

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023579.D
 Acq On : 24 Oct 2025 17:35
 Operator : SY/MD
 Sample : Q3460-15
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-4-VOC

Quant Time: Oct 24 23:55:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	775694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1277412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1068525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	434746	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	339772	52.382	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.760%
35) Dibromofluoromethane	7.640	113	400301	51.000	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.000%
50) Toluene-d8	10.109	98	1425613	48.771	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.540%
62) 4-Bromofluorobenzene	12.408	95	397497	41.189	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.380%

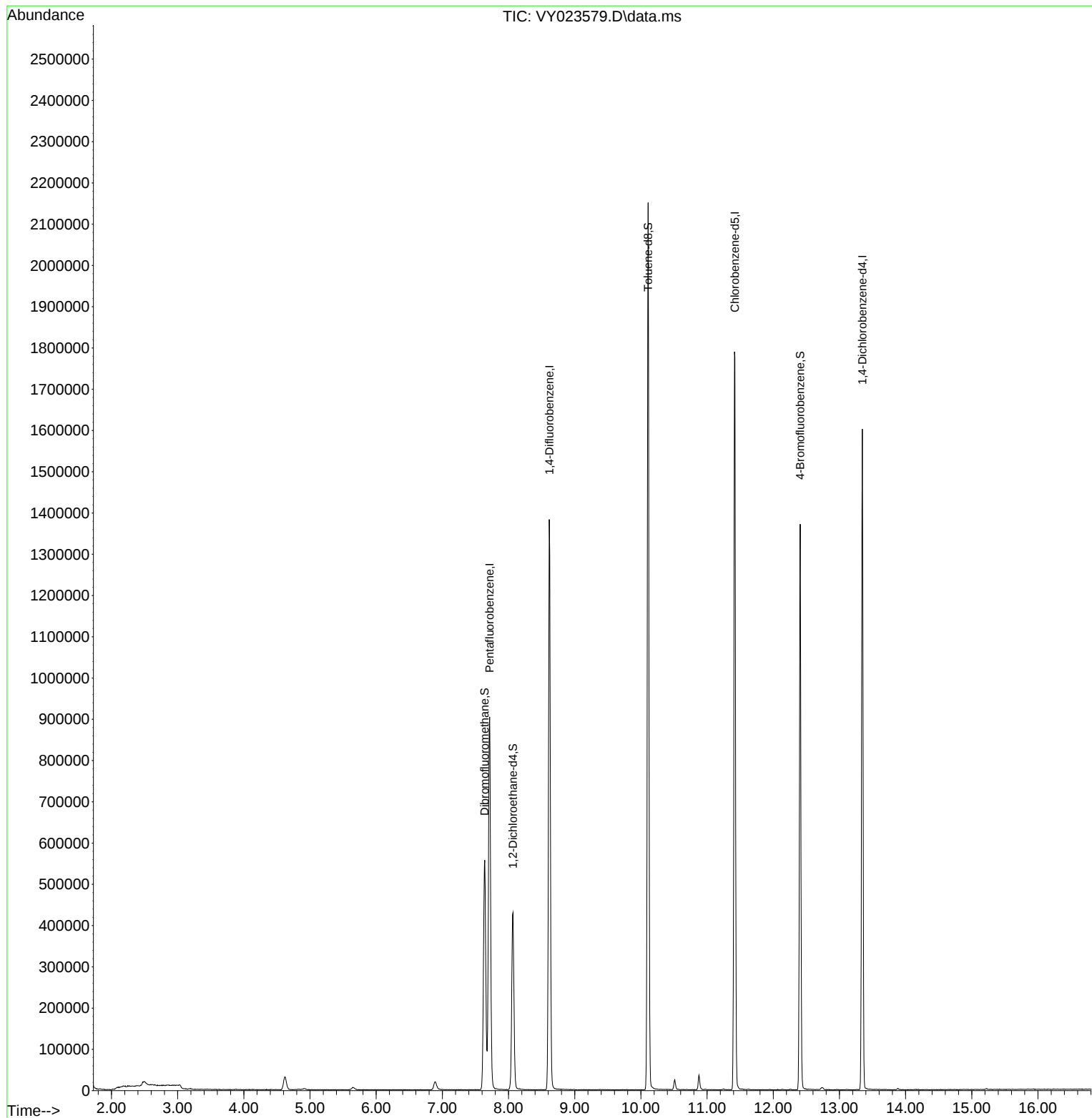
Target Compounds	Qvalue

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

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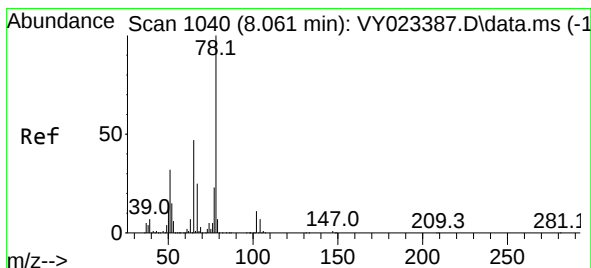
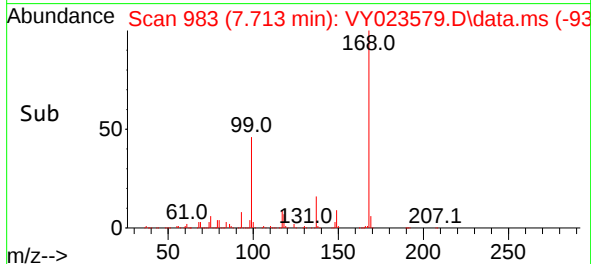
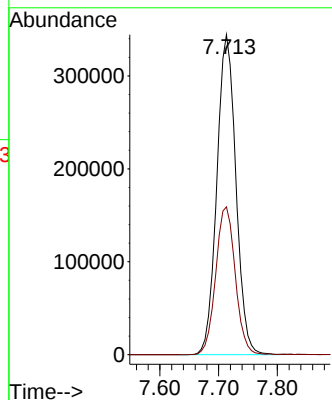
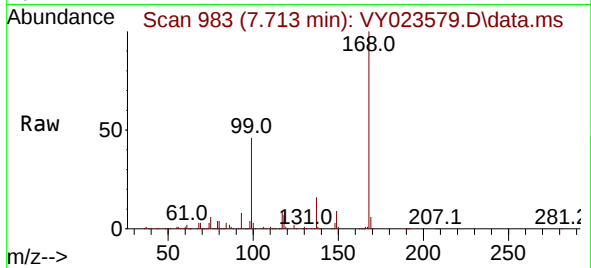




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023579.D
Acq: 24 Oct 2025 17:35

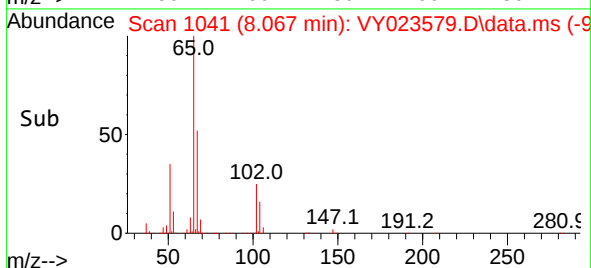
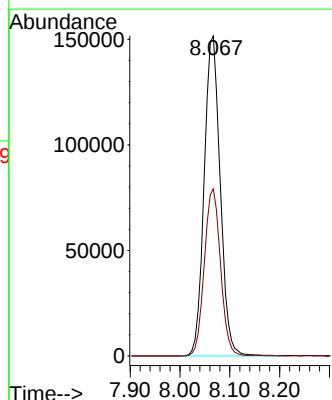
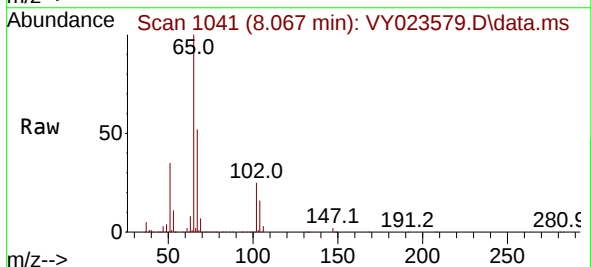
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

