

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021425\
 Data File : VY021203.D
 Acq On : 14 Feb 2025 11:53
 Operator : SY/MD
 Sample : Q1365-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-214

Quant Time: Feb 14 22:17:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	121656	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	226722	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	205938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	77085	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	71583	57.429	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.860%
35) Dibromofluoromethane	7.640	113	75166	51.732	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.460%
50) Toluene-d8	10.109	98	274994	49.713	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.420%
62) 4-Bromofluorobenzene	12.414	95	83695	46.313	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.620%

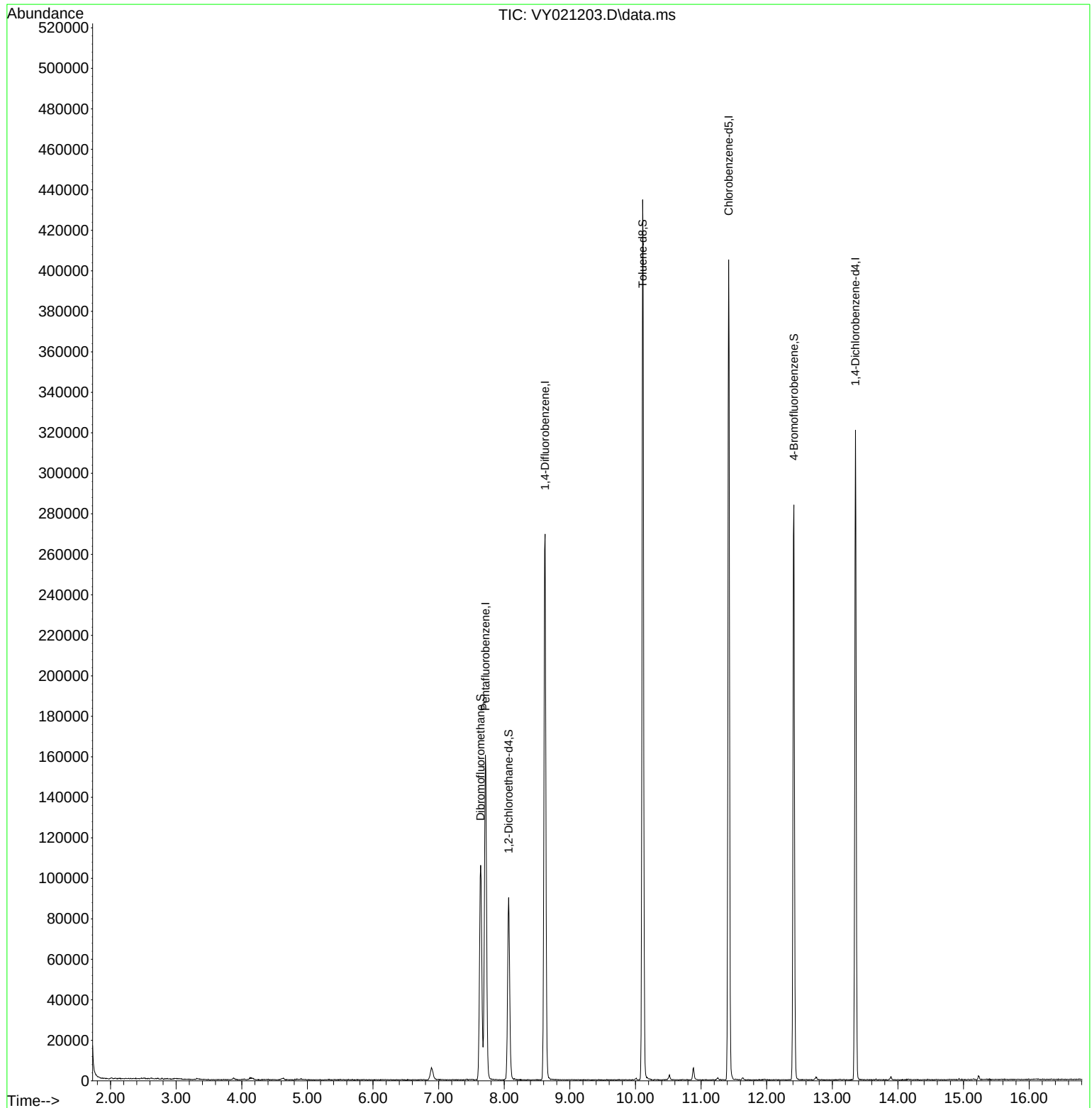
Target Compounds	Qvalue

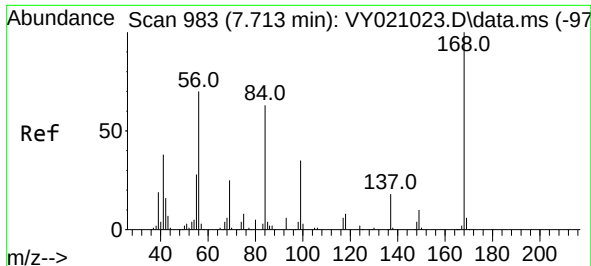
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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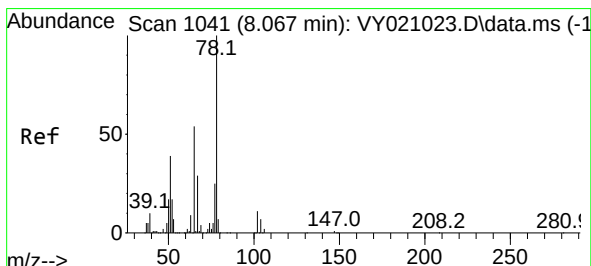
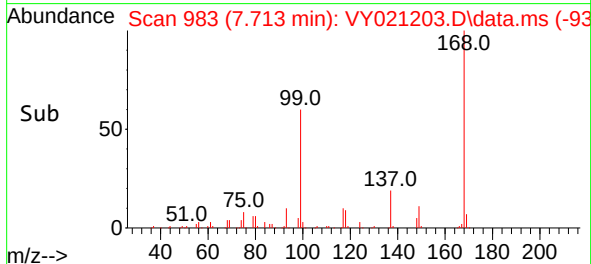
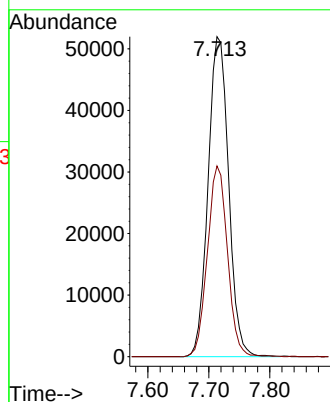
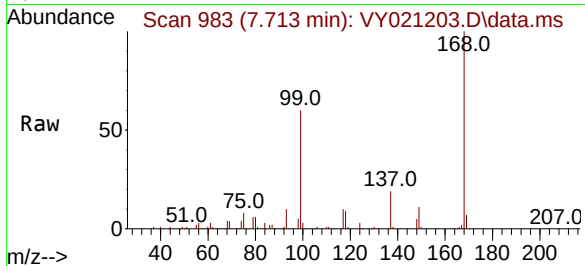




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021203.D
Acq: 14 Feb 2025 11:53

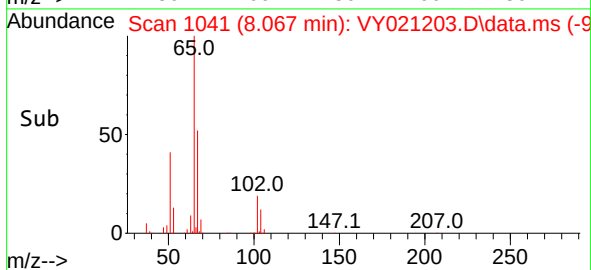
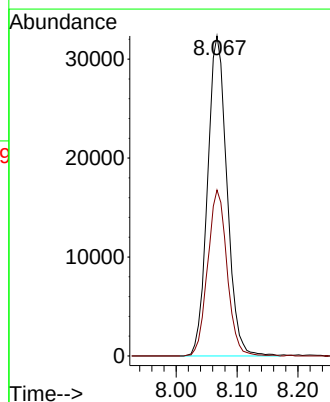
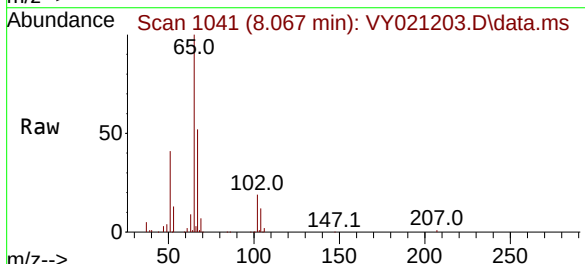
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-214

