

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080725\
 Data File : VR026725.D
 Acq On : 7 Aug 2025 14:00
 Operator : SY/MD
 Sample : VR0807WBL01
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VR0807WBL01

Quant Time: Aug 08 01:39:44 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	331889	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.322	114	623225	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.531	117	482948	50.000	ug/l	-0.01
71) 1,4-Dichlorobenzene-d4	13.732	152	215487	50.000	ug/l	-0.02

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.683	65	216826	51.618	ug/l	-0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.240%
34) Dibromofluoromethane	7.189	113	178732	46.367	ug/l	-0.02
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.740%
49) Toluene-d8	10.026	98	693945	50.249	ug/l	-0.01
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.500%
61) 4-Bromofluorobenzene	12.663	95	181643	46.244	ug/l	-0.01
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.480%

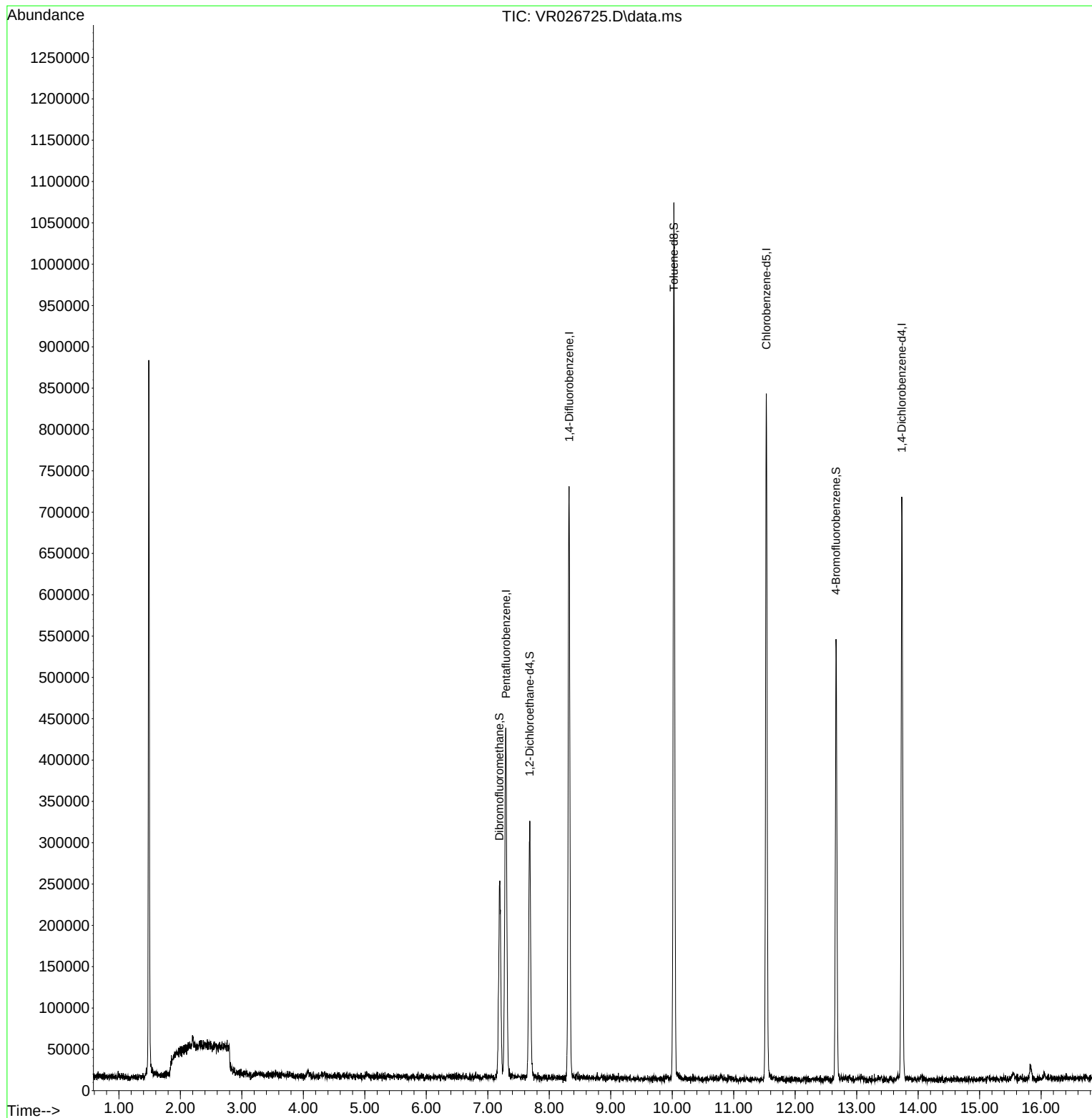
Target Compounds	Qvalue

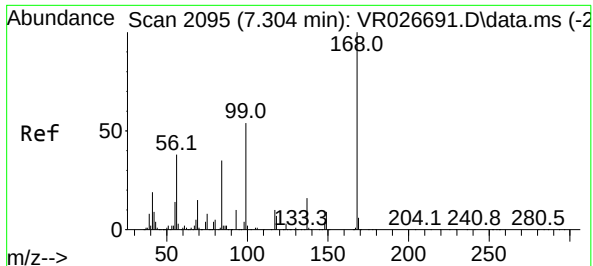
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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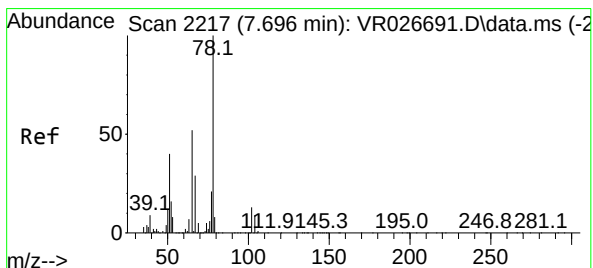
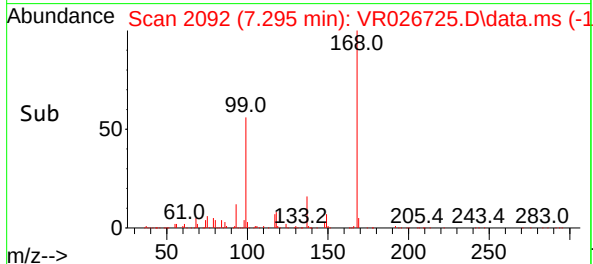
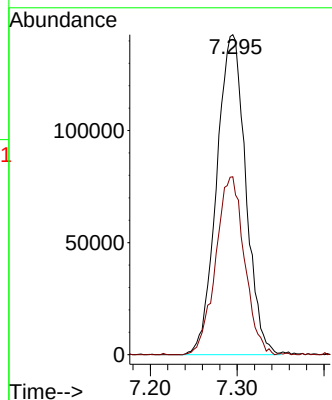
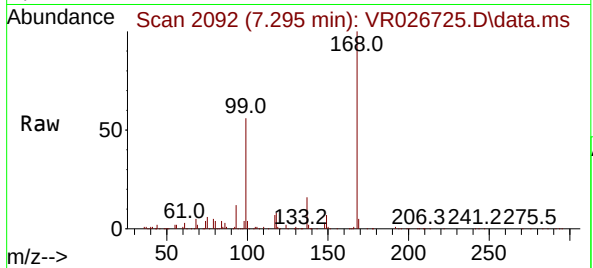




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.295 min Scan# 2095
Delta R.T. -0.009 min
Lab File: VR026725.D
Acq: 7 Aug 2025 14:00

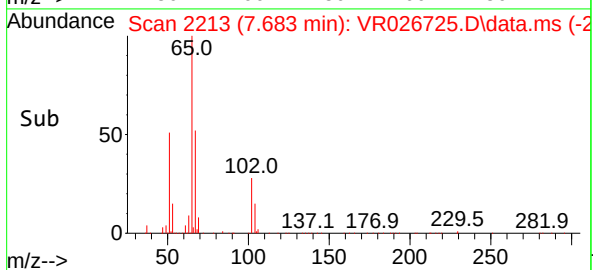
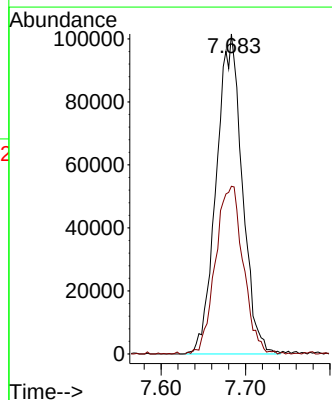
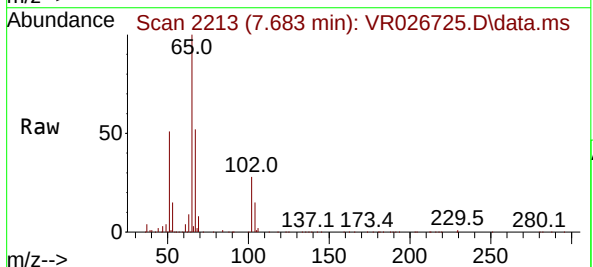
Instrument :
MSVOA_R
ClientSampleId :
VR0807WBL01

