

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
 Data File : VY022863.D
 Acq On : 27 Jun 2025 15:43
 Operator : SY/MD
 Sample : Q2436-08
 Misc : 7.14g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-100

Quant Time: Jun 27 23:19:35 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)

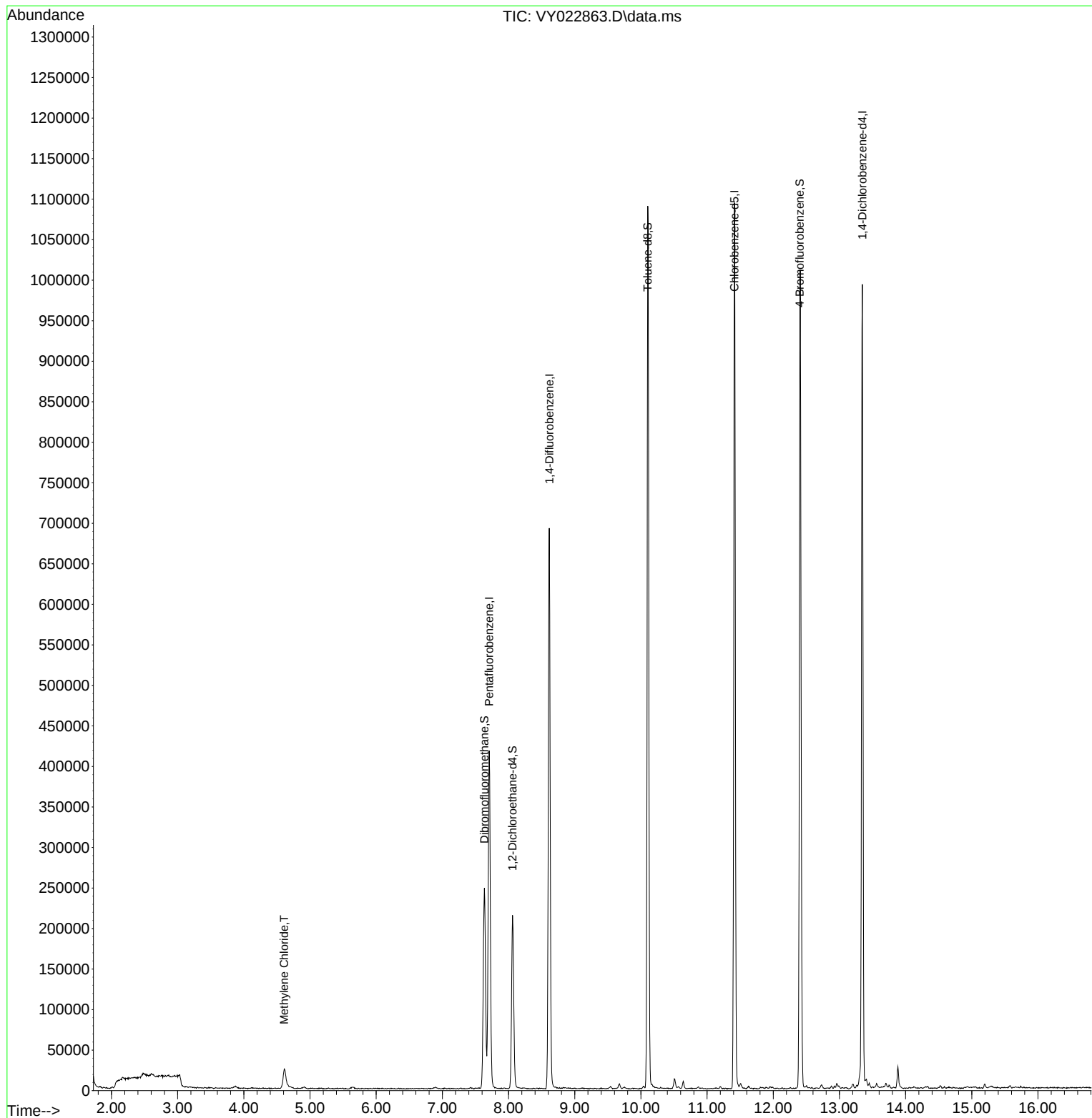
Internal Standards						
1) Pentafluorobenzene	7.707	168	312427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	578070	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	554007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	240211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	167771	48.113	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.220%
35) Dibromofluoromethane	7.634	113	175524	49.928	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.860%
50) Toluene-d8	10.103	98	703129	50.403	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.800%
62) 4-Bromofluorobenzene	12.401	95	246795	55.032	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	110.060%
Target Compounds						
20) Methylene Chloride	4.610	84	17321	4.162	ug/l	95

