

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022791.D
 Acq On : 24 Jun 2025 12:45
 Operator : SY/MD
 Sample : Q2384-01RE
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-6202025RE

Quant Time: Jun 25 01:24:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	37924	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	58561	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	39584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	13190	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	15865	37.482	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	74.960%
35) Dibromofluoromethane	7.634	113	16446	46.179	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.360%
50) Toluene-d8	10.103	98	66394	46.981	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.960%
62) 4-Bromofluorobenzene	12.401	95	14655	32.258	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	64.520%

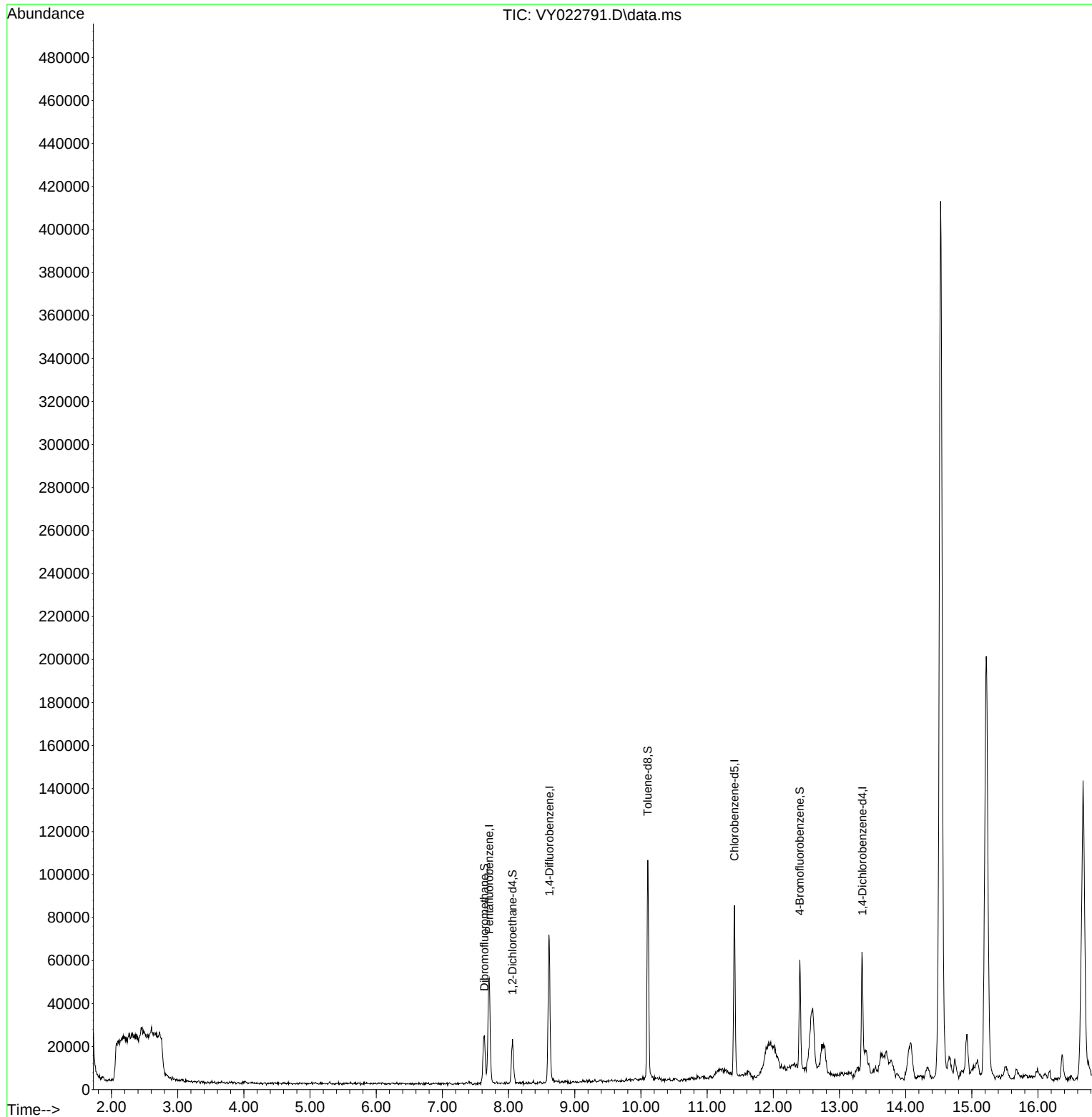
Target Compounds	Qvalue

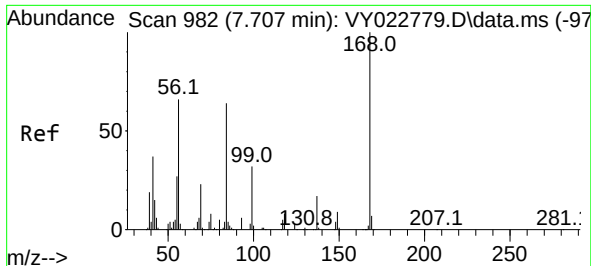
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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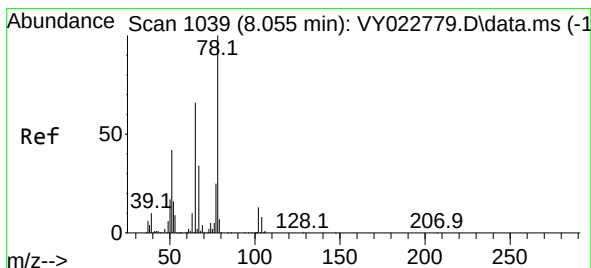
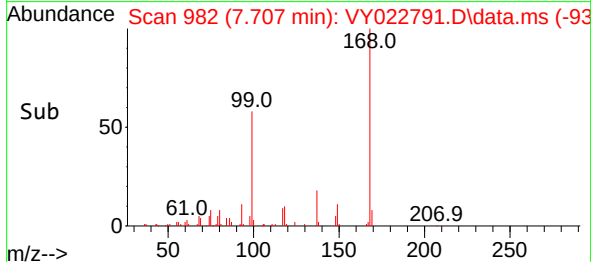
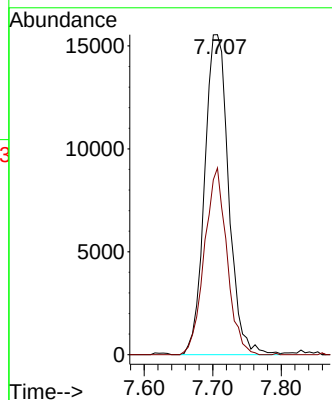
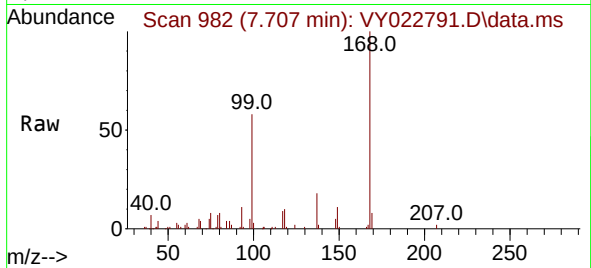




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022791.D
Acq: 24 Jun 2025 12:45

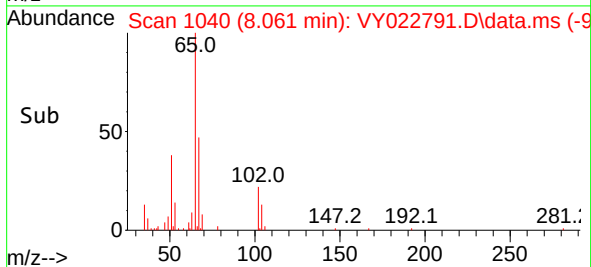
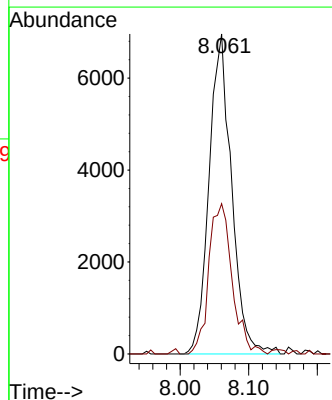
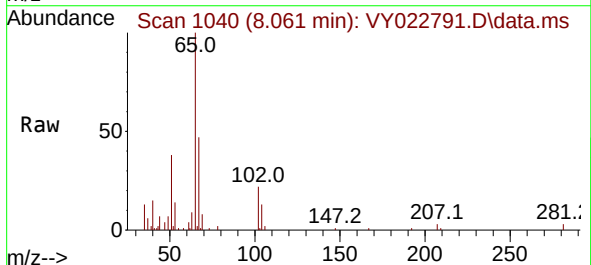
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-6202025RE

