

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
 Data File : VY022864.D
 Acq On : 27 Jun 2025 16:06
 Operator : SY/MD
 Sample : Q2436-09
 Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-99

Quant Time: Jun 27 23:19:56 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	7.713	168	301121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	558142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	536522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	230605	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	168750	50.211	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.420%
35) Dibromofluoromethane	7.634	113	172035	50.683	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.360%
50) Toluene-d8	10.109	98	673924	50.034	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.060%
62) 4-Bromofluorobenzene	12.402	95	234963	54.265	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.520%

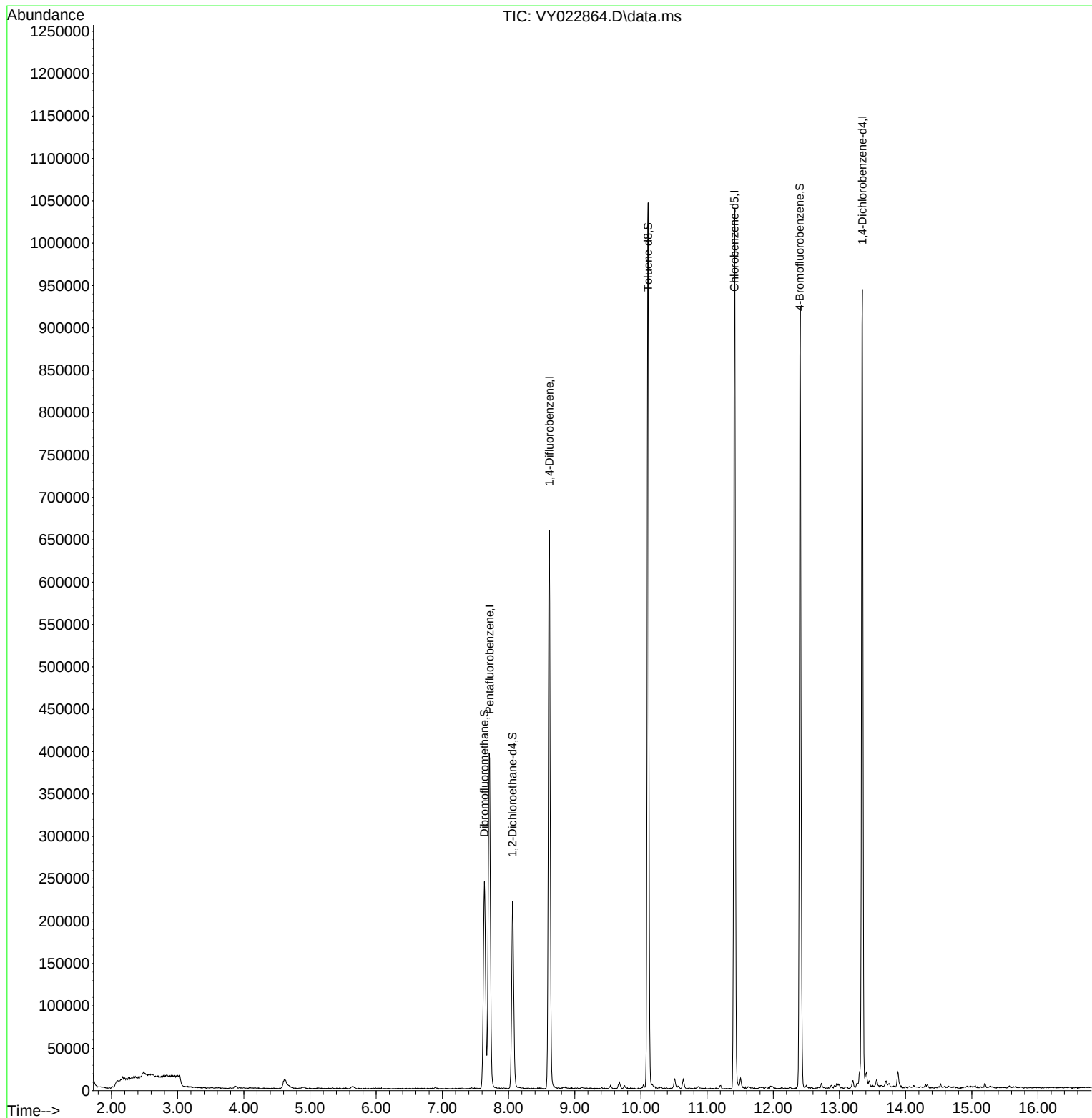
Target Compounds	Qvalue

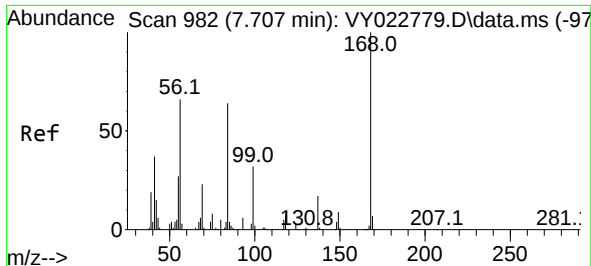
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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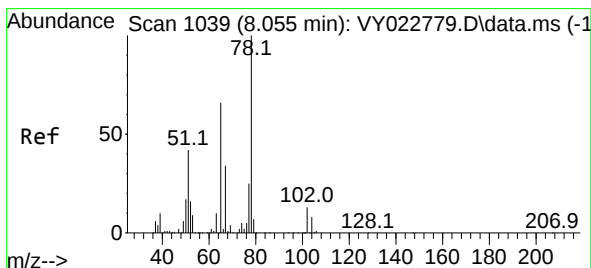
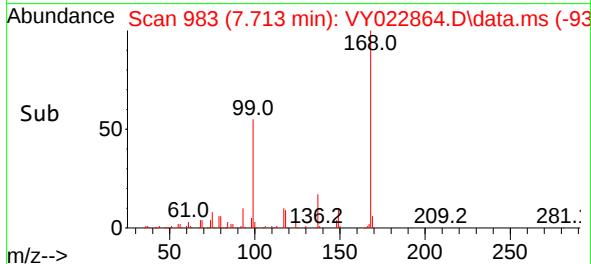
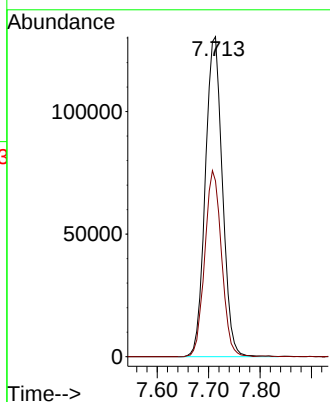
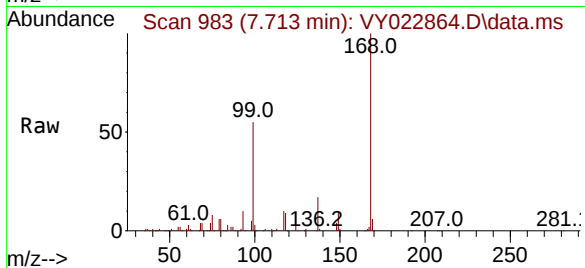




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022864.D
Acq: 27 Jun 2025 16:06

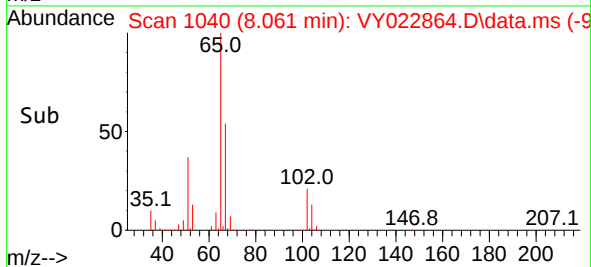
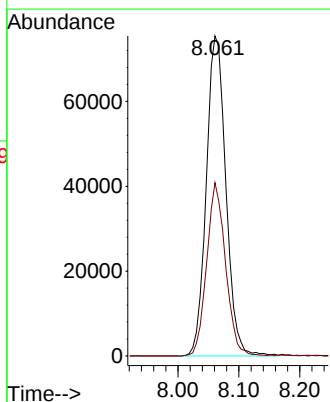
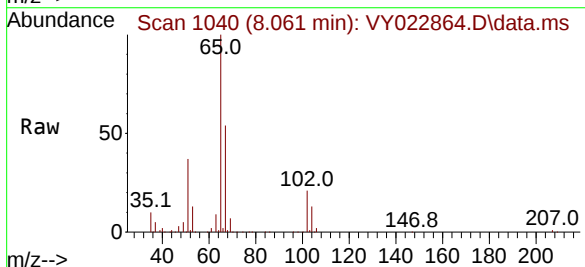
Instrument :
MSVOA_Y
ClientSampleId :
TP-99

