

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061325\
 Data File : VY022686.D
 Acq On : 13 Jun 2025 10:44
 Operator : SY/MD
 Sample : Q2305-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-06122025

Quant Time: Jun 14 02:02:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	105321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	180787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	140622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	47975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	56026	47.562	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.120%
35) Dibromofluoromethane	7.628	113	55456	51.392	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.780%
50) Toluene-d8	10.103	98	215749	49.482	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.960%
62) 4-Bromofluorobenzene	12.402	95	49253	37.913	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.820%

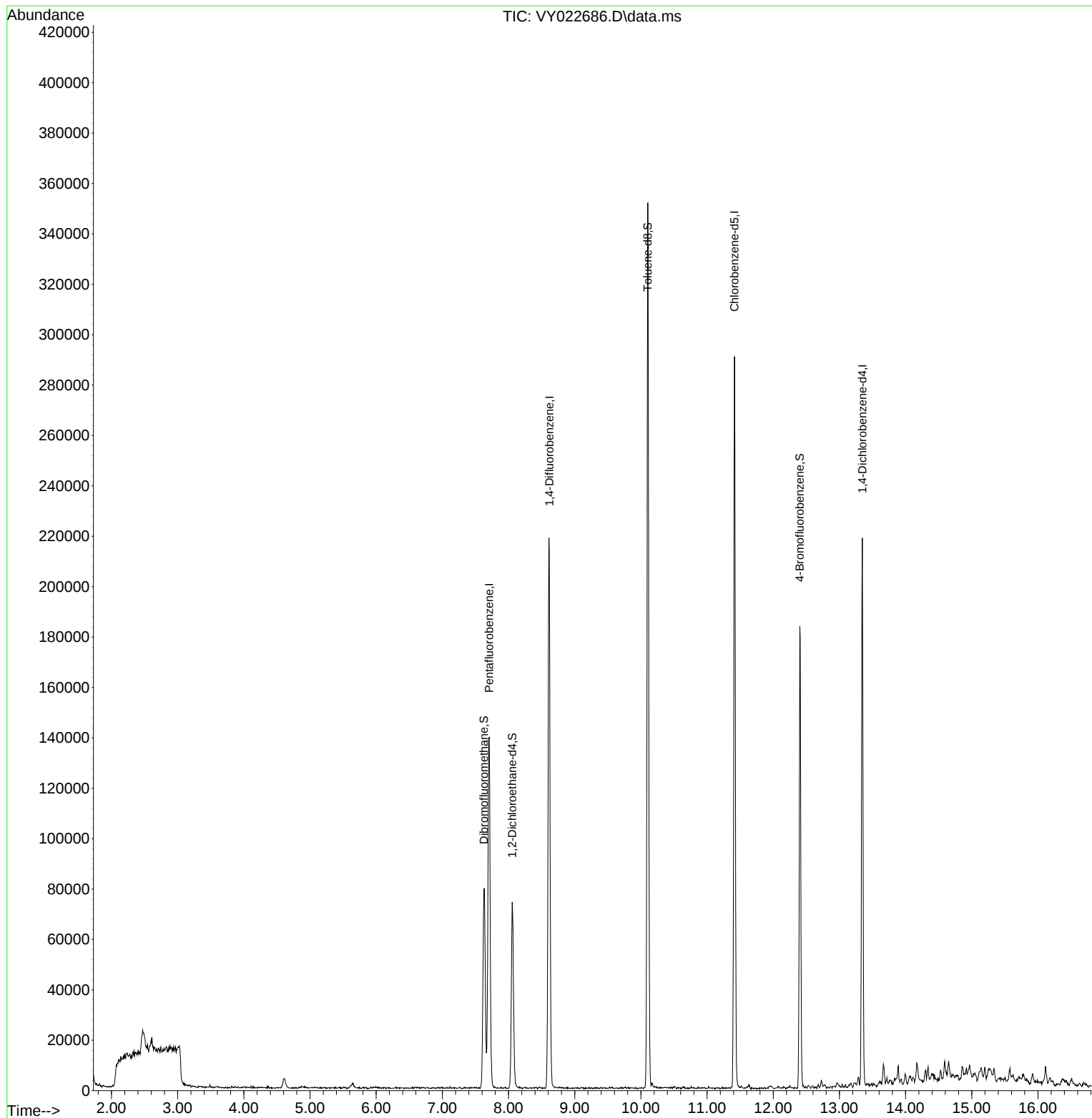
Target Compounds	Qvalue

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

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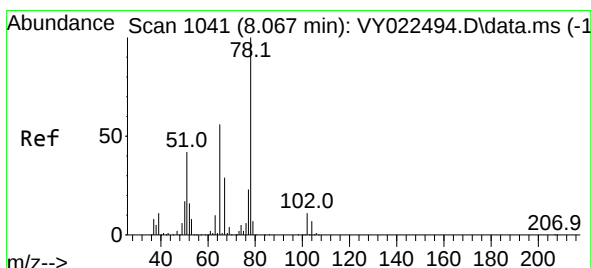
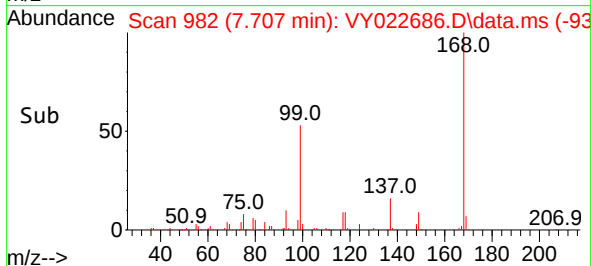
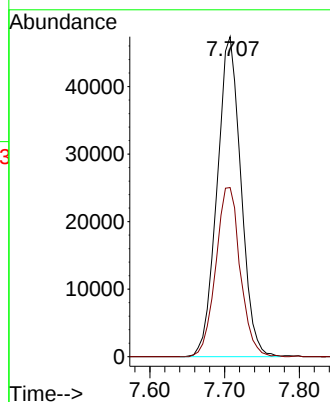
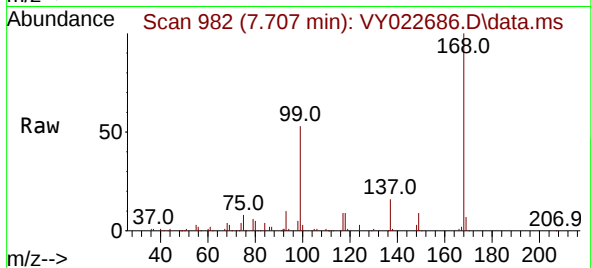




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022686.D
Acq: 13 Jun 2025 10:44

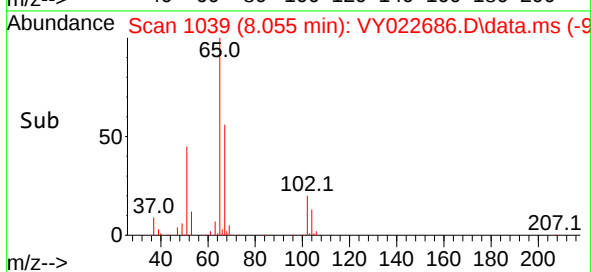
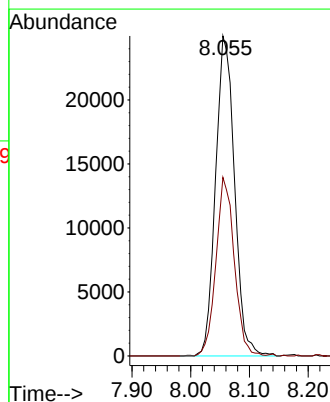
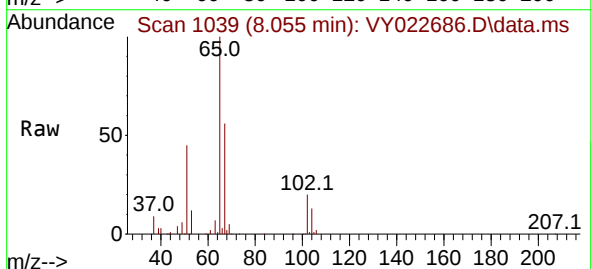
Instrument :
MSVOA_Y
ClientSampleId :
TR-04-06122025

