

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
 Data File : VY023740.D
 Acq On : 11 Nov 2025 15:14
 Operator : SY/MD
 Sample : Q3581-05
 Misc : 4.54g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-240

Quant Time: Nov 12 03:37:53 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	816765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1372992	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1189709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	515249	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	370141	54.194	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.380%
35) Dibromofluoromethane	7.640	113	434691	51.526	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.060%
50) Toluene-d8	10.109	98	1542155	49.085	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.180%
62) 4-Bromofluorobenzene	12.408	95	476265	45.916	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.840%

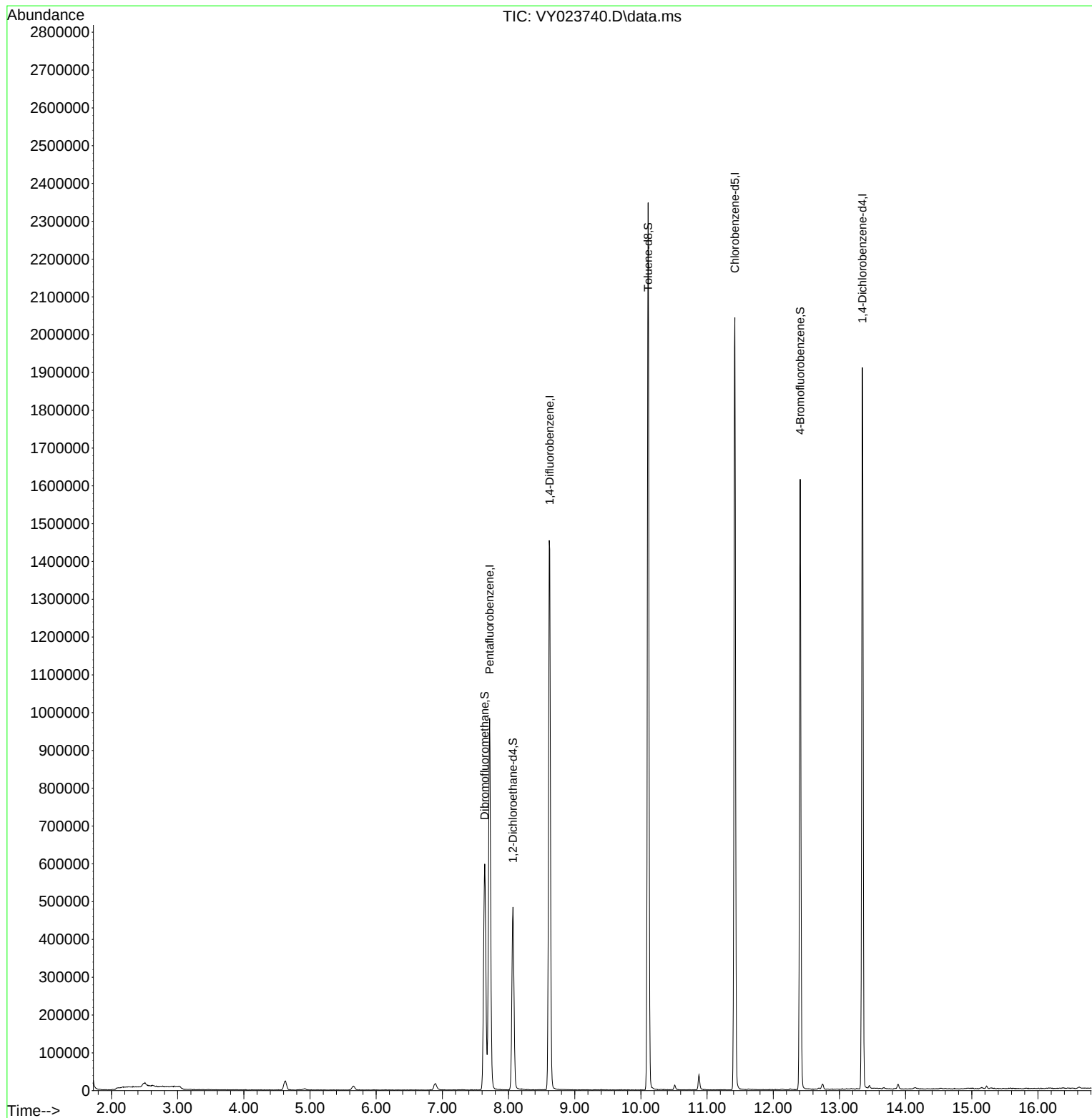
Target Compounds	Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
Data File : VY023740.D
Acq On : 11 Nov 2025 15:14
Operator : SY/MD
Sample : Q3581-05
Misc : 4.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240

