

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082125\
 Data File : VR026751.D
 Acq On : 21 Aug 2025 11:04
 Operator : SY/MD
 Sample : VR0821WBL01
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VR0821WBL01

Quant Time: Aug 22 06:52:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R082025W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 06:50:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.385	168	1720020	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.389	114	2941265	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.563	117	2096274	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.761	152	607406	50.000	ug/l	0.00

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.770	65	1013116	46.903	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.800%
34) Dibromofluoromethane	7.292	113	841407	43.861	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.720%
49) Toluene-d8	10.074	98	3276596	50.950	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.900%
61) 4-Bromofluorobenzene	12.692	95	782025	42.857	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	85.720%

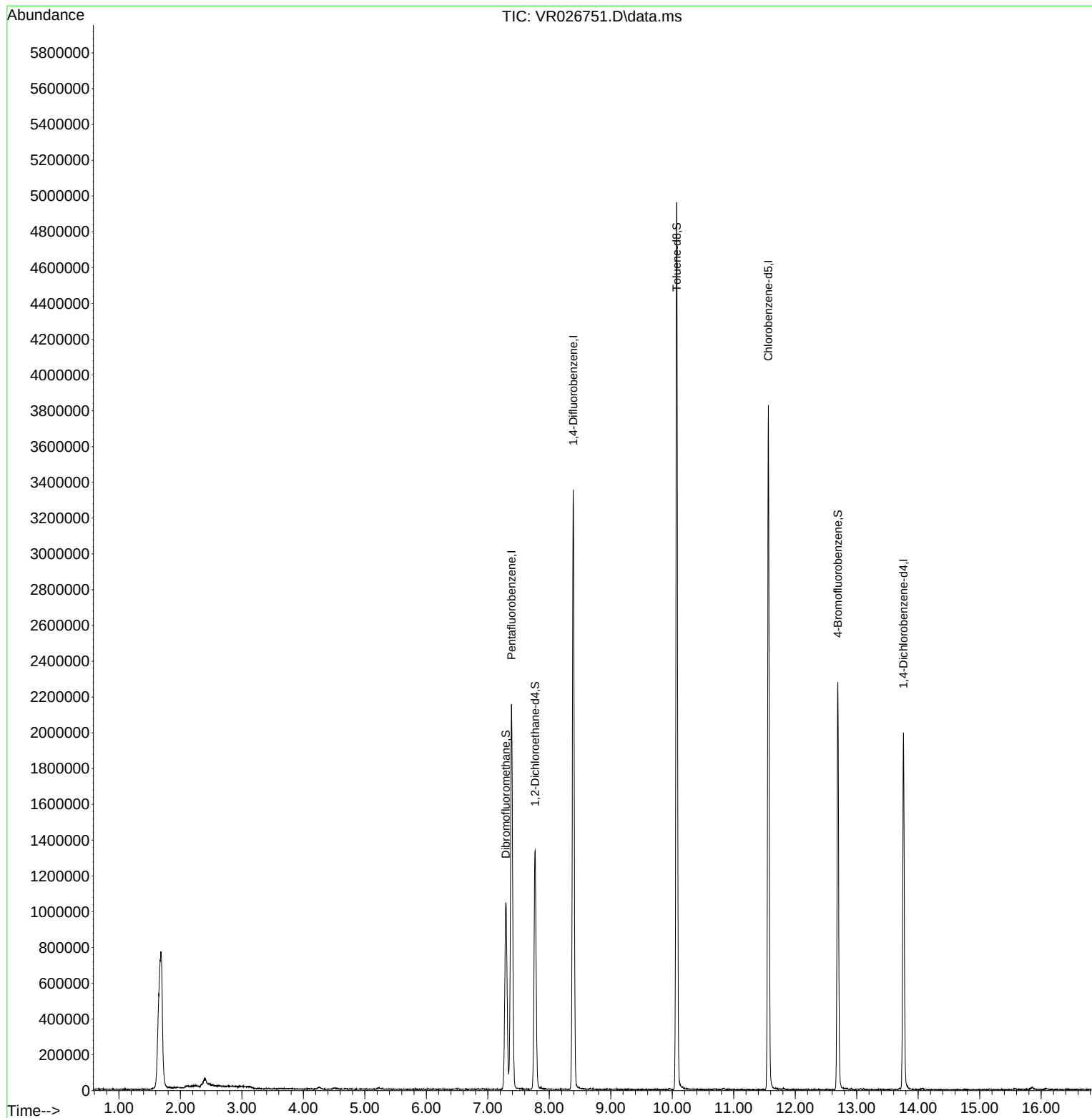
Target Compounds	Qvalue

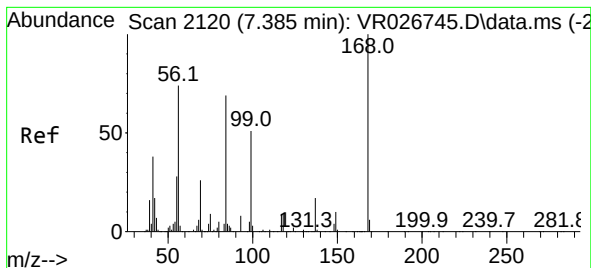
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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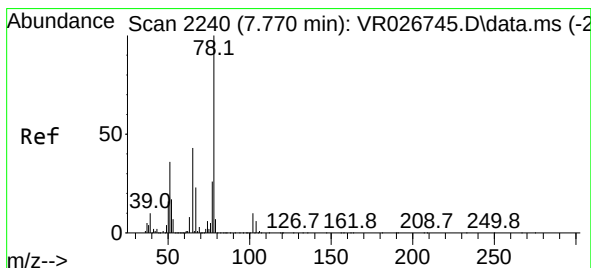
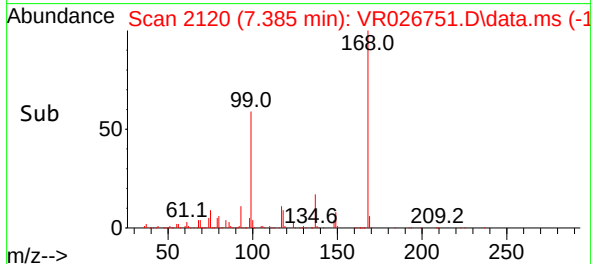
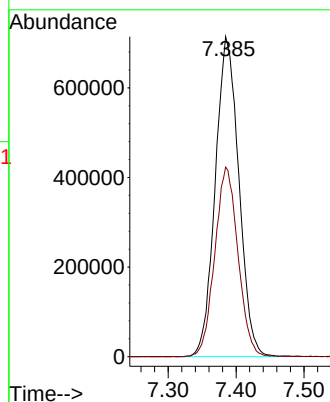
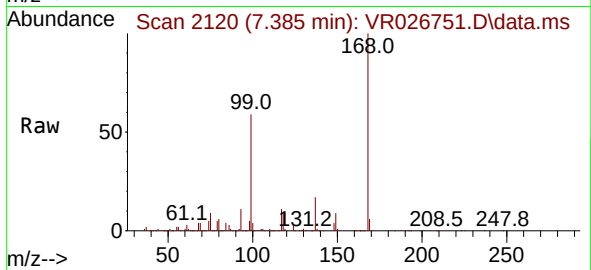




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.385 min Scan# 2120
Delta R.T. -0.000 min
Lab File: VR026751.D
Acq: 21 Aug 2025 11:04

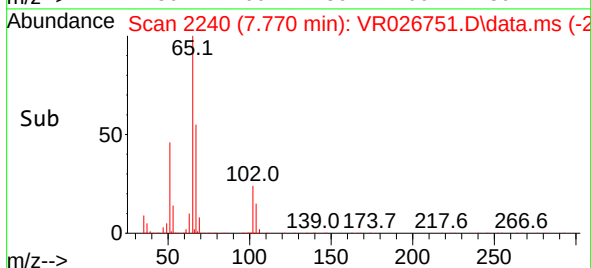
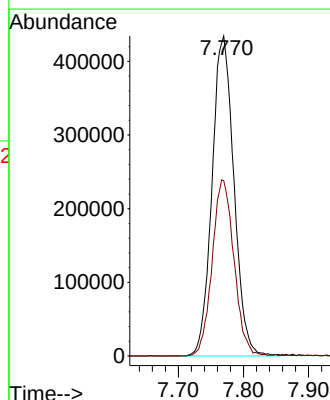
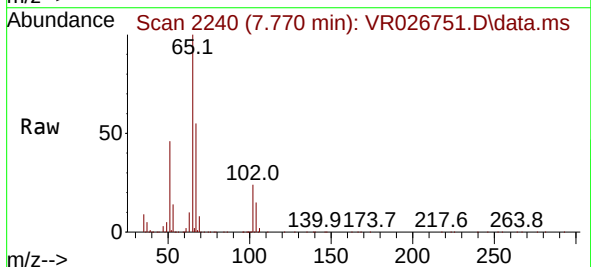
Instrument :
MSVOA_R
ClientSampleId :
VR0821WBL01

