

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
 Data File : VV039317.D
 Acq On : 04 Nov 2025 16:17
 Operator : SY/MD
 Sample : Q3534-10
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EB-1

Quant Time: Nov 05 00:38:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	597120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1091584	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1047699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	472586	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	495700	58.422	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	116.840%
35) Dibromofluoromethane	4.500	113	436380	50.737	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	101.480%
50) Toluene-d8	7.236	98	1360687	46.504	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	93.000%
62) 4-Bromofluorobenzene	10.001	95	462779	44.410	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	88.820%

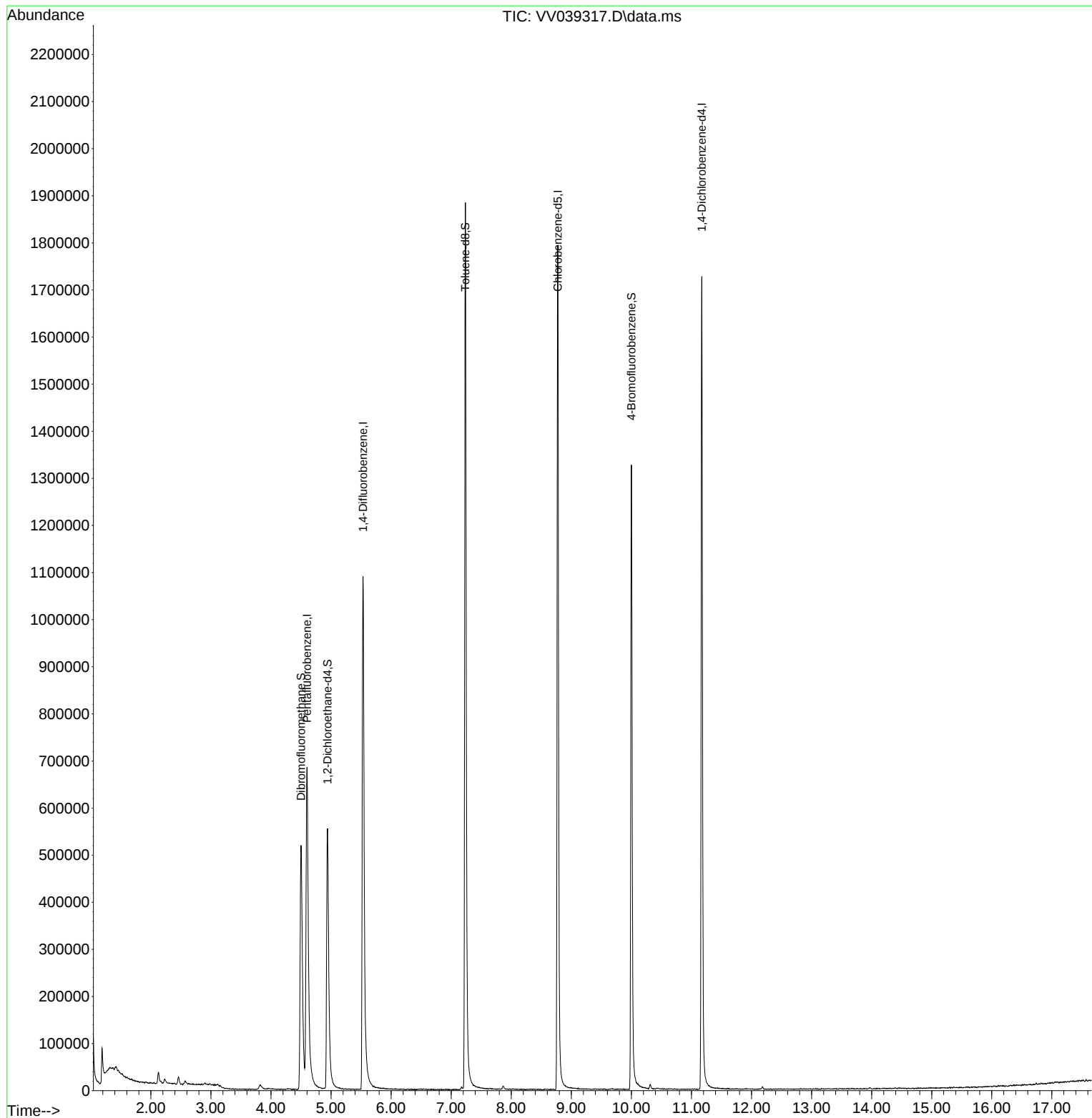
Target Compounds	Qvalue

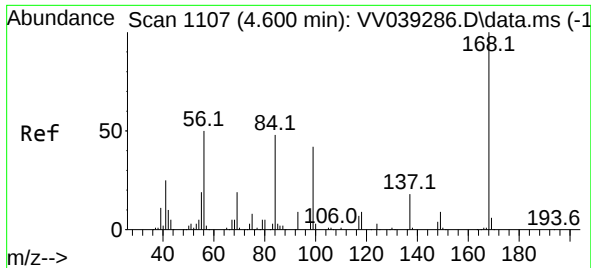
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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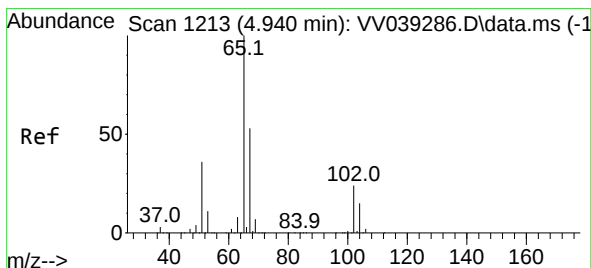
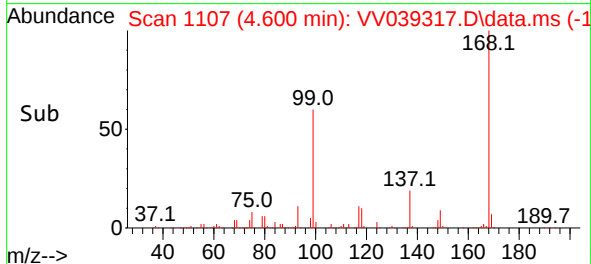
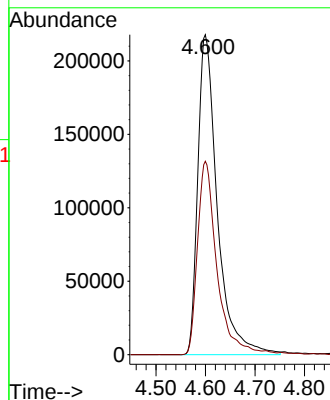
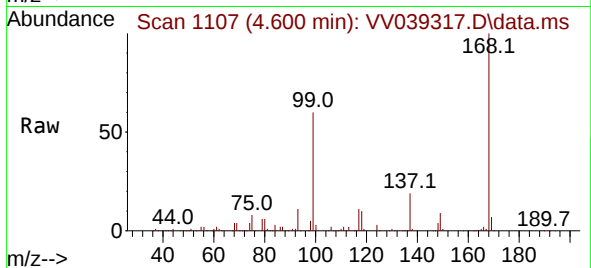




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV039317.D
Acq: 04 Nov 2025 16:17

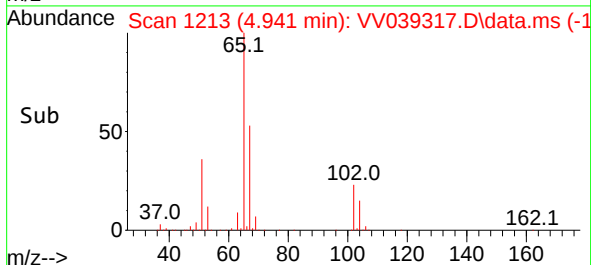
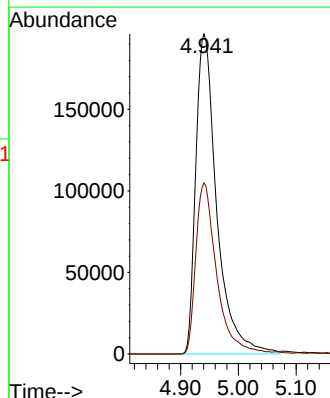
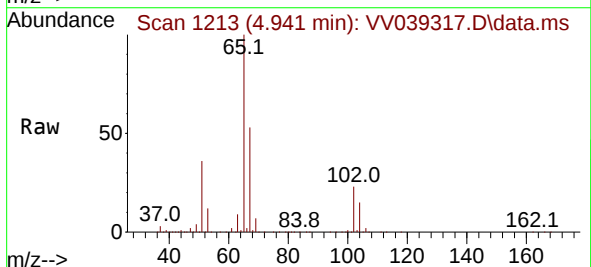
Instrument :
MSVOA_V
ClientSampleId :
EB-1

