

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101025\
 Data File : VX048105.D
 Acq On : 10 Oct 2025 12:50
 Operator : JC/MD
 Sample : Q3324-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-TB-20251006

Quant Time: Oct 10 23:46:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	114051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	233030	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	242170	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	121909	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	89474	49.286	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.580%
35) Dibromofluoromethane	5.379	113	73304	46.905	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.800%
50) Toluene-d8	8.635	98	253162	46.815	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.640%
62) 4-Bromofluorobenzene	11.061	95	109956	53.577	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.160%

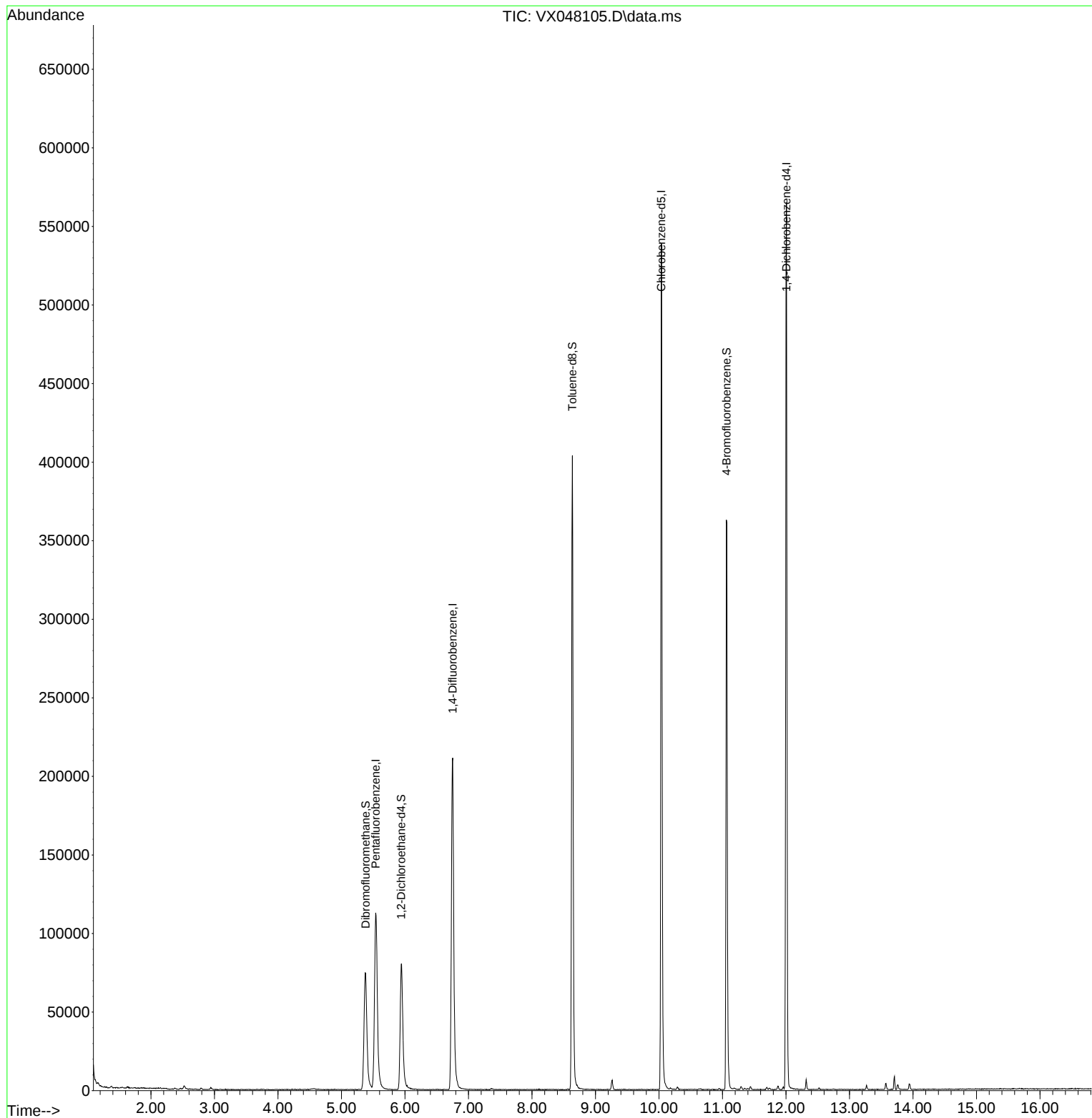
Target Compounds	Qvalue

