

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112425\
 Data File : VY023794.D
 Acq On : 24 Nov 2025 16:48
 Operator : SY/MD
 Sample : Q3711-03
 Misc : 4.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-12017

Quant Time: Nov 26 02:13:39 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	536361	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	976505	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	844215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	312386	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	274247	59.942	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.880%
35) Dibromofluoromethane	7.634	113	312633	51.230	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.460%
50) Toluene-d8	10.109	98	1132687	49.827	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.660%
62) 4-Bromofluorobenzene	12.407	95	313387	42.629	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.260%

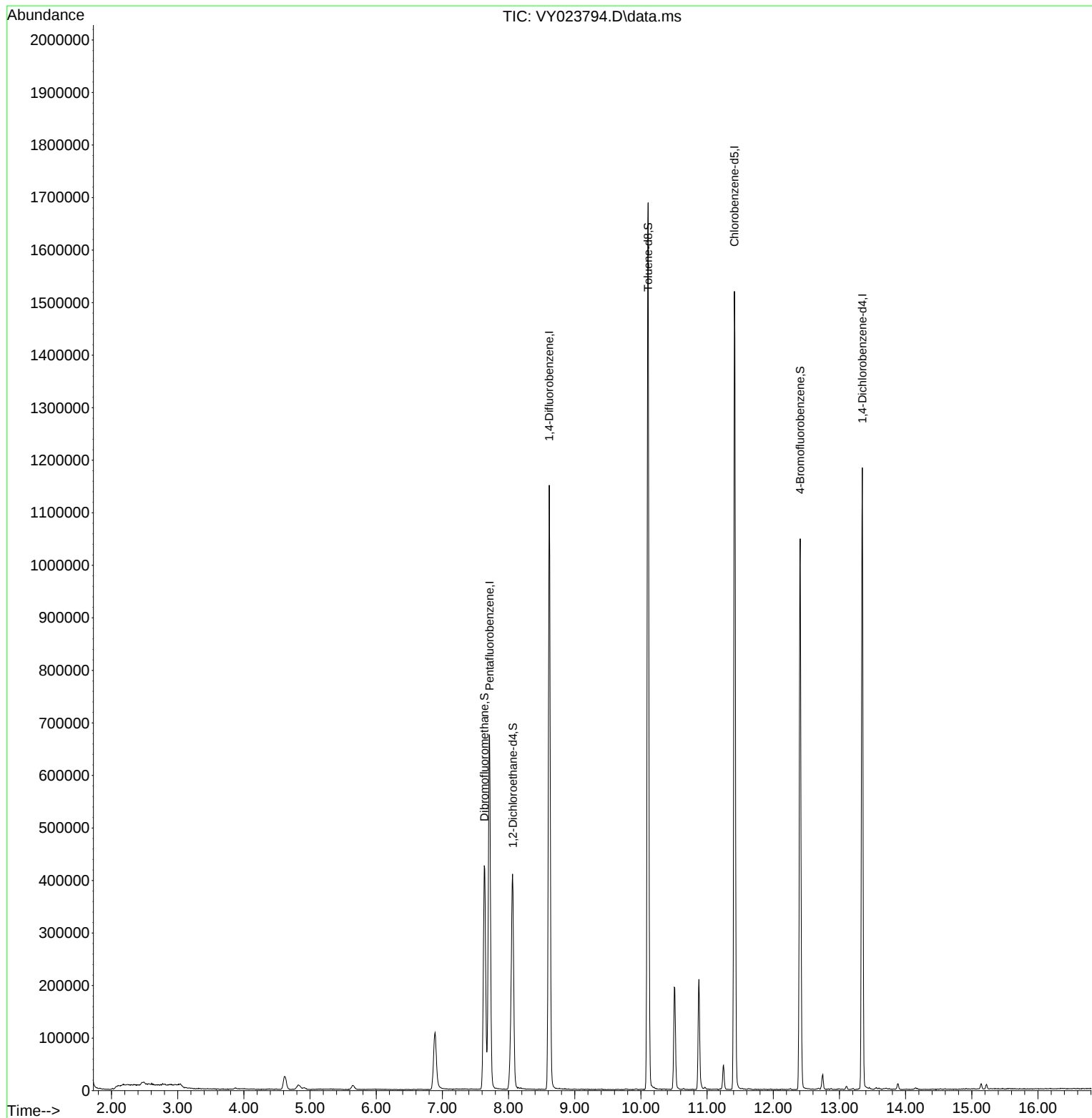
Target Compounds	Qvalue

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

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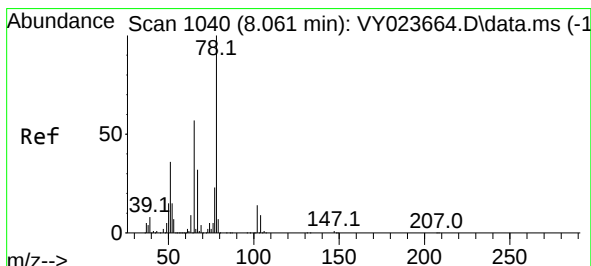
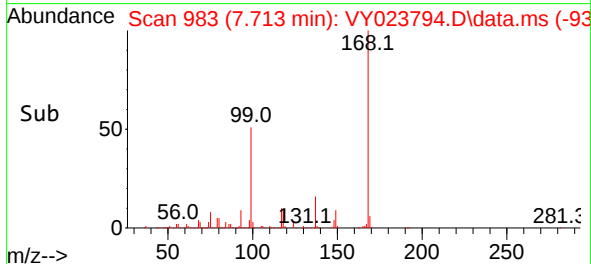
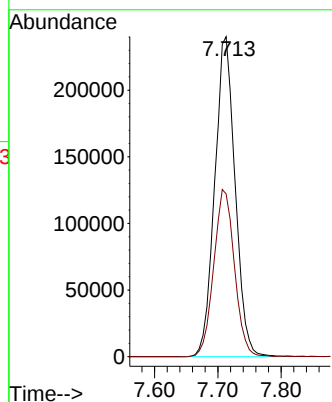
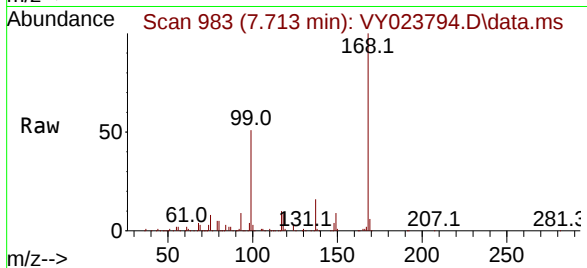




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023794.D
Acq: 24 Nov 2025 16:48

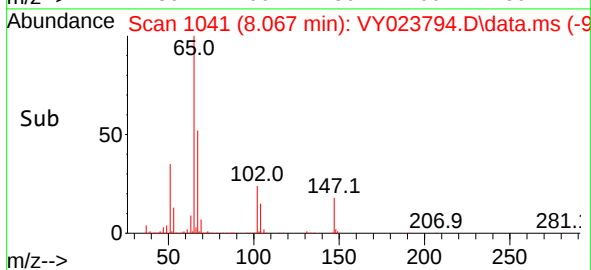
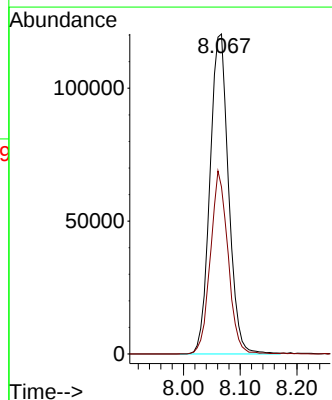
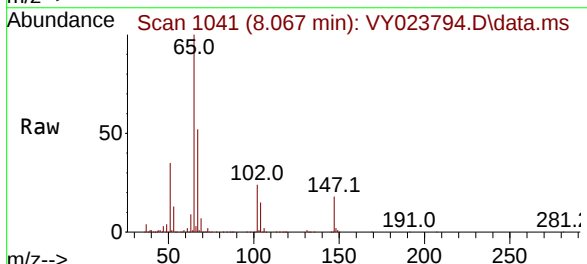
Instrument :
MSVOA_Y
ClientSampleId :
72-12017

