

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023578.D
 Acq On : 24 Oct 2025 17:12
 Operator : SY/MD
 Sample : Q3460-11
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-3-VOC

Quant Time: Oct 24 23:55:09 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	640743	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1069536	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	918219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	384274	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	291535	54.411	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.820%
35) Dibromofluoromethane	7.640	113	346123	52.668	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.340%
50) Toluene-d8	10.109	98	1194863	48.822	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.640%
62) 4-Bromofluorobenzene	12.408	95	343784	42.547	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.100%

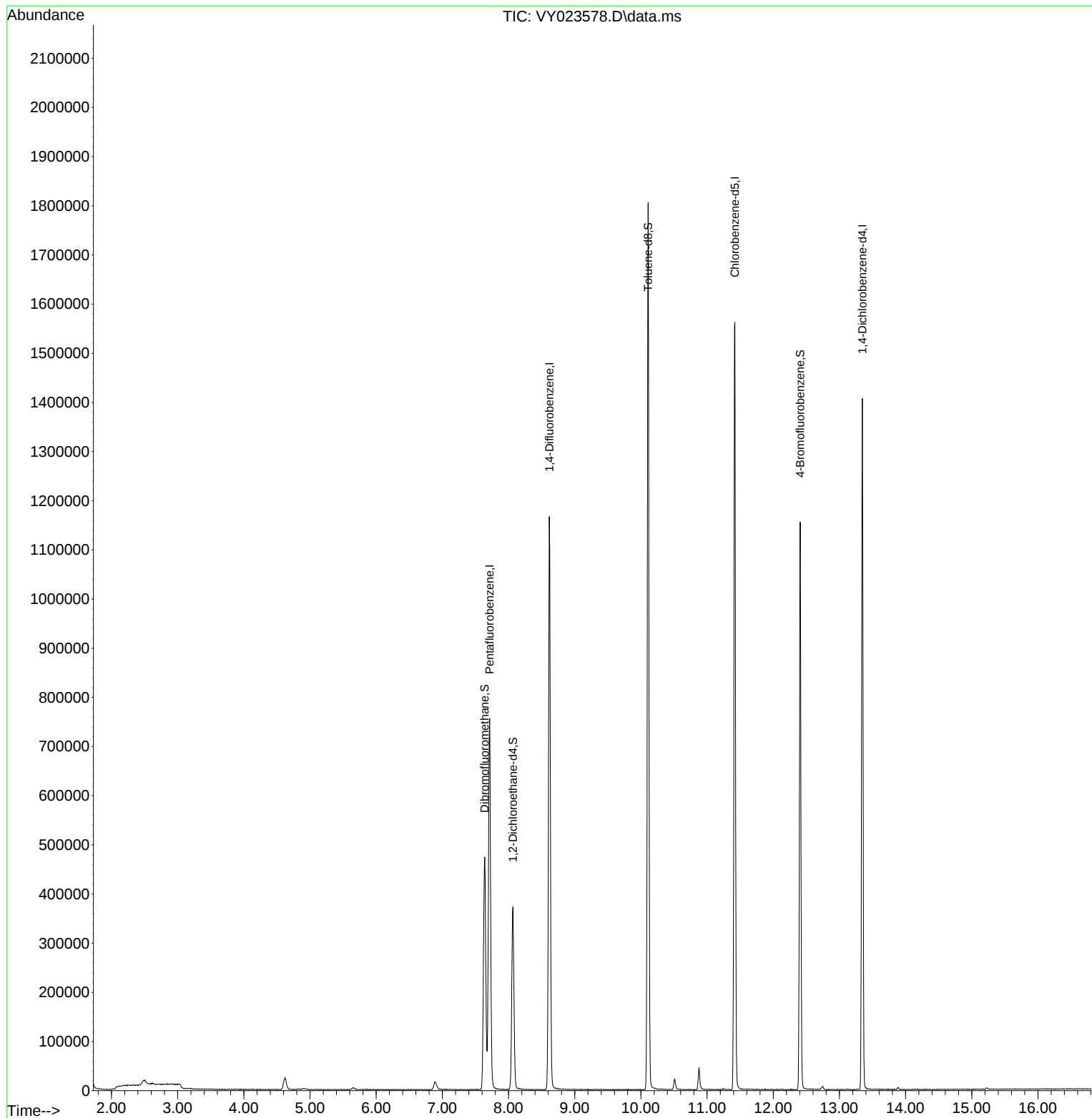
Target Compounds	Qvalue

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

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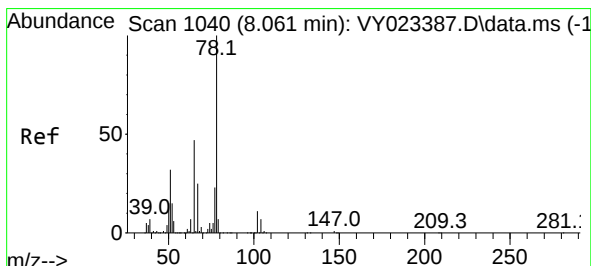
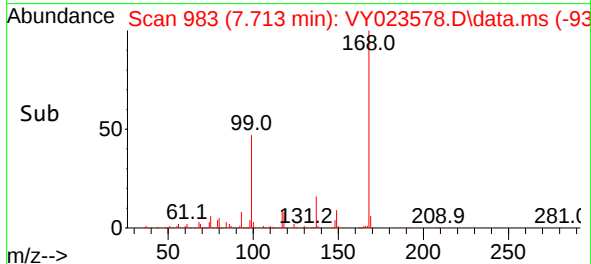
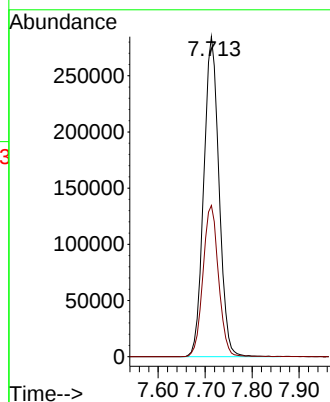
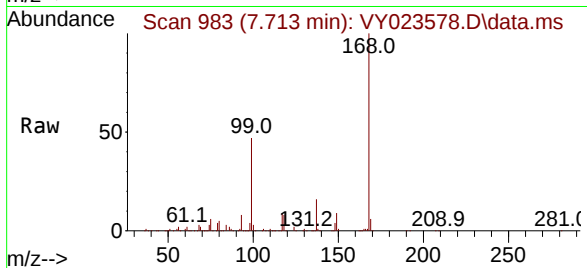




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023578.D
Acq: 24 Oct 2025 17:12

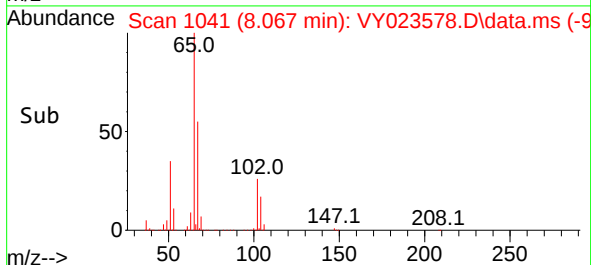
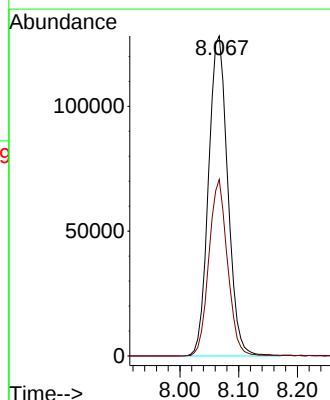
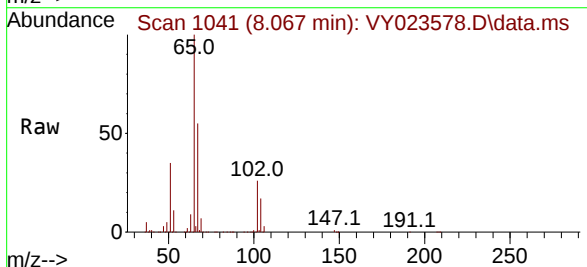
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

