

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048243.D
 Acq On : 20 Oct 2025 16:59
 Operator : JC/MD
 Sample : Q3371-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-TB-20251010

Quant Time: Oct 20 18:43:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	102838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	175007	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	162020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	76063	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	68622	47.593	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.180%
35) Dibromofluoromethane	5.373	113	54851	45.910	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.820%
50) Toluene-d8	8.634	98	184696	44.104	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	88.200%#
62) 4-Bromofluorobenzene	11.067	95	67957	42.656	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.320%

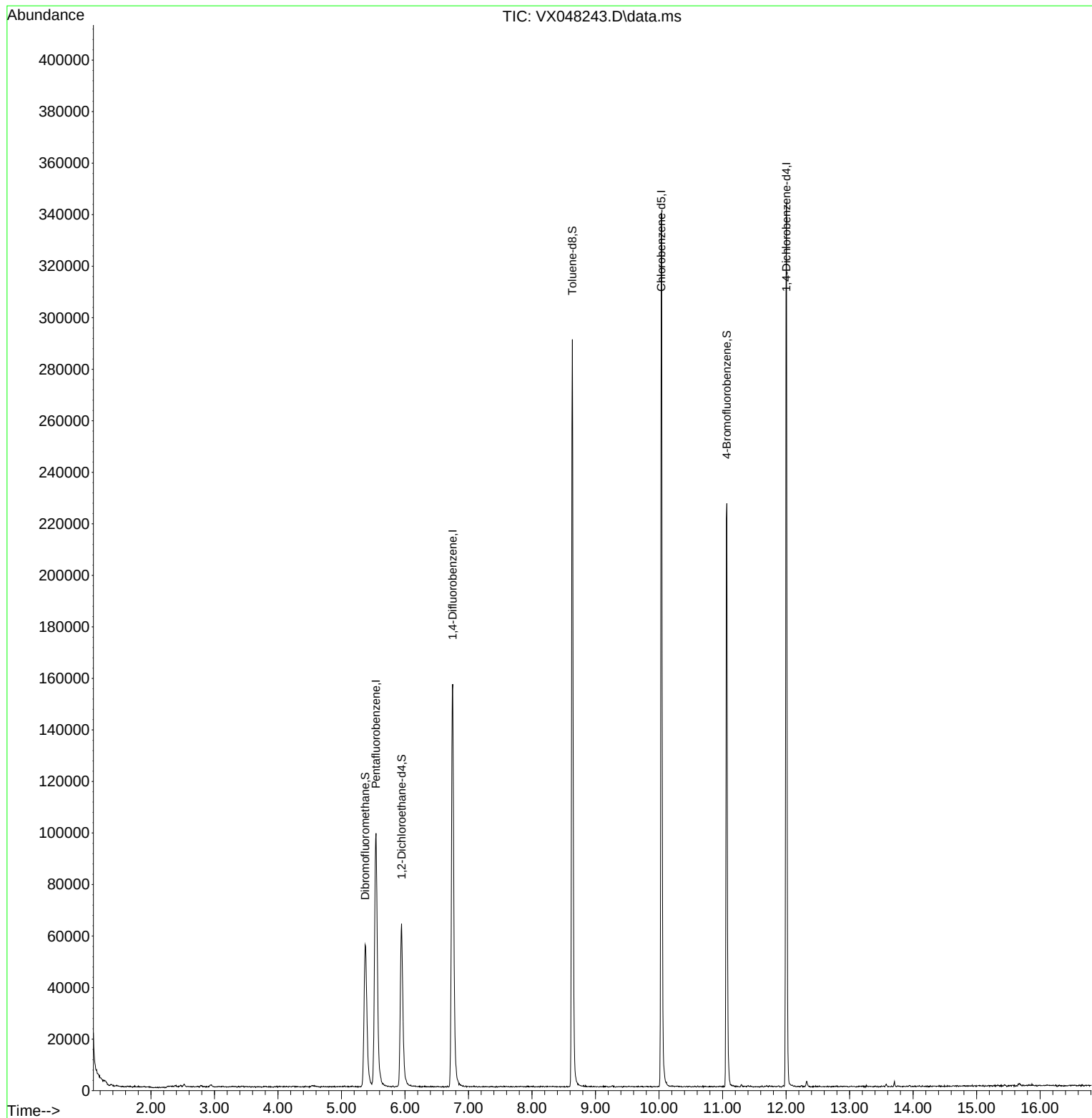
Target Compounds	Qvalue

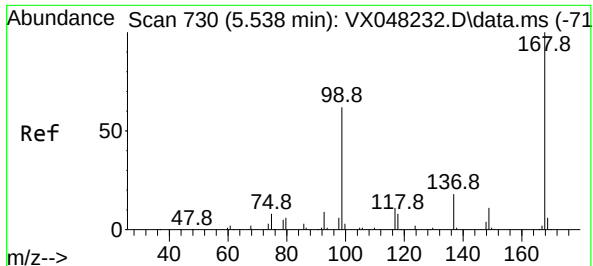
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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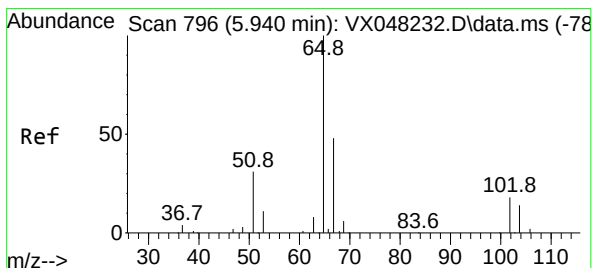
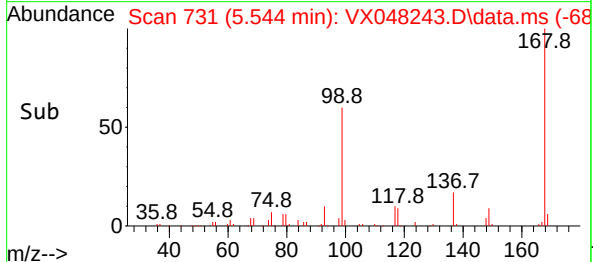
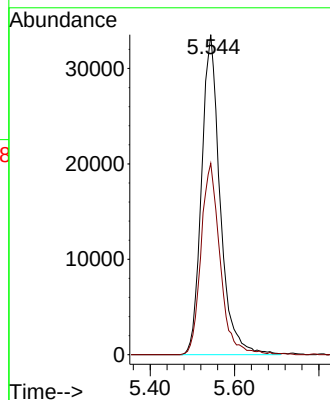
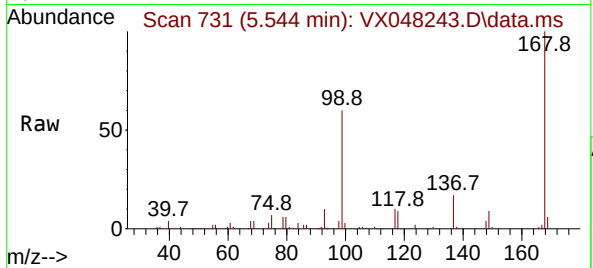




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

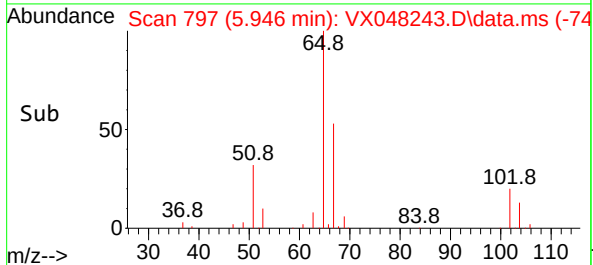
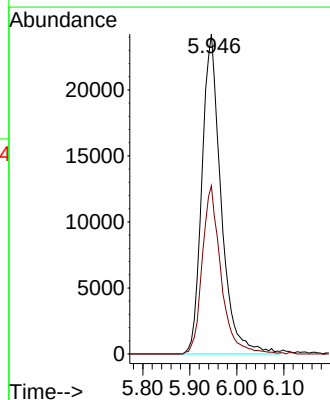
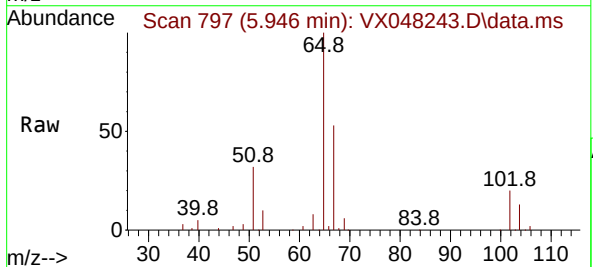
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20251010

