

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
 Data File : VX048818.D
 Acq On : 10 Dec 2025 17:35
 Operator : JC/MD
 Sample : Q3776-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20251203

Quant Time: Dec 11 00:27:26 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	5.538	168	137913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	291436	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	314013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	168146	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	103725	56.036	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	112.080%
35) Dibromofluoromethane	5.379	113	90931	45.315	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.620%
50) Toluene-d8	8.635	98	318234	45.243	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.480%#
62) 4-Bromofluorobenzene	11.061	95	141105	58.175	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	116.360%

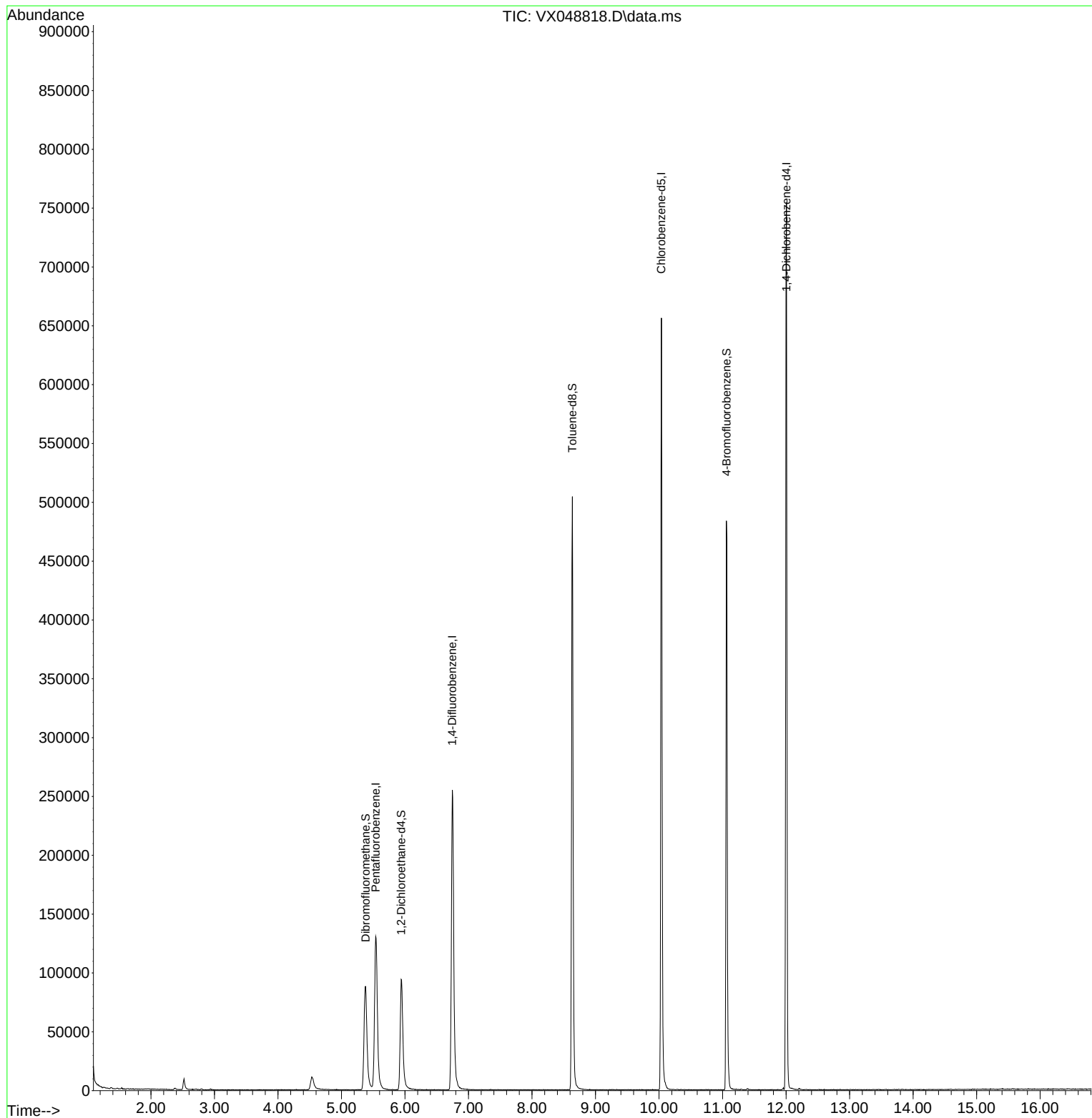
Target Compounds	Qvalue

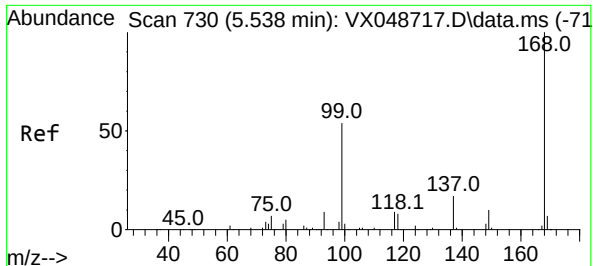
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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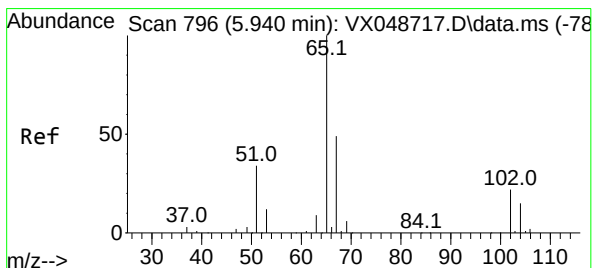
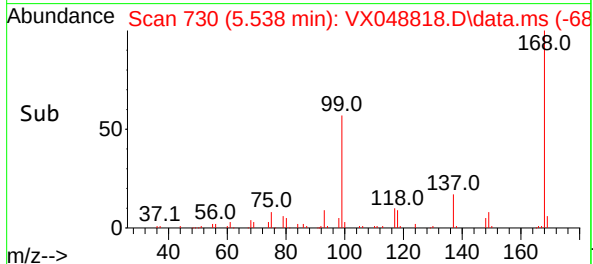
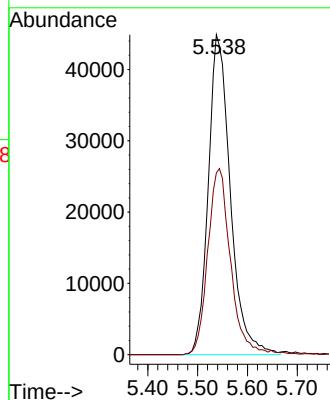
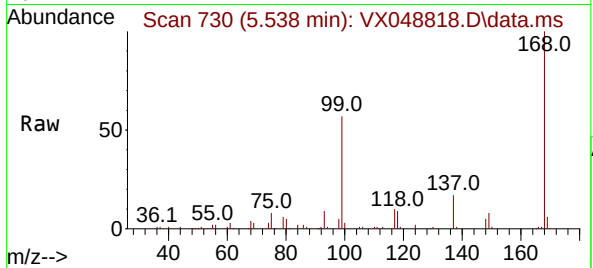




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.000 min
Lab File: VX048818.D
Acq: 10 Dec 2025 17:35

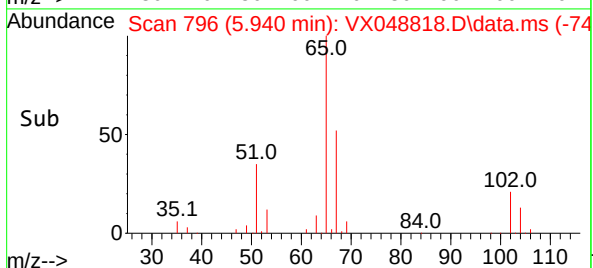
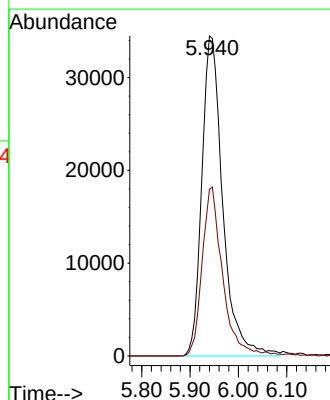
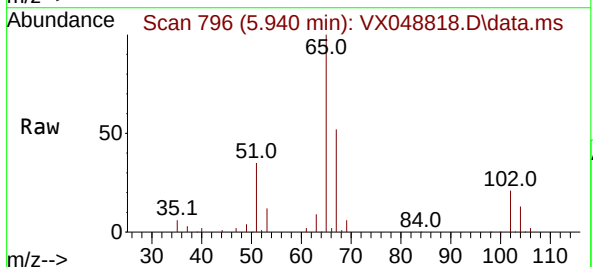
Instrument :
MSVOA_X
ClientSampleId :
TB-20251203

