

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022393.D
 Acq On : 22 May 2025 14:09
 Operator : SY/MD
 Sample : Q2074-05
 Misc : 7.77g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-38

Quant Time: May 23 03:37:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

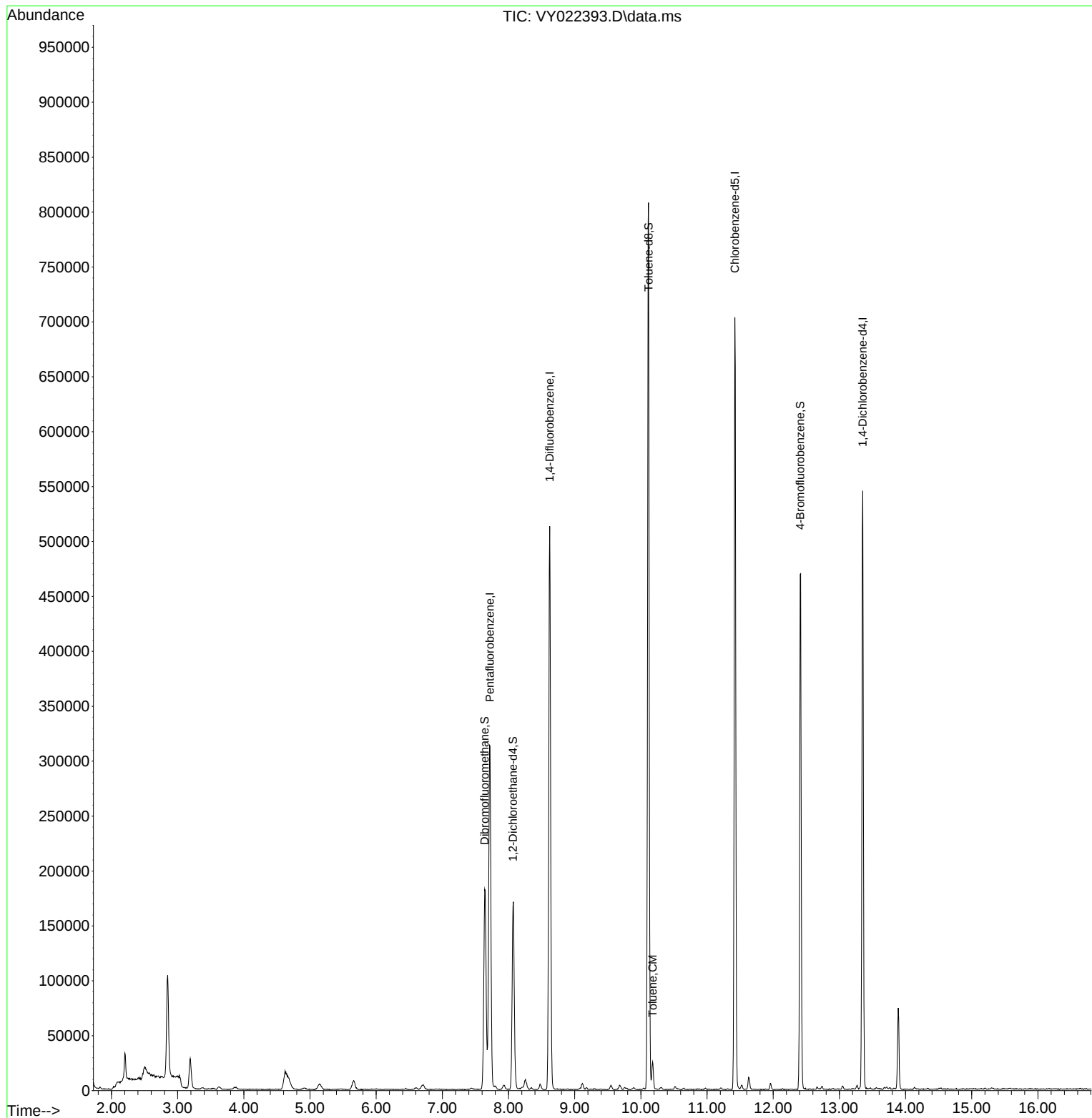
Internal Standards						
1) Pentafluorobenzene	7.720	168	242112	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	427478	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	344204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	128188	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	125709	47.508	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.020%
35) Dibromofluoromethane	7.640	113	129435	50.730	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.460%
50) Toluene-d8	10.115	98	512091	49.006	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.020%
62) 4-Bromofluorobenzene	12.408	95	131623	39.739	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.480%
Target Compounds						
52) Toluene	10.176	92	9715	1.231	ug/l	Qvalue 99

