

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103125\
 Data File : VX048432.D
 Acq On : 31 Oct 2025 15:08
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Oct 31 23:06:50 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	5.538	168	142473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	328670	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	340984	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	174424	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	108913	53.155	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	106.300%
35) Dibromofluoromethane	5.373	113	80286	42.845	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	85.680%
50) Toluene-d8	8.635	98	404224	48.868	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.740%
62) 4-Bromofluorobenzene	11.061	95	175220	56.627	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	113.260%

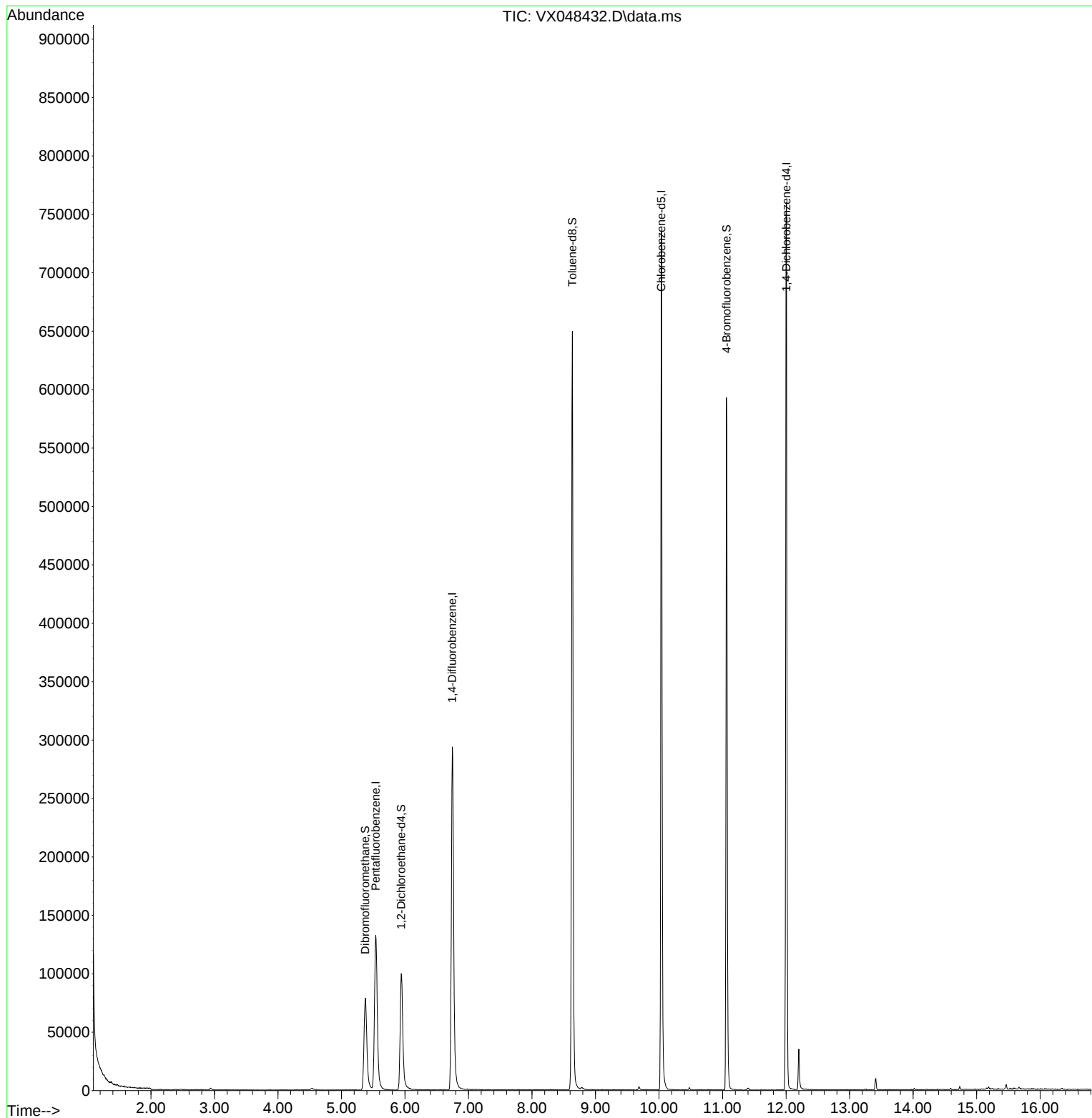
Target Compounds	Qvalue

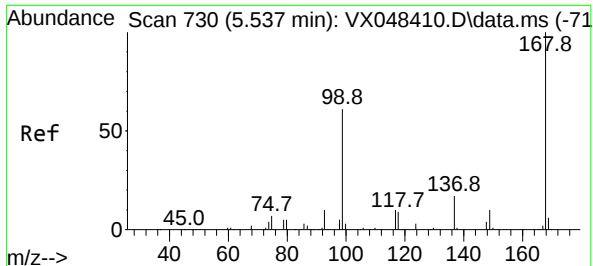
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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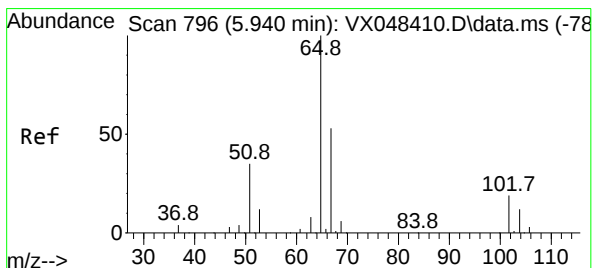
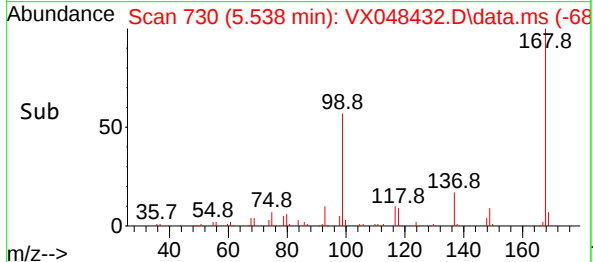
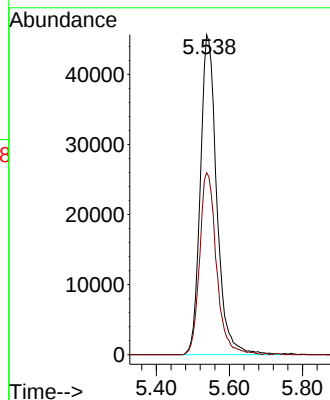
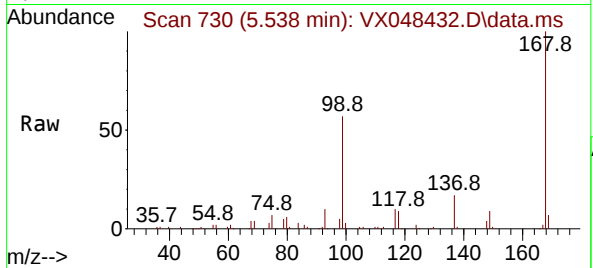




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX048432.D
Acq: 31 Oct 2025 15:08

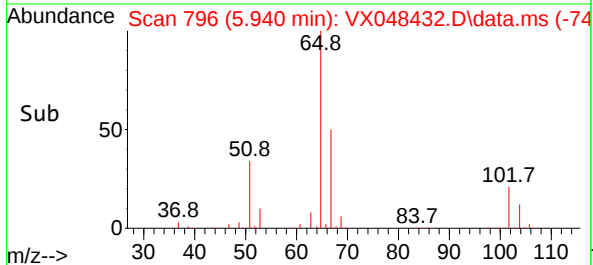
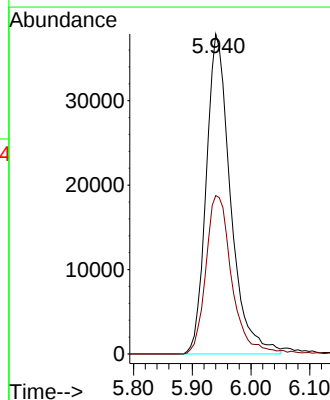
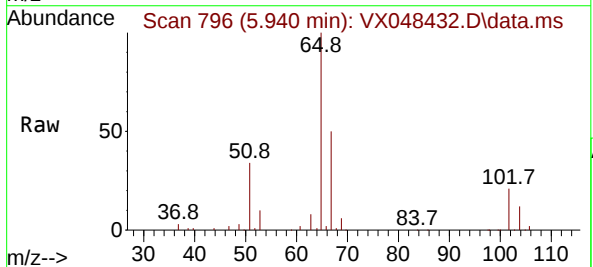
Instrument :
MSVOA_X
ClientSampleId :
IBLK

