

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102825\
 Data File : VX048400.D
 Acq On : 28 Oct 2025 15:31
 Operator : JC/MD
 Sample : Q3472-14 20X
 Misc : 1.68g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 155

Quant Time: Oct 29 01:21:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	123332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	251034	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	264794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	132622	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	102119	59.056	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	118.120%#
35) Dibromofluoromethane	5.373	113	74324	43.368	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.740%
50) Toluene-d8	8.635	98	310459	51.683	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.360%
62) 4-Bromofluorobenzene	11.061	95	136123	59.566	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	119.140%

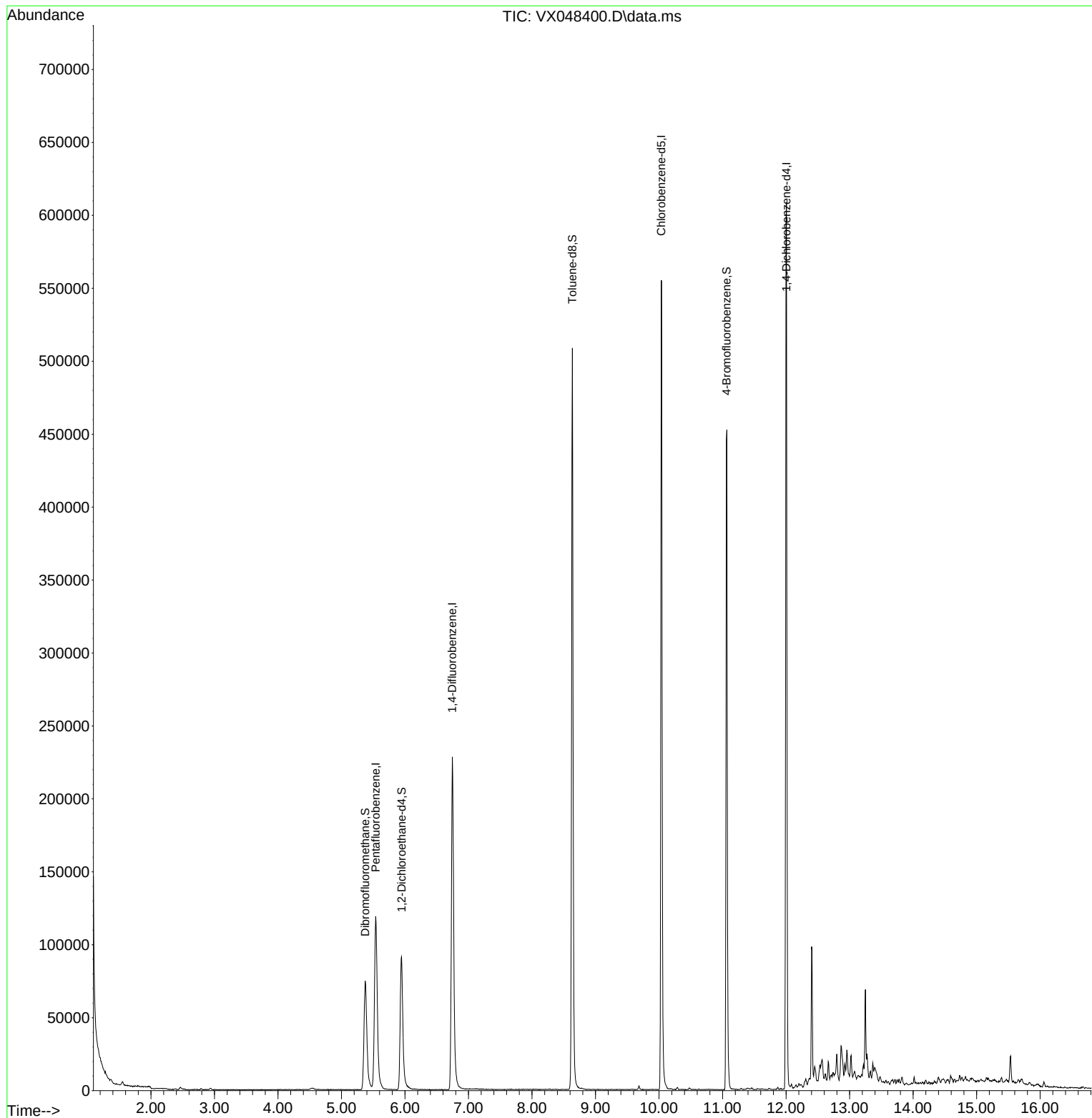
Target Compounds	Qvalue

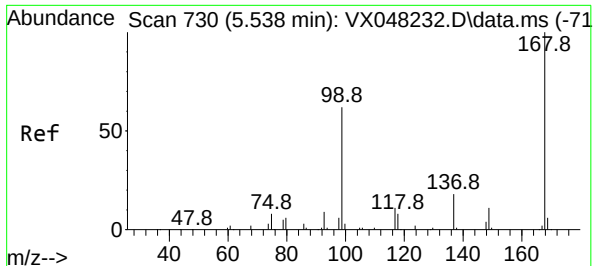
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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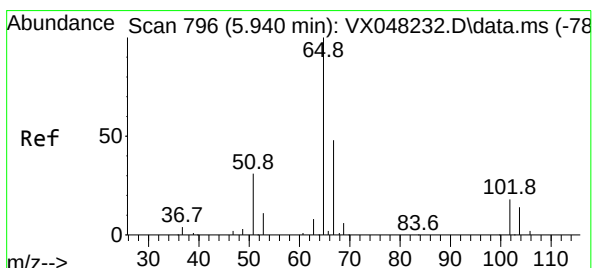
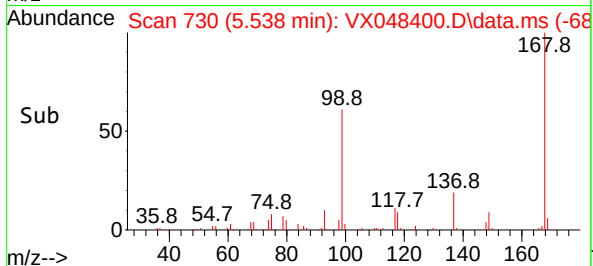
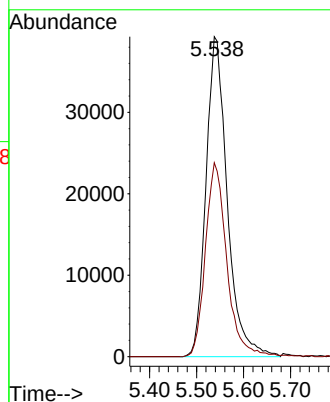
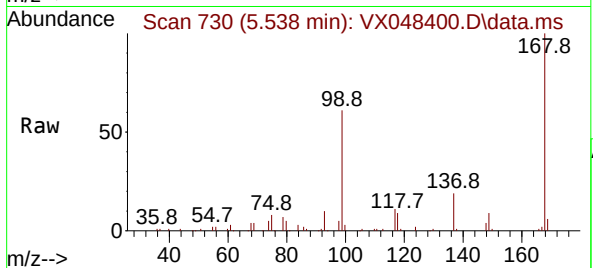




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 715
Delta R.T. -0.006 min
Lab File: VX048400.D
Acq: 28 Oct 2025 15:31

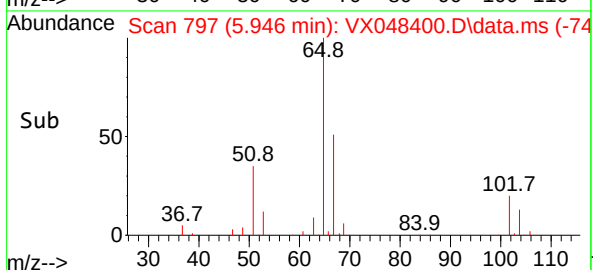
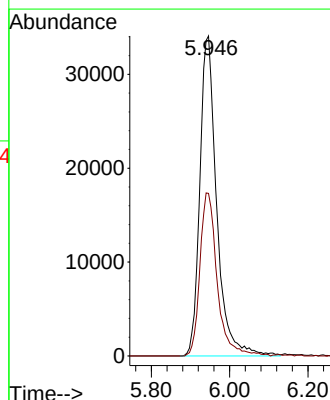
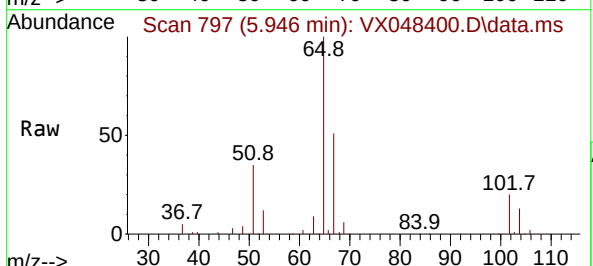
Instrument :
MSVOA_X
ClientSampleId :
155