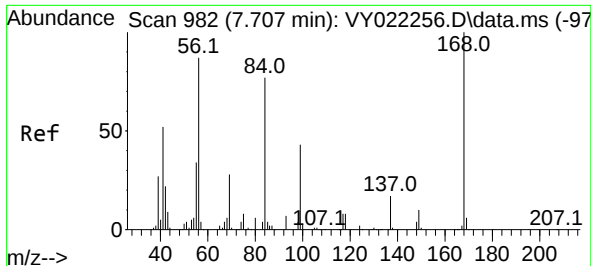
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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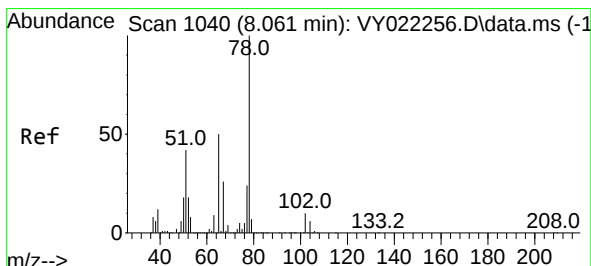
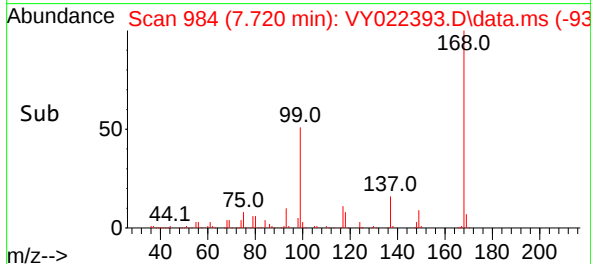
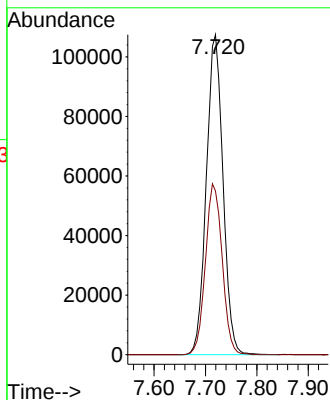
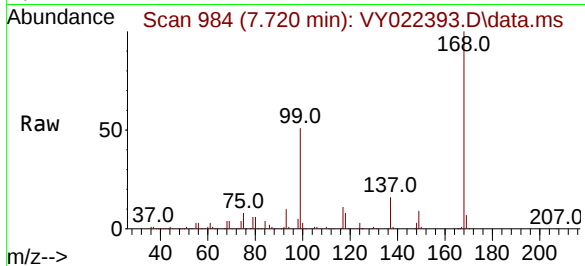




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.013 min
Lab File: VY022393.D
Acq: 22 May 2025 14:09

