

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO101719\  
 Data File : PO062082.D  
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
 Acq On : 17 Oct 2019 11:29  
 Operator : HP/AJ  
 Sample : K5111-03  
 Misc : AR1660 MDL-25 PPB  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 13:19:47 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO101119.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Sat Oct 12 06:25:38 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... | 4.325 | 3.483 | 894038  | 649418 | 14.456 | 15.144   |
| 2)                          | SA Decachlor... | 9.963 | 8.341 | 1027016 | 551361 | 18.355 | 18.791   |
| Target Compounds            |                 |       |       |         |        |        |          |
| 3)                          | L1 AR-1016-1    | 5.487 | 4.530 | 53203   | 40318  | 22.480 | 25.776   |
| 4)                          | L1 AR-1016-2    | 5.510 | 4.547 | 78173   | 59251  | 22.950 | 25.474   |
| 5)                          | L1 AR-1016-3    | 5.570 | 4.717 | 53113   | 26165  | 25.665 | 21.168   |
| 6)                          | L1 AR-1016-4    | 5.669 | 4.759 | 40217   | 22401  | 23.728 | 22.796   |
| 7)                          | L1 AR-1016-5    | 5.961 | 4.964 | 59842   | 28769  | 33.651 | 22.309 # |
| 12)                         | L3 AR-1232-2    | 0.000 | 4.547 | 0       | 59251  | N.D.   | 34.319 # |
| 13)                         | L3 AR-1232-3    | 5.510 | 4.717 | 78173   | 26165  | 30.557 | 28.626   |
| 14)                         | L3 AR-1232-4    | 5.669 | 4.798 | 40217   | 24079  | 31.286 | 29.598   |
| 15)                         | L3 AR-1232-5    | 0.000 | 4.964 | 0       | 28769  | N.D.   | 32.575 # |
| 16)                         | L4 AR-1242-1    | 5.487 | 4.530 | 53203   | 40318  | 28.712 | 33.524   |
| 17)                         | L4 AR-1242-2    | 5.510 | 4.547 | 78173   | 59251  | 29.469 | 33.264   |
| 18)                         | L4 AR-1242-3    | 5.570 | 4.717 | 53113   | 26165  | 32.522 | 27.483   |
| 19)                         | L4 AR-1242-4    | 5.669 | 4.798 | 40217   | 24079  | 29.791 | 25.506   |
| 20)                         | L4 AR-1242-5    | 6.361 | 0.000 | 113051  | 0      | 73.965 | N.D. #   |
| 21)                         | L5 AR-1248-1    | 5.487 | 4.530 | 53203   | 40318  | 37.121 | 41.067   |
| 22)                         | L5 AR-1248-2    | 0.000 | 4.759 | 0       | 22401  | N.D.   | 17.682 # |
| 23)                         | L5 AR-1248-3    | 5.961 | 4.798 | 59842   | 24079  | 27.095 | 18.139 # |
| 24)                         | L5 AR-1248-4    | 6.361 | 4.964 | 113051  | 28769  | 44.253 | 18.181 # |
| 25)                         | L5 AR-1248-5    | 6.361 | 0.000 | 113051  | 0      | 46.235 | N.D. #   |
| 26)                         | L6 AR-1254-1    | 6.338 | 0.000 | 80169   | 0      | 30.075 | N.D. #   |
| 27)                         | L6 AR-1254-2    | 6.553 | 0.000 | 35184   | 0      | 8.606  | N.D. #   |
| 28)                         | L6 AR-1254-3    | 6.924 | 0.000 | 42397   | 0      | 10.133 | N.D. #   |
| 30)                         | L6 AR-1254-5    | 7.621 | 6.476 | 119610  | 65312  | 38.167 | 24.728 # |
| 31)                         | L7 AR-1260-1    | 7.081 | 5.971 | 75522   | 55126  | 26.526 | 25.945   |
| 32)                         | L7 AR-1260-2    | 7.338 | 6.156 | 87275   | 88138  | 25.441 | 34.732 # |
| 33)                         | L7 AR-1260-3    | 7.695 | 6.305 | 86426   | 63260  | 32.662 | 28.015   |
| 34)                         | L7 AR-1260-4    | 7.921 | 6.768 | 89392   | 45241  | 31.960 | 25.766   |
| 35)                         | L7 AR-1260-5    | 8.233 | 7.009 | 153512  | 101437 | 29.321 | 28.158   |
| 36)                         | L8 AR-1262-1    | 7.695 | 6.515 | 86426   | 50174  | 21.055 | 42.100 # |
| 37)                         | L8 AR-1262-2    | 8.233 | 7.009 | 153512  | 101437 | 23.808 | 24.141   |
| 38)                         | L8 AR-1262-3    | 8.548 | 7.350 | 88170   | 73857  | 20.051 | 41.992 # |
| 39)                         | L8 AR-1262-4    | 8.548 | 7.350 | 88170   | 73857  | 25.520 | 24.159   |
| 40)                         | L8 AR-1262-5    | 9.252 | 7.840 | 37912   | 27658  | 16.785 | 21.177 # |
| 41)                         | L9 AR-1268-1    | 8.548 | 7.350 | 88170   | 73857  | 11.647 | 15.771 # |
| 42)                         | L9 AR-1268-2    | 8.548 | 7.350 | 88170   | 73857  | 12.551 | 17.679 # |
| 44)                         | L9 AR-1268-4    | 9.252 | 7.840 | 37912   | 27658  | 15.956 | 19.411   |
| -----                       |                 |       |       |         |        |        |          |

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

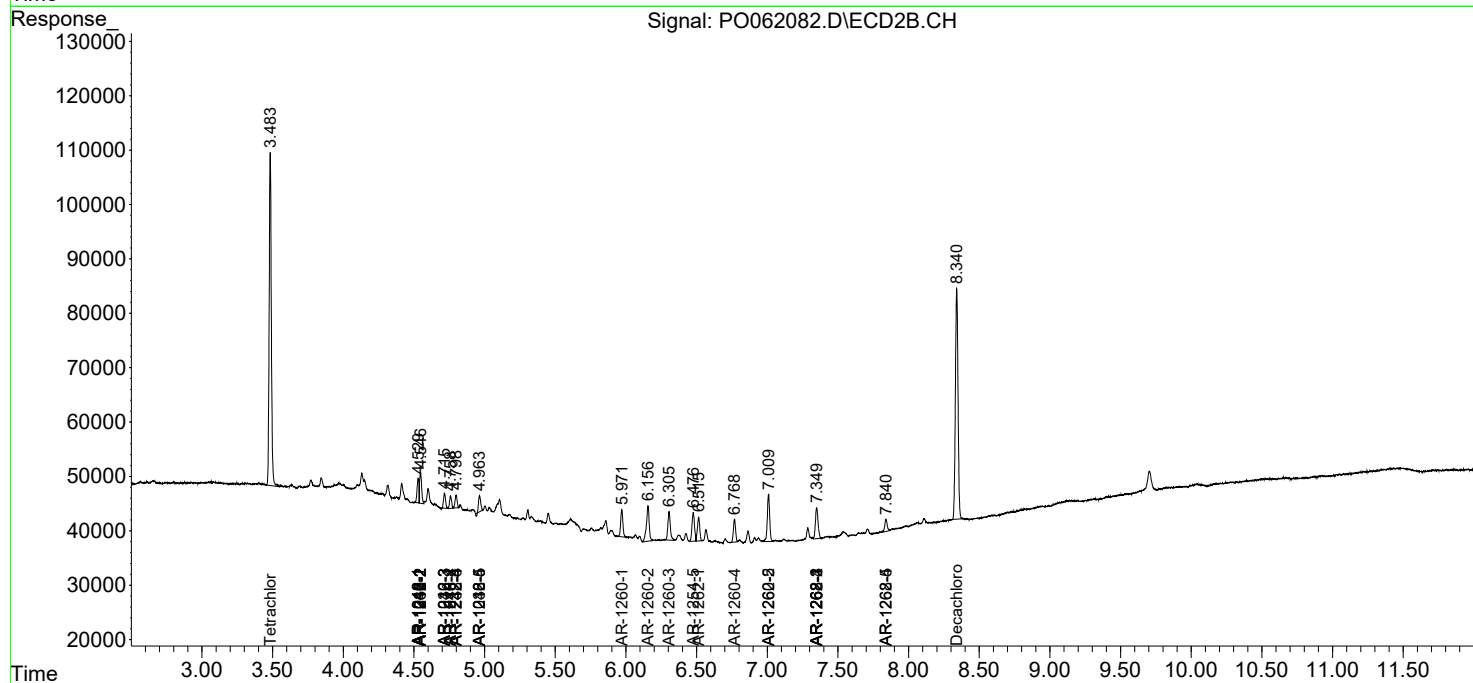
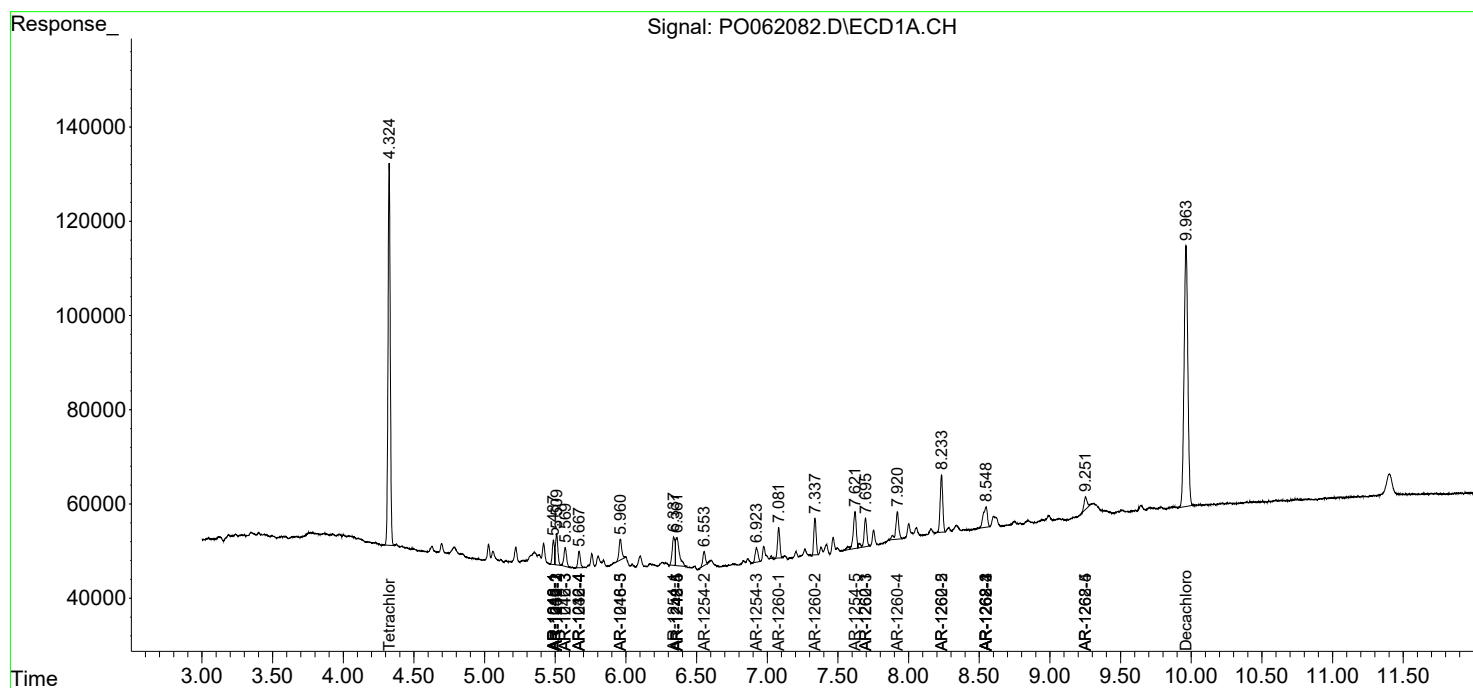
Instrument :  
ECD\_O  
ClientSampleId :

