |
|----|--------|------|------|------|------|-------|--------|--------|--------|
| 72 | 15.554 | 2451 | 2455 | 2459 | rBV2 | 32146 | 46275  | 3.58%  | 0.268% |
| 73 | 15.603 | 2459 | 2463 | 2468 | rVB7 | 10762 | 21198  | 1.64%  | 0.123% |
| 74 | 15.694 | 2470 | 2478 | 2482 | rBV2 | 77188 | 137038 | 10.61% | 0.792% |
| 75 | 15.731 | 2482 | 2484 | 2491 | rVB  | 34199 | 48610  | 3.76%  | 0.281% |
| 76 | 15.816 | 2493 | 2498 | 2503 | rBV3 | 21440 | 39388  | 3.05%  | 0.228% |
| 77 | 15.896 | 2507 | 2511 | 2513 | rBV4 | 15897 | 25049  | 1.94%  | 0.145% |
| 78 | 15.926 | 2513 | 2516 | 2522 | rVB  | 22985 | 39276  | 3.04%  | 0.227% |
| 79 | 16.072 | 2535 | 2540 | 2548 | rBV  | 20378 | 37281  | 2.89%  | 0.216% |

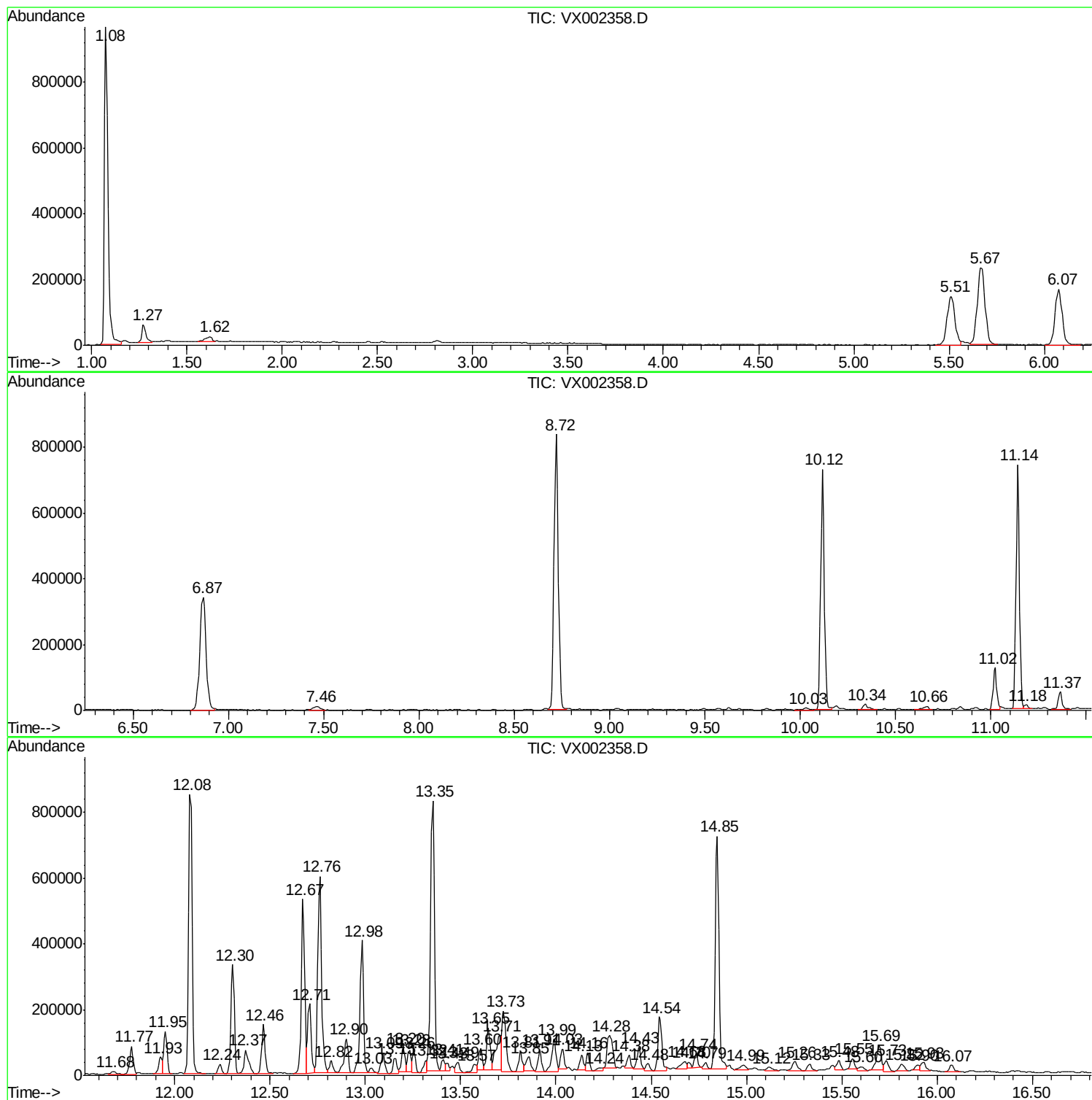
Sum of corrected areas: 17293923

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060618\  
Data File : VX002358.D  
Acq On : 06 Jun 2018 17:42  
Operator : JC/MD  
Sample : J3312-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
W-17

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060618\  
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Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 17 Sample Multiplier: 1

