

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
 Data File : VY022099.D
 Acq On : 01 May 2025 11:54
 Operator : SY/MD
 Sample : Q1920-01
 Misc : 5.57g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 291

Quant Time: May 01 12:57:07 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	7.713	168	320594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	604949	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	533325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	194274	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	161584	54.566	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.140%
35) Dibromofluoromethane	7.634	113	204419	51.148	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.300%
50) Toluene-d8	10.109	98	714174	47.399	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.800%
62) 4-Bromofluorobenzene	12.408	95	196937	38.826	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.660%

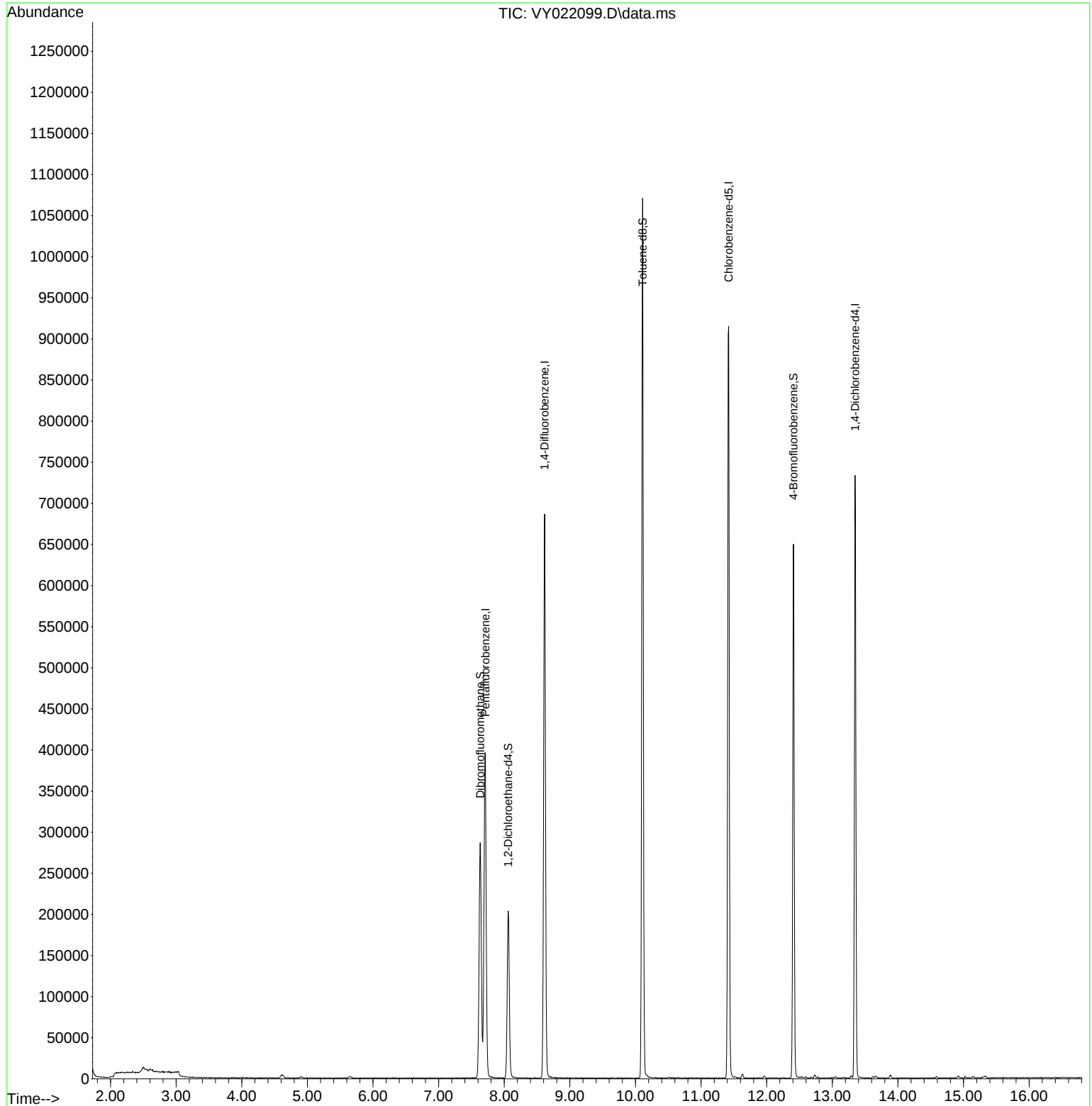
Target Compounds	Qvalue

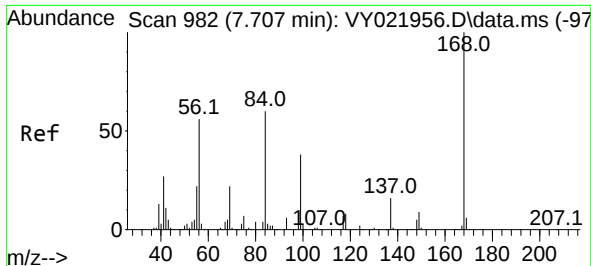
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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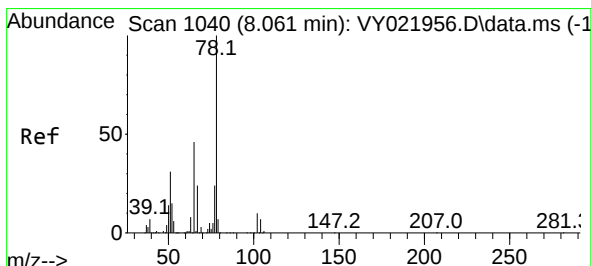
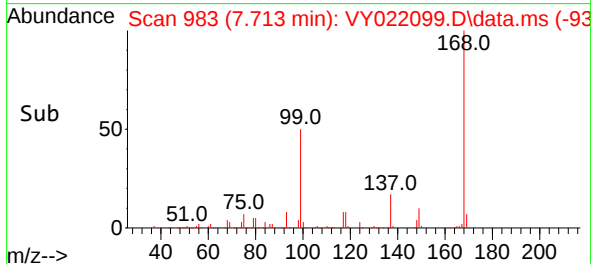
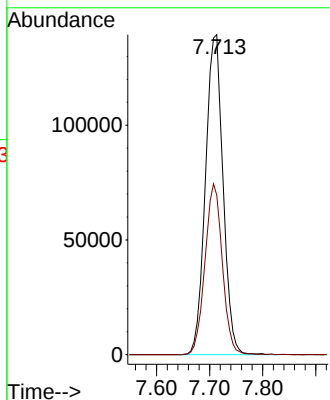
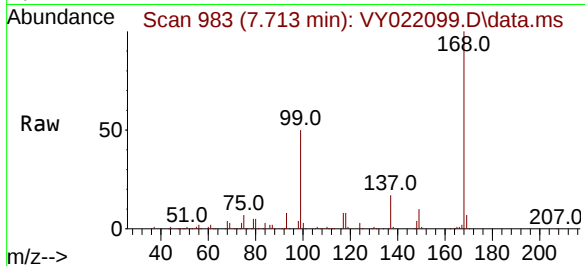




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY022099.D
Acq: 01 May 2025 11:54

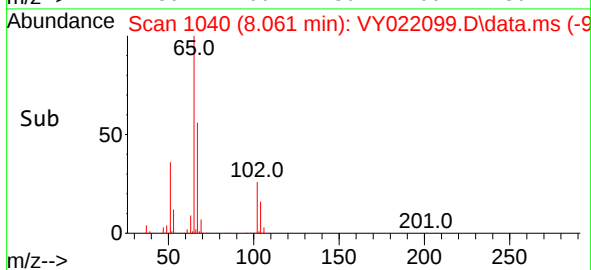
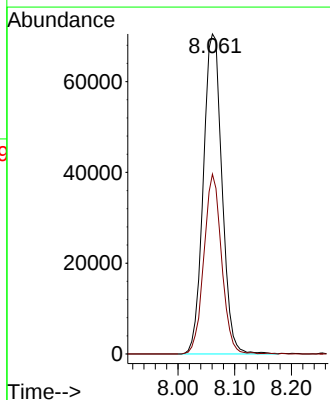
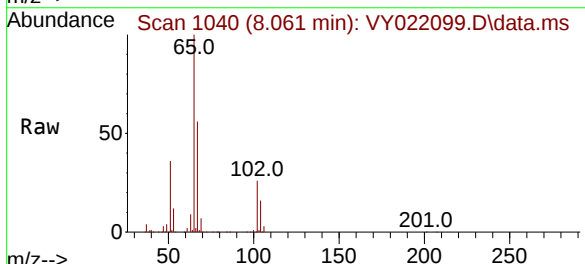
Instrument :
MSVOA_Y
ClientSampleId :
291