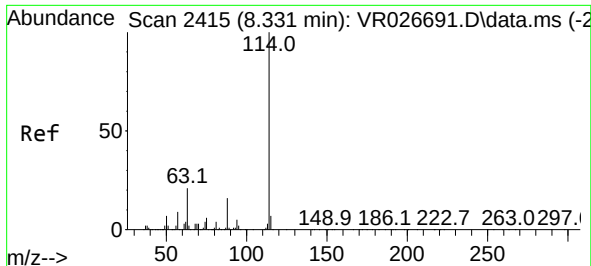
Tgt Ion:168 Resp: 331889
Ion Ratio Lower Upper
168 100
99 55.6 43.8 65.8



#32
1,2-Dichloroethane-d4
Concen: 51.618 ug/l
RT: 7.683 min Scan# 2213
Delta R.T. -0.013 min
Lab File: VR026725.D
Acq: 7 Aug 2025 14:00

Tgt Ion: 65 Resp: 216826
Ion Ratio Lower Upper
65 100
67 55.9 0.0 118.4





#33

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.322 min Scan# 2415

Delta R.T. -0.010 min

Lab File: VR026725.D

Acq: 7 Aug 2025 14:00

Instrument :

MSVOA_R

ClientSampleId :

VR0807WBL01

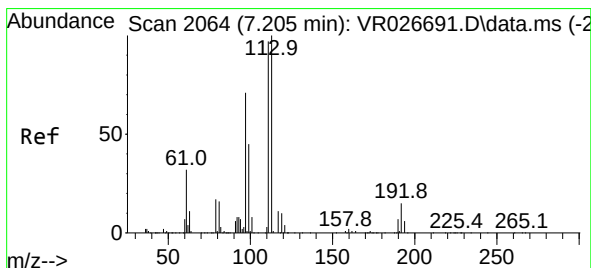
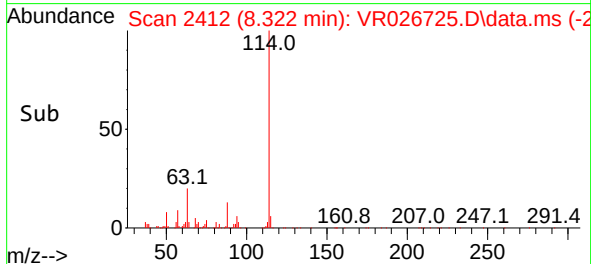
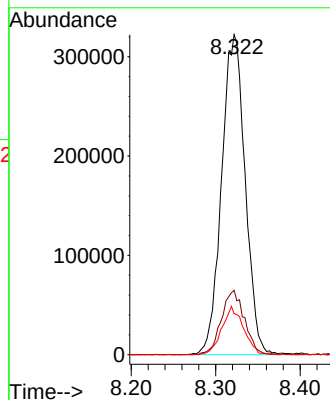
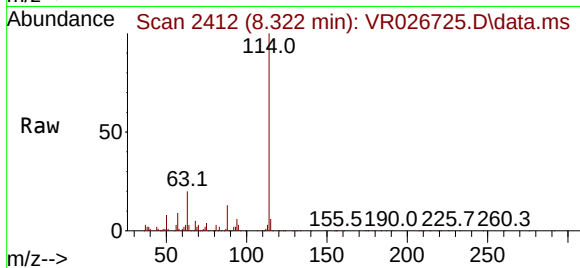
Tgt Ion:114 Resp: 623225

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.6

88 12.8 0.0 32.6



#34

Dibromofluoromethane

Concen: 46.367 ug/l

RT: 7.189 min Scan# 2059

Delta R.T. -0.016 min

Lab File: VR026725.D

Acq: 7 Aug 2025 14:00

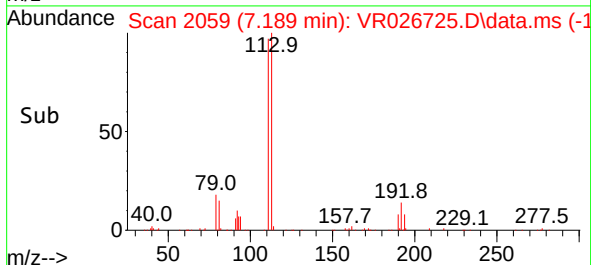
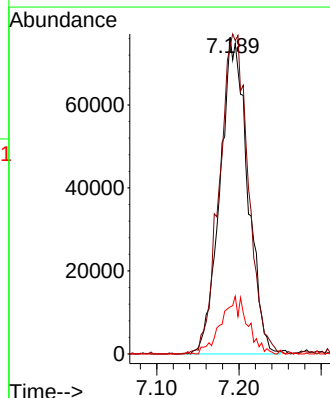
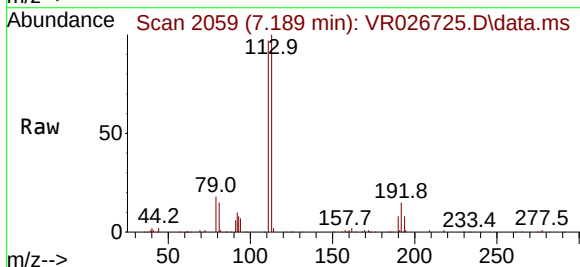
Tgt Ion:113 Resp: 178732