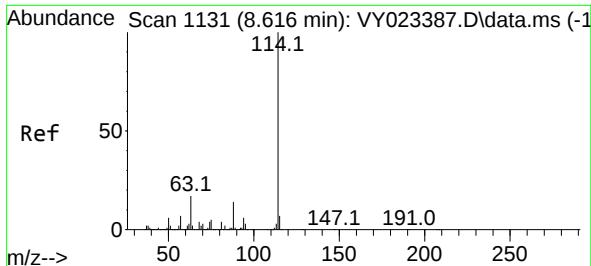
Tgt Ion:168 Resp: 775694
Ion Ratio Lower Upper
168 100
99 46.2 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 52.382 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023579.D
Acq: 24 Oct 2025 17:35

Tgt Ion: 65 Resp: 339772
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.8

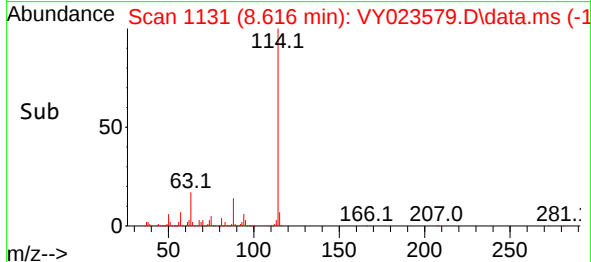
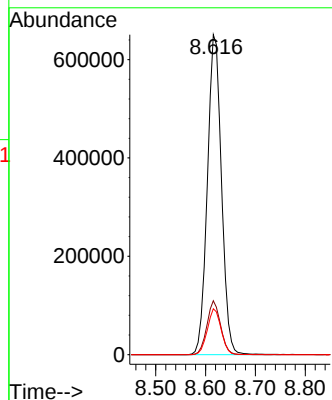
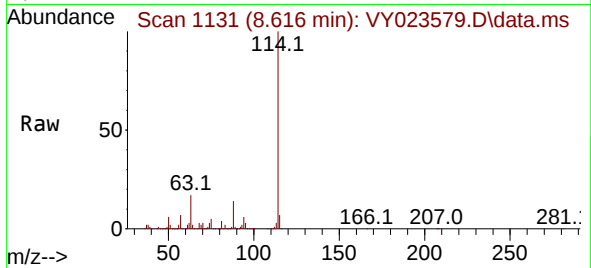




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023579.D
Acq: 24 Oct 2025 17:35

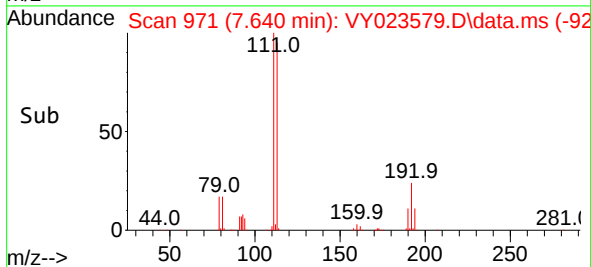
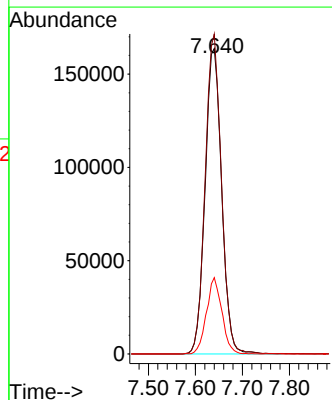
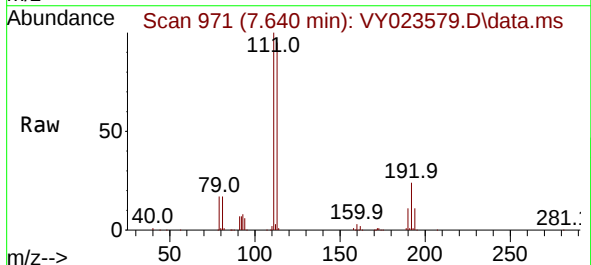
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

