

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022934.D
 Acq On : 03 Jul 2025 11:53
 Operator : SY/MD
 Sample : Q2491-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-1-070225

Quant Time: Jul 04 03:17:47 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	284524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	543195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	551151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	250221	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	171618	54.043	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.080%
35) Dibromofluoromethane	7.634	113	173919	52.648	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.300%
50) Toluene-d8	10.109	98	667187	50.897	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.800%
62) 4-Bromofluorobenzene	12.402	95	251976	59.795	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	119.600%

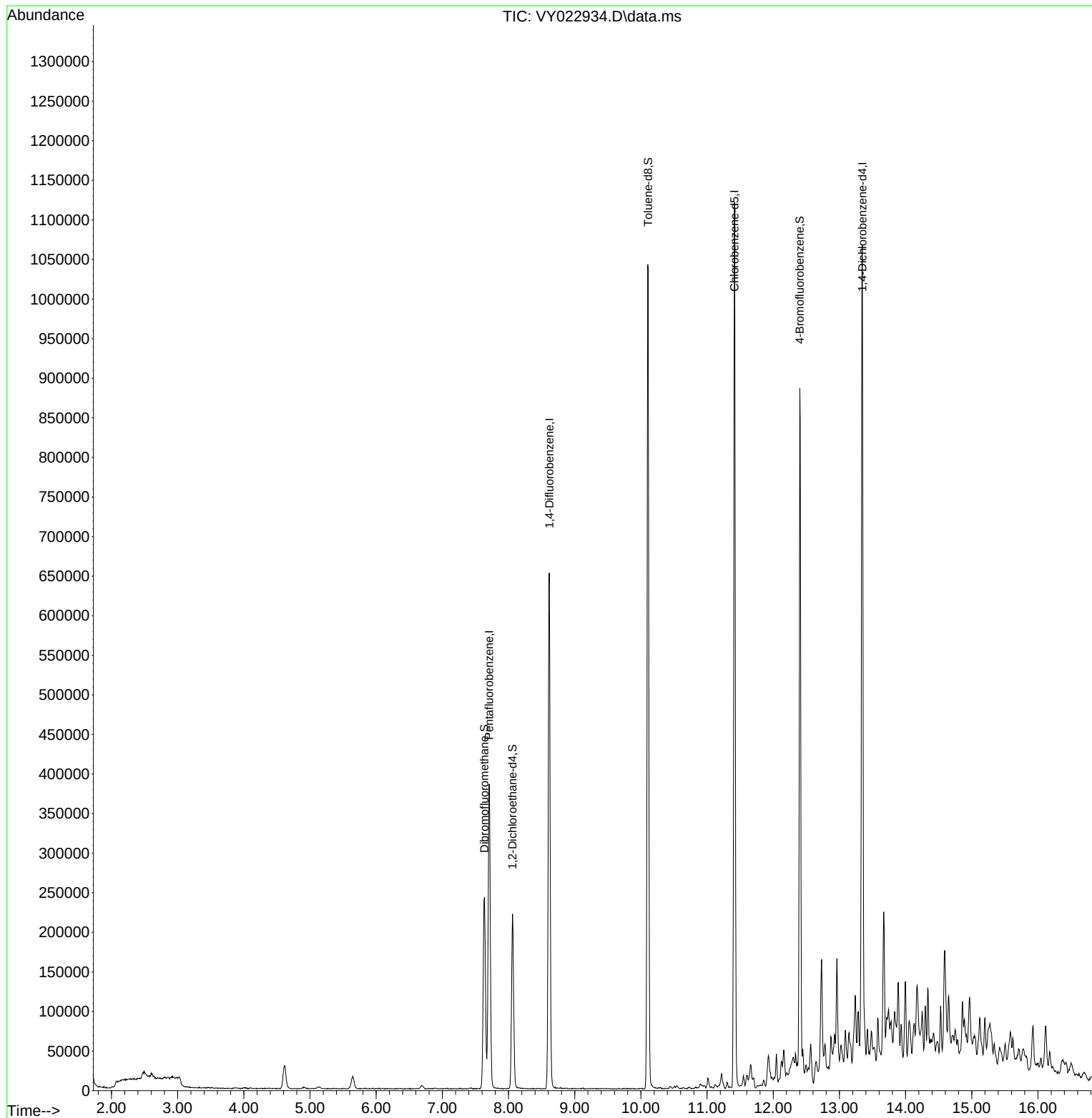
Target Compounds	Qvalue

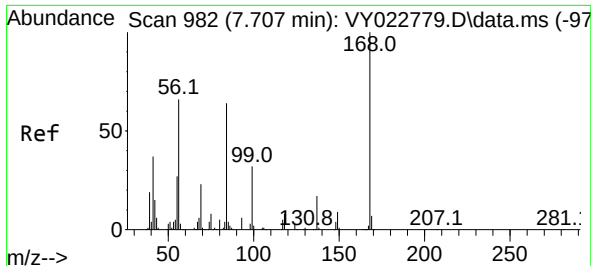
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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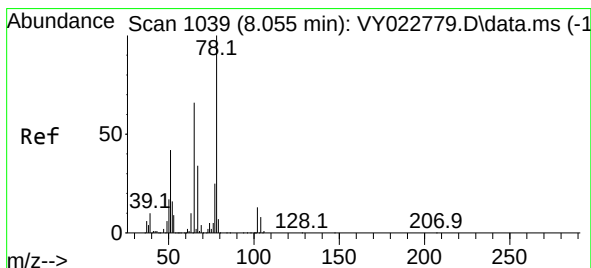
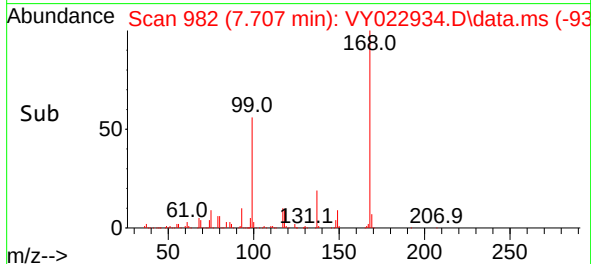
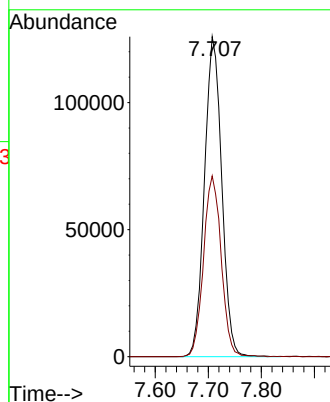
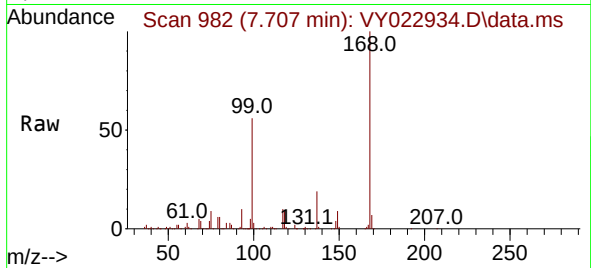




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022934.D
Acq: 03 Jul 2025 11:53

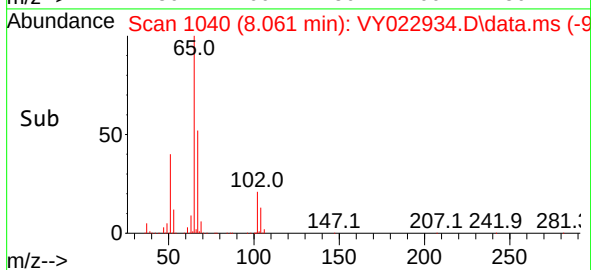
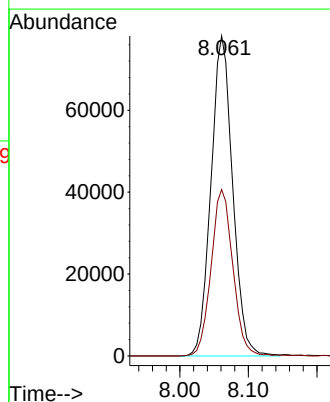
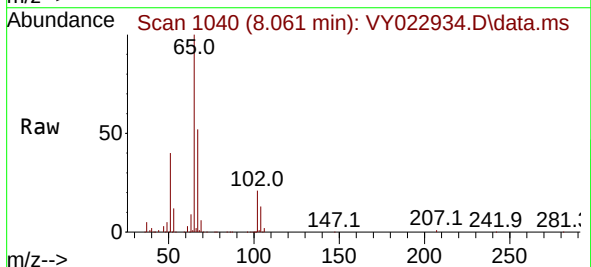
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-070225

