

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022987.D
 Acq On : 08 Jul 2025 19:44
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jul 09 02:37:16 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)

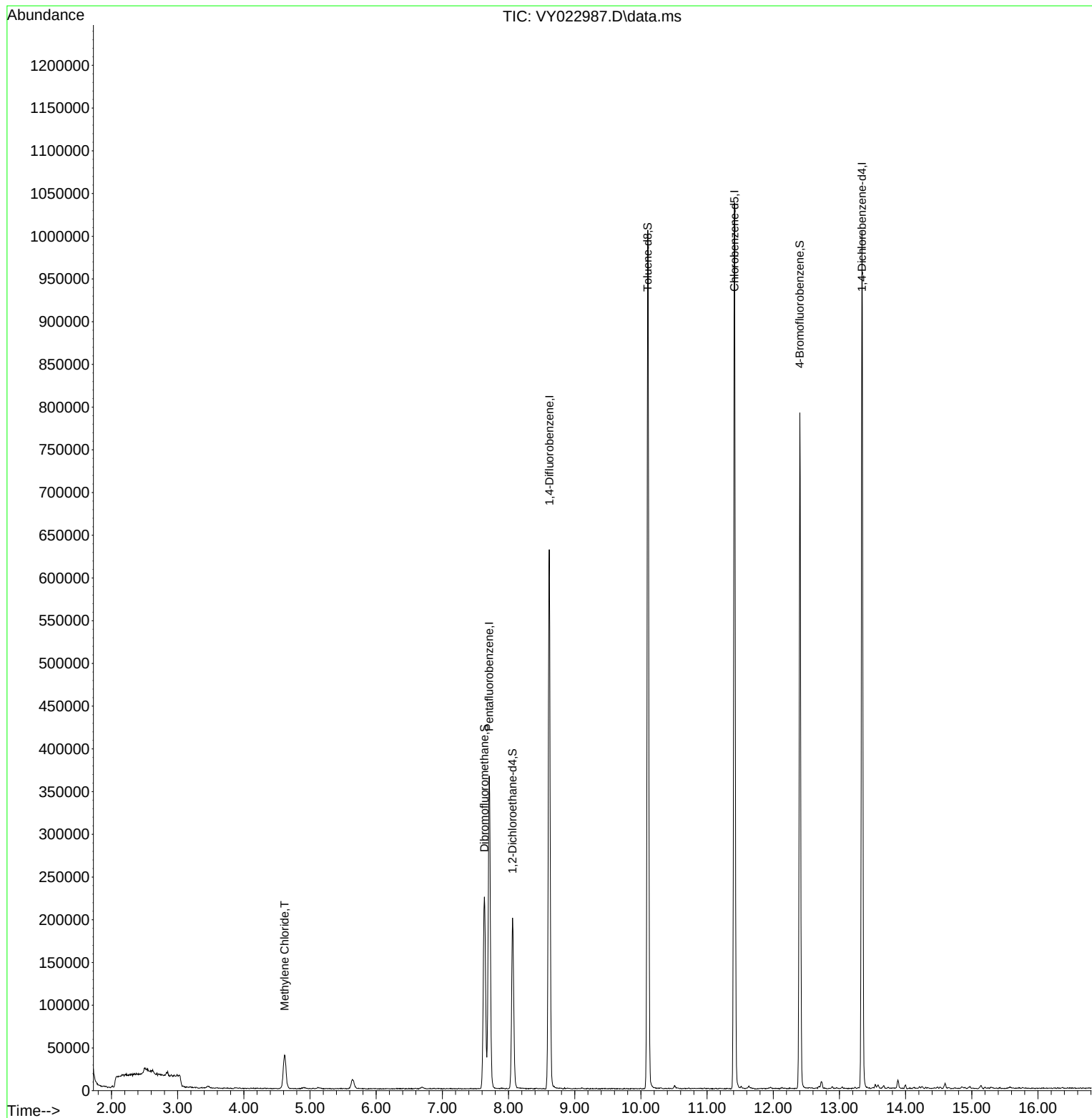
Internal Standards						
1) Pentafluorobenzene	7.707	168	274678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	519032	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	523644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	234980	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	155105	50.594	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.180%	
35) Dibromofluoromethane	7.634	113	160301	50.784	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.560%	
50) Toluene-d8	10.103	98	637341	50.884	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.760%	
62) 4-Bromofluorobenzene	12.402	95	225296	55.953	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.900%	
Target Compounds						
20) Methylene Chloride	4.616	84	28875	7.891	ug/l	Qvalue 96