Quant Time: Nov 12 03:37:53 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

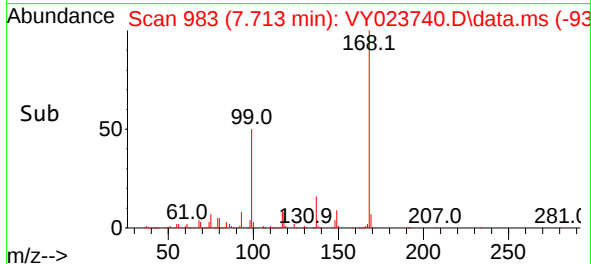
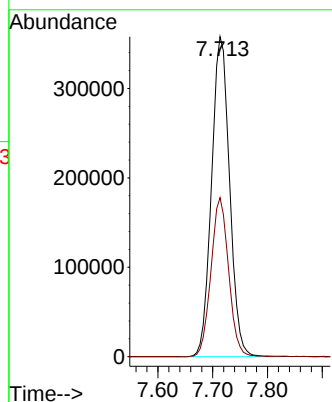
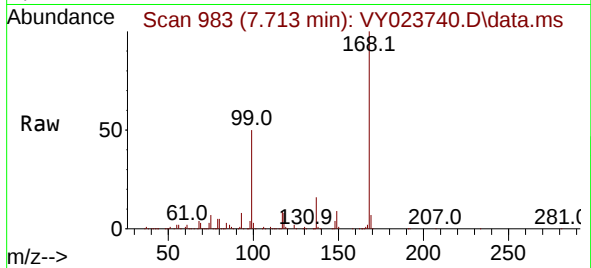




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023740.D
Acq: 11 Nov 2025 15:14

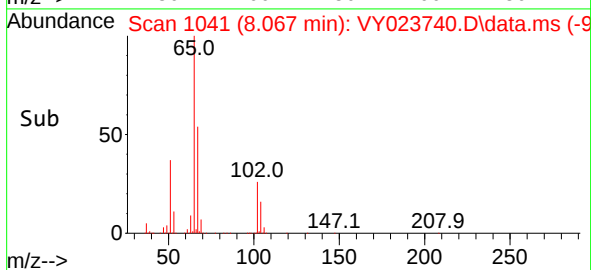
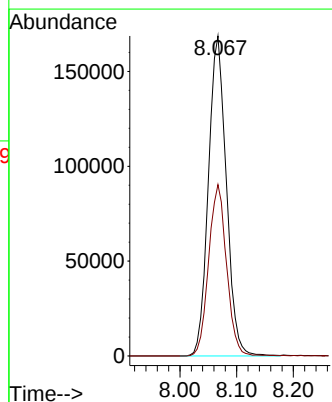
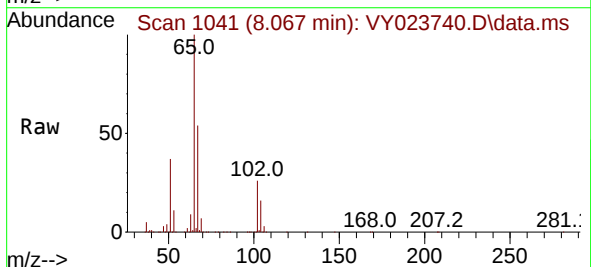
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240

