

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0072519\  
 Data File : P0058349.D  
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
 Acq On : 24 Jul 2019 10:28  
 Operator : SM/AJ  
 Sample : K3964-02  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jul 24 10:50:40 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0071719.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jul 17 11:13:08 2019  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml   | ng/ml     |
|-----------------------------|-----------------|-------|-------|---------|---------|---------|-----------|
| -----                       |                 |       |       |         |         |         |           |
| System Monitoring Compounds |                 |       |       |         |         |         |           |
| 1)                          | SA Tetrachlo... | 4.189 | 3.530 | 999275  | 872566  | 29.489  | 27.205    |
| 2)                          | SA Decachlor... | 9.694 | 8.427 | 1655405 | 1070561 | 32.358  | 31.234    |
| Target Compounds            |                 |       |       |         |         |         |           |
| 3)                          | L1 AR-1016-1    | 5.358 | 0.000 | 25072   | 0       | 16.246  | N.D. #    |
| 4)                          | L1 AR-1016-2    | 5.358 | 0.000 | 25072   | 0       | 11.100  | N.D. #    |
| 7)                          | L1 AR-1016-5    | 5.813 | 0.000 | 15159   | 0       | 13.215  | N.D. #    |
| 10)                         | L2 AR-1221-3    | 4.642 | 3.941 | 38161   | 33550   | 38.419  | 39.604    |
| 11)                         | L3 AR-1232-1    | 4.642 | 3.941 | 38161   | 33550   | 46.449  | 47.593    |
| 12)                         | L3 AR-1232-2    | 5.024 | 0.000 | 19764   | 0       | 42.735  | N.D. #    |
| 13)                         | L3 AR-1232-3    | 5.358 | 0.000 | 25072   | 0       | 25.174  | N.D. #    |
| 15)                         | L3 AR-1232-5    | 5.618 | 0.000 | 15203   | 0       | 40.318  | N.D. #    |
| 16)                         | L4 AR-1242-1    | 5.358 | 0.000 | 25072   | 0       | 20.471  | N.D. #    |
| 17)                         | L4 AR-1242-2    | 5.358 | 0.000 | 25072   | 0       | 13.655  | N.D. #    |
| 20)                         | L4 AR-1242-5    | 6.281 | 5.376 | 17438   | 24709   | 15.058  | 25.931 #  |
| 21)                         | L5 AR-1248-1    | 5.358 | 0.000 | 25072   | 0       | 26.820  | N.D. #    |
| 22)                         | L5 AR-1248-2    | 5.618 | 0.000 | 15203   | 0       | 11.283  | N.D. #    |
| 23)                         | L5 AR-1248-3    | 5.813 | 0.000 | 15159   | 0       | 9.778   | N.D. #    |
| 24)                         | L5 AR-1248-4    | 6.214 | 0.000 | 25603   | 0       | 13.077  | N.D. #    |
| 25)                         | L5 AR-1248-5    | 6.281 | 5.376 | 17438   | 24709   | 9.150   | 19.545 #  |
| 26)                         | L6 AR-1254-1    | 6.189 | 5.376 | 53722   | 24709   | 27.337  | 12.127 #  |
| 27)                         | L6 AR-1254-2    | 6.403 | 5.523 | 77016   | 16862   | 23.559  | 9.305 #   |
| 28)                         | L6 AR-1254-3    | 6.767 | 5.921 | 154179  | 120268  | 43.704  | 41.069    |
| 29)                         | L6 AR-1254-4    | 7.047 | 6.146 | 100881  | 20497   | 34.095  | 11.093 #  |
| 30)                         | L6 AR-1254-5    | 7.460 | 6.556 | 413799  | 226210  | 140.976 | 83.212 #  |
| 31)                         | L7 AR-1260-1    | 6.924 | 6.046 | 400950  | 163402  | 160.308 | 80.685 #  |
| 32)                         | L7 AR-1260-2    | 7.177 | 6.235 | 416437  | 149110  | 118.445 | 57.983 #  |
| 33)                         | L7 AR-1260-3    | 7.534 | 6.384 | 451922  | 149866  | 153.914 | 65.710 #  |
| 34)                         | L7 AR-1260-4    | 7.759 | 6.848 | 447039  | 196195  | 163.646 | 101.327 # |
| 35)                         | L7 AR-1260-5    | 8.064 | 7.091 | 604477  | 426166  | 104.195 | 92.594    |
| 36)                         | L8 AR-1262-1    | 7.534 | 6.591 | 451922  | 241776  | 81.799  | 60.869 #  |
| 37)                         | L8 AR-1262-2    | 8.064 | 7.091 | 604477  | 426166  | 71.084  | 65.978    |
| 38)                         | L8 AR-1262-3    | 8.367 | 7.368 | 168966  | 240510  | 30.017  | 87.256 #  |
| 39)                         | L8 AR-1262-4    | 8.432 | 7.433 | 174039  | 415012  | 38.146  | 86.919 #  |
| 40)                         | L8 AR-1262-5    | 9.032 | 7.925 | 189974  | 174197  | 68.371  | 87.584 #  |
| 41)                         | L9 AR-1268-1    | 8.367 | 7.368 | 168966  | 240510  | 16.432  | 30.807 #  |
| 42)                         | L9 AR-1268-2    | 8.432 | 7.433 | 174039  | 415012  | 19.002  | 58.247 #  |
| 43)                         | L9 AR-1268-3    | 8.635 | 7.631 | 271222  | 219942  | 33.961  | 36.514    |
| 44)                         | L9 AR-1268-4    | 9.032 | 7.925 | 189974  | 174197  | 64.110  | 83.276 #  |
| 45)                         | L9 AR-1268-5    | 9.399 | 8.196 | 613650  | 474280  | 28.171  | 28.441    |
| -----                       |                 |       |       |         |         |         |           |

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

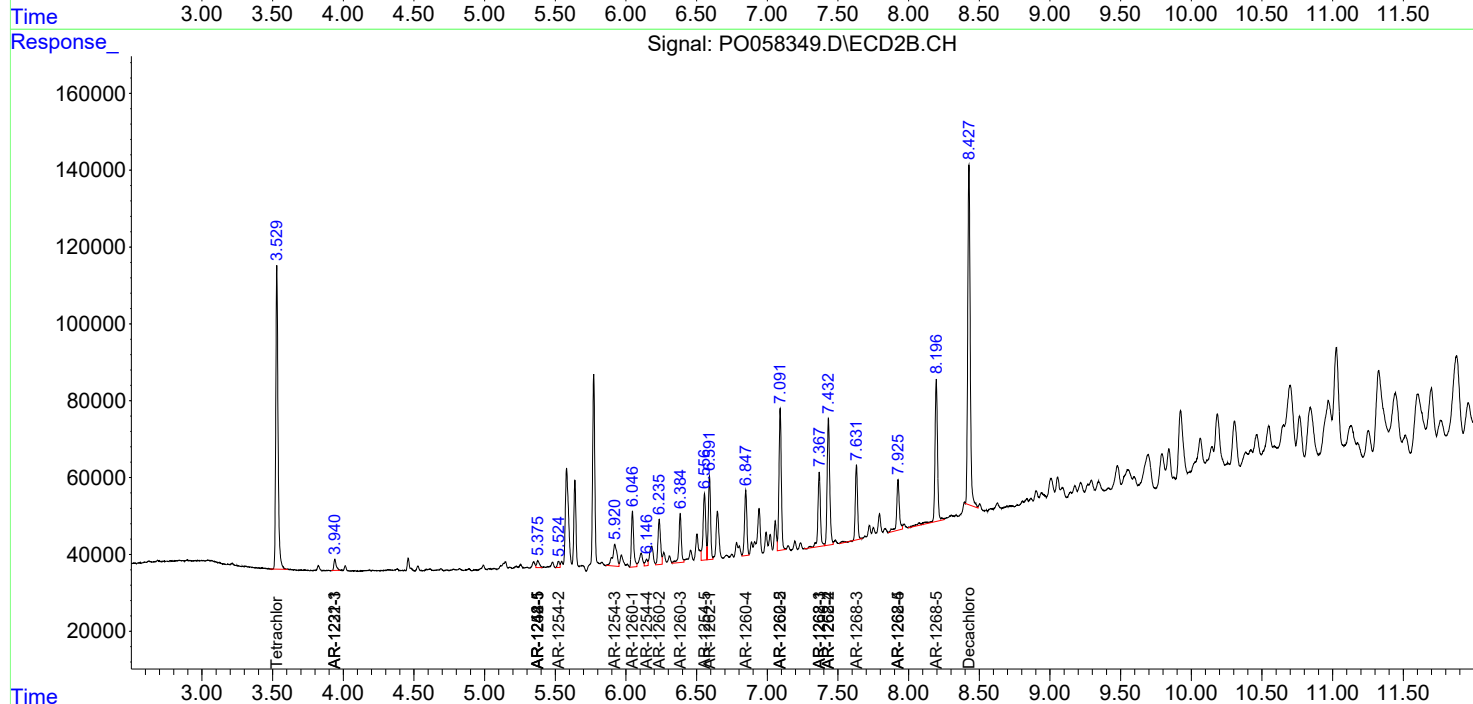
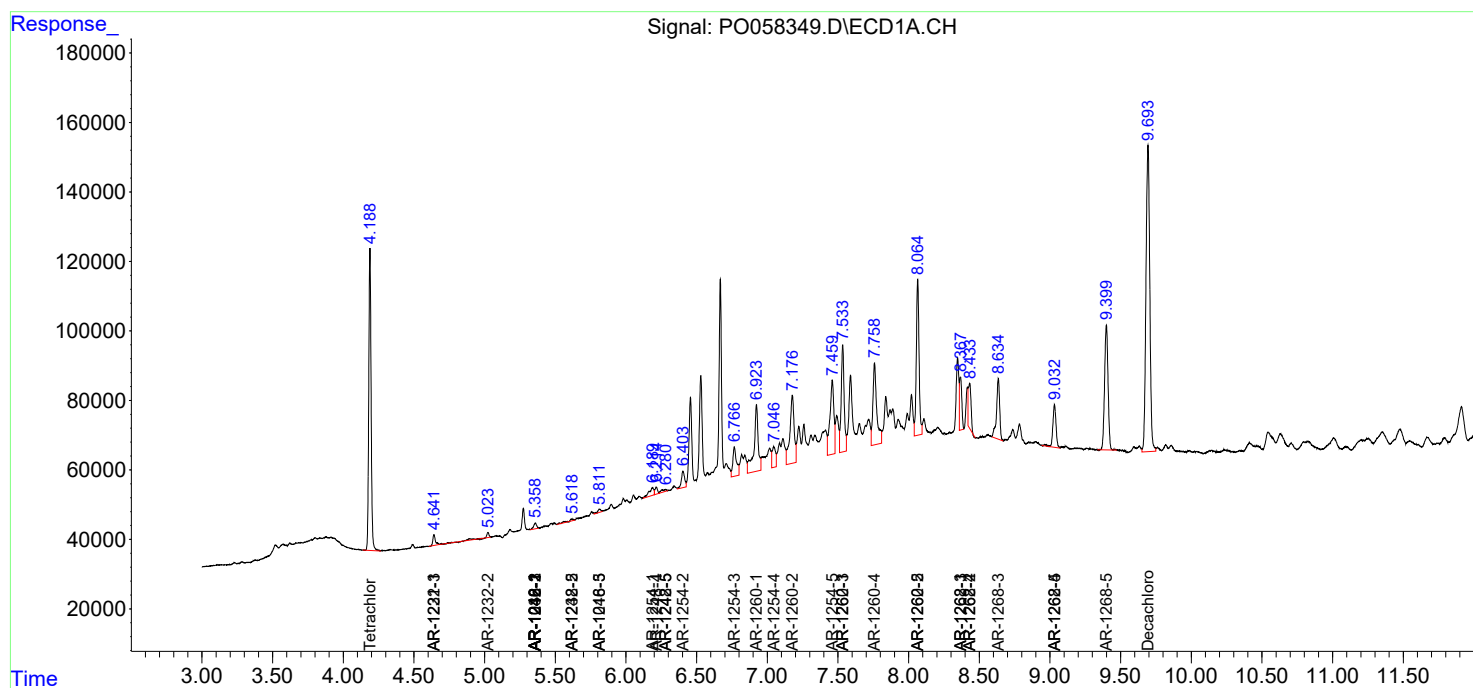
Instrument :  
ECD\_O  
ClientSampleId :