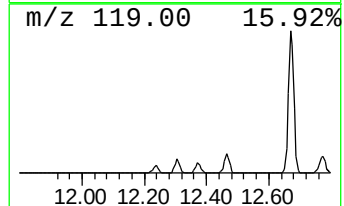
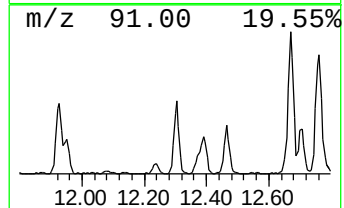
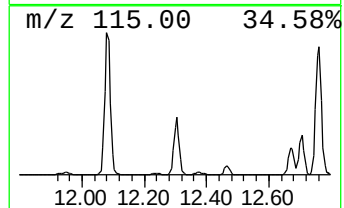
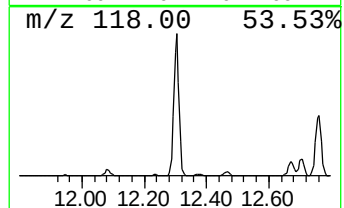
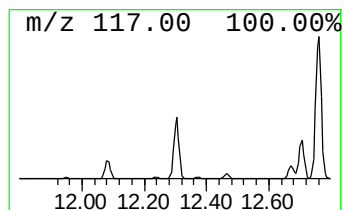
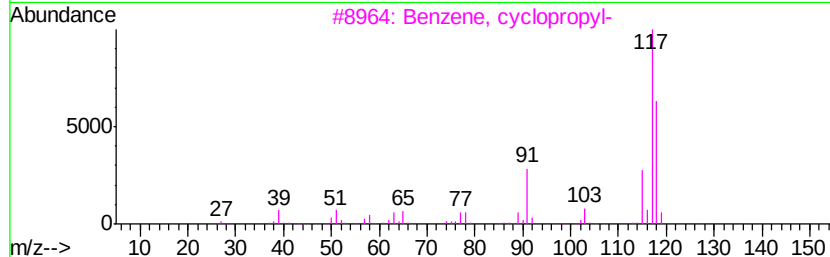
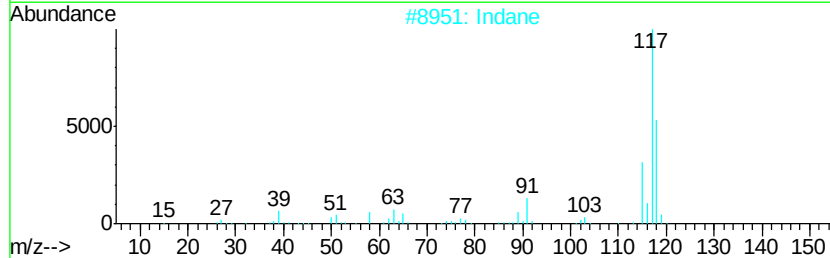
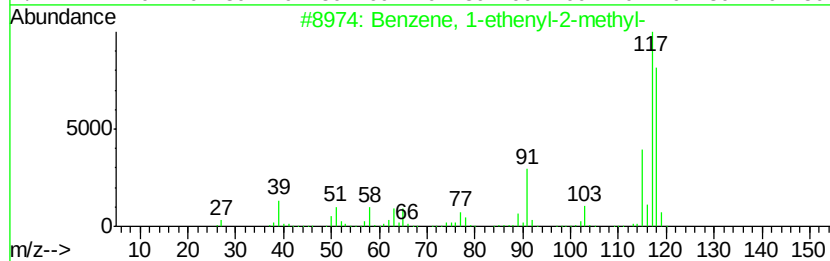
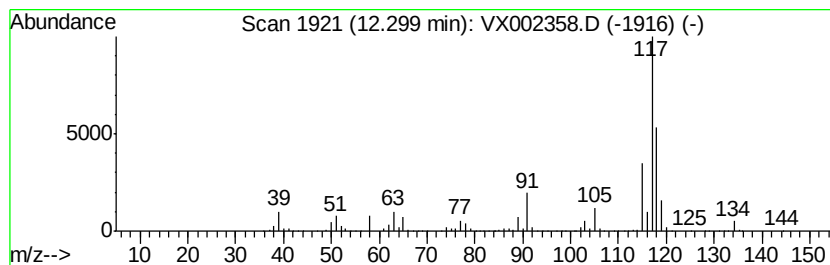
Instrument :  
MSVOA\_X  
ClientSampled :  
W-17

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260

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

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Peak Number 2 Benzene, 1-ethenyl-2-methyl- Concentration Rank 7

| R.T.      | EstConc                      | Area   | Relative to ISTD       | R.T.        |      |
|-----------|------------------------------|--------|------------------------|-------------|------|
| 12.30     | 18.86 ug/l                   | 412964 | 1,4-Dichlorobenzene-d4 | 12.09       |      |
| Hit# of 5 | Tentative ID                 | MW     | MolForm                | CAS#        | Qual |
| 1         | Benzene, 1-ethenyl-2-methyl- | 118    | C9H10                  | 000611-15-4 | 87   |
| 2         | Indane                       | 118    | C9H10                  | 000496-11-7 | 70   |
| 3         | Benzene, cyclopropyl-        | 118    | C9H10                  | 000873-49-4 | 70   |
| 4         | Benzene, 2-propenyl-         | 118    | C9H10                  | 000300-57-2 | 70   |
| 5         | Benzene, 1-propenyl-         | 118    | C9H10                  | 000637-50-3 | 55   |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260

