

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022982.D
 Acq On : 08 Jul 2025 17:47
 Operator : SY/MD
 Sample : Q2514-10
 Misc : 2.69g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-90

Quant Time: Jul 09 02:34:57 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)

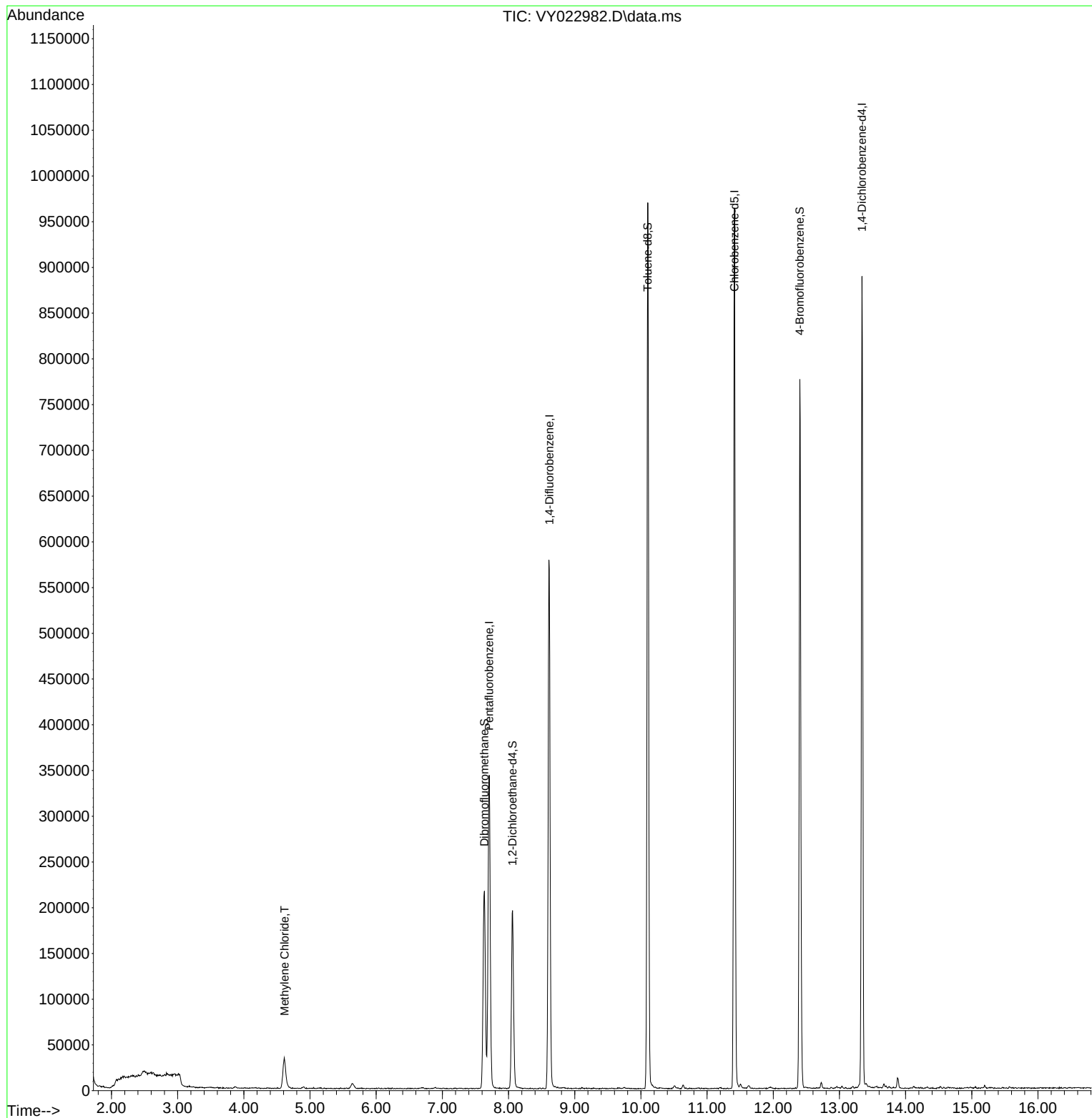
Internal Standards						
1) Pentafluorobenzene	7.707	168	256463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	488482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	488896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	212620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151389	52.889	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.780%	
35) Dibromofluoromethane	7.634	113	153399	51.637	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.280%	
50) Toluene-d8	10.103	98	614582	52.135	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.280%	
62) 4-Bromofluorobenzene	12.402	95	210203	55.469	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.940%	
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	23064	6.750	ug/l	95

