

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
 Data File : VY023352.D
 Acq On : 11 Sep 2025 16:36
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Sep 12 01:30:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

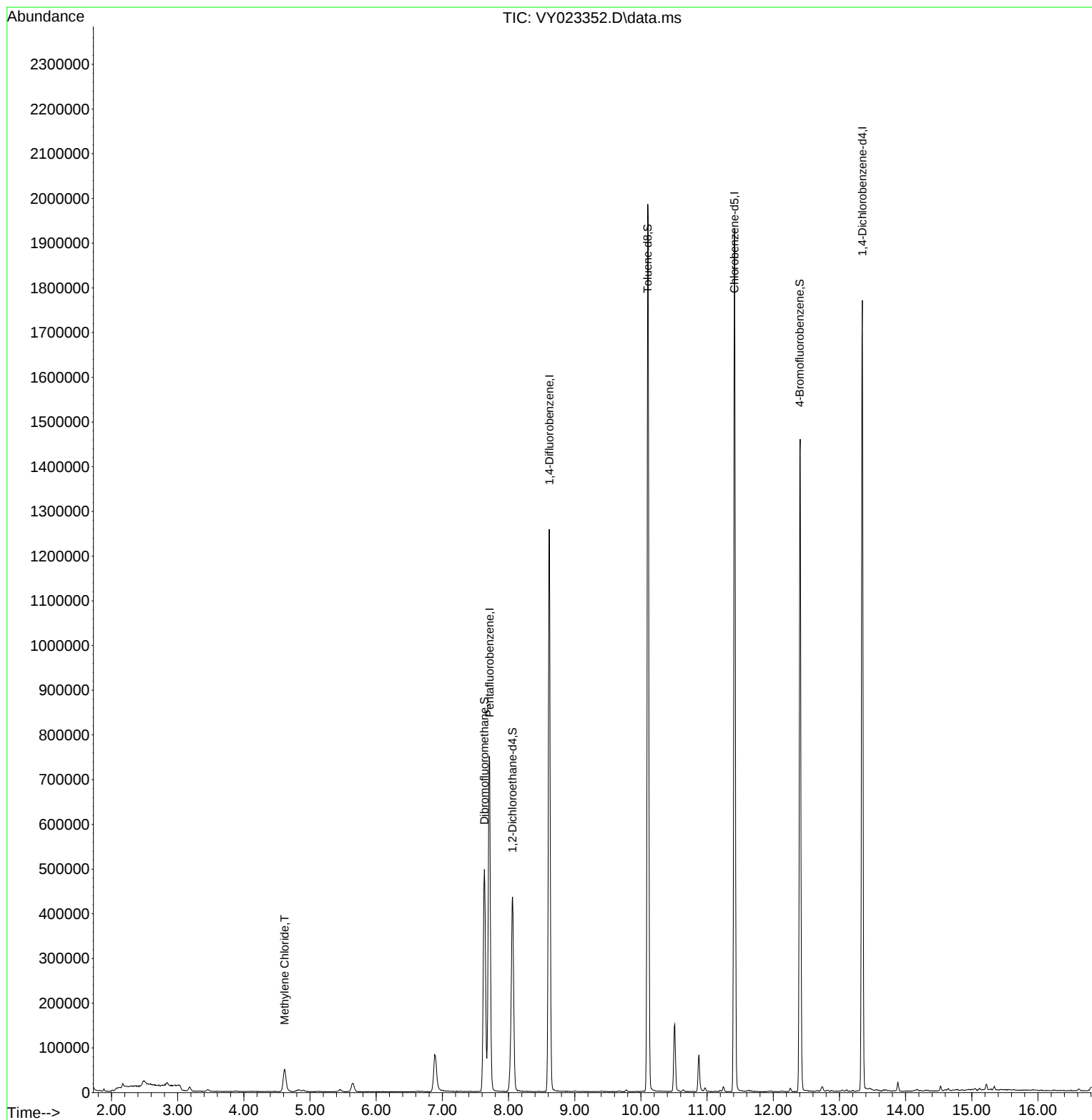
Internal Standards						
1) Pentafluorobenzene	7.713	168	616320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1123609	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1075930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	476559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	306761	56.643	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.280%
35) Dibromofluoromethane	7.634	113	359691	52.370	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.740%
50) Toluene-d8	10.103	98	1330596	51.305	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.620%
62) 4-Bromofluorobenzene	12.401	95	435288	53.333	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.660%
Target Compounds						
20) Methylene Chloride	4.616	84	38308	5.804	ug/l	Qvalue 94

