

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121525\
 Data File : VX048876.D
 Acq On : 15 Dec 2025 14:20
 Operator : JC/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VIBLK

Quant Time: Dec 16 00:16:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	242930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	404046	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	313236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	104615	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.928	65	157836	48.408	ug/l	-0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.820%
35) Dibromofluoromethane	5.361	113	132097	47.483	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.960%
50) Toluene-d8	8.628	98	471521	48.352	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.700%
62) 4-Bromofluorobenzene	11.061	95	118033	35.100	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	70.200%#

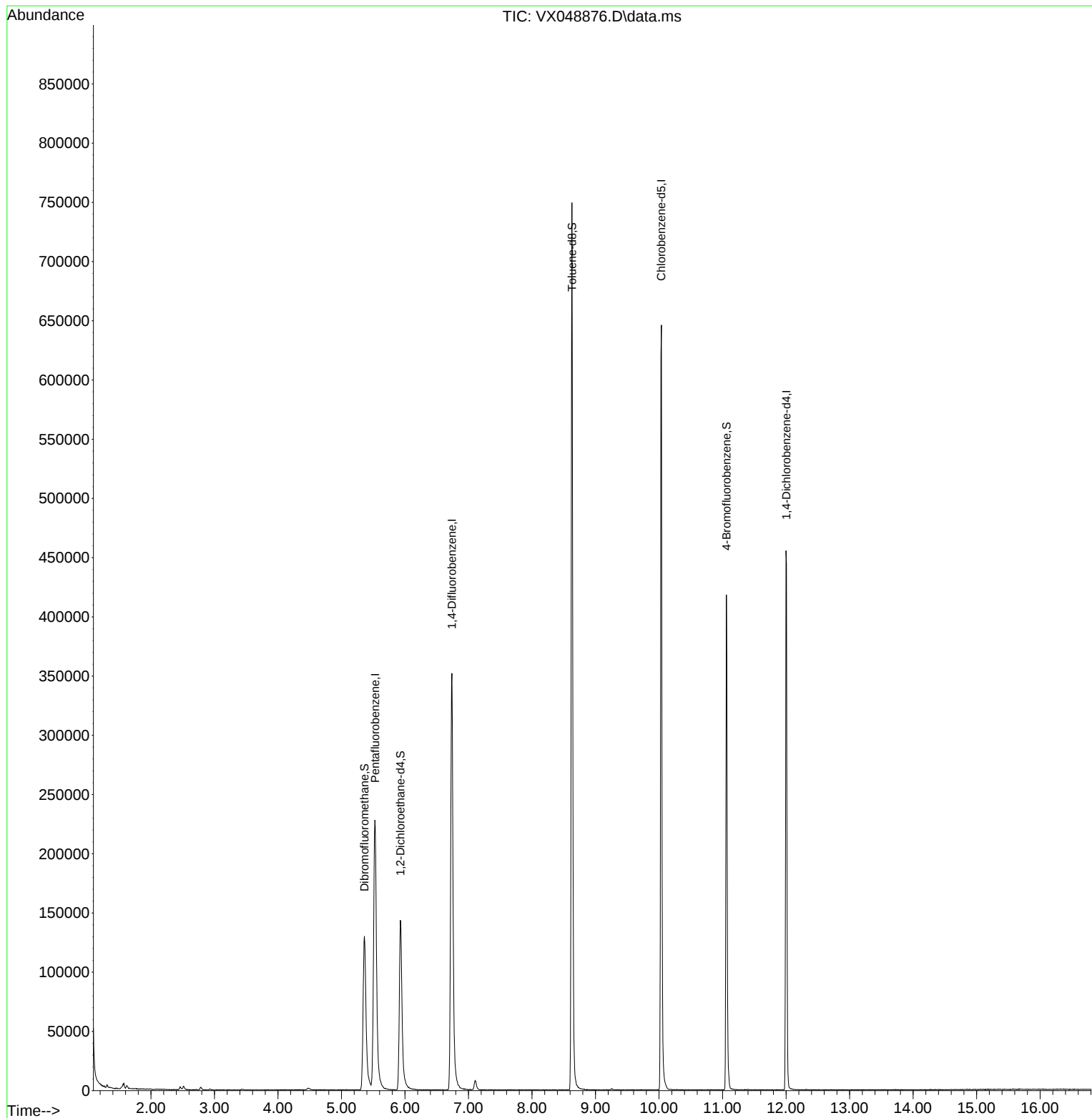
Target Compounds	Qvalue

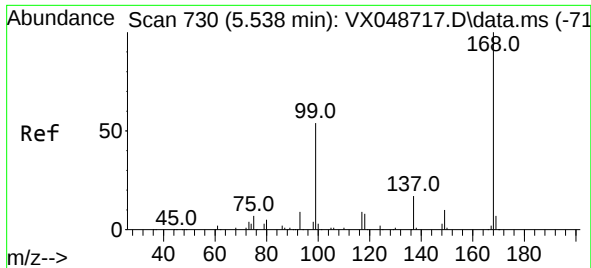
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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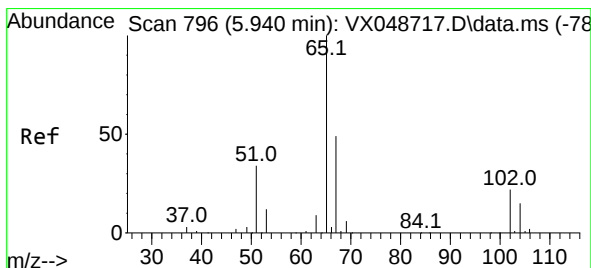
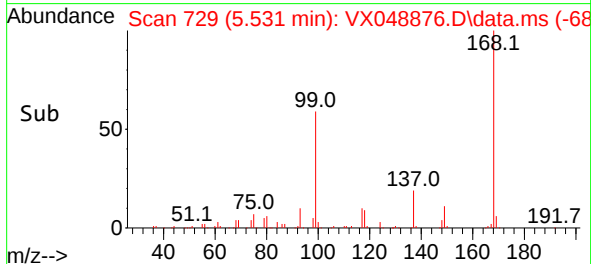
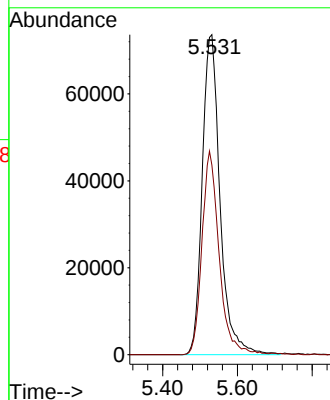
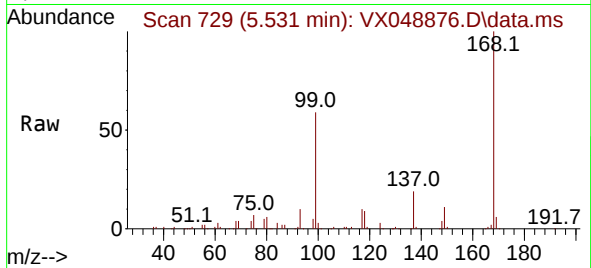




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 719
Delta R.T. -0.007 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

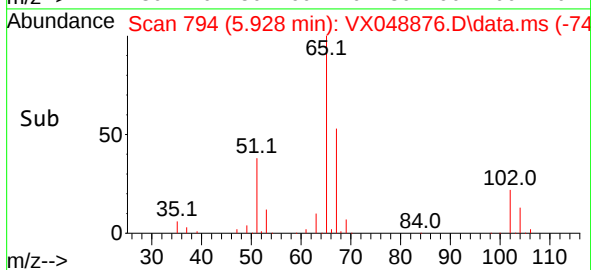
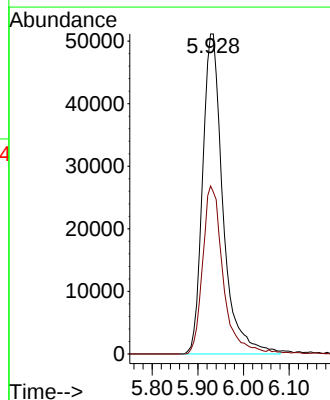
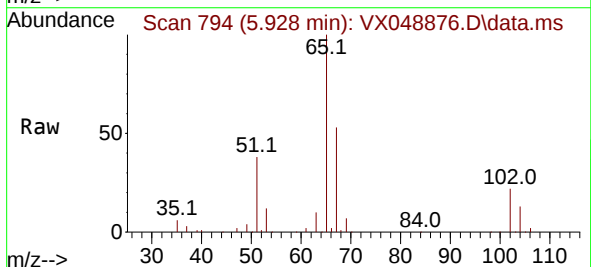
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

