

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023506.D
 Acq On : 20 Oct 2025 14:12
 Operator : SY/MD
 Sample : Q3386-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 237

Quant Time: Oct 21 03:58:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	203292	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	294998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	233310	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	80495	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	91620	53.895	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.800%
35) Dibromofluoromethane	7.634	113	105741	58.336	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.680%
50) Toluene-d8	10.109	98	318809	47.228	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.460%
62) 4-Bromofluorobenzene	12.408	95	75016	33.660	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	67.320%

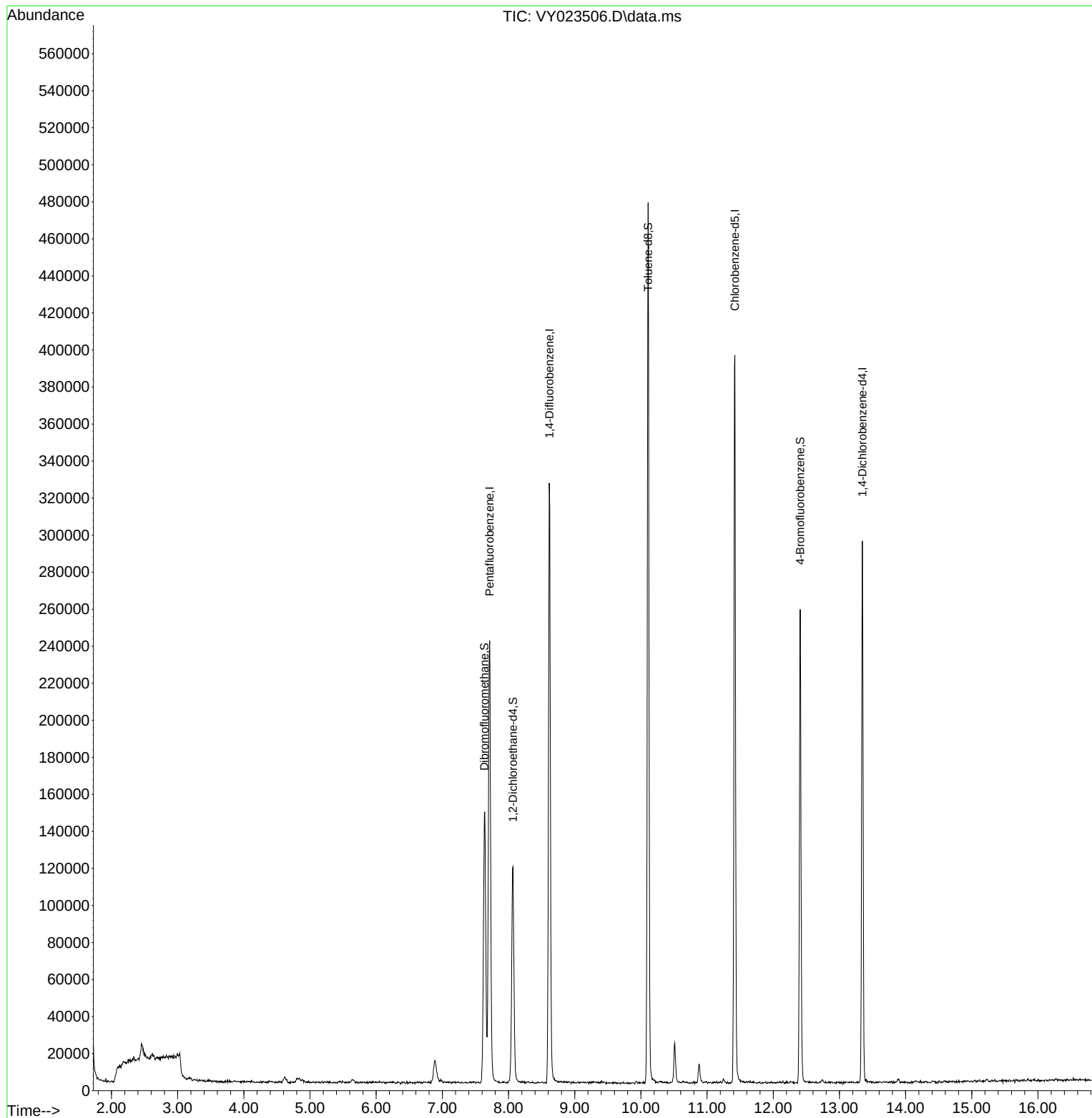
Target Compounds	Qvalue

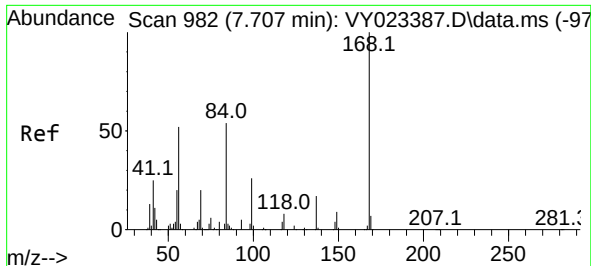
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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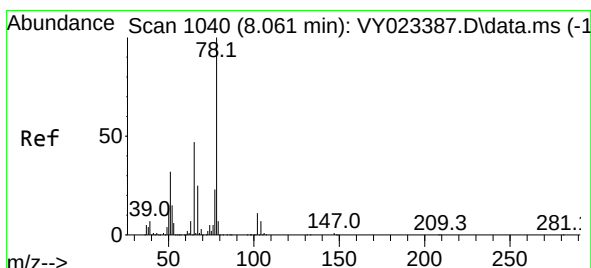
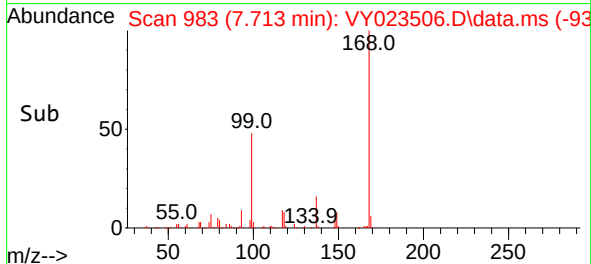
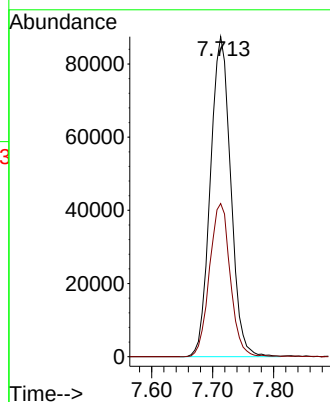
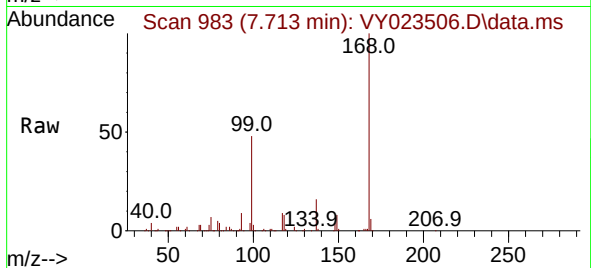




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023506.D
Acq: 20 Oct 2025 14:12

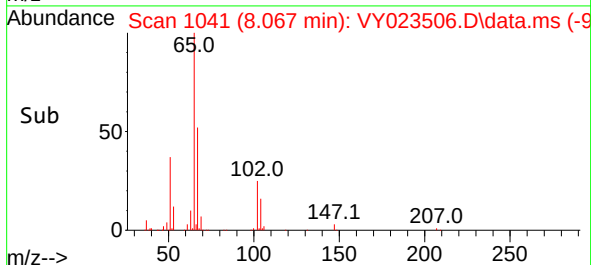
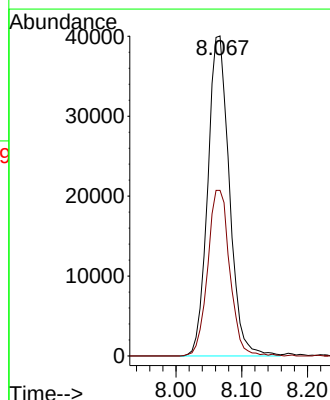
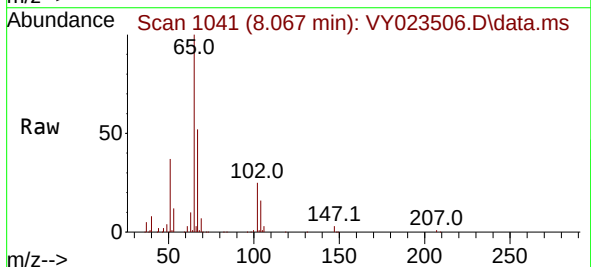
Instrument :
MSVOA_Y
ClientSampleId :
237

