

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121525\
 Data File : VX048875.D
 Acq On : 15 Dec 2025 13:13
 Operator : JC/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VIBLK

Quant Time: Dec 16 00:16:03 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	5.537	168	224144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	377058	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	334181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	146657	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	144677	48.091	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.180%
35) Dibromofluoromethane	5.373	113	122235	47.082	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.160%
50) Toluene-d8	8.634	98	450579	49.512	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.020%
62) 4-Bromofluorobenzene	11.061	95	142865	45.526	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.060%

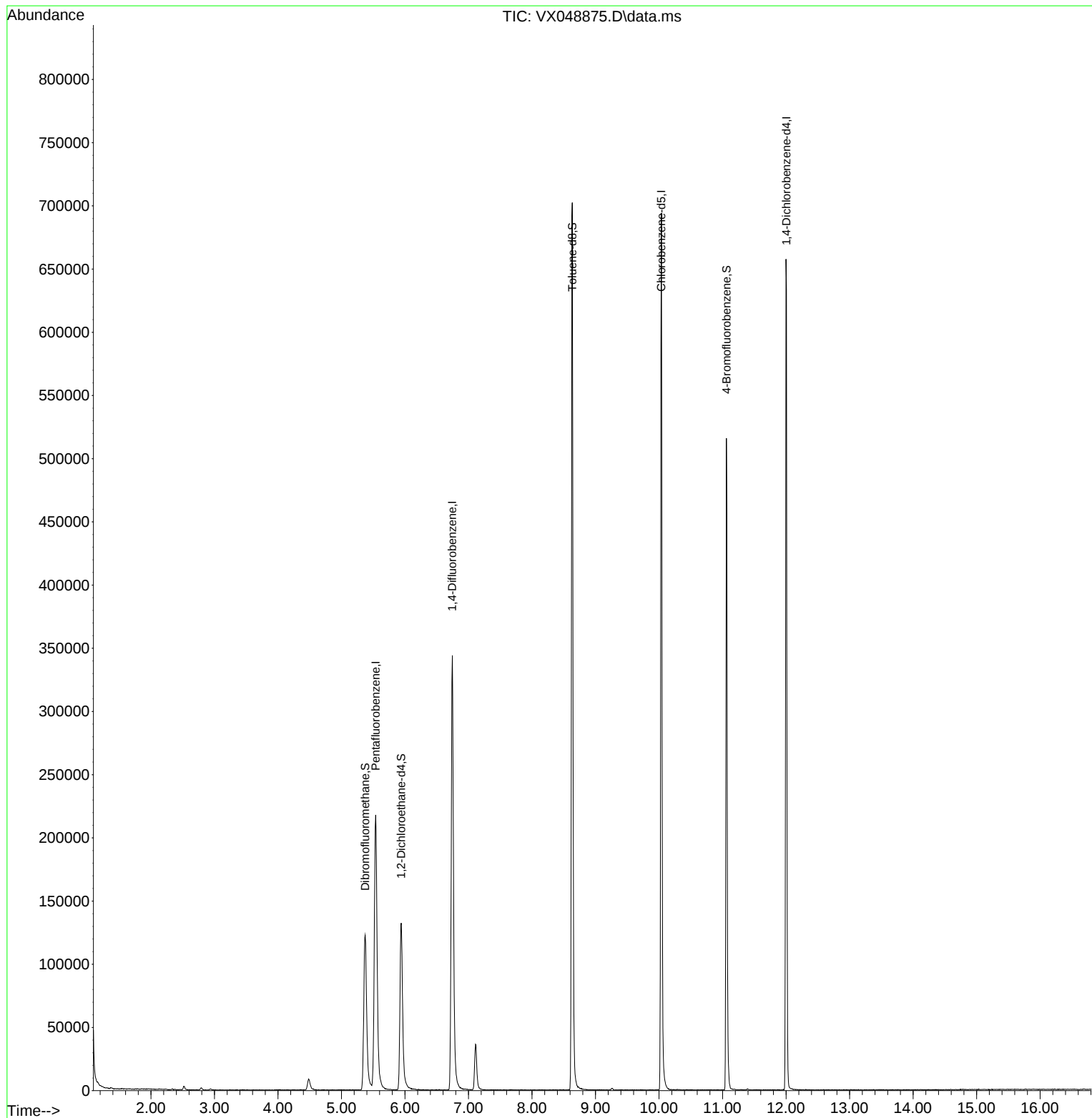
Target Compounds	Qvalue

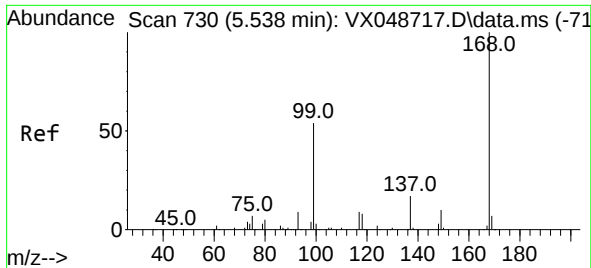
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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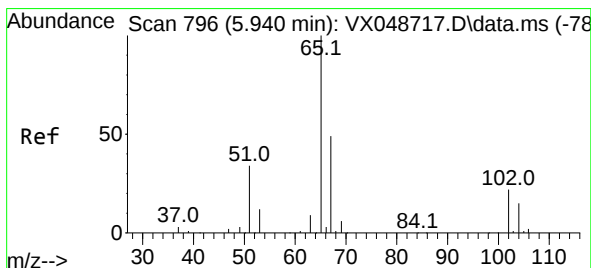
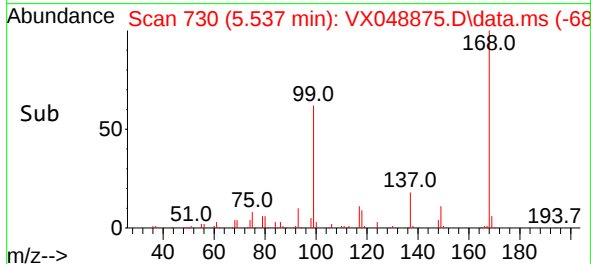
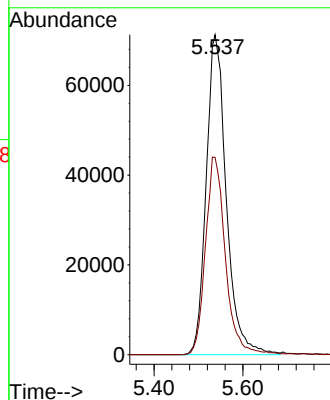
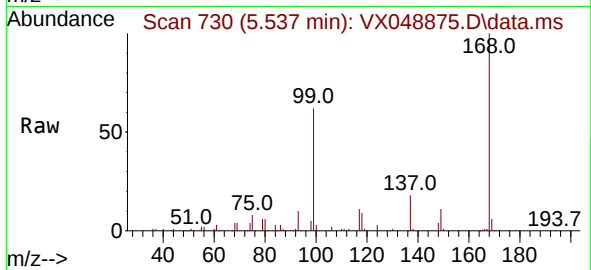




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048875.D
Acq: 15 Dec 2025 13:13

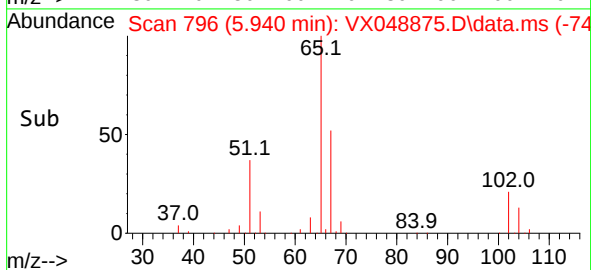
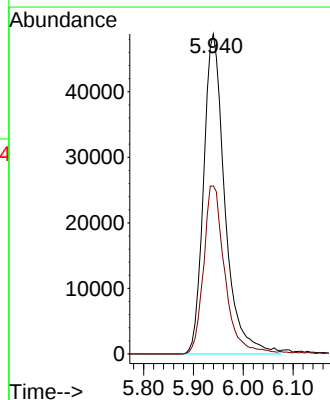
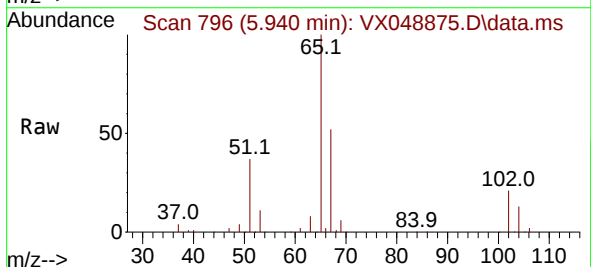
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