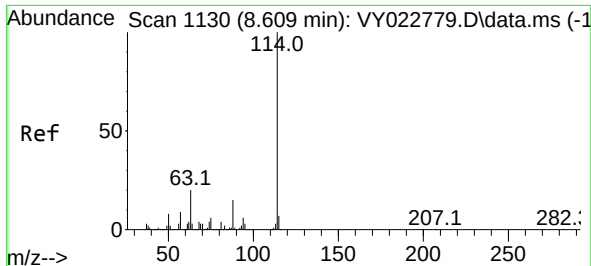
Tgt Ion:168 Resp: 37924
Ion Ratio Lower Upper
168 100
99 58.3 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 37.482 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.007 min
Lab File: VY022791.D
Acq: 24 Jun 2025 12:45

Tgt Ion: 65 Resp: 15865
Ion Ratio Lower Upper
65 100
67 48.6 0.0 103.4

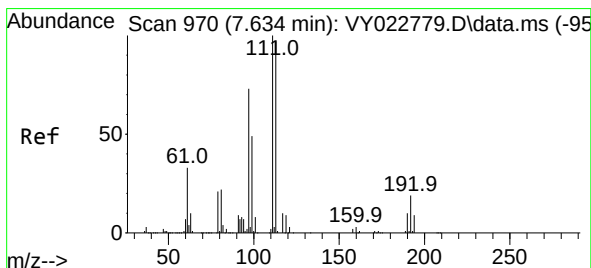
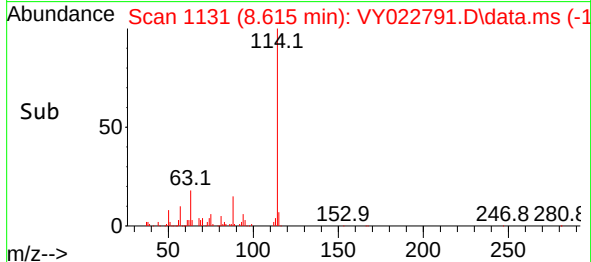
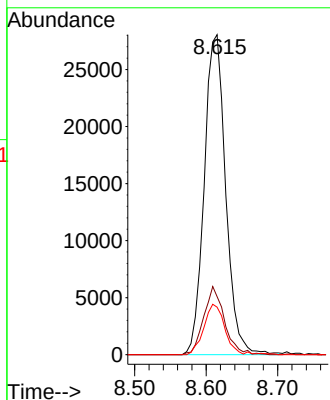
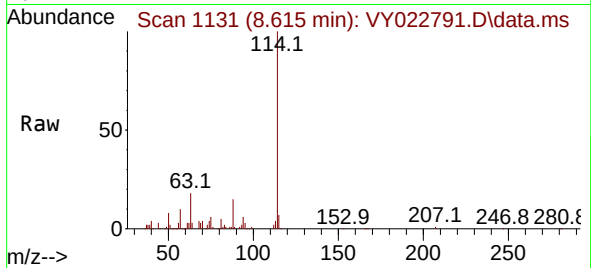




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022791.D
Acq: 24 Jun 2025 12:45

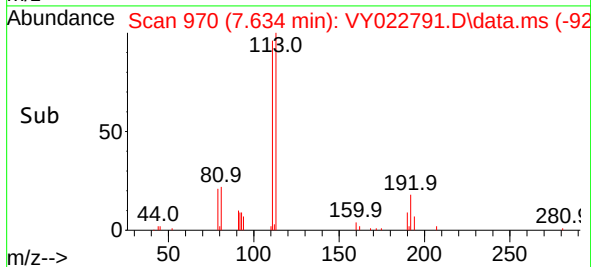
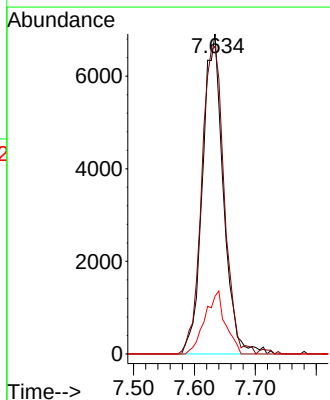
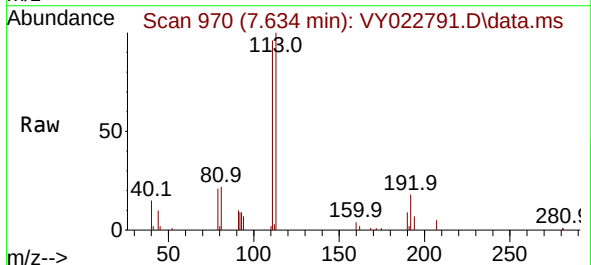
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-6202025RE

