

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062725\
 Data File : VY022866.D
 Acq On : 27 Jun 2025 16:53
 Operator : SY/MD
 Sample : Q2442-01
 Misc : 6.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 500-3B

Quant Time: Jun 27 23:20:38 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)

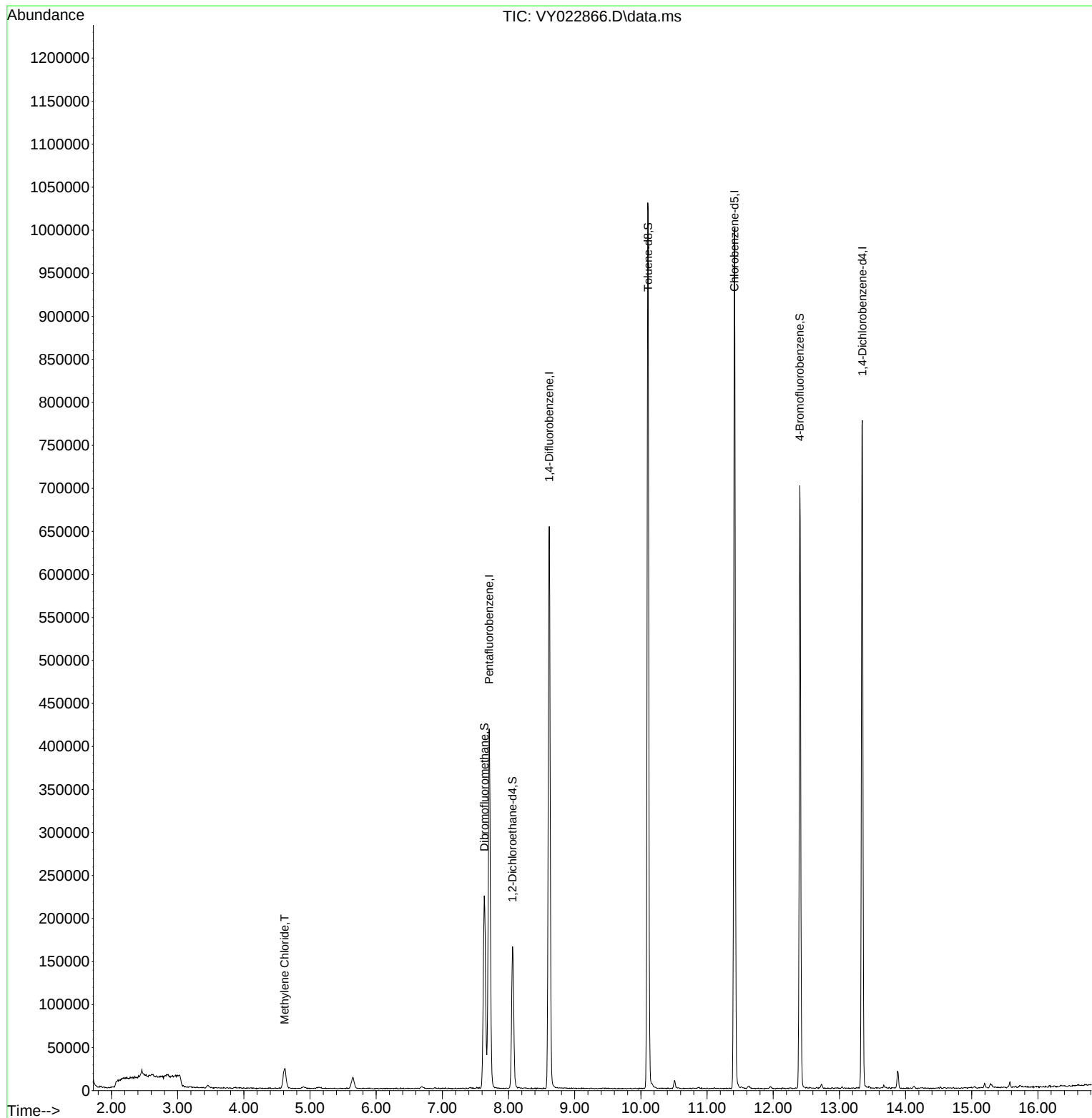
Internal Standards						
1) Pentafluorobenzene	7.707	168	309134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	561343	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	498934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	194535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132398	38.373	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	76.740%
35) Dibromofluoromethane	7.634	113	160311	46.959	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.920%
50) Toluene-d8	10.109	98	670553	49.500	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.000%
62) 4-Bromofluorobenzene	12.402	95	204352	46.926	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.860%
Target Compounds						
20) Methylene Chloride	4.616	84	17419	4.230	ug/l	Qvalue 97