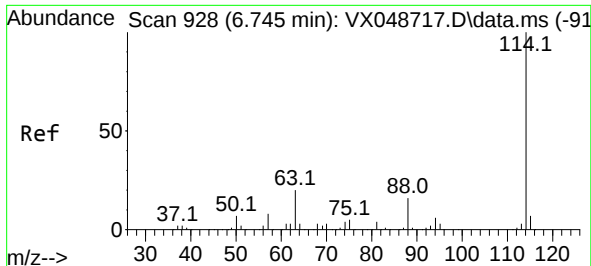
Tgt Ion:168 Resp: 242930
Ion Ratio Lower Upper
168 100
99 59.2 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 48.408 ug/l
RT: 5.928 min Scan# 794
Delta R.T. -0.012 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

Tgt Ion: 65 Resp: 157836
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.4

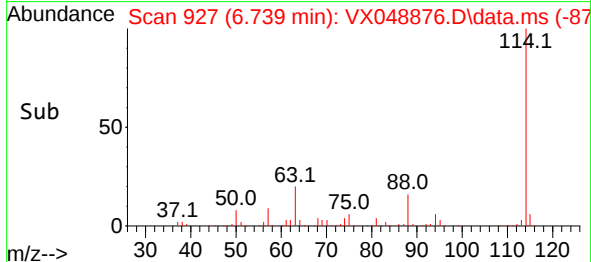
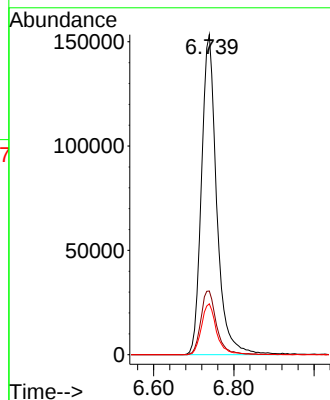
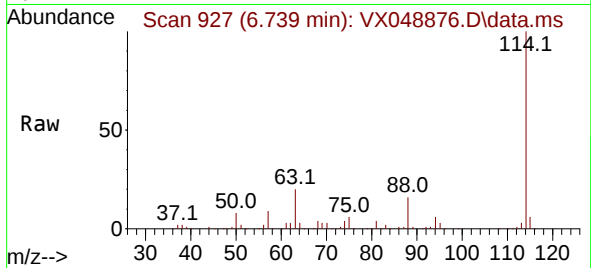




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

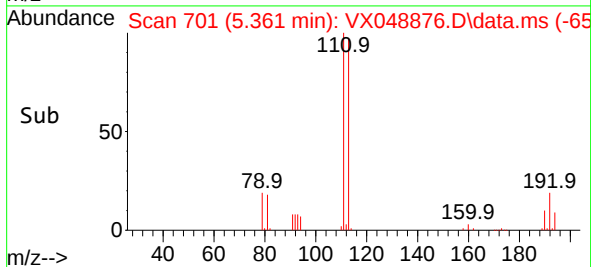
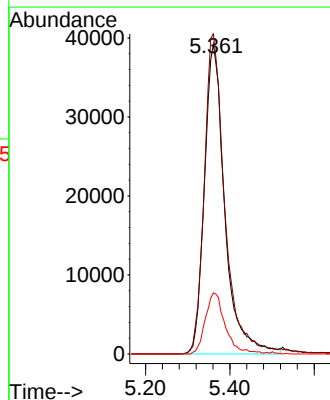
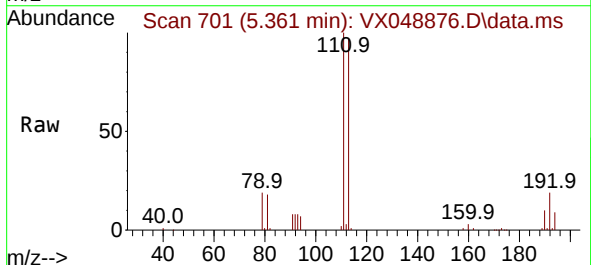
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

