

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042425\
 Data File : VY021993.D
 Acq On : 24 Apr 2025 11:25
 Operator : SY/MD
 Sample : Q1867-01
 Misc : 5.63g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR200059

Quant Time: Apr 25 01:23:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

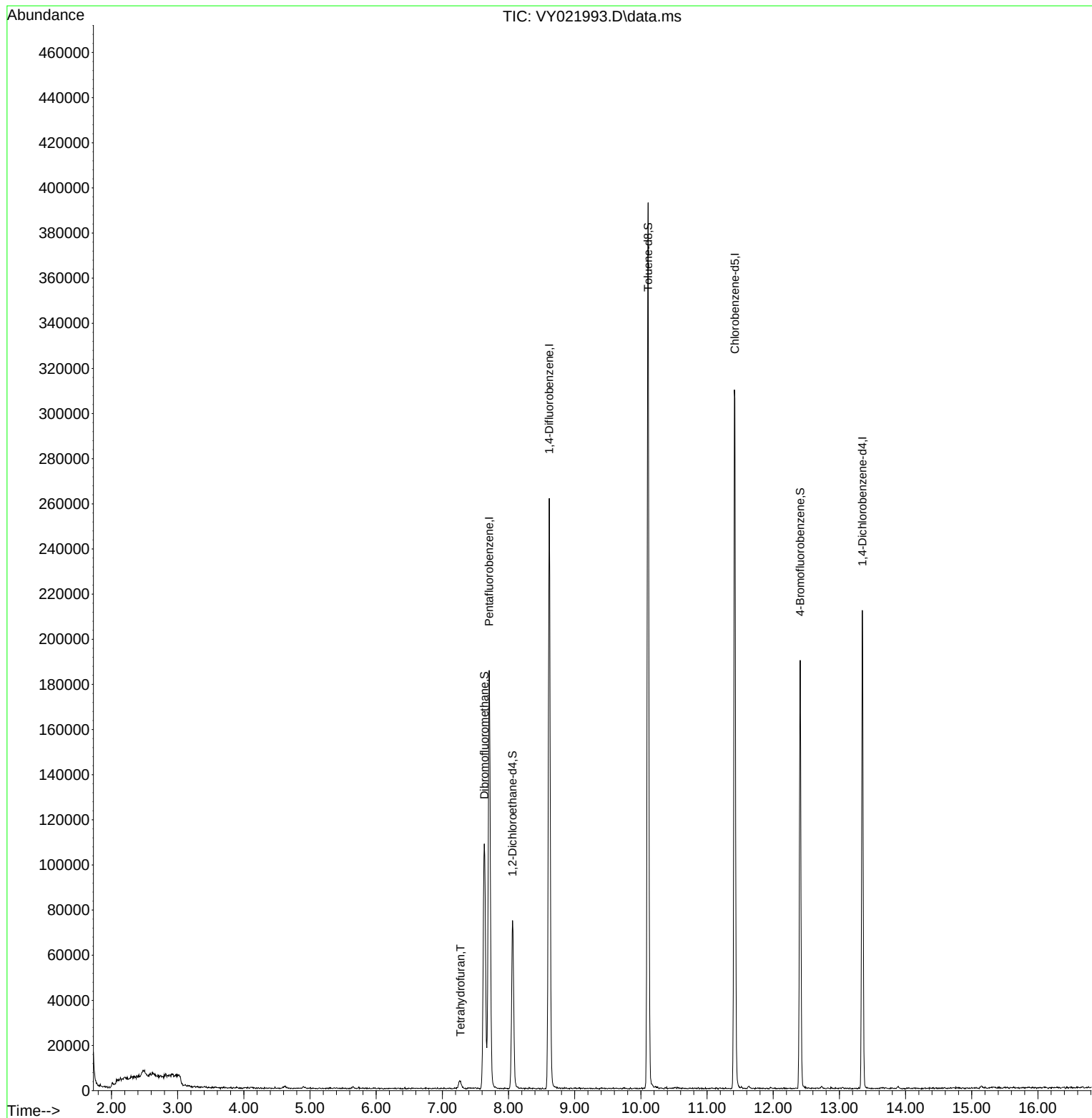
Internal Standards						
1) Pentafluorobenzene	7.707	168	144228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	226759	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	179288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	55304	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	58176	43.669	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.340%
35) Dibromofluoromethane	7.634	113	81101	54.136	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.280%
50) Toluene-d8	10.109	98	268735	47.582	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.160%
62) 4-Bromofluorobenzene	12.408	95	57345	30.161	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	60.320%
Target Compounds						Qvalue
29) Tetrahydrofuran	7.274	42	2486	12.605	ug/l	96