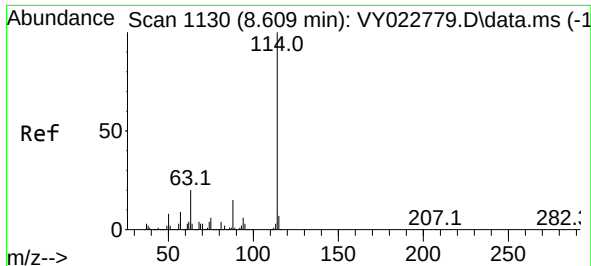
Tgt Ion:168 Resp: 284524
Ion Ratio Lower Upper
168 100
99 56.4 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 54.043 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022934.D
Acq: 03 Jul 2025 11:53

Tgt Ion: 65 Resp: 171618
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.4

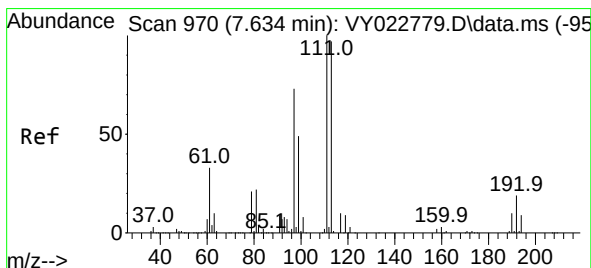
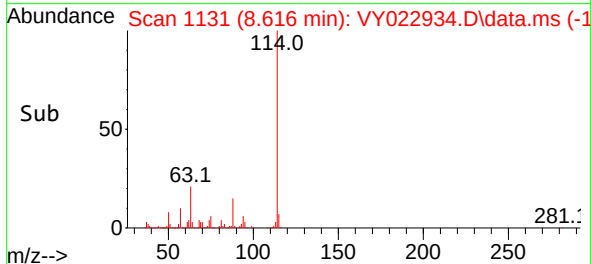
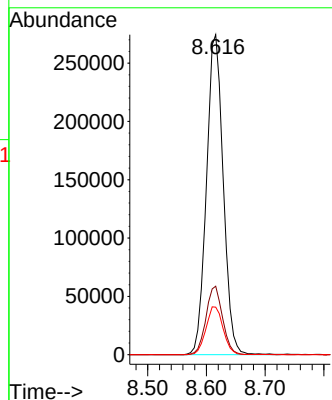
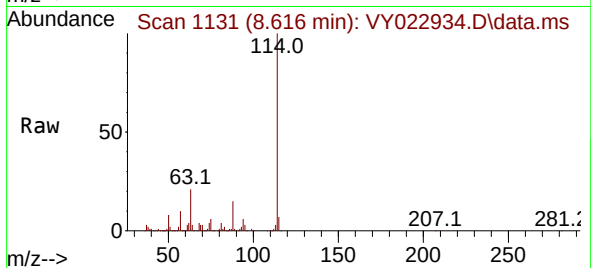




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022934.D
Acq: 03 Jul 2025 11:53

