

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050725\
 Data File : VY022194.D
 Acq On : 07 May 2025 15:43
 Operator : SY/MD
 Sample : Q1972-15
 Misc : 4.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-B-7-VOC

Quant Time: May 08 01:43:08 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	198165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	398163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	363114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	131004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	111311	60.812	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.620%
35) Dibromofluoromethane	7.634	113	136591	51.926	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.860%
50) Toluene-d8	10.103	98	496240	50.040	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.080%
62) 4-Bromofluorobenzene	12.401	95	132953	39.825	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.660%

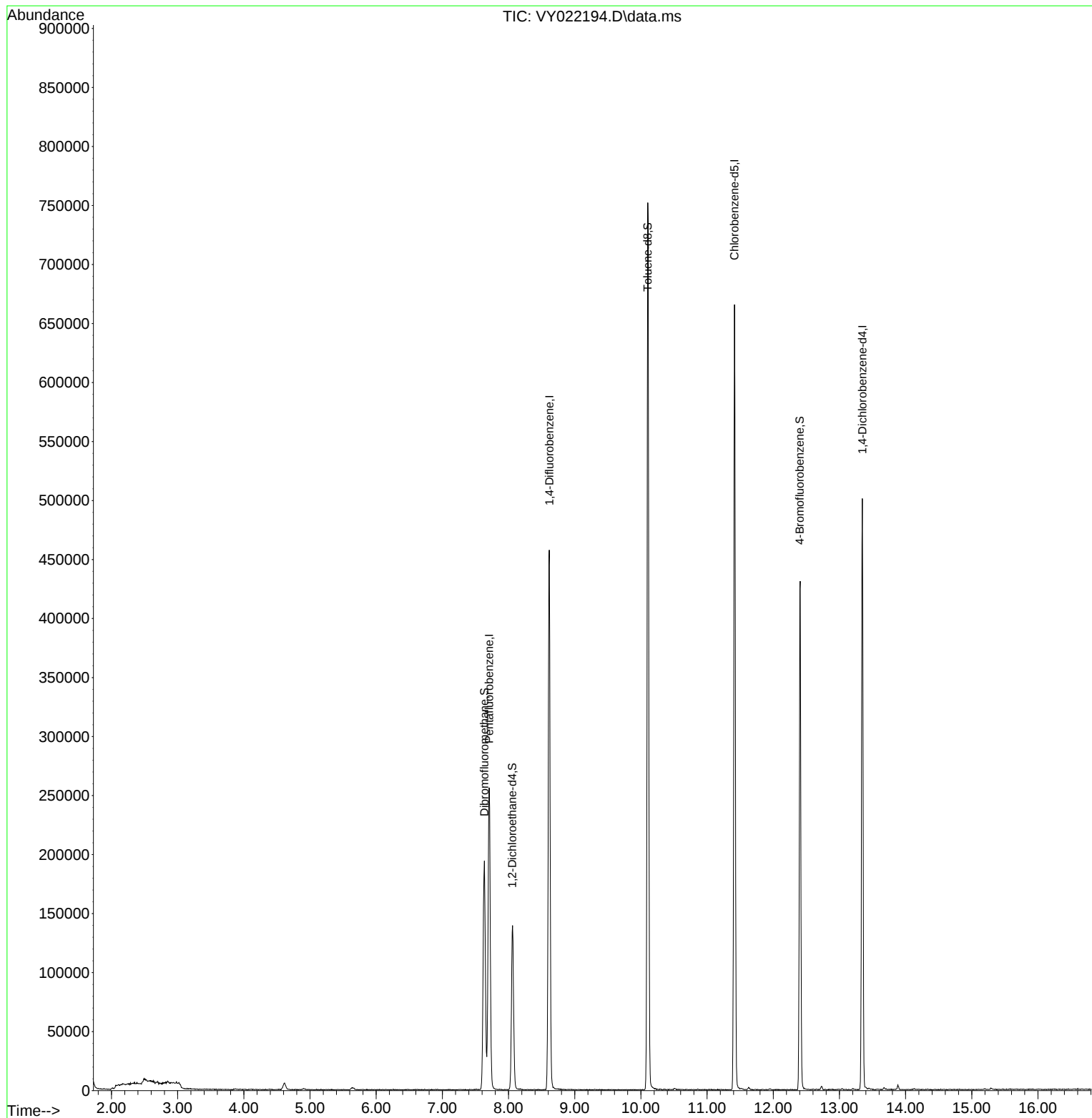
Target Compounds	Qvalue

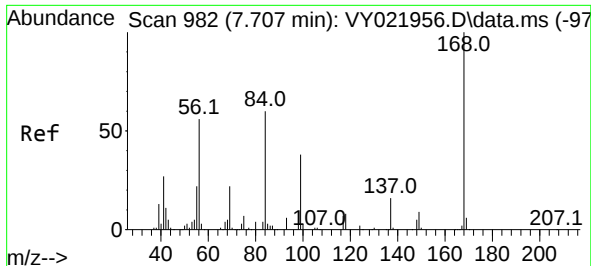
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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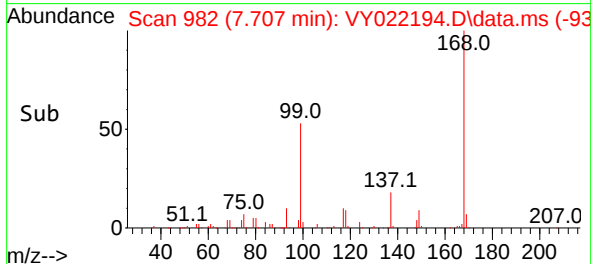
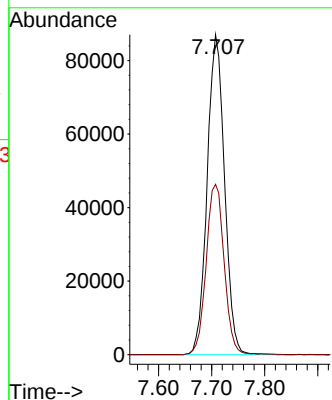
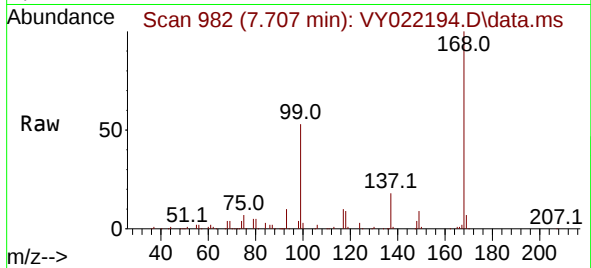




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022194.D
Acq: 07 May 2025 15:43

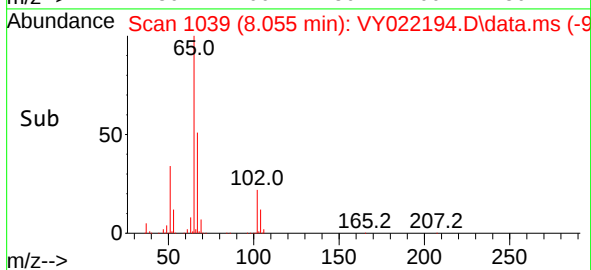
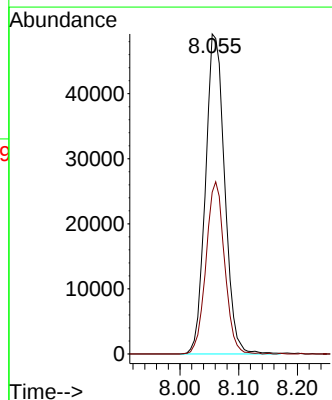
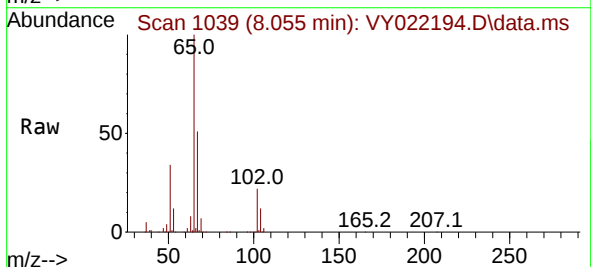
Instrument :
MSVOA_Y
ClientSampleId :
WC-B-7-VOC