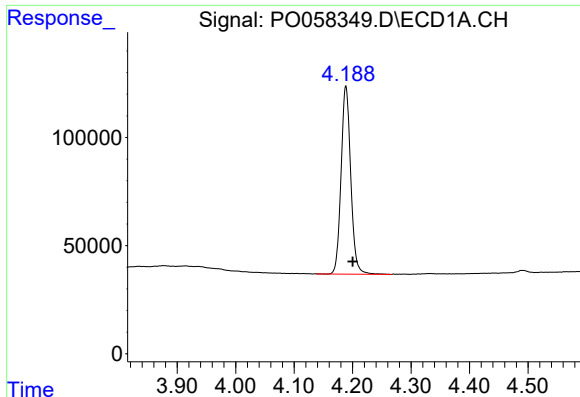
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0072519\  
Data File : P0058349.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 24 Jul 2019 10:28  
Operator : SM/AJ  
Sample : K3964-02  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampled :

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jul 24 10:50:40 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0071719.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jul 17 11:13:08 2019  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

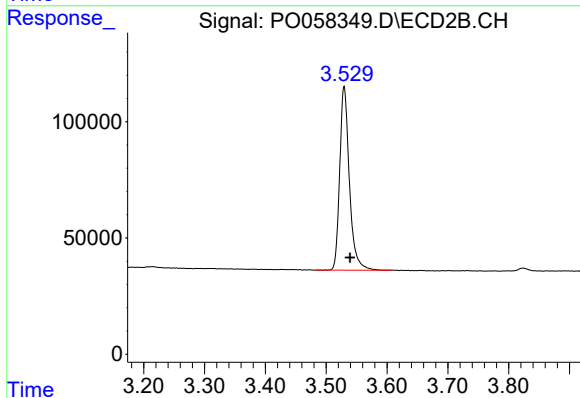




#1 Tetrachloro-m-xylene

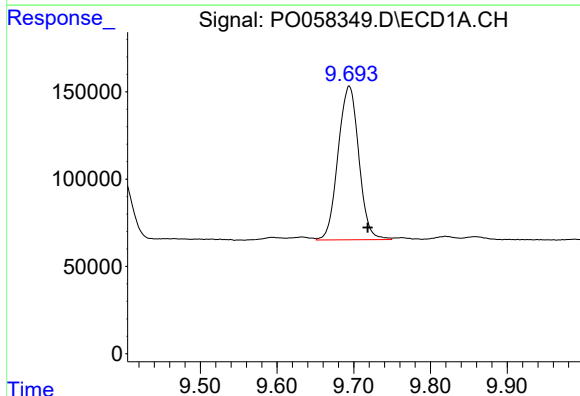
R.T.: 4.189 min  
Delta R.T.: -0.011 min  
Response: 999275  
Conc: 29.49 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



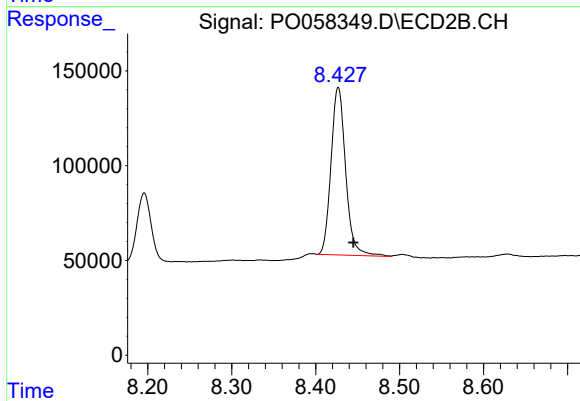
#1 Tetrachloro-m-xylene

R.T.: 3.530 min  
Delta R.T.: -0.010 min  
Response: 872566  
Conc: 27.21 ng/ml



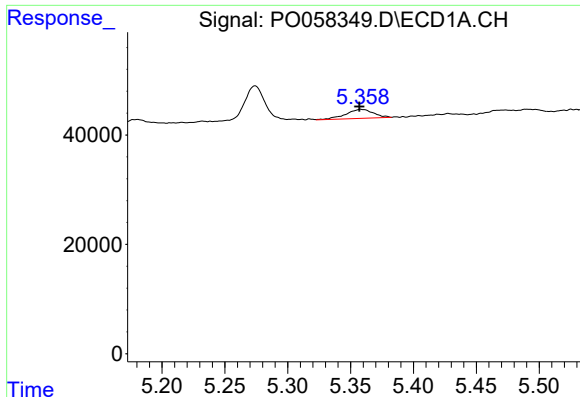
#2 Decachlorobiphenyl

R.T.: 9.694 min  
Delta R.T.: -0.024 min  
Response: 1655405  
Conc: 32.36 ng/ml



#2 Decachlorobiphenyl

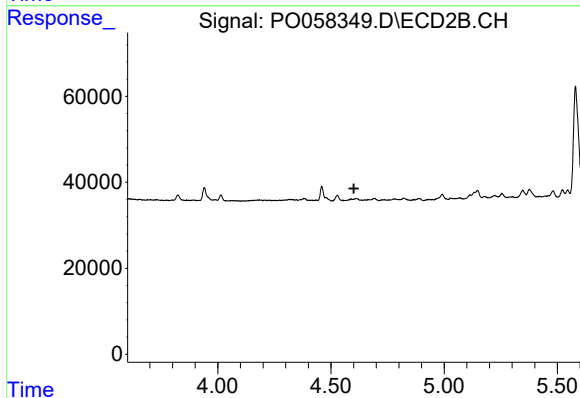
R.T.: 8.427 min  
Delta R.T.: -0.018 min  
Response: 1070561  
Conc: 31.23 ng/ml



#3 AR-1016-1

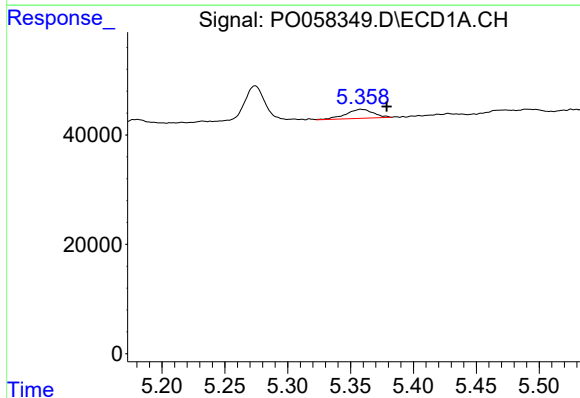
R.T.: 5.358 min  
Delta R.T.: 0.001 min  
Response: 25072  
Conc: 16.25 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



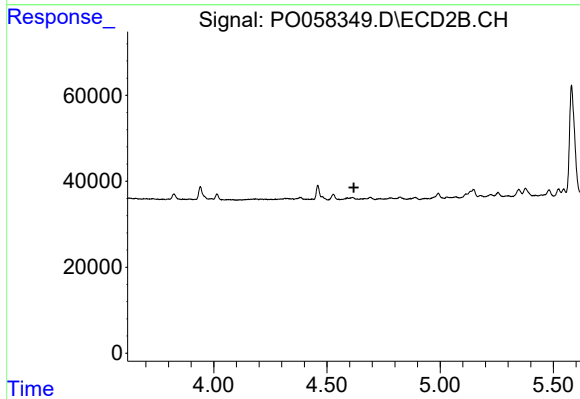
#3 AR-1016-1

R.T.: 0.000 min  
Exp R.T. : 4.601 min  
Response: 0  
Conc: N.D.



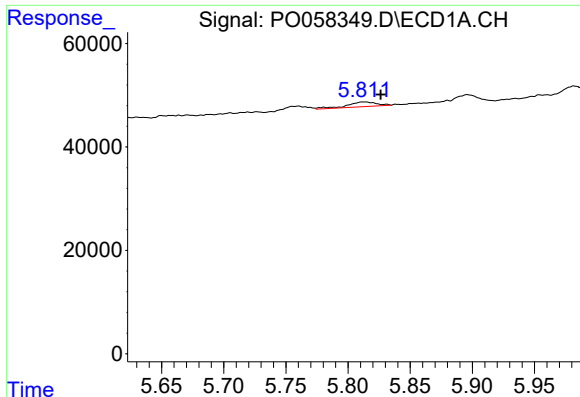
#4 AR-1016-2

R.T.: 5.358 min  
Delta R.T.: -0.020 min  
Response: 25072  
Conc: 11.10 ng/ml



#4 AR-1016-2

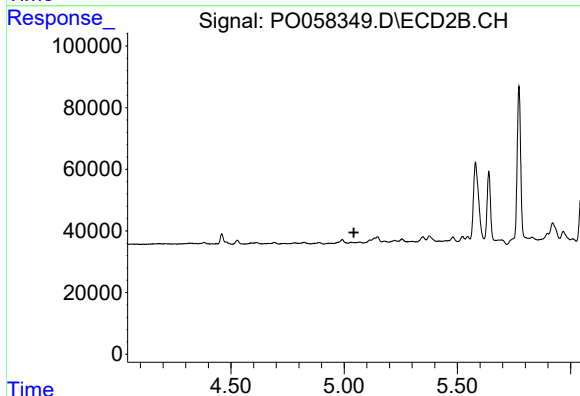
R.T.: 0.000 min  
Exp R.T. : 4.619 min  
Response: 0  
Conc: N.D.



