

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
 Data File : VY023739.D
 Acq On : 11 Nov 2025 14:50
 Operator : SY/MD
 Sample : Q3581-03
 Misc : 5.83g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-245

Quant Time: Nov 12 03:37:29 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	7.713	168	834542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1410415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1196315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	490073	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	371837	53.283	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.560%
35) Dibromofluoromethane	7.640	113	443367	51.160	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.320%
50) Toluene-d8	10.109	98	1577728	48.885	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.780%
62) 4-Bromofluorobenzene	12.408	95	459740	43.146	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.300%

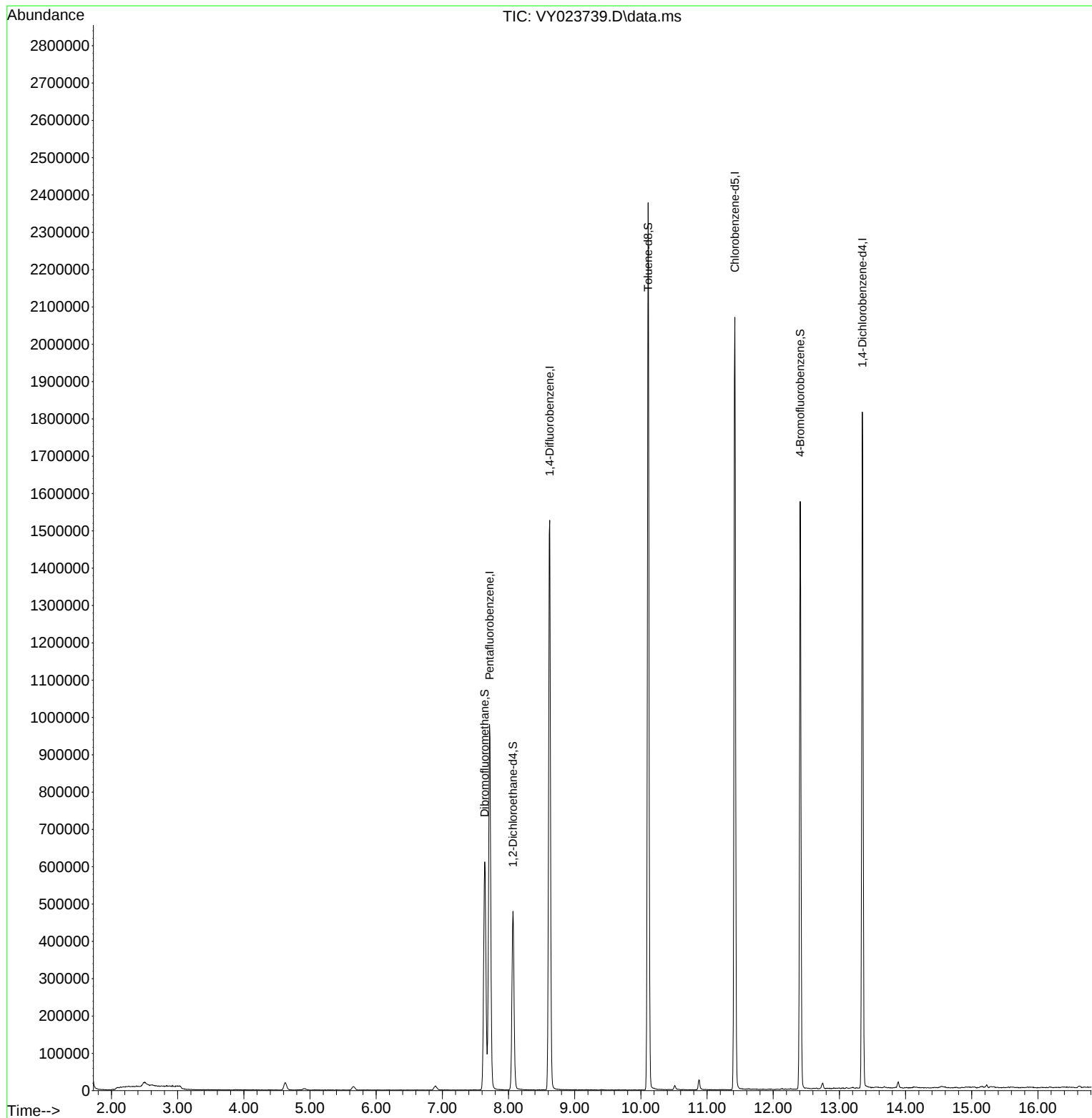
Target Compounds	Qvalue

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

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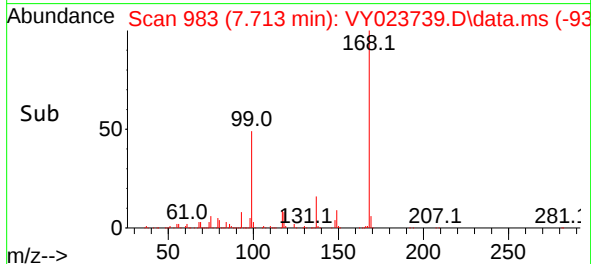
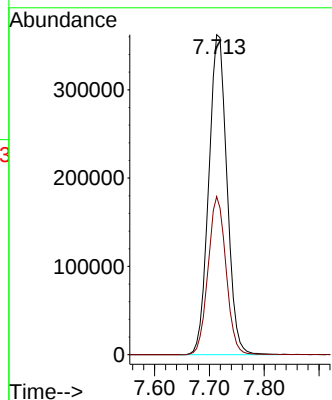
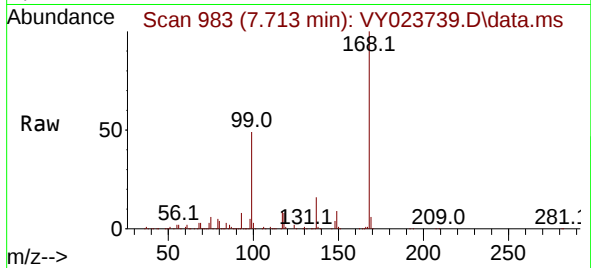




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023739.D
Acq: 11 Nov 2025 14:50

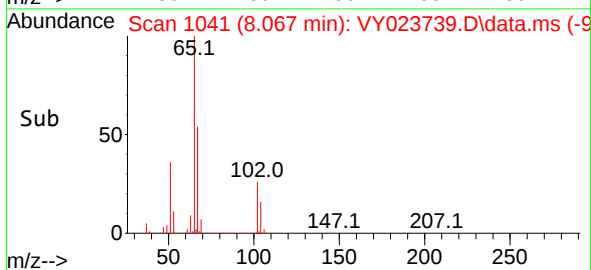
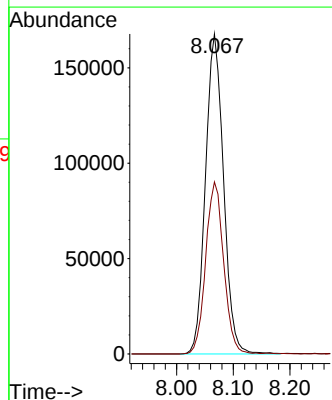
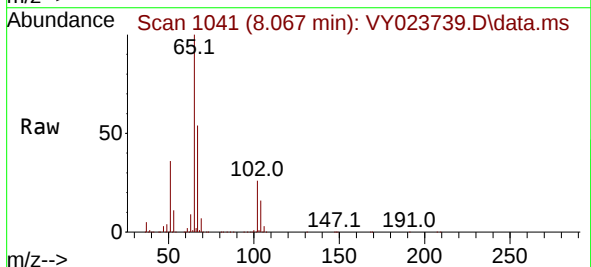
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-245

