

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121125\
 Data File : VX048832.D
 Acq On : 11 Dec 2025 17:21
 Operator : JC/MD
 Sample : Q3835-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11B-37.5-121025

Quant Time: Dec 11 23:53:45 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)

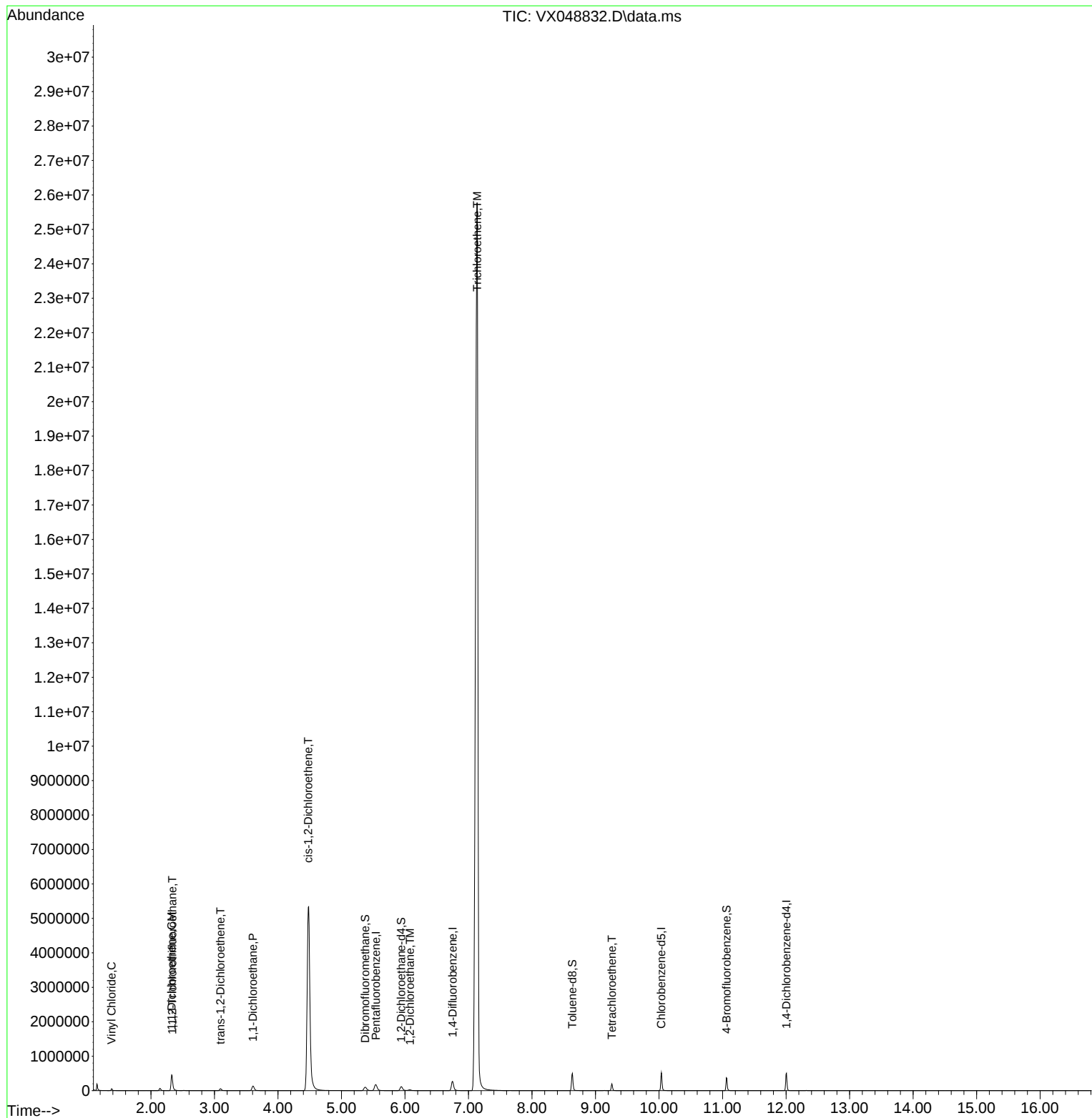
Internal Standards						
1) Pentafluorobenzene	5.544	168	184411	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	307688	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	247986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	112926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	125762	50.810	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.620%	
35) Dibromofluoromethane	5.373	113	101654	47.983	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.960%	
50) Toluene-d8	8.635	98	319681	43.048	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 86.100%#	
62) 4-Bromofluorobenzene	11.061	95	107610	42.022	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 84.040%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.380	62	42502	16.831	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	25655	12.228	ug/l	98
12) 1,1-Dichloroethene	2.325	96	167588	78.261	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	26424	12.090	ug/l	92
24) 1,1-Dichloroethane	3.605	63	171562	45.787	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	3881386	1573.792	ug/l	95
42) 1,2-Dichloroethane	6.080	62	30409	9.988	ug/l	98
44) Trichloroethene	7.135	130	11882791	5294.317	ug/l	89
64) Tetrachloroethene	9.257	164	39330	21.758	ug/l	97

