

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
 Data File : VX048148.D
 Acq On : 13 Oct 2025 17:13
 Operator : JC/MD
 Sample : Q3311-02 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-219

Quant Time: Oct 14 01:57:59 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)

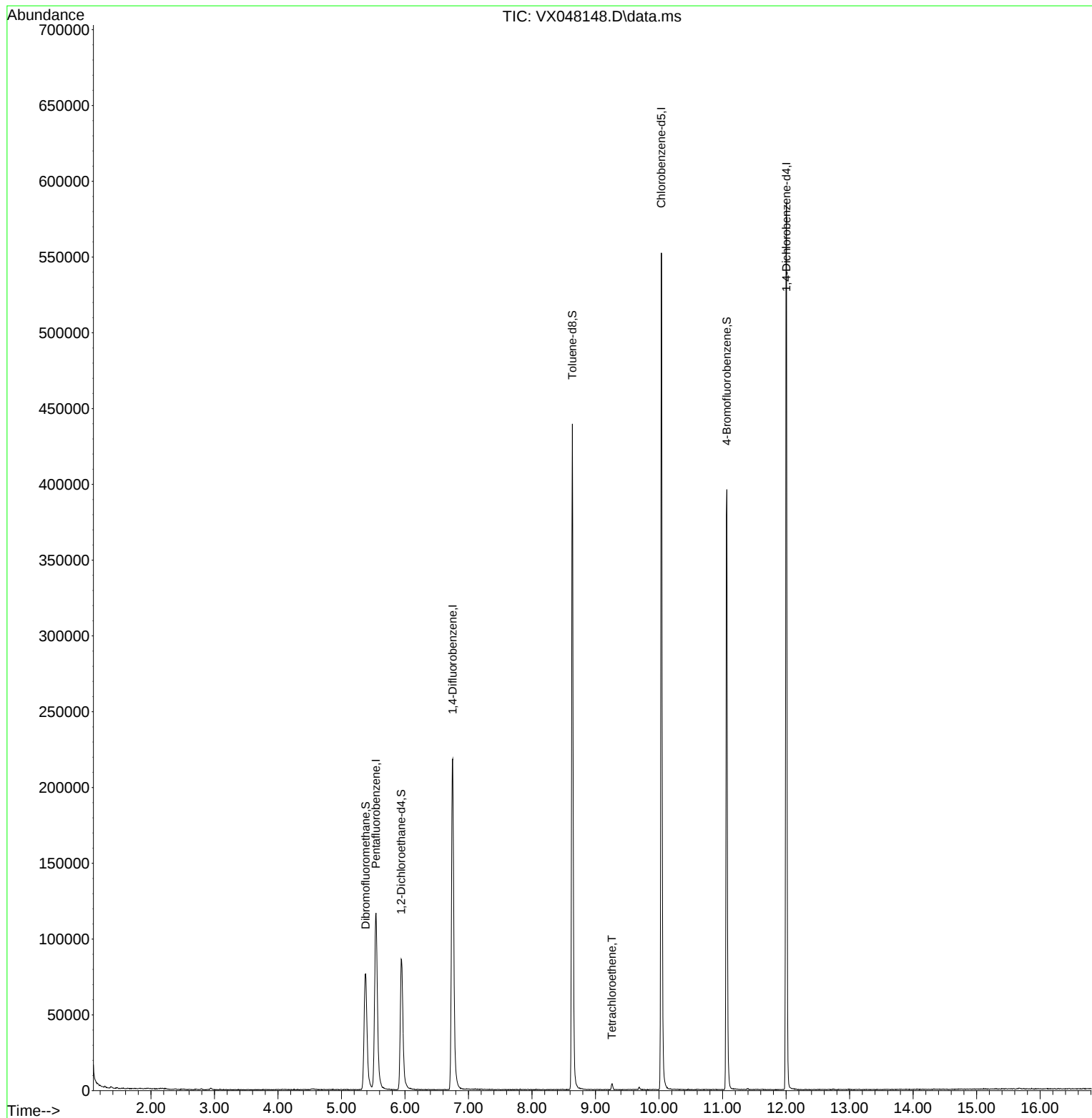
Internal Standards						
1) Pentafluorobenzene	5.544	168	116144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	238626	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	251599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	128285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	96549	52.225	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.440%
35) Dibromofluoromethane	5.379	113	76588	47.857	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.720%
50) Toluene-d8	8.635	98	267434	48.295	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.580%
62) 4-Bromofluorobenzene	11.067	95	115786	55.094	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	110.180%
Target Compounds						
64) Tetrachloroethene	9.256	164	825	0.503	ug/l	89

