

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090718\  
 Data File : VW005220.D  
 Acq On : 07 Sep 2018 19:57  
 Operator : SY/AP  
 Sample : J4775-03  
 Misc : 6.36G/5ML/MSVOA W/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 OR-02-090618-B

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\_W\METHOD\82W090118S.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         | 1.959       | 6             | 9           | 20           | rVB      | 22694          | 41019         | 2.56%           | 0.302%        |
| 2         | 2.648       | 117           | 122         | 129          | rVB7     | 10265          | 23139         | 1.45%           | 0.170%        |
| 3         | 2.812       | 144           | 149         | 155          | rVB      | 32613          | 58126         | 3.63%           | 0.428%        |
| 4         | 4.129       | 355           | 365         | 376          | rBV2     | 22088          | 62480         | 3.90%           | 0.460%        |
| 5         | 4.922       | 483           | 495         | 513          | rBV4     | 22808          | 83710         | 5.23%           | 0.616%        |
| 6         | 5.952       | 653           | 664         | 675          | rBV3     | 11084          | 34909         | 2.18%           | 0.257%        |
| 7         | 7.147       | 849           | 860         | 875          | rVV      | 43960          | 129317        | 8.08%           | 0.951%        |
| 8         | 7.891       | 972           | 982         | 987          | rBV      | 216499         | 511341        | 31.95%          | 3.761%        |
| 9         | 7.958       | 987           | 993         | 1006         | rVB      | 582368         | 1283170       | 80.18%          | 9.438%        |
| 10        | 8.311       | 1042          | 1051        | 1062         | rBV      | 217940         | 499242        | 31.20%          | 3.672%        |
| 11        | 8.848       | 1129          | 1139        | 1153         | rBV      | 803174         | 1600276       | 100.00%         | 11.771%       |
| 12        | 9.342       | 1208          | 1220        | 1226         | rBV3     | 20012          | 46512         | 2.91%           | 0.342%        |
| 13        | 10.329      | 1374          | 1382        | 1389         | rBV      | 797123         | 1424887       | 89.04%          | 10.481%       |
| 14        | 10.390      | 1389          | 1392        | 1399         | rVB      | 29575          | 53946         | 3.37%           | 0.397%        |
| 15        | 10.500      | 1405          | 1410        | 1418         | rVB6     | 7866           | 21781         | 1.36%           | 0.160%        |
| 16        | 10.671      | 1433          | 1438        | 1440         | rBV2     | 17145          | 26645         | 1.67%           | 0.196%        |
| 17        | 10.713      | 1440          | 1445        | 1449         | rVV2     | 55068          | 123630        | 7.73%           | 0.909%        |
| 18        | 10.762      | 1450          | 1453        | 1464         | rVV5     | 49507          | 105706        | 6.61%           | 0.778%        |
| 19        | 11.073      | 1494          | 1504        | 1507         | rBV2     | 18167          | 40136         | 2.51%           | 0.295%        |
| 20        | 11.116      | 1507          | 1511        | 1514         | rVV4     | 17241          | 30253         | 1.89%           | 0.223%        |
| 21        | 11.152      | 1514          | 1517        | 1518         | rVV3     | 20100          | 24876         | 1.55%           | 0.183%        |
| 22        | 11.183      | 1518          | 1522        | 1526         | rVV      | 34204          | 66792         | 4.17%           | 0.491%        |
| 23        | 11.238      | 1526          | 1531        | 1538         | rVB2     | 18058          | 40745         | 2.55%           | 0.300%        |
| 24        | 11.445      | 1559          | 1565        | 1572         | rVB4     | 19660          | 42310         | 2.64%           | 0.311%        |
| 25        | 11.634      | 1589          | 1596        | 1607         | rBV      | 899952         | 1560699       | 97.53%          | 11.480%       |
| 26        | 11.737      | 1607          | 1613        | 1616         | rBV3     | 17621          | 31534         | 1.97%           | 0.232%        |
| 27        | 11.847      | 1622          | 1631        | 1634         | rBV3     | 26694          | 75374         | 4.71%           | 0.554%        |
| 28        | 11.878      | 1634          | 1636        | 1641         | rVB2     | 23957          | 31195         | 1.95%           | 0.229%        |
| 29        | 12.170      | 1673          | 1684        | 1692         | rBV2     | 85279          | 195802        | 12.24%          | 1.440%        |
| 30        | 12.347      | 1709          | 1713        | 1717         | rVV5     | 10220          | 20801         | 1.30%           | 0.153%        |
| 31        | 12.621      | 1752          | 1758        | 1766         | rBV      | 567050         | 950502        | 59.40%          | 6.991%        |
| 32        | 12.792      | 1781          | 1786        | 1792         | rBV8     | 8389           | 18066         | 1.13%           | 0.133%        |
| 33        | 12.871      | 1792          | 1799        | 1802         | rBV5     | 19265          | 39797         | 2.49%           | 0.293%        |
| 34        | 12.908      | 1802          | 1805        | 1807         | rVV      | 22496          | 32929         | 2.06%           | 0.242%        |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090718\  
 Data File : VW005220.D  
 Acq On : 07 Sep 2018 19:57  
 Operator : SY/AP  
 Sample : J4775-03  
 Misc : 6.36G/5ML/MSVOA W/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 OR-02-090618-B

