

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022600.D
 Acq On : 06 Jun 2025 15:13
 Operator : SY/MD
 Sample : Q2207-20
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-03

Quant Time: Jun 06 23:44:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	311312	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	568187	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	444635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	161564	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	157711	45.295	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.600%
35) Dibromofluoromethane	7.628	113	166642	49.137	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.280%
50) Toluene-d8	10.103	98	680231	49.640	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.280%
62) 4-Bromofluorobenzene	12.401	95	164336	40.250	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.500%

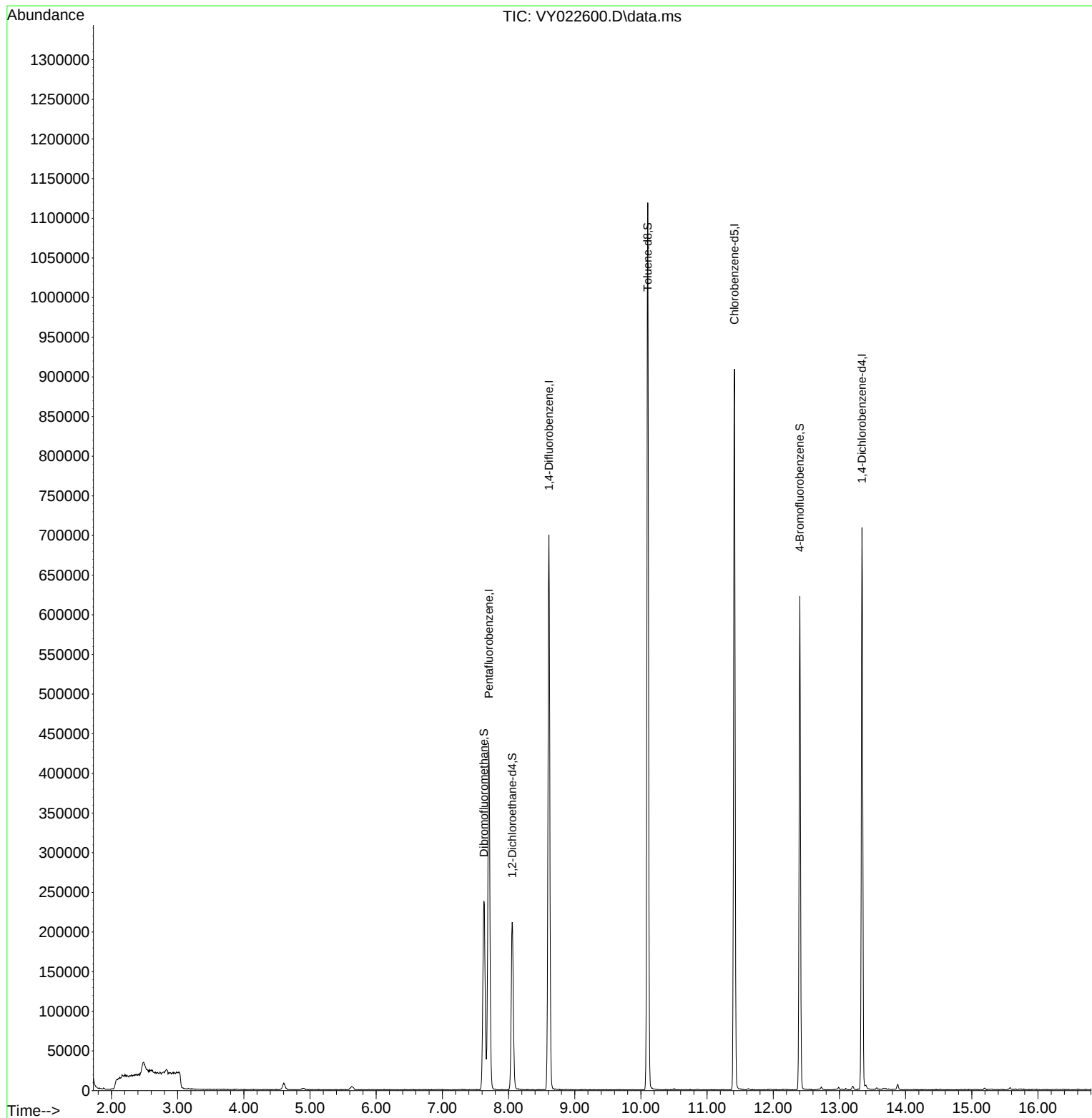
Target Compounds	Qvalue

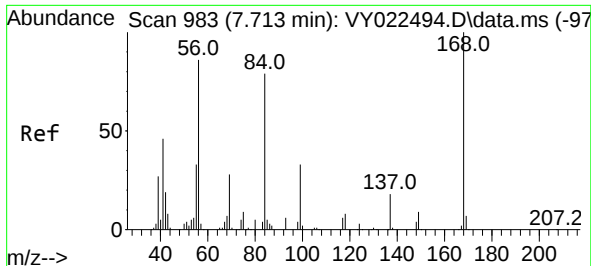
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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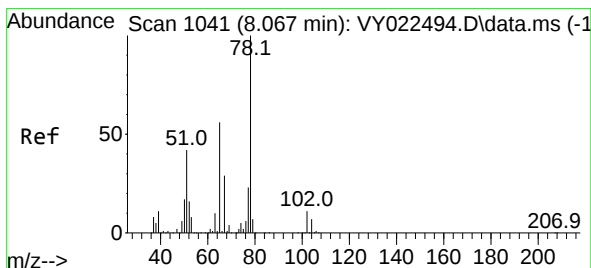
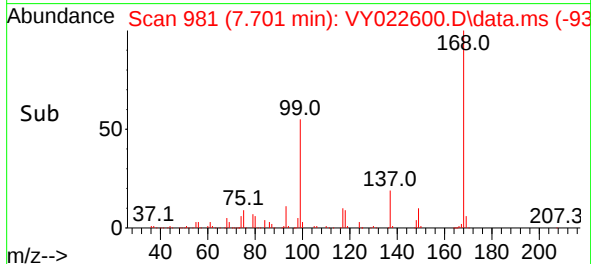
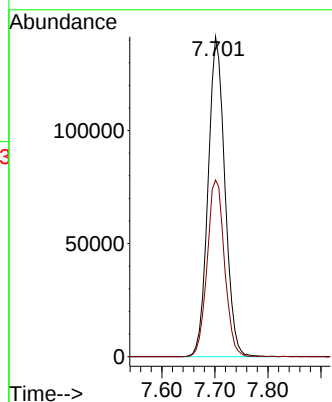
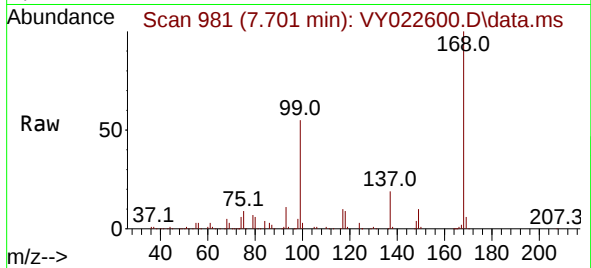




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022600.D
Acq: 06 Jun 2025 15:13

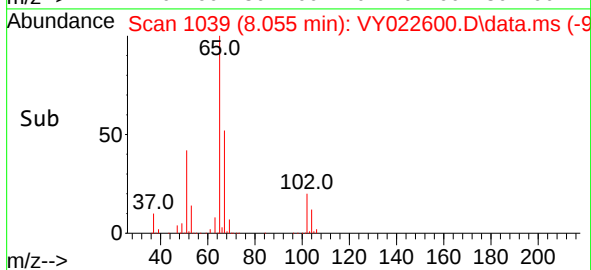
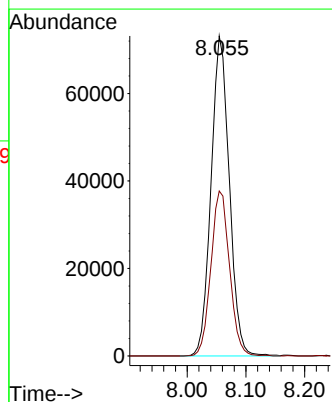
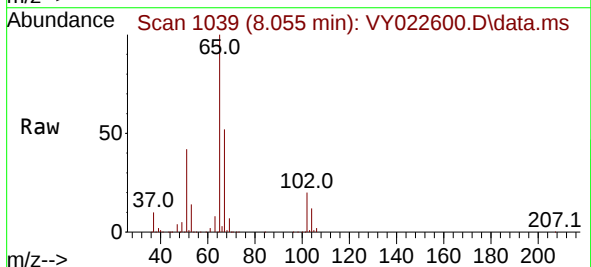
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-03

