

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
 Data File : VY023347.D
 Acq On : 11 Sep 2025 14:39
 Operator : SY/MD
 Sample : Q3082-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-29

Quant Time: Sep 12 01:28:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	627367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1172447	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1064560	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	406332	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	336870	61.107	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.220%
35) Dibromofluoromethane	7.634	113	382572	53.381	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.760%
50) Toluene-d8	10.109	98	1395438	51.564	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.120%
62) 4-Bromofluorobenzene	12.408	95	417407	49.012	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.020%

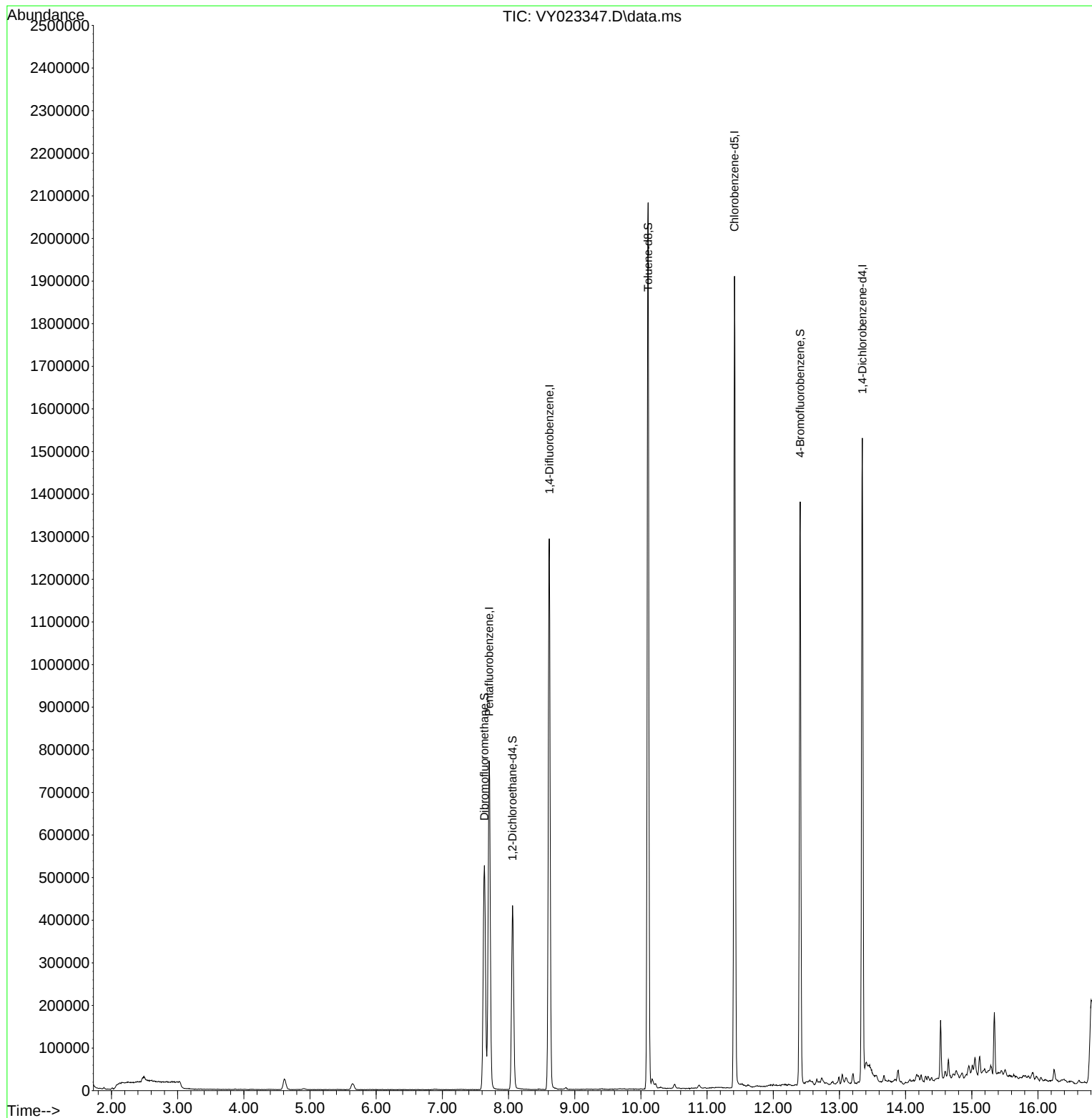
Target Compounds	Qvalue

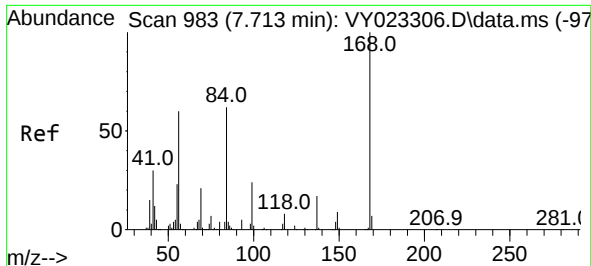
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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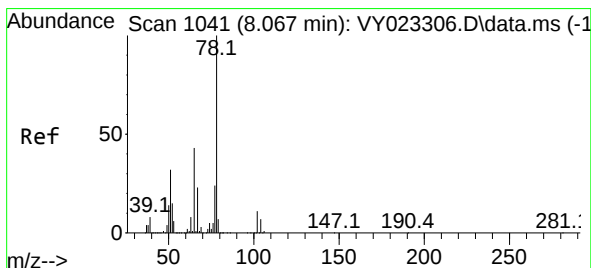
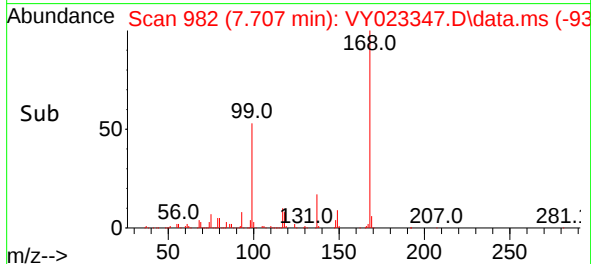
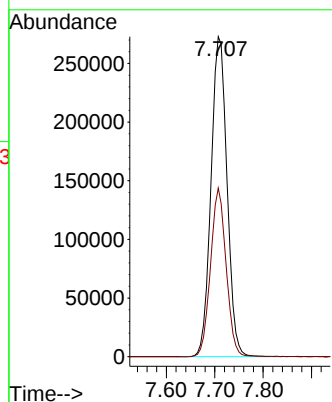
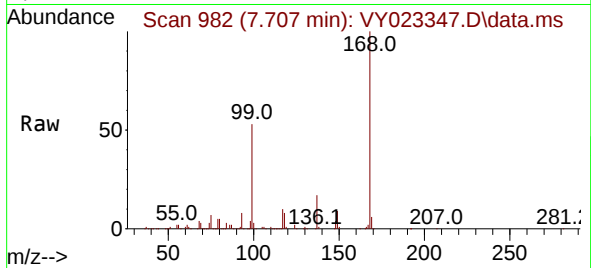




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023347.D
Acq: 11 Sep 2025 14:39

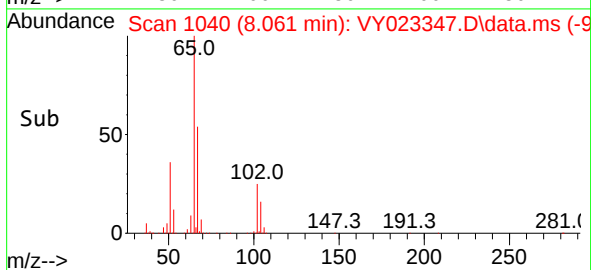
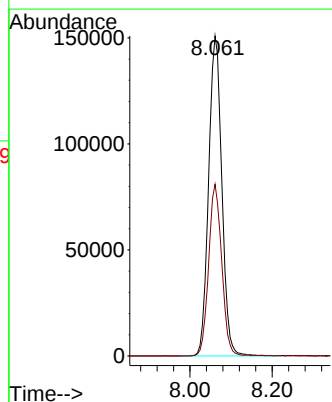
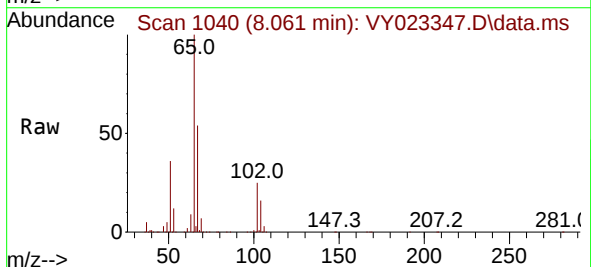
Instrument :
MSVOA_Y
ClientSampleId :
WC-29

