

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080625\
 Data File : VR026715.D
 Acq On : 6 Aug 2025 14:23
 Operator : SY/MD
 Sample : VR0806WBL01
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VR0806WBL01

Quant Time: Aug 07 01:11:21 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	7.289	168	363120	50.000	ug/l	-0.02
33) 1,4-Difluorobenzene	8.319	114	682212	50.000	ug/l	-0.01
62) Chlorobenzene-d5	11.527	117	535610	50.000	ug/l	-0.02
71) 1,4-Dichlorobenzene-d4	13.735	152	239490	50.000	ug/l	-0.01

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.677	65	231975	50.474	ug/l	-0.02
Spiked Amount	50.000	Range	74 - 125	Recovery	=	100.940%
34) Dibromofluoromethane	7.186	113	189134	44.823	ug/l	-0.02
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.640%
49) Toluene-d8	10.022	98	764156	50.549	ug/l	-0.02
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.100%
61) 4-Bromofluorobenzene	12.660	95	198132	46.080	ug/l	-0.02
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.160%

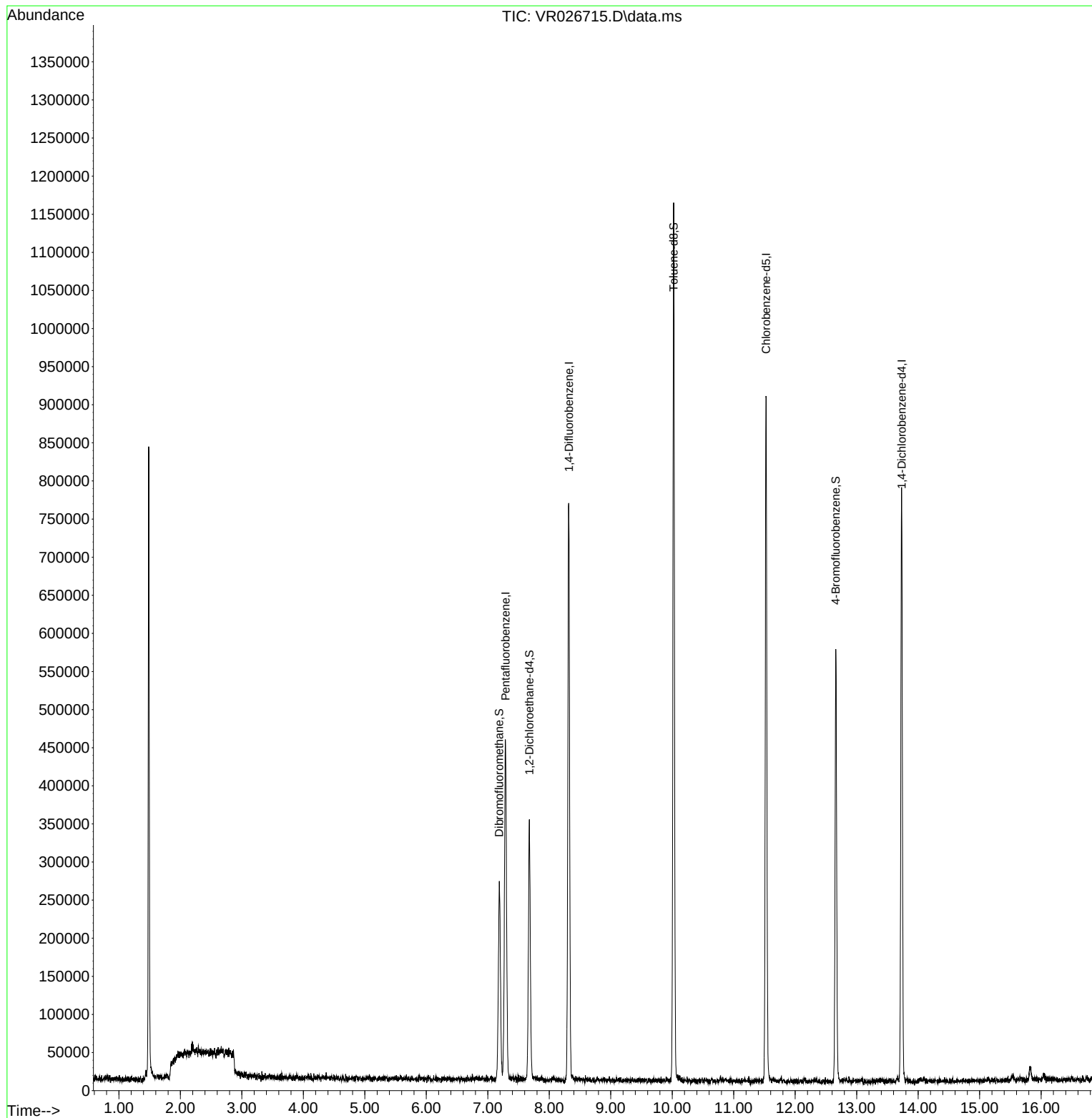
Target Compounds	Qvalue

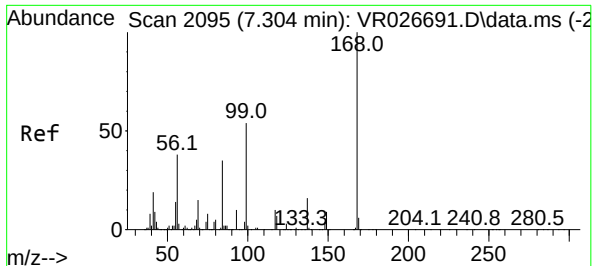
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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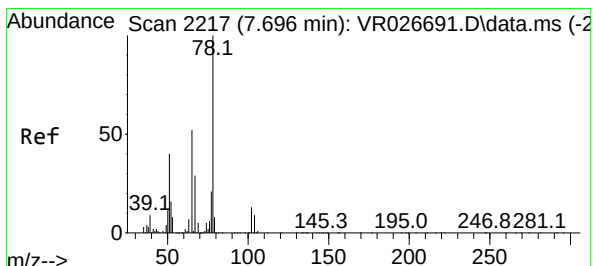
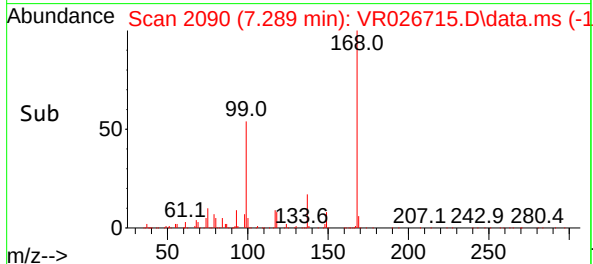
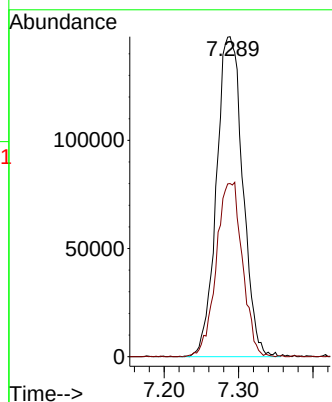
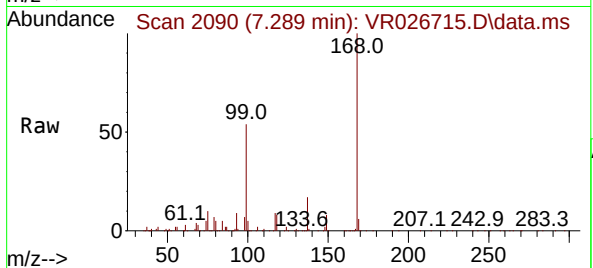




