

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\  
 Data File : VX011042.D  
 Acq On : 22 Jul 2019 19:44  
 Operator : JC/SP  
 Sample : K3934-16  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-3

## 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\82X071619W.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         | 1.275       | 17            | 20          | 26           | rBV      | 23990          | 30144         | 1.57%           | 0.115%        |
| 2         | 2.604       | 232           | 238         | 246          | rBV      | 27880          | 51164         | 2.66%           | 0.195%        |
| 3         | 5.500       | 698           | 713         | 725          | rBV      | 129723         | 378254        | 19.66%          | 1.442%        |
| 4         | 5.659       | 729           | 739         | 752          | rVB      | 218710         | 616619        | 32.05%          | 2.351%        |
| 5         | 6.061       | 795           | 805         | 814          | rBV      | 131216         | 341874        | 17.77%          | 1.304%        |
| 6         | 6.146       | 814           | 819         | 828          | rVB      | 12153          | 30379         | 1.58%           | 0.116%        |
| 7         | 6.860       | 921           | 936         | 950          | rBV      | 334575         | 789181        | 41.02%          | 3.009%        |
| 8         | 8.713       | 1234          | 1240        | 1247         | rBV      | 710012         | 1077085       | 55.98%          | 4.107%        |
| 9         | 8.780       | 1247          | 1251        | 1257         | rVB      | 35304          | 54881         | 2.85%           | 0.209%        |
| 10        | 10.109      | 1463          | 1469        | 1478         | rBV      | 695765         | 957389        | 49.76%          | 3.651%        |
| 11        | 10.249      | 1486          | 1492        | 1500         | rBV      | 20185          | 30073         | 1.56%           | 0.115%        |
| 12        | 10.359      | 1502          | 1510        | 1516         | rVV      | 177827         | 260991        | 13.56%          | 0.995%        |
| 13        | 10.694      | 1561          | 1565        | 1575         | rVB      | 129453         | 174896        | 9.09%           | 0.667%        |
| 14        | 10.835      | 1578          | 1588        | 1592         | rVB3     | 11921          | 21734         | 1.13%           | 0.083%        |
| 15        | 10.908      | 1592          | 1600        | 1605         | rBV5     | 11684          | 22760         | 1.18%           | 0.087%        |
| 16        | 11.018      | 1612          | 1618        | 1622         | rBV      | 13163          | 19493         | 1.01%           | 0.074%        |
| 17        | 11.133      | 1631          | 1637        | 1643         | rBV      | 619768         | 795809        | 41.36%          | 3.035%        |
| 18        | 11.359      | 1669          | 1674        | 1678         | rBV      | 23012          | 31168         | 1.62%           | 0.119%        |
| 19        | 11.432      | 1681          | 1686        | 1693         | rBV      | 42295          | 81319         | 4.23%           | 0.310%        |
| 20        | 11.505      | 1693          | 1698        | 1701         | rVV      | 26603          | 32798         | 1.70%           | 0.125%        |
| 21        | 11.664      | 1719          | 1724        | 1731         | rBV      | 42100          | 61305         | 3.19%           | 0.234%        |
| 22        | 11.804      | 1743          | 1747        | 1758         | rVB      | 113404         | 145317        | 7.55%           | 0.554%        |
| 23        | 11.920      | 1758          | 1766        | 1767         | rBV      | 19326          | 30675         | 1.59%           | 0.117%        |
| 24        | 11.944      | 1767          | 1770        | 1775         | rVB      | 24019          | 30855         | 1.60%           | 0.118%        |
| 25        | 12.078      | 1786          | 1792        | 1797         | rBV      | 773604         | 977932        | 50.83%          | 3.729%        |
| 26        | 12.139      | 1797          | 1802        | 1807         | rVV      | 94526          | 117075        | 6.08%           | 0.446%        |
| 27        | 12.231      | 1813          | 1817        | 1822         | rVB      | 14871          | 20715         | 1.08%           | 0.079%        |
| 28        | 12.298      | 1823          | 1828        | 1835         | rBV      | 270443         | 343810        | 17.87%          | 1.311%        |
| 29        | 12.365      | 1835          | 1839        | 1848         | rVB3     | 69716          | 138445        | 7.20%           | 0.528%        |
| 30        | 12.456      | 1850          | 1854        | 1860         | rBV2     | 34782          | 54405         | 2.83%           | 0.207%        |
| 31        | 12.584      | 1870          | 1875        | 1877         | rBV      | 22256          | 33416         | 1.74%           | 0.127%        |
| 32        | 12.664      | 1883          | 1888        | 1892         | rBV      | 314512         | 376117        | 19.55%          | 1.434%        |
| 33        | 12.700      | 1892          | 1894        | 1898         | rVV      | 71874          | 78595         | 4.08%           | 0.300%        |
| 34        | 12.755      | 1898          | 1903        | 1910         | rVB2     | 235833         | 362547        | 18.84%          | 1.382%        |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\  
 Data File : VX011042.D  
 Acq On : 22 Jul 2019 19:44  
 Operator : JC/SP  
 Sample : K3934-16  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-3