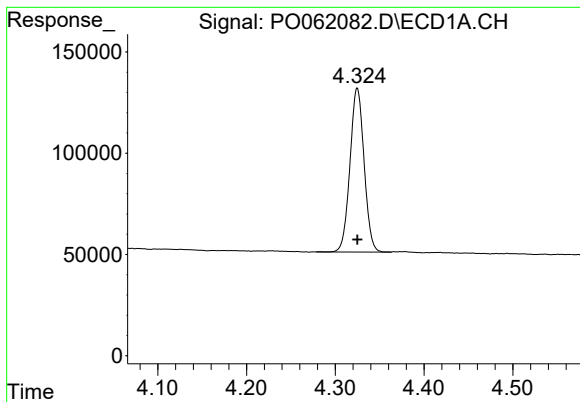
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO101719\  
Data File : P0062082.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 17 Oct 2019 11:29  
Operator : HP/AJ  
Sample : K5111-03  
Misc : AR1660 MDL-25 PPB  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampled :

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 13:19:47 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO101119.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Oct 12 06:25:38 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

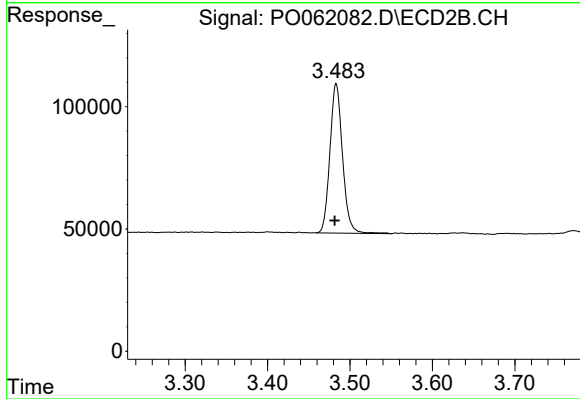




#1 Tetrachloro-m-xylene

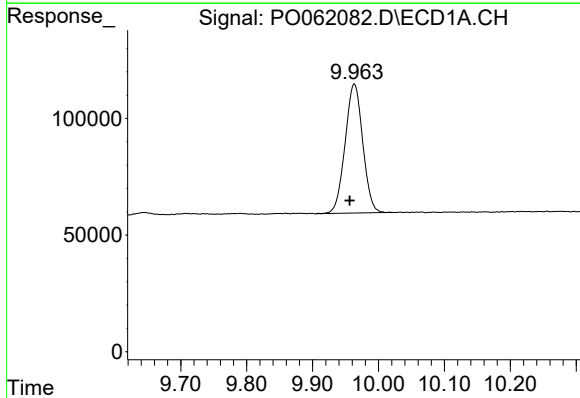
R.T.: 4.325 min  
Delta R.T.: 0.000 min  
Response: 894038  
Conc: 14.46 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



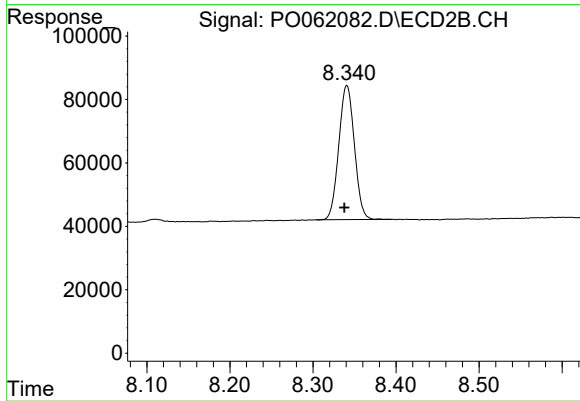
#1 Tetrachloro-m-xylene

R.T.: 3.483 min  
Delta R.T.: 0.002 min  
Response: 649418  
Conc: 15.14 ng/ml



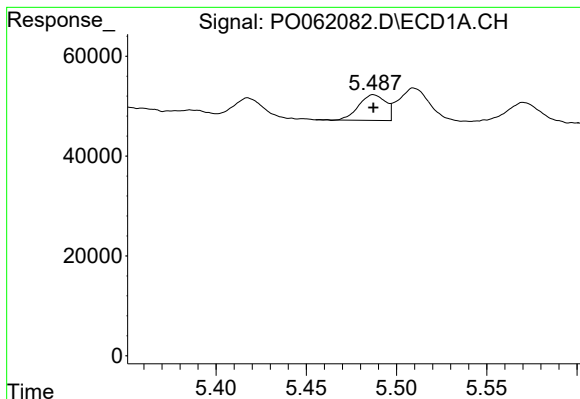
#2 Decachlorobiphenyl

R.T.: 9.963 min  
Delta R.T.: 0.007 min  
Response: 1027016  
Conc: 18.36 ng/ml



#2 Decachlorobiphenyl

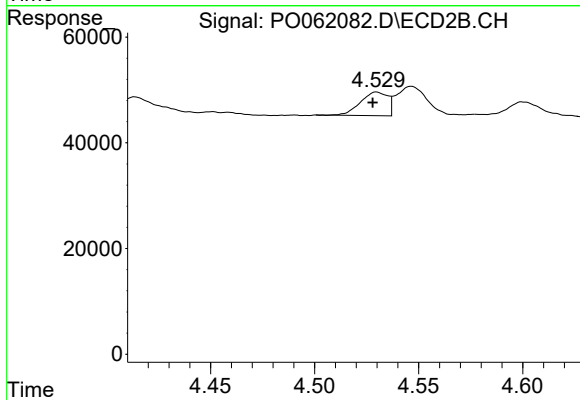
R.T.: 8.341 min  
Delta R.T.: 0.003 min  
Response: 551361  
Conc: 18.79 ng/ml



#3 AR-1016-1

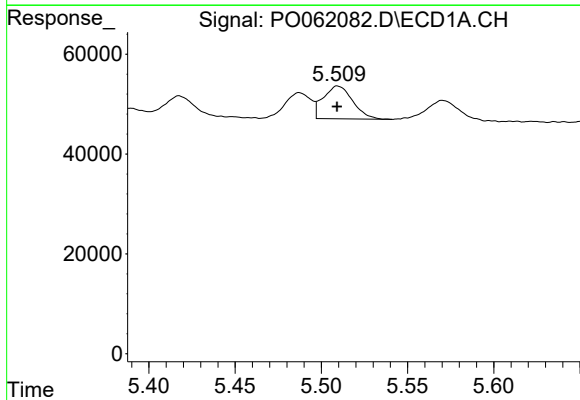
R.T.: 5.487 min  
Delta R.T.: 0.000 min  
Response: 53203  
Conc: 22.48 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



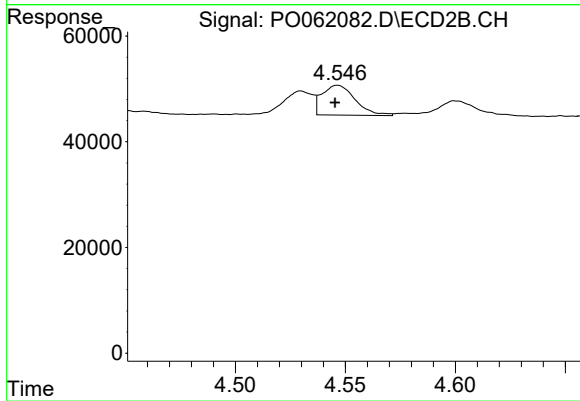
#3 AR-1016-1

R.T.: 4.530 min  
Delta R.T.: 0.002 min  
Response: 40318  
Conc: 25.78 ng/ml



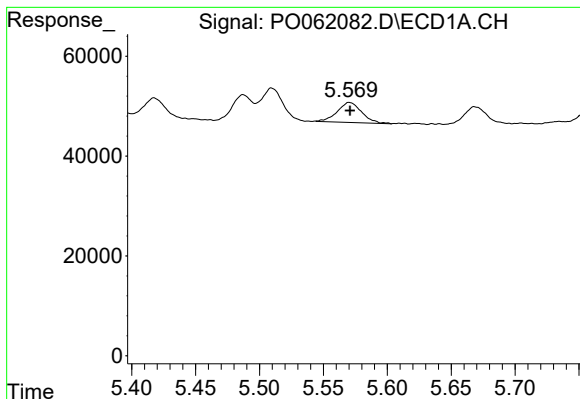
#4 AR-1016-2

R.T.: 5.510 min  
Delta R.T.: 0.000 min  
Response: 78173  
Conc: 22.95 ng/ml



#4 AR-1016-2

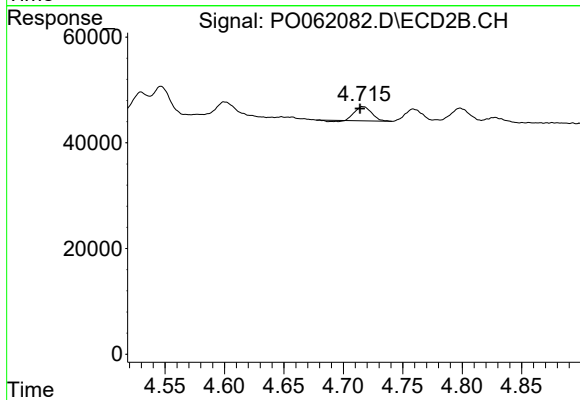
R.T.: 4.547 min  
Delta R.T.: 0.001 min  
Response: 59251  
Conc: 25.47 ng/ml



