

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111025\
 Data File : VY023713.D
 Acq On : 10 Nov 2025 14:19
 Operator : SY/MD
 Sample : VY1110SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1110SBL01

Quant Time: Nov 11 02:06:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	483957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	776369	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	668860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	297016	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	227850	56.302	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.600%
35) Dibromofluoromethane	7.634	113	246365	51.644	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.280%
50) Toluene-d8	10.109	98	882620	49.682	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.360%
62) 4-Bromofluorobenzene	12.408	95	253967	43.300	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.600%

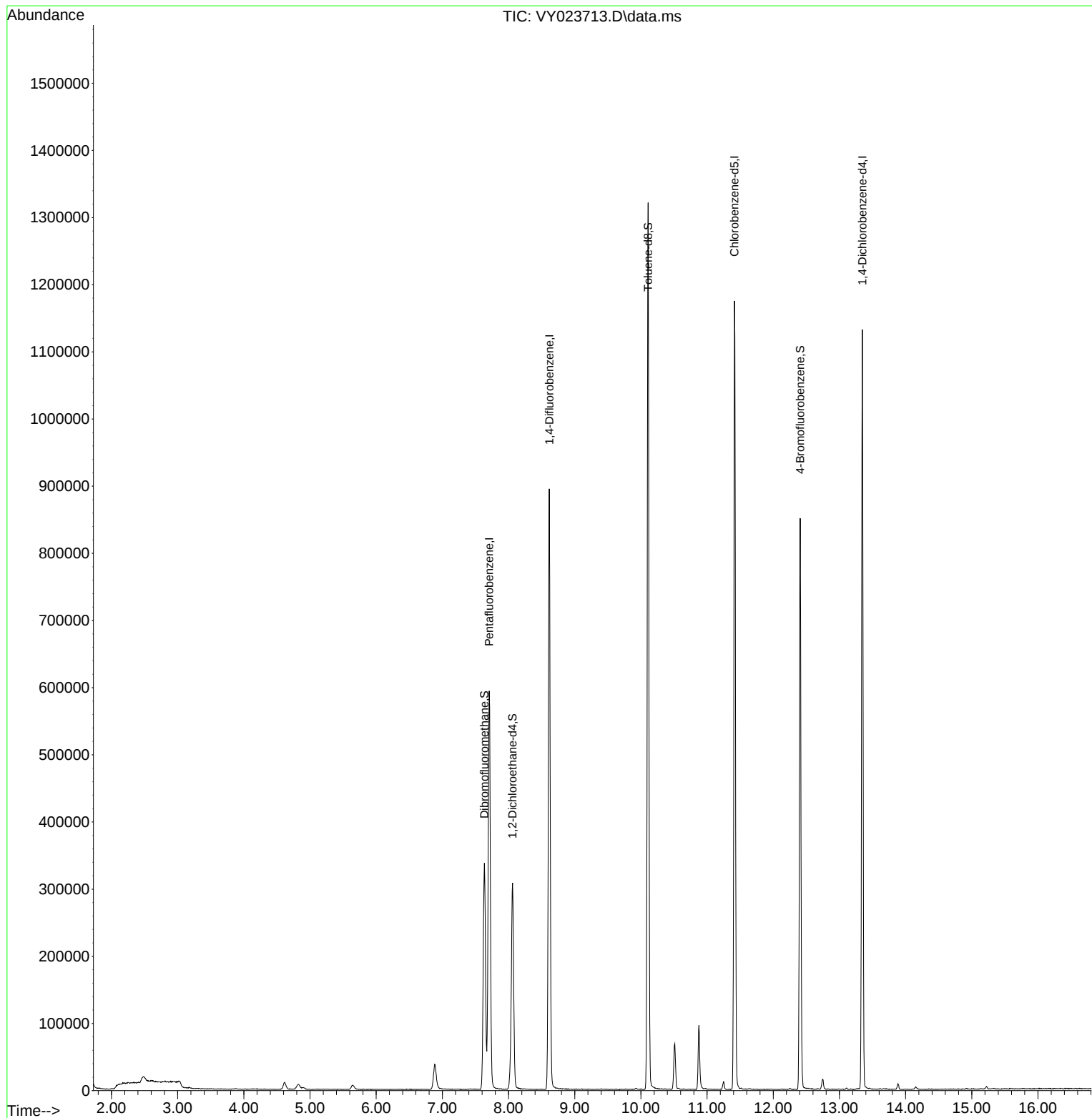
Target Compounds	Qvalue

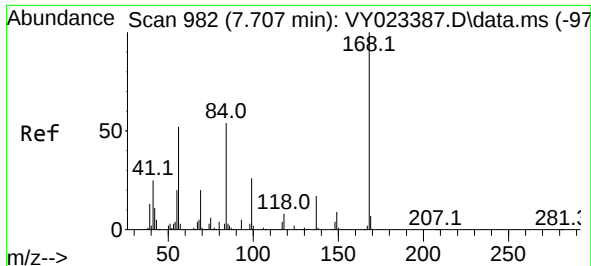
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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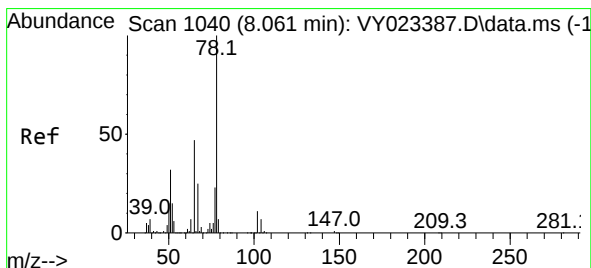
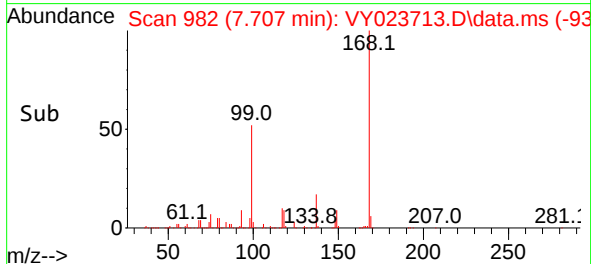
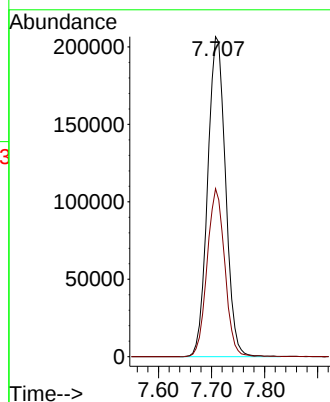
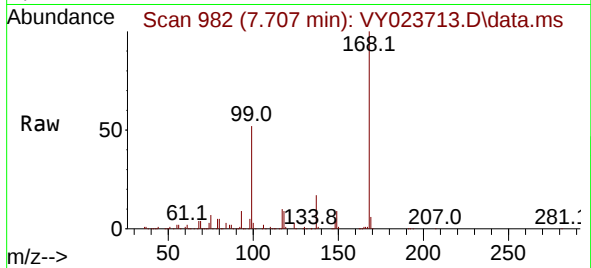




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023713.D
Acq: 10 Nov 2025 14:19

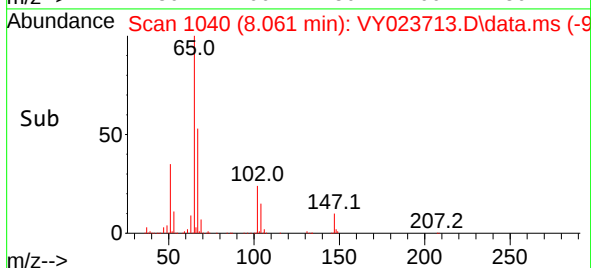
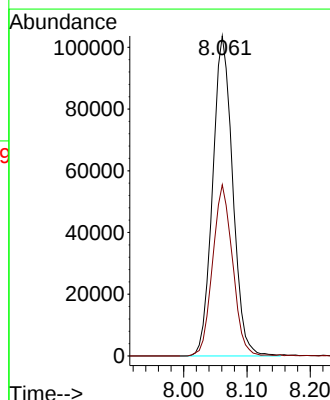
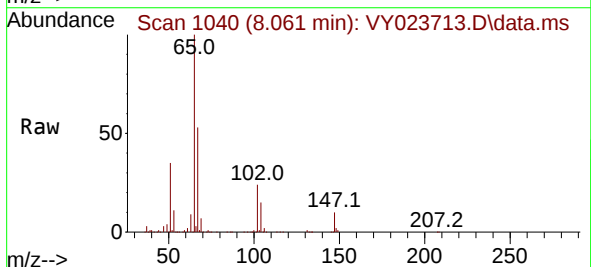
Instrument :
MSVOA_Y
ClientSampleId :
VY1110SBL01