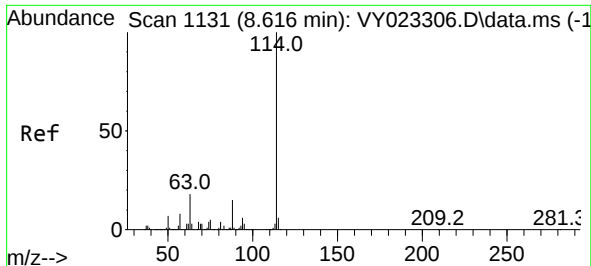
Tgt Ion:168 Resp: 627367
Ion Ratio Lower Upper
168 100
99 52.7 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 61.107 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023347.D
Acq: 11 Sep 2025 14:39

Tgt Ion: 65 Resp: 336870
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023347.D

Acq: 11 Sep 2025 14:39

Instrument :

MSVOA_Y

ClientSampleId :

WC-29

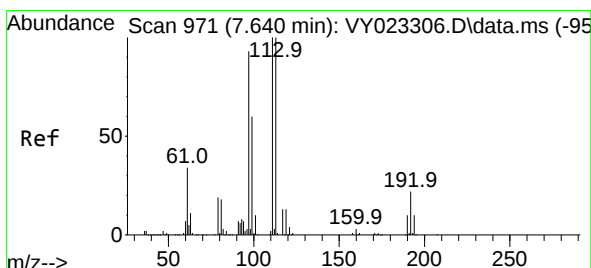
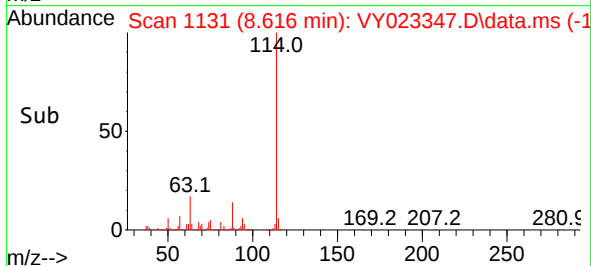
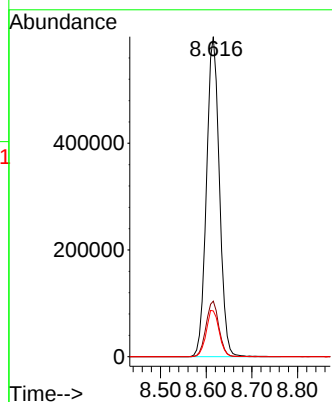
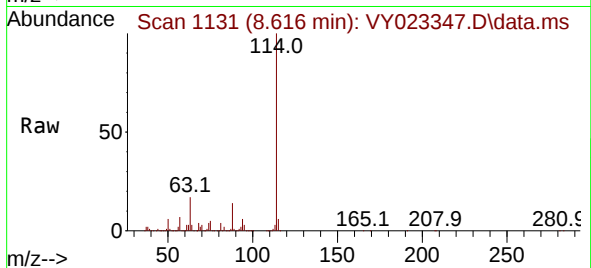
Tgt Ion:114 Resp: 1172447

Ion Ratio Lower Upper

114 100

63 17.3 0.0 38.4

88 14.3 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.381 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023347.D

Acq: 11 Sep 2025 14:39

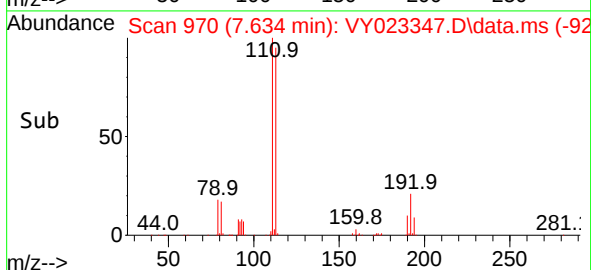
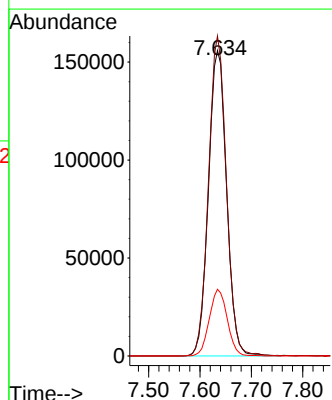
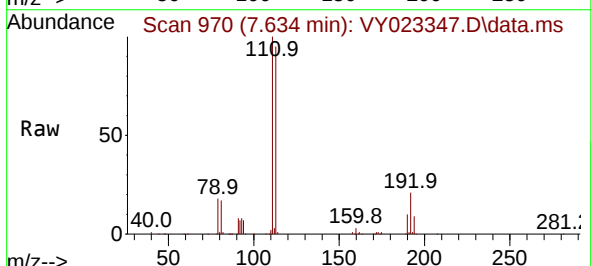
Tgt Ion:113 Resp: 382572