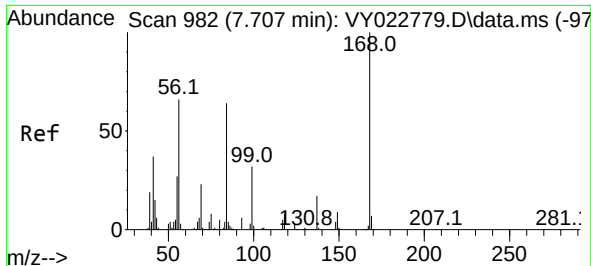
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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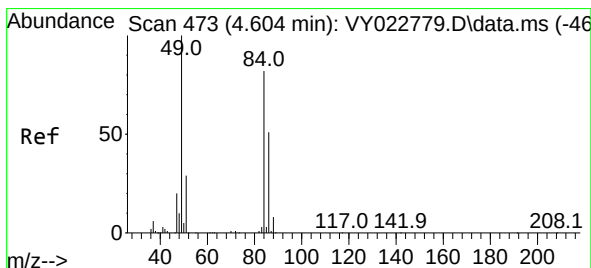
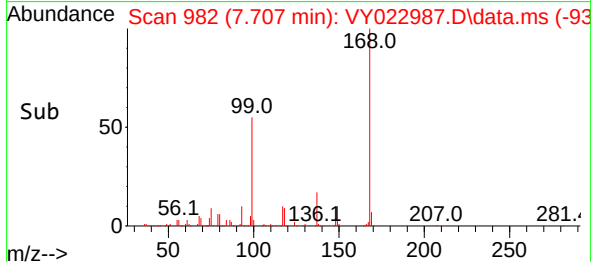
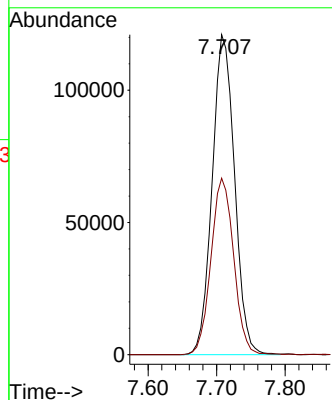
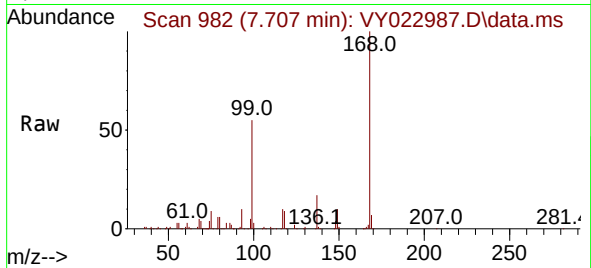




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022987.D
Acq: 08 Jul 2025 19:44