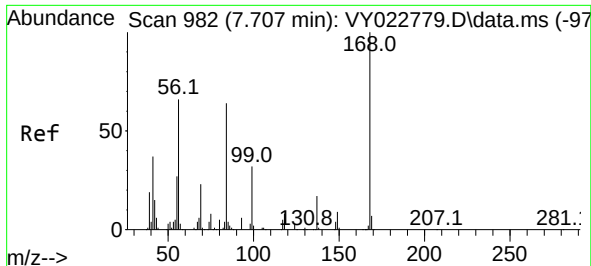
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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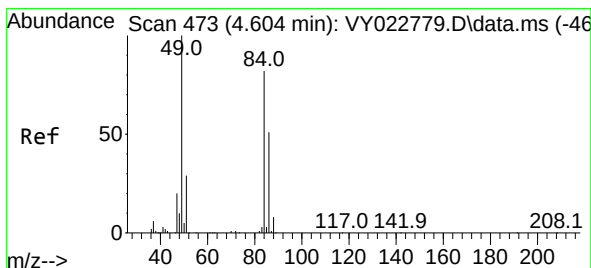
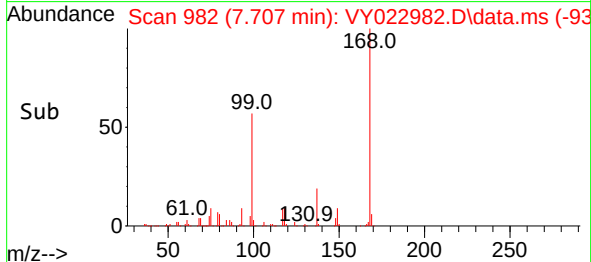
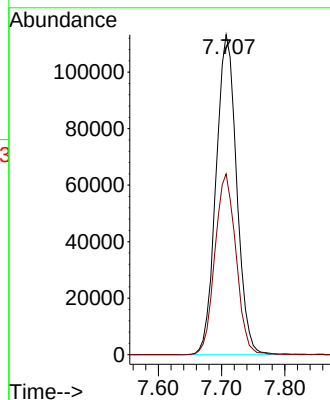
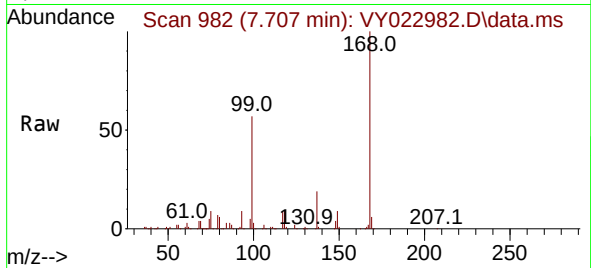




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022982.D
Acq: 08 Jul 2025 17:47

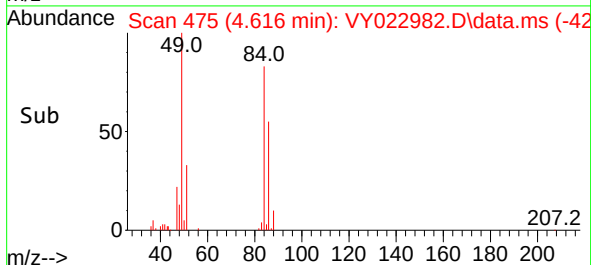
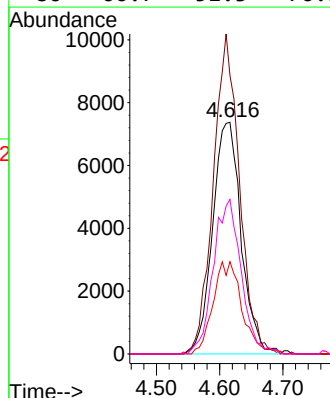
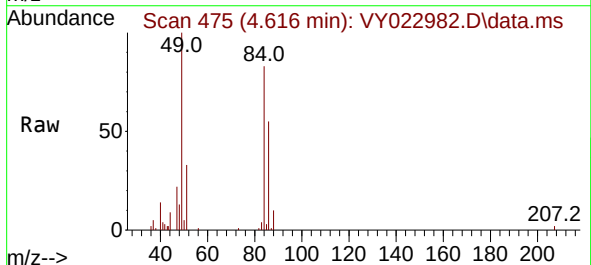
Instrument :
MSVOA_Y
ClientSampleId :
TP-90

