

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023834.D
 Acq On : 01 Dec 2025 11:25
 Operator : SY/MD
 Sample : Q3719-13
 Misc : 4.89g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1125-17A

Quant Time: Dec 02 03:15:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	710245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1310532	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1122921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	427893	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	441595	63.845	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	127.680%
35) Dibromofluoromethane	7.640	113	426470	54.933	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.860%
50) Toluene-d8	10.109	98	1552670	50.352	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.700%
62) 4-Bromofluorobenzene	12.408	95	442861	43.648	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.300%

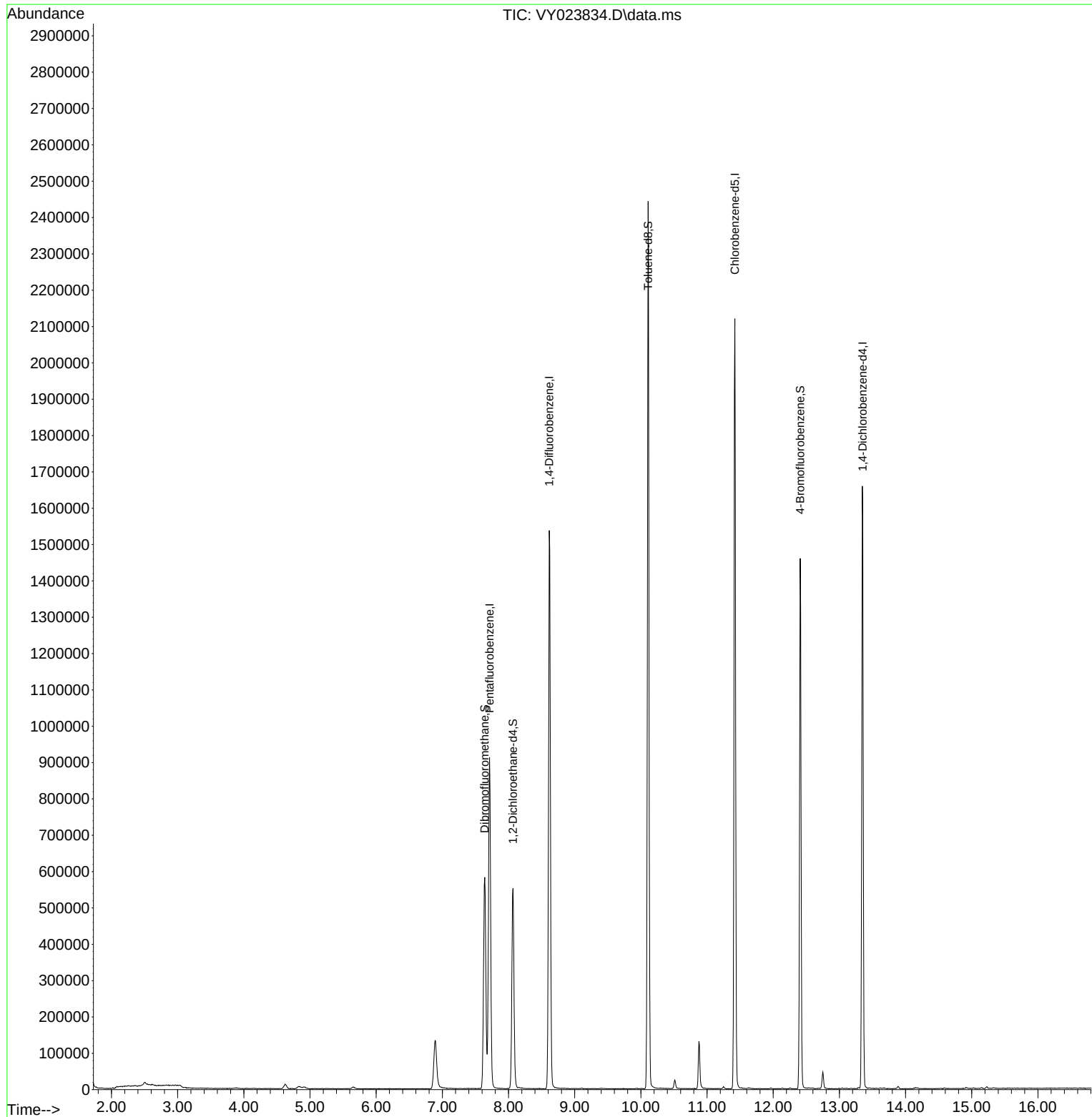
Target Compounds	Qvalue

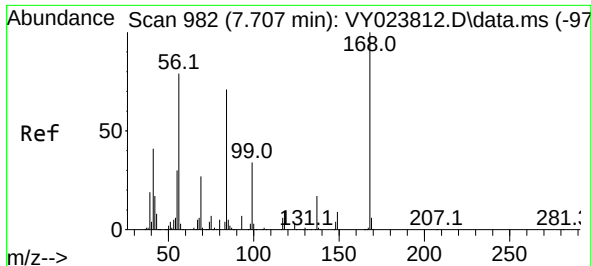
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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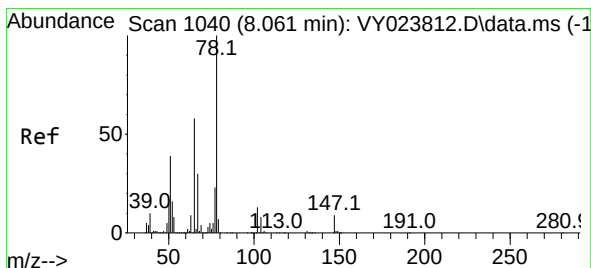
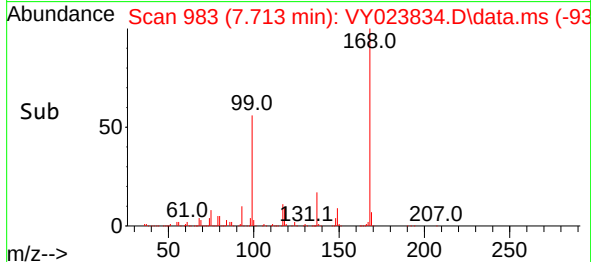
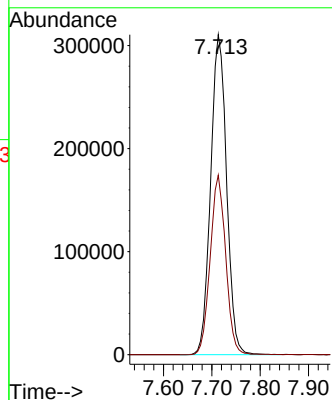
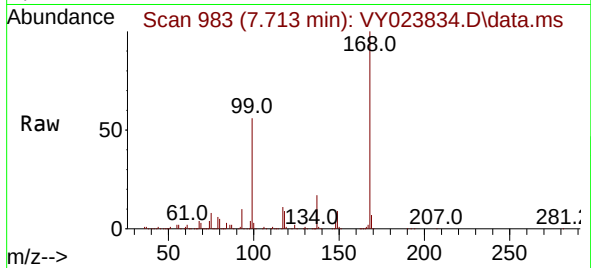




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023834.D
Acq: 01 Dec 2025 11:25

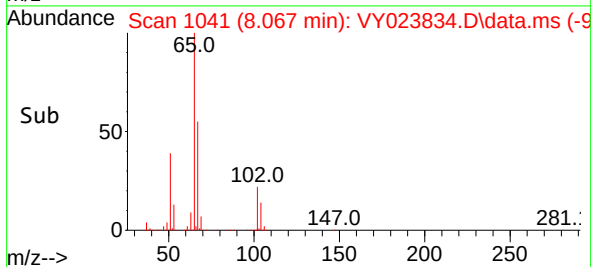
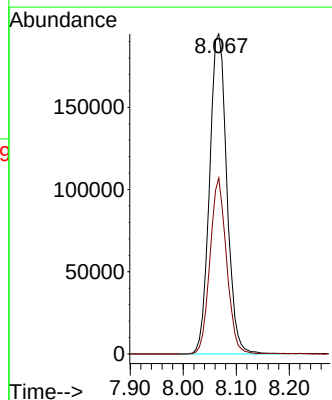
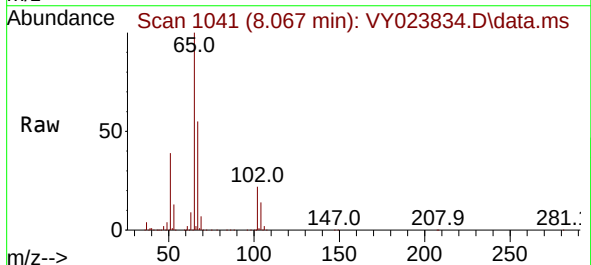
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-17A

