

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
 Data File : VY023742.D
 Acq On : 11 Nov 2025 16:01
 Operator : SY/MD
 Sample : Q3588-01
 Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-06-11072025

Quant Time: Nov 12 03:38:36 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	899010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1459799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1164791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	442249	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	354217	47.118	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.240%
35) Dibromofluoromethane	7.634	113	440746	49.137	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.280%
50) Toluene-d8	10.109	98	1601039	47.929	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.860%
62) 4-Bromofluorobenzene	12.408	95	436426	39.573	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.140%

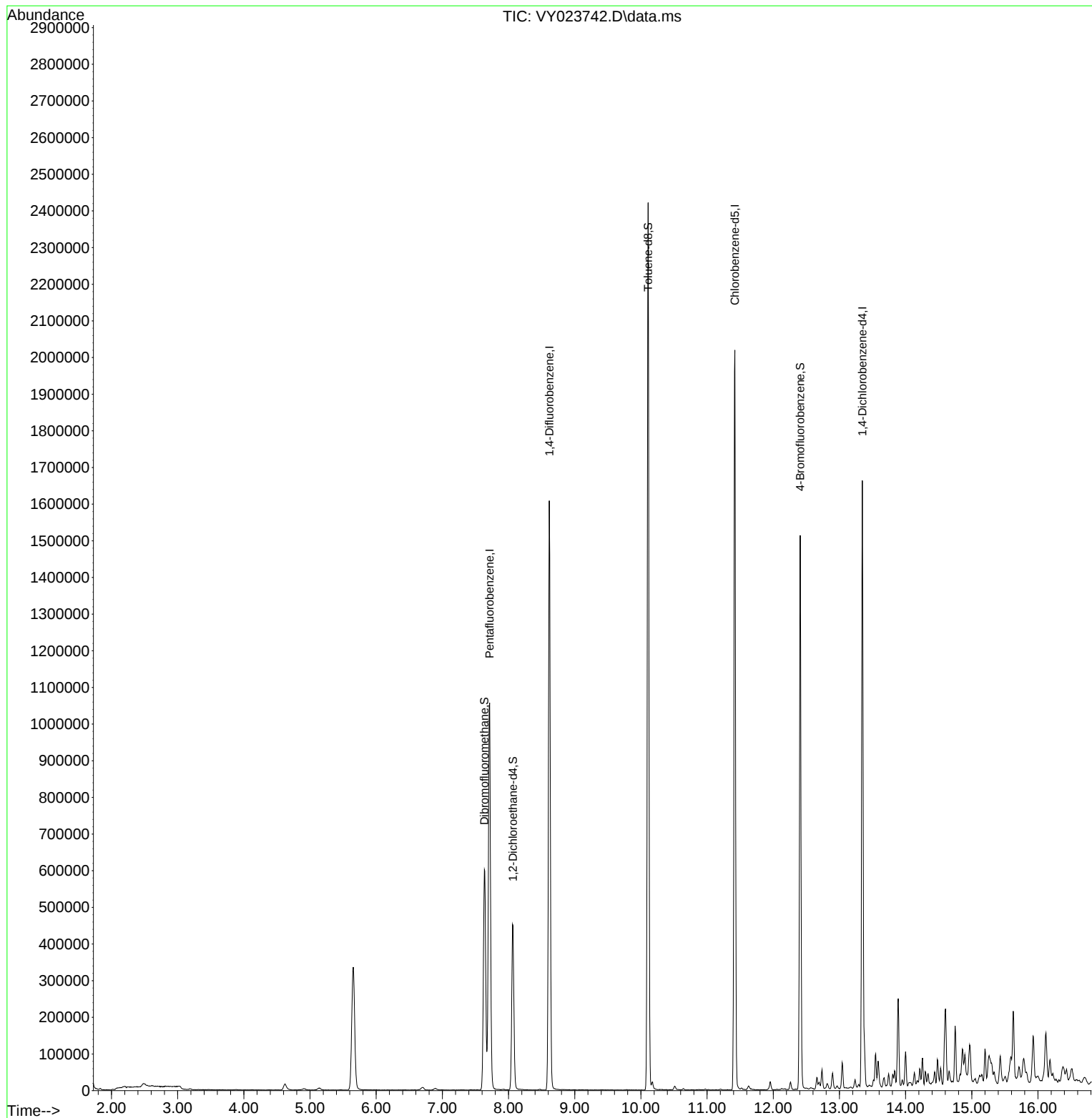
Target Compounds	Qvalue

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

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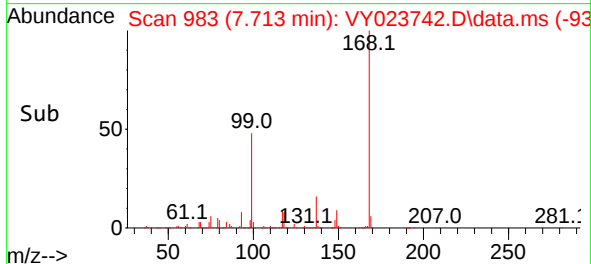
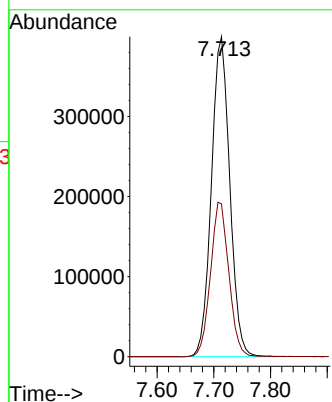
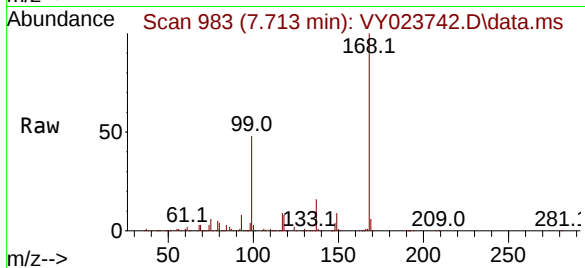




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023742.D
Acq: 11 Nov 2025 16:01

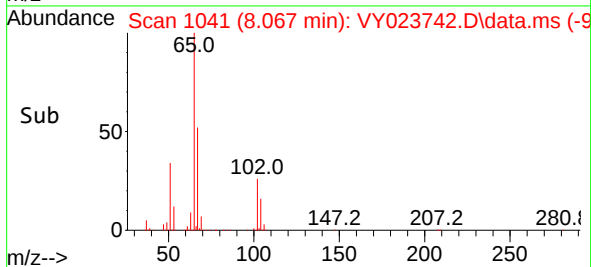
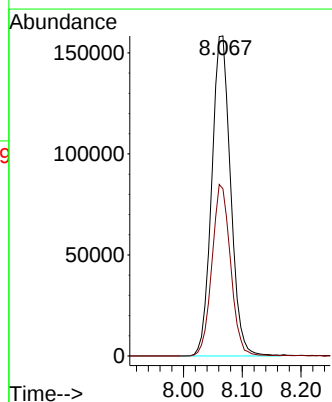
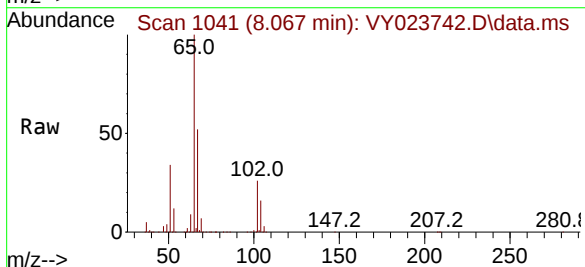
Instrument :
MSVOA_Y
ClientSampleId :
TR-06-11072025