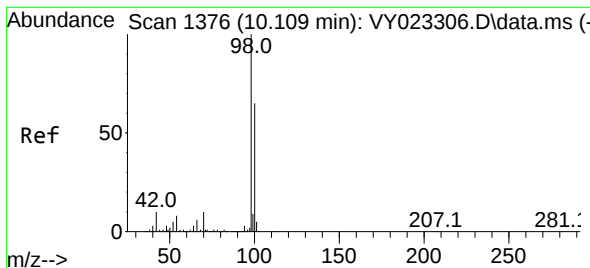
Ion Ratio Lower Upper

113 100

111 103.1 81.1 121.7

192 21.6 16.2 24.4





#50

Toluene-d8

Concen: 51.564 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023347.D

Acq: 11 Sep 2025 14:39

Instrument :

MSVOA_Y

ClientSampleId :

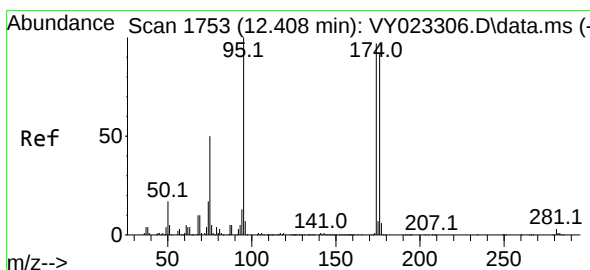
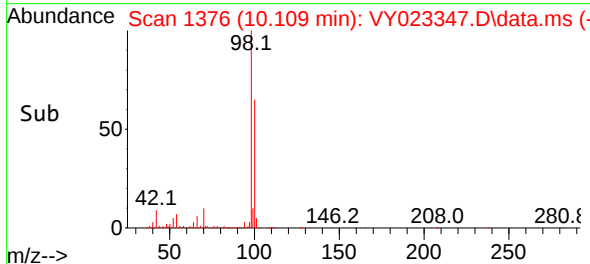
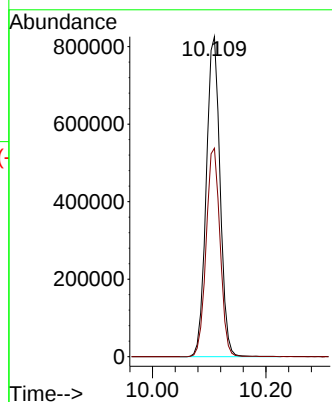
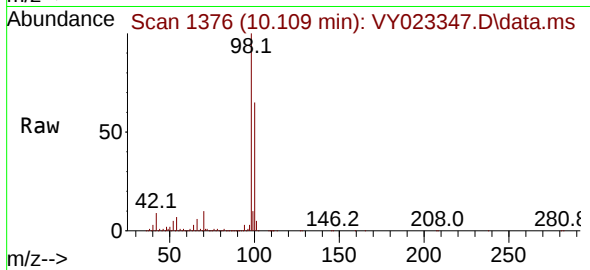
WC-29

Tgt Ion: 98 Resp: 1395438

Ion Ratio Lower Upper

98 100

100 65.7 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 49.012 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023347.D

