

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080625\
 Data File : VR026716.D
 Acq On : 6 Aug 2025 14:50
 Operator : SY/MD
 Sample : VR0806WBL02
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VR0806WBL02

Quant Time: Aug 07 01:11:52 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	7.285	168	346468	50.000	ug/l	-0.02
33) 1,4-Difluorobenzene	8.318	114	632131	50.000	ug/l	-0.01
62) Chlorobenzene-d5	11.524	117	505158	50.000	ug/l	-0.02
71) 1,4-Dichlorobenzene-d4	13.729	152	234605	50.000	ug/l	-0.02

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.673	65	224150	51.116	ug/l	-0.02
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.240%
34) Dibromofluoromethane	7.192	113	184569	47.207	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.420%
49) Toluene-d8	10.022	98	755731	53.952	ug/l	-0.02
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.900%
61) 4-Bromofluorobenzene	12.663	95	199679	50.119	ug/l	-0.01
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.240%

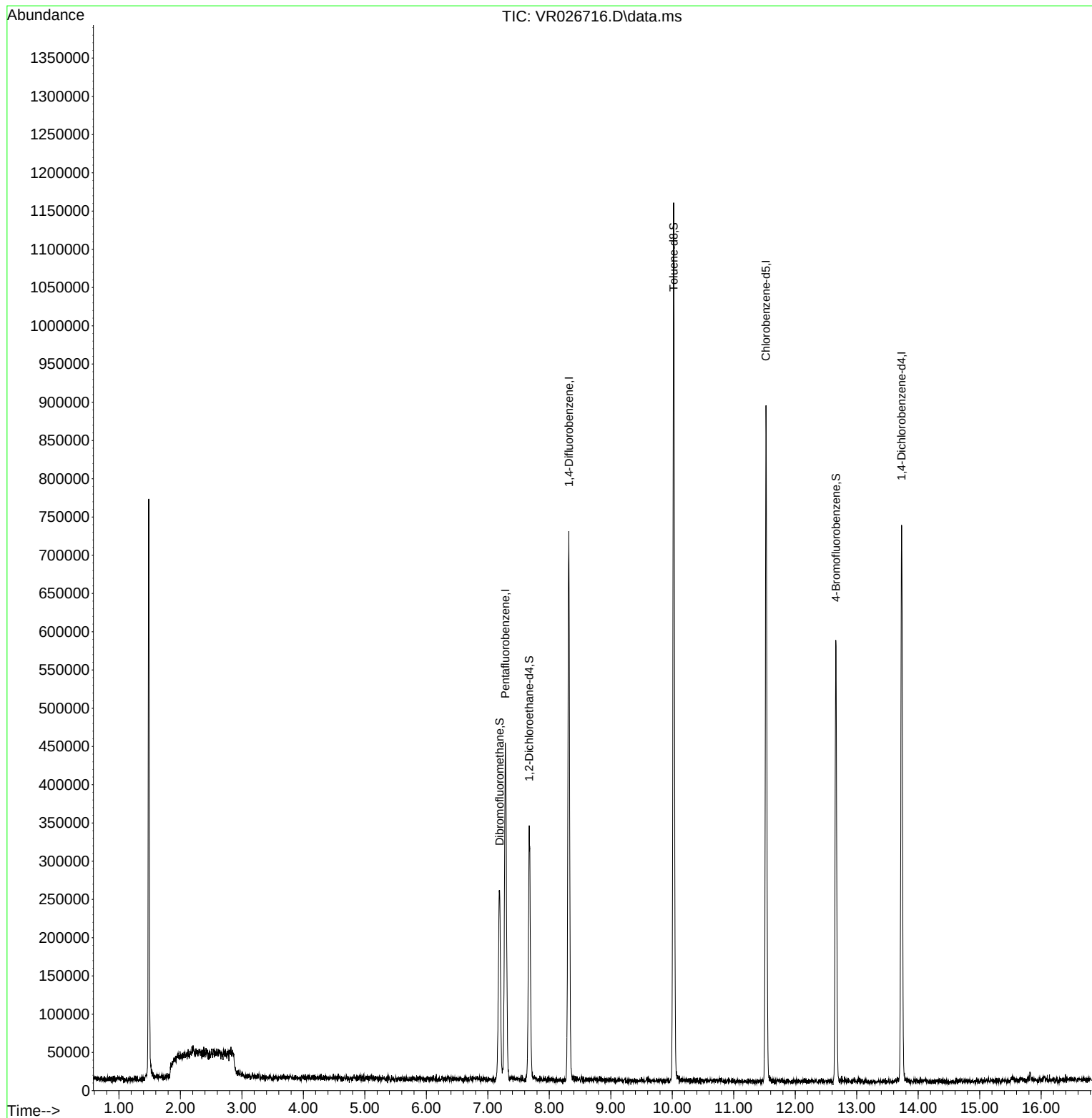
Target Compounds	Qvalue

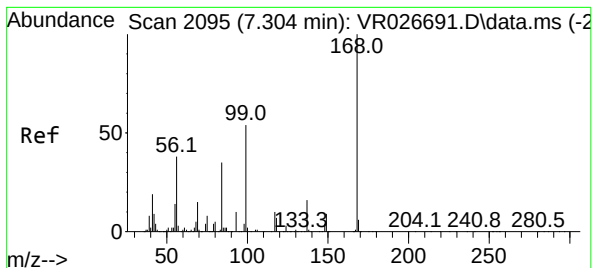
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.285 min Scan# 2095

Delta R.T. -0.019 min

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Acq: 6 Aug 2025 14:50

Instrument :

MSVOA_R

ClientSampleId :

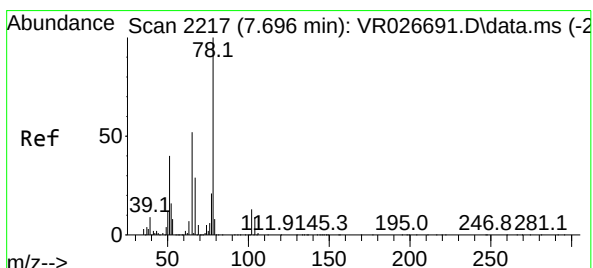
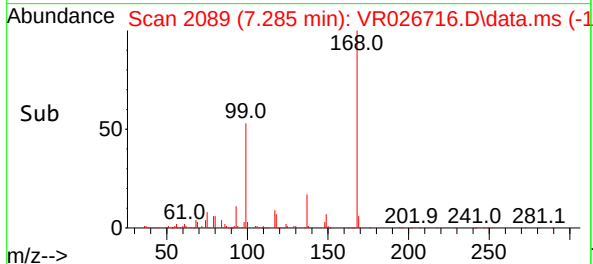
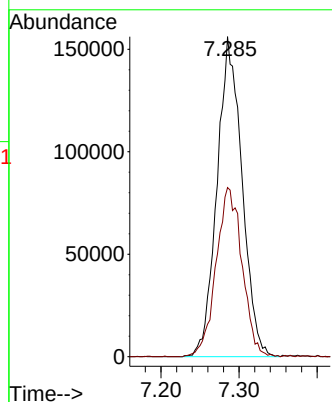
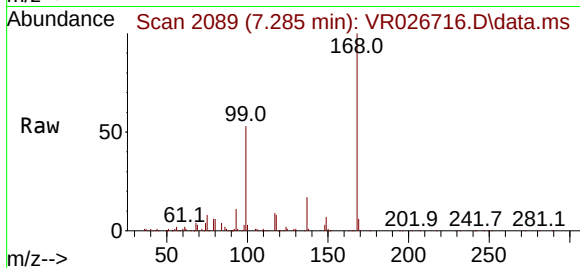
VR0806WBL02

Tgt Ion:168 Resp: 346468

Ion Ratio Lower Upper

168 100

99 52.8 43.8 65.8



#32

1,2-Dichloroethane-d4

Concen: 51.116 ug/l

RT: 7.673 min Scan# 2210

Delta R.T. -0.022 min

Lab File: VR026716.D

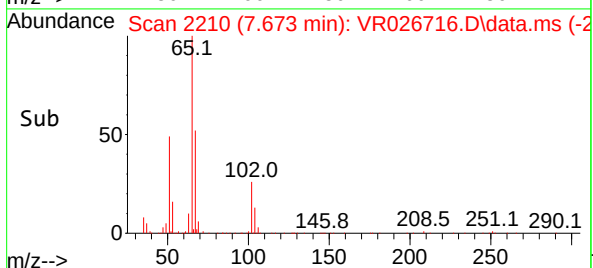
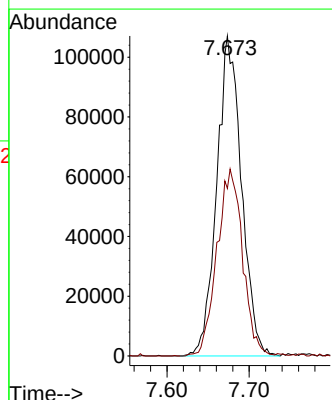
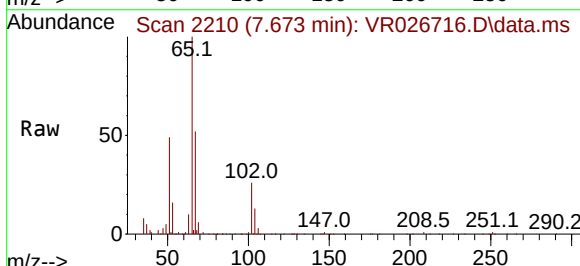
Acq: 6 Aug 2025 14:50

