

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR081125\
 Data File : VR026738.D
 Acq On : 11 Aug 2025 14:42
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VIBLK

Quant Time: Aug 12 02:48:58 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	7.301	168	289861	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.328	114	528523	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.544	117	416063	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.745	152	193086	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.693	65	178692	48.707	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.420%
34) Dibromofluoromethane	7.199	113	146781	44.901	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.800%
49) Toluene-d8	10.035	98	598149	51.074	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.140%
61) 4-Bromofluorobenzene	12.673	95	153357	46.038	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.080%

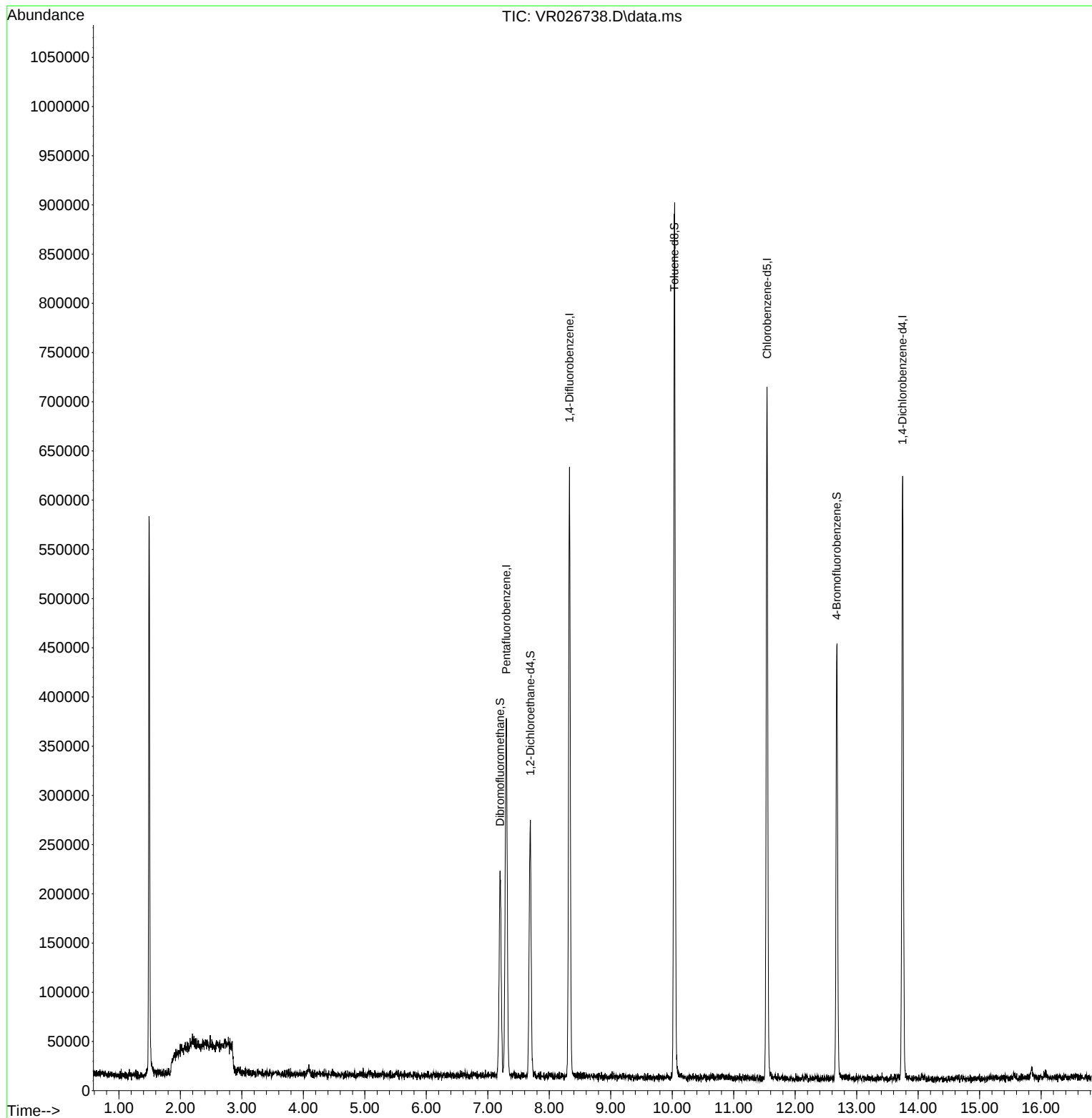
Target Compounds	Qvalue

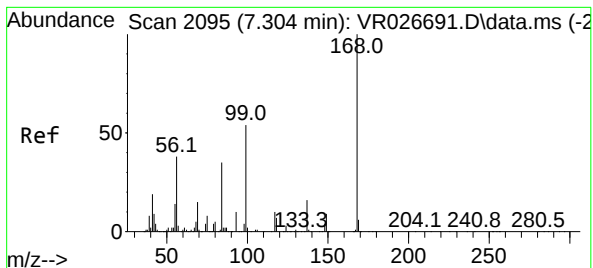
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.301 min Scan# 2094