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

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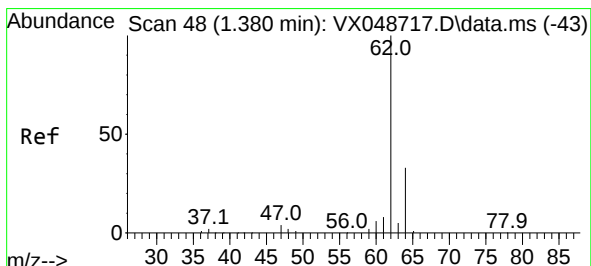
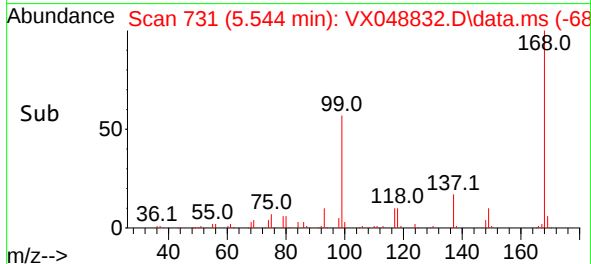
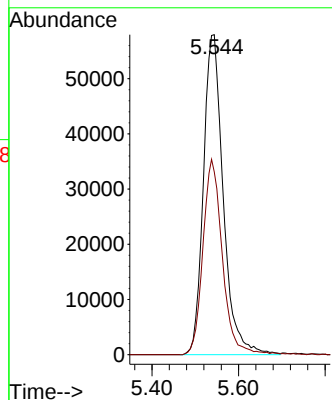
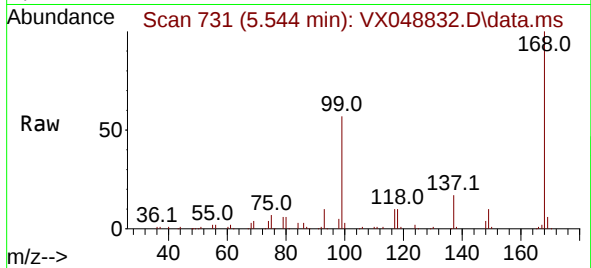




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

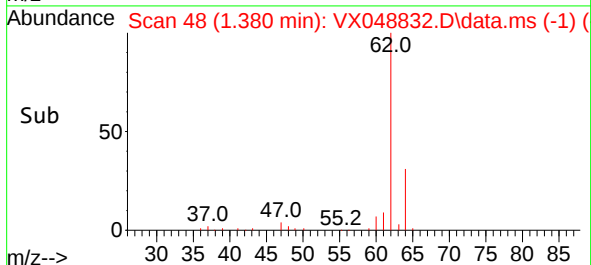
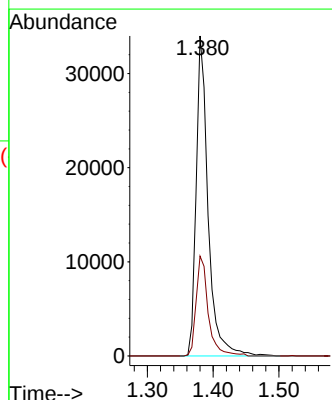
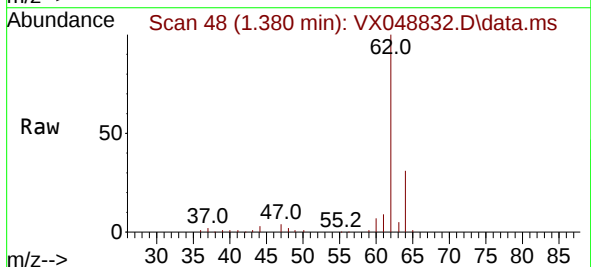
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025

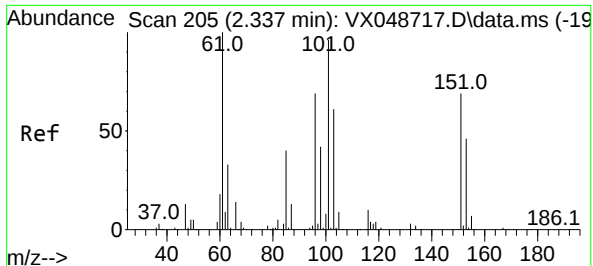
Tgt Ion:168 Resp: 184411
Ion Ratio Lower Upper
168 100
99 57.1 44.2 66.4



#4
Vinyl Chloride
Concen: 16.831 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

Tgt Ion: 62 Resp: 42502
Ion Ratio Lower Upper
62 100
64 31.2 26.0 39.0

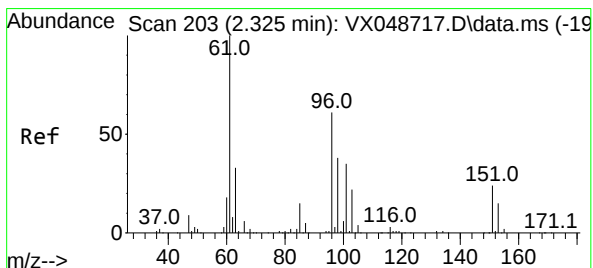
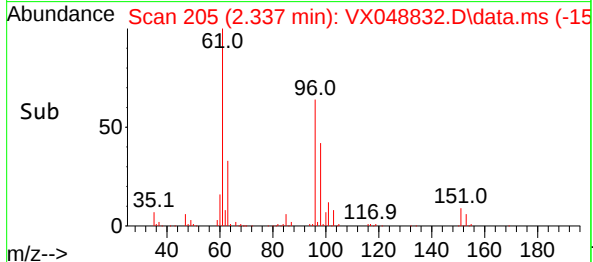
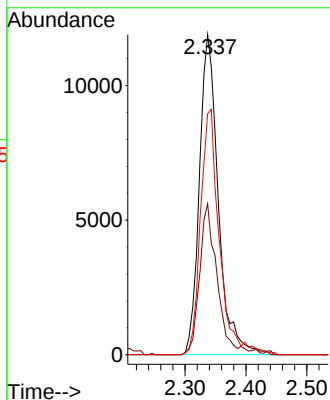
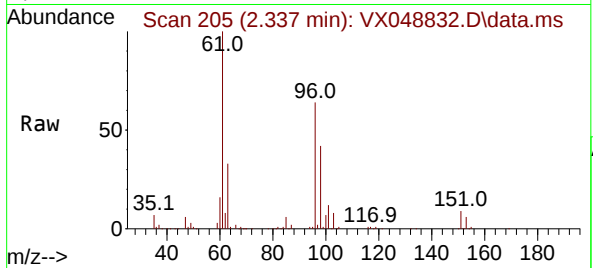




