

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082925\
 Data File : VY023241.D
 Acq On : 29 Aug 2025 12:44
 Operator : SY/MD
 Sample : Q2982-03
 Misc : 5.42g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-0244-0248

Quant Time: Aug 30 01:20:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	30485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	41458	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	30892	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	6440	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	12411	42.717	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.440%
35) Dibromofluoromethane	7.640	113	11109	44.781	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.560%
50) Toluene-d8	10.109	98	44779	46.206	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.420%
62) 4-Bromofluorobenzene	12.407	95	8467	27.167	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	54.340%

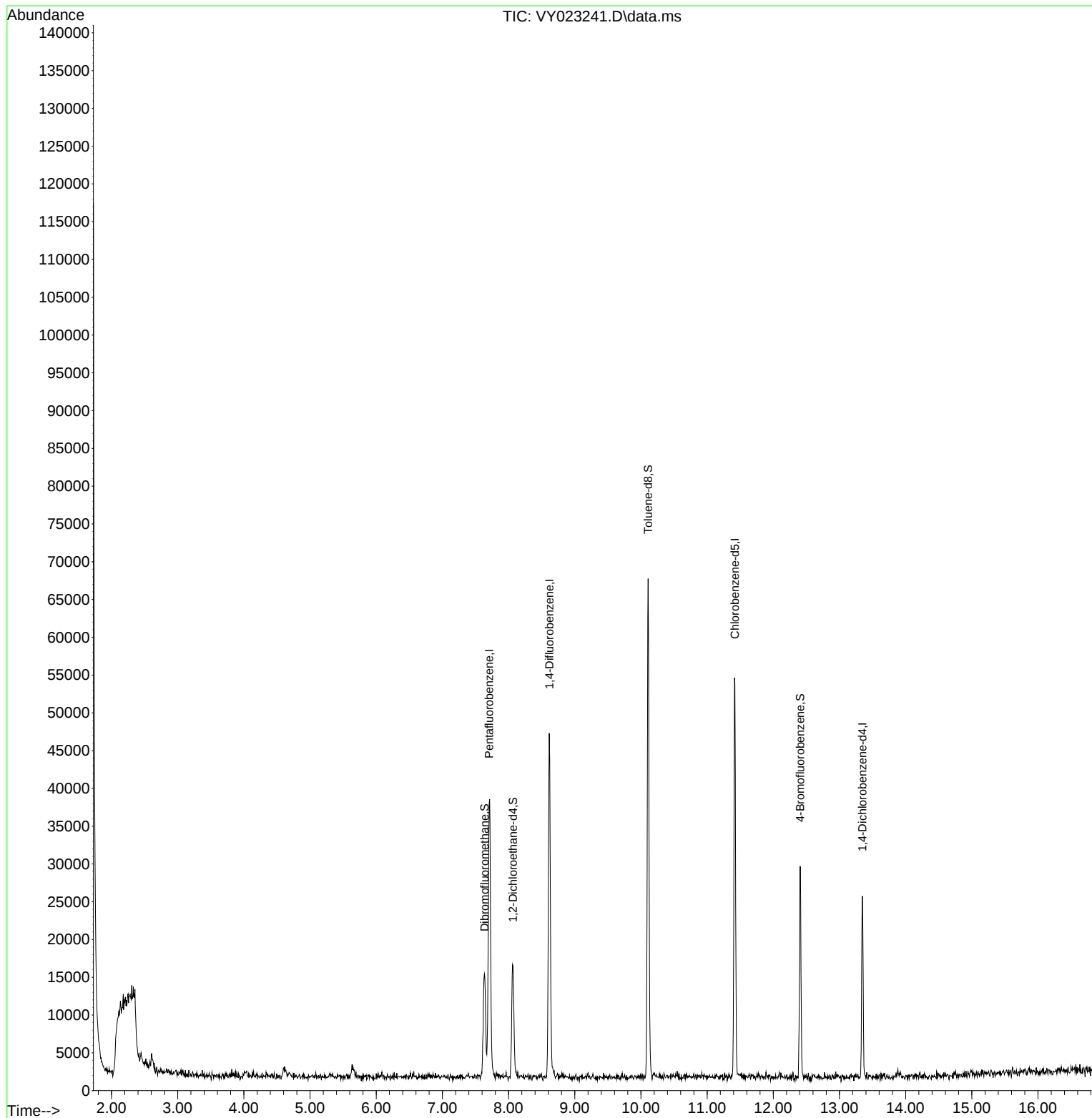
Target Compounds	Qvalue

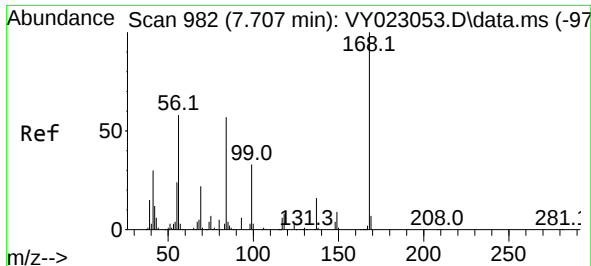
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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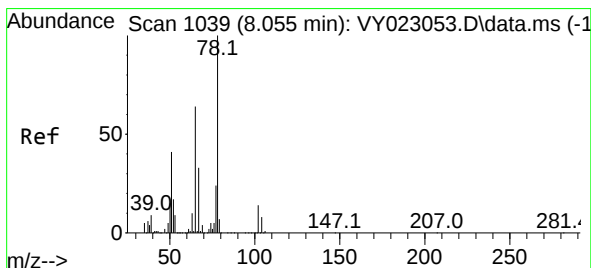
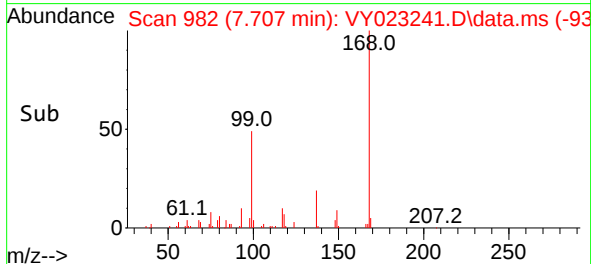
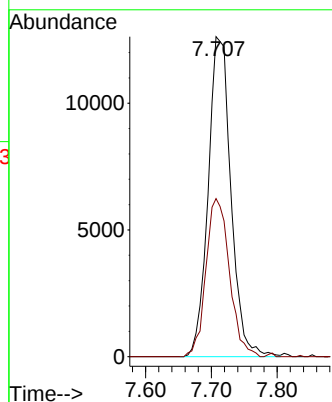
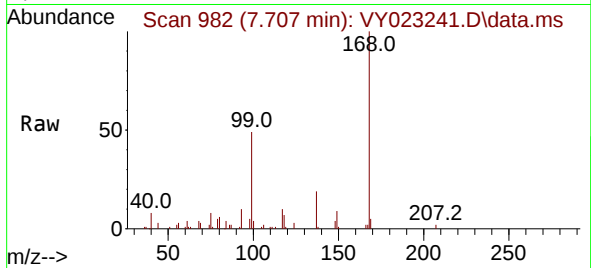




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023241.D
Acq: 29 Aug 2025 12:44

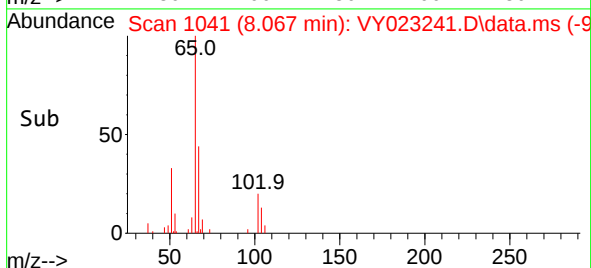
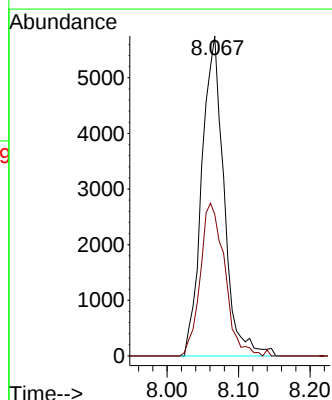
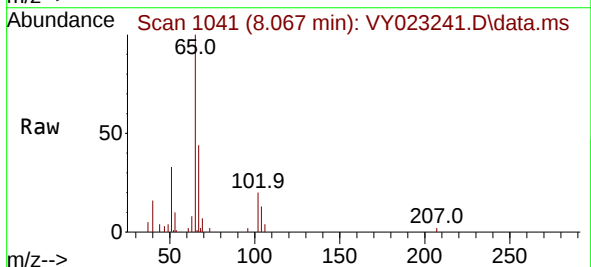
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0244-0248