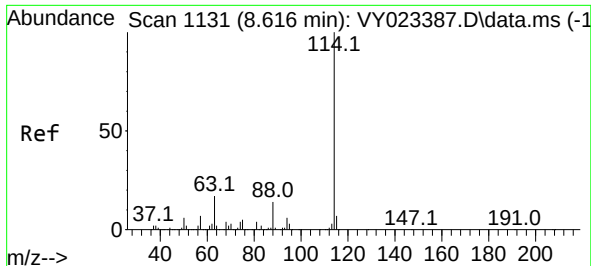
Tgt Ion:168 Resp: 203292
Ion Ratio Lower Upper
168 100
99 47.8 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 53.895 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023506.D
Acq: 20 Oct 2025 14:12

Tgt Ion: 65 Resp: 91620
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.8

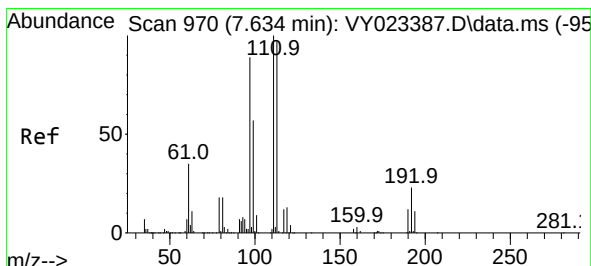
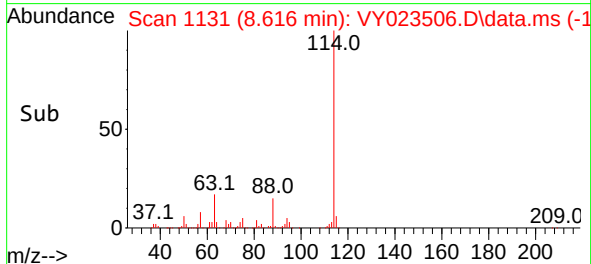
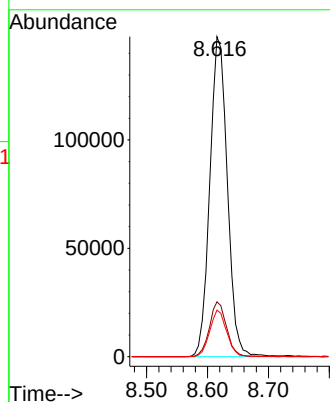
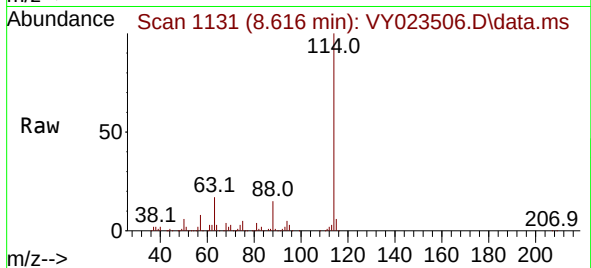




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023506.D
Acq: 20 Oct 2025 14:12

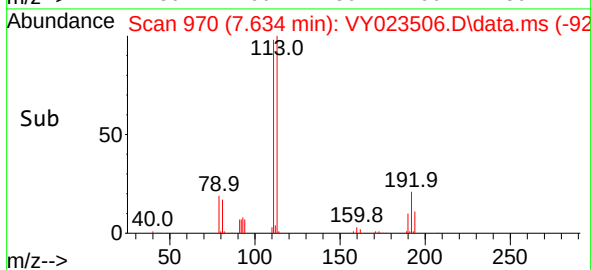
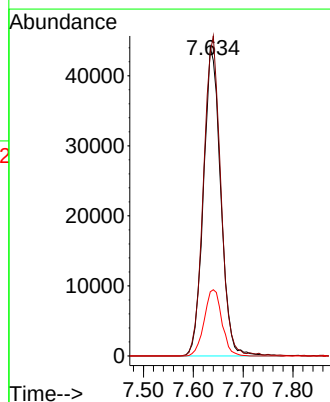
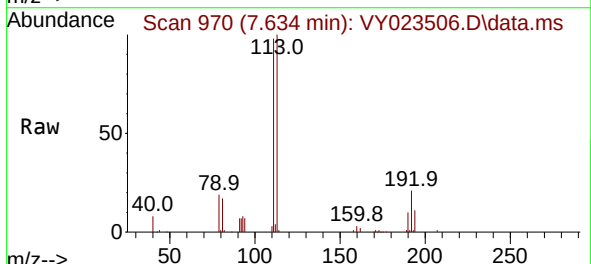
Instrument :
MSVOA_Y
ClientSampleId :
237