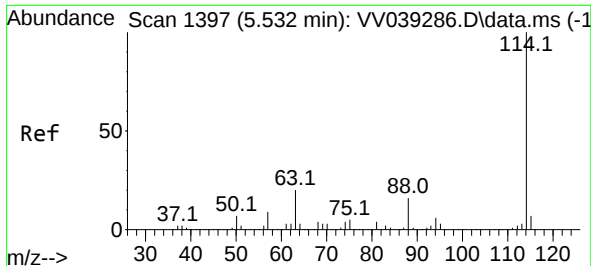
Tgt Ion:168 Resp: 597120
Ion Ratio Lower Upper
168 100
99 60.4 46.6 70.0



#33
1,2-Dichloroethane-d4
Concen: 58.422 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. 0.000 min
Lab File: VV039317.D
Acq: 04 Nov 2025 16:17

Tgt Ion: 65 Resp: 495700
Ion Ratio Lower Upper
65 100
67 53.1 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV039317.D

Acq: 04 Nov 2025 16:17

Instrument :

MSVOA_V

ClientSampleId :

EB-1

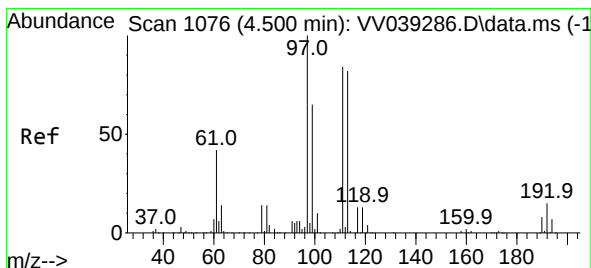
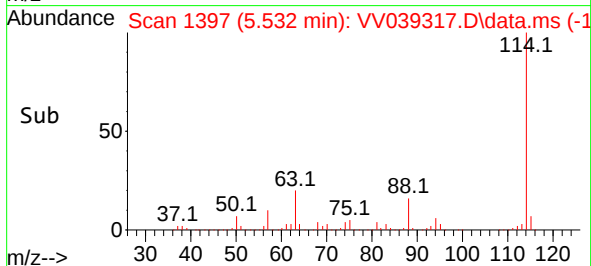
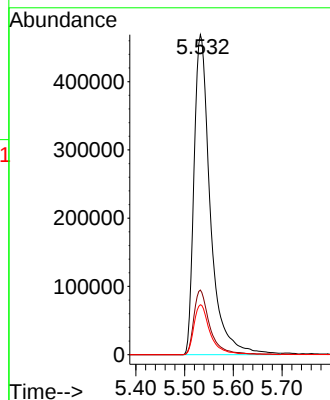
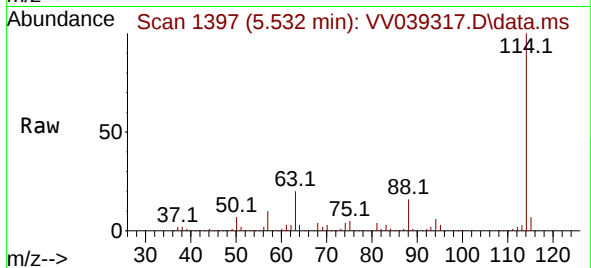
Tgt Ion:114 Resp: 1091584

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

88 15.6 0.0 31.6



#35

Dibromofluoromethane

Concen: 50.737 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VV039317.D

Acq: 04 Nov 2025 16:17

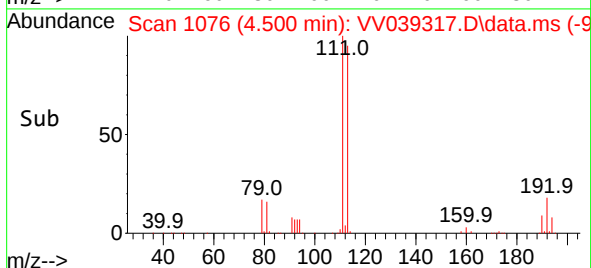
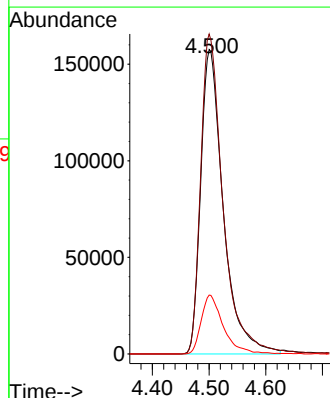
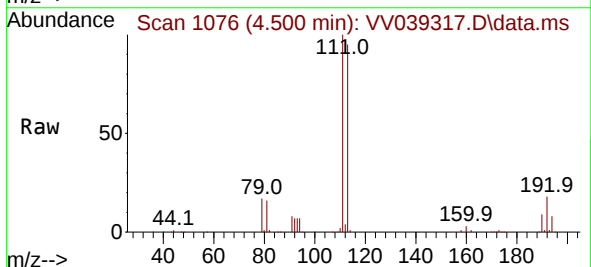
Tgt Ion:113 Resp: 436380

