

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080425\
 Data File : VR026695.D
 Acq On : 4 Aug 2025 13:56
 Operator : SY/MD
 Sample : VR0804WBL01
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VR0804WBL01

Quant Time: Aug 05 02:45:53 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	7.308	168	658194	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.331	114	1188421	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.543	117	844931	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.748	152	362743	50.000	ug/l	0.00

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.696	65	432757	51.948	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.900%
34) Dibromofluoromethane	7.208	113	369010	50.202	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.400%
49) Toluene-d8	10.038	98	1333542	50.639	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.280%
61) 4-Bromofluorobenzene	12.679	95	349453	46.655	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.320%

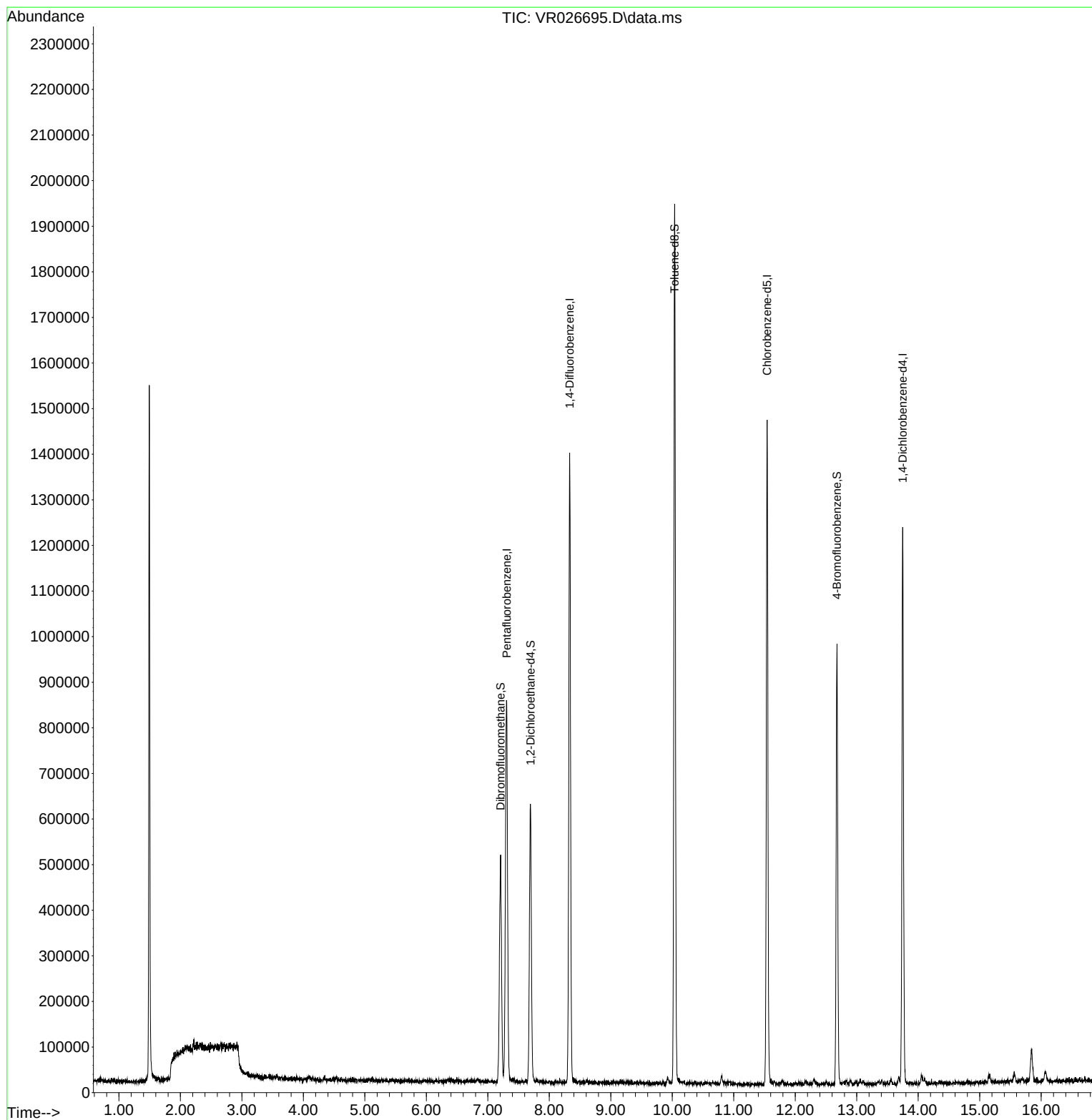
Target Compounds	Qvalue

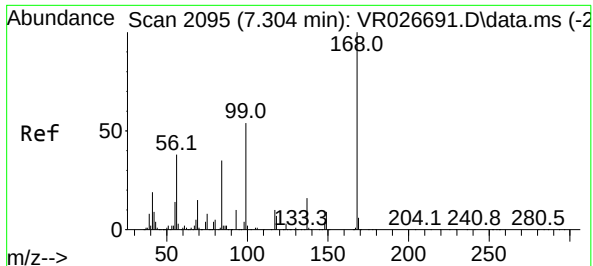
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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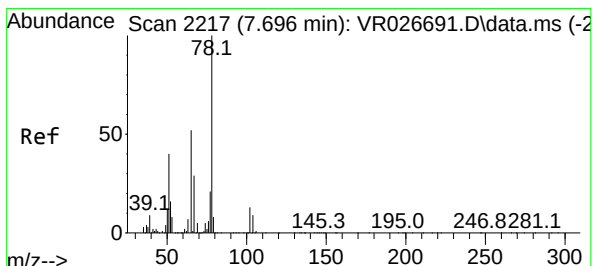
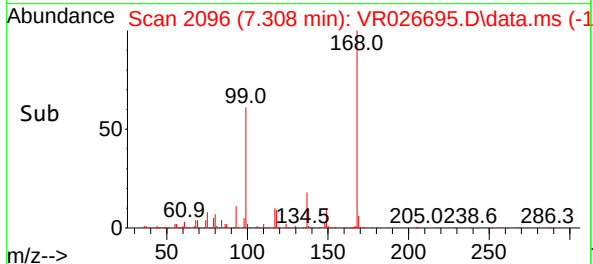
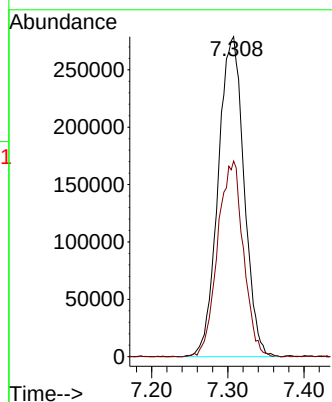
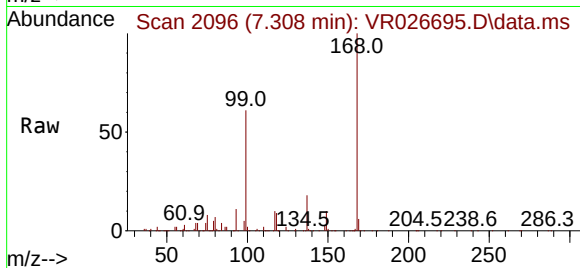




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.308 min Scan# 2096
Delta R.T. 0.004 min
Lab File: VR026695.D
Acq: 4 Aug 2025 13:56

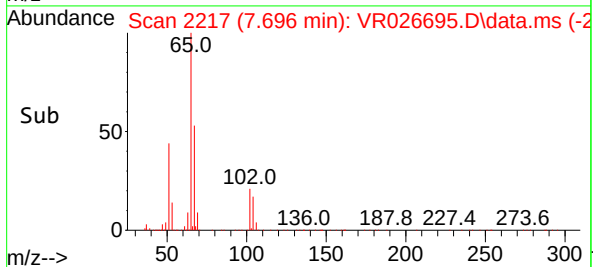
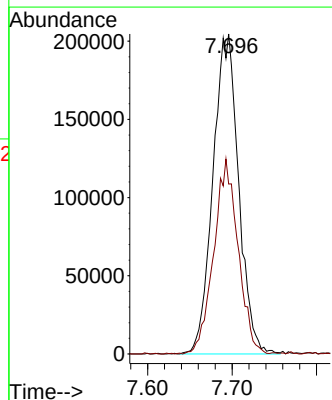
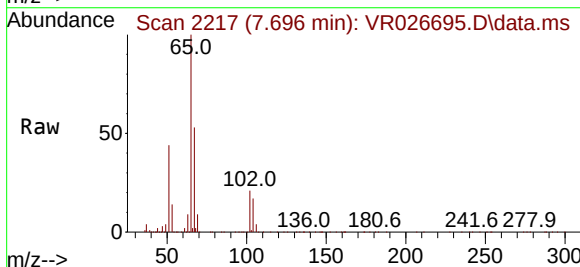
Instrument :
MSVOA_R
ClientSampleId :
VR0804WBL01

