

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023145.D
 Acq On : 19 Aug 2025 12:54
 Operator : SY/MD
 Sample : Q2870-01
 Misc : 5.22g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DRILL CUTTING 1-5 COMP

Quant Time: Aug 20 01:28:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	12785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	13092	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	3304	50.000	ug/l	# 0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	706	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	1870	15.347	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	30.700%#
35) Dibromofluoromethane	7.628	113	3725	47.550	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.100%
50) Toluene-d8	10.103	98	8757	28.614	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	57.220%#
62) 4-Bromofluorobenzene	12.395	95	879	8.931	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	17.860%#

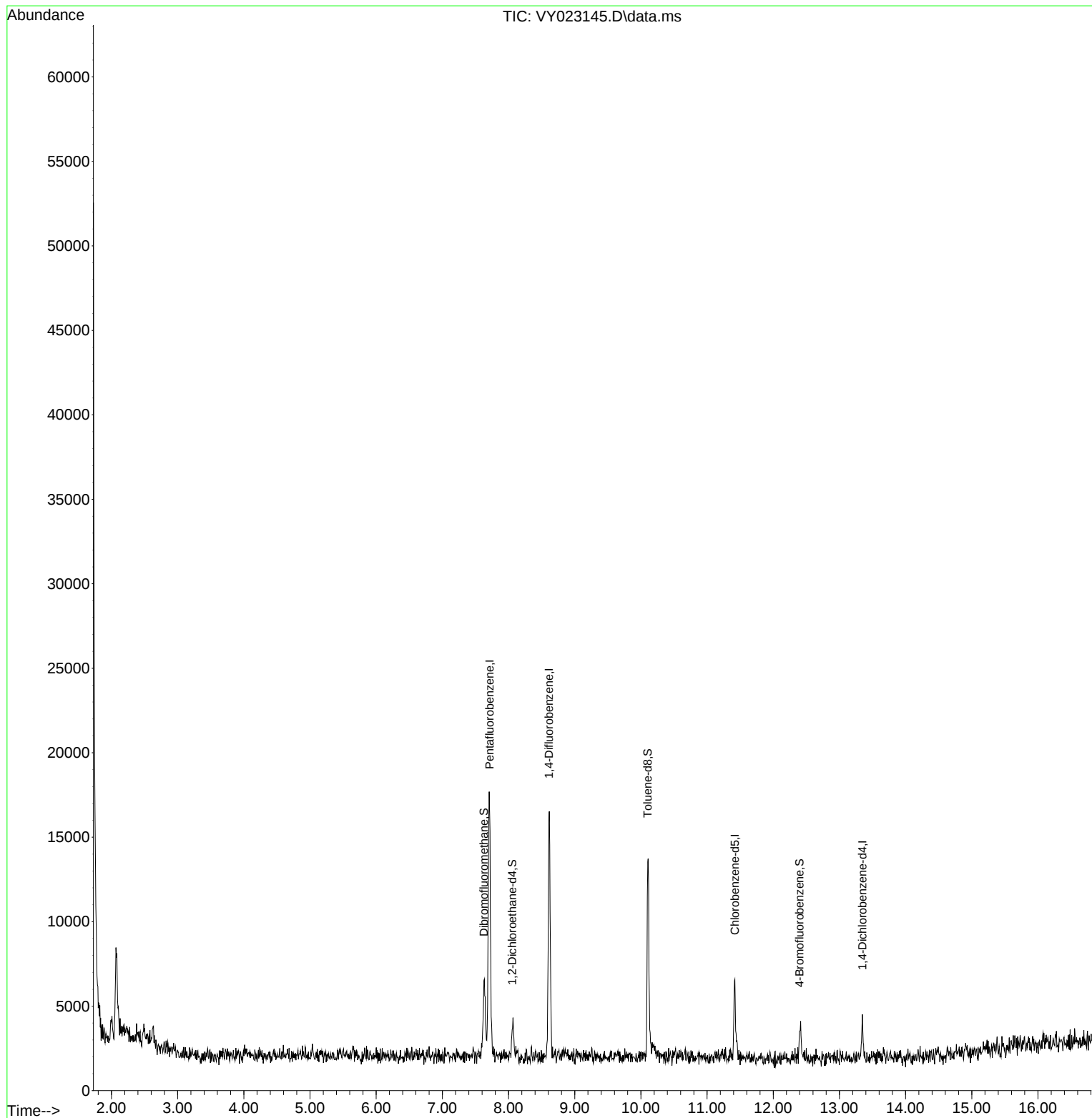
Target Compounds	Qvalue

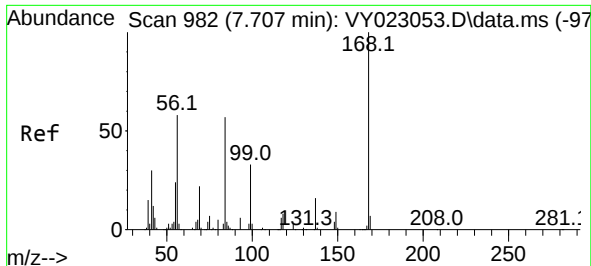
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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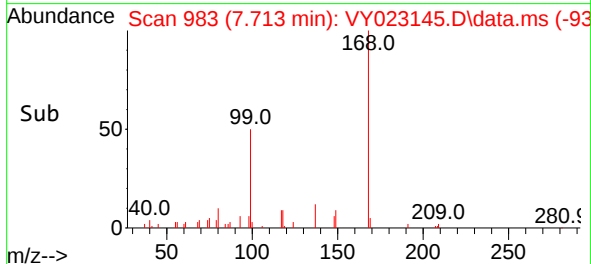
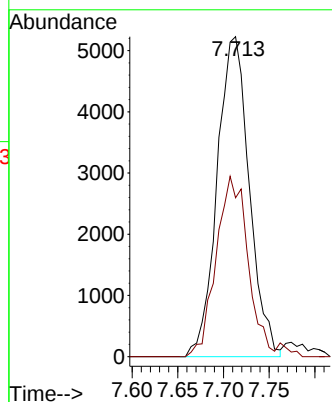
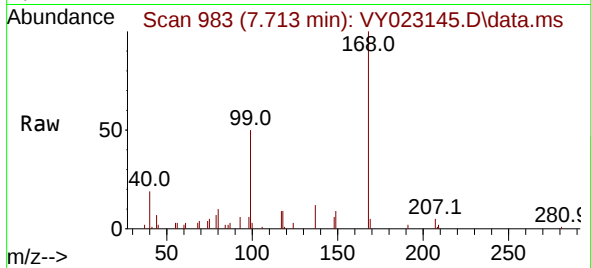




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023145.D
Acq: 19 Aug 2025 12:54

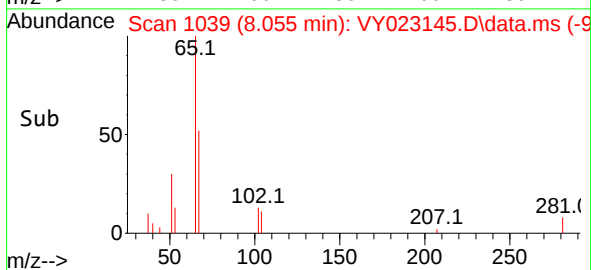
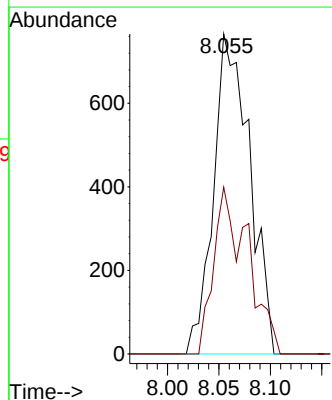
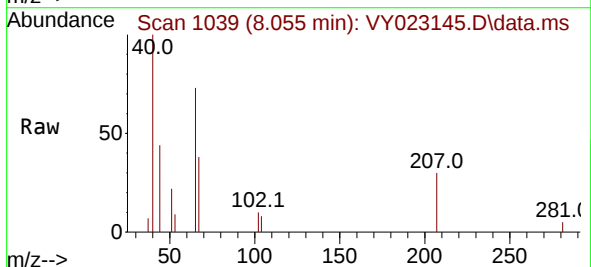
Instrument :
MSVOA_Y
ClientSampleId :
DRILL CUTTING 1-5 COMP

