

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080525\
 Data File : VR026706.D
 Acq On : 5 Aug 2025 11:14
 Operator : SY/MD
 Sample : VR0805WBL03
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VR0805WBL03

Quant Time: Aug 06 01:20:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R080425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 05 02:27:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.295	168	469502	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.319	114	848905	50.000	ug/l	-0.01
62) Chlorobenzene-d5	11.531	117	647333	50.000	ug/l	-0.01
71) 1,4-Dichlorobenzene-d4	13.735	152	293025	50.000	ug/l	-0.01

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.683	65	285639	48.068	ug/l	-0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.140%
34) Dibromofluoromethane	7.192	113	230439	43.889	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.780%
49) Toluene-d8	10.029	98	926491	49.253	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.500%
61) 4-Bromofluorobenzene	12.667	95	239477	44.760	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	89.520%

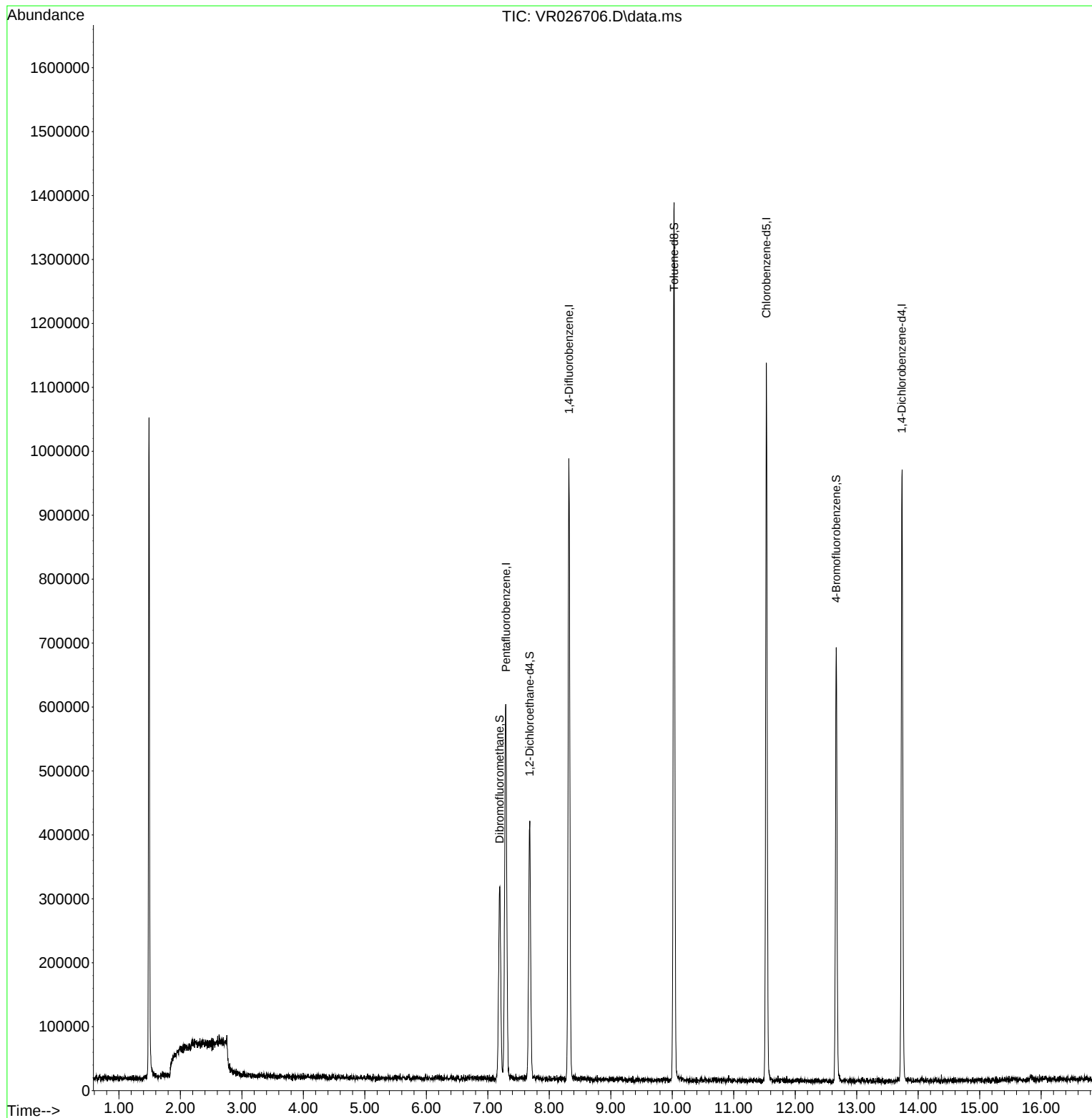
Target Compounds	Qvalue

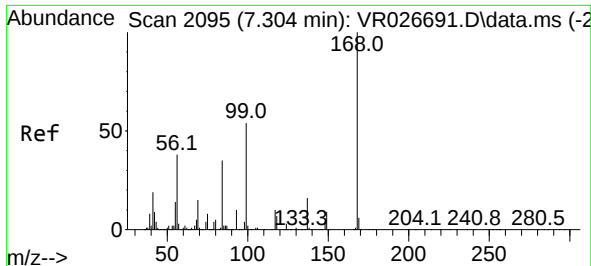
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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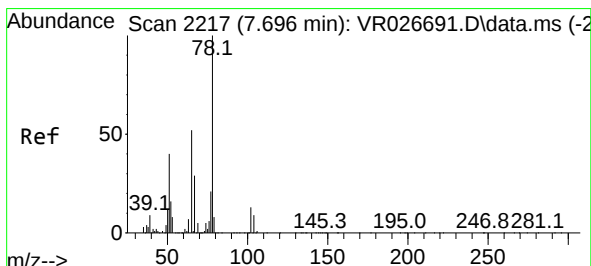
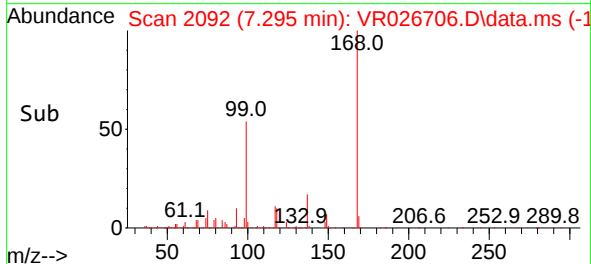
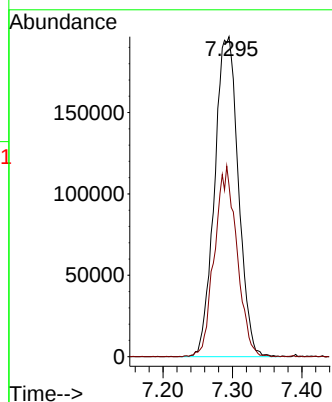
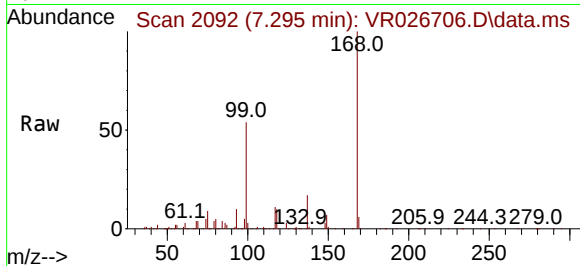




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.295 min Scan# 2095
Delta R.T. -0.009 min
Lab File: VR026706.D
Acq: 5 Aug 2025 11:14

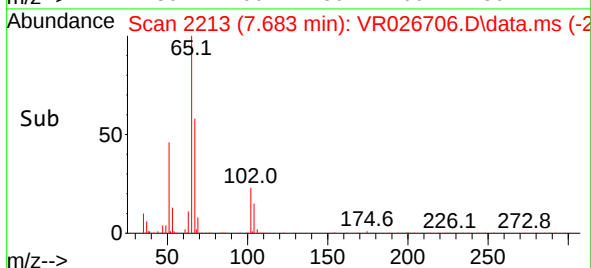
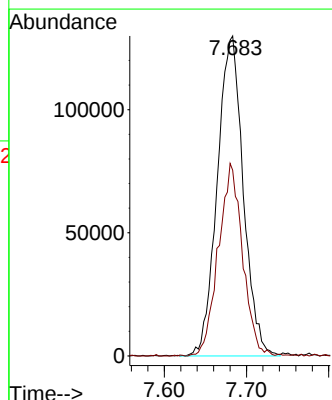
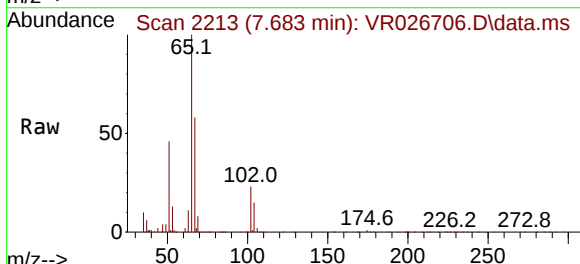
Instrument :
MSVOA_R
ClientSampleId :
VR0805WBL03