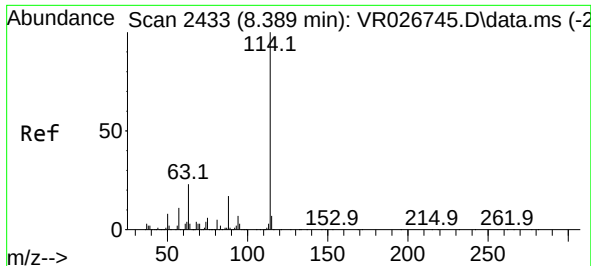
Tgt Ion:168 Resp: 1720020
Ion Ratio Lower Upper
168 100
99 59.2 47.1 70.7



#32
1,2-Dichloroethane-d4
Concen: 46.903 ug/l
RT: 7.770 min Scan# 2240
Delta R.T. 0.000 min
Lab File: VR026751.D
Acq: 21 Aug 2025 11:04

Tgt Ion: 65 Resp: 1013116
Ion Ratio Lower Upper
65 100
67 54.8 0.0 111.4





#33

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.389 min Scan# 2433

Delta R.T. 0.000 min

Lab File: VR026751.D

Acq: 21 Aug 2025 11:04

Instrument :

MSVOA_R

ClientSampleId :

VR0821WBL01

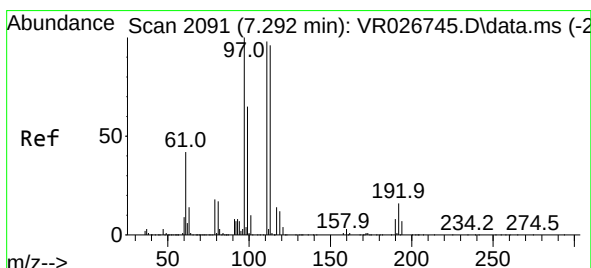
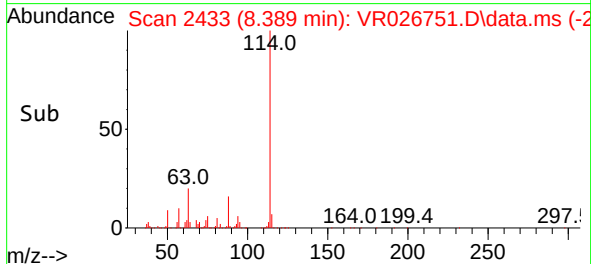
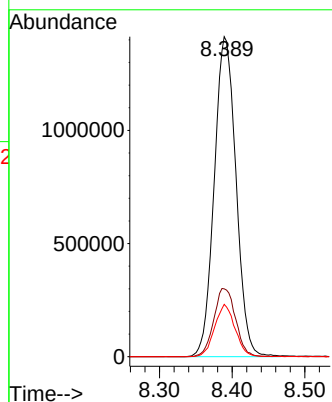
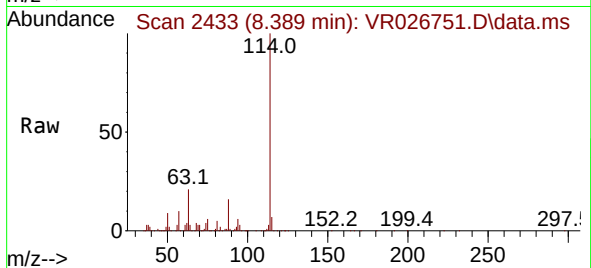
Tgt Ion:114 Resp: 2941265

Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.8

88 16.4 0.0 34.8



#34

Dibromofluoromethane

Concen: 43.861 ug/l

RT: 7.292 min Scan# 2091

Delta R.T. 0.000 min

Lab File: VR026751.D

Acq: 21 Aug 2025 11:04

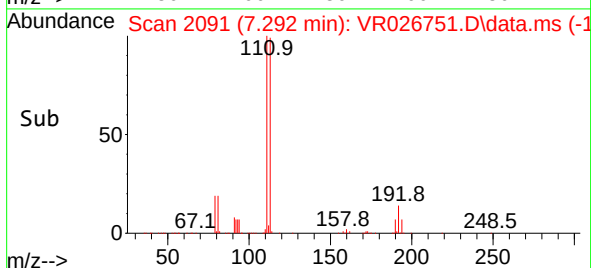
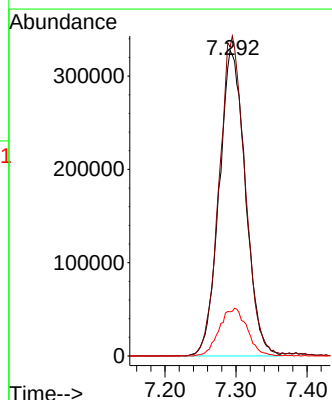
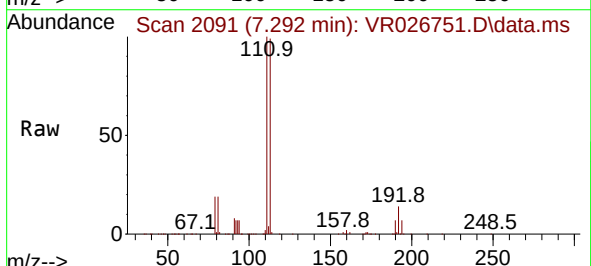
Tgt Ion:113 Resp: 841407