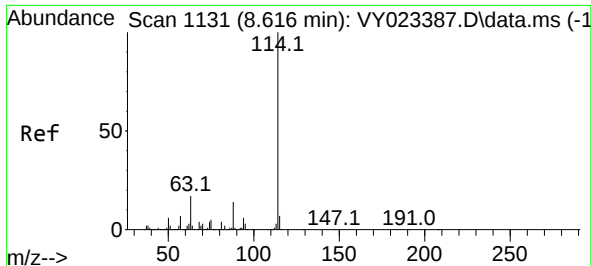
Tgt Ion:168 Resp: 816765
Ion Ratio Lower Upper
168 100
99 49.7 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 54.194 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023740.D
Acq: 11 Nov 2025 15:14

Tgt Ion: 65 Resp: 370141
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.8

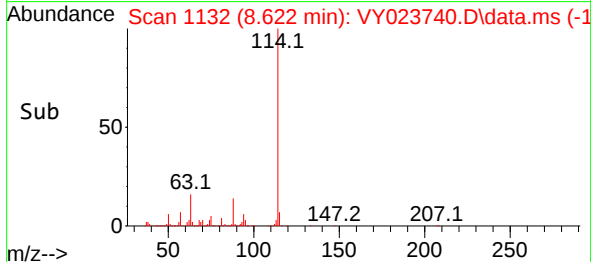
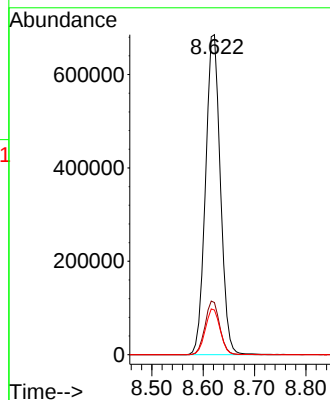
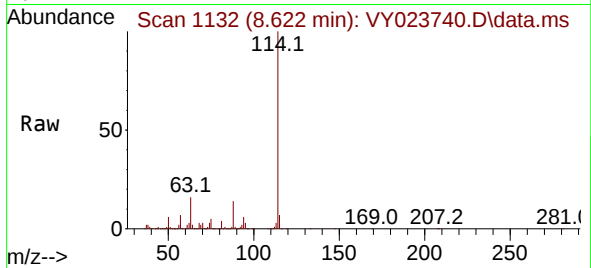




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023740.D
Acq: 11 Nov 2025 15:14

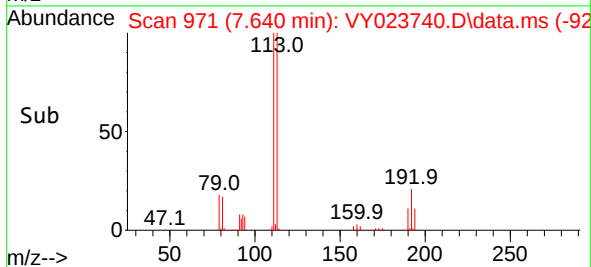
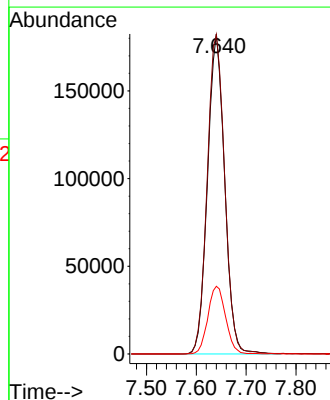
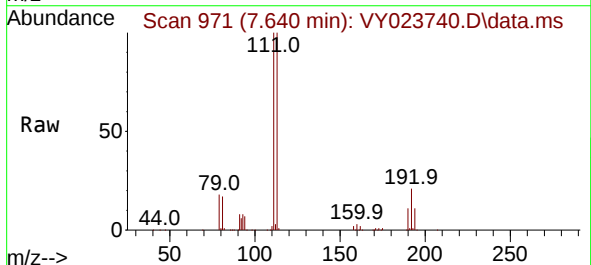
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240

