

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022213.D
 Acq On : 12 May 2025 10:54
 Operator : SY/MD
 Sample : Q1976-01RE
 Misc : 5.57g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-207RE

Quant Time: May 12 11:55:37 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	5387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	6813	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	5518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	3209	64.491	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	128.980%
35) Dibromofluoromethane	7.634	113	2471	54.899	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.800%
50) Toluene-d8	10.109	98	7320	43.138	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.280%
62) 4-Bromofluorobenzene	12.407	95	1470	25.733	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	51.460%

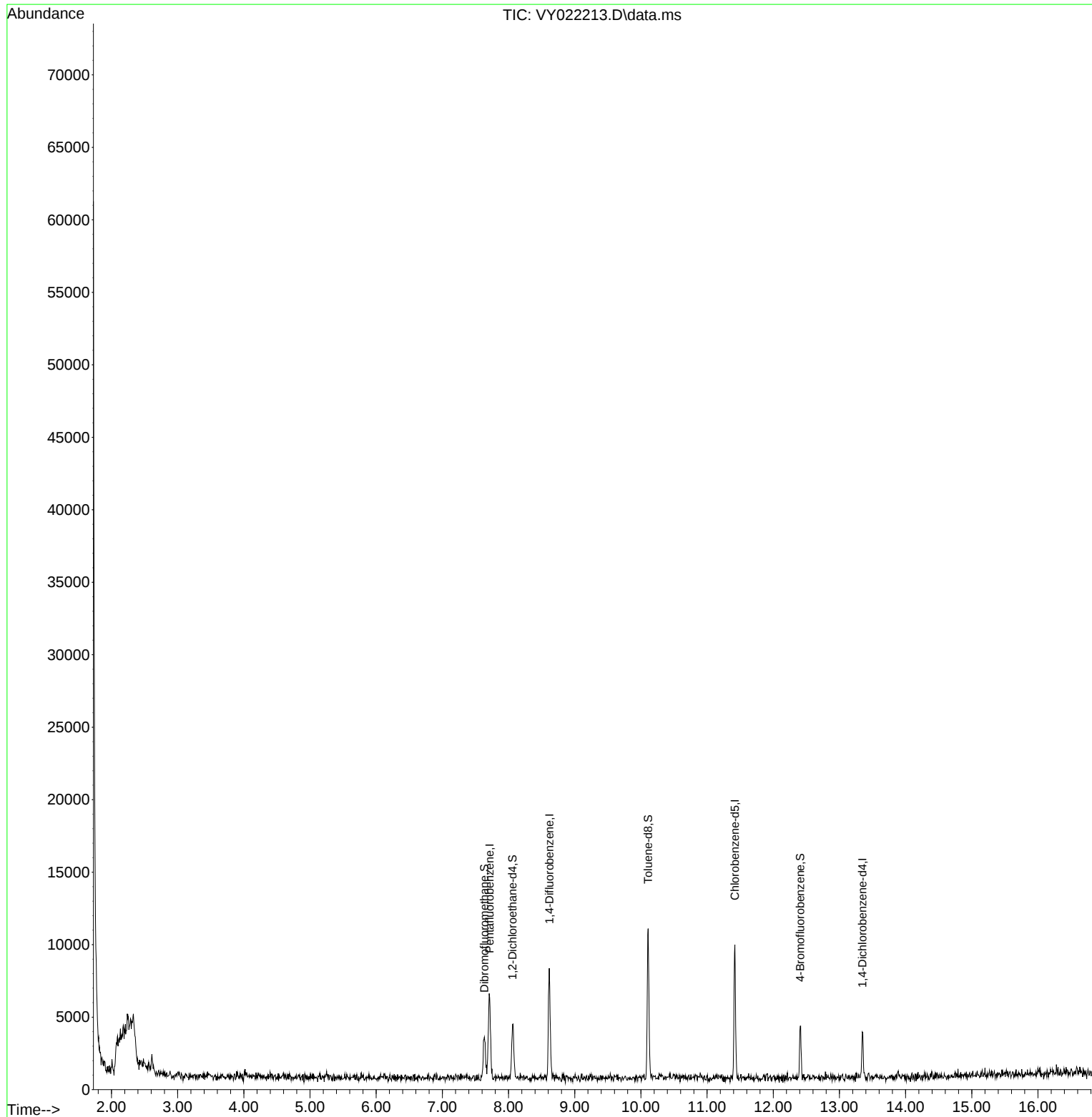
Target Compounds	Qvalue

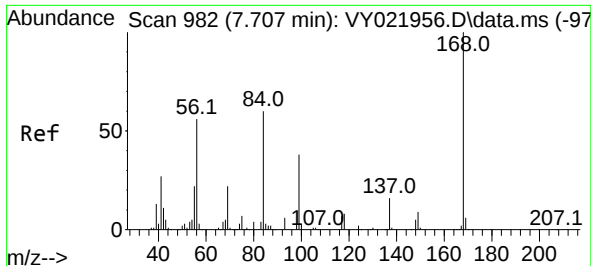
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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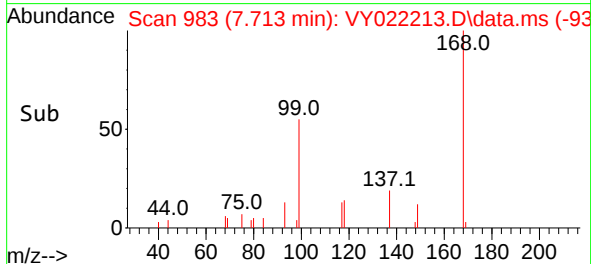
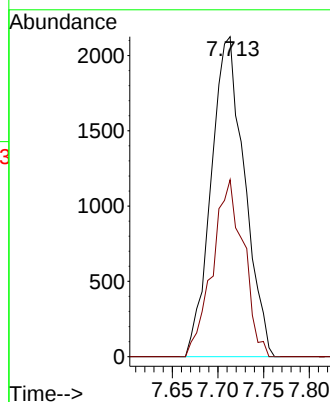
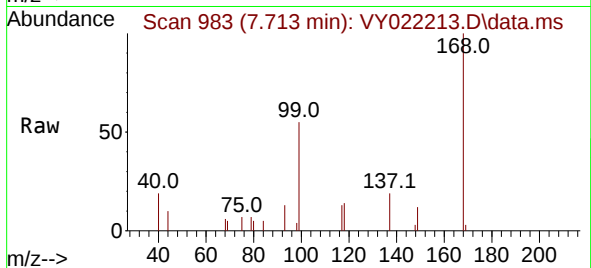




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022213.D
Acq: 12 May 2025 10:54

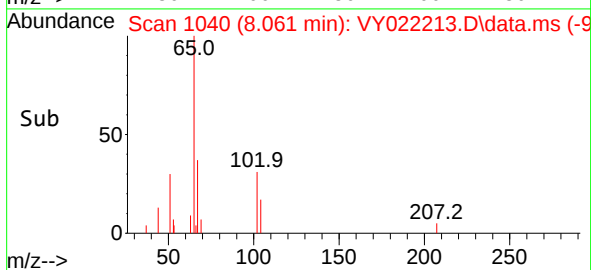
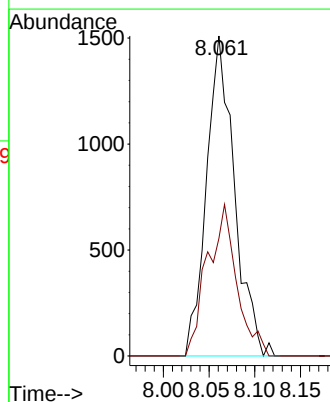
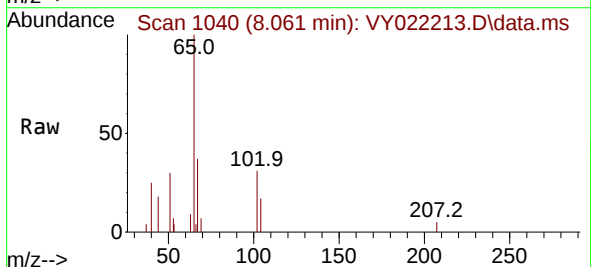
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-207RE

