

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
 Data File : VW031977.D
 Acq On : 01 Aug 2025 11:56
 Operator : SY/MD
 Sample : Q2743-01
 Misc : 5.16g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC1

Quant Time: Aug 01 23:11:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	174433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	365996	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	361399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	177152	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	143395	54.342	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	108.680%
35) Dibromofluoromethane	7.904	113	125146	50.320	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	100.640%
50) Toluene-d8	10.325	98	454906	48.330	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	96.660%
62) 4-Bromofluorobenzene	12.617	95	164274	45.452	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	90.900%

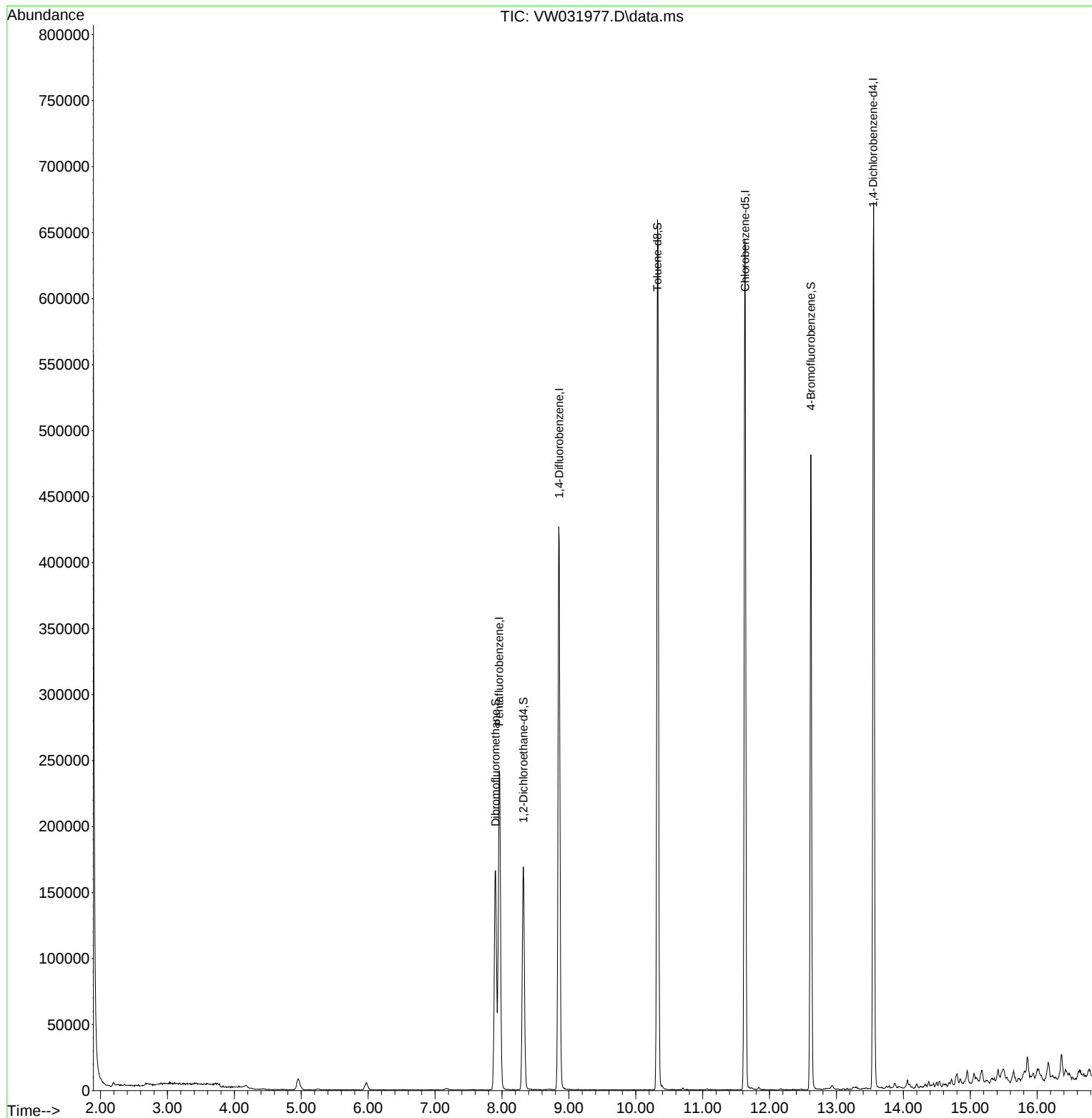
Target Compounds	Qvalue

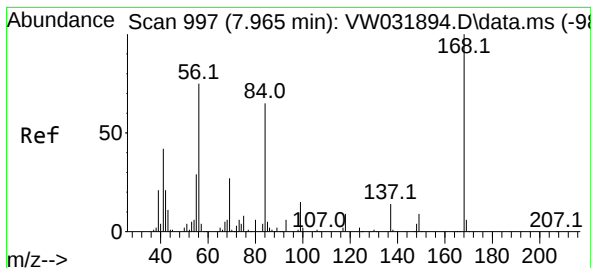
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.959 min Scan# 997

Delta R.T. -0.006 min

Lab File: VW031977.D

Acq: 01 Aug 2025 11:56

Instrument :

MSVOA_W

ClientSampleId :

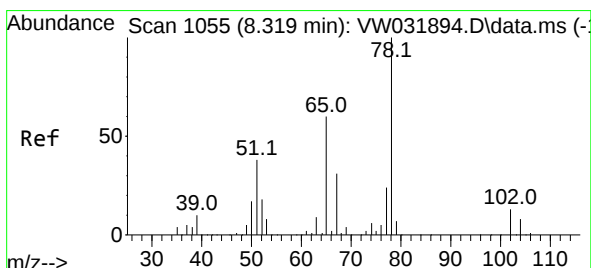
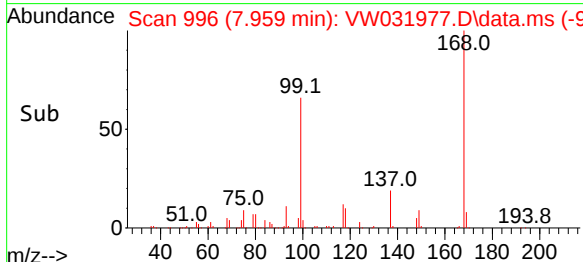
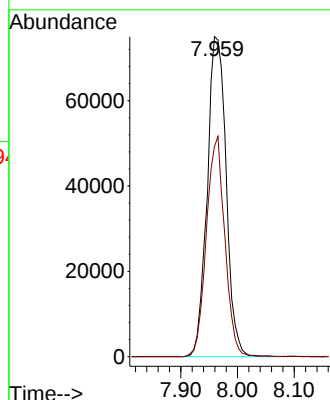
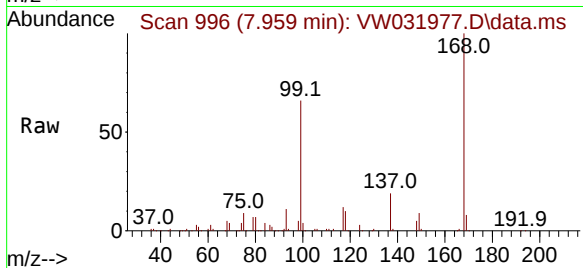
WC1

Tgt Ion:168 Resp: 174433

Ion Ratio Lower Upper

168 100

99 65.6 48.2 72.2



#33

1,2-Dichloroethane-d4

Concen: 54.342 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW031977.D

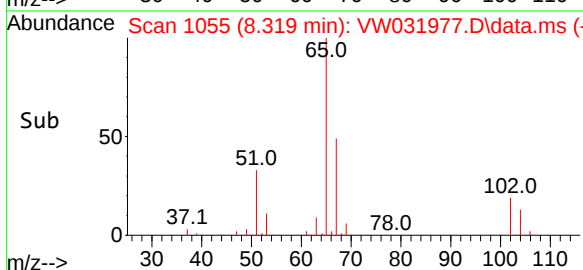
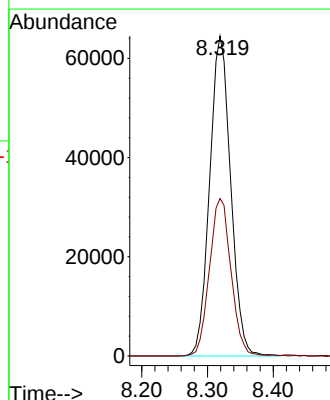
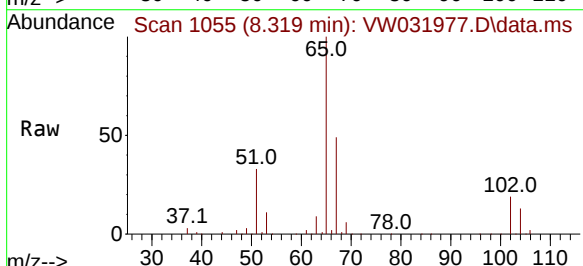
Acq: 01 Aug 2025 11:56