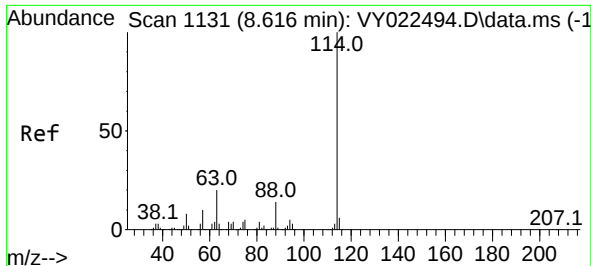
Tgt Ion:168 Resp: 311312
Ion Ratio Lower Upper
168 100
99 55.2 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 45.295 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022600.D
Acq: 06 Jun 2025 15:13

Tgt Ion: 65 Resp: 157711
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.4

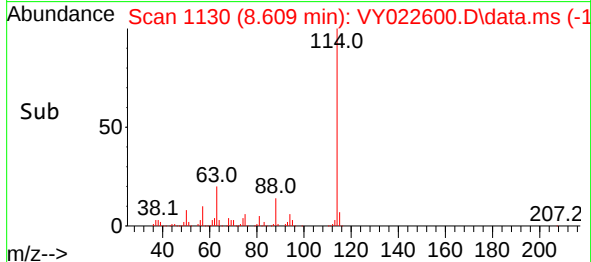
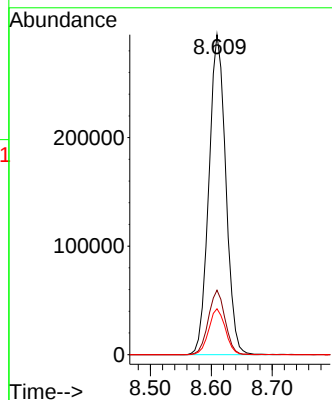
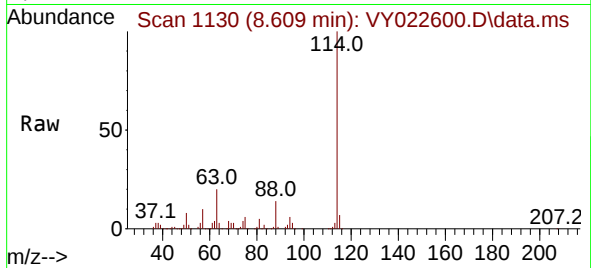




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022600.D
Acq: 06 Jun 2025 15:13

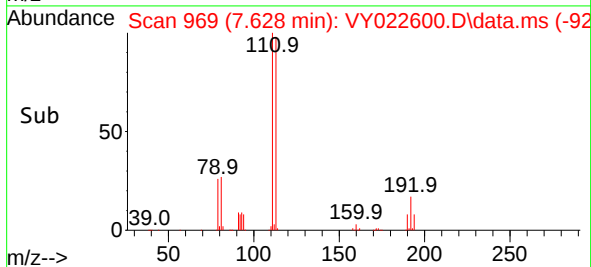
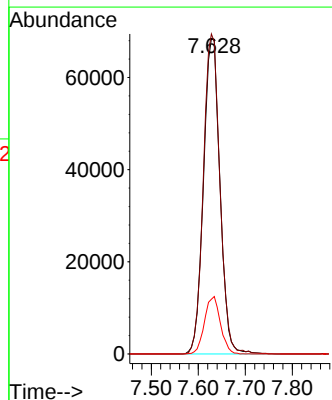
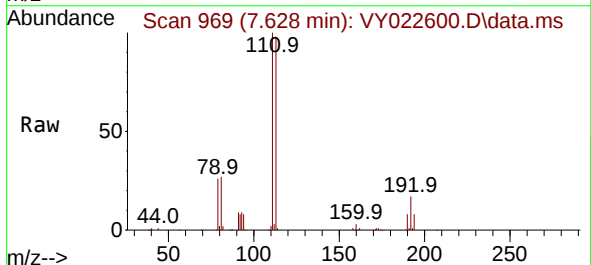
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-03