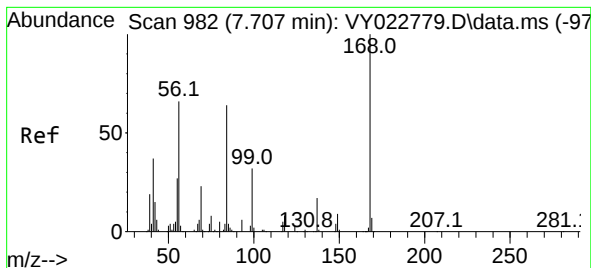
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.006 min

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Instrument :

MSVOA_Y

ClientSampleId :

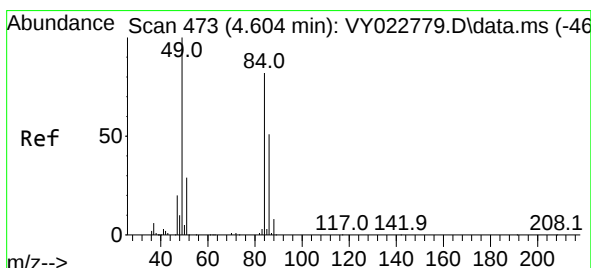
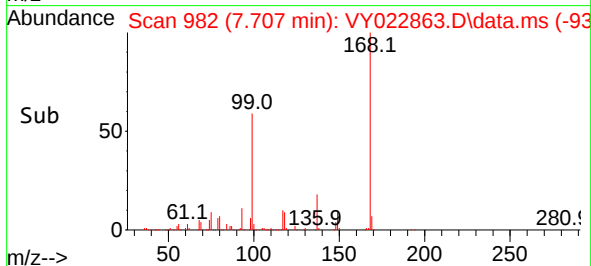
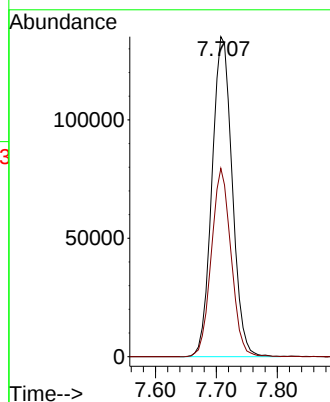
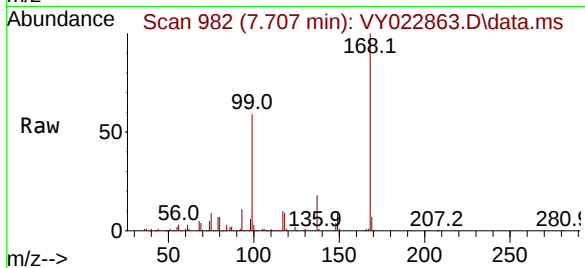
TP-100