#7 AR-1016-5

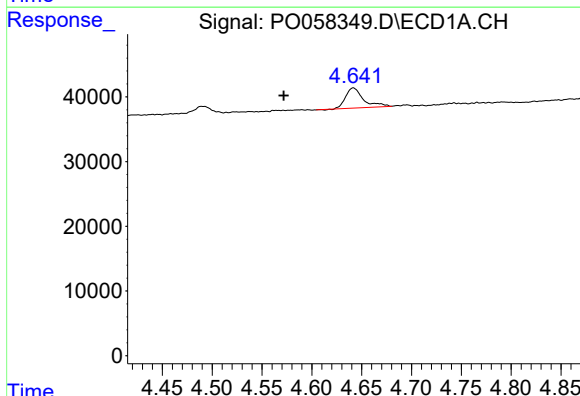
R.T.: 5.813 min  
Delta R.T.: -0.014 min  
Response: 15159  
Conc: 13.22 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



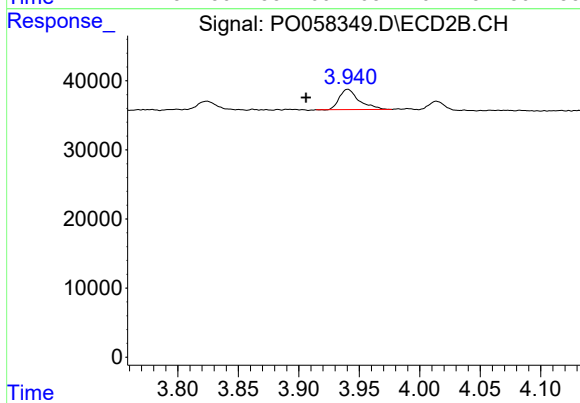
#7 AR-1016-5

R.T.: 0.000 min  
Exp R.T. : 5.043 min  
Response: 0  
Conc: N.D.



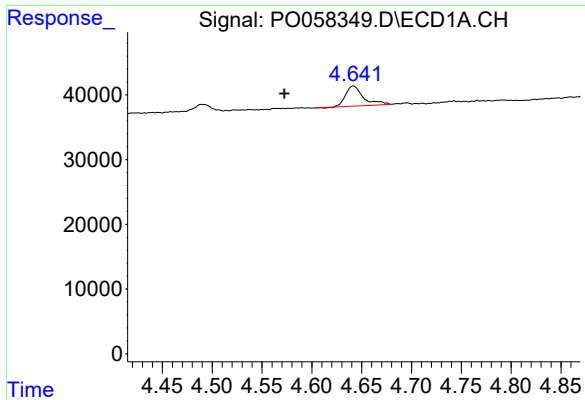
#10 AR-1221-3

R.T.: 4.642 min  
Delta R.T.: 0.070 min  
Response: 38161  
Conc: 38.42 ng/ml



#10 AR-1221-3

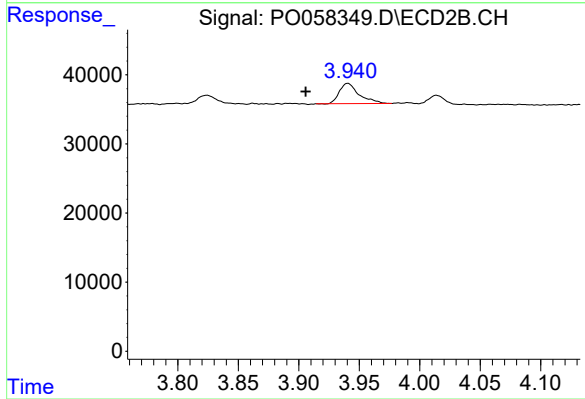
R.T.: 3.941 min  
Delta R.T.: 0.034 min  
Response: 33550  
Conc: 39.60 ng/ml



#11 AR-1232-1

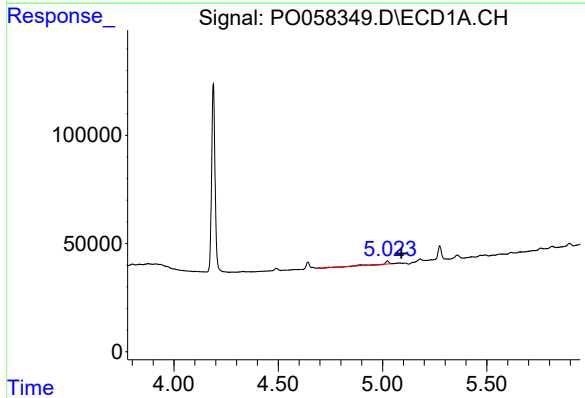
R.T.: 4.642 min  
Delta R.T.: 0.069 min  
Response: 38161  
Conc: 46.45 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



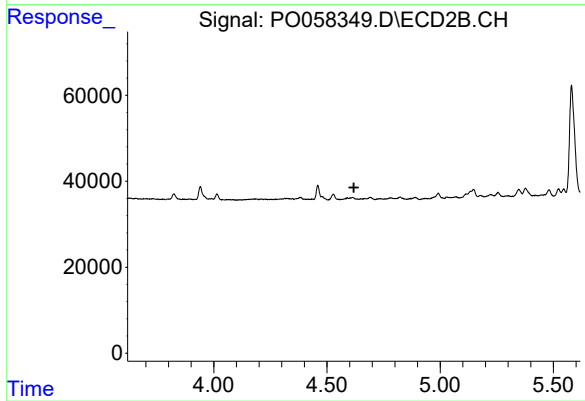
#11 AR-1232-1

R.T.: 3.941 min  
Delta R.T.: 0.035 min  
Response: 33550  
Conc: 47.59 ng/ml



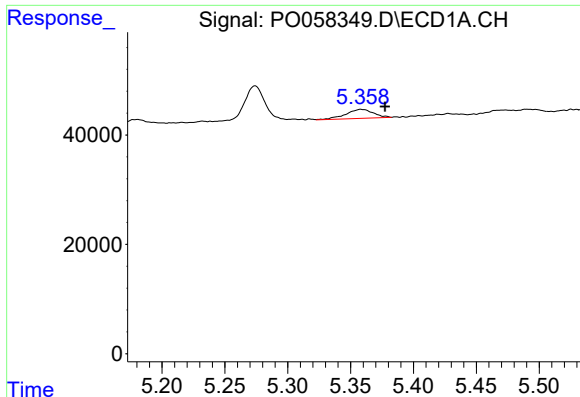
#12 AR-1232-2

R.T.: 5.024 min  
Delta R.T.: -0.067 min  
Response: 19764  
Conc: 42.73 ng/ml



#12 AR-1232-2

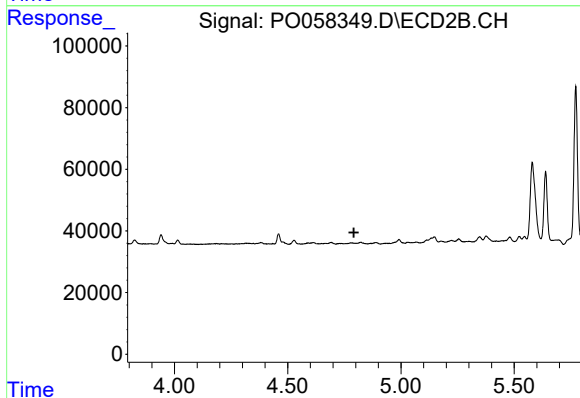
R.T.: 0.000 min  
Exp R.T.: 4.619 min  
Response: 0  
Conc: N.D.



#13 AR-1232-3

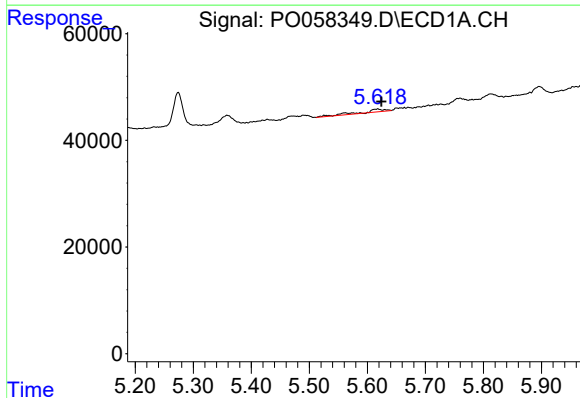
R.T.: 5.358 min  
Delta R.T.: -0.019 min  
Response: 25072  
Conc: 25.17 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



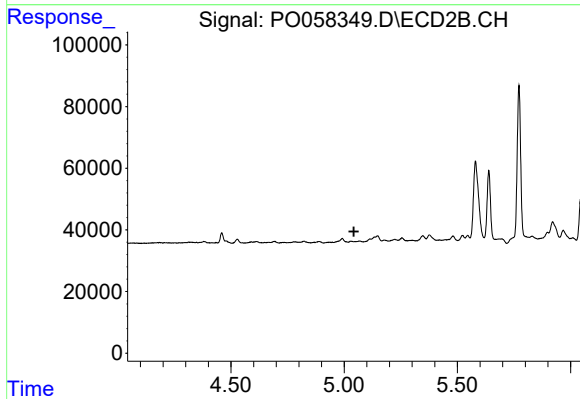
#13 AR-1232-3

R.T.: 0.000 min  
Exp R.T. : 4.792 min  
Response: 0  
Conc: N.D.