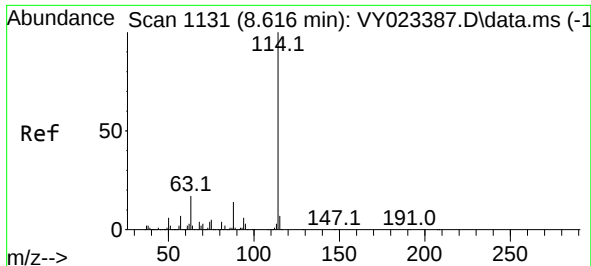
Tgt Ion:168 Resp: 899010
Ion Ratio Lower Upper
168 100
99 47.8 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 47.118 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023742.D
Acq: 11 Nov 2025 16:01

Tgt Ion: 65 Resp: 354217
Ion Ratio Lower Upper
65 100
67 52.9 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: VY023742.D

Acq: 11 Nov 2025 16:01

Instrument :

MSVOA_Y

ClientSampleId :

TR-06-11072025

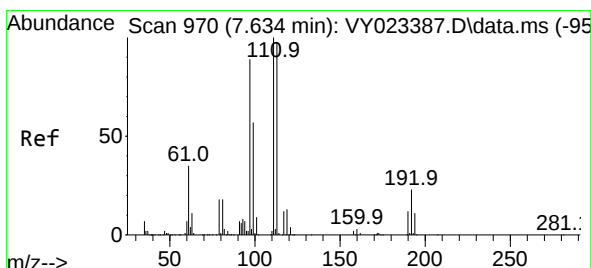
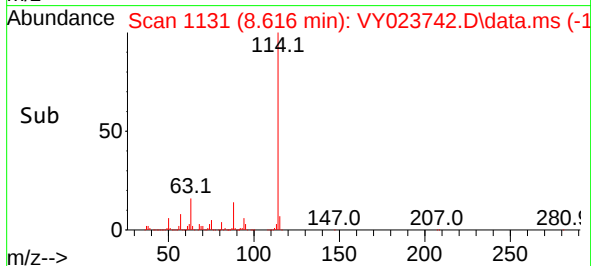
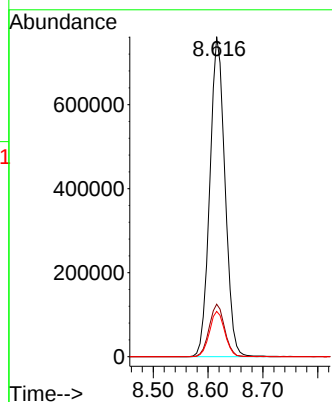
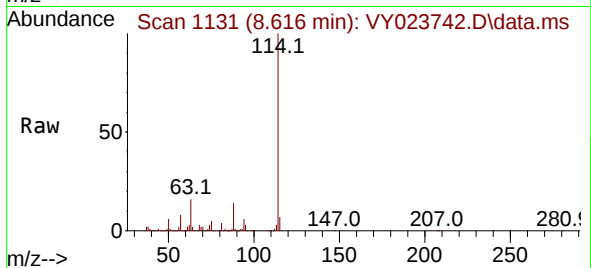
Tgt Ion:114 Resp: 1459799