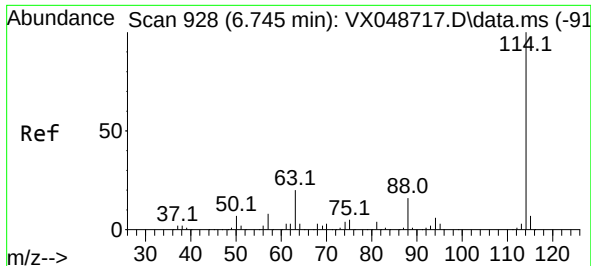
Tgt Ion:168 Resp: 137913
Ion Ratio Lower Upper
168 100
99 56.8 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 56.036 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048818.D
Acq: 10 Dec 2025 17:35

Tgt Ion: 65 Resp: 103725
Ion Ratio Lower Upper
65 100
67 51.7 0.0 107.4

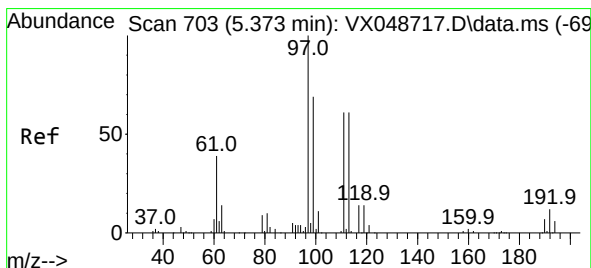
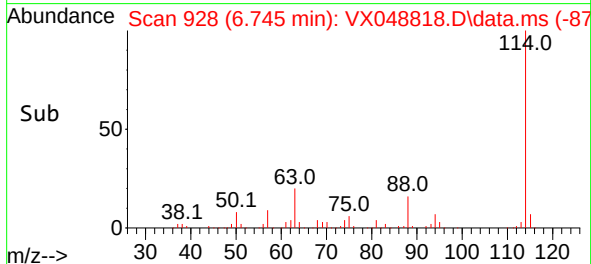
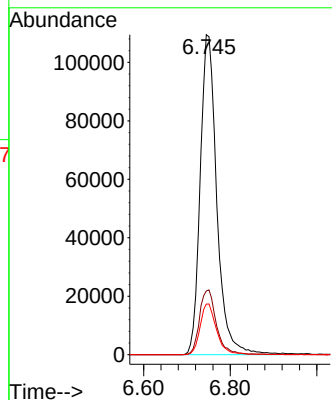
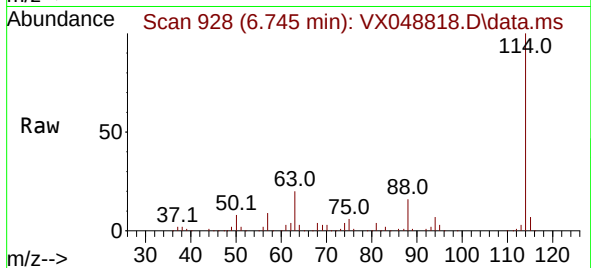




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048818.D
Acq: 10 Dec 2025 17:35