## 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\82X071619W.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 12.895 | 1919 | 1926 | 1931 | rVB4 | 51202  | 98964   | 5.14%  | 0.377% |
| 36 | 12.975 | 1931 | 1939 | 1943 | rBV  | 323550 | 422761  | 21.97% | 1.612% |
| 37 | 13.017 | 1943 | 1946 | 1952 | rVB2 | 29989  | 44811   | 2.33%  | 0.171% |
| 38 | 13.078 | 1952 | 1956 | 1962 | rVB3 | 80450  | 120021  | 6.24%  | 0.458% |
| 39 | 13.151 | 1963 | 1968 | 1971 | rBV2 | 39202  | 61666   | 3.21%  | 0.235% |
| 40 | 13.194 | 1971 | 1975 | 1977 | rBV  | 58680  | 70235   | 3.65%  | 0.268% |
| 41 | 13.224 | 1977 | 1980 | 1990 | rVB  | 245742 | 330435  | 17.17% | 1.260% |
| 42 | 13.310 | 1990 | 1994 | 1996 | rBV2 | 58603  | 82486   | 4.29%  | 0.315% |
| 43 | 13.346 | 1996 | 2000 | 2006 | rVB2 | 615904 | 863046  | 44.86% | 3.291% |
| 44 | 13.426 | 2006 | 2013 | 2018 | rBV3 | 90666  | 159402  | 8.28%  | 0.608% |
| 45 | 13.481 | 2018 | 2022 | 2029 | rVB3 | 67022  | 114910  | 5.97%  | 0.438% |
| 46 | 13.560 | 2030 | 2035 | 2038 | rBV2 | 115338 | 158035  | 8.21%  | 0.603% |
| 47 | 13.596 | 2038 | 2041 | 2044 | rBV  | 239854 | 295447  | 15.36% | 1.127% |
| 48 | 13.639 | 2044 | 2048 | 2052 | rVB3 | 252688 | 341932  | 17.77% | 1.304% |
| 49 | 13.718 | 2058 | 2061 | 2069 | rVB2 | 316965 | 495946  | 25.78% | 1.891% |
| 50 | 13.804 | 2070 | 2075 | 2076 | rBV2 | 55582  | 61922   | 3.22%  | 0.236% |
| 51 | 13.834 | 2076 | 2080 | 2087 | rVV2 | 264815 | 413815  | 21.51% | 1.578% |
| 52 | 13.907 | 2087 | 2092 | 2097 | rVB5 | 77632  | 142421  | 7.40%  | 0.543% |
| 53 | 13.980 | 2097 | 2104 | 2108 | rBV2 | 213278 | 326198  | 16.95% | 1.244% |
| 54 | 14.029 | 2108 | 2112 | 2115 | rBV  | 127067 | 166350  | 8.65%  | 0.634% |
| 55 | 14.060 | 2115 | 2117 | 2120 | rVB  | 34109  | 33891   | 1.76%  | 0.129% |
| 56 | 14.133 | 2124 | 2129 | 2132 | rBV  | 357354 | 456013  | 23.70% | 1.739% |
| 57 | 14.218 | 2140 | 2143 | 2146 | rVB  | 33913  | 32244   | 1.68%  | 0.123% |
| 58 | 14.267 | 2146 | 2151 | 2161 | rBV2 | 401199 | 710708  | 36.94% | 2.710% |
| 59 | 14.340 | 2161 | 2163 | 2165 | rVV  | 24554  | 26823   | 1.39%  | 0.102% |
| 60 | 14.377 | 2165 | 2169 | 2173 | rVV  | 194979 | 234412  | 12.18% | 0.894% |
| 61 | 14.432 | 2173 | 2178 | 2182 | rVB  | 365883 | 472147  | 24.54% | 1.800% |
| 62 | 14.474 | 2182 | 2185 | 2190 | rVB  | 76391  | 101119  | 5.26%  | 0.386% |
| 63 | 14.541 | 2190 | 2196 | 2200 | rBV3 | 185917 | 310146  | 16.12% | 1.183% |
| 64 | 14.578 | 2200 | 2202 | 2205 | rVB2 | 34885  | 35532   | 1.85%  | 0.135% |
| 65 | 14.694 | 2217 | 2221 | 2225 | rVB  | 764764 | 907408  | 47.16% | 3.460% |
| 66 | 14.730 | 2225 | 2227 | 2231 | rVB  | 120905 | 125425  | 6.52%  | 0.478% |
| 67 | 14.779 | 2231 | 2235 | 2239 | rBV  | 96074  | 132232  | 6.87%  | 0.504% |
| 68 | 14.840 | 2239 | 2245 | 2249 | rBV  | 948876 | 1310137 | 68.09% | 4.996% |
| 69 | 14.907 | 2253 | 2256 | 2260 | rVB4 | 37479  | 48301   | 2.51%  | 0.184% |
| 70 | 14.962 | 2261 | 2265 | 2271 | rBV3 | 26084  | 47516   | 2.47%  | 0.181% |
| 71 | 15.023 | 2272 | 2275 | 2282 | rVB4 | 36256  | 75014   | 3.90%  | 0.286% |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\  
 Data File : VX011042.D  
 Acq On : 22 Jul 2019 19:44  
 Operator : JC/SP  
 Sample : K3934-16  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-3

## 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\82X071619W.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 72 | 15.108 | 2285 | 2289 | 2292 | rBV3 | 23156   | 32473   | 1.69%   | 0.124% |
| 73 | 15.248 | 2307 | 2312 | 2315 | rBV  | 146629  | 223801  | 11.63%  | 0.853% |
| 74 | 15.322 | 2319 | 2324 | 2332 | rVB5 | 48829   | 100847  | 5.24%   | 0.385% |
| 75 | 15.444 | 2336 | 2344 | 2347 | rBV2 | 308193  | 504465  | 26.22%  | 1.924% |
| 76 | 15.474 | 2347 | 2349 | 2354 | rVB  | 182565  | 227076  | 11.80%  | 0.866% |
| 77 | 15.547 | 2355 | 2361 | 2366 | rBV  | 860414  | 1408268 | 73.19%  | 5.370% |
| 78 | 15.687 | 2375 | 2384 | 2387 | rBV  | 1201413 | 1924048 | 100.00% | 7.337% |
| 79 | 15.724 | 2387 | 2390 | 2398 | rVB  | 649082  | 949306  | 49.34%  | 3.620% |
| 80 | 15.809 | 2398 | 2404 | 2410 | rBV2 | 54887   | 123474  | 6.42%   | 0.471% |
| 81 | 15.913 | 2411 | 2421 | 2431 | rVB  | 353699  | 915323  | 47.57%  | 3.490% |
| 82 | 16.065 | 2440 | 2446 | 2457 | rVB  | 231569  | 415575  | 21.60%  | 1.585% |
| 83 | 16.163 | 2458 | 2462 | 2468 | rBV3 | 24494   | 44275   | 2.30%   | 0.169% |
| 84 | 16.242 | 2472 | 2475 | 2477 | rBV2 | 17001   | 24842   | 1.29%   | 0.095% |
| 85 | 16.273 | 2477 | 2480 | 2487 | rVB2 | 45251   | 75583   | 3.93%   | 0.288% |
| 86 | 16.346 | 2487 | 2492 | 2494 | rBV  | 36583   | 61575   | 3.20%   | 0.235% |
| 87 | 16.382 | 2494 | 2498 | 2500 | rBV2 | 23566   | 32069   | 1.67%   | 0.122% |
| 88 | 16.437 | 2501 | 2507 | 2511 | rVV2 | 74279   | 128658  | 6.69%   | 0.491% |
| 89 | 16.510 | 2516 | 2519 | 2523 | rVB  | 32977   | 48045   | 2.50%   | 0.183% |
| 90 | 16.565 | 2523 | 2528 | 2533 | rVB  | 40108   | 71952   | 3.74%   | 0.274% |
| 91 | 16.651 | 2534 | 2542 | 2543 | rBV5 | 43511   | 90905   | 4.72%   | 0.347% |
| 92 | 16.687 | 2543 | 2548 | 2553 | rVV  | 128536  | 236058  | 12.27%  | 0.900% |
| 93 | 16.748 | 2553 | 2558 | 2564 | rVB  | 101701  | 186323  | 9.68%   | 0.711% |

