

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022801.D
 Acq On : 24 Jun 2025 16:39
 Operator : SY/MD
 Sample : Q2394-03
 Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-K/L VOC

Quant Time: Jun 25 01:28:26 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)

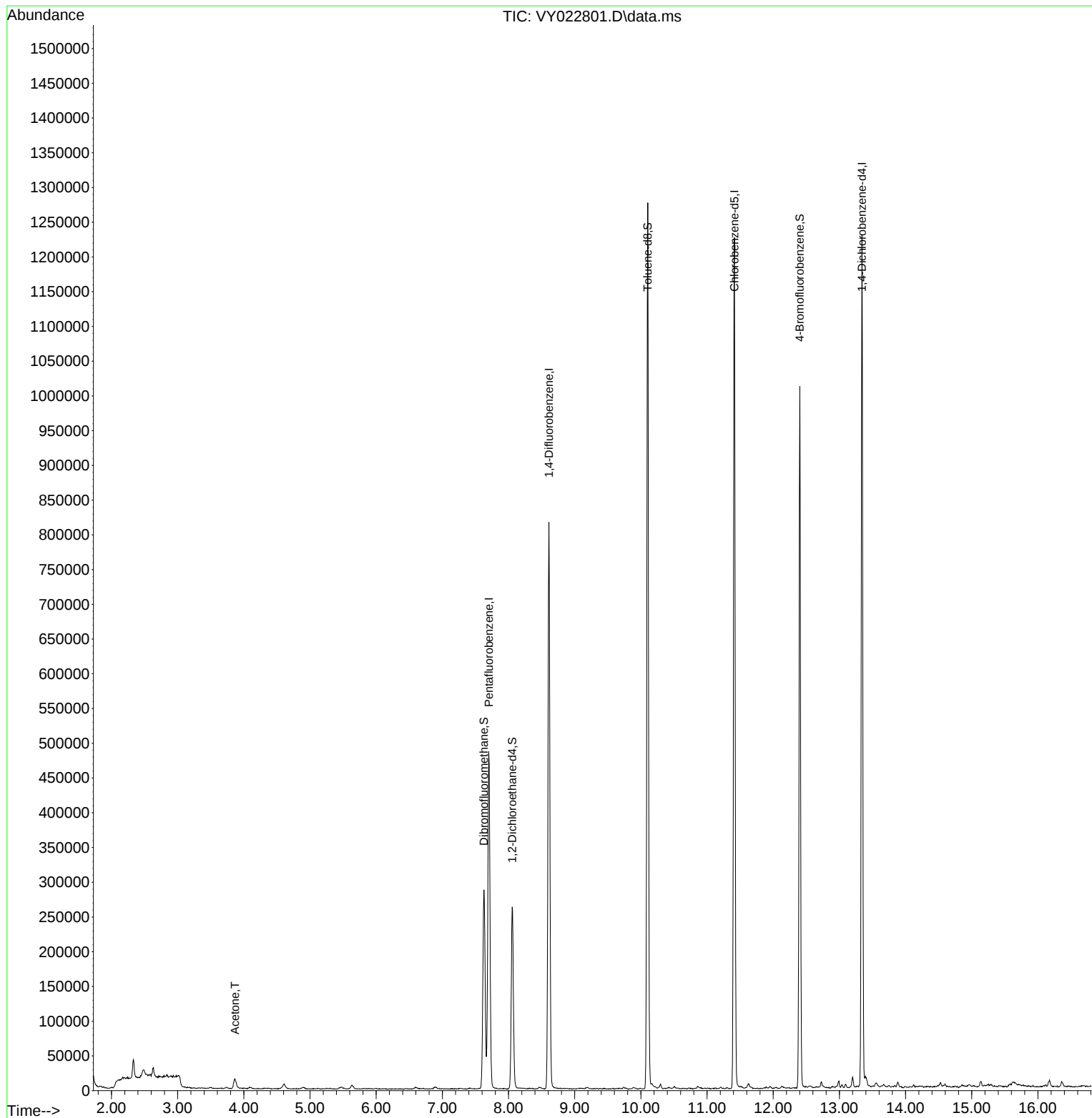
Internal Standards						
1) Pentafluorobenzene	7.701	168	372026	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	673025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	638717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	295413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	205075	49.390	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.780%
35) Dibromofluoromethane	7.628	113	204438	49.948	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.900%
50) Toluene-d8	10.103	98	808651	49.789	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.580%
62) 4-Bromofluorobenzene	12.402	95	281964	54.004	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.000%
Target Compounds						
16) Acetone	3.867	43	25970	33.091	ug/l	97