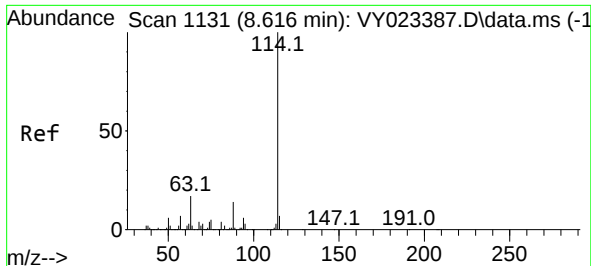
Tgt Ion:168 Resp: 483957
Ion Ratio Lower Upper
168 100
99 52.5 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 56.302 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023713.D
Acq: 10 Nov 2025 14:19

Tgt Ion: 65 Resp: 227850
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.8

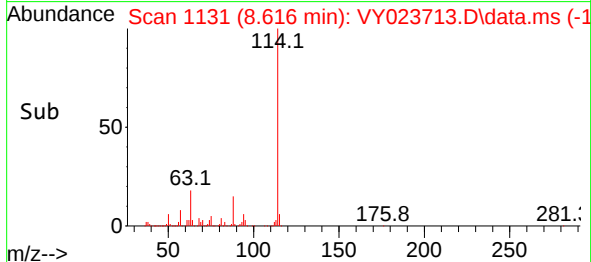
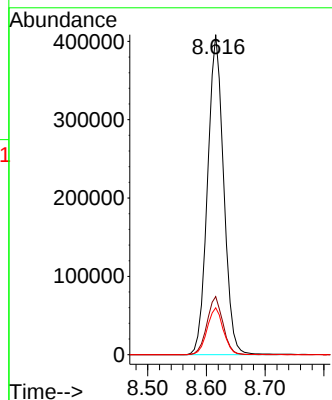
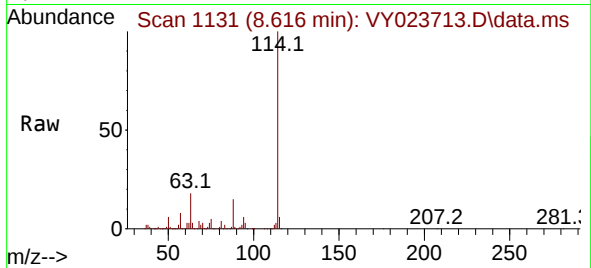




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023713.D
Acq: 10 Nov 2025 14:19