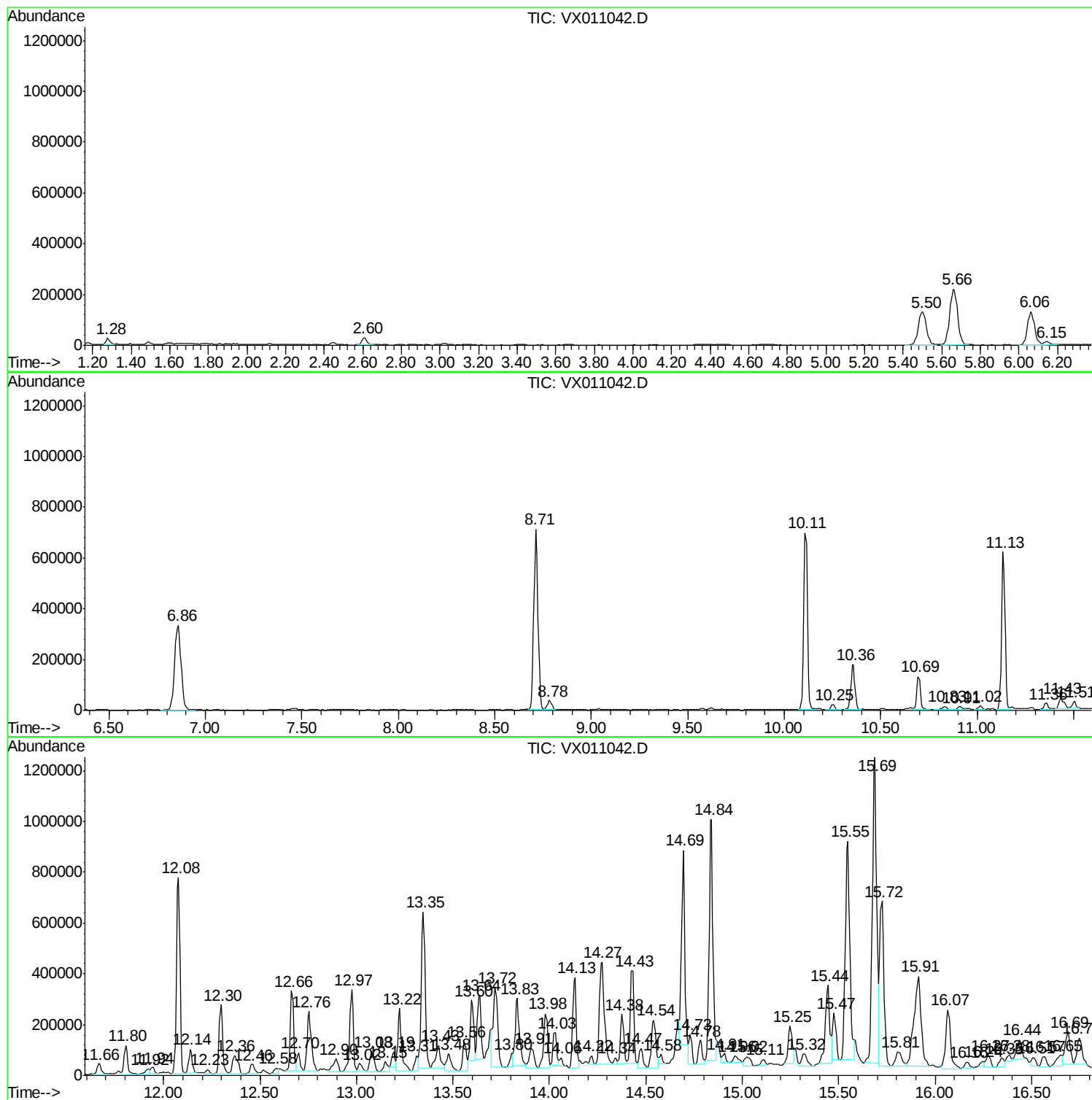
Sum of corrected areas: 26224032

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072219\  
Data File : VX011042.D  
Acq On : 22 Jul 2019 19:44  
Operator : JC/SP  
Sample : K3934-16  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-3

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X071619W.M  
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\  
Data File : VX011042.D  
Acq On : 22 Jul 2019 19:44  
Operator : JC/SP  
Sample : K3934-16  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 25 Sample Multiplier: 1

