

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103125\
 Data File : VX048438.D
 Acq On : 31 Oct 2025 17:12
 Operator : JC/MD
 Sample : Q3508-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Quant Time: Oct 31 23:08:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 30 02:37:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	113998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	232735	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	258732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	118147	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	92438	56.383	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	112.760%
35) Dibromofluoromethane	5.373	113	66728	50.288	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.580%
50) Toluene-d8	8.635	98	296613	50.640	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.280%
62) 4-Bromofluorobenzene	11.061	95	133173	60.779	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	121.560%

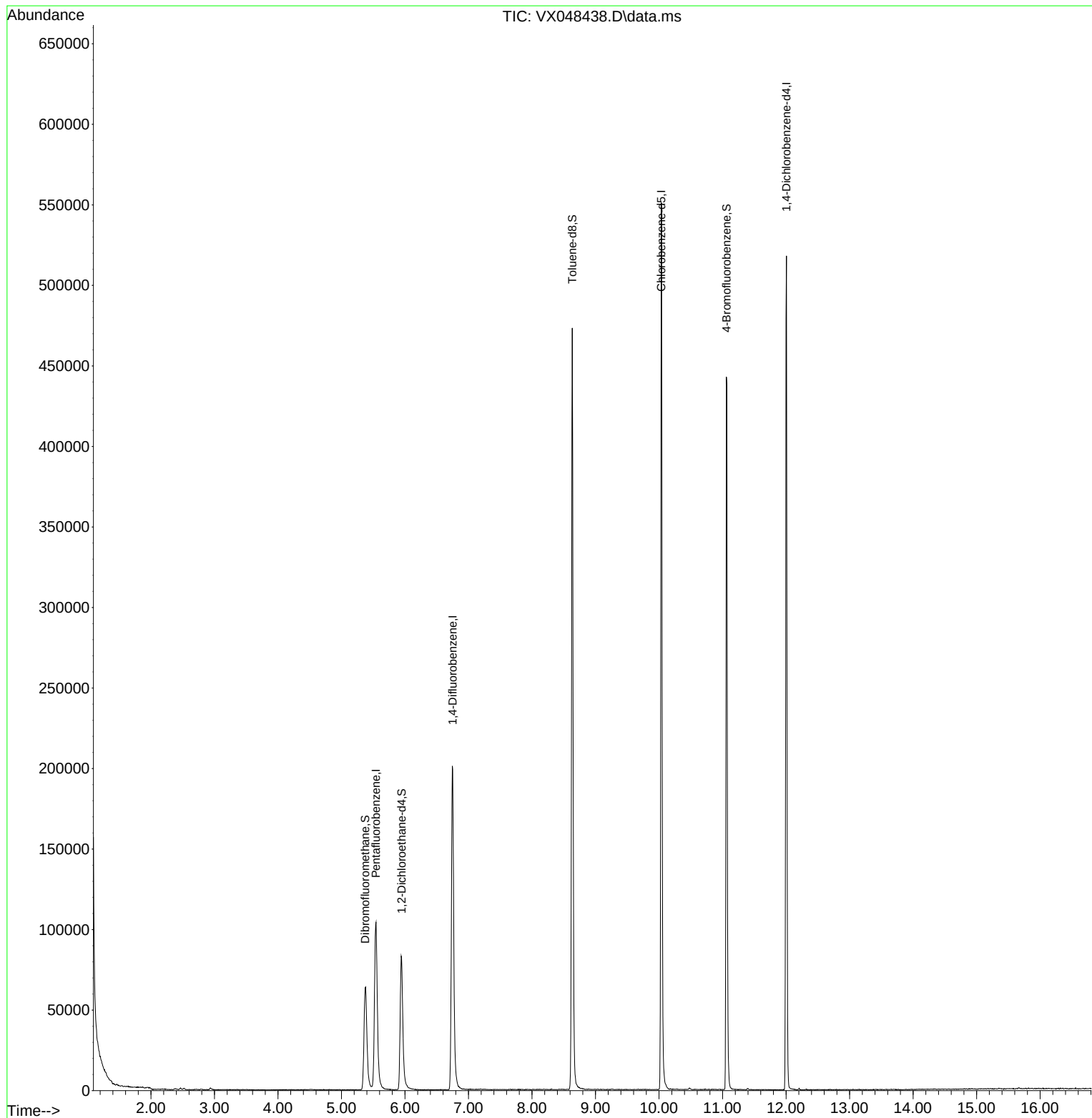
Target Compounds	Qvalue

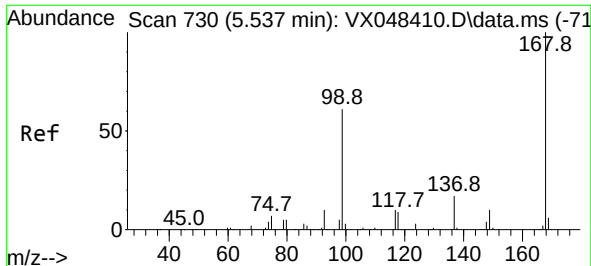
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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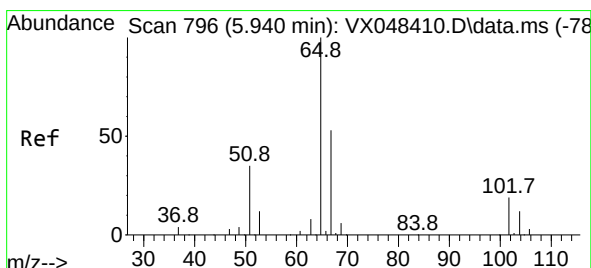
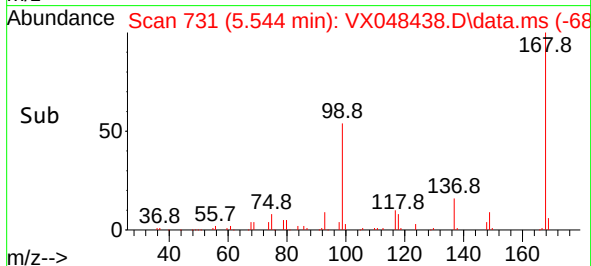
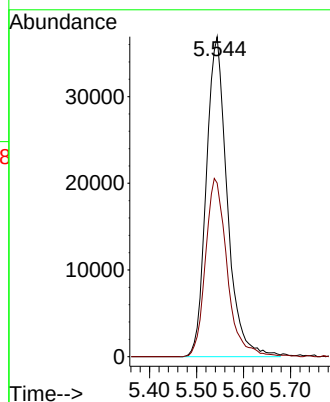
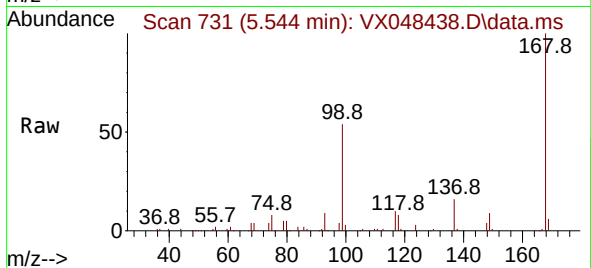




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX048438.D
Acq: 31 Oct 2025 17:12

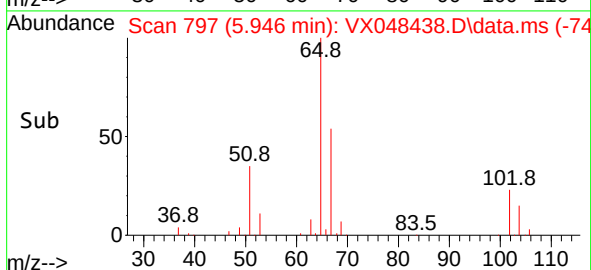
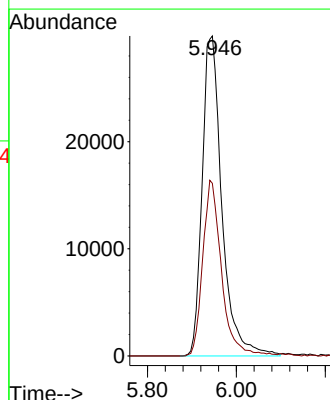
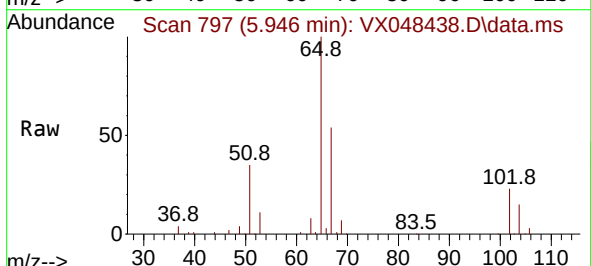
Instrument :
MSVOA_X
ClientSampleId :
TB

