

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080425\
 Data File : VR026693.D
 Acq On : 4 Aug 2025 12:53
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VIBLK

Quant Time: Aug 05 02:30:53 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	7.305	168	2785205	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.331	114	4724174	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.540	117	3545612	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.745	152	1706291	50.000	ug/l	0.00

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.696	65	1615533	45.829	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.660%
34) Dibromofluoromethane	7.208	113	1461793	50.028	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.060%
49) Toluene-d8	10.039	98	4840013	46.235	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.480%
61) 4-Bromofluorobenzene	12.676	95	1567933	52.660	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.320%

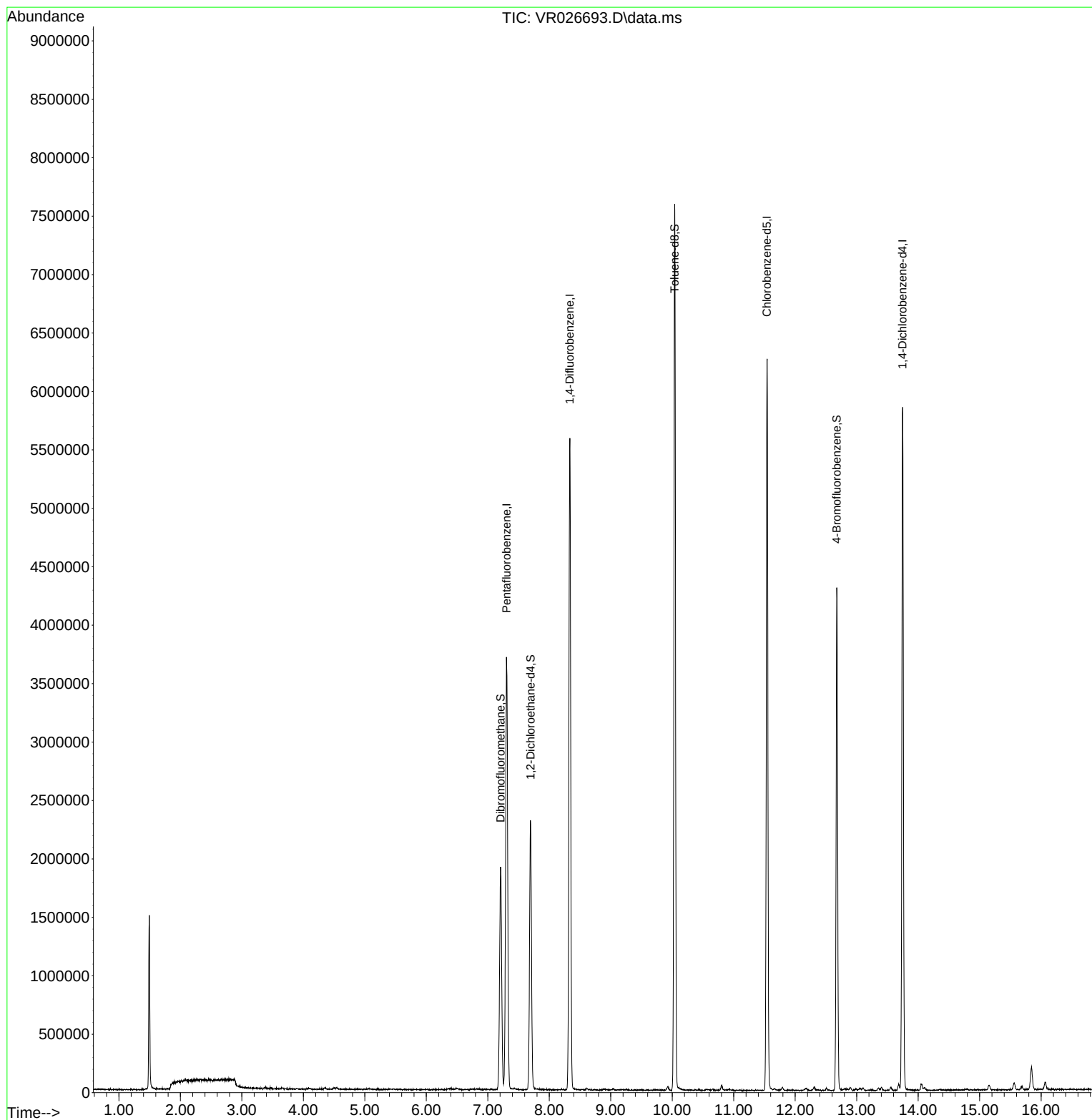
Target Compounds	Qvalue

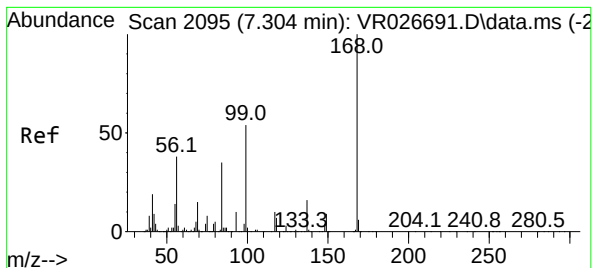
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.305 min Scan# 2095

