

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
 Data File : VY022887.D
 Acq On : 30 Jun 2025 17:59
 Operator : SY/MD
 Sample : Q2458-01
 Misc : 4.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-76

Quant Time: Jul 01 03:42:01 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)

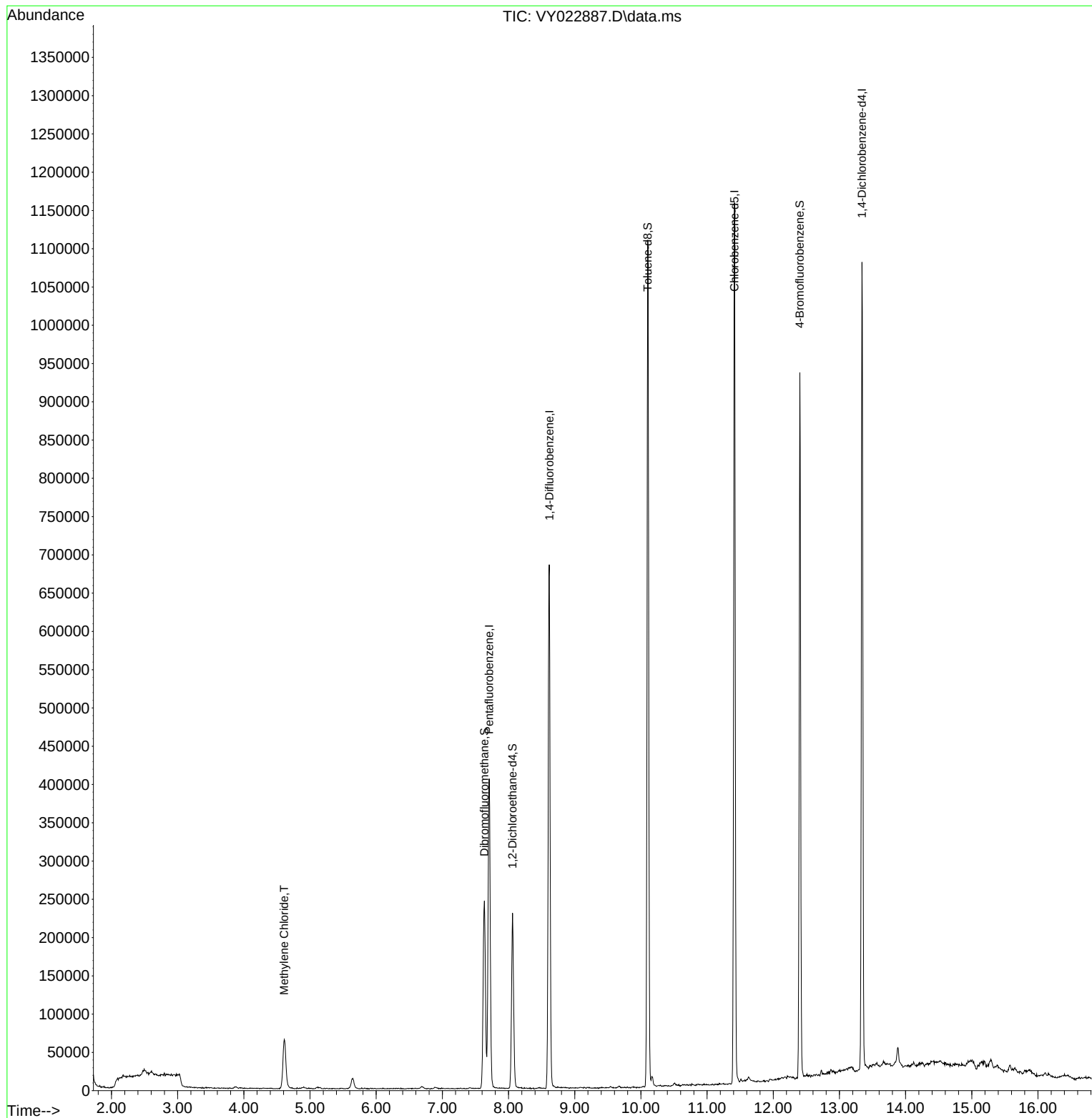
Internal Standards						
1) Pentafluorobenzene	7.707	168	303882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	573423	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	579838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	256613	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	174178	51.355	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.720%	
35) Dibromofluoromethane	7.634	113	176566	50.631	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.260%	
50) Toluene-d8	10.103	98	711217	51.396	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.800%	
62) 4-Bromofluorobenzene	12.401	95	263188	59.164	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 118.320%	
Target Compounds						
20) Methylene Chloride	4.610	84	47491	11.731	ug/l	Qvalue 97