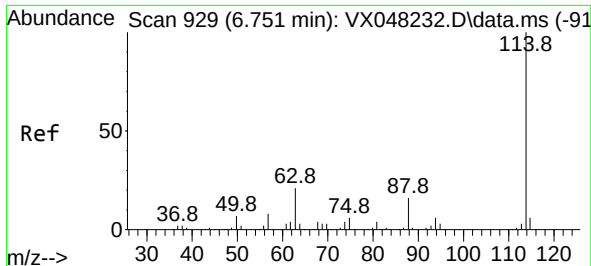
Tgt Ion:168 Resp: 123332
Ion Ratio Lower Upper
168 100
99 60.6 46.4 69.6



#33
1,2-Dichloroethane-d4
Concen: 59.056 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048400.D
Acq: 28 Oct 2025 15:31

Tgt Ion: 65 Resp: 102119
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.0

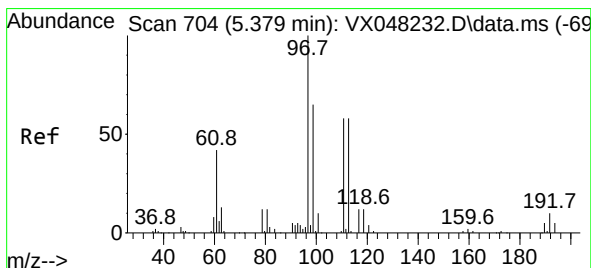
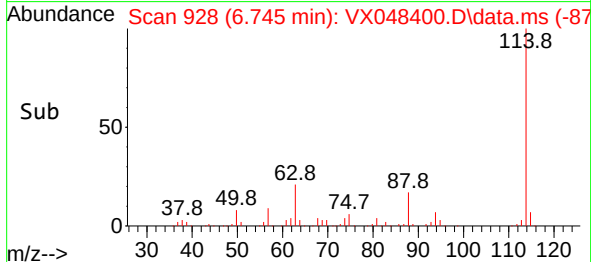
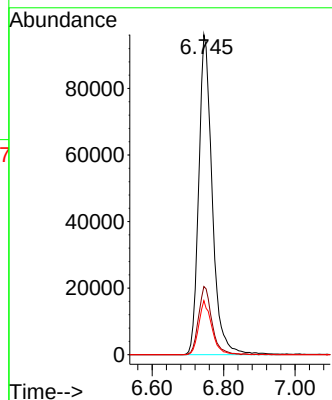
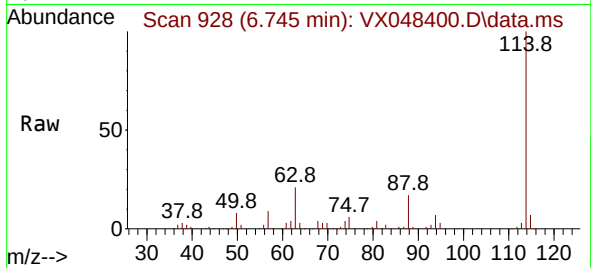




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048400.D
Acq: 28 Oct 2025 15:31

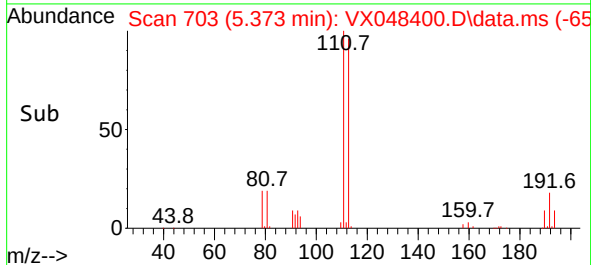
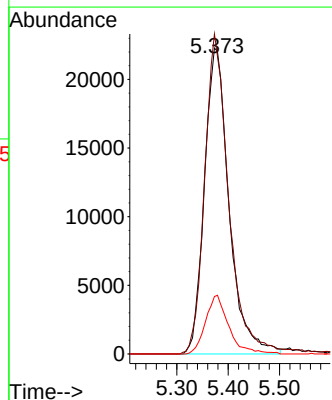
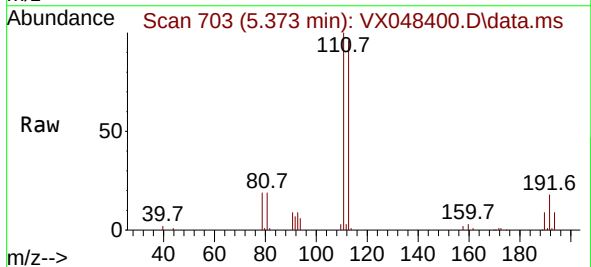
Instrument :
MSVOA_X
ClientSampleId :
155

