

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012325\
 Data File : VY020917.D
 Acq On : 23 Jan 2025 17:50
 Operator : SY/MD
 Sample : Q1169-01
 Misc : 3.46g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ARS20-0006

Quant Time: Jan 24 00:20:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 00:38:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.719	168	403257	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.628	114	614506	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.426	117	465716	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.359	152	174605	50.000	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	146725	42.808	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.620%
35) Dibromofluoromethane	7.646	113	165287	42.934	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.860%
50) Toluene-d8	10.115	98	636271	47.410	ug/l	-0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.820%
62) 4-Bromofluorobenzene	12.414	95	173761	35.061	ug/l	-0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	70.120%

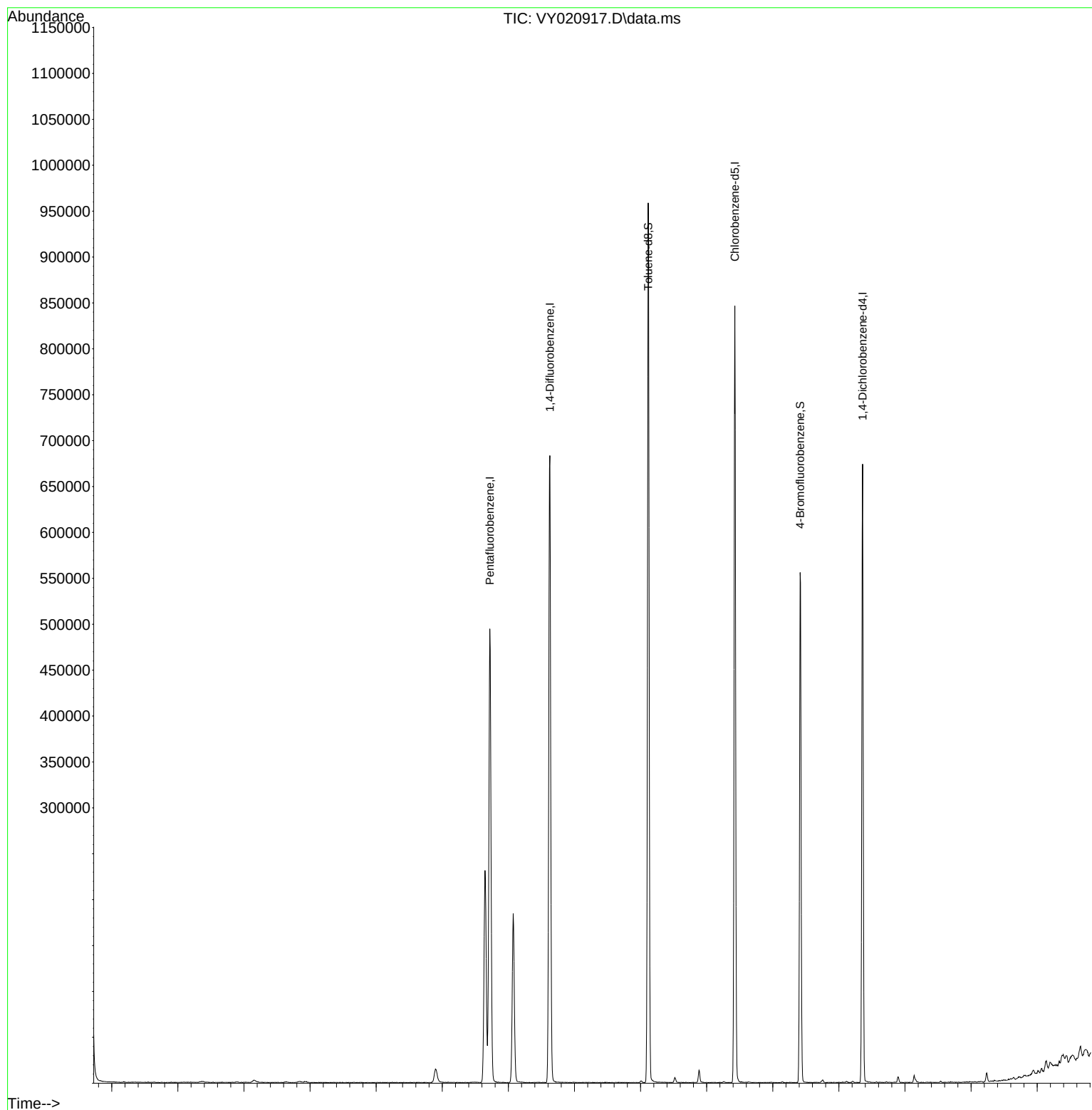
Target Compounds	Qvalue

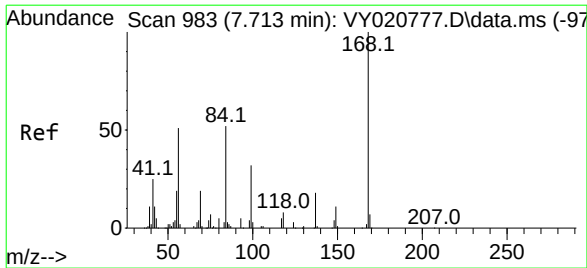
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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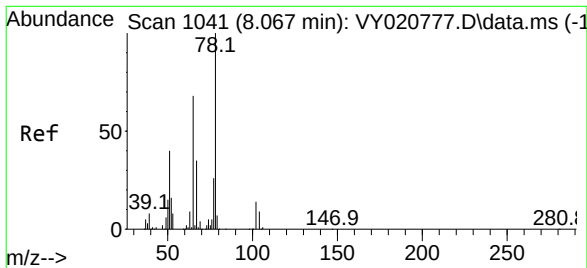
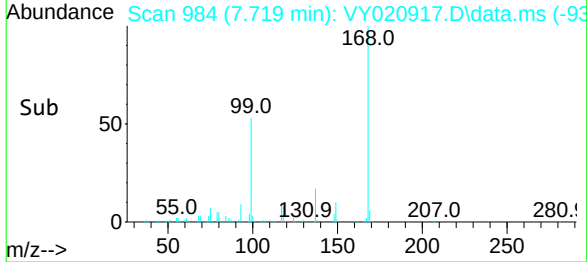
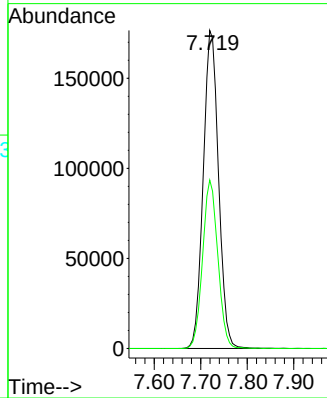
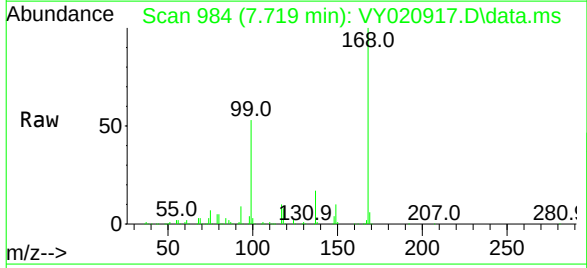




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. -0.018 min
Lab File: VY020917.D
Acq: 23 Jan 2025 17:50

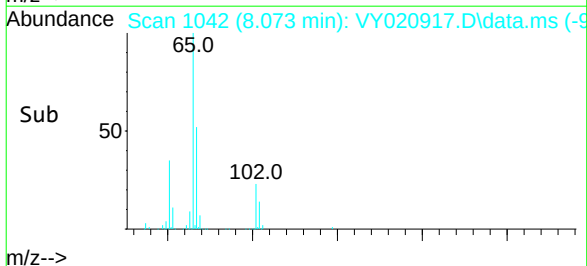
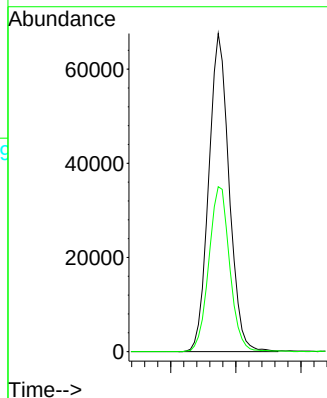
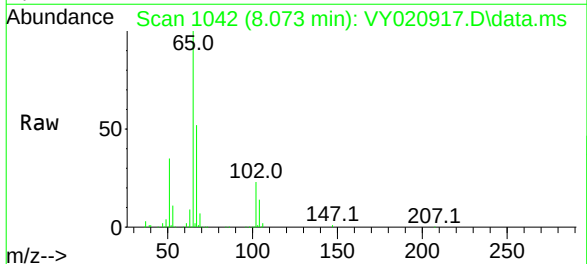
Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0006