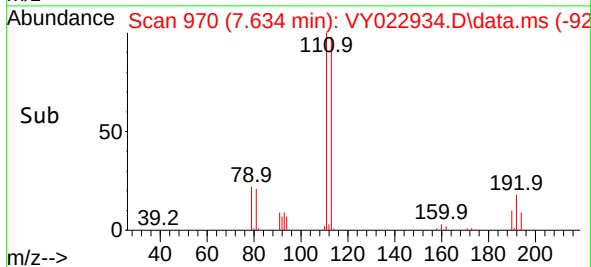
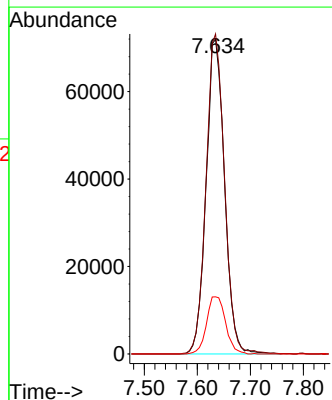
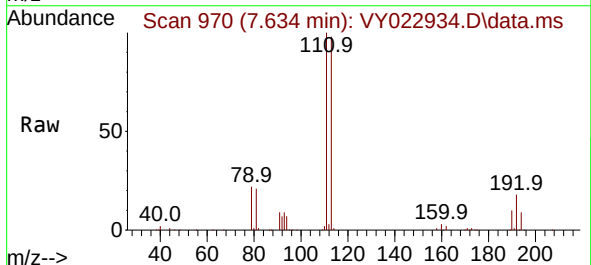
Instrument :
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ClientSampleId :
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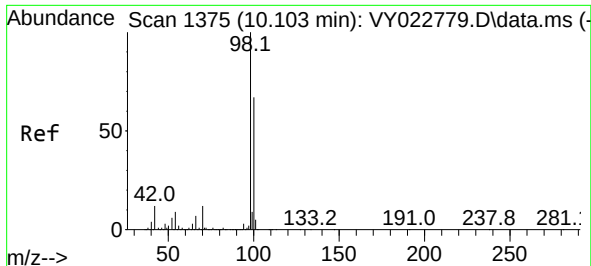
Tgt Ion:114 Resp: 543195
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.8
88 14.9 0.0 27.8



#35
Dibromofluoromethane
Concen: 52.648 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022934.D
Acq: 03 Jul 2025 11:53

Tgt Ion:113 Resp: 173919
Ion Ratio Lower Upper
113 100
111 101.9 81.1 121.7
192 18.7 14.2 21.2

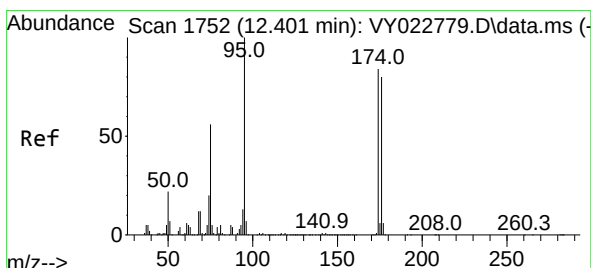
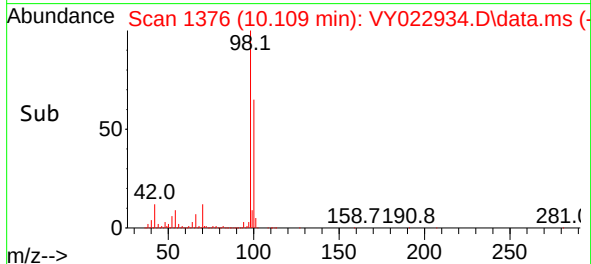
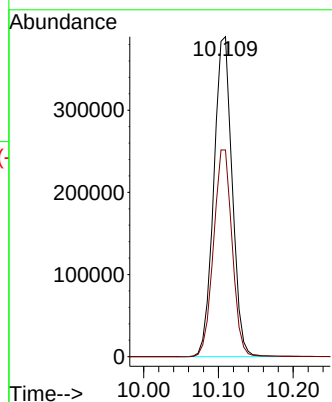
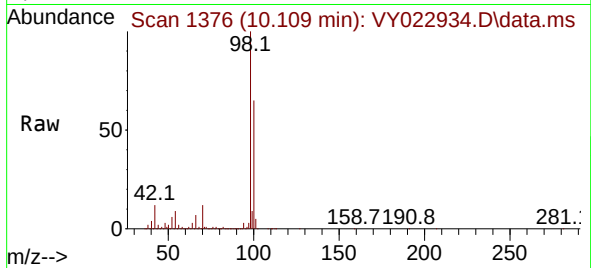




#50
Toluene-d8
Concen: 50.897 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022934.D
Acq: 03 Jul 2025 11:53