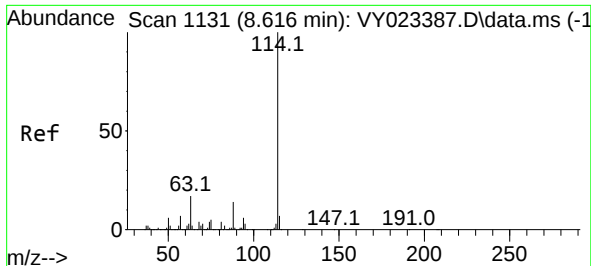
Tgt Ion:168 Resp: 834542
Ion Ratio Lower Upper
168 100
99 49.4 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 53.283 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023739.D
Acq: 11 Nov 2025 14:50

Tgt Ion: 65 Resp: 371837
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.8

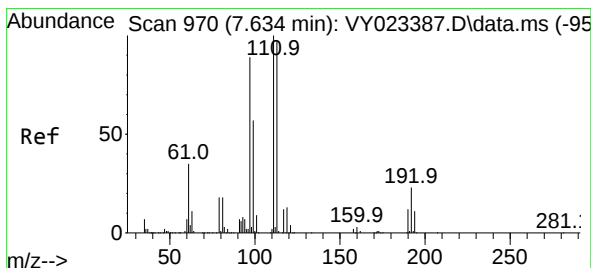
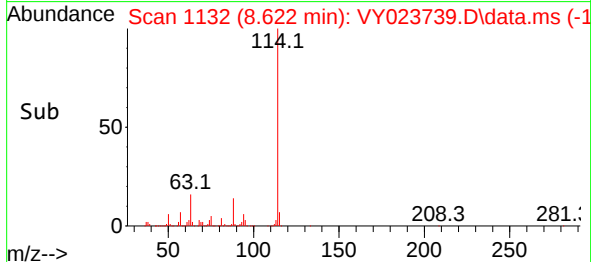
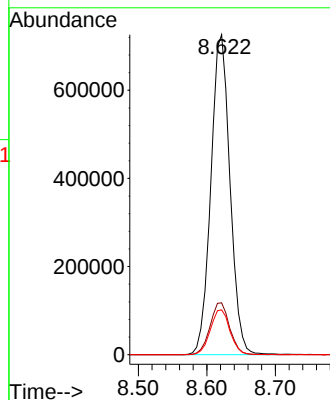
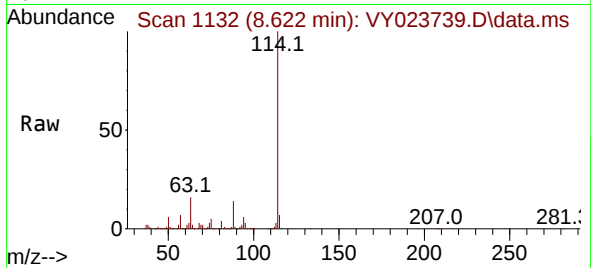




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023739.D
Acq: 11 Nov 2025 14:50

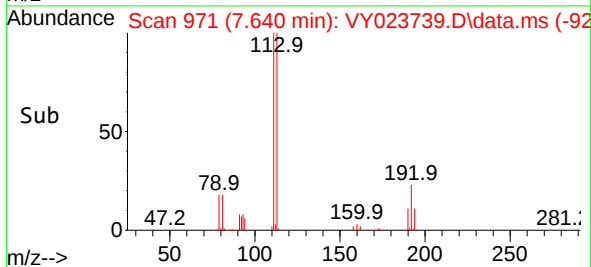
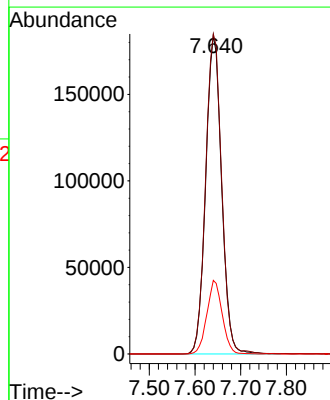
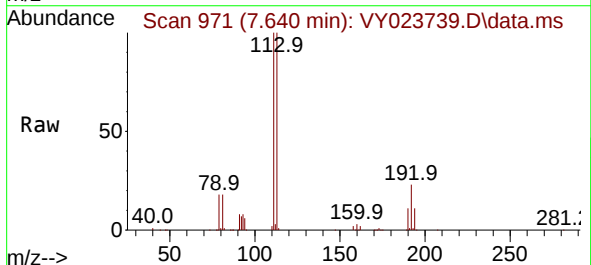
Instrument :
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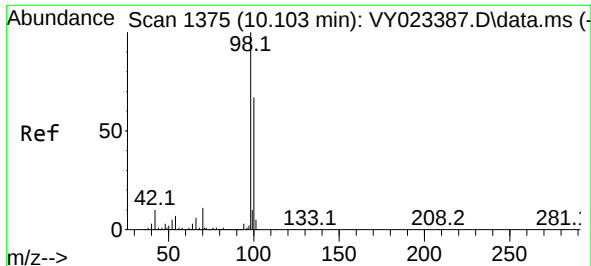
Tgt Ion:114 Resp: 1410415
Ion Ratio Lower Upper
114 100
63 16.2 0.0 34.2
88 14.0 0.0 28.4