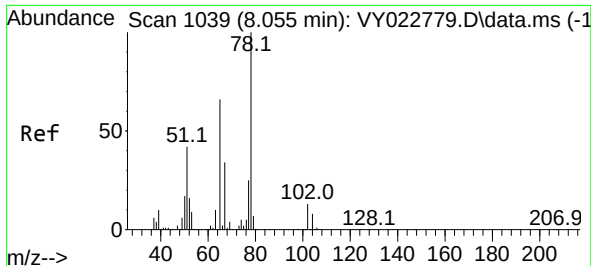
Tgt Ion:168 Resp: 256463
Ion Ratio Lower Upper
168 100
99 56.5 44.3 66.5



#20
Methylene Chloride
Concen: 6.750 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022982.D
Acq: 08 Jul 2025 17:47

Tgt Ion: 84 Resp: 23064
Ion Ratio Lower Upper
84 100
49 120.2 101.9 152.9
51 39.8 29.8 44.8
86 66.7 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 52.889 ug/l

RT: 8.061 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY022982.D

Acq: 08 Jul 2025 17:47

Instrument :

MSVOA_Y

ClientSampleId :

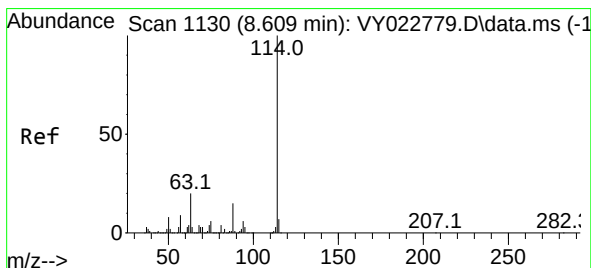
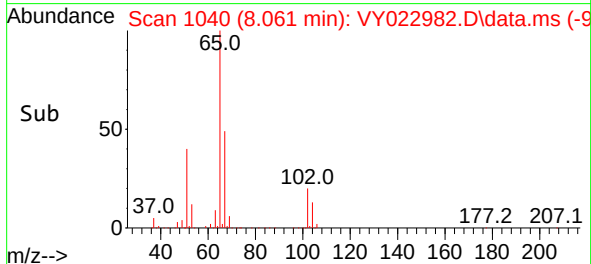
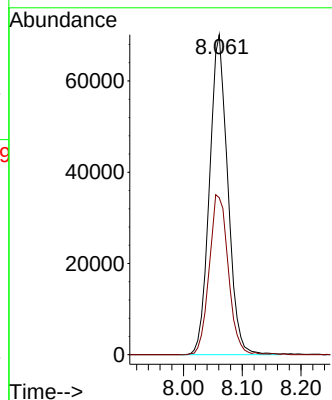
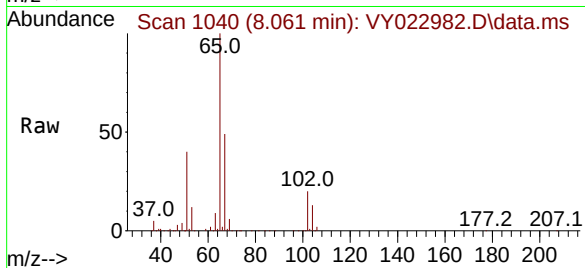
TP-90