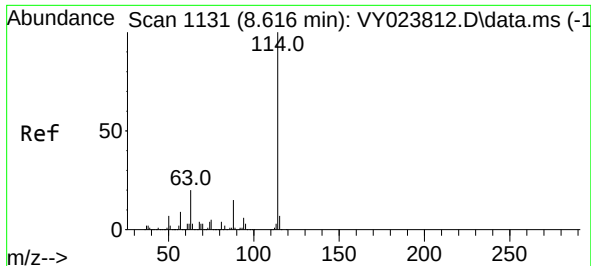
Tgt Ion:168 Resp: 710245
Ion Ratio Lower Upper
168 100
99 56.1 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 63.845 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023834.D
Acq: 01 Dec 2025 11:25

Tgt Ion: 65 Resp: 441595
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.4

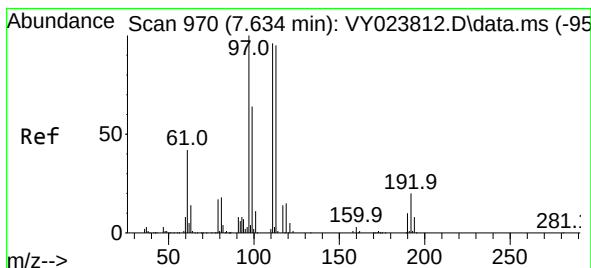
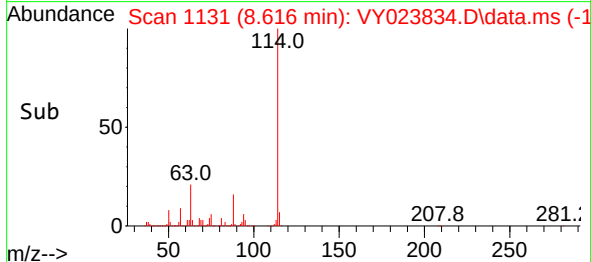
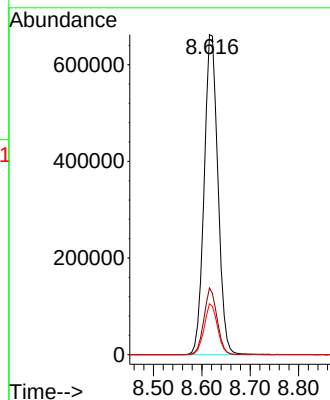
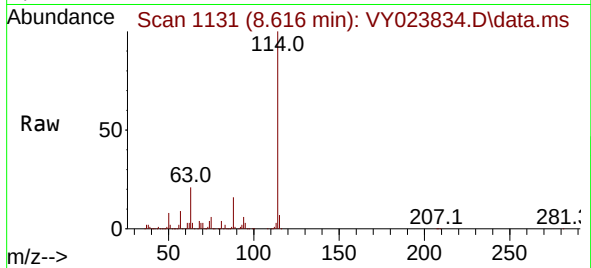




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023834.D
Acq: 01 Dec 2025 11:25

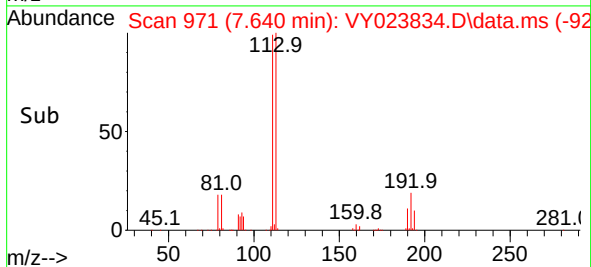
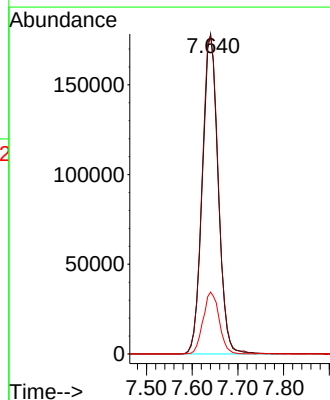
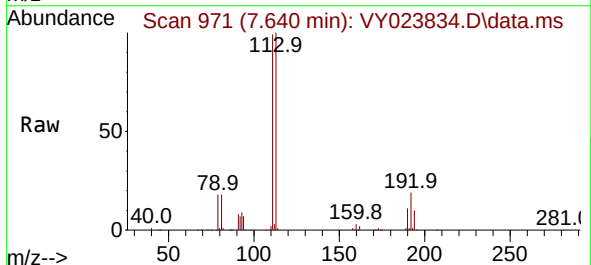
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-17A