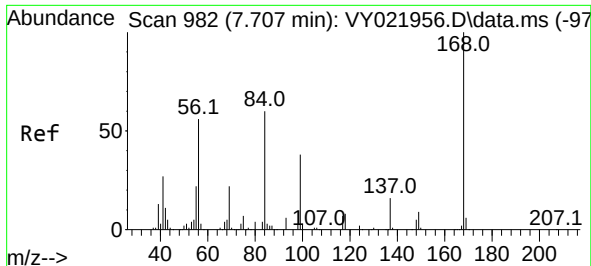
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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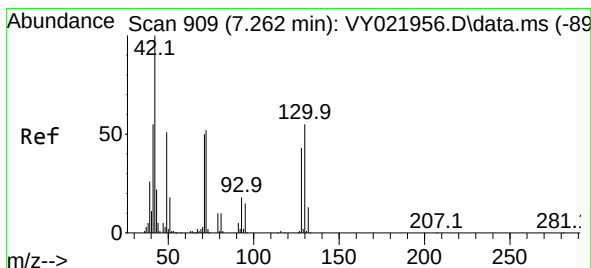
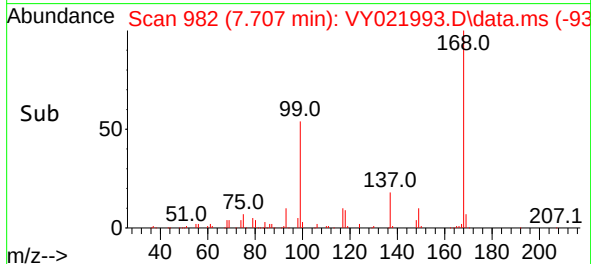
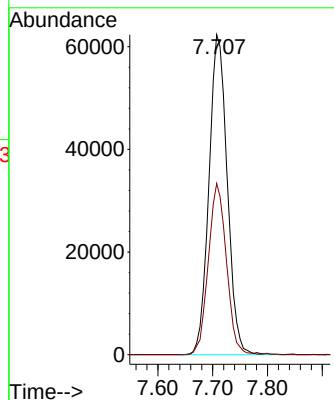
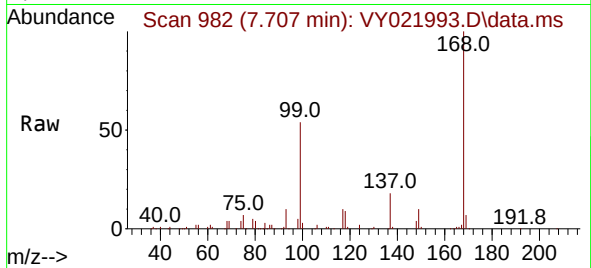




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY021993.D
Acq: 24 Apr 2025 11:25

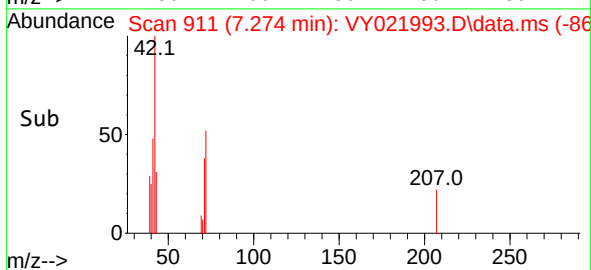
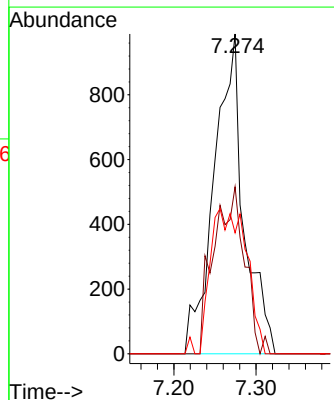
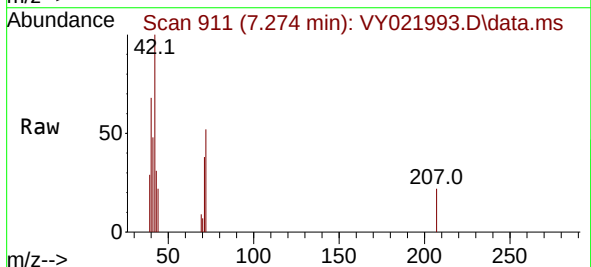
Instrument :
MSVOA_Y
ClientSampleId :
RBR200059