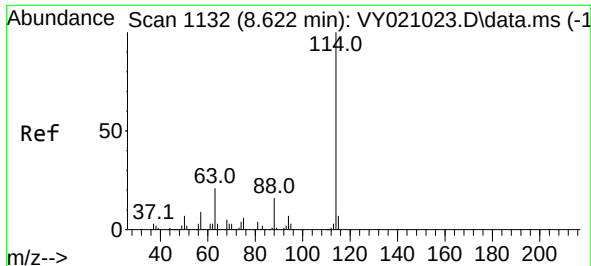
Tgt Ion:168 Resp: 121656
Ion Ratio Lower Upper
168 100
99 59.6 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 57.429 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY021203.D
Acq: 14 Feb 2025 11:53

Tgt Ion: 65 Resp: 71583
Ion Ratio Lower Upper
65 100
67 51.8 0.0 109.0

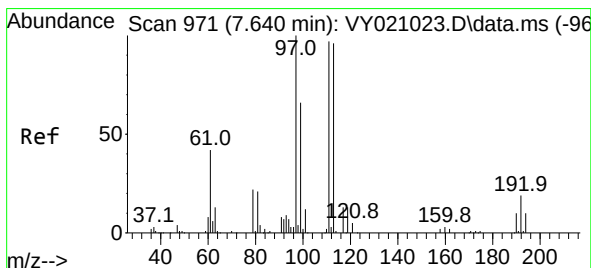
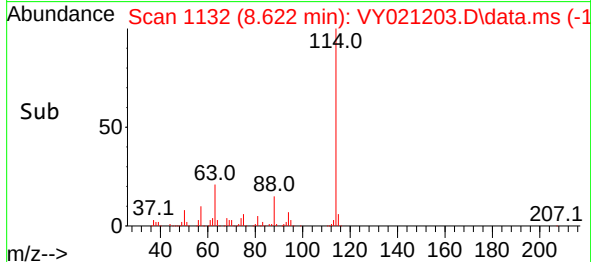
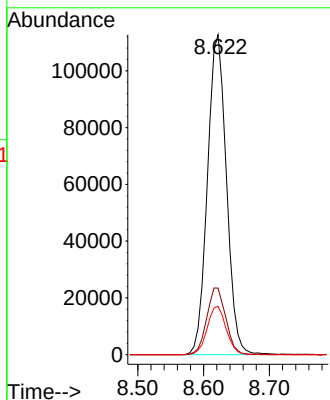
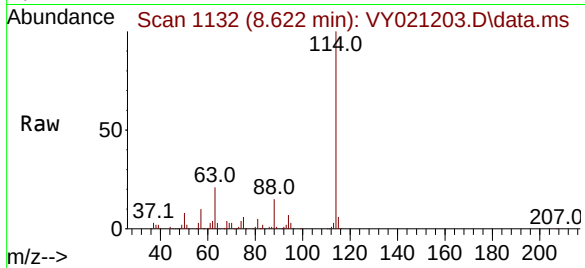




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY021203.D
Acq: 14 Feb 2025 11:53

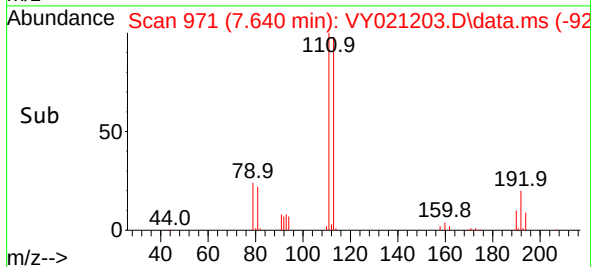
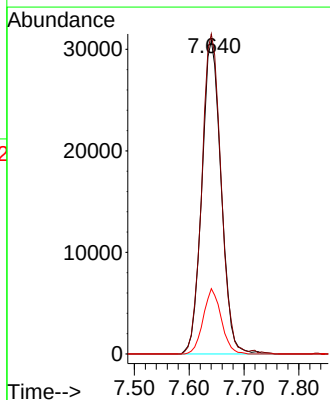
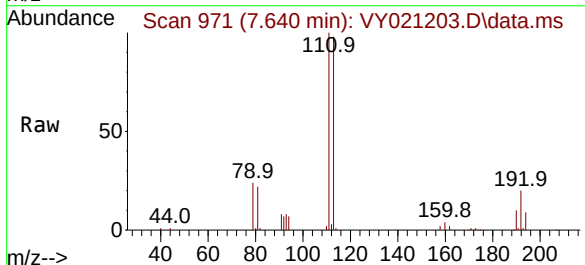
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-214