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.289 min Scan# 2095
Delta R.T. -0.016 min
Lab File: VR026715.D
Acq: 6 Aug 2025 14:23

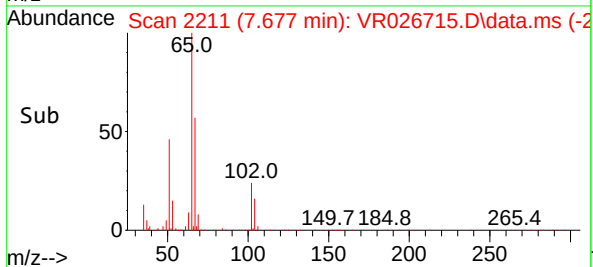
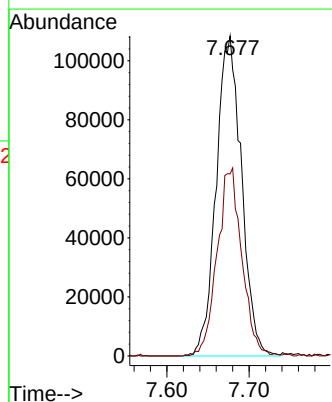
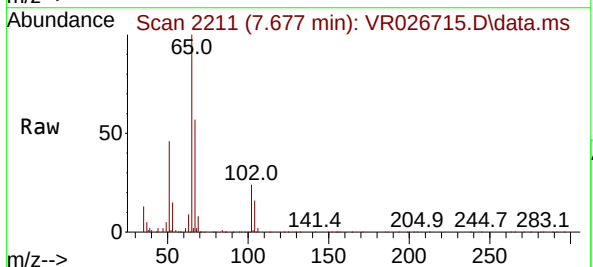
Instrument :
MSVOA_R
ClientSampleId :
VR0806WBL01

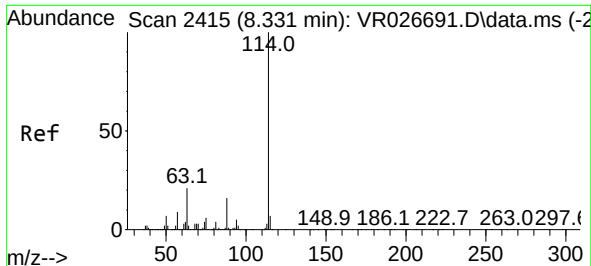
Tgt Ion:168 Resp: 363120
Ion Ratio Lower Upper
168 100
99 53.9 43.8 65.8



#32
1,2-Dichloroethane-d4
Concen: 50.474 ug/l
RT: 7.677 min Scan# 2211
Delta R.T. -0.019 min
Lab File: VR026715.D
Acq: 6 Aug 2025 14:23

Tgt Ion: 65 Resp: 231975
Ion Ratio Lower Upper
65 100
67 57.2 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: VR026715.D

Acq: 6 Aug 2025 14:23

Instrument :

MSVOA_R

ClientSampleId :

