

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
 Data File : VY023700.D
 Acq On : 06 Nov 2025 14:54
 Operator : SY/MD
 Sample : Q3564-01
 Misc : 7.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-11062025

Quant Time: Nov 07 04:16:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	790271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1352816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1107610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	400964	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	358985	53.253	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.500%
35) Dibromofluoromethane	7.640	113	419992	49.679	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.360%
50) Toluene-d8	10.109	98	1521259	48.306	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.620%
62) 4-Bromofluorobenzene	12.408	95	409998	40.257	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.520%

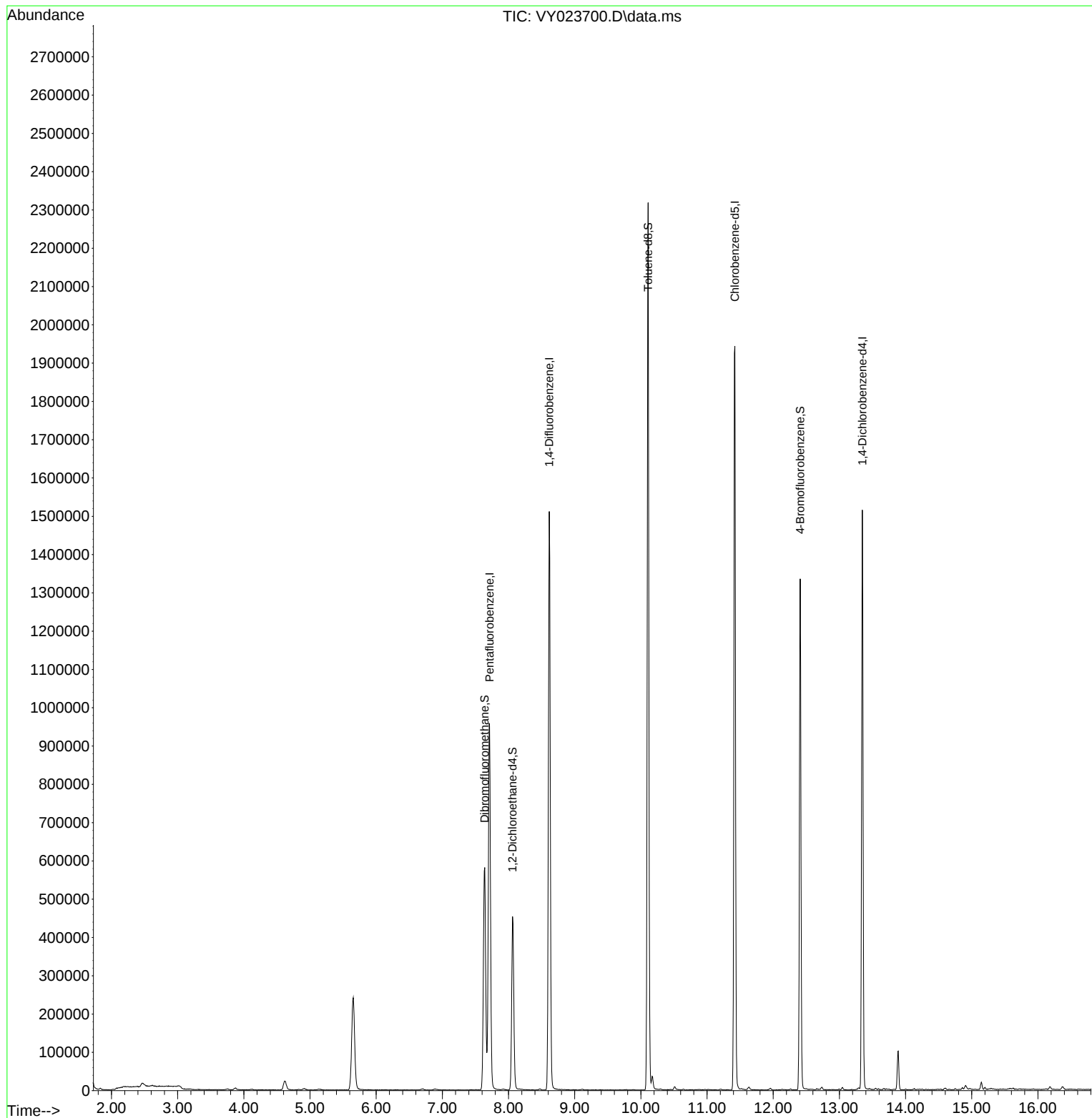
Target Compounds	Qvalue

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

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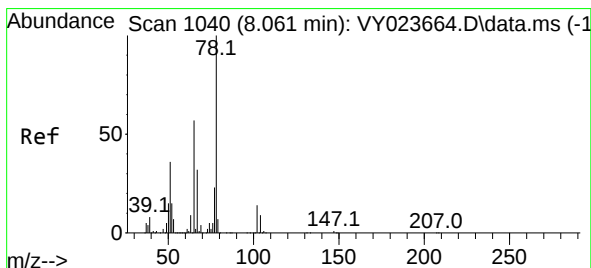
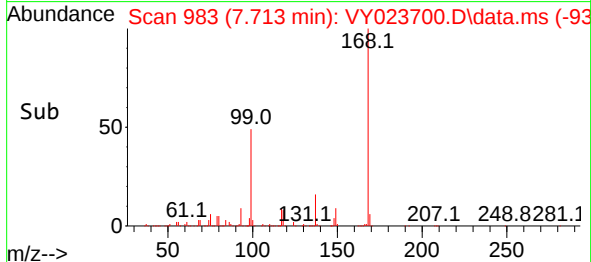
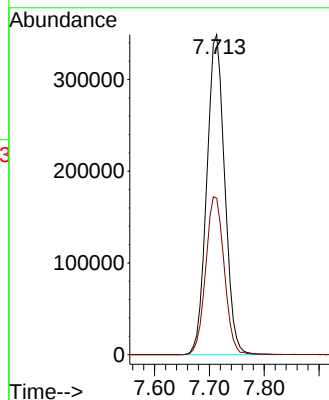
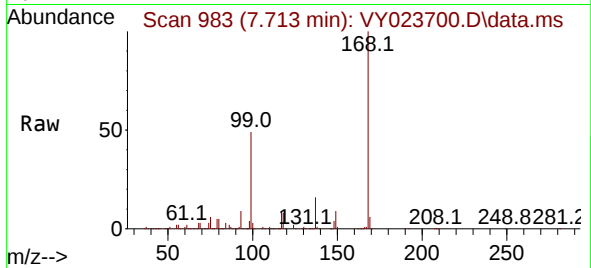




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023700.D
Acq: 06 Nov 2025 14:54

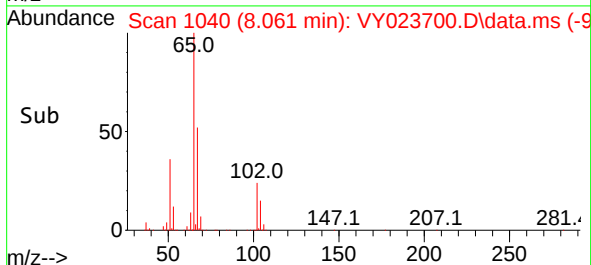
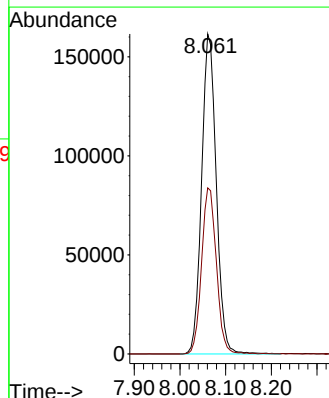
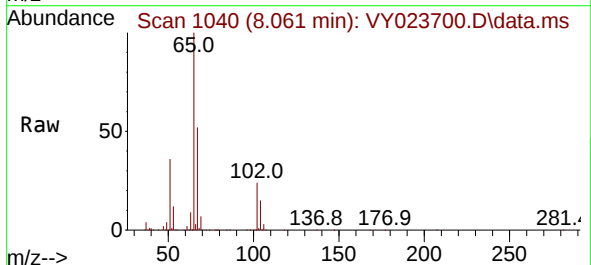
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-11062025

