

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV071125\
 Data File : VV038885.D
 Acq On : 11 Jul 2025 11:10
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK

Quant Time: Jul 12 03:02:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V071125W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 12 02:26:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.596	168	573557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	927927	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	728175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	238441	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	388775	55.477	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	110.960%
35) Dibromofluoromethane	4.497	113	340785	53.865	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	107.740%
50) Toluene-d8	7.236	98	1095874	57.305	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	114.600%#
62) 4-Bromofluorobenzene	10.001	95	275278	35.733	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	71.460%#

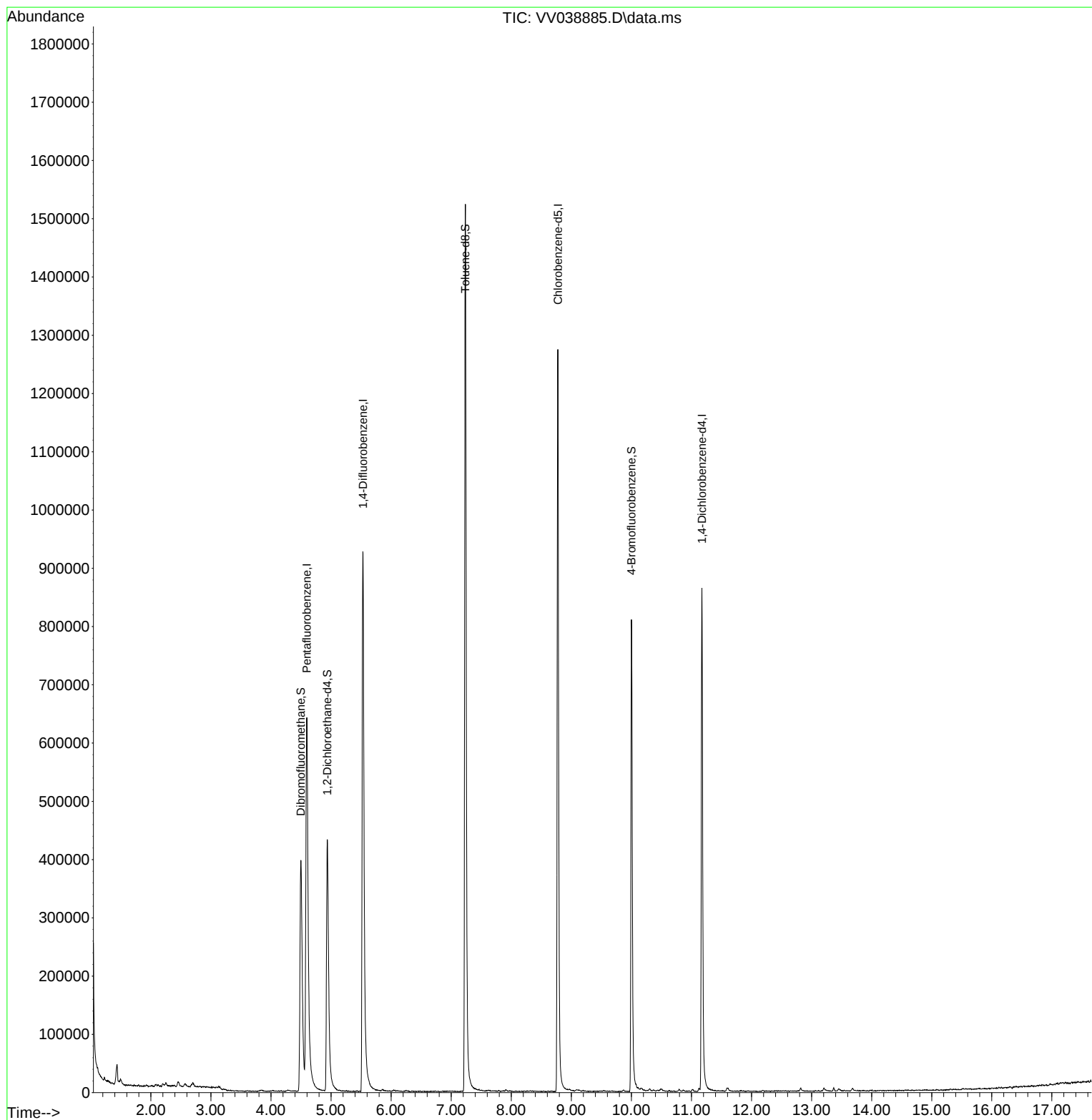
Target Compounds	Qvalue

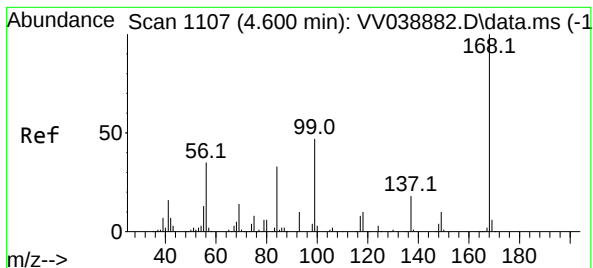
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.596 min Scan# 1106