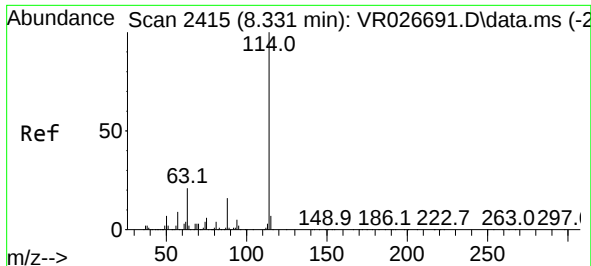
Tgt Ion:168 Resp: 469502
Ion Ratio Lower Upper
168 100
99 53.6 43.8 65.8



#32
1,2-Dichloroethane-d4
Concen: 48.068 ug/l
RT: 7.683 min Scan# 2213
Delta R.T. -0.013 min
Lab File: VR026706.D
Acq: 5 Aug 2025 11:14

Tgt Ion: 65 Resp: 285639
Ion Ratio Lower Upper
65 100
67 56.0 0.0 118.4





#33

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.319 min Scan# 2415

Delta R.T. -0.013 min

Lab File: VR026706.D

Acq: 5 Aug 2025 11:14

Instrument :

MSVOA_R

ClientSampleId :

VR0805WBL03

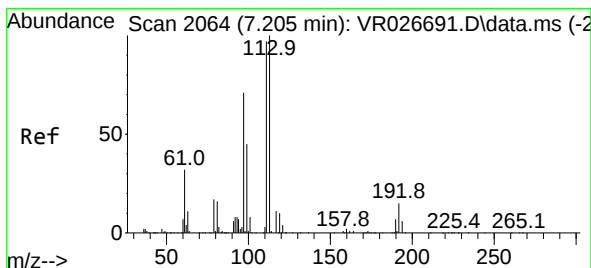
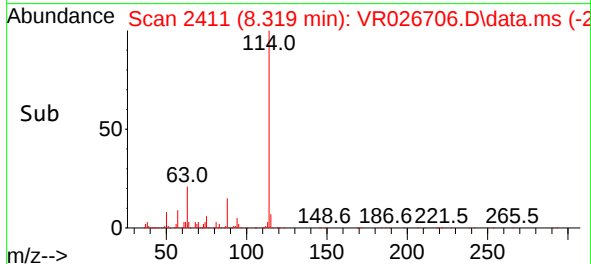
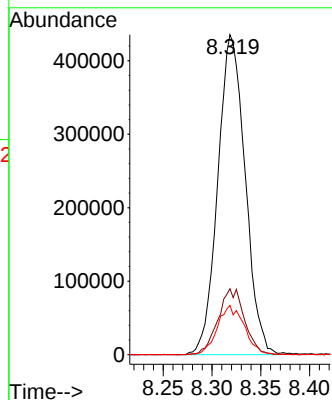
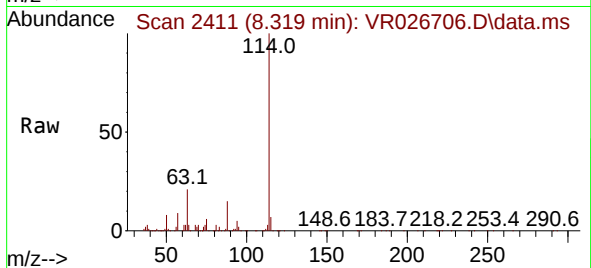
Tgt Ion:114 Resp: 848905