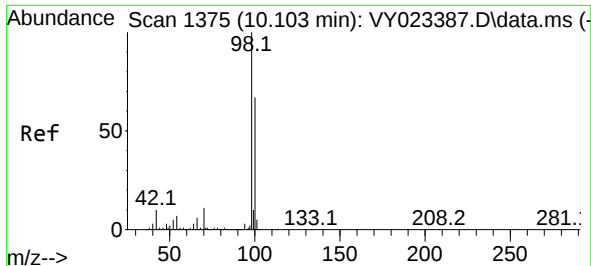
Tgt Ion:114 Resp: 1372992
Ion Ratio Lower Upper
114 100
63 16.3 0.0 34.2
88 13.9 0.0 28.4



#35
Dibromofluoromethane
Concen: 51.526 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023740.D
Acq: 11 Nov 2025 15:14

Tgt Ion:113 Resp: 434691
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.6
192 22.0 18.0 27.0

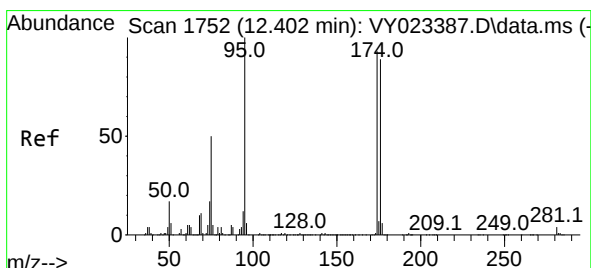
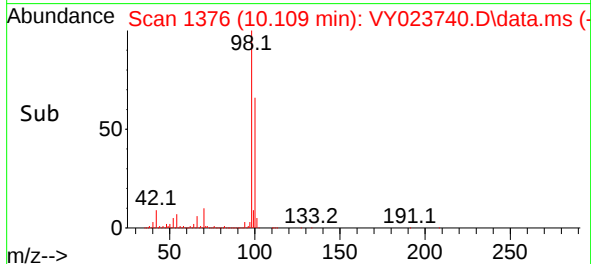
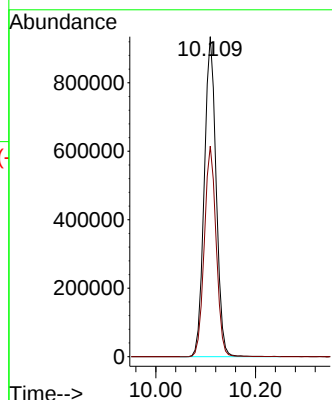
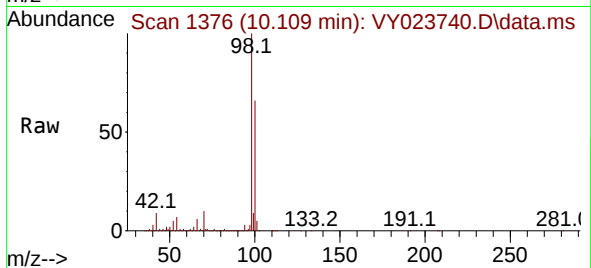




#50
Toluene-d8
Concen: 49.085 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023740.D
Acq: 11 Nov 2025 15:14

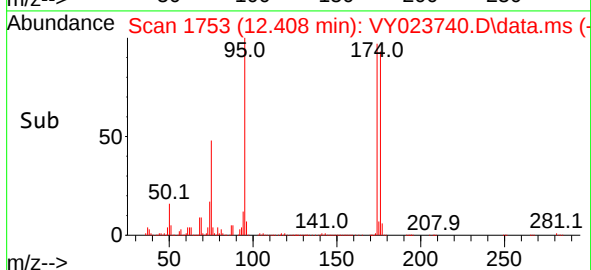
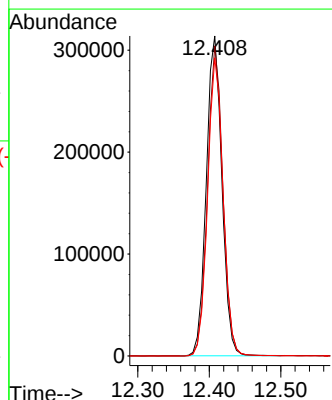
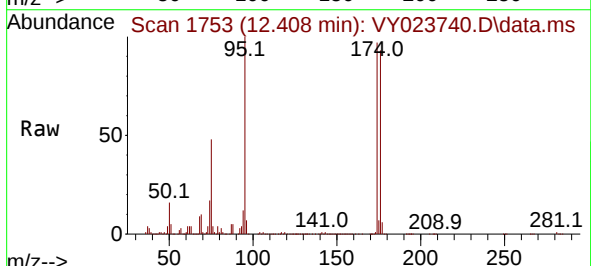
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240