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

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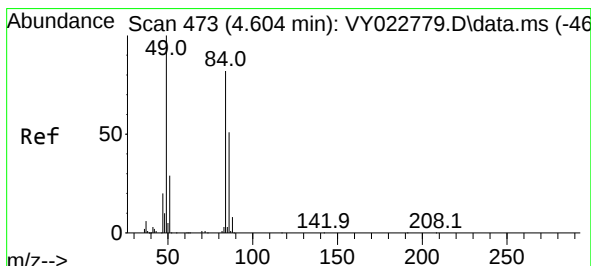
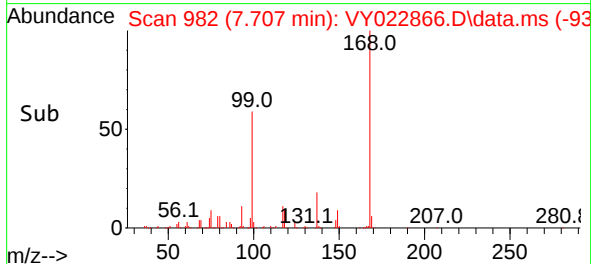
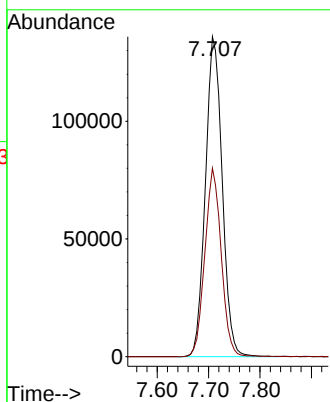
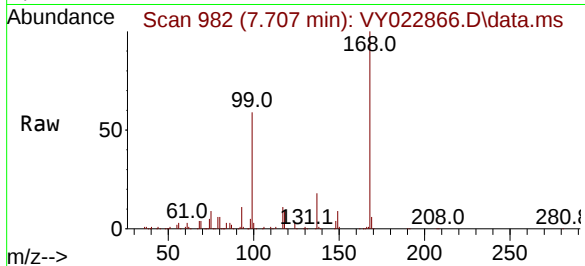




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022866.D
Acq: 27 Jun 2025 16:53

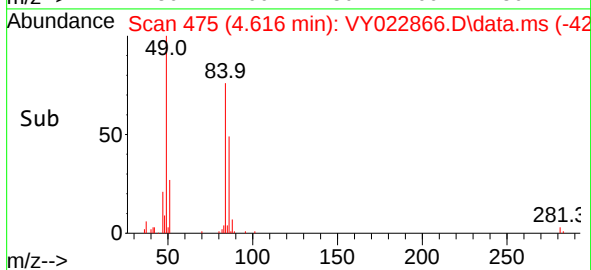
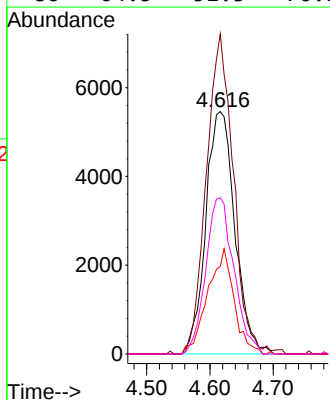
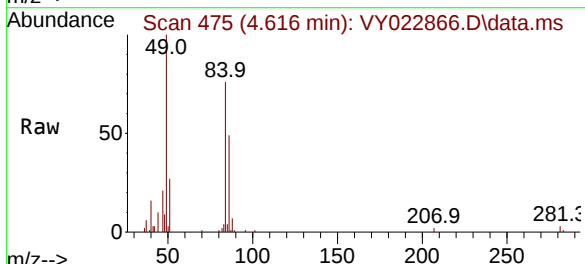
Instrument :
MSVOA_Y
ClientSampleId :
500-3B