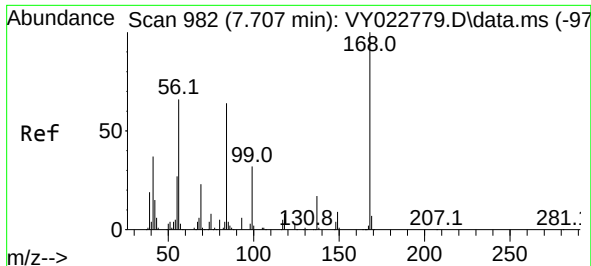
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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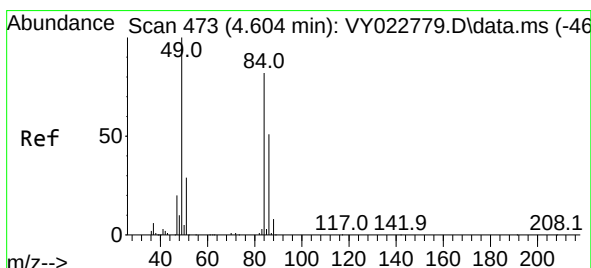
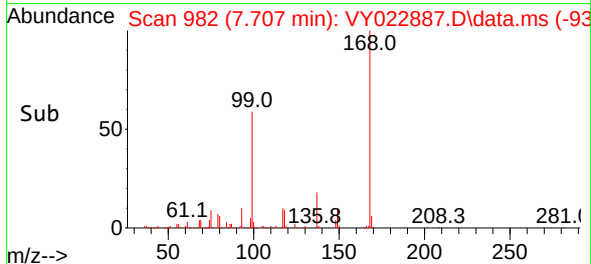
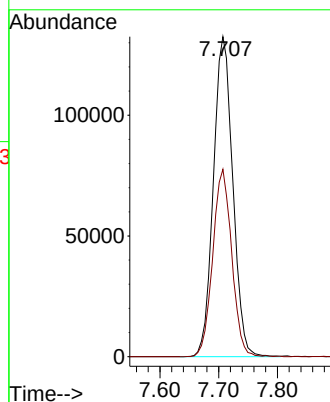
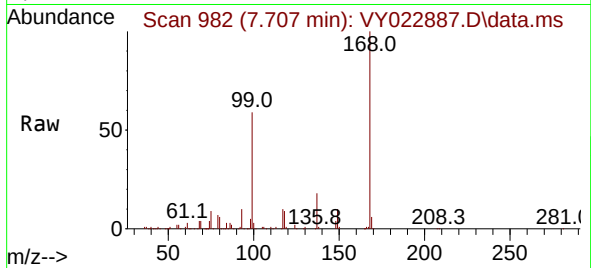




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022887.D
Acq: 30 Jun 2025 17:59

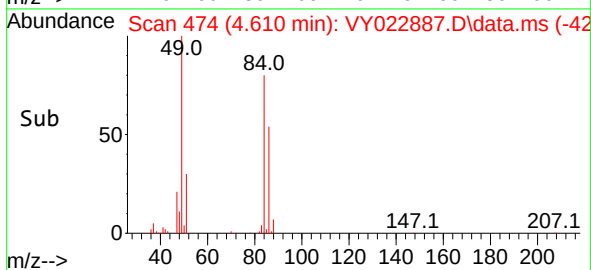
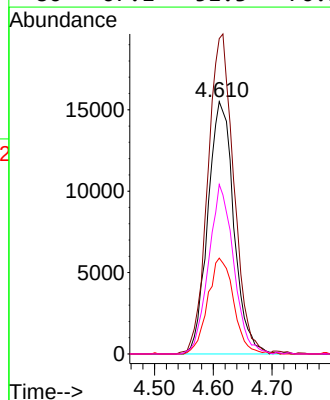
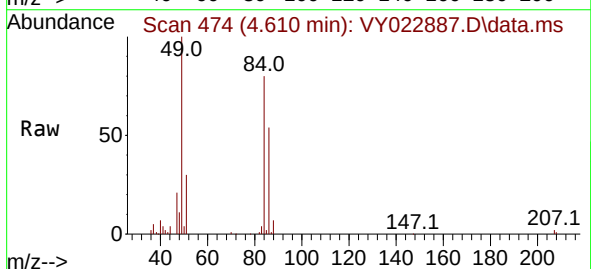
Instrument :
MSVOA_Y
ClientSampleId :
TP-76