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.6

88 15.4 0.0 32.6



#34

Dibromofluoromethane

Concen: 43.889 ug/l

RT: 7.192 min Scan# 2060

Delta R.T. -0.013 min

Lab File: VR026706.D

Acq: 5 Aug 2025 11:14

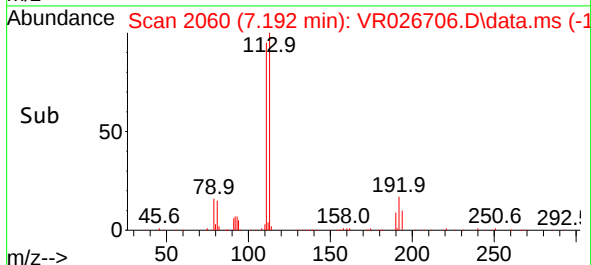
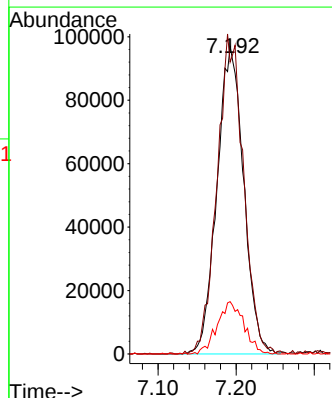
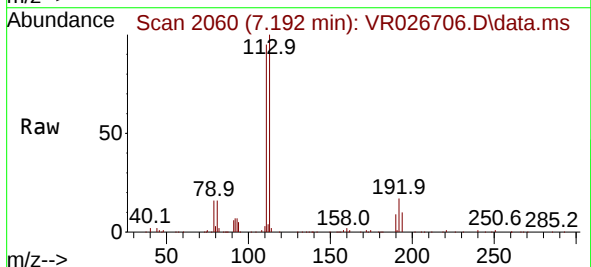
Tgt Ion:113 Resp: 230439

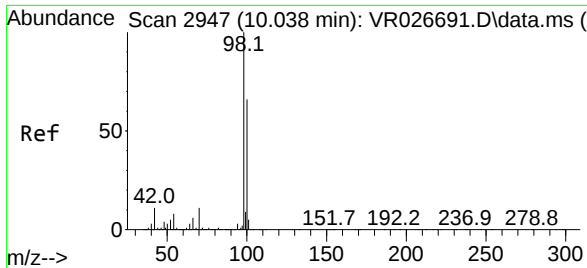
Ion Ratio Lower Upper

113 100

111 102.8 81.7 122.5

192 17.0 12.3 18.5

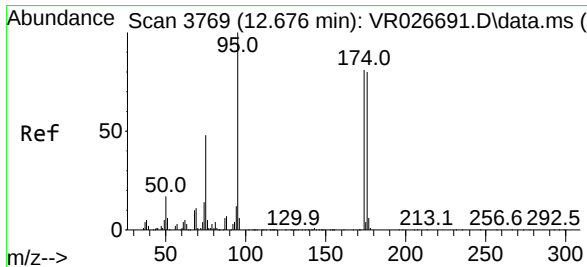
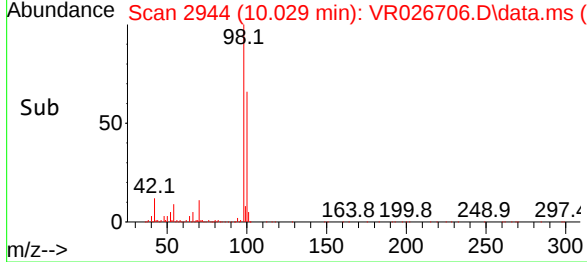
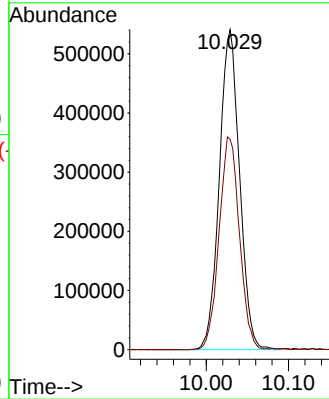
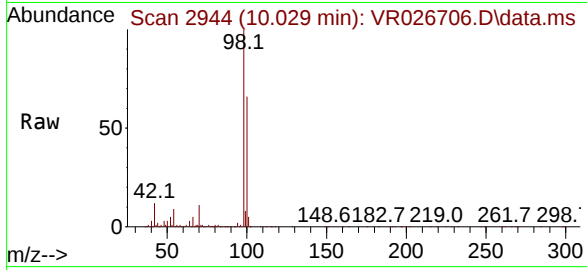




#49
Toluene-d8
Concen: 49.253 ug/l
RT: 10.029 min Scan# 2944
Delta R.T. -0.010 min
Lab File: VR026706.D
Acq: 5 Aug 2025 11:14

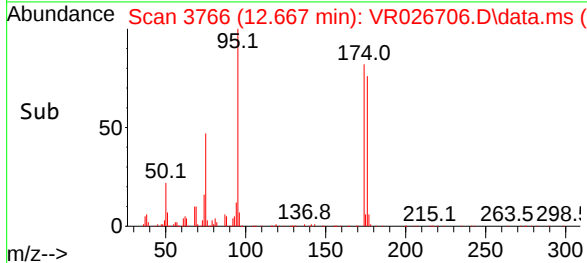
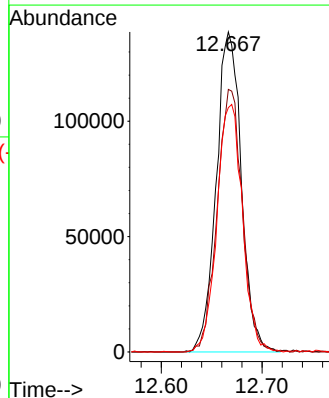
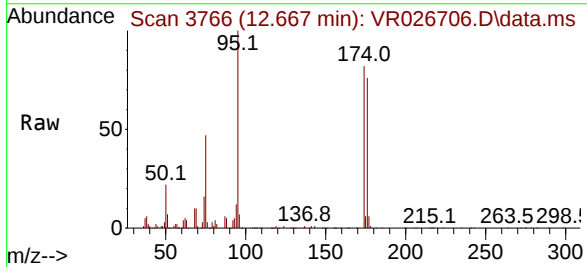
Instrument :
MSVOA_R
ClientSampleId :
VR0805WBL03