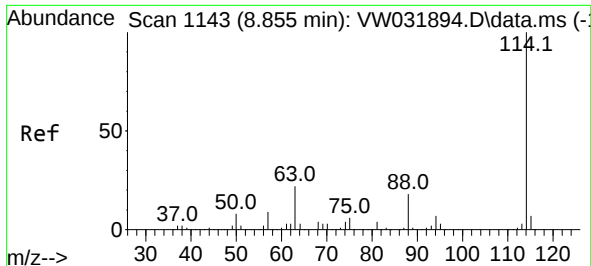
Tgt Ion: 65 Resp: 143395

Ion Ratio Lower Upper

65 100

67 50.5 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VW031977.D

Acq: 01 Aug 2025 11:56

Instrument :

MSVOA_W

ClientSampleId :

WC1

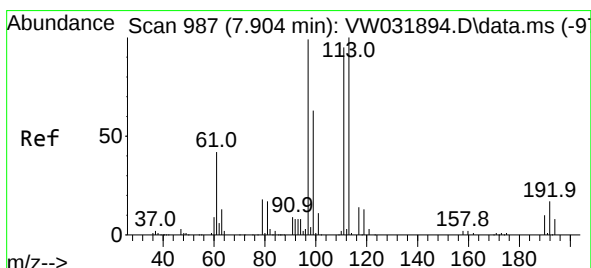
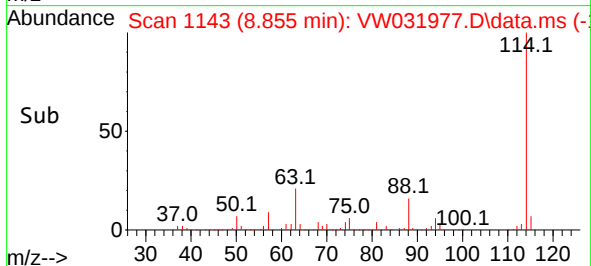
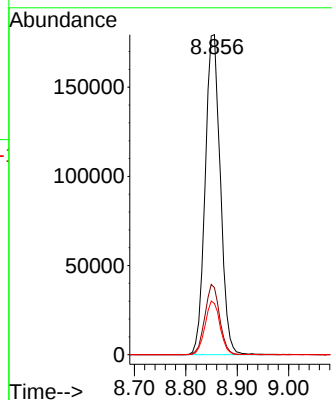
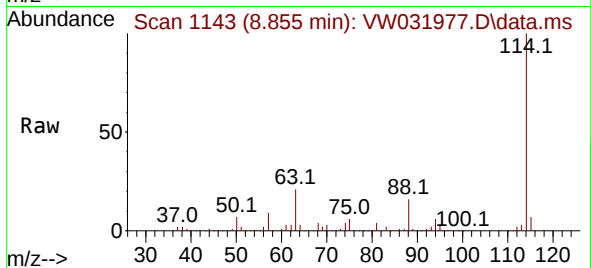
Tgt Ion:114 Resp: 365996

Ion Ratio Lower Upper

114 100

63 21.0 0.0 44.2

88 16.0 0.0 35.6



#35

Dibromofluoromethane

Concen: 50.320 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW031977.D

Acq: 01 Aug 2025 11:56

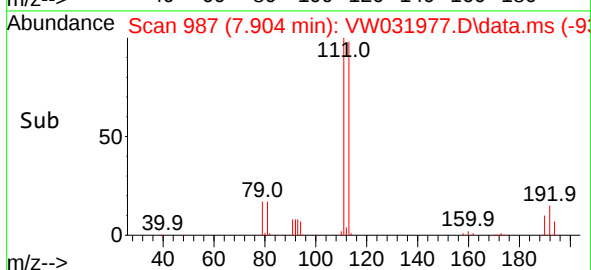
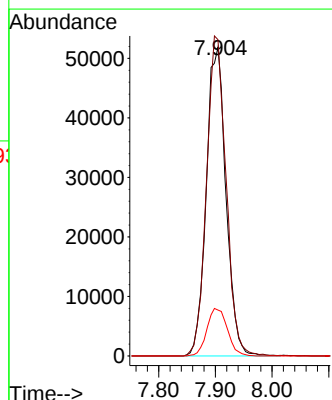
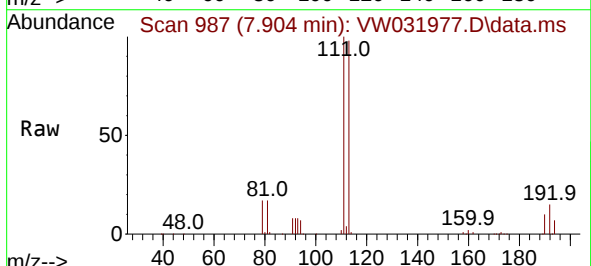
Tgt Ion:113 Resp: 125146