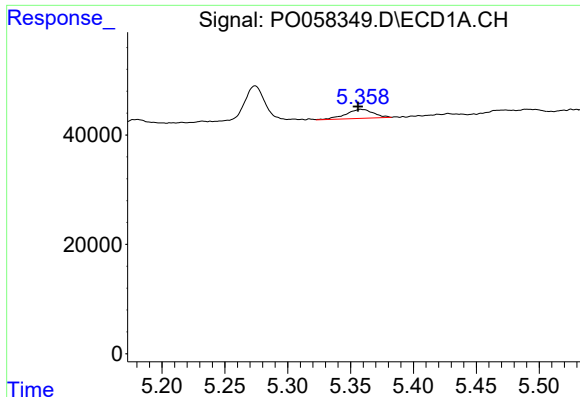
#15 AR-1232-5

R.T.: 5.618 min  
Delta R.T.: -0.006 min  
Response: 15203  
Conc: 40.32 ng/ml



#15 AR-1232-5

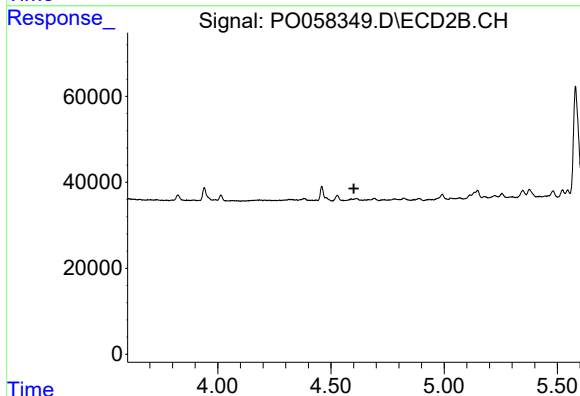
R.T.: 0.000 min  
Exp R.T. : 5.043 min  
Response: 0  
Conc: N.D.



#16 AR-1242-1

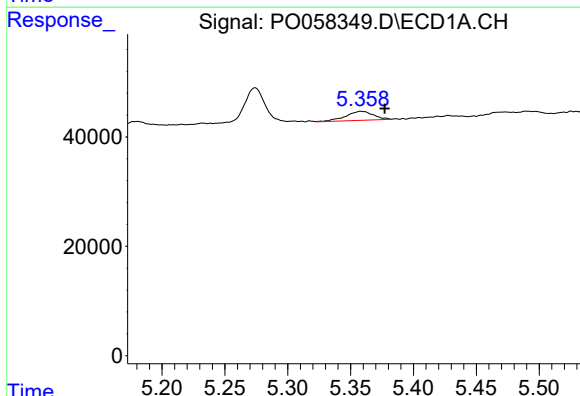
R.T.: 5.358 min  
Delta R.T.: 0.002 min  
Response: 25072  
Conc: 20.47 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



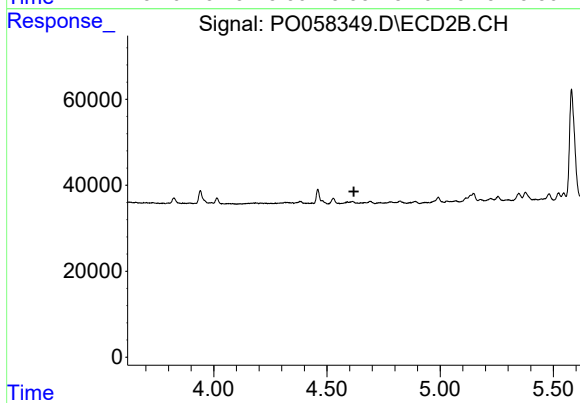
#16 AR-1242-1

R.T.: 0.000 min  
Exp R.T. : 4.601 min  
Response: 0  
Conc: N.D.



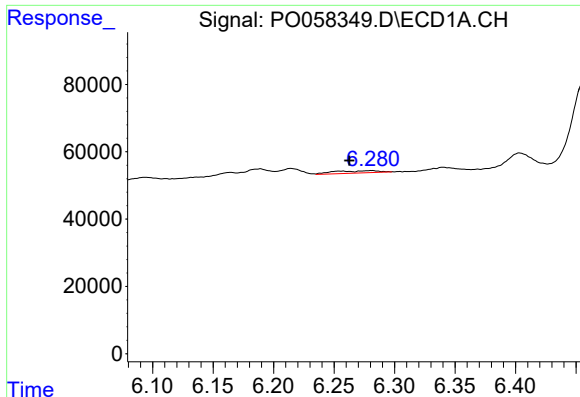
#17 AR-1242-2

R.T.: 5.358 min  
Delta R.T.: -0.019 min  
Response: 25072  
Conc: 13.66 ng/ml



#17 AR-1242-2

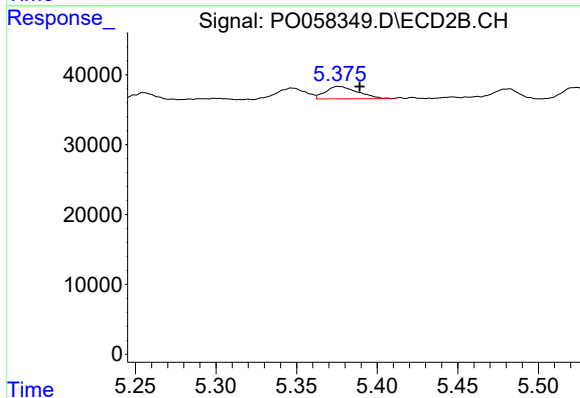
R.T.: 0.000 min  
Exp R.T. : 4.619 min  
Response: 0  
Conc: N.D.



#20 AR-1242-5

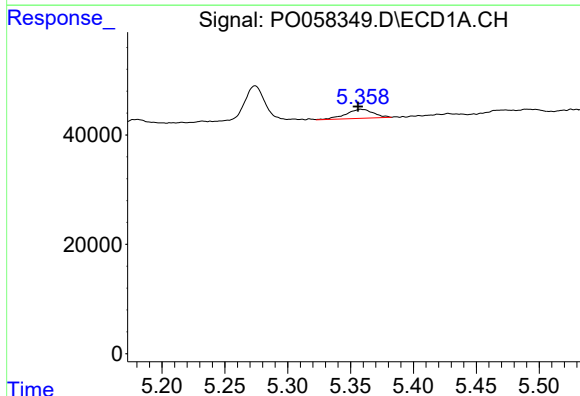
R.T.: 6.281 min  
Delta R.T.: 0.018 min  
Response: 17438  
Conc: 15.06 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



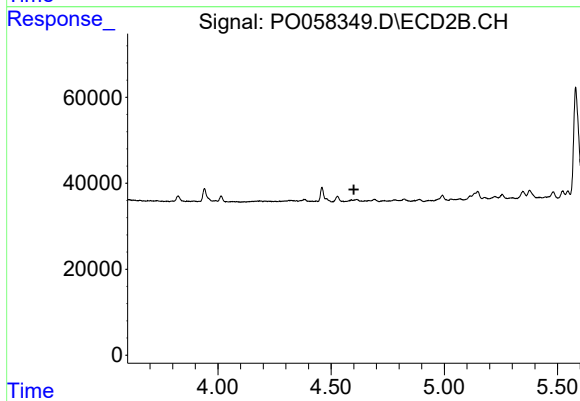
#20 AR-1242-5

R.T.: 5.376 min  
Delta R.T.: -0.013 min  
Response: 24709  
Conc: 25.93 ng/ml



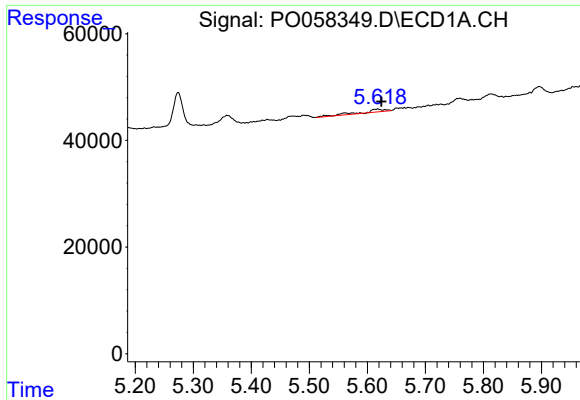
#21 AR-1248-1

R.T.: 5.358 min  
Delta R.T.: 0.003 min  
Response: 25072  
Conc: 26.82 ng/ml



#21 AR-1248-1

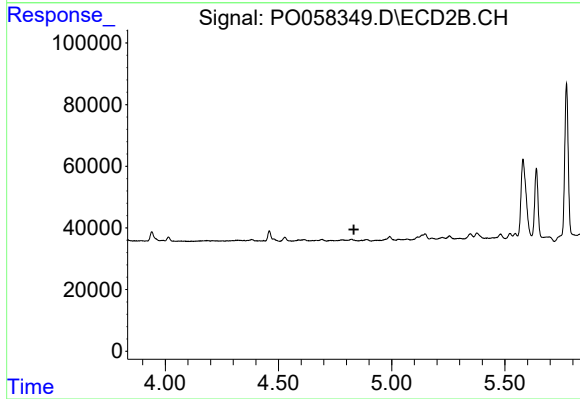
R.T.: 0.000 min  
Exp R.T.: 4.601 min  
Response: 0  
Conc: N.D.



#22 AR-1248-2

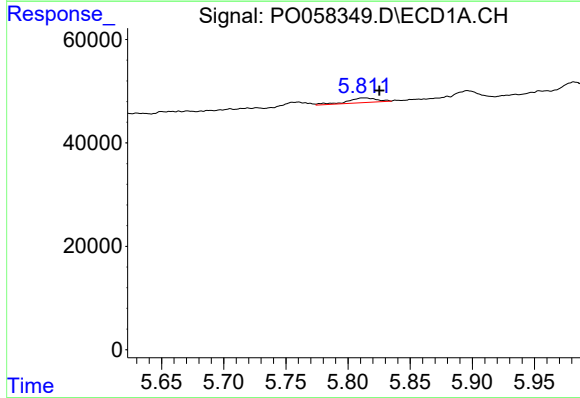
R.T.: 5.618 min  
Delta R.T.: -0.006 min  
Response: 15203  
Conc: 11.28 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



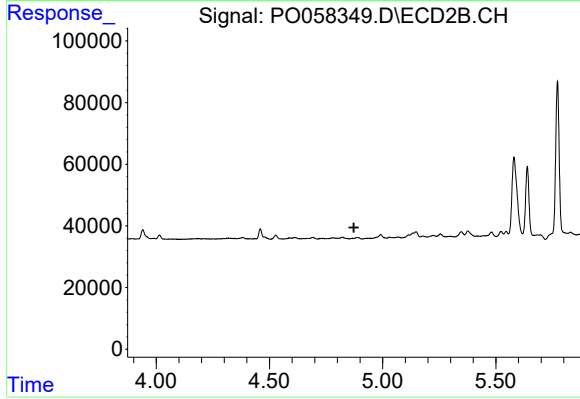
#22 AR-1248-2

R.T.: 0.000 min  
Exp R.T. : 4.833 min  
Response: 0  
Conc: N.D.