#5 AR-1016-3

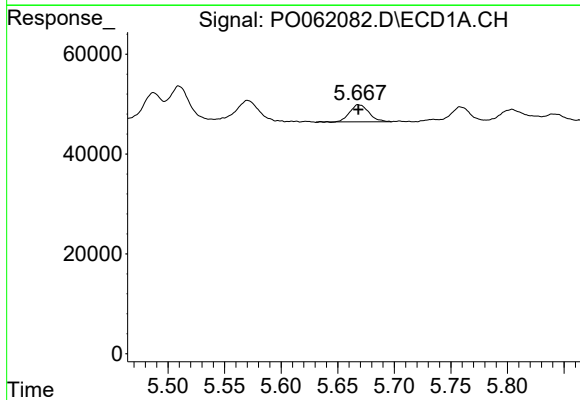
R.T.: 5.570 min  
Delta R.T.: 0.000 min  
Response: 53113  
Conc: 25.67 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



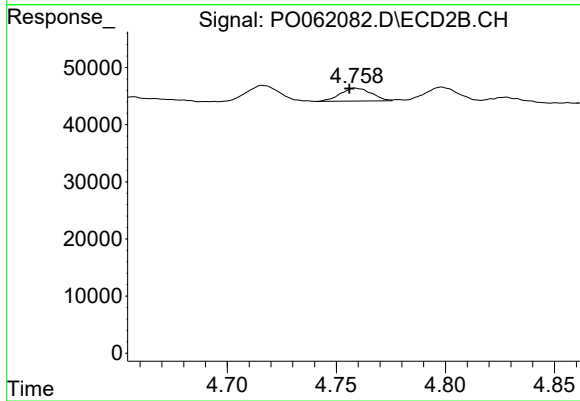
#5 AR-1016-3

R.T.: 4.717 min  
Delta R.T.: 0.002 min  
Response: 26165  
Conc: 21.17 ng/ml



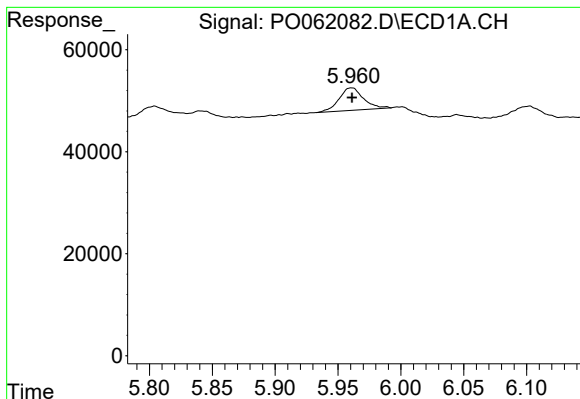
#6 AR-1016-4

R.T.: 5.669 min  
Delta R.T.: 0.000 min  
Response: 40217  
Conc: 23.73 ng/ml



#6 AR-1016-4

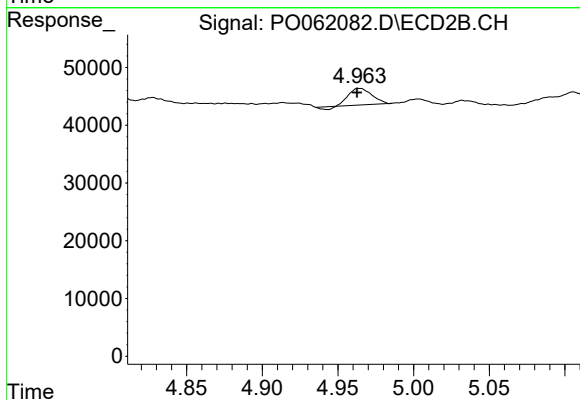
R.T.: 4.759 min  
Delta R.T.: 0.003 min  
Response: 22401  
Conc: 22.80 ng/ml



#7 AR-1016-5

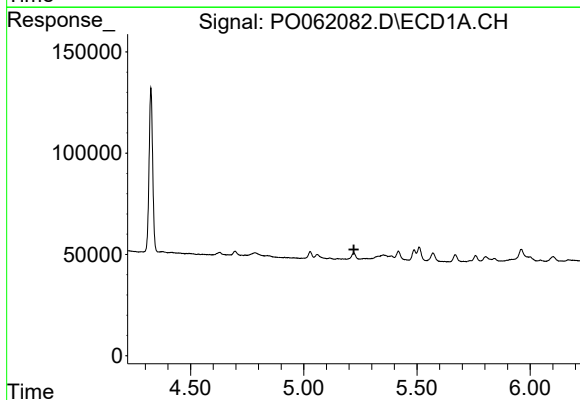
R.T.: 5.961 min  
Delta R.T.: 0.000 min  
Response: 59842  
Conc: 33.65 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



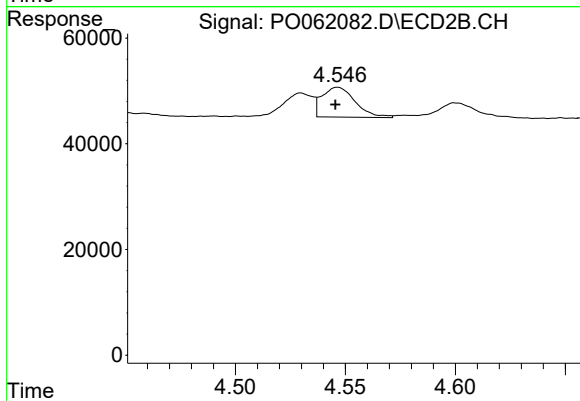
#7 AR-1016-5

R.T.: 4.964 min  
Delta R.T.: 0.002 min  
Response: 28769  
Conc: 22.31 ng/ml



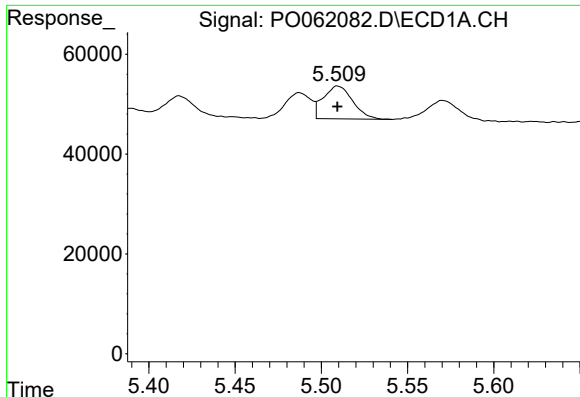
#12 AR-1232-2

R.T.: 0.000 min  
Exp R.T. : 5.221 min  
Response: 0  
Conc: N.D.



#12 AR-1232-2

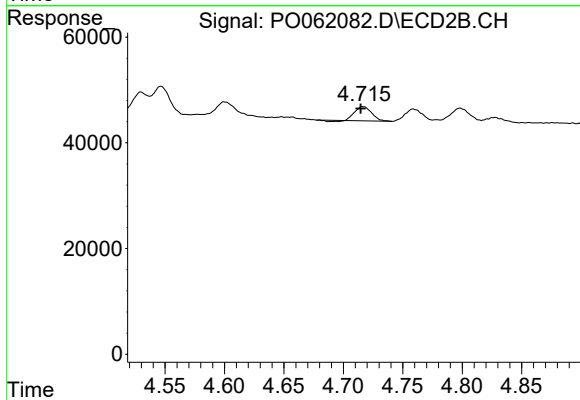
R.T.: 4.547 min  
Delta R.T.: 0.001 min  
Response: 59251  
Conc: 34.32 ng/ml



#13 AR-1232-3

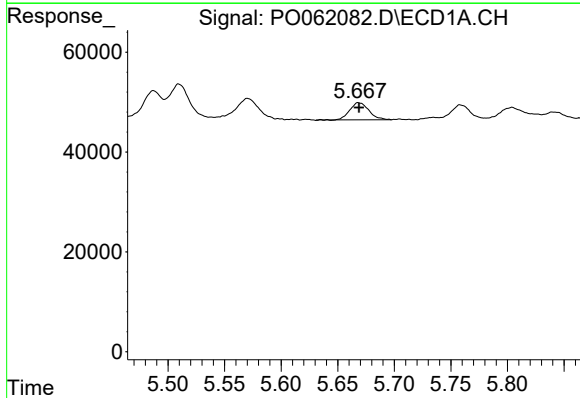
R.T.: 5.510 min  
Delta R.T.: 0.000 min  
Response: 78173  
Conc: 30.56 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



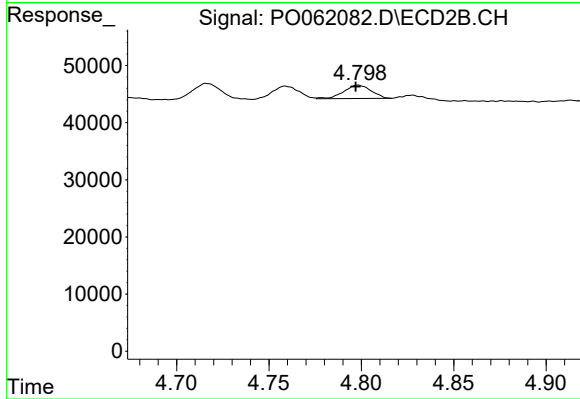
#13 AR-1232-3

R.T.: 4.717 min  
Delta R.T.: 0.002 min  
Response: 26165  
Conc: 28.63 ng/ml



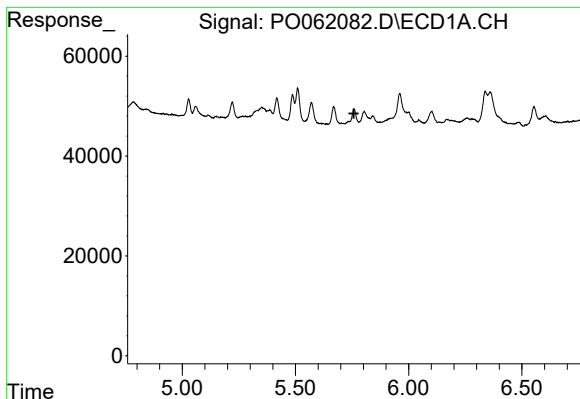
#14 AR-1232-4

R.T.: 5.669 min  
Delta R.T.: 0.000 min  
Response: 40217  
Conc: 31.29 ng/ml



#14 AR-1232-4

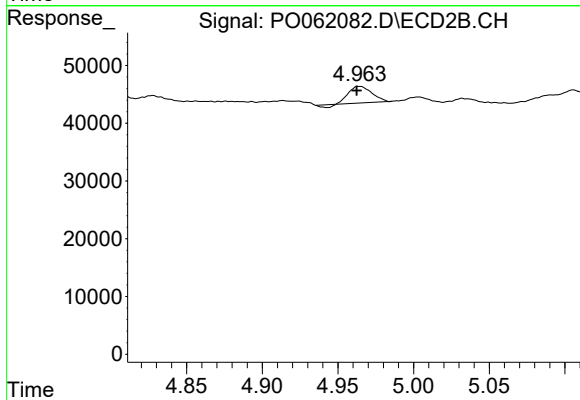
R.T.: 4.798 min  
Delta R.T.: 0.001 min  
Response: 24079  
Conc: 29.60 ng/ml