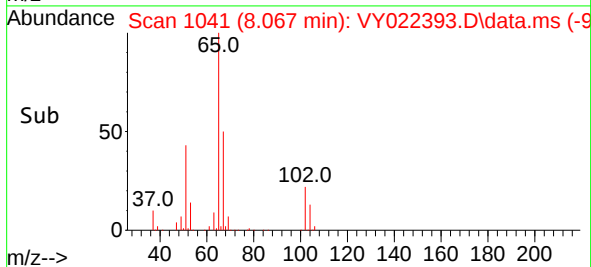
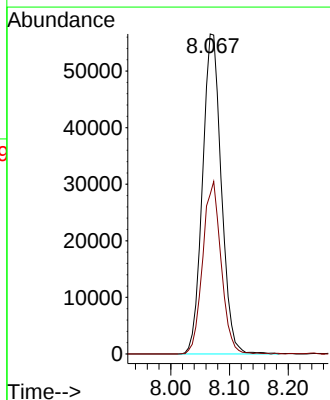
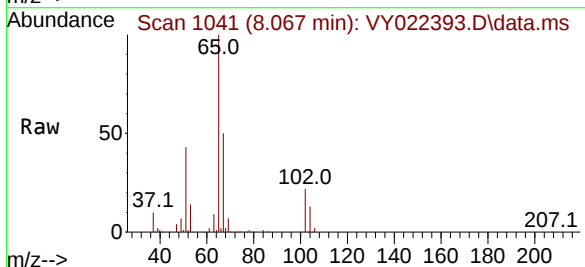
Instrument :
MSVOA_Y
ClientSampleId :
TP-38

Tgt Ion:168 Resp: 242112
Ion Ratio Lower Upper
168 100
99 51.1 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 47.508 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022393.D
Acq: 22 May 2025 14:09

Tgt Ion: 65 Resp: 125709
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY022393.D

Acq: 22 May 2025 14:09

Instrument :

MSVOA_Y

ClientSampleId :

TP-38

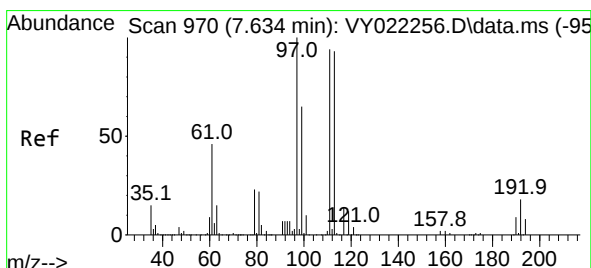
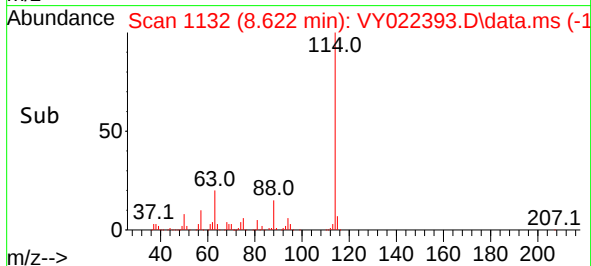
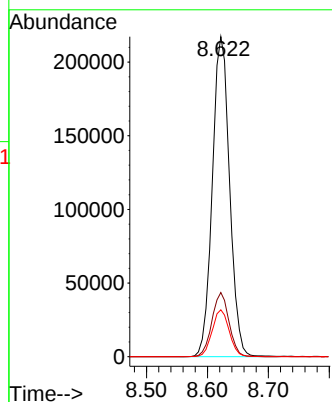
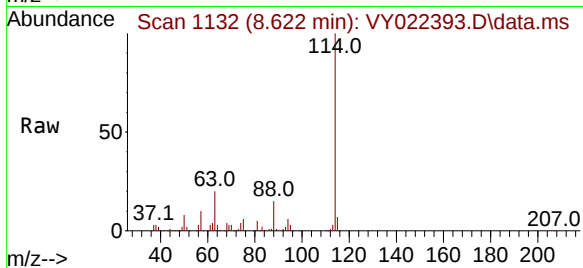
Tgt Ion:114 Resp: 427478