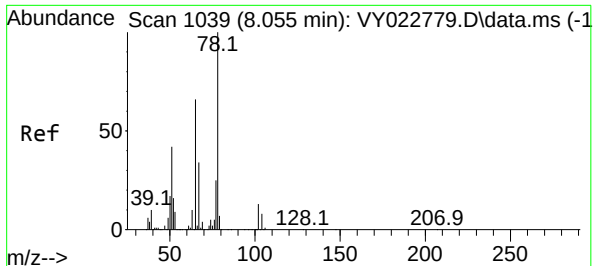
Tgt Ion:168 Resp: 303882
Ion Ratio Lower Upper
168 100
99 58.6 44.3 66.5



#20
Methylene Chloride
Concen: 11.731 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022887.D
Acq: 30 Jun 2025 17:59

Tgt Ion: 84 Resp: 47491
Ion Ratio Lower Upper
84 100
49 124.3 101.9 152.9
51 38.0 29.8 44.8
86 67.1 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 51.355 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022887.D

Acq: 30 Jun 2025 17:59

Instrument :

MSVOA_Y

ClientSampleId :

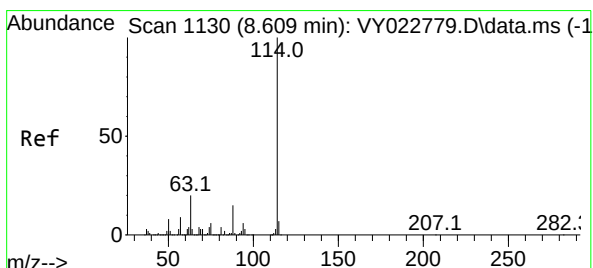
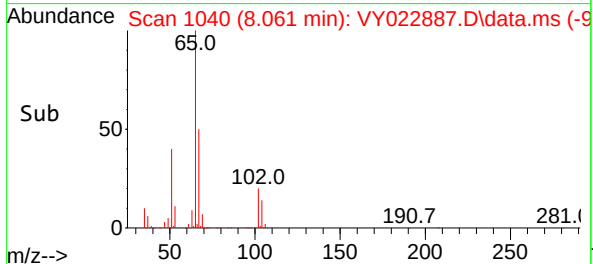
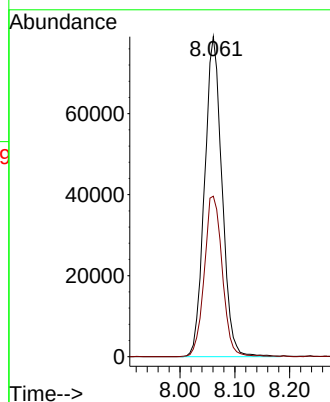
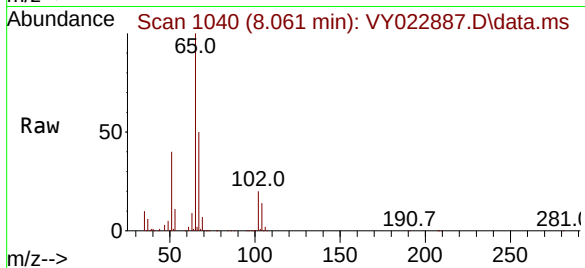
TP-76

