

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR081125\
 Data File : VR026733.D
 Acq On : 11 Aug 2025 11:09
 Operator : SY/MD
 Sample : VR0811WBL01
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VR0811WBL01

Quant Time: Aug 12 02:46:34 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	329105	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.328	114	596001	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.537	117	470228	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.748	152	200784	50.000	ug/l	0.00

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.683	65	195114	46.842	ug/l	-0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.680%
34) Dibromofluoromethane	7.195	113	167339	45.395	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.780%
49) Toluene-d8	10.032	98	656362	49.699	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.400%
61) 4-Bromofluorobenzene	12.673	95	172120	45.821	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.640%

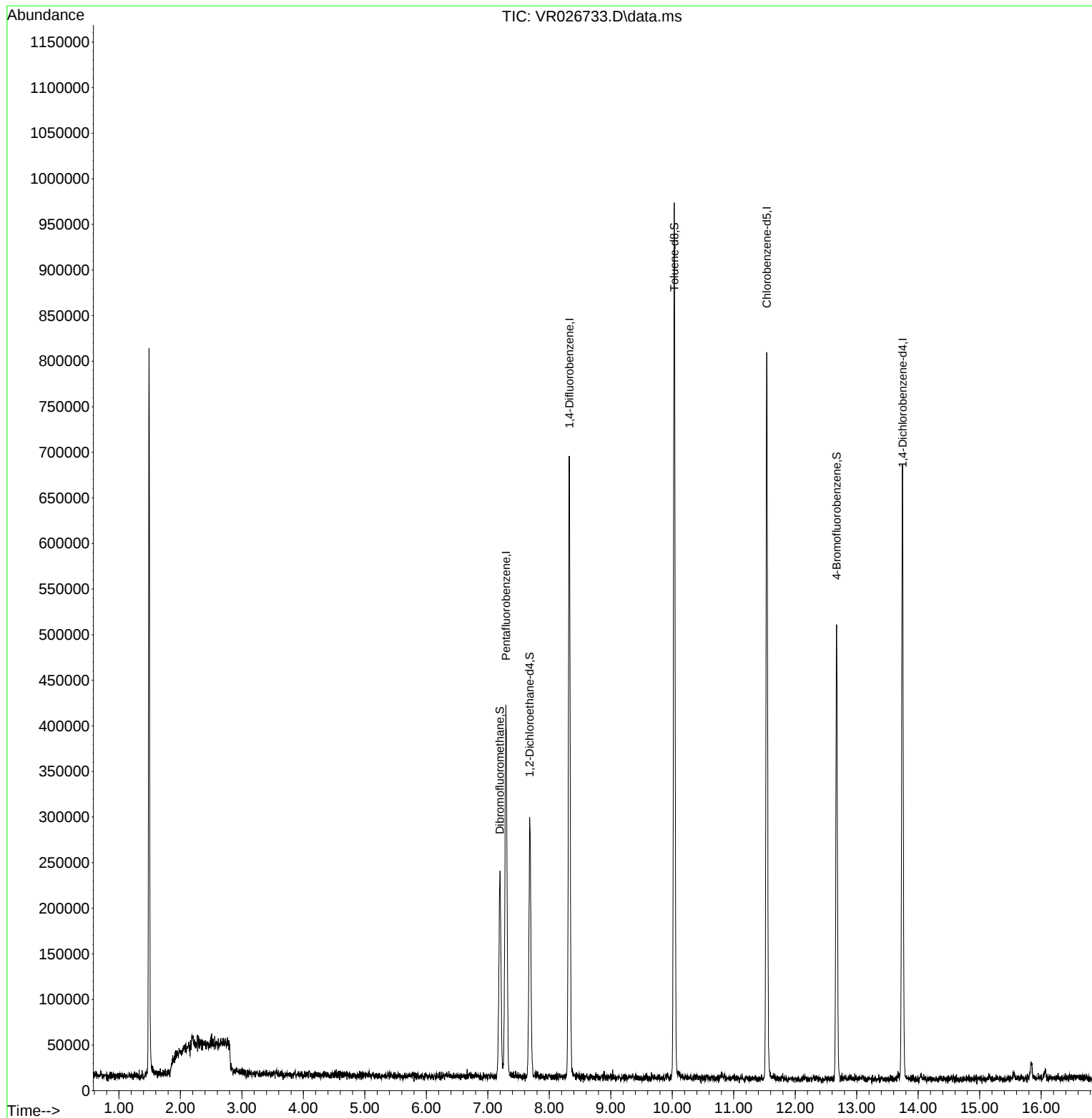
Target Compounds	Qvalue

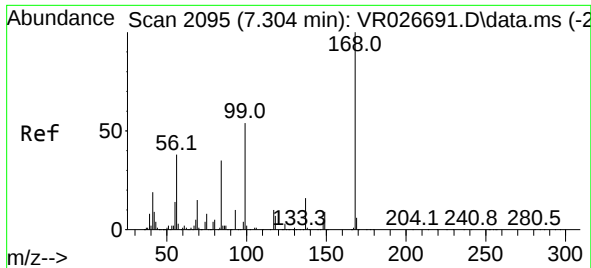
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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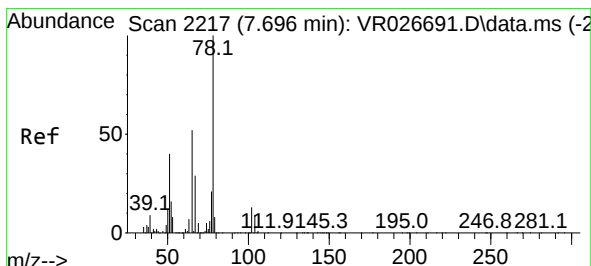
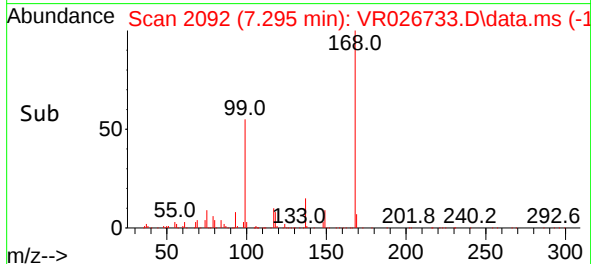
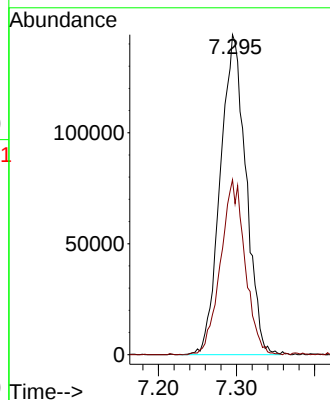
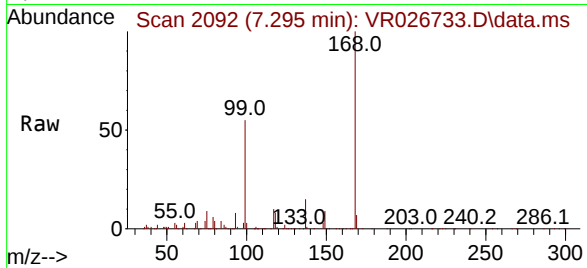




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.295 min Scan# 2095
Delta R.T. -0.009 min
Lab File: VR026733.D
Acq: 11 Aug 2025 11:09

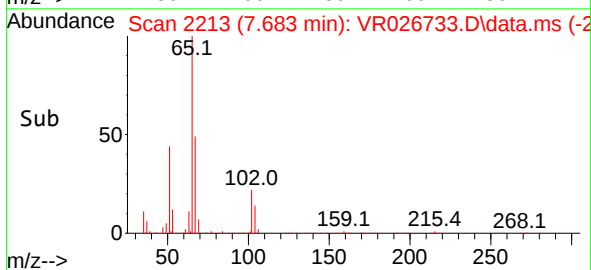
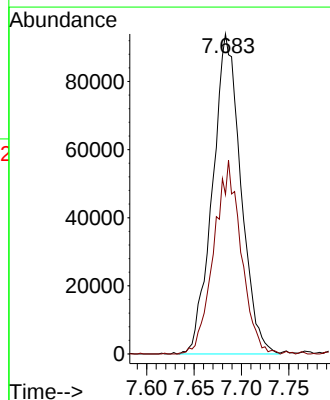
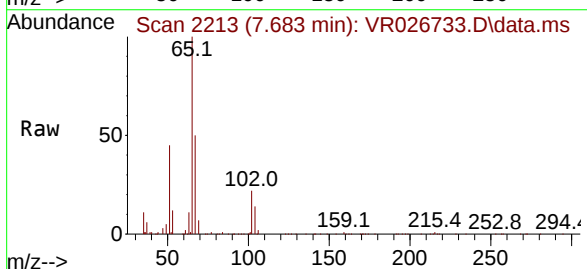
Instrument :
MSVOA_R
ClientSampleId :
VR0811WBL01

