

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062025\
 Data File : VY022766.D
 Acq On : 20 Jun 2025 16:18
 Operator : SY/MD
 Sample : Q2380-01
 Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11948

Quant Time: Jun 21 02:41:39 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	7.713	168	101191	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	191702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	159388	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	59601	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	60884	53.796	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.600%
35) Dibromofluoromethane	7.634	113	58700	51.301	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.600%
50) Toluene-d8	10.109	98	228504	49.423	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.840%
62) 4-Bromofluorobenzene	12.408	95	58931	42.780	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.560%

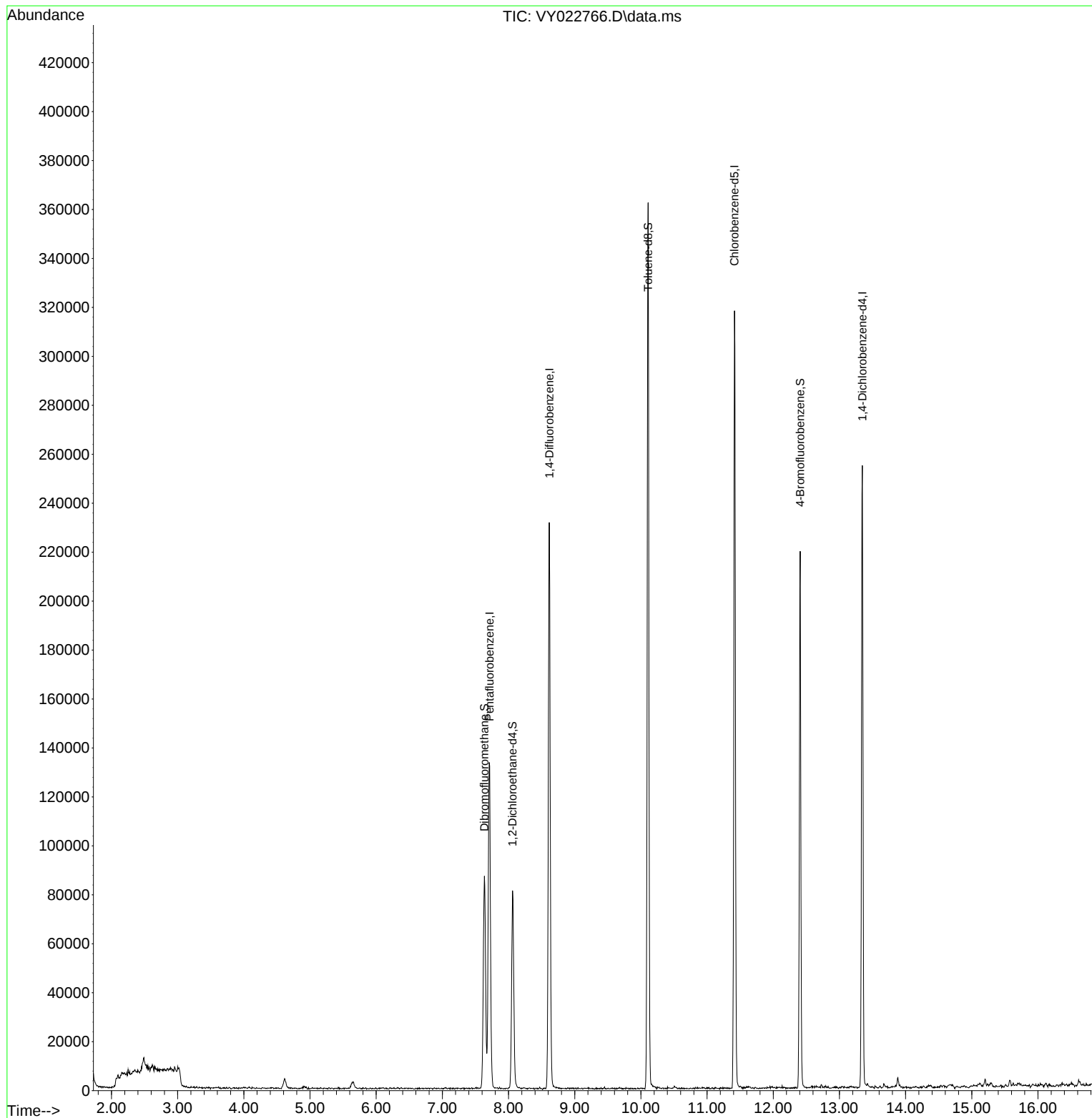
Target Compounds	Qvalue

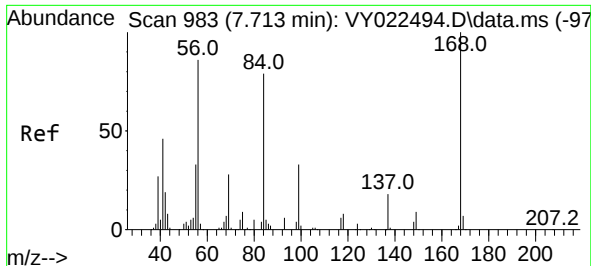
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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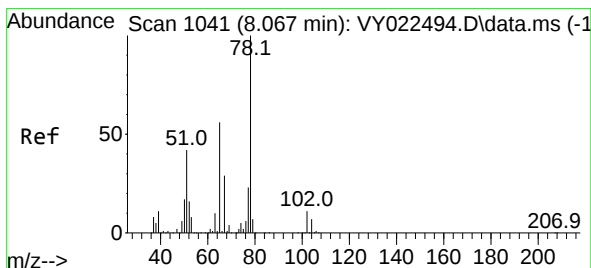
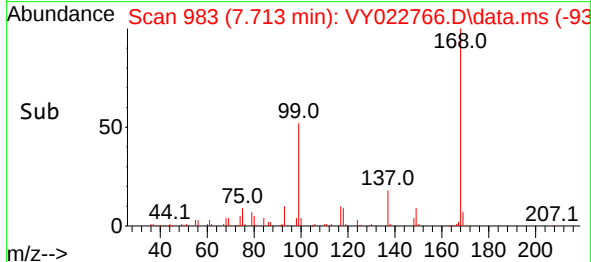
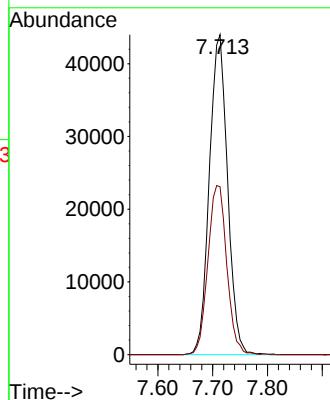
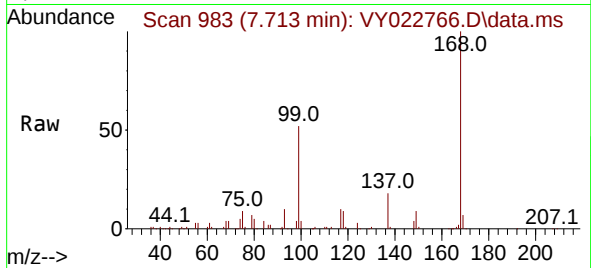




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022766.D
Acq: 20 Jun 2025 16:18

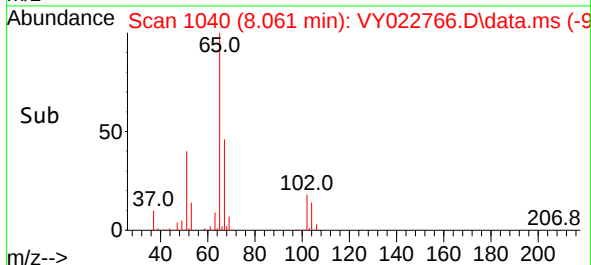
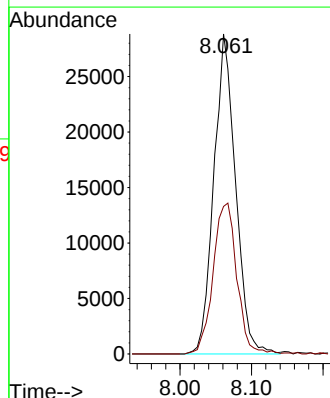
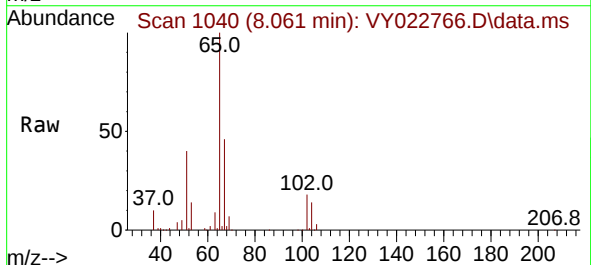
Instrument :
MSVOA_Y
ClientSampleId :
72-11948