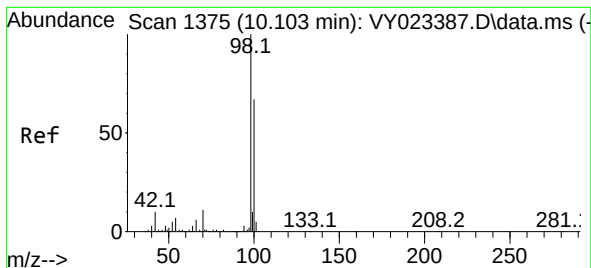
Tgt Ion:114 Resp: 294998
Ion Ratio Lower Upper
114 100
63 17.2 0.0 34.2
88 14.6 0.0 28.4



#35
Dibromofluoromethane
Concen: 58.336 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023506.D
Acq: 20 Oct 2025 14:12

Tgt Ion:113 Resp: 105741
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.6
192 22.0 18.0 27.0





#50

Toluene-d8

Concen: 47.228 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023506.D

Acq: 20 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

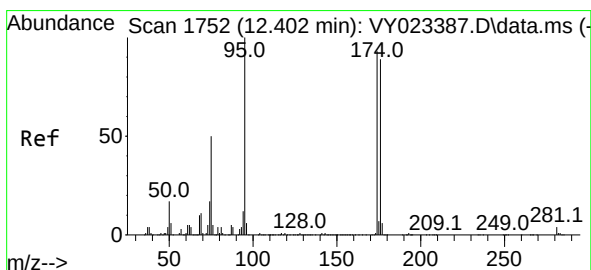
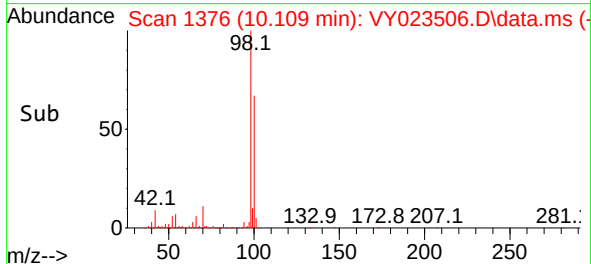
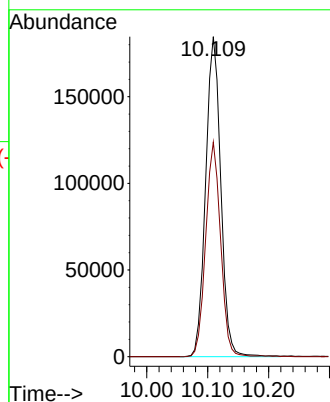
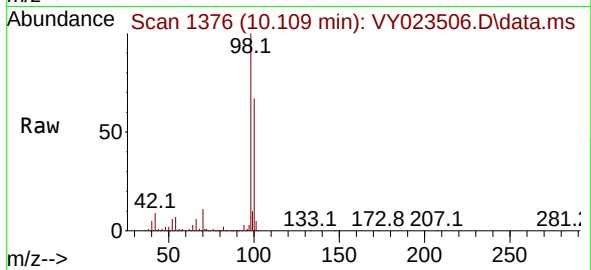
237

Tgt Ion: 98 Resp: 318809

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 33.660 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023506.D