Delta R.T. 0.001 min

Lab File: VR026693.D

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ClientSampleId :

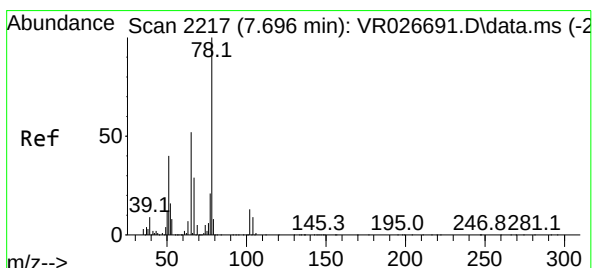
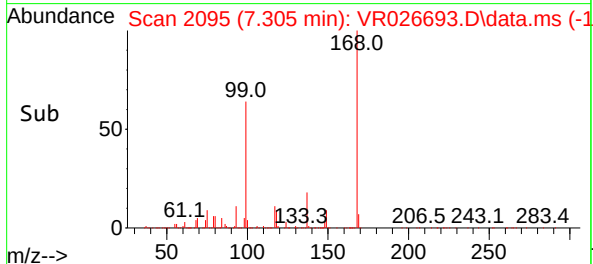
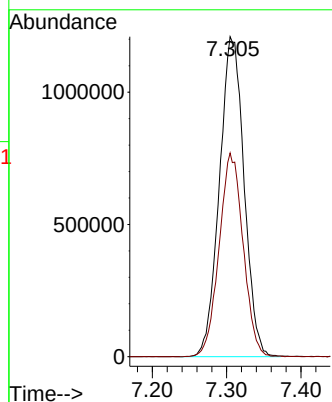
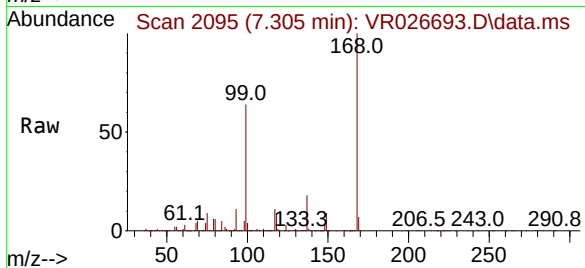
VIBLK

Tgt Ion:168 Resp: 2785205

Ion Ratio Lower Upper

168 100

99 63.6 43.8 65.8



#32

1,2-Dichloroethane-d4

Concen: 45.829 ug/l

RT: 7.696 min Scan# 2217

Delta R.T. 0.000 min

Lab File: VR026693.D

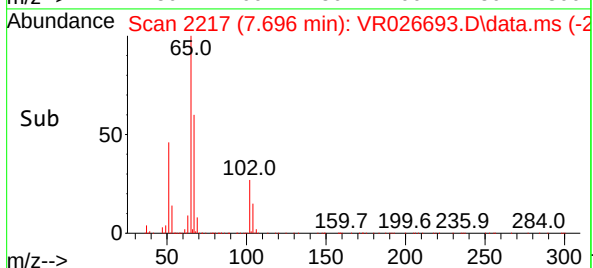
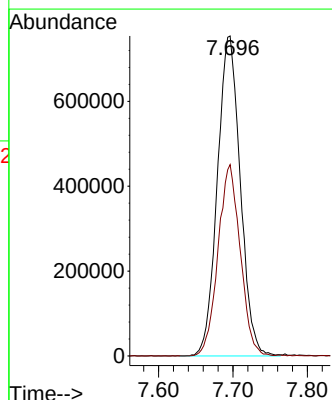
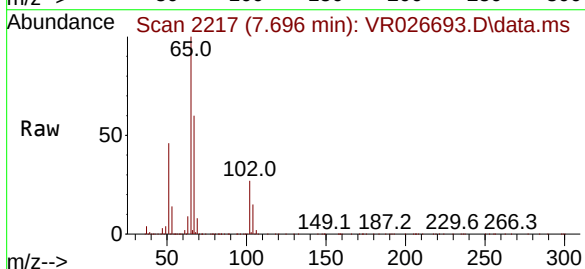
Acq: 4 Aug 2025 12:53

