

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
 Data File : VX048763.D
 Acq On : 08 Dec 2025 18:02
 Operator : JC/MD
 Sample : Q3788-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-120525

Quant Time: Dec 09 04:14:39 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	147710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	303651	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	326109	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	173863	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	109857	55.412	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.820%
35) Dibromofluoromethane	5.373	113	97240	46.510	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.020%
50) Toluene-d8	8.635	98	346584	47.291	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.580%
62) 4-Bromofluorobenzene	11.061	95	148448	58.740	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	117.480%

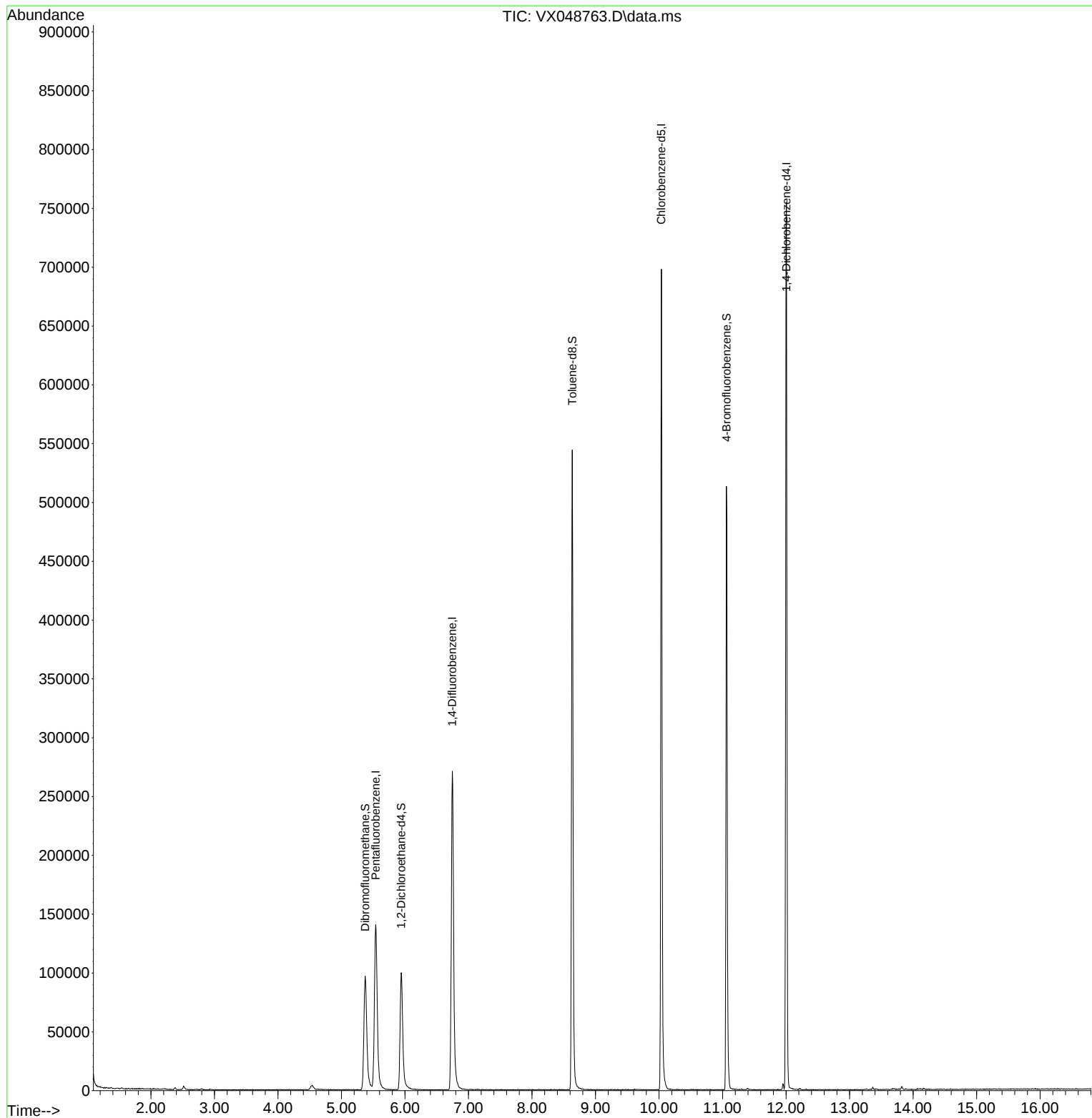
Target Compounds	Qvalue

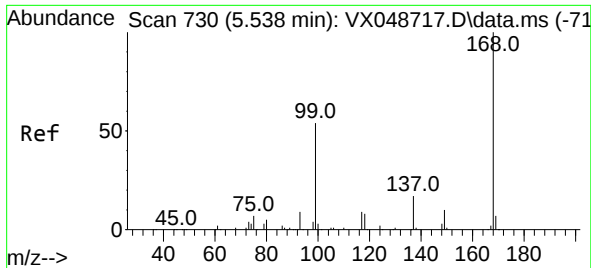
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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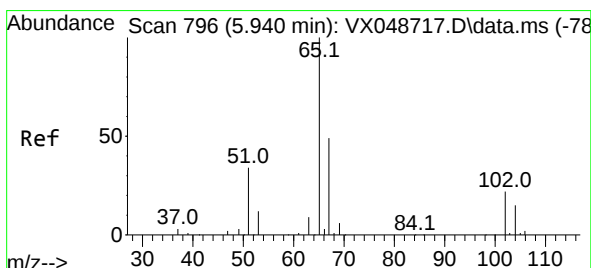
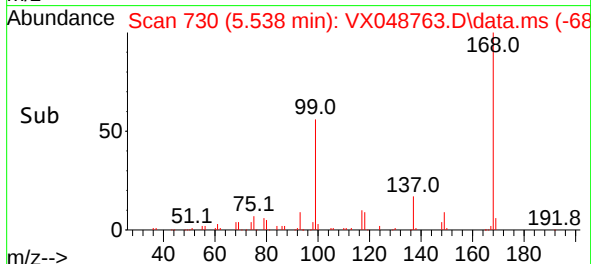
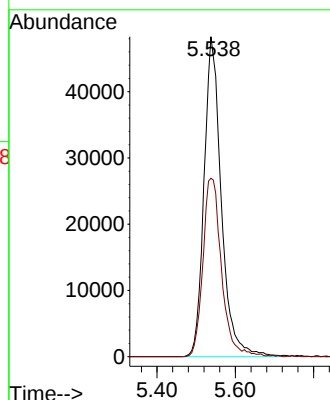
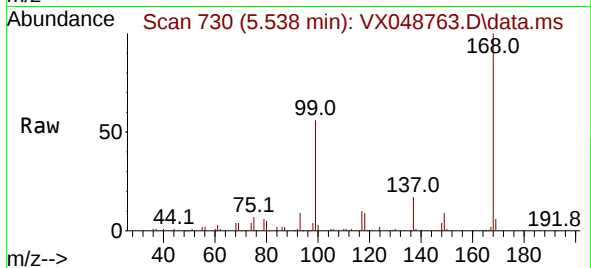




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 710
Delta R.T. -0.000 min
Lab File: VX048763.D
Acq: 08 Dec 2025 18:02

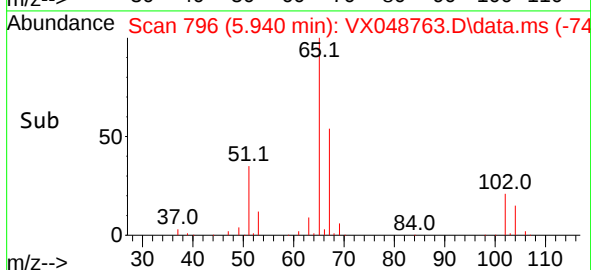
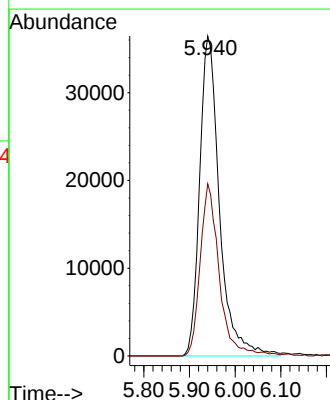
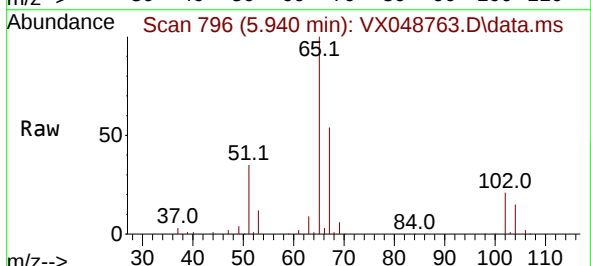
Instrument :
MSVOA_X
ClientSampleId :
TB01-120525