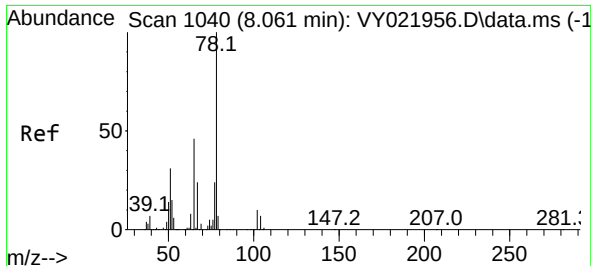
Tgt Ion:168 Resp: 144228
Ion Ratio Lower Upper
168 100
99 53.5 43.1 64.7



#29
Tetrahydrofuran
Concen: 12.605 ug/l
RT: 7.274 min Scan# 911
Delta R.T. 0.012 min
Lab File: VY021993.D
Acq: 24 Apr 2025 11:25

Tgt Ion: 42 Resp: 2486
Ion Ratio Lower Upper
42 100
72 54.3 42.6 63.8
71 55.7 40.6 61.0





#33

1,2-Dichloroethane-d4

Concen: 43.669 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY021993.D

Acq: 24 Apr 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

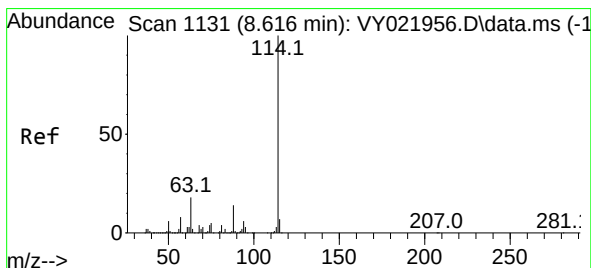
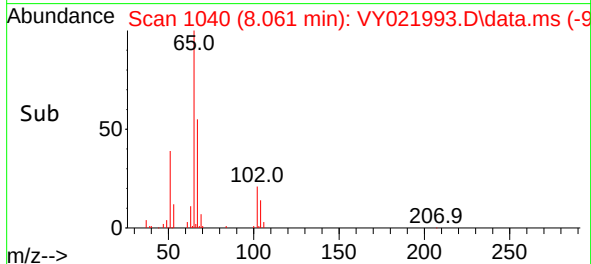
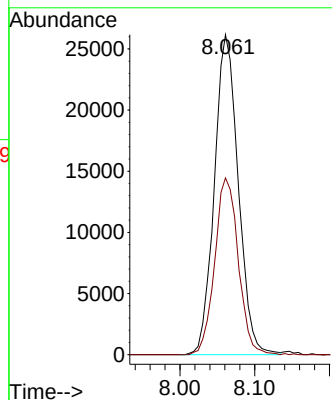
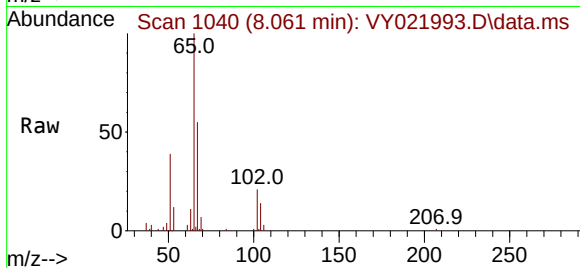
RBR200059