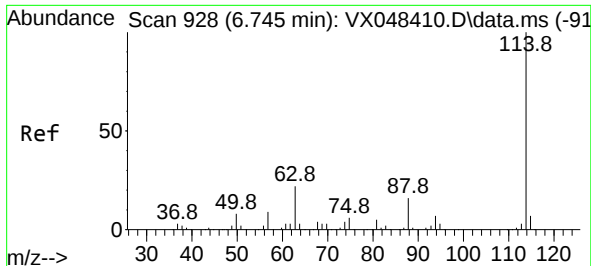
Tgt Ion:168 Resp: 142473
Ion Ratio Lower Upper
168 100
99 56.9 46.4 69.6



#33
1,2-Dichloroethane-d4
Concen: 53.155 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048432.D
Acq: 31 Oct 2025 15:08

Tgt Ion: 65 Resp: 108913
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.0

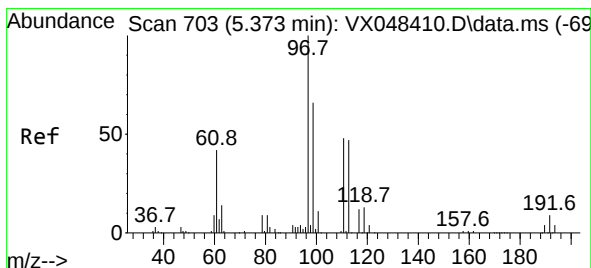
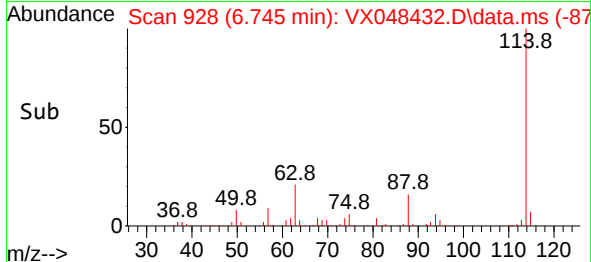
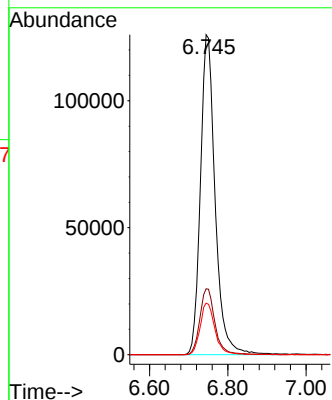
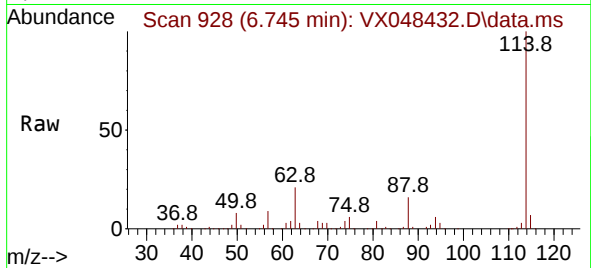




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX048432.D
 Acq: 31 Oct 2025 15:08