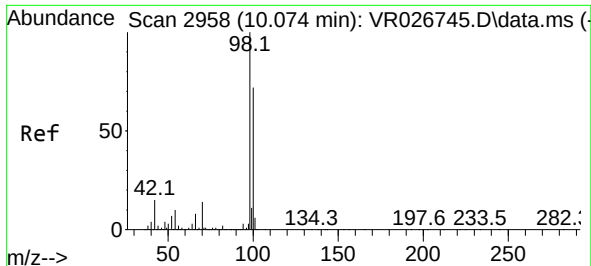
Ion Ratio Lower Upper

113 100

111 103.6 82.8 124.2

192 16.5 12.9 19.3

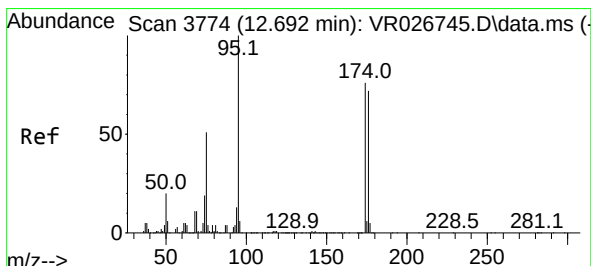
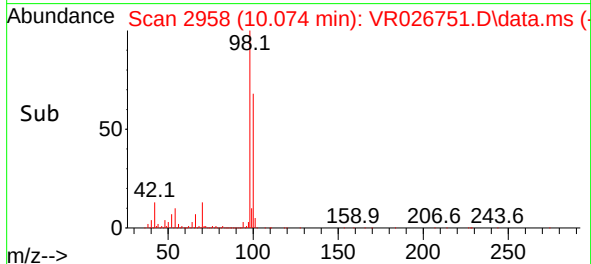
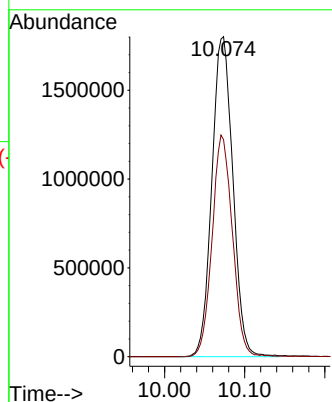
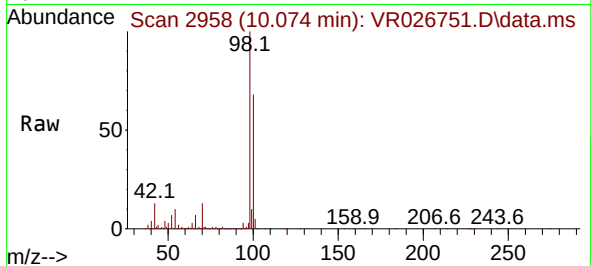




#49
Toluene-d8
Concen: 50.950 ug/l
RT: 10.074 min Scan# 2958
Delta R.T. -0.000 min
Lab File: VR026751.D
Acq: 21 Aug 2025 11:04

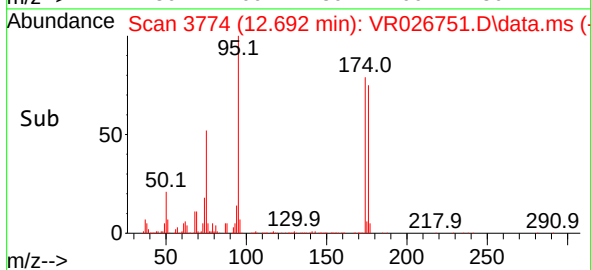
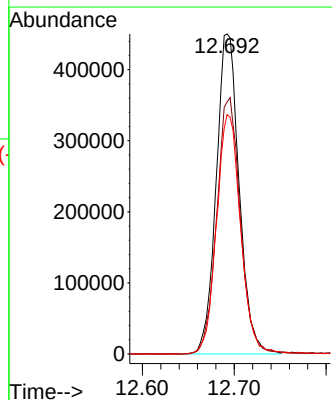
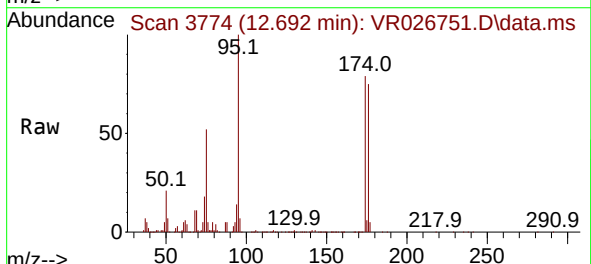
Instrument :
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VR0821WBL01