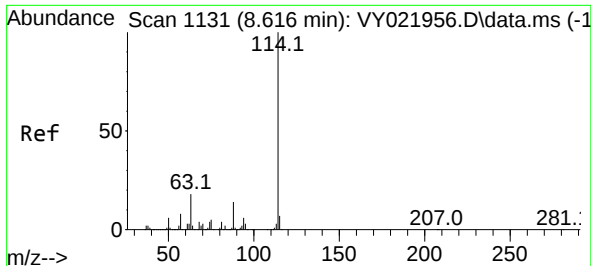
Tgt Ion:168 Resp: 320594
Ion Ratio Lower Upper
168 100
99 49.9 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 54.566 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022099.D
Acq: 01 May 2025 11:54

Tgt Ion: 65 Resp: 161584
Ion Ratio Lower Upper
65 100
67 53.2 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: VY022099.D

Acq: 01 May 2025 11:54

Instrument :

MSVOA_Y

ClientSampleId :

291

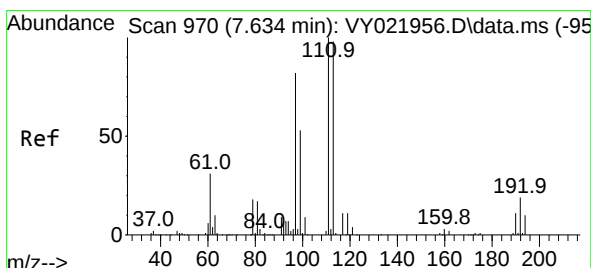
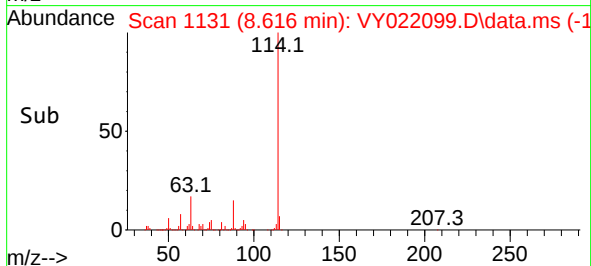
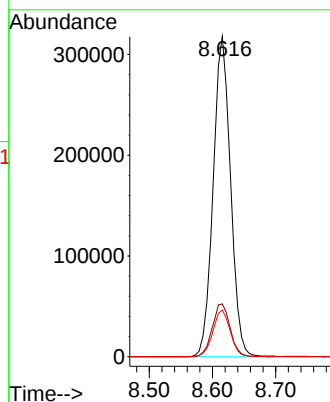
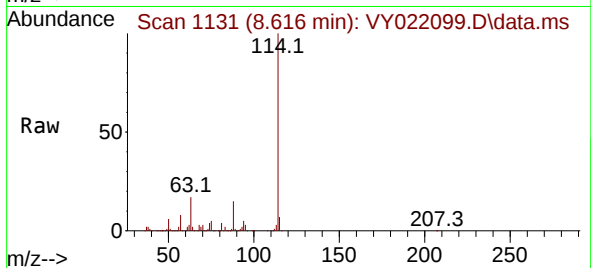
Tgt Ion:114 Resp: 604949

Ion Ratio Lower Upper

114 100

63 16.5 0.0 35.4

88 14.6 0.0 28.2



#35

Dibromofluoromethane

Concen: 51.148 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022099.D

Acq: 01 May 2025 11:54

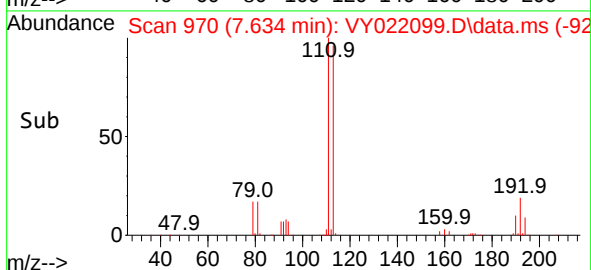
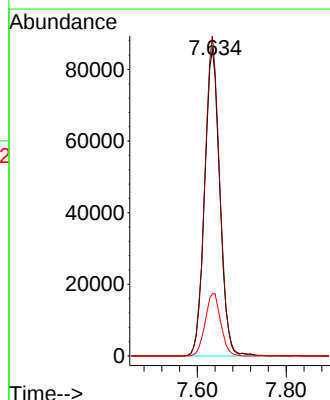
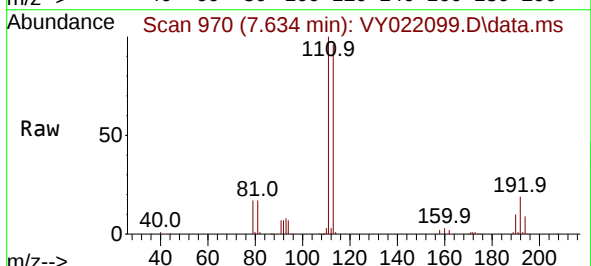
Tgt Ion:113 Resp: 204419