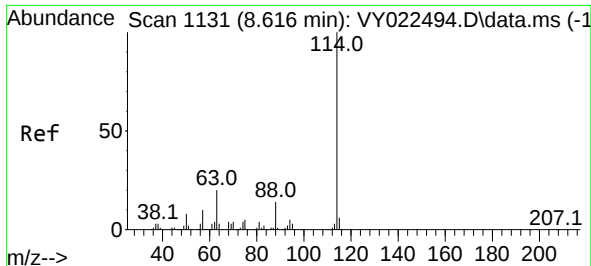
Tgt Ion:168 Resp: 101191
Ion Ratio Lower Upper
168 100
99 52.5 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 53.796 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022766.D
Acq: 20 Jun 2025 16:18

Tgt Ion: 65 Resp: 60884
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.4

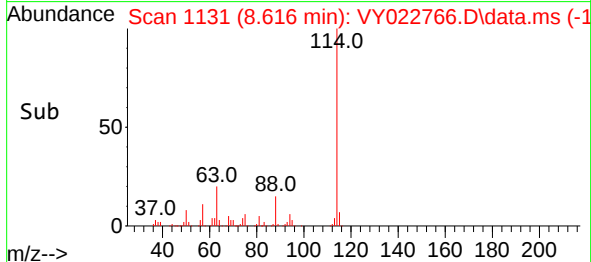
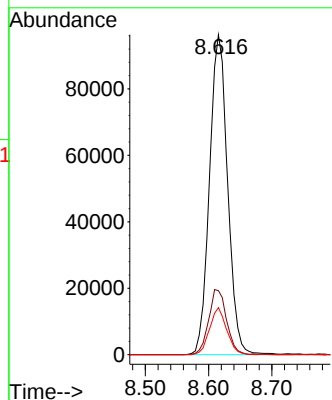
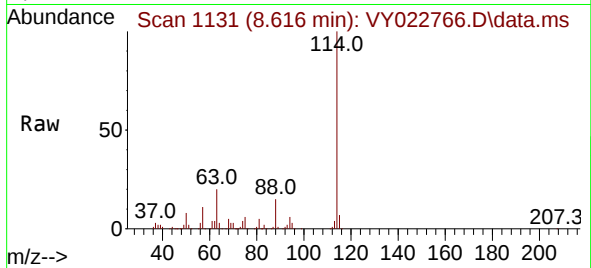




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022766.D
Acq: 20 Jun 2025 16:18

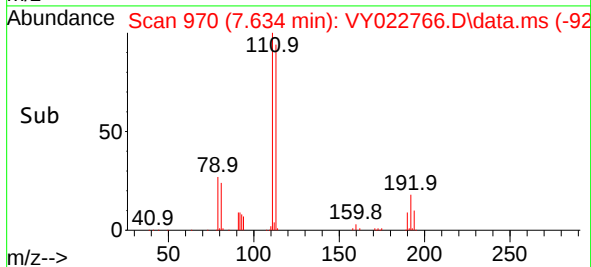
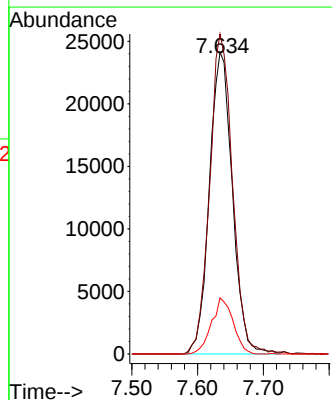
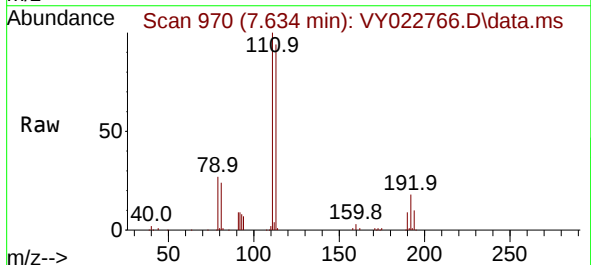
Instrument :
MSVOA_Y
ClientSampleId :
72-11948