Tgt Ion:168 Resp: 312427

Ion Ratio Lower Upper

168 100

99 58.9 44.3 66.5



#20

Methylene Chloride

Concen: 4.162 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.012 min

Lab File: VY022863.D

Acq: 27 Jun 2025 15:43

Tgt Ion: 84 Resp: 17321

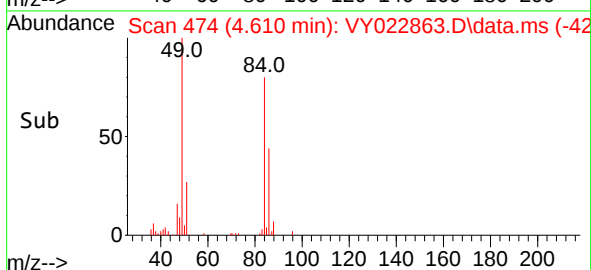
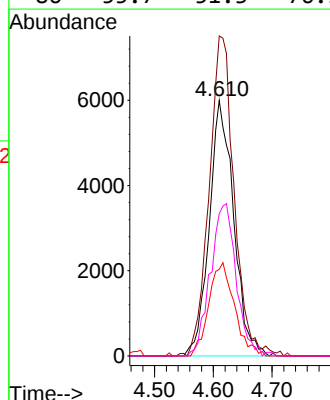
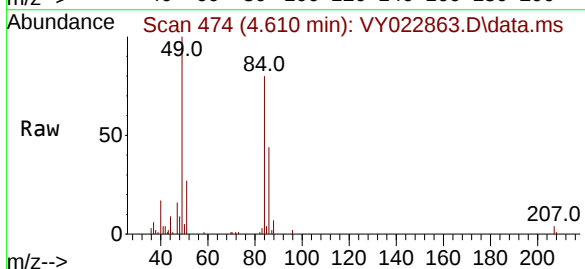
Ion Ratio Lower Upper

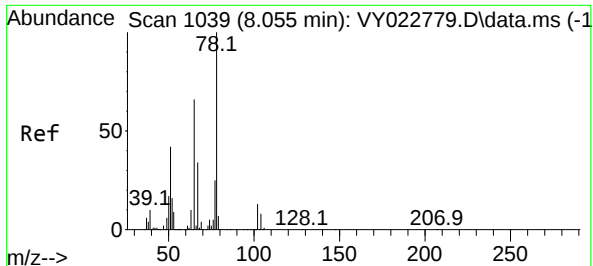
84 100

49 124.3 101.9 152.9

51 33.9 29.8 44.8

86 55.7 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 48.113 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022863.D

Acq: 27 Jun 2025 15:43

Instrument :

MSVOA_Y

ClientSampleId :

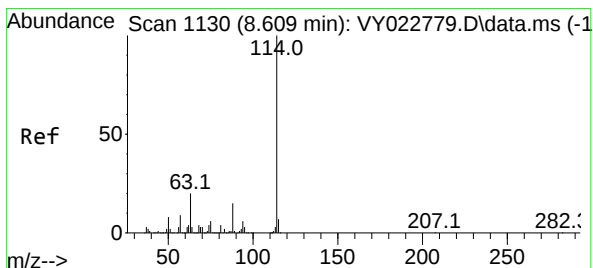
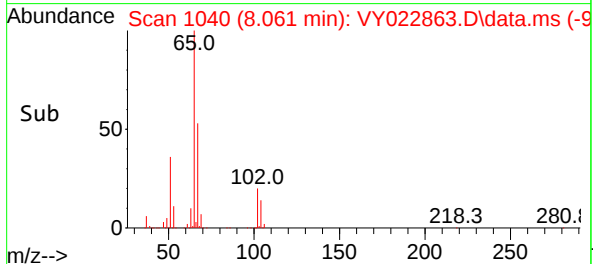
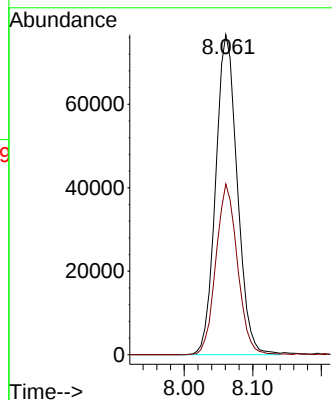
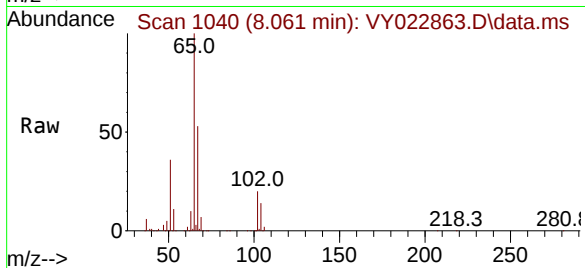
TP-100