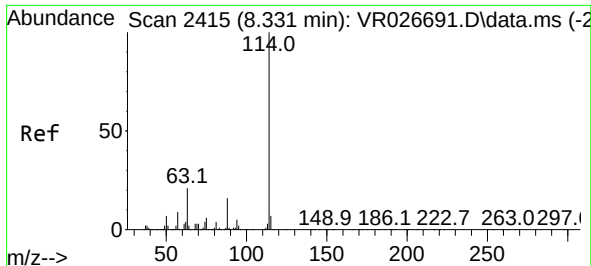
Tgt Ion:168 Resp: 658194
Ion Ratio Lower Upper
168 100
99 61.2 43.8 65.8



#32
1,2-Dichloroethane-d4
Concen: 51.948 ug/l
RT: 7.696 min Scan# 2217
Delta R.T. 0.000 min
Lab File: VR026695.D
Acq: 4 Aug 2025 13:56

Tgt Ion: 65 Resp: 432757
Ion Ratio Lower Upper
65 100
67 57.6 0.0 118.4





#33

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.331 min Scan# 2415

Delta R.T. 0.000 min

Lab File: VR026695.D

Acq: 4 Aug 2025 13:56

Instrument :

MSVOA_R

ClientSampleId :

VR0804WBL01

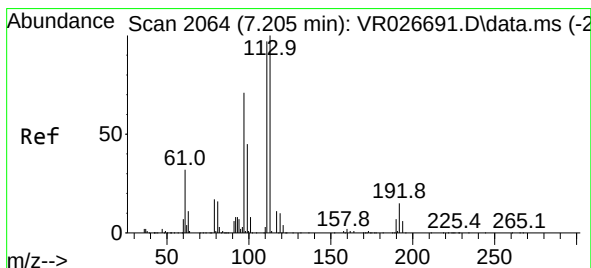
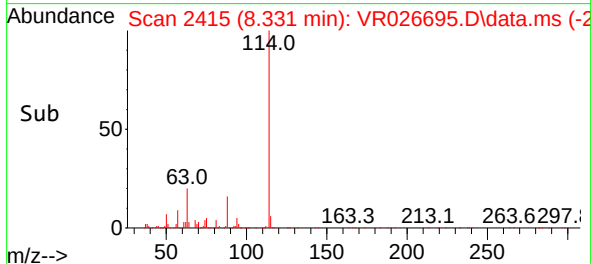
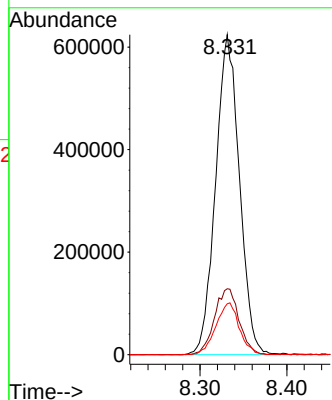
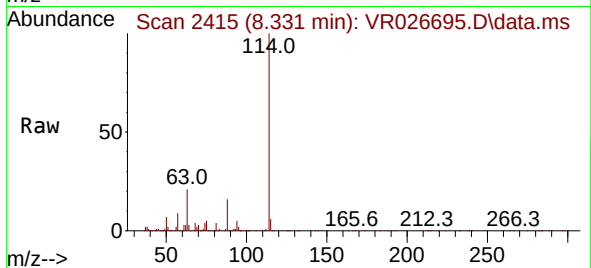
Tgt Ion:114 Resp: 1188421

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.6

88 15.9 0.0 32.6



#34

Dibromofluoromethane

Concen: 50.202 ug/l

RT: 7.208 min Scan# 2065

Delta R.T. 0.003 min

Lab File: VR026695.D

Acq: 4 Aug 2025 13:56

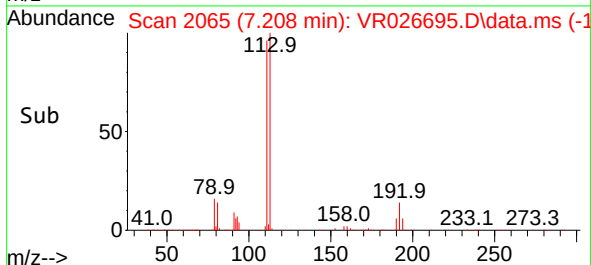
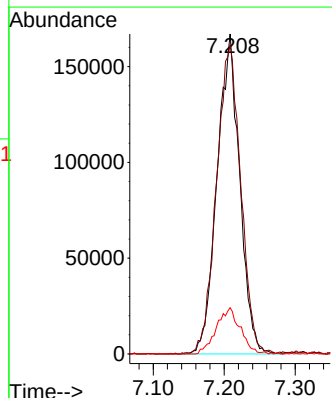
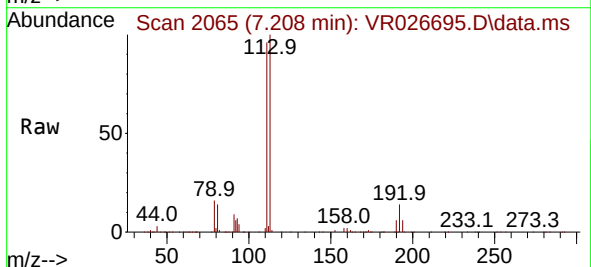
Tgt Ion:113 Resp: 369010