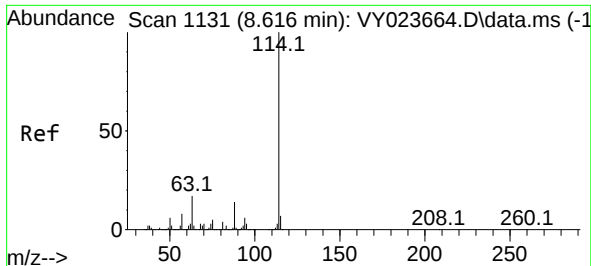
Tgt Ion:168 Resp: 790271
Ion Ratio Lower Upper
168 100
99 48.9 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 53.253 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023700.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 65 Resp: 358985
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023700.D

Acq: 06 Nov 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-11062025

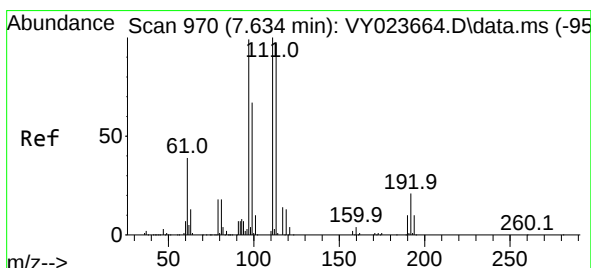
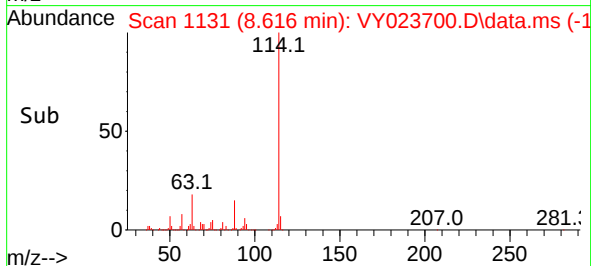
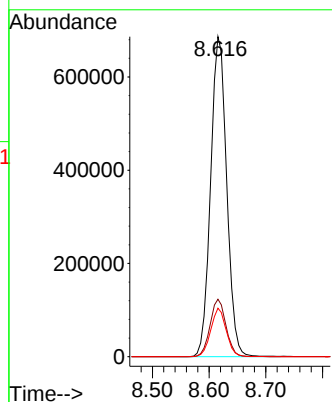
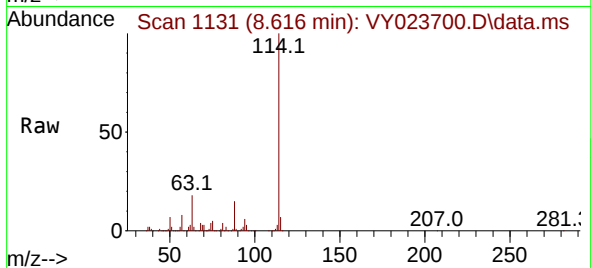
Tgt Ion:114 Resp: 1352816

Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.8

88 15.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 49.679 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023700.D

Acq: 06 Nov 2025 14:54

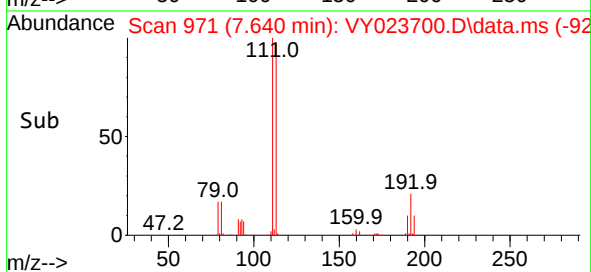
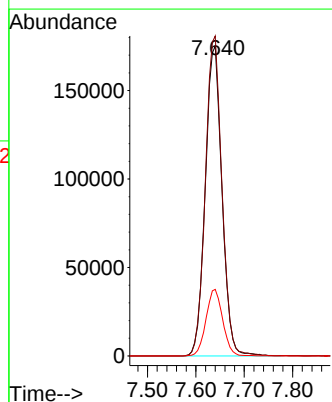
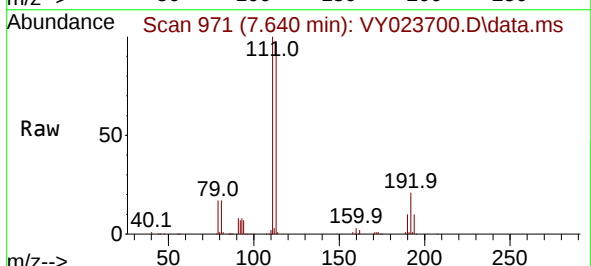
Tgt Ion:113 Resp: 419992