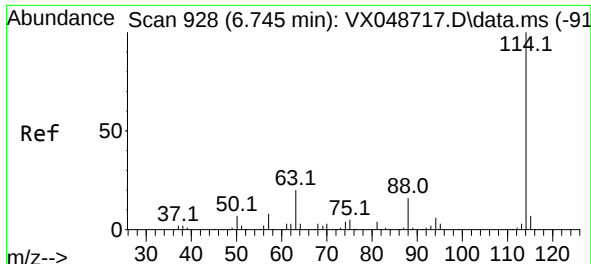
Tgt Ion:168 Resp: 147710
Ion Ratio Lower Upper
168 100
99 55.7 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 55.412 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048763.D
Acq: 08 Dec 2025 18:02

Tgt Ion: 65 Resp: 109857
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.4

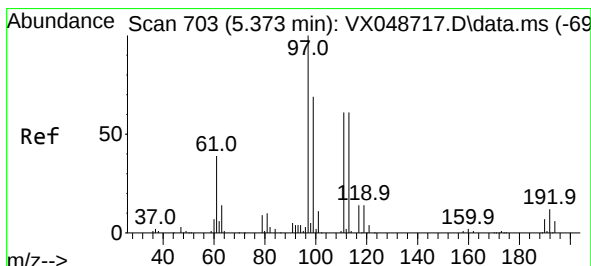
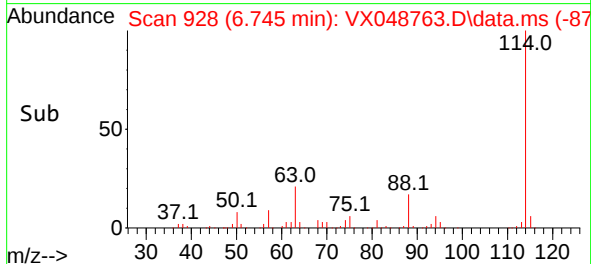
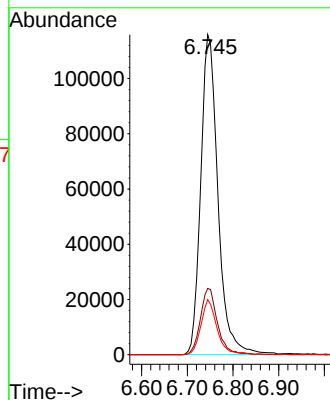
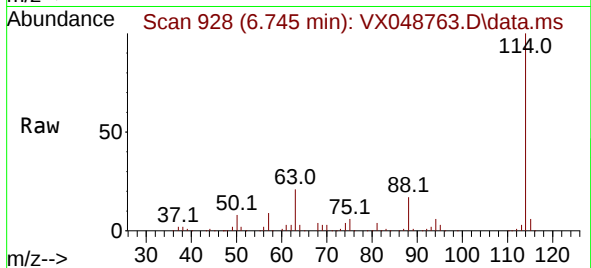




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX048763.D
Acq: 08 Dec 2025 18:02

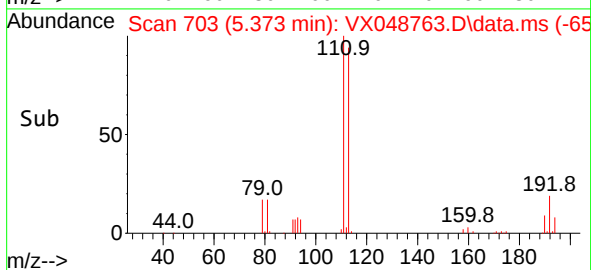
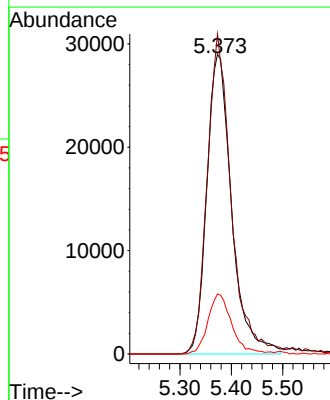
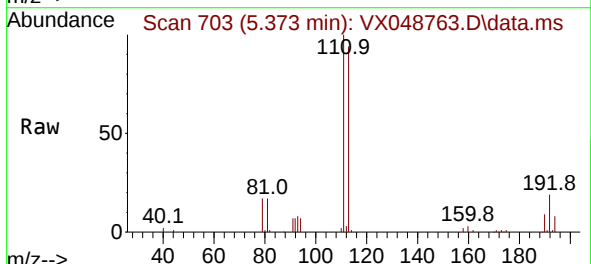
Instrument :
MSVOA_X
ClientSampleId :
TB01-120525