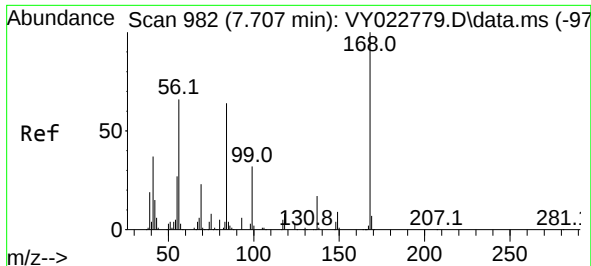
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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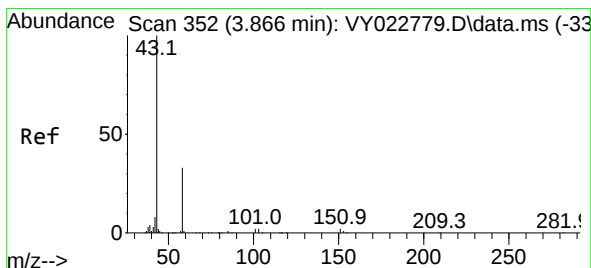
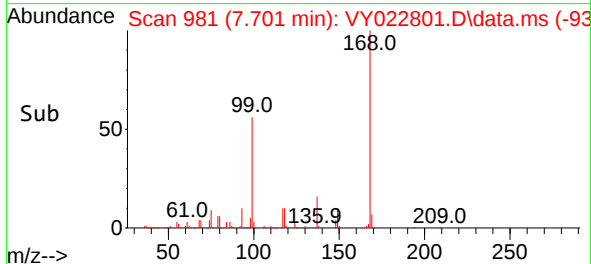
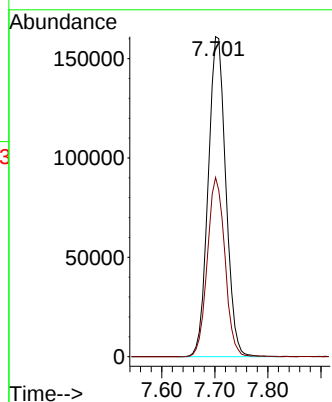
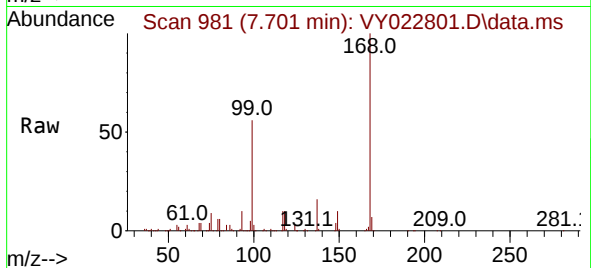




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022801.D
Acq: 24 Jun 2025 16:39