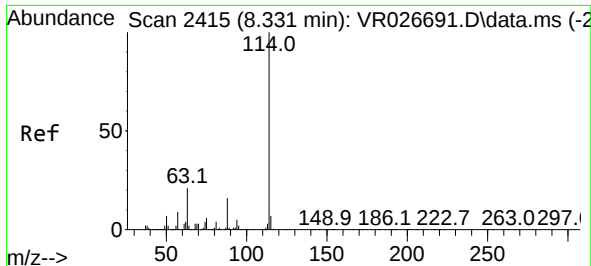
Tgt Ion:168 Resp: 329105
Ion Ratio Lower Upper
168 100
99 54.5 43.8 65.8



#32
1,2-Dichloroethane-d4
Concen: 46.842 ug/l
RT: 7.683 min Scan# 2213
Delta R.T. -0.013 min
Lab File: VR026733.D
Acq: 11 Aug 2025 11:09

Tgt Ion: 65 Resp: 195114
Ion Ratio Lower Upper
65 100
67 58.2 0.0 118.4





#33

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.328 min Scan# 2414

Delta R.T. -0.003 min

Lab File: VR026733.D

Acq: 11 Aug 2025 11:09

Instrument :

MSVOA_R

ClientSampleId :

VR0811WBL01

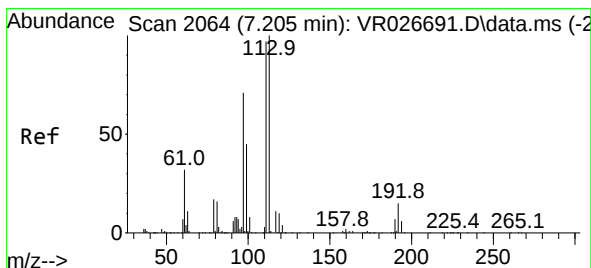
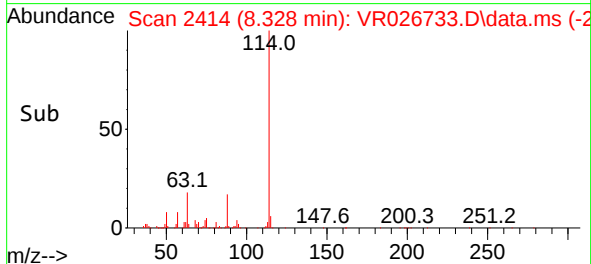
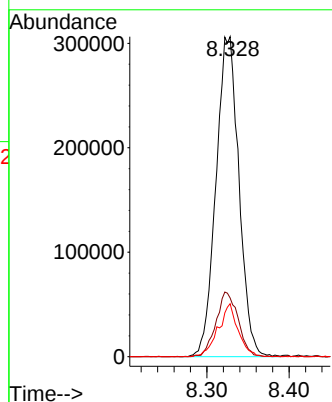
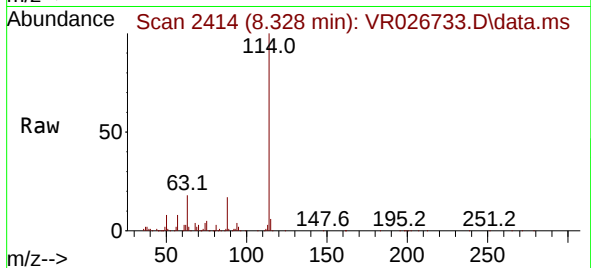
Tgt Ion:114 Resp: 596001

Ion Ratio Lower Upper

114 100

63 18.4 0.0 41.6

88 16.5 0.0 32.6



#34

Dibromofluoromethane

Concen: 45.395 ug/l

RT: 7.195 min Scan# 2061

Delta R.T. -0.010 min

Lab File: VR026733.D

Acq: 11 Aug 2025 11:09

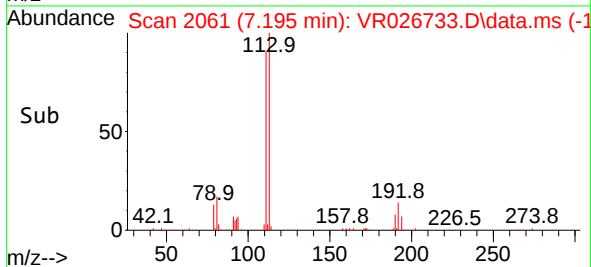
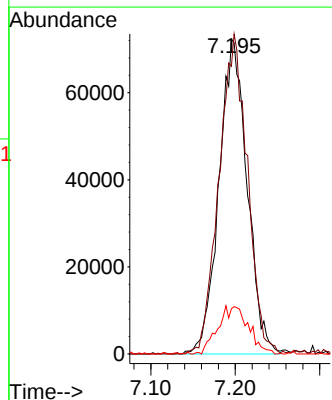
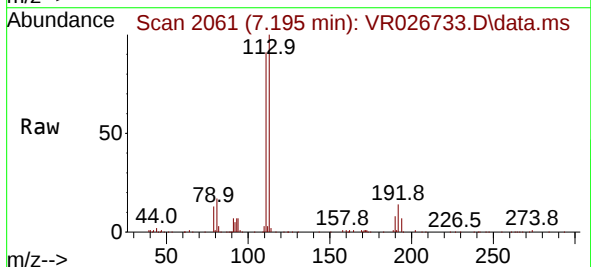
Tgt Ion:113 Resp: 167339