Tgt Ion:168 Resp: 12785
Ion Ratio Lower Upper
168 100
99 49.7 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 15.347 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY023145.D
Acq: 19 Aug 2025 12:54

Tgt Ion: 65 Resp: 1870
Ion Ratio Lower Upper
65 100
67 49.1 0.0 106.8

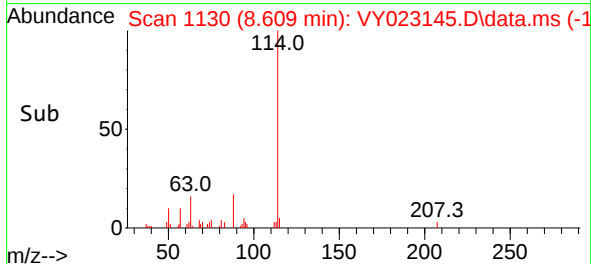
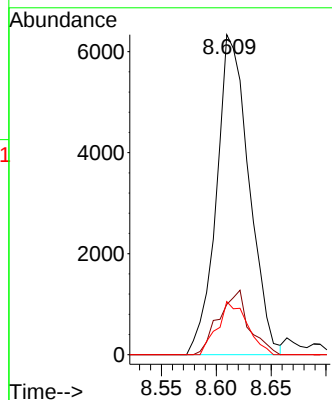
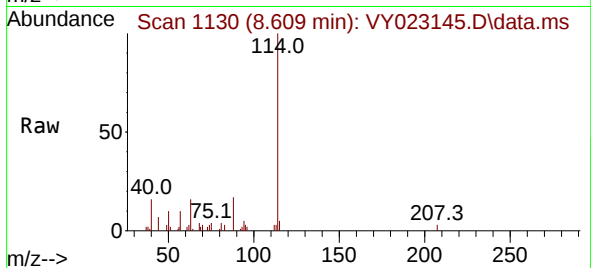




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023145.D
Acq: 19 Aug 2025 12:54

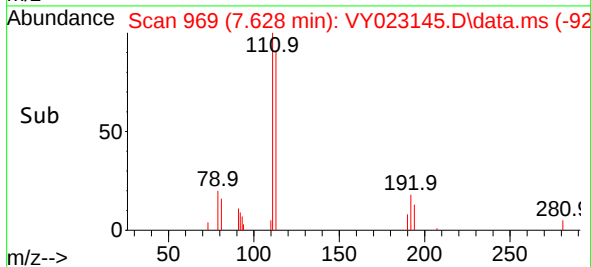
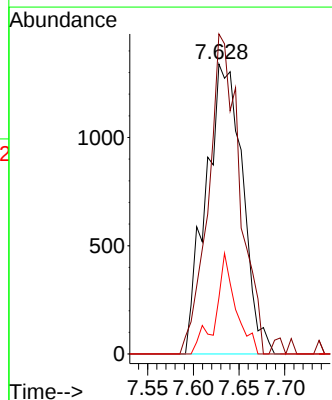
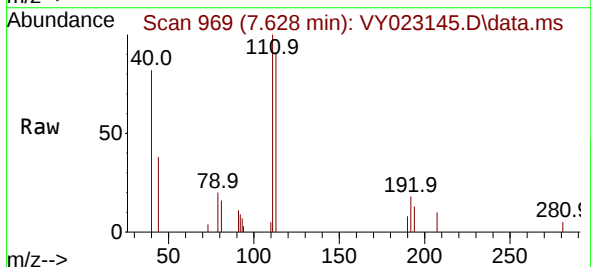
Instrument :
MSVOA_Y
ClientSampleId :
DRILL CUTTING 1-5 COMP