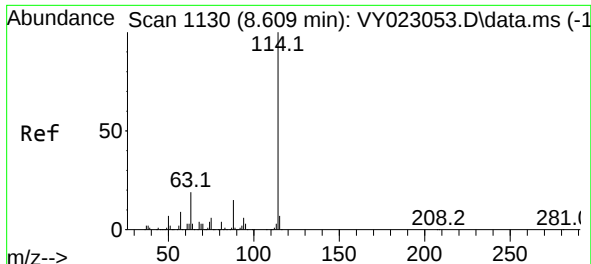
Tgt Ion:168 Resp: 30485
Ion Ratio Lower Upper
168 100
99 49.4 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 42.717 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY023241.D
Acq: 29 Aug 2025 12:44

Tgt Ion: 65 Resp: 12411
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.8

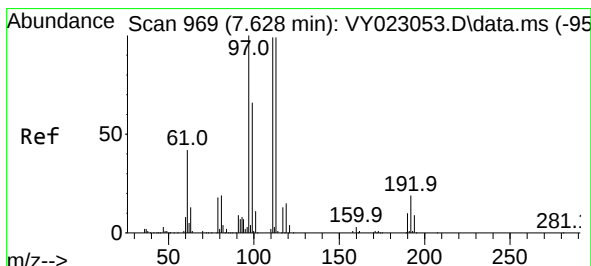
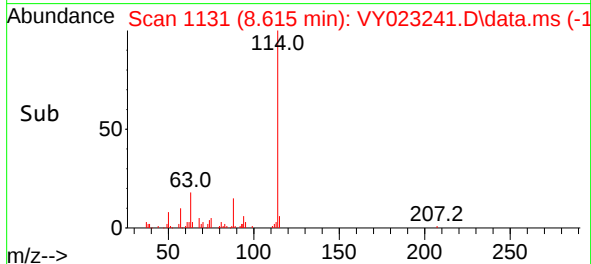
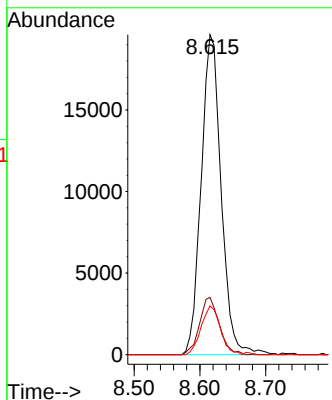
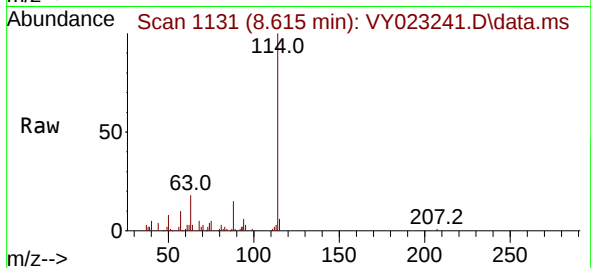




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023241.D
Acq: 29 Aug 2025 12:44

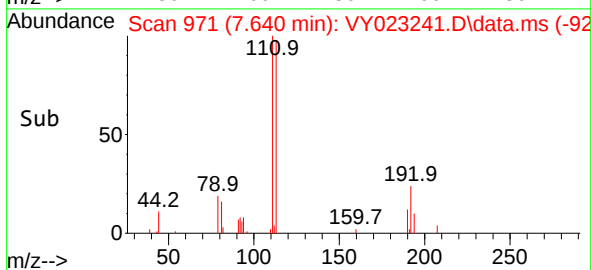
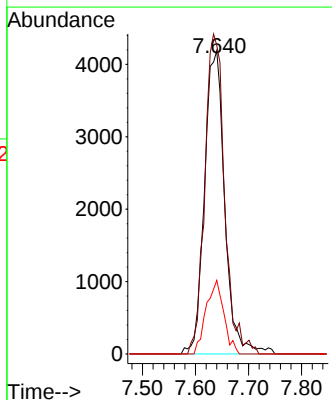
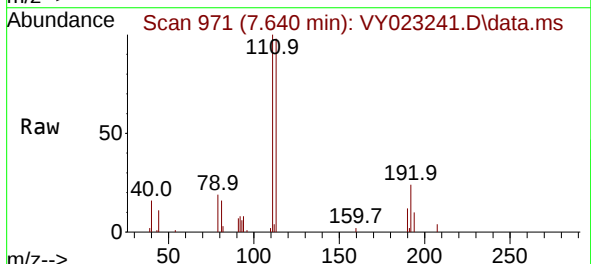
Instrument :
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ClientSampleId :
MOO-25-0244-0248