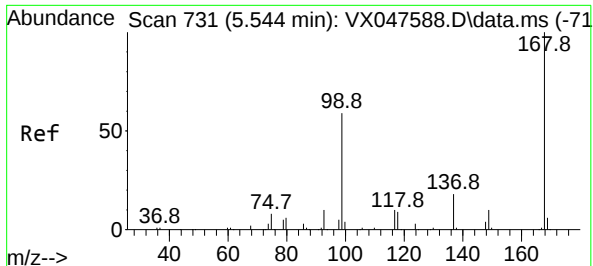
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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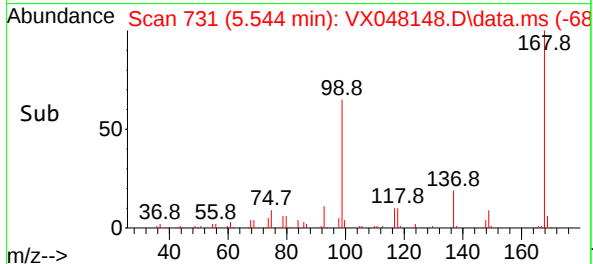
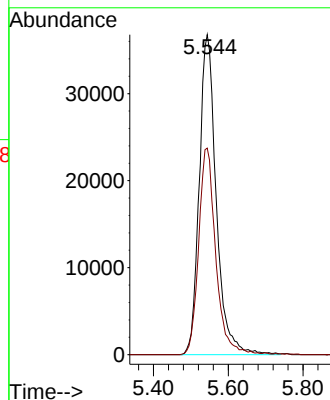
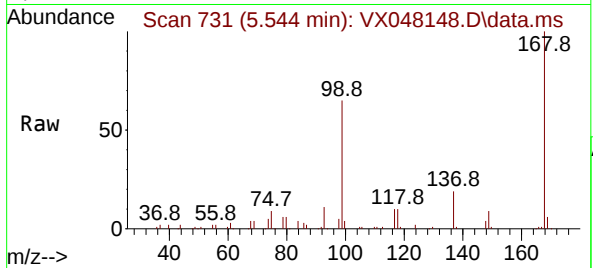




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX048148.D
Acq: 13 Oct 2025 17:13

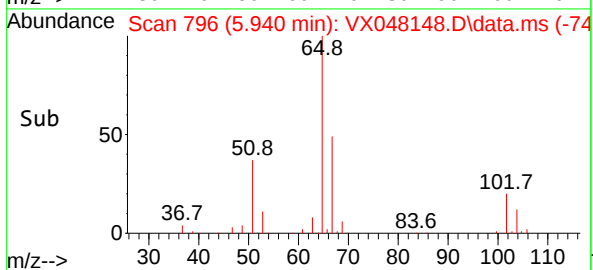
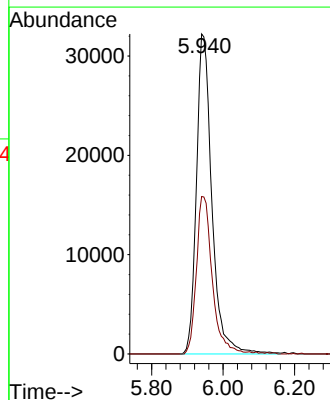
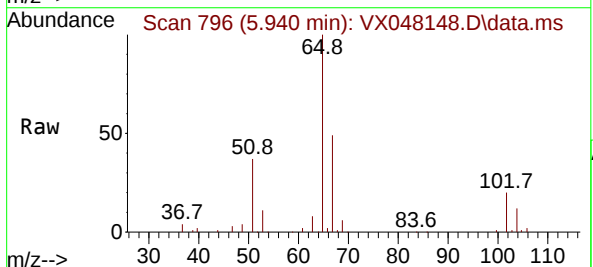
Instrument :
MSVOA_X
ClientSampleId :
MW-219

Tgt Ion:168 Resp: 116144
Ion Ratio Lower Upper
168 100
99 64.5 48.8 73.2



#33
1,2-Dichloroethane-d4
Concen: 52.225 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048148.D
Acq: 13 Oct 2025 17:13