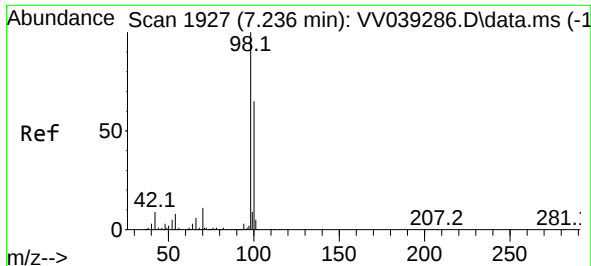
Ion Ratio Lower Upper

113 100

111 103.6 82.0 123.0

192 18.9 14.3 21.5

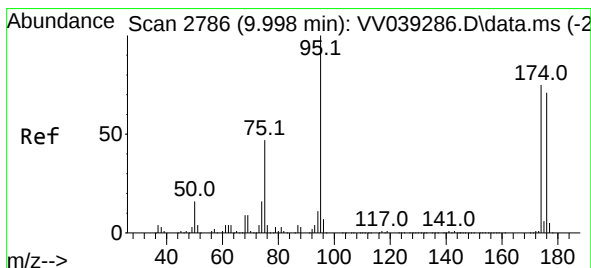
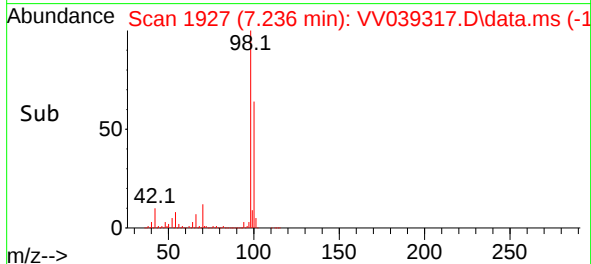
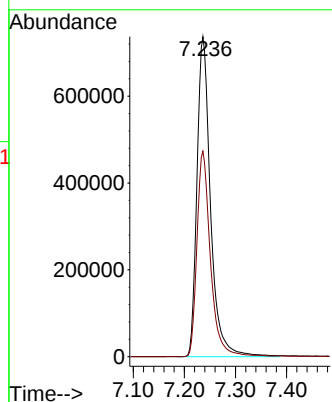
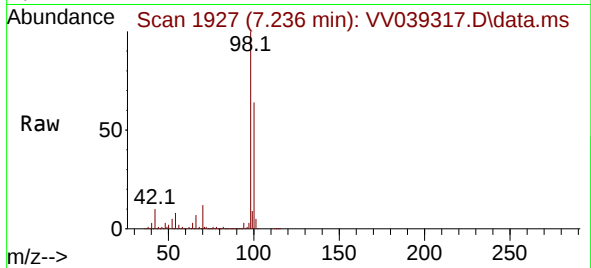




#50
Toluene-d8
Concen: 46.504 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV039317.D
Acq: 04 Nov 2025 16:17