Tgt Ion:114 Resp: 568187
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 14.4 0.0 27.8



#35
Dibromofluoromethane
Concen: 49.137 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022600.D
Acq: 06 Jun 2025 15:13

Tgt Ion:113 Resp: 166642
Ion Ratio Lower Upper
113 100
111 101.5 81.1 121.7
192 17.6 14.2 21.2

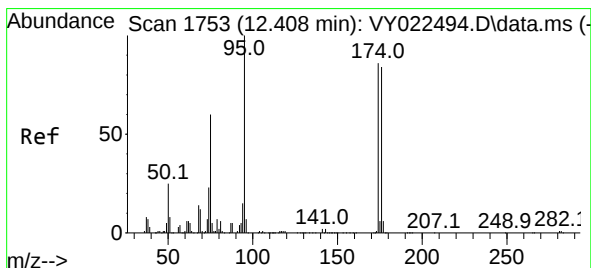
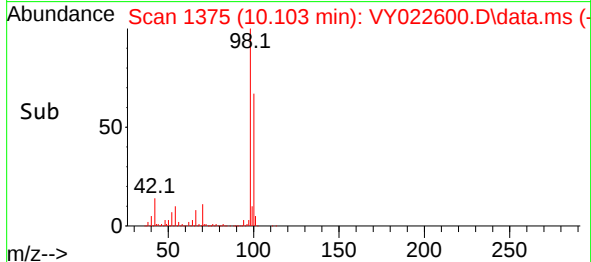
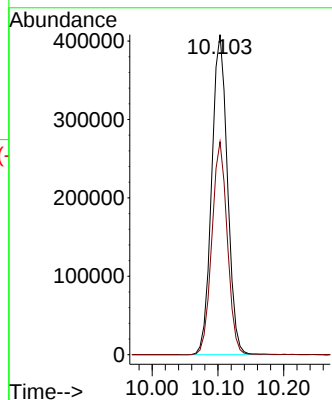
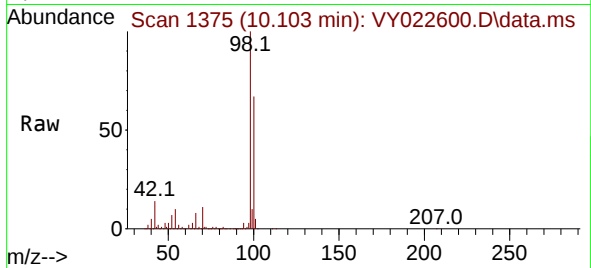




#50
Toluene-d8
Concen: 49.640 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022600.D
Acq: 06 Jun 2025 15:13

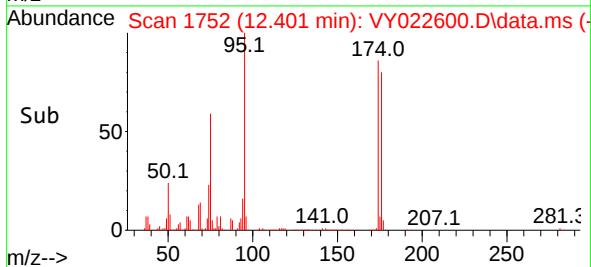
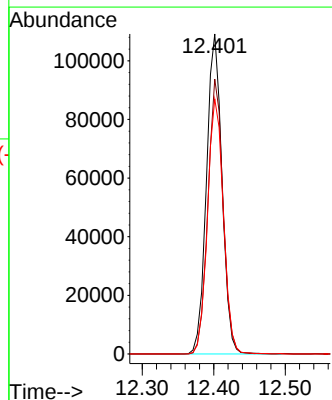
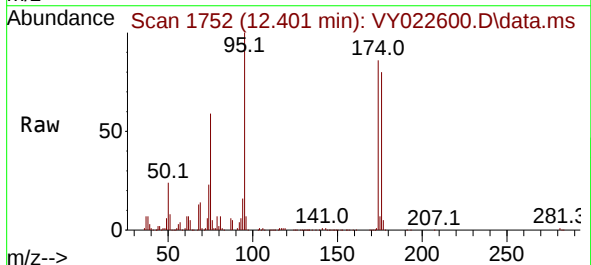
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-03