#9
1,1,2-Trichlorotrifluoroethane
Concen: 12.228 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

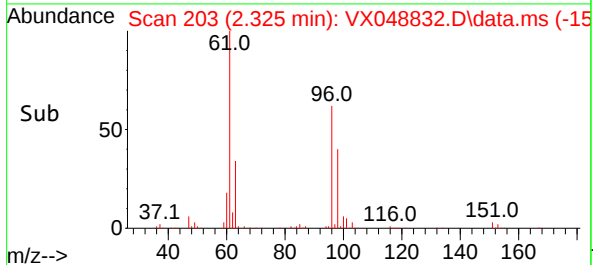
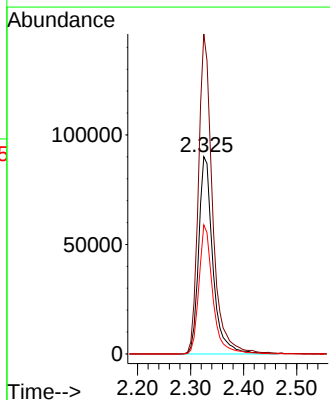
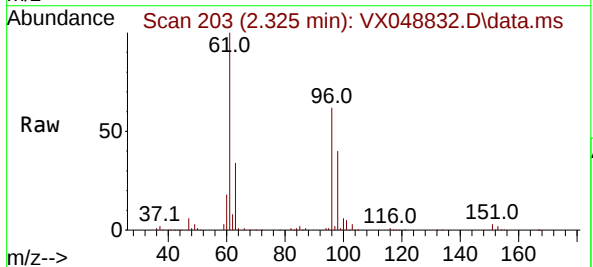
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025

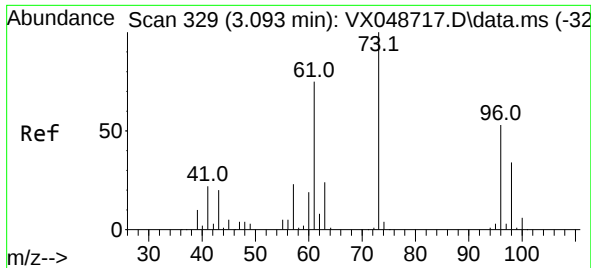
Tgt Ion:101 Resp: 25655
Ion Ratio Lower Upper
101 100
85 44.4 34.2 51.2
151 76.5 60.2 90.4



#12
1,1-Dichloroethene
Concen: 78.261 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

Tgt Ion: 96 Resp: 167588
Ion Ratio Lower Upper
96 100
61 162.2 130.7 196.1
98 65.4 49.8 74.8

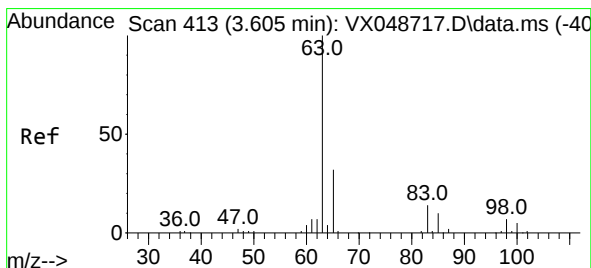
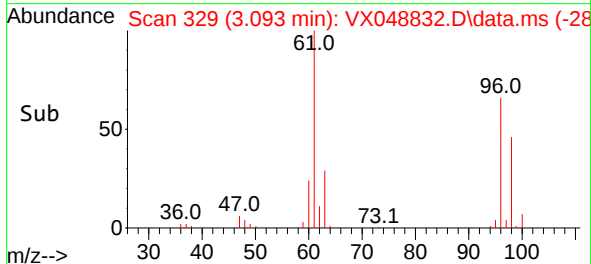
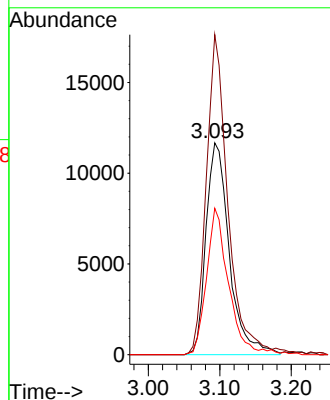
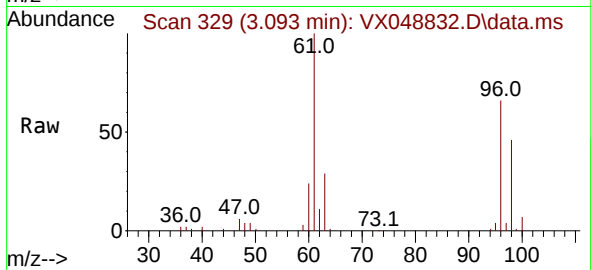