Delta R.T. -0.004 min

Lab File: VV038885.D

Acq: 11 Jul 2025 11:10

Instrument :

MSVOA_V

ClientSampleId :

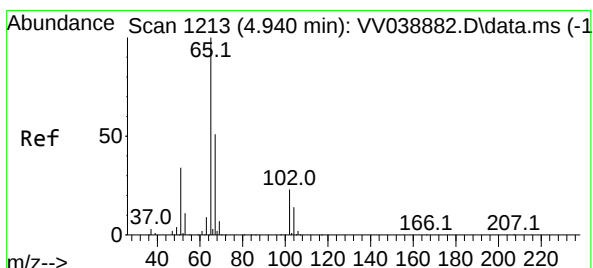
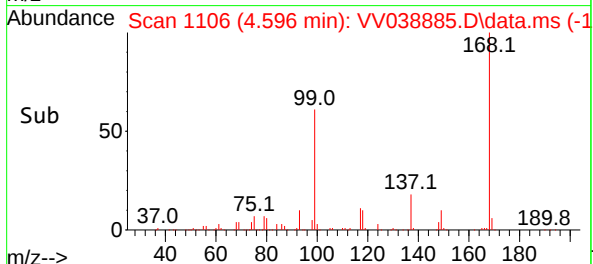
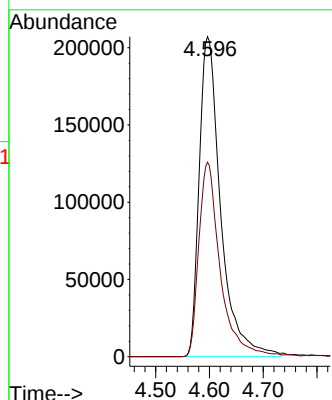
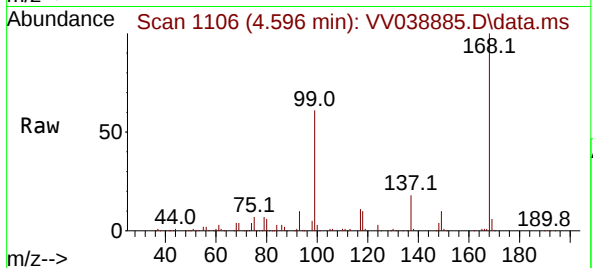
VIBLK

Tgt Ion:168 Resp: 573557

Ion Ratio Lower Upper

168 100

99 60.8 48.6 73.0



#33

1,2-Dichloroethane-d4

Concen: 55.477 ug/l

RT: 4.937 min Scan# 1212

Delta R.T. -0.003 min

Lab File: VV038885.D

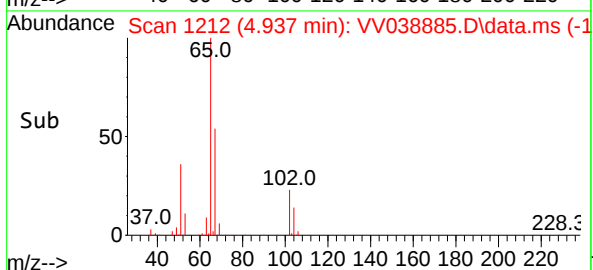
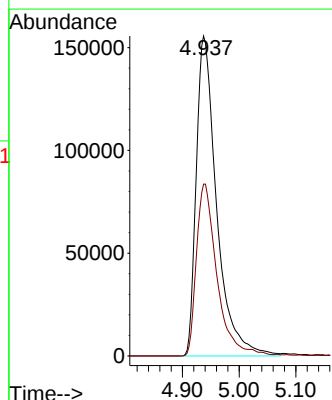
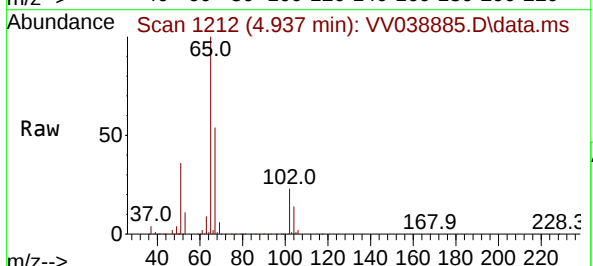
Acq: 11 Jul 2025 11:10