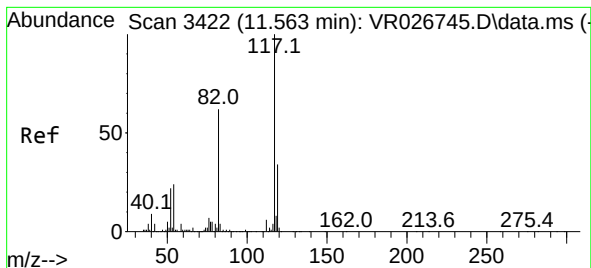
Tgt Ion: 98 Resp: 3276596
Ion Ratio Lower Upper
98 100
100 66.9 55.7 83.5



#61
4-Bromofluorobenzene
Concen: 42.857 ug/l
RT: 12.692 min Scan# 3774
Delta R.T. 0.000 min
Lab File: VR026751.D
Acq: 21 Aug 2025 11:04

Tgt Ion: 95 Resp: 782025
Ion Ratio Lower Upper
95 100
174 82.2 0.0 156.6
176 78.3 0.0 150.2





#62

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.563 min Scan# 34

Delta R.T. -0.000 min

Lab File: VR026751.D

Acq: 21 Aug 2025 11:04

Instrument :

MSVOA_R

ClientSampleId :

VR0821WBL01

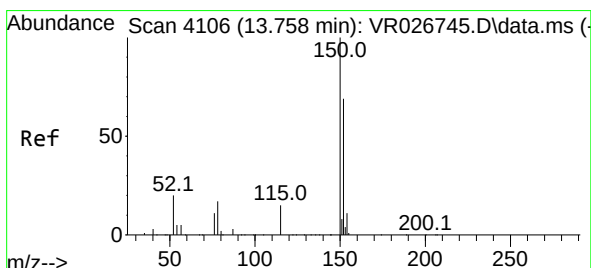
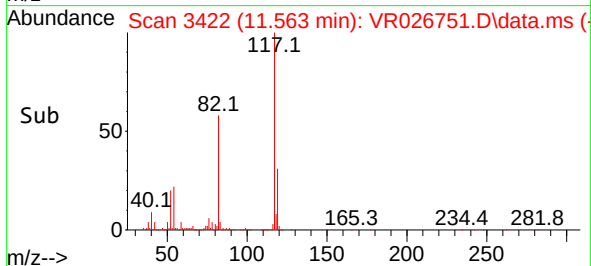
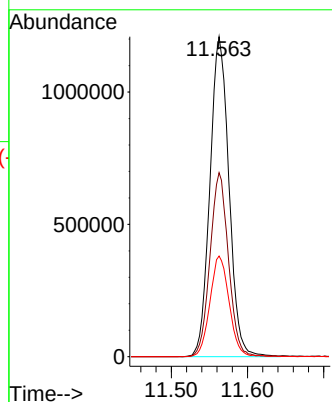
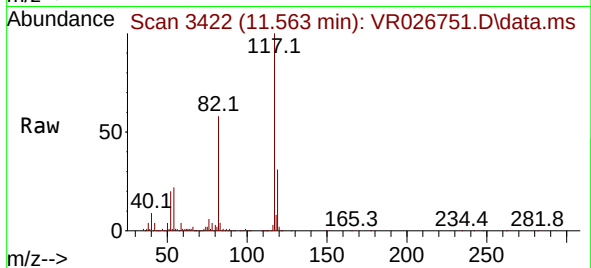
Tgt Ion:117 Resp: 2096274

Ion Ratio Lower Upper

117 100

82 57.5 49.9 74.9

119 31.5 27.4 41.2



#71

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.761 min Scan# 4107

Delta R.T. 0.003 min

Lab File: VR026751.D

Acq: 21 Aug 2025 11:04

Tgt Ion:152 Resp: 607406

Ion Ratio Lower Upper

152 100

115 54.2 28.5 85.5

150 158.1 0.0 352.0