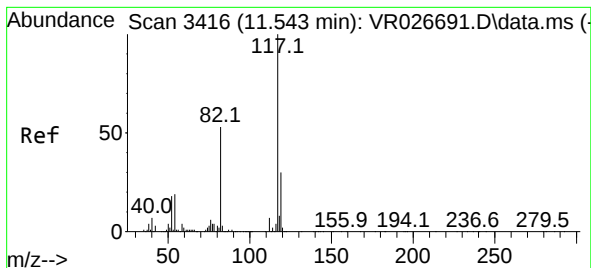
Tgt Ion: 98 Resp: 926491
Ion Ratio Lower Upper
98 100
100 66.8 53.9 80.9



#61
4-Bromofluorobenzene
Concen: 44.760 ug/l
RT: 12.667 min Scan# 3766
Delta R.T. -0.010 min
Lab File: VR026706.D
Acq: 5 Aug 2025 11:14

Tgt Ion: 95 Resp: 239477
Ion Ratio Lower Upper
95 100
174 83.0 0.0 158.4
176 78.8 0.0 149.0





#62

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.531 min Scan# 3416

Delta R.T. -0.013 min

Lab File: VR026706.D

Acq: 5 Aug 2025 11:14

Instrument :

MSVOA_R

ClientSampleId :

VR0805WBL03

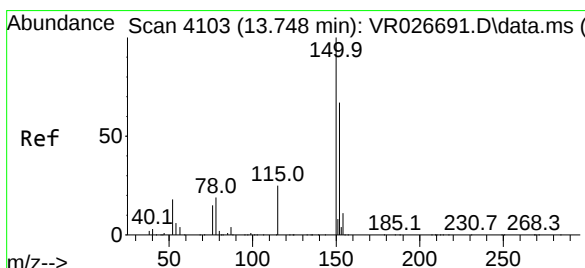
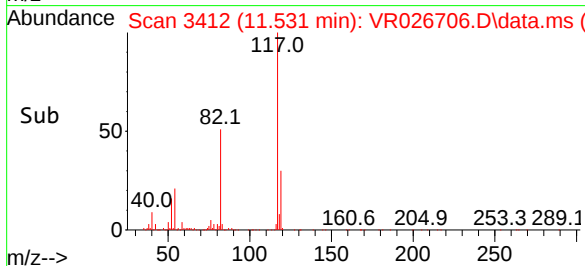
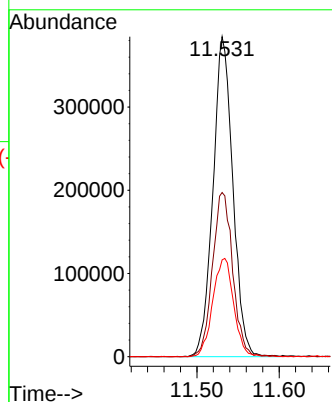
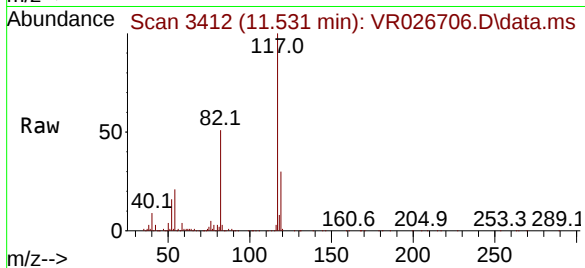
Tgt Ion:117 Resp: 647333

Ion Ratio Lower Upper

117 100

82 51.3 42.0 63.0

119 30.3 23.9 35.9



#71

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.735 min Scan# 4099

Delta R.T. -0.013 min

Lab File: VR026706.D

Acq: 5 Aug 2025 11:14

Tgt Ion:152 Resp: 293025

Ion Ratio Lower Upper

152 100

115 52.8 27.8 83.4

150 154.0 0.0 350.4