Tgt Ion: 65 Resp: 58176

Ion Ratio Lower Upper

65 100

67 54.4 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021993.D

Acq: 24 Apr 2025 11:25

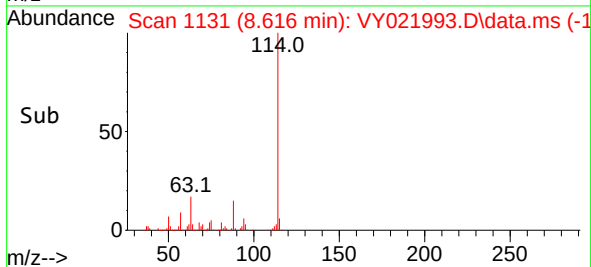
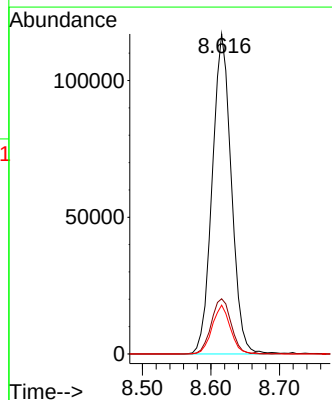
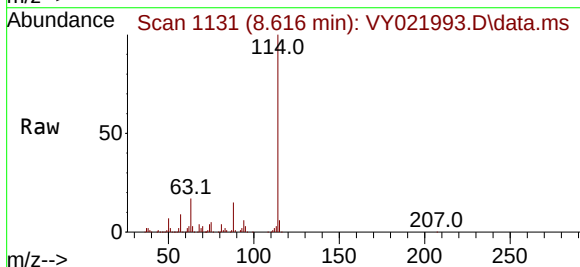
Tgt Ion: 114 Resp: 226759

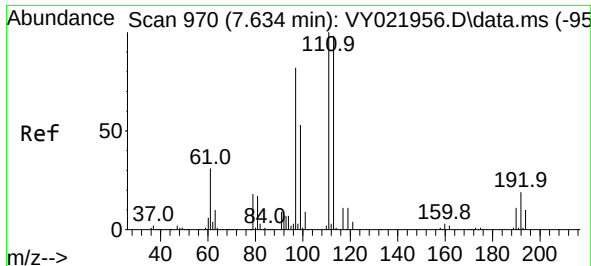
Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.4

88 15.2 0.0 28.2

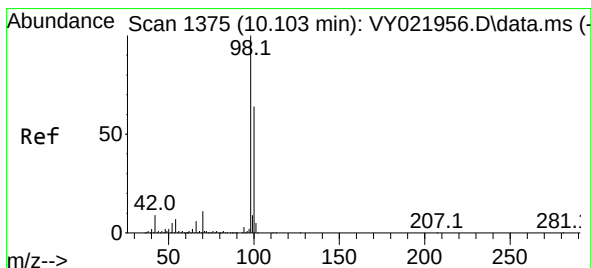
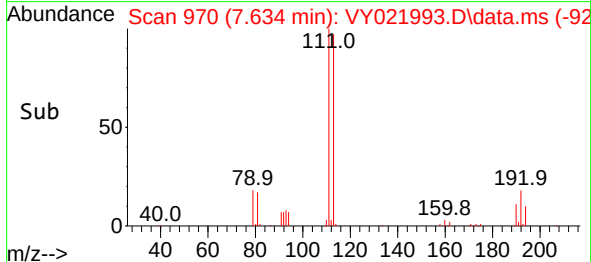
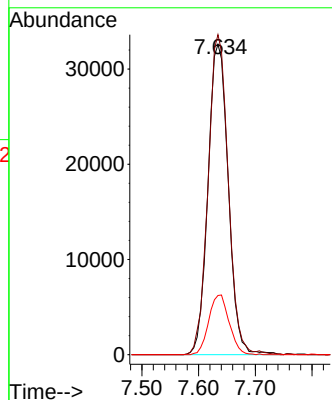
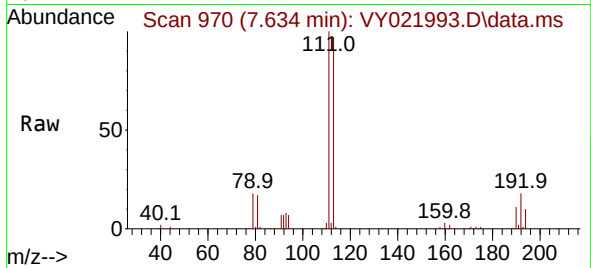




