

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022924.D
 Acq On : 02 Jul 2025 19:50
 Operator : SY/MD
 Sample : Q2487-04
 Misc : 4.81g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G3(3)

Quant Time: Jul 03 02:28:31 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	7.713	168	301669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	508617	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	387975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	124154	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	97257	28.886	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	57.780%
35) Dibromofluoromethane	7.640	113	130055	42.046	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.100%
50) Toluene-d8	10.109	98	583070	47.504	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.000%
62) 4-Bromofluorobenzene	12.401	95	141982	35.984	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	71.960%

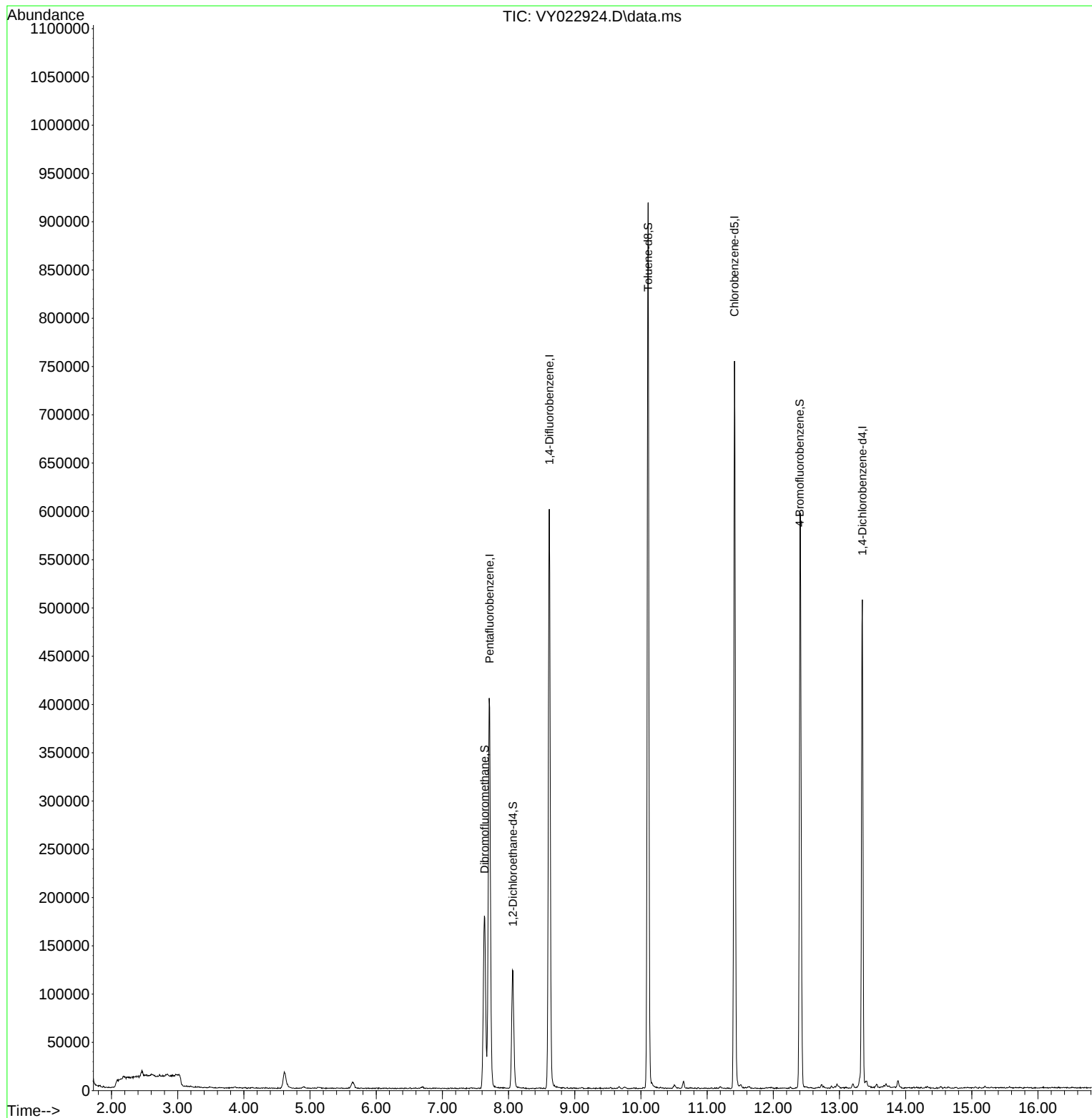
Target Compounds	Qvalue

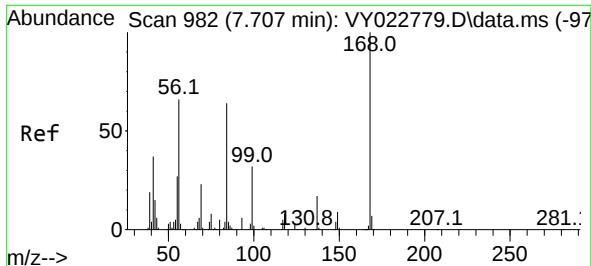
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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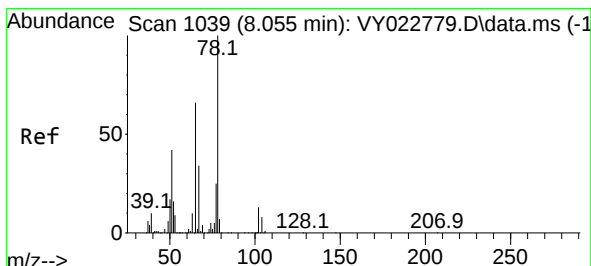
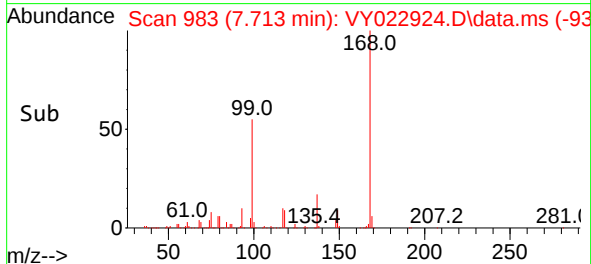
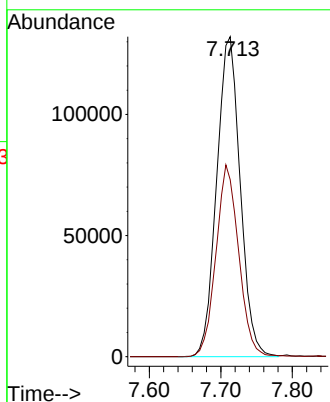
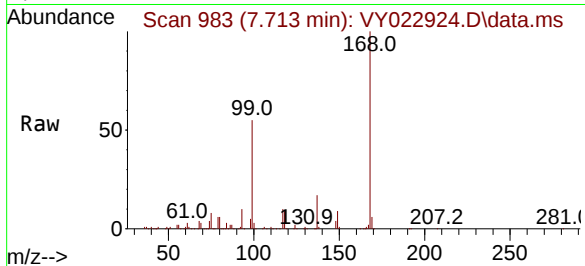




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022924.D
Acq: 02 Jul 2025 19:50

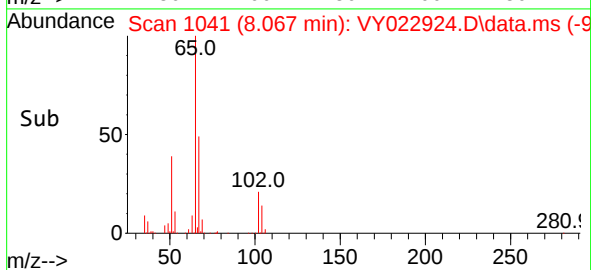
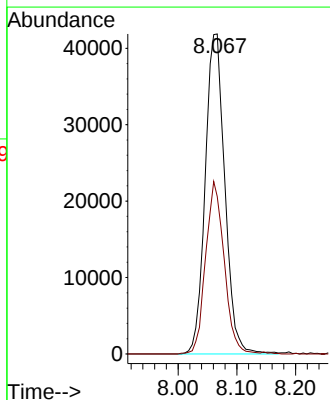
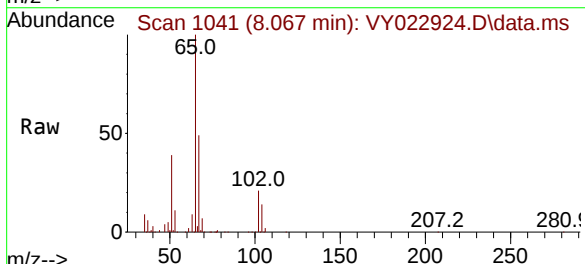
Instrument :
MSVOA_Y
ClientSampleId :
G3(3)

