

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023158.D
 Acq On : 19 Aug 2025 17:59
 Operator : SY/MD
 Sample : Q2889-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-02-081525

Quant Time: Aug 20 01:33:53 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	7.713	168	532620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1020920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	921939	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	373732	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	298067	58.718	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.440%
35) Dibromofluoromethane	7.634	113	327540	53.617	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.240%
50) Toluene-d8	10.103	98	1247052	52.255	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.500%
62) 4-Bromofluorobenzene	12.401	95	361605	47.115	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.240%

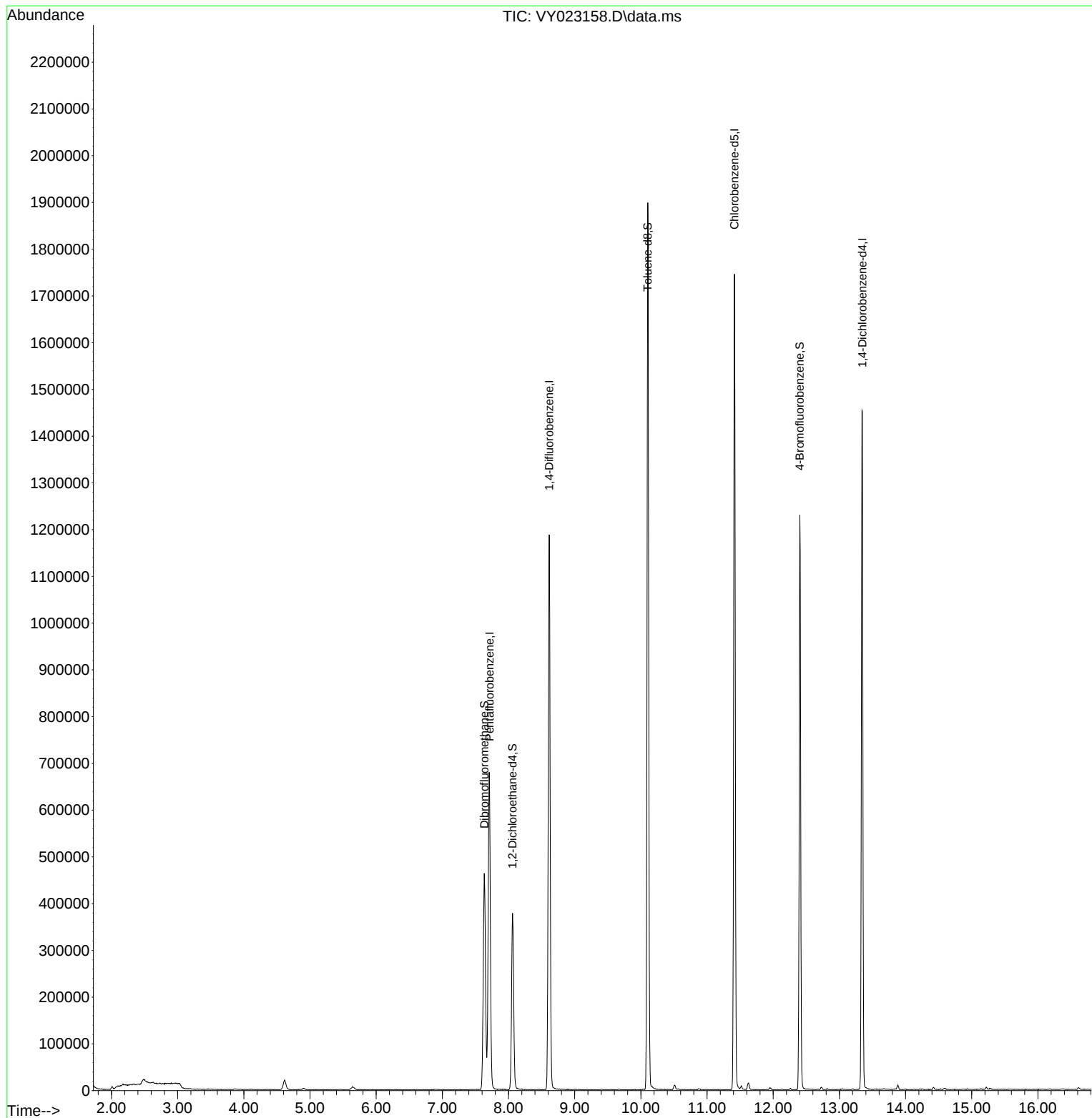
Target Compounds	Qvalue

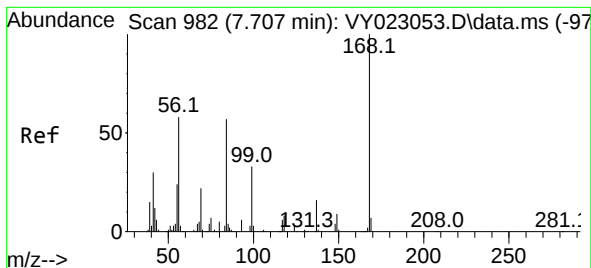
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY023158.D

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Instrument :

MSVOA_Y

ClientSampleId :

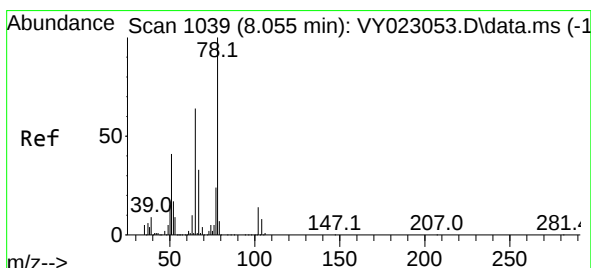
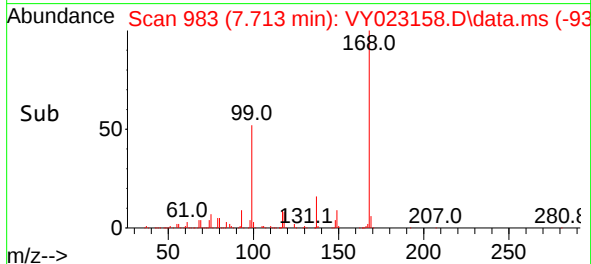
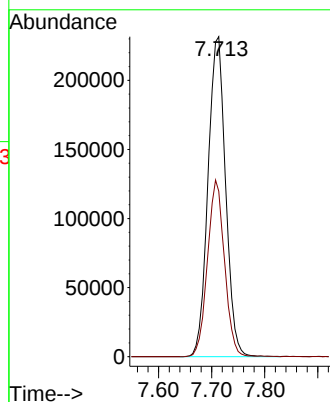
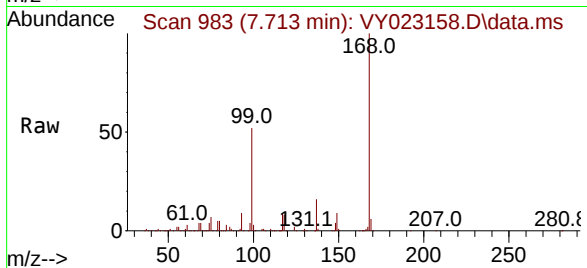
PL-02-081525

Tgt Ion:168 Resp: 532620

Ion Ratio Lower Upper

168 100

99 51.7 42.8 64.2



#33

1,2-Dichloroethane-d4

Concen: 58.718 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023158.D

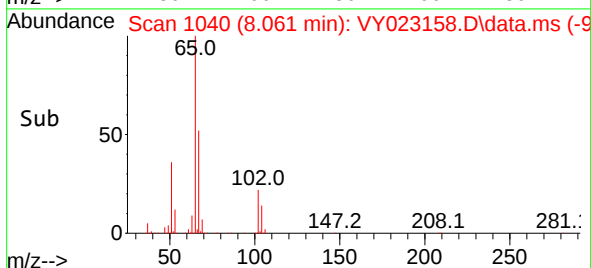
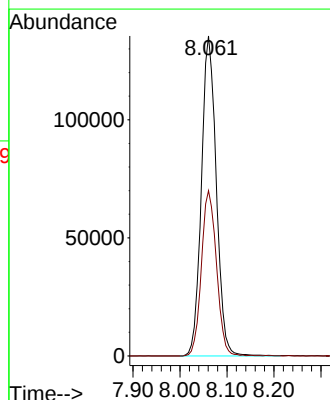
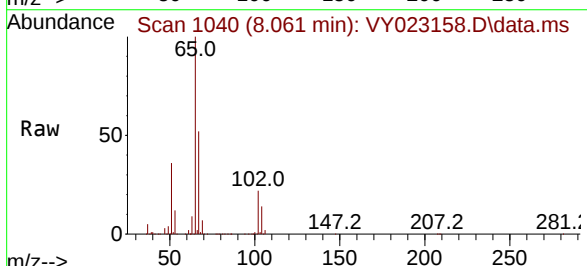
Acq: 19 Aug 2025 17:59