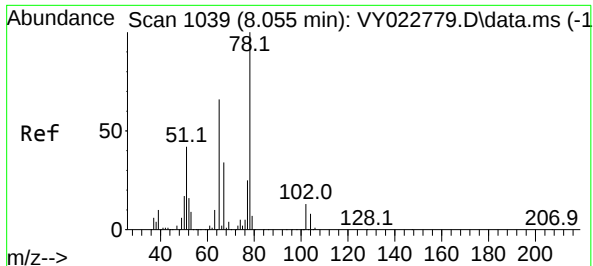
Tgt Ion:168 Resp: 309134
Ion Ratio Lower Upper
168 100
99 58.9 44.3 66.5



#20
Methylene Chloride
Concen: 4.230 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022866.D
Acq: 27 Jun 2025 16:53

Tgt Ion: 84 Resp: 17419
Ion Ratio Lower Upper
84 100
49 132.0 101.9 152.9
51 36.1 29.8 44.8
86 64.5 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 38.373 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022866.D

Acq: 27 Jun 2025 16:53

Instrument :

MSVOA_Y

ClientSampleId :

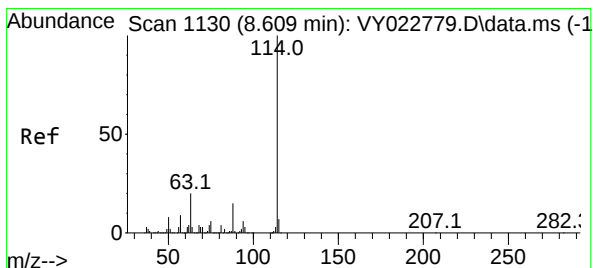
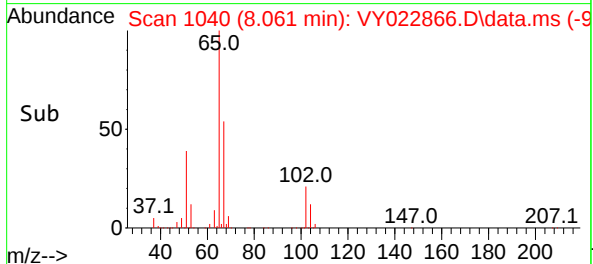
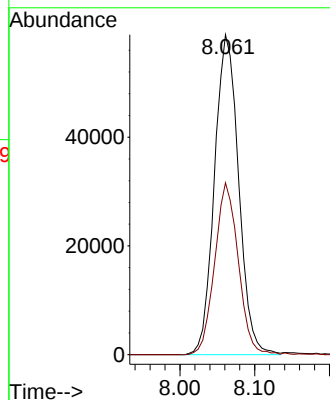
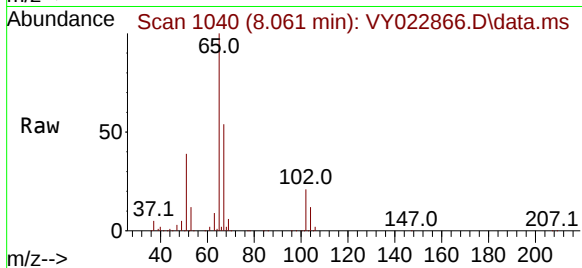
500-3B