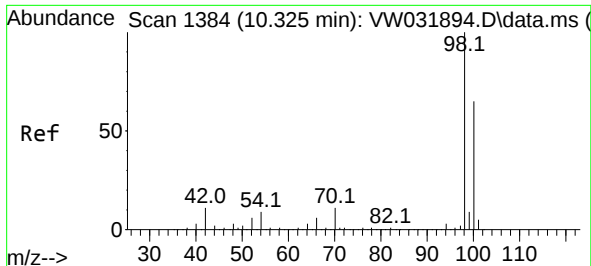
Ion Ratio Lower Upper

113 100

111 102.8 79.9 119.9

192 16.0 12.6 19.0

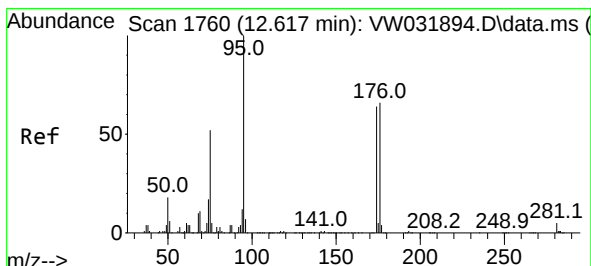
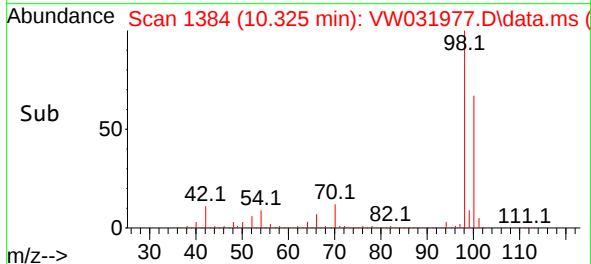
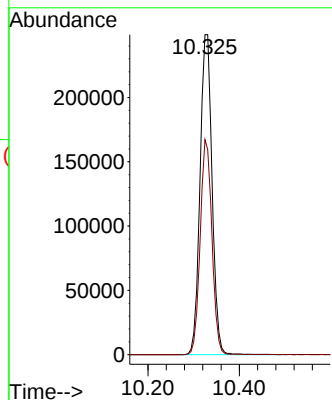
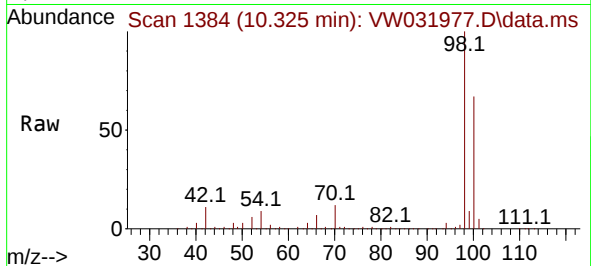




#50
Toluene-d8
Concen: 48.330 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031977.D
Acq: 01 Aug 2025 11:56