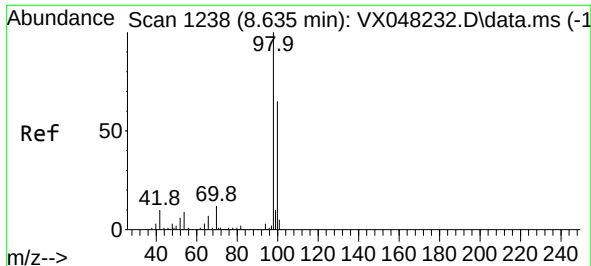
Tgt Ion:114 Resp: 251034
Ion Ratio Lower Upper
114 100
63 21.3 0.0 43.2
88 16.9 0.0 33.6



#35
Dibromofluoromethane
Concen: 43.368 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048400.D
Acq: 28 Oct 2025 15:31

Tgt Ion:113 Resp: 74324
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 18.1 15.1 22.7

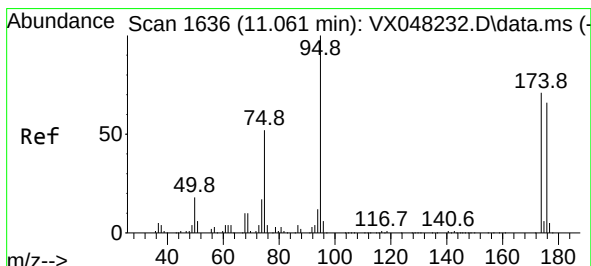
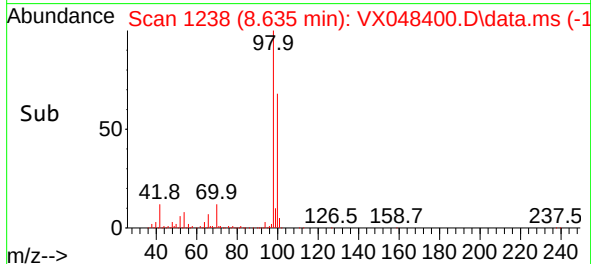
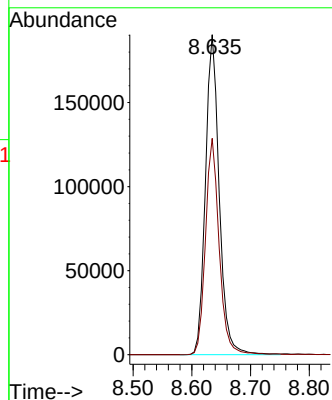
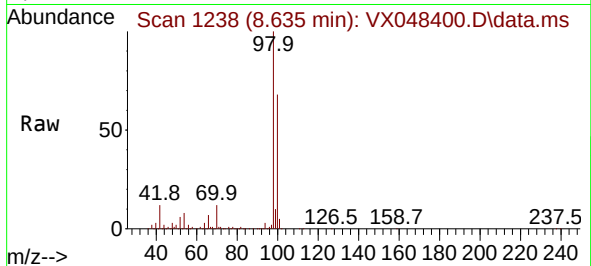




#50
Toluene-d8
Concen: 51.683 ug/l
RT: 8.635 min Scan# 1155
Delta R.T. -0.000 min
Lab File: VX048400.D
Acq: 28 Oct 2025 15:31

