

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
 Data File : VV038978.D
 Acq On : 21 Aug 2025 11:23
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK

Quant Time: Aug 22 04:23:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 04:15:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.603	168	443513	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	773055	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	682490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	291225	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	320334	51.474	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	102.940%
35) Dibromofluoromethane	4.503	113	276019	47.610	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	95.220%
50) Toluene-d8	7.236	98	890717	44.059	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	88.120%#
62) 4-Bromofluorobenzene	10.001	95	263282	35.600	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	71.200%#

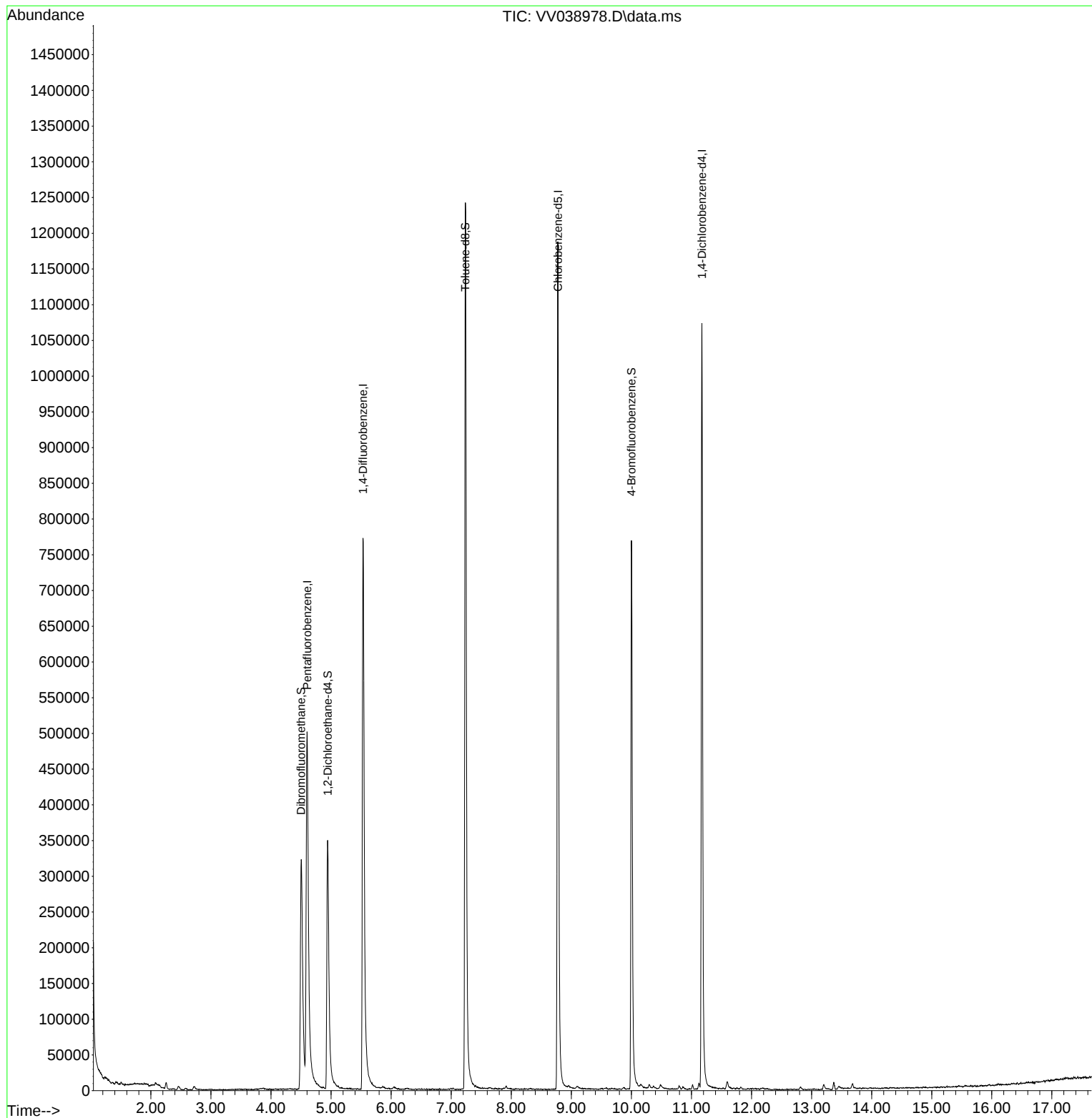
Target Compounds	Qvalue

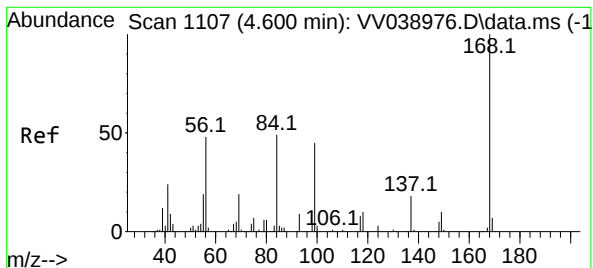
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.603 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV038978.D