#15 AR-1232-5

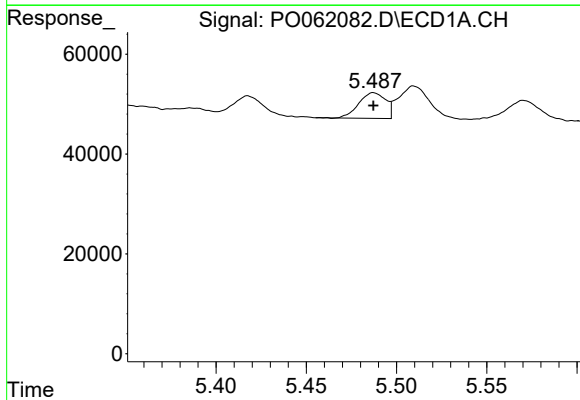
R.T.: 0.000 min  
Exp R.T.: 5.758 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :



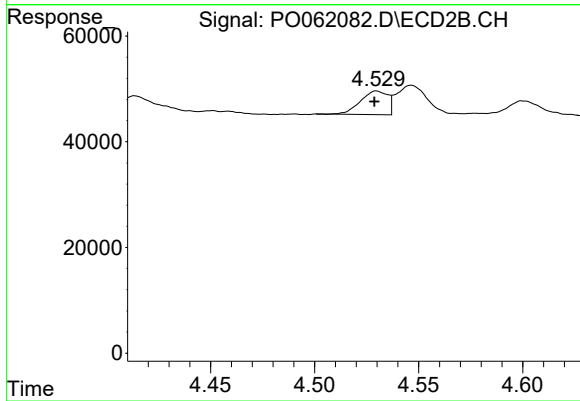
#15 AR-1232-5

R.T.: 4.964 min  
Delta R.T.: 0.002 min  
Response: 28769  
Conc: 32.57 ng/ml



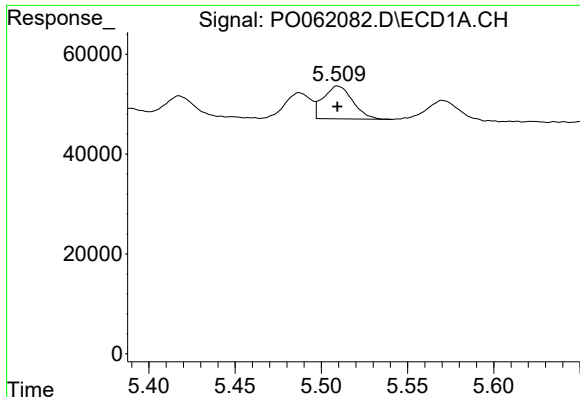
#16 AR-1242-1

R.T.: 5.487 min  
Delta R.T.: 0.000 min  
Response: 53203  
Conc: 28.71 ng/ml



#16 AR-1242-1

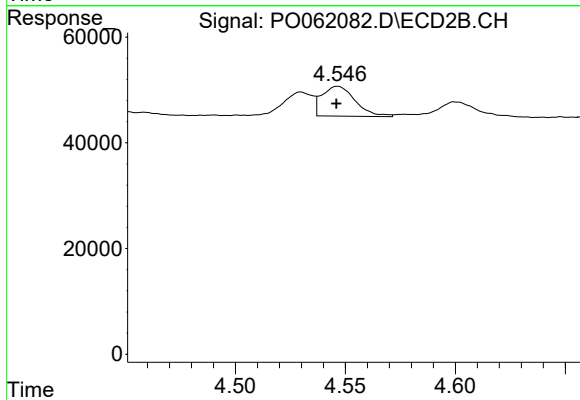
R.T.: 4.530 min  
Delta R.T.: 0.001 min  
Response: 40318  
Conc: 33.52 ng/ml



#17 AR-1242-2

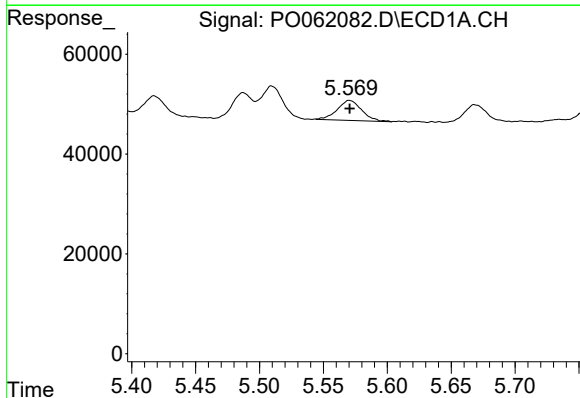
R.T.: 5.510 min  
Delta R.T.: 0.000 min  
Response: 78173  
Conc: 29.47 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



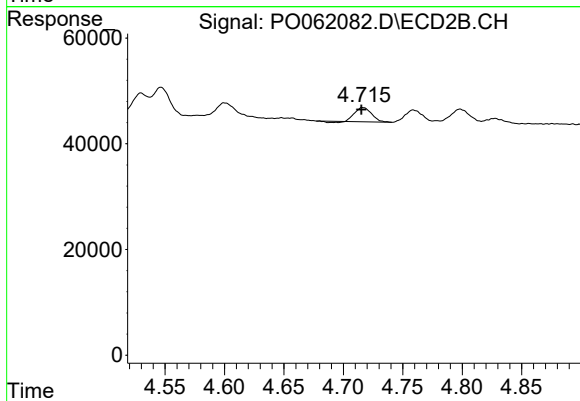
#17 AR-1242-2

R.T.: 4.547 min  
Delta R.T.: 0.000 min  
Response: 59251  
Conc: 33.26 ng/ml



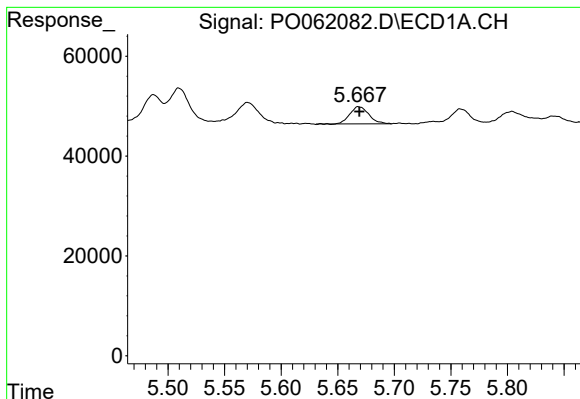
#18 AR-1242-3

R.T.: 5.570 min  
Delta R.T.: 0.000 min  
Response: 53113  
Conc: 32.52 ng/ml



#18 AR-1242-3

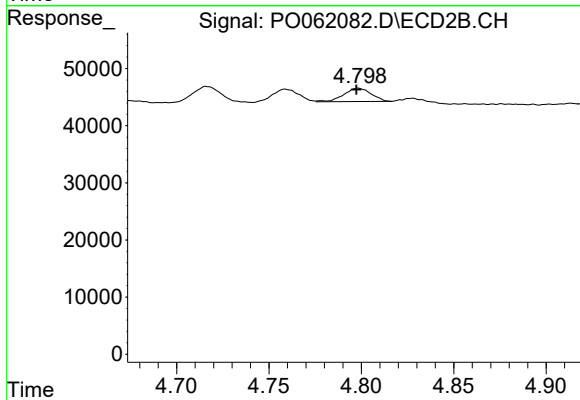
R.T.: 4.717 min  
Delta R.T.: 0.001 min  
Response: 26165  
Conc: 27.48 ng/ml



#19 AR-1242-4

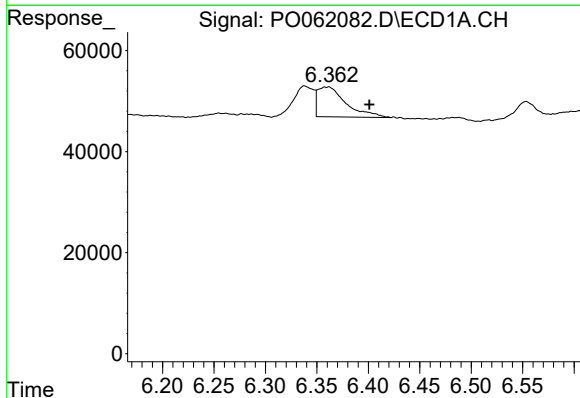
R.T.: 5.669 min  
Delta R.T.: 0.000 min  
Response: 40217  
Conc: 29.79 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