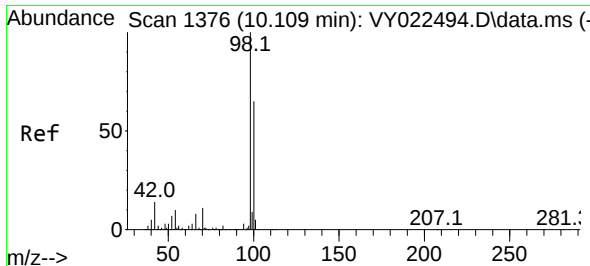
Tgt Ion:114 Resp: 191702
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.8
88 14.7 0.0 27.8



#35
Dibromofluoromethane
Concen: 51.301 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022766.D
Acq: 20 Jun 2025 16:18

Tgt Ion:113 Resp: 58700
Ion Ratio Lower Upper
113 100
111 105.3 81.1 121.7
192 17.4 14.2 21.2

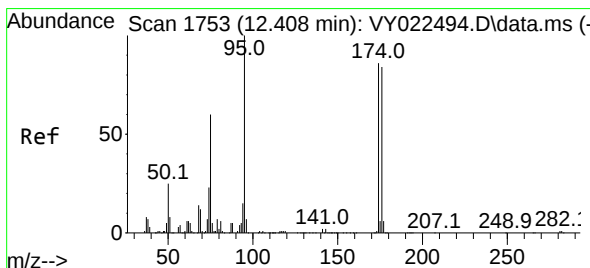
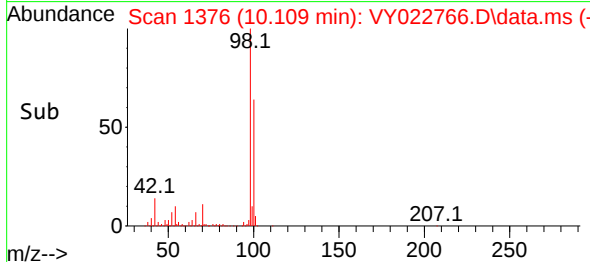
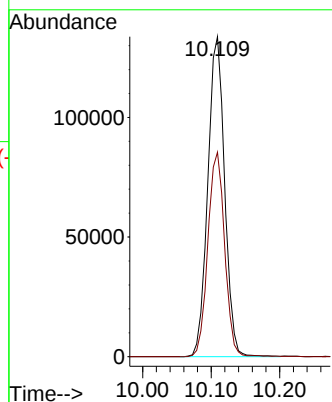
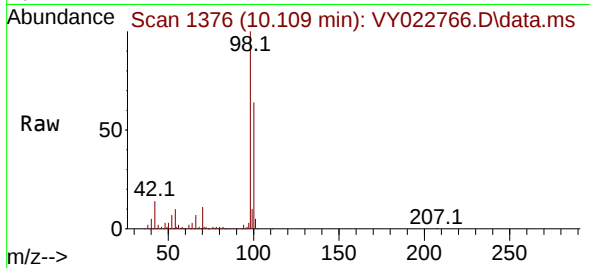




#50
Toluene-d8
Concen: 49.423 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022766.D
Acq: 20 Jun 2025 16:18