Tgt Ion: 65 Resp: 167771

Ion Ratio Lower Upper

65 100

67 53.2 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: VY022863.D

Acq: 27 Jun 2025 15:43

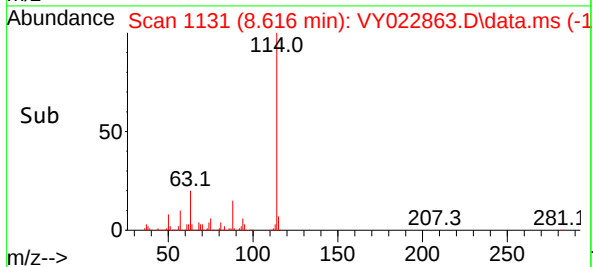
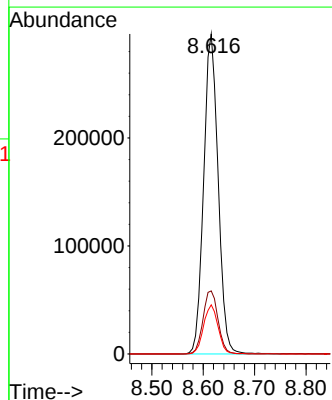
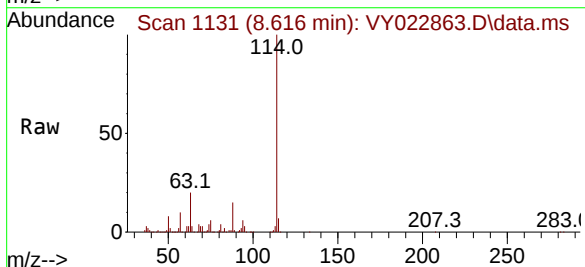
Tgt Ion:114 Resp: 578070

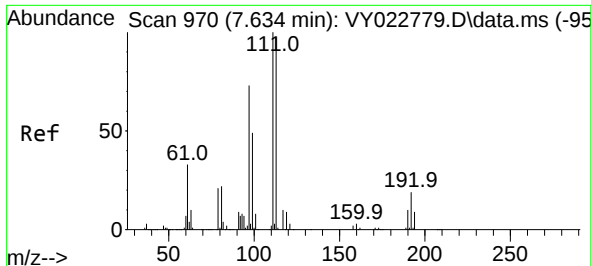
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

88 15.4 0.0 27.8

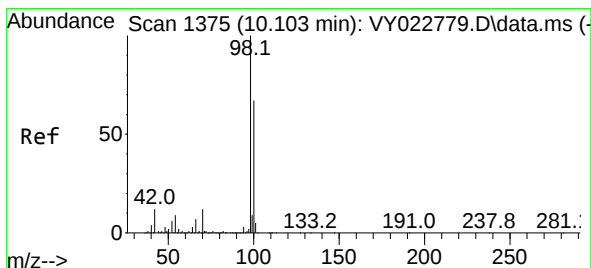
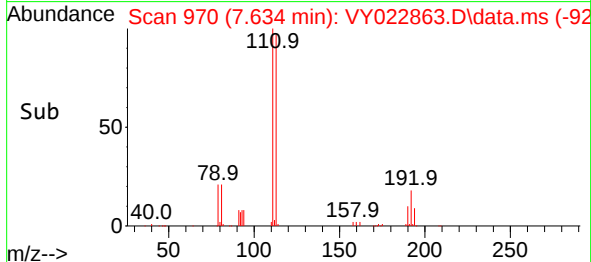
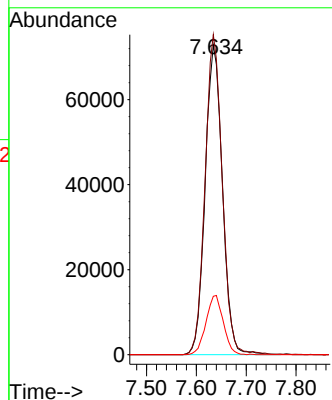
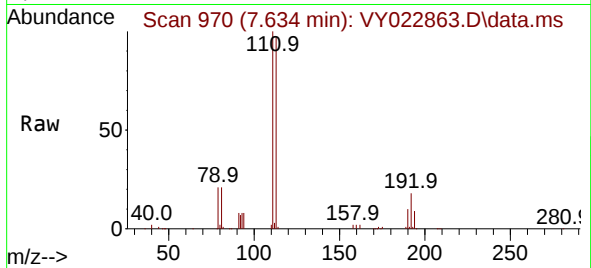