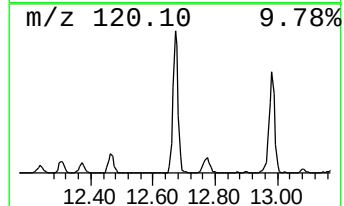
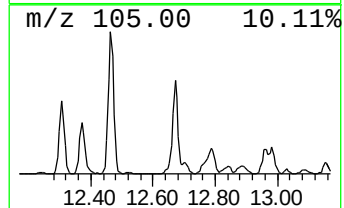
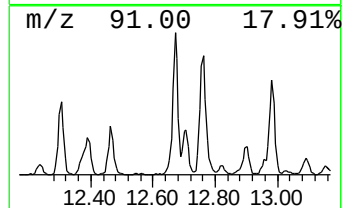
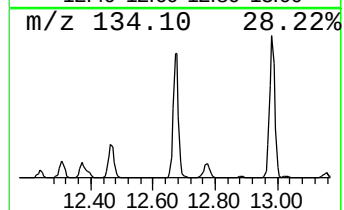
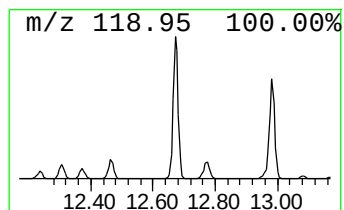
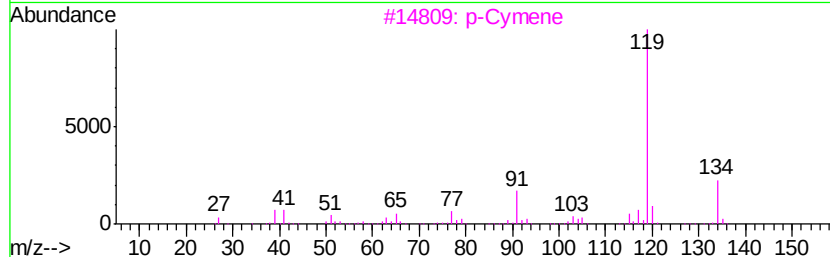
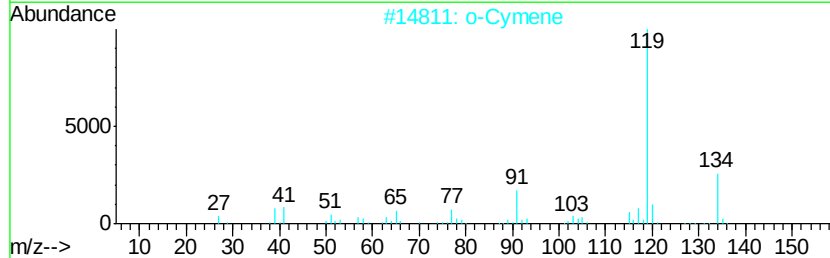
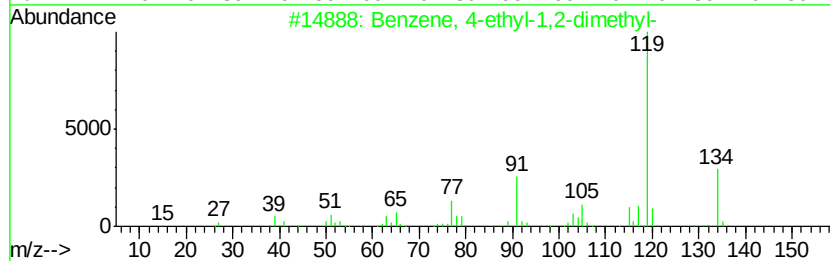
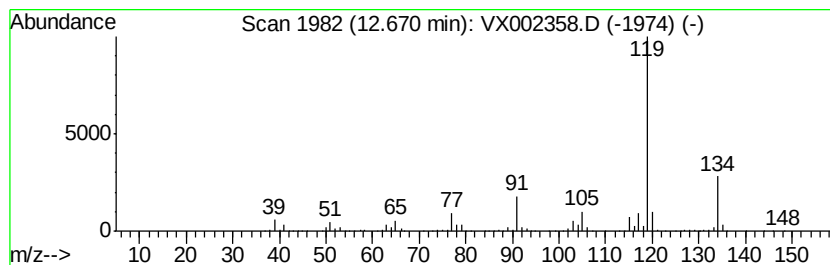
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 12.67 | 29.60 ug/l | 648133 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 96   |
| 2    |    | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 95   |
| 3    |    | p-Cymene                       | 134 | C10H14  | 000099-87-6 | 95   |
| 4    |    | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 95   |
| 5    |    | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 95   |



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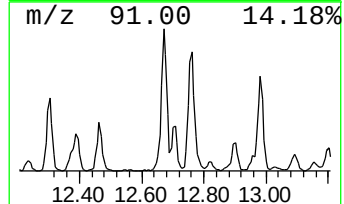
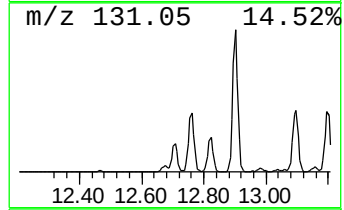
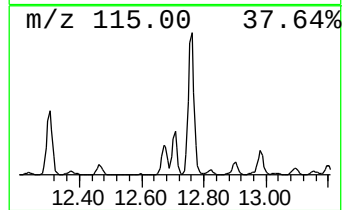
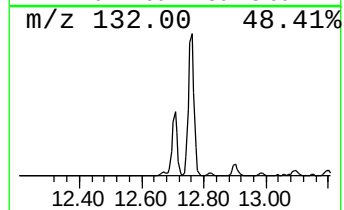
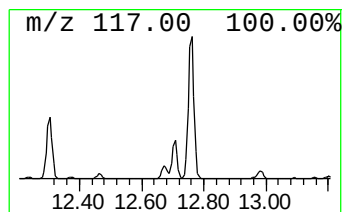
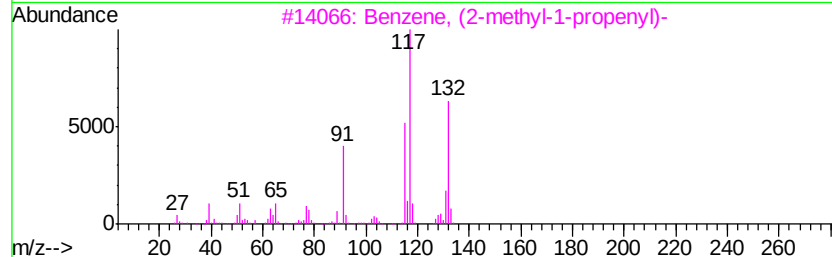
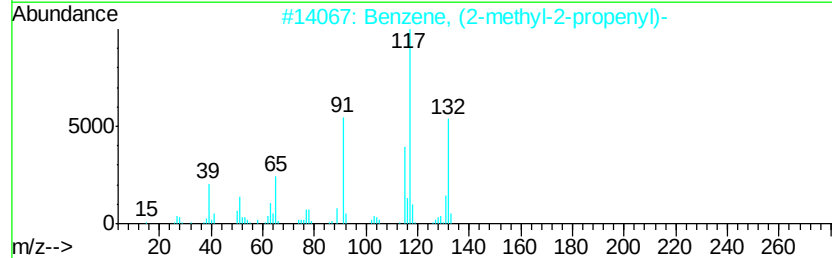
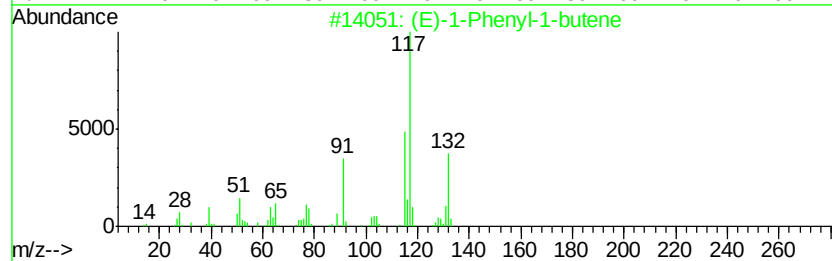
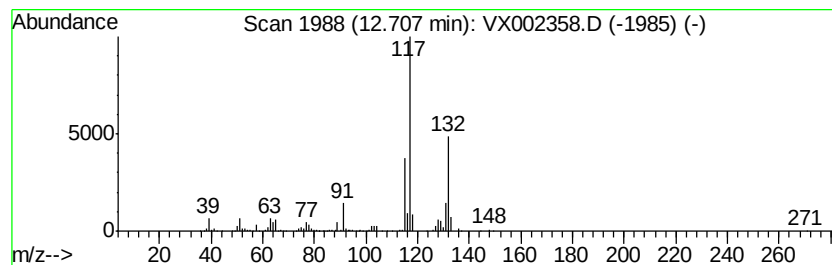
Instrument :  
MSVOA\_X  
ClientSampleId :  
W-17