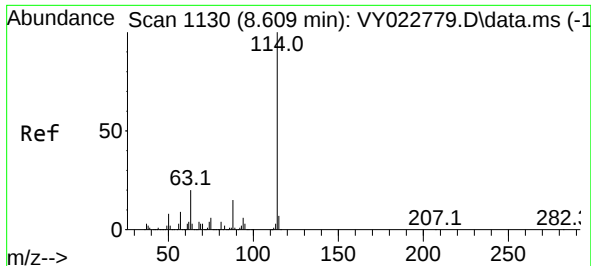
Tgt Ion:168 Resp: 301669
Ion Ratio Lower Upper
168 100
99 55.3 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 28.886 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022924.D
Acq: 02 Jul 2025 19:50

Tgt Ion: 65 Resp: 97257
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.4

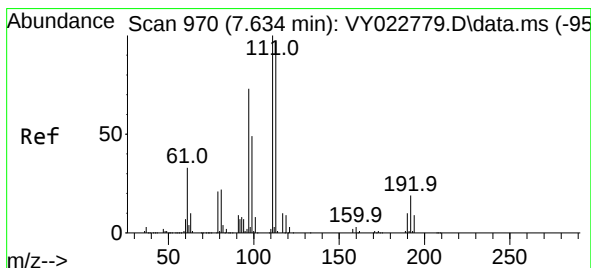
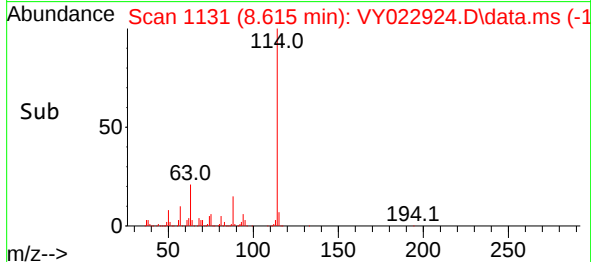
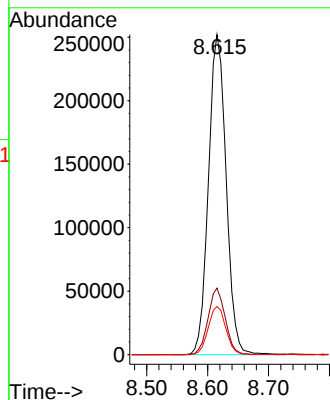
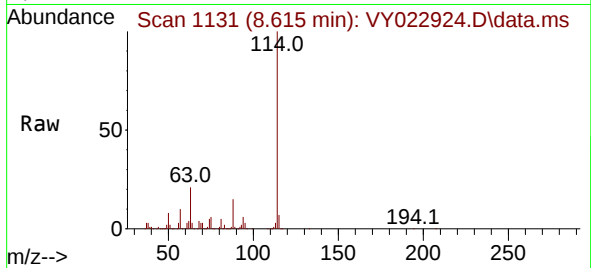




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022924.D
Acq: 02 Jul 2025 19:50

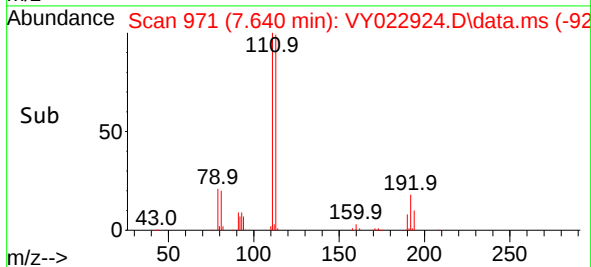
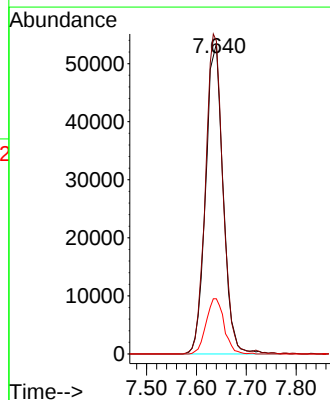
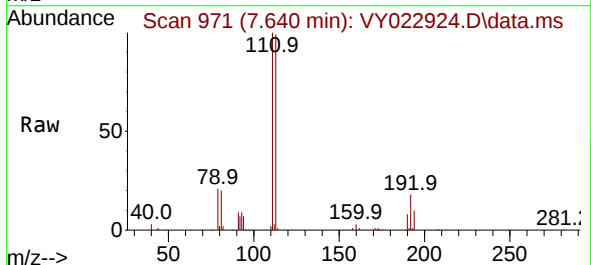
Instrument :
MSVOA_Y
ClientSampleId :
G3(3)