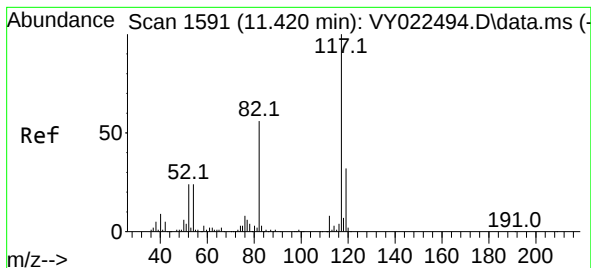
Tgt Ion: 98 Resp: 680231
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 40.250 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022600.D
Acq: 06 Jun 2025 15:13

Tgt Ion: 95 Resp: 164336
Ion Ratio Lower Upper
95 100
174 84.5 0.0 170.0
176 81.6 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.006 min

Lab File: VY022600.D

Acq: 06 Jun 2025 15:13

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-03

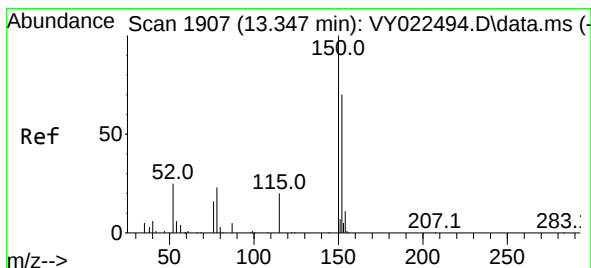
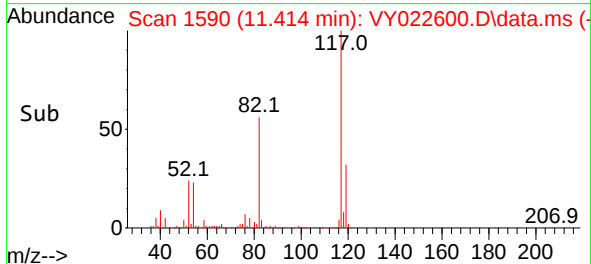
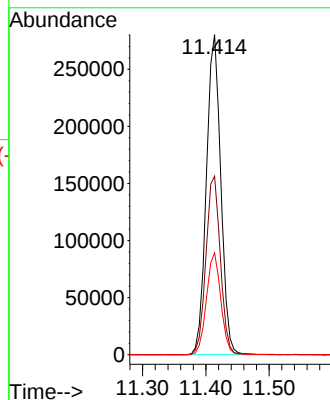
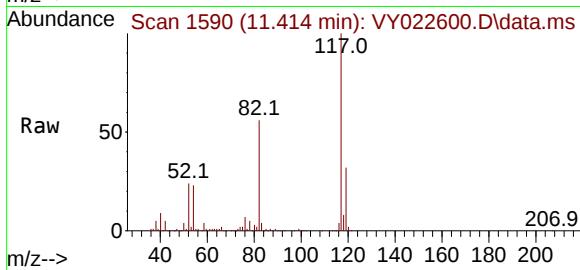
Tgt Ion:117 Resp: 444635

Ion Ratio Lower Upper

117 100

82 55.8 44.6 66.8

119 31.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022600.D

Acq: 06 Jun 2025 15:13

Tgt Ion:152 Resp: 161564

Ion Ratio Lower Upper

152 100

115 56.6 28.9 86.7

150 155.2 0.0 349.6