#35
Dibromofluoromethane
Concen: 49.928 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022863.D
Acq: 27 Jun 2025 15:43

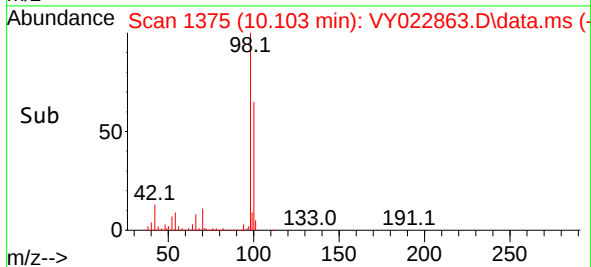
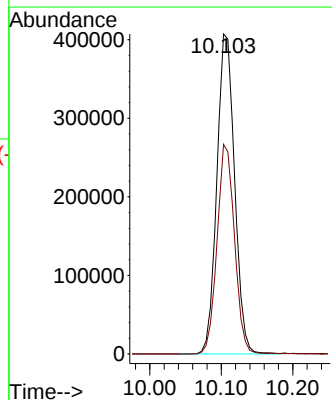
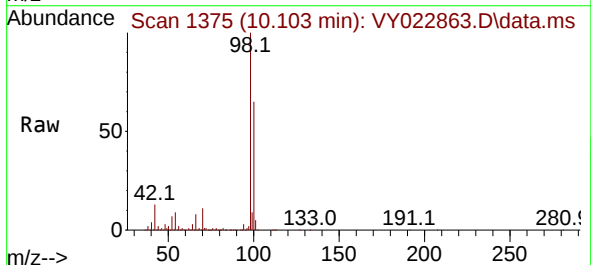
Instrument :
MSVOA_Y
ClientSampleId :
TP-100

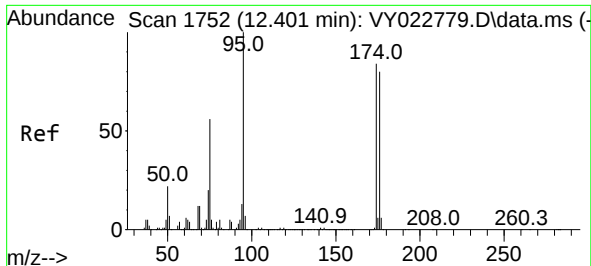
Tgt Ion:113 Resp: 175524
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 19.1 14.2 21.2



#50
Toluene-d8
Concen: 50.403 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022863.D
Acq: 27 Jun 2025 15:43

Tgt Ion: 98 Resp: 703129
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0

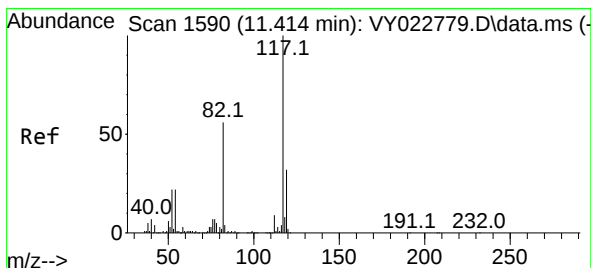
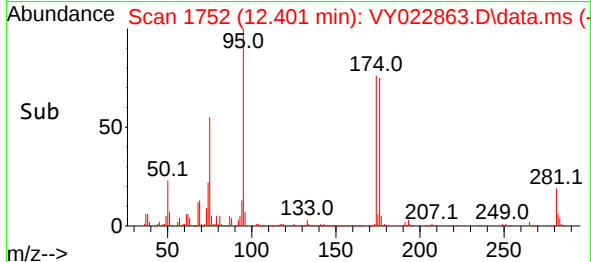
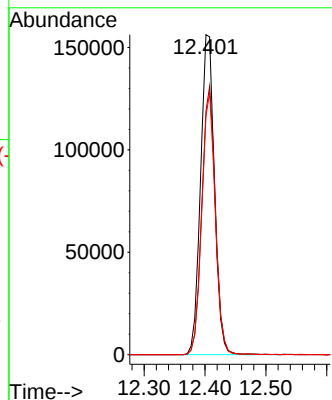
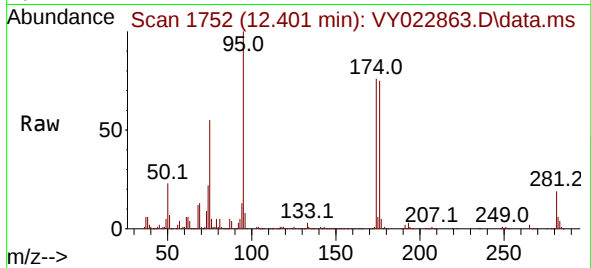