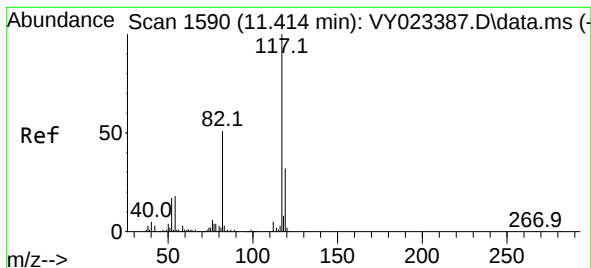
Tgt Ion: 98 Resp: 1542155
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 45.916 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023740.D
Acq: 11 Nov 2025 15:14

Tgt Ion: 95 Resp: 476265
Ion Ratio Lower Upper
95 100
174 95.8 0.0 192.8
176 92.2 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: VY023740.D

Acq: 11 Nov 2025 15:14

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-240

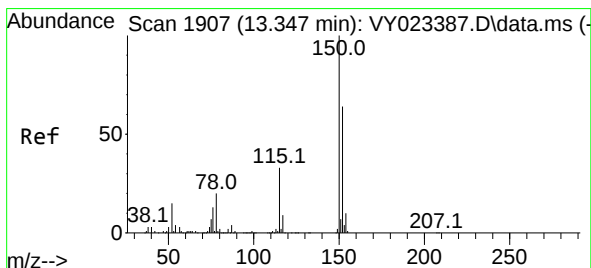
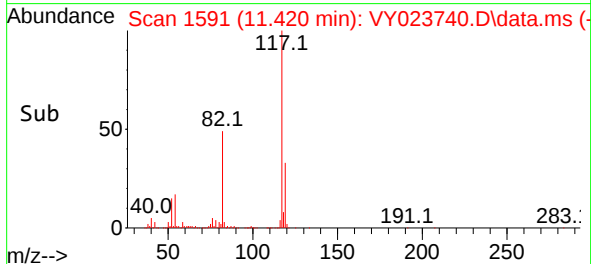
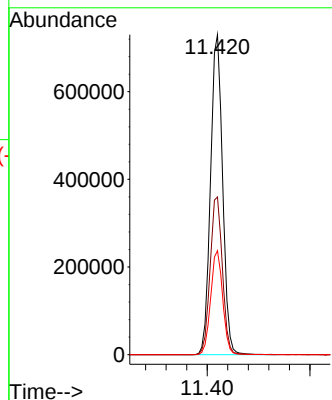
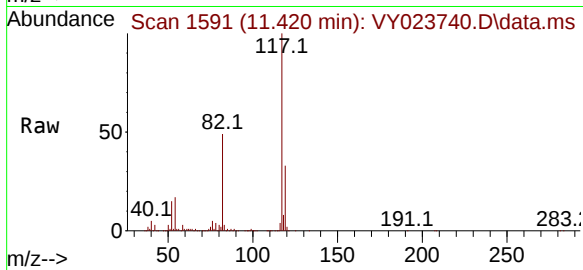
Tgt Ion:117 Resp: 1189709

Ion Ratio Lower Upper

117 100

82 49.3 41.0 61.4

119 32.5 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: VY023740.D

Acq: 11 Nov 2025 15:14

Tgt Ion:152 Resp: 515249

Ion Ratio Lower Upper

152 100

115 54.0 27.1 81.2

150 156.6 0.0 347.4