#21
trans-1,2-Dichloroethene
Concen: 12.090 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

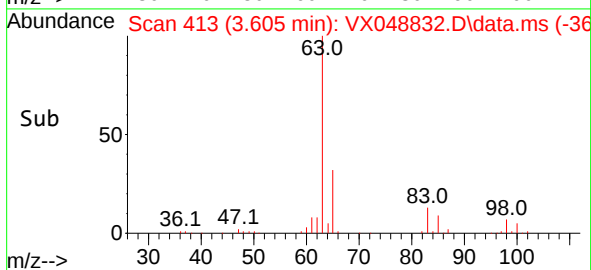
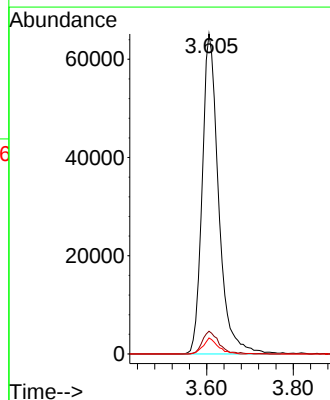
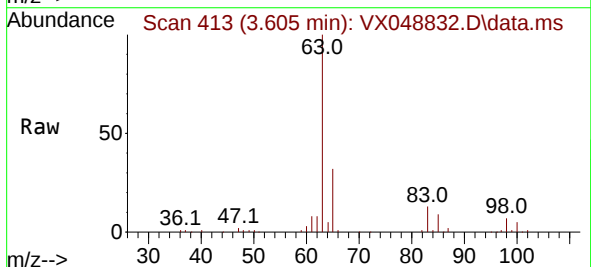
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025

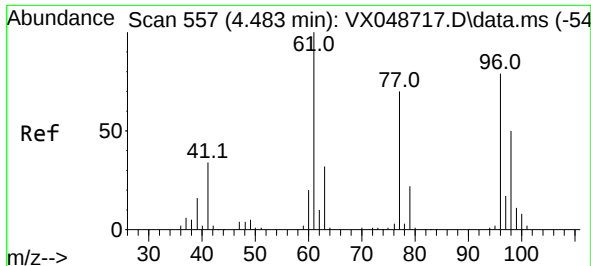
Tgt Ion: 96 Resp: 26424
Ion Ratio Lower Upper
96 100
61 151.0 112.8 169.2
98 69.1 51.0 76.4



#24
1,1-Dichloroethane
Concen: 45.787 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

Tgt Ion: 63 Resp: 171562
Ion Ratio Lower Upper
63 100
98 7.1 3.5 10.6
100 5.0 2.5 7.4





#27

cis-1,2-Dichloroethene

Concen: 1573.792 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.006 min

Lab File: VX048832.D

Acq: 11 Dec 2025 17:21

Instrument :

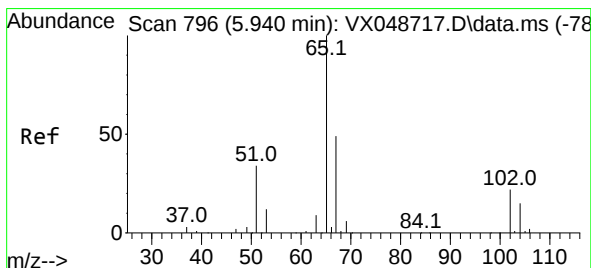
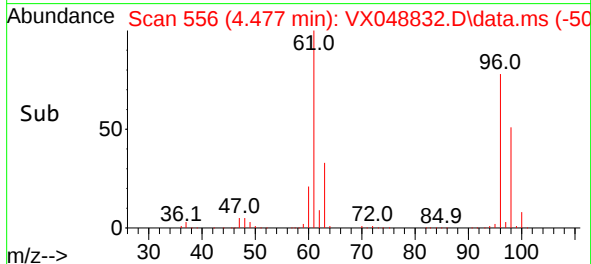
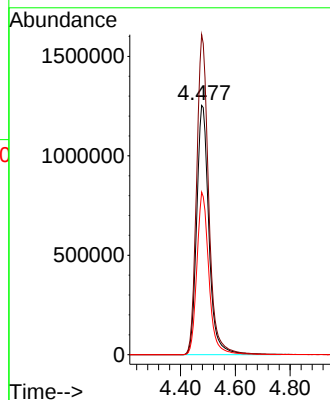
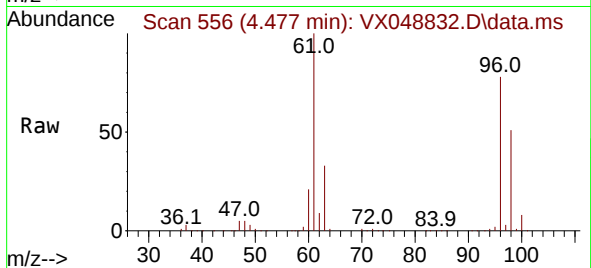
MSVOA_X

ClientSampleId :