Tgt Ion: 65 Resp: 132398

Ion Ratio Lower Upper

65 100

67 52.5 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: VY022866.D

Acq: 27 Jun 2025 16:53

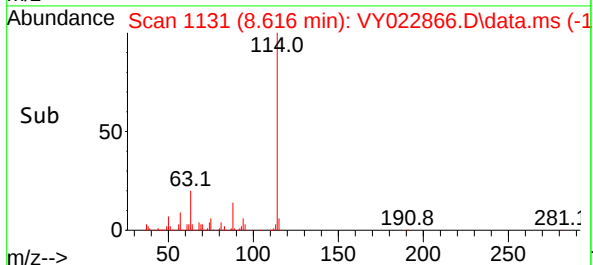
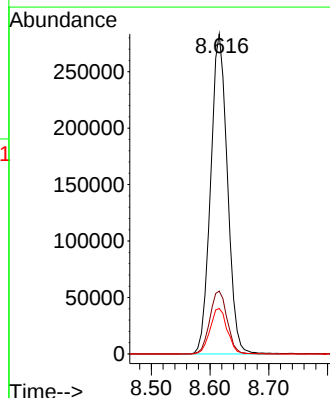
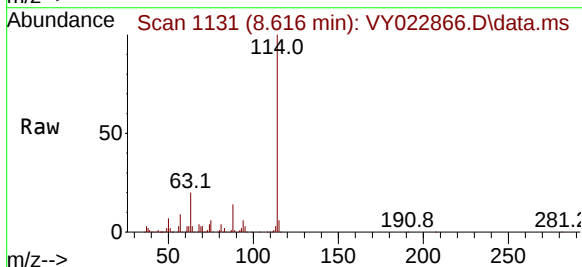
Tgt Ion:114 Resp: 561343

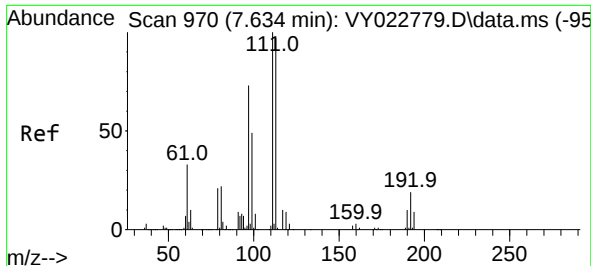
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 14.2 0.0 27.8

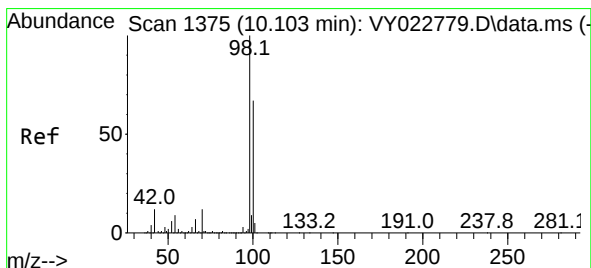
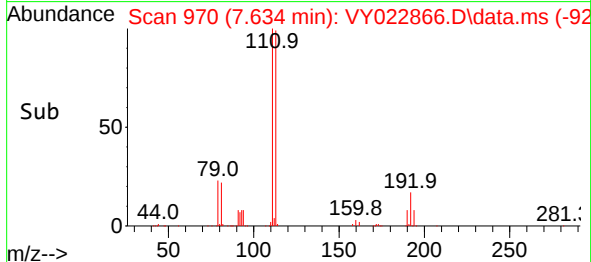
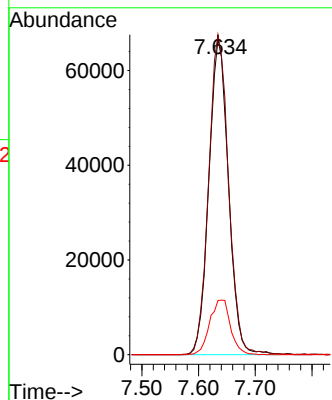
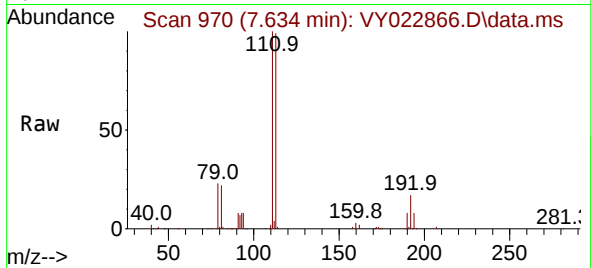