Acq: 11 Sep 2025 14:39

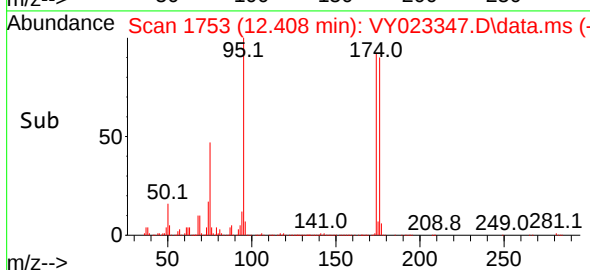
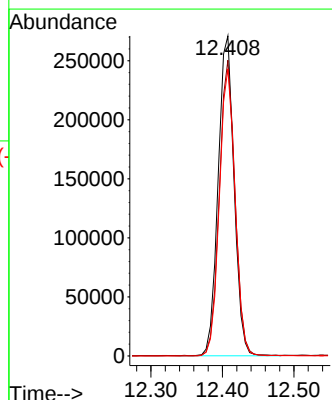
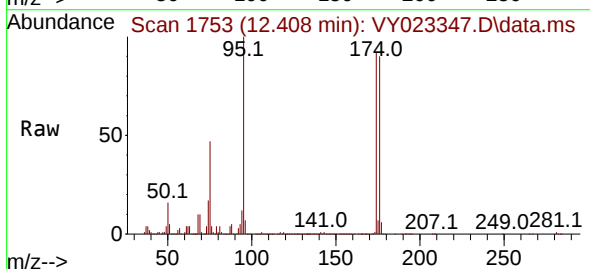
Tgt Ion: 95 Resp: 417407

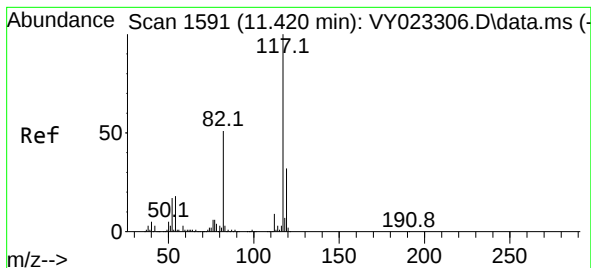
Ion Ratio Lower Upper

95 100

174 91.5 0.0 171.6

176 88.9 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: VY023347.D

Acq: 11 Sep 2025 14:39

Instrument :

MSVOA_Y

ClientSampleId :

WC-29

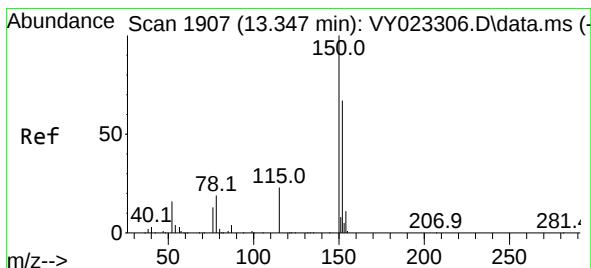
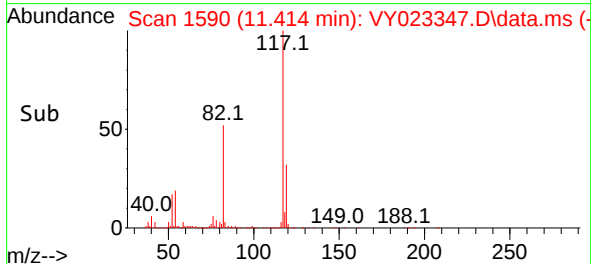
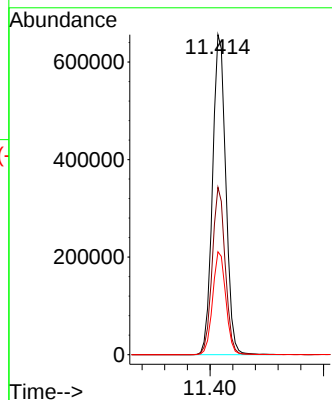
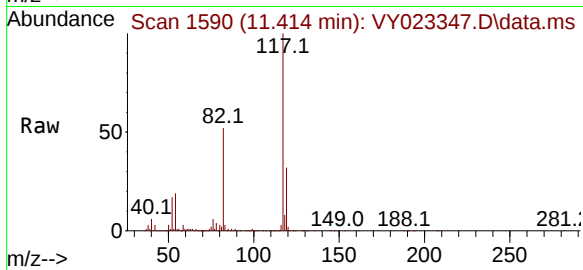
Tgt Ion:117 Resp: 1064560

Ion Ratio Lower Upper

117 100

82 52.3 43.4 65.0

119 32.1 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: VY023347.D

Acq: 11 Sep 2025 14:39

Tgt Ion:152 Resp: 406332

Ion Ratio Lower Upper

152 100

115 56.1 28.2 84.6

150 157.2 0.0 348.0