MW-11B-37.5-121025

Tgt Ion: 96 Resp: 3881386

Ion	Ratio	Lower	Upper
96	100		
61	126.6	0.0	271.0
98	64.0	0.0	130.2



#33

1,2-Dichloroethane-d4

Concen: 50.810 ug/l

RT: 5.940 min Scan# 796

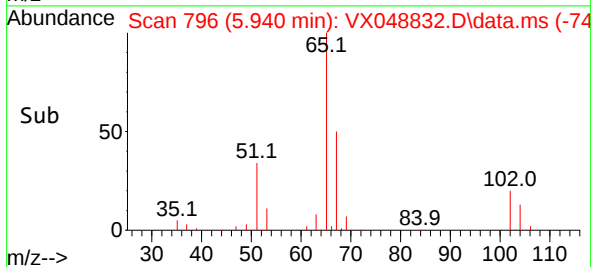
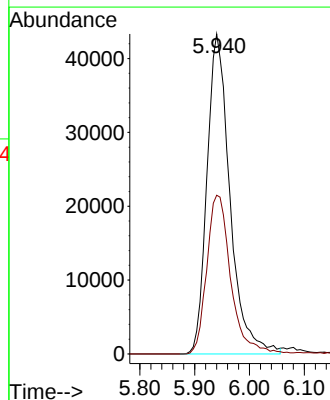
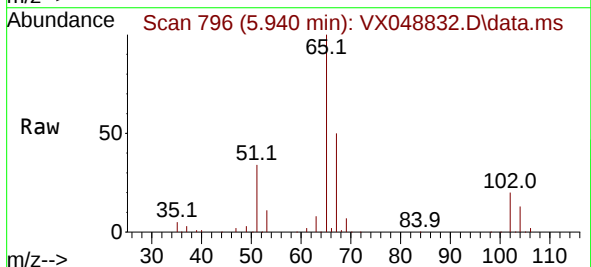
Delta R.T. 0.000 min

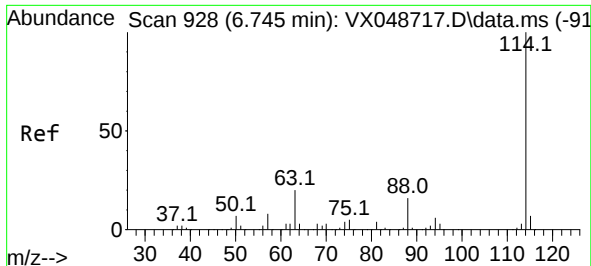
Lab File: VX048832.D

Acq: 11 Dec 2025 17:21

Tgt Ion: 65 Resp: 125762

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	107.4

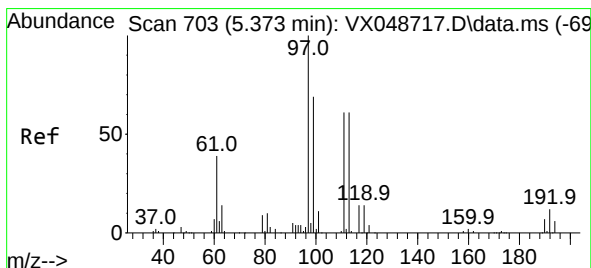
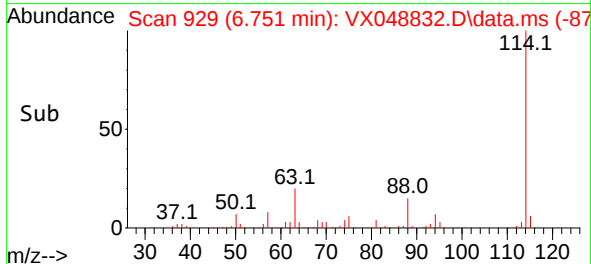
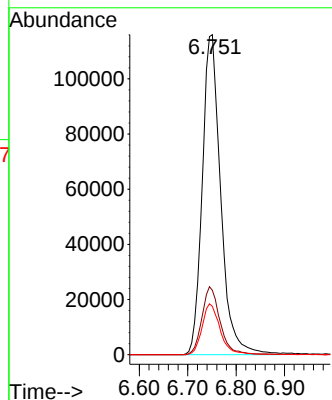
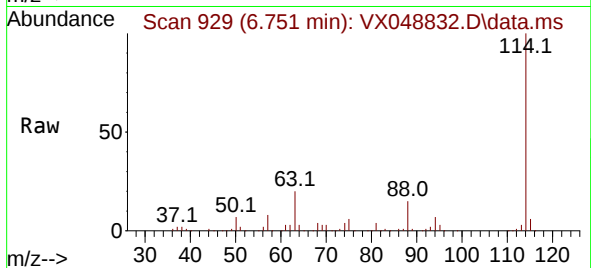




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

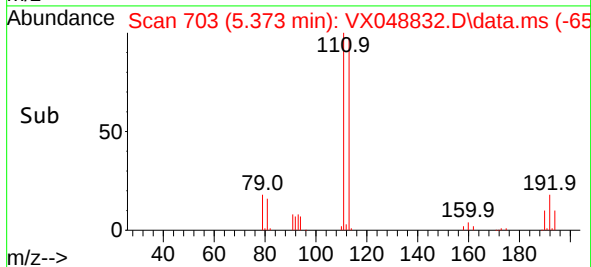
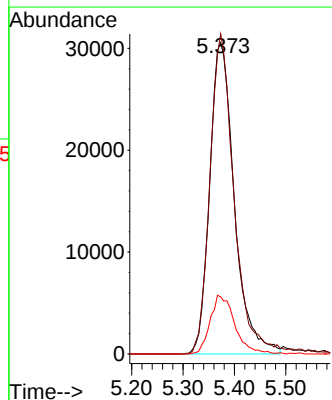
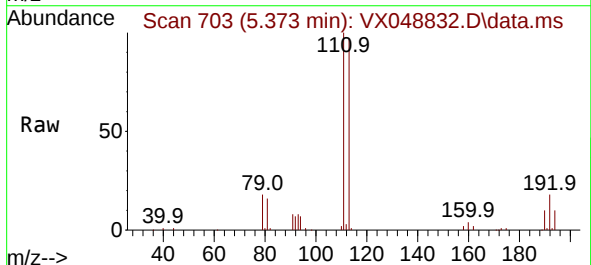
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025