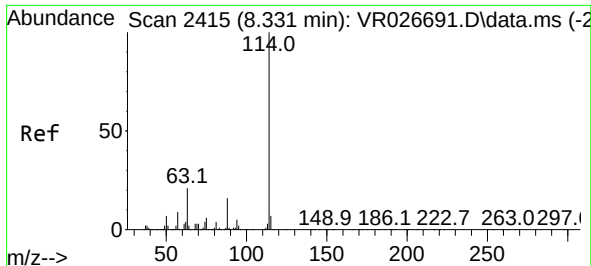
Tgt Ion: 65 Resp: 224150

Ion Ratio Lower Upper

65 100

67 60.4 0.0 118.4





#33

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.318 min Scan# 2415

Delta R.T. -0.013 min

Lab File: VR026716.D

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Instrument :

MSVOA_R

ClientSampleId :

VR0806WBL02

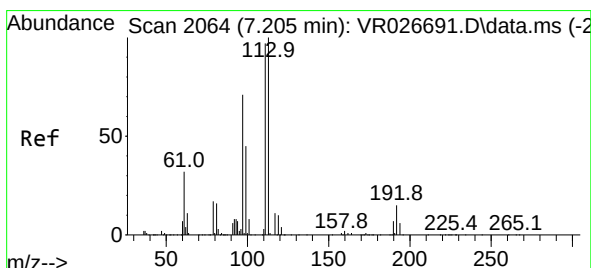
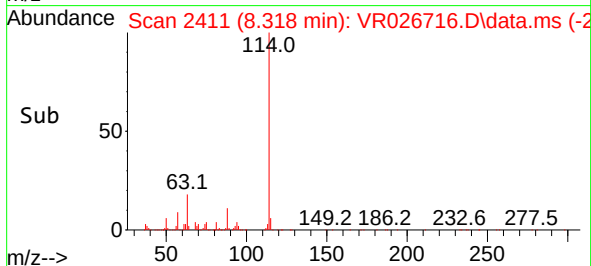
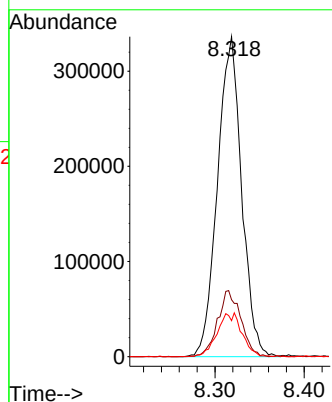
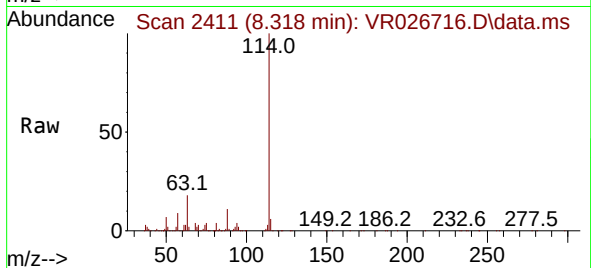
Tgt Ion:114 Resp: 632131