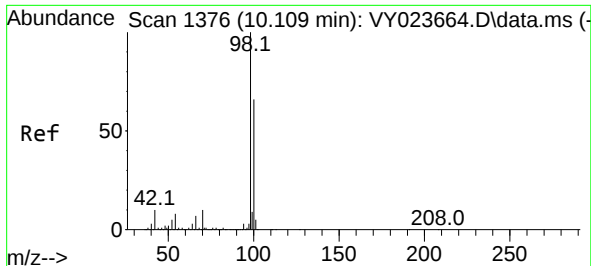
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

192 21.5 17.3 25.9

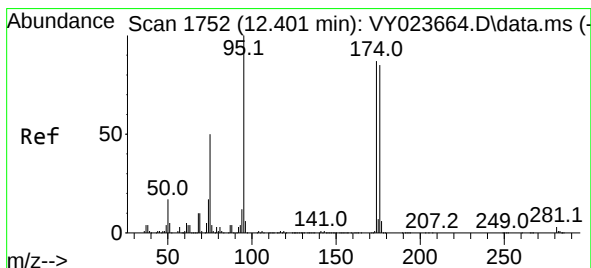
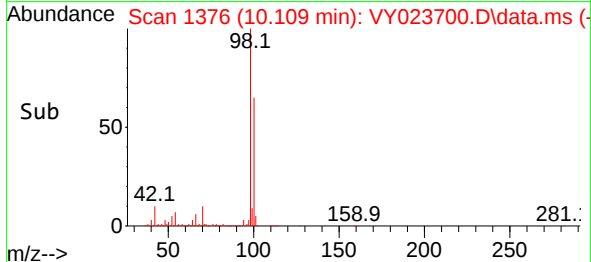
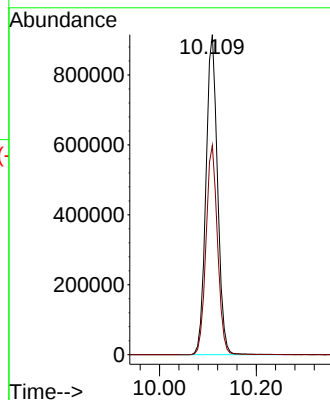
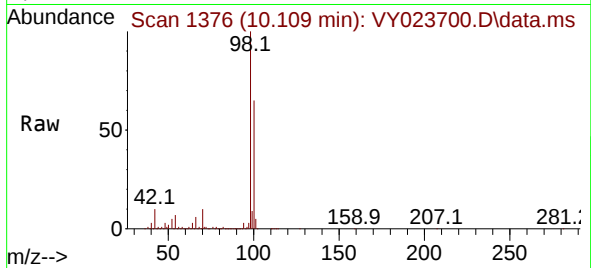




#50
Toluene-d8
Concen: 48.306 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023700.D
Acq: 06 Nov 2025 14:54