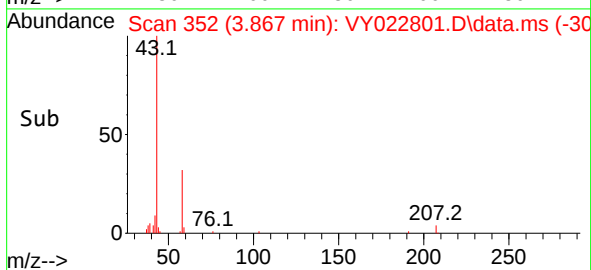
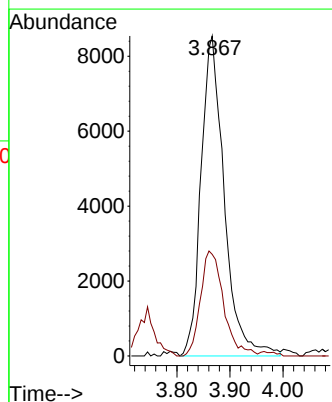
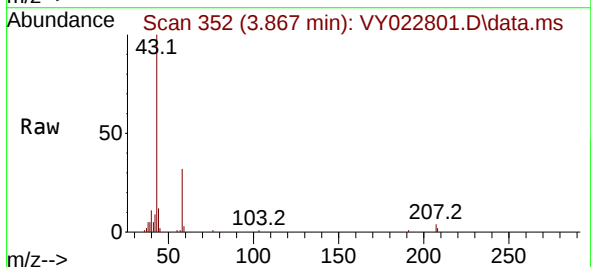
Instrument :
MSVOA_Y
ClientSampleId :
MH-K/L VOC

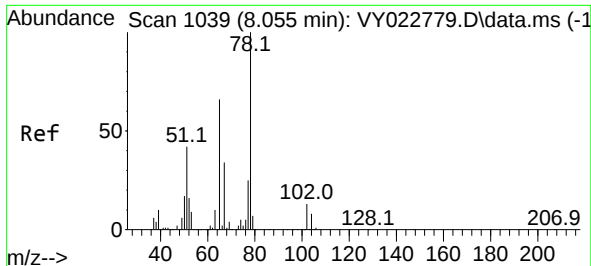
Tgt Ion:168 Resp: 372026
Ion Ratio Lower Upper
168 100
99 56.0 44.3 66.5



#16
Acetone
Concen: 33.091 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022801.D
Acq: 24 Jun 2025 16:39

Tgt Ion: 43 Resp: 25970
Ion Ratio Lower Upper
43 100
58 31.8 24.0 36.0





#33

1,2-Dichloroethane-d4

Concen: 49.390 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY022801.D

Acq: 24 Jun 2025 16:39

Instrument :

MSVOA_Y

ClientSampleId :

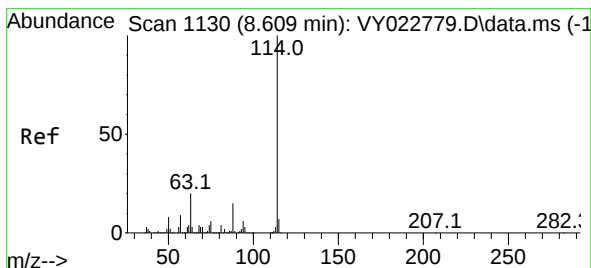
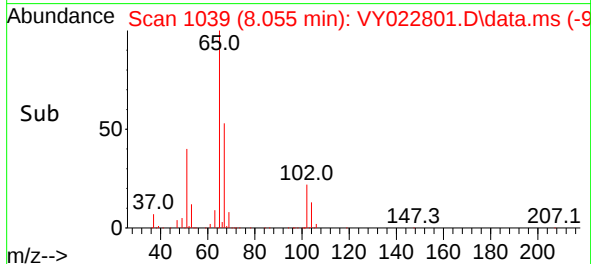
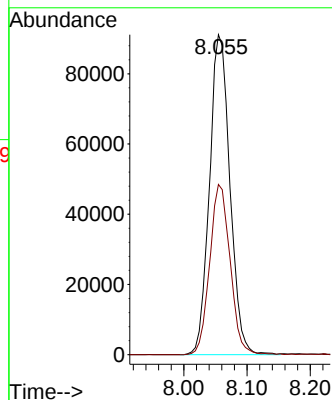
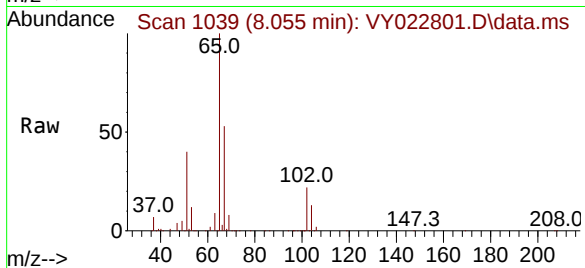
MH-K/L VOC