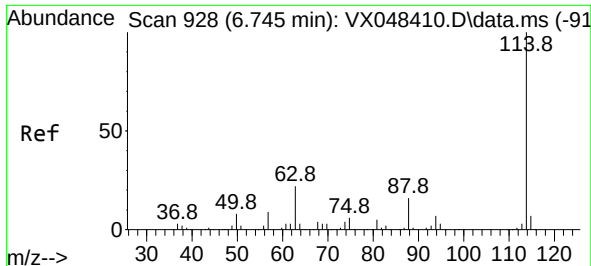
Tgt Ion:168 Resp: 113998
Ion Ratio Lower Upper
168 100
99 54.3 46.4 69.6



#33
1,2-Dichloroethane-d4
Concen: 56.383 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048438.D
Acq: 31 Oct 2025 17:12

Tgt Ion: 65 Resp: 92438
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX048438.D

Acq: 31 Oct 2025 17:12

Instrument :

MSVOA_X

ClientSampleId :

TB

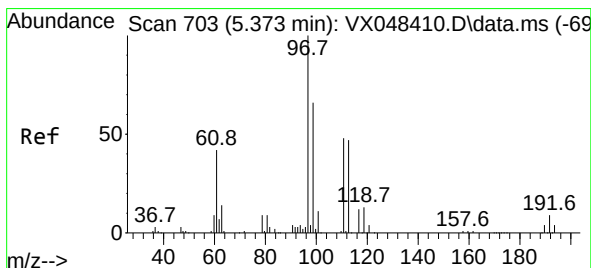
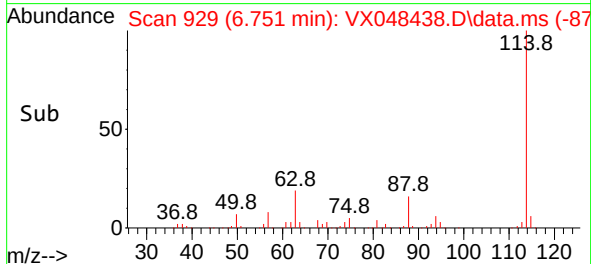
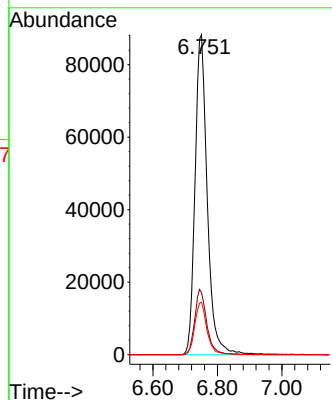
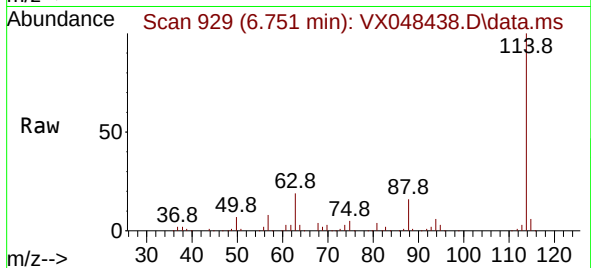
Tgt Ion:114 Resp: 232735

Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.2

88 16.4 0.0 33.6



#35

Dibromofluoromethane

Concen: 50.288 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX048438.D

Acq: 31 Oct 2025 17:12

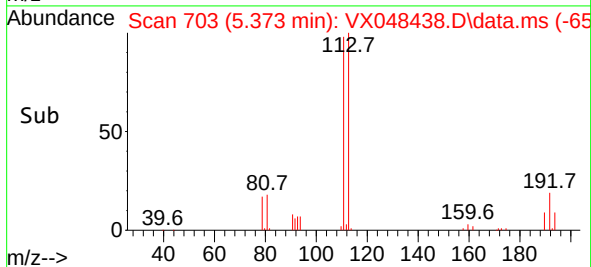
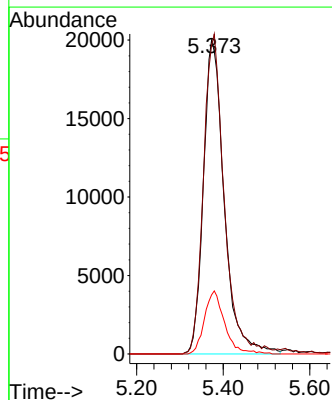
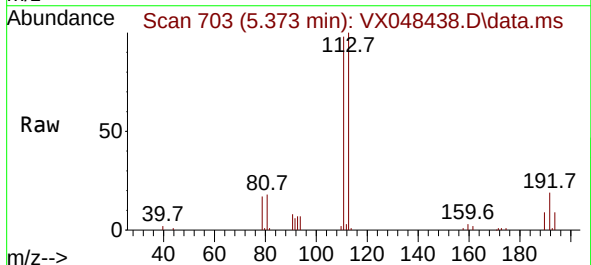
Tgt Ion:113 Resp: 66728