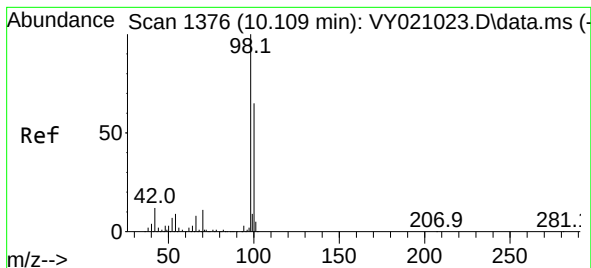
Tgt Ion:114 Resp: 226722
Ion Ratio Lower Upper
114 100
63 20.8 0.0 37.4
88 15.1 0.0 29.0



#35
Dibromofluoromethane
Concen: 51.732 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY021203.D
Acq: 14 Feb 2025 11:53

Tgt Ion:113 Resp: 75166
Ion Ratio Lower Upper
113 100
111 101.7 83.8 125.6
192 19.5 14.5 21.7





#50

Toluene-d8

Concen: 49.713 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021203.D

Acq: 14 Feb 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

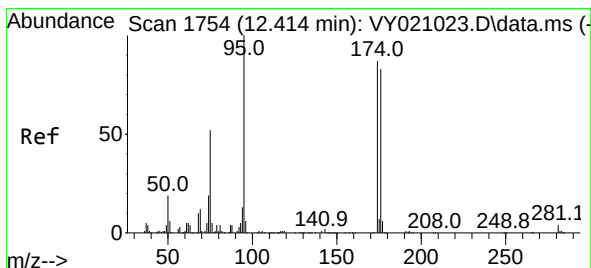
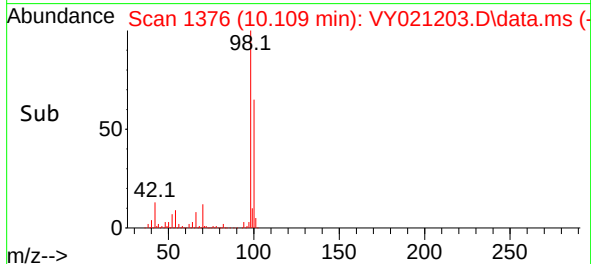
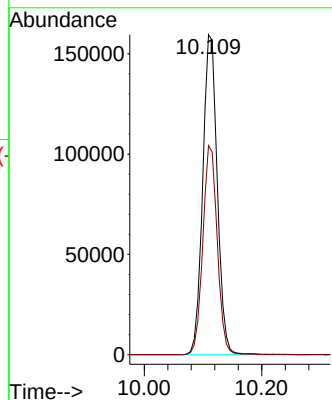
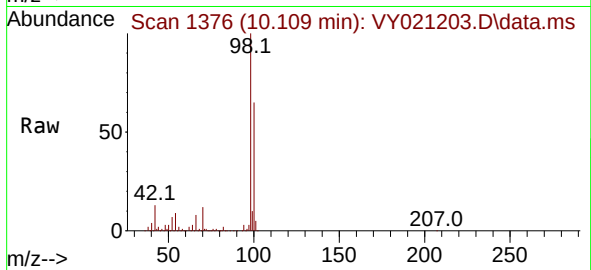
VNJ-214

Tgt Ion: 98 Resp: 274994

Ion Ratio Lower Upper

98 100

100 64.7 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 46.313 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. 0.000 min