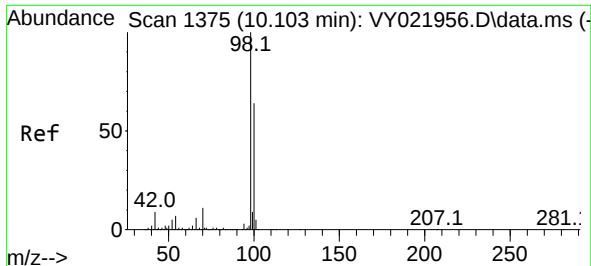
Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.8

192 20.8 15.6 23.4

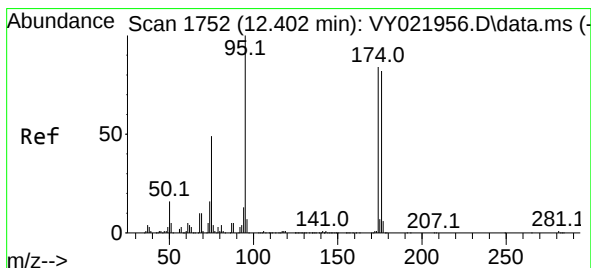
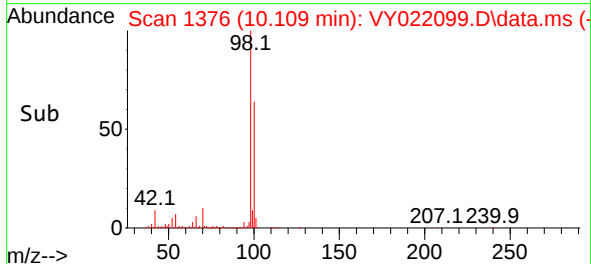
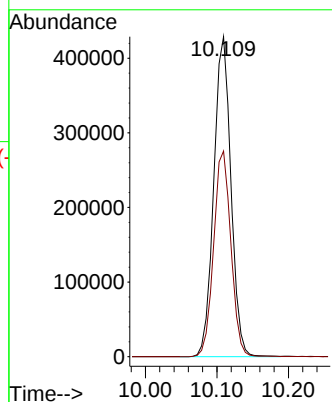
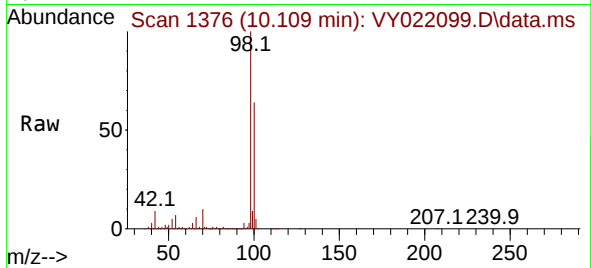




#50
Toluene-d8
Concen: 47.399 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022099.D
Acq: 01 May 2025 11:54

