

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023505.D
 Acq On : 20 Oct 2025 13:49
 Operator : SY/MD
 Sample : Q3369-07
 Misc : 4.73g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-21-VOC

Quant Time: Oct 21 03:58:28 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	694225	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	1162623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1014506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	435355	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	318954	54.943	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.880%
35) Dibromofluoromethane	7.640	113	373586	52.295	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.600%
50) Toluene-d8	10.109	98	1322416	49.707	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.420%
62) 4-Bromofluorobenzene	12.407	95	383527	43.665	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.340%

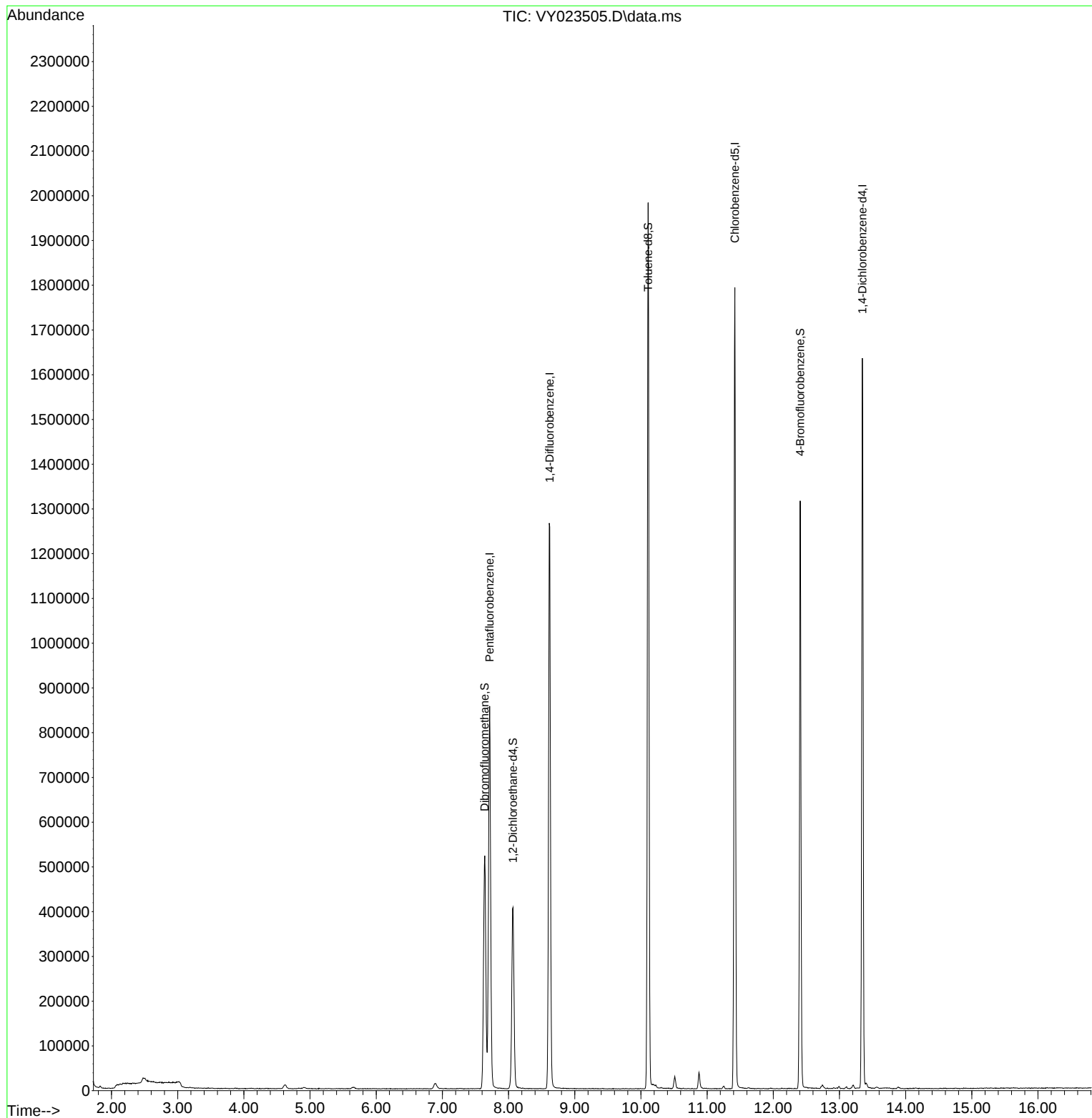
Target Compounds	Qvalue

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

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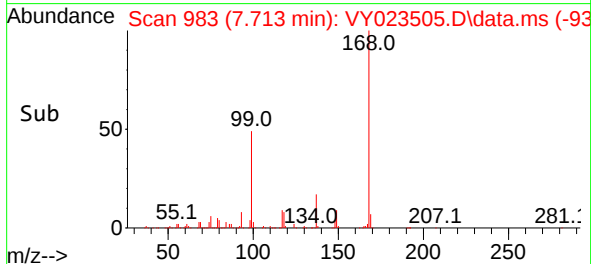
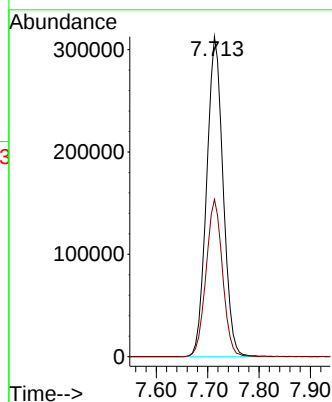
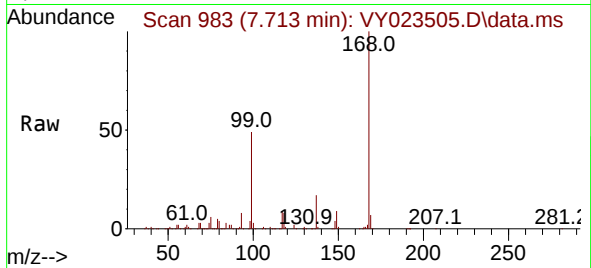




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023505.D
Acq: 20 Oct 2025 13:49

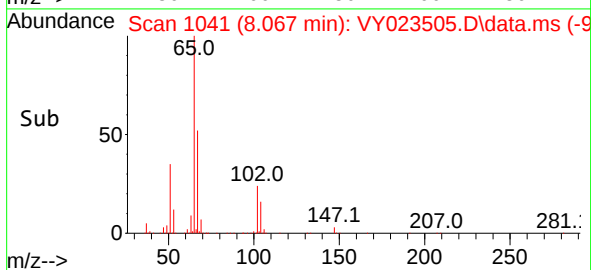
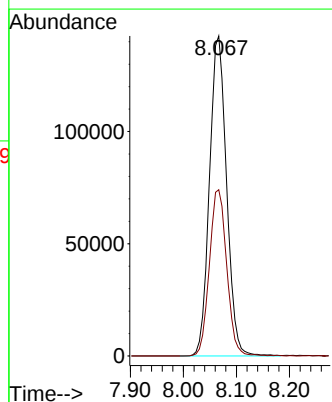
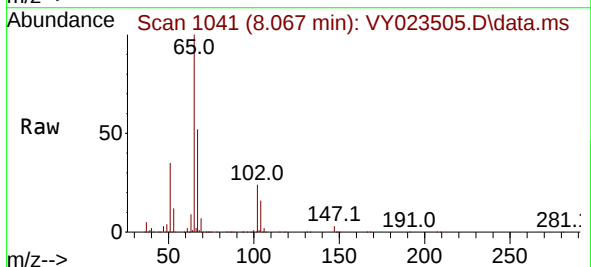
Instrument :
MSVOA_Y
ClientSampleId :
MH-21-VOC

