

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022915.D
 Acq On : 02 Jul 2025 16:20
 Operator : SY/MD
 Sample : Q2458-08
 Misc : 4.91g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-63

Quant Time: Jul 03 02:24:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	278456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	537398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	515031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	195752	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	166821	53.677	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.360%
35) Dibromofluoromethane	7.634	113	166540	50.958	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.920%
50) Toluene-d8	10.103	98	648984	50.042	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.080%
62) 4-Bromofluorobenzene	12.401	95	212971	51.084	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.160%

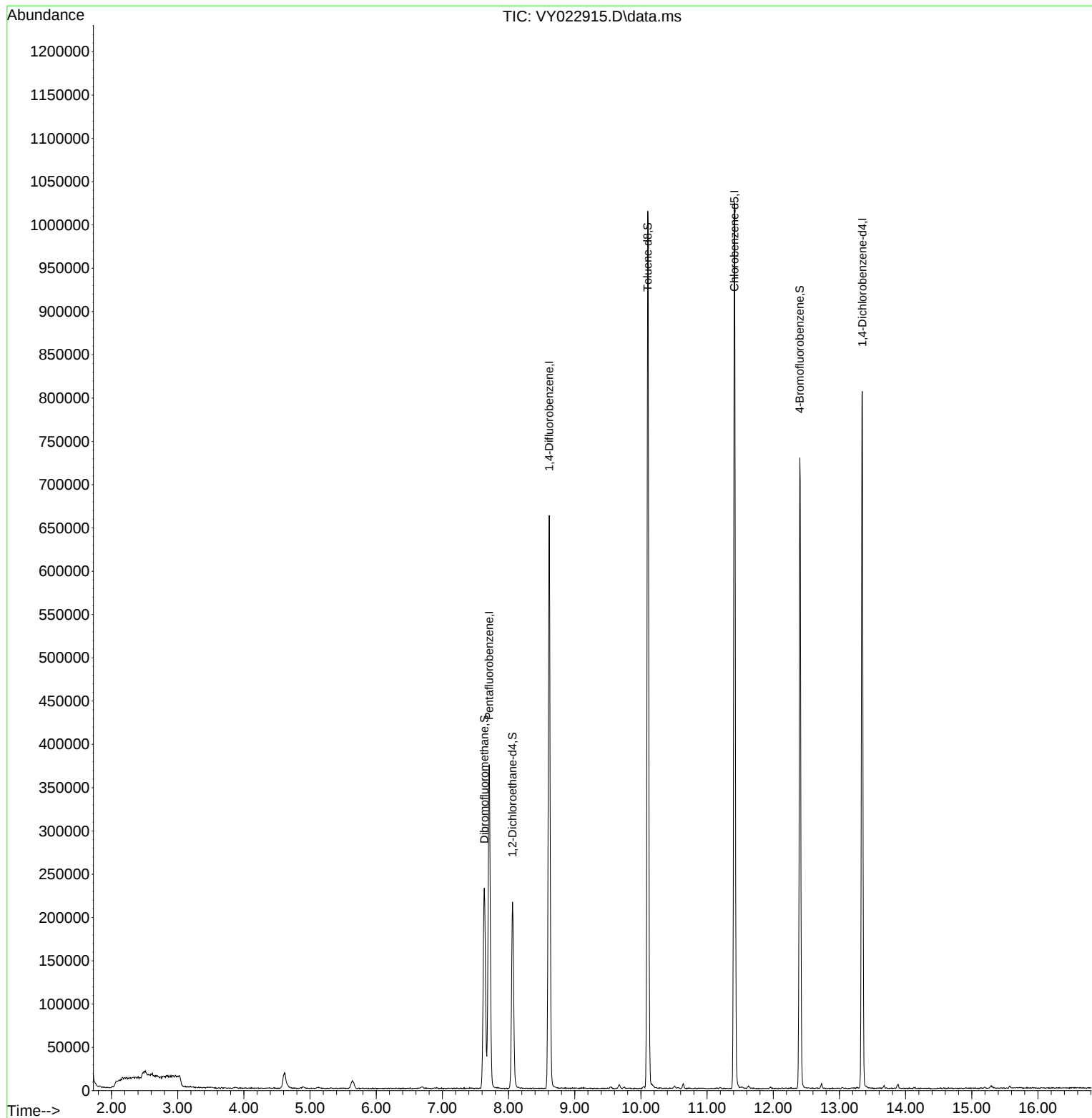
Target Compounds	Qvalue

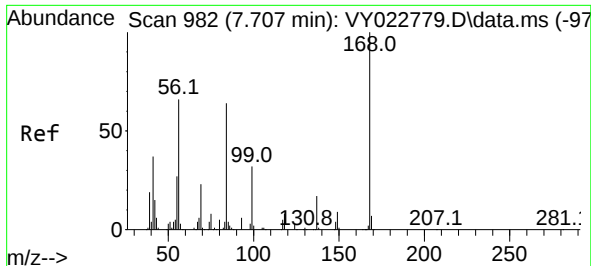
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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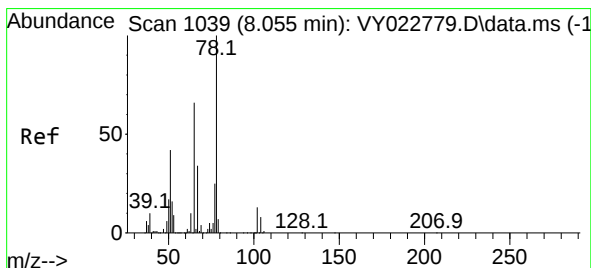
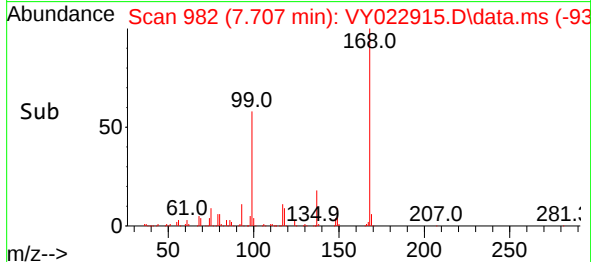
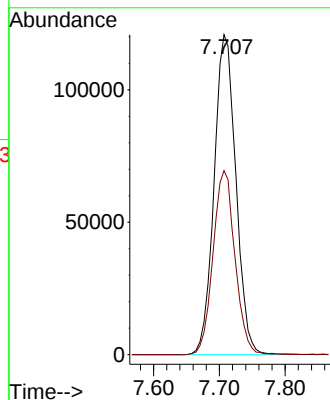
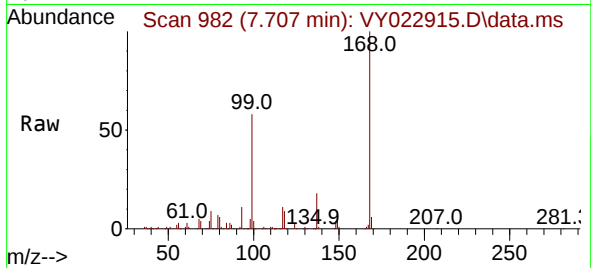




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022915.D
Acq: 02 Jul 2025 16:20

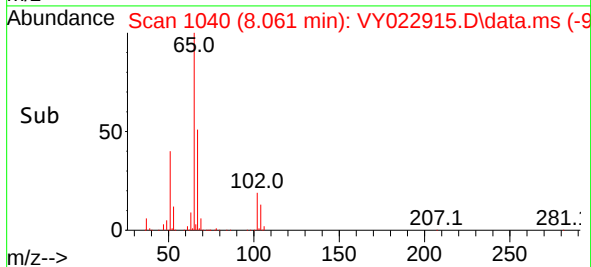
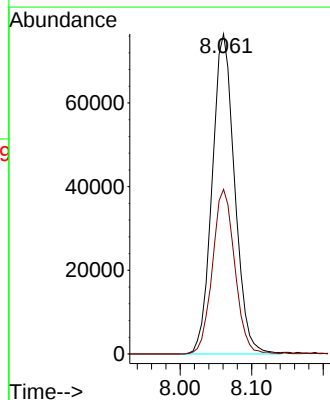
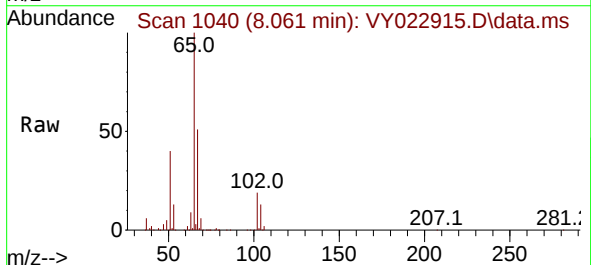
Instrument :
MSVOA_Y
ClientSampleId :
TP-63