Tgt Ion: 65 Resp: 174178

Ion Ratio Lower Upper

65 100

67 51.8 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: VY022887.D

Acq: 30 Jun 2025 17:59

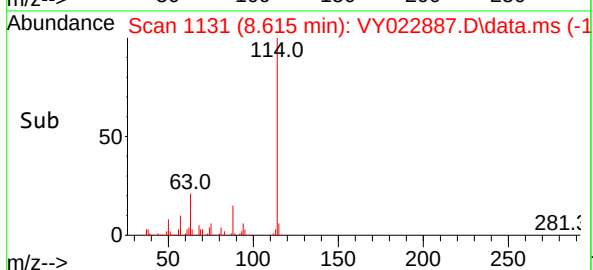
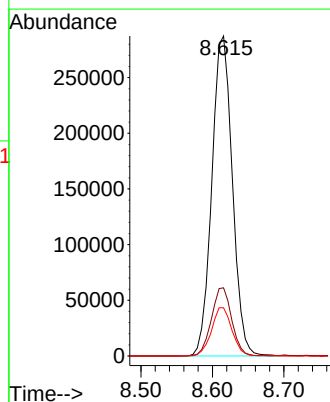
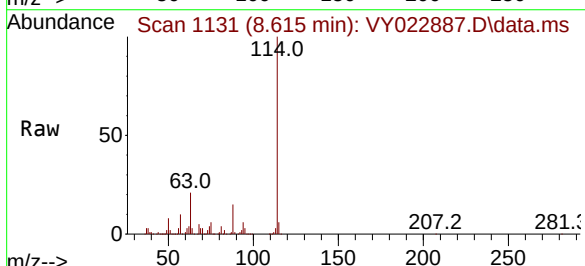
Tgt Ion: 114 Resp: 573423

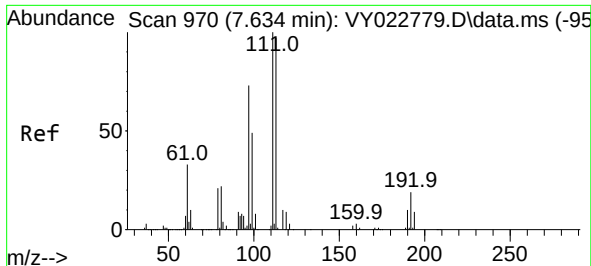
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

88 15.1 0.0 27.8

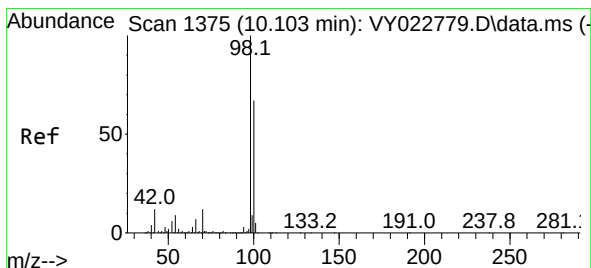
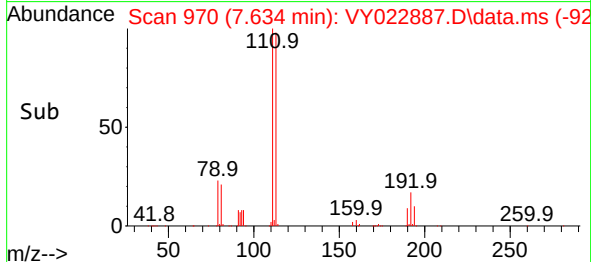
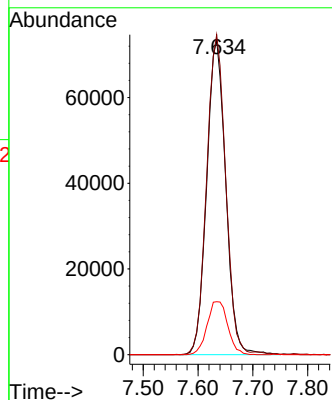
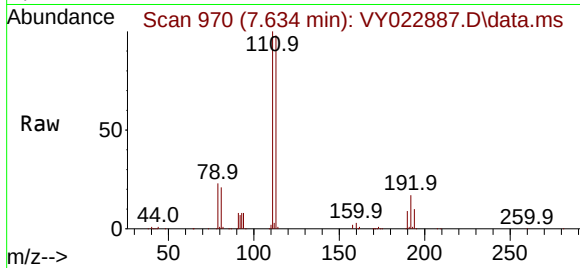