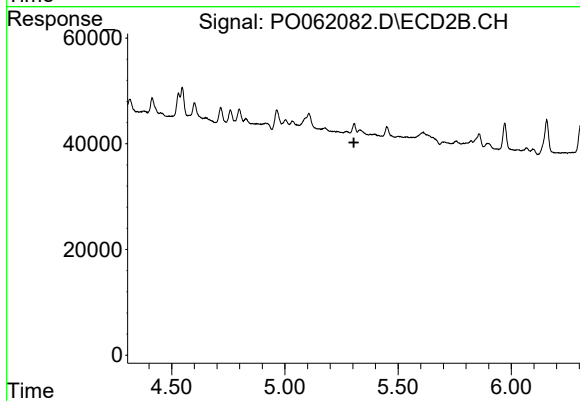
#19 AR-1242-4

R.T.: 4.798 min  
Delta R.T.: 0.000 min  
Response: 24079  
Conc: 25.51 ng/ml



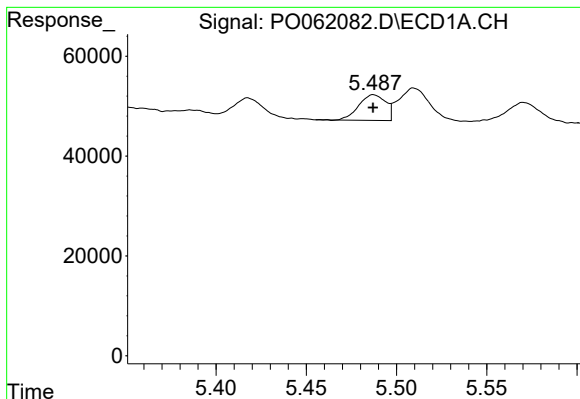
#20 AR-1242-5

R.T.: 6.361 min  
Delta R.T.: -0.040 min  
Response: 113051  
Conc: 73.97 ng/ml



#20 AR-1242-5

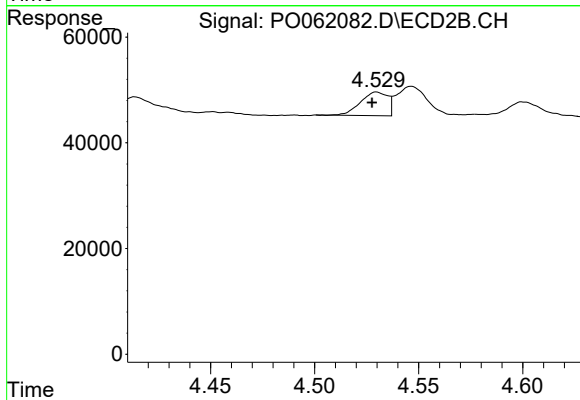
R.T.: 0.000 min  
Exp R.T. : 5.304 min  
Response: 0  
Conc: N.D.



#21 AR-1248-1

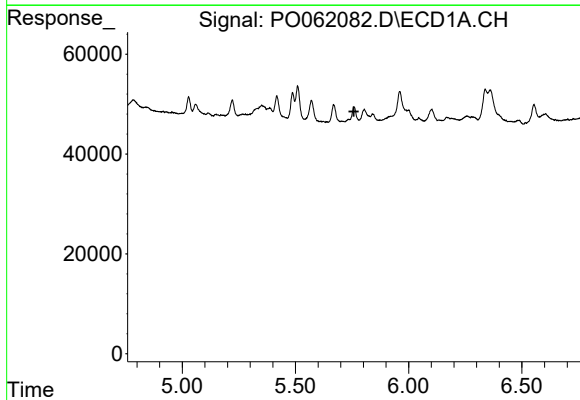
R.T.: 5.487 min  
Delta R.T.: 0.000 min  
Response: 53203  
Conc: 37.12 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



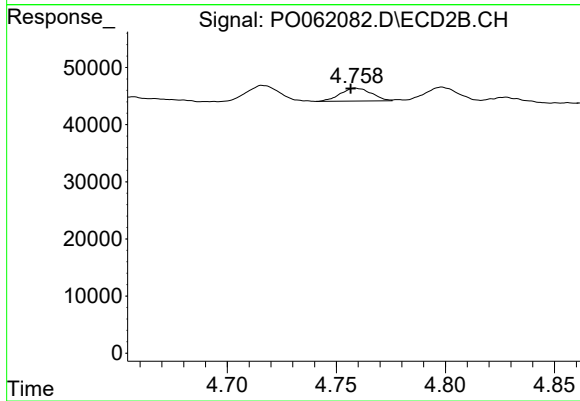
#21 AR-1248-1

R.T.: 4.530 min  
Delta R.T.: 0.002 min  
Response: 40318  
Conc: 41.07 ng/ml



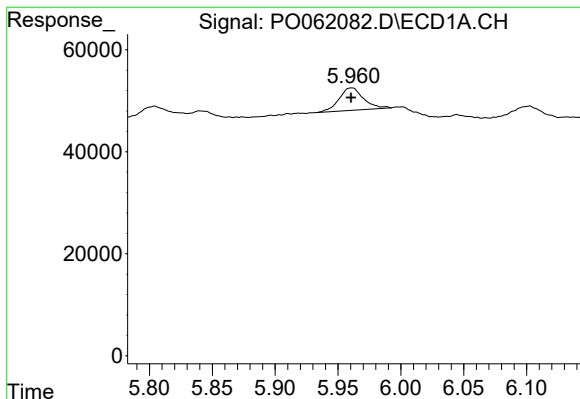
#22 AR-1248-2

R.T.: 0.000 min  
Exp R.T. : 5.758 min  
Response: 0  
Conc: N.D.



#22 AR-1248-2

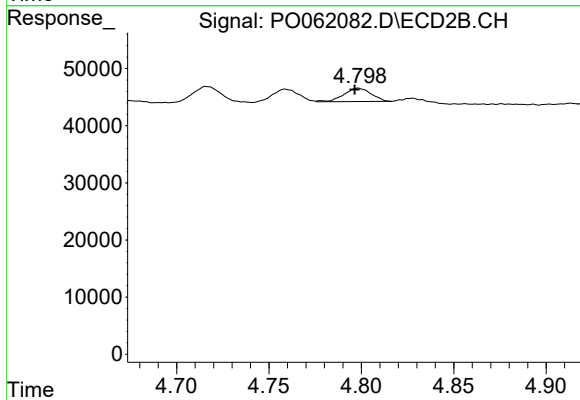
R.T.: 4.759 min  
Delta R.T.: 0.003 min  
Response: 22401  
Conc: 17.68 ng/ml



#23 AR-1248-3

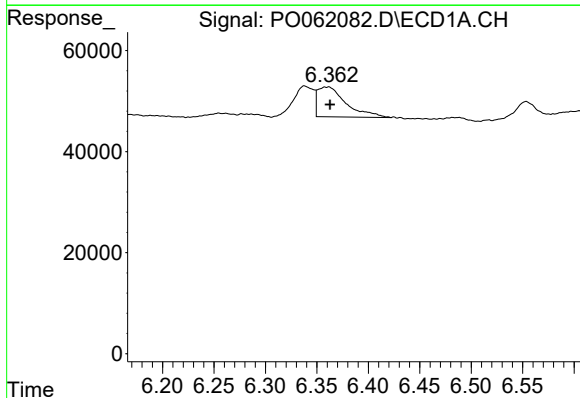
R.T.: 5.961 min  
Delta R.T.: 0.000 min  
Response: 59842  
Conc: 27.10 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



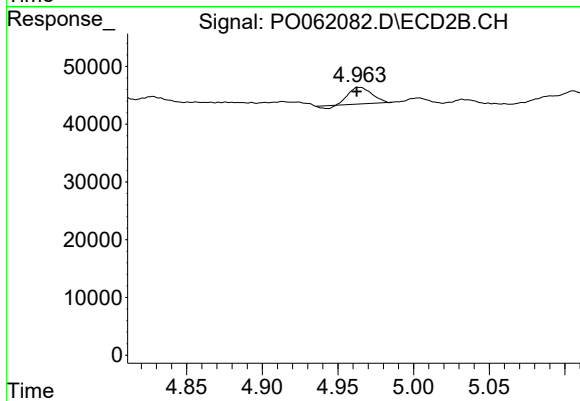
#23 AR-1248-3

R.T.: 4.798 min  
Delta R.T.: 0.002 min  
Response: 24079  
Conc: 18.14 ng/ml



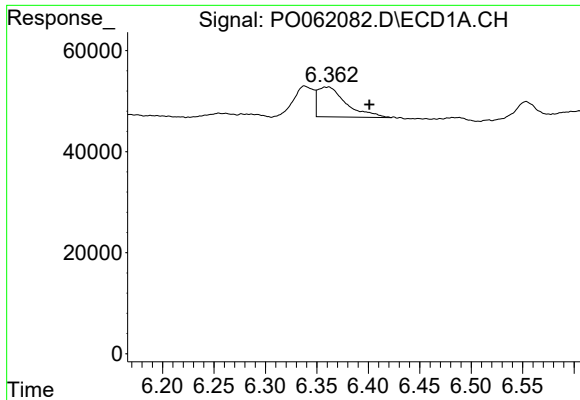
#24 AR-1248-4

R.T.: 6.361 min  
Delta R.T.: -0.002 min  
Response: 113051  
Conc: 44.25 ng/ml



#24 AR-1248-4

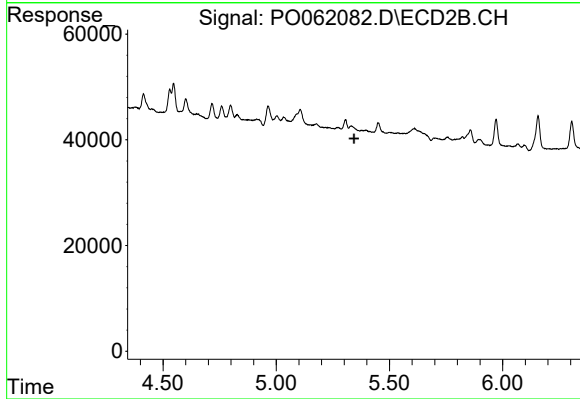
R.T.: 4.964 min  
Delta R.T.: 0.002 min  
Response: 28769  
Conc: 18.18 ng/ml



#25 AR-1248-5

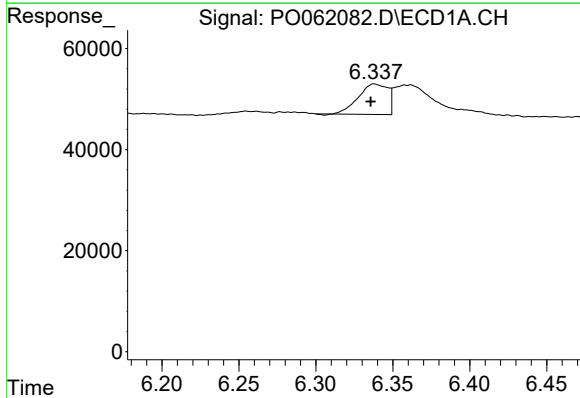
R.T.: 6.361 min  
Delta R.T.: -0.040 min  
Response: 113051  
Conc: 46.24 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



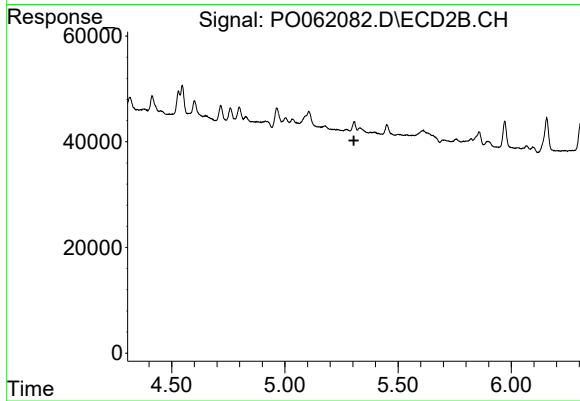
#25 AR-1248-5

R.T.: 0.000 min  
Exp R.T. : 5.343 min  
Response: 0  
Conc: N.D.