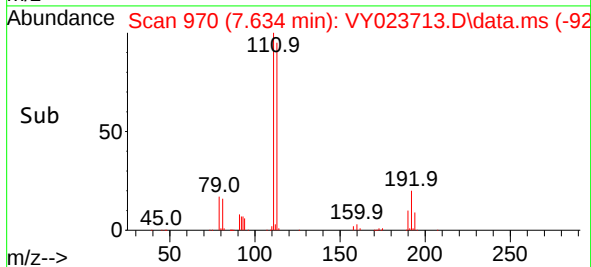
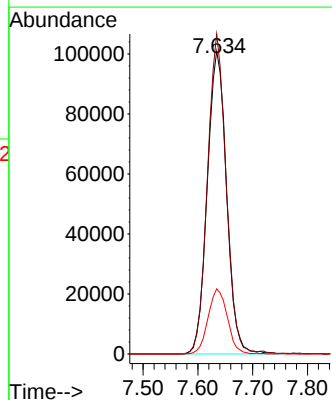
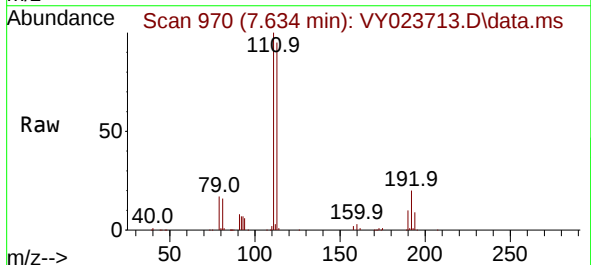
Instrument :
MSVOA_Y
ClientSampleId :
VY1110SBL01

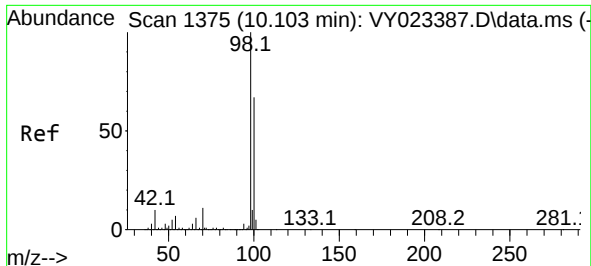
Tgt Ion:114 Resp: 776369
Ion Ratio Lower Upper
114 100
63 18.2 0.0 34.2
88 14.7 0.0 28.4



#35
Dibromofluoromethane
Concen: 51.644 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023713.D
Acq: 10 Nov 2025 14:19

Tgt Ion:113 Resp: 246365
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.6
192 21.4 18.0 27.0

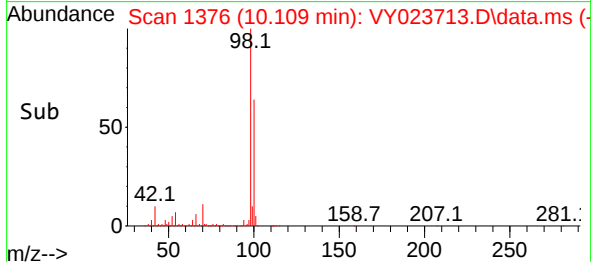
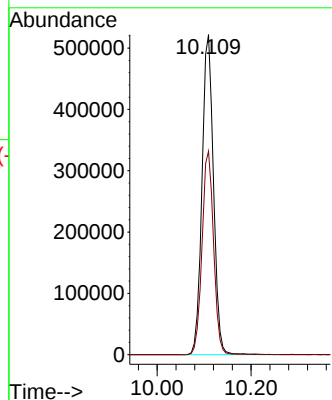
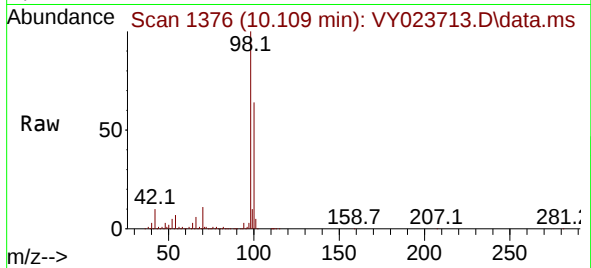




#50
Toluene-d8
Concen: 49.682 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023713.D
Acq: 10 Nov 2025 14:19