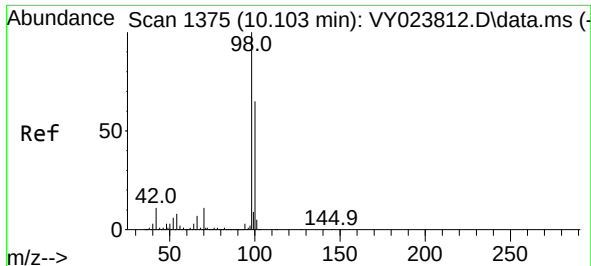
Tgt Ion:114 Resp: 1310532
Ion Ratio Lower Upper
114 100
63 20.9 0.0 39.4
88 15.9 0.0 30.8



#35
Dibromofluoromethane
Concen: 54.933 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023834.D
Acq: 01 Dec 2025 11:25

Tgt Ion:113 Resp: 426470
Ion Ratio Lower Upper
113 100
111 102.0 81.4 122.0
192 19.7 15.8 23.8

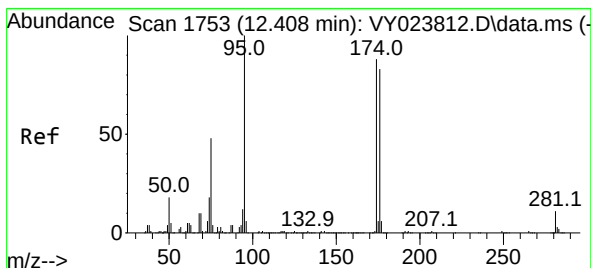
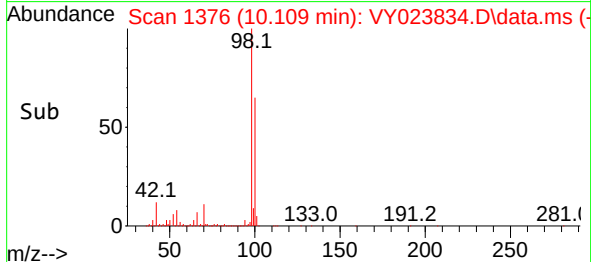
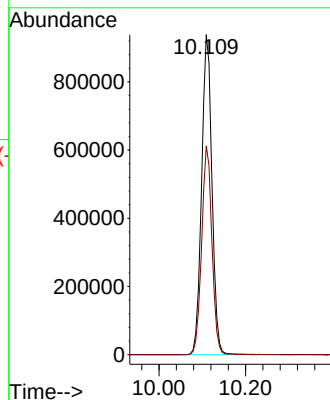
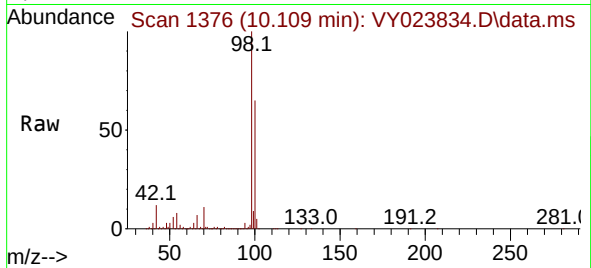




#50
Toluene-d8
Concen: 50.352 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023834.D
Acq: 01 Dec 2025 11:25