## 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\_W\METHOD\82W090118S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |         |        |         |
|----|--------|------|------|------|------|--------|---------|--------|---------|
| 35 | 12.951 | 1807 | 1812 | 1818 | rVB  | 63525  | 108967  | 6.81%  | 0.801%  |
| 36 | 13.109 | 1832 | 1838 | 1845 | rVB  | 32075  | 60722   | 3.79%  | 0.447%  |
| 37 | 13.262 | 1857 | 1863 | 1867 | rVB  | 27397  | 41235   | 2.58%  | 0.303%  |
| 38 | 13.451 | 1891 | 1894 | 1898 | rBV2 | 10405  | 17600   | 1.10%  | 0.129%  |
| 39 | 13.566 | 1907 | 1913 | 1923 | rVB2 | 787839 | 1366542 | 85.39% | 10.051% |
| 40 | 13.725 | 1933 | 1939 | 1941 | rBV5 | 12965  | 25218   | 1.58%  | 0.185%  |
| 41 | 13.762 | 1941 | 1945 | 1948 | rVV2 | 50134  | 88015   | 5.50%  | 0.647%  |
| 42 | 13.798 | 1948 | 1951 | 1960 | rVB2 | 44639  | 71594   | 4.47%  | 0.527%  |
| 43 | 13.883 | 1961 | 1965 | 1970 | rBV4 | 21051  | 35062   | 2.19%  | 0.258%  |
| 44 | 13.944 | 1970 | 1975 | 1981 | rBV2 | 45301  | 80065   | 5.00%  | 0.589%  |
| 45 | 14.085 | 1995 | 1998 | 1999 | rBV  | 17635  | 19670   | 1.23%  | 0.145%  |
| 46 | 14.213 | 2014 | 2019 | 2023 | rBV4 | 35821  | 63391   | 3.96%  | 0.466%  |
| 47 | 14.347 | 2036 | 2041 | 2045 | rBV2 | 22968  | 36867   | 2.30%  | 0.271%  |
| 48 | 14.402 | 2046 | 2050 | 2051 | rVV3 | 12735  | 18826   | 1.18%  | 0.138%  |
| 49 | 14.426 | 2051 | 2054 | 2057 | rVV2 | 26861  | 41093   | 2.57%  | 0.302%  |
| 50 | 14.469 | 2057 | 2061 | 2065 | rVV  | 46225  | 68492   | 4.28%  | 0.504%  |
| 51 | 14.511 | 2065 | 2068 | 2071 | rVV  | 15432  | 23474   | 1.47%  | 0.173%  |
| 52 | 14.554 | 2071 | 2075 | 2082 | rVB6 | 18976  | 42116   | 2.63%  | 0.310%  |
| 53 | 14.700 | 2094 | 2099 | 2102 | rBV3 | 19616  | 32411   | 2.03%  | 0.238%  |
| 54 | 14.804 | 2110 | 2116 | 2124 | rBV2 | 79781  | 183118  | 11.44% | 1.347%  |
| 55 | 14.883 | 2124 | 2129 | 2134 | rBV3 | 30822  | 56724   | 3.54%  | 0.417%  |
| 56 | 14.969 | 2137 | 2143 | 2153 | rBV4 | 80490  | 163384  | 10.21% | 1.202%  |
| 57 | 15.078 | 2156 | 2161 | 2165 | rBV6 | 24397  | 53057   | 3.32%  | 0.390%  |
| 58 | 15.188 | 2174 | 2179 | 2185 | rVB3 | 28806  | 60402   | 3.77%  | 0.444%  |
| 59 | 15.328 | 2198 | 2202 | 2204 | rBV3 | 12659  | 21680   | 1.35%  | 0.159%  |
| 60 | 15.377 | 2204 | 2210 | 2221 | rVB  | 337611 | 580985  | 36.31% | 4.273%  |
| 61 | 15.481 | 2223 | 2227 | 2231 | rBV3 | 23767  | 43944   | 2.75%  | 0.323%  |
| 62 | 15.743 | 2267 | 2270 | 2277 | rVB8 | 10976  | 20719   | 1.29%  | 0.152%  |
| 63 | 15.975 | 2303 | 2308 | 2313 | rBV5 | 15169  | 33258   | 2.08%  | 0.245%  |
| 64 | 16.188 | 2336 | 2343 | 2349 | rBV7 | 18845  | 49366   | 3.08%  | 0.363%  |
| 65 | 16.395 | 2372 | 2377 | 2381 | rBV2 | 15220  | 25176   | 1.57%  | 0.185%  |
| 66 | 16.456 | 2381 | 2387 | 2402 | rVB  | 117234 | 271231  | 16.95% | 1.995%  |
| 67 | 16.657 | 2412 | 2420 | 2430 | rBV  | 166553 | 398683  | 24.91% | 2.932%  |
| 68 | 16.761 | 2432 | 2437 | 2441 | rBV2 | 30008  | 60699   | 3.79%  | 0.446%  |