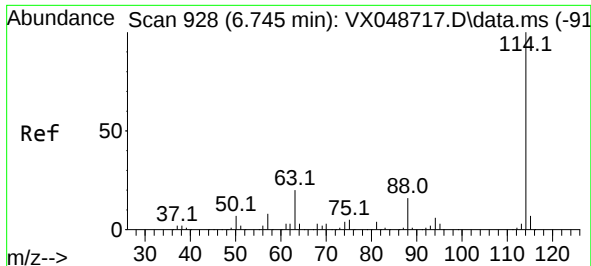
Tgt Ion:168 Resp: 224144
Ion Ratio Lower Upper
168 100
99 61.7 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 48.091 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048875.D
Acq: 15 Dec 2025 13:13

Tgt Ion: 65 Resp: 144677
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.4

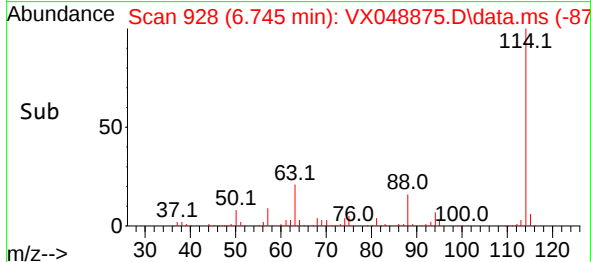
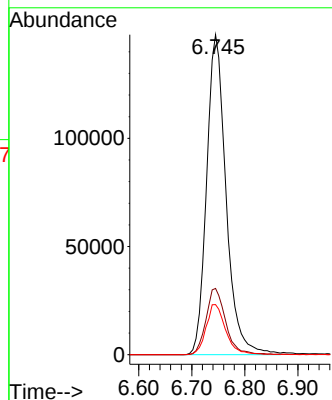
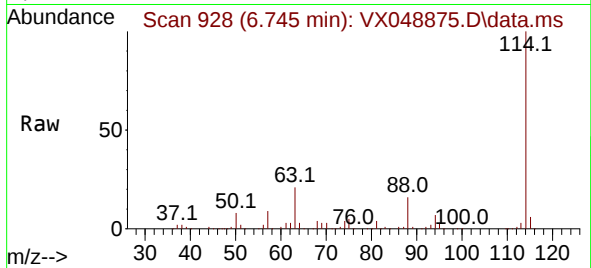




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048875.D
Acq: 15 Dec 2025 13:13

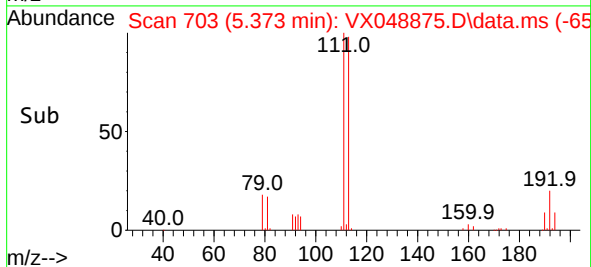
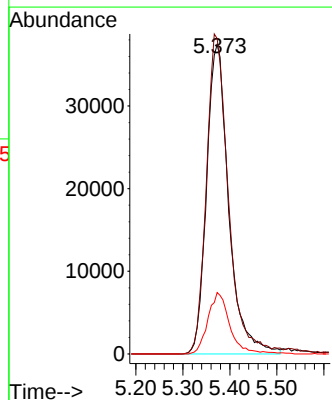
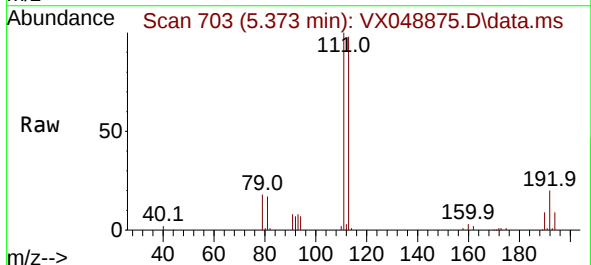
Instrument :
MSVOA_X
ClientSampleId :
VIBLK

