

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050825\
 Data File : VY022204.D
 Acq On : 08 May 2025 11:53
 Operator : SY/MD
 Sample : Q1976-01
 Misc : 5.51g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-207

Quant Time: May 09 05:06:05 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	64208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	77518	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	40659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	6200	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	10152	17.117	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	34.240%#
35) Dibromofluoromethane	7.634	113	21410	41.806	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.620%
50) Toluene-d8	10.109	98	82222	42.586	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.180%
62) 4-Bromofluorobenzene	12.407	95	8965	13.793	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	27.580%#

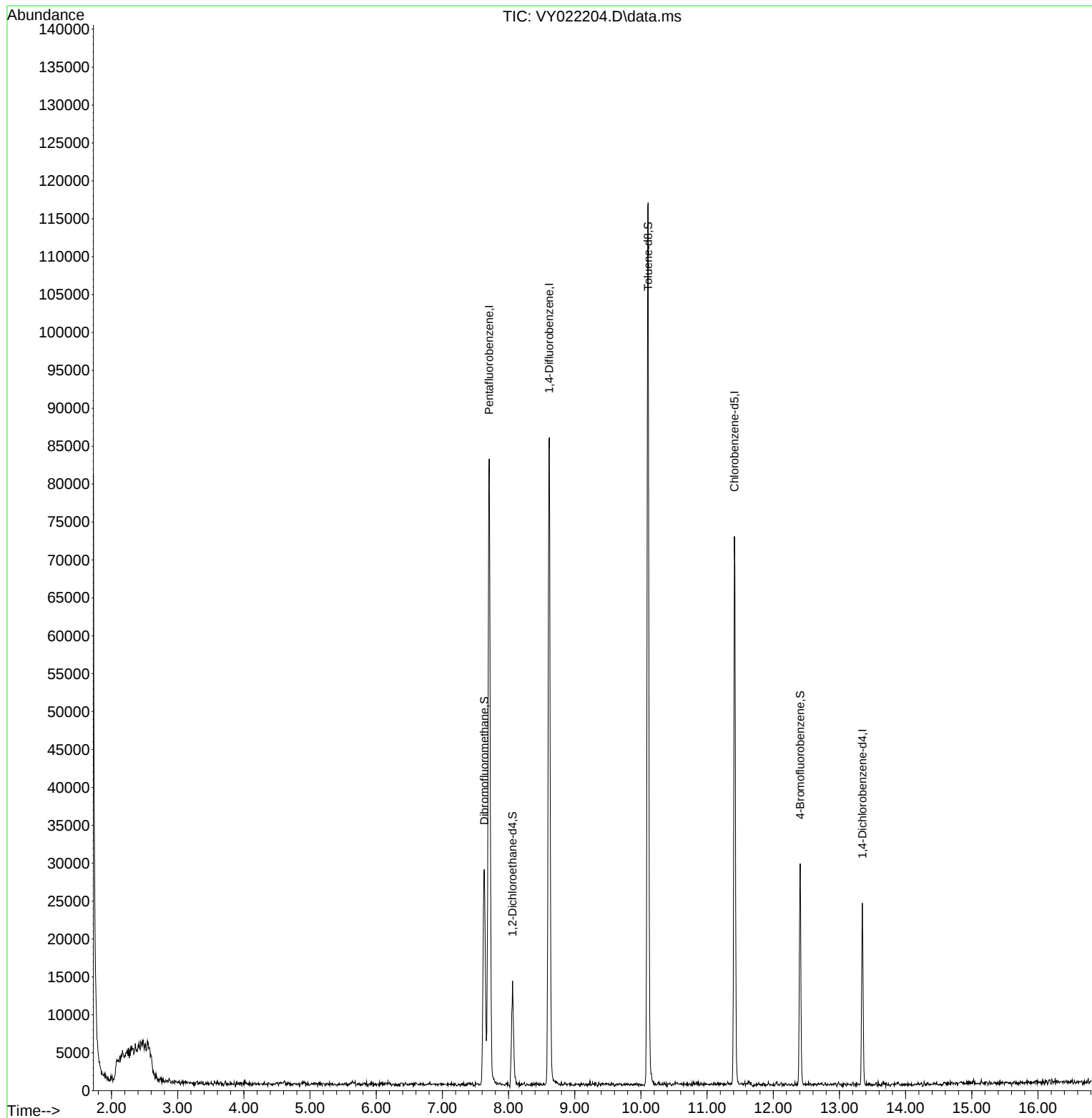
Target Compounds	Qvalue

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

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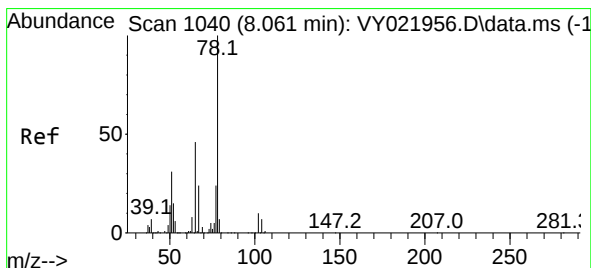
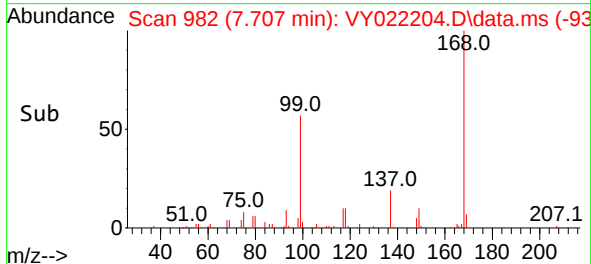
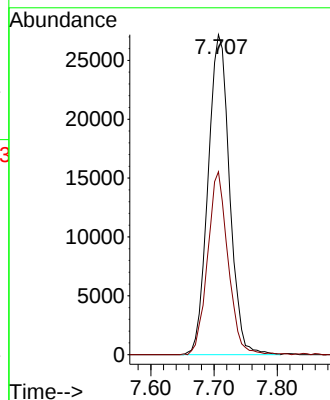
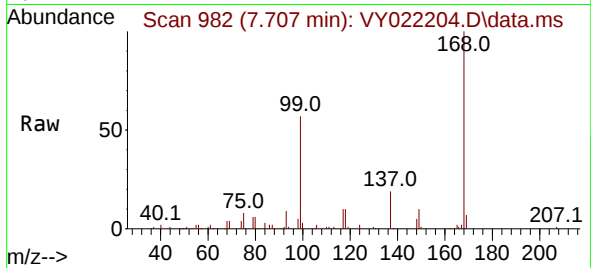




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022204.D
Acq: 08 May 2025 11:53

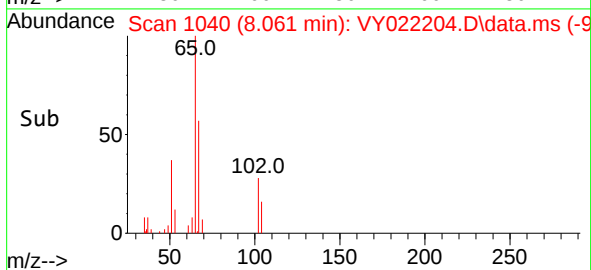
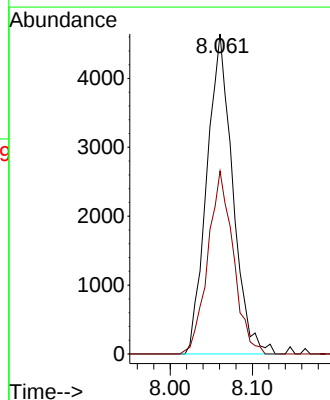
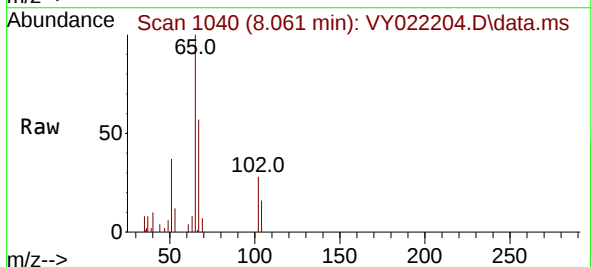
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-207