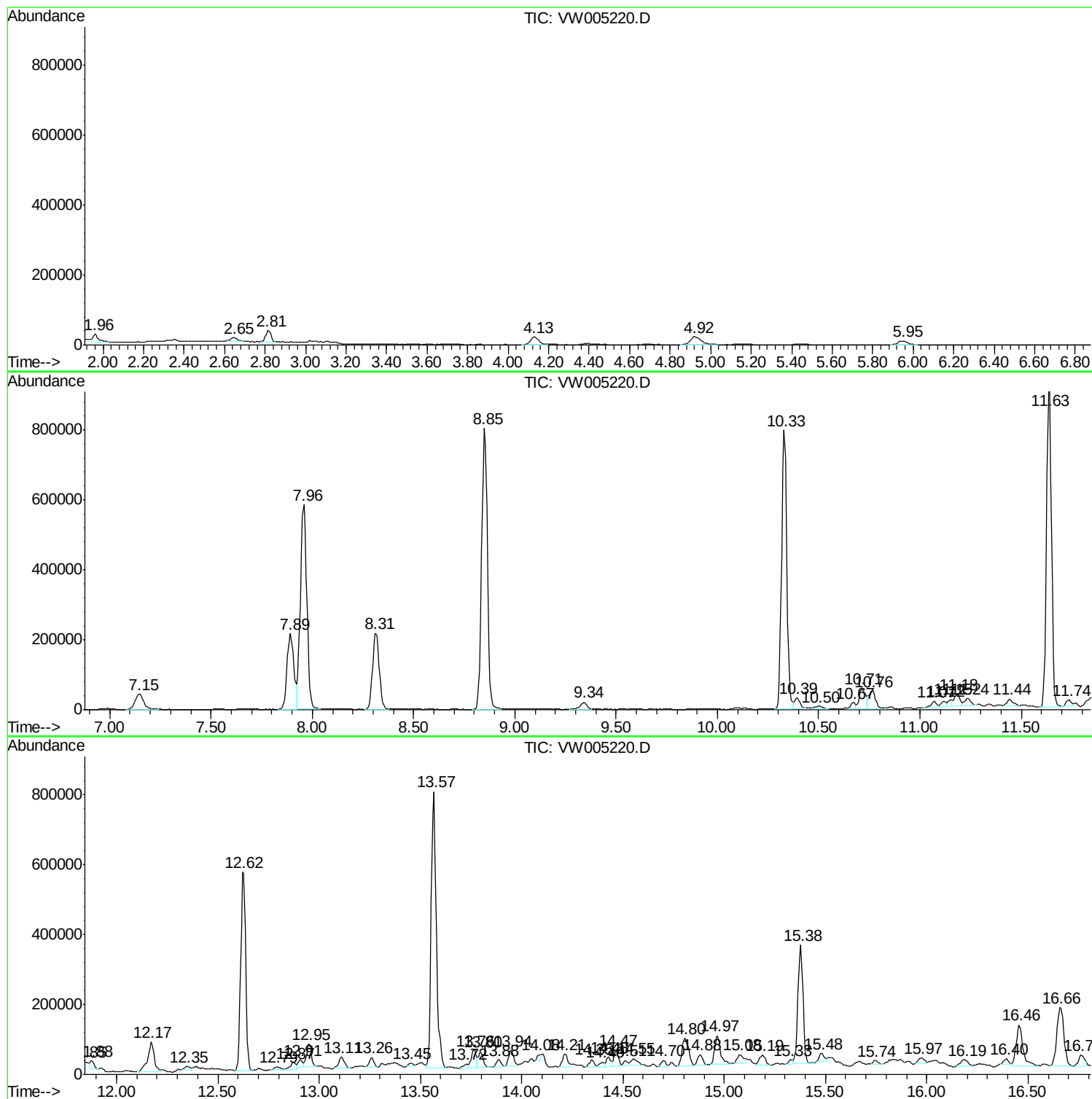
Sum of corrected areas: 13595433

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090718\  
Data File : VW005220.D  
Acq On : 07 Sep 2018 19:57  
Operator : SY/AP  
Sample : J4775-03  
Misc : 6.36G/5ML/MSVOA W/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
OR-02-090618-B

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090718\  
Data File : VW005220.D  
Acq On : 07 Sep 2018 19:57  
Operator : SY/AP  
Sample : J4775-03  
Misc : 6.36G/5ML/MSVOA W/SOIL  
ALS Vial : 20 Sample Multiplier: 1