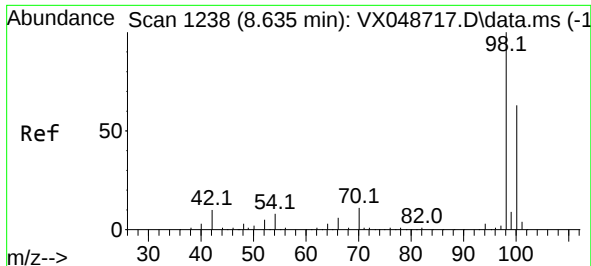
Tgt Ion:114 Resp: 377058
Ion Ratio Lower Upper
114 100
63 20.7 0.0 39.0
88 15.6 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.082 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048875.D
Acq: 15 Dec 2025 13:13

Tgt Ion:113 Resp: 122235
Ion Ratio Lower Upper
113 100
111 103.1 79.5 119.3
192 19.8 16.1 24.1

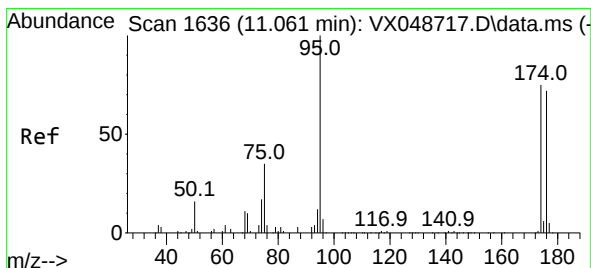
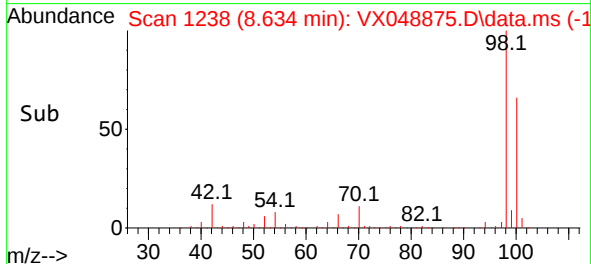
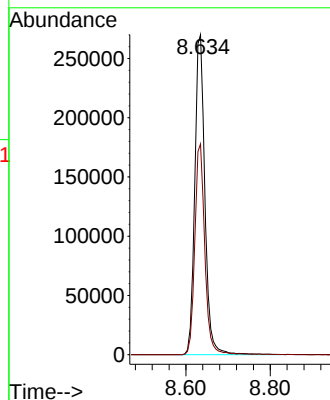
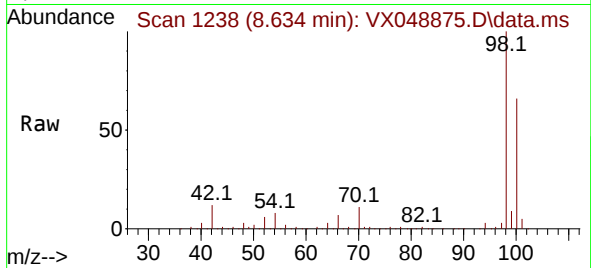




#50
Toluene-d8
Concen: 49.512 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048875.D
Acq: 15 Dec 2025 13:13

