

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031795.D
 Acq On : 10 Jul 2025 12:19
 Operator : SY/MD
 Sample : Q2480-03RE
 Misc : 6.78g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GPX3RE

Quant Time: Jul 11 02:18:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	62804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	119782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	95395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	38547	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	35039	38.876	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	77.760%
35) Dibromofluoromethane	7.898	113	29482	37.719	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	75.440%
50) Toluene-d8	10.325	98	104494	35.924	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	71.840%#
62) 4-Bromofluorobenzene	12.617	95	34441	32.175	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	64.360%

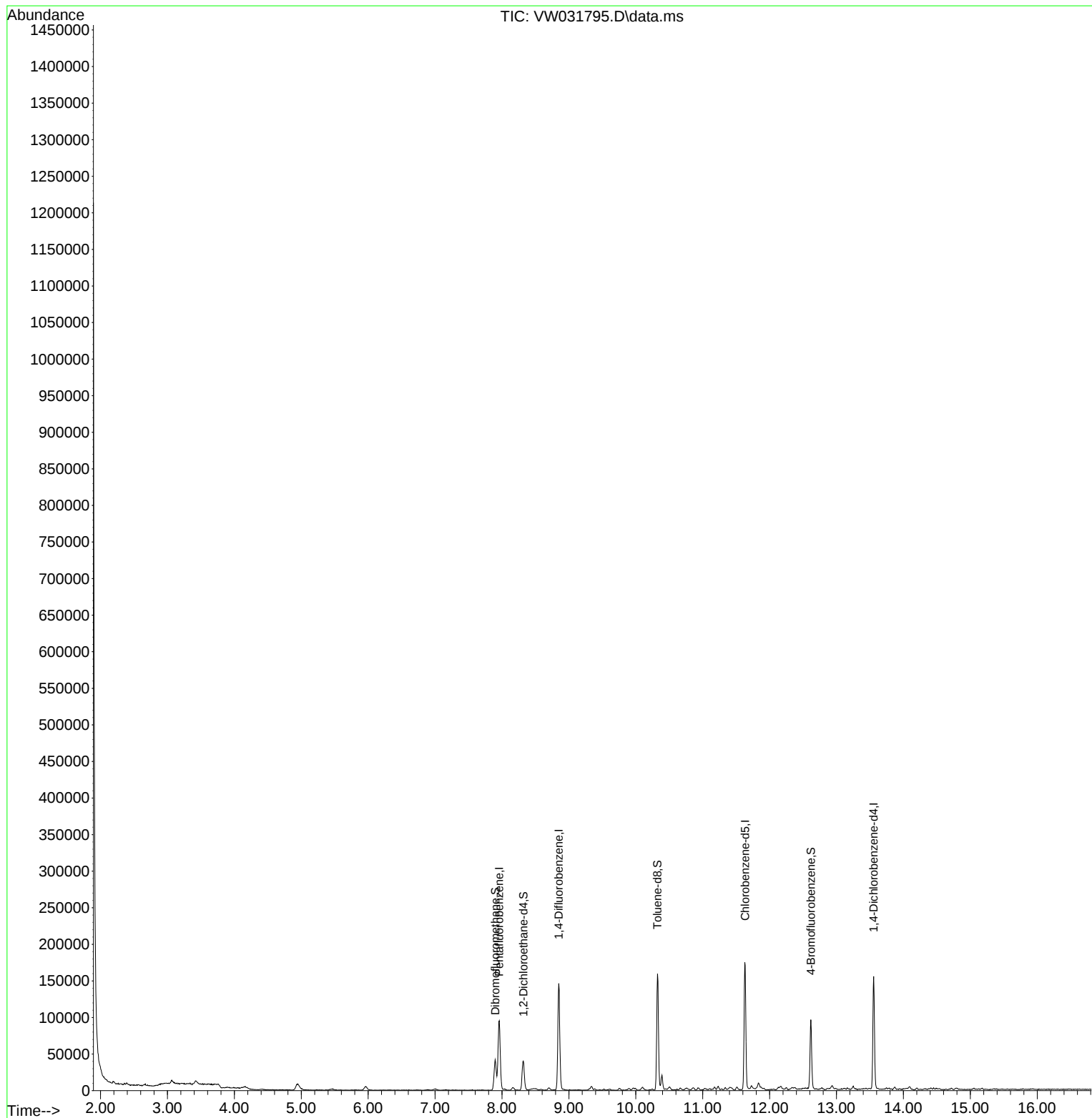
Target Compounds	Qvalue

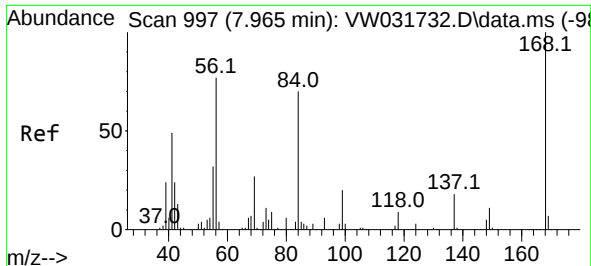
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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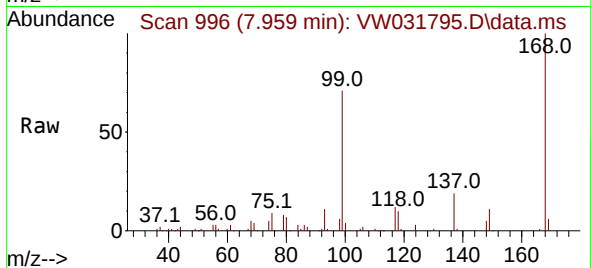
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
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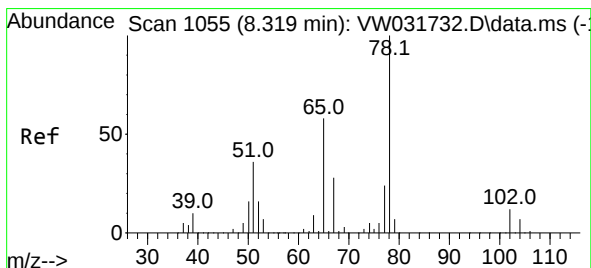
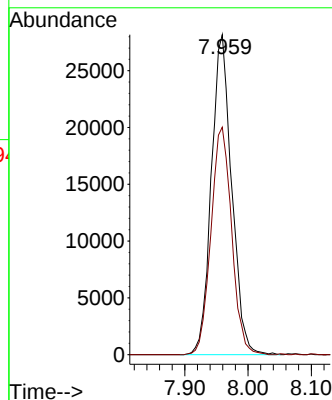
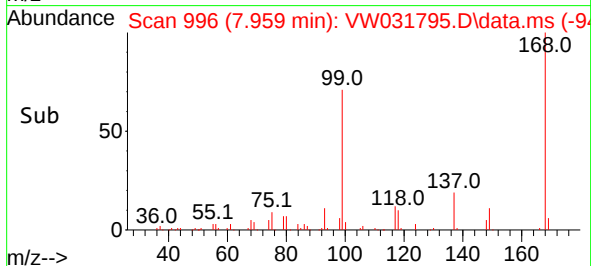


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

Instrument :
MSVOA_W
ClientSampleId :
GPX3RE

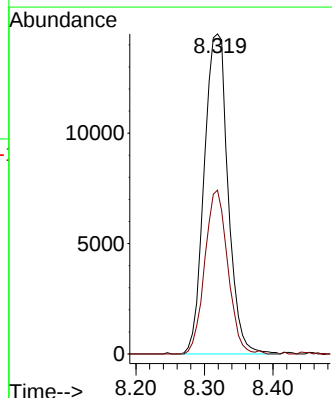
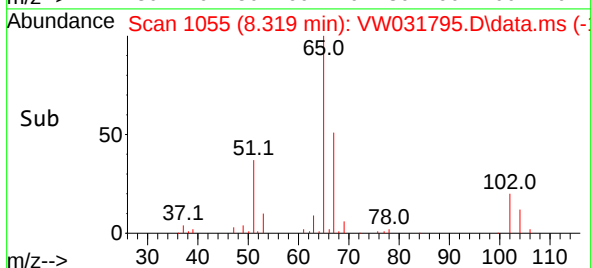
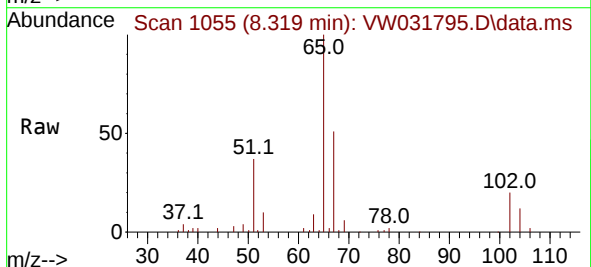