Tgt Ion:168 Resp: 278456
Ion Ratio Lower Upper
168 100
99 57.5 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 53.677 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022915.D
Acq: 02 Jul 2025 16:20

Tgt Ion: 65 Resp: 166821
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.4

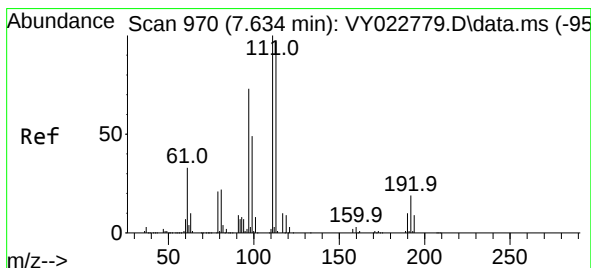
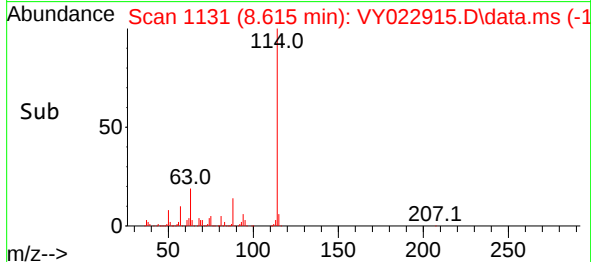
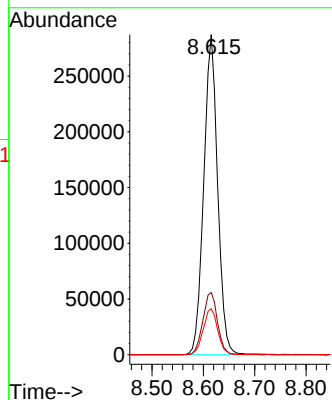
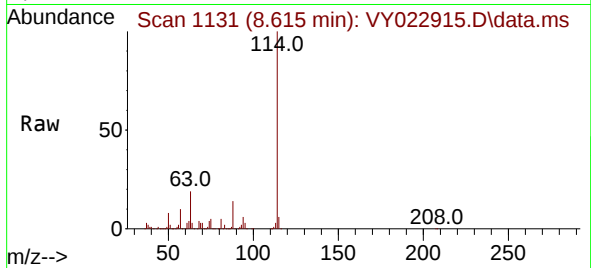




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022915.D
Acq: 02 Jul 2025 16:20

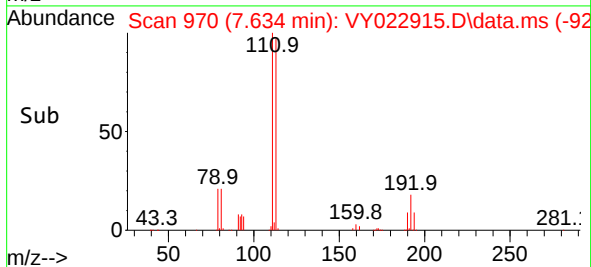
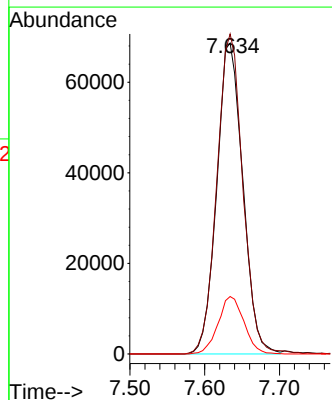
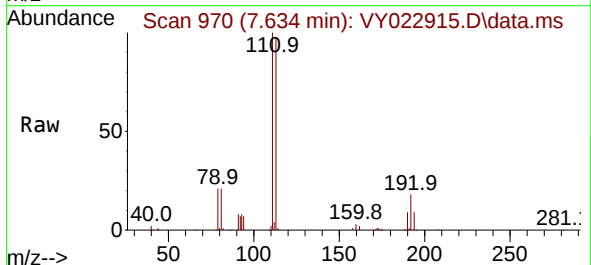
Instrument :
MSVOA_Y
ClientSampleId :
TP-63