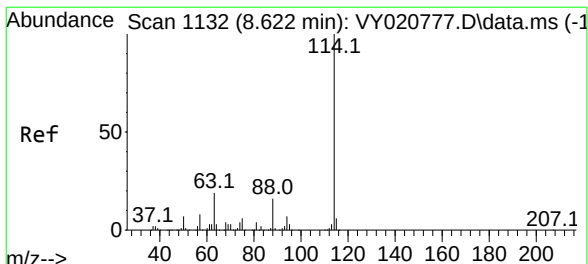
Tgt Ion: 168 Resp: 403257
Ion Ratio Lower Upper
168 100
99 53.0 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 42.808 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. -0.018 min
Lab File: VY020917.D
Acq: 23 Jan 2025 17:50

Tgt Ion: 65 Resp: 146725
Ion Ratio Lower Upper
65 100
67 53.2 0.0 102.8

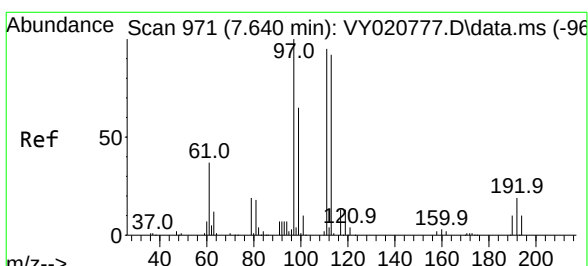
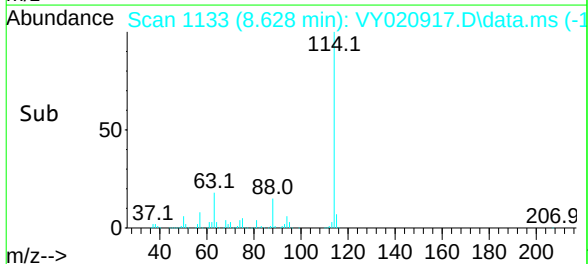
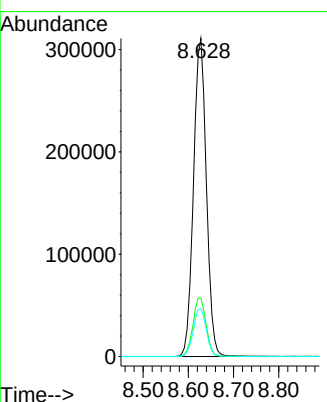
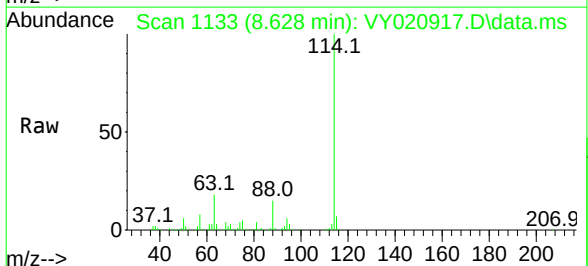




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.628 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: VY020917.D
 Acq: 23 Jan 2025 17:50

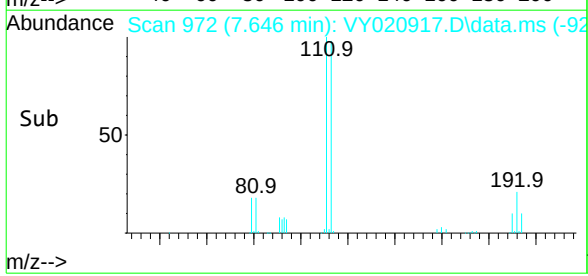
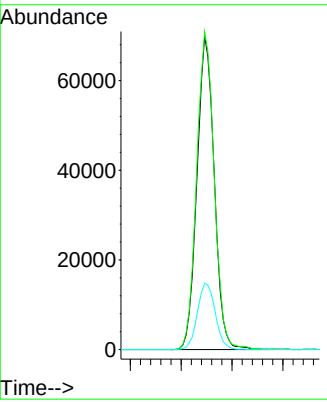
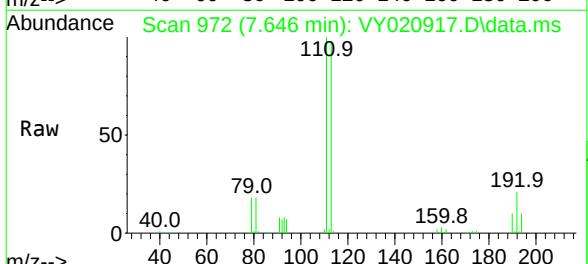
Instrument :
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 ClientSampleId :
 ARS20-0006