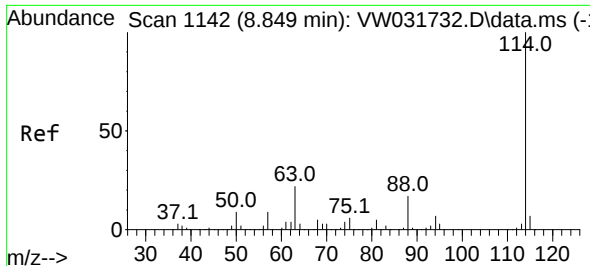
Tgt Ion:168 Resp: 62804
Ion Ratio Lower Upper
168 100
99 71.1 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 38.876 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

Tgt Ion: 65 Resp: 35039
Ion Ratio Lower Upper
65 100
67 49.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW031795.D

Acq: 10 Jul 2025 12:19

Instrument :

MSVOA_W

ClientSampleId :

GPX3RE

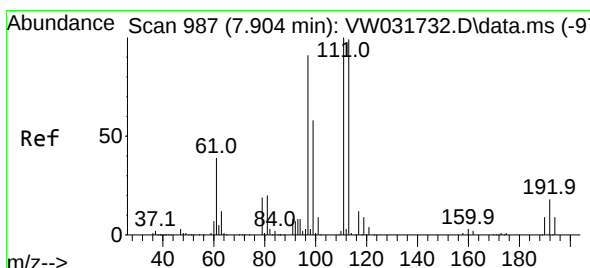
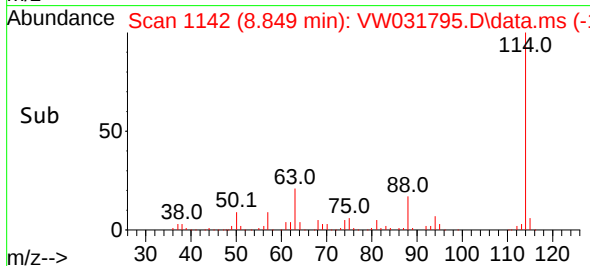
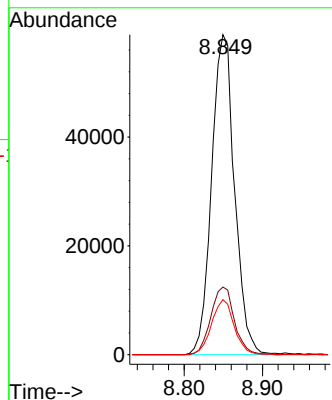
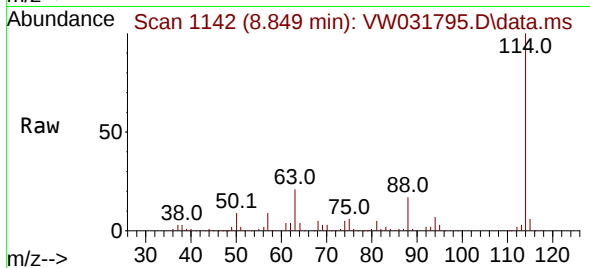
Tgt Ion:114 Resp: 119782

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.6

88 17.2 0.0 34.2



#35

Dibromofluoromethane

Concen: 37.719 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031795.D

Acq: 10 Jul 2025 12:19

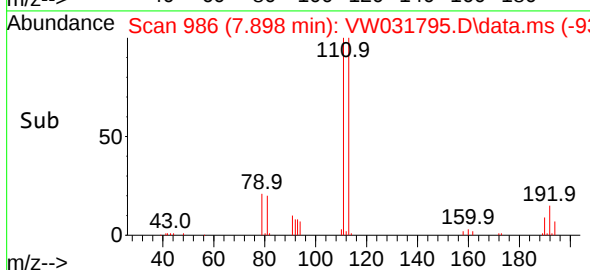
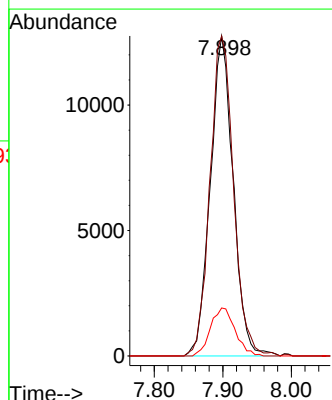
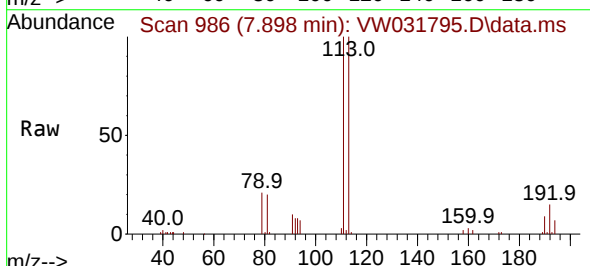
Tgt Ion:113 Resp: 29482