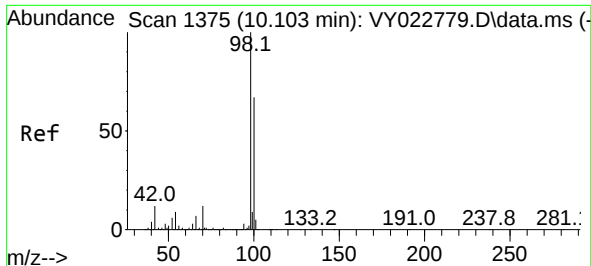
Tgt Ion:114 Resp: 537398
Ion Ratio Lower Upper
114 100
63 19.4 0.0 40.8
88 14.4 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.958 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022915.D
Acq: 02 Jul 2025 16:20

Tgt Ion:113 Resp: 166540
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 18.3 14.2 21.2

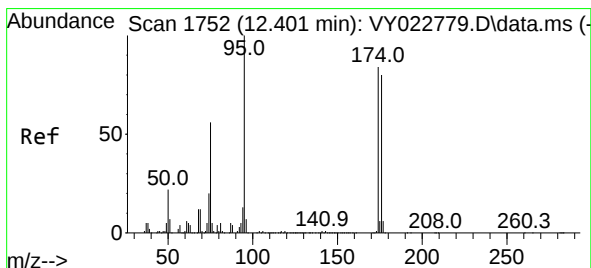
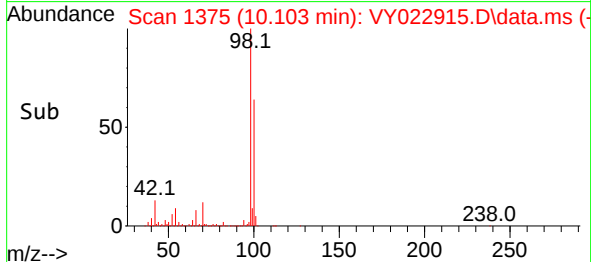
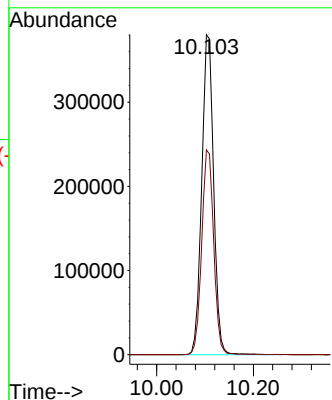
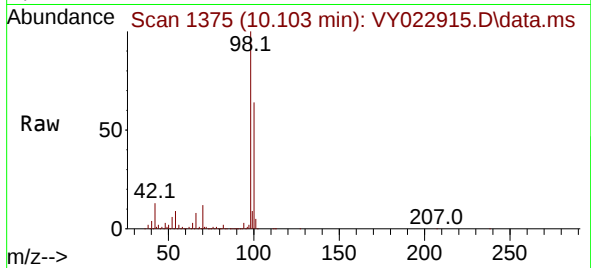




#50
Toluene-d8
Concen: 50.042 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022915.D
Acq: 02 Jul 2025 16:20