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260

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

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Peak Number 4 (E)-1-Phenyl-1-butene Concentration Rank 8

| R.T.    | EstConc                           | Area         | Relative to ISTD       | R.T.      |
|---------|-----------------------------------|--------------|------------------------|-----------|
| 12.71   | 12.35 ug/l                        | 270405       | 1,4-Dichlorobenzene-d4 | 12.09     |
| Hit# of | 5                                 | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | (E)-1-Phenyl-1-butene             | 132 C10H12   | 001005-64-7            | 93        |
| 2       | Benzene, (2-methyl-2-propenyl)-   | 132 C10H12   | 003290-53-7            | 90        |
| 3       | Benzene, (2-methyl-1-propenyl)-   | 132 C10H12   | 000768-49-0            | 90        |
| 4       | Indan, 1-methyl-                  | 132 C10H12   | 000767-58-8            | 87        |
| 5       | Benzene, 1-methyl-2-(2-propenyl)- | 132 C10H12   | 001587-04-8            | 87        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060618\  
Data File : VX002358.D  
Acq On : 06 Jun 2018 17:42  
Operator : JC/MD  
Sample : J3312-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
W-17

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260

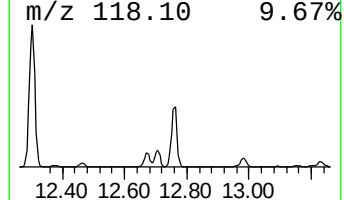
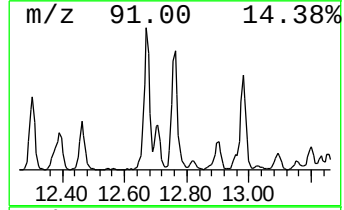
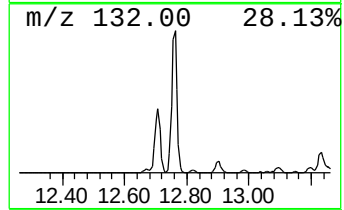
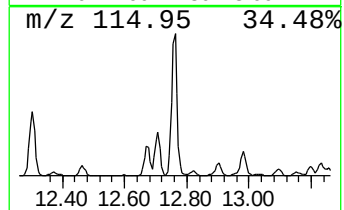
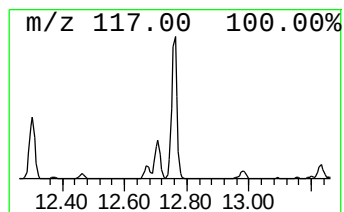
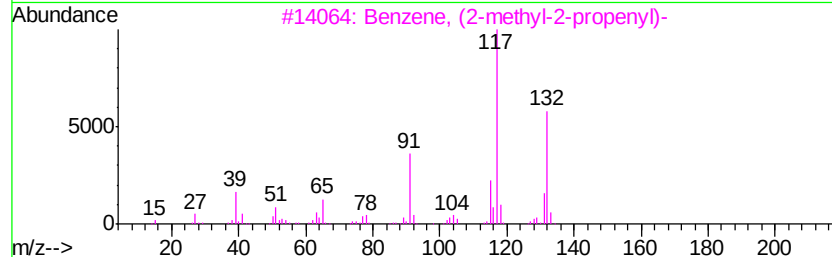
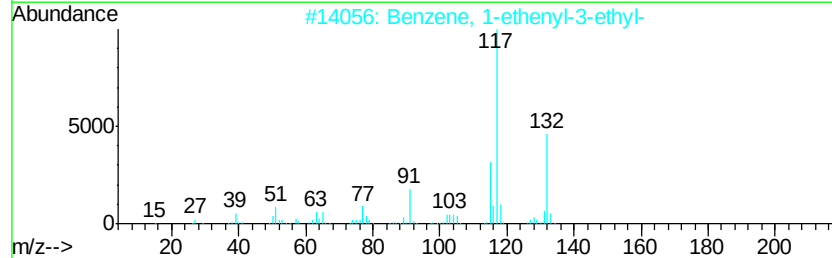
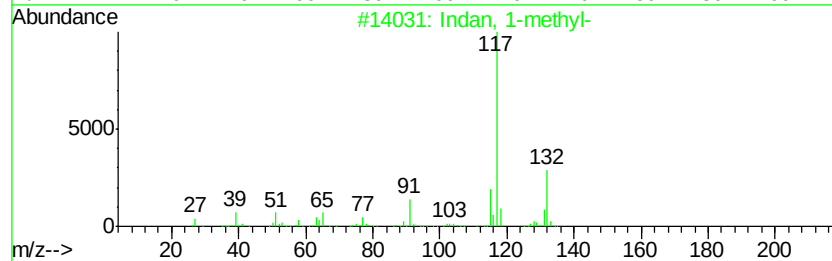
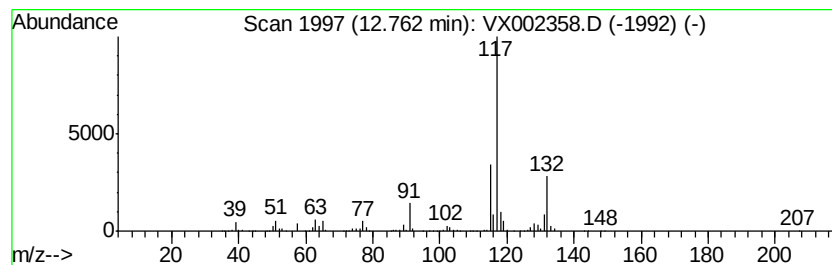
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Indan, 1-methyl- Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 12.76 | 37.89 ug/l | 829434 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# of | 5                               | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|---------------------------------|--------------|-----|---------|-------------|------|
| 1       | Indan, 1-methyl-                |              | 132 | C10H12  | 000767-58-8 | 87   |
| 2       | Benzene, 1-ethenyl-3-ethyl-     |              | 132 | C10H12  | 007525-62-4 | 87   |
| 3       | Benzene, (2-methyl-2-propenyl)- |              | 132 | C10H12  | 003290-53-7 | 86   |
| 4       | Benzene, 1-ethenyl-4-ethyl-     |              | 132 | C10H12  | 003454-07-7 | 86   |
| 5       | Benzene, 2-butenyl-             |              | 132 | C10H12  | 001560-06-1 | 83   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060618\  
Data File : VX002358.D  
Acq On : 06 Jun 2018 17:42  
Operator : JC/MD  
Sample : J3312-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
W-17