Acq: 21 Aug 2025 11:23

Instrument :

MSVOA_V

ClientSampleId :

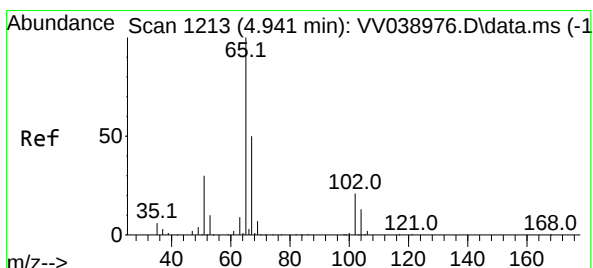
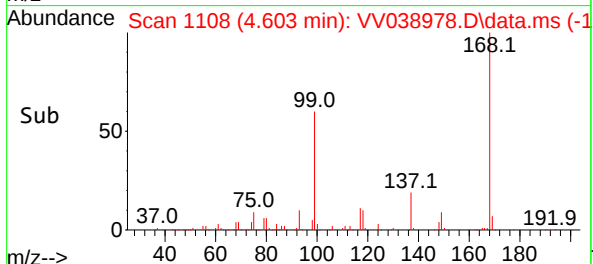
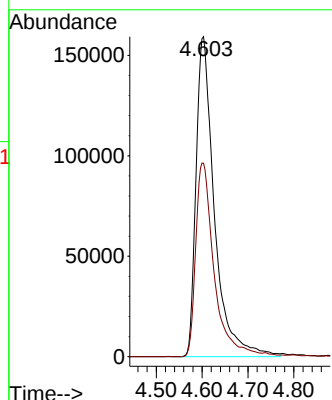
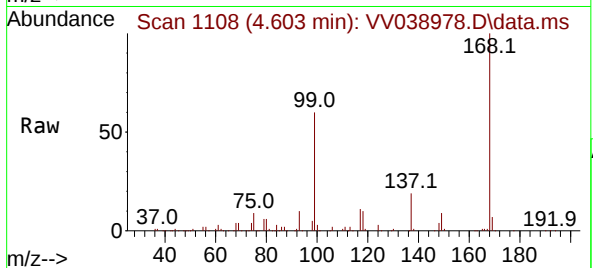
VIBLK

Tgt Ion:168 Resp: 443513

Ion Ratio Lower Upper

168 100

99 60.4 47.0 70.6



#33

1,2-Dichloroethane-d4

Concen: 51.474 ug/l

RT: 4.944 min Scan# 1214

Delta R.T. 0.003 min

Lab File: VV038978.D

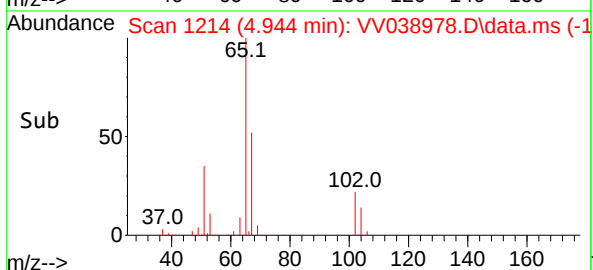
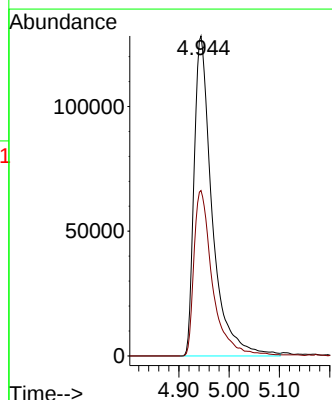
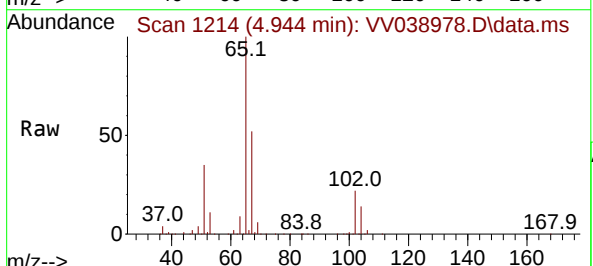
Acq: 21 Aug 2025 11:23