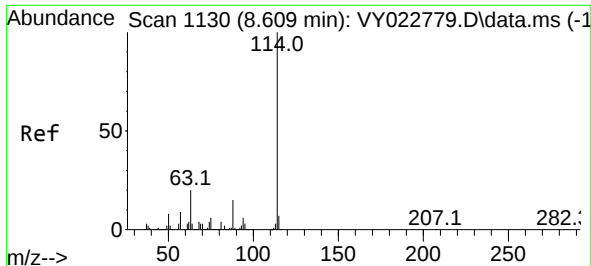
Tgt Ion:168 Resp: 301121
Ion Ratio Lower Upper
168 100
99 55.0 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 50.211 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022864.D
Acq: 27 Jun 2025 16:06

Tgt Ion: 65 Resp: 168750
Ion Ratio Lower Upper
65 100
67 52.1 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: VY022864.D

Acq: 27 Jun 2025 16:06

Instrument :

MSVOA_Y

ClientSampleId :

TP-99

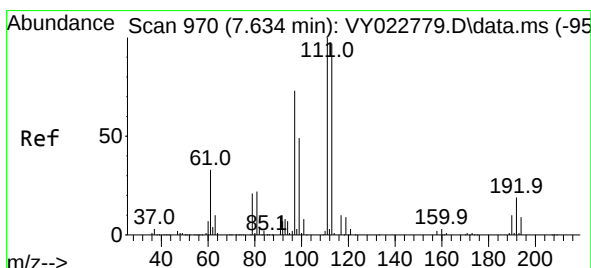
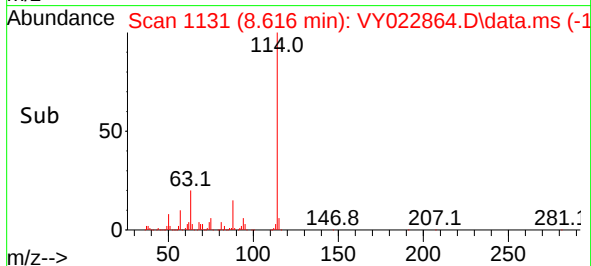
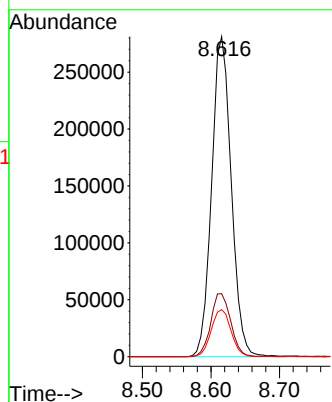
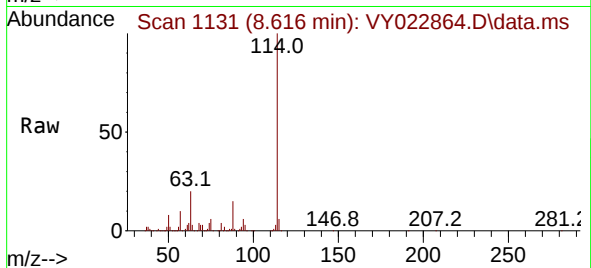
Tgt Ion:114 Resp: 558142

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

88 14.7 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.683 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022864.D

Acq: 27 Jun 2025 16:06

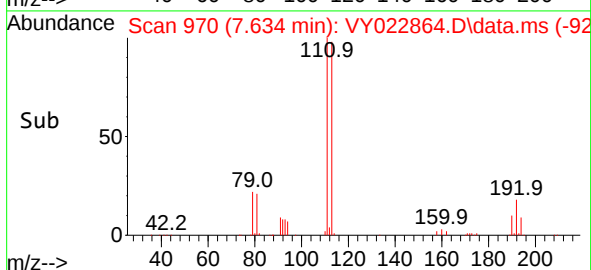
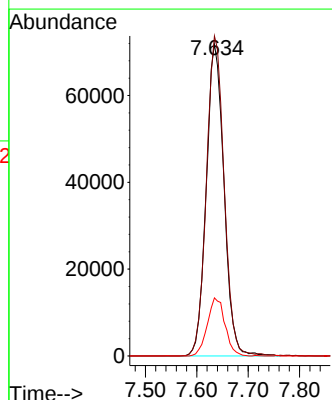
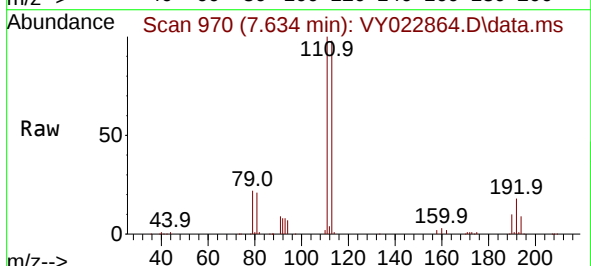
Tgt Ion:113 Resp: 172035