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260

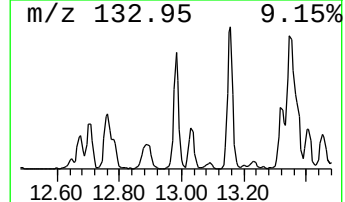
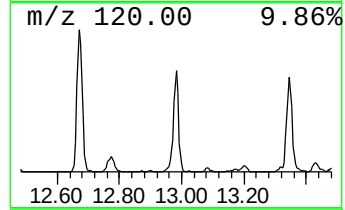
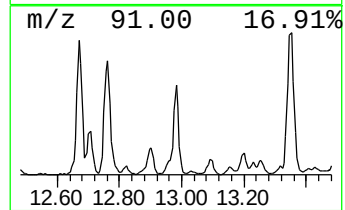
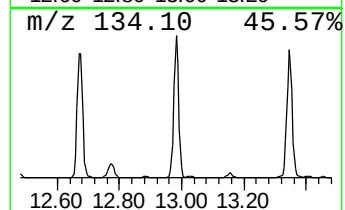
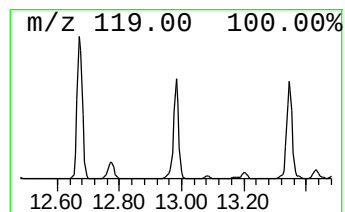
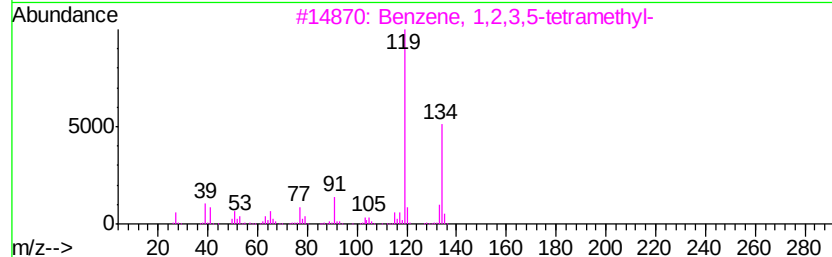
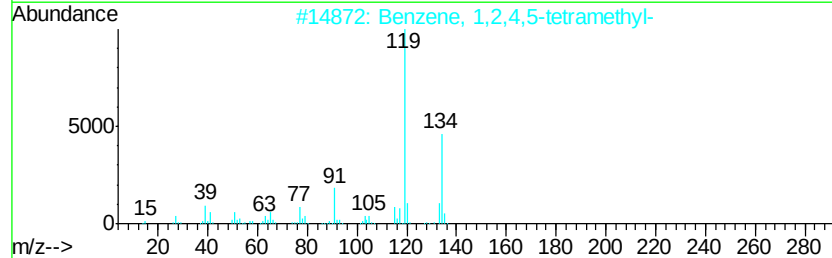
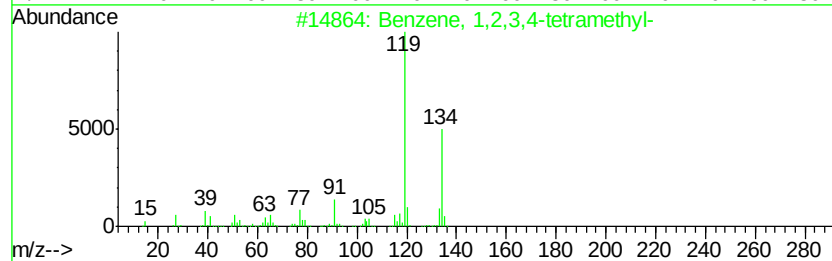
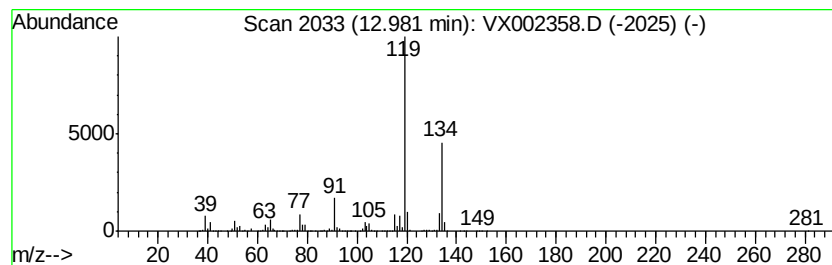
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 12.98 | 23.47 ug/l | 513847 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|---------|---|--------------------------------|-----|---------|-------------|------|
| 1       |   | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 97   |
| 2       |   | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 96   |
| 3       |   | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 95   |
| 4       |   | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 95   |
| 5       |   | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14  | 002870-04-4 | 94   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060618\  
Data File : VX002358.D  
Acq On : 06 Jun 2018 17:42  
Operator : JC/MD  
Sample : J3312-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
W-17