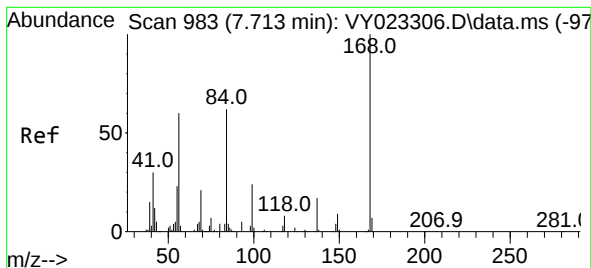
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY023352.D

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MSVOA_Y

ClientSampleId :

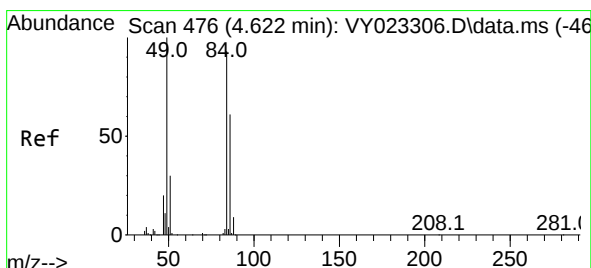
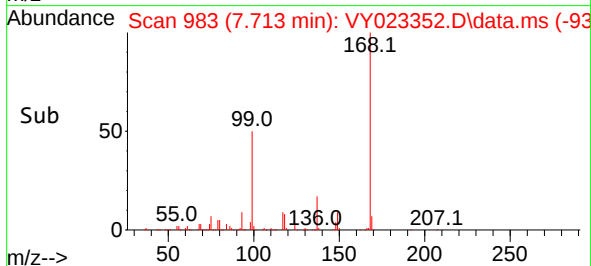
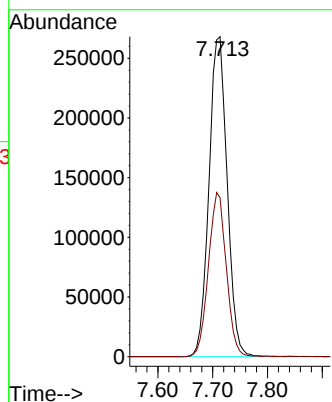
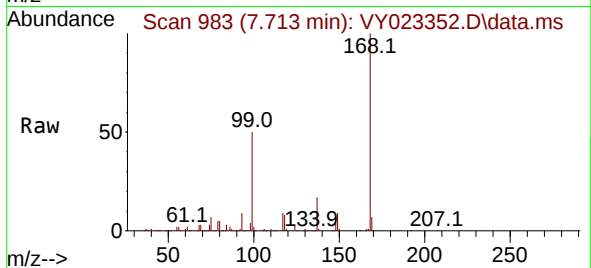
VIBLK

