

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
 Data File : VX048539.D
 Acq On : 10 Nov 2025 15:06
 Operator : JC/MD
 Sample : Q3584-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-3

Quant Time: Nov 11 00:47:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.538	168	166567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	331464	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	343876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	201653	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	121885	52.514	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.020%
35) Dibromofluoromethane	5.379	113	110982	44.238	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.480%
50) Toluene-d8	8.635	98	384880	49.190	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.380%
62) 4-Bromofluorobenzene	11.061	95	175272	60.110	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	120.220%

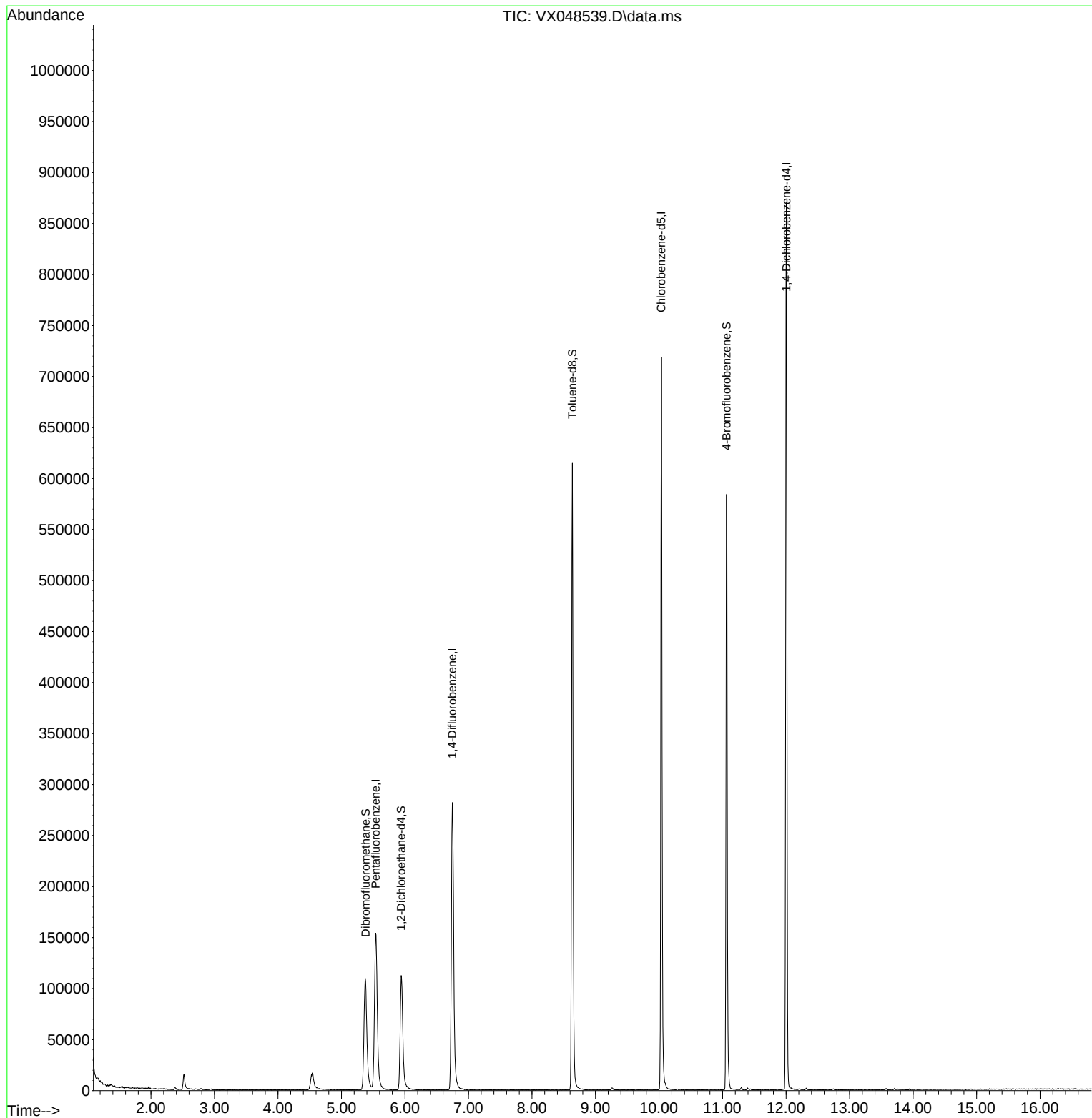
Target Compounds	Qvalue

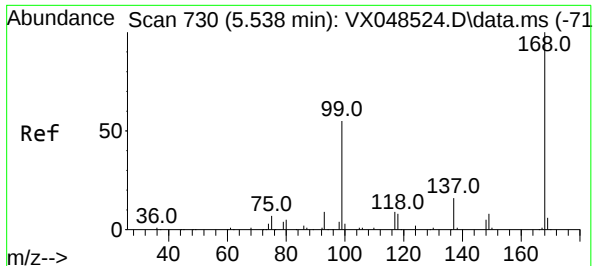
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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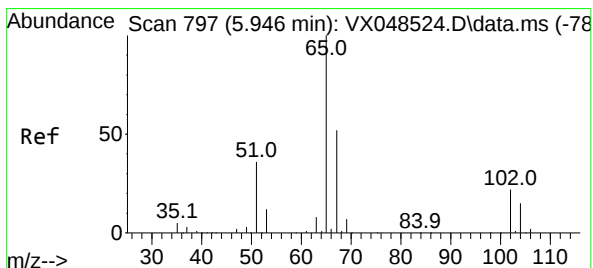
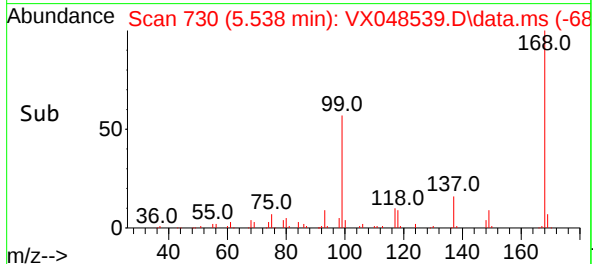
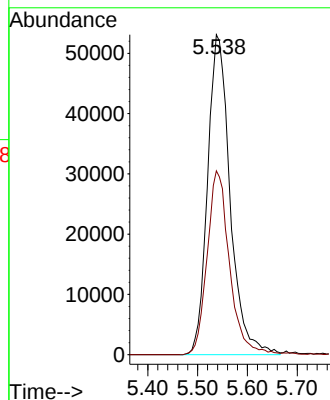
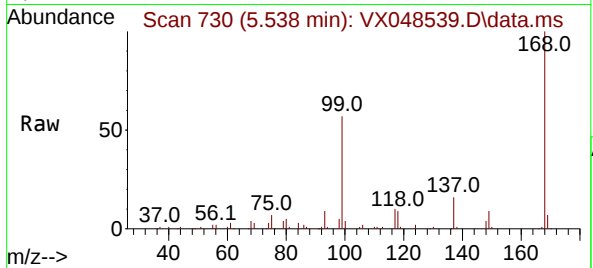




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048539.D
Acq: 10 Nov 2025 15:06

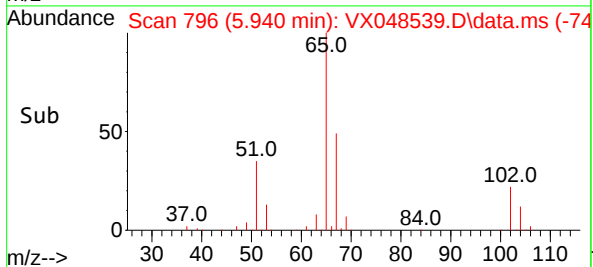
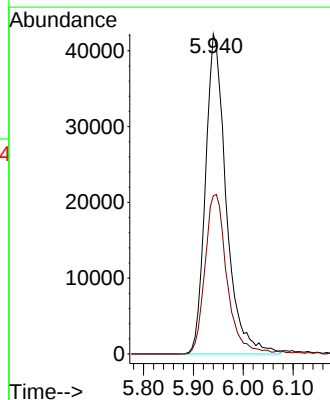
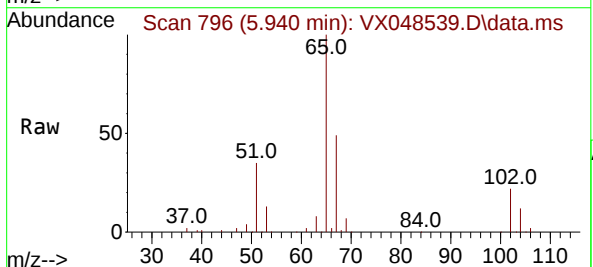
Instrument :
MSVOA_X
ClientSampleId :
TB-3