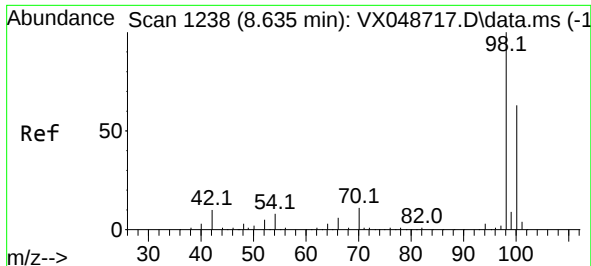
Tgt Ion:114 Resp: 303651
Ion Ratio Lower Upper
114 100
63 20.7 0.0 39.0
88 17.2 0.0 31.8



#35
Dibromofluoromethane
Concen: 46.510 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048763.D
Acq: 08 Dec 2025 18:02

Tgt Ion:113 Resp: 97240
Ion Ratio Lower Upper
113 100
111 102.8 79.5 119.3
192 19.3 16.1 24.1

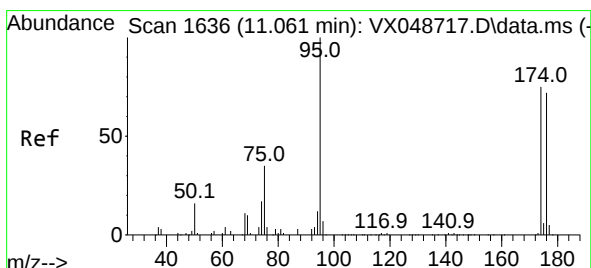
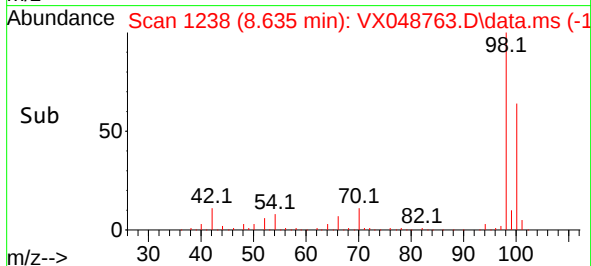
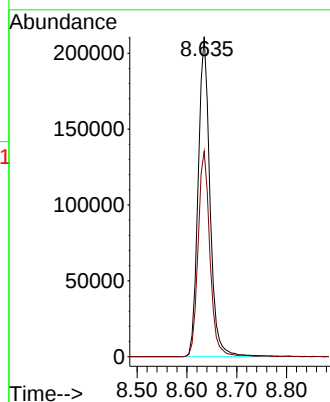
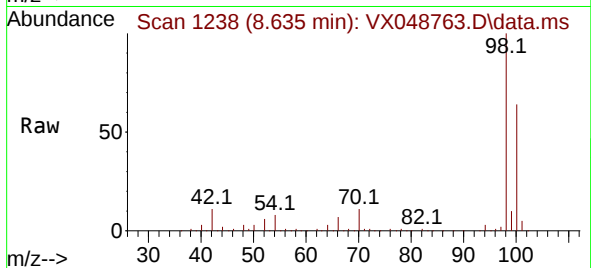




#50
Toluene-d8
Concen: 47.291 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048763.D
Acq: 08 Dec 2025 18:02