Tgt Ion: 65 Resp: 151389

Ion Ratio Lower Upper

65 100

67 52.2 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: VY022982.D

Acq: 08 Jul 2025 17:47

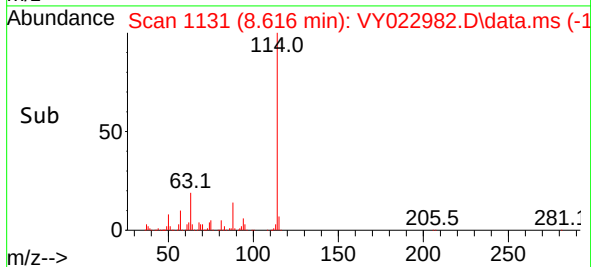
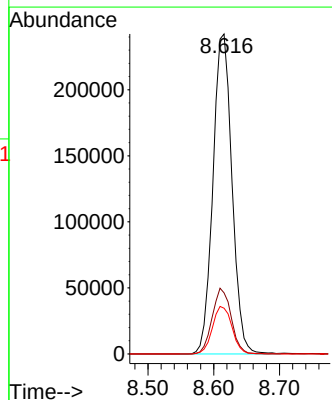
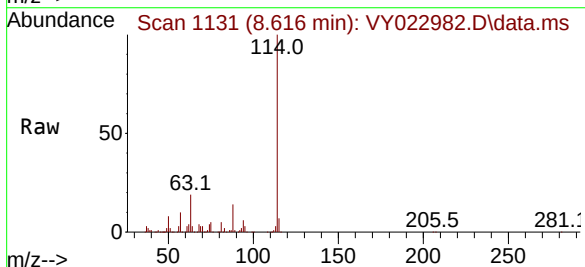
Tgt Ion: 114 Resp: 488482

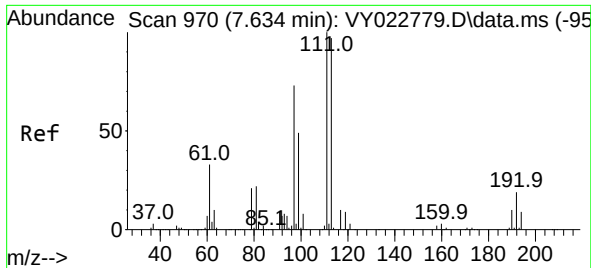
Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.8

88 14.3 0.0 27.8

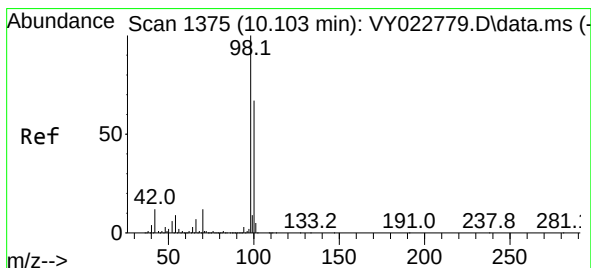
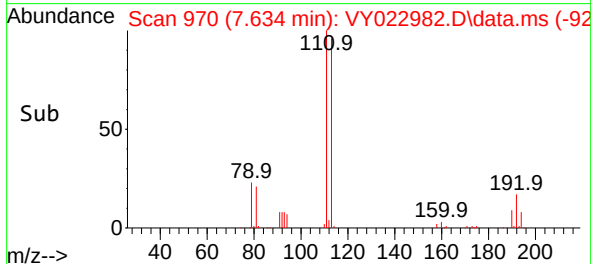
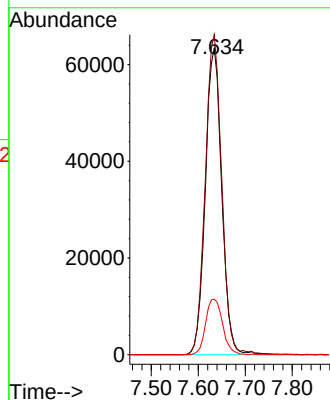
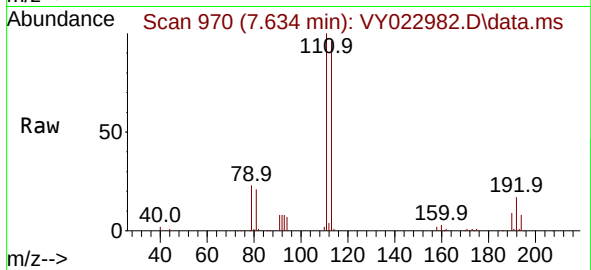