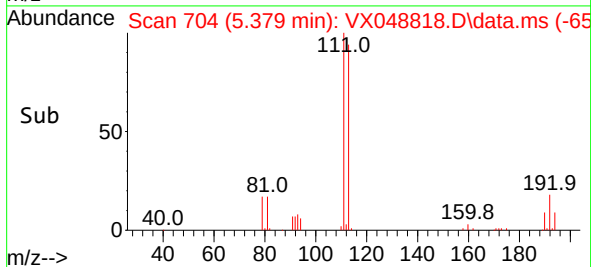
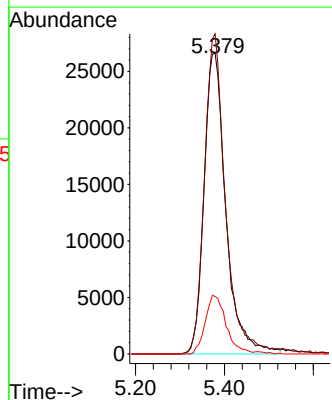
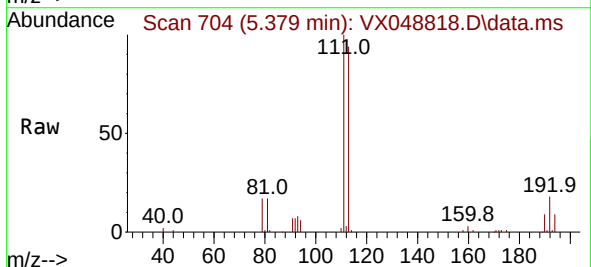
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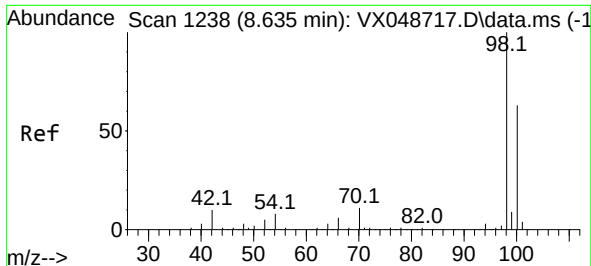
Tgt Ion:114 Resp: 291436
Ion Ratio Lower Upper
114 100
63 19.9 0.0 39.0
88 15.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 45.315 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048818.D
Acq: 10 Dec 2025 17:35

Tgt Ion:113 Resp: 90931
Ion Ratio Lower Upper
113 100
111 103.7 79.5 119.3
192 18.6 16.1 24.1

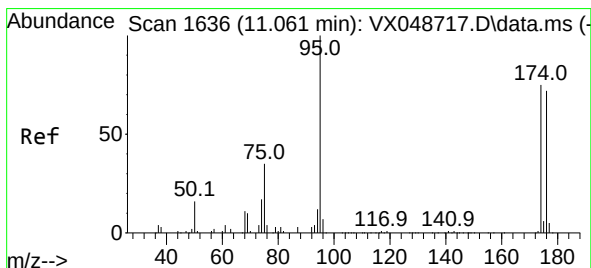
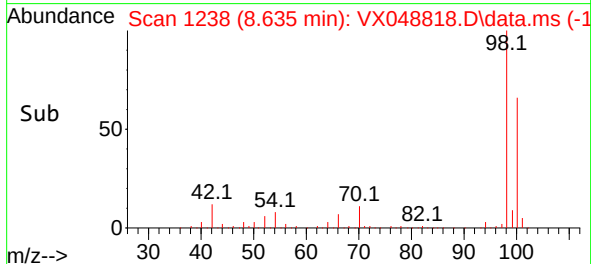
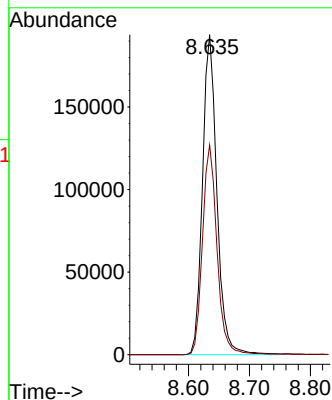
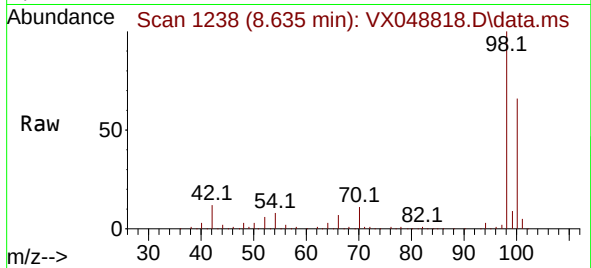




#50
Toluene-d8
Concen: 45.243 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048818.D
Acq: 10 Dec 2025 17:35