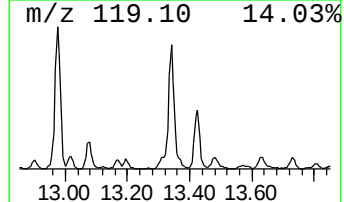
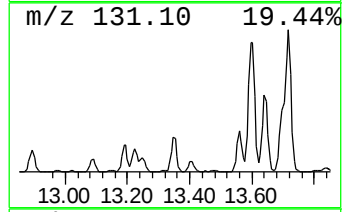
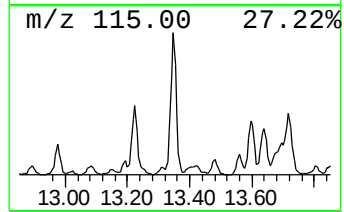
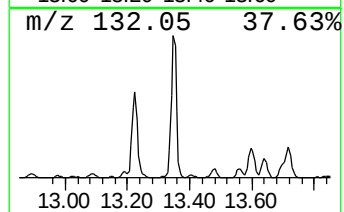
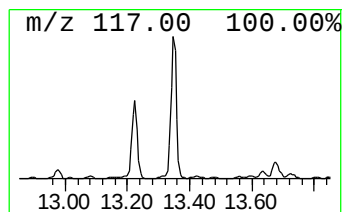
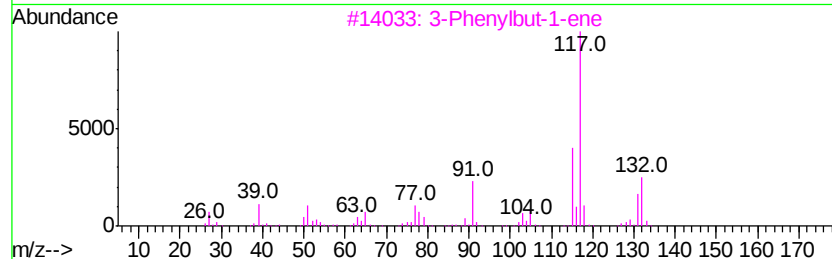
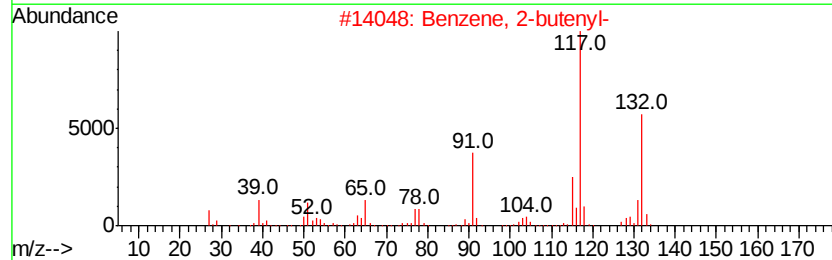
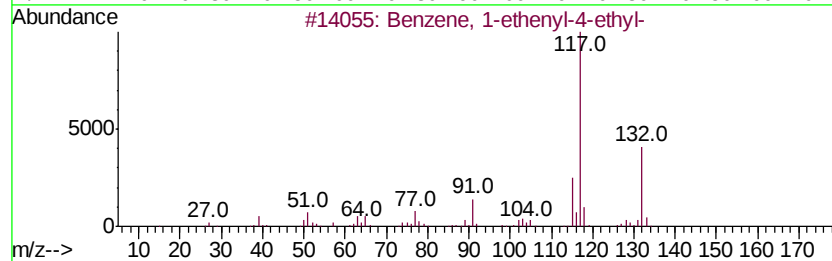
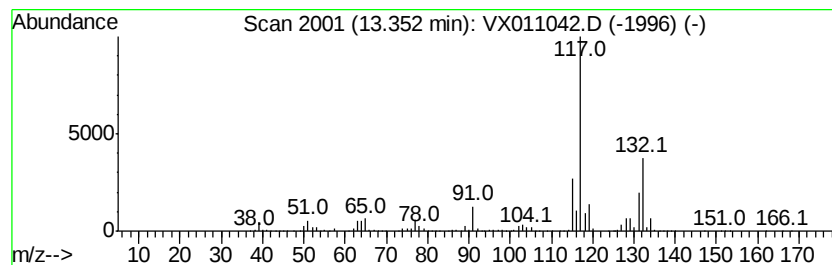
Instrument :  
MSVOA\_X  
ClientSampled :  
TP-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071619W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 1 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 7

| R.T.    | EstConc    | Area                             | Relative to ISTD       | R.T.           |
|---------|------------|----------------------------------|------------------------|----------------|
| 13.35   | 44.13 ug/l | 863046                           | 1,4-Dichlorobenzene-d4 | 12.08          |
| Hit# of | 5          | Tentative ID                     | MW MolForm             | CAS# Qual      |
| 1       |            | Benzene, 1-ethenyl-4-ethyl-      | 132 C10H12             | 003454-07-7 86 |
| 2       |            | Benzene, 2-butenyl-              | 132 C10H12             | 001560-06-1 70 |
| 3       |            | 3-Phenylbut-1-ene                | 132 C10H12             | 000934-10-1 70 |
| 4       |            | Benzene, 2-ethenyl-1,4-dimethyl- | 132 C10H12             | 002039-89-6 70 |
| 5       |            | 1H-Indene, 2,3-dihydro-4-methyl- | 132 C10H12             | 000824-22-6 70 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\  
Data File : VX011042.D  
Acq On : 22 Jul 2019 19:44  
Operator : JC/SP  
Sample : K3934-16  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071619W.M  
Quant Title : SW846 8260