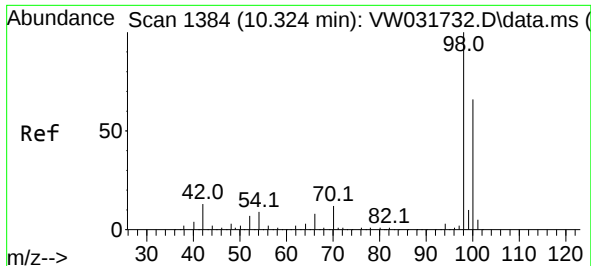
Ion Ratio Lower Upper

113 100

111 102.8 82.1 123.1

192 16.2 13.8 20.6

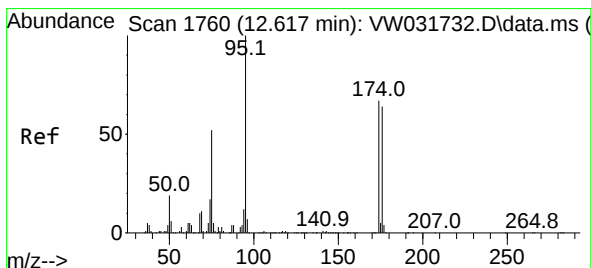
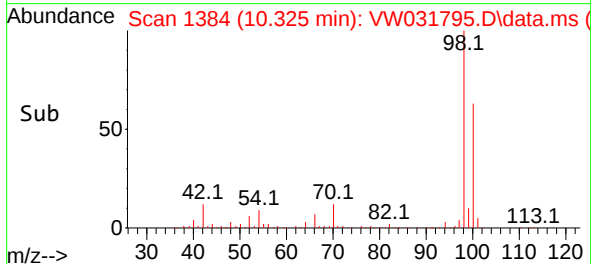
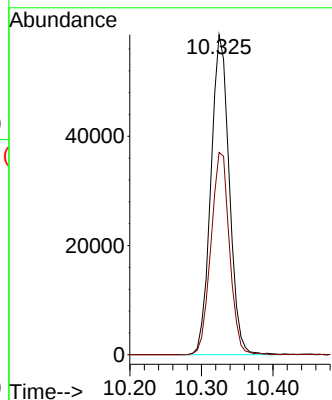
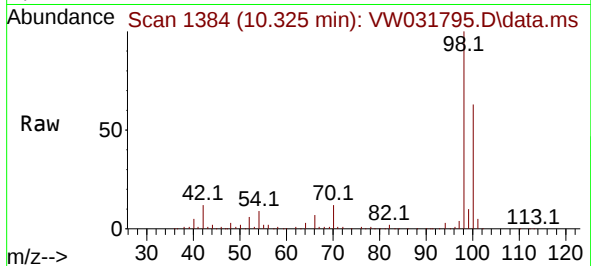




#50
Toluene-d8
Concen: 35.924 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