#35
Dibromofluoromethane
Concen: 46.959 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022866.D
Acq: 27 Jun 2025 16:53

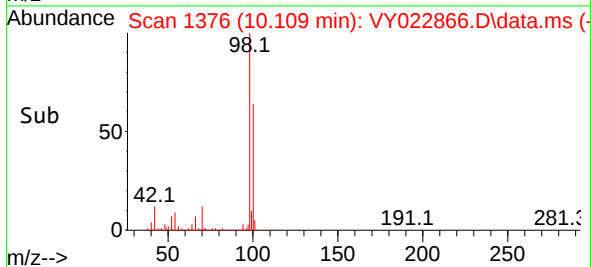
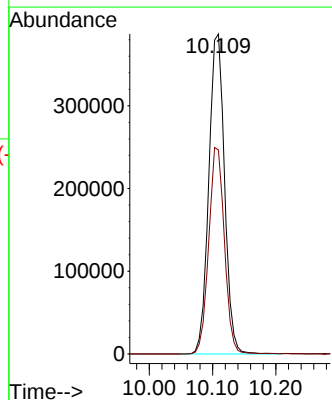
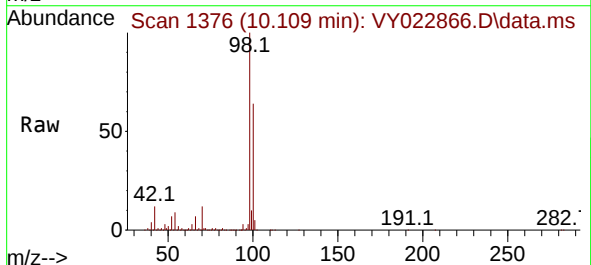
Instrument :
MSVOA_Y
ClientSampleId :
500-3B

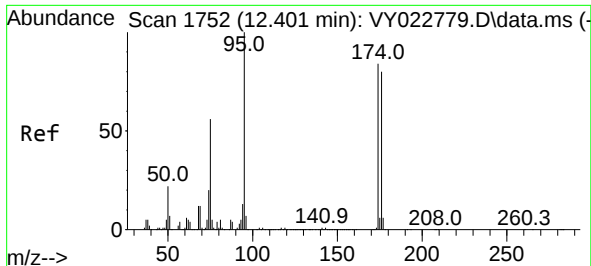
Tgt Ion:113 Resp: 160311
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 18.4 14.2 21.2



#50
Toluene-d8
Concen: 49.500 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022866.D
Acq: 27 Jun 2025 16:53

Tgt Ion: 98 Resp: 670553
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0

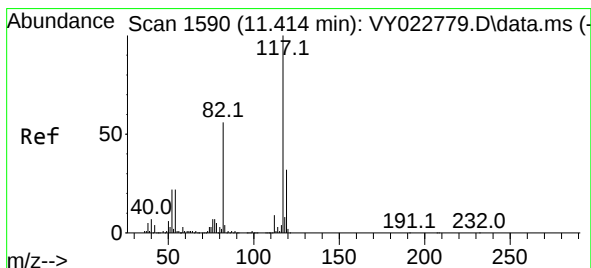
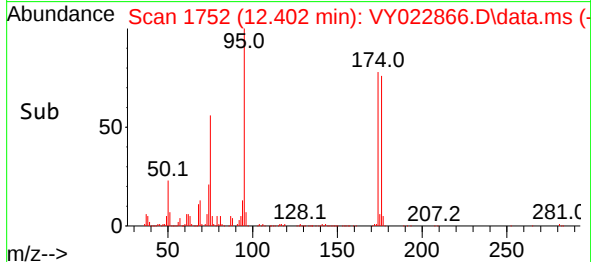
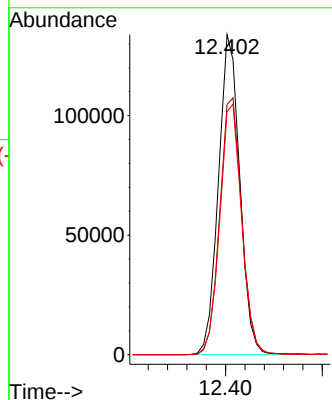
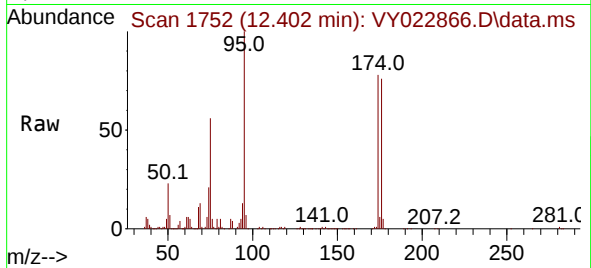