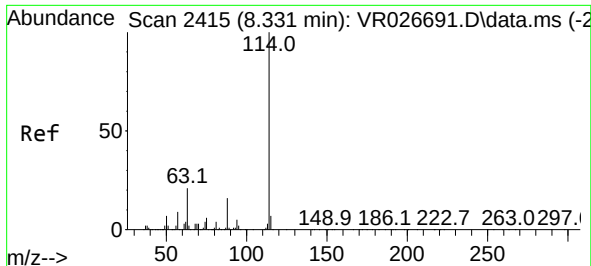
Tgt Ion: 65 Resp: 1615533

Ion Ratio Lower Upper

65 100

67 58.0 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: VR026693.D

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ClientSampleId :

VIBLK

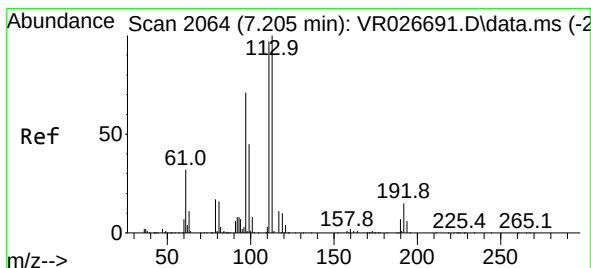
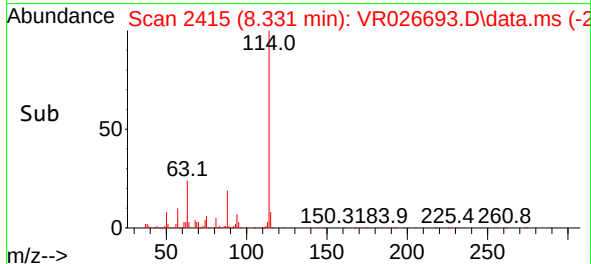
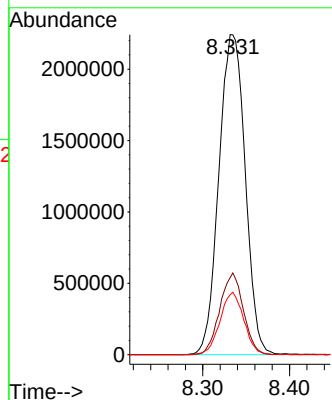
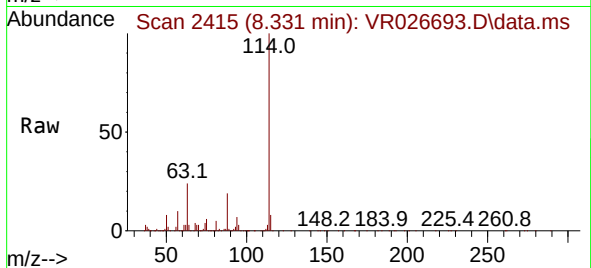
Tgt Ion:114 Resp: 4724174

Ion Ratio Lower Upper

114 100

63 24.0 0.0 41.6

88 18.7 0.0 32.6



#34

Dibromofluoromethane

Concen: 50.028 ug/l

RT: 7.208 min Scan# 2065

Delta R.T. 0.003 min

Lab File: VR026693.D

Acq: 4 Aug 2025 12:53

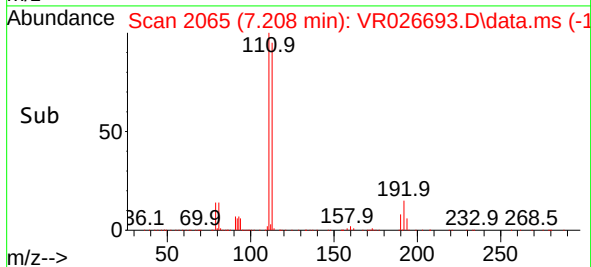
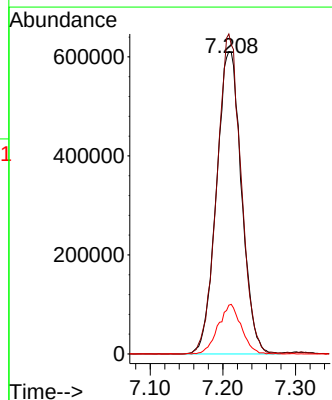
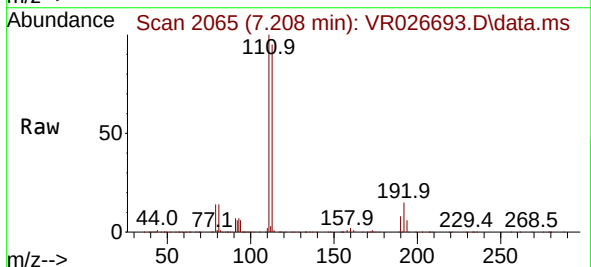
Tgt Ion:113 Resp: 1461793

