

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061225\
 Data File : VY022670.D
 Acq On : 12 Jun 2025 13:45
 Operator : SY/MD
 Sample : Q2296-03
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC

Quant Time: Jun 13 05:40:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	143494	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	263704	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	216883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	80938	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	78884	49.152	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.300%
35) Dibromofluoromethane	7.628	113	78416	49.820	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.640%
50) Toluene-d8	10.103	98	314179	49.400	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.800%
62) 4-Bromofluorobenzene	12.402	95	80766	42.622	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.240%

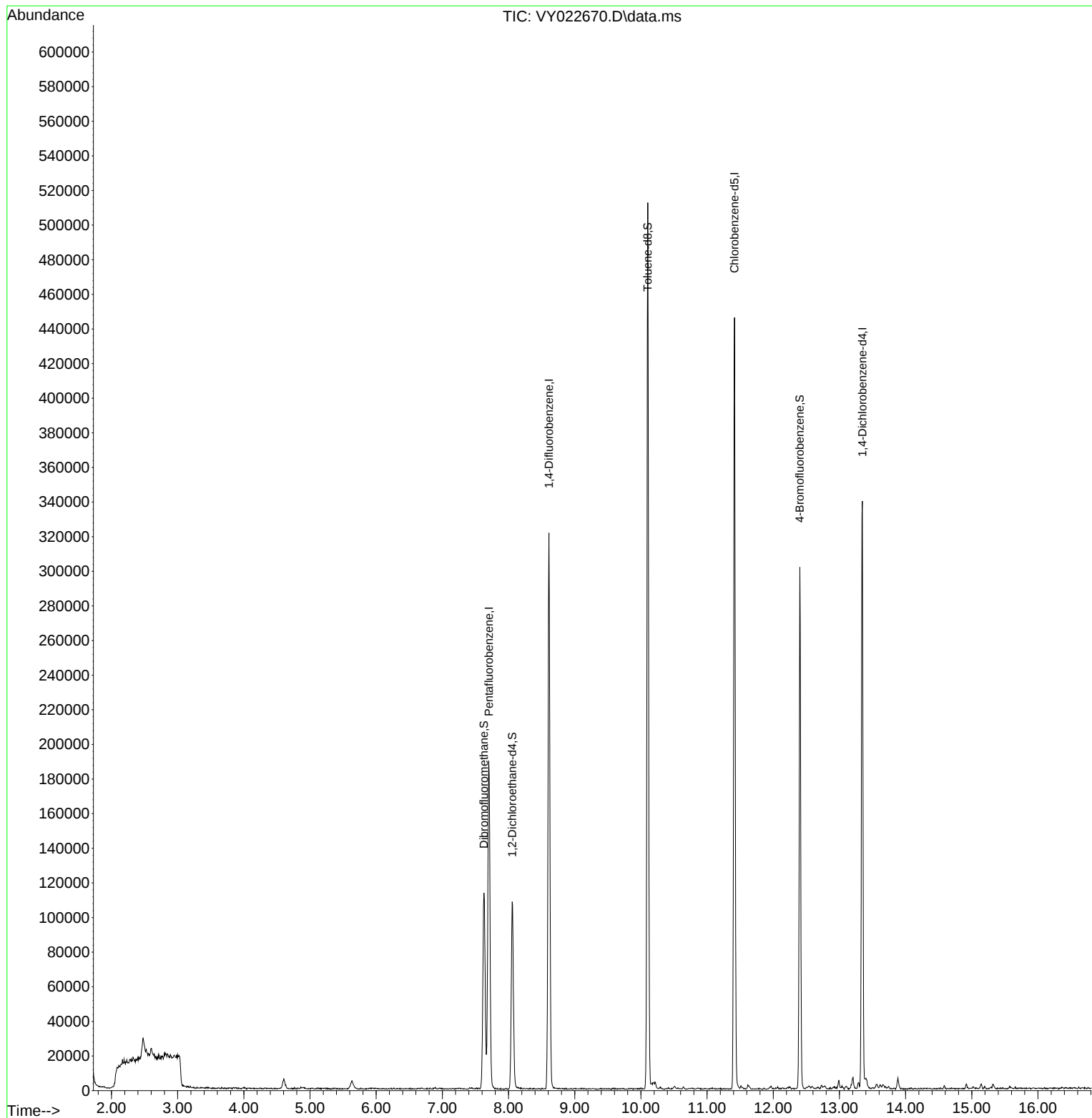
Target Compounds	Qvalue

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

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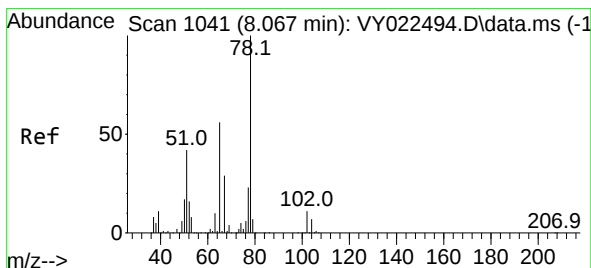
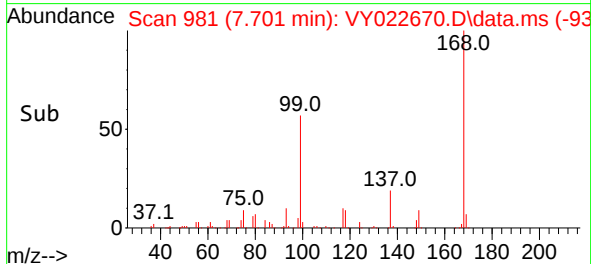
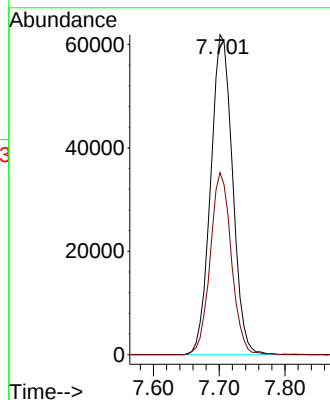
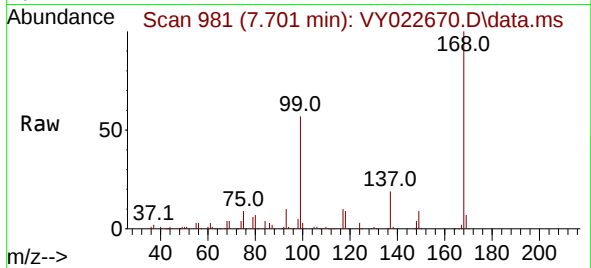




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022670.D
Acq: 12 Jun 2025 13:45

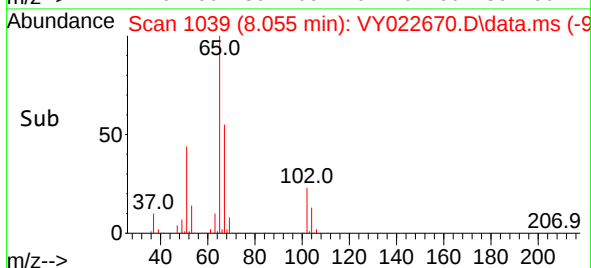
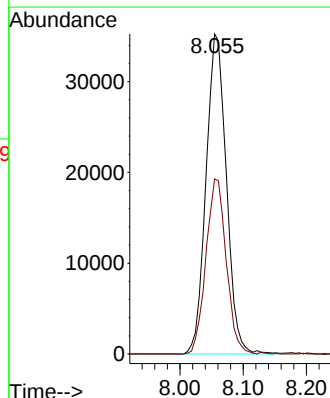
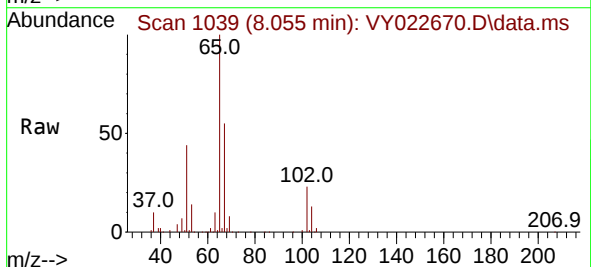
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