Acq: 20 Oct 2025 14:12

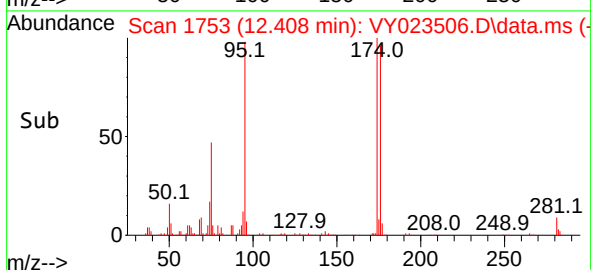
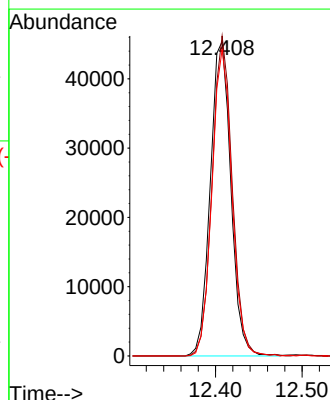
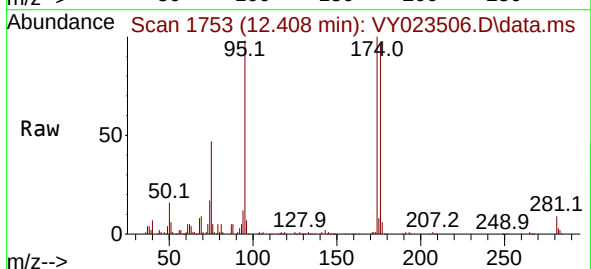
Tgt Ion: 95 Resp: 75016

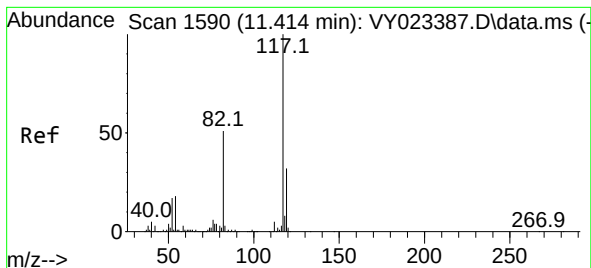
Ion Ratio Lower Upper

95 100

174 98.9 0.0 192.8

176 94.7 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023506.D

Acq: 20 Oct 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

237

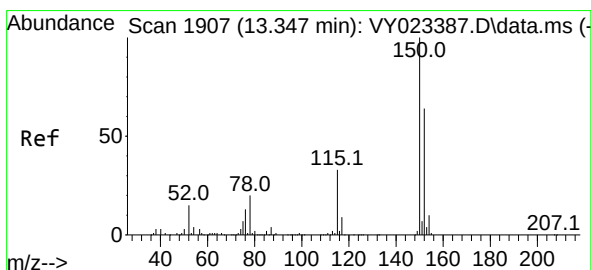
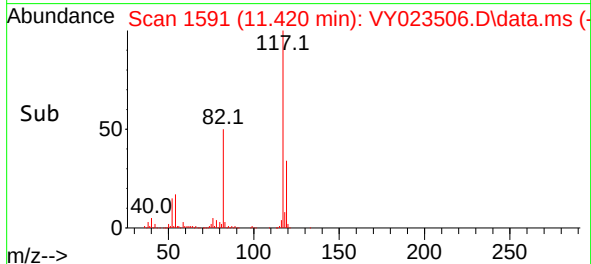
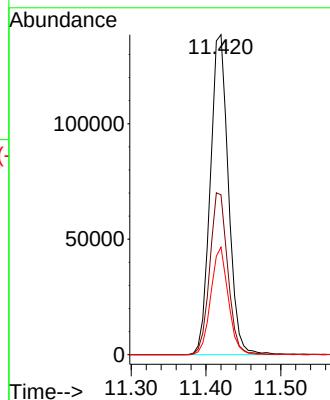
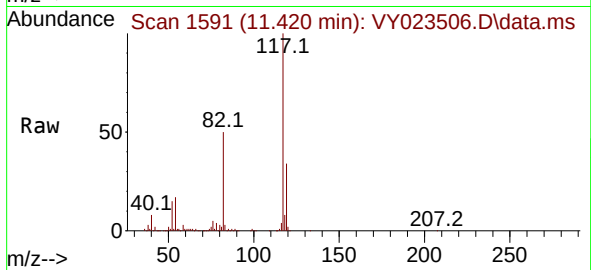
Tgt Ion:117 Resp: 233310

Ion Ratio Lower Upper

117 100

82 50.0 41.0 61.4

119 33.6 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023506.D

Acq: 20 Oct 2025 14:12

Tgt Ion:152 Resp: 80495

Ion Ratio Lower Upper

152 100

115 54.1 27.1 81.2

150 156.6 0.0 347.4