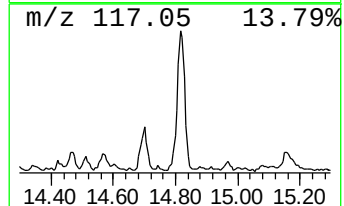
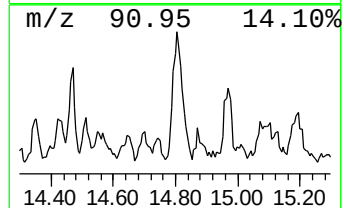
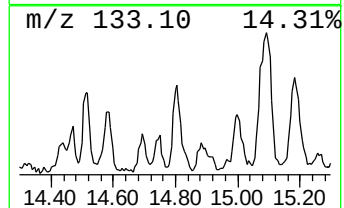
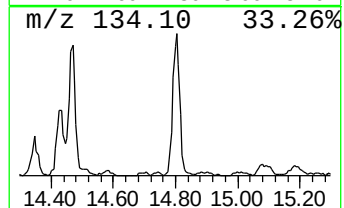
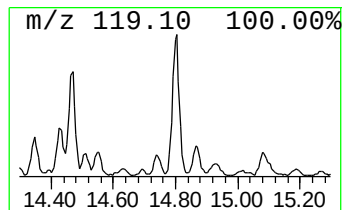
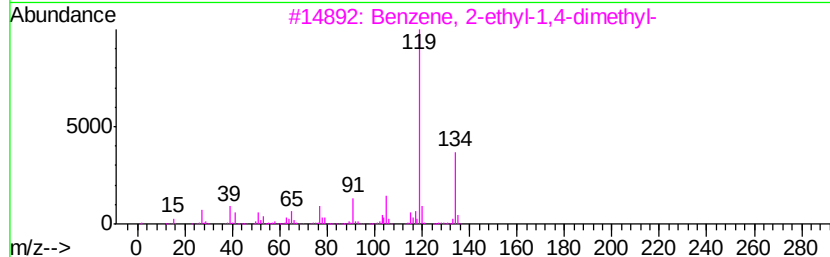
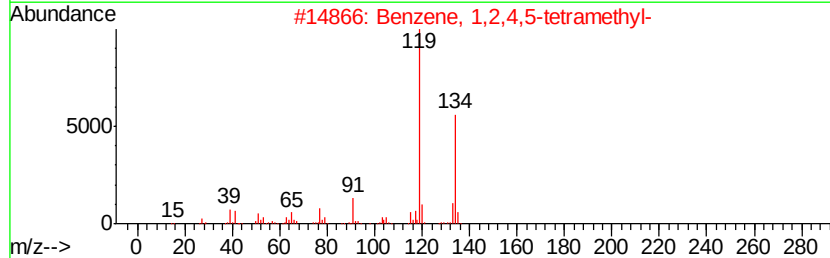
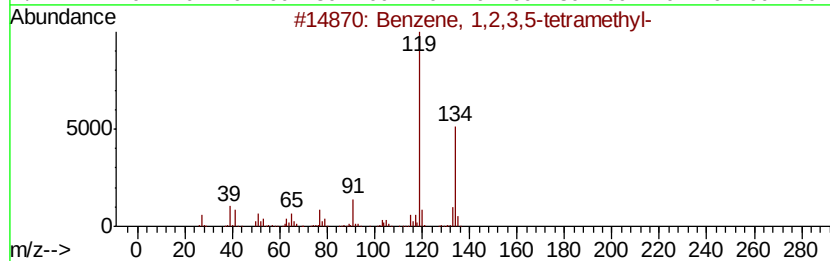
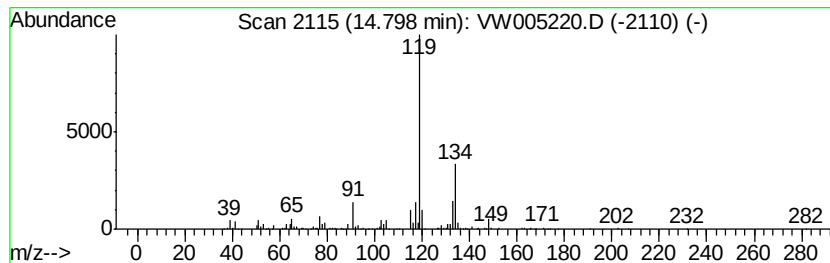
Instrument :  
MSVOA\_W  
ClientSampleId :  
OR-02-090618-B