Tgt Ion:168 Resp: 143494
Ion Ratio Lower Upper
168 100
99 56.9 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 49.152 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022670.D
Acq: 12 Jun 2025 13:45

Tgt Ion: 65 Resp: 78884
Ion Ratio Lower Upper
65 100
67 54.5 0.0 103.4

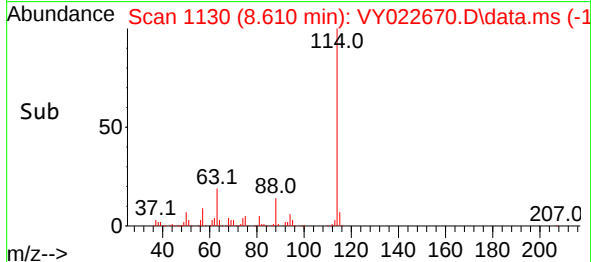
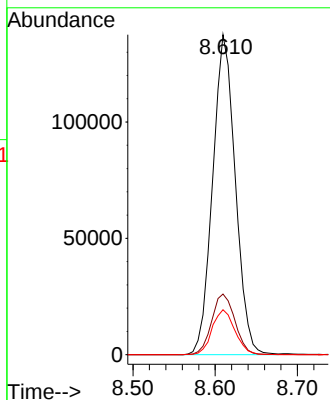
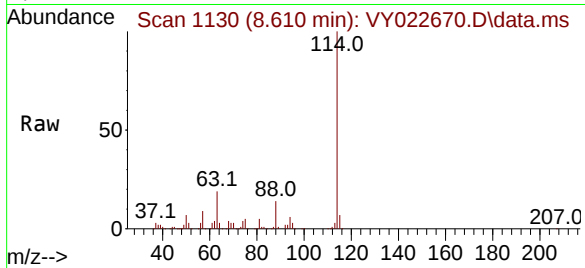




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.610 min Scan# 1131
 Delta R.T. -0.006 min
 Lab File: VY022670.D
 Acq: 12 Jun 2025 13:45

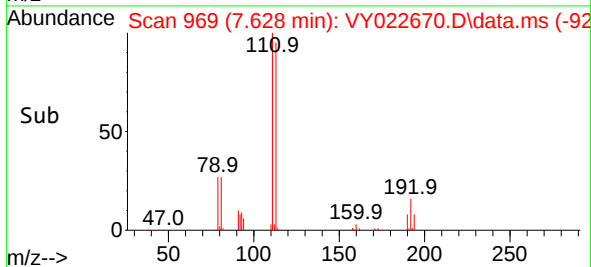
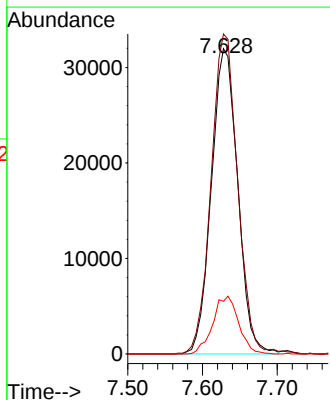
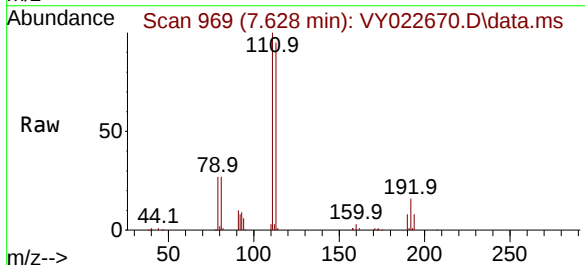
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC

