

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022979.D
 Acq On : 08 Jul 2025 16:37
 Operator : SY/MD
 Sample : Q2514-07
 Misc : 6.55g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-36

Quant Time: Jul 09 02:33:56 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)

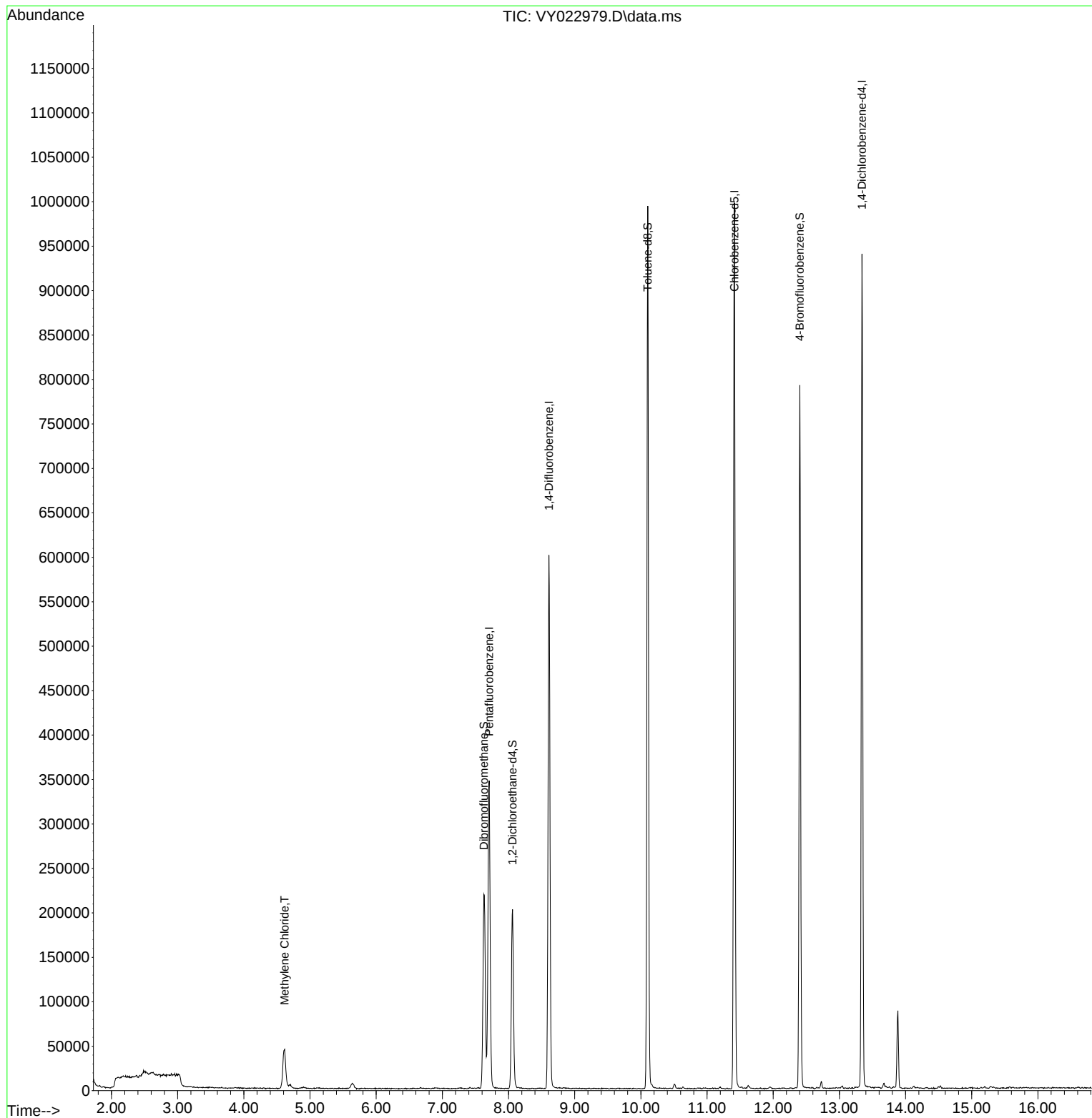
Internal Standards						
1) Pentafluorobenzene	7.707	168	258321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	491752	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	506681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	226768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	158166	54.859	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.720%	
35) Dibromofluoromethane	7.628	113	160004	53.502	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.000%	
50) Toluene-d8	10.103	98	623402	52.532	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.060%	
62) 4-Bromofluorobenzene	12.401	95	216738	56.814	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 113.620%	
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	32393	9.413	ug/l	97