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 3

| R.T.    | EstConc                        | Area         | Relative to ISTD       | R.T.        |      |      |
|---------|--------------------------------|--------------|------------------------|-------------|------|------|
| 14.80   | 6.70 ug/l                      | 183118       | 1,4-Dichlorobenzene-d4 | 13.57       |      |      |
| Hit# of | 5                              | Tentative ID | MW                     | MolForm     | CAS# | Qual |
| 1       | Benzene, 1,2,3,5-tetramethyl-  | 134          | C10H14                 | 000527-53-7 | 81   |      |
| 2       | Benzene, 1,2,4,5-tetramethyl-  | 134          | C10H14                 | 000095-93-2 | 81   |      |
| 3       | Benzene, 2-ethyl-1,4-dimethyl- | 134          | C10H14                 | 001758-88-9 | 76   |      |
| 4       | Benzene, 2-ethyl-1,3-dimethyl- | 134          | C10H14                 | 002870-04-4 | 76   |      |
| 5       | Benzene, 1-ethyl-2,3-dimethyl- | 134          | C10H14                 | 000933-98-2 | 76   |      |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090718\  
Data File : VW005220.D  
Acq On : 07 Sep 2018 19:57  
Operator : SY/AP  
Sample : J4775-03  
Misc : 6.36G/5ML/MSVOA W/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
OR-02-090618-B

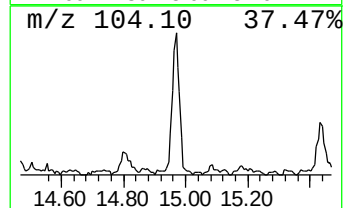
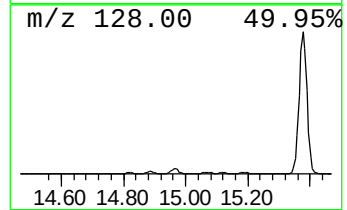
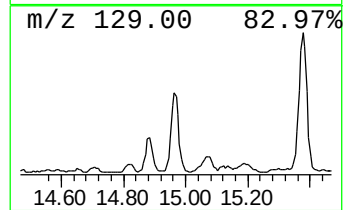
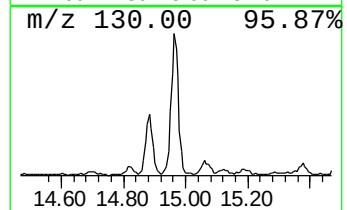
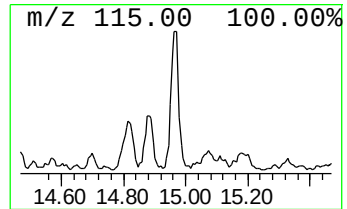
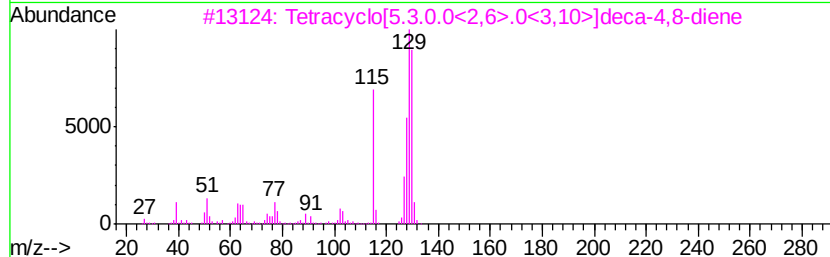
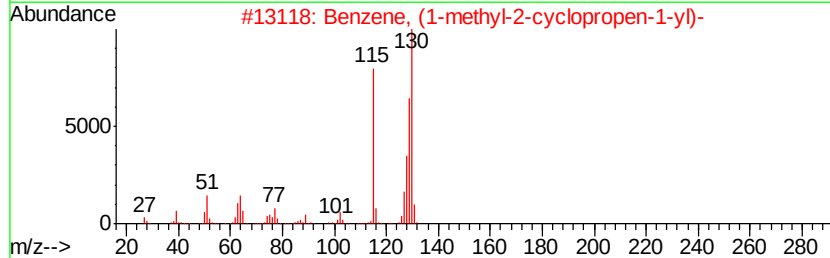
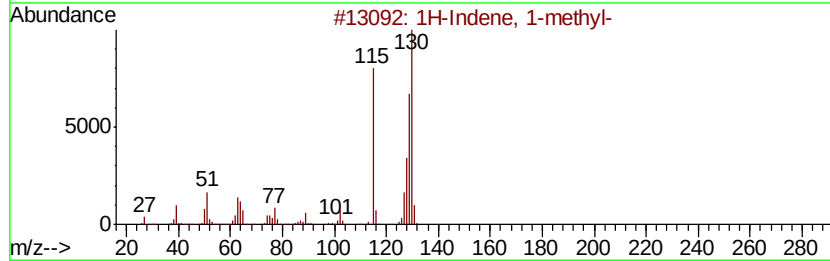
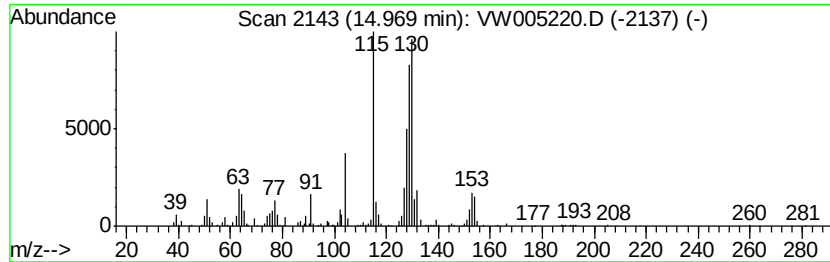
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 1H-Indene, 1-methyl- Concentration Rank 4