Tgt Ion:168 Resp: 198165
Ion Ratio Lower Upper
168 100
99 53.2 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 60.812 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY022194.D
Acq: 07 May 2025 15:43

Tgt Ion: 65 Resp: 111311
Ion Ratio Lower Upper
65 100
67 52.1 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: VY022194.D

Acq: 07 May 2025 15:43

Instrument :

MSVOA_Y

ClientSampleId :

WC-B-7-VOC

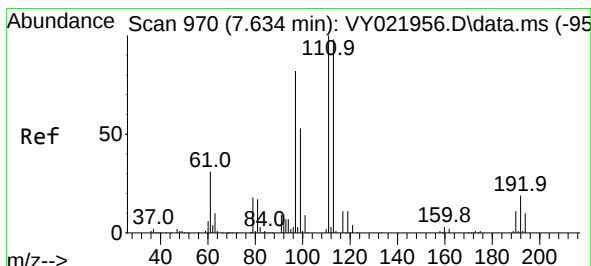
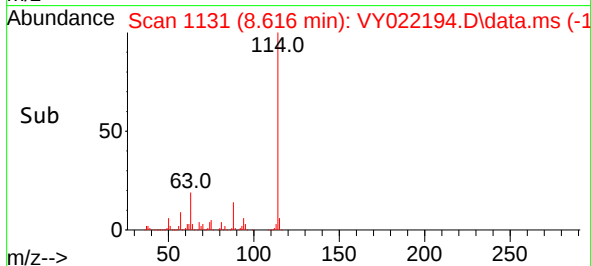
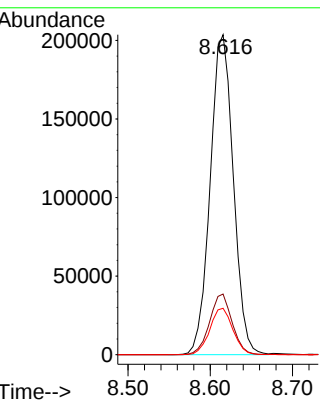
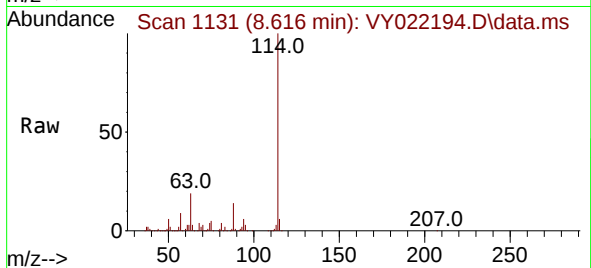
Tgt Ion:114 Resp: 398163

Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.4

88 14.5 0.0 28.2



#35

Dibromofluoromethane

Concen: 51.926 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022194.D

Acq: 07 May 2025 15:43

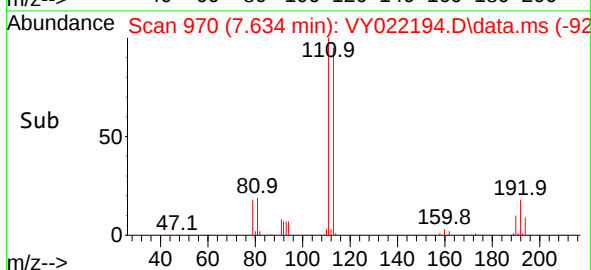
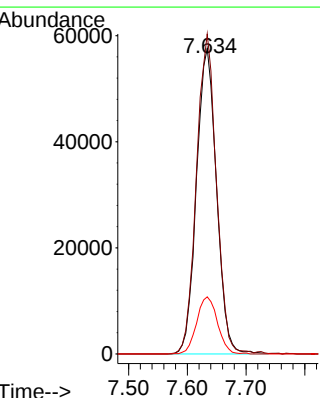
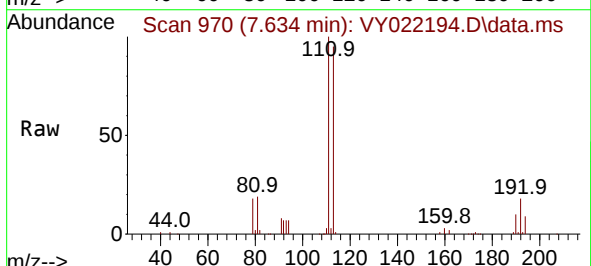
Tgt Ion:113 Resp: 136591