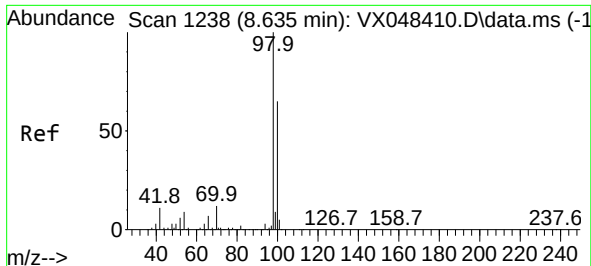
Ion Ratio Lower Upper

113 100

111 100.6 82.2 123.4

192 19.5 15.1 22.7

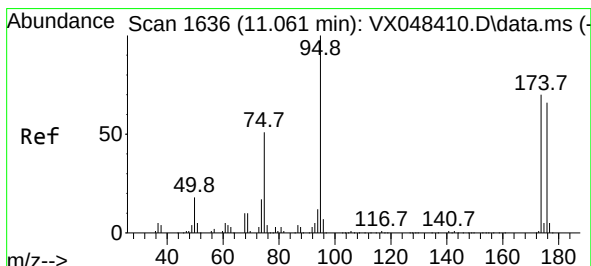
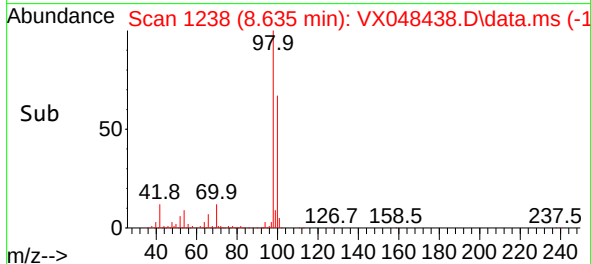
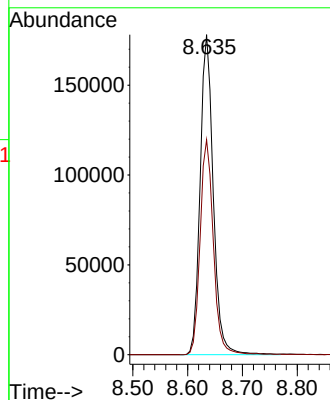
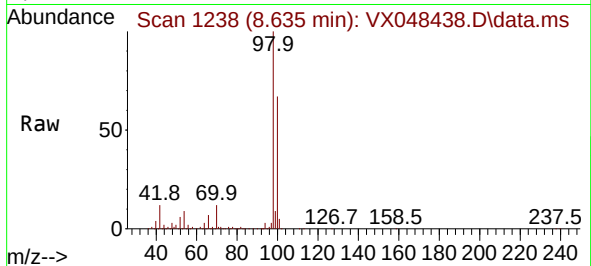




#50
Toluene-d8
Concen: 50.640 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048438.D
Acq: 31 Oct 2025 17:12