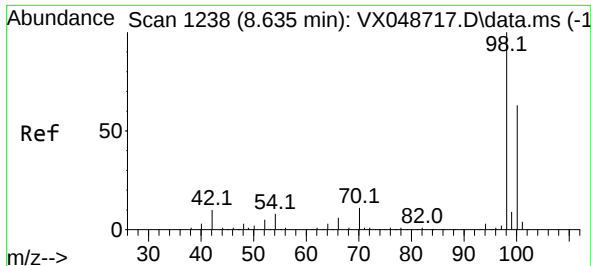
Tgt Ion:114 Resp: 404046
Ion Ratio Lower Upper
114 100
63 19.9 0.0 39.0
88 15.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.483 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.012 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

Tgt Ion:113 Resp: 132097
Ion Ratio Lower Upper
113 100
111 103.4 79.5 119.3
192 19.3 16.1 24.1

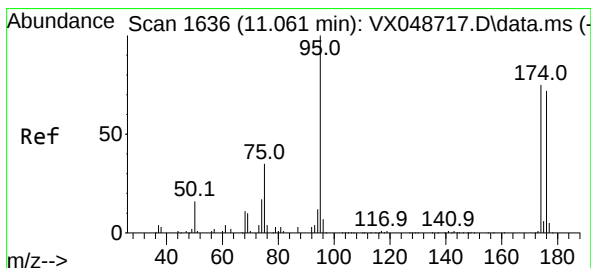
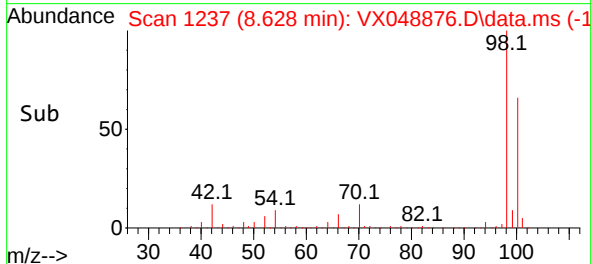
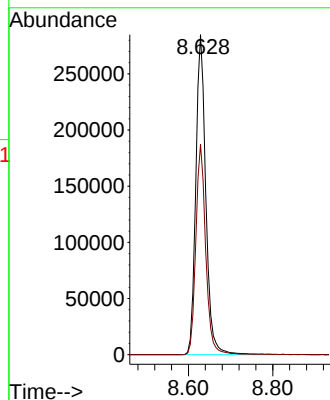
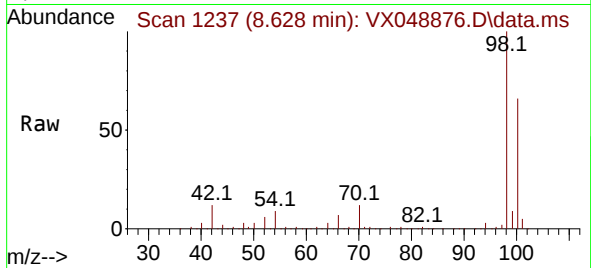




#50
Toluene-d8
Concen: 48.352 ug/l
RT: 8.628 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