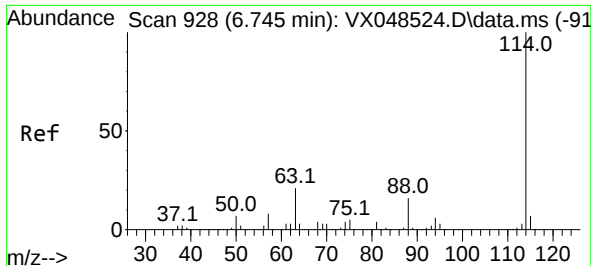
Tgt Ion:168 Resp: 166567
Ion Ratio Lower Upper
168 100
99 57.5 45.2 67.8



#33
1,2-Dichloroethane-d4
Concen: 52.514 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.006 min
Lab File: VX048539.D
Acq: 10 Nov 2025 15:06

Tgt Ion: 65 Resp: 121885
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.2

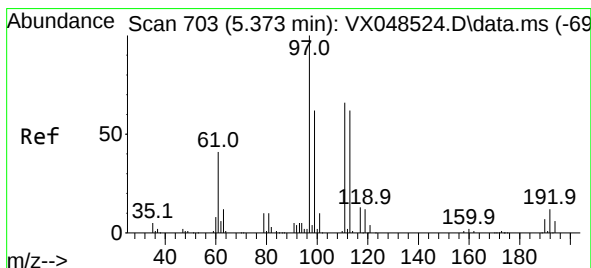
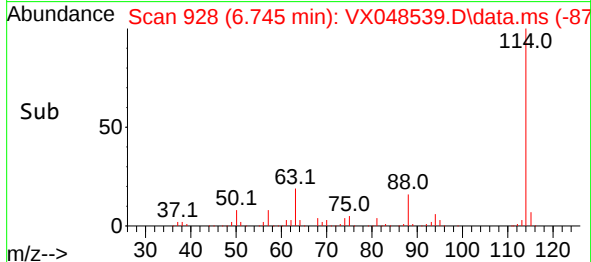
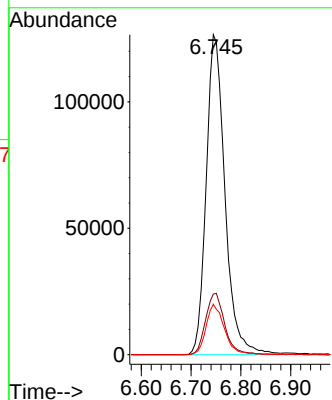
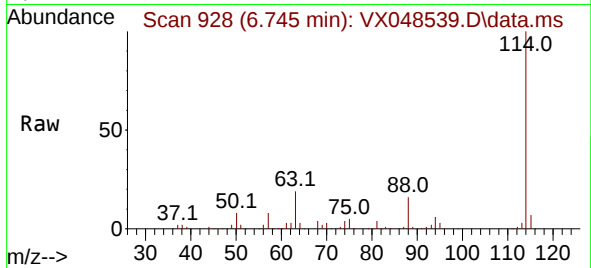




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048539.D
Acq: 10 Nov 2025 15:06

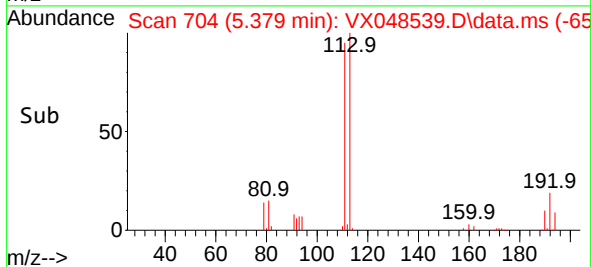
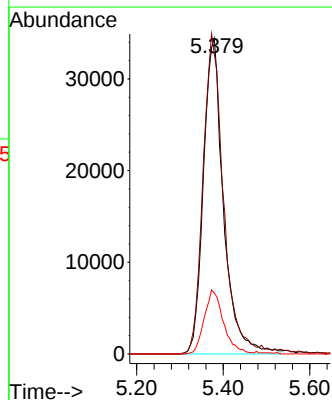
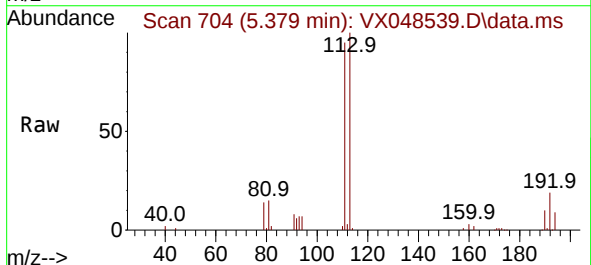
Instrument :
MSVOA_X
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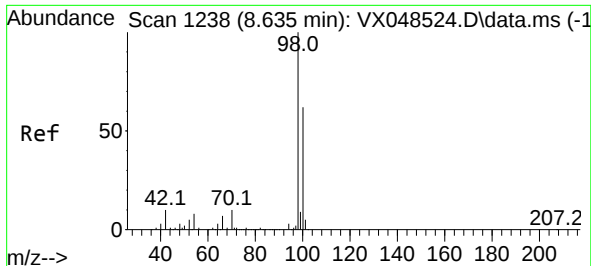
Tgt Ion:114 Resp: 331464
Ion Ratio Lower Upper
114 100
63 19.0 0.0 41.2
88 15.8 0.0 32.2