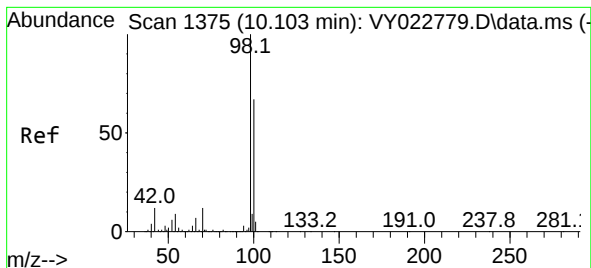
Tgt Ion:114 Resp: 508617
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 15.1 0.0 27.8



#35
Dibromofluoromethane
Concen: 42.046 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022924.D
Acq: 02 Jul 2025 19:50

Tgt Ion:113 Resp: 130055
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 18.3 14.2 21.2





#50

Toluene-d8

Concen: 47.504 ug/l

RT: 10.109 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022924.D

Acq: 02 Jul 2025 19:50

Instrument :

MSVOA_Y

ClientSampleId :

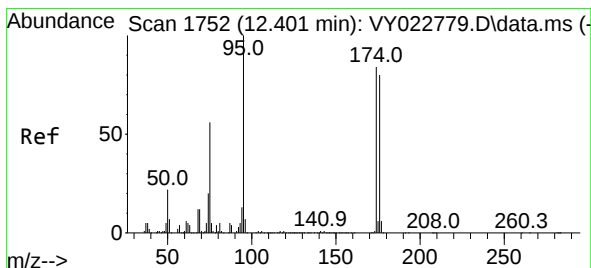
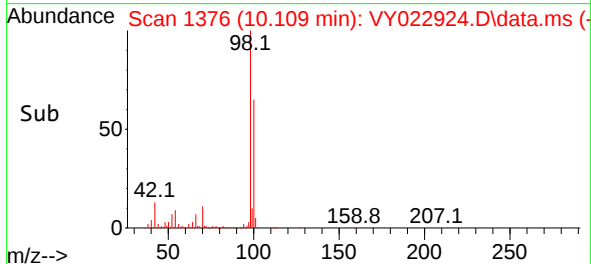
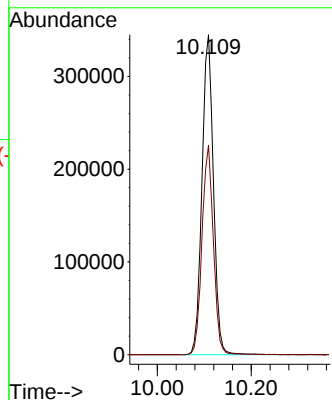
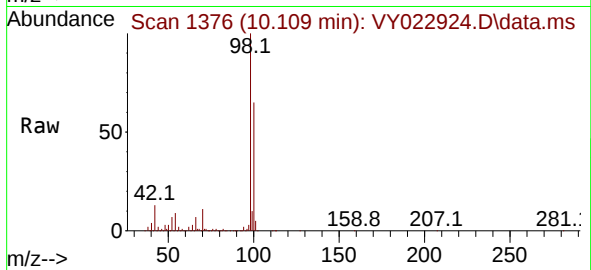
G3(3)

Tgt Ion: 98 Resp: 583070

Ion Ratio Lower Upper

98 100

100 65.3 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 35.984 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022924.D