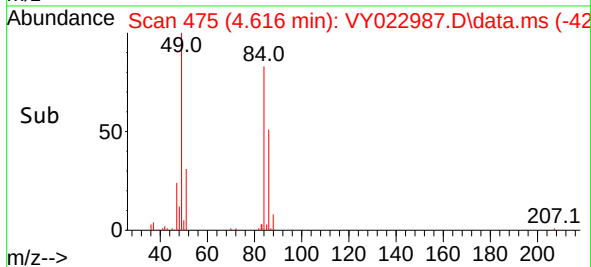
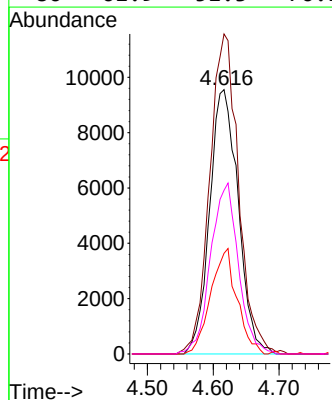
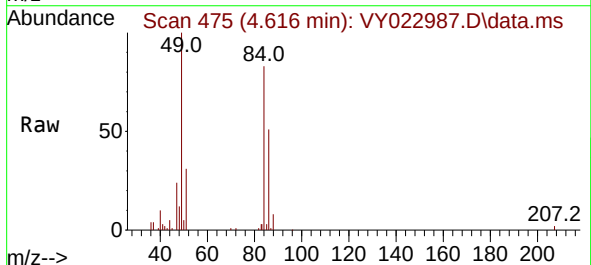
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

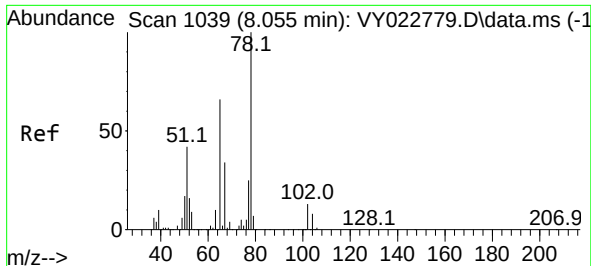
Tgt Ion:168 Resp: 274678
Ion Ratio Lower Upper
168 100
99 55.2 44.3 66.5



#20
Methylene Chloride
Concen: 7.891 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022987.D
Acq: 08 Jul 2025 19:44

Tgt Ion: 84 Resp: 28875
Ion Ratio Lower Upper
84 100
49 120.2 101.9 152.9
51 38.1 29.8 44.8
86 61.9 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 50.594 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022987.D

Acq: 08 Jul 2025 19:44

Instrument :

MSVOA_Y

ClientSampleId :

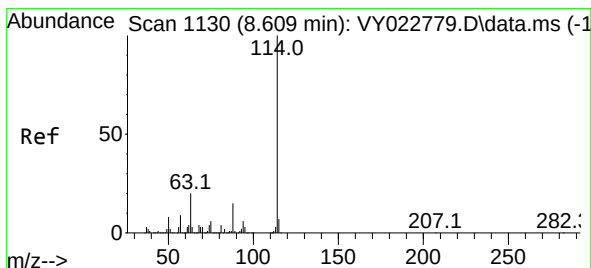
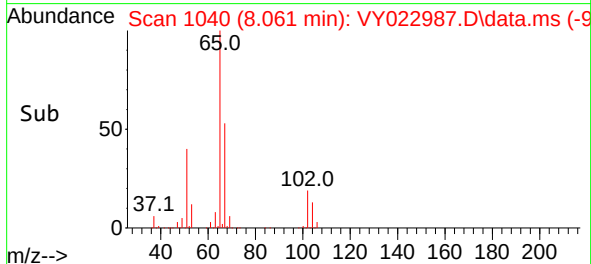
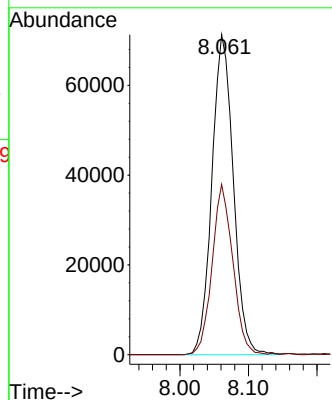
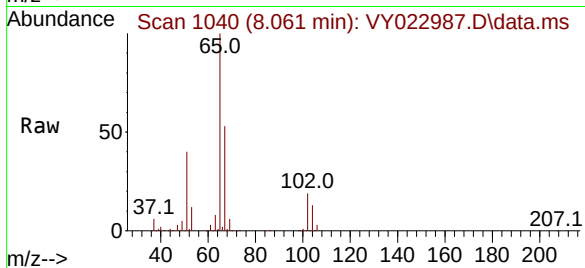
VIBLK