VR0806WBL01

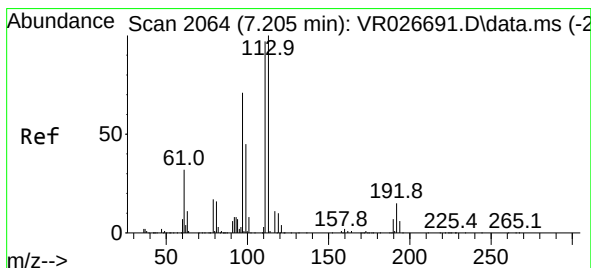
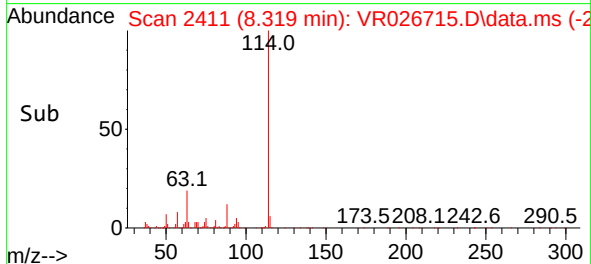
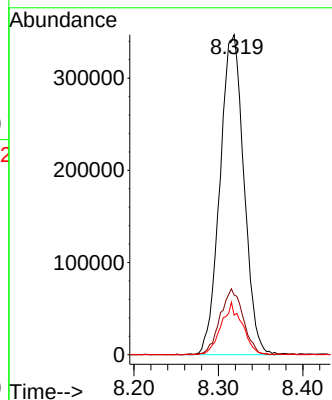
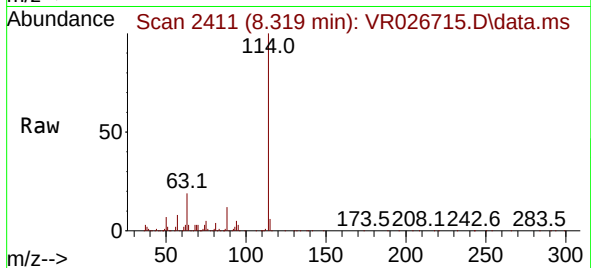
Tgt Ion:114 Resp: 682212

Ion Ratio Lower Upper

114 100

63 18.7 0.0 41.6

88 12.4 0.0 32.6



#34

Dibromofluoromethane

Concen: 44.823 ug/l

RT: 7.186 min Scan# 2058

Delta R.T. -0.019 min

Lab File: VR026715.D

Acq: 6 Aug 2025 14:23

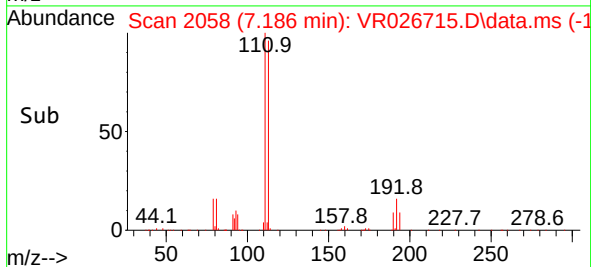
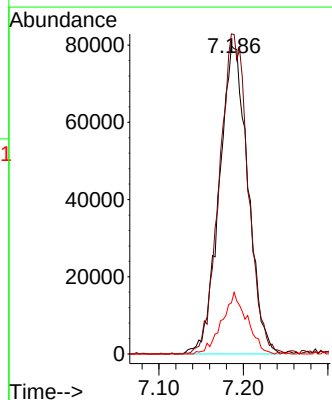
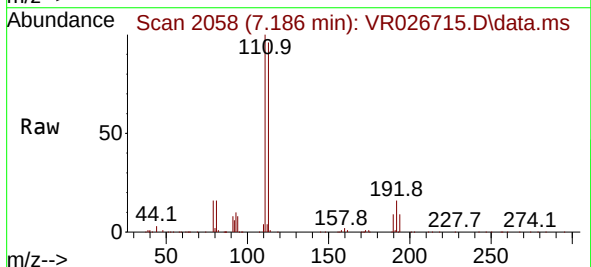
Tgt Ion:113 Resp: 189134

