

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023835.D
 Acq On : 01 Dec 2025 12:02
 Operator : SY/MD
 Sample : Q3735-01
 Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-3-112625

Quant Time: Dec 02 03:15:23 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	79437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	117840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	91890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	27525	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	44870	58.002	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.000%
35) Dibromofluoromethane	7.634	113	41966	60.117	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	120.240%
50) Toluene-d8	10.109	98	131661	47.484	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.960%
62) 4-Bromofluorobenzene	12.408	95	30523	33.456	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	66.920%

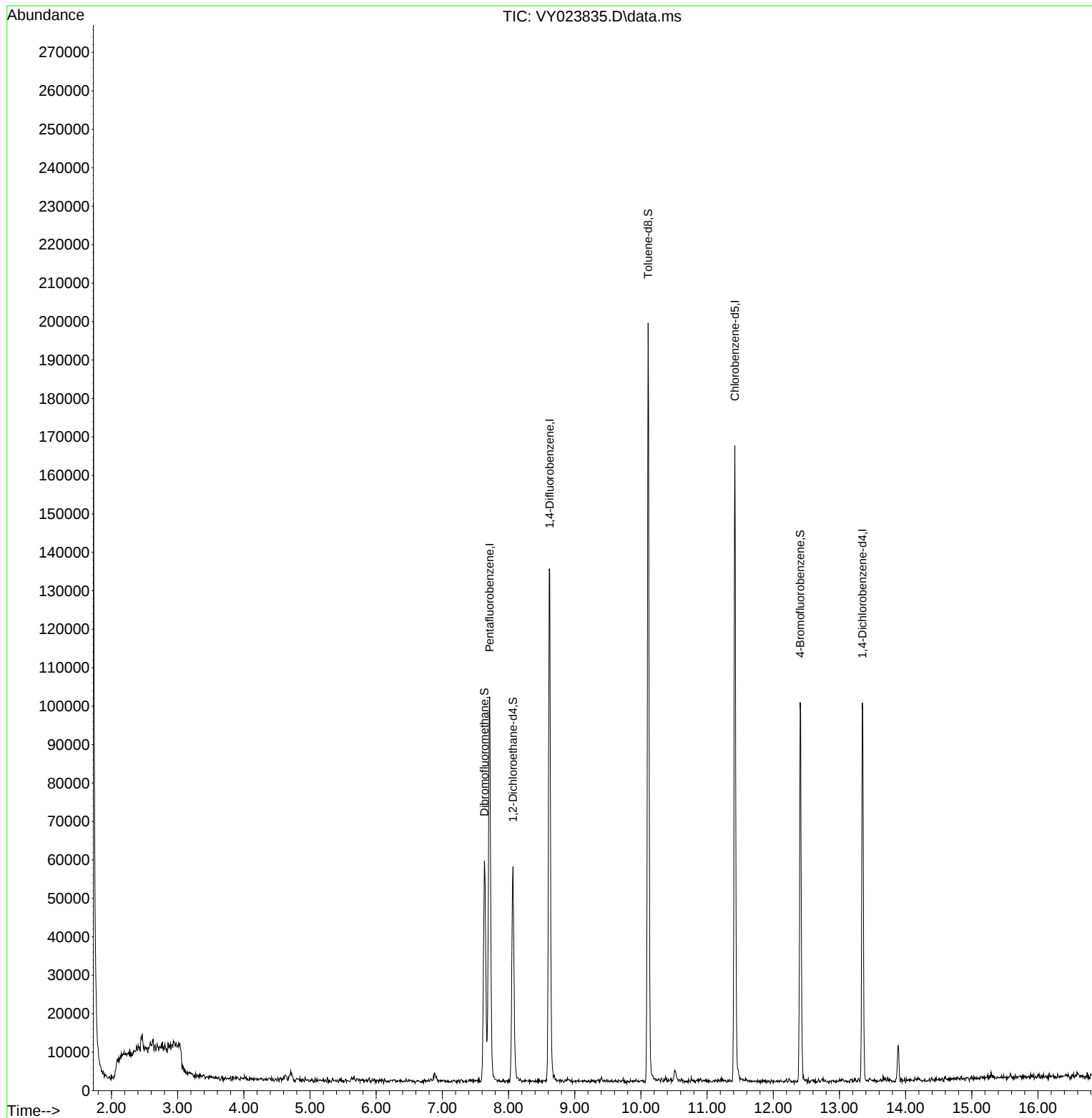
Target Compounds	Qvalue

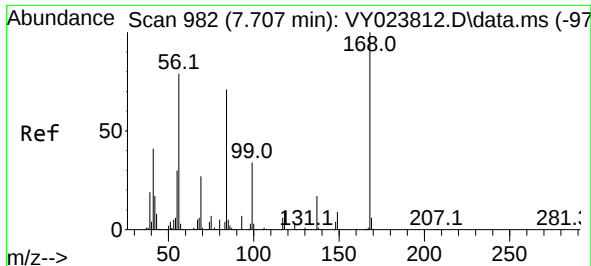
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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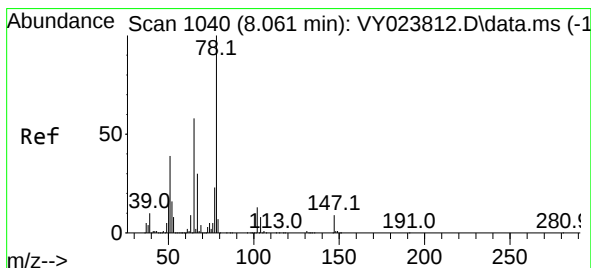
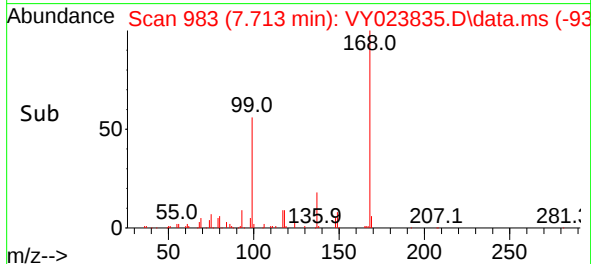
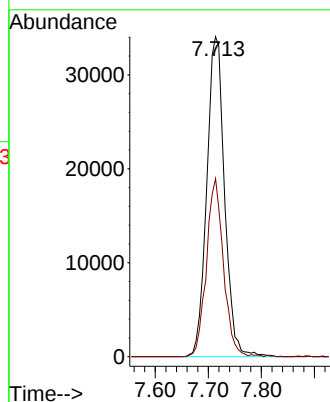
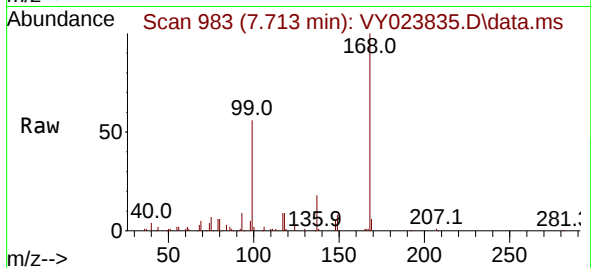




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023835.D
Acq: 01 Dec 2025 12:02

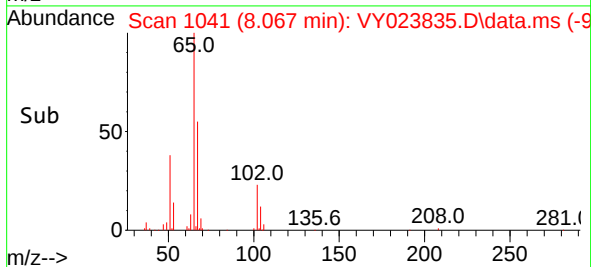
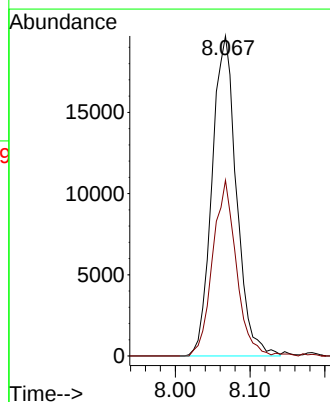
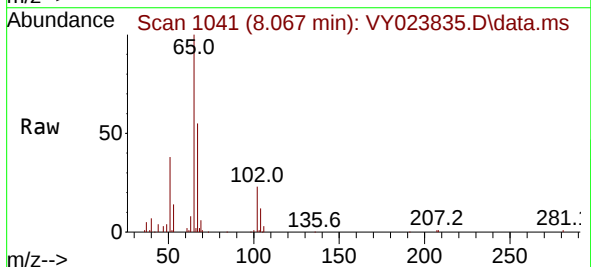
Instrument :
MSVOA_Y
ClientSampleId :
BU-3-112625