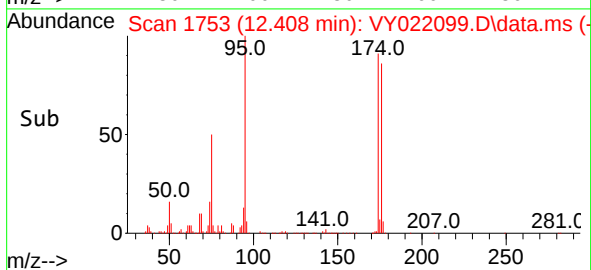
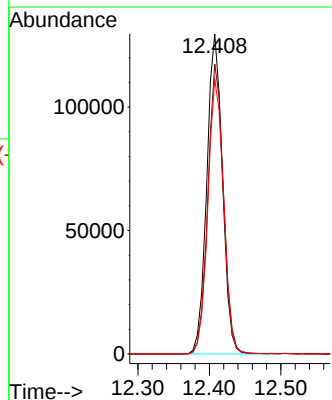
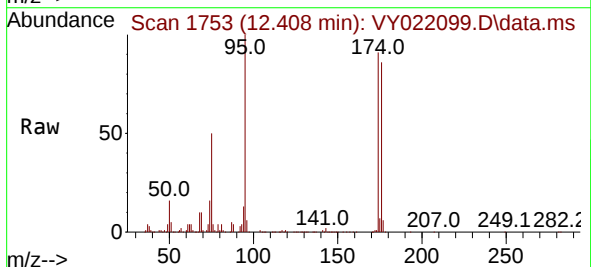
Instrument :
MSVOA_Y
ClientSampleId :
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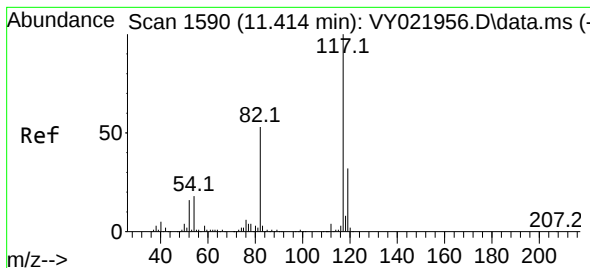
Tgt Ion: 98 Resp: 714174
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 38.826 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022099.D
Acq: 01 May 2025 11:54

Tgt Ion: 95 Resp: 196937
Ion Ratio Lower Upper
95 100
174 91.0 0.0 179.0
176 86.6 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022099.D

Acq: 01 May 2025 11:54

Instrument :

MSVOA_Y

ClientSampleId :

291

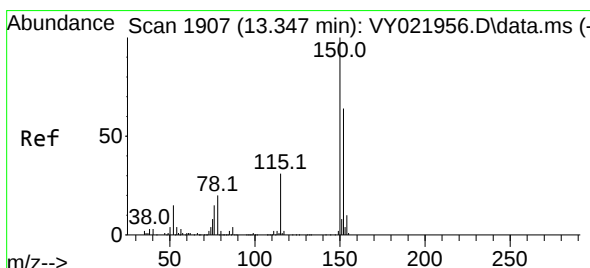
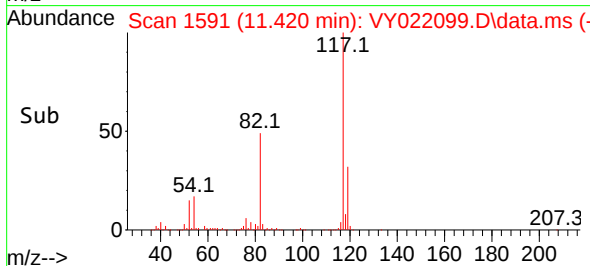
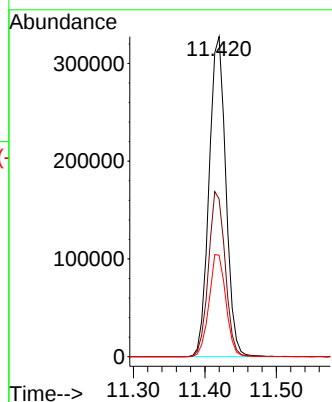
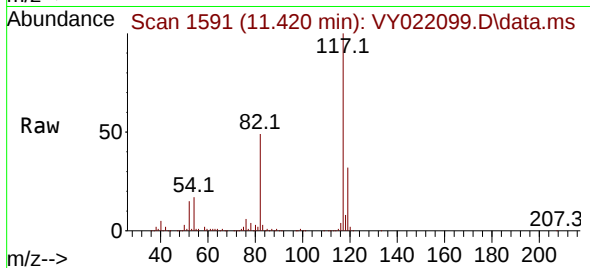
Tgt Ion:117 Resp: 533325

Ion Ratio Lower Upper

117 100

82 49.3 42.1 63.1

119 31.7 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: VY022099.D

Acq: 01 May 2025 11:54

Tgt Ion:152 Resp: 194274

Ion Ratio Lower Upper

152 100

115 55.8 28.0 84.0

150 159.7 0.0 345.6