Lab File: VY021203.D

Acq: 14 Feb 2025 11:53

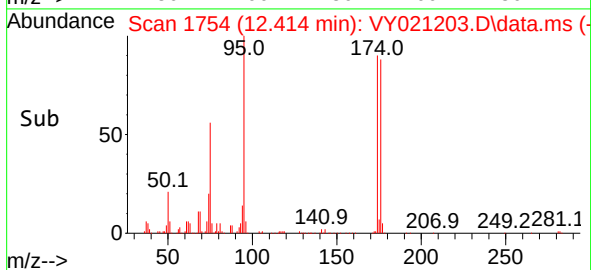
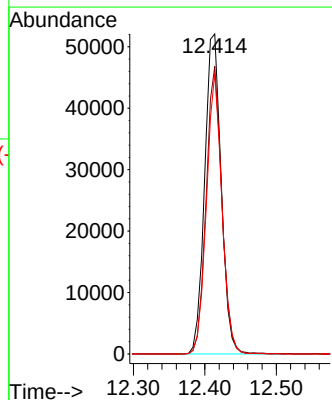
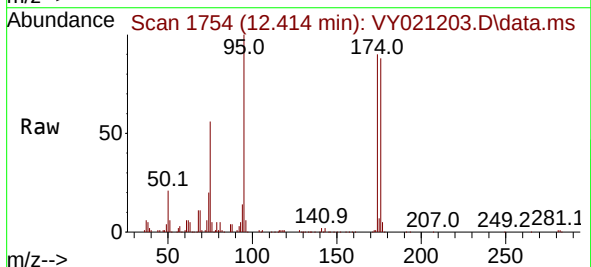
Tgt Ion: 95 Resp: 83695

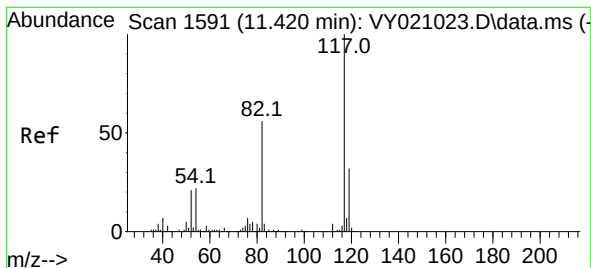
Ion Ratio Lower Upper

95 100

174 85.4 0.0 160.0

176 82.1 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021203.D

Acq: 14 Feb 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-214

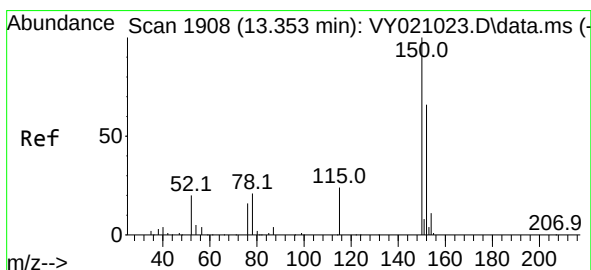
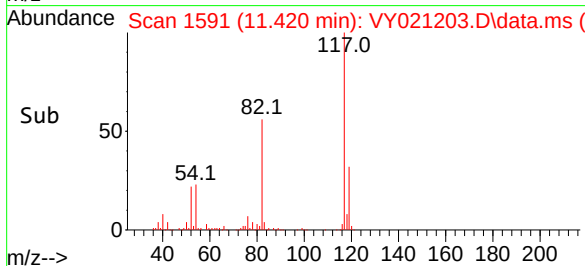
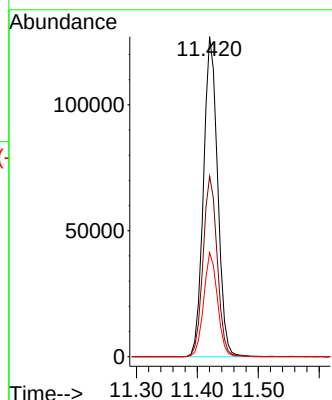
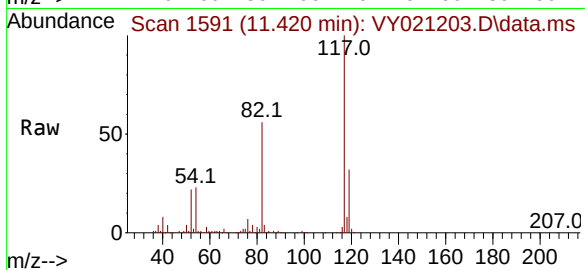
Tgt Ion:117 Resp: 205938

Ion Ratio Lower Upper

117 100

82 56.4 43.8 65.8

119 32.5 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY021203.D

Acq: 14 Feb 2025 11:53

Tgt Ion:152 Resp: 77085

Ion Ratio Lower Upper

152 100

115 59.0 30.0 90.0

150 159.8 0.0 344.6