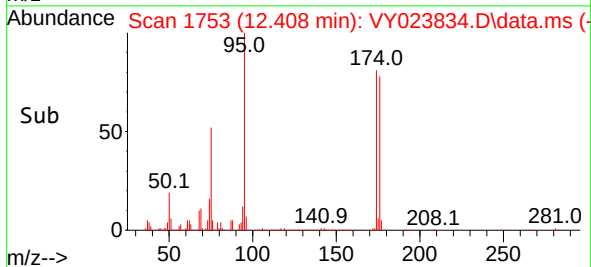
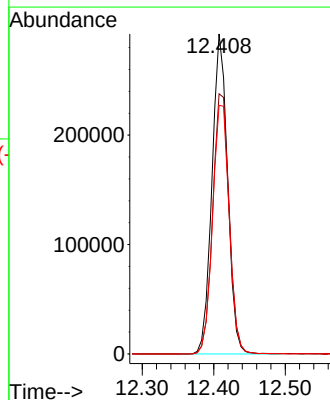
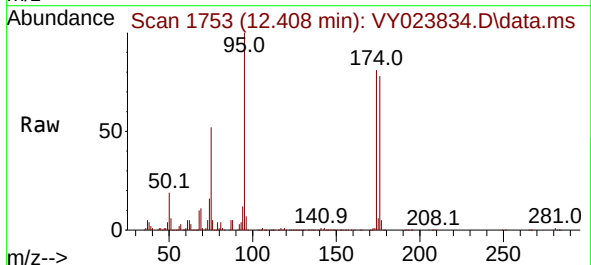
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-17A

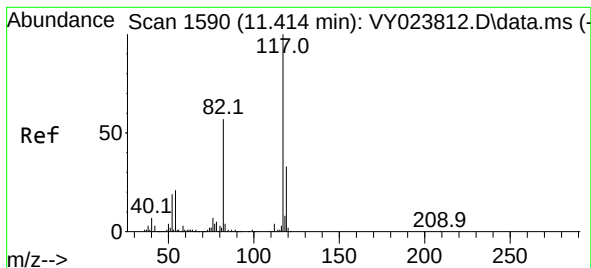
Tgt Ion: 98 Resp: 1552670
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 43.648 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023834.D
Acq: 01 Dec 2025 11:25

Tgt Ion: 95 Resp: 442861
Ion Ratio Lower Upper
95 100
174 86.3 0.0 168.6
176 83.0 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023834.D

Acq: 01 Dec 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

SB-1125-17A

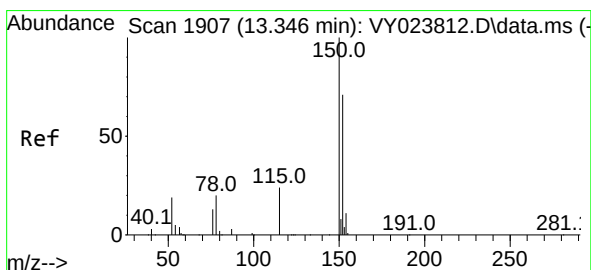
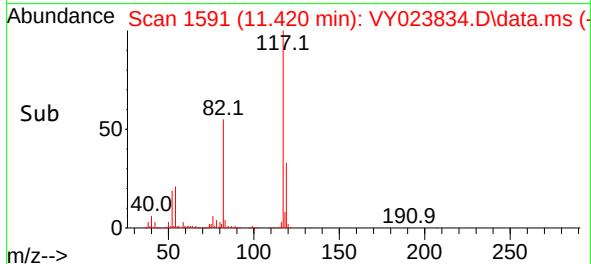
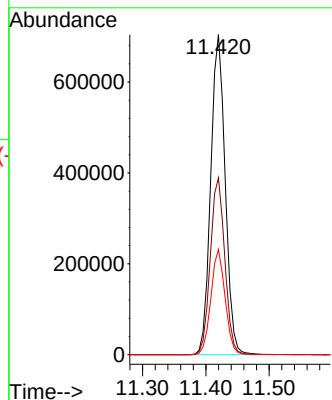
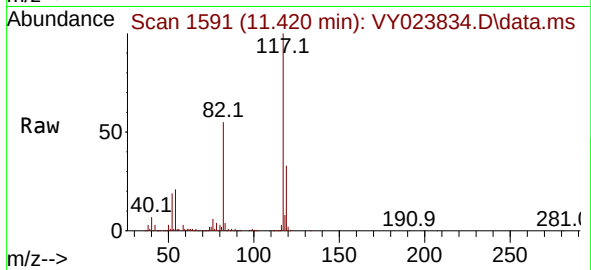
Tgt Ion:117 Resp: 1122921

Ion Ratio Lower Upper

117 100

82 55.3 45.4 68.0

119 33.0 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY023834.D

Acq: 01 Dec 2025 11:25

Tgt Ion:152 Resp: 427893

Ion Ratio Lower Upper

152 100

115 58.4 28.7 86.3

150 156.9 0.0 345.6