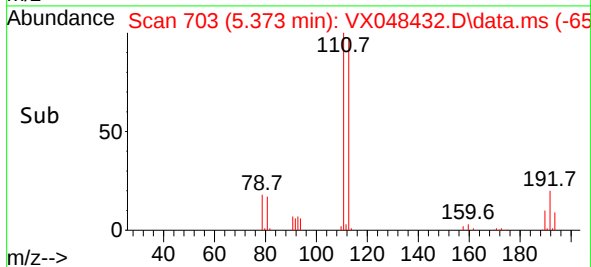
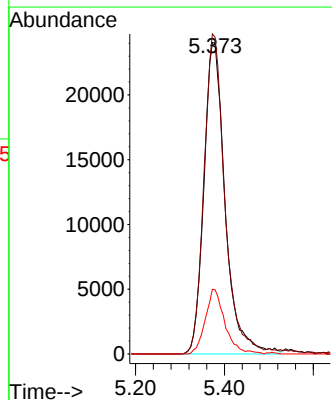
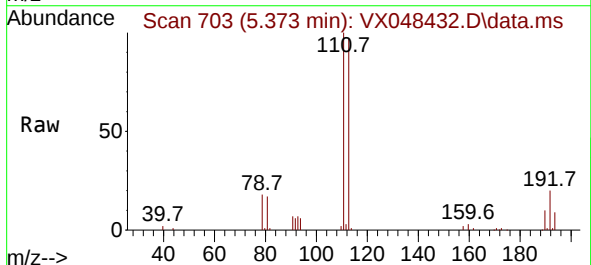
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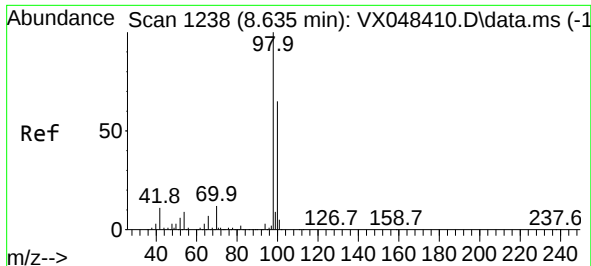
Tgt Ion:114 Resp: 328670
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 43.2
 88 16.1 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 42.845 ug/l
 RT: 5.373 min Scan# 703
 Delta R.T. 0.000 min
 Lab File: VX048432.D
 Acq: 31 Oct 2025 15:08

Tgt Ion:113 Resp: 80286
 Ion Ratio Lower Upper
 113 100
 111 100.3 82.2 123.4
 192 19.1 15.1 22.7

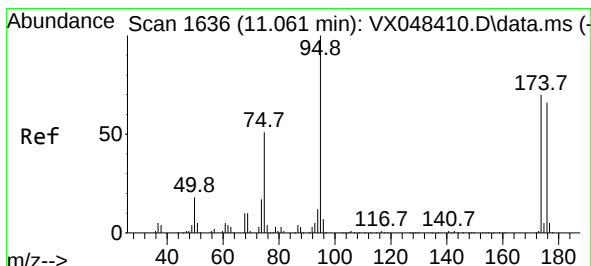
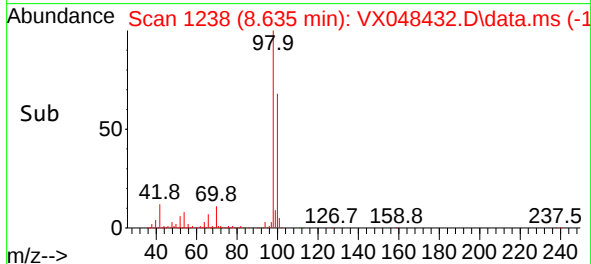
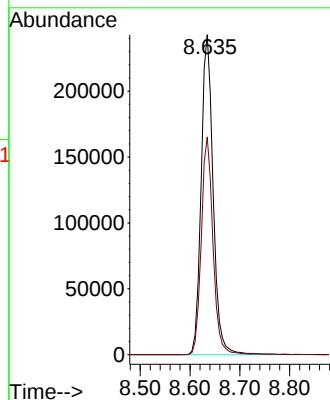
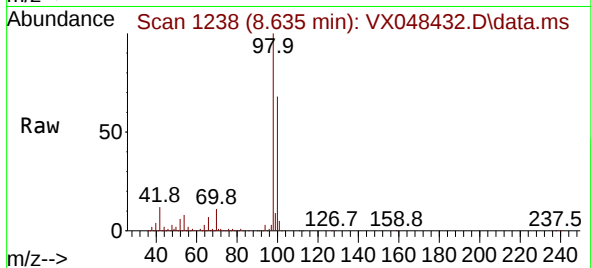




#50
Toluene-d8
Concen: 48.868 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048432.D
Acq: 31 Oct 2025 15:08