Tgt Ion: 65 Resp: 205075

Ion Ratio Lower Upper

65 100

67 53.1 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022801.D

Acq: 24 Jun 2025 16:39

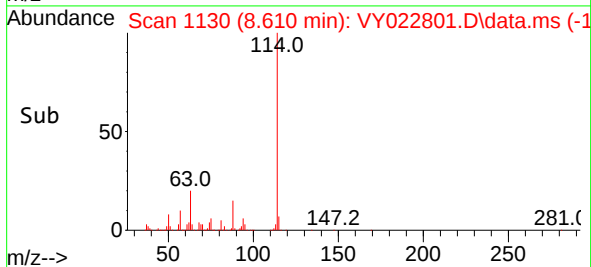
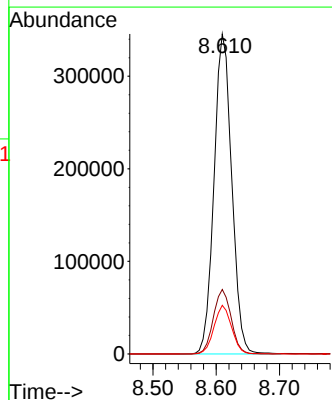
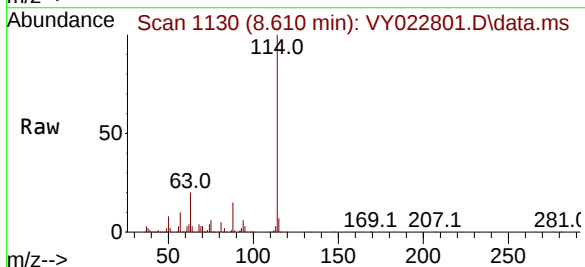
Tgt Ion: 114 Resp: 673025

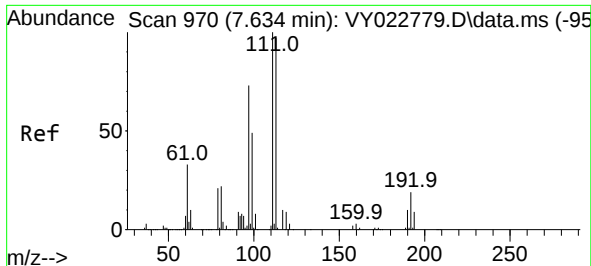
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

88 15.2 0.0 27.8

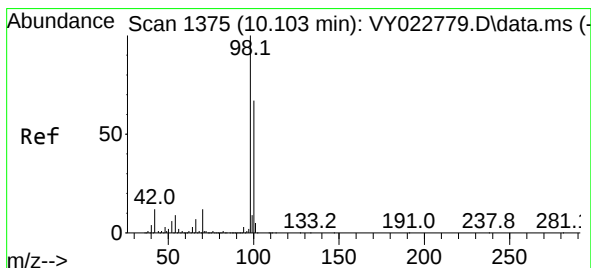
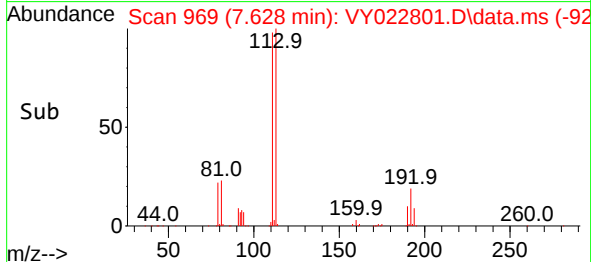
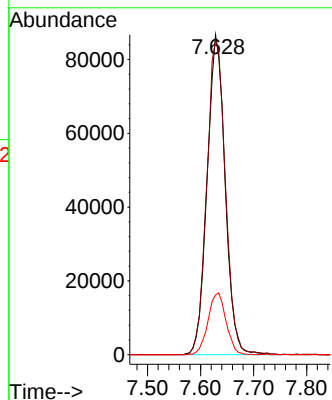
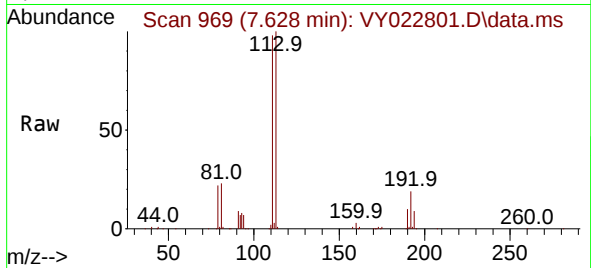