Tgt Ion:168 Resp: 616320

Ion Ratio Lower Upper

168 100

99 49.7 42.8 64.2



#20

Methylene Chloride

Concen: 5.804 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.012 min

Lab File: VY023352.D

Acq: 11 Sep 2025 16:36

Tgt Ion: 84 Resp: 38308

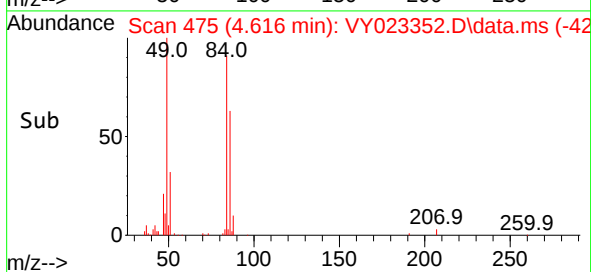
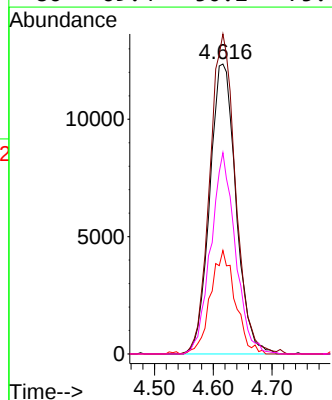
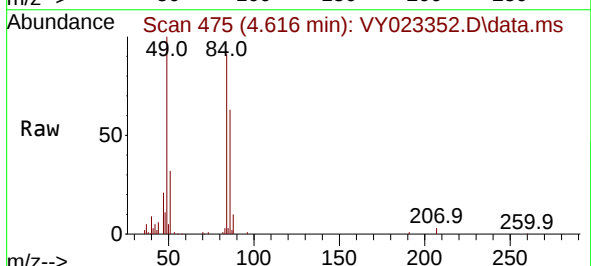
Ion Ratio Lower Upper

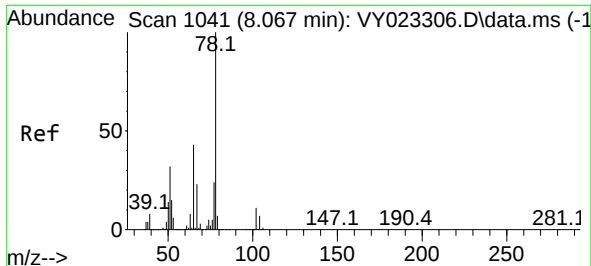
84 100

49 110.4 93.0 139.6

51 35.7 29.0 43.4

86 69.4 50.2 75.4





#33

1,2-Dichloroethane-d4

Concen: 56.643 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY023352.D

Acq: 11 Sep 2025 16:36

Instrument :

MSVOA_Y

ClientSampleId :

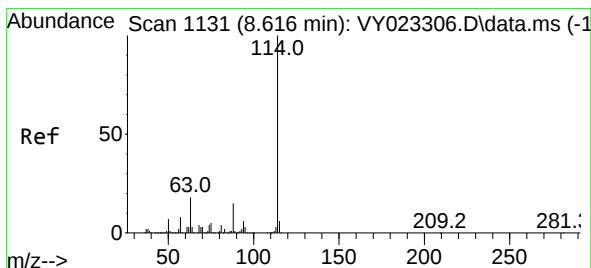
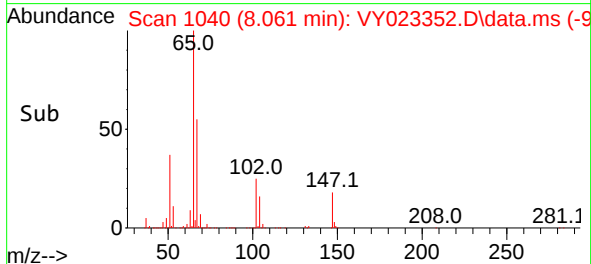
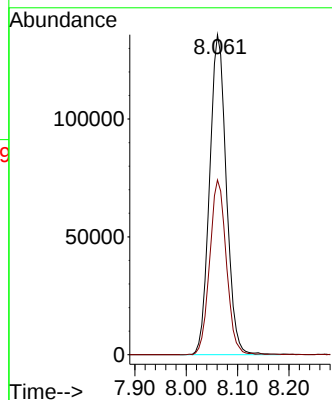
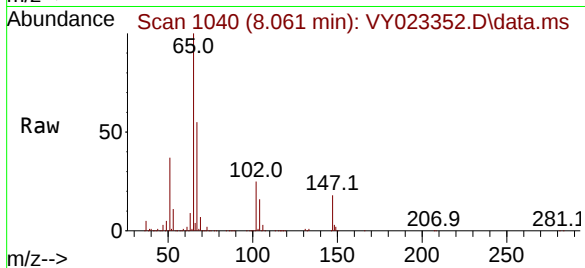
VIBLK