#35
Dibromofluoromethane
Concen: 51.160 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023739.D
Acq: 11 Nov 2025 14:50

Tgt Ion:113 Resp: 443367
Ion Ratio Lower Upper
113 100
111 101.8 81.8 122.6
192 22.4 18.0 27.0

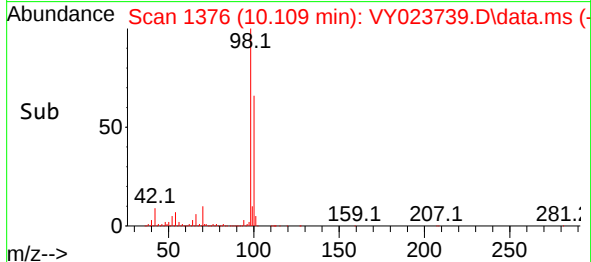
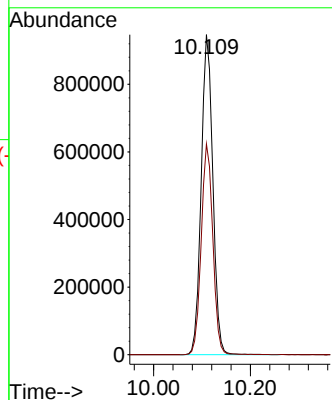
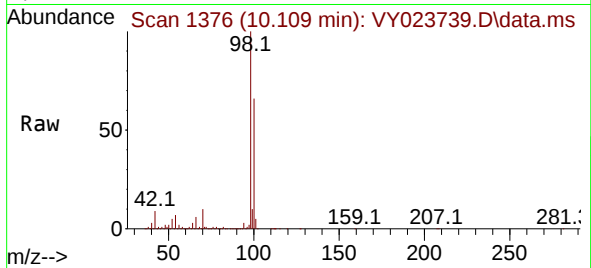




#50
Toluene-d8
Concen: 48.885 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023739.D
Acq: 11 Nov 2025 14:50

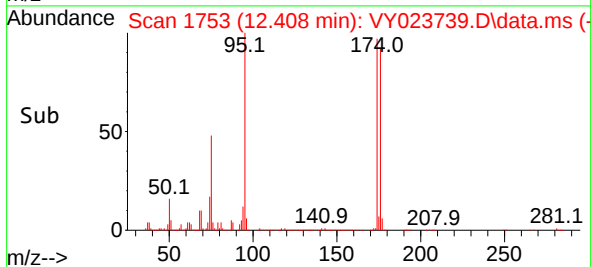
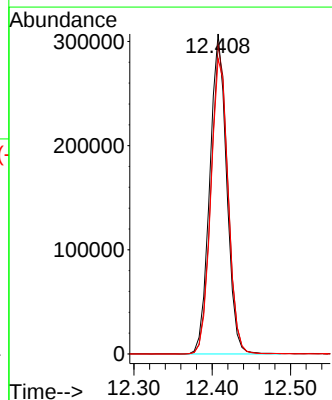
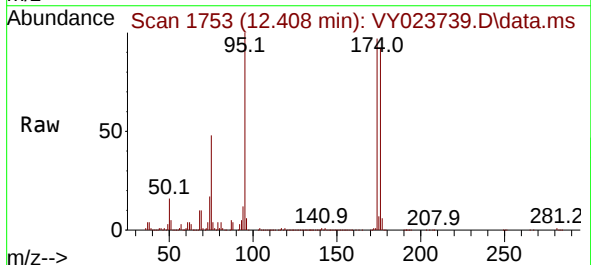
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-245