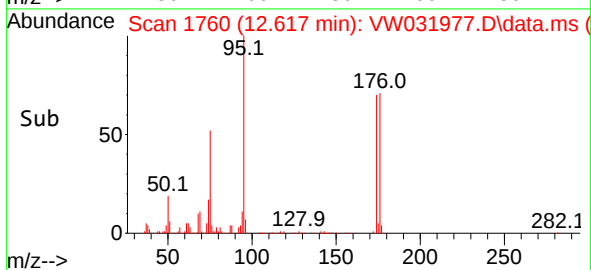
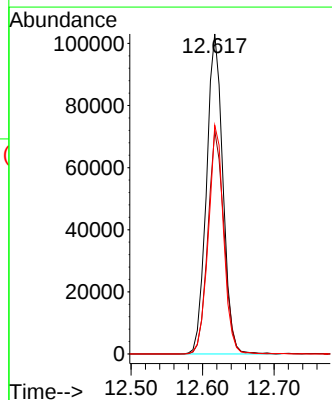
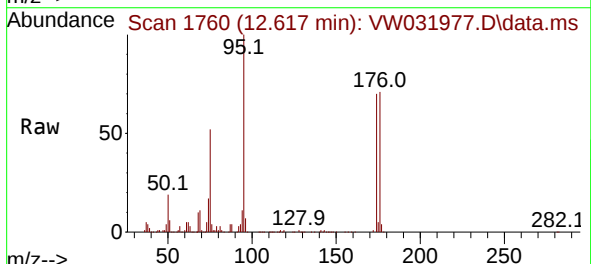
Instrument :
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WC1

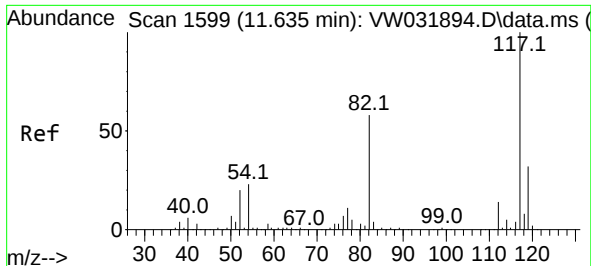
Tgt Ion: 98 Resp: 454906
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 45.452 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031977.D
Acq: 01 Aug 2025 11:56

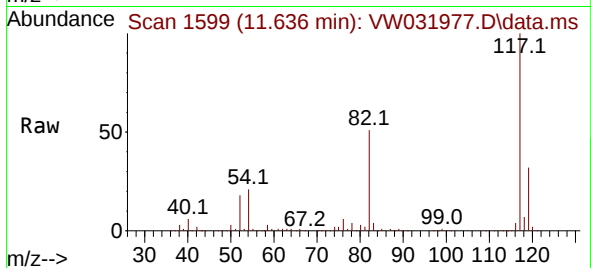
Tgt Ion: 95 Resp: 164274
Ion Ratio Lower Upper
95 100
174 68.5 0.0 129.8
176 66.5 0.0 130.4



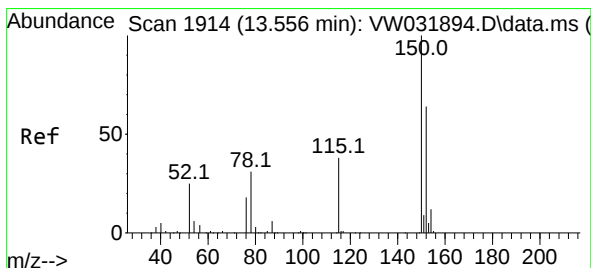
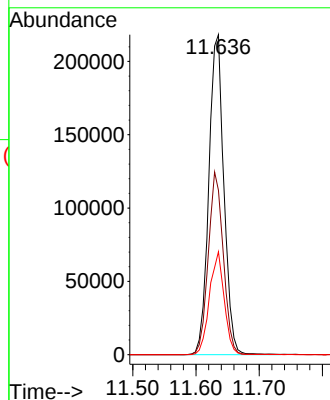
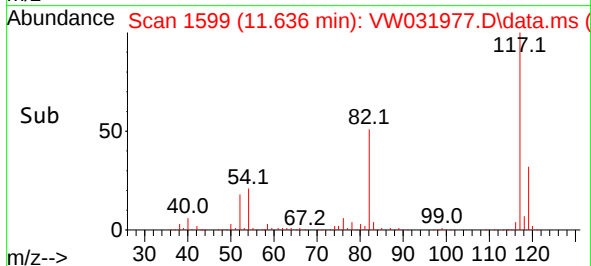


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031977.D
Acq: 01 Aug 2025 11:56

Instrument :
MSVOA_W
ClientSampleId :
WC1



Tgt Ion:117 Resp: 361399
Ion Ratio Lower Upper
117 100
82 51.4 46.5 69.7
119 32.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.550 min Scan# 1913
Delta R.T. -0.006 min
Lab File: VW031977.D
Acq: 01 Aug 2025 11:56

Tgt Ion:152 Resp: 177152
Ion Ratio Lower Upper
152 100
115 64.5 33.4 100.1
150 156.3 0.0 352.2