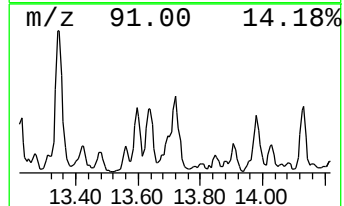
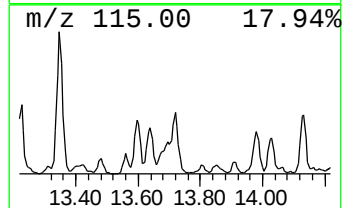
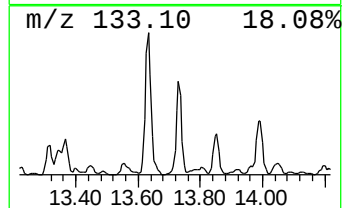
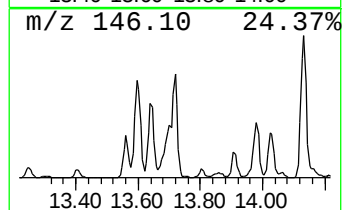
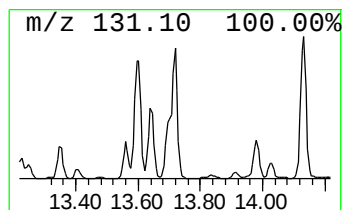
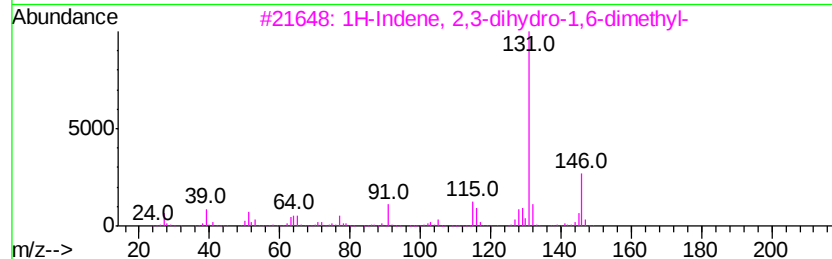
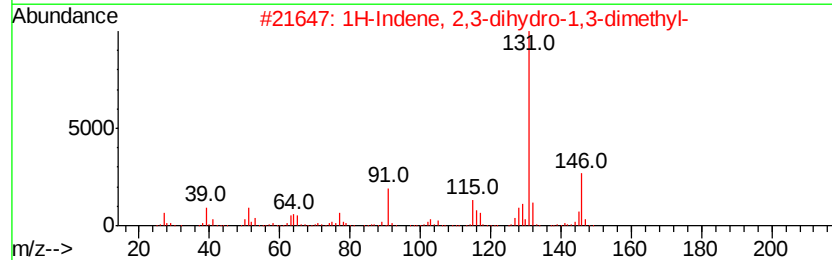
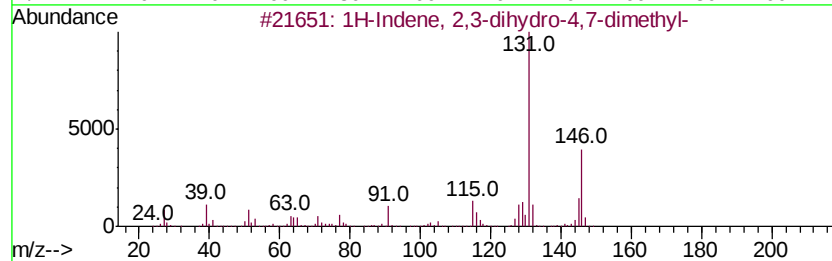
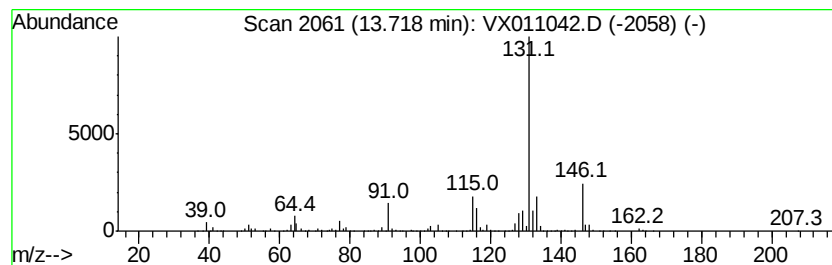
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 13.72 | 25.36 ug/l | 495946 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 90   |
| 2    |    | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 90   |
| 3    |    | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 90   |
| 4    |    | Benzene, 1-methyl-2-(1-methyl-2-... | 146 | C11H14  | 097664-19-2 | 90   |
| 5    |    | Benzene, (2-methyl-1-butenyl)-      | 146 | C11H14  | 056253-64-6 | 90   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\  
Data File : VX011042.D  
Acq On : 22 Jul 2019 19:44  
Operator : JC/SP  
Sample : K3934-16  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 25 Sample Multiplier: 1

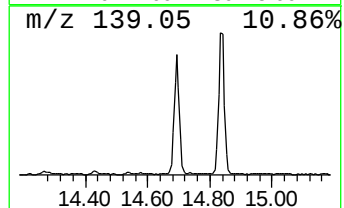
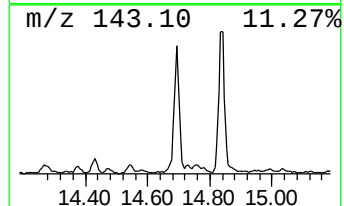
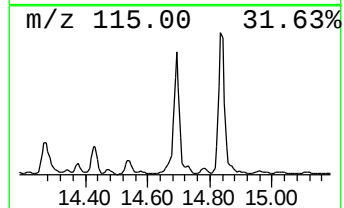
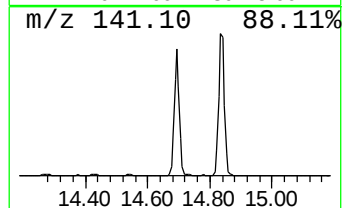
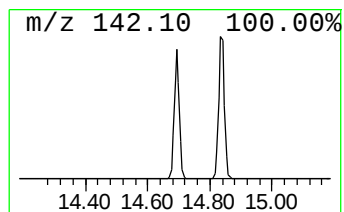
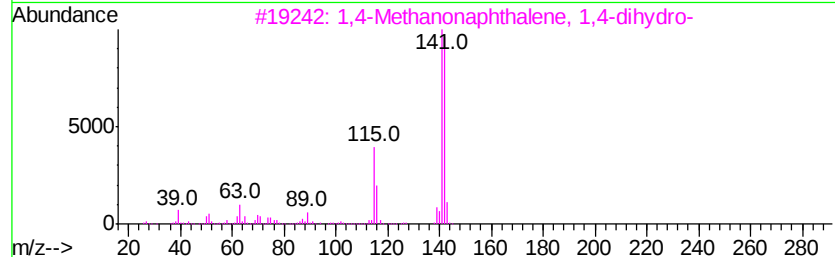
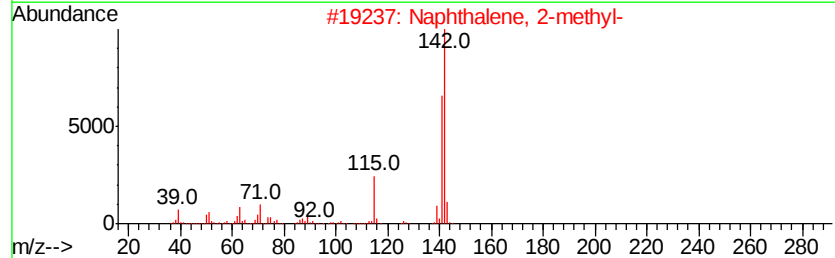
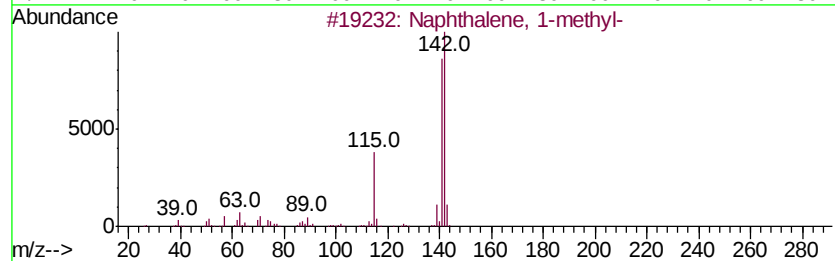
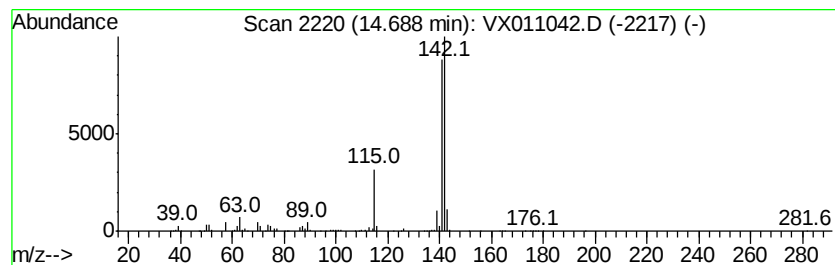
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071619W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 6