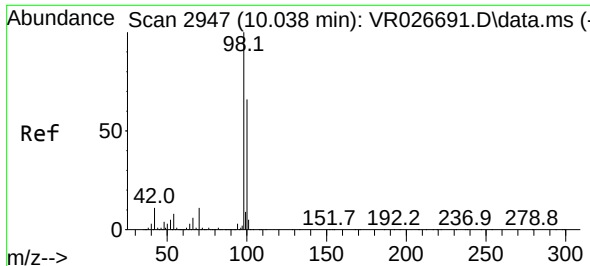
Ion Ratio Lower Upper

113 100

111 103.6 81.7 122.5

192 15.2 12.3 18.5

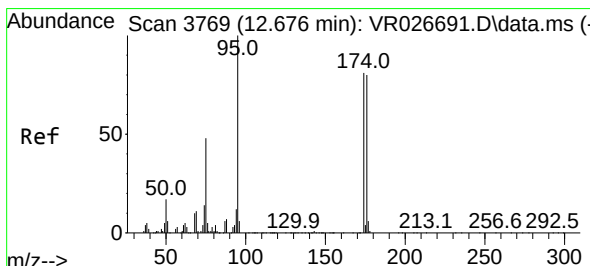
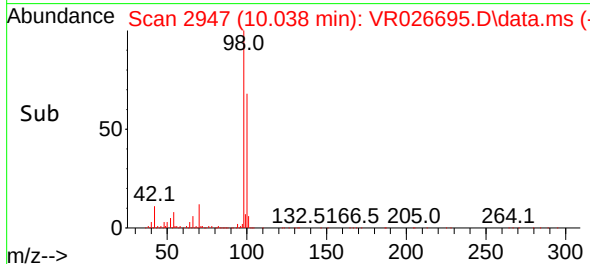
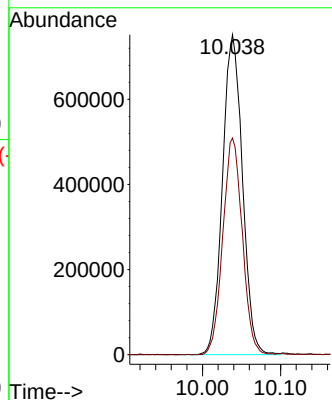
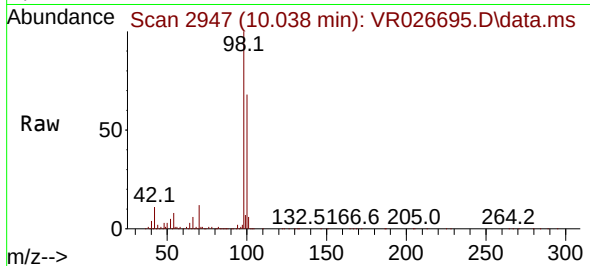




#49
Toluene-d8
Concen: 50.639 ug/l
RT: 10.038 min Scan# 2947
Delta R.T. 0.000 min
Lab File: VR026695.D
Acq: 4 Aug 2025 13:56

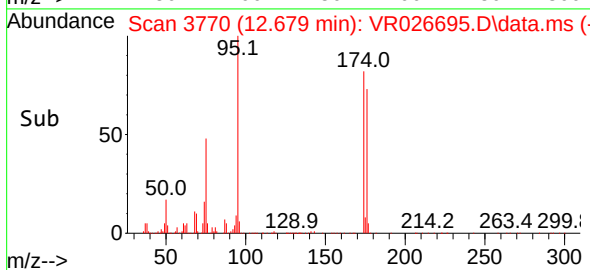
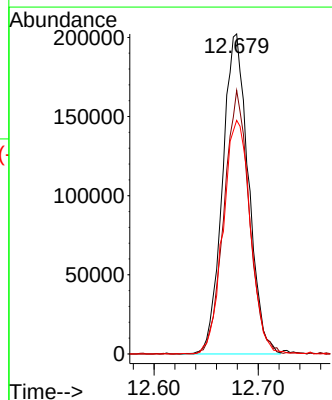
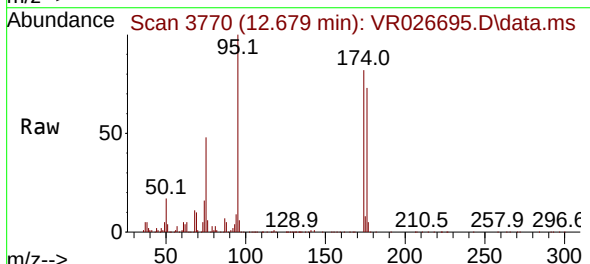
Instrument :
MSVOA_R
ClientSampleId :
VR0804WBL01