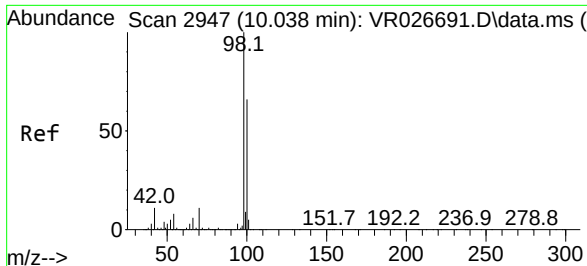
Ion Ratio Lower Upper

113 100

111 103.2 81.7 122.5

192 17.5 12.3 18.5

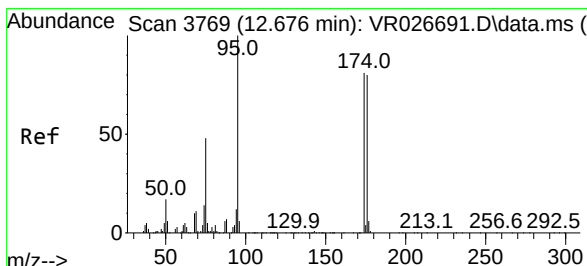
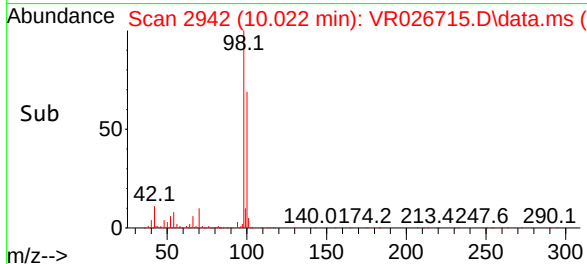
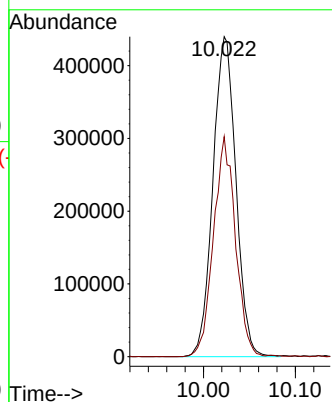
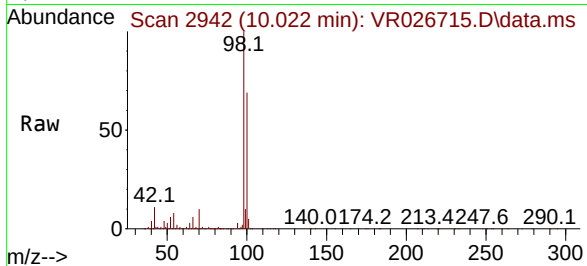




#49
Toluene-d8
Concen: 50.549 ug/l
RT: 10.022 min Scan# 2942
Delta R.T. -0.016 min
Lab File: VR026715.D
Acq: 6 Aug 2025 14:23

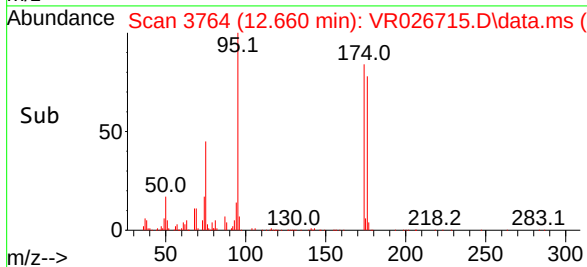
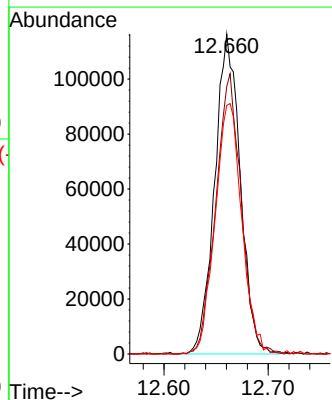
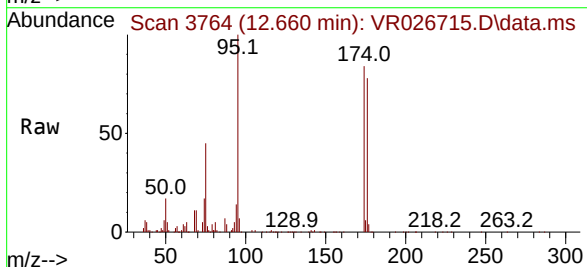
Instrument :
MSVOA_R
ClientSampleId :
VR0806WBL01