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260

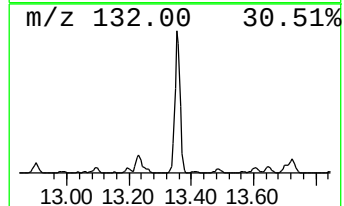
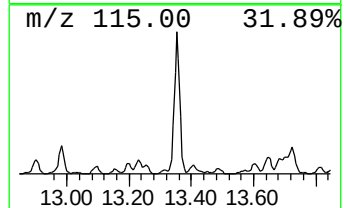
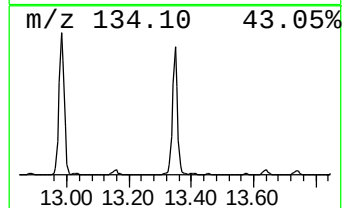
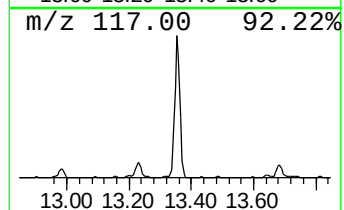
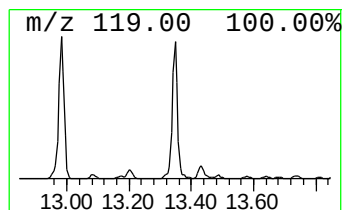
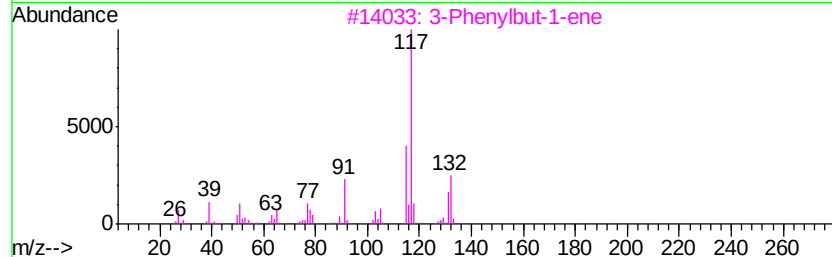
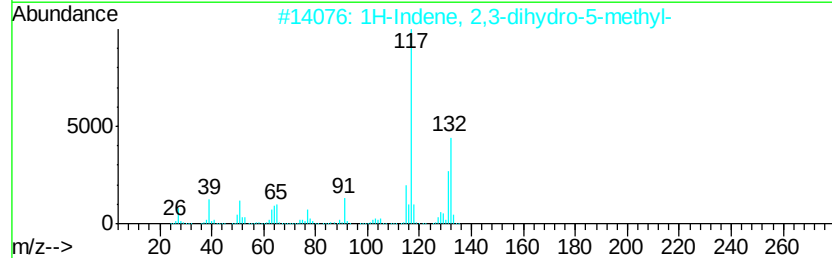
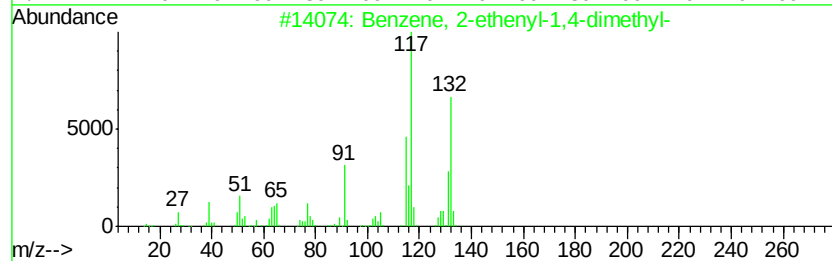
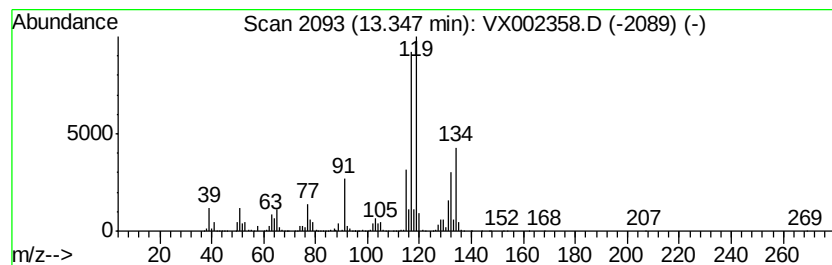
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 13.35 | 52.97 ug/l | 1159680 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|---------|---|-----------------------------------|-----|---------|-------------|------|
| 1       |   | Benzene, 2-ethenyl-1,4-dimethyl-  | 132 | C10H12  | 002039-89-6 | 95   |
| 2       |   | 1H-Indene, 2,3-dihydro-5-methyl-  | 132 | C10H12  | 000874-35-1 | 91   |
| 3       |   | 3-Phenylbut-1-ene                 | 132 | C10H12  | 000934-10-1 | 70   |
| 4       |   | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12  | 003333-13-9 | 70   |
| 5       |   | Benzene, 2-butenyl-               | 132 | C10H12  | 001560-06-1 | 70   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060618\  
Data File : VX002358.D  
Acq On : 06 Jun 2018 17:42  
Operator : JC/MD  
Sample : J3312-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
W-17

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260

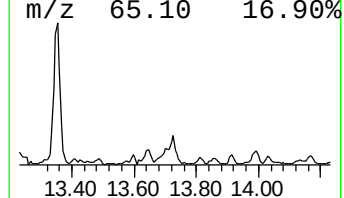
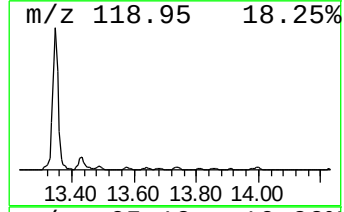
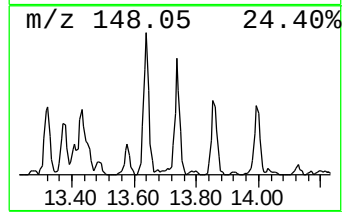
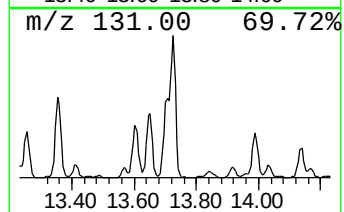
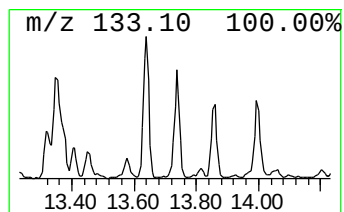
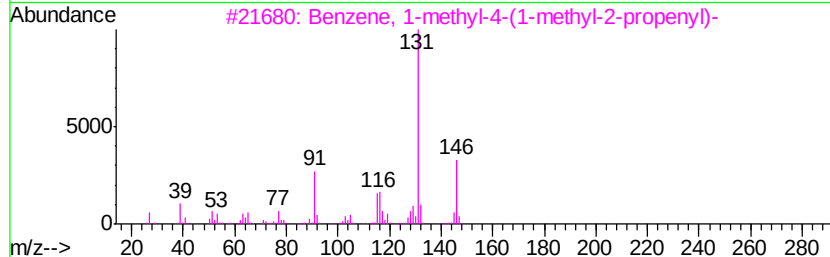
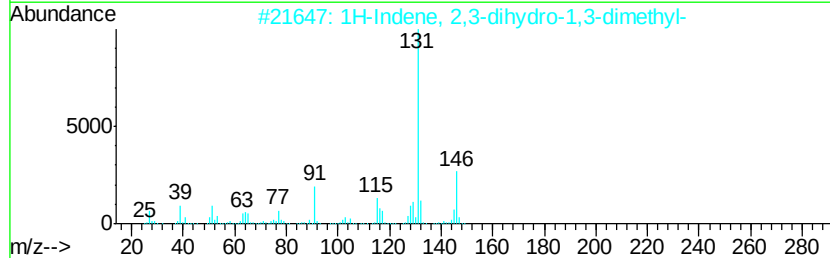
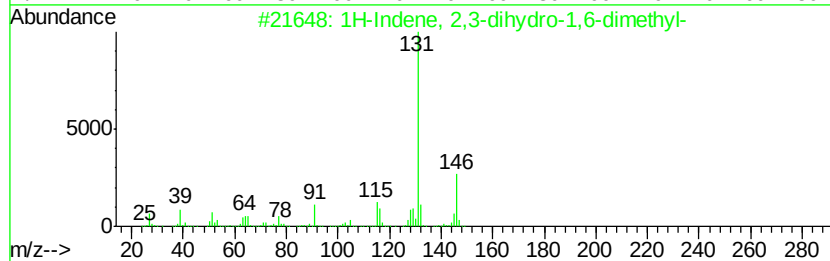
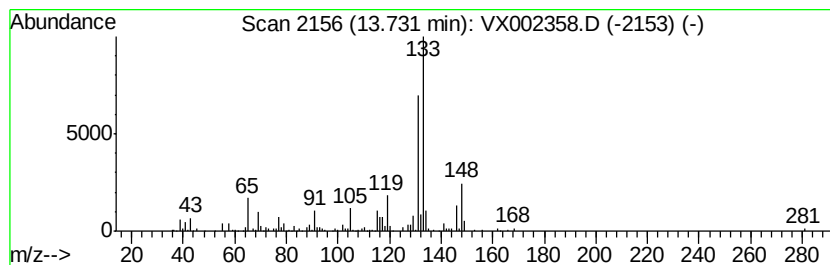
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 13.73 | 11.71 ug/l | 256362 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 95   |
| 2    |    | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 90   |
| 3    |    | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14  | 097664-18-1 | 90   |
| 4    |    | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 90   |
| 5    |    | 1H-Indene, 2,3-dihydro-1,1-dimet... | 146 | C11H14  | 004912-92-9 | 86   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060618\  
Data File : VX002358.D  
Acq On : 06 Jun 2018 17:42  
Operator : JC/MD  
Sample : J3312-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
W-17