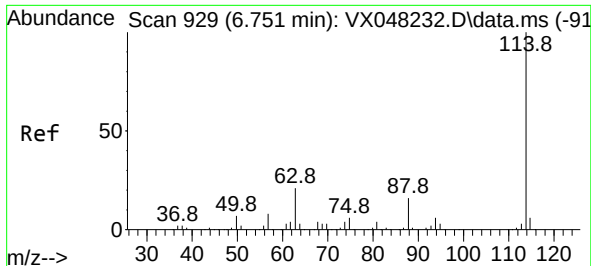
Tgt Ion:168 Resp: 102838
Ion Ratio Lower Upper
168 100
99 59.8 46.4 69.6



#33
1,2-Dichloroethane-d4
Concen: 47.593 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

Tgt Ion: 65 Resp: 68622
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.0

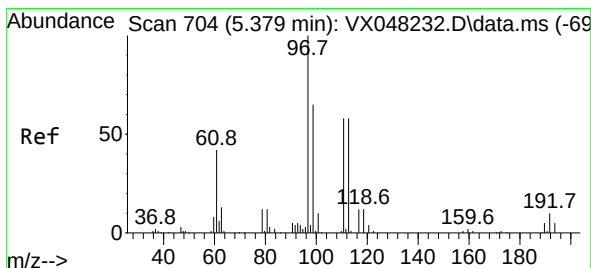
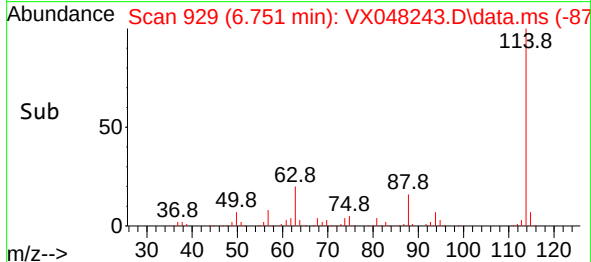
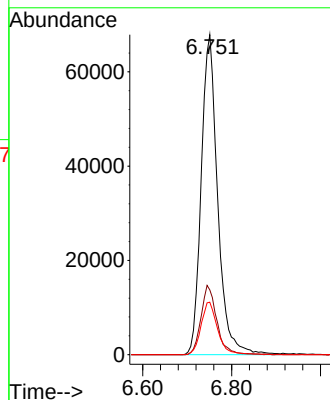
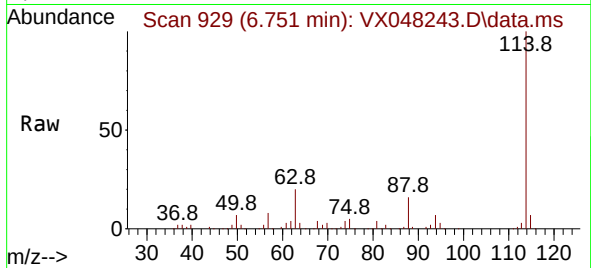




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

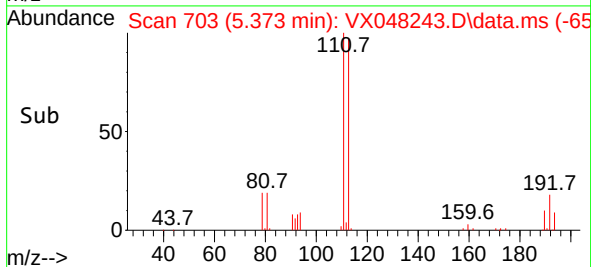
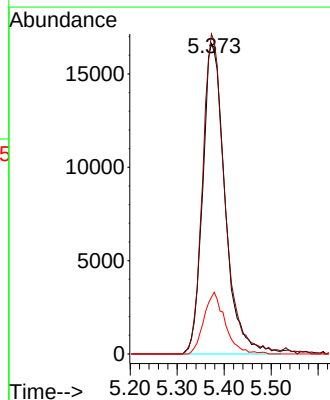
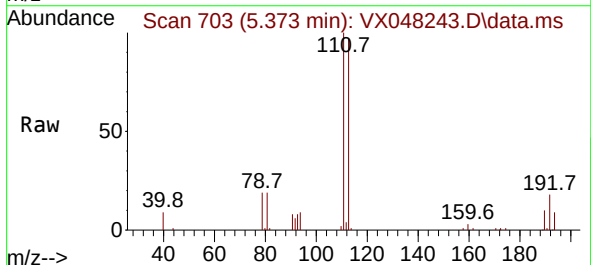
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20251010