Tgt Ion: 65 Resp: 306761

Ion Ratio Lower Upper

65 100

67 54.2 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023352.D

Acq: 11 Sep 2025 16:36

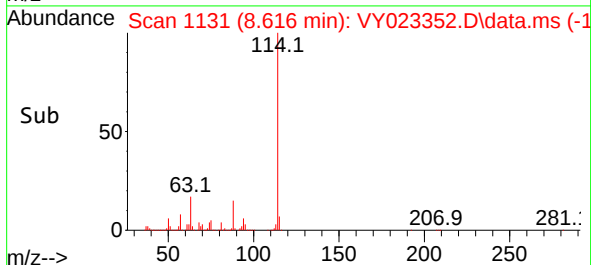
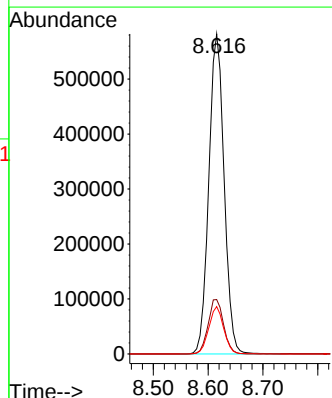
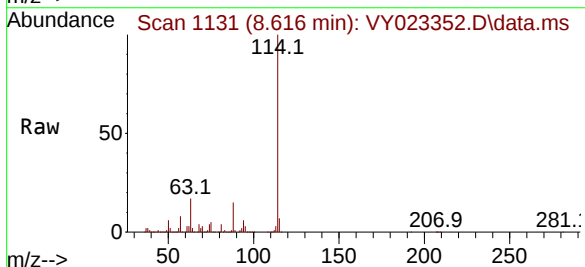
Tgt Ion:114 Resp: 1123609

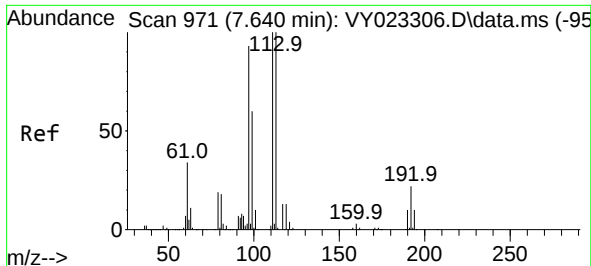
Ion Ratio Lower Upper

114 100

63 17.0 0.0 38.4

88 14.8 0.0 30.0

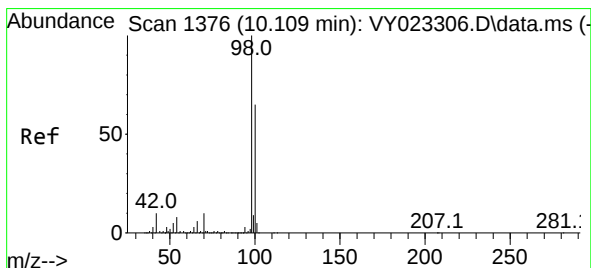
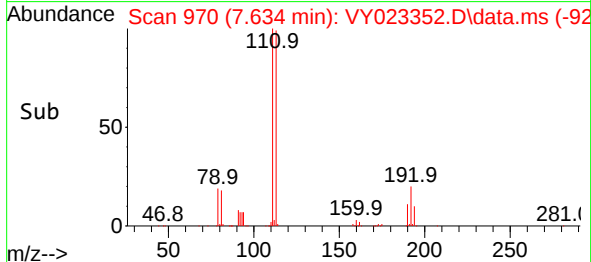
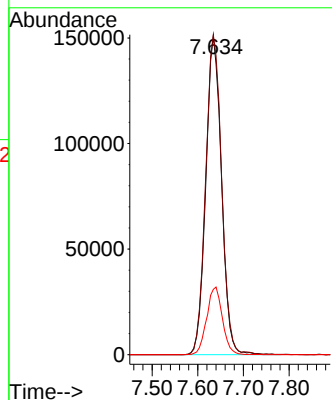
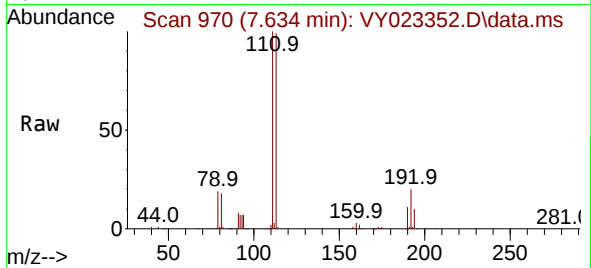