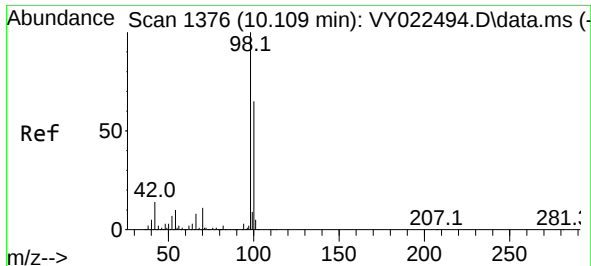
Tgt Ion:114 Resp: 263704
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.8
 88 14.1 0.0 27.8



#35
 Dibromofluoromethane
 Concen: 49.820 ug/l
 RT: 7.628 min Scan# 969
 Delta R.T. -0.012 min
 Lab File: VY022670.D
 Acq: 12 Jun 2025 13:45

Tgt Ion:113 Resp: 78416
 Ion Ratio Lower Upper
 113 100
 111 105.7 81.1 121.7
 192 18.5 14.2 21.2

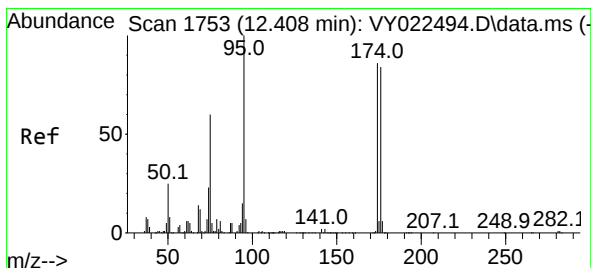
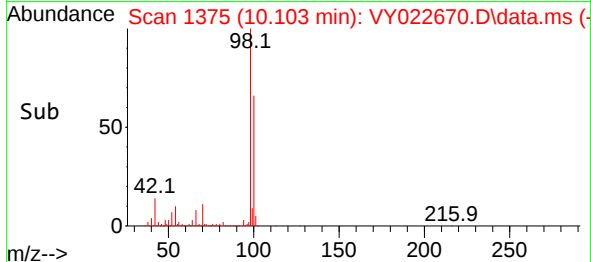
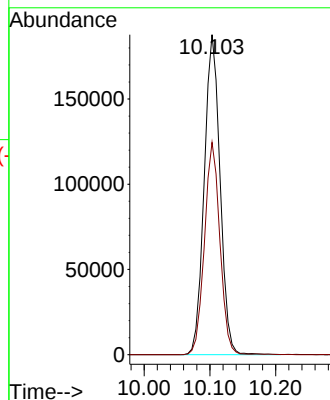
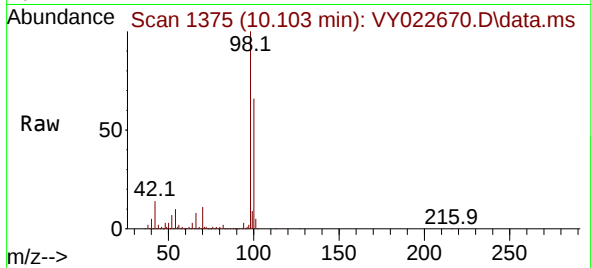




#50
Toluene-d8
Concen: 49.400 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022670.D
Acq: 12 Jun 2025 13:45