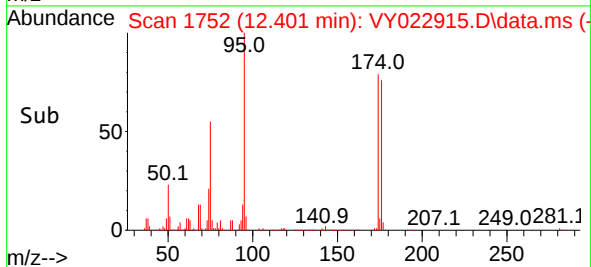
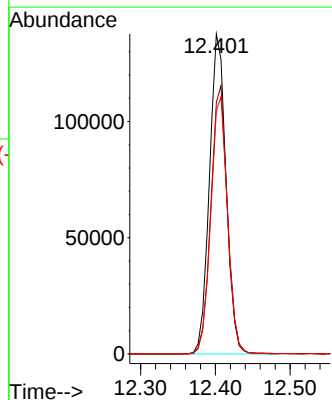
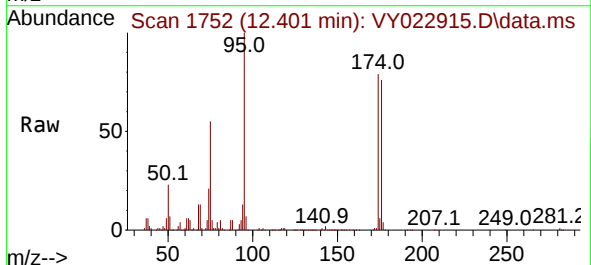
Instrument :
MSVOA_Y
ClientSampleId :
TP-63

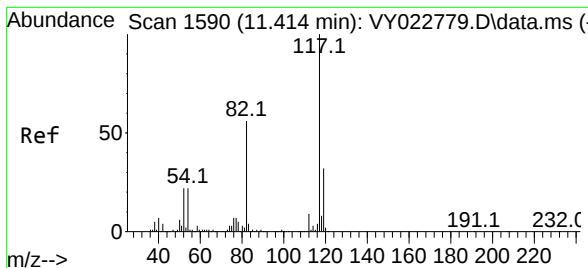
Tgt Ion: 98 Resp: 648984
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 51.084 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022915.D
Acq: 02 Jul 2025 16:20

Tgt Ion: 95 Resp: 212971
Ion Ratio Lower Upper
95 100
174 83.6 0.0 170.0
176 80.7 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022915.D

Acq: 02 Jul 2025 16:20

Instrument :

MSVOA_Y

ClientSampleId :

TP-63

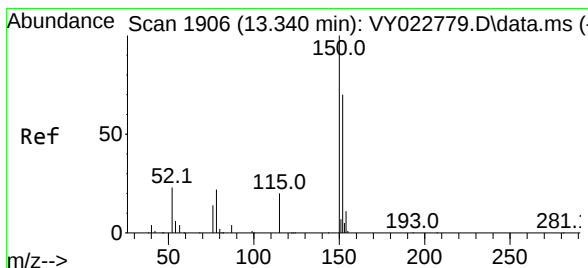
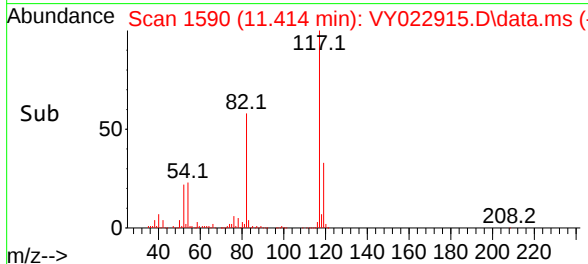
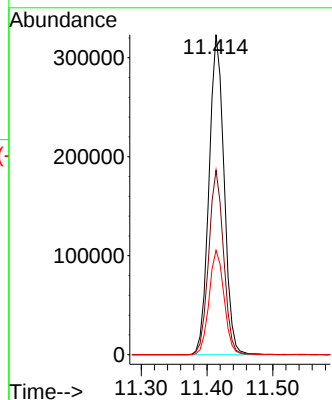
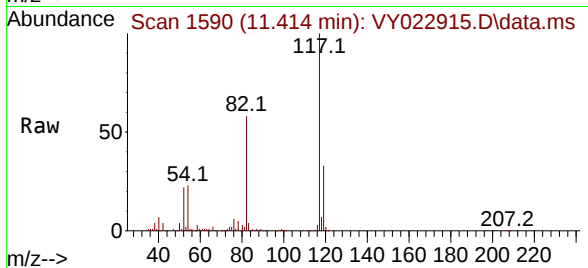
Tgt Ion:117 Resp: 515031

Ion Ratio Lower Upper

117 100

82 57.6 44.6 66.8

119 32.6 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: VY022915.D

Acq: 02 Jul 2025 16:20

Tgt Ion:152 Resp: 195752

Ion Ratio Lower Upper

152 100

115 58.3 28.9 86.7

150 159.4 0.0 349.6