Tgt Ion: 65 Resp: 155105

Ion Ratio Lower Upper

65 100

67 51.3 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: VY022987.D

Acq: 08 Jul 2025 19:44

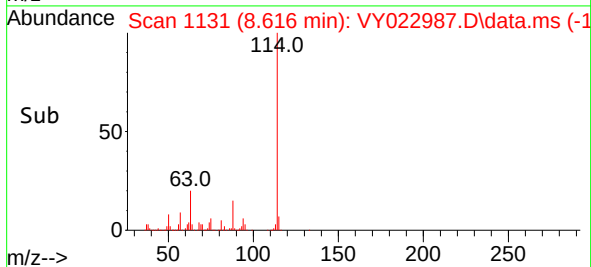
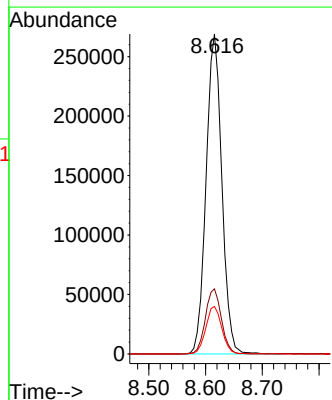
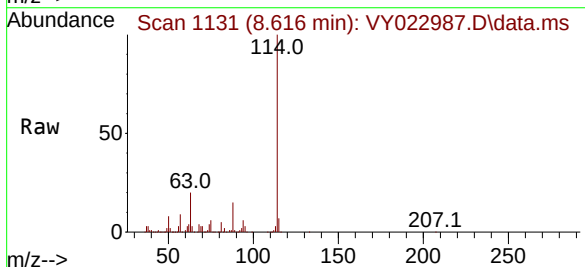
Tgt Ion: 114 Resp: 519032

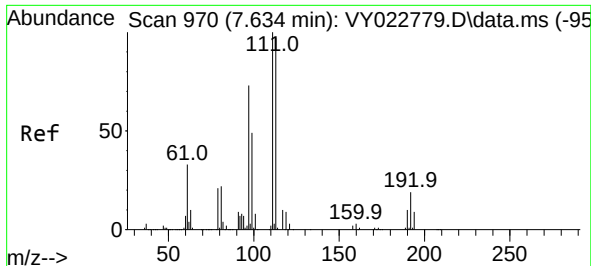
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 14.8 0.0 27.8

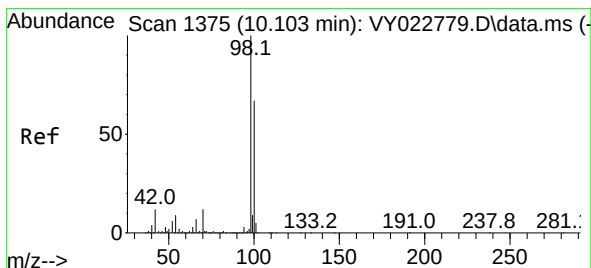
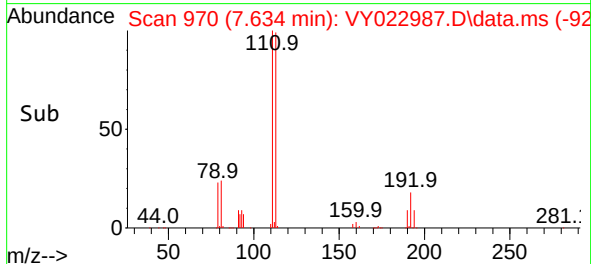
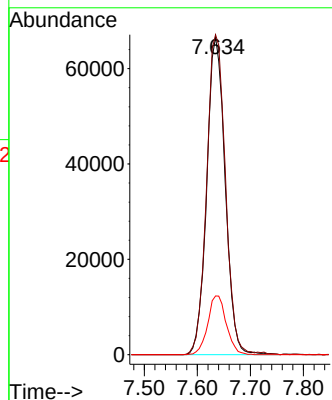
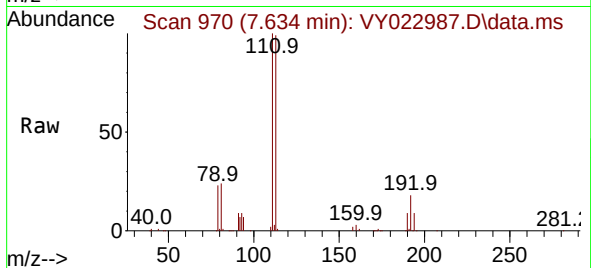