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 14.97 | 5.98 ug/l | 163384 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 1-methyl-                | 130 | C10H10  | 000767-59-9 | 94   |
| 2    |    | Benzene, (1-methyl-2-cyclopropen... | 130 | C10H10  | 065051-83-4 | 94   |
| 3    |    | Tetracyclo[5.3.0.0<2,6>.0<3,10>]... | 130 | C10H10  | 034324-40-8 | 90   |
| 4    |    | Benzene, 1-butynyl-                 | 130 | C10H10  | 000622-76-4 | 89   |
| 5    |    | 2-Methylindene                      | 130 | C10H10  | 002177-47-1 | 89   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090718\  
Data File : VW005220.D  
Acq On : 07 Sep 2018 19:57  
Operator : SY/AP  
Sample : J4775-03  
Misc : 6.36G/5ML/MSVOA W/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
OR-02-090618-B

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
Quant Title : SW846 8260

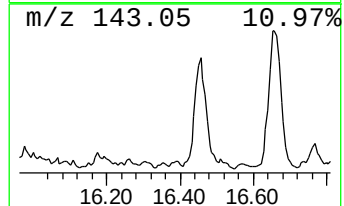
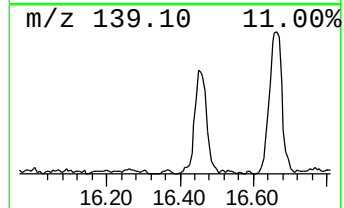
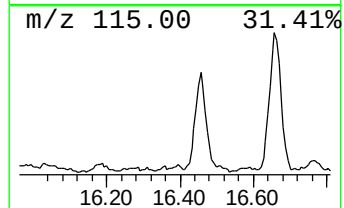
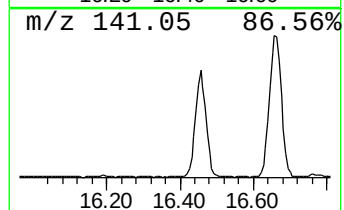
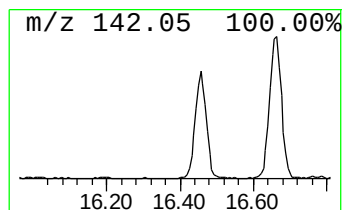