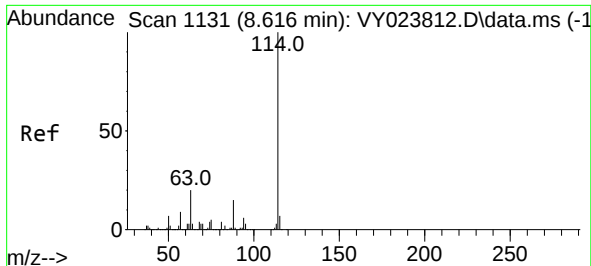
Tgt Ion:168 Resp: 79437
Ion Ratio Lower Upper
168 100
99 55.6 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 58.002 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023835.D
Acq: 01 Dec 2025 12:02

Tgt Ion: 65 Resp: 44870
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023835.D

Acq: 01 Dec 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

BU-3-112625

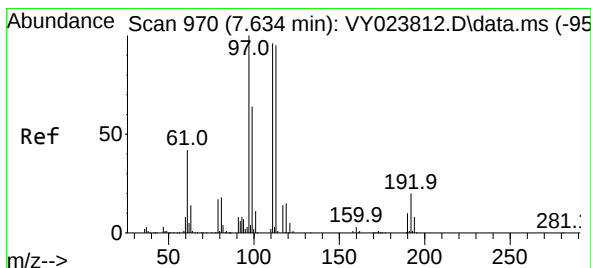
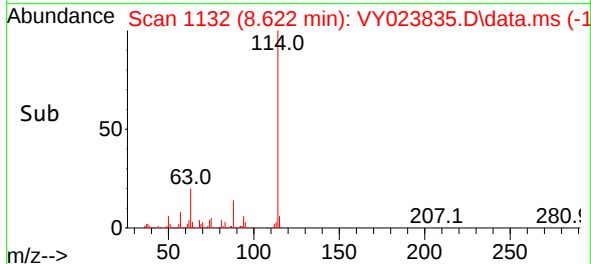
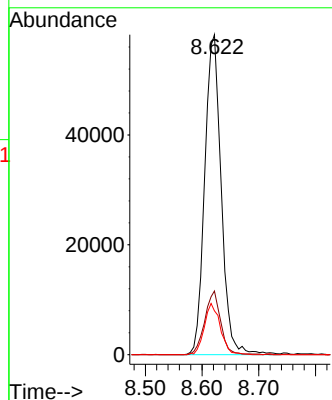
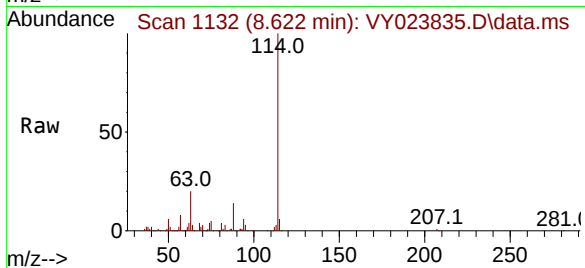
Tgt Ion:114 Resp: 117840

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.4

88 13.7 0.0 30.8



#35

Dibromofluoromethane

Concen: 60.117 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023835.D

Acq: 01 Dec 2025 12:02

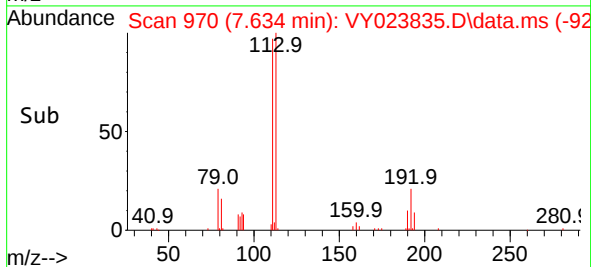
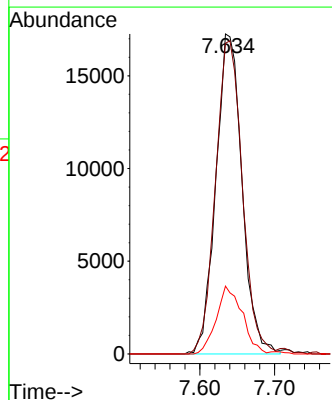
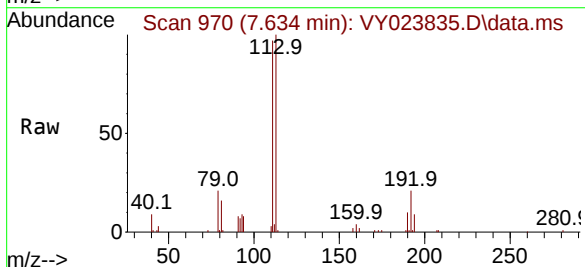
Tgt Ion:113 Resp: 41966