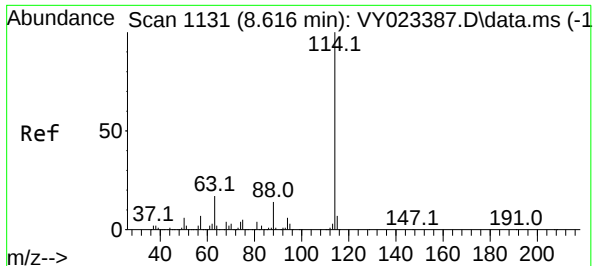
Tgt Ion:168 Resp: 694225
Ion Ratio Lower Upper
168 100
99 49.2 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 54.943 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023505.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 65 Resp: 318954
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023505.D

Acq: 20 Oct 2025 13:49

Instrument :

MSVOA_Y

ClientSampleId :

MH-21-VOC

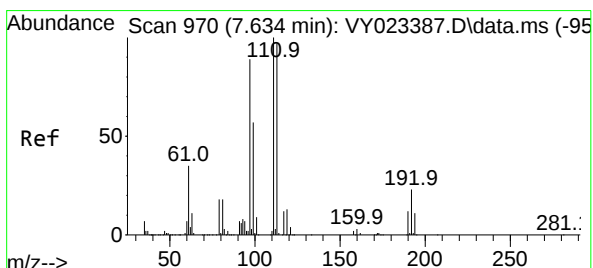
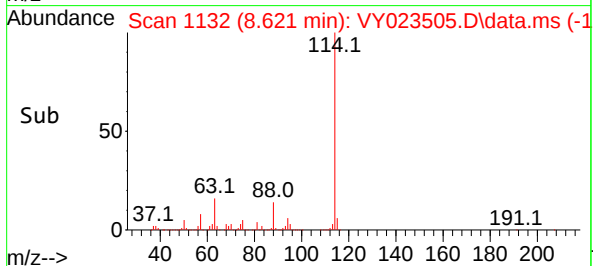
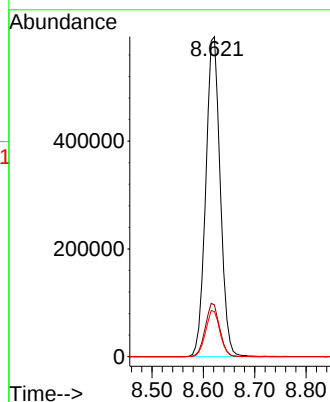
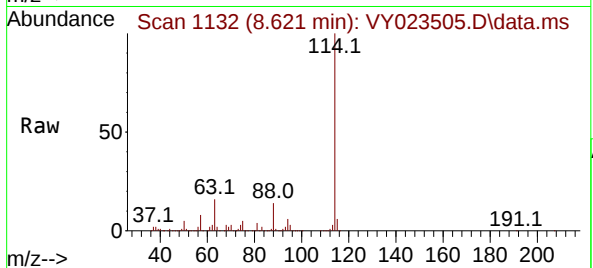
Tgt Ion:114 Resp: 1162623