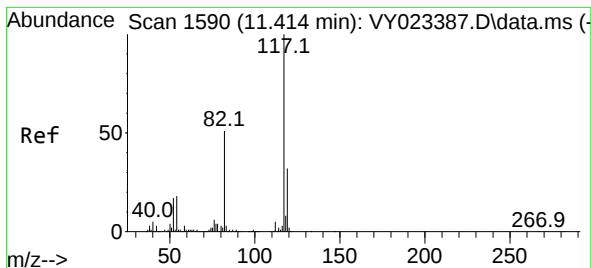
Tgt Ion: 98 Resp: 1577728
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 43.146 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023739.D
Acq: 11 Nov 2025 14:50

Tgt Ion: 95 Resp: 459740
Ion Ratio Lower Upper
95 100
174 97.0 0.0 192.8
176 94.2 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023739.D

Acq: 11 Nov 2025 14:50

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-245

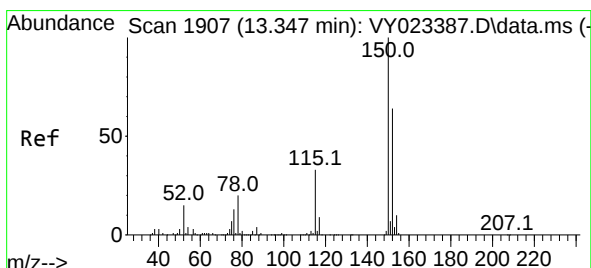
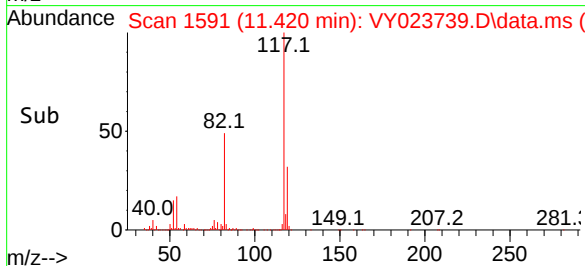
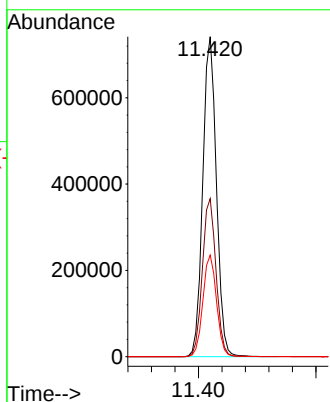
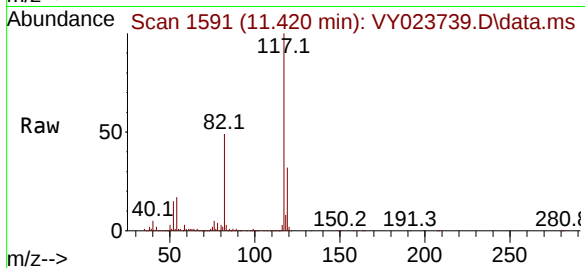
Tgt Ion:117 Resp: 1196315

Ion Ratio Lower Upper

117 100

82 49.4 41.0 61.4

119 31.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023739.D

Acq: 11 Nov 2025 14:50

Tgt Ion:152 Resp: 490073

Ion Ratio Lower Upper

152 100

115 54.4 27.1 81.2

150 155.8 0.0 347.4