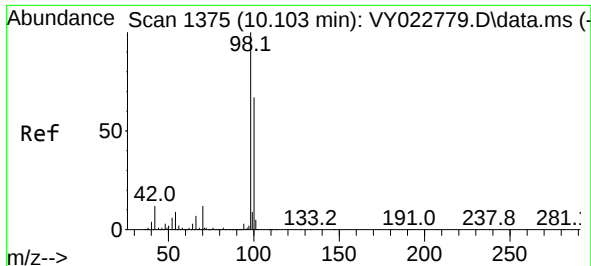
Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

192 18.6 14.2 21.2

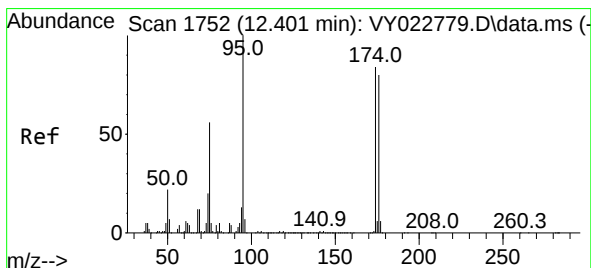
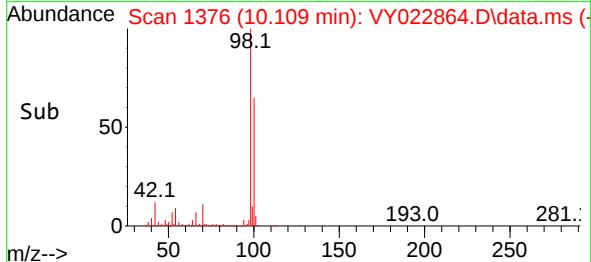
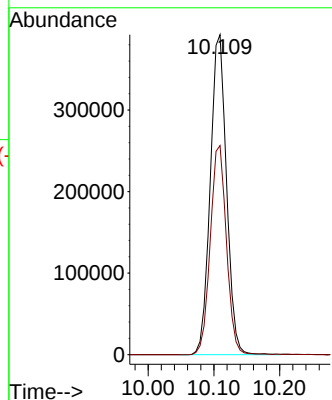
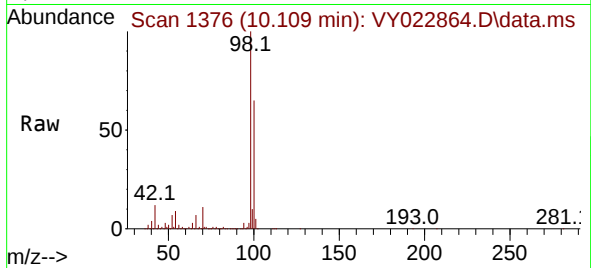




#50
Toluene-d8
Concen: 50.034 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022864.D
Acq: 27 Jun 2025 16:06