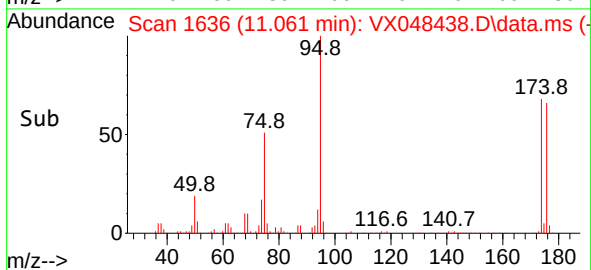
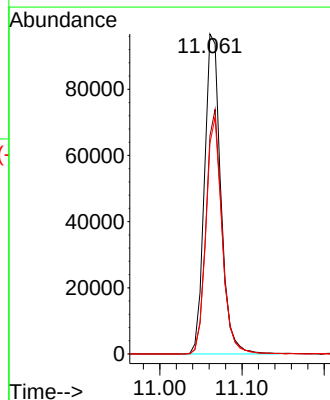
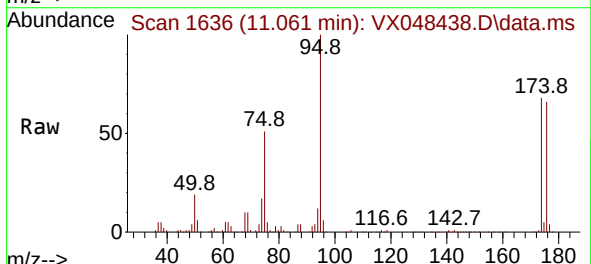
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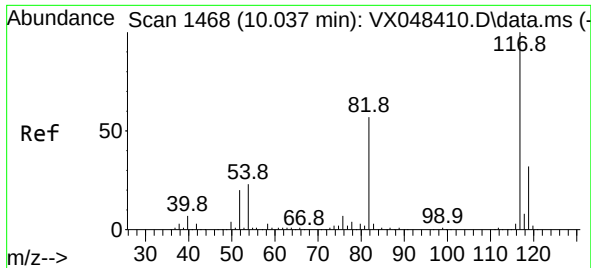
Tgt Ion: 98 Resp: 296613
Ion Ratio Lower Upper
98 100
100 67.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 60.779 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048438.D
Acq: 31 Oct 2025 17:12

Tgt Ion: 95 Resp: 133173
Ion Ratio Lower Upper
95 100
174 75.2 0.0 147.8
176 72.6 0.0 142.8

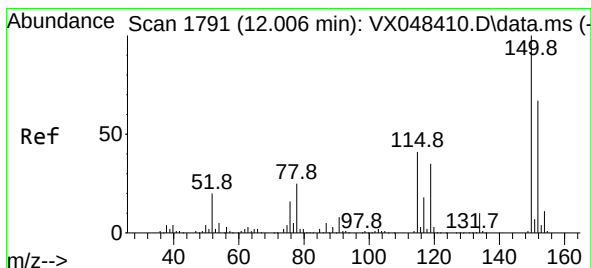
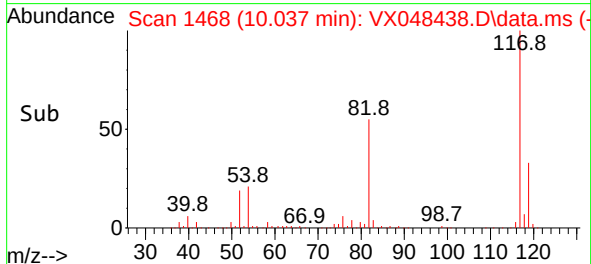
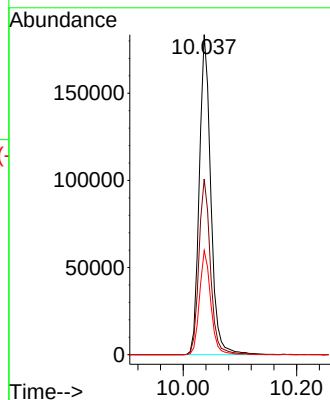
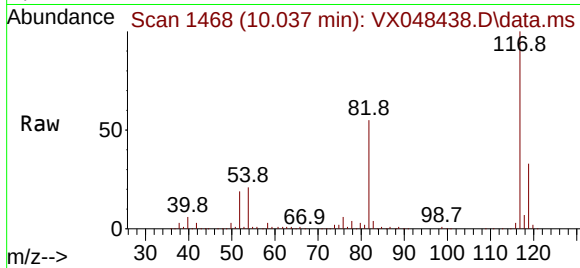




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048438.D
Acq: 31 Oct 2025 17:12

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:117 Resp: 258732
Ion Ratio Lower Upper
117 100
82 54.9 46.5 69.7
119 32.6 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048438.D
Acq: 31 Oct 2025 17:12

Tgt Ion:152 Resp: 118147
Ion Ratio Lower Upper
152 100
115 59.8 43.1 129.4
150 157.8 0.0 353.0