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.0

88 14.7 0.0 29.4



#35

Dibromofluoromethane

Concen: 50.730 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY022393.D

Acq: 22 May 2025 14:09

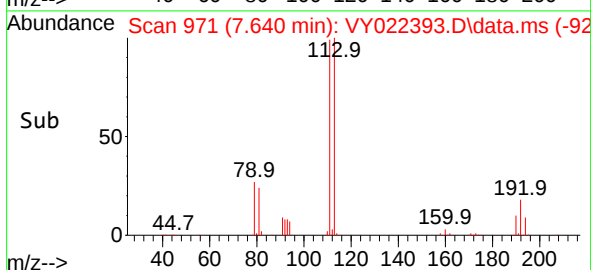
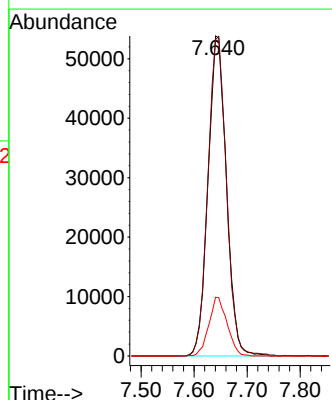
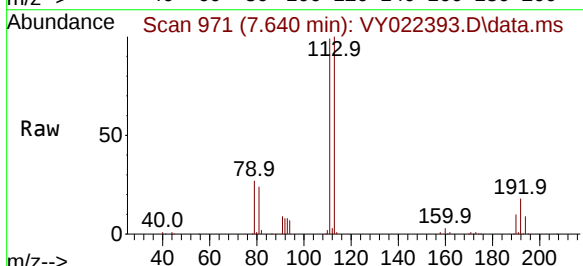
Tgt Ion:113 Resp: 129435

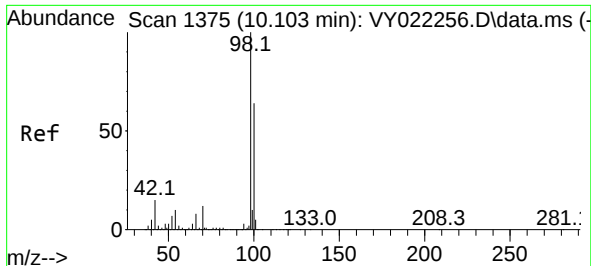
Ion Ratio Lower Upper

113 100

111 100.8 82.6 123.8

192 18.2 15.2 22.8

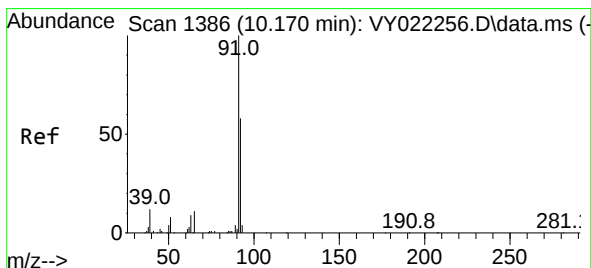
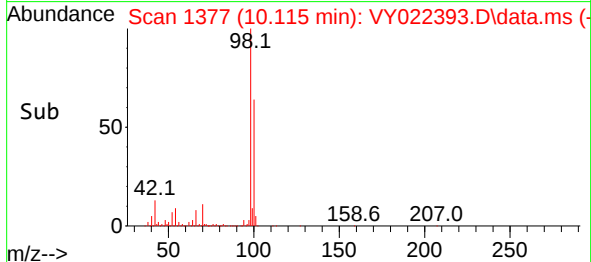
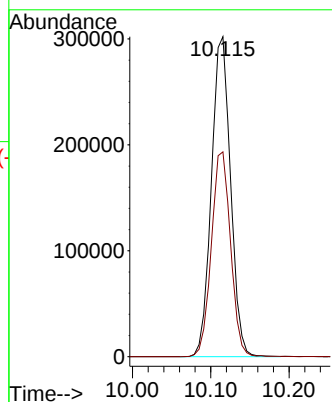
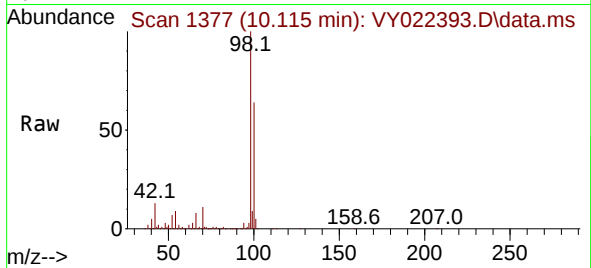