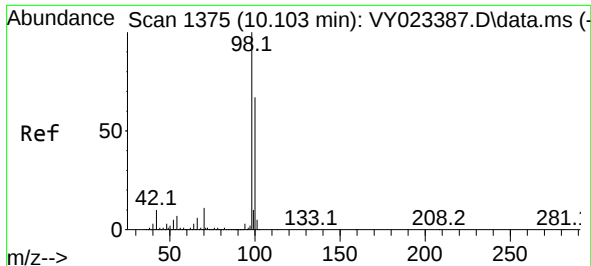
Tgt Ion:114 Resp: 1277412
Ion Ratio Lower Upper
114 100
63 16.9 0.0 34.2
88 14.4 0.0 28.4



#35
Dibromofluoromethane
Concen: 51.000 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023579.D
Acq: 24 Oct 2025 17:35

Tgt Ion:113 Resp: 400301
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 23.3 18.0 27.0

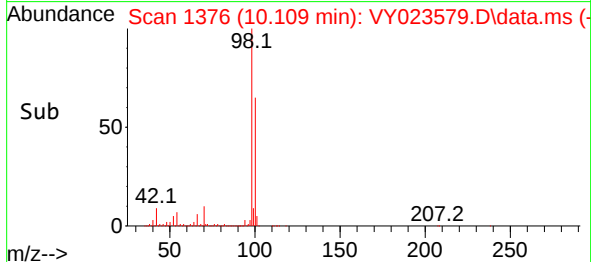
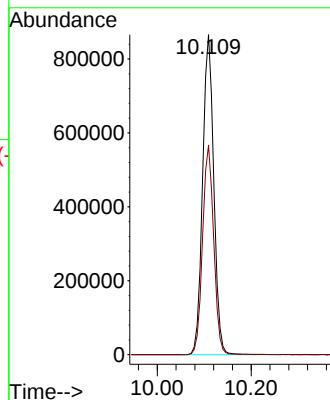
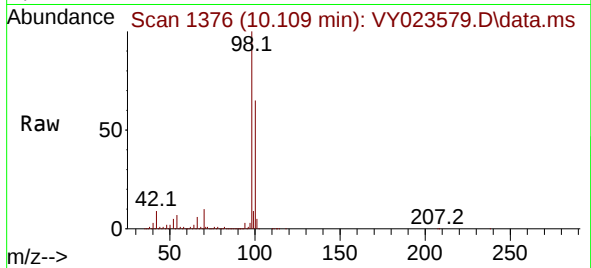




#50
Toluene-d8
Concen: 48.771 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023579.D
Acq: 24 Oct 2025 17:35