Delta R.T. -0.003 min

Lab File: VR026738.D

Acq: 11 Aug 2025 14:42

Instrument :

MSVOA_R

ClientSampleId :

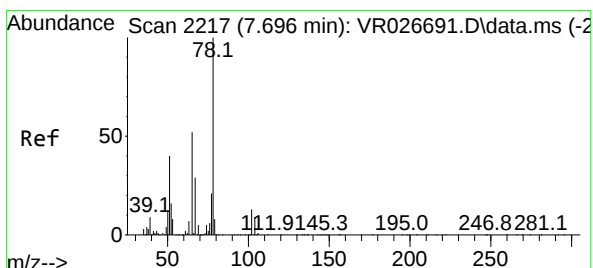
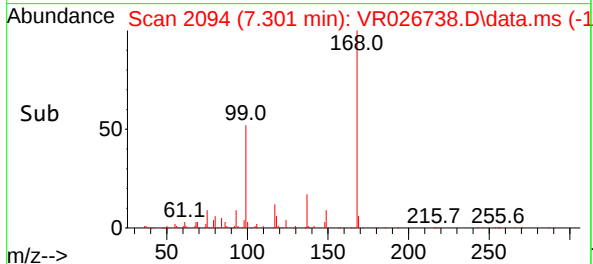
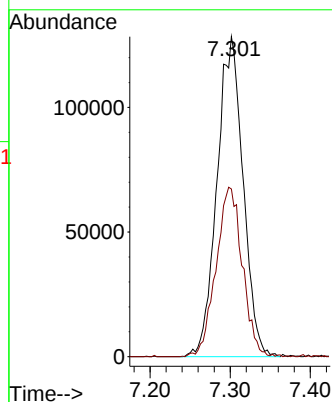
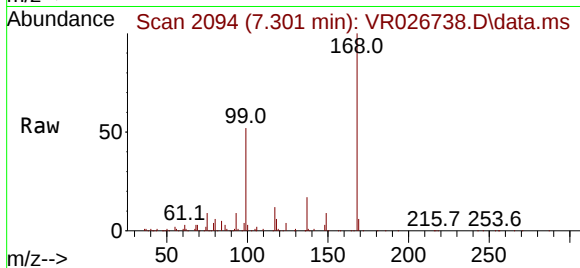
VIBLK

Tgt Ion:168 Resp: 289861

Ion Ratio Lower Upper

168 100

99 52.3 43.8 65.8



#32

1,2-Dichloroethane-d4

Concen: 48.707 ug/l

RT: 7.693 min Scan# 2216

Delta R.T. -0.003 min

Lab File: VR026738.D

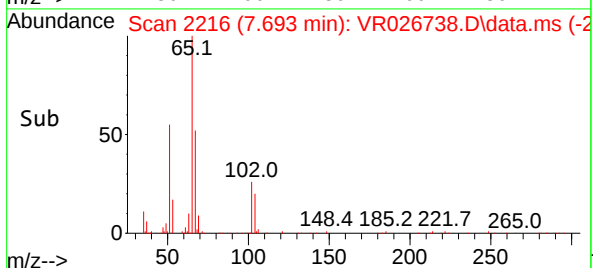
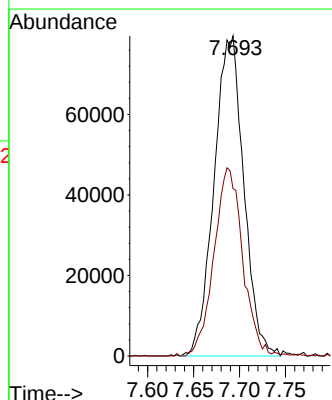
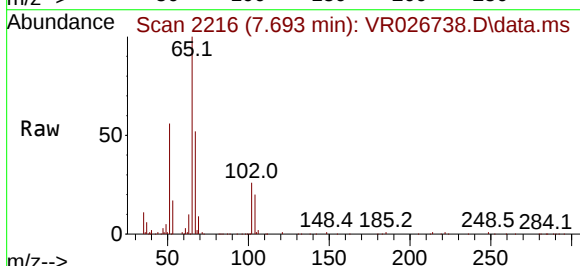
Acq: 11 Aug 2025 14:42