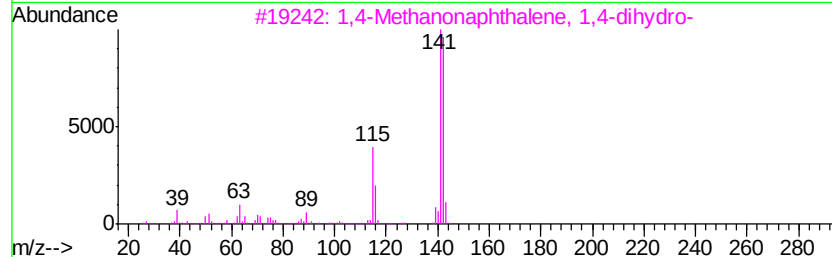
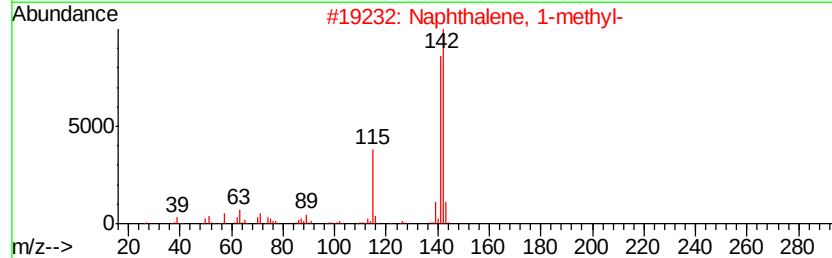
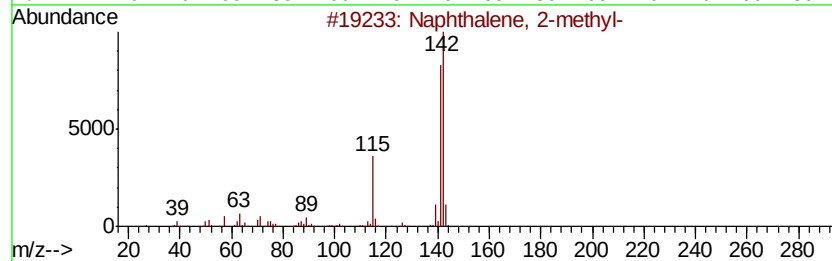
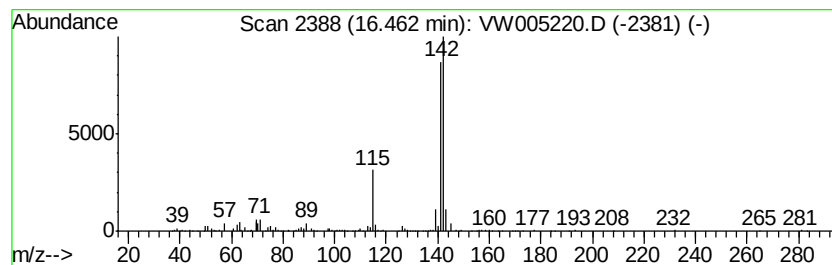
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 2

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 16.46 | 9.92 ug/l | 271231 | 1,4-Dichlorobenzene-d4 | 13.57 |

| 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 | 78   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW090718\  
Data File : VW005220.D  
Acq On : 07 Sep 2018 19:57  
Operator : SY/AP  
Sample : J4775-03  
Misc : 6.36G/5ML/MSVOA\_W/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
OR-02-090618-B

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.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, 1,2,3,5-... | 14.80 | 6.7     | ug/l  | 183118   | 4                       | 13.57 | 1366540 | 50.0 |
| 1H-Indene, 1-methyl- | 14.97 | 6.0     | ug/l  | 163384   | 4                       | 13.57 | 1366540 | 50.0 |
| Naphthalene, 1-me... | 16.46 | 9.9     | ug/l  | 271231   | 4                       | 13.57 | 1366540 | 50.0 |