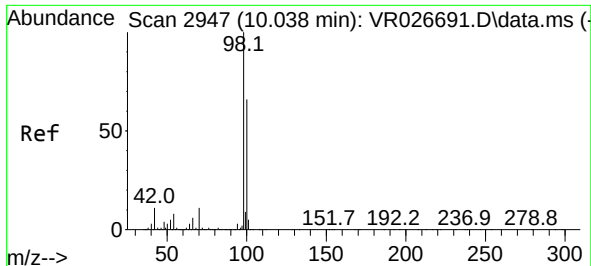
Ion Ratio Lower Upper

113 100

111 105.2 81.7 122.5

192 17.2 12.3 18.5

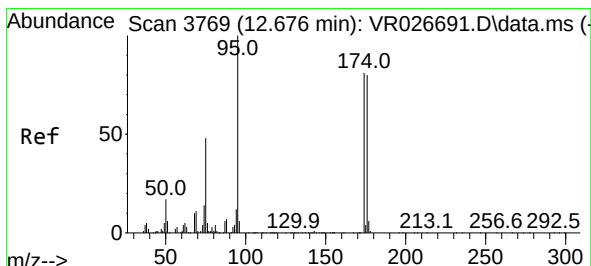
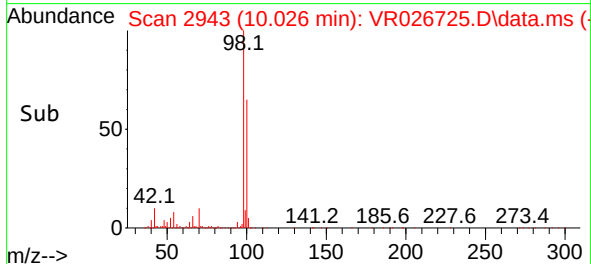
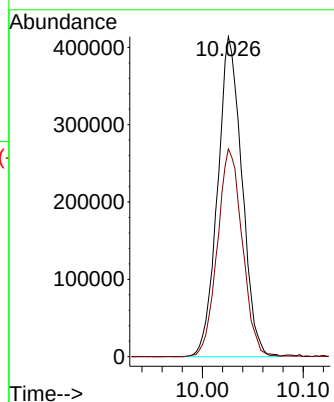
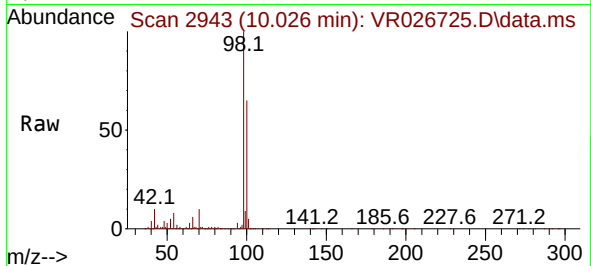




#49
Toluene-d8
Concen: 50.249 ug/l
RT: 10.026 min Scan# 2943
Delta R.T. -0.013 min
Lab File: VR026725.D
Acq: 7 Aug 2025 14:00

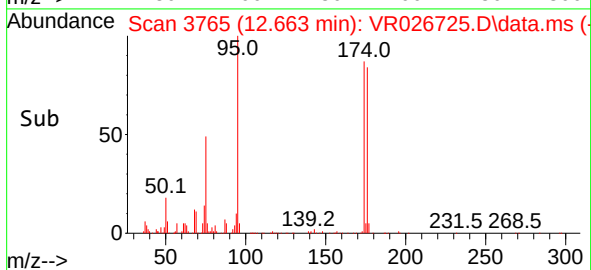
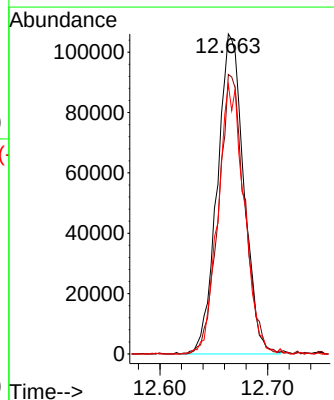
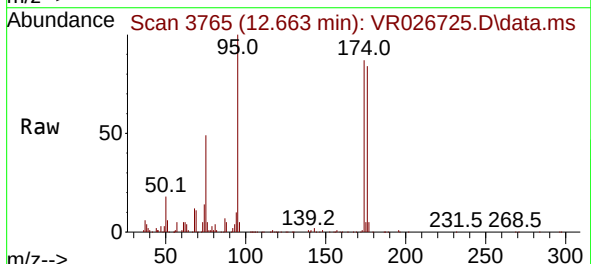
Instrument :
MSVOA_R
ClientSampleId :
VR0807WBL01