Ion Ratio Lower Upper

114 100

63 16.4 0.0 34.2

88 14.1 0.0 28.4



#35

Dibromofluoromethane

Concen: 49.137 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023742.D

Acq: 11 Nov 2025 16:01

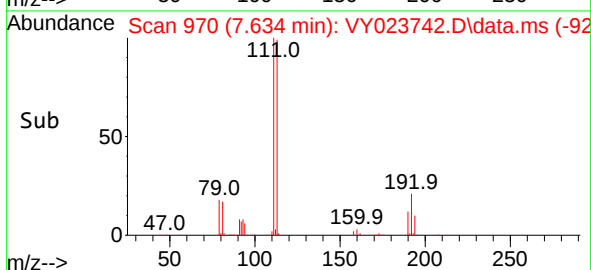
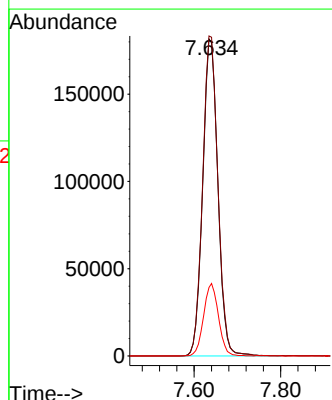
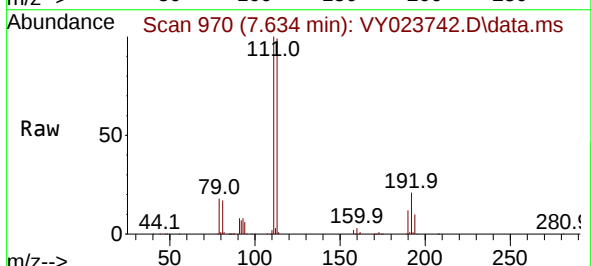
Tgt Ion:113 Resp: 440746

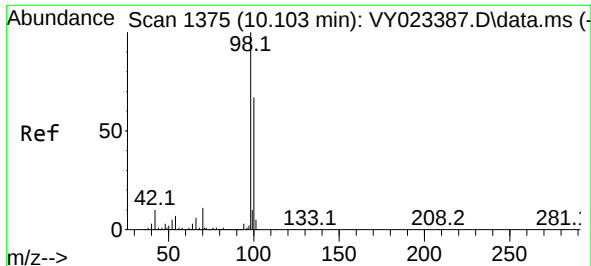
Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.6

192 22.4 18.0 27.0

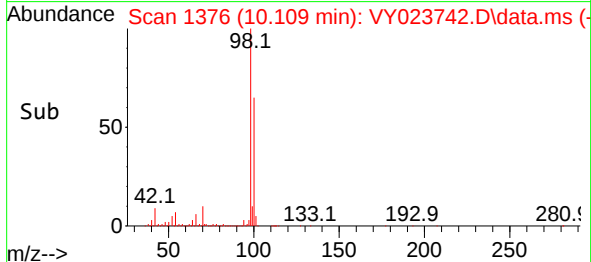
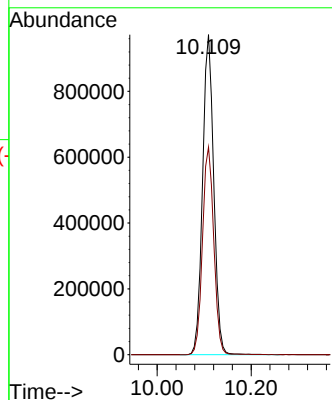
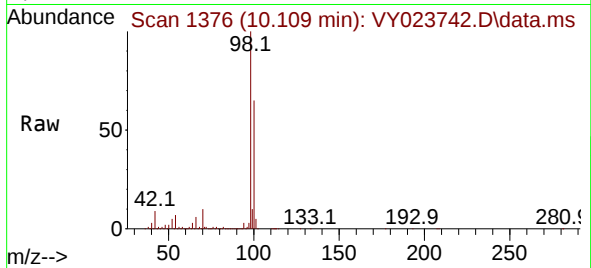




#50
Toluene-d8
Concen: 47.929 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023742.D
Acq: 11 Nov 2025 16:01