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 14.69   | 46.39 ug/l | 907408                              | 1,4-Dichlorobenzene-d4 | 12.08          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |            | Naphthalene, 1-methyl-              | 142 C11H10             | 000090-12-0 94 |
| 2       |            | Naphthalene, 2-methyl-              | 142 C11H10             | 000091-57-6 94 |
| 3       |            | 1,4-Methanonaphthalene, 1,4-dihv... | 142 C11H10             | 004453-90-1 91 |
| 4       |            | 1H-Indene, 1-ethylidene-            | 142 C11H10             | 002471-83-2 87 |
| 5       |            | Benzocycloheptatriene               | 142 C11H10             | 000264-09-5 47 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072219\  
Data File : VX011042.D  
Acq On : 22 Jul 2019 19:44  
Operator : JC/SP  
Sample : K3934-16  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 25 Sample Multiplier: 1

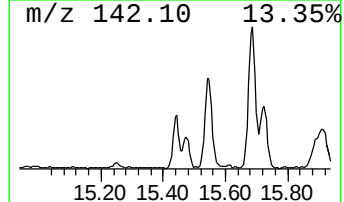
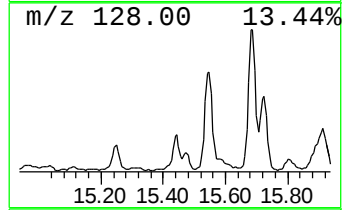
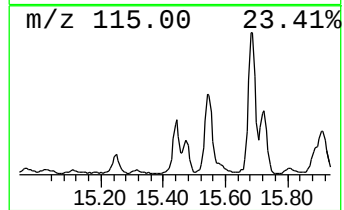
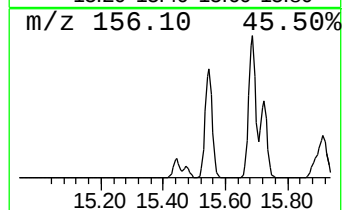
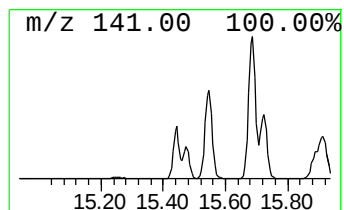
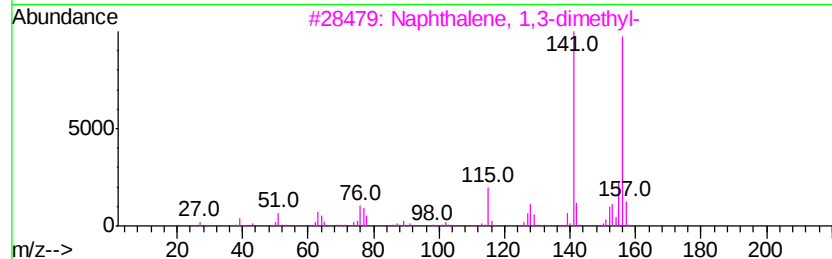
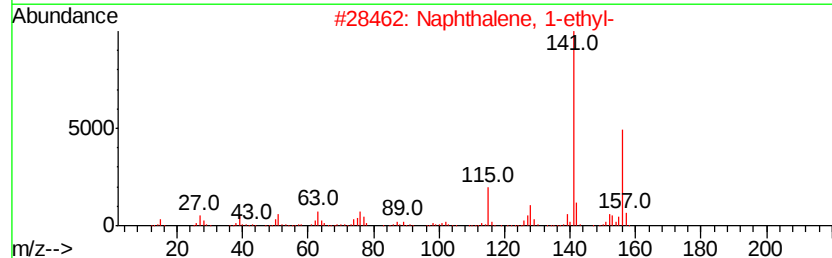
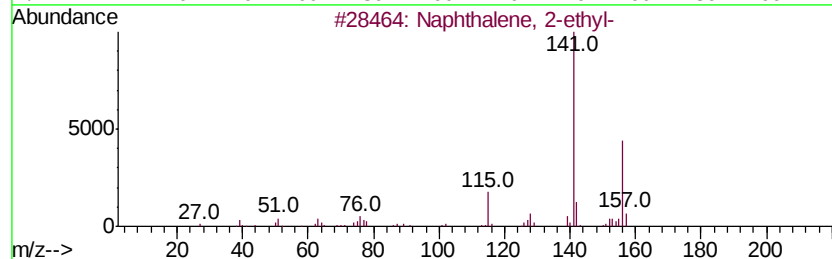
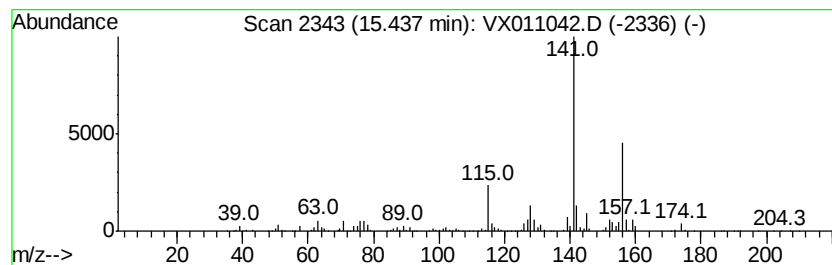
Instrument :  
MSVOA\_X  
ClientSampled :  
TP-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071619W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 6 Naphthalene, 2-ethyl- Concentration Rank 9