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260

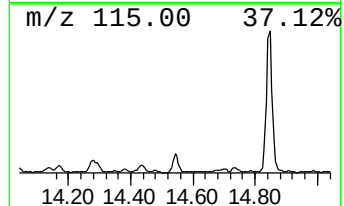
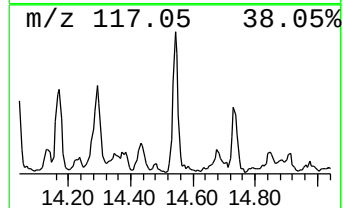
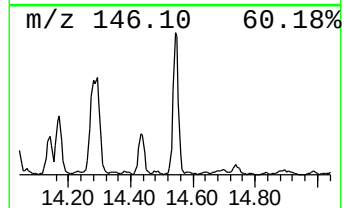
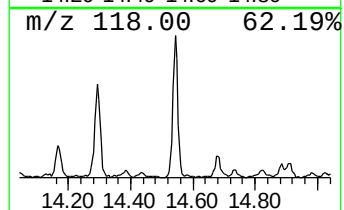
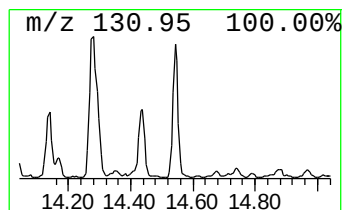
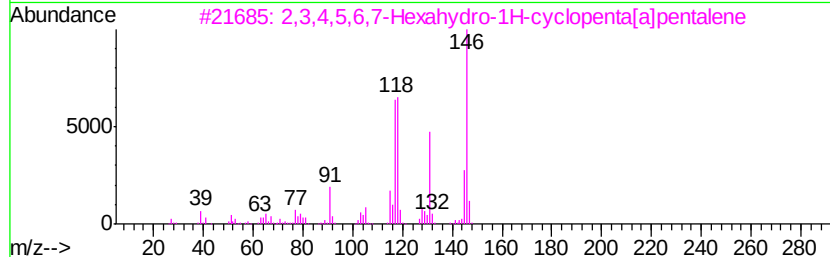
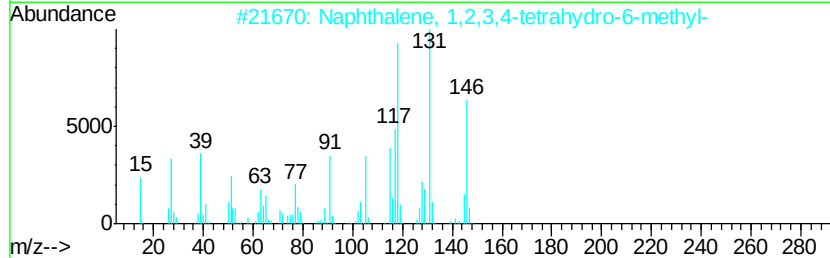
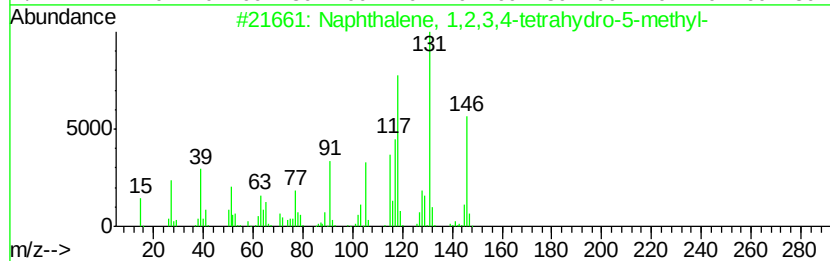
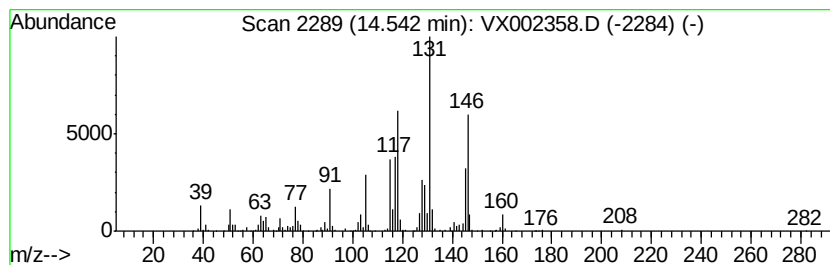
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Naphthalene, 1,2,3,4-tetra... Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.54 | 10.66 ug/l | 233289 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 002809-64-5  | 90   |
| 2    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 001680-51-9  | 87   |
| 3    |    | 2,3,4,5,6,7-Hexahydro-1H-cyclope... | 146 | C11H14   | 1000189-31-0 | 81   |
| 4    |    | 1H-1,3,2-Benzodiazaborole, 2-eth... | 146 | C8H11BN2 | 074663-81-3  | 70   |
| 5    |    | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14   | 004489-84-3  | 60   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060618\  
Data File : VX002358.D  
Acq On : 06 Jun 2018 17:42  
Operator : JC/MD  
Sample : J3312-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
W-17