Tgt Ion: 65 Resp: 96549
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.0

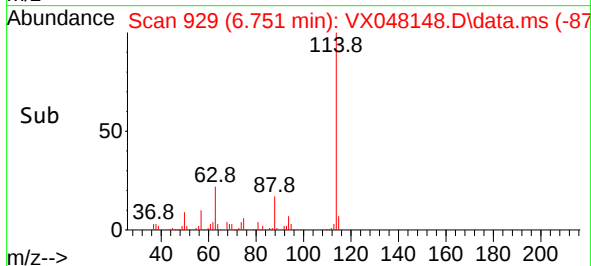
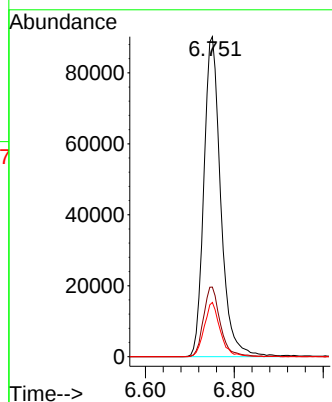
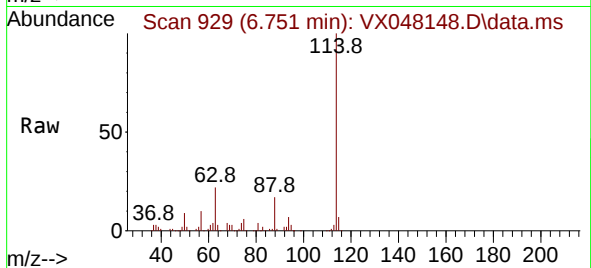




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048148.D
Acq: 13 Oct 2025 17:13

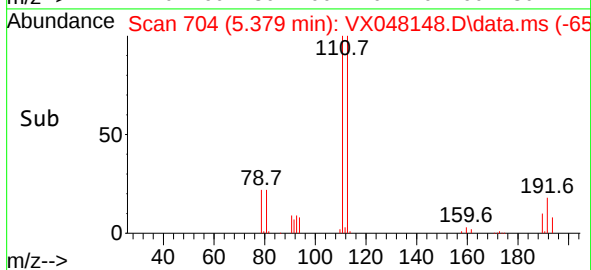
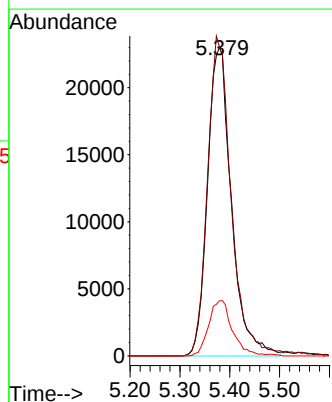
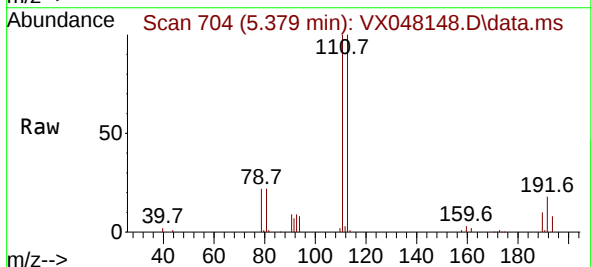
Instrument :
MSVOA_X
ClientSampleId :
MW-219

Tgt Ion:114 Resp: 238626
Ion Ratio Lower Upper
114 100
63 21.8 0.0 44.0
88 16.9 0.0 34.2



#35
Dibromofluoromethane
Concen: 47.857 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048148.D
Acq: 13 Oct 2025 17:13

Tgt Ion:113 Resp: 76588
Ion Ratio Lower Upper
113 100
111 102.3 80.9 121.3
192 17.8 14.2 21.4