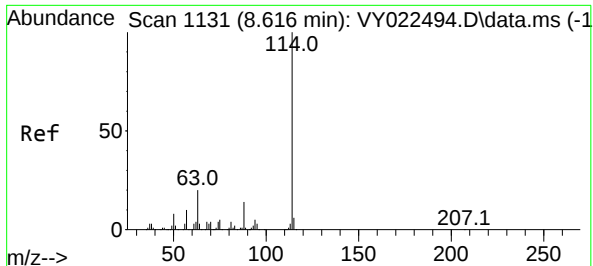
Tgt Ion:168 Resp: 105321
Ion Ratio Lower Upper
168 100
99 52.8 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 47.562 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022686.D
Acq: 13 Jun 2025 10:44

Tgt Ion: 65 Resp: 56026
Ion Ratio Lower Upper
65 100
67 54.0 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022686.D

Acq: 13 Jun 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-06122025

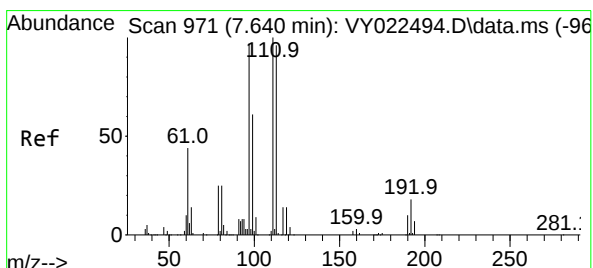
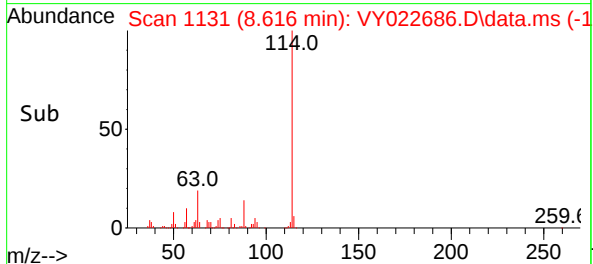
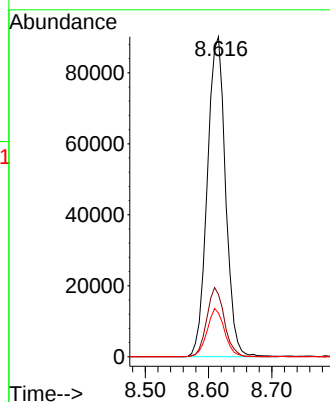
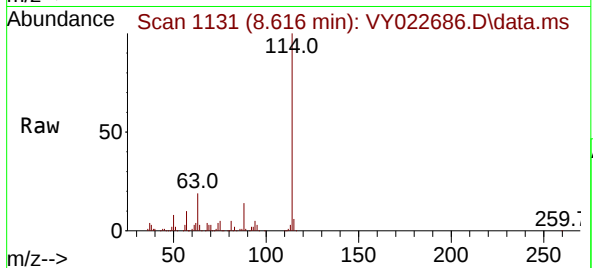
Tgt Ion:114 Resp: 180787

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.8

88 13.6 0.0 27.8



#35

Dibromofluoromethane

Concen: 51.392 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022686.D

Acq: 13 Jun 2025 10:44

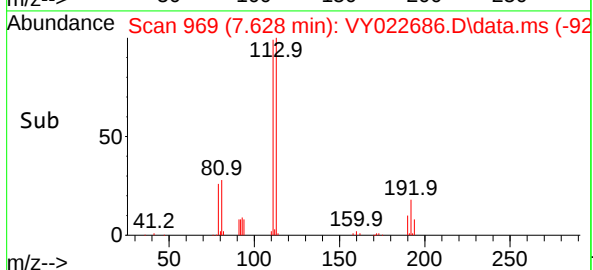
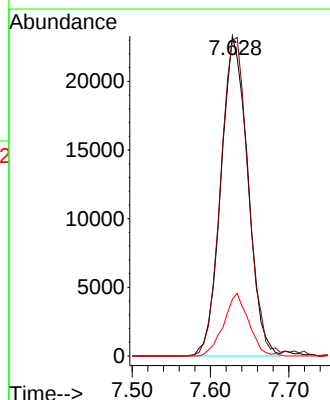
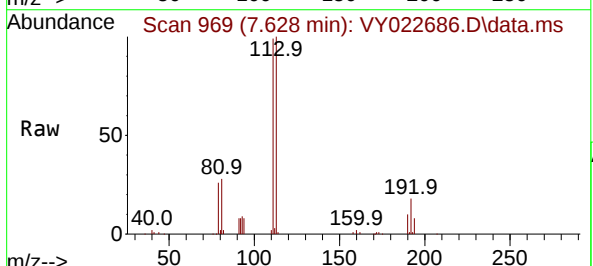
Tgt Ion:113 Resp: 55456