Tgt Ion:168 Resp: 5387
Ion Ratio Lower Upper
168 100
99 55.3 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 64.491 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022213.D
Acq: 12 May 2025 10:54

Tgt Ion: 65 Resp: 3209
Ion Ratio Lower Upper
65 100
67 50.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022213.D

Acq: 12 May 2025 10:54

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-207RE

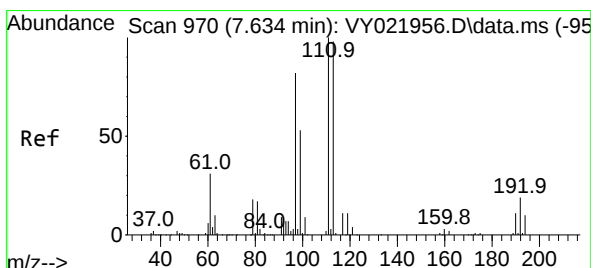
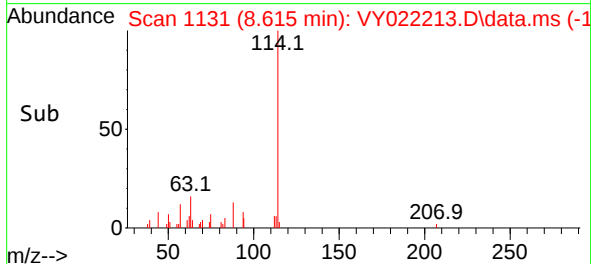
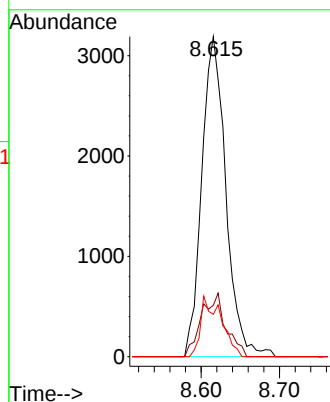
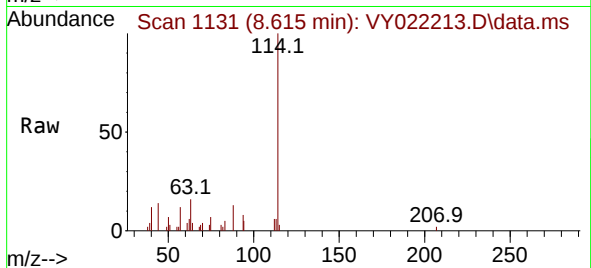
Tgt Ion:114 Resp: 6813