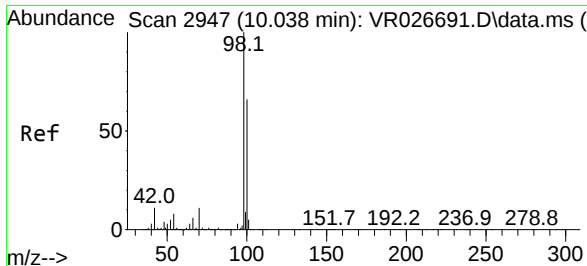
Ion Ratio Lower Upper

113 100

111 102.6 81.7 122.5

192 6.7 12.3 18.5#

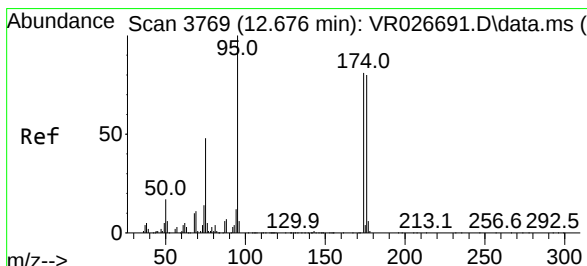
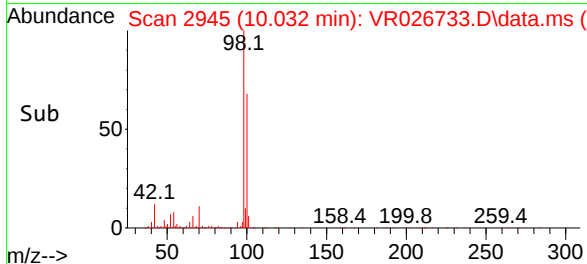
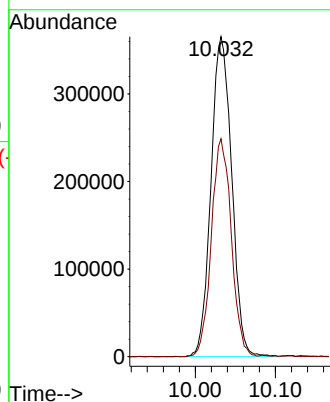
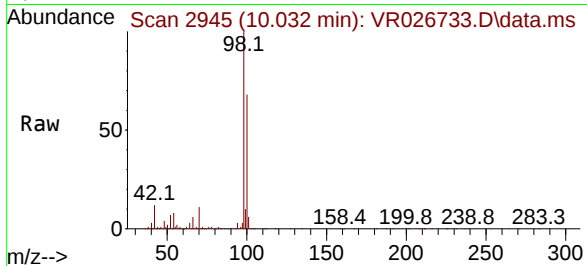




#49
Toluene-d8
Concen: 49.699 ug/l
RT: 10.032 min Scan# 2945
Delta R.T. -0.006 min
Lab File: VR026733.D
Acq: 11 Aug 2025 11:09

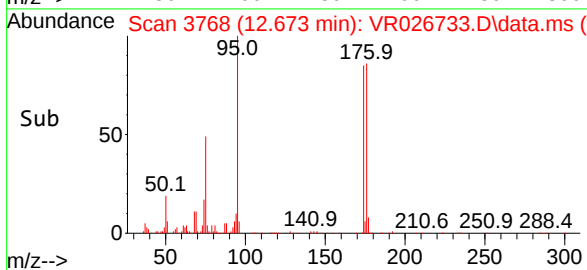
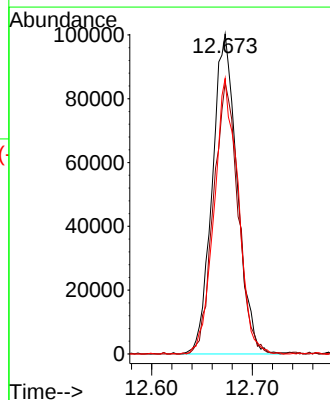
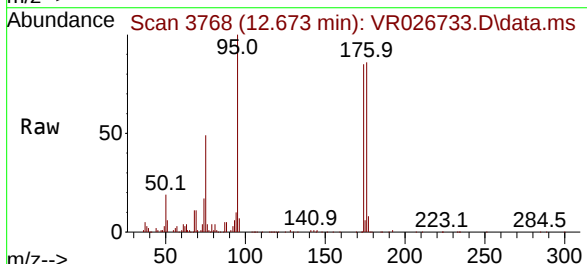
Instrument :
MSVOA_R
ClientSampleId :
VR0811WBL01