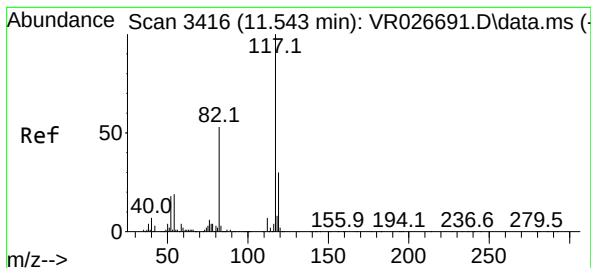
Tgt Ion: 98 Resp: 764156
Ion Ratio Lower Upper
98 100
100 65.7 53.9 80.9



#61
4-Bromofluorobenzene
Concen: 46.080 ug/l
RT: 12.660 min Scan# 3764
Delta R.T. -0.016 min
Lab File: VR026715.D
Acq: 6 Aug 2025 14:23

Tgt Ion: 95 Resp: 198132
Ion Ratio Lower Upper
95 100
174 87.3 0.0 158.4
176 81.9 0.0 149.0





#62

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.527 min Scan# 3411

Delta R.T. -0.016 min

Lab File: VR026715.D

Acq: 6 Aug 2025 14:23

Instrument :

MSVOA_R

ClientSampleId :

VR0806WBL01

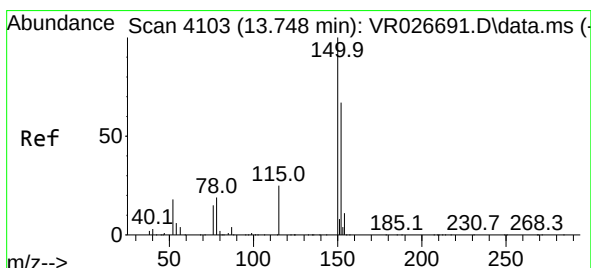
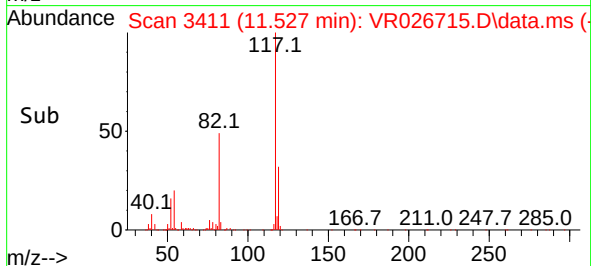
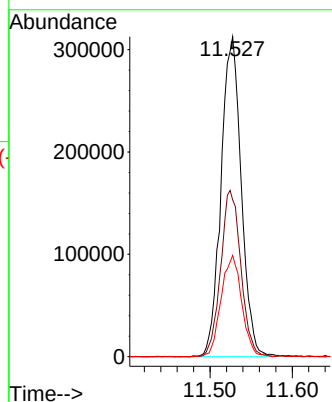
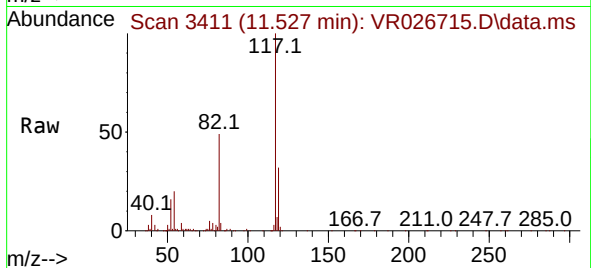
Tgt Ion:117 Resp: 535610

Ion Ratio Lower Upper

117 100

82 49.0 42.0 63.0

119 31.7 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: VR026715.D

Acq: 6 Aug 2025 14:23

Tgt Ion:152 Resp: 239490

Ion Ratio Lower Upper

152 100

115 52.1 27.8 83.4

150 158.4 0.0 350.4