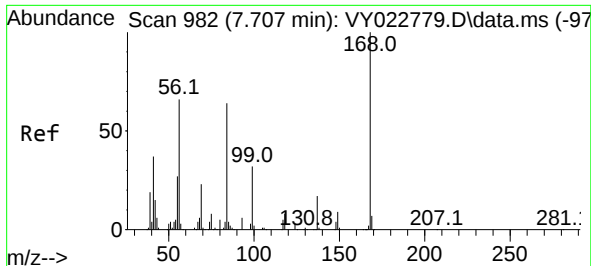
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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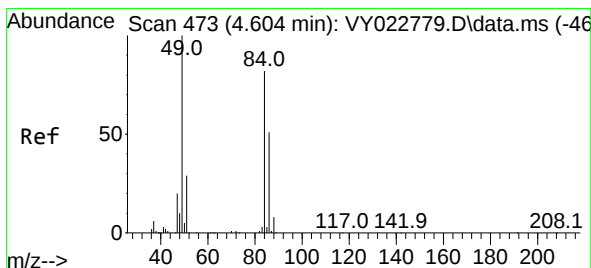
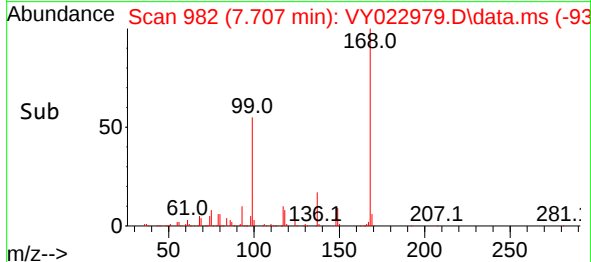
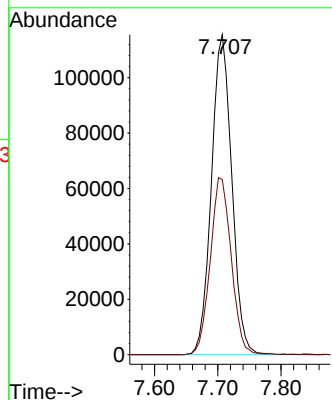
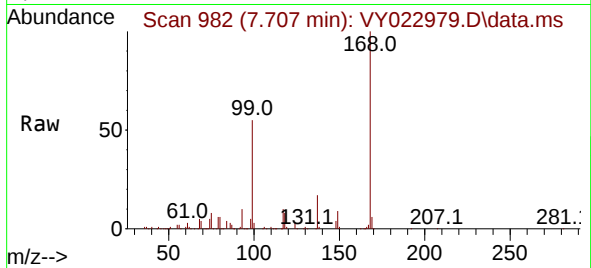




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022979.D
Acq: 08 Jul 2025 16:37

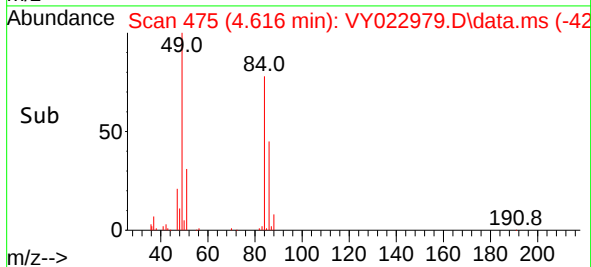
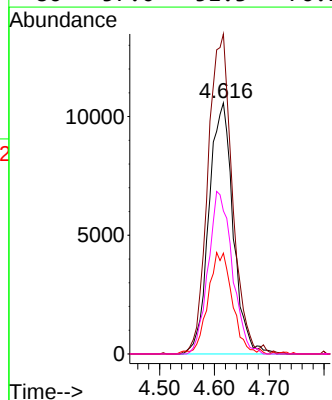
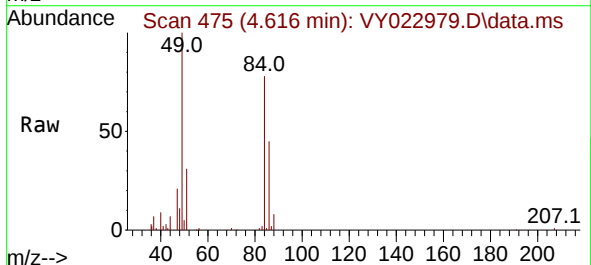
Instrument :
MSVOA_Y
ClientSampleId :
TP-36