#35
Dibromofluoromethane
Concen: 50.784 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022987.D
Acq: 08 Jul 2025 19:44

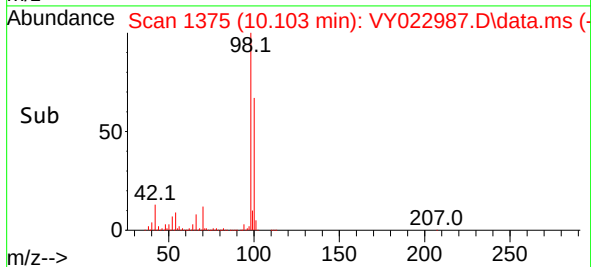
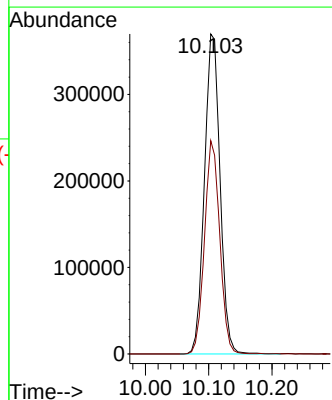
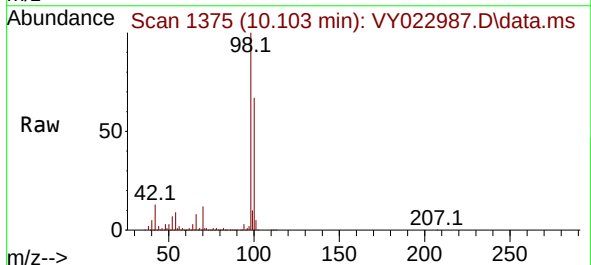
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

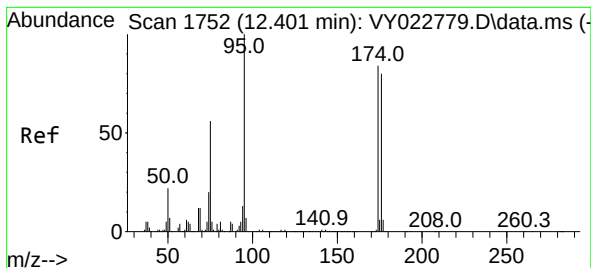
Tgt Ion:113 Resp: 160301
Ion Ratio Lower Upper
113 100
111 102.7 81.1 121.7
192 18.7 14.2 21.2



#50
Toluene-d8
Concen: 50.884 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022987.D
Acq: 08 Jul 2025 19:44