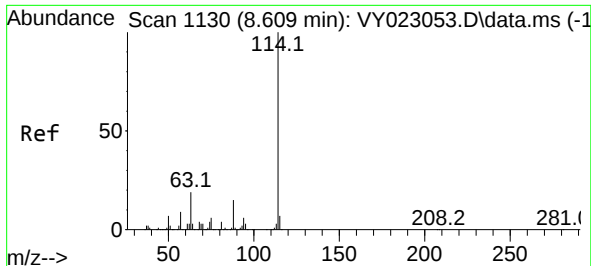
Tgt Ion: 65 Resp: 298067

Ion Ratio Lower Upper

65 100

67 52.2 0.0 106.8

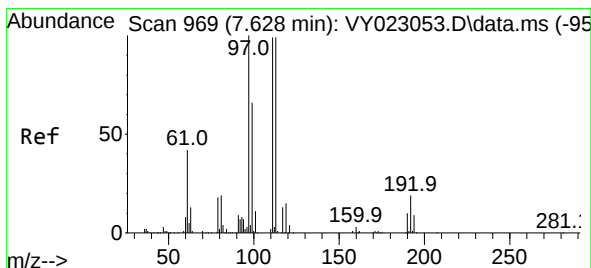
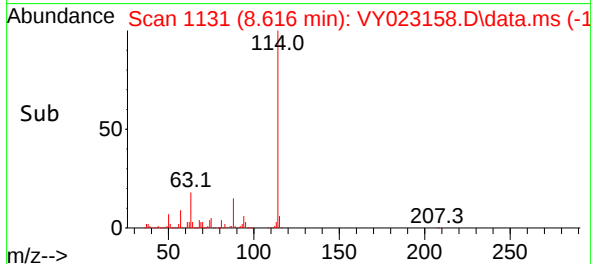
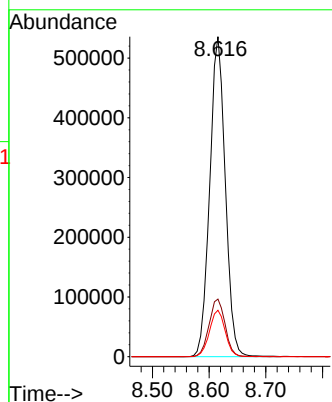
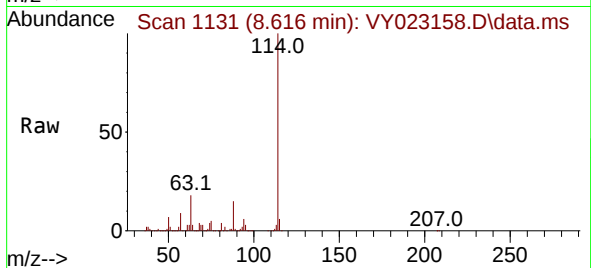




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023158.D
Acq: 19 Aug 2025 17:59

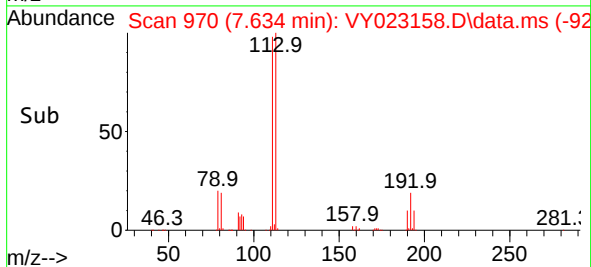
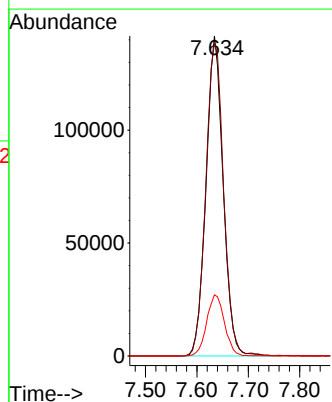
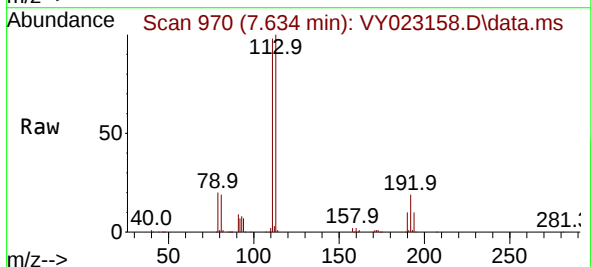
Instrument :
MSVOA_Y
ClientSampleId :
PL-02-081525