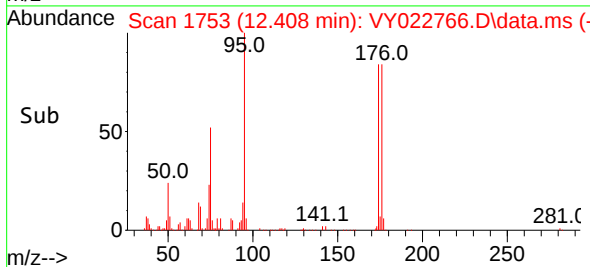
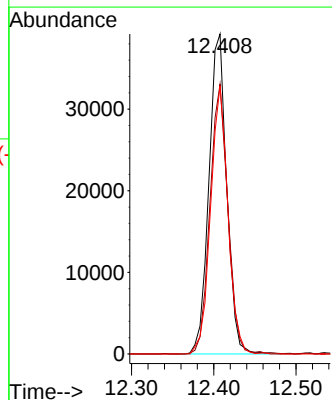
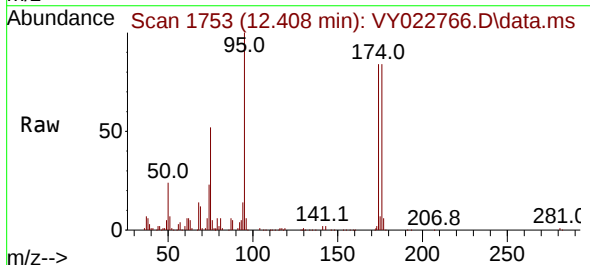
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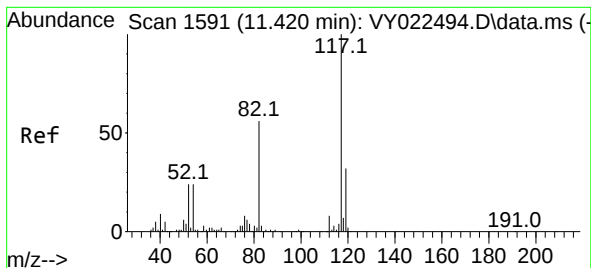
Tgt Ion: 98 Resp: 228504
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.780 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022766.D
Acq: 20 Jun 2025 16:18

Tgt Ion: 95 Resp: 58931
Ion Ratio Lower Upper
95 100
174 85.2 0.0 170.0
176 81.9 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY022766.D

Acq: 20 Jun 2025 16:18

Instrument :

MSVOA_Y

ClientSampleId :

72-11948

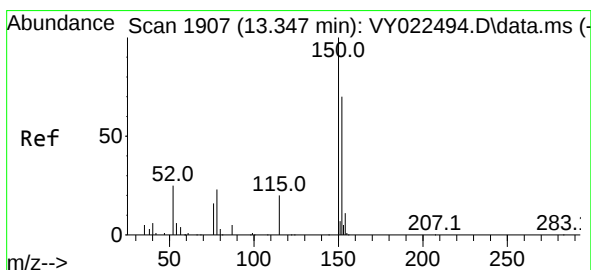
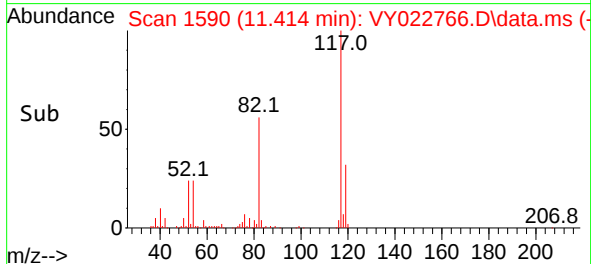
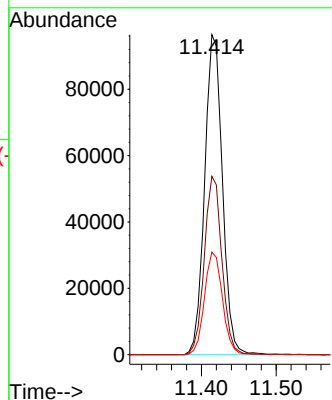
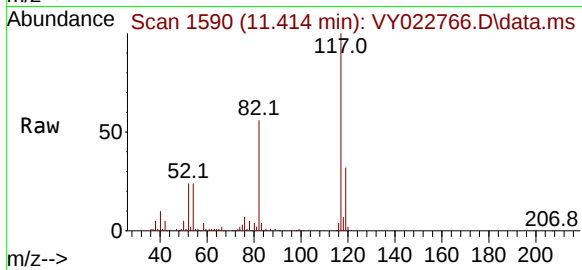
Tgt Ion:117 Resp: 159388

Ion Ratio Lower Upper

117 100

82 55.7 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: VY022766.D

Acq: 20 Jun 2025 16:18

Tgt Ion:152 Resp: 59601

Ion Ratio Lower Upper

152 100

115 58.6 28.9 86.7

150 156.8 0.0 349.6