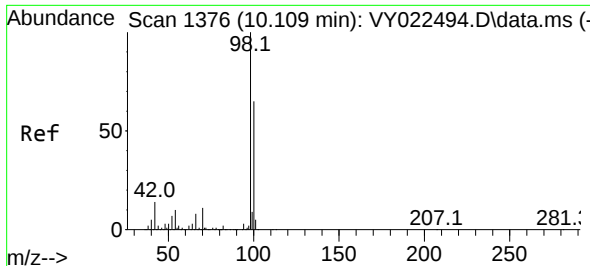
Ion Ratio Lower Upper

113 100

111 102.7 81.1 121.7

192 18.2 14.2 21.2

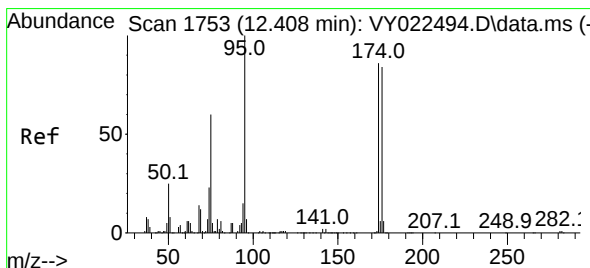
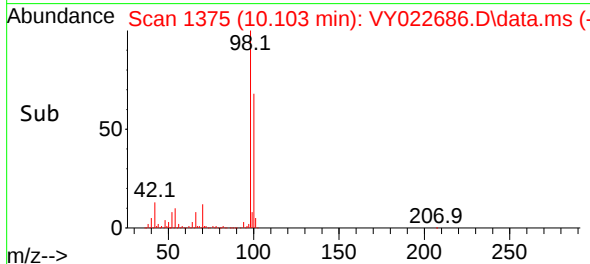
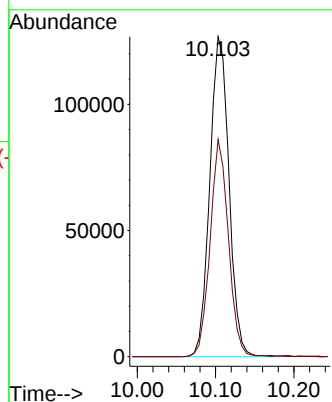
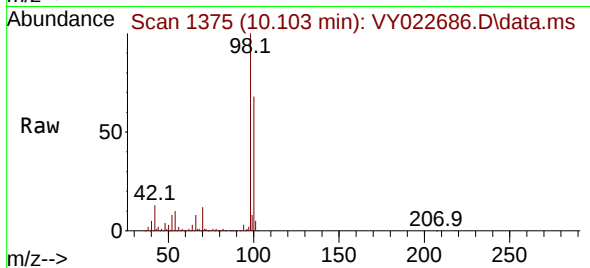




#50
Toluene-d8
Concen: 49.482 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022686.D
Acq: 13 Jun 2025 10:44