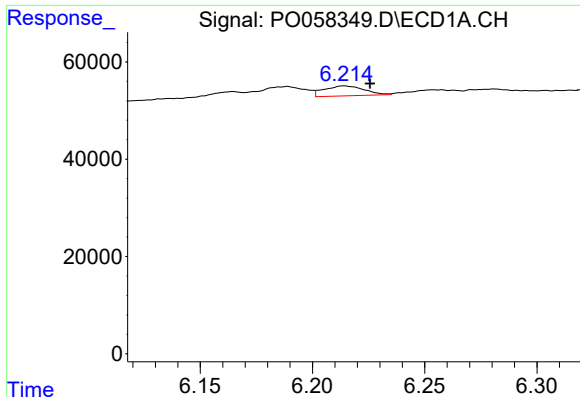
#23 AR-1248-3

R.T.: 5.813 min  
Delta R.T.: -0.013 min  
Response: 15159  
Conc: 9.78 ng/ml



#23 AR-1248-3

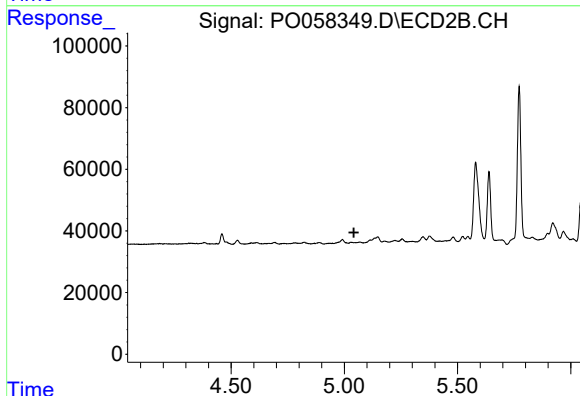
R.T.: 0.000 min  
Exp R.T. : 4.873 min  
Response: 0  
Conc: N.D.



#24 AR-1248-4

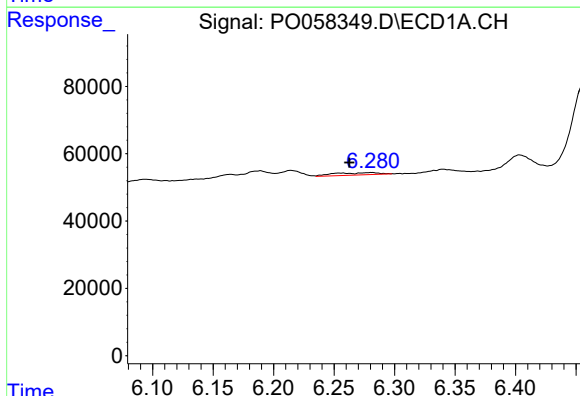
R.T.: 6.214 min  
Delta R.T.: -0.012 min  
Response: 25603  
Conc: 13.08 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



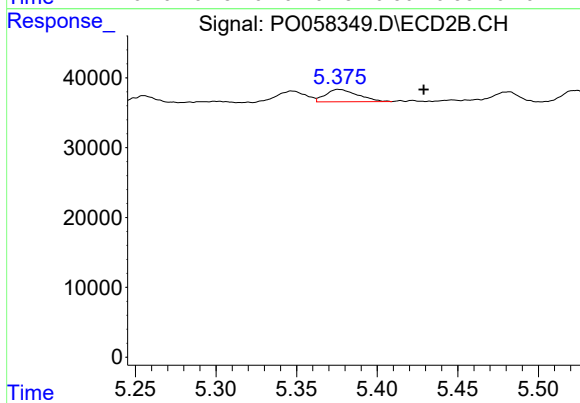
#24 AR-1248-4

R.T.: 0.000 min  
Exp R.T. : 5.042 min  
Response: 0  
Conc: N.D.



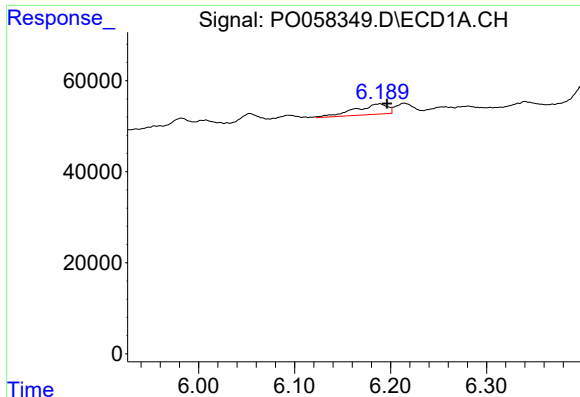
#25 AR-1248-5

R.T.: 6.281 min  
Delta R.T.: 0.018 min  
Response: 17438  
Conc: 9.15 ng/ml



#25 AR-1248-5

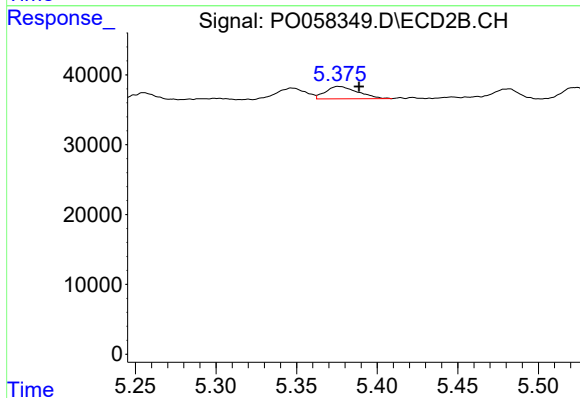
R.T.: 5.376 min  
Delta R.T.: -0.053 min  
Response: 24709  
Conc: 19.55 ng/ml



#26 AR-1254-1

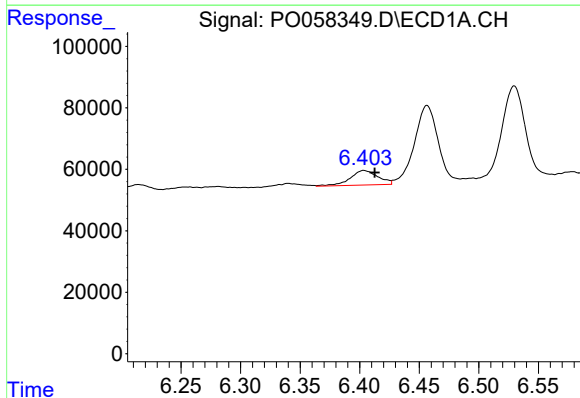
R.T.: 6.189 min  
Delta R.T.: -0.008 min  
Response: 53722  
Conc: 27.34 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



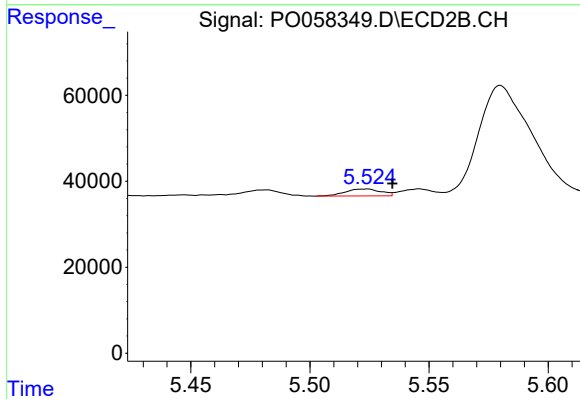
#26 AR-1254-1

R.T.: 5.376 min  
Delta R.T.: -0.012 min  
Response: 24709  
Conc: 12.13 ng/ml



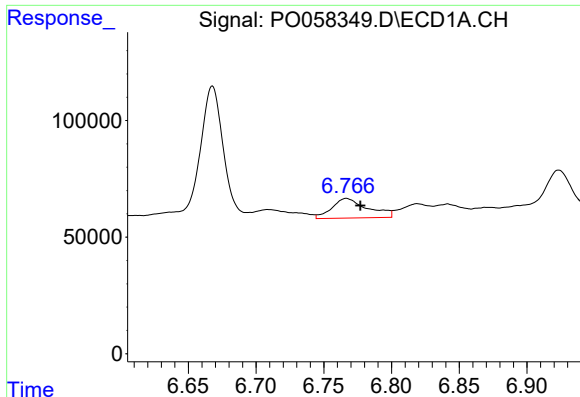
#27 AR-1254-2

R.T.: 6.403 min  
Delta R.T.: -0.009 min  
Response: 77016  
Conc: 23.56 ng/ml



#27 AR-1254-2

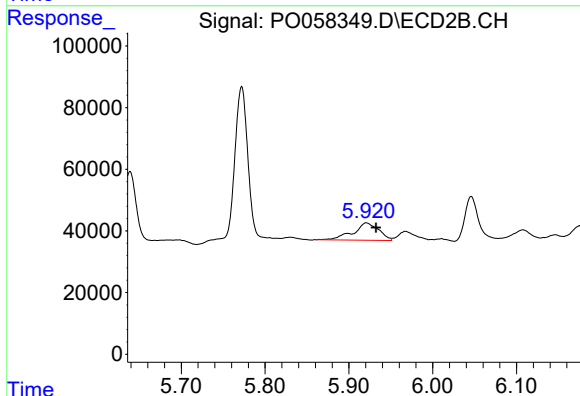
R.T.: 5.523 min  
Delta R.T.: -0.011 min  
Response: 16862  
Conc: 9.31 ng/ml



#28 AR-1254-3

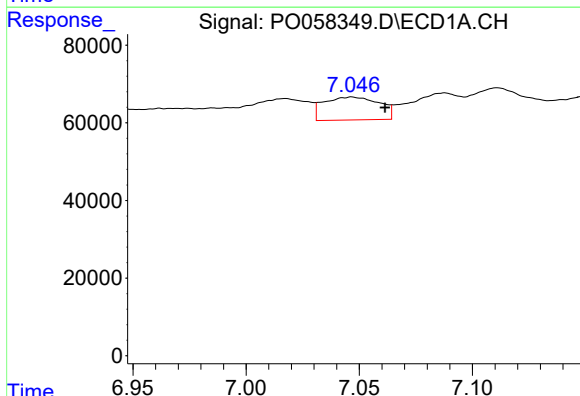
R.T.: 6.767 min  
Delta R.T.: -0.010 min  
Response: 154179  
Conc: 43.70 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