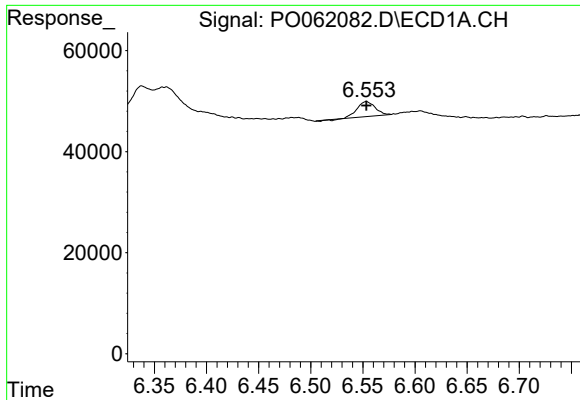
#26 AR-1254-1

R.T.: 6.338 min  
Delta R.T.: 0.002 min  
Response: 80169  
Conc: 30.08 ng/ml



#26 AR-1254-1

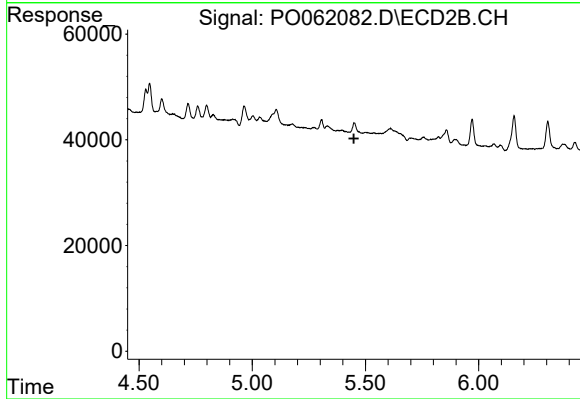
R.T.: 0.000 min  
Exp R.T. : 5.305 min  
Response: 0  
Conc: N.D.



#27 AR-1254-2

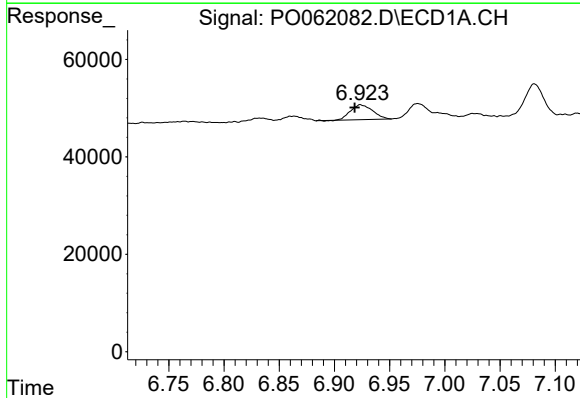
R.T.: 6.553 min  
Delta R.T.: 0.000 min  
Response: 35184  
Conc: 8.61 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



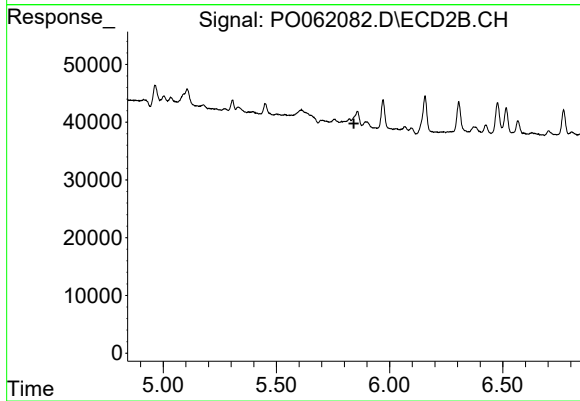
#27 AR-1254-2

R.T.: 0.000 min  
Exp R.T. : 5.449 min  
Response: 0  
Conc: N.D.



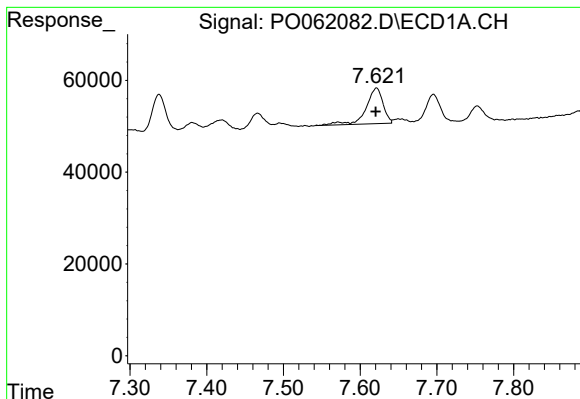
#28 AR-1254-3

R.T.: 6.924 min  
Delta R.T.: 0.005 min  
Response: 42397  
Conc: 10.13 ng/ml



#28 AR-1254-3

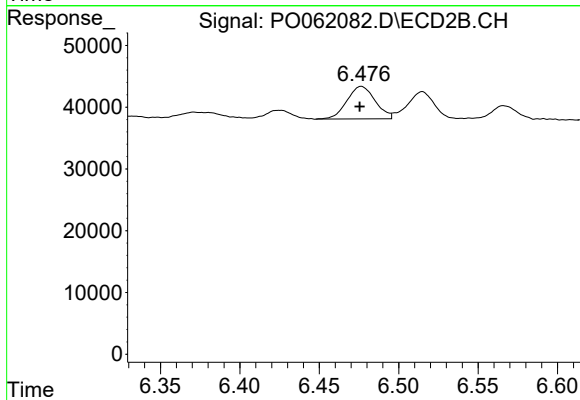
R.T.: 0.000 min  
Exp R.T. : 5.842 min  
Response: 0  
Conc: N.D.



#30 AR-1254-5

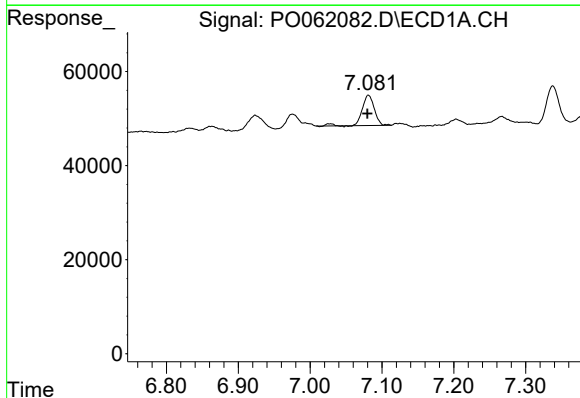
R.T.: 7.621 min  
Delta R.T.: 0.001 min  
Response: 119610  
Conc: 38.17 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



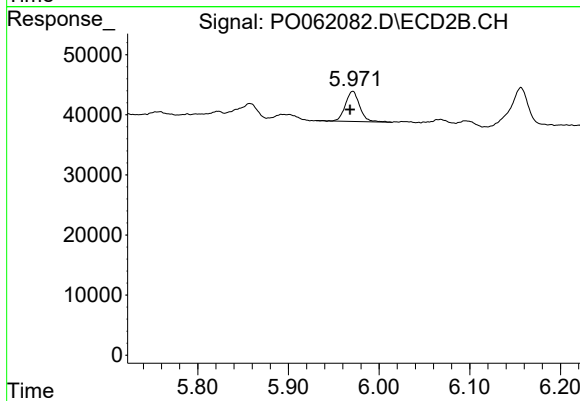
#30 AR-1254-5

R.T.: 6.476 min  
Delta R.T.: 0.000 min  
Response: 65312  
Conc: 24.73 ng/ml



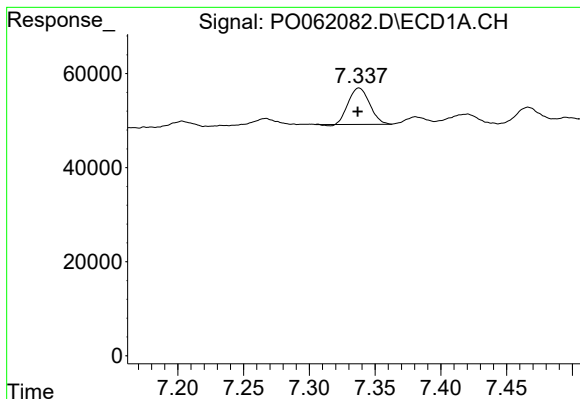
#31 AR-1260-1

R.T.: 7.081 min  
Delta R.T.: 0.001 min  
Response: 75522  
Conc: 26.53 ng/ml



#31 AR-1260-1

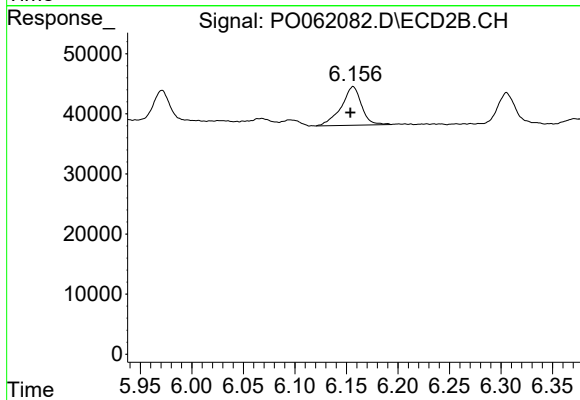
R.T.: 5.971 min  
Delta R.T.: 0.003 min  
Response: 55126  
Conc: 25.94 ng/ml