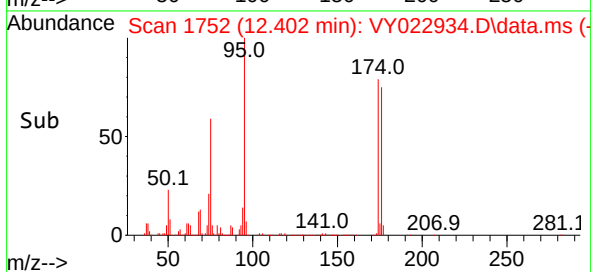
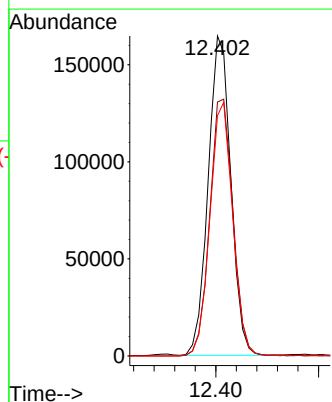
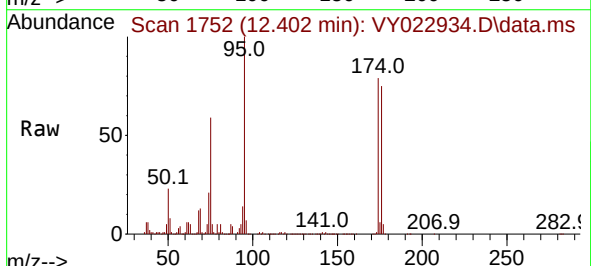
Instrument :
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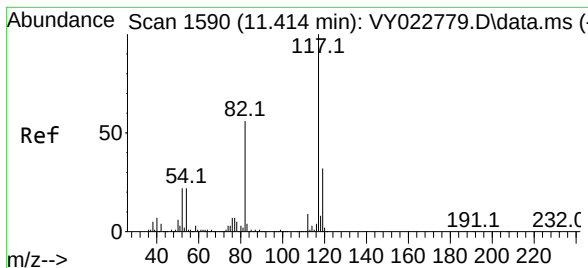
Tgt Ion: 98 Resp: 667187
Ion Ratio Lower Upper
98 100
100 65.5 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 59.795 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022934.D
Acq: 03 Jul 2025 11:53

Tgt Ion: 95 Resp: 251976
Ion Ratio Lower Upper
95 100
174 82.8 0.0 170.0
176 79.7 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: VY022934.D

Acq: 03 Jul 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

EO-1-070225

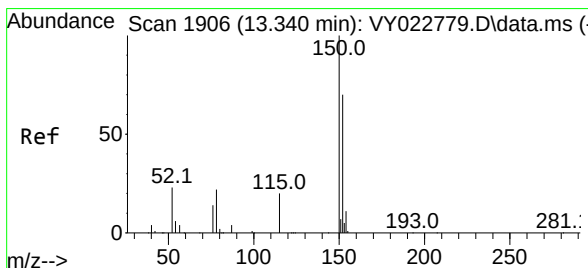
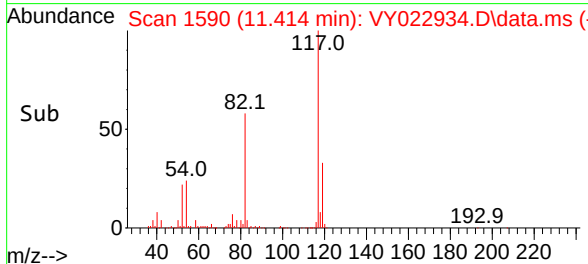
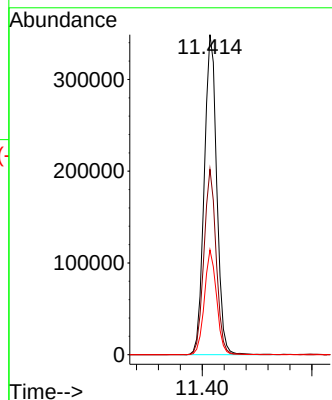
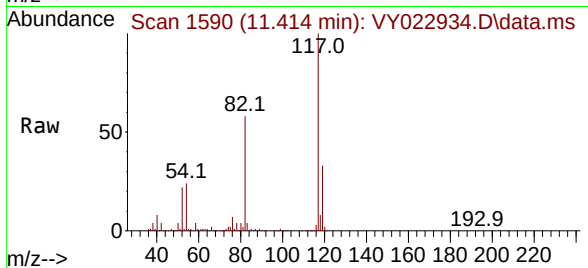
Tgt Ion:117 Resp: 551151

Ion Ratio Lower Upper

117 100

82 57.9 44.6 66.8

119 32.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022934.D

Acq: 03 Jul 2025 11:53

Tgt Ion:152 Resp: 250221

Ion Ratio Lower Upper

152 100

115 58.8 28.9 86.7

150 159.1 0.0 349.6