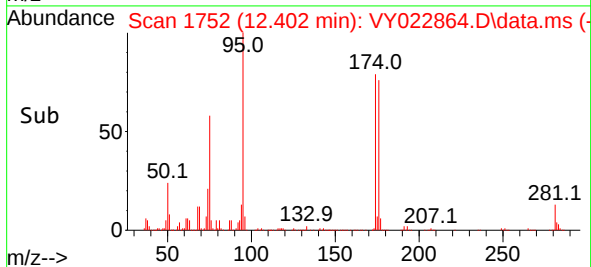
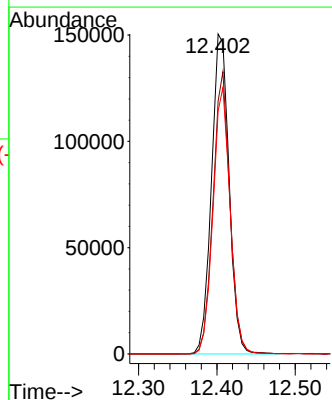
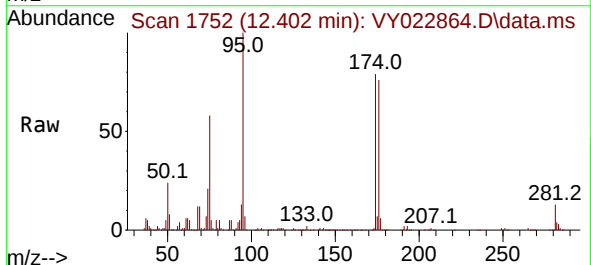
Instrument :
MSVOA_Y
ClientSampleId :
TP-99

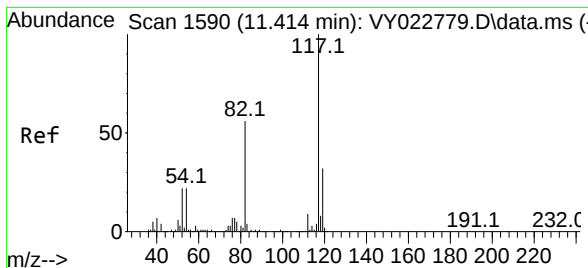
Tgt Ion: 98 Resp: 673924
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 54.265 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022864.D
Acq: 27 Jun 2025 16:06

Tgt Ion: 95 Resp: 234963
Ion Ratio Lower Upper
95 100
174 84.5 0.0 170.0
176 81.3 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: VY022864.D

Acq: 27 Jun 2025 16:06

Instrument :

MSVOA_Y

ClientSampleId :

TP-99

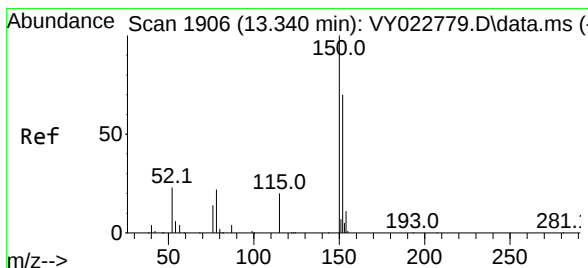
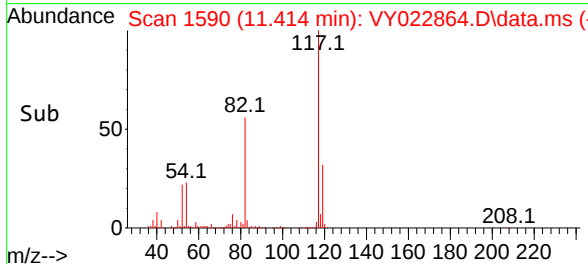
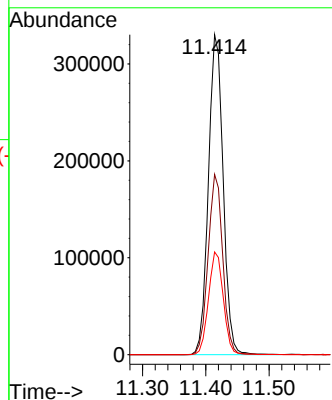
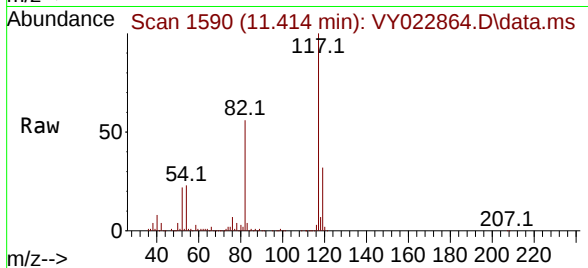
Tgt Ion:117 Resp: 536522

Ion Ratio Lower Upper

117 100

82 56.3 44.6 66.8

119 32.1 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: VY022864.D

Acq: 27 Jun 2025 16:06

Tgt Ion:152 Resp: 230605

Ion Ratio Lower Upper

152 100

115 57.7 28.9 86.7

150 156.5 0.0 349.6