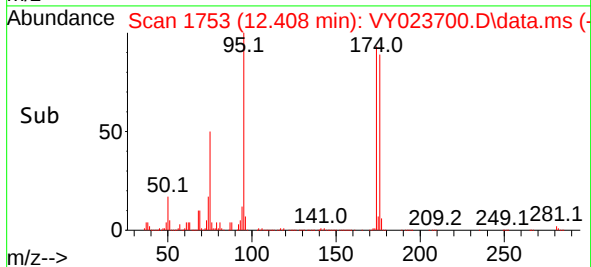
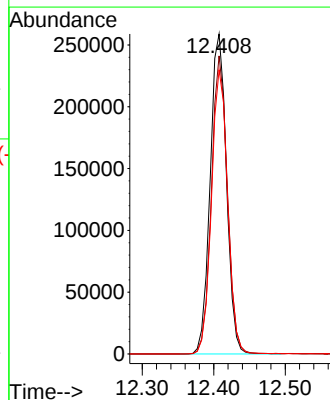
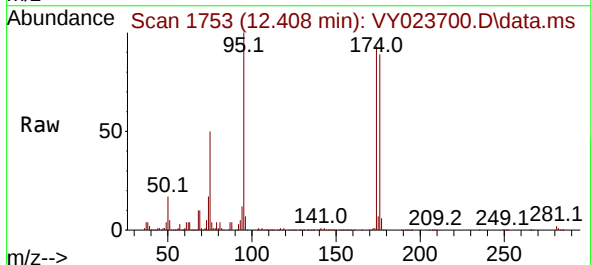
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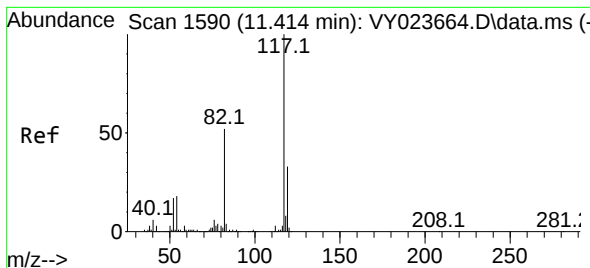
Tgt Ion: 98 Resp: 1521259
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 40.257 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023700.D
Acq: 06 Nov 2025 14:54

Tgt Ion: 95 Resp: 409998
Ion Ratio Lower Upper
95 100
174 91.3 0.0 184.8
176 88.0 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023700.D

Acq: 06 Nov 2025 14:54

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-11062025

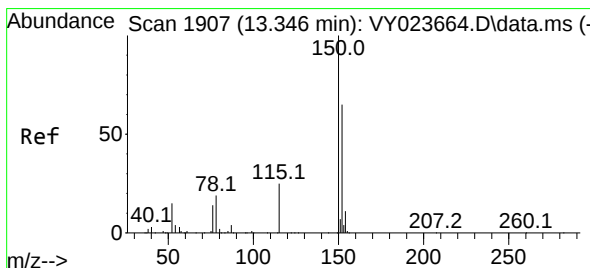
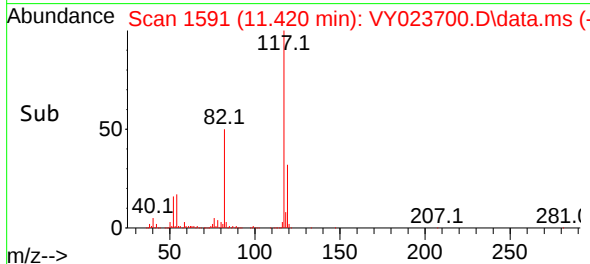
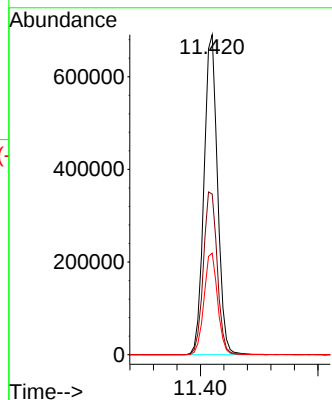
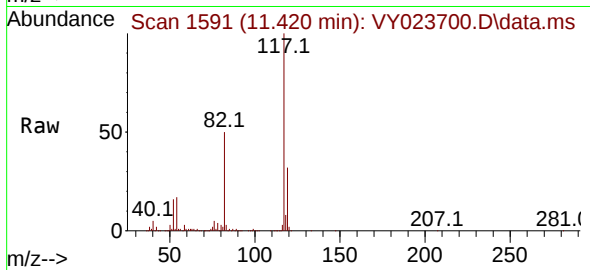
Tgt Ion:117 Resp: 1107610

Ion Ratio Lower Upper

117 100

82 50.2 41.2 61.8

119 31.7 26.2 39.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023700.D

Acq: 06 Nov 2025 14:54

Tgt Ion:152 Resp: 400964

Ion Ratio Lower Upper

152 100

115 56.4 27.5 82.5

150 158.1 0.0 349.0