#35
Dibromofluoromethane
Concen: 52.370 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023352.D
Acq: 11 Sep 2025 16:36

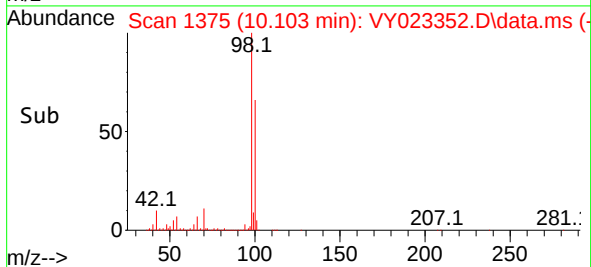
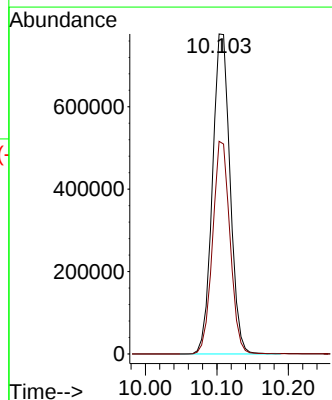
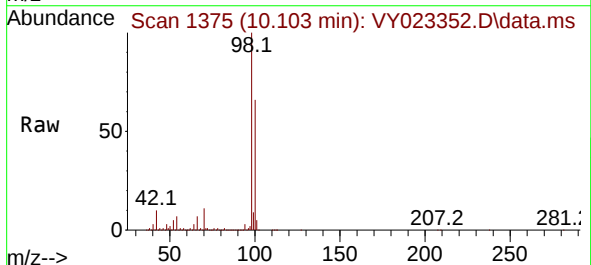
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

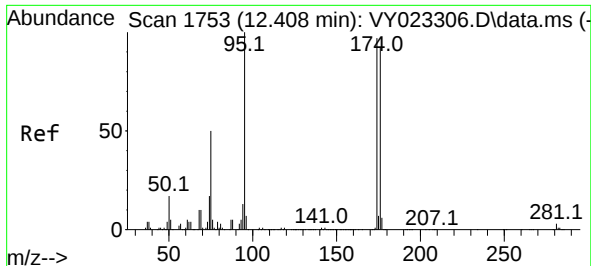
Tgt Ion:113 Resp: 359691
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 21.3 16.2 24.4



#50
Toluene-d8
Concen: 51.305 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023352.D
Acq: 11 Sep 2025 16:36