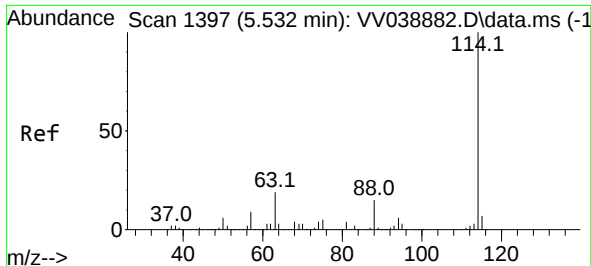
Tgt Ion: 65 Resp: 388775

Ion Ratio Lower Upper

65 100

67 54.1 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV038885.D

Acq: 11 Jul 2025 11:10

Instrument :

MSVOA_V

ClientSampleId :

VIBLK

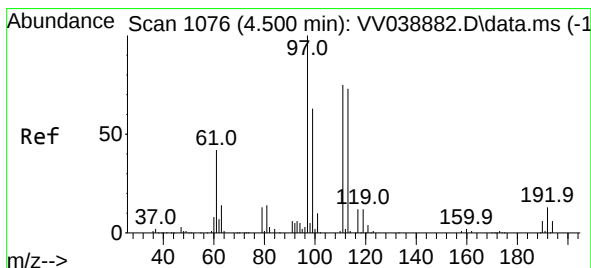
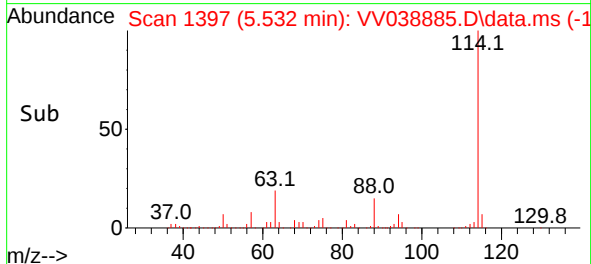
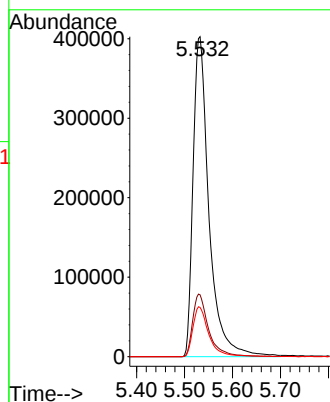
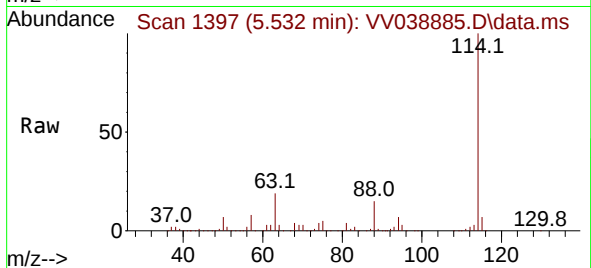
Tgt Ion:114 Resp: 927927

Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.2

88 15.4 0.0 30.8



#35

Dibromofluoromethane

Concen: 53.865 ug/l

RT: 4.497 min Scan# 1075

Delta R.T. -0.003 min

Lab File: VV038885.D

Acq: 11 Jul 2025 11:10

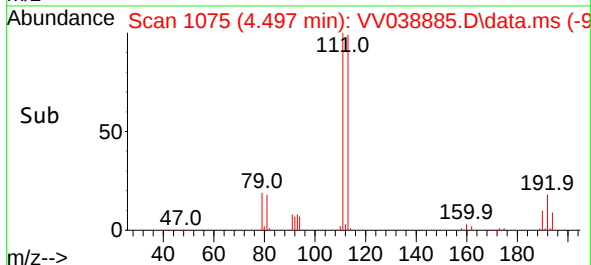
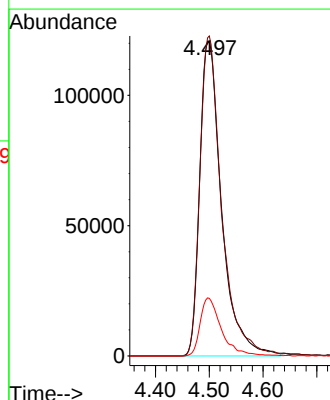
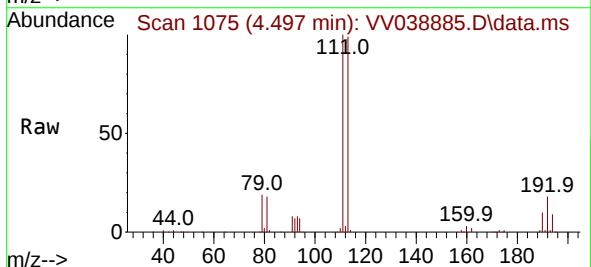
Tgt Ion:113 Resp: 340785

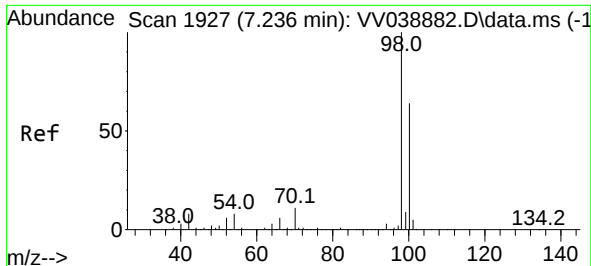
Ion Ratio Lower Upper

113 100

111 100.6 83.3 124.9

192 18.0 14.2 21.4





#50

Toluene-d8

Concen: 57.305 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.000 min

Lab File: VV038885.D

Acq: 11 Jul 2025 11:10

Instrument :

MSVOA_V

ClientSampleId :

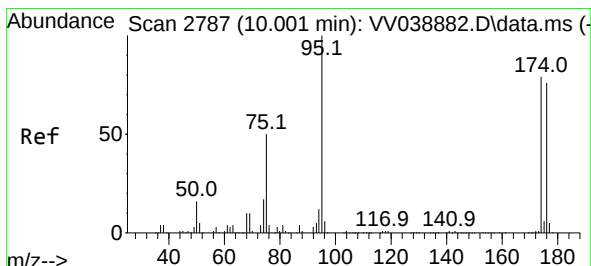
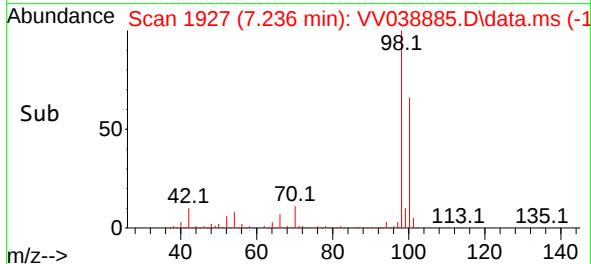
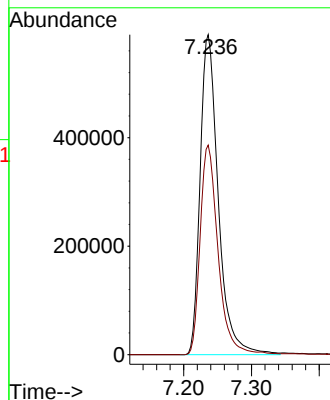
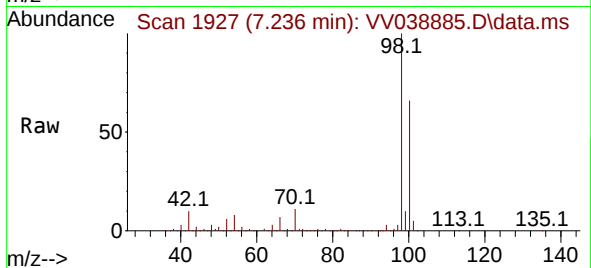
VIBLK

Tgt Ion: 98 Resp: 1095874

Ion Ratio Lower Upper

98 100

100 64.9 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 35.733 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. 0.000 min