#32 AR-1260-2

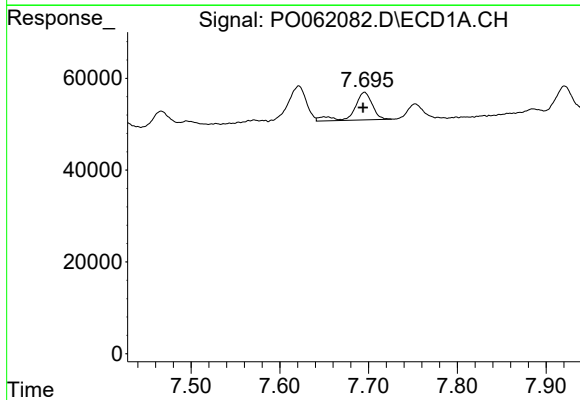
R.T.: 7.338 min  
Delta R.T.: 0.001 min  
Response: 87275  
Conc: 25.44 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



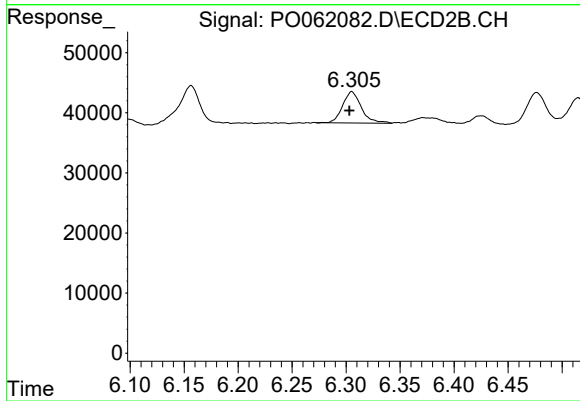
#32 AR-1260-2

R.T.: 6.156 min  
Delta R.T.: 0.003 min  
Response: 88138  
Conc: 34.73 ng/ml



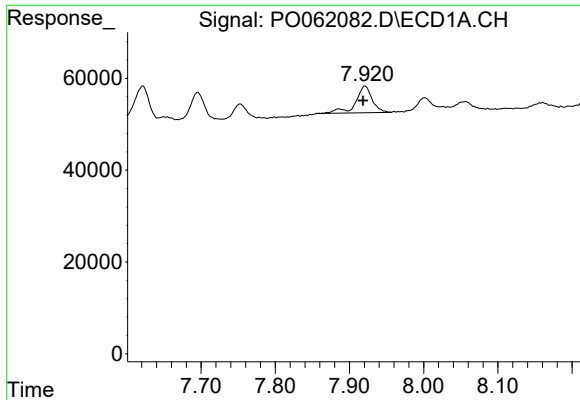
#33 AR-1260-3

R.T.: 7.695 min  
Delta R.T.: 0.002 min  
Response: 86426  
Conc: 32.66 ng/ml



#33 AR-1260-3

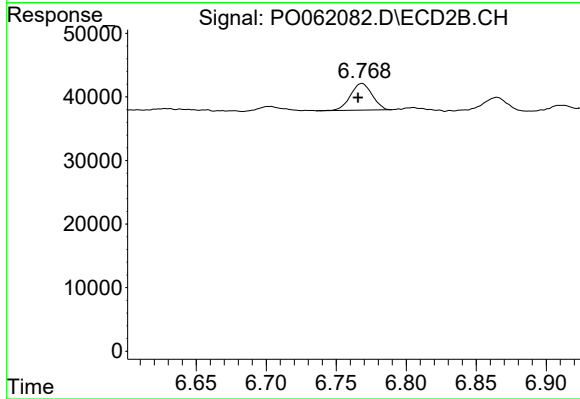
R.T.: 6.305 min  
Delta R.T.: 0.002 min  
Response: 63260  
Conc: 28.01 ng/ml



#34 AR-1260-4

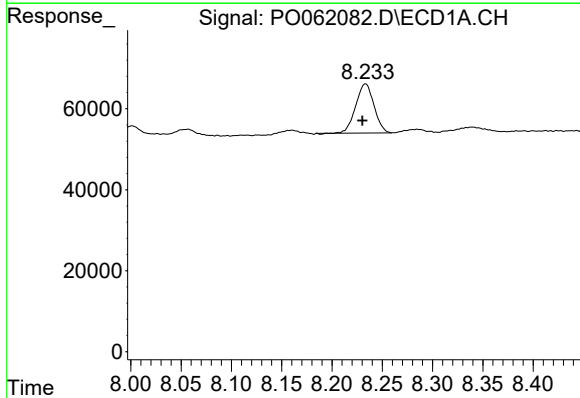
R.T.: 7.921 min  
Delta R.T.: 0.003 min  
Response: 89392  
Conc: 31.96 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



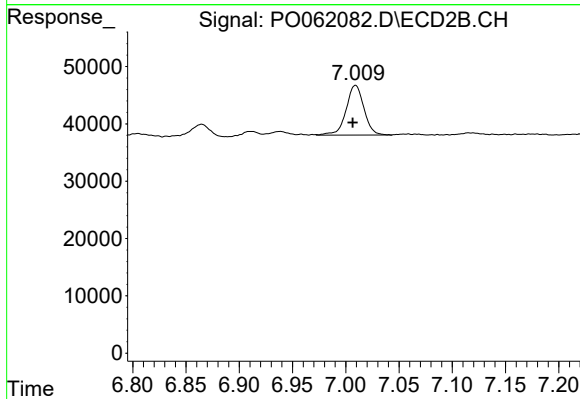
#34 AR-1260-4

R.T.: 6.768 min  
Delta R.T.: 0.003 min  
Response: 45241  
Conc: 25.77 ng/ml



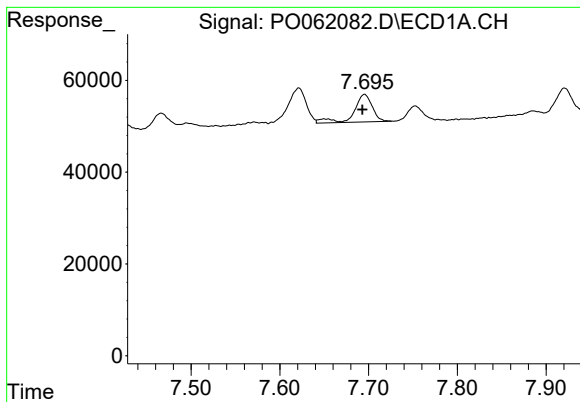
#35 AR-1260-5

R.T.: 8.233 min  
Delta R.T.: 0.003 min  
Response: 153512  
Conc: 29.32 ng/ml



#35 AR-1260-5

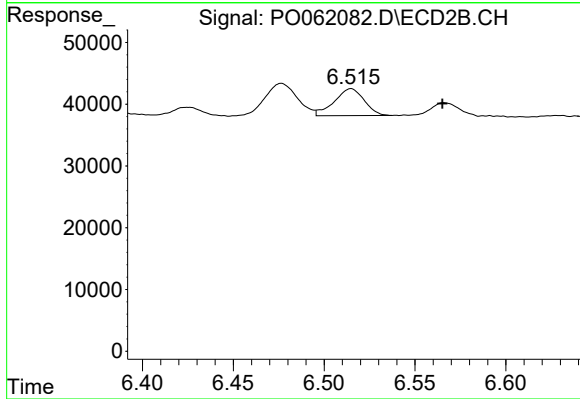
R.T.: 7.009 min  
Delta R.T.: 0.003 min  
Response: 101437  
Conc: 28.16 ng/ml



#36 AR-1262-1

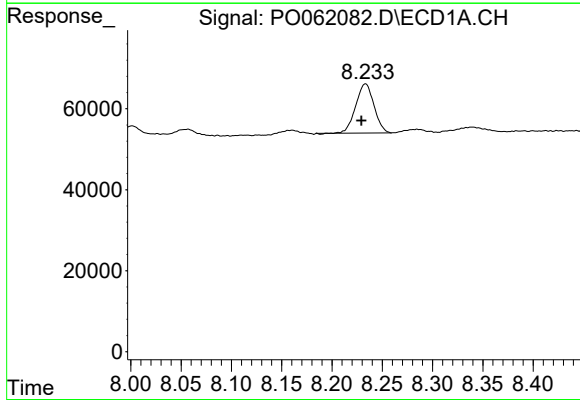
R.T.: 7.695 min  
Delta R.T.: 0.002 min  
Response: 86426  
Conc: 21.05 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



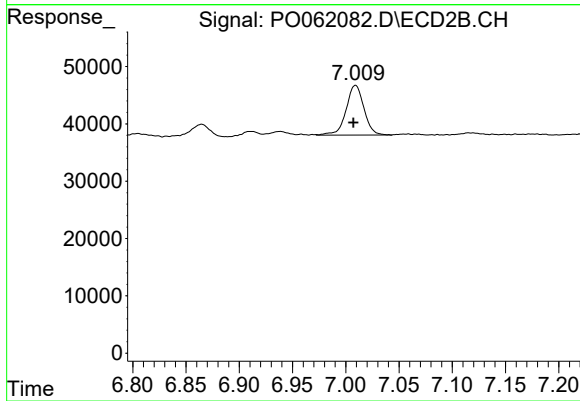
#36 AR-1262-1

R.T.: 6.515 min  
Delta R.T.: -0.050 min  
Response: 50174  
Conc: 42.10 ng/ml



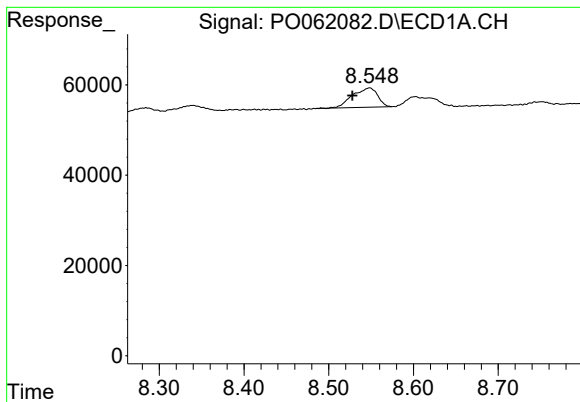
#37 AR-1262-2

R.T.: 8.233 min  
Delta R.T.: 0.004 min  
Response: 153512  
Conc: 23.81 ng/ml



#37 AR-1262-2

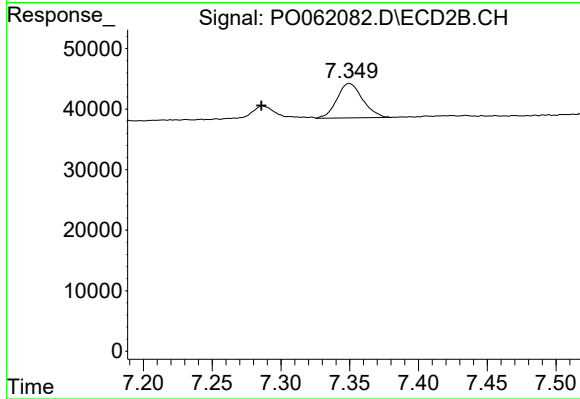
R.T.: 7.009 min  
Delta R.T.: 0.002 min  
Response: 101437  
Conc: 24.14 ng/ml