#35
Dibromofluoromethane
Concen: 44.238 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048539.D
Acq: 10 Nov 2025 15:06

Tgt Ion:113 Resp: 110982
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 19.5 15.8 23.6

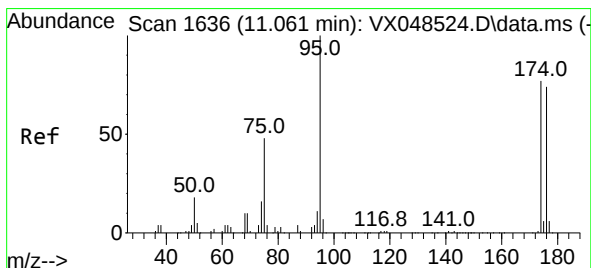
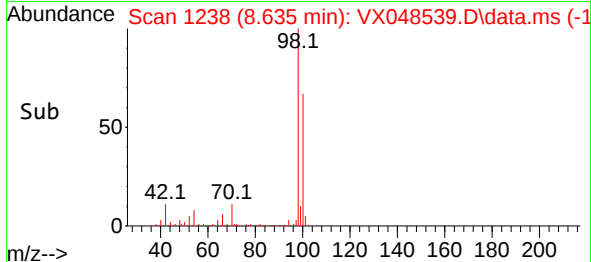
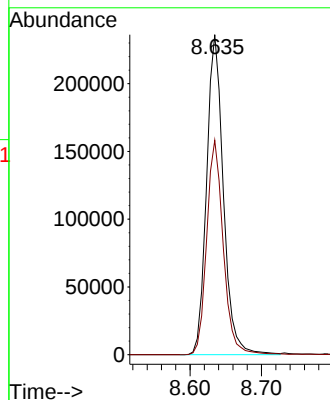
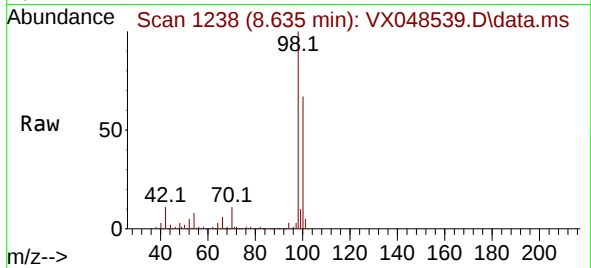




#50
Toluene-d8
Concen: 49.190 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048539.D
Acq: 10 Nov 2025 15:06