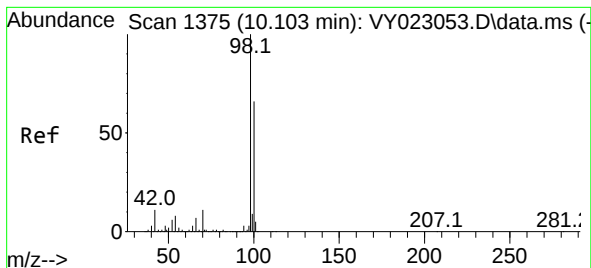
Tgt Ion:114 Resp: 41458
Ion Ratio Lower Upper
114 100
63 17.9 0.0 38.4
88 15.3 0.0 30.0



#35
Dibromofluoromethane
Concen: 44.781 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.012 min
Lab File: VY023241.D
Acq: 29 Aug 2025 12:44

Tgt Ion:113 Resp: 11109
Ion Ratio Lower Upper
113 100
111 103.0 81.1 121.7
192 21.3 16.2 24.4





#50

Toluene-d8

Concen: 46.206 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023241.D

Acq: 29 Aug 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

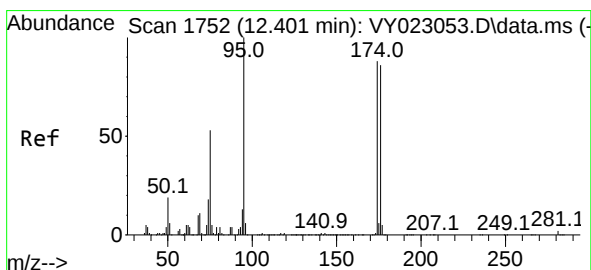
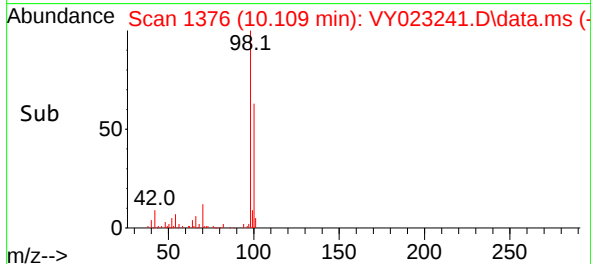
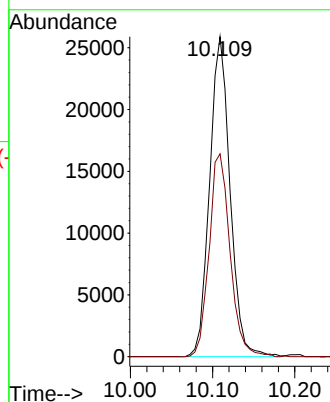
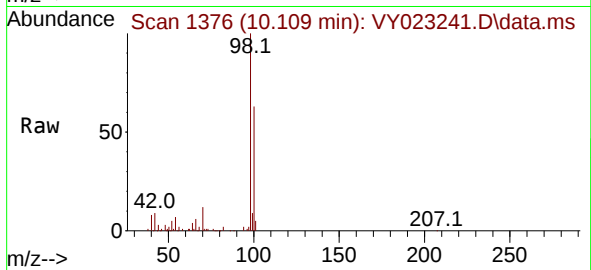
MOO-25-0244-0248

Tgt Ion: 98 Resp: 44779

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 27.167 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023241.D