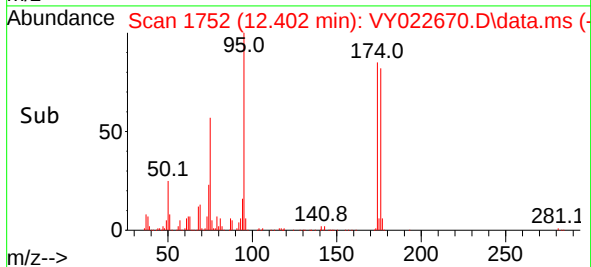
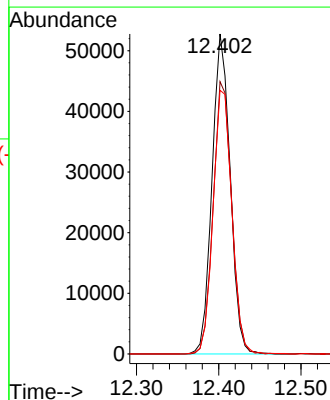
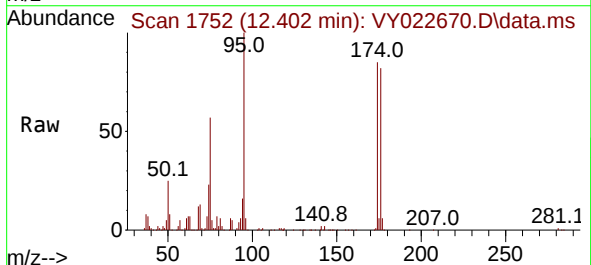
Instrument :
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ClientSampleId :
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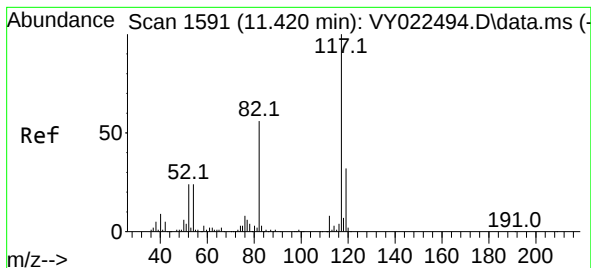
Tgt Ion: 98 Resp: 314179
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.622 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022670.D
Acq: 12 Jun 2025 13:45

Tgt Ion: 95 Resp: 80766
Ion Ratio Lower Upper
95 100
174 86.7 0.0 170.0
176 85.6 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022670.D

Acq: 12 Jun 2025 13:45

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

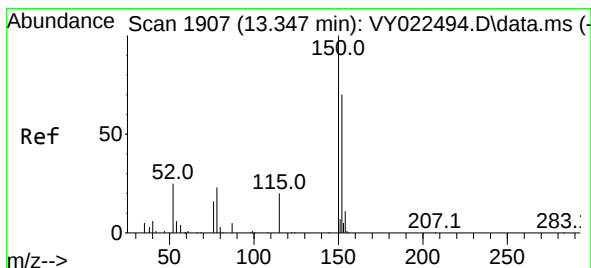
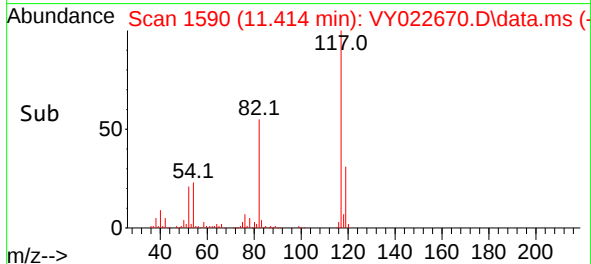
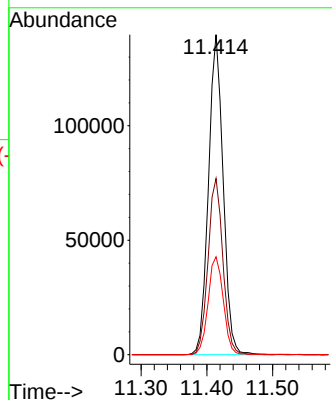
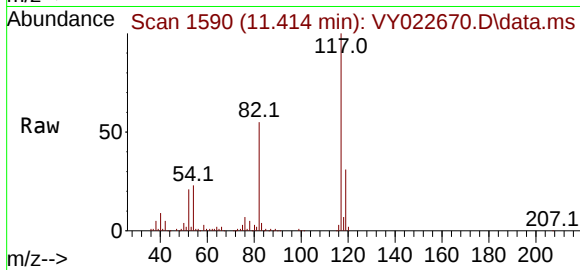
Tgt Ion:117 Resp: 216883

Ion Ratio Lower Upper

117 100

82 55.0 44.6 66.8

119 30.6 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022670.D

Acq: 12 Jun 2025 13:45

Tgt Ion:152 Resp: 80938

Ion Ratio Lower Upper

152 100

115 58.2 28.9 86.7

150 158.4 0.0 349.6