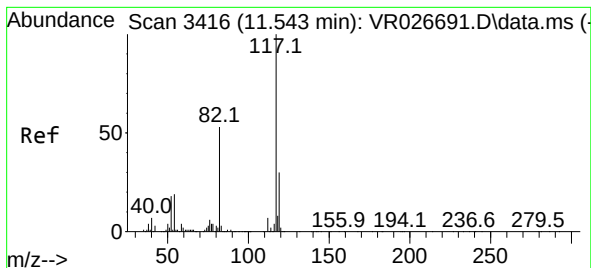
Tgt Ion: 98 Resp: 693945
Ion Ratio Lower Upper
98 100
100 66.6 53.9 80.9



#61
4-Bromofluorobenzene
Concen: 46.244 ug/l
RT: 12.663 min Scan# 3765
Delta R.T. -0.013 min
Lab File: VR026725.D
Acq: 7 Aug 2025 14:00

Tgt Ion: 95 Resp: 181643
Ion Ratio Lower Upper
95 100
174 85.4 0.0 158.4
176 83.3 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: VR026725.D

Acq: 7 Aug 2025 14:00

Instrument :

MSVOA_R

ClientSampleId :

VR0807WBL01

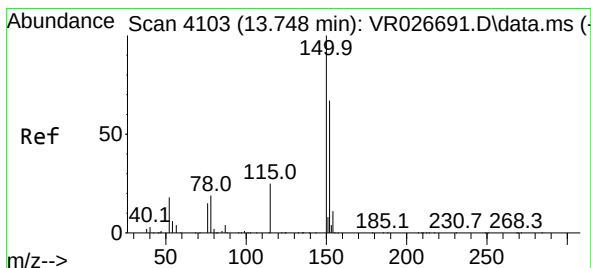
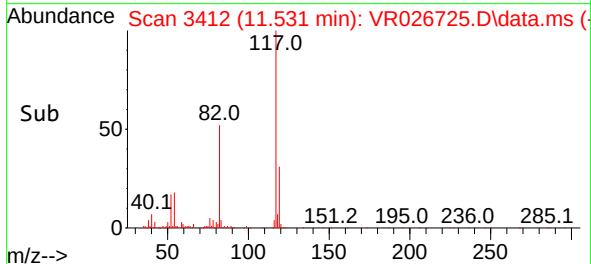
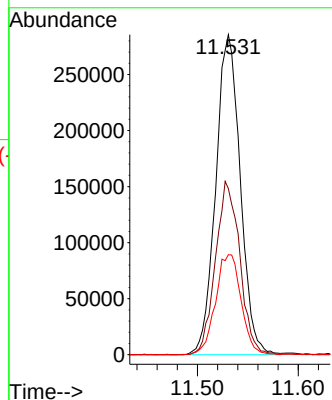
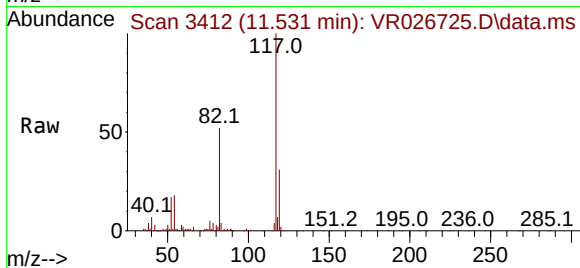
Tgt Ion:117 Resp: 482948

Ion Ratio Lower Upper

117 100

82 51.8 42.0 63.0

119 31.3 23.9 35.9



#71

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.732 min Scan# 4098

Delta R.T. -0.016 min

Lab File: VR026725.D

Acq: 7 Aug 2025 14:00

Tgt Ion:152 Resp: 215487

Ion Ratio Lower Upper

152 100

115 55.4 27.8 83.4

150 163.0 0.0 350.4