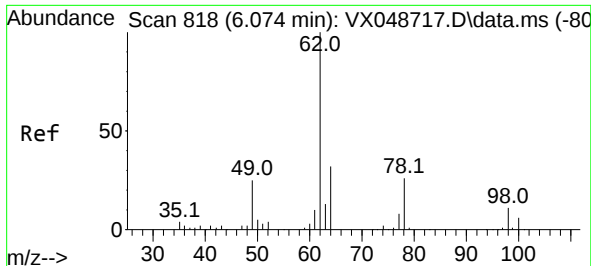
Tgt Ion:114 Resp: 307688
Ion Ratio Lower Upper
114 100
63 20.1 0.0 39.0
88 15.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.983 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

Tgt Ion:113 Resp: 101654
Ion Ratio Lower Upper
113 100
111 102.1 79.5 119.3
192 18.8 16.1 24.1





#42

1,2-Dichloroethane

Concen: 9.988 ug/l

RT: 6.080 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX048832.D

Acq: 11 Dec 2025 17:21

Instrument :

MSVOA_X

ClientSampleId :

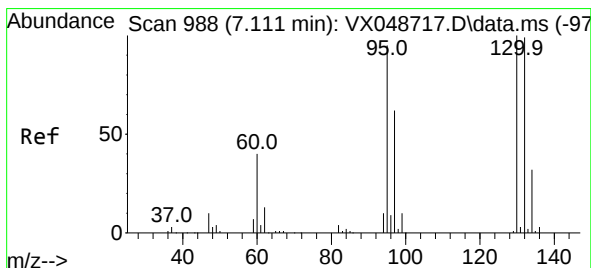
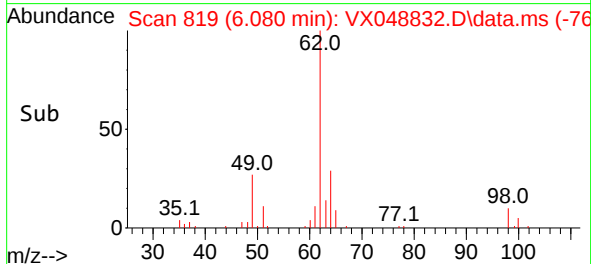
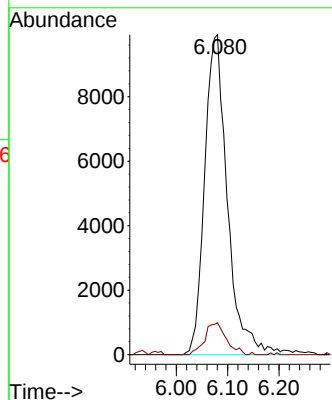
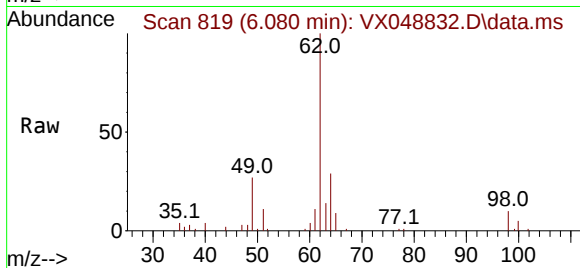
MW-11B-37.5-121025

Tgt Ion: 62 Resp: 30409

Ion Ratio Lower Upper

62 100

98 9.4 0.0 20.2



#44

Trichloroethene

Concen: 5294.317 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.024 min

Lab File: VX048832.D

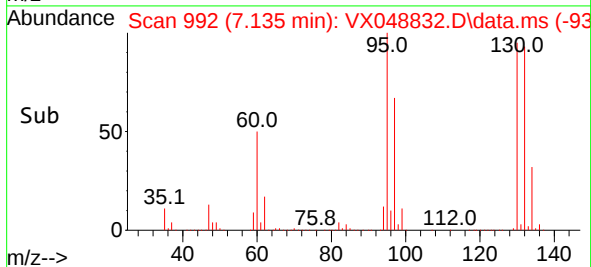
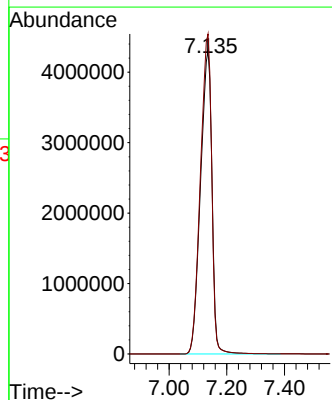
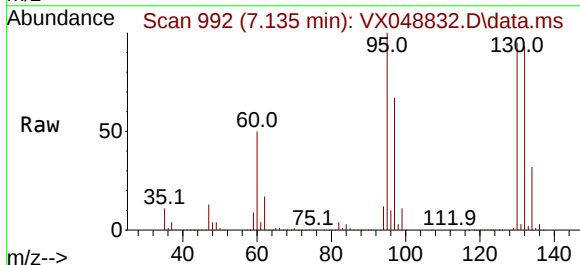
Acq: 11 Dec 2025 17:21