#35
Dibromofluoromethane
Concen: 51.637 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022982.D
Acq: 08 Jul 2025 17:47

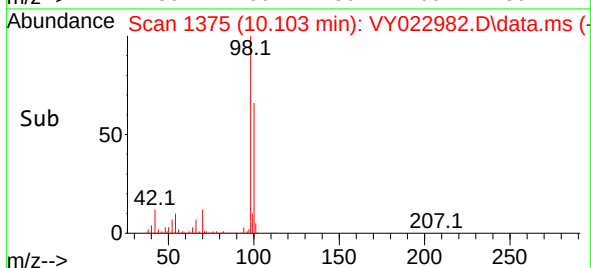
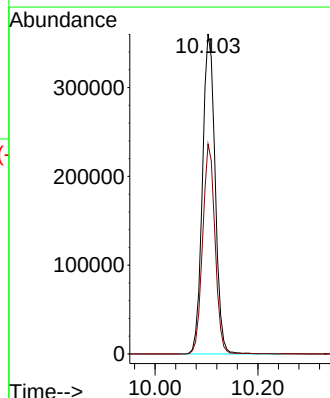
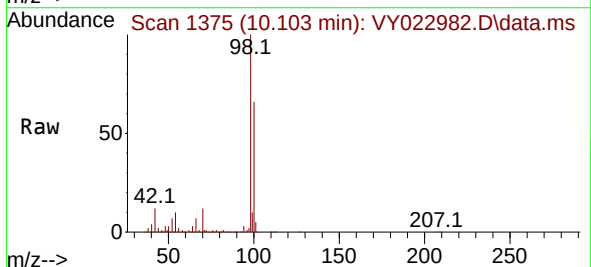
Instrument :
MSVOA_Y
ClientSampleId :
TP-90

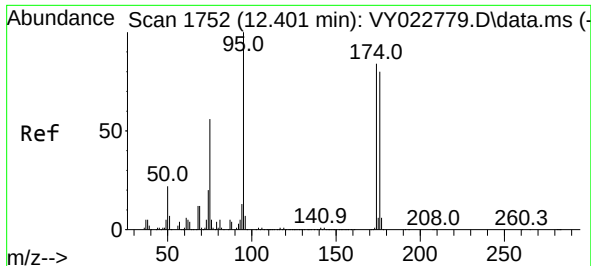
Tgt Ion:113 Resp: 153399
Ion Ratio Lower Upper
113 100
111 104.8 81.1 121.7
192 18.7 14.2 21.2



#50
Toluene-d8
Concen: 52.135 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022982.D
Acq: 08 Jul 2025 17:47

Tgt Ion: 98 Resp: 614582
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 55.469 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022982.D

Acq: 08 Jul 2025 17:47

Instrument :

MSVOA_Y

ClientSampleId :

TP-90

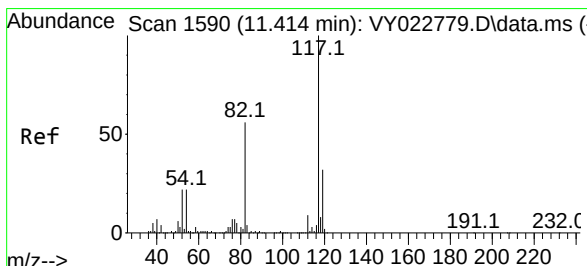
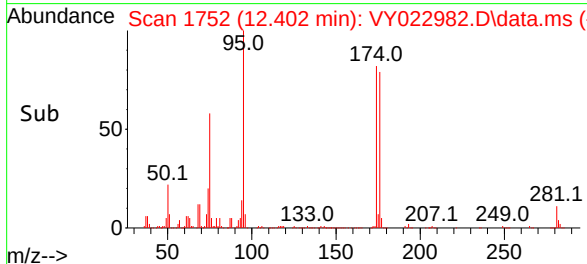
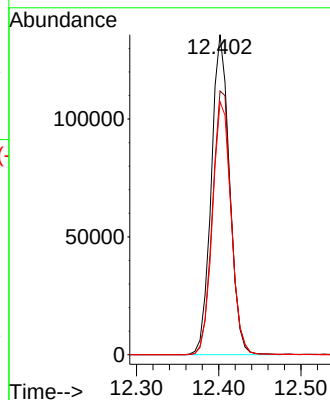
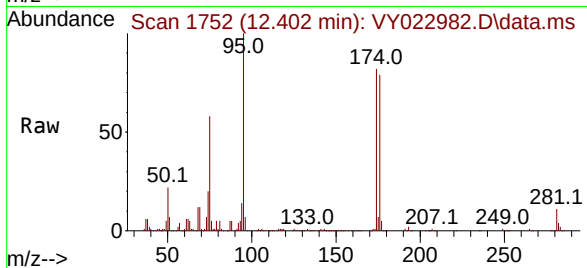
Tgt Ion: 95 Resp: 210203