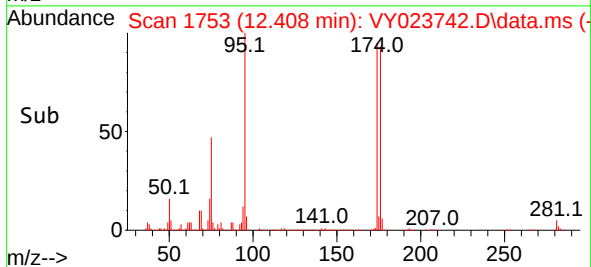
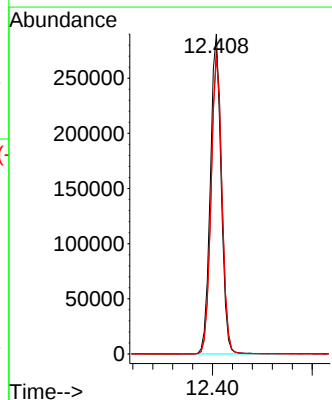
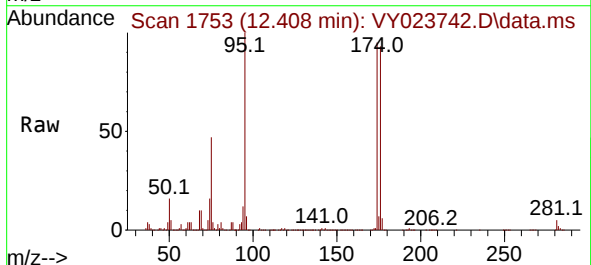
Instrument :
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Tgt Ion: 98 Resp: 1601039
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 39.573 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023742.D
Acq: 11 Nov 2025 16:01

Tgt Ion: 95 Resp: 436426
Ion Ratio Lower Upper
95 100
174 95.3 0.0 192.8
176 92.9 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: VY023742.D

Acq: 11 Nov 2025 16:01

Instrument :

MSVOA_Y

ClientSampleId :

TR-06-11072025

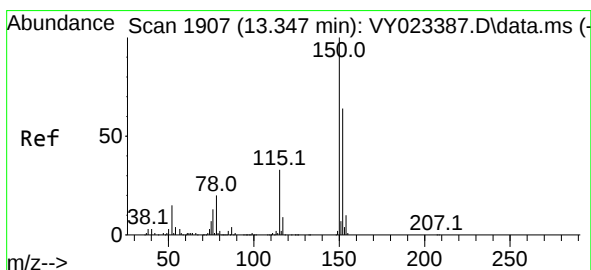
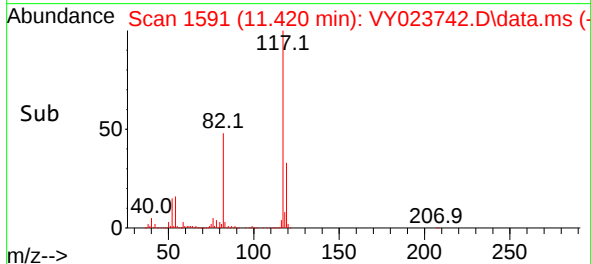
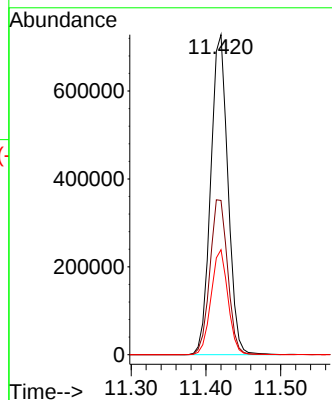
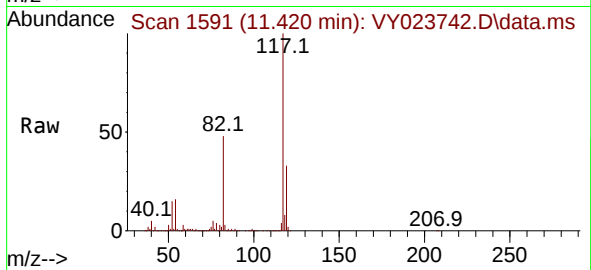
Tgt Ion:117 Resp: 1164791

Ion Ratio Lower Upper

117 100

82 48.2 41.0 61.4

119 32.8 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: VY023742.D

Acq: 11 Nov 2025 16:01

Tgt Ion:152 Resp: 442249

Ion Ratio Lower Upper

152 100

115 54.9 27.1 81.2

150 156.2 0.0 347.4