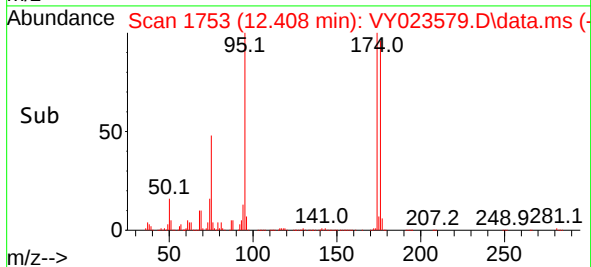
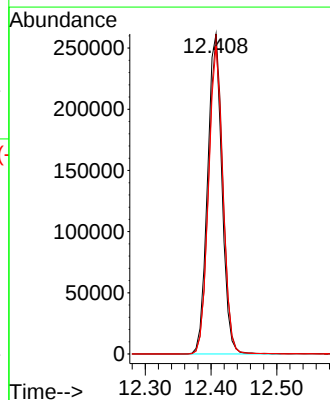
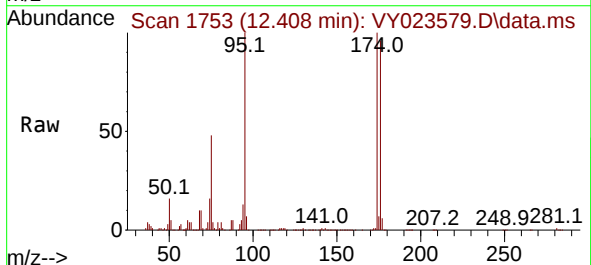
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

Tgt Ion: 98 Resp: 1425613
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 41.189 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023579.D
Acq: 24 Oct 2025 17:35

Tgt Ion: 95 Resp: 397497
Ion Ratio Lower Upper
95 100
174 99.3 0.0 192.8
176 95.7 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023579.D

Acq: 24 Oct 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

WC-4-VOC

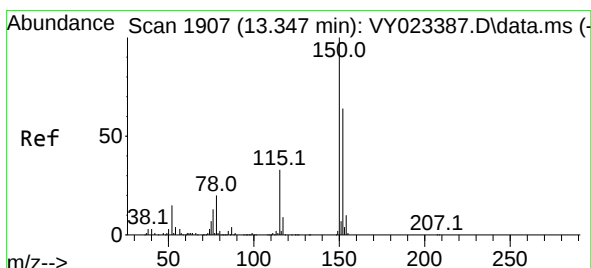
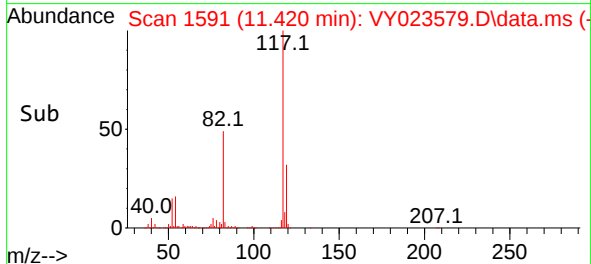
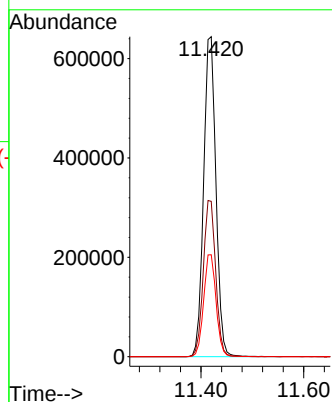
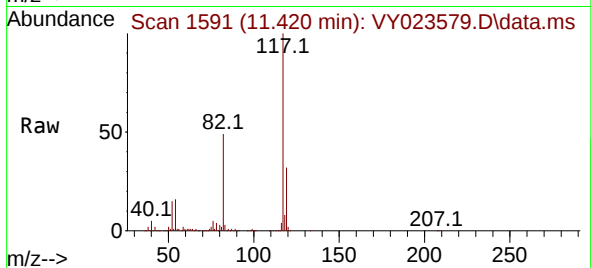
Tgt Ion:117 Resp: 1068525

Ion Ratio Lower Upper

117 100

82 48.6 41.0 61.4

119 31.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023579.D

Acq: 24 Oct 2025 17:35

Tgt Ion:152 Resp: 434746

Ion Ratio Lower Upper

152 100

115 53.9 27.1 81.2

150 156.6 0.0 347.4