Ion Ratio Lower Upper

95 100

174 84.1 0.0 170.0

176 80.6 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: VY022982.D

Acq: 08 Jul 2025 17:47

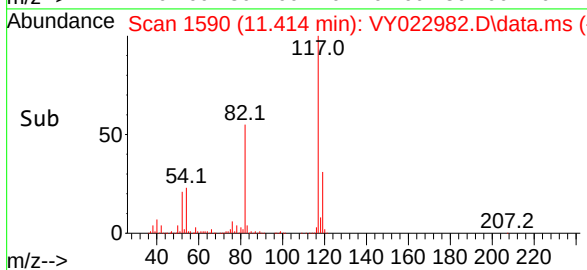
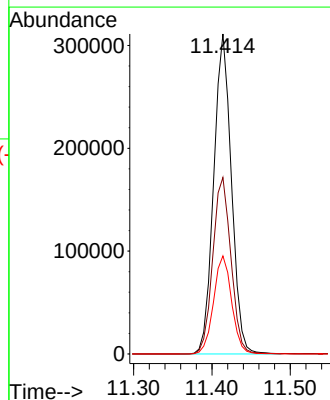
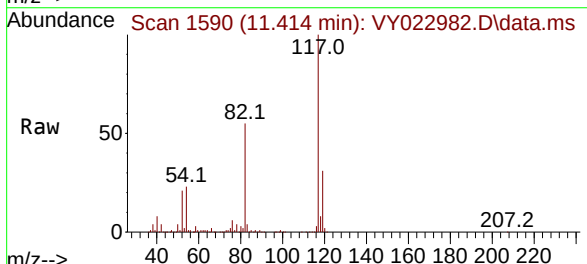
Tgt Ion: 117 Resp: 488896

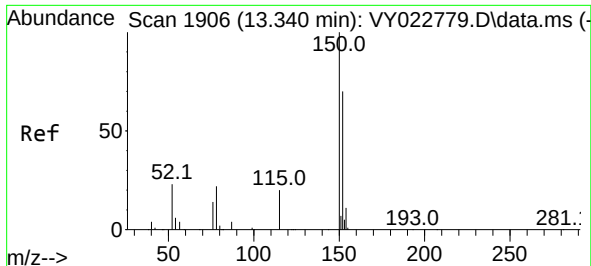
Ion Ratio Lower Upper

117 100

82 55.2 44.6 66.8

119 30.7 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: VY022982.D

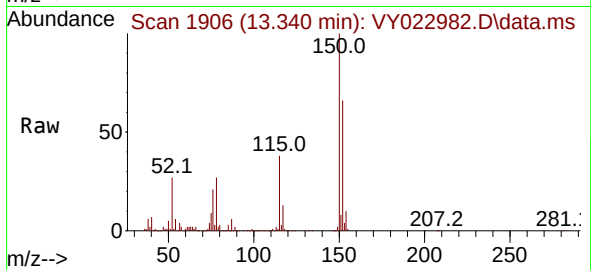
Acq: 08 Jul 2025 17:47

Instrument :

MSVOA_Y

ClientSampleId :

TP-90



Tgt Ion:152 Resp: 212620

Ion Ratio Lower Upper

152 100

115 57.8 28.9 86.7

150 156.2 0.0 349.6