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

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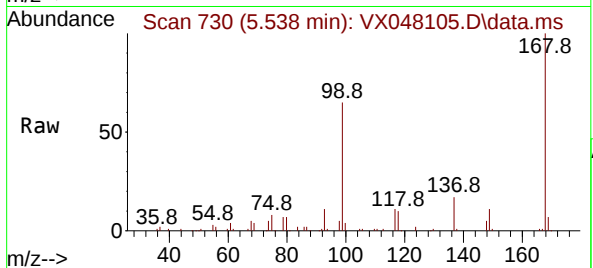
Quant Time: Oct 10 23:46:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
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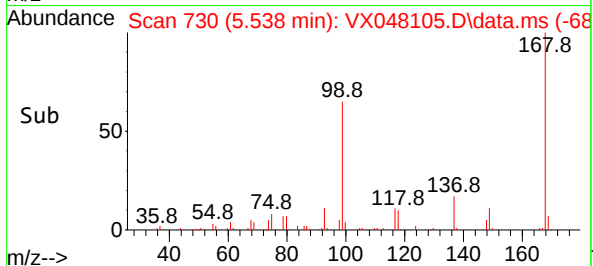
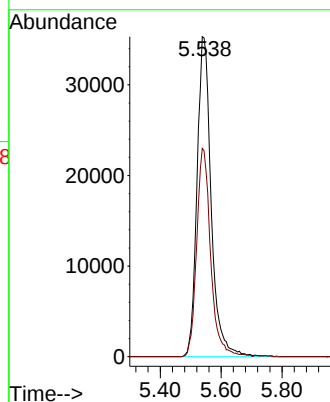


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048105.D
Acq: 10 Oct 2025 12:50

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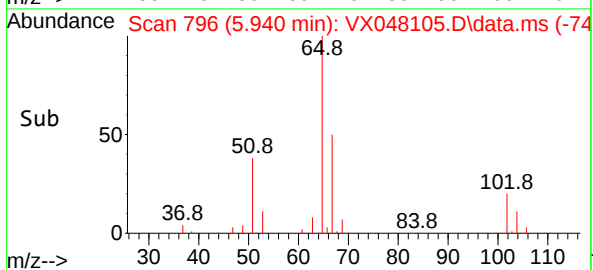
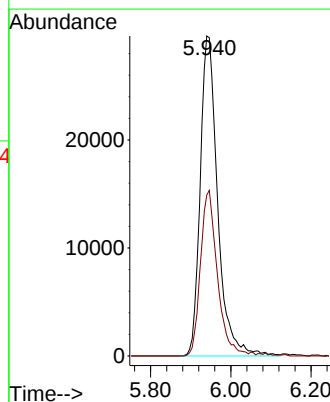
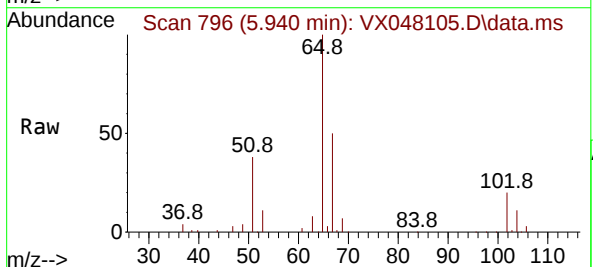


Tgt Ion:168 Resp: 114051
Ion Ratio Lower Upper
168 100
99 65.1 48.8 73.2



#33
1,2-Dichloroethane-d4
Concen: 49.286 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048105.D
Acq: 10 Oct 2025 12:50

Tgt Ion: 65 Resp: 89474
Ion Ratio Lower Upper
65 100
67 50.0 0.0 103.0

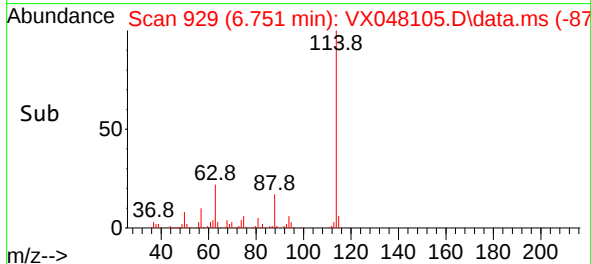
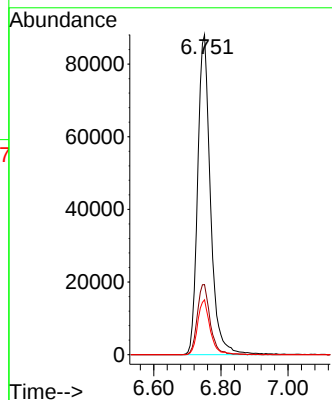
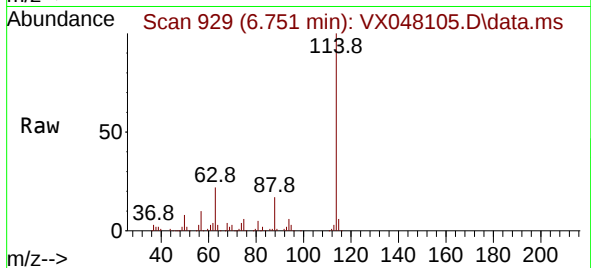