Ion Ratio Lower Upper

114 100

63 17.8 0.0 41.6

88 11.2 0.0 32.6



#34

Dibromofluoromethane

Concen: 47.207 ug/l

RT: 7.192 min Scan# 2060

Delta R.T. -0.013 min

Lab File: VR026716.D

Acq: 6 Aug 2025 14:50

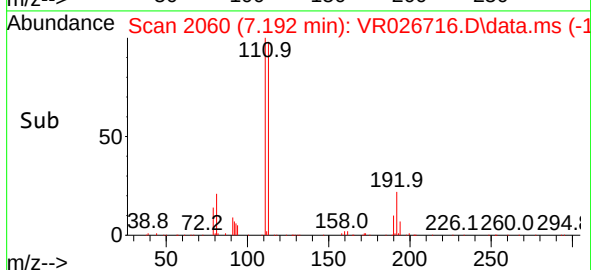
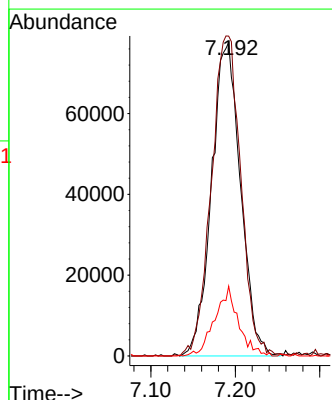
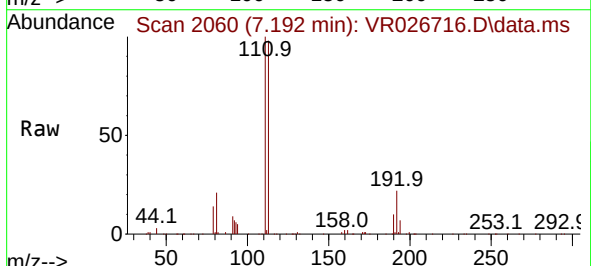
Tgt Ion:113 Resp: 184569

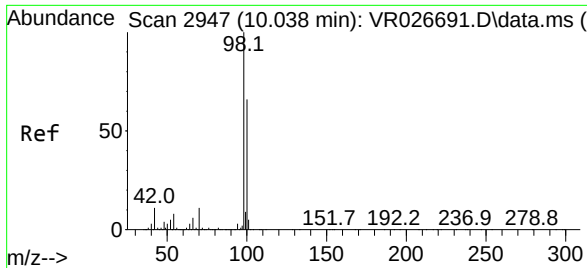
Ion Ratio Lower Upper

113 100

111 104.0 81.7 122.5

192 18.1 12.3 18.5

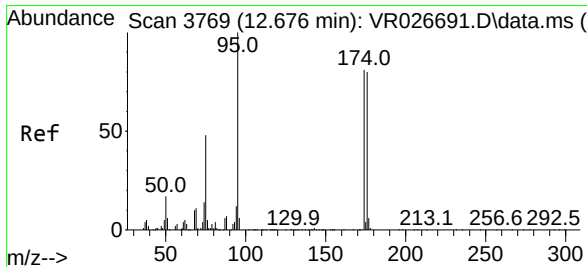
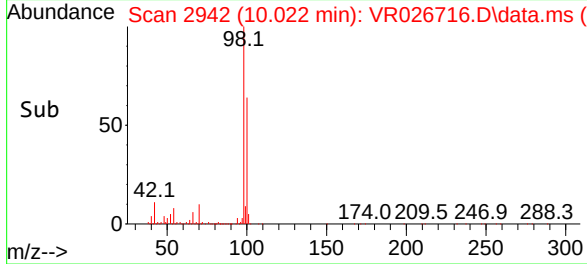
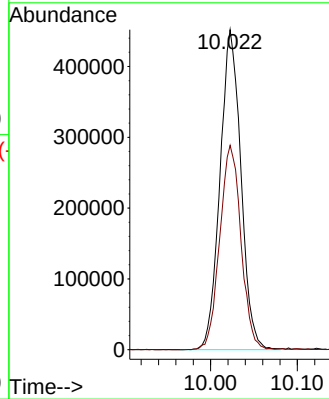
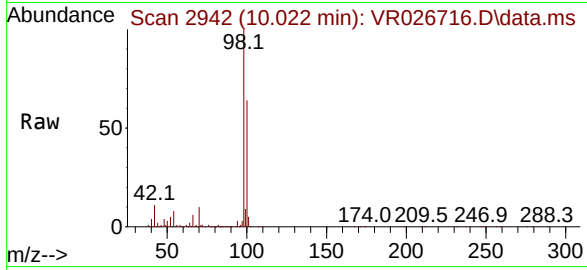




#49
Toluene-d8
Concen: 53.952 ug/l
RT: 10.022 min Scan# 2942
Delta R.T. -0.016 min
Lab File: VR026716.D
Acq: 6 Aug 2025 14:50

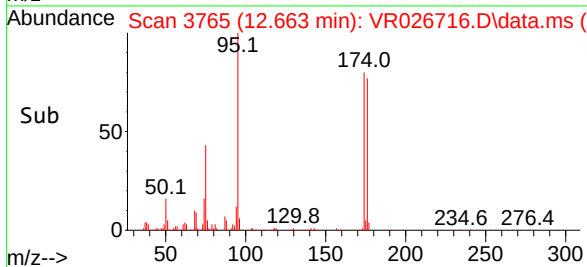
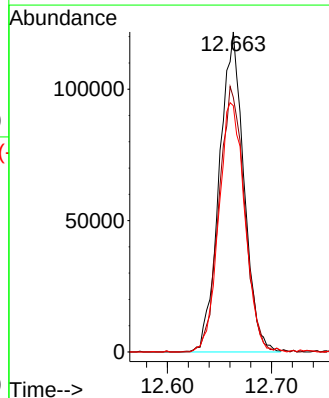
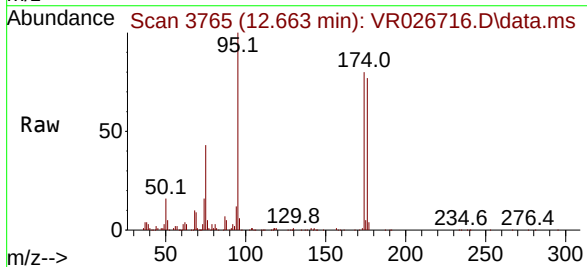
Instrument :
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VR0806WBL02