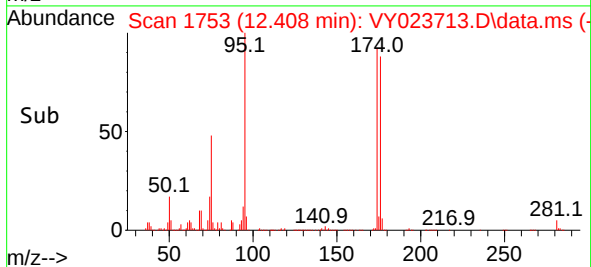
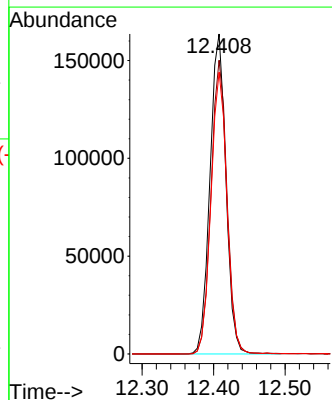
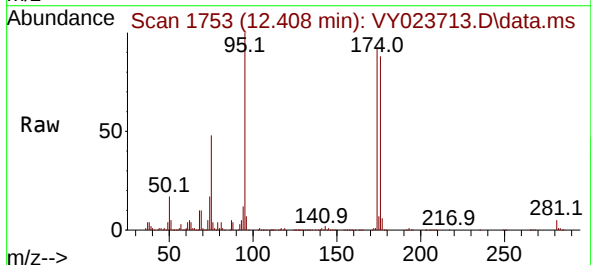
Instrument :
MSVOA_Y
ClientSampleId :
VY1110SBL01

Tgt Ion: 98 Resp: 882620
Ion Ratio Lower Upper
98 100
100 64.1 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 43.300 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023713.D
Acq: 10 Nov 2025 14:19

Tgt Ion: 95 Resp: 253967
Ion Ratio Lower Upper
95 100
174 92.0 0.0 192.8
176 88.0 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023713.D

Acq: 10 Nov 2025 14:19

Instrument :

MSVOA_Y

ClientSampleId :

VY1110SBL01

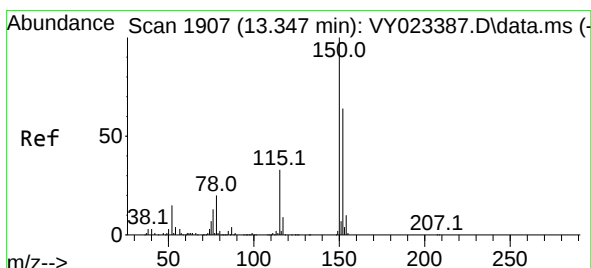
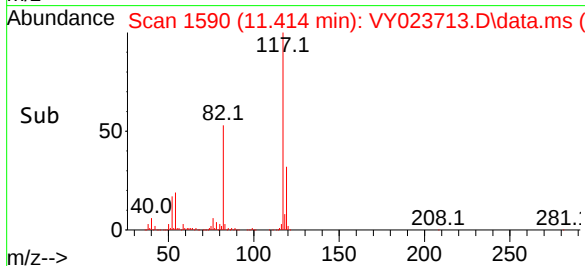
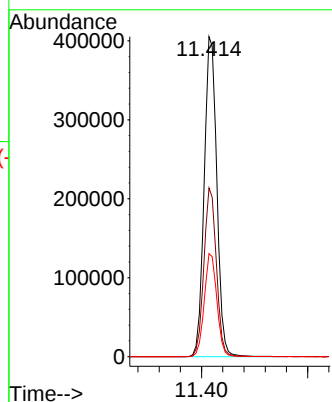
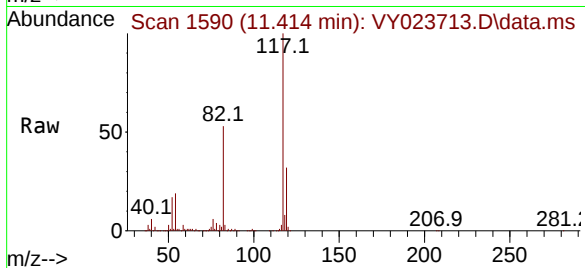
Tgt Ion:117 Resp: 668860

Ion Ratio Lower Upper

117 100

82 52.7 41.0 61.4

119 32.2 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023713.D

Acq: 10 Nov 2025 14:19

Tgt Ion:152 Resp: 297016

Ion Ratio Lower Upper

152 100

115 55.8 27.1 81.2

150 156.7 0.0 347.4