Ion Ratio Lower Upper

114 100

63 16.2 0.0 34.2

88 14.1 0.0 28.4



#35

Dibromofluoromethane

Concen: 52.295 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023505.D

Acq: 20 Oct 2025 13:49

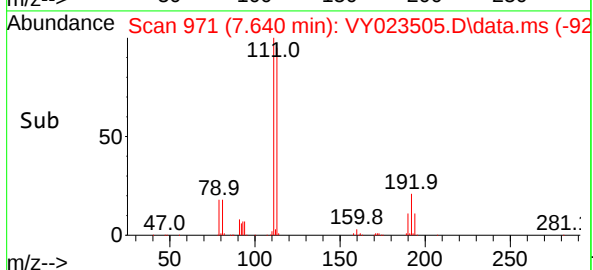
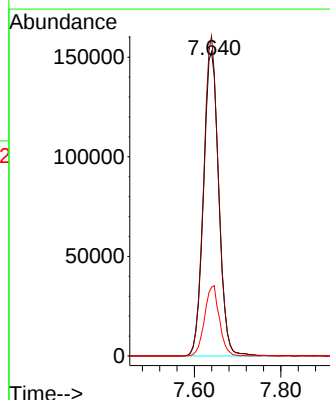
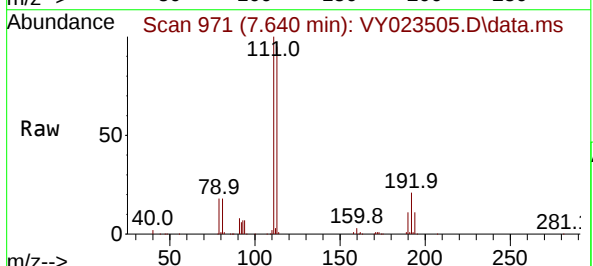
Tgt Ion:113 Resp: 373586

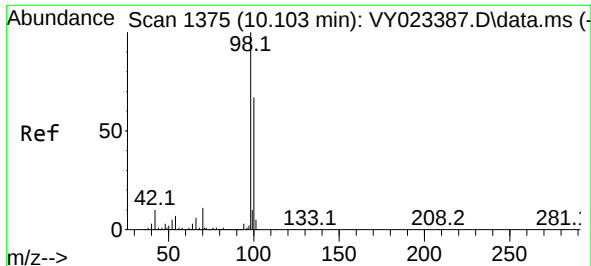
Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.6

192 22.3 18.0 27.0

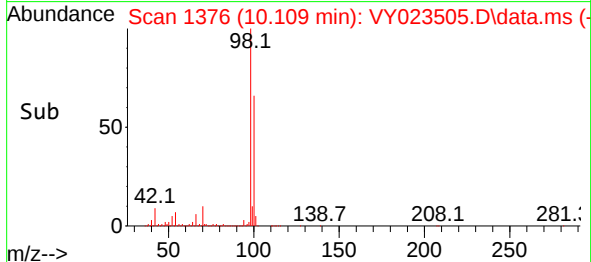
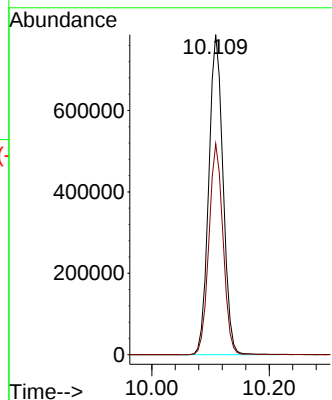
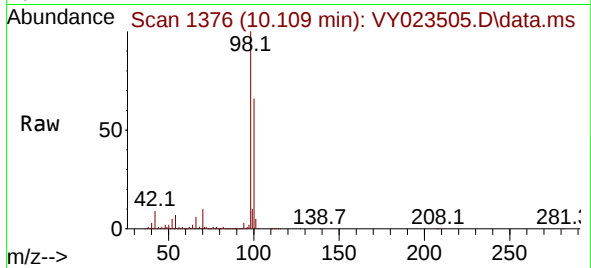




#50
Toluene-d8
Concen: 49.707 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023505.D
Acq: 20 Oct 2025 13:49