Ion Ratio Lower Upper

113 100

111 103.8 81.8 122.8

192 19.4 15.6 23.4

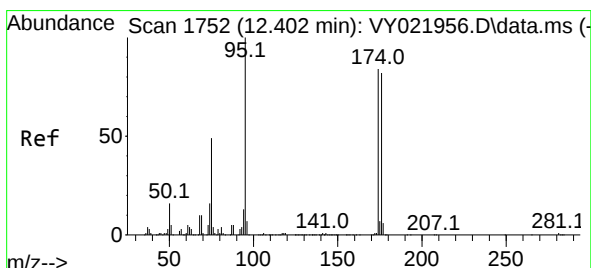
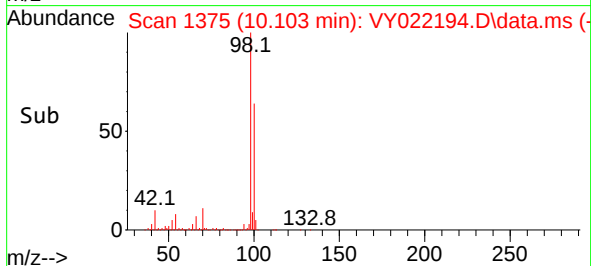
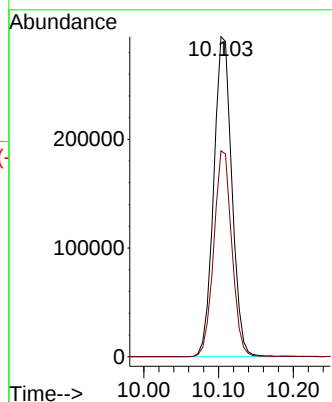
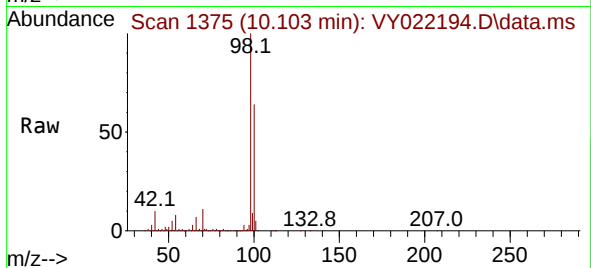




#50
Toluene-d8
Concen: 50.040 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022194.D
Acq: 07 May 2025 15:43