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260

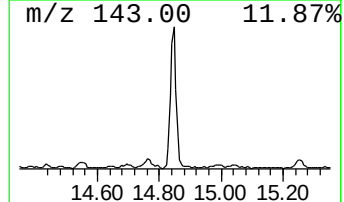
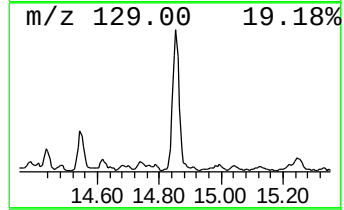
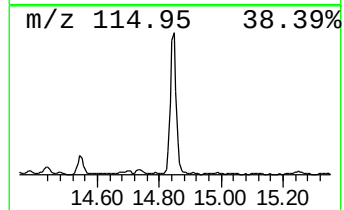
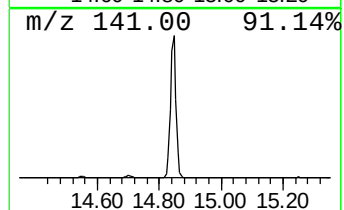
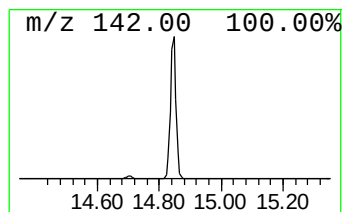
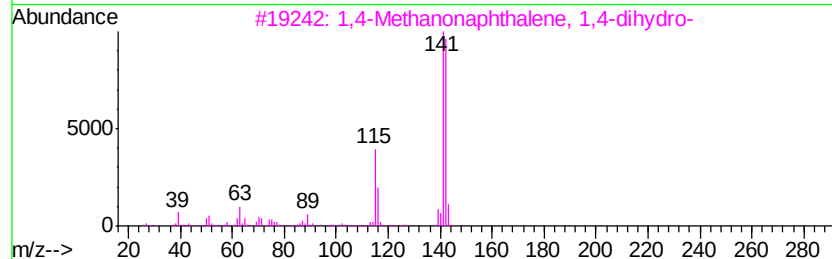
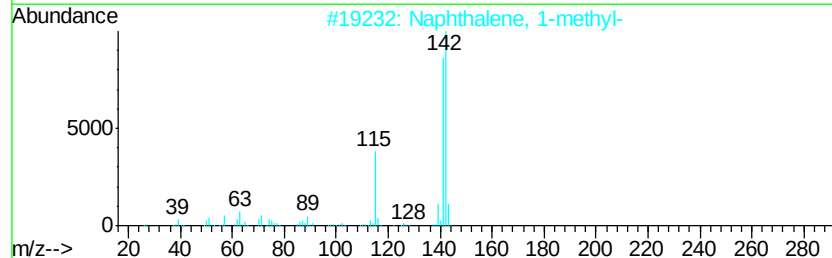
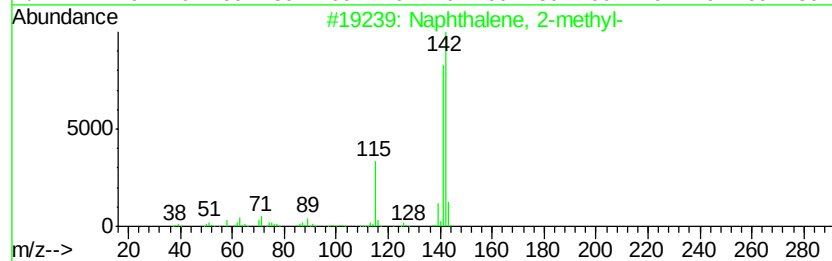
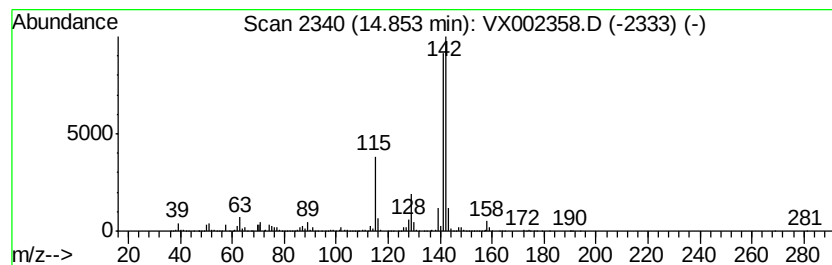
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Naphthalene, 2-methyl- Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.85 | 43.16 ug/l | 944835 | 1,4-Dichlorobenzene-d4 | 12.09 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 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 | 64   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX060618\  
Data File : VX002358.D  
Acq On : 06 Jun 2018 17:42  
Operator : JC/MD  
Sample : J3312-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
W-17

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.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 |
| Benzene, 1-etheny... | 12.30 | 18.9    | ug/l  | 412964   | 4                     | 12.09 | 1094640 | 50.0 |
| Benzene, 4-ethyl-... | 12.67 | 29.6    | ug/l  | 648133   | 4                     | 12.09 | 1094640 | 50.0 |
| (E)-1-Phenyl-1-bu... | 12.71 | 12.4    | ug/l  | 270405   | 4                     | 12.09 | 1094640 | 50.0 |
| Indan, 1-methyl-     | 12.76 | 37.9    | ug/l  | 829434   | 4                     | 12.09 | 1094640 | 50.0 |
| Benzene, 1,2,3,4-... | 12.98 | 23.5    | ug/l  | 513847   | 4                     | 12.09 | 1094640 | 50.0 |
| Benzene, 2-etheny... | 13.35 | 53.0    | ug/l  | 1159680  | 4                     | 12.09 | 1094640 | 50.0 |
| 1H-Indene, 2,3-di... | 13.73 | 11.7    | ug/l  | 256362   | 4                     | 12.09 | 1094640 | 50.0 |
| Naphthalene, 1,2,... | 14.54 | 10.7    | ug/l  | 233289   | 4                     | 12.09 | 1094640 | 50.0 |
| Naphthalene, 2-me... | 14.85 | 43.2    | ug/l  | 944835   | 4                     | 12.09 | 1094640 | 50.0 |