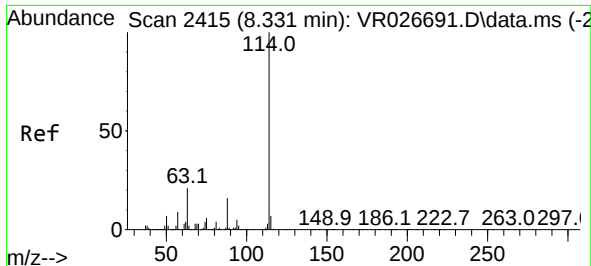
Tgt Ion: 65 Resp: 178692

Ion Ratio Lower Upper

65 100

67 56.6 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: VR026738.D

Acq: 11 Aug 2025 14:42

Instrument :

MSVOA_R

ClientSampleId :

VIBLK

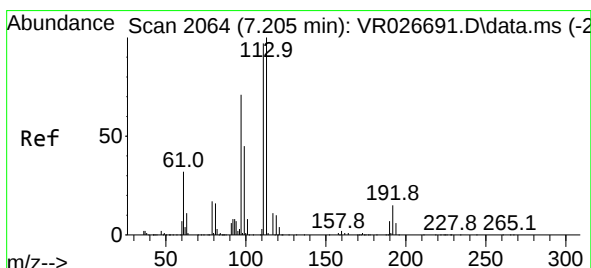
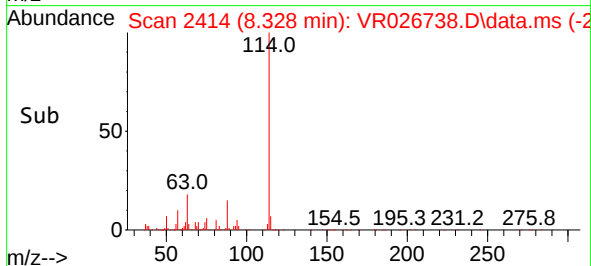
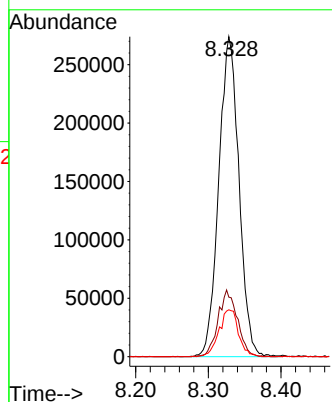
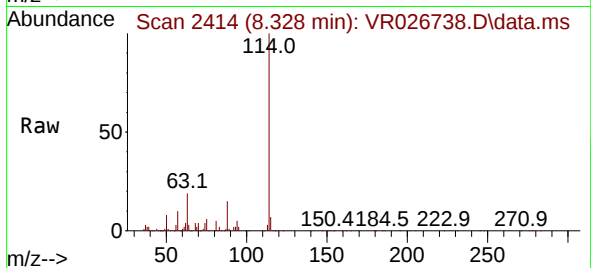
Tgt Ion:114 Resp: 528523

Ion Ratio Lower Upper

114 100

63 18.6 0.0 41.6

88 14.7 0.0 32.6



#34

Dibromofluoromethane

Concen: 44.901 ug/l

RT: 7.199 min Scan# 2062

Delta R.T. -0.006 min

Lab File: VR026738.D

Acq: 11 Aug 2025 14:42

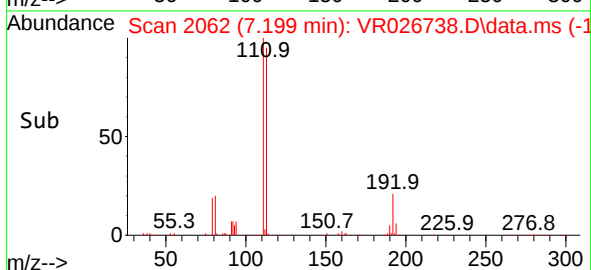
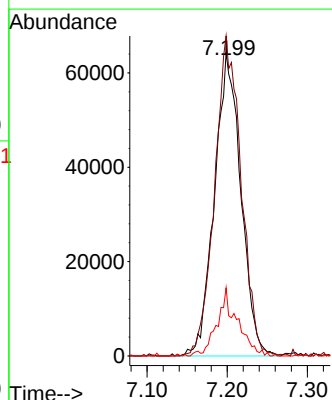
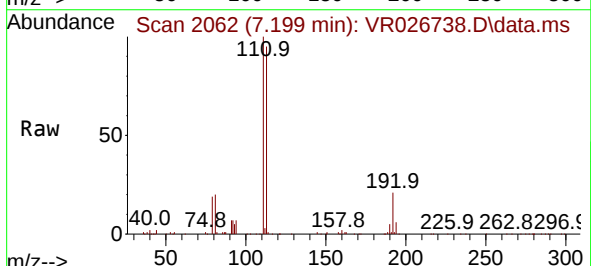
Tgt Ion:113 Resp: 146781