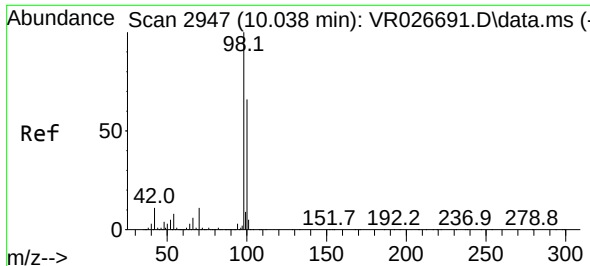
Ion Ratio Lower Upper

113 100

111 102.1 81.7 122.5

192 15.1 12.3 18.5

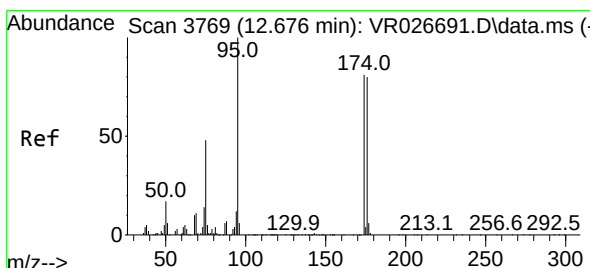
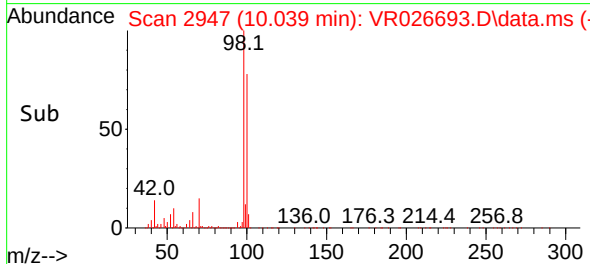
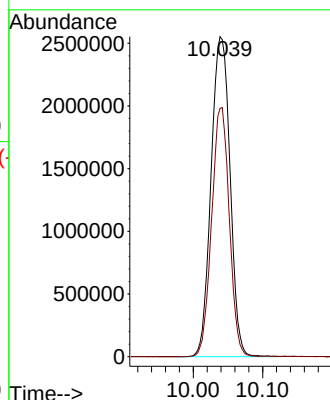
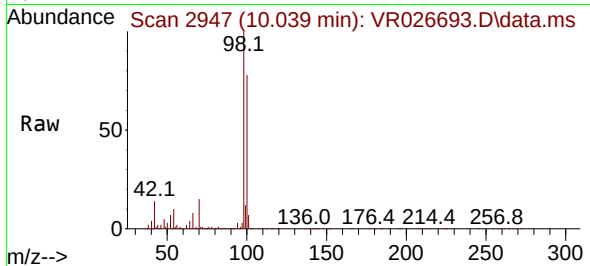




#49
Toluene-d8
Concen: 46.235 ug/l
RT: 10.039 min Scan# 2947
Delta R.T. 0.000 min
Lab File: VR026693.D
Acq: 4 Aug 2025 12:53