Ion Ratio Lower Upper

114 100

63 16.1 0.0 35.4

88 13.2 0.0 28.2



#35

Dibromofluoromethane

Concen: 54.899 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022213.D

Acq: 12 May 2025 10:54

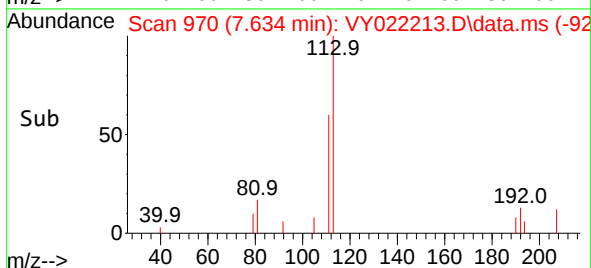
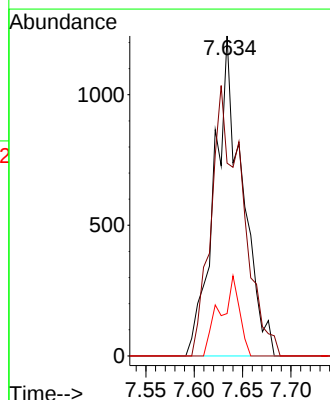
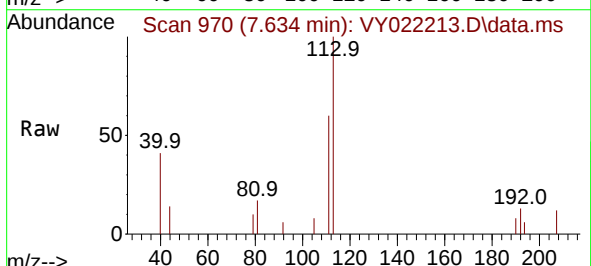
Tgt Ion:113 Resp: 2471

Ion Ratio Lower Upper

113 100

111 93.6 81.8 122.8

192 17.2 15.6 23.4

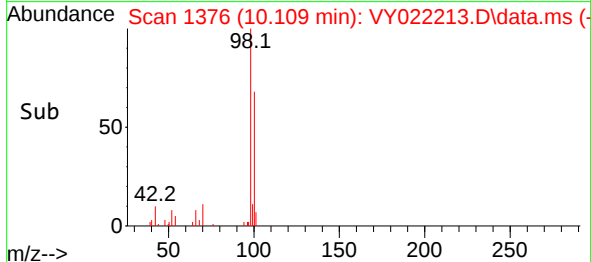
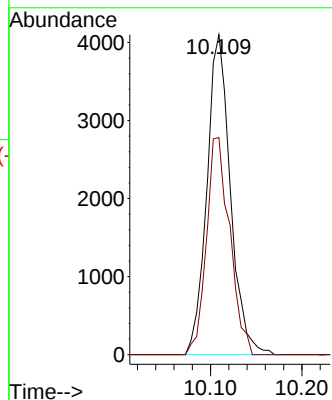
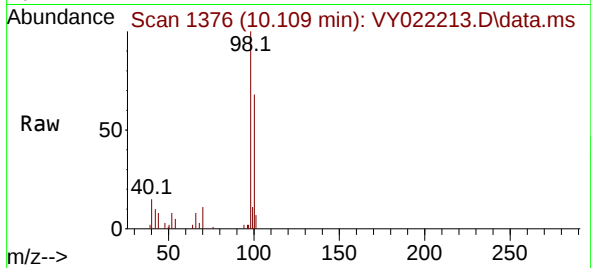




#50
Toluene-d8
Concen: 43.138 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022213.D
Acq: 12 May 2025 10:54

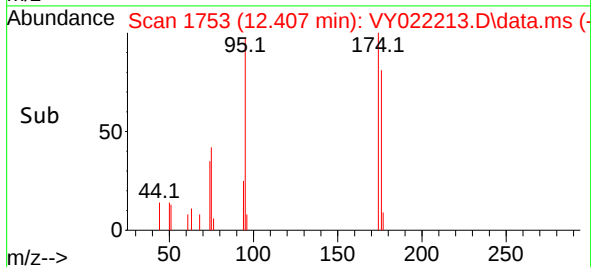
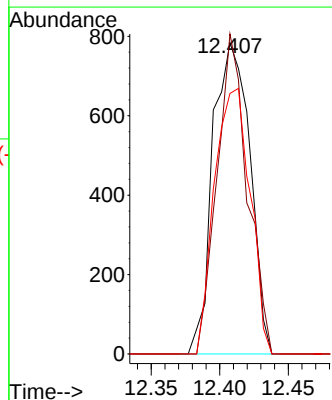
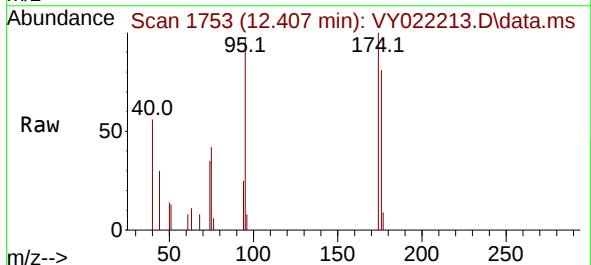
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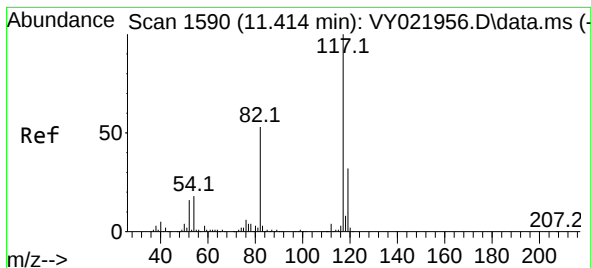
Tgt Ion: 98 Resp: 7320
Ion Ratio Lower Upper
98 100
100 67.2 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 25.733 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022213.D
Acq: 12 May 2025 10:54