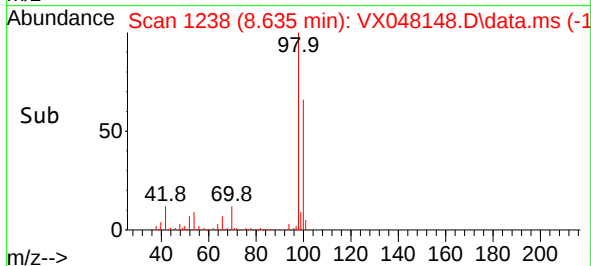
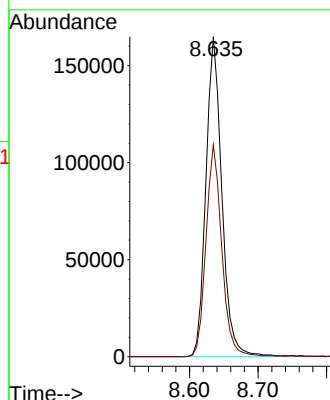
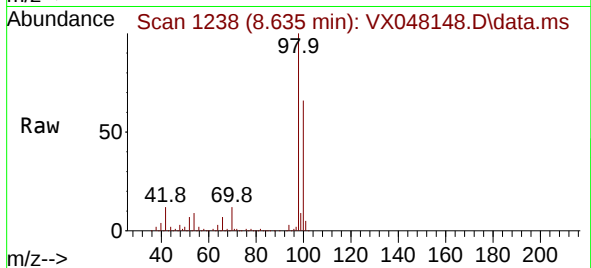




#50
Toluene-d8
Concen: 48.295 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048148.D
Acq: 13 Oct 2025 17:13

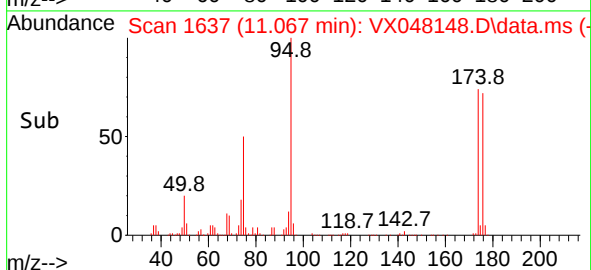
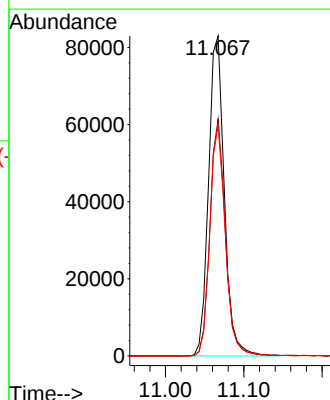
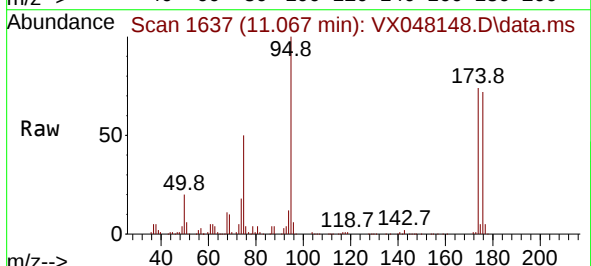
Instrument :
MSVOA_X
ClientSampleId :
MW-219

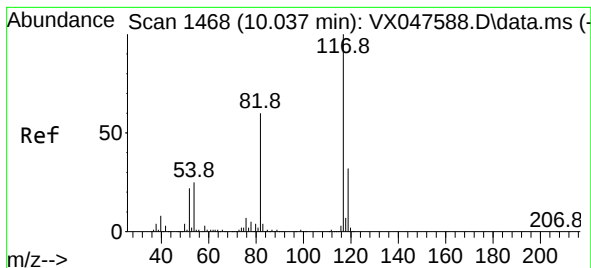
Tgt Ion: 98 Resp: 267434
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 55.094 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048148.D
Acq: 13 Oct 2025 17:13

Tgt Ion: 95 Resp: 115786
Ion Ratio Lower Upper
95 100
174 72.6 0.0 141.6
176 70.7 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: VX048148.D

Acq: 13 Oct 2025 17:13

Instrument :

MSVOA_X

ClientSampleId :