Tgt Ion: 98 Resp: 1330596
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5

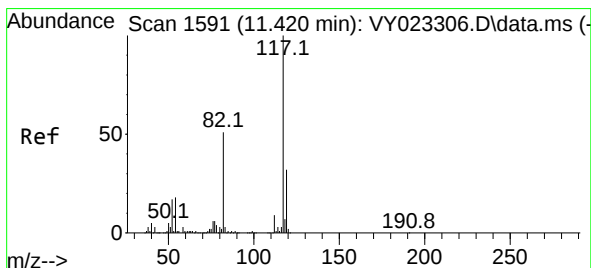
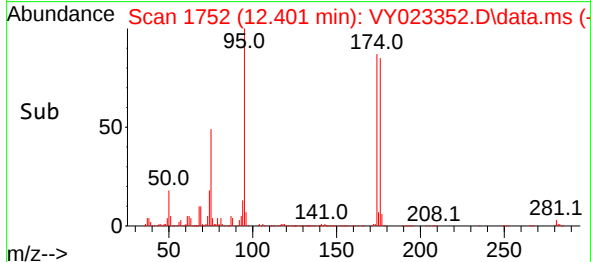
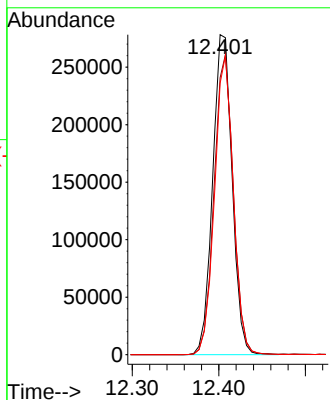
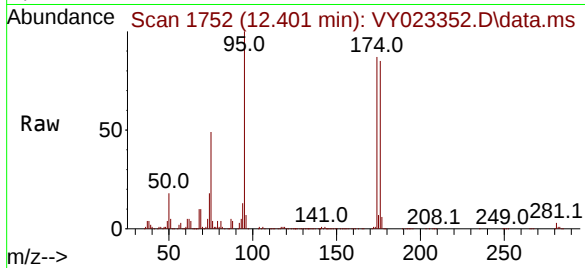




#62
4-Bromofluorobenzene
Concen: 53.333 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023352.D
Acq: 11 Sep 2025 16:36

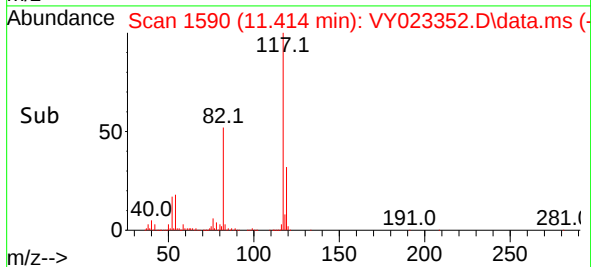
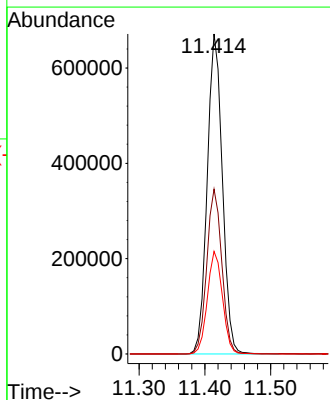
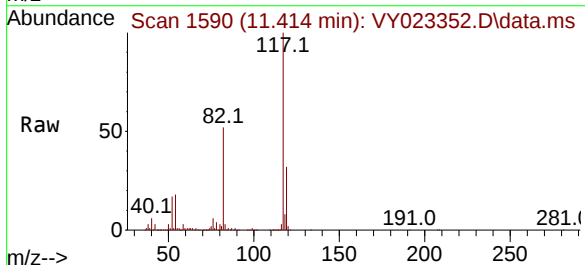
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

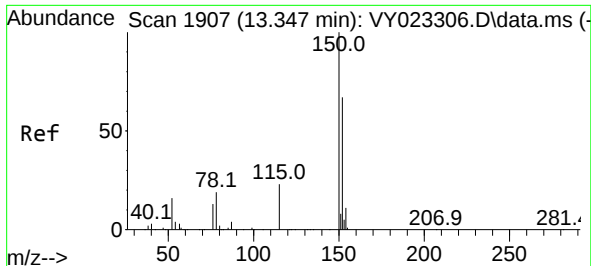
Tgt Ion: 95 Resp: 435288
Ion Ratio Lower Upper
95 100
174 92.3 0.0 171.6
176 90.1 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023352.D
Acq: 11 Sep 2025 16:36

Tgt Ion: 117 Resp: 1075930
Ion Ratio Lower Upper
117 100
82 51.5 43.4 65.0
119 32.1 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.006 min
 Lab File: VY023352.D
 Acq: 11 Sep 2025 16:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion:152 Resp: 476559

Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.2	84.6
150	156.7	0.0	348.0