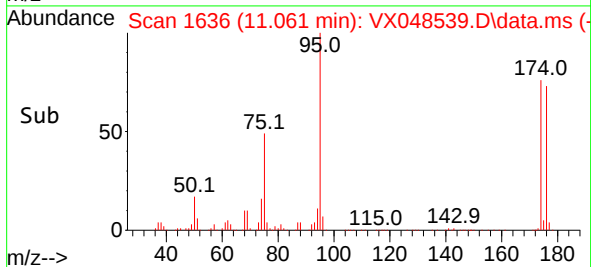
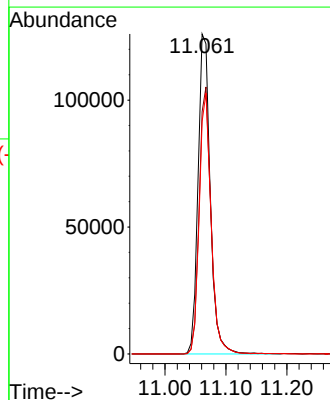
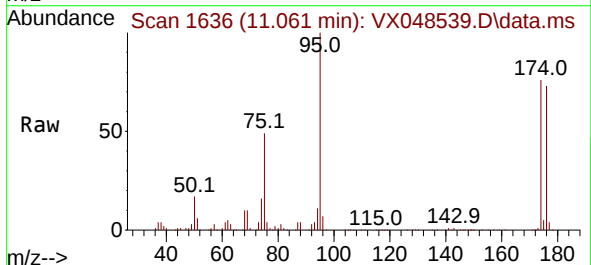
Instrument :
MSVOA_X
ClientSampleId :
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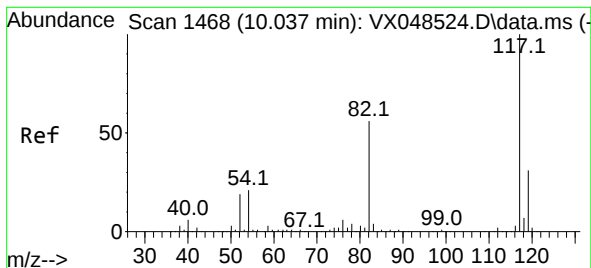
Tgt Ion: 98 Resp: 384880
Ion Ratio Lower Upper
98 100
100 66.3 53.6 80.4



#62
4-Bromofluorobenzene
Concen: 60.110 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048539.D
Acq: 10 Nov 2025 15:06

Tgt Ion: 95 Resp: 175272
Ion Ratio Lower Upper
95 100
174 81.0 0.0 161.8
176 79.5 0.0 153.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048539.D

Acq: 10 Nov 2025 15:06

Instrument :

MSVOA_X

ClientSampleId :

TB-3

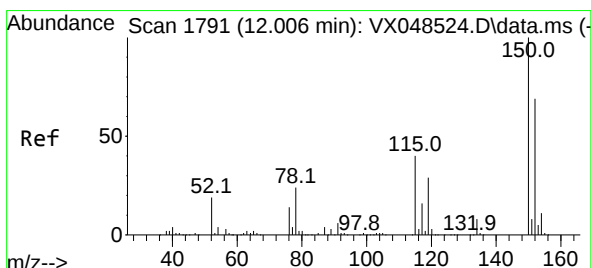
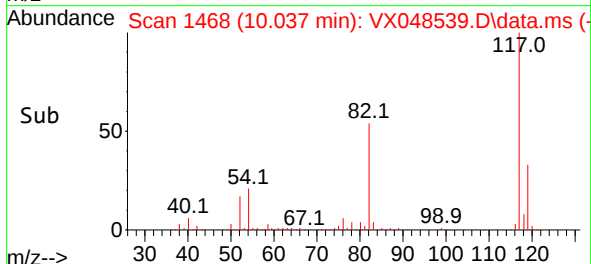
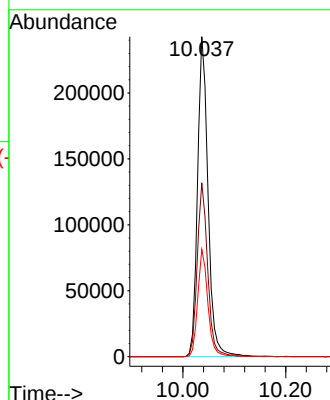
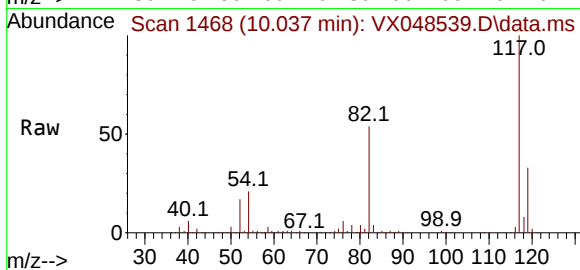
Tgt Ion:117 Resp: 343876

Ion Ratio Lower Upper

117 100

82 54.4 44.4 66.6

119 33.5 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048539.D

Acq: 10 Nov 2025 15:06

Tgt Ion:152 Resp: 201653

Ion Ratio Lower Upper

152 100

115 57.6 39.2 117.6

150 154.9 0.0 347.0