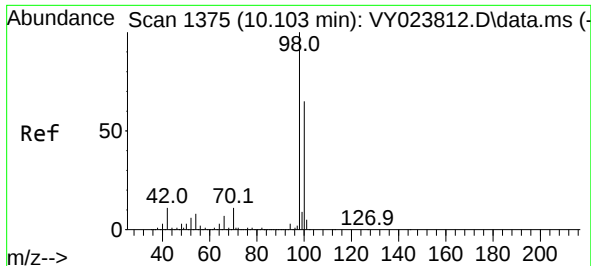
Ion Ratio Lower Upper

113 100

111 100.3 81.4 122.0

192 21.1 15.8 23.8

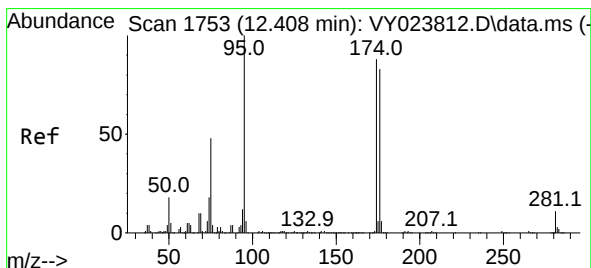
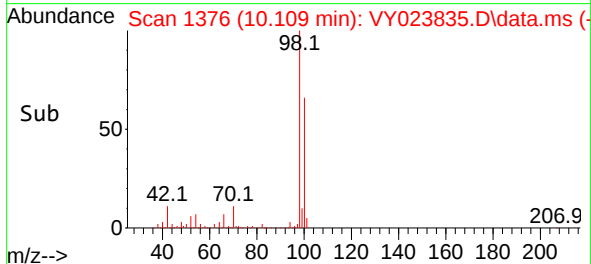
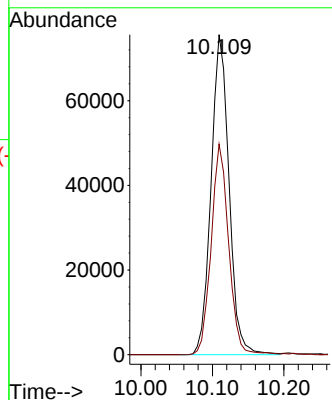
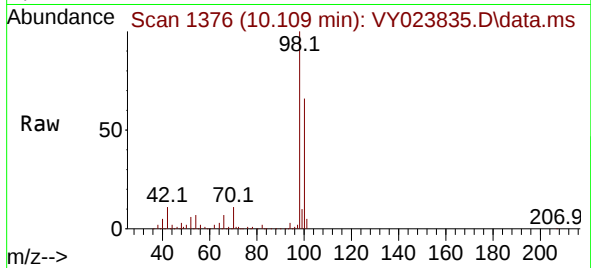




#50
Toluene-d8
Concen: 47.484 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023835.D
Acq: 01 Dec 2025 12:02