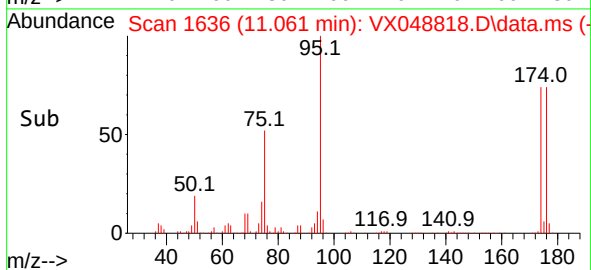
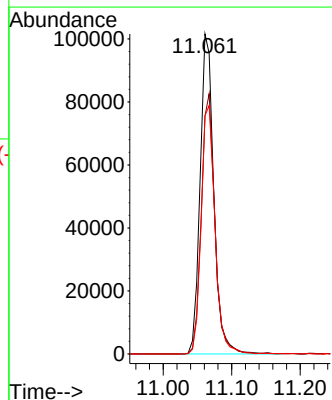
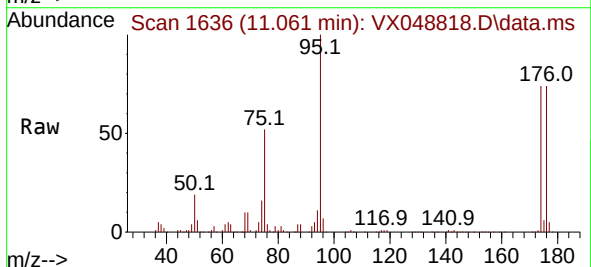
Instrument :
MSVOA_X
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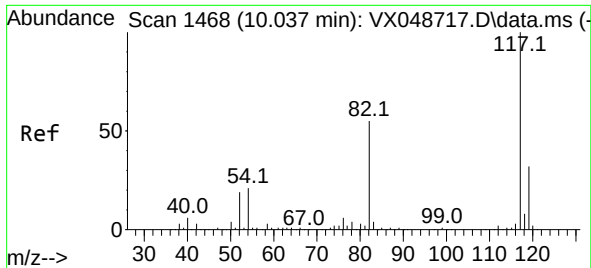
Tgt Ion: 98 Resp: 318234
Ion Ratio Lower Upper
98 100
100 66.2 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 58.175 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048818.D
Acq: 10 Dec 2025 17:35

Tgt Ion: 95 Resp: 141105
Ion Ratio Lower Upper
95 100
174 80.8 0.0 157.8
176 78.4 0.0 154.0

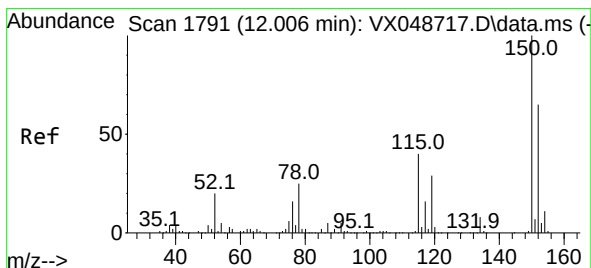
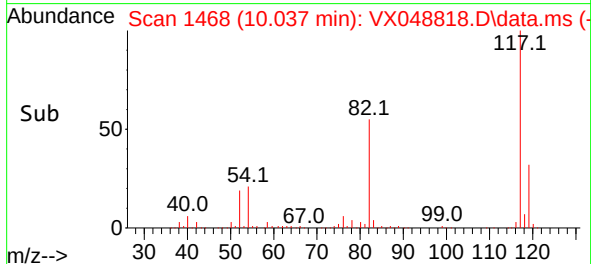
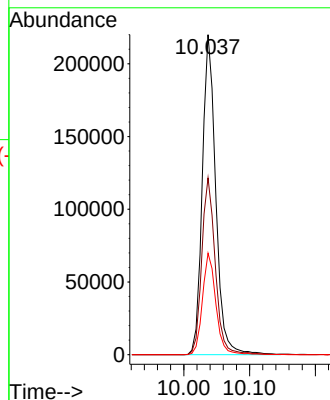
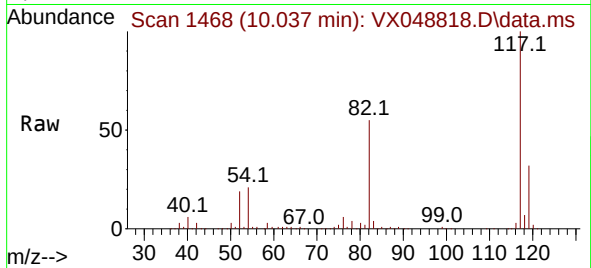




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048818.D
Acq: 10 Dec 2025 17:35

Instrument :
MSVOA_X
ClientSampleId :
TB-20251203

Tgt Ion:117 Resp: 314013
Ion Ratio Lower Upper
117 100
82 55.3 44.1 66.1
119 31.7 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: VX048818.D
Acq: 10 Dec 2025 17:35

Tgt Ion:152 Resp: 168146
Ion Ratio Lower Upper
152 100
115 58.5 42.1 126.4
150 155.8 0.0 347.8