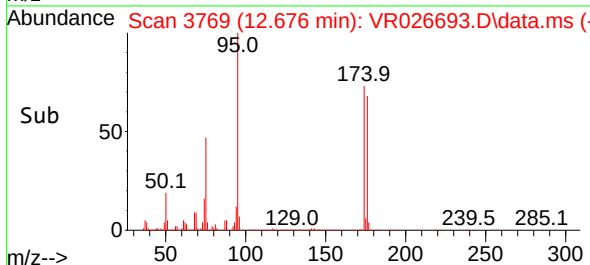
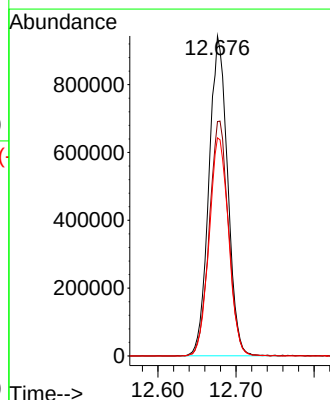
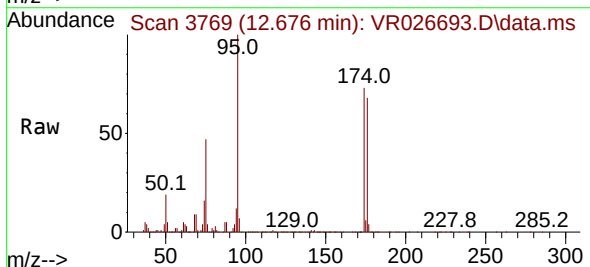
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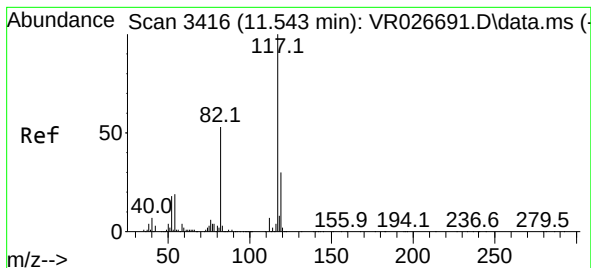
Tgt Ion: 98 Resp: 4840013
Ion Ratio Lower Upper
98 100
100 72.5 53.9 80.9



#61
4-Bromofluorobenzene
Concen: 52.660 ug/l
RT: 12.676 min Scan# 3769
Delta R.T. 0.000 min
Lab File: VR026693.D
Acq: 4 Aug 2025 12:53

Tgt Ion: 95 Resp: 1567933
Ion Ratio Lower Upper
95 100
174 75.3 0.0 158.4
176 71.0 0.0 149.0





#62

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.540 min Scan# 3415

Delta R.T. -0.003 min

Lab File: VR026693.D

Acq: 4 Aug 2025 12:53

Instrument :

MSVOA_R

ClientSampleId :

VIBLK

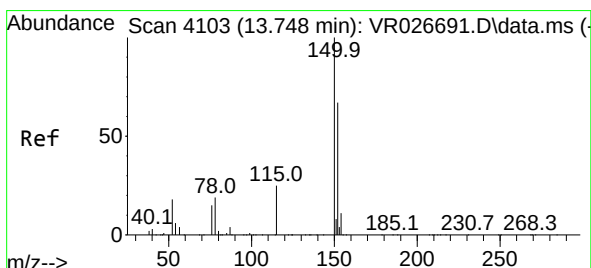
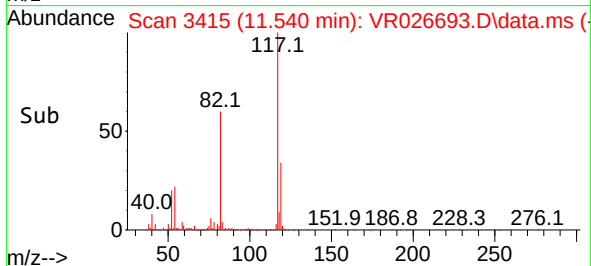
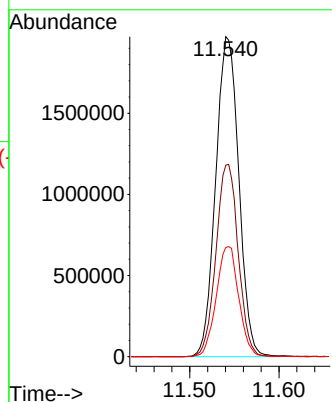
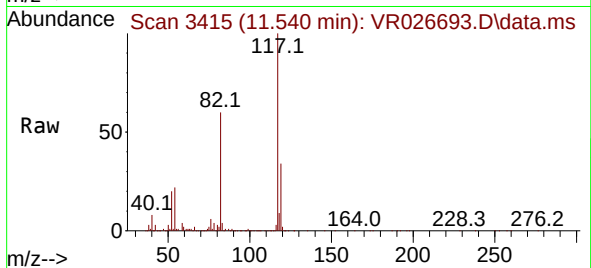
Tgt Ion:117 Resp: 3545612

Ion Ratio Lower Upper

117 100

82 59.8 42.0 63.0

119 34.1 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: VR026693.D

Acq: 4 Aug 2025 12:53

Tgt Ion:152 Resp: 1706291

Ion Ratio Lower Upper

152 100

115 56.4 27.8 83.4

150 156.9 0.0 350.4