#62
4-Bromofluorobenzene
Concen: 46.926 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022866.D
Acq: 27 Jun 2025 16:53

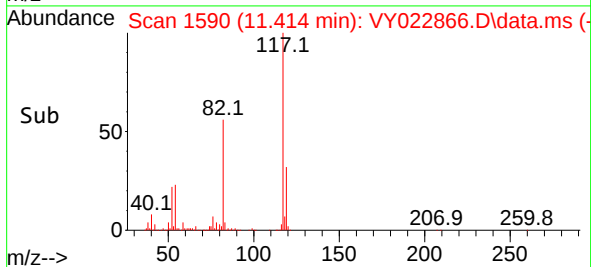
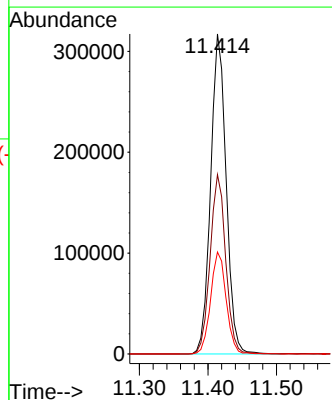
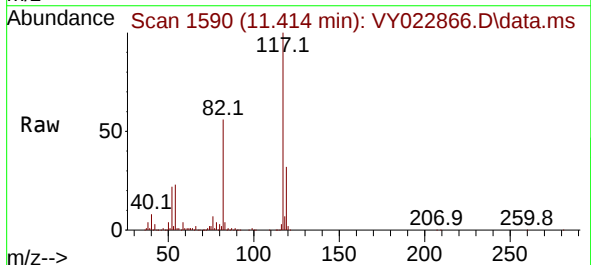
Instrument :
MSVOA_Y
ClientSampleId :
500-3B

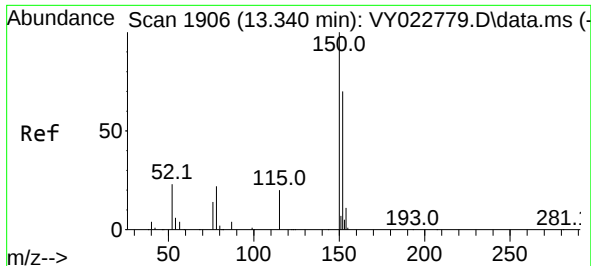
Tgt Ion: 95 Resp: 204352
Ion Ratio Lower Upper
95 100
174 83.3 0.0 170.0
176 80.6 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022866.D
Acq: 27 Jun 2025 16:53

Tgt Ion: 117 Resp: 498934
Ion Ratio Lower Upper
117 100
82 56.1 44.6 66.8
119 31.9 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022866.D
 Acq: 27 Jun 2025 16:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 500-3B

Tgt Ion:152 Resp: 194535
 Ion Ratio Lower Upper
 152 100
 115 58.1 28.9 86.7
 150 155.5 0.0 349.6