#35
Dibromofluoromethane
Concen: 50.631 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022887.D
Acq: 30 Jun 2025 17:59

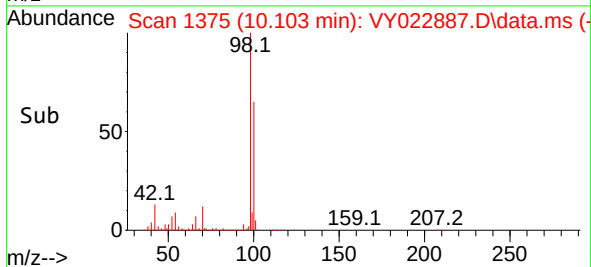
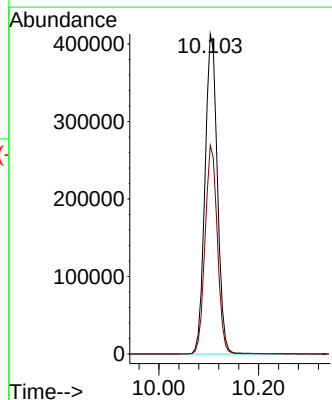
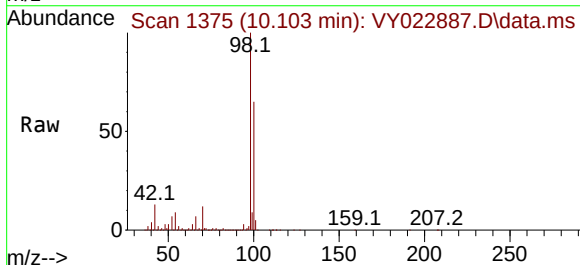
Instrument :
MSVOA_Y
ClientSampleId :
TP-76

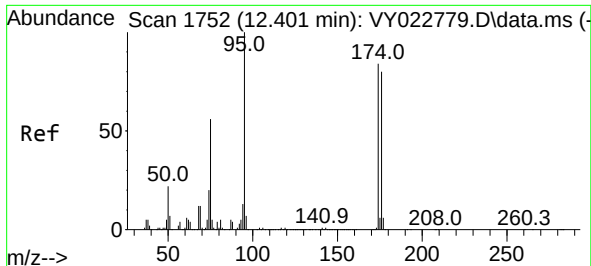
Tgt Ion:113 Resp: 176566
Ion Ratio Lower Upper
113 100
111 102.2 81.1 121.7
192 18.3 14.2 21.2



#50
Toluene-d8
Concen: 51.396 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022887.D
Acq: 30 Jun 2025 17:59

Tgt Ion: 98 Resp: 711217
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0

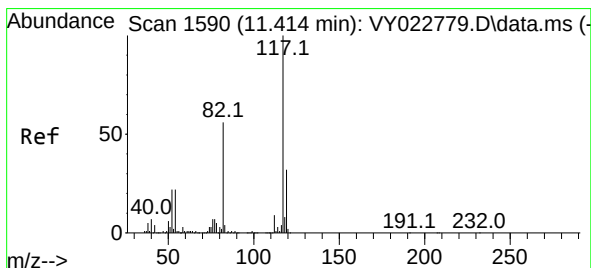
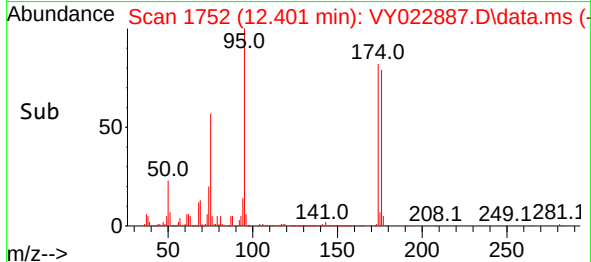
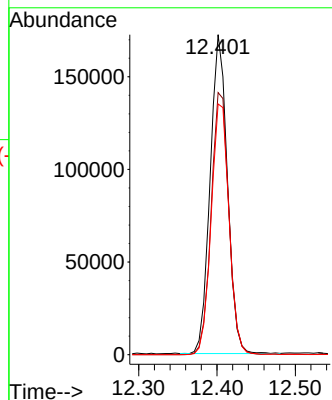
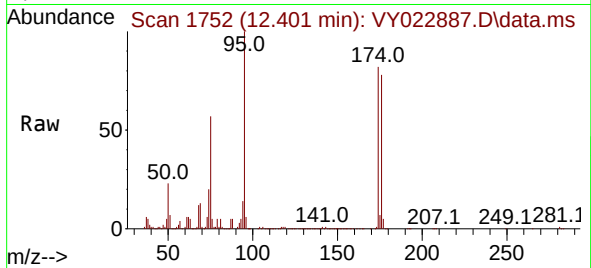