#35
Dibromofluoromethane
Concen: 54.136 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021993.D
Acq: 24 Apr 2025 11:25

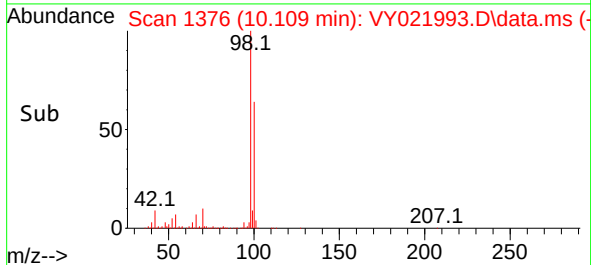
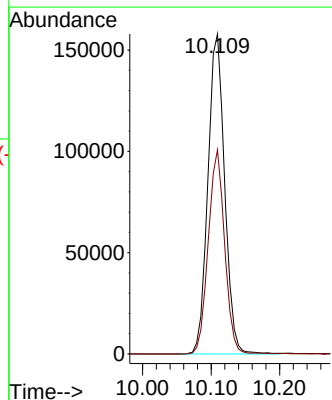
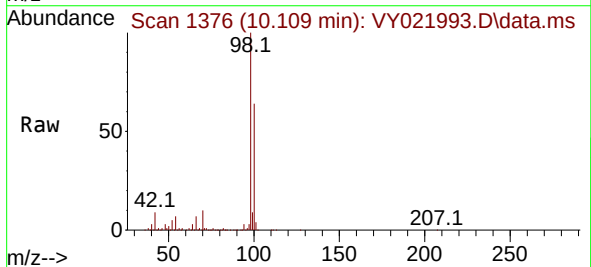
Instrument :
MSVOA_Y
ClientSampleId :
RBR200059

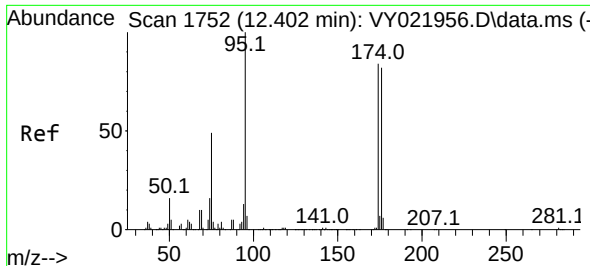
Tgt Ion:113 Resp: 81101
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.8
192 19.3 15.6 23.4



#50
Toluene-d8
Concen: 47.582 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021993.D
Acq: 24 Apr 2025 11:25

Tgt Ion: 98 Resp: 268735
Ion Ratio Lower Upper
98 100
100 62.4 51.6 77.4

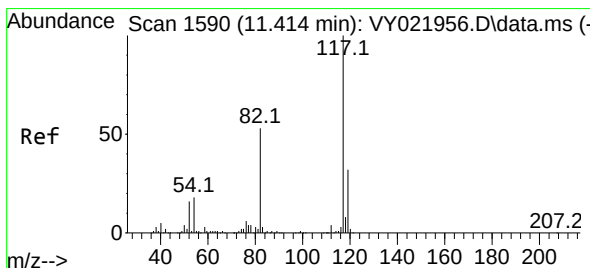
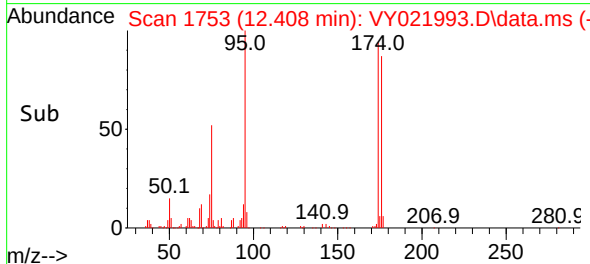
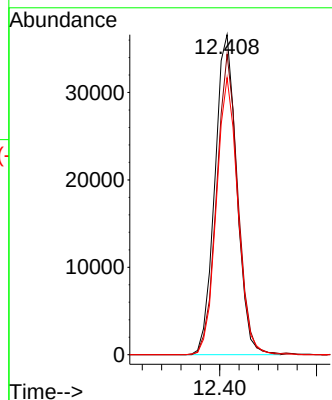
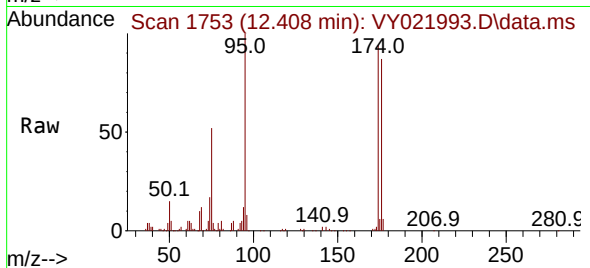