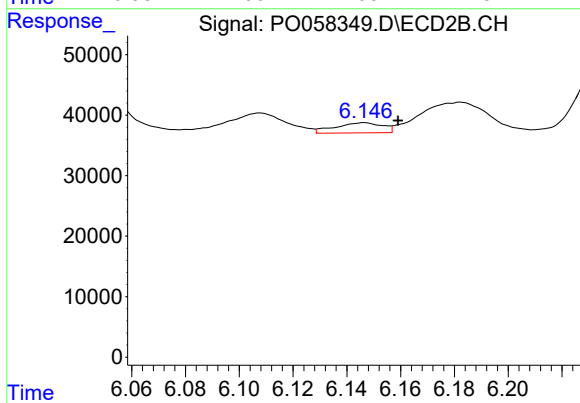
#28 AR-1254-3

R.T.: 5.921 min  
Delta R.T.: -0.011 min  
Response: 120268  
Conc: 41.07 ng/ml



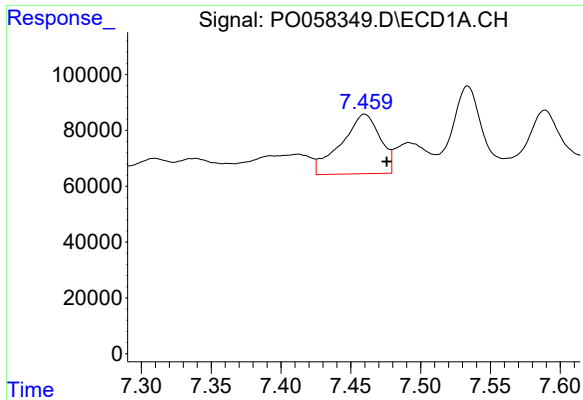
#29 AR-1254-4

R.T.: 7.047 min  
Delta R.T.: -0.015 min  
Response: 100881  
Conc: 34.10 ng/ml



#29 AR-1254-4

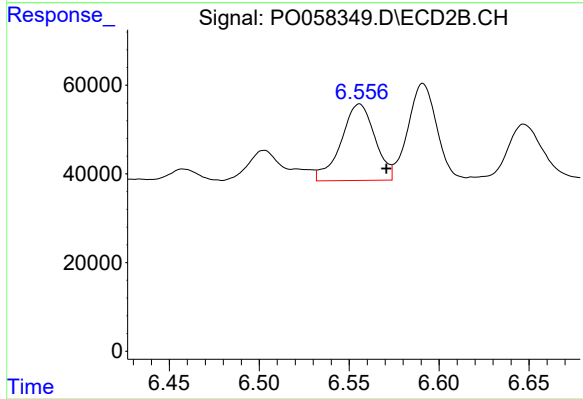
R.T.: 6.146 min  
Delta R.T.: -0.013 min  
Response: 20497  
Conc: 11.09 ng/ml



#30 AR-1254-5

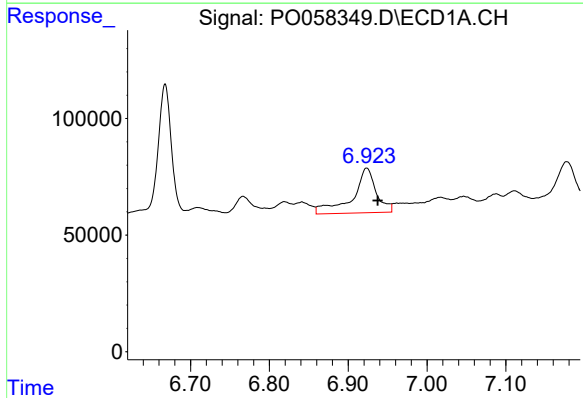
R.T.: 7.460 min  
Delta R.T.: -0.016 min  
Response: 413799  
Conc: 140.98 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



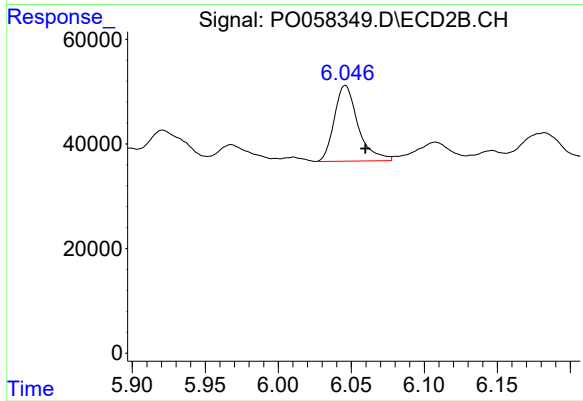
#30 AR-1254-5

R.T.: 6.556 min  
Delta R.T.: -0.015 min  
Response: 226210  
Conc: 83.21 ng/ml



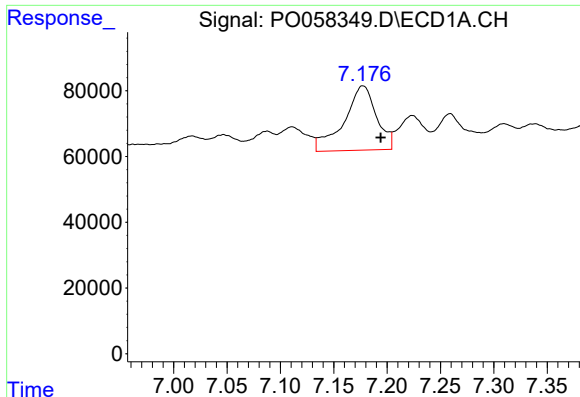
#31 AR-1260-1

R.T.: 6.924 min  
Delta R.T.: -0.014 min  
Response: 400950  
Conc: 160.31 ng/ml



#31 AR-1260-1

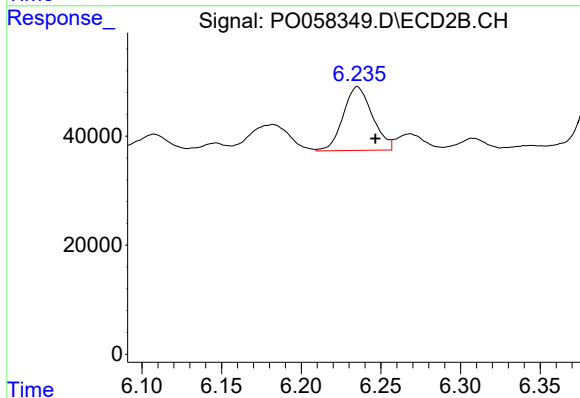
R.T.: 6.046 min  
Delta R.T.: -0.014 min  
Response: 163402  
Conc: 80.68 ng/ml



#32 AR-1260-2

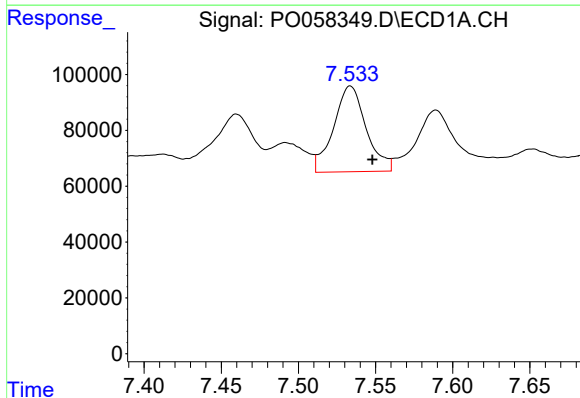
R.T.: 7.177 min  
Delta R.T.: -0.016 min  
Response: 416437  
Conc: 118.45 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



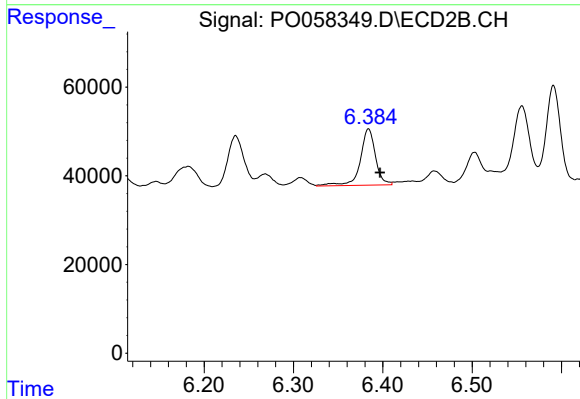
#32 AR-1260-2

R.T.: 6.235 min  
Delta R.T.: -0.011 min  
Response: 149110  
Conc: 57.98 ng/ml



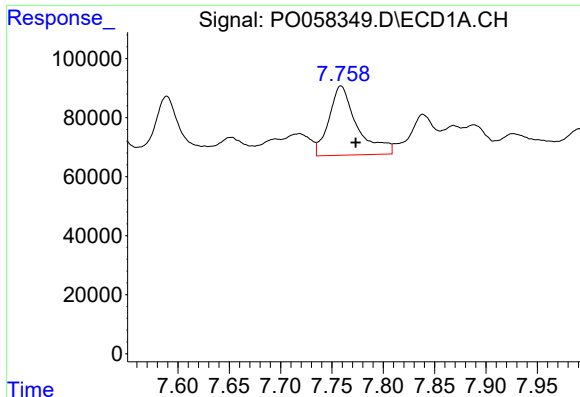
#33 AR-1260-3

R.T.: 7.534 min  
Delta R.T.: -0.014 min  
Response: 451922  
Conc: 153.91 ng/ml



#33 AR-1260-3

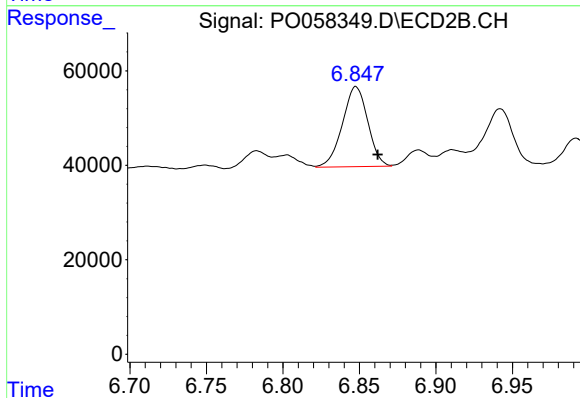
R.T.: 6.384 min  
Delta R.T.: -0.013 min  
Response: 149866  
Conc: 65.71 ng/ml