Tgt Ion:168 Resp: 64208
Ion Ratio Lower Upper
168 100
99 57.2 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 17.117 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022204.D
Acq: 08 May 2025 11:53

Tgt Ion: 65 Resp: 10152
Ion Ratio Lower Upper
65 100
67 56.2 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: VY022204.D

Acq: 08 May 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-207

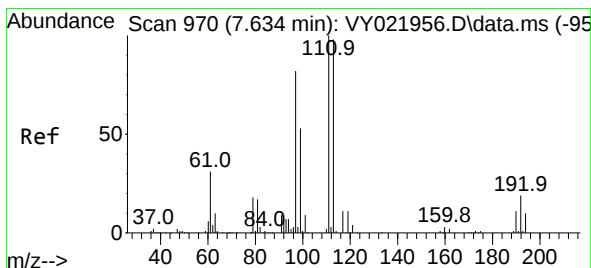
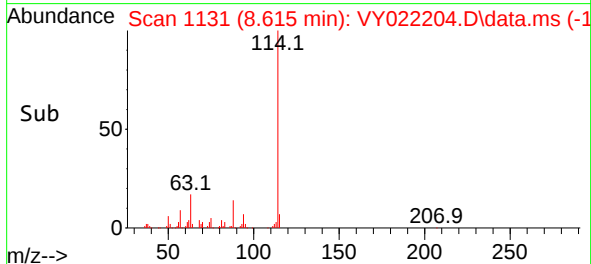
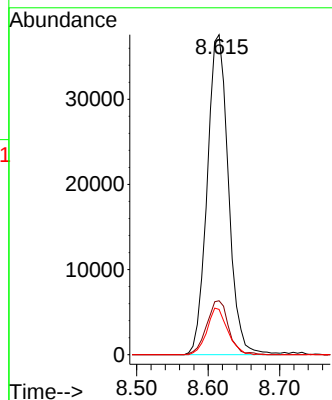
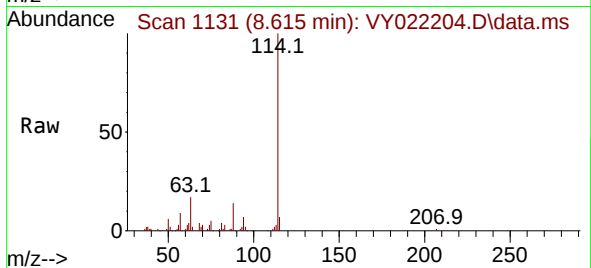
Tgt Ion:114 Resp: 77518

Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.4

88 14.1 0.0 28.2



#35

Dibromofluoromethane

Concen: 41.806 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022204.D

Acq: 08 May 2025 11:53

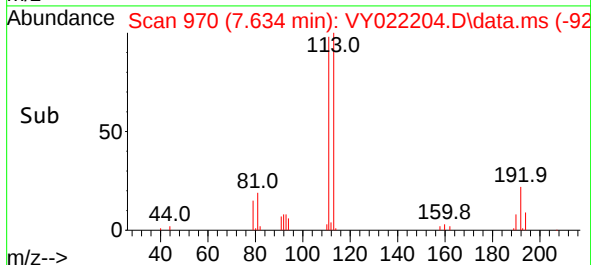
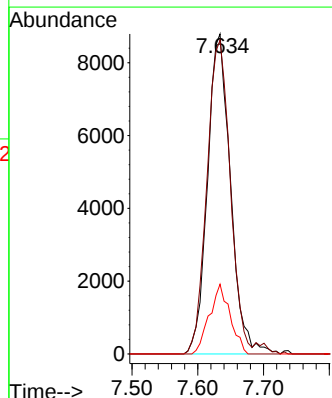
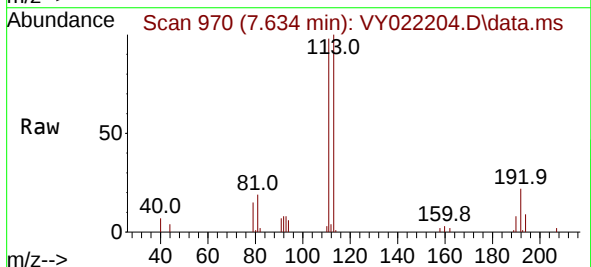
Tgt Ion:113 Resp: 21410