#62
4-Bromofluorobenzene
Concen: 30.161 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021993.D
Acq: 24 Apr 2025 11:25

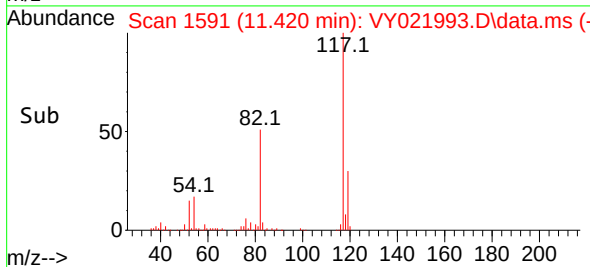
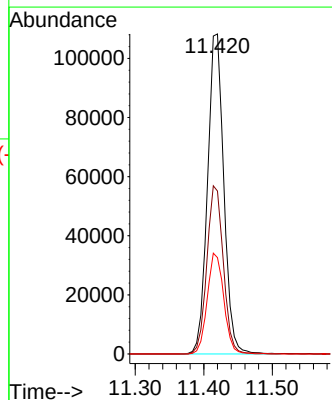
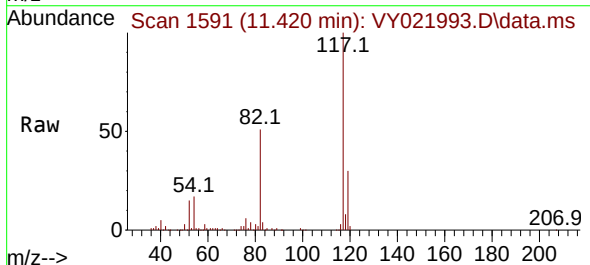
Instrument :
MSVOA_Y
ClientSampleId :
RBR200059

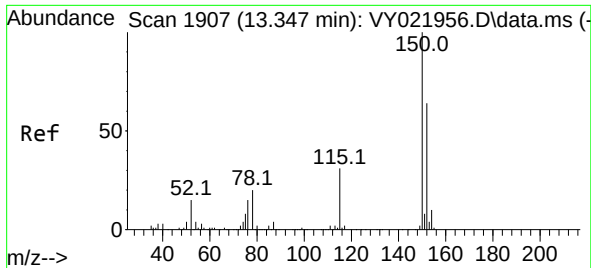
Tgt Ion: 95 Resp: 57345
Ion Ratio Lower Upper
95 100
174 91.6 0.0 179.0
176 85.4 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY021993.D
Acq: 24 Apr 2025 11:25

Tgt Ion: 117 Resp: 179288
Ion Ratio Lower Upper
117 100
82 50.9 42.1 63.1
119 30.1 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY021993.D

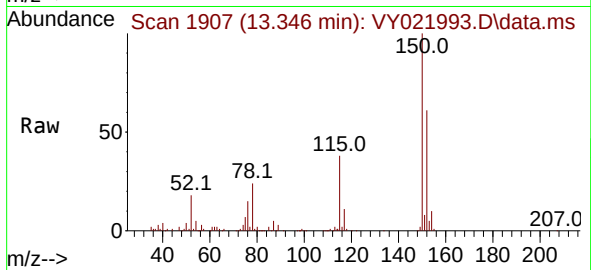
Acq: 24 Apr 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

RBR200059



Tgt Ion:152 Resp: 55304

Ion Ratio Lower Upper

152 100

115 55.4 28.0 84.0

150 159.4 0.0 345.6