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 15.44   | 25.79 ug/l | 504465                              | 1,4-Dichlorobenzene-d4 | 12.08          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |            | Naphthalene, 2-ethyl-               | 156 C12H12             | 000939-27-5 95 |
| 2       |            | Naphthalene, 1-ethyl-               | 156 C12H12             | 001127-76-0 94 |
| 3       |            | Naphthalene, 1,3-dimethyl-          | 156 C12H12             | 000575-41-7 91 |
| 4       |            | 2-Thiophenecarboxylic acid, 5-et... | 156 C7H8O2S            | 023229-72-3 58 |
| 5       |            | 5-Acetyl-2-amino-4-methylthiazole   | 156 C6H8N2OS           | 030748-47-1 53 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\  
Data File : VX011042.D  
Acq On : 22 Jul 2019 19:44  
Operator : JC/SP  
Sample : K3934-16  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071619W.M  
Quant Title : SW846 8260

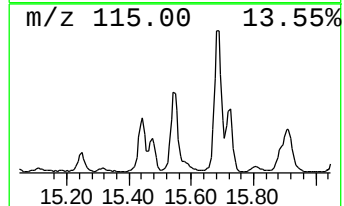
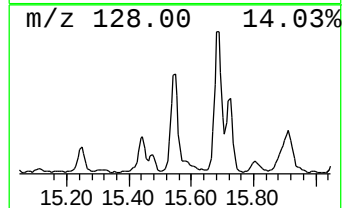
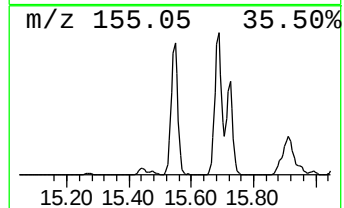
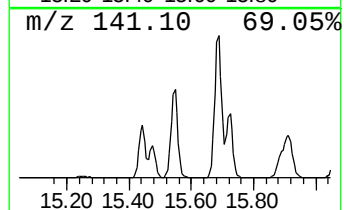
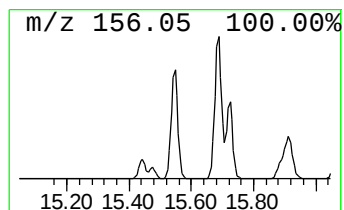
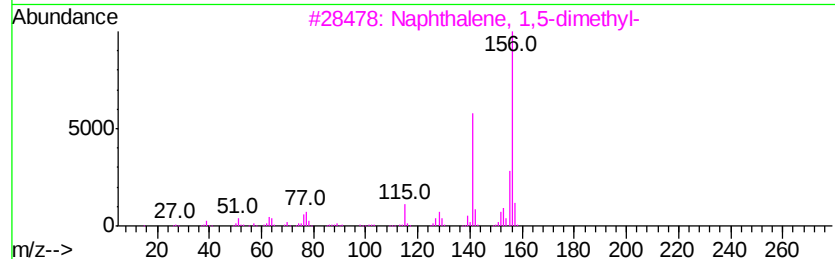
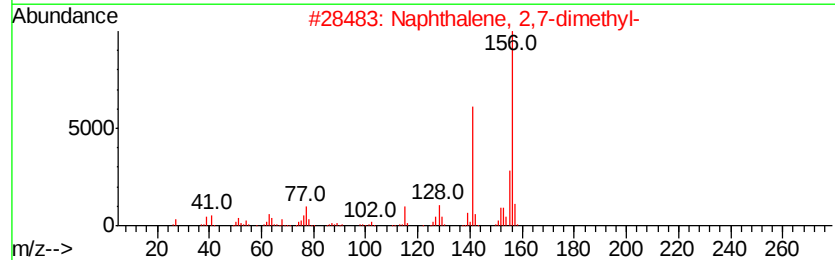
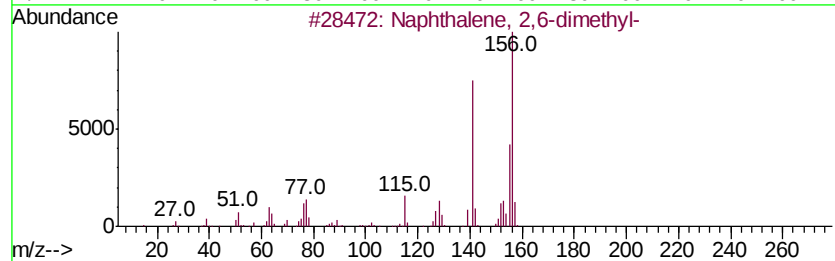
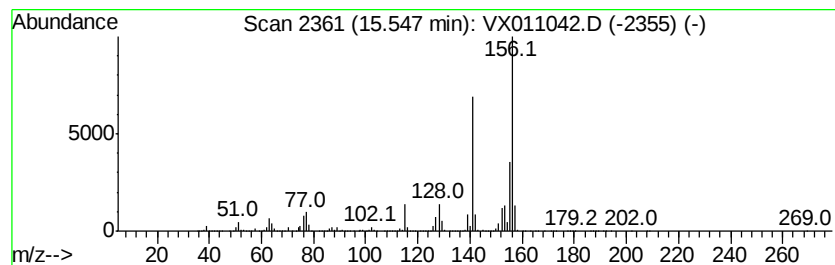
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Naphthalene, 2,6-dimethyl- Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 15.55 | 72.00 ug/l | 1408270 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |
| 2    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 3    |    | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 97   |
| 4    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 5    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\  
Data File : VX011042.D  
Acq On : 22 Jul 2019 19:44  
Operator : JC/SP  
Sample : K3934-16  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 25 Sample Multiplier: 1