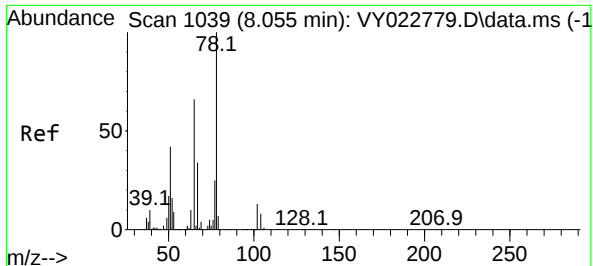
Tgt Ion:168 Resp: 258321
Ion Ratio Lower Upper
168 100
99 54.8 44.3 66.5



#20
Methylene Chloride
Concen: 9.413 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022979.D
Acq: 08 Jul 2025 16:37

Tgt Ion: 84 Resp: 32393
Ion Ratio Lower Upper
84 100
49 127.4 101.9 152.9
51 39.6 29.8 44.8
86 57.0 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 54.859 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022979.D

Acq: 08 Jul 2025 16:37

Instrument :

MSVOA_Y

ClientSampleId :

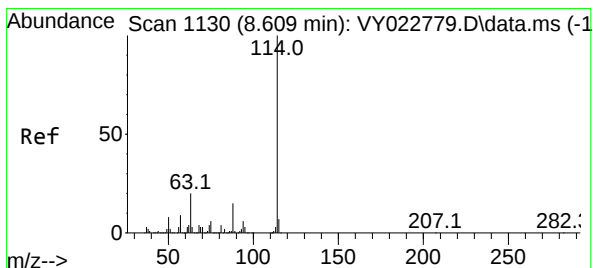
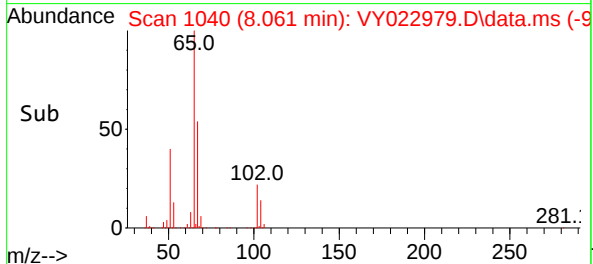
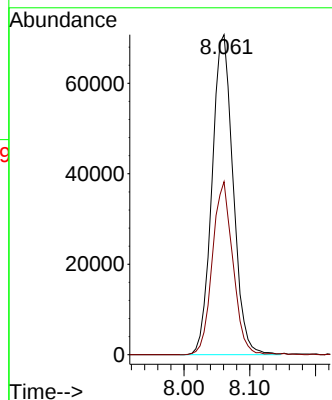
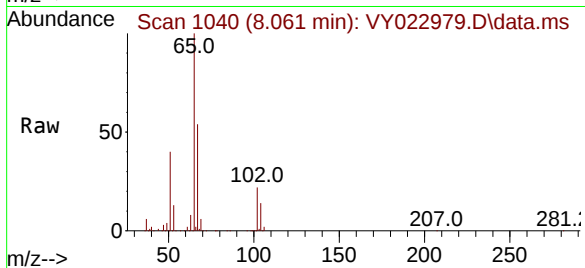
TP-36