Acq: 02 Jul 2025 19:50

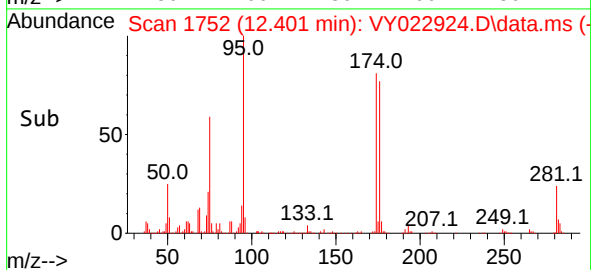
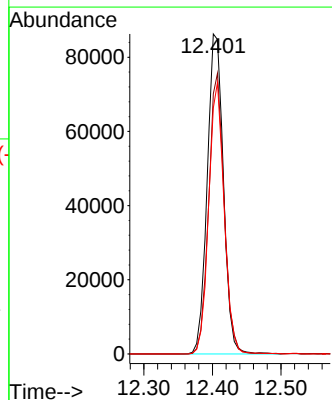
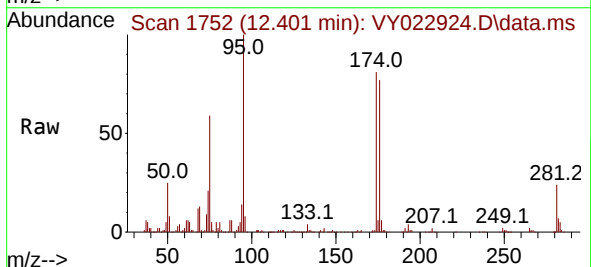
Tgt Ion: 95 Resp: 141982

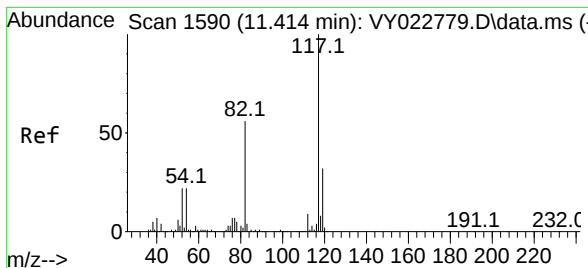
Ion Ratio Lower Upper

95 100

174 84.1 0.0 170.0

176 80.8 0.0 166.2

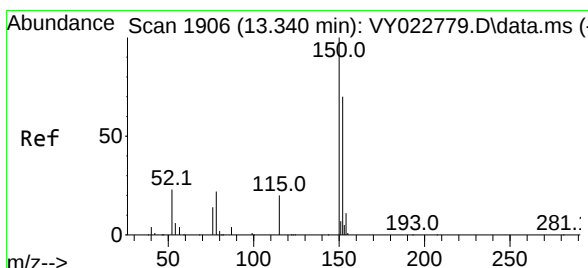
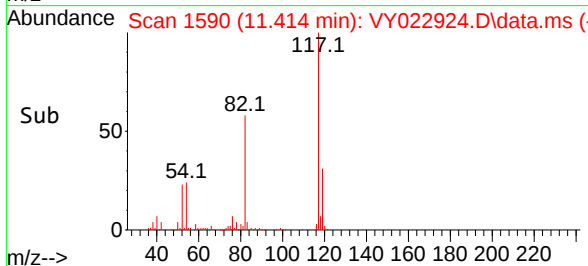
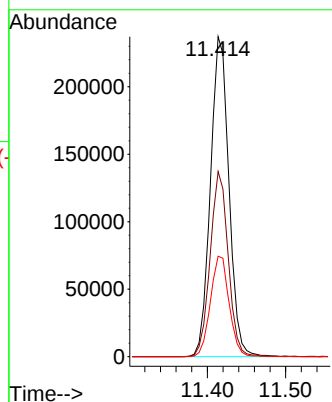
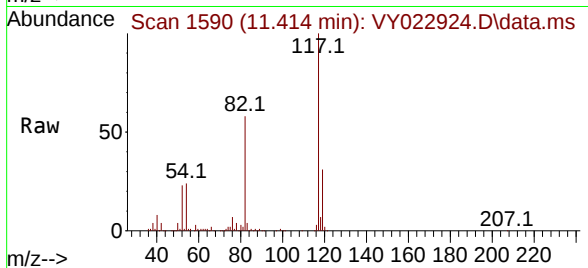




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022924.D
Acq: 02 Jul 2025 19:50

Instrument :
MSVOA_Y
ClientSampleId :
G3(3)

Tgt Ion:117 Resp: 387975
Ion Ratio Lower Upper
117 100
82 57.8 44.6 66.8
119 31.4 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: VY022924.D
Acq: 02 Jul 2025 19:50

Tgt Ion:152 Resp: 124154
Ion Ratio Lower Upper
152 100
115 57.3 28.9 86.7
150 157.4 0.0 349.6