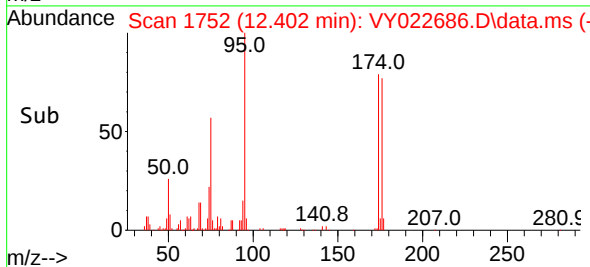
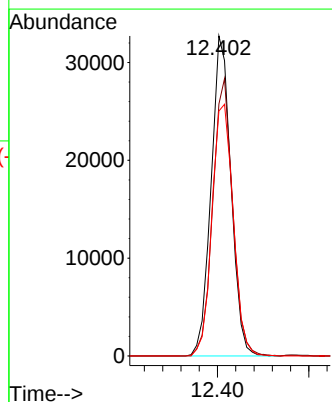
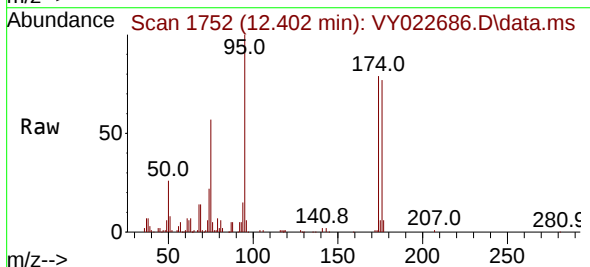
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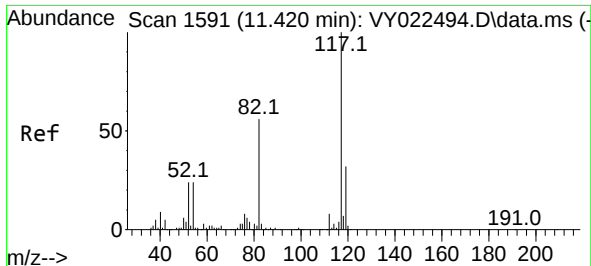
Tgt Ion: 98 Resp: 215749
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 37.913 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022686.D
Acq: 13 Jun 2025 10:44

Tgt Ion: 95 Resp: 49253
Ion Ratio Lower Upper
95 100
174 87.1 0.0 170.0
176 84.5 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022686.D

Acq: 13 Jun 2025 10:44

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-06122025

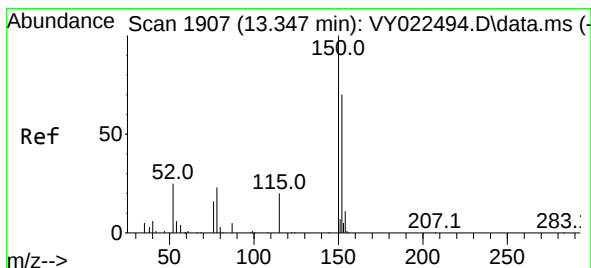
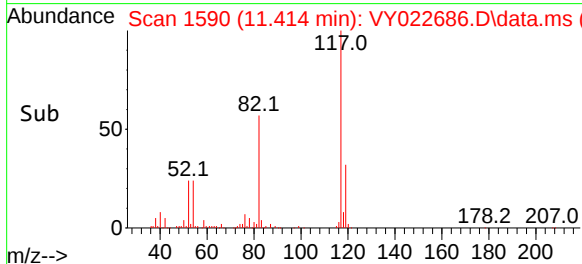
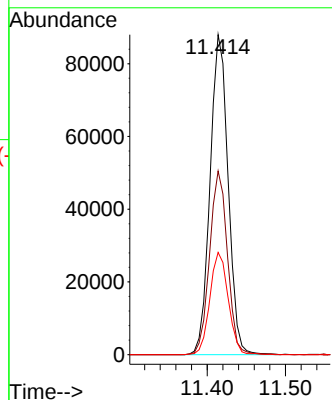
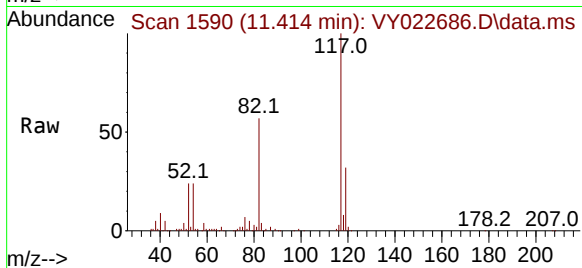
Tgt Ion:117 Resp: 140622

Ion Ratio Lower Upper

117 100

82 57.4 44.6 66.8

119 32.0 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022686.D

Acq: 13 Jun 2025 10:44

Tgt Ion:152 Resp: 47975

Ion Ratio Lower Upper

152 100

115 57.4 28.9 86.7

150 160.0 0.0 349.6