#35
Dibromofluoromethane
Concen: 49.948 ug/l
RT: 7.628 min Scan# 911
Delta R.T. -0.012 min
Lab File: VY022801.D
Acq: 24 Jun 2025 16:39

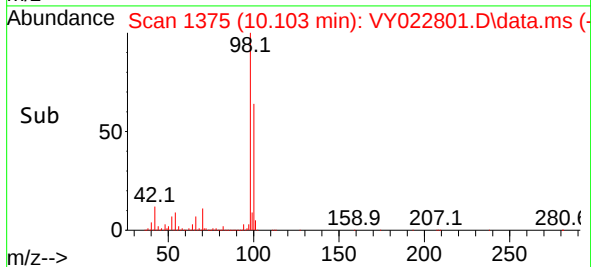
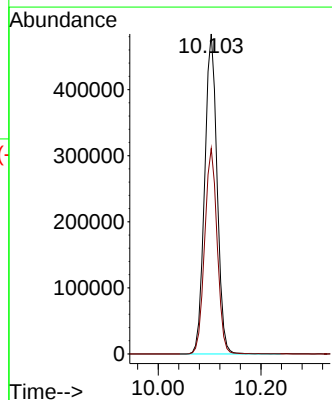
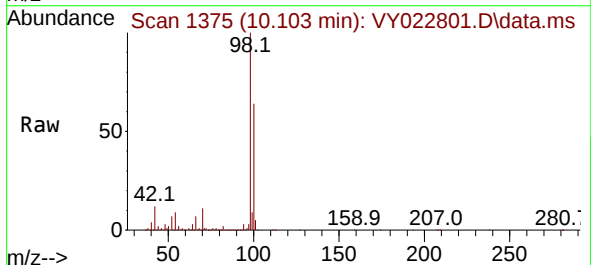
Instrument :
MSVOA_Y
ClientSampleId :
MH-K/L VOC

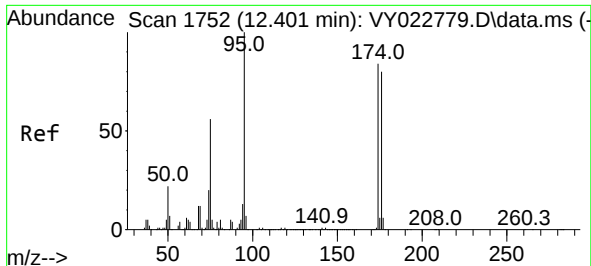
Tgt Ion:113 Resp: 204438
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 19.4 14.2 21.2



#50
Toluene-d8
Concen: 49.789 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022801.D
Acq: 24 Jun 2025 16:39