Acq: 29 Aug 2025 12:44

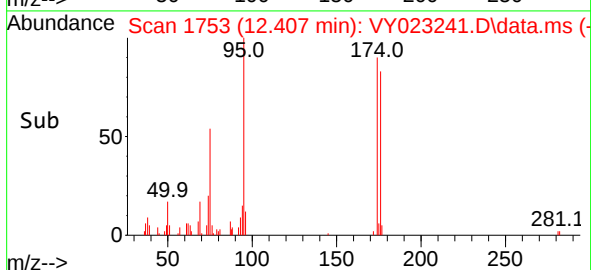
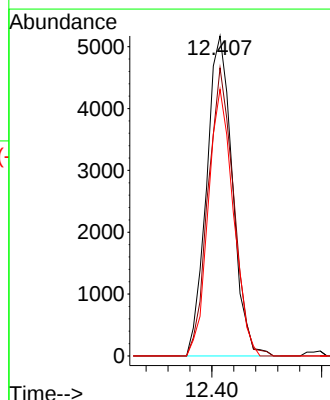
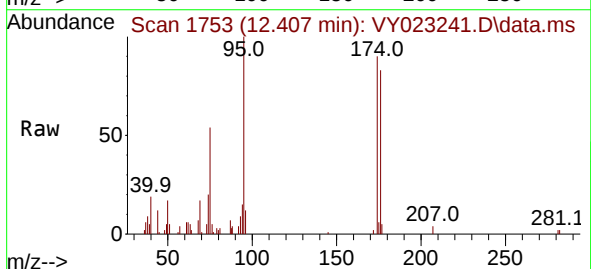
Tgt Ion: 95 Resp: 8467

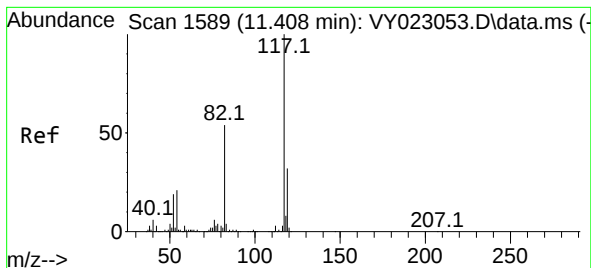
Ion Ratio Lower Upper

95 100

174 88.7 0.0 171.6

176 81.0 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023241.D

Acq: 29 Aug 2025 12:44

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0244-0248

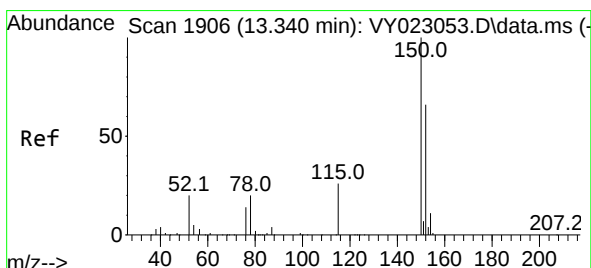
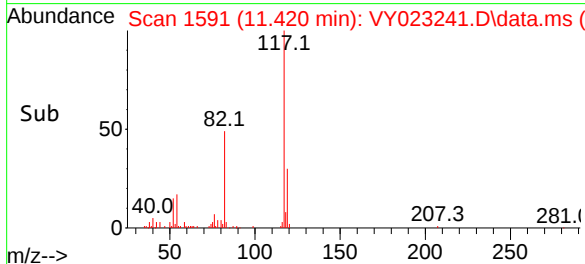
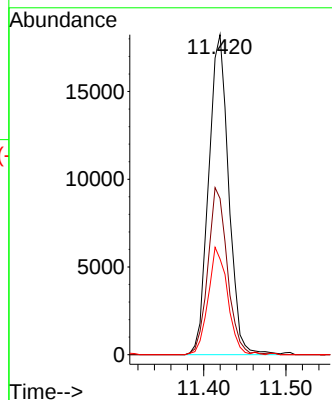
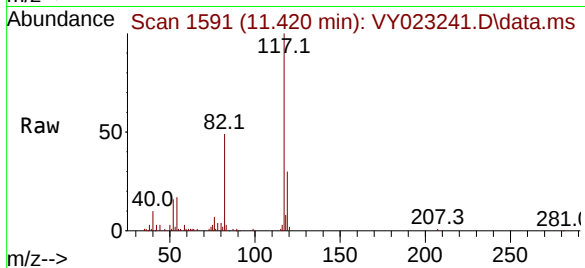
Tgt Ion:117 Resp: 30892

Ion Ratio Lower Upper

117 100

82 48.8 43.4 65.0

119 29.9 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023241.D

Acq: 29 Aug 2025 12:44

Tgt Ion:152 Resp: 6440

Ion Ratio Lower Upper

152 100

115 56.6 28.2 84.6

150 156.9 0.0 348.0