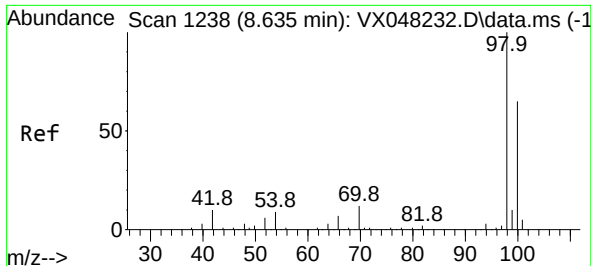
Tgt Ion:114 Resp: 175007
Ion Ratio Lower Upper
114 100
63 20.2 0.0 43.2
88 16.4 0.0 33.6



#35
Dibromofluoromethane
Concen: 45.910 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

Tgt Ion:113 Resp: 54851
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 19.0 15.1 22.7

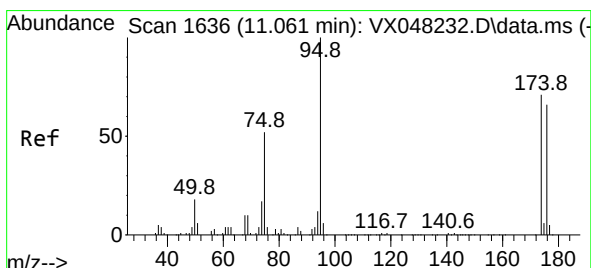
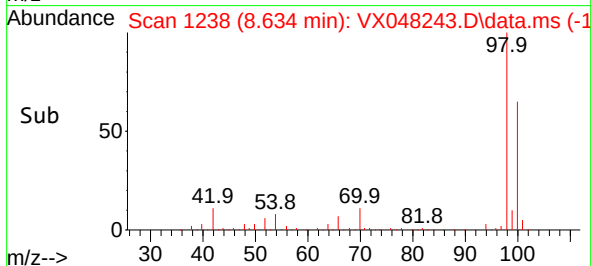
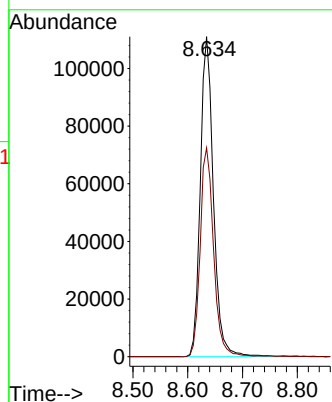
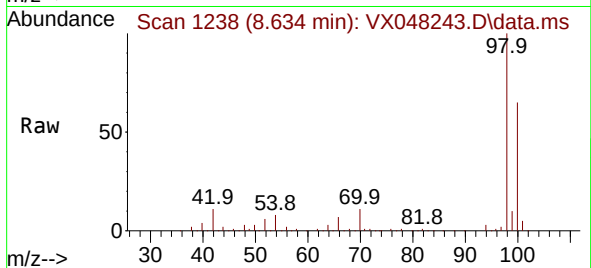




#50
Toluene-d8
Concen: 44.104 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