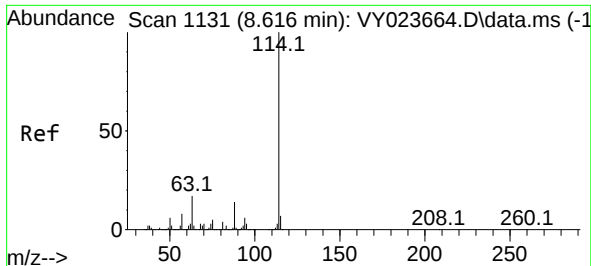
Tgt Ion:168 Resp: 536361
Ion Ratio Lower Upper
168 100
99 50.8 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 59.942 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023794.D
Acq: 24 Nov 2025 16:48

Tgt Ion: 65 Resp: 274247
Ion Ratio Lower Upper
65 100
67 54.2 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023794.D

Acq: 24 Nov 2025 16:48

Instrument :

MSVOA_Y

ClientSampleId :

72-12017

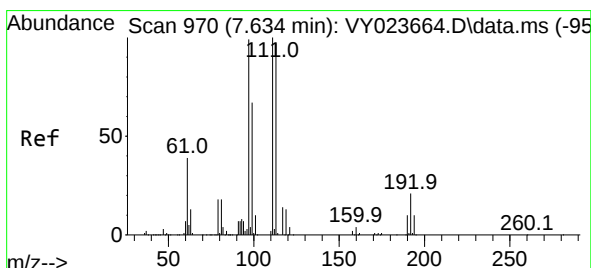
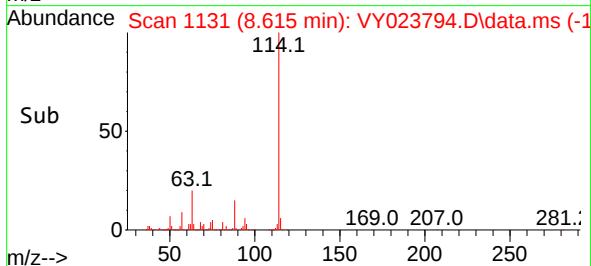
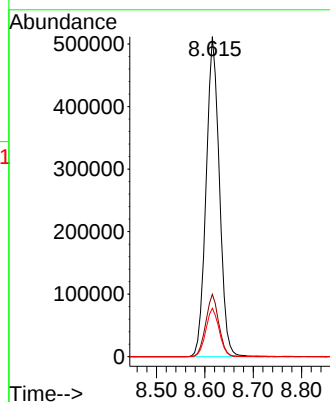
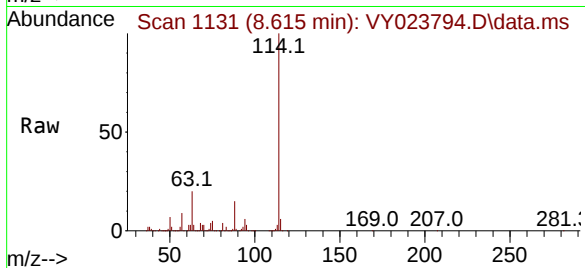
Tgt Ion:114 Resp: 976505

Ion Ratio Lower Upper

114 100

63 19.5 0.0 33.8

88 15.1 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.230 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY023794.D

Acq: 24 Nov 2025 16:48

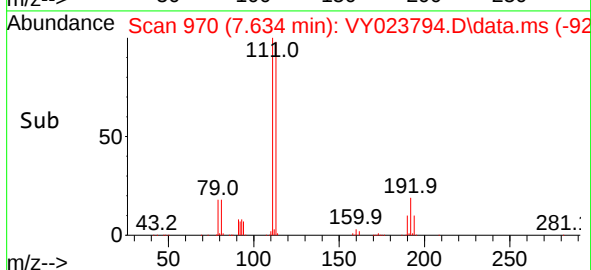
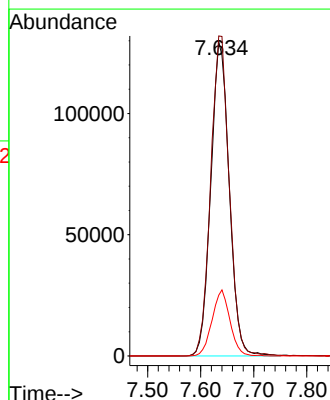
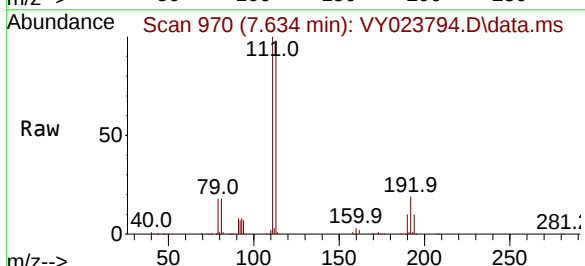
Tgt Ion:113 Resp: 312633