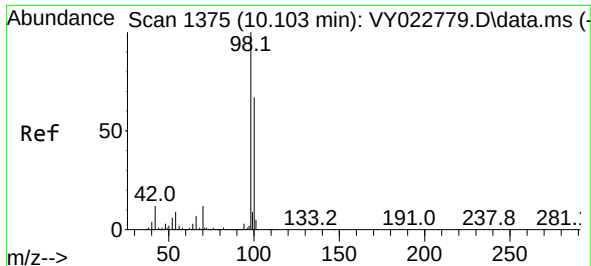
Tgt Ion:	114	Resp:	58561
Ion Ratio	Lower	Upper	
114	100		
63	18.2	0.0	40.8
88	14.9	0.0	27.8



#35
Dibromofluoromethane
Concen: 46.179 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022791.D
Acq: 24 Jun 2025 12:45

Tgt Ion:	113	Resp:	16446
Ion Ratio	Lower	Upper	
113	100		
111	103.9	81.1	121.7
192	19.3	14.2	21.2

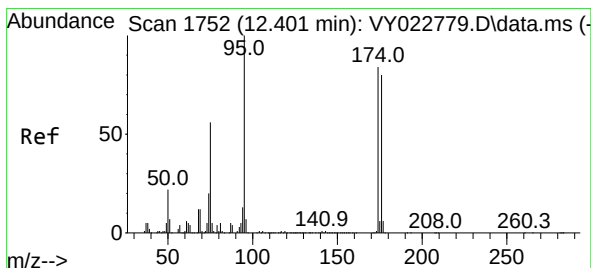
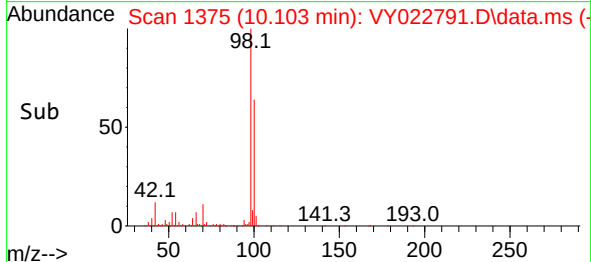
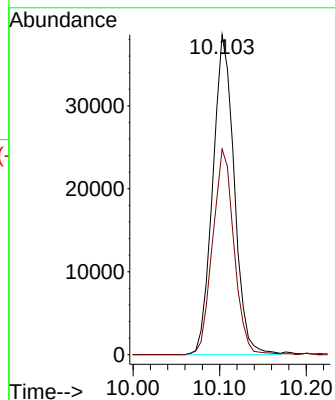
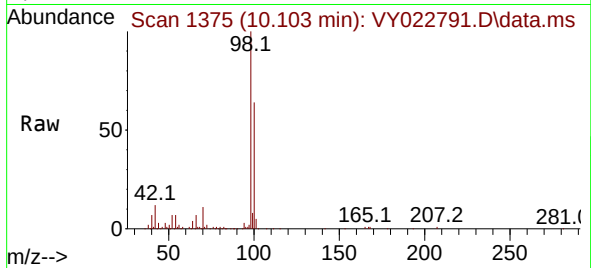




#50
Toluene-d8
Concen: 46.981 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VY022791.D
Acq: 24 Jun 2025 12:45