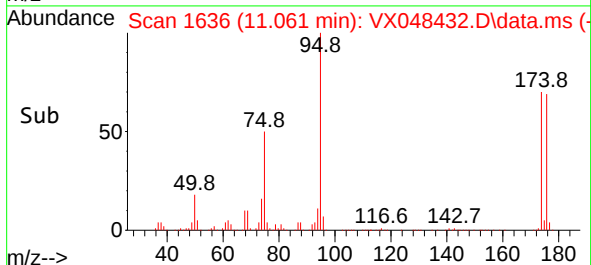
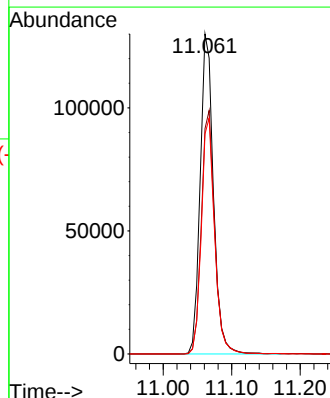
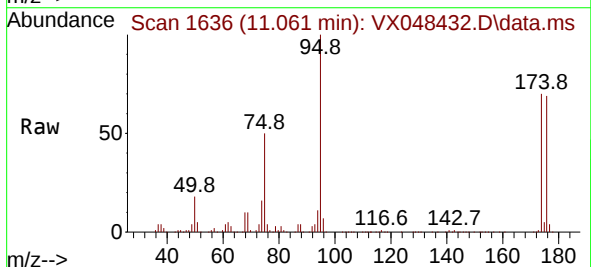
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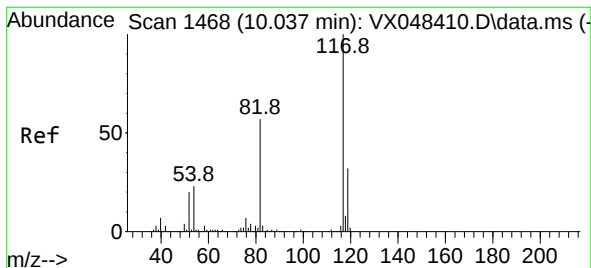
Tgt Ion: 98 Resp: 404224
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 56.627 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048432.D
Acq: 31 Oct 2025 15:08

Tgt Ion: 95 Resp: 175220
Ion Ratio Lower Upper
95 100
174 76.5 0.0 147.8
176 73.8 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: VX048432.D

Acq: 31 Oct 2025 15:08

Instrument :

MSVOA_X

ClientSampleId :

IBLK

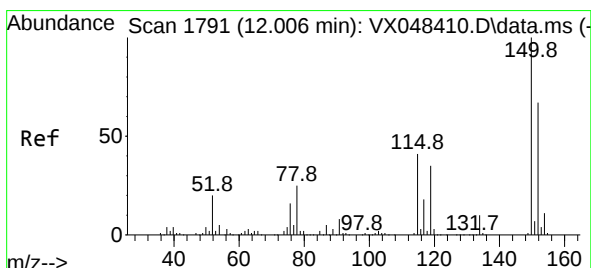
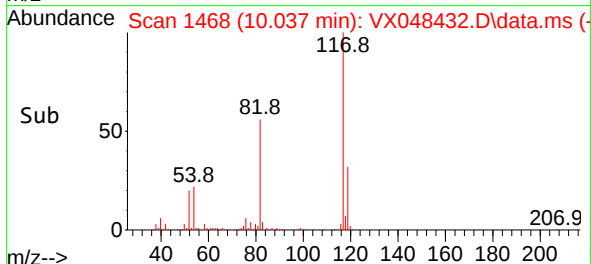
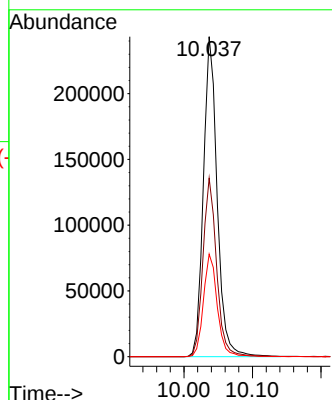
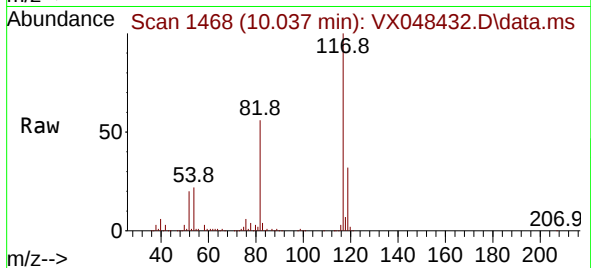
Tgt Ion:117 Resp: 340984

Ion Ratio Lower Upper

117 100

82 55.8 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: VX048432.D

Acq: 31 Oct 2025 15:08

Tgt Ion:152 Resp: 174424

Ion Ratio Lower Upper

152 100

115 60.2 43.1 129.4

150 158.4 0.0 353.0