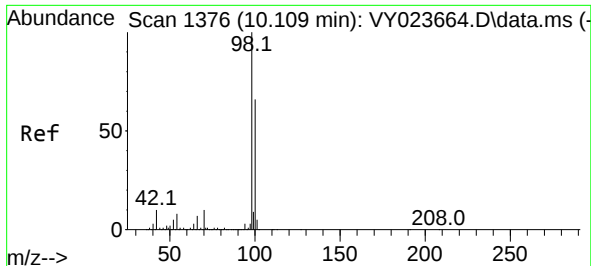
Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.4

192 20.5 17.3 25.9

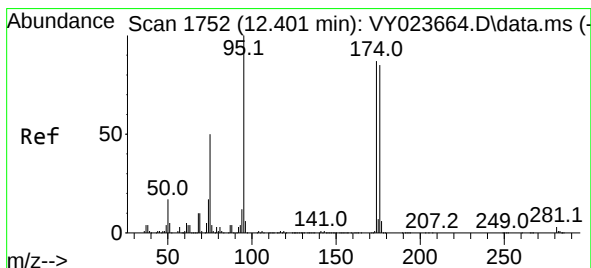
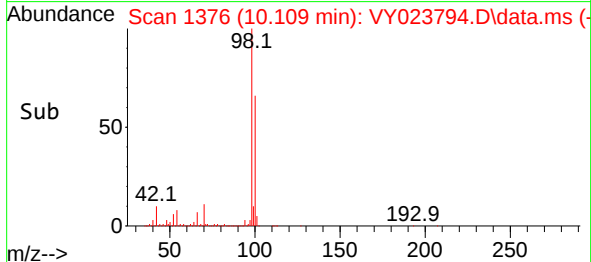
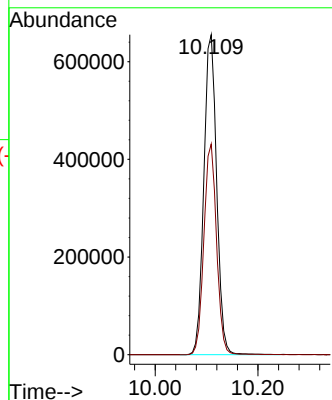
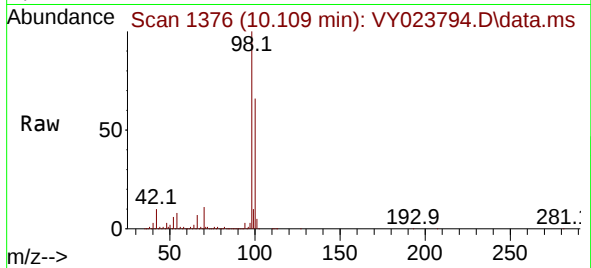




#50
Toluene-d8
Concen: 49.827 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023794.D
Acq: 24 Nov 2025 16:48