#34 AR-1260-4

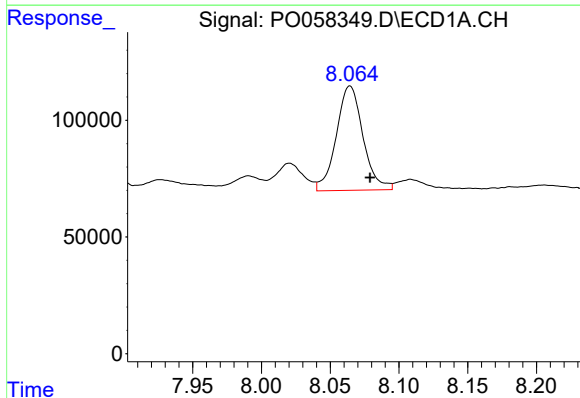
R.T.: 7.759 min  
Delta R.T.: -0.014 min  
Response: 447039  
Conc: 163.65 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



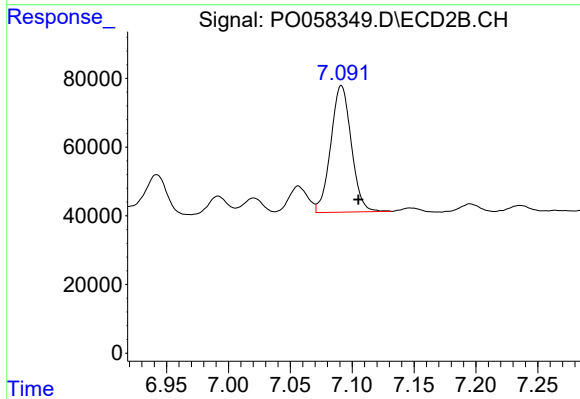
#34 AR-1260-4

R.T.: 6.848 min  
Delta R.T.: -0.014 min  
Response: 196195  
Conc: 101.33 ng/ml



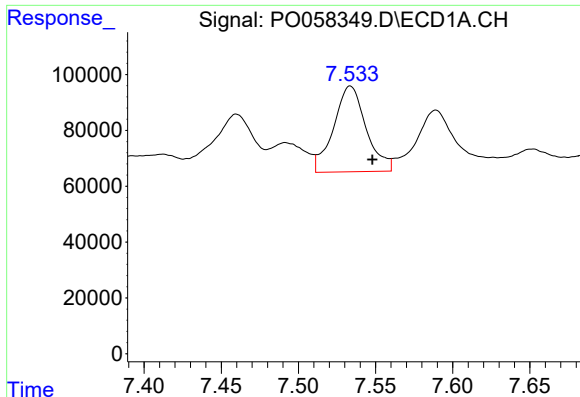
#35 AR-1260-5

R.T.: 8.064 min  
Delta R.T.: -0.015 min  
Response: 604477  
Conc: 104.20 ng/ml



#35 AR-1260-5

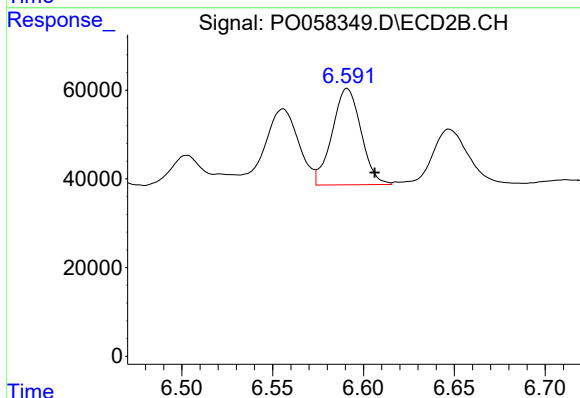
R.T.: 7.091 min  
Delta R.T.: -0.014 min  
Response: 426166  
Conc: 92.59 ng/ml



#36 AR-1262-1

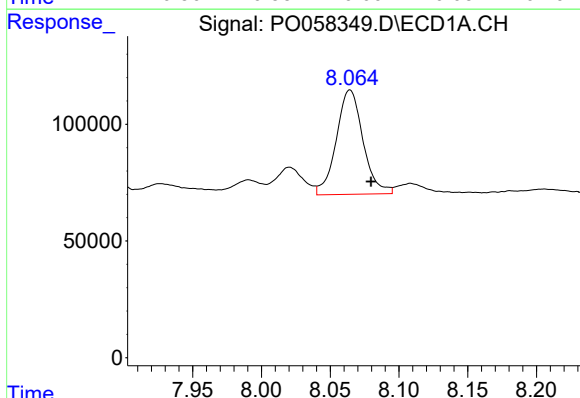
R.T.: 7.534 min  
Delta R.T.: -0.014 min  
Response: 451922  
Conc: 81.80 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



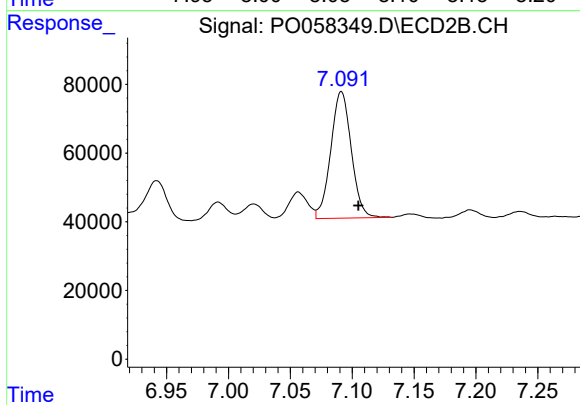
#36 AR-1262-1

R.T.: 6.591 min  
Delta R.T.: -0.015 min  
Response: 241776  
Conc: 60.87 ng/ml



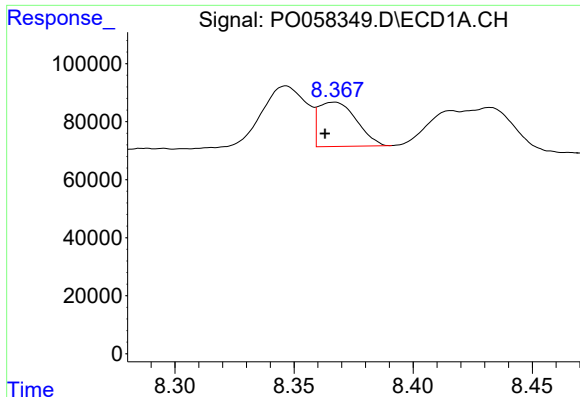
#37 AR-1262-2

R.T.: 8.064 min  
Delta R.T.: -0.015 min  
Response: 604477  
Conc: 71.08 ng/ml



#37 AR-1262-2

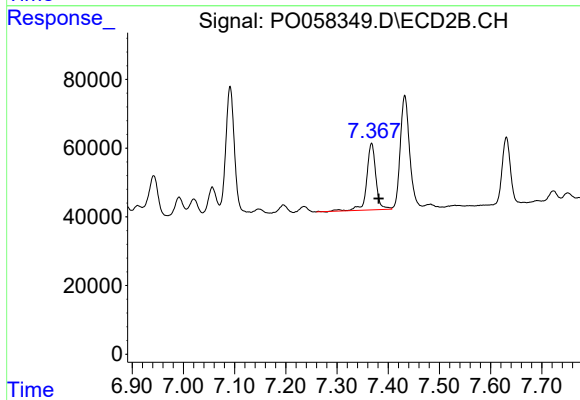
R.T.: 7.091 min  
Delta R.T.: -0.014 min  
Response: 426166  
Conc: 65.98 ng/ml



#38 AR-1262-3

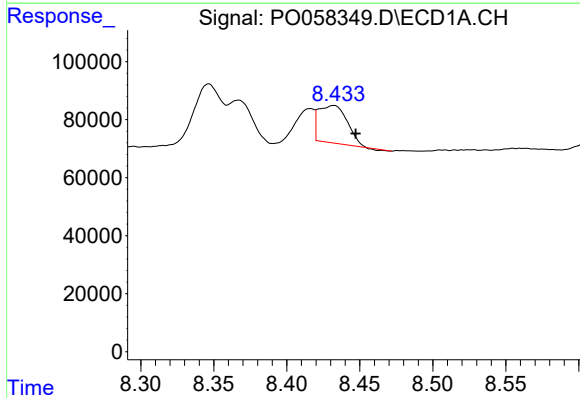
R.T.: 8.367 min  
Delta R.T.: 0.004 min  
Response: 168966  
Conc: 30.02 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



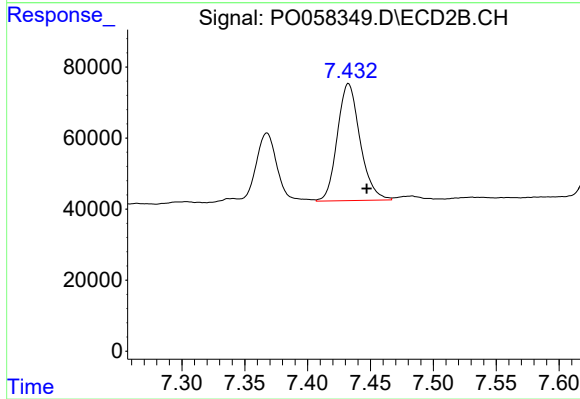
#38 AR-1262-3

R.T.: 7.368 min  
Delta R.T.: -0.014 min  
Response: 240510  
Conc: 87.26 ng/ml



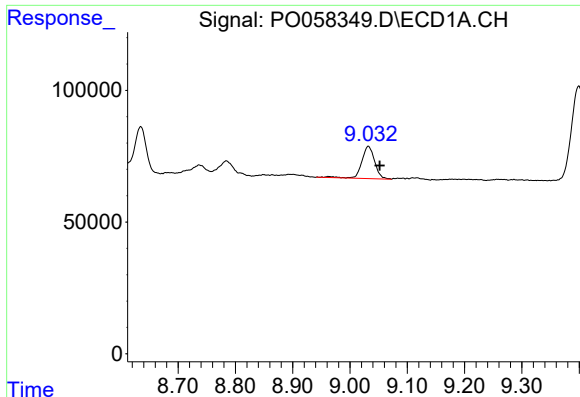
#39 AR-1262-4

R.T.: 8.432 min  
Delta R.T.: -0.015 min  
Response: 174039  
Conc: 38.15 ng/ml



#39 AR-1262-4

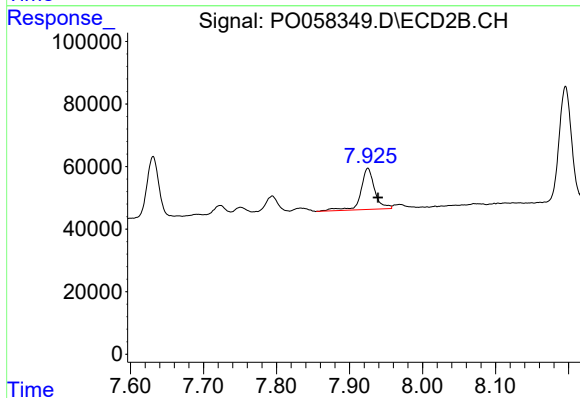
R.T.: 7.433 min  
Delta R.T.: -0.014 min  
Response: 415012  
Conc: 86.92 ng/ml