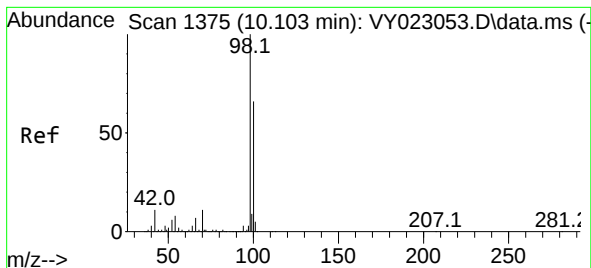
Tgt Ion:114 Resp: 1020920
Ion Ratio Lower Upper
114 100
63 18.0 0.0 38.4
88 14.5 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.617 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023158.D
Acq: 19 Aug 2025 17:59

Tgt Ion:113 Resp: 327540
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 19.9 16.2 24.4





#50

Toluene-d8

Concen: 52.255 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023158.D

Acq: 19 Aug 2025 17:59

Instrument :

MSVOA_Y

ClientSampleId :

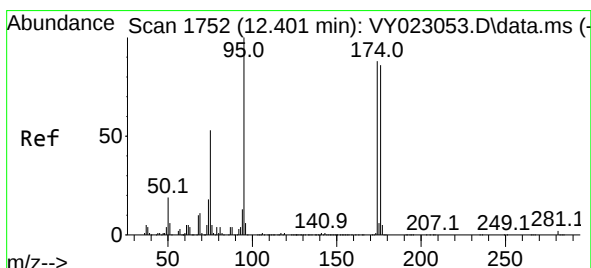
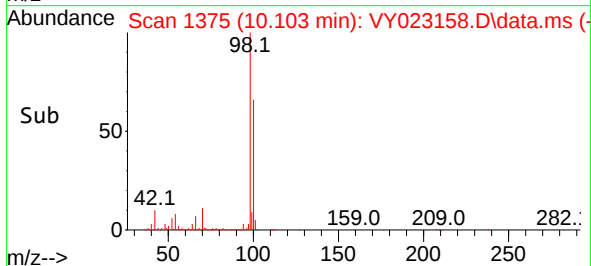
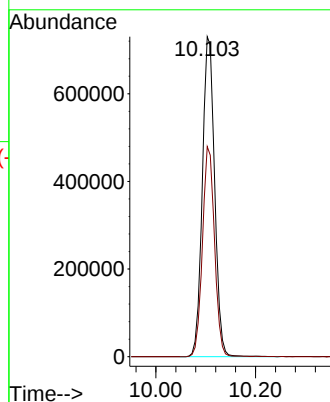
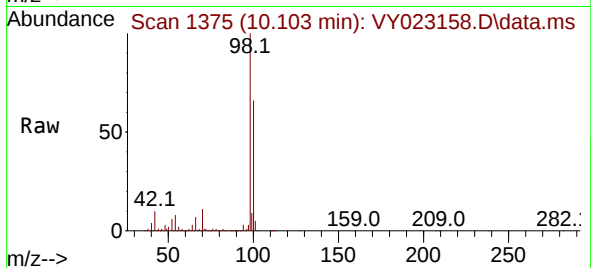
PL-02-081525

Tgt Ion: 98 Resp: 1247052

Ion Ratio Lower Upper

98 100

100 64.5 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 47.115 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023158.D