#38 AR-1262-3

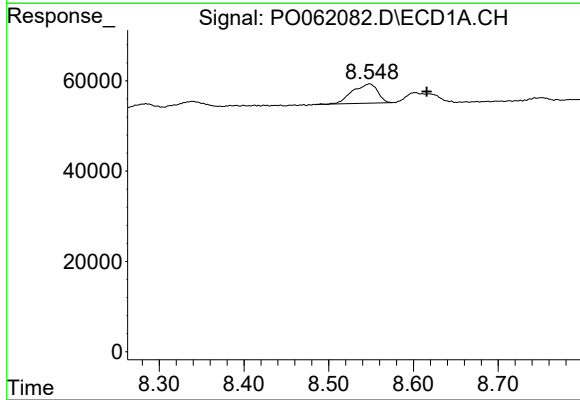
R.T.: 8.548 min  
Delta R.T.: 0.020 min  
Response: 88170  
Conc: 20.05 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



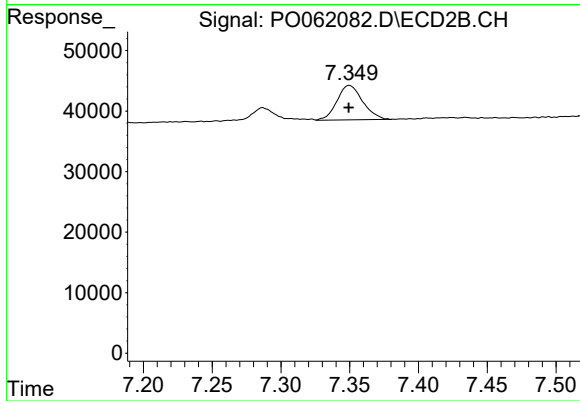
#38 AR-1262-3

R.T.: 7.350 min  
Delta R.T.: 0.064 min  
Response: 73857  
Conc: 41.99 ng/ml



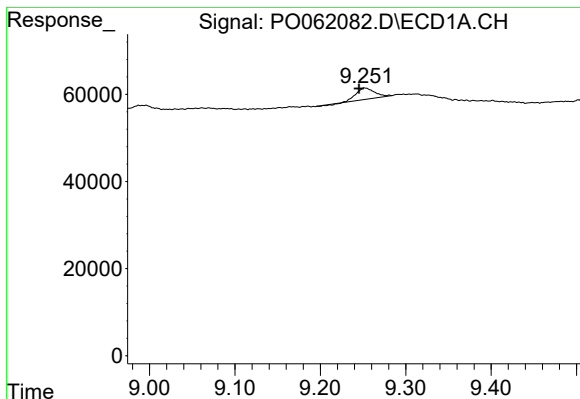
#39 AR-1262-4

R.T.: 8.548 min  
Delta R.T.: -0.068 min  
Response: 88170  
Conc: 25.52 ng/ml



#39 AR-1262-4

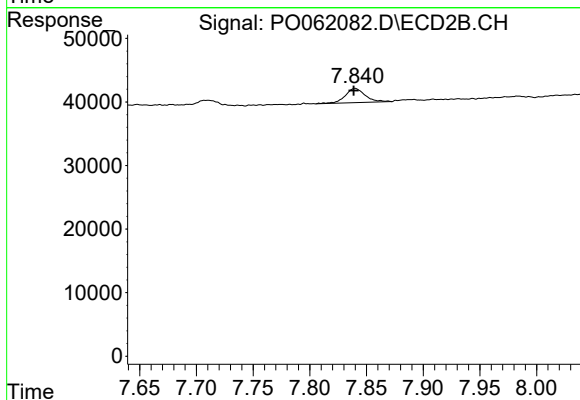
R.T.: 7.350 min  
Delta R.T.: 0.000 min  
Response: 73857  
Conc: 24.16 ng/ml



#40 AR-1262-5

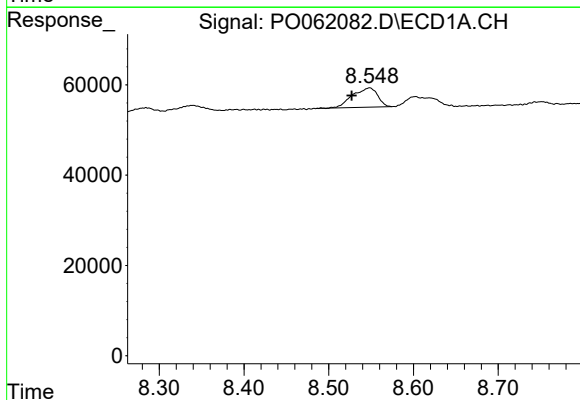
R.T.: 9.252 min  
Delta R.T.: 0.007 min  
Response: 37912  
Conc: 16.78 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



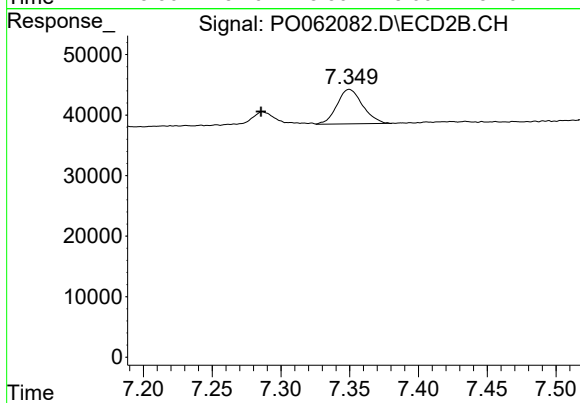
#40 AR-1262-5

R.T.: 7.840 min  
Delta R.T.: 0.001 min  
Response: 27658  
Conc: 21.18 ng/ml



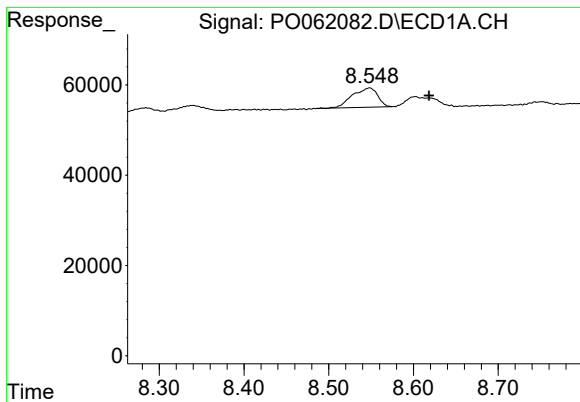
#41 AR-1268-1

R.T.: 8.548 min  
Delta R.T.: 0.021 min  
Response: 88170  
Conc: 11.65 ng/ml



#41 AR-1268-1

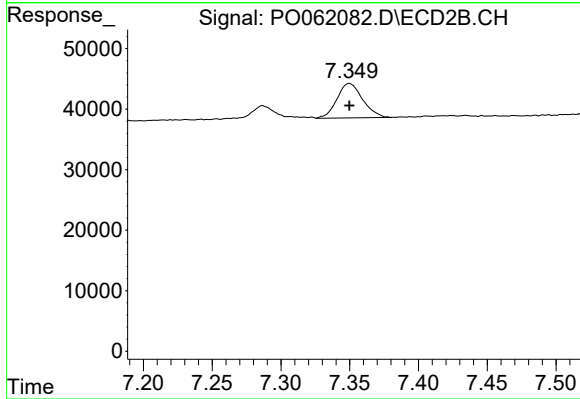
R.T.: 7.350 min  
Delta R.T.: 0.064 min  
Response: 73857  
Conc: 15.77 ng/ml



#42 AR-1268-2

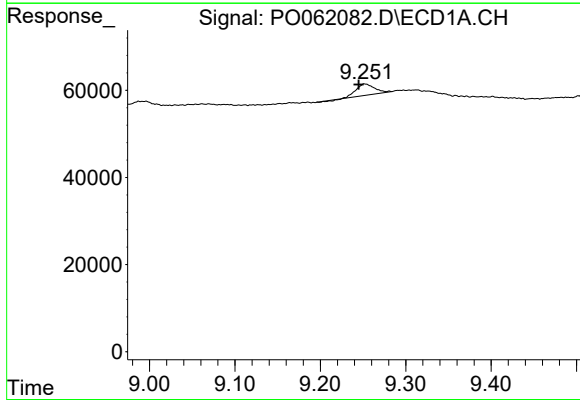
R.T.: 8.548 min  
Delta R.T.: -0.070 min  
Response: 88170  
Conc: 12.55 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



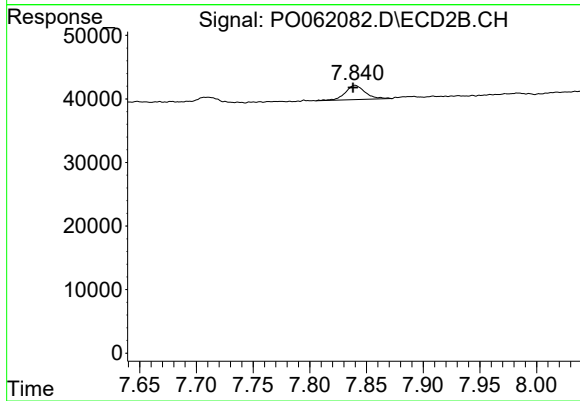
#42 AR-1268-2

R.T.: 7.350 min  
Delta R.T.: 0.000 min  
Response: 73857  
Conc: 17.68 ng/ml



#44 AR-1268-4

R.T.: 9.252 min  
Delta R.T.: 0.007 min  
Response: 37912  
Conc: 15.96 ng/ml



#44 AR-1268-4

R.T.: 7.840 min  
Delta R.T.: 0.002 min  
Response: 27658  
Conc: 19.41 ng/ml