Tgt Ion:114	Resp:	13092
Ion Ratio	Lower	Upper
114	100	
63	15.7	0.0 38.4
88	16.6	0.0 30.0



#35
Dibromofluoromethane
Concen: 47.550 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023145.D
Acq: 19 Aug 2025 12:54

Tgt Ion:113	Resp:	3725
Ion Ratio	Lower	Upper
113	100	
111	94.8	81.1 121.7
192	19.1	16.2 24.4

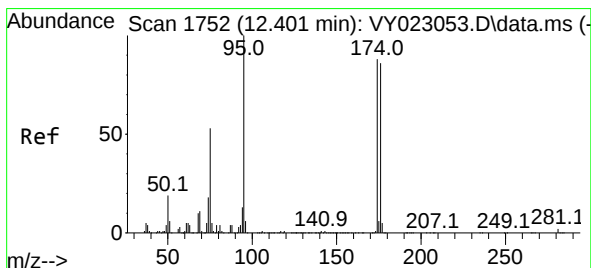
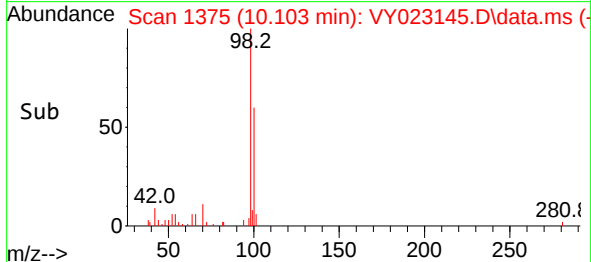
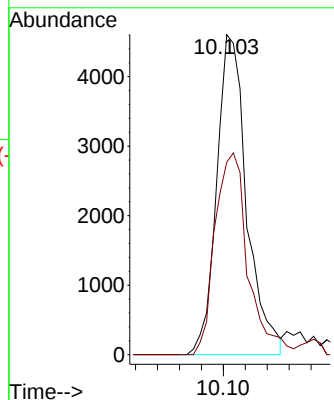
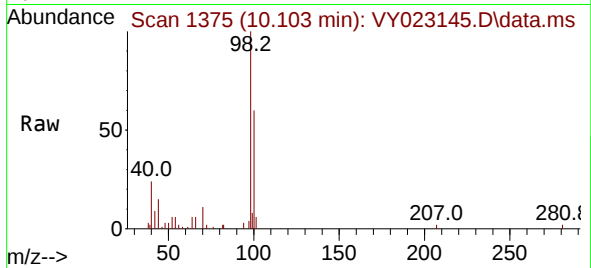




#50
Toluene-d8
Concen: 28.614 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023145.D
Acq: 19 Aug 2025 12:54

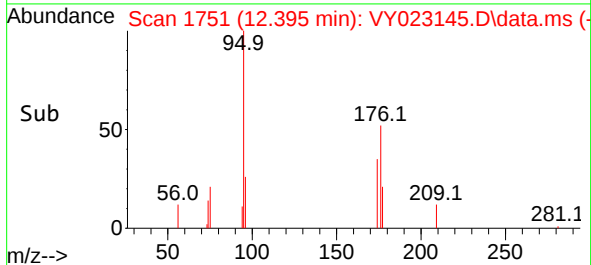
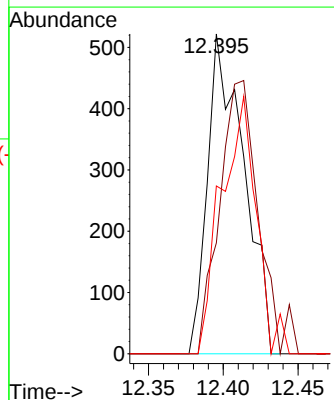
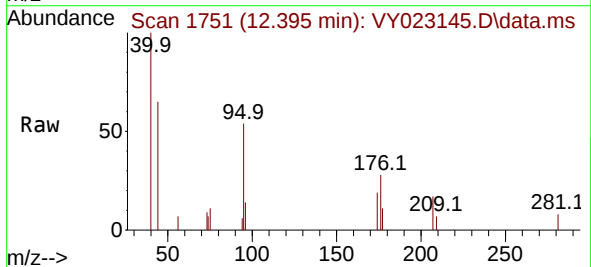
Instrument :
MSVOA_Y
ClientSampleId :
DRILL CUTTING 1-5 COMP