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048105.D
Acq: 10 Oct 2025 12:50

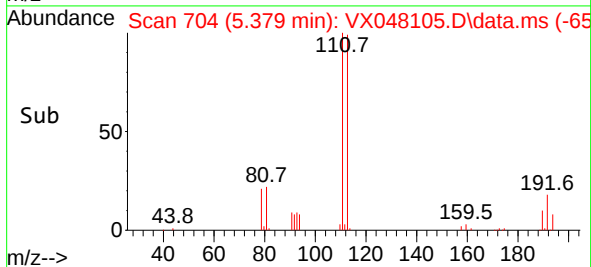
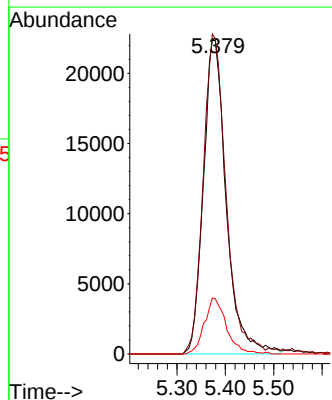
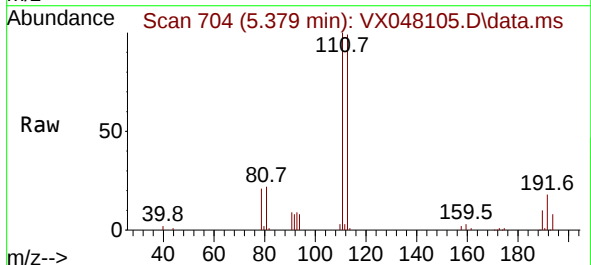
Instrument :
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Tgt Ion:114 Resp: 233030
Ion Ratio Lower Upper
114 100
63 21.9 0.0 44.0
88 17.1 0.0 34.2



#35
Dibromofluoromethane
Concen: 46.905 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048105.D
Acq: 10 Oct 2025 12:50

Tgt Ion:113 Resp: 73304
Ion Ratio Lower Upper
113 100
111 101.9 80.9 121.3
192 17.2 14.2 21.4

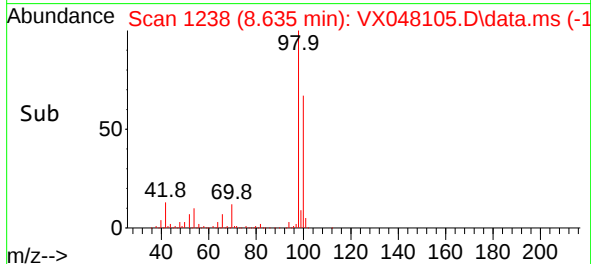
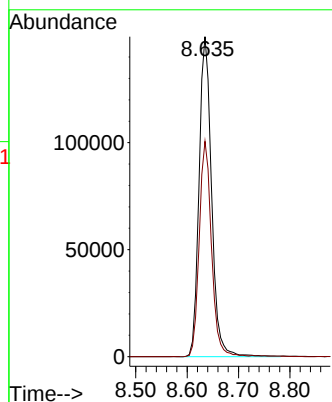
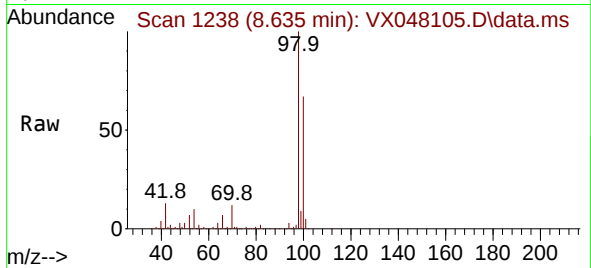




#50
Toluene-d8
Concen: 46.815 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048105.D
Acq: 10 Oct 2025 12:50