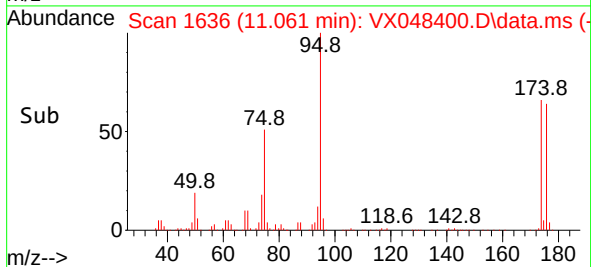
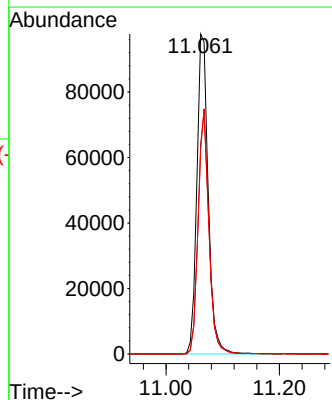
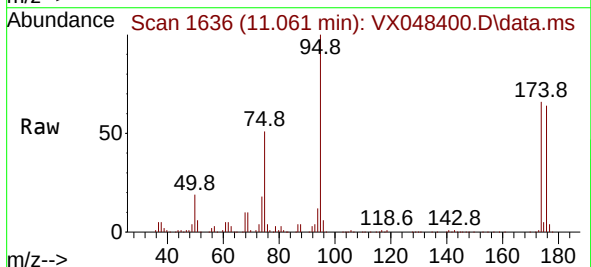
Instrument :
MSVOA_X
ClientSampleId :
155

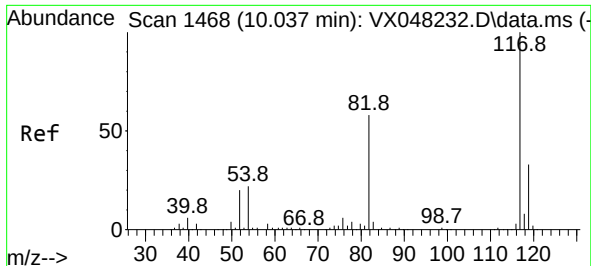
Tgt Ion: 98 Resp: 310459
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 59.566 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048400.D
Acq: 28 Oct 2025 15:31

Tgt Ion: 95 Resp: 136123
Ion Ratio Lower Upper
95 100
174 72.7 0.0 147.8
176 71.9 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: VX048400.D

Acq: 28 Oct 2025 15:31

Instrument :

MSVOA_X

ClientSampleId :

155

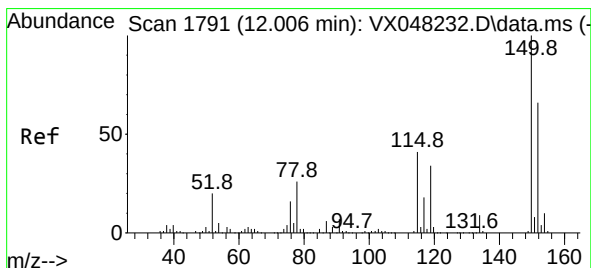
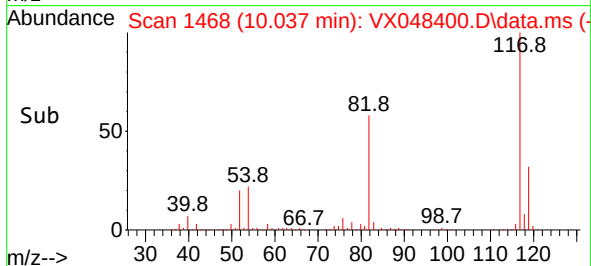
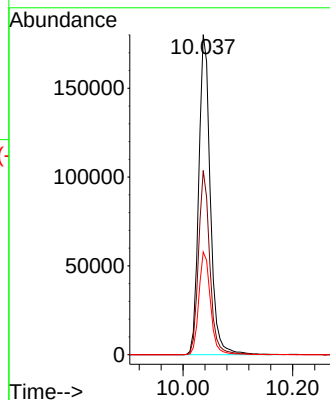
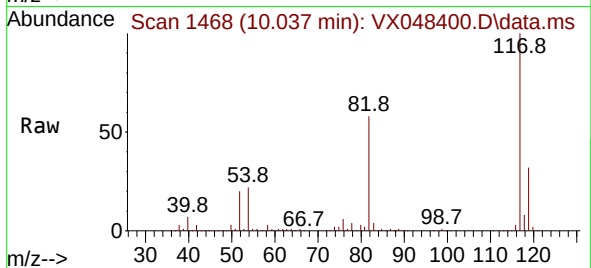
Tgt Ion:117 Resp: 264794

Ion Ratio Lower Upper

117 100

82 57.5 46.5 69.7

119 32.1 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: VX048400.D

Acq: 28 Oct 2025 15:31

Tgt Ion:152 Resp: 132622

Ion Ratio Lower Upper

152 100

115 62.1 43.1 129.4

150 158.4 0.0 353.0