Tgt Ion: 65 Resp: 158166

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022979.D

Acq: 08 Jul 2025 16:37

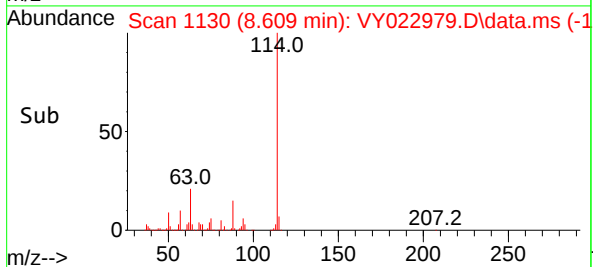
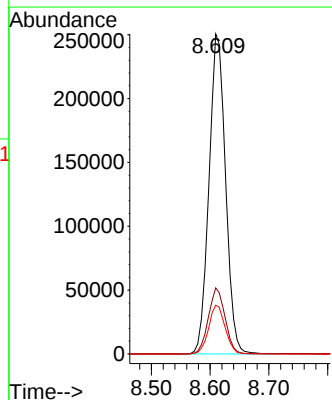
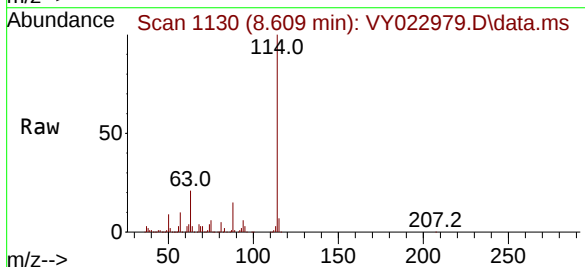
Tgt Ion: 114 Resp: 491752

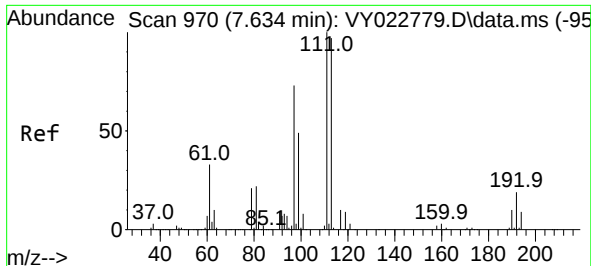
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 15.2 0.0 27.8

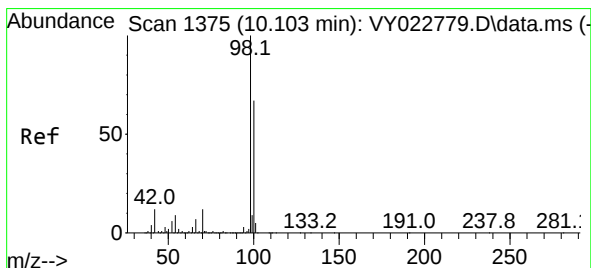
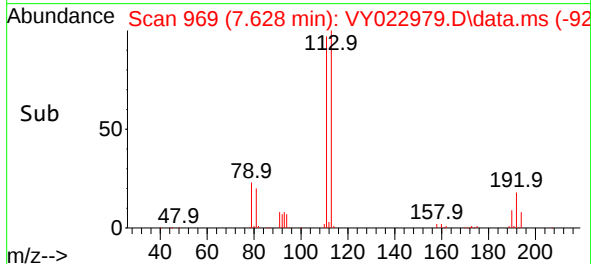
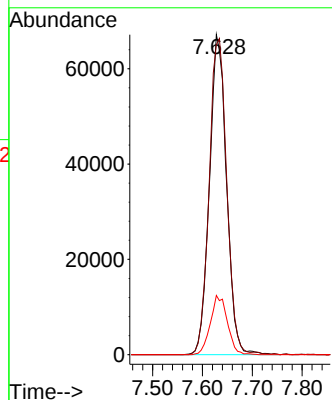
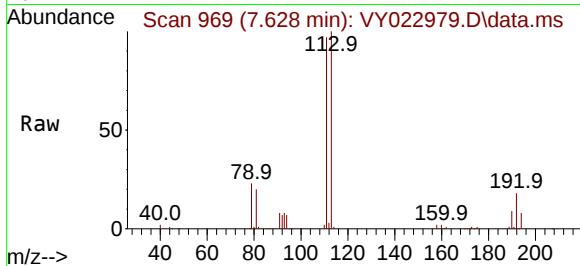