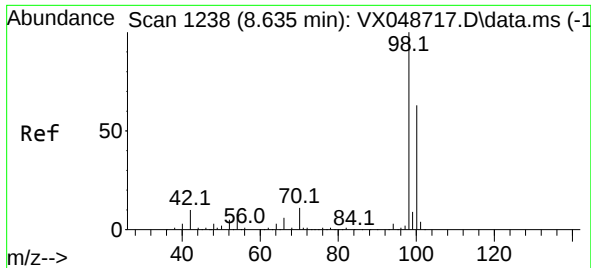
Tgt Ion:130 Resp:11882791

Ion Ratio Lower Upper

130 100

95 105.4 0.0 189.6

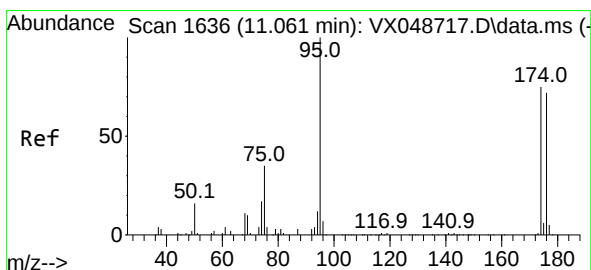
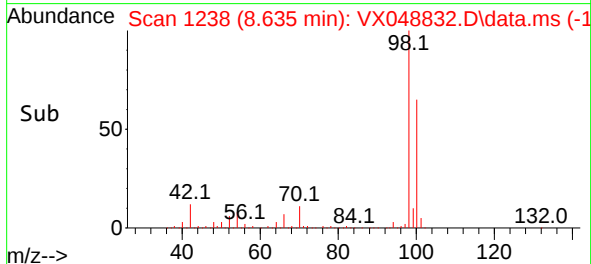
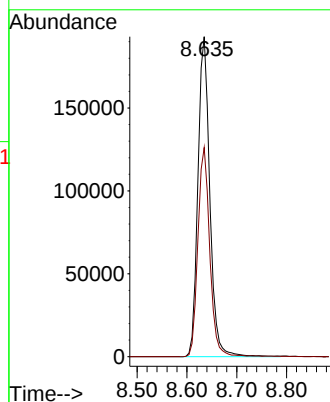
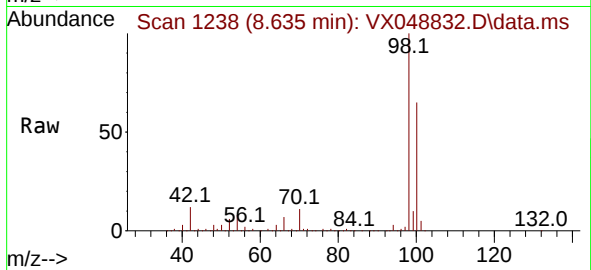




#50
Toluene-d8
Concen: 43.048 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

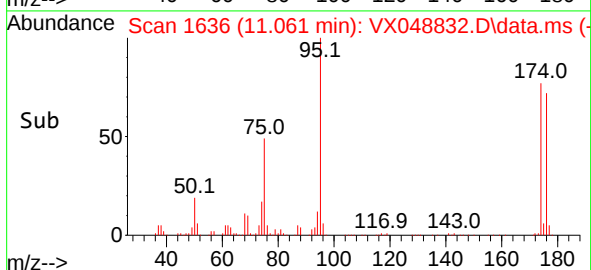
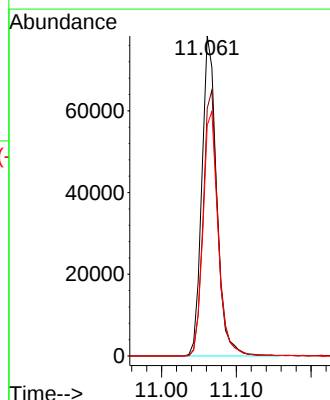
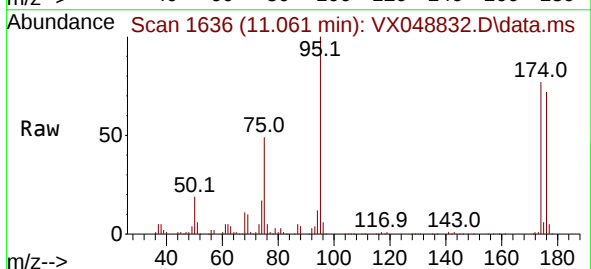
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025

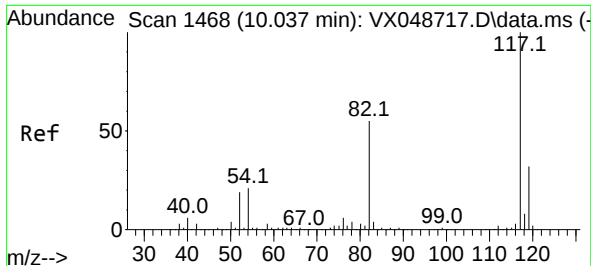
Tgt Ion: 98 Resp: 319681
Ion Ratio Lower Upper
98 100
100 65.4 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 42.022 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

Tgt Ion: 95 Resp: 107610
Ion Ratio Lower Upper
95 100
174 83.6 0.0 157.8
176 78.2 0.0 154.0