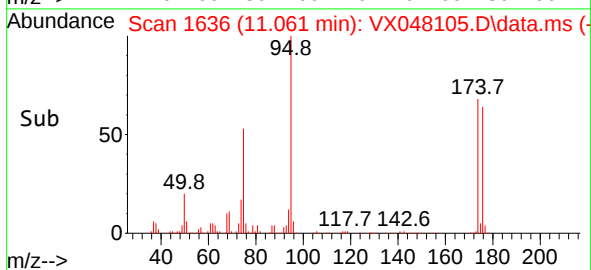
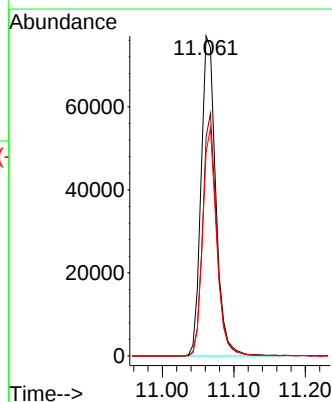
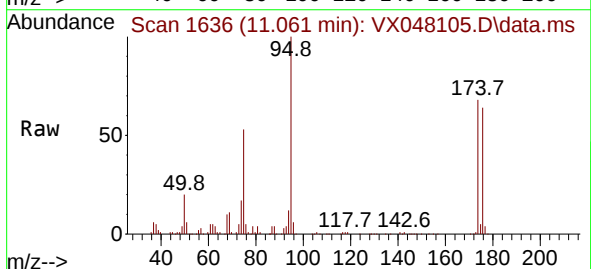
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20251006

Tgt Ion: 98 Resp: 253162
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 53.577 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048105.D
Acq: 10 Oct 2025 12:50

Tgt Ion: 95 Resp: 109956
Ion Ratio Lower Upper
95 100
174 72.2 0.0 141.6
176 68.6 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX048105.D

Acq: 10 Oct 2025 12:50

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-TB-20251006

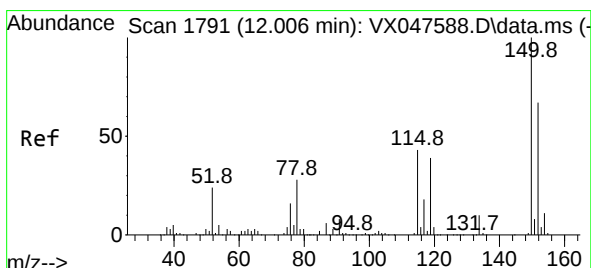
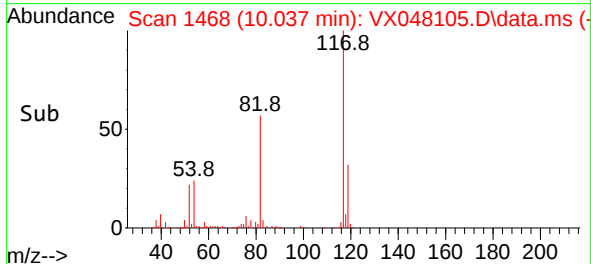
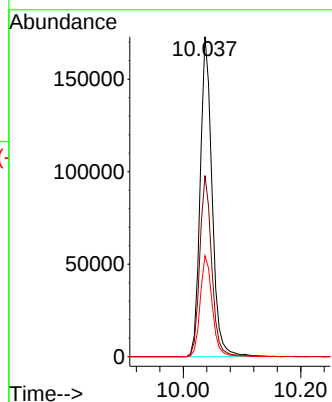
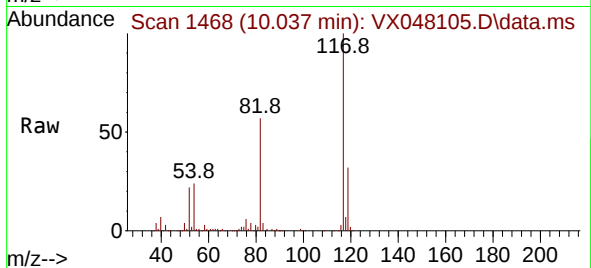
Tgt Ion:117 Resp: 242170

Ion Ratio Lower Upper

117 100

82 56.6 47.8 71.6

119 31.6 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: VX048105.D

Acq: 10 Oct 2025 12:50

Tgt Ion:152 Resp: 121909

Ion Ratio Lower Upper

152 100

115 61.7 44.9 134.5

150 157.7 0.0 352.0