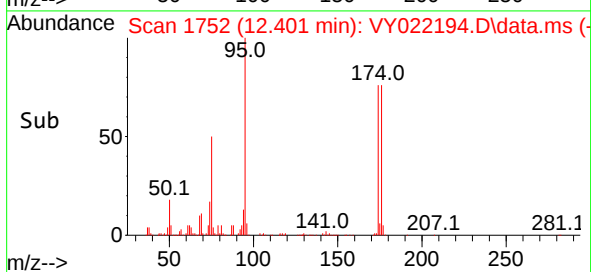
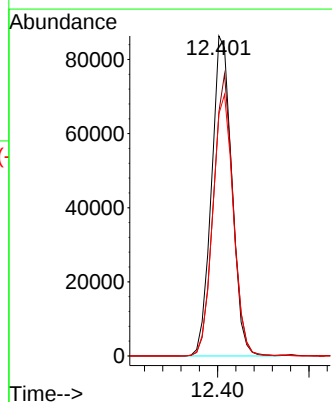
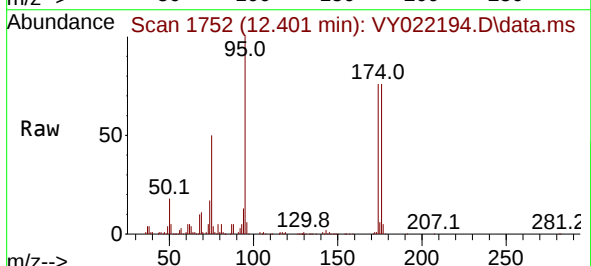
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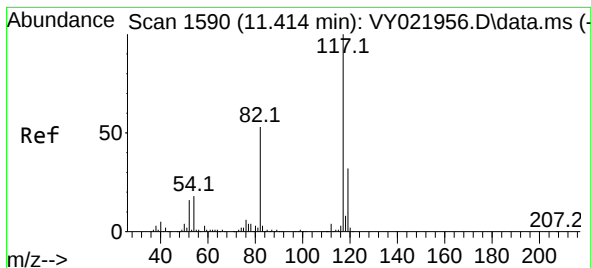
Tgt Ion: 98 Resp: 496240
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 39.825 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022194.D
Acq: 07 May 2025 15:43

Tgt Ion: 95 Resp: 132953
Ion Ratio Lower Upper
95 100
174 85.8 0.0 179.0
176 83.0 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022194.D

Acq: 07 May 2025 15:43

Instrument :

MSVOA_Y

ClientSampleId :

WC-B-7-VOC

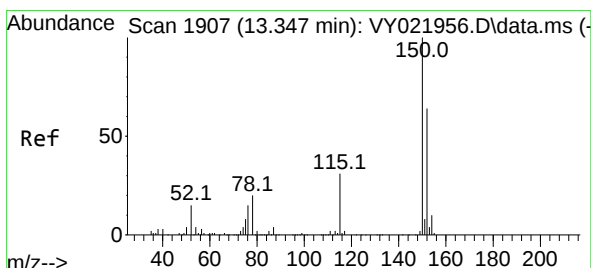
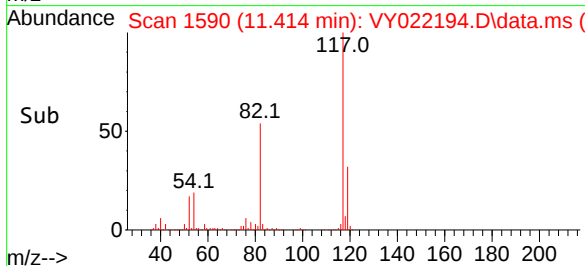
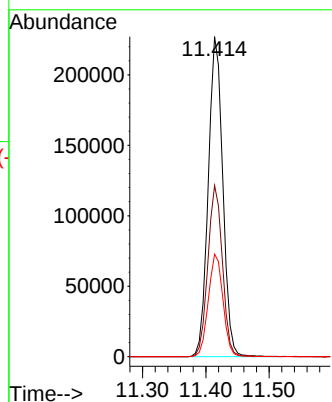
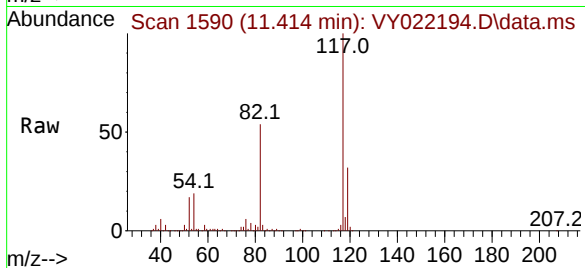
Tgt Ion:117 Resp: 363114

Ion Ratio Lower Upper

117 100

82 53.5 42.1 63.1

119 32.1 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: VY022194.D

Acq: 07 May 2025 15:43

Tgt Ion:152 Resp: 131004

Ion Ratio Lower Upper

152 100

115 58.1 28.0 84.0

150 158.0 0.0 345.6