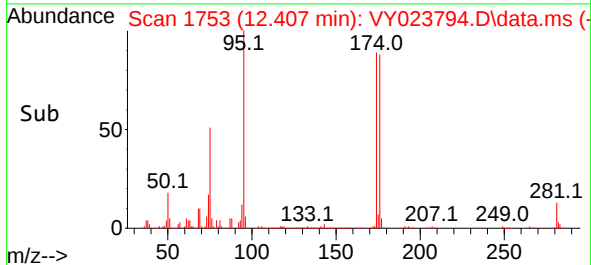
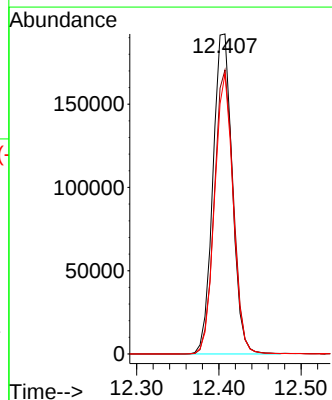
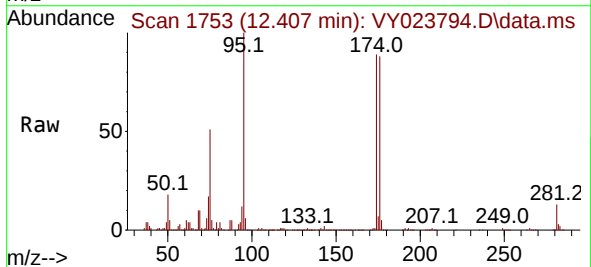
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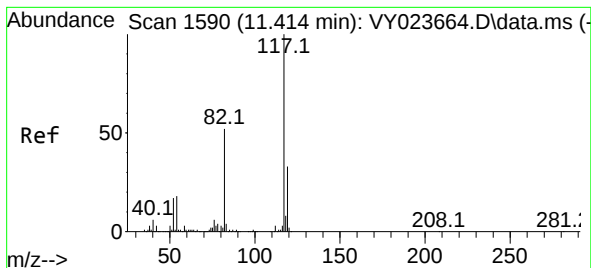
Tgt Ion: 98 Resp: 1132687
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 42.629 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023794.D
Acq: 24 Nov 2025 16:48

Tgt Ion: 95 Resp: 313387
Ion Ratio Lower Upper
95 100
174 87.6 0.0 184.8
176 83.9 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023794.D

Acq: 24 Nov 2025 16:48

Instrument :

MSVOA_Y

ClientSampleId :

72-12017

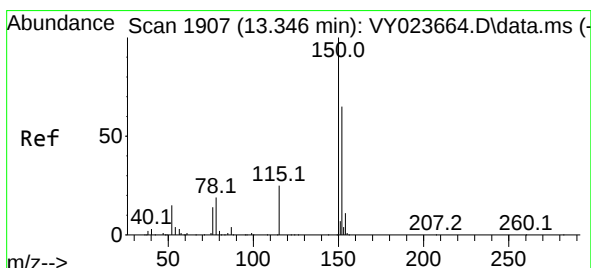
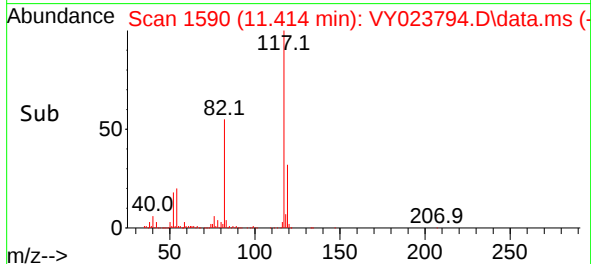
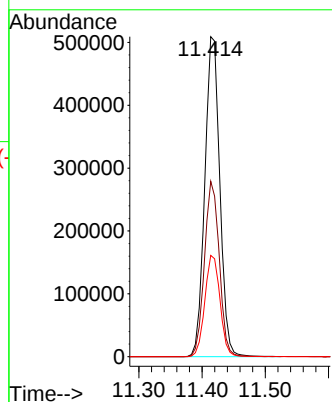
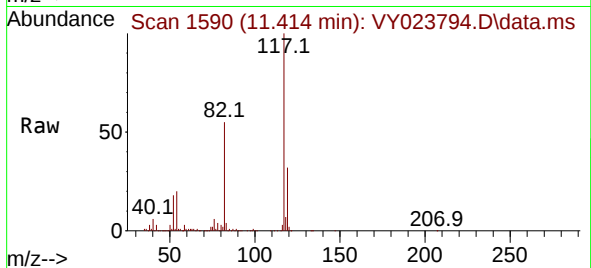
Tgt Ion:117 Resp: 844215

Ion Ratio Lower Upper

117 100

82 54.8 41.2 61.8

119 31.6 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: VY023794.D

Acq: 24 Nov 2025 16:48

Tgt Ion:152 Resp: 312386

Ion Ratio Lower Upper

152 100

115 56.8 27.5 82.5

150 156.4 0.0 349.0