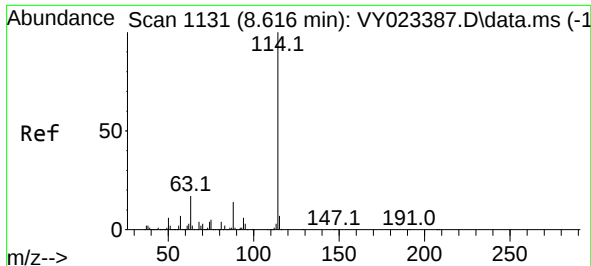
Tgt Ion:168 Resp: 640743
Ion Ratio Lower Upper
168 100
99 47.3 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 54.411 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023578.D
Acq: 24 Oct 2025 17:12

Tgt Ion: 65 Resp: 291535
Ion Ratio Lower Upper
65 100
67 53.4 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: VY023578.D

Acq: 24 Oct 2025 17:12

Instrument :

MSVOA_Y

ClientSampleId :

WC-3-VOC

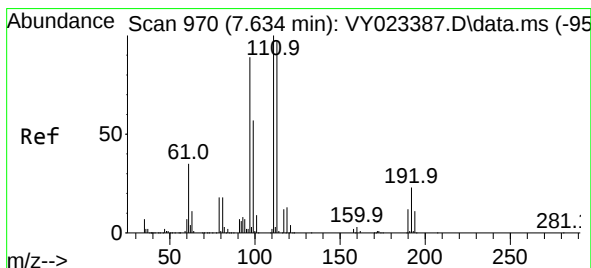
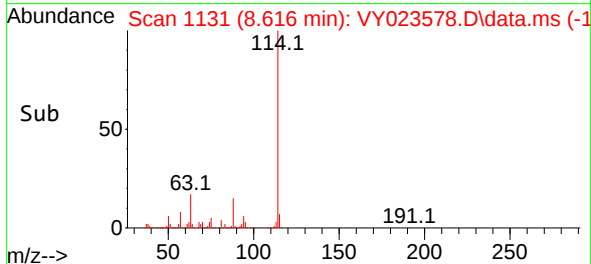
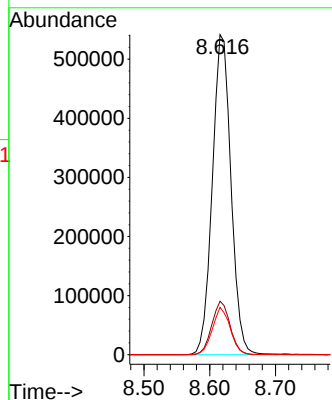
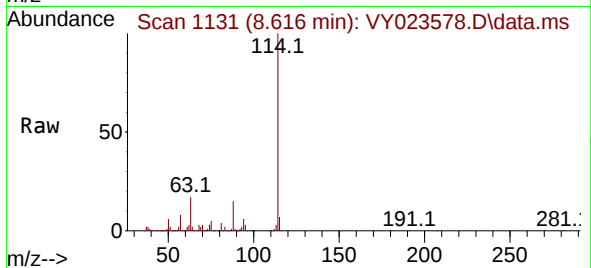
Tgt Ion:114 Resp: 1069536