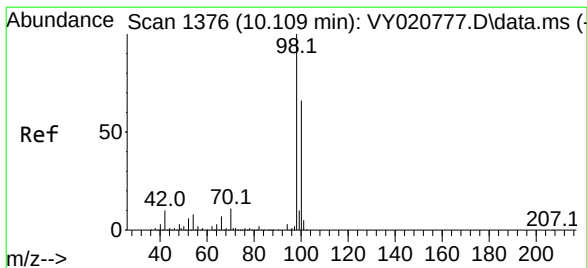
Tgt Ion:	114	Resp:	614506
Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	38.4
88	15.1	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 42.934 ug/l
 RT: 7.646 min Scan# 972
 Delta R.T. -0.018 min
 Lab File: VY020917.D
 Acq: 23 Jan 2025 17:50

Tgt Ion:	113	Resp:	165287
Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.7	122.5
192	21.9	16.7	25.1





#50

Toluene-d8

Concen: 47.410 ug/l

RT: 10.115 min Scan# 13

Delta R.T. -0.018 min

Lab File: VY020917.D

Acq: 23 Jan 2025 17:50

Instrument :

MSVOA_Y

ClientSampleId :

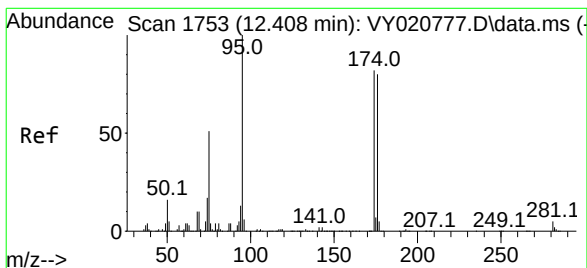
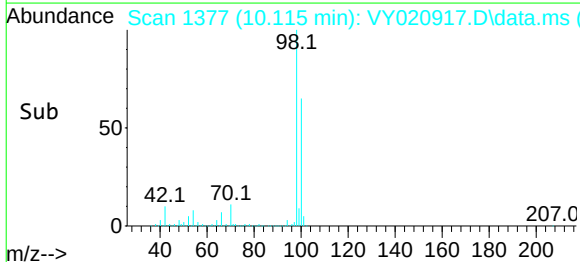
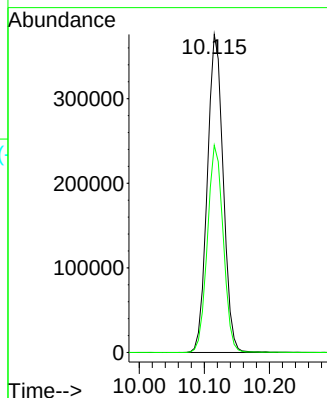
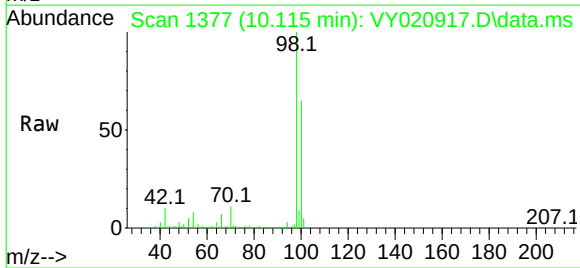
ARS20-0006