#62
4-Bromofluorobenzene
Concen: 59.164 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022887.D
Acq: 30 Jun 2025 17:59

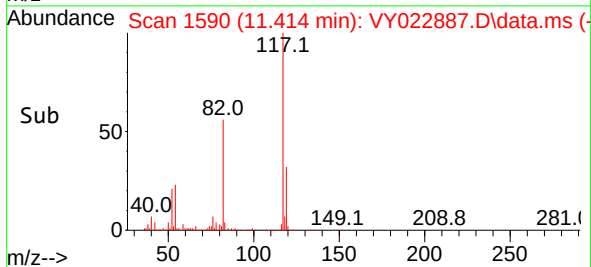
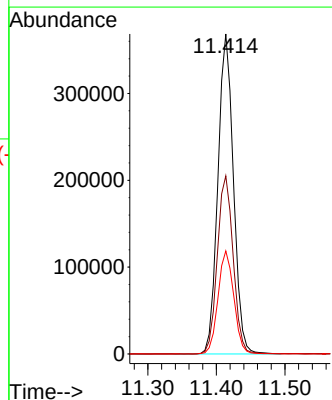
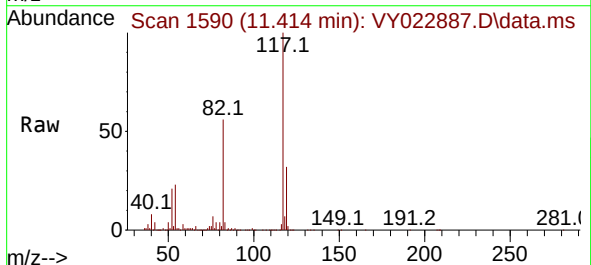
Instrument :
MSVOA_Y
ClientSampleId :
TP-76

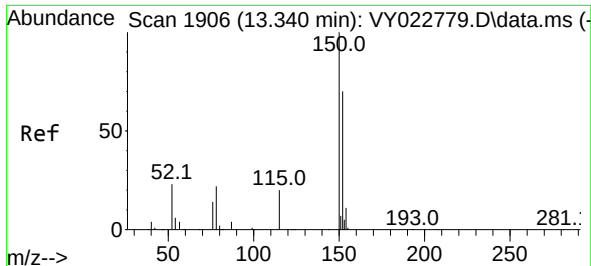
Tgt Ion: 95 Resp: 263188
Ion Ratio Lower Upper
95 100
174 84.4 0.0 170.0
176 81.4 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022887.D
Acq: 30 Jun 2025 17:59

Tgt Ion: 117 Resp: 579838
Ion Ratio Lower Upper
117 100
82 55.6 44.6 66.8
119 32.2 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: VY022887.D

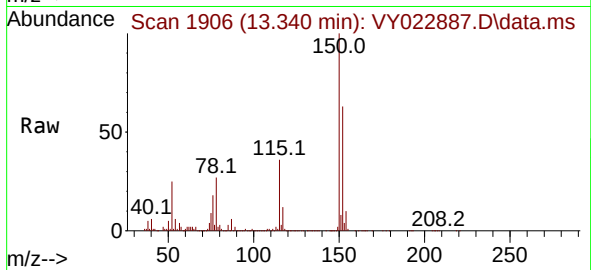
Acq: 30 Jun 2025 17:59

Instrument :

MSVOA_Y

ClientSampleId :

TP-76



Tgt Ion:152 Resp: 256613

Ion Ratio Lower Upper

152 100

115 57.7 28.9 86.7

150 158.2 0.0 349.6