#35
Dibromofluoromethane
Concen: 53.502 ug/l
RT: 7.628 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022979.D
Acq: 08 Jul 2025 16:37

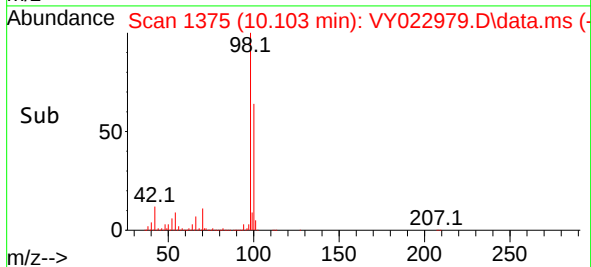
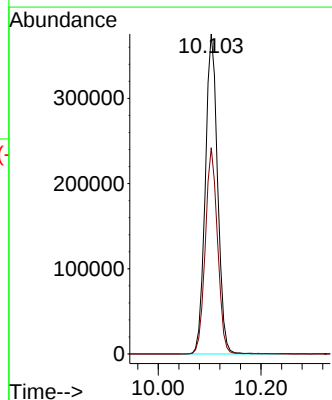
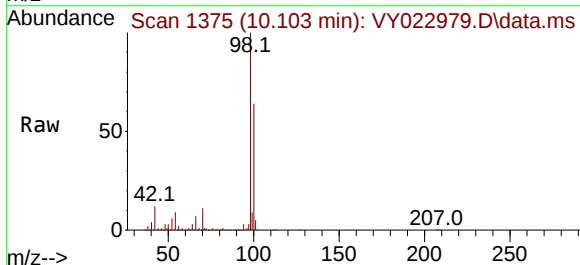
Instrument :
MSVOA_Y
ClientSampleId :
TP-36

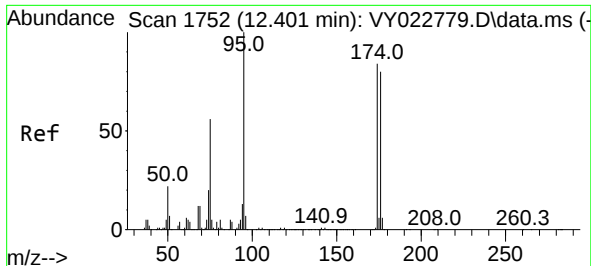
Tgt Ion:113 Resp: 160004
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 18.4 14.2 21.2



#50
Toluene-d8
Concen: 52.532 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022979.D
Acq: 08 Jul 2025 16:37

Tgt Ion: 98 Resp: 623402
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 56.814 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022979.D

Acq: 08 Jul 2025 16:37

Instrument :

MSVOA_Y

ClientSampleId :

TP-36

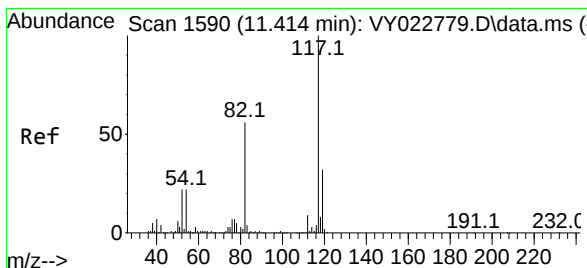
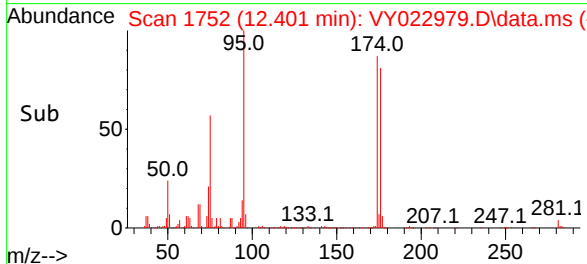
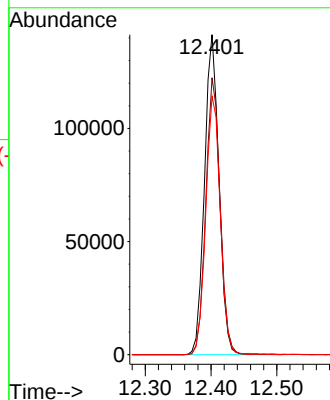
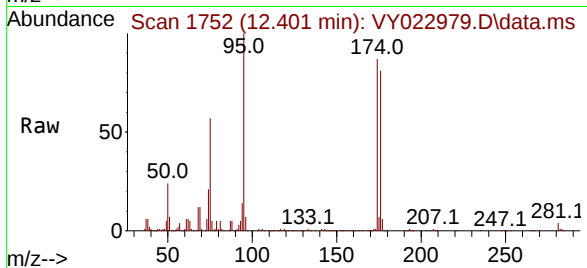
Tgt Ion: 95 Resp: 216738