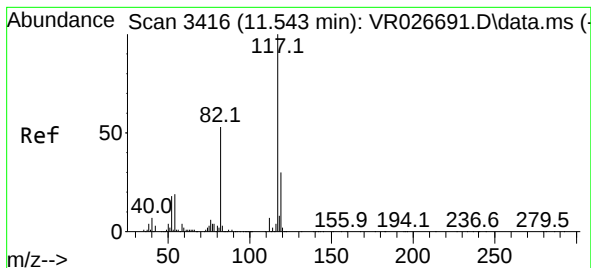
Tgt Ion: 98 Resp: 656362
Ion Ratio Lower Upper
98 100
100 65.4 53.9 80.9



#61
4-Bromofluorobenzene
Concen: 45.821 ug/l
RT: 12.673 min Scan# 3768
Delta R.T. -0.003 min
Lab File: VR026733.D
Acq: 11 Aug 2025 11:09

Tgt Ion: 95 Resp: 172120
Ion Ratio Lower Upper
95 100
174 83.7 0.0 158.4
176 83.1 0.0 149.0





#62

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.537 min Scan# 3416

Delta R.T. -0.006 min

Lab File: VR026733.D

Acq: 11 Aug 2025 11:09

Instrument :

MSVOA_R

ClientSampleId :

VR0811WBL01

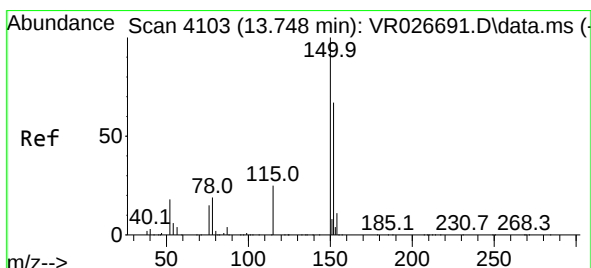
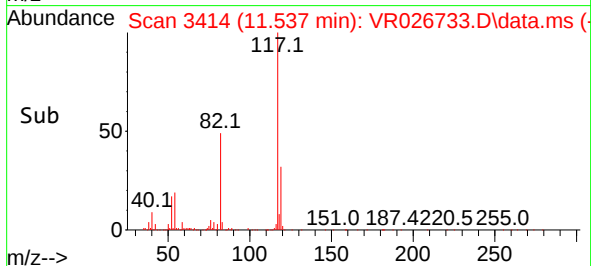
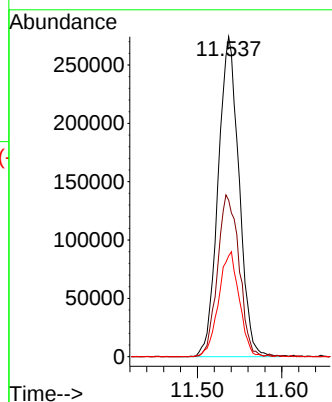
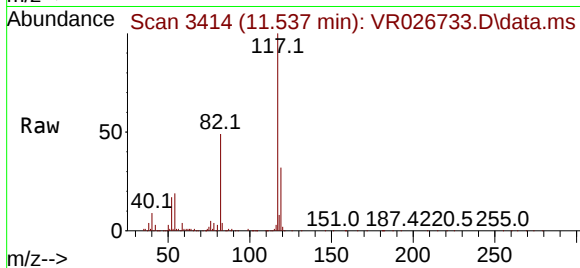
Tgt Ion:117 Resp: 470228

Ion Ratio Lower Upper

117 100

82 48.9 42.0 63.0

119 31.5 23.9 35.9



#71

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.748 min Scan# 4103

Delta R.T. 0.000 min

Lab File: VR026733.D

Acq: 11 Aug 2025 11:09

Tgt Ion:152 Resp: 200784

Ion Ratio Lower Upper

152 100

115 53.1 27.8 83.4

150 161.3 0.0 350.4