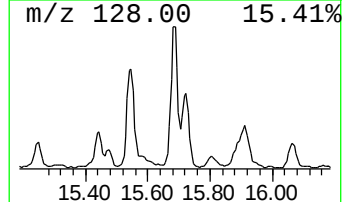
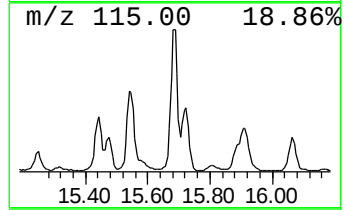
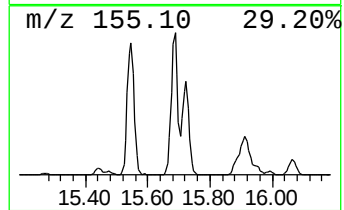
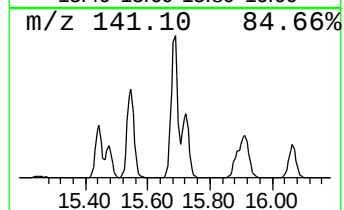
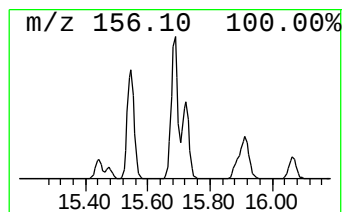
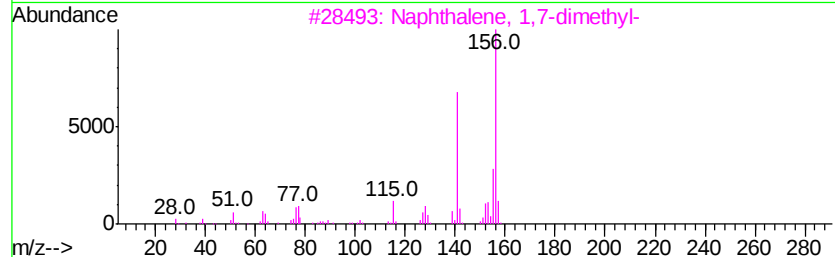
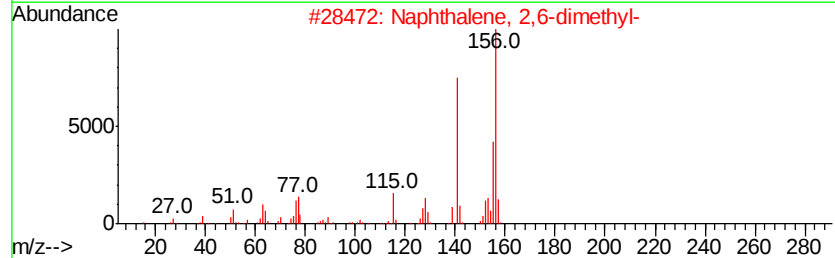
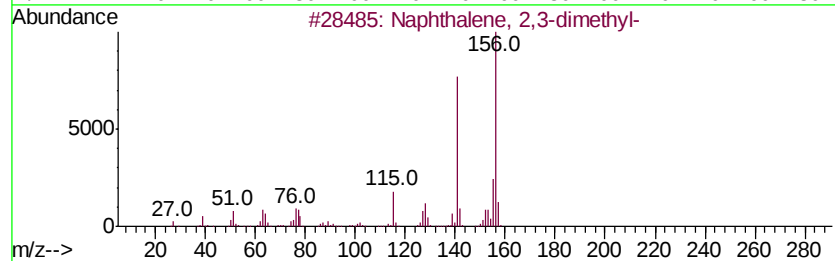
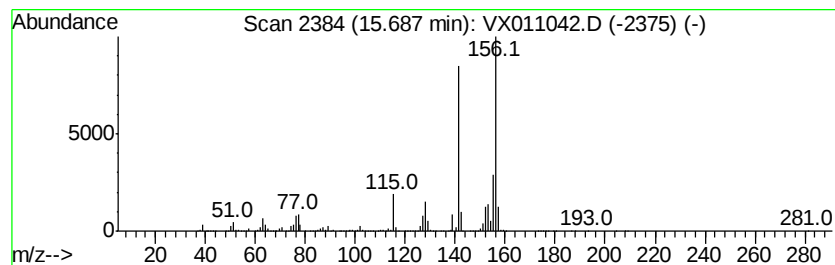
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071619W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 8 Naphthalene, 2,3-dimethyl- Concentration Rank 1

| R.T.    | EstConc    | Area                       | Relative to ISTD       | R.T.           |
|---------|------------|----------------------------|------------------------|----------------|
| 15.69   | 98.37 ug/l | 1924050                    | 1,4-Dichlorobenzene-d4 | 12.08          |
| Hit# of | 5          | Tentative ID               | MW MolForm             | CAS# Qual      |
| 1       |            | Naphthalene, 2,3-dimethyl- | 156 C12H12             | 000581-40-8 97 |
| 2       |            | Naphthalene, 2,6-dimethyl- | 156 C12H12             | 000581-42-0 97 |
| 3       |            | Naphthalene, 1,7-dimethyl- | 156 C12H12             | 000575-37-1 97 |
| 4       |            | Naphthalene, 2,7-dimethyl- | 156 C12H12             | 000582-16-1 97 |
| 5       |            | Naphthalene, 1,4-dimethyl- | 156 C12H12             | 000571-58-4 97 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX072219\  
Data File : VX011042.D  
Acq On : 22 Jul 2019 19:44  
Operator : JC/SP  
Sample : K3934-16  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071619W.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... | 13.35 | 44.1    | ug/l  | 863046   | 4                     | 12.08 | 977932 | 50.0 |
| 1H-Indene, 2,3-di... | 13.72 | 25.4    | ug/l  | 495946   | 4                     | 12.08 | 977932 | 50.0 |
| Naphthalene, 1-me... | 14.69 | 46.4    | ug/l  | 907408   | 4                     | 12.08 | 977932 | 50.0 |
| Naphthalene, 2-et... | 15.44 | 25.8    | ug/l  | 504465   | 4                     | 12.08 | 977932 | 50.0 |
| Naphthalene, 2,6-... | 15.55 | 72.0    | ug/l  | 1408270  | 4                     | 12.08 | 977932 | 50.0 |
| Naphthalene, 2,3-... | 15.69 | 98.4    | ug/l  | 1924050  | 4                     | 12.08 | 977932 | 50.0 |