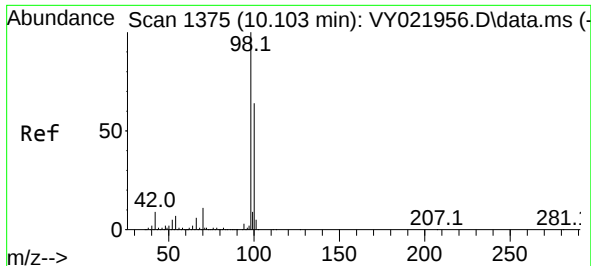
Ion Ratio Lower Upper

113 100

111 99.2 81.8 122.8

192 19.6 15.6 23.4

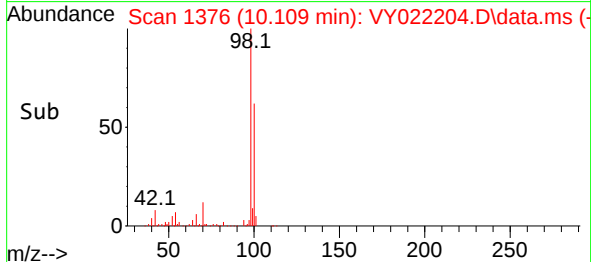
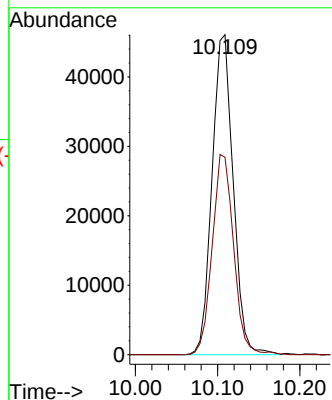
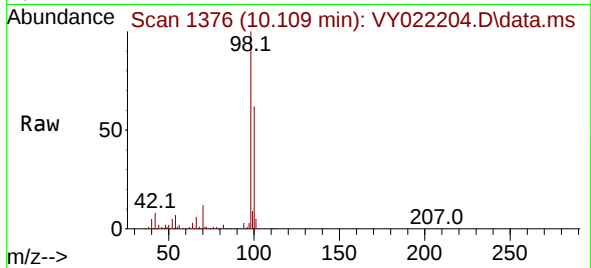




#50
Toluene-d8
Concen: 42.586 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022204.D
Acq: 08 May 2025 11:53