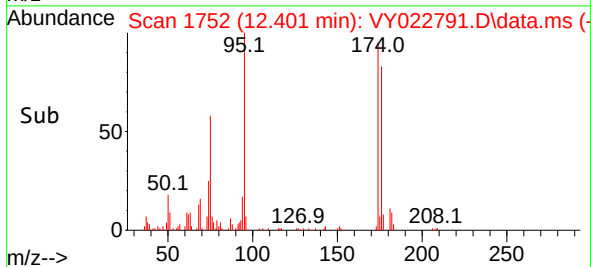
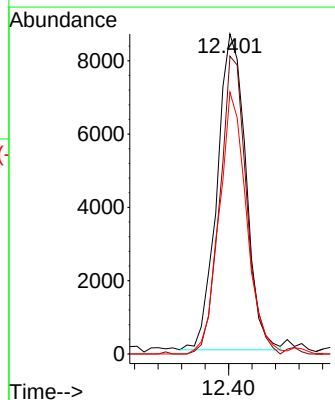
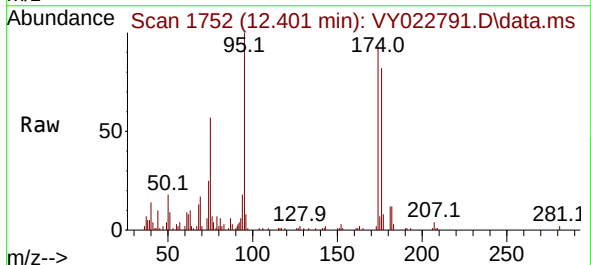
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-6202025RE

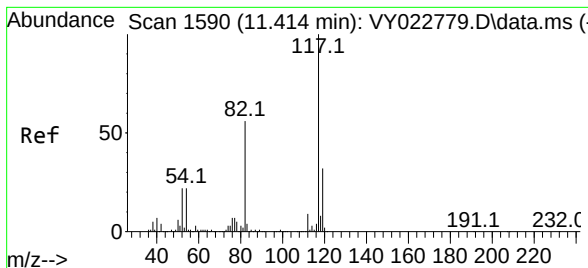
Tgt Ion: 98 Resp: 66394
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 32.258 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.007 min
Lab File: VY022791.D
Acq: 24 Jun 2025 12:45

Tgt Ion: 95 Resp: 14655
Ion Ratio Lower Upper
95 100
174 87.2 0.0 170.0
176 79.0 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022791.D

Acq: 24 Jun 2025 12:45

Instrument :

MSVOA_Y

ClientSampleId :

OK-01-6202025RE

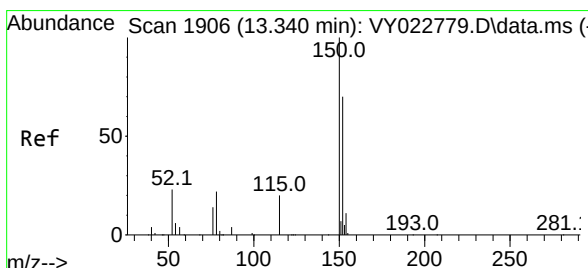
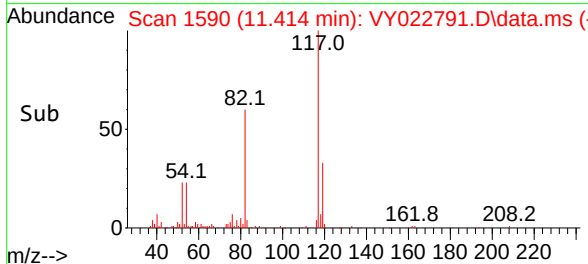
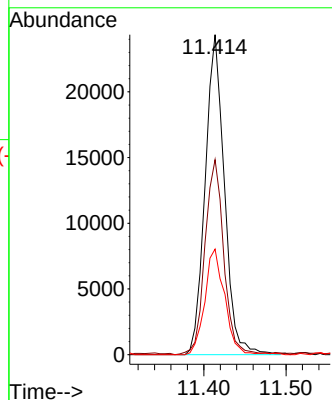
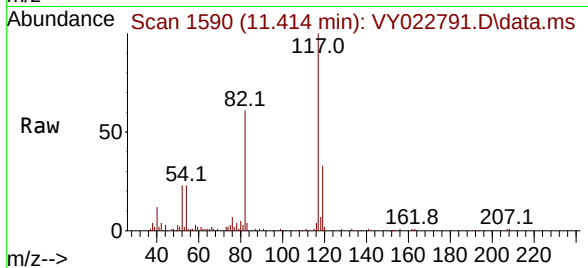
Tgt Ion:117 Resp: 39584

Ion Ratio Lower Upper

117 100

82 60.7 44.6 66.8

119 33.0 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: VY022791.D

Acq: 24 Jun 2025 12:45

Tgt Ion:152 Resp: 13190

Ion Ratio Lower Upper

152 100

115 60.5 28.9 86.7

150 156.7 0.0 349.6