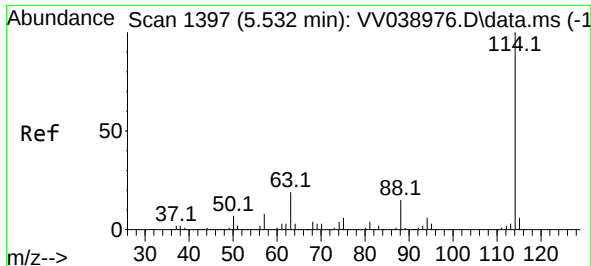
Tgt Ion: 65 Resp: 320334

Ion Ratio Lower Upper

65 100

67 53.2 0.0 100.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV038978.D

Acq: 21 Aug 2025 11:23

Instrument :

MSVOA_V

ClientSampleId :

VIBLK

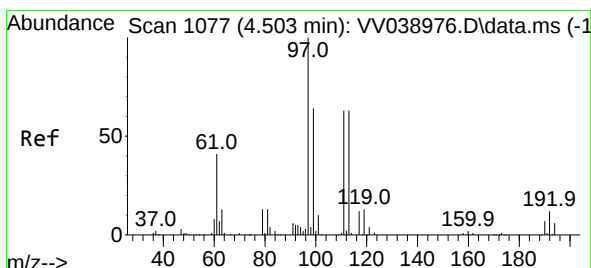
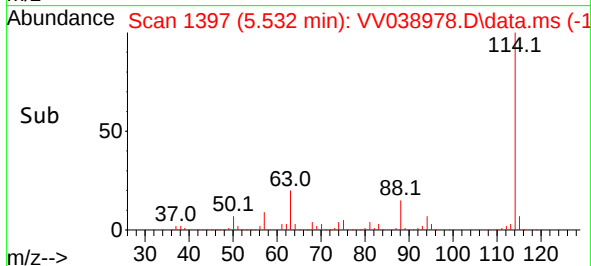
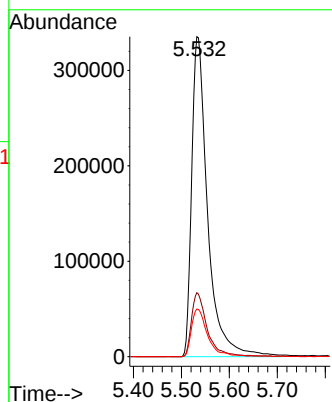
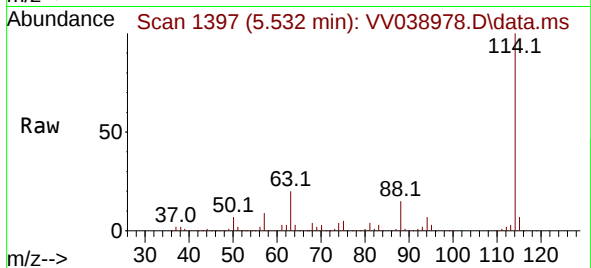
Tgt Ion:114 Resp: 773055

Ion Ratio Lower Upper

114 100

63 20.0 0.0 37.4

88 14.9 0.0 30.4



#35

Dibromofluoromethane

Concen: 47.610 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. -0.000 min

Lab File: VV038978.D

Acq: 21 Aug 2025 11:23

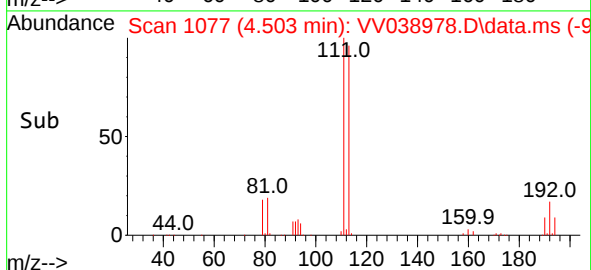
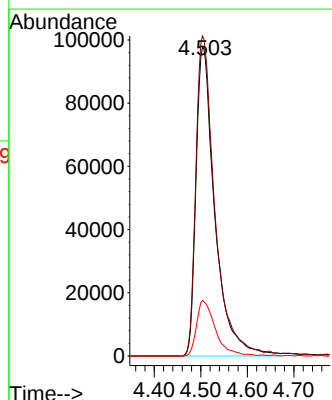
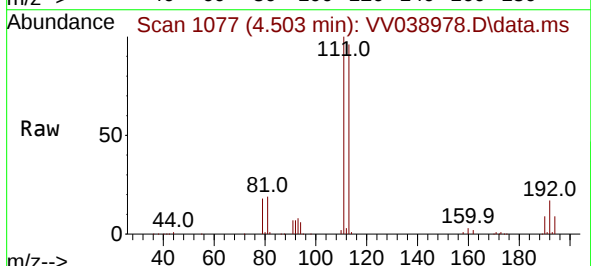
Tgt Ion:113 Resp: 276019