Ion Ratio Lower Upper

114 100

63 16.7 0.0 34.2

88 14.8 0.0 28.4



#35

Dibromofluoromethane

Concen: 52.668 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023578.D

Acq: 24 Oct 2025 17:12

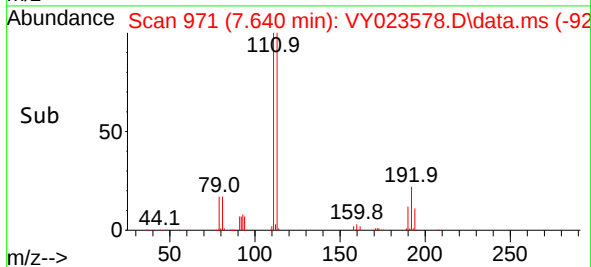
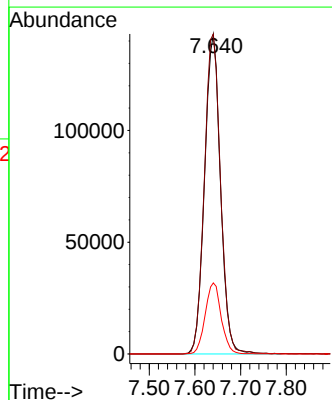
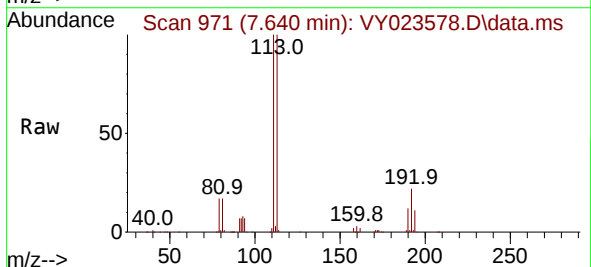
Tgt Ion:113 Resp: 346123

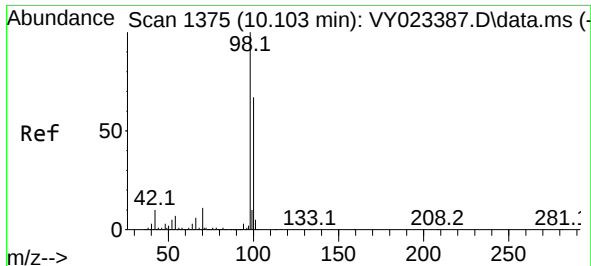
Ion Ratio Lower Upper

113 100

111 101.6 81.8 122.6

192 22.4 18.0 27.0

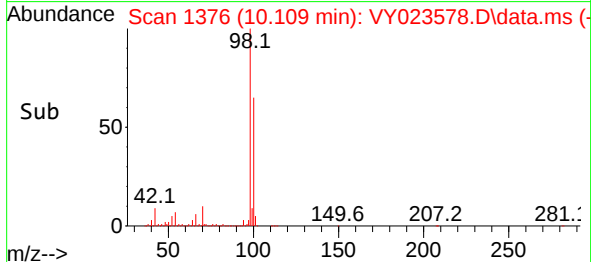
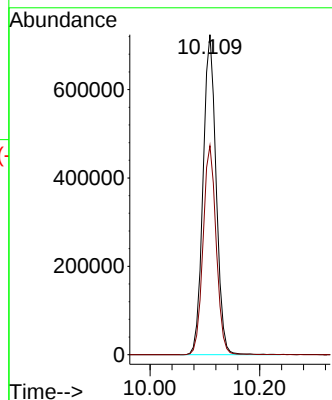
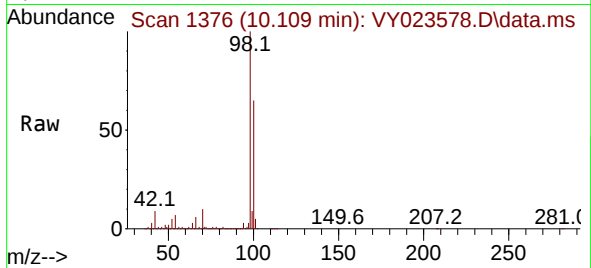




#50
Toluene-d8
Concen: 48.822 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023578.D
Acq: 24 Oct 2025 17:12