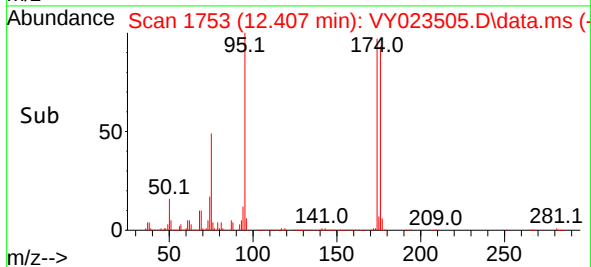
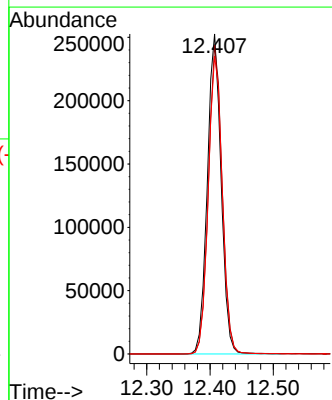
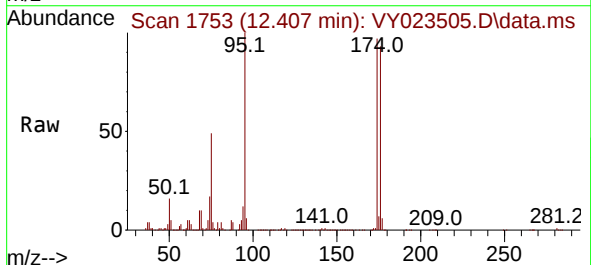
Instrument :
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ClientSampleId :
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Tgt Ion: 98 Resp: 1322416
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 43.665 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023505.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 95 Resp: 383527
Ion Ratio Lower Upper
95 100
174 96.7 0.0 192.8
176 94.7 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: VY023505.D

Acq: 20 Oct 2025 13:49

Instrument :

MSVOA_Y

ClientSampleId :

MH-21-VOC

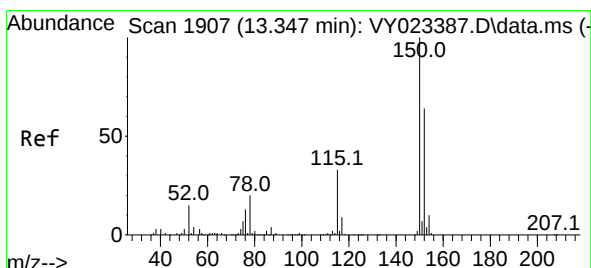
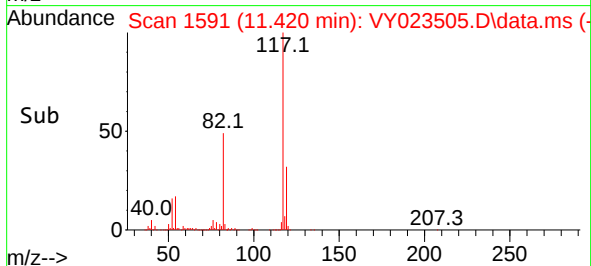
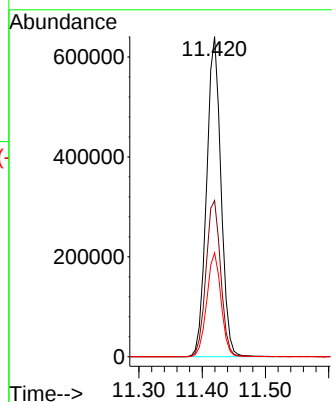
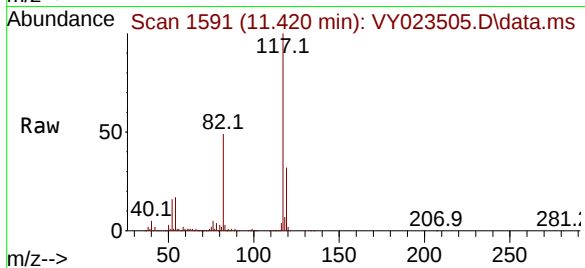
Tgt Ion:117 Resp: 1014506

Ion Ratio Lower Upper

117 100

82 48.8 41.0 61.4

119 32.4 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: VY023505.D

Acq: 20 Oct 2025 13:49

Tgt Ion:152 Resp: 435355

Ion Ratio Lower Upper

152 100

115 55.1 27.1 81.2

150 157.6 0.0 347.4