#62
4-Bromofluorobenzene
Concen: 55.032 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022863.D
Acq: 27 Jun 2025 15:43

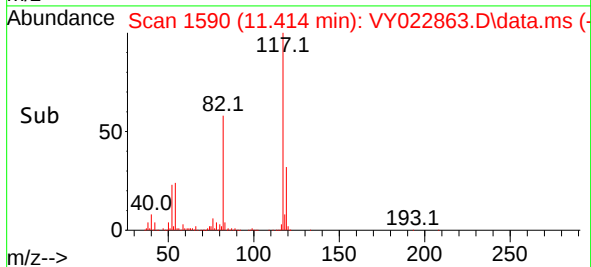
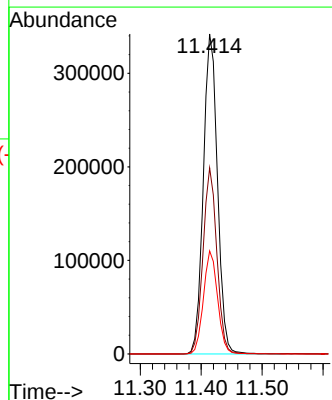
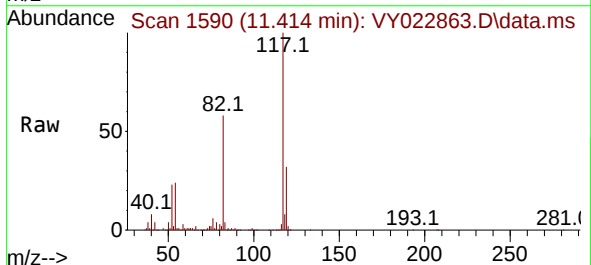
Instrument :
MSVOA_Y
ClientSampleId :
TP-100

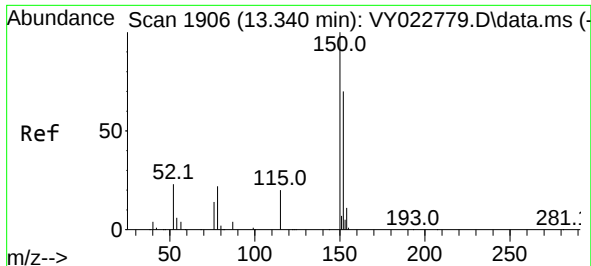
Tgt Ion: 95 Resp: 246795
Ion Ratio Lower Upper
95 100
174 82.5 0.0 170.0
176 79.7 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022863.D
Acq: 27 Jun 2025 15:43

Tgt Ion: 117 Resp: 554007
Ion Ratio Lower Upper
117 100
82 58.1 44.6 66.8
119 32.2 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: VY022863.D

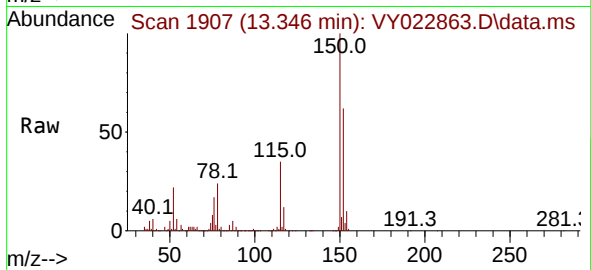
Acq: 27 Jun 2025 15:43

Instrument :

MSVOA_Y

ClientSampleId :

TP-100



Tgt Ion:152 Resp: 240211

Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.7

150 156.9 0.0 349.6