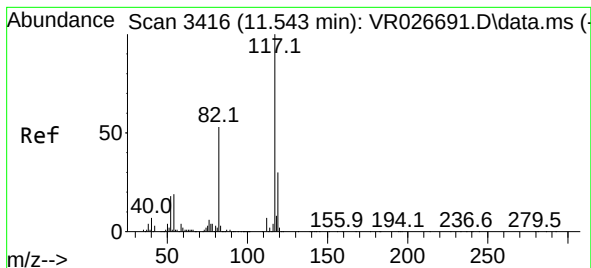
Tgt Ion: 98 Resp: 755731
Ion Ratio Lower Upper
98 100
100 64.8 53.9 80.9



#61
4-Bromofluorobenzene
Concen: 50.119 ug/l
RT: 12.663 min Scan# 3765
Delta R.T. -0.013 min
Lab File: VR026716.D
Acq: 6 Aug 2025 14:50

Tgt Ion: 95 Resp: 199679
Ion Ratio Lower Upper
95 100
174 86.6 0.0 158.4
176 82.4 0.0 149.0





#62

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.524 min Scan# 3410

Delta R.T. -0.019 min

Lab File: VR026716.D

Acq: 6 Aug 2025 14:50

Instrument :

MSVOA_R

ClientSampleId :

VR0806WBL02

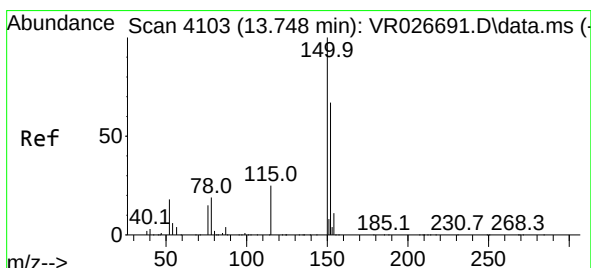
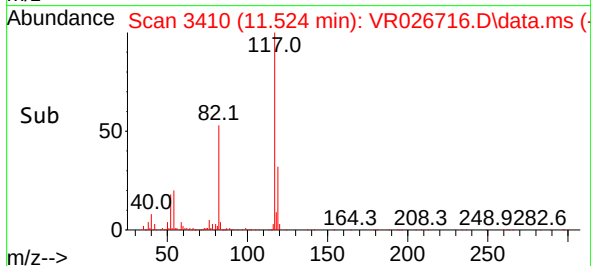
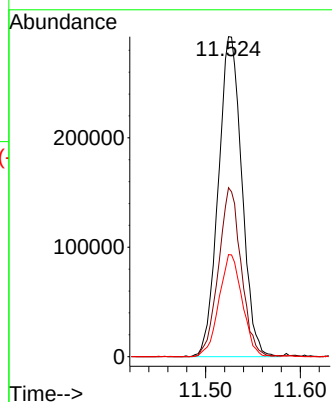
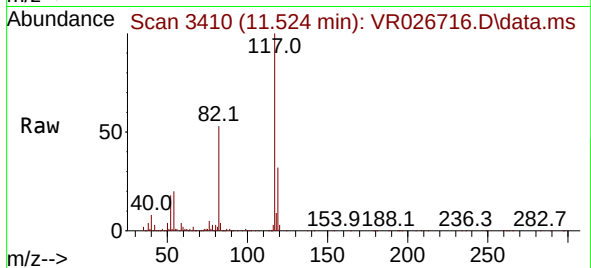
Tgt Ion:117 Resp: 505158

Ion Ratio Lower Upper

117 100

82 52.8 42.0 63.0

119 31.9 23.9 35.9



#71

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.729 min Scan# 4097

Delta R.T. -0.019 min

Lab File: VR026716.D

Acq: 6 Aug 2025 14:50

Tgt Ion:152 Resp: 234605

Ion Ratio Lower Upper

152 100

115 52.5 27.8 83.4

150 152.9 0.0 350.4