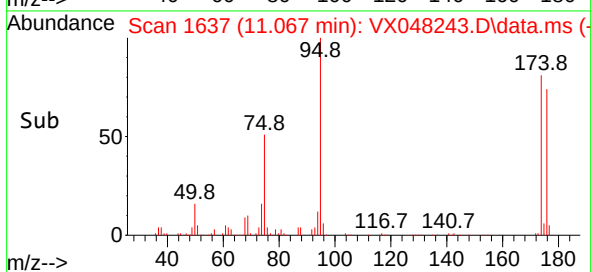
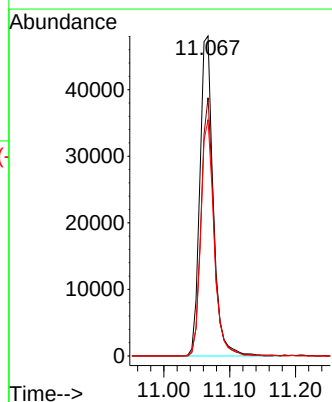
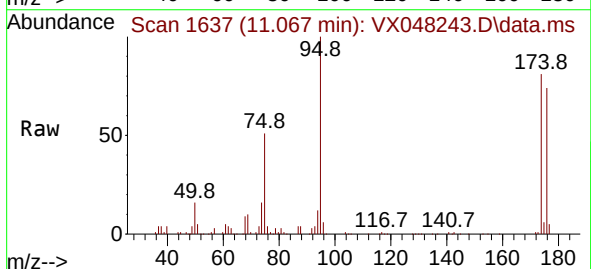
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20251010

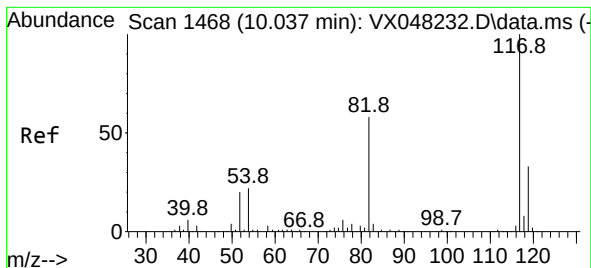
Tgt Ion: 98 Resp: 184696
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 42.656 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048243.D
Acq: 20 Oct 2025 16:59

Tgt Ion: 95 Resp: 67957
Ion Ratio Lower Upper
95 100
174 77.4 0.0 147.8
176 73.2 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: VX048243.D

Acq: 20 Oct 2025 16:59

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-TB-20251010

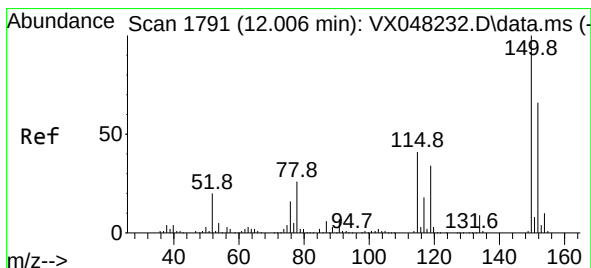
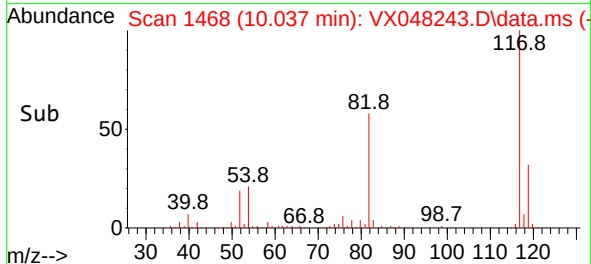
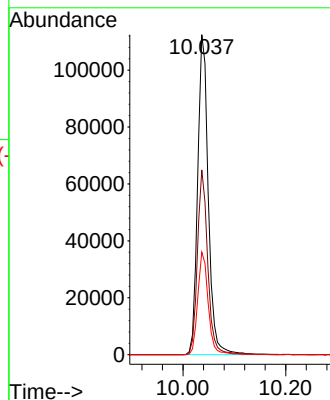
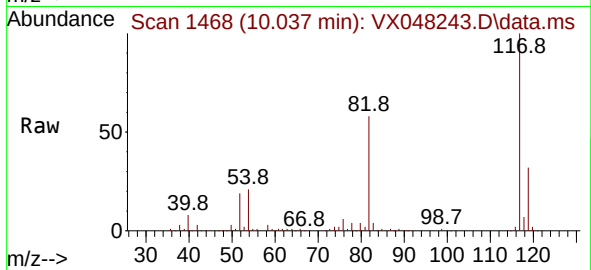
Tgt Ion:117 Resp: 162020

Ion Ratio Lower Upper

117 100

82 57.7 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: VX048243.D

Acq: 20 Oct 2025 16:59

Tgt Ion:152 Resp: 76063

Ion Ratio Lower Upper

152 100

115 61.3 43.1 129.4

150 156.0 0.0 353.0