Ion Ratio Lower Upper

95 100

174 86.0 0.0 170.0

176 81.3 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: VY022979.D

Acq: 08 Jul 2025 16:37

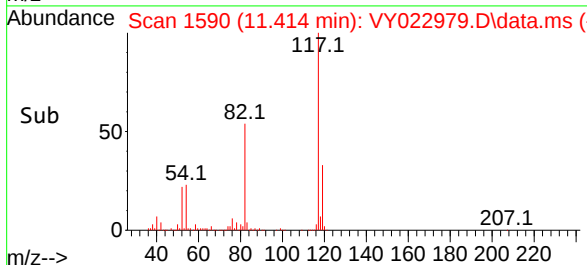
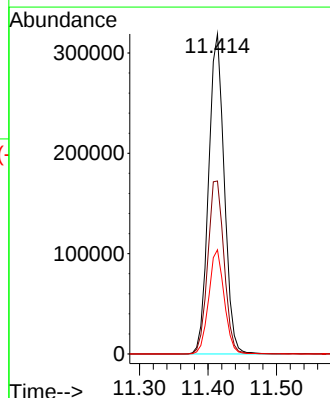
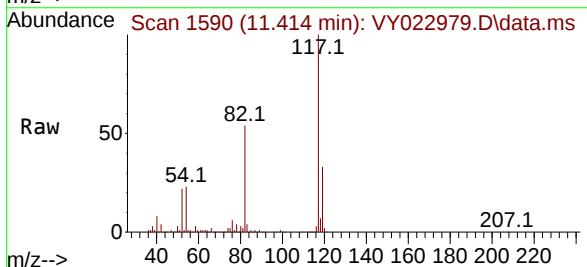
Tgt Ion: 117 Resp: 506681

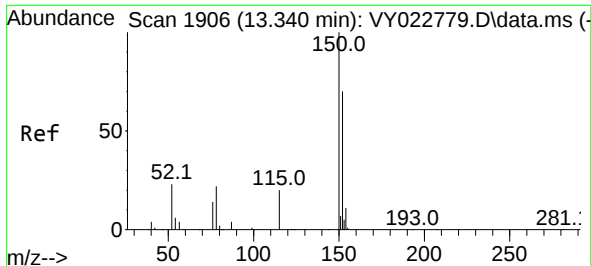
Ion Ratio Lower Upper

117 100

82 54.1 44.6 66.8

119 32.6 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: VY022979.D

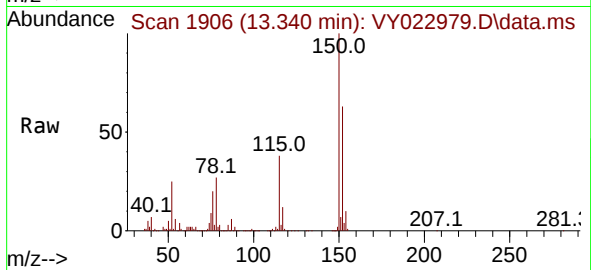
Acq: 08 Jul 2025 16:37

Instrument :

MSVOA_Y

ClientSampleId :

TP-36



Tgt Ion:152 Resp: 226768

Ion Ratio Lower Upper

152 100

115 57.4 28.9 86.7

150 155.4 0.0 349.6