Tgt Ion: 98 Resp: 636271

Ion Ratio Lower Upper

98 100

100 65.1 52.5 78.7



#62

4-Bromofluorobenzene

Concen: 35.061 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.012 min

Lab File: VY020917.D

Acq: 23 Jan 2025 17:50

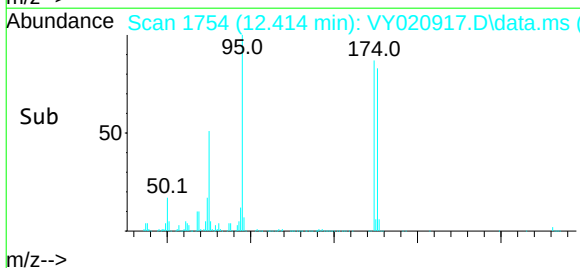
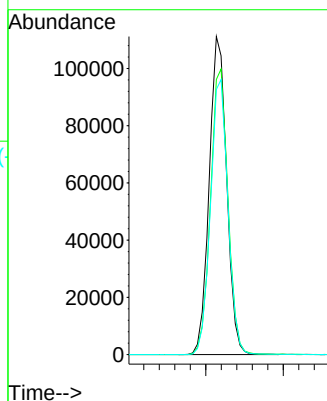
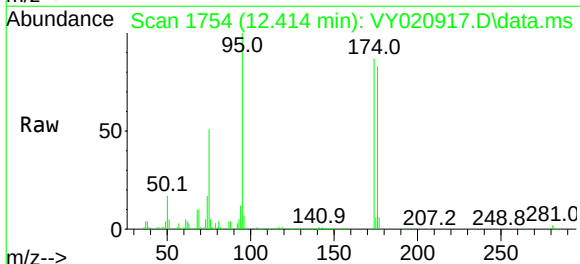
Tgt Ion: 95 Resp: 173761

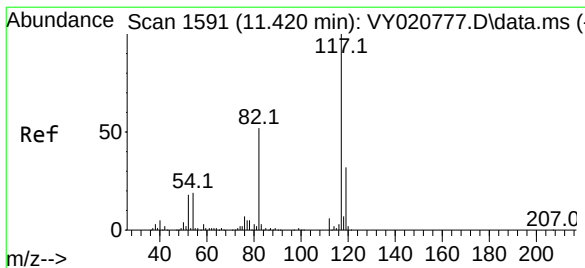
Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.0

176 86.8 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 1591

Delta R.T. -0.012 min

Lab File: VY020917.D

Acq: 23 Jan 2025 17:50

Instrument :

MSVOA_Y

ClientSampleId :

ARS20-0006

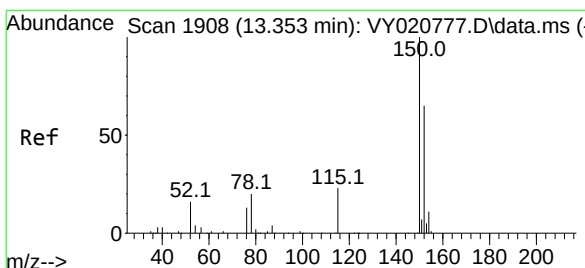
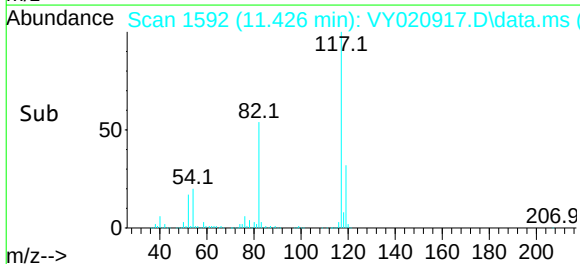
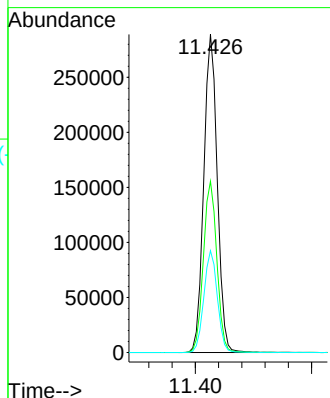
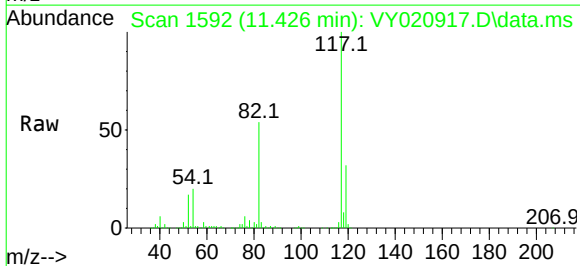
Tgt Ion:117 Resp: 465716

Ion Ratio Lower Upper

117 100

82 53.8 41.8 62.6

119 32.0 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. -0.012 min

Lab File: VY020917.D

Acq: 23 Jan 2025 17:50

Tgt Ion:152 Resp: 174605

Ion Ratio Lower Upper

152 100

115 57.1 29.0 87.0

150 159.2 0.0 347.4