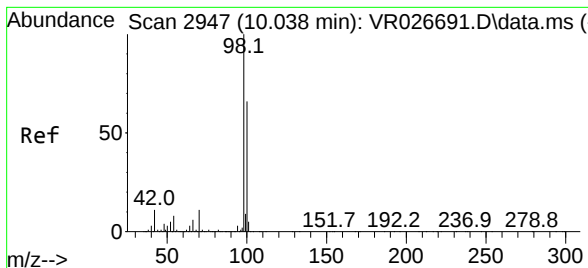
Ion Ratio Lower Upper

113 100

111 105.7 81.7 122.5

192 16.9 12.3 18.5





#49

Toluene-d8

Concen: 51.074 ug/l

RT: 10.035 min Scan# 2946

Delta R.T. -0.003 min

Lab File: VR026738.D

Acq: 11 Aug 2025 14:42

Instrument :

MSVOA_R

ClientSampleId :

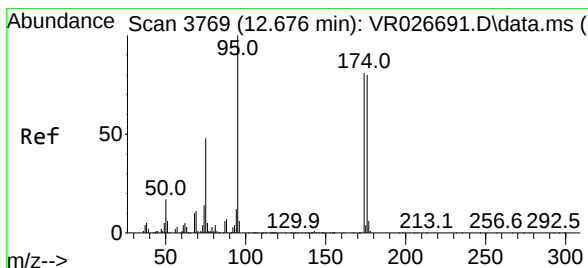
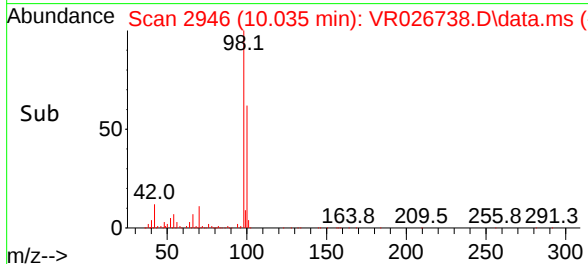
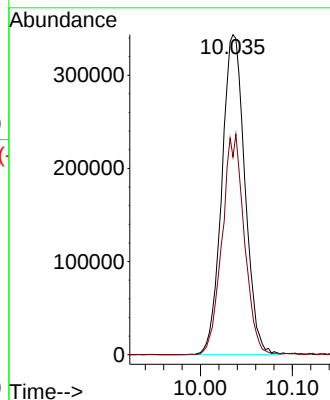
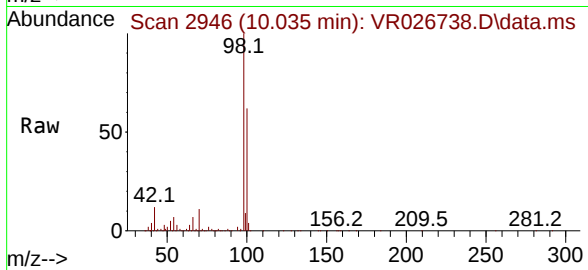
VIBLK