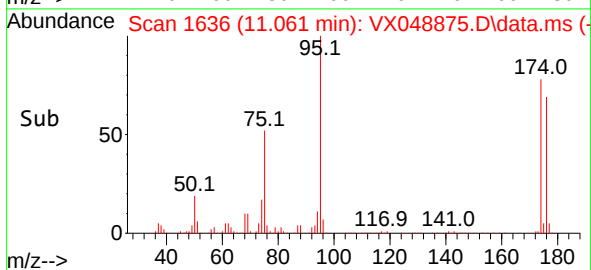
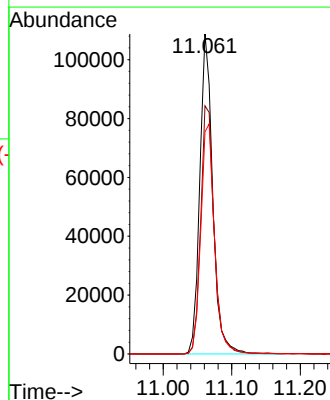
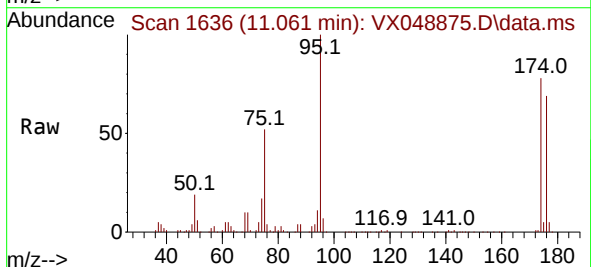
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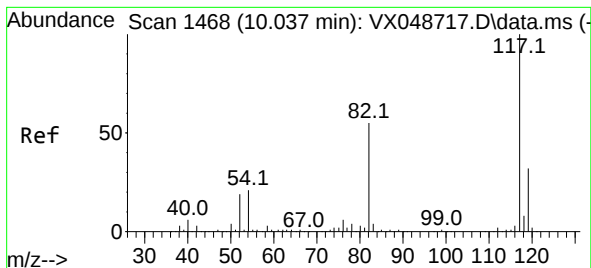
Tgt Ion: 98 Resp: 450579
Ion Ratio Lower Upper
98 100
100 65.1 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 45.526 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048875.D
Acq: 15 Dec 2025 13:13

Tgt Ion: 95 Resp: 142865
Ion Ratio Lower Upper
95 100
174 81.1 0.0 157.8
176 76.2 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: VX048875.D

Acq: 15 Dec 2025 13:13

Instrument :

MSVOA_X

ClientSampleId :

VIBLK

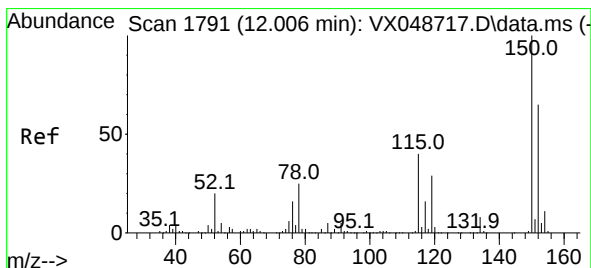
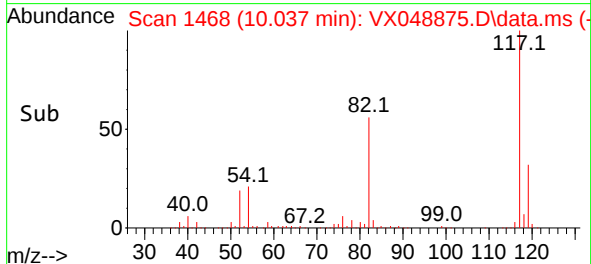
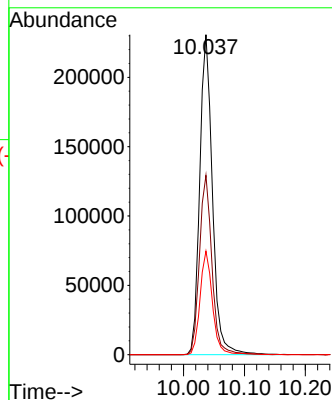
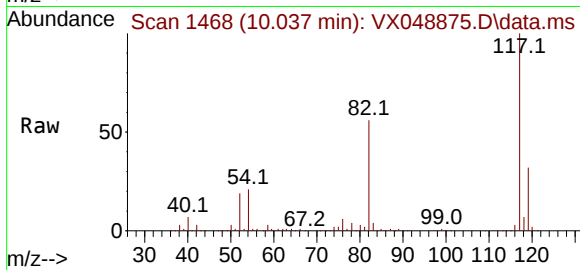
Tgt Ion:117 Resp: 334181

Ion Ratio Lower Upper

117 100

82 56.0 44.1 66.1

119 32.4 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: VX048875.D

Acq: 15 Dec 2025 13:13

Tgt Ion:152 Resp: 146657

Ion Ratio Lower Upper

152 100

115 58.8 42.1 126.4

150 156.4 0.0 347.8