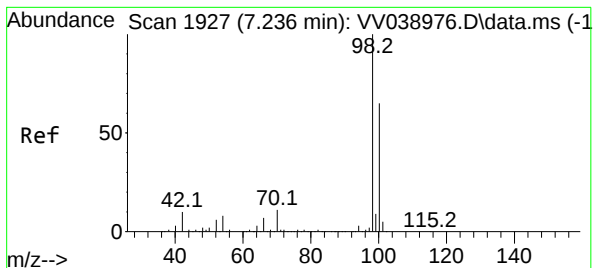
Ion Ratio Lower Upper

113 100

111 103.5 81.3 121.9

192 17.8 15.4 23.0





#50

Toluene-d8

Concen: 44.059 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. -0.000 min

Lab File: VV038978.D

Acq: 21 Aug 2025 11:23

Instrument :

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ClientSampleId :

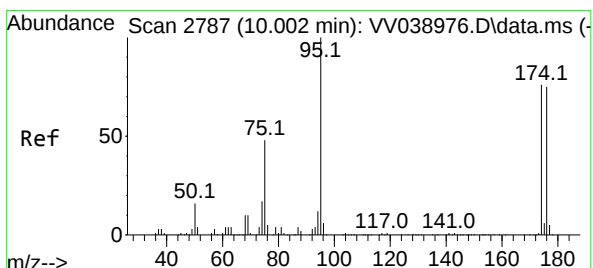
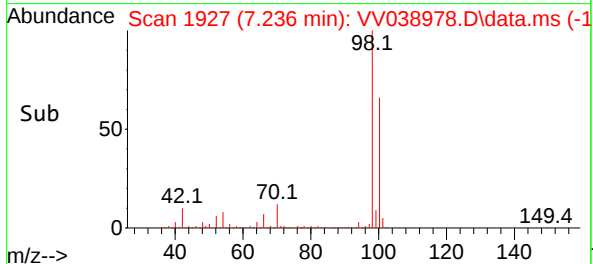
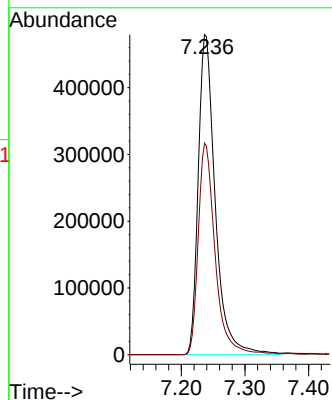
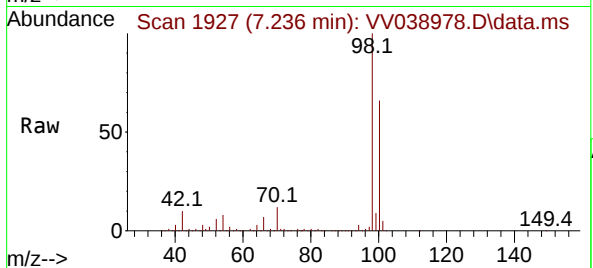
VIBLK

Tgt Ion: 98 Resp: 890717

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 35.600 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. -0.000 min