#50
Toluene-d8
Concen: 49.006 ug/l
RT: 10.115 min Scan# 1375
Delta R.T. 0.012 min
Lab File: VY022393.D
Acq: 22 May 2025 14:09

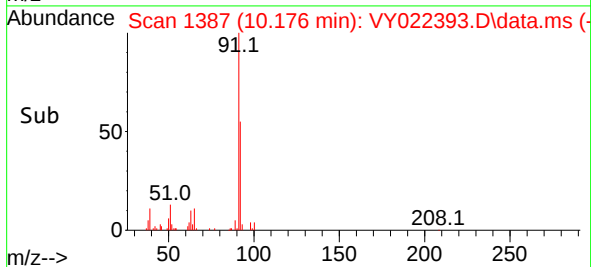
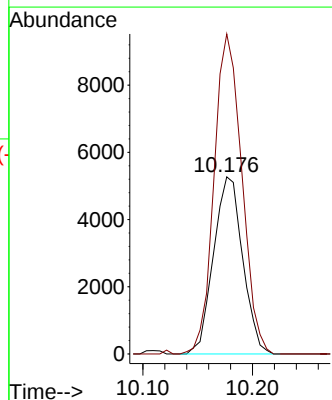
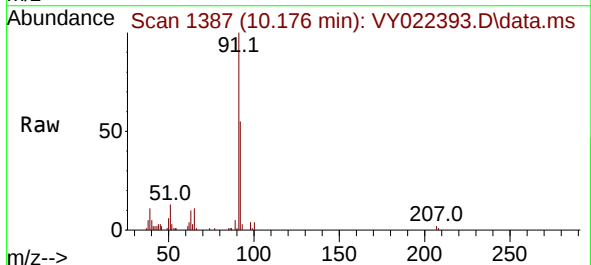
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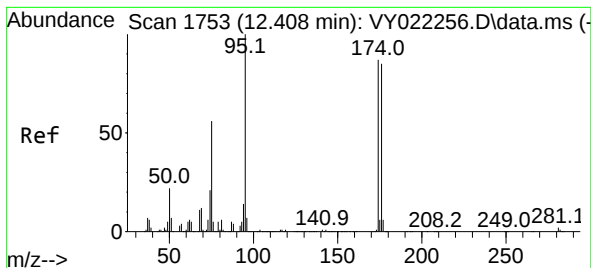
Tgt Ion: 98 Resp: 512091
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8



#52
Toluene
Concen: 1.231 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY022393.D
Acq: 22 May 2025 14:09

Tgt Ion: 92 Resp: 9715
Ion Ratio Lower Upper
92 100
91 172.5 139.1 208.7

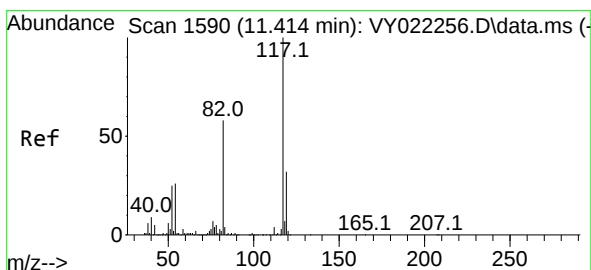
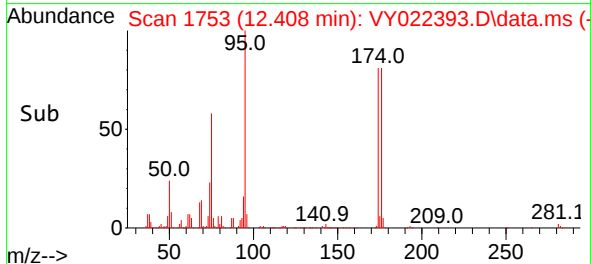
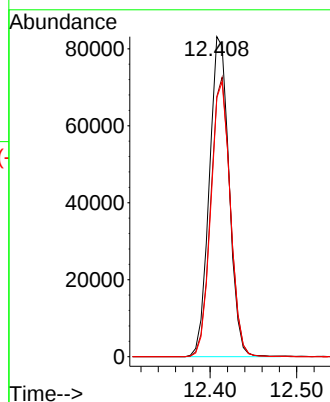
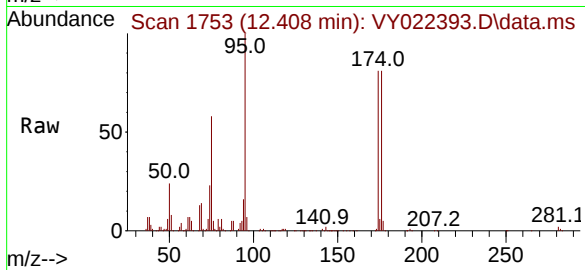