Tgt Ion: 98 Resp: 808651
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0

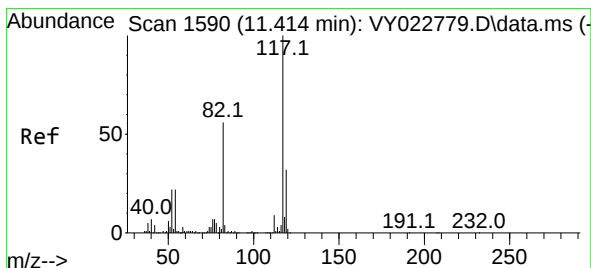
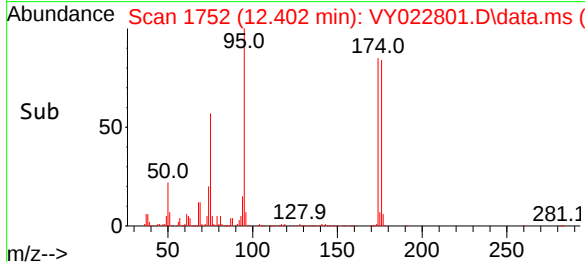
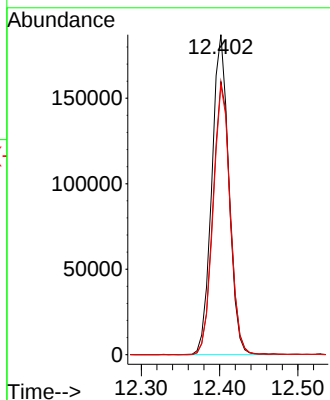
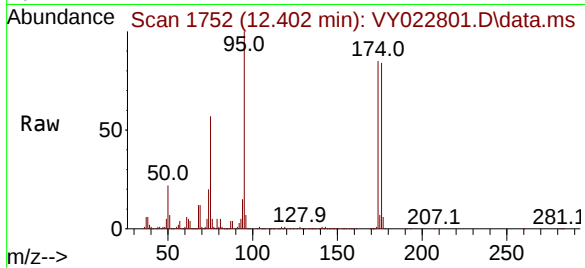




#62
4-Bromofluorobenzene
Concen: 54.004 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022801.D
Acq: 24 Jun 2025 16:39

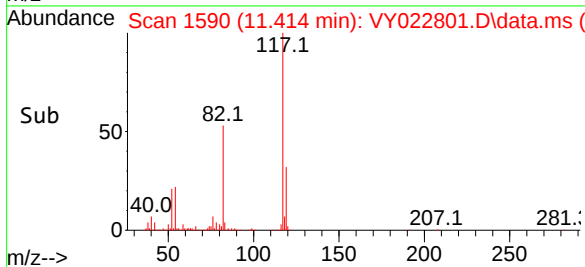
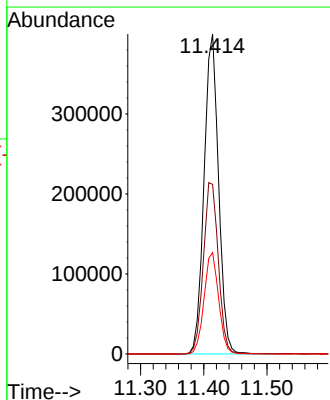
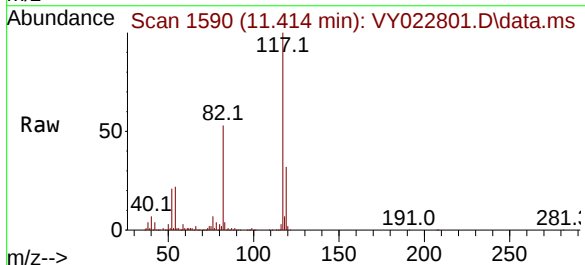
Instrument :
MSVOA_Y
ClientSampleId :
MH-K/L VOC

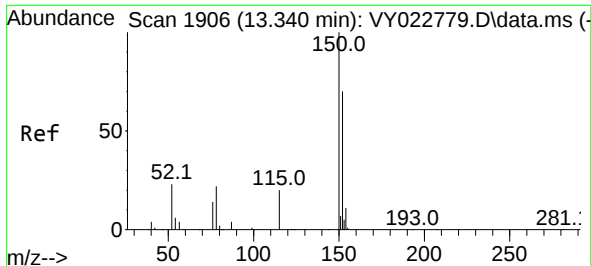
Tgt Ion: 95 Resp: 281964
Ion Ratio Lower Upper
95 100
174 86.3 0.0 170.0
176 84.1 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022801.D
Acq: 24 Jun 2025 16:39

Tgt Ion: 117 Resp: 638717
Ion Ratio Lower Upper
117 100
82 53.0 44.6 66.8
119 31.7 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: VY022801.D
 Acq: 24 Jun 2025 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-K/L VOC

Tgt Ion:152 Resp: 295413
 Ion Ratio Lower Upper
 152 100
 115 57.8 28.9 86.7
 150 156.3 0.0 349.6