Lab File: VV038978.D

Acq: 21 Aug 2025 11:23

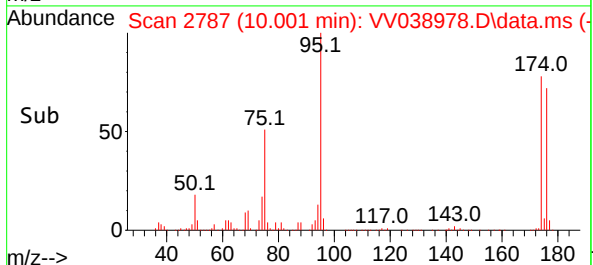
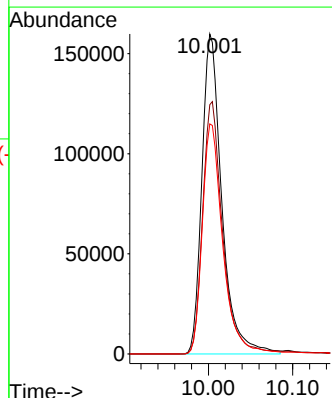
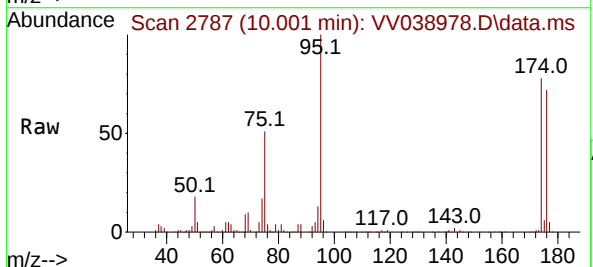
Tgt Ion: 95 Resp: 263282

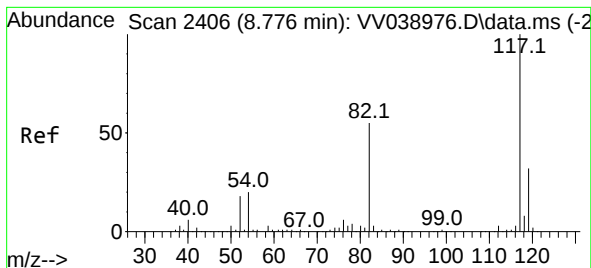
Ion Ratio Lower Upper

95 100

174 80.1 0.0 154.4

176 73.9 0.0 148.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.776 min Scan# 24

Delta R.T. 0.000 min

Lab File: VV038978.D

Acq: 21 Aug 2025 11:23

Instrument :

MSVOA_V

ClientSampleId :

VIBLK

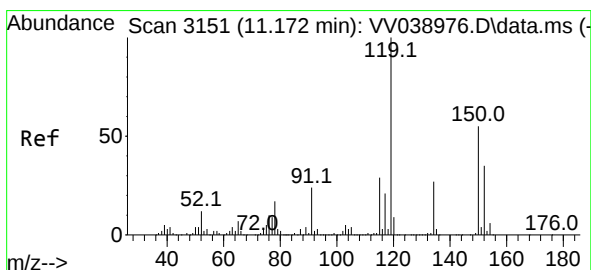
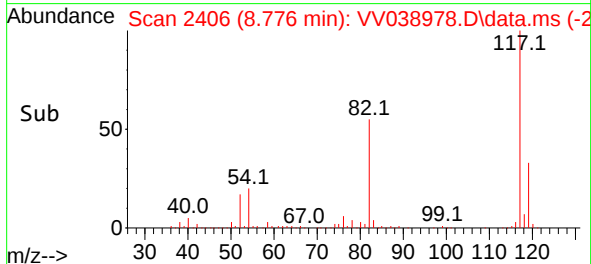
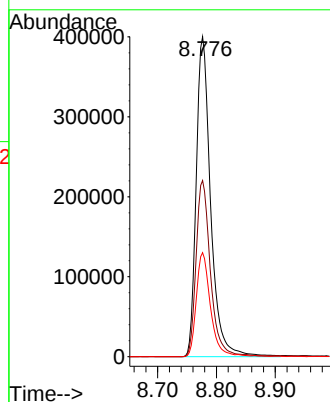
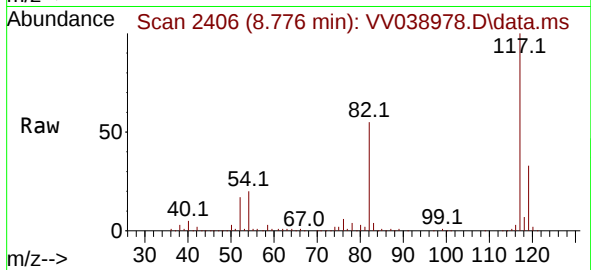
Tgt Ion:117 Resp: 682490

Ion Ratio Lower Upper

117 100

82 55.0 44.4 66.6

119 32.5 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.175 min Scan# 3152

Delta R.T. 0.003 min

Lab File: VV038978.D

Acq: 21 Aug 2025 11:23

Tgt Ion:152 Resp: 291225

Ion Ratio Lower Upper

152 100

115 60.6 42.5 127.5

150 157.8 0.0 344.8