Tgt Ion: 98 Resp: 598149

Ion Ratio Lower Upper

98 100

100 66.4 53.9 80.9



#61

4-Bromofluorobenzene

Concen: 46.038 ug/l

RT: 12.673 min Scan# 3768

Delta R.T. -0.003 min

Lab File: VR026738.D

Acq: 11 Aug 2025 14:42

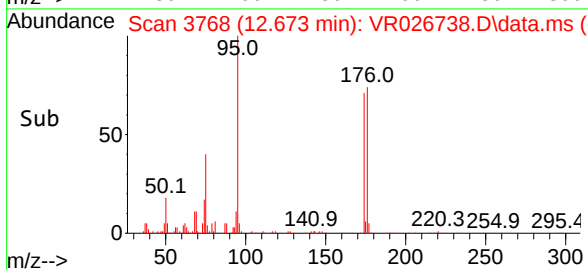
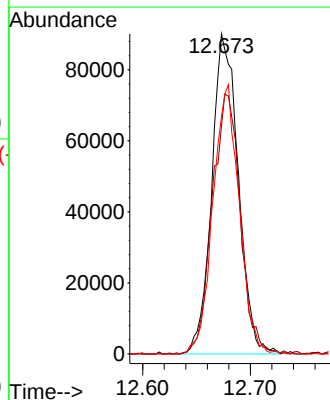
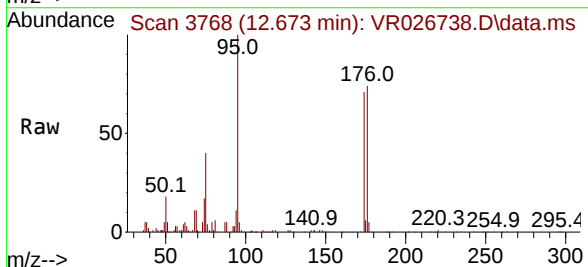
Tgt Ion: 95 Resp: 153357

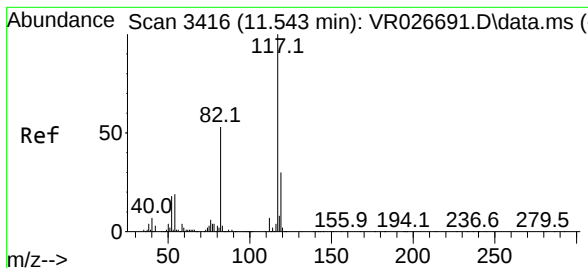
Ion Ratio Lower Upper

95 100

174 86.6 0.0 158.4

176 83.7 0.0 149.0





#62

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.544 min Scan# 3416

Delta R.T. 0.000 min

Lab File: VR026738.D

Acq: 11 Aug 2025 14:42

Instrument :

MSVOA_R

ClientSampleId :

VIBLK

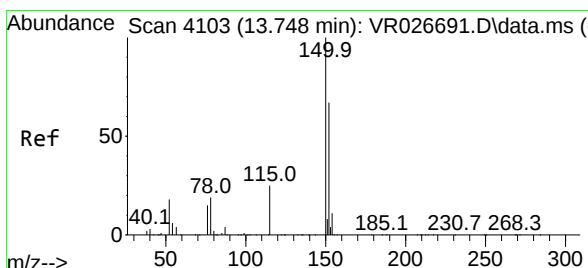
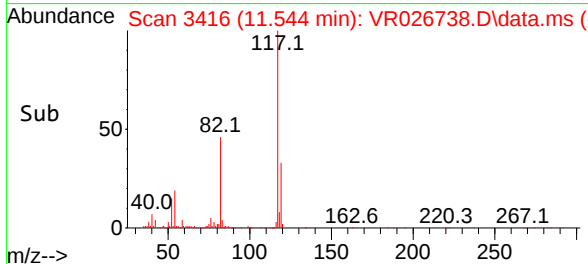
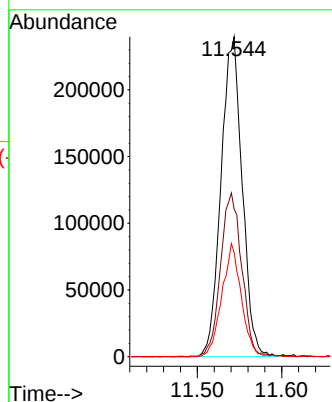
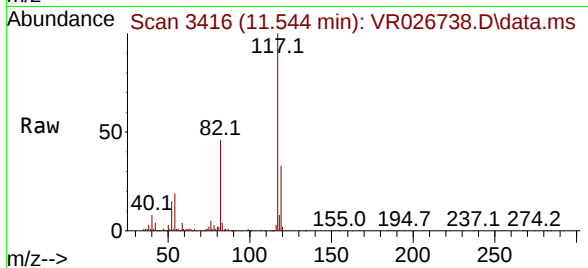
Tgt Ion:117 Resp: 416063

Ion Ratio Lower Upper

117 100

82 46.0 42.0 63.0

119 32.6 23.9 35.9



#71

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.745 min Scan# 4102

Delta R.T. -0.003 min

Lab File: VR026738.D

Acq: 11 Aug 2025 14:42

Tgt Ion:152 Resp: 193086

Ion Ratio Lower Upper

152 100

115 50.9 27.8 83.4

150 154.7 0.0 350.4