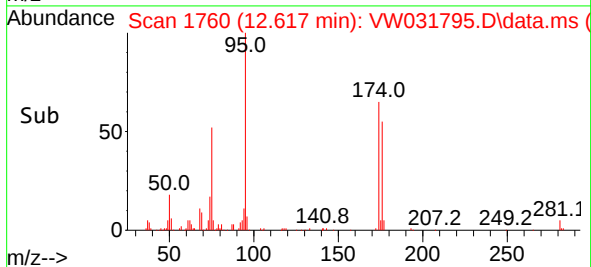
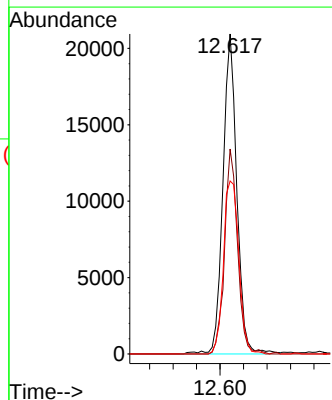
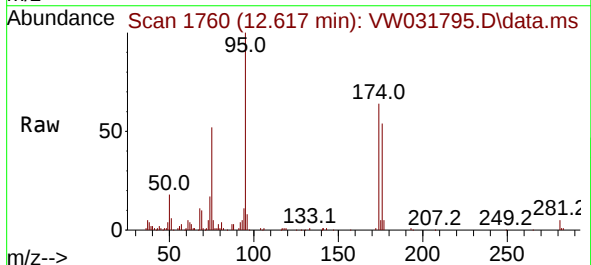
Instrument :
MSVOA_W
ClientSampleId :
GPX3RE

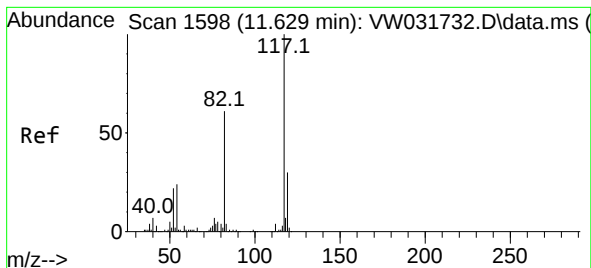
Tgt Ion: 98 Resp: 104494
Ion Ratio Lower Upper
98 100
100 63.9 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 32.175 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031795.D
Acq: 10 Jul 2025 12:19

Tgt Ion: 95 Resp: 34441
Ion Ratio Lower Upper
95 100
174 59.7 0.0 133.8
176 59.9 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW031795.D

Acq: 10 Jul 2025 12:19

Instrument :

MSVOA_W

ClientSampleId :

GPX3RE

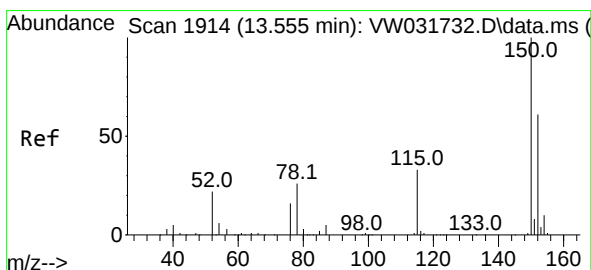
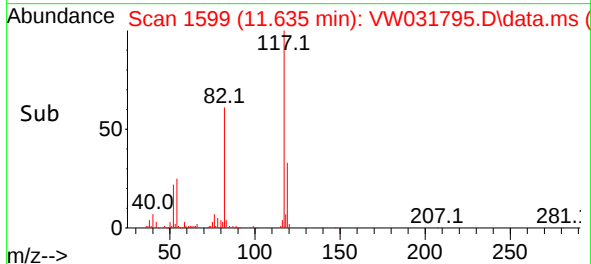
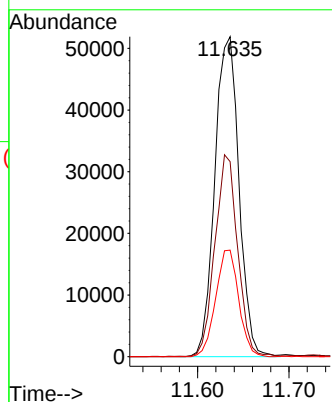
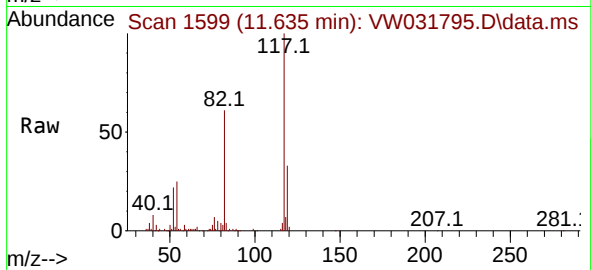
Tgt Ion:117 Resp: 95395

Ion Ratio Lower Upper

117 100

82 60.8 48.6 72.8

119 33.3 23.9 35.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW031795.D

Acq: 10 Jul 2025 12:19

Tgt Ion:152 Resp: 38547

Ion Ratio Lower Upper

152 100

115 66.0 31.9 95.7

150 154.4 0.0 356.4