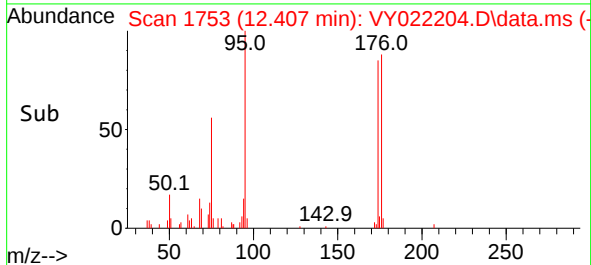
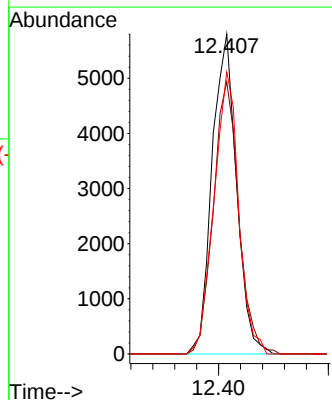
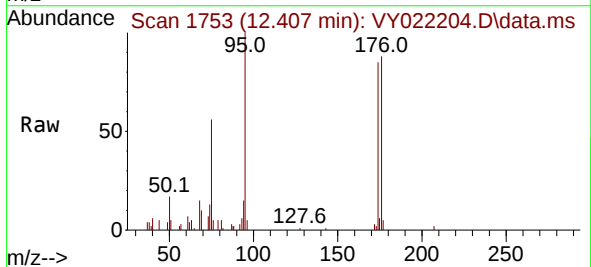
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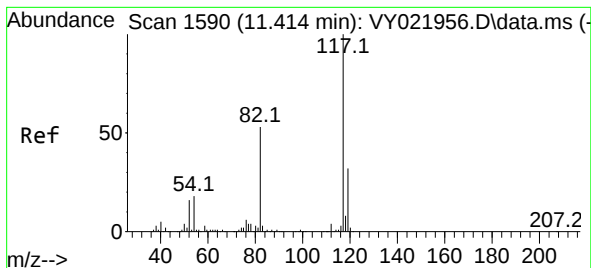
Tgt Ion: 98 Resp: 82222
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 13.793 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022204.D
Acq: 08 May 2025 11:53

Tgt Ion: 95 Resp: 8965
Ion Ratio Lower Upper
95 100
174 88.4 0.0 179.0
176 89.3 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: VY022204.D

Acq: 08 May 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-207

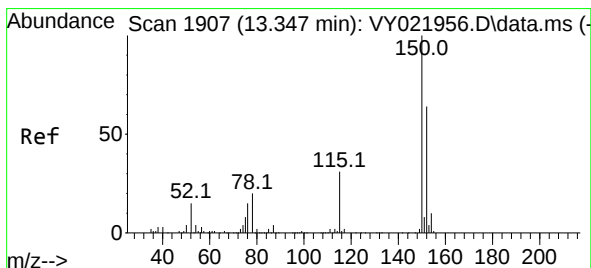
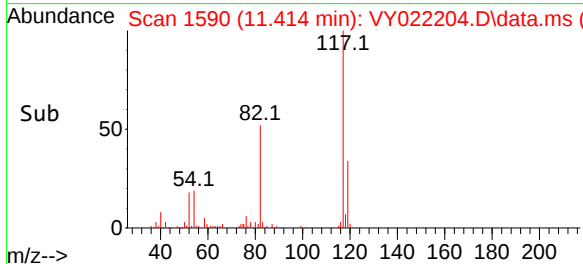
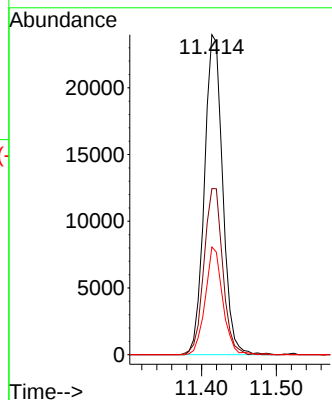
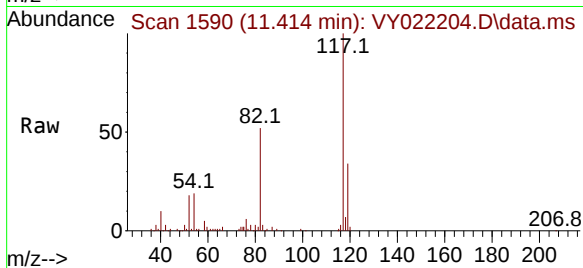
Tgt Ion:117 Resp: 40659

Ion Ratio Lower Upper

117 100

82 51.9 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: VY022204.D

Acq: 08 May 2025 11:53

Tgt Ion:152 Resp: 6200

Ion Ratio Lower Upper

152 100

115 62.6 28.0 84.0

150 160.2 0.0 345.6