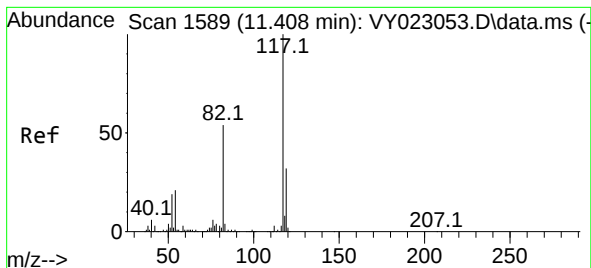
Tgt Ion: 98 Resp: 8757
Ion Ratio Lower Upper
98 100
100 69.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 8.931 ug/l
RT: 12.395 min Scan# 1751
Delta R.T. -0.006 min
Lab File: VY023145.D
Acq: 19 Aug 2025 12:54

Tgt Ion: 95 Resp: 879
Ion Ratio Lower Upper
95 100
174 92.0 0.0 171.6
176 78.2 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023145.D

Acq: 19 Aug 2025 12:54

Instrument :

MSVOA_Y

ClientSampleId :

DRILL CUTTING 1-5 COMP

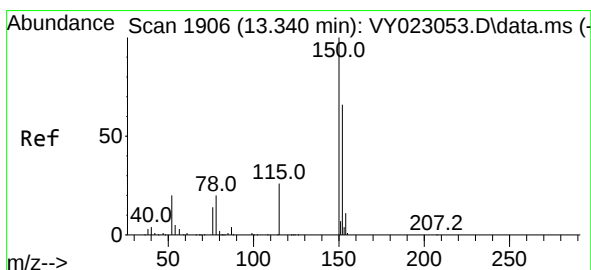
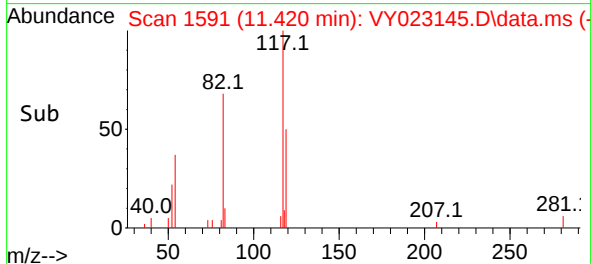
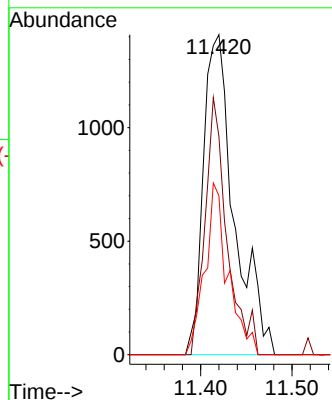
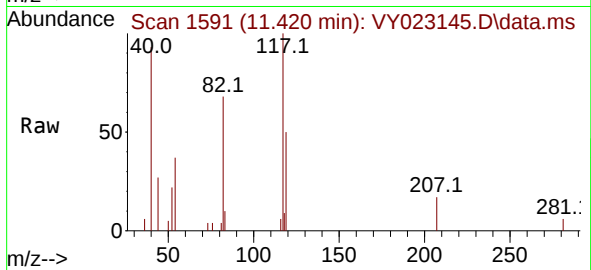
Tgt Ion:117 Resp: 3304

Ion Ratio Lower Upper

117 100

82 68.1 43.4 65.0#

119 49.7 25.6 38.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023145.D

Acq: 19 Aug 2025 12:54

Tgt Ion:152 Resp: 706

Ion Ratio Lower Upper

152 100

115 56.2 28.2 84.6

150 171.7 0.0 348.0