#62
4-Bromofluorobenzene
Concen: 39.739 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022393.D
Acq: 22 May 2025 14:09

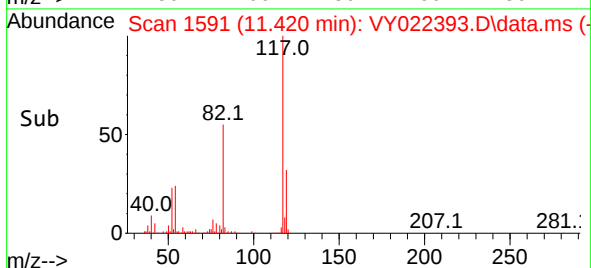
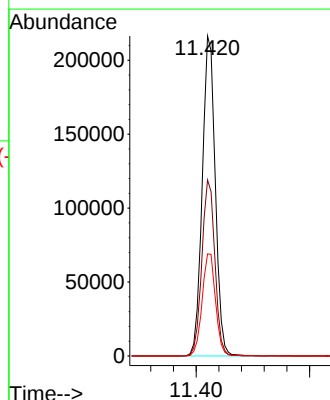
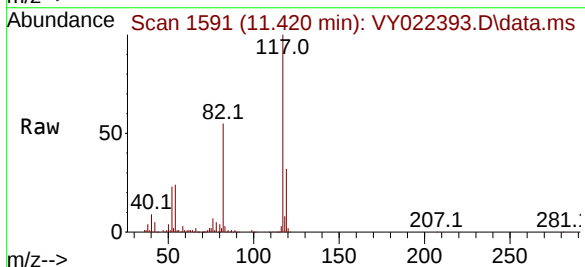
Instrument :
MSVOA_Y
ClientSampleId :
TP-38

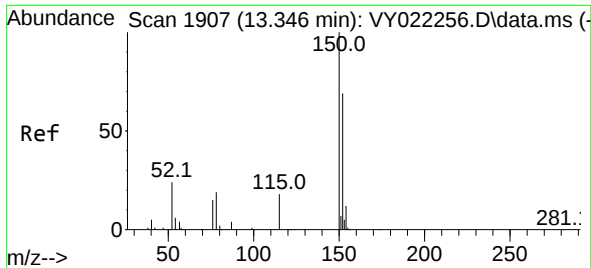
Tgt Ion: 95 Resp: 131623
Ion Ratio Lower Upper
95 100
174 86.1 0.0 166.8
176 84.5 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022393.D
Acq: 22 May 2025 14:09

Tgt Ion: 117 Resp: 344204
Ion Ratio Lower Upper
117 100
82 55.0 46.6 70.0
119 31.9 25.8 38.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1908
 Delta R.T. 0.006 min
 Lab File: VY022393.D
 Acq: 22 May 2025 14:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-38

Tgt Ion:152 Resp: 128188
 Ion Ratio Lower Upper
 152 100
 115 57.7 29.4 88.2
 150 156.9 0.0 353.8