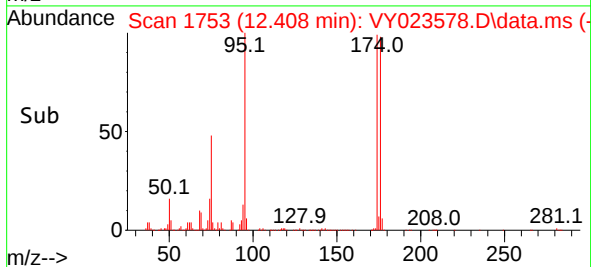
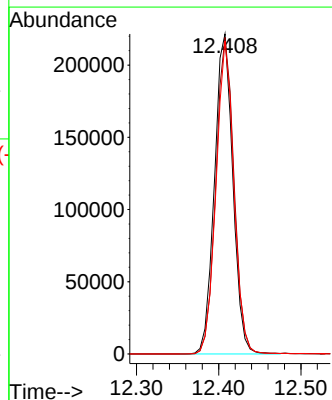
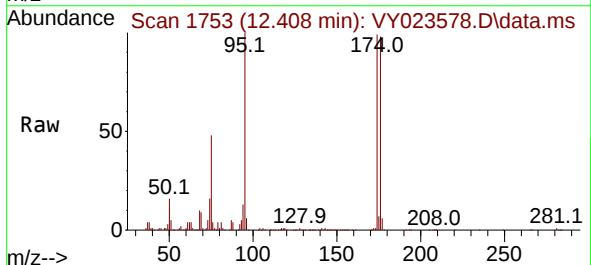
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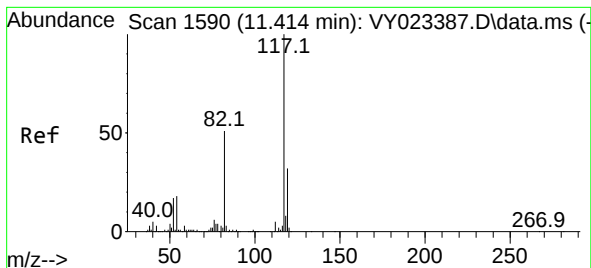
Tgt Ion: 98 Resp: 1194863
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 42.547 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023578.D
Acq: 24 Oct 2025 17:12

Tgt Ion: 95 Resp: 343784
Ion Ratio Lower Upper
95 100
174 98.2 0.0 192.8
176 94.8 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: VY023578.D

Acq: 24 Oct 2025 17:12

Instrument :

MSVOA_Y

ClientSampleId :

WC-3-VOC

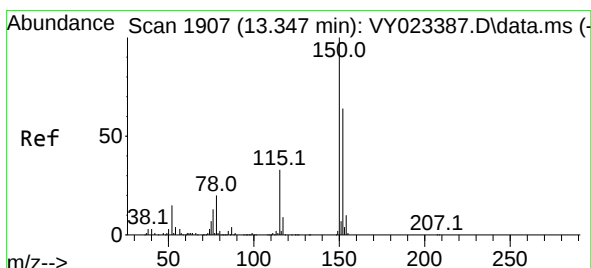
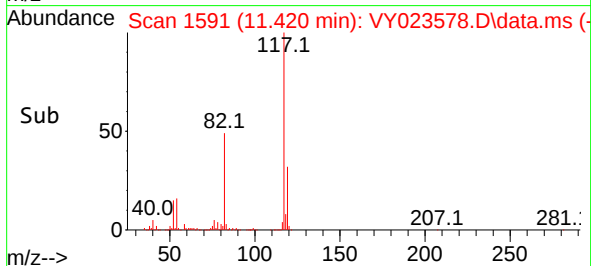
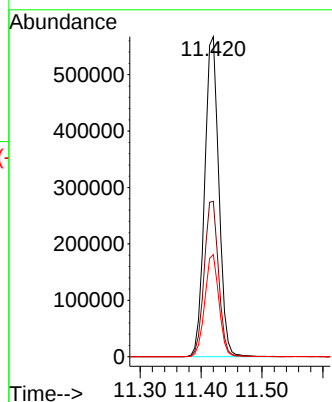
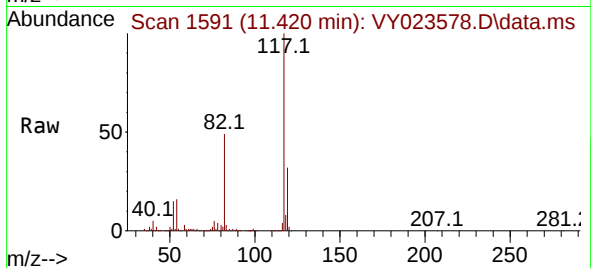
Tgt Ion:117 Resp: 918219

Ion Ratio Lower Upper

117 100

82 48.5 41.0 61.4

119 31.9 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023578.D

Acq: 24 Oct 2025 17:12

Tgt Ion:152 Resp: 384274

Ion Ratio Lower Upper

152 100

115 53.1 27.1 81.2

150 154.8 0.0 347.4