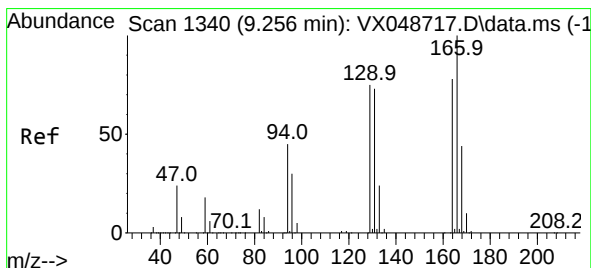
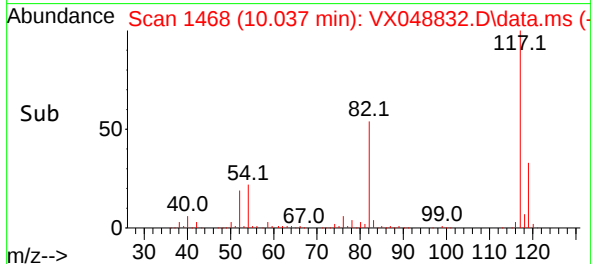
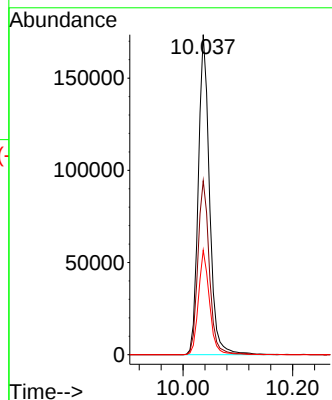
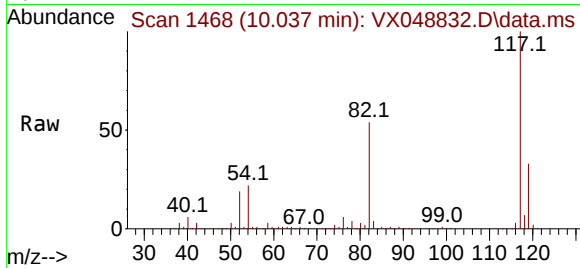




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

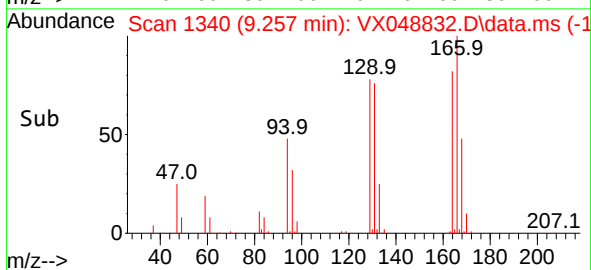
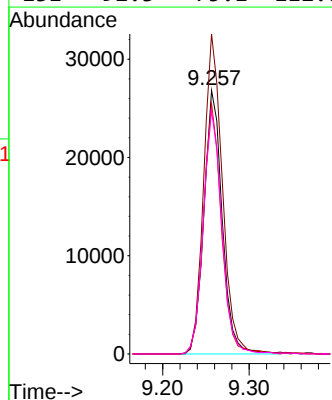
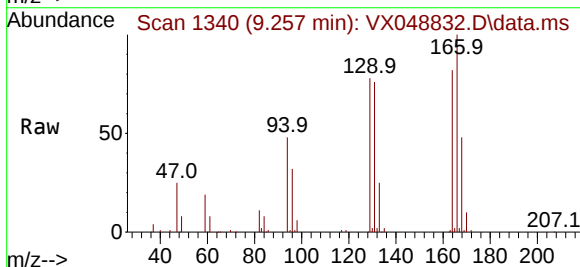
Instrument :
MSVOA_X
ClientSampleId :
MW-11B-37.5-121025

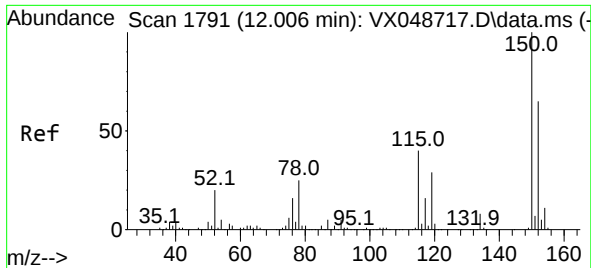
Tgt Ion:117 Resp: 247986
Ion Ratio Lower Upper
117 100
82 54.4 44.1 66.1
119 32.7 25.2 37.8



#64
Tetrachloroethene
Concen: 21.758 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX048832.D
Acq: 11 Dec 2025 17:21

Tgt Ion:164 Resp: 39330
Ion Ratio Lower Upper
164 100
166 121.4 103.1 154.7
129 95.0 76.9 115.3
131 92.3 75.1 112.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX048832.D

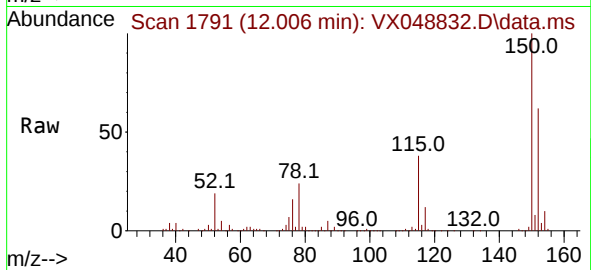
Acq: 11 Dec 2025 17:21

Instrument :

MSVOA_X

ClientSampleId :

MW-11B-37.5-121025



Tgt Ion:152 Resp: 112926

Ion Ratio Lower Upper

152 100

115 59.6 42.1 126.4

150 157.1 0.0 347.8