MW-219

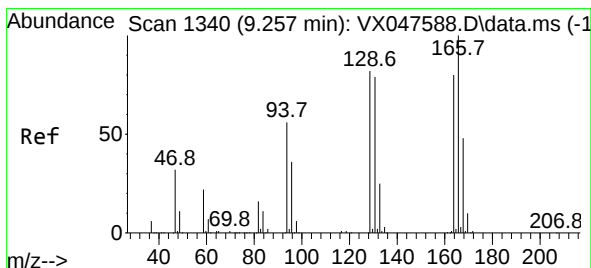
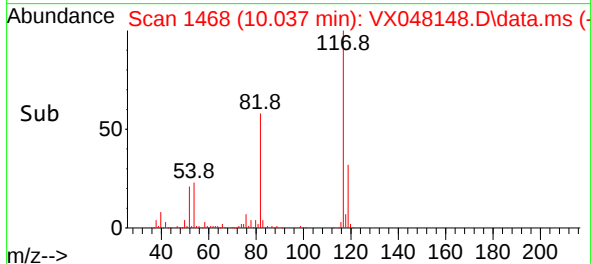
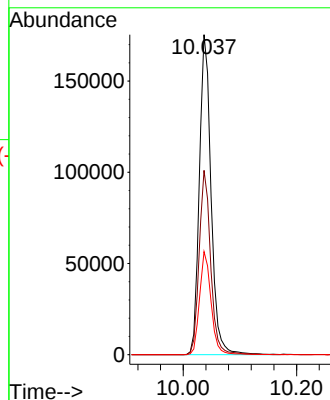
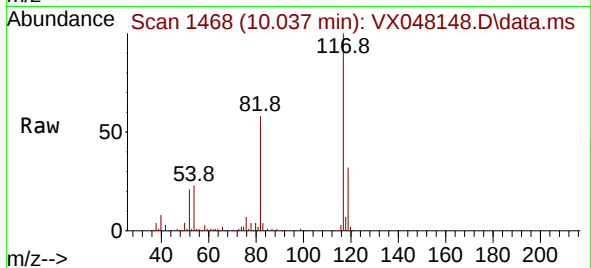
Tgt Ion:117 Resp: 251599

Ion Ratio Lower Upper

117 100

82 57.6 47.8 71.6

119 32.2 25.2 37.8



#64

Tetrachloroethene

Concen: 0.503 ug/l

RT: 9.256 min Scan# 1340

Delta R.T. -0.000 min

Lab File: VX048148.D

Acq: 13 Oct 2025 17:13

Tgt Ion:164 Resp: 825

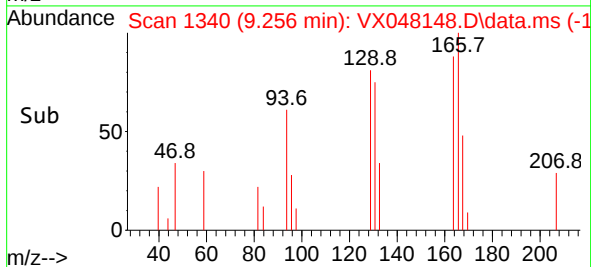
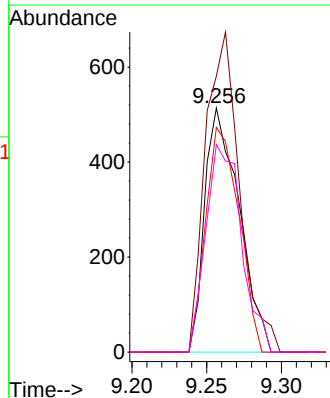
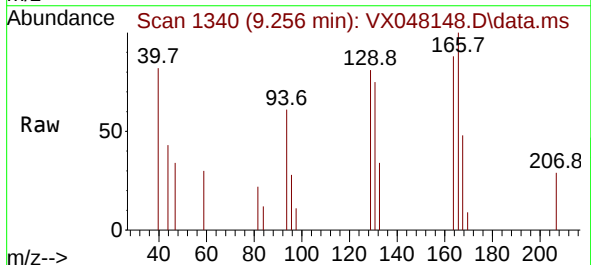
Ion Ratio Lower Upper

164 100

166 113.0 100.2 150.2

129 92.0 81.8 122.6

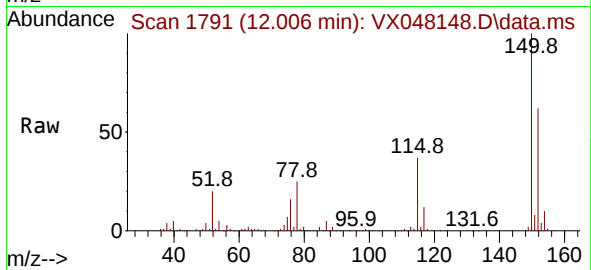
131 85.0 78.6 118.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048148.D
 Acq: 13 Oct 2025 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-219



Tgt Ion:152 Resp: 128285
 Ion Ratio Lower Upper
 152 100
 115 62.1 44.9 134.5
 150 160.4 0.0 352.0