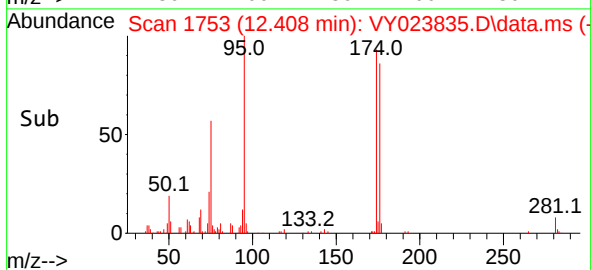
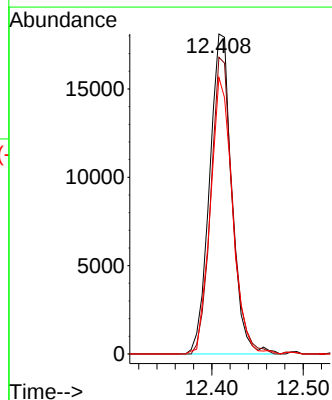
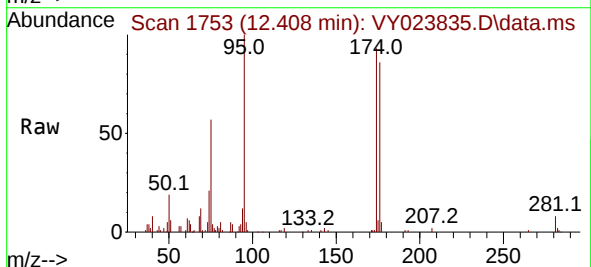
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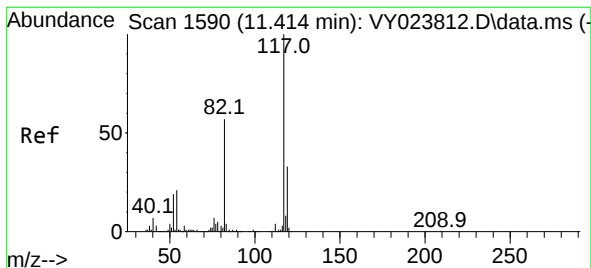
Tgt Ion: 98 Resp: 131661
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 33.456 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023835.D
Acq: 01 Dec 2025 12:02

Tgt Ion: 95 Resp: 30523
Ion Ratio Lower Upper
95 100
174 90.7 0.0 168.6
176 85.9 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: VY023835.D

Acq: 01 Dec 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

BU-3-112625

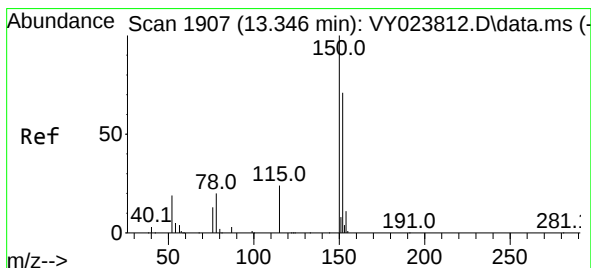
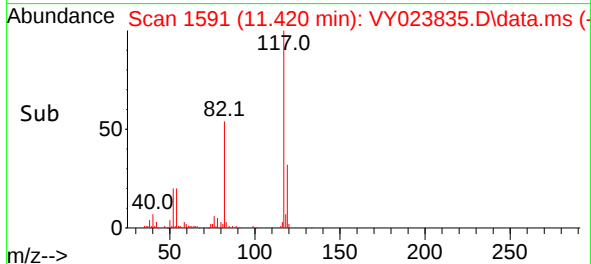
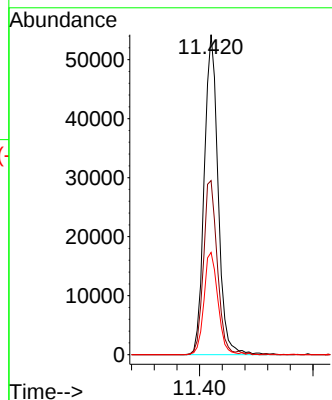
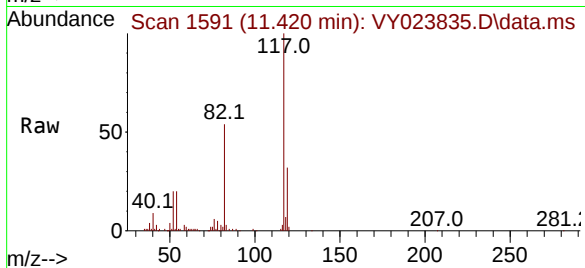
Tgt Ion:117 Resp: 91890

Ion Ratio Lower Upper

117 100

82 54.4 45.4 68.0

119 32.0 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023835.D

Acq: 01 Dec 2025 12:02

Tgt Ion:152 Resp: 27525

Ion Ratio Lower Upper

152 100

115 57.2 28.7 86.3

150 157.7 0.0 345.6