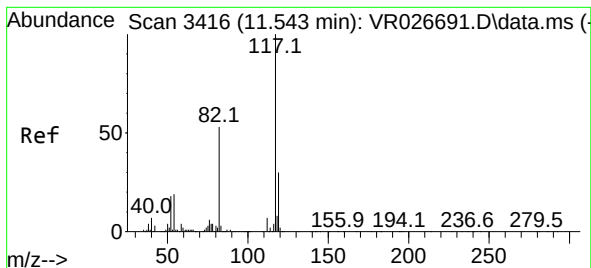
Tgt Ion: 98 Resp: 1333542
Ion Ratio Lower Upper
98 100
100 66.1 53.9 80.9



#61
4-Bromofluorobenzene
Concen: 46.655 ug/l
RT: 12.679 min Scan# 3770
Delta R.T. 0.003 min
Lab File: VR026695.D
Acq: 4 Aug 2025 13:56

Tgt Ion: 95 Resp: 349453
Ion Ratio Lower Upper
95 100
174 80.3 0.0 158.4
176 77.1 0.0 149.0





#62

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.543 min Scan# 3416

Delta R.T. 0.000 min

Lab File: VR026695.D

Acq: 4 Aug 2025 13:56

Instrument :

MSVOA_R

ClientSampleId :

VR0804WBL01

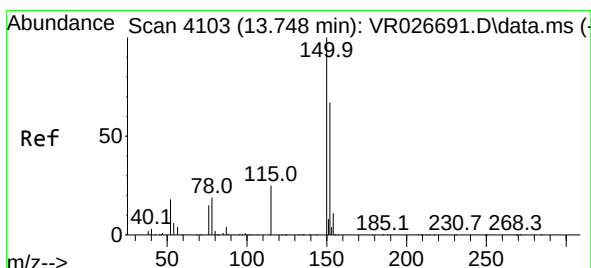
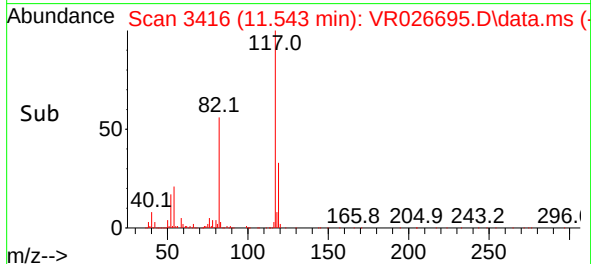
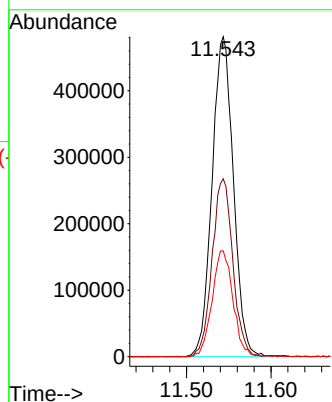
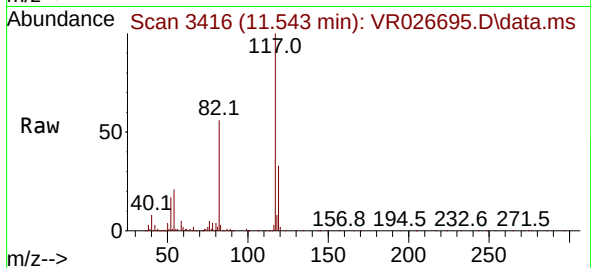
Tgt Ion:117 Resp: 844931

Ion Ratio Lower Upper

117 100

82 55.6 42.0 63.0

119 33.0 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: VR026695.D

Acq: 4 Aug 2025 13:56

Tgt Ion:152 Resp: 362743

Ion Ratio Lower Upper

152 100

115 55.1 27.8 83.4

150 158.7 0.0 350.4