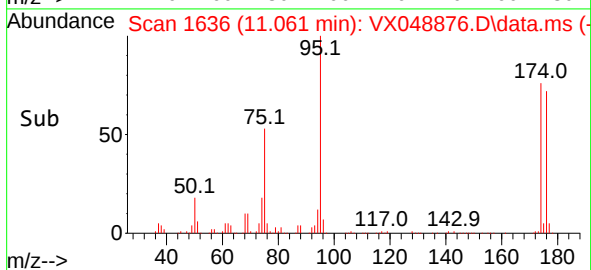
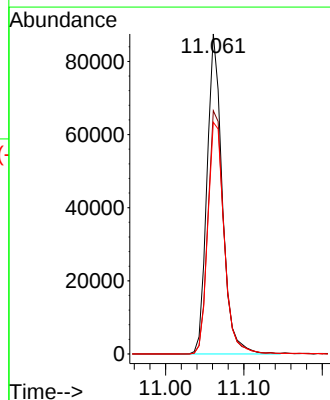
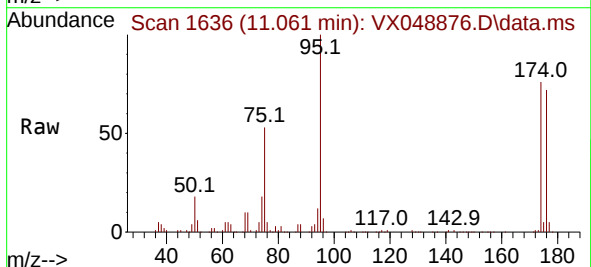
Instrument :
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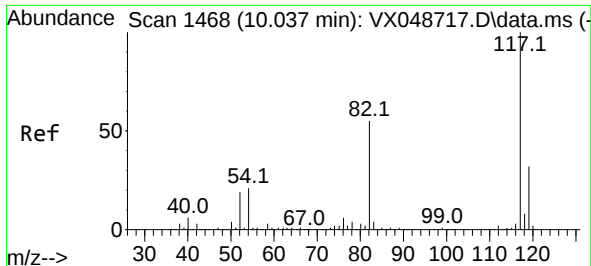
Tgt Ion: 98 Resp: 471521
Ion Ratio Lower Upper
98 100
100 65.2 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 35.100 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

Tgt Ion: 95 Resp: 118033
Ion Ratio Lower Upper
95 100
174 80.1 0.0 157.8
176 77.9 0.0 154.0

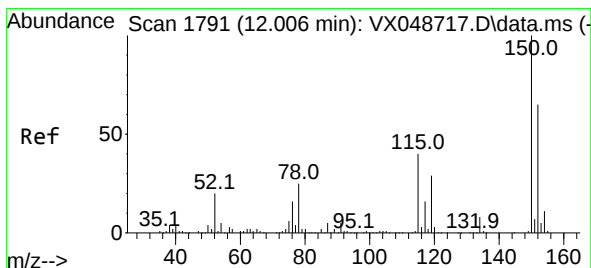
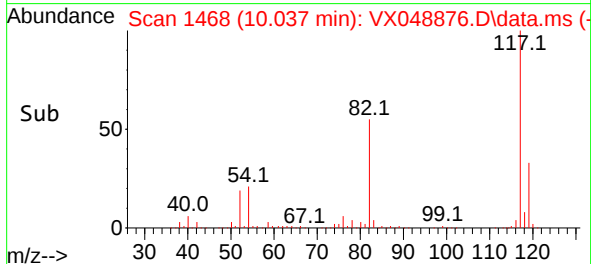
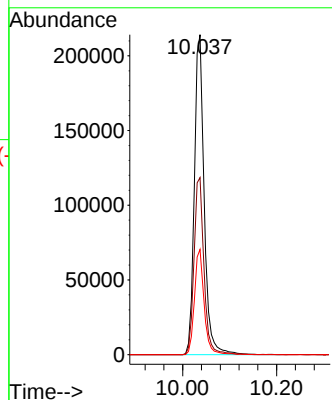
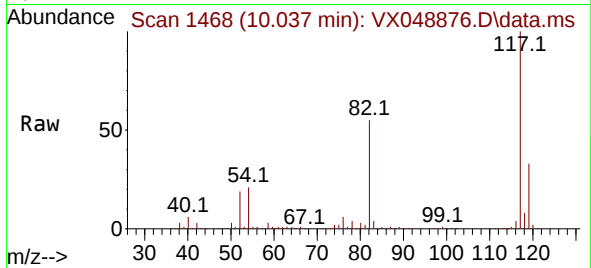




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

Instrument :
MSVOA_X
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 313236
Ion Ratio Lower Upper
117 100
82 55.3 44.1 66.1
119 32.9 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048876.D
Acq: 15 Dec 2025 14:20

Tgt Ion:152 Resp: 104615
Ion Ratio Lower Upper
152 100
115 59.2 42.1 126.4
150 159.1 0.0 347.8