Acq: 19 Aug 2025 17:59

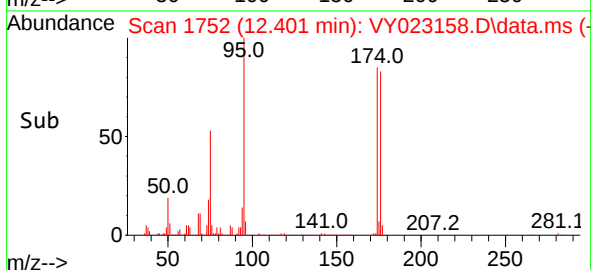
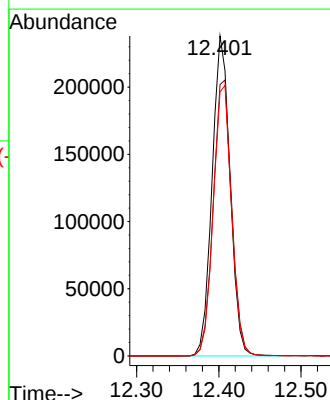
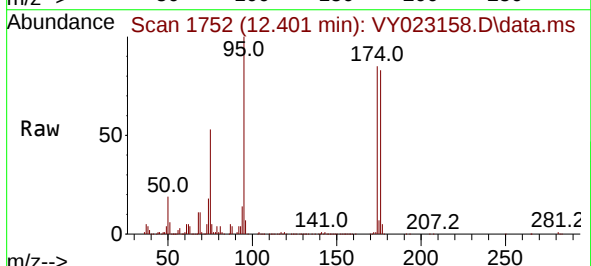
Tgt Ion: 95 Resp: 361605

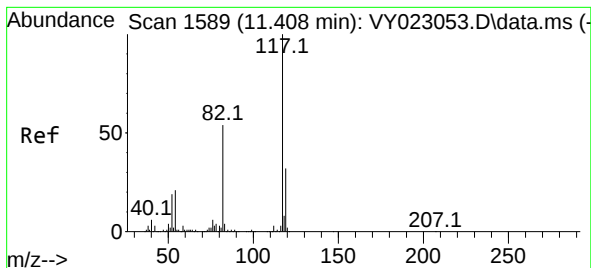
Ion Ratio Lower Upper

95 100

174 88.9 0.0 171.6

176 86.2 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023158.D

Acq: 19 Aug 2025 17:59

Instrument :

MSVOA_Y

ClientSampleId :

PL-02-081525

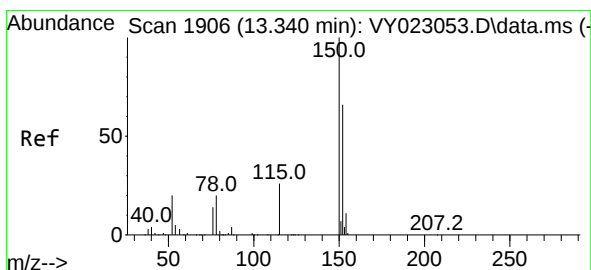
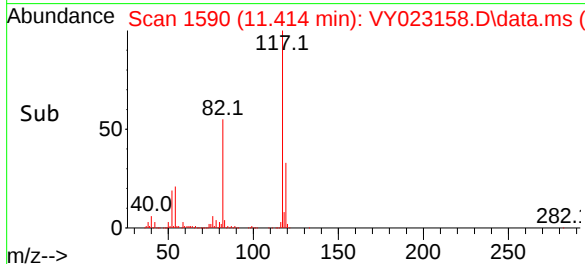
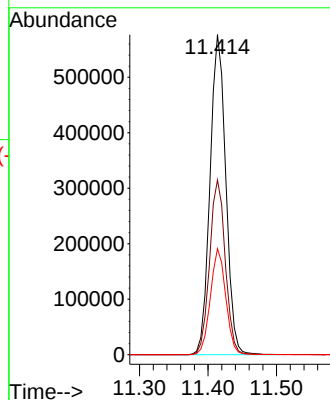
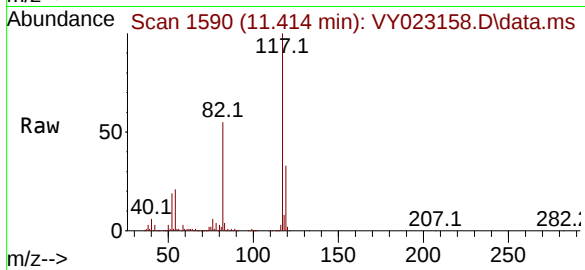
Tgt Ion:117 Resp: 921939

Ion Ratio Lower Upper

117 100

82 54.6 43.4 65.0

119 33.1 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: VY023158.D

Acq: 19 Aug 2025 17:59

Tgt Ion:152 Resp: 373732

Ion Ratio Lower Upper

152 100

115 57.4 28.2 84.6

150 158.7 0.0 348.0