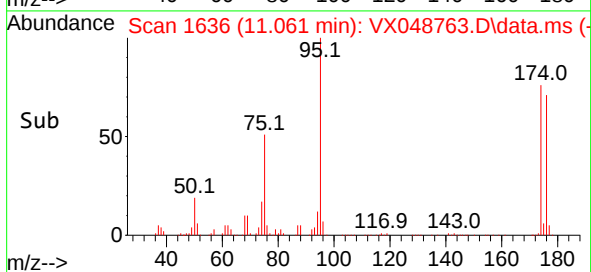
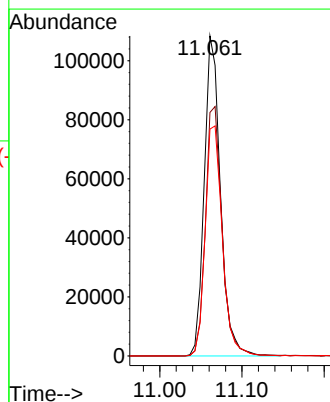
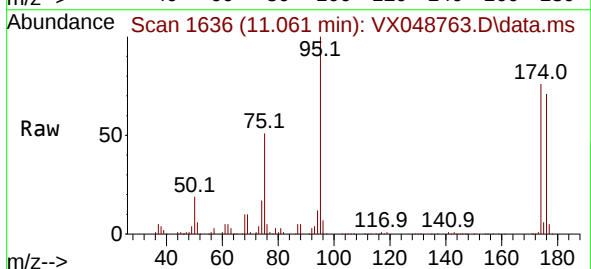
Instrument :
MSVOA_X
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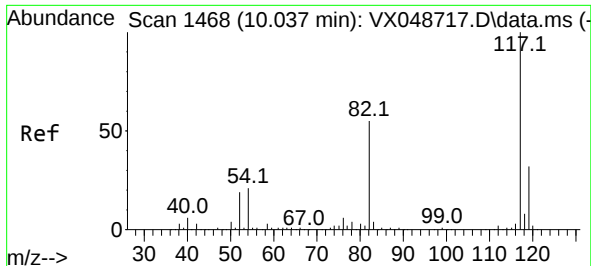
Tgt Ion: 98 Resp: 346584
Ion Ratio Lower Upper
98 100
100 64.2 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 58.740 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048763.D
Acq: 08 Dec 2025 18:02

Tgt Ion: 95 Resp: 148448
Ion Ratio Lower Upper
95 100
174 80.2 0.0 157.8
176 76.1 0.0 154.0

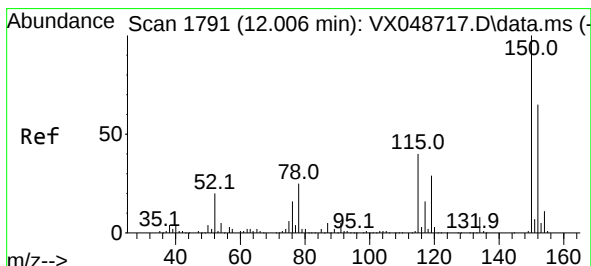
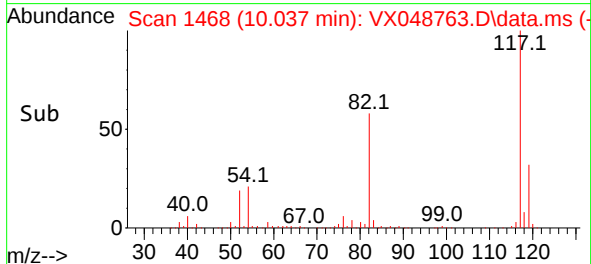
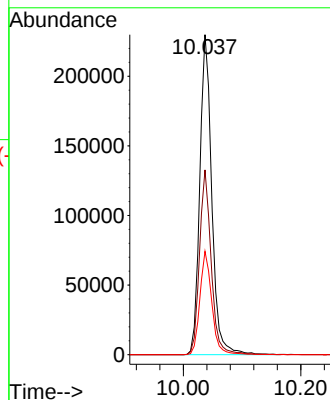
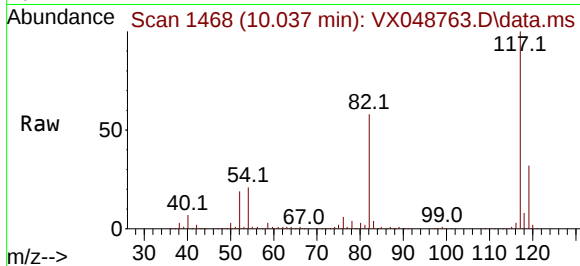




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048763.D
Acq: 08 Dec 2025 18:02

Instrument :
MSVOA_X
ClientSampleId :
TB01-120525

Tgt Ion:117 Resp: 326109
Ion Ratio Lower Upper
117 100
82 57.8 44.1 66.1
119 32.3 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: VX048763.D
Acq: 08 Dec 2025 18:02

Tgt Ion:152 Resp: 173863
Ion Ratio Lower Upper
152 100
115 59.2 42.1 126.4
150 154.1 0.0 347.8