Tgt Ion: 98 Resp: 637341
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0

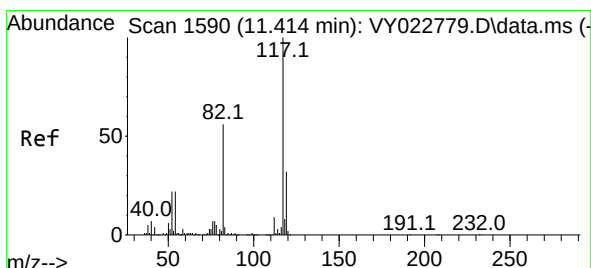
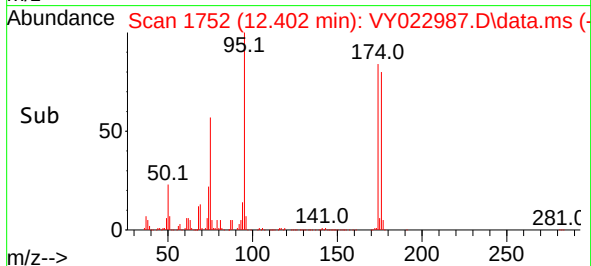
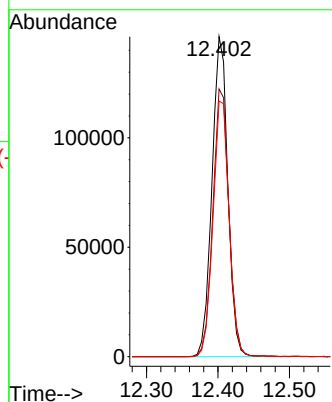
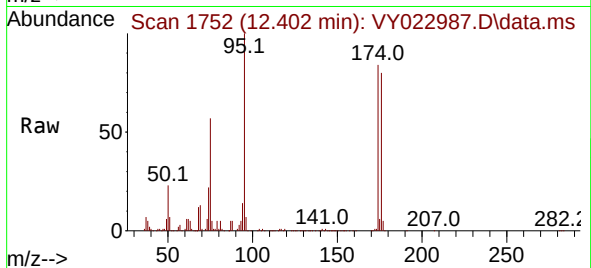




#62
4-Bromofluorobenzene
Concen: 55.953 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022987.D
Acq: 08 Jul 2025 19:44

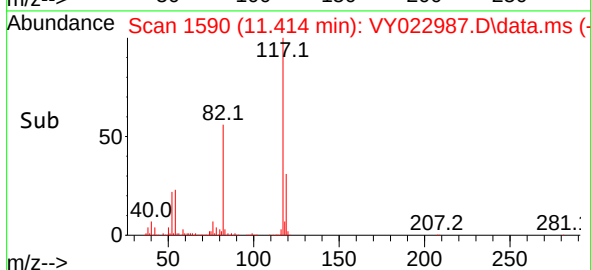
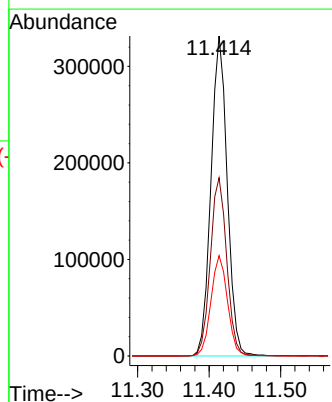
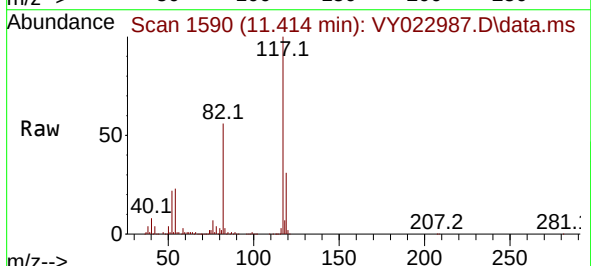
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

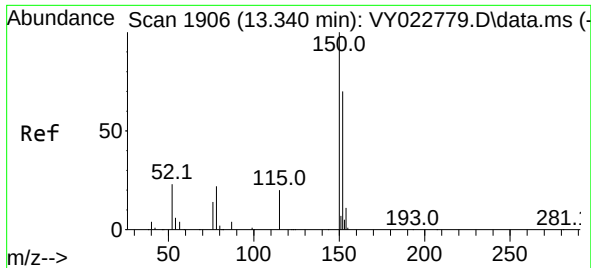
Tgt Ion: 95 Resp: 225296
Ion Ratio Lower Upper
95 100
174 85.0 0.0 170.0
176 81.3 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022987.D
Acq: 08 Jul 2025 19:44

Tgt Ion: 117 Resp: 523644
Ion Ratio Lower Upper
117 100
82 55.7 44.6 66.8
119 31.3 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: VY022987.D
 Acq: 08 Jul 2025 19:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion:152 Resp: 234980

Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.9	86.7
150	156.5	0.0	349.6