Lab File: VV038885.D

Acq: 11 Jul 2025 11:10

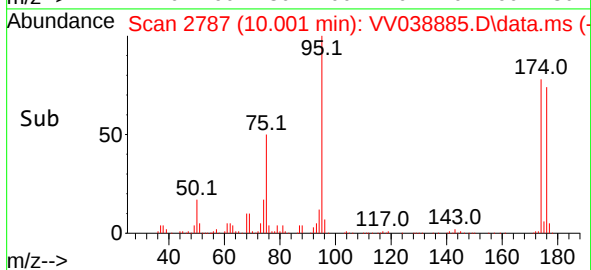
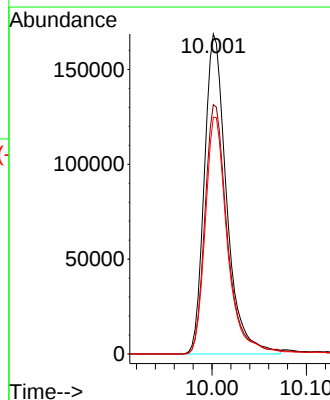
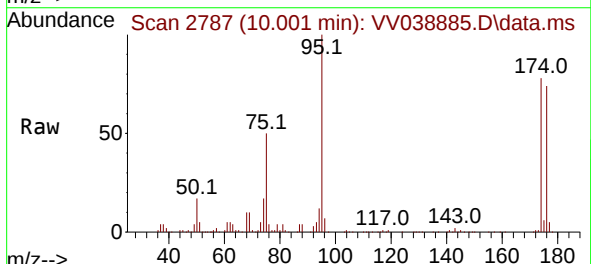
Tgt Ion: 95 Resp: 275278

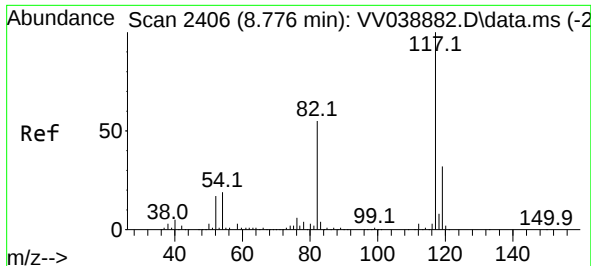
Ion Ratio Lower Upper

95 100

174 79.6 0.0 160.0

176 74.3 0.0 152.2

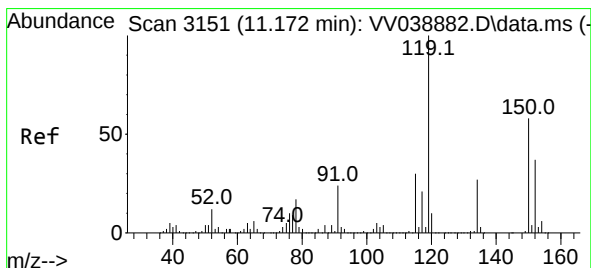
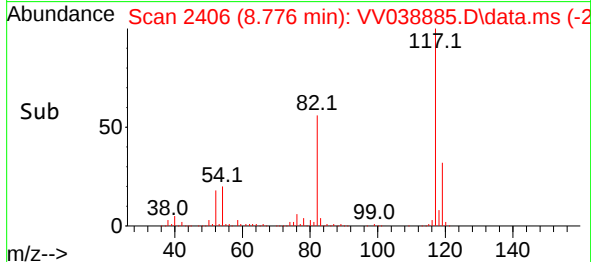
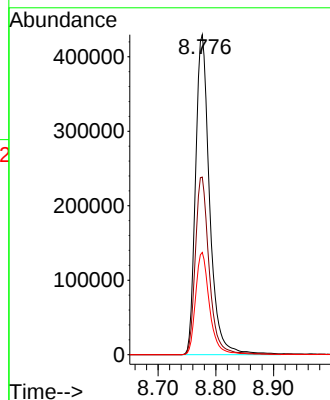
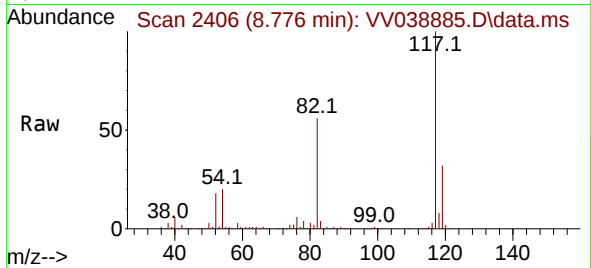




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VV038885.D
Acq: 11 Jul 2025 11:10

Instrument :
MSVOA_V
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 728175
Ion Ratio Lower Upper
117 100
82 55.5 43.7 65.5
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV038885.D
Acq: 11 Jul 2025 11:10

Tgt Ion:152 Resp: 238441
Ion Ratio Lower Upper
152 100
115 60.9 41.8 125.4
150 157.4 0.0 342.4