Tgt Ion: 95 Resp: 1470
Ion Ratio Lower Upper
95 100
174 84.5 0.0 179.0
176 82.6 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: VY022213.D

Acq: 12 May 2025 10:54

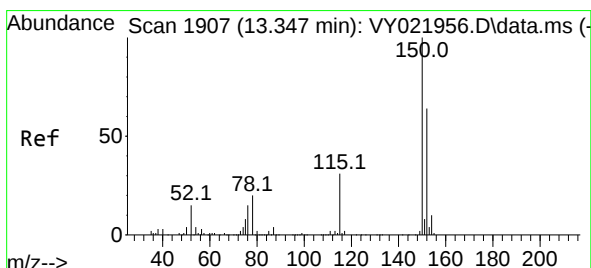
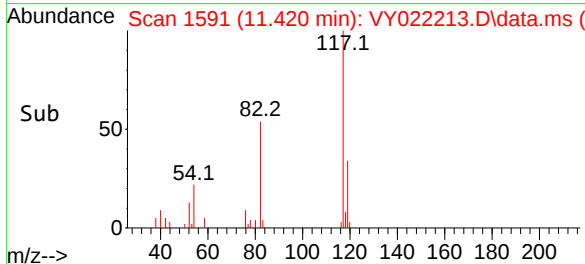
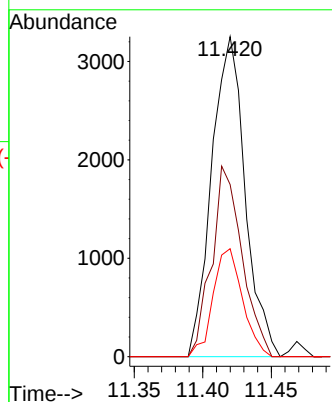
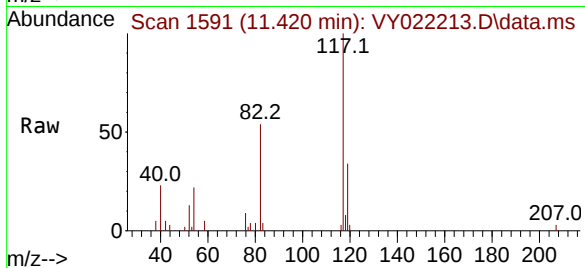
Instrument :

MSVOA_Y

ClientSampleId :

VNJ-207RE

Tgt Ion:117	Resp:	5518
Ion	Ratio	Lower Upper
117	100	
82	53.8	42.1 63.1
119	33.7	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: VY022213.D

Acq: 12 May 2025 10:54

Tgt Ion:152	Resp:	932
Ion	Ratio	Lower Upper
152	100	
115	51.6	28.0 84.0
150	174.6	0.0 345.6