#40 AR-1262-5

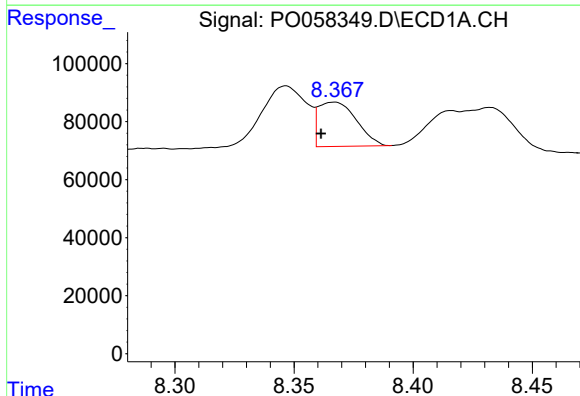
R.T.: 9.032 min  
Delta R.T.: -0.020 min  
Response: 189974  
Conc: 68.37 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



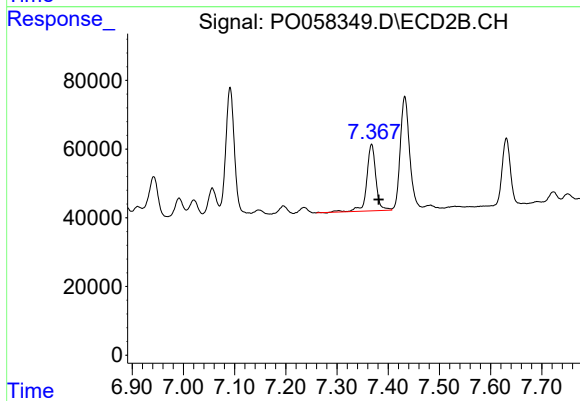
#40 AR-1262-5

R.T.: 7.925 min  
Delta R.T.: -0.014 min  
Response: 174197  
Conc: 87.58 ng/ml



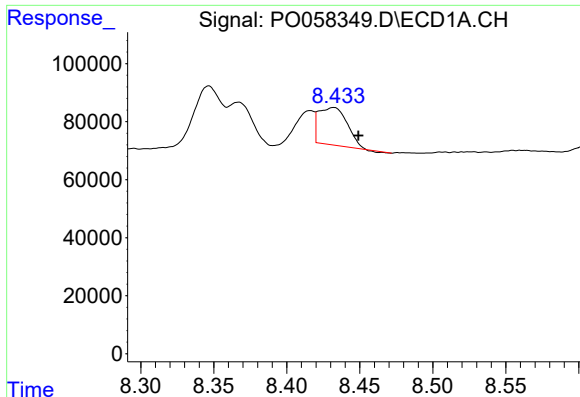
#41 AR-1268-1

R.T.: 8.367 min  
Delta R.T.: 0.005 min  
Response: 168966  
Conc: 16.43 ng/ml



#41 AR-1268-1

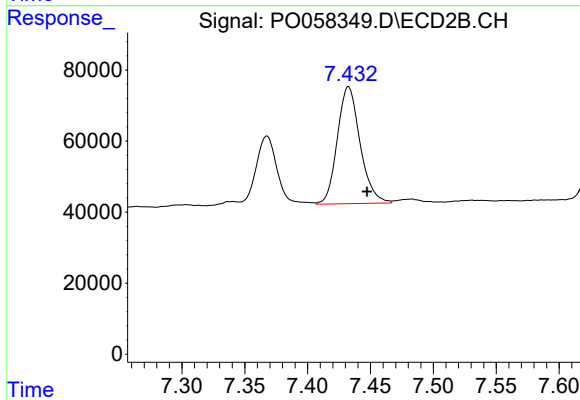
R.T.: 7.368 min  
Delta R.T.: -0.014 min  
Response: 240510  
Conc: 30.81 ng/ml



#42 AR-1268-2

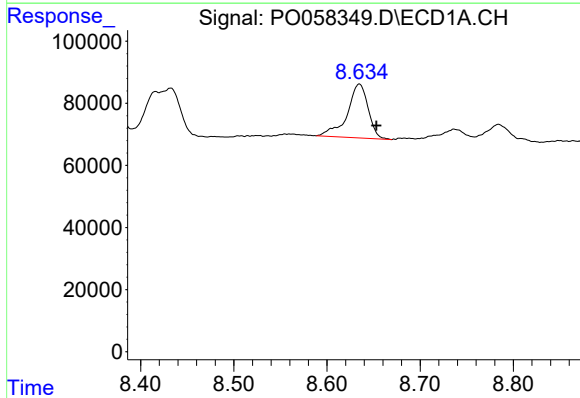
R.T.: 8.432 min  
Delta R.T.: -0.017 min  
Response: 174039  
Conc: 19.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



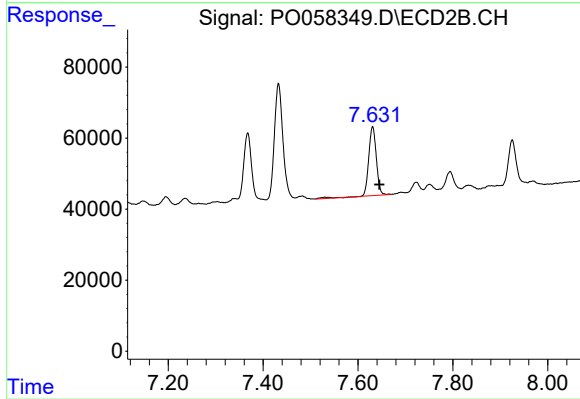
#42 AR-1268-2

R.T.: 7.433 min  
Delta R.T.: -0.015 min  
Response: 415012  
Conc: 58.25 ng/ml



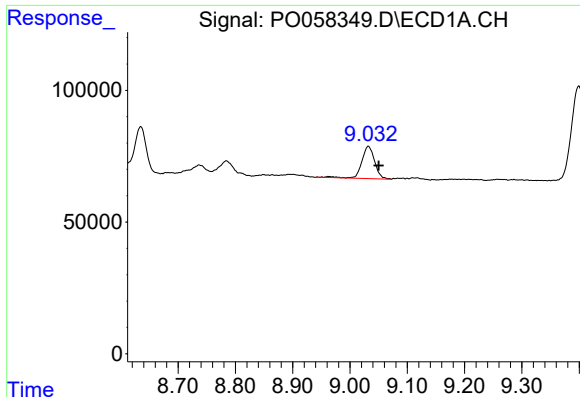
#43 AR-1268-3

R.T.: 8.635 min  
Delta R.T.: -0.018 min  
Response: 271222  
Conc: 33.96 ng/ml



#43 AR-1268-3

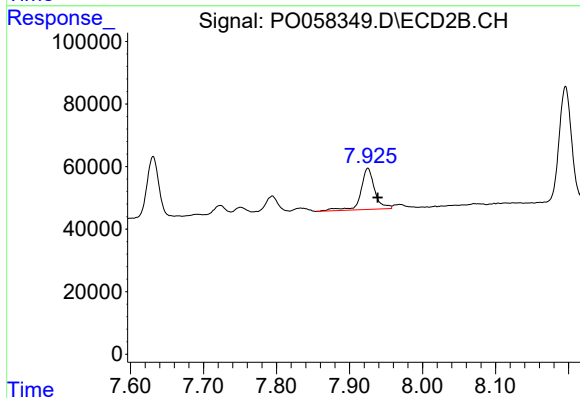
R.T.: 7.631 min  
Delta R.T.: -0.014 min  
Response: 219942  
Conc: 36.51 ng/ml



#44 AR-1268-4

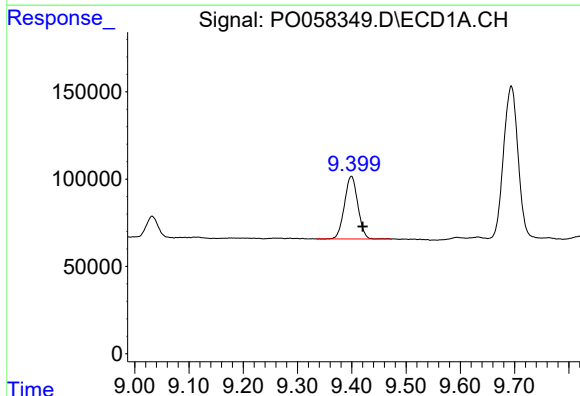
R.T.: 9.032 min  
Delta R.T.: -0.018 min  
Response: 189974  
Conc: 64.11 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



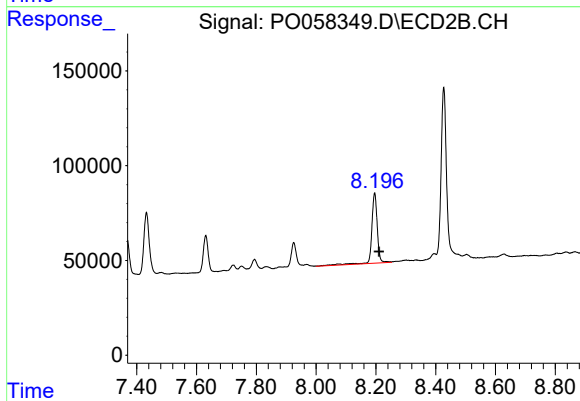
#44 AR-1268-4

R.T.: 7.925 min  
Delta R.T.: -0.014 min  
Response: 174197  
Conc: 83.28 ng/ml



#45 AR-1268-5

R.T.: 9.399 min  
Delta R.T.: -0.021 min  
Response: 613650  
Conc: 28.17 ng/ml



#45 AR-1268-5

R.T.: 8.196 min  
Delta R.T.: -0.014 min  
Response: 474280  
Conc: 28.44 ng/ml