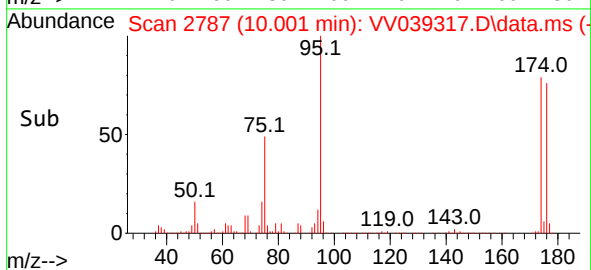
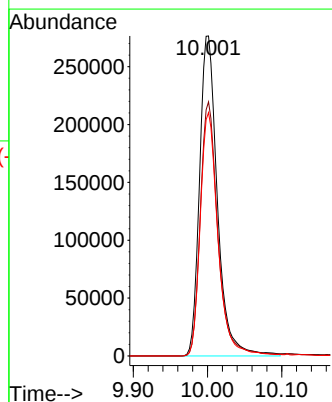
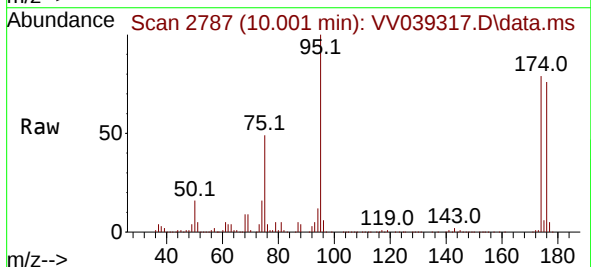
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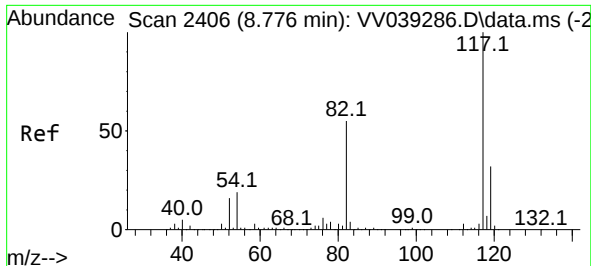
Tgt Ion: 98 Resp: 1360687
Ion Ratio Lower Upper
98 100
100 63.9 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 44.410 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039317.D
Acq: 04 Nov 2025 16:17

Tgt Ion: 95 Resp: 462779
Ion Ratio Lower Upper
95 100
174 78.4 0.0 153.6
176 75.6 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.773 min Scan# 2406

Delta R.T. -0.003 min

Lab File: VV039317.D

Acq: 04 Nov 2025 16:17

Instrument :

MSVOA_V

ClientSampleId :

EB-1

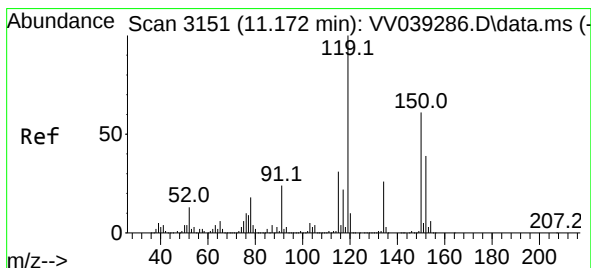
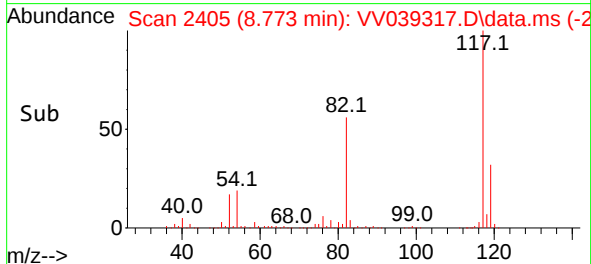
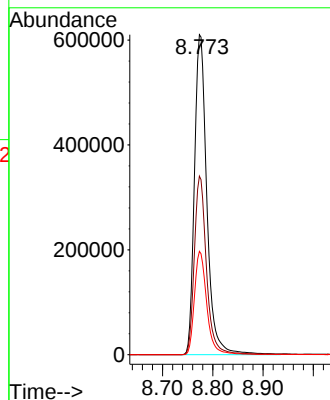
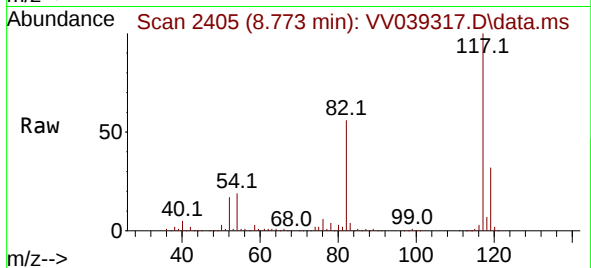
Tgt Ion:117 Resp: 1047699

Ion Ratio Lower Upper

117 100

82 55.8 43.8 65.8

119 32.3 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VV039317.D

Acq: 04 Nov 2025 16:17

Tgt Ion:152 Resp: 472586

Ion Ratio Lower Upper

152 100

115 61.1 42.3 126.8

150 156.2 0.0 348.0

