

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101325\
 Data File : VY023448.D
 Acq On : 13 Oct 2025 09:23
 Operator : SY/MD
 Sample : VY1013SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1013SBL01

Quant Time: Oct 14 04:15:34 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	605372	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1129124	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1157386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	499301	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	277738	54.865	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.720%
35) Dibromofluoromethane	7.640	113	366974	52.894	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.780%
50) Toluene-d8	10.109	98	1352689	52.354	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.700%
62) 4-Bromofluorobenzene	12.408	95	459278	53.841	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	107.680%

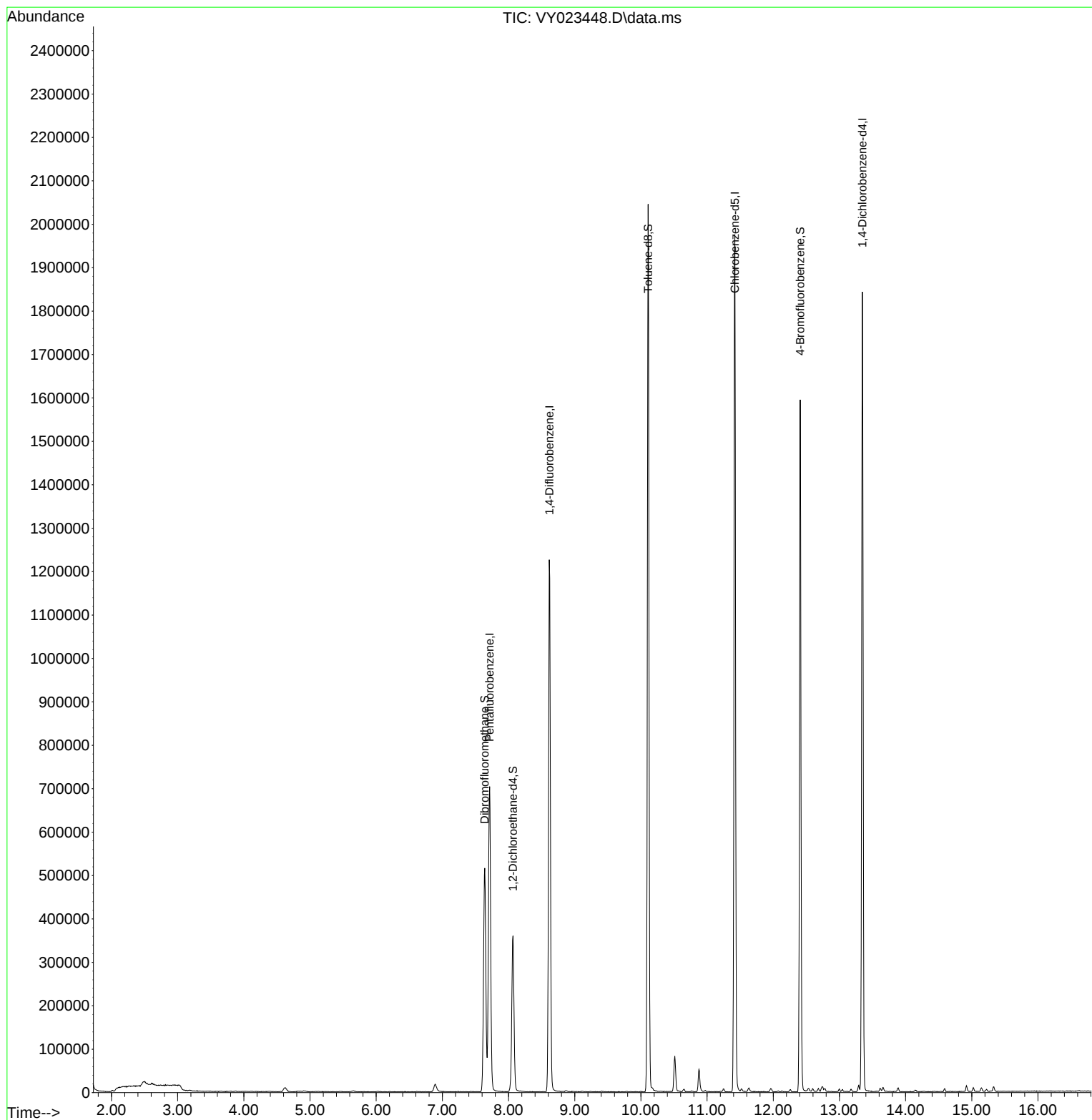
Target Compounds	Qvalue

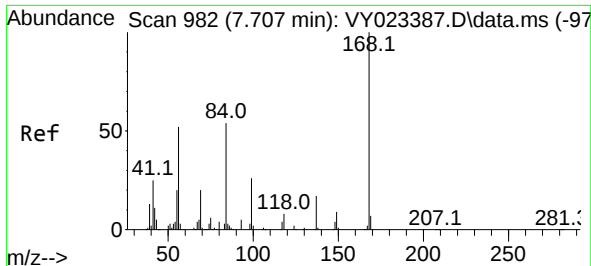
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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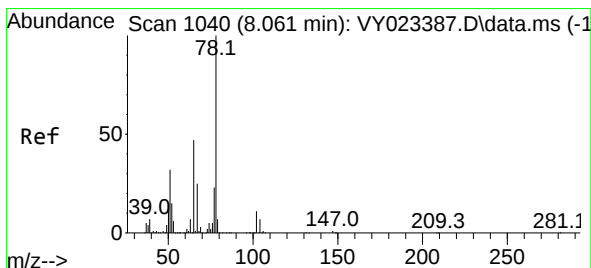
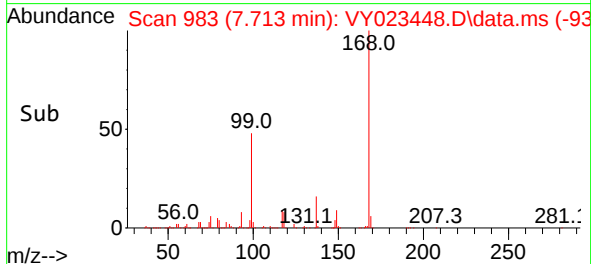
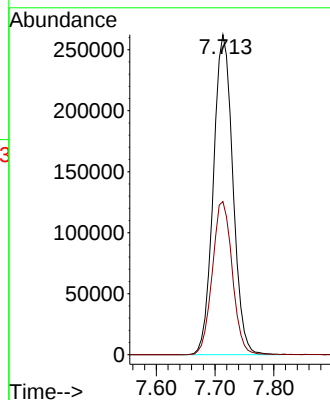
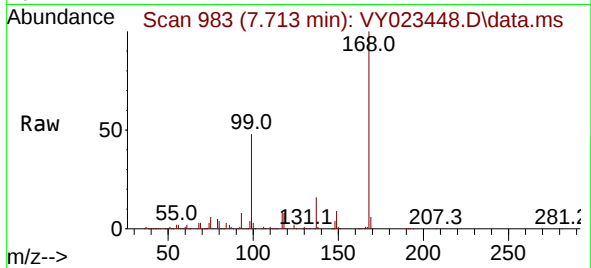




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023448.D
Acq: 13 Oct 2025 09:23

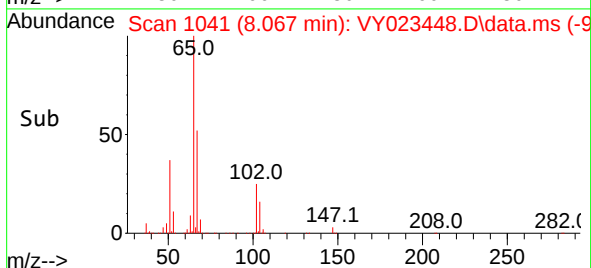
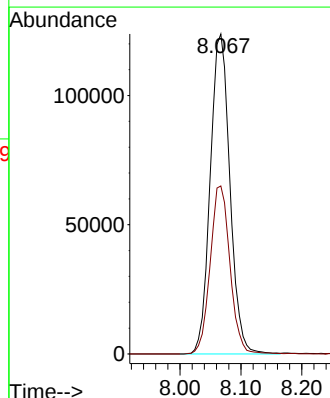
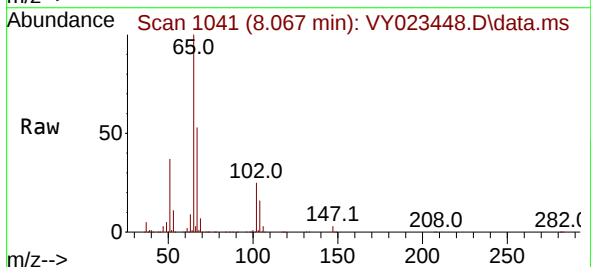
Instrument :
MSVOA_Y
ClientSampleId :
VY1013SBL01

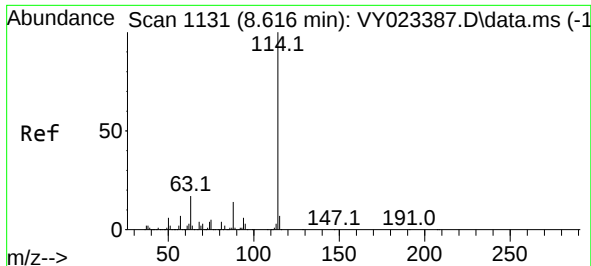
Tgt Ion:168 Resp: 605372
Ion Ratio Lower Upper
168 100
99 47.8 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 54.865 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023448.D
Acq: 13 Oct 2025 09:23

Tgt Ion: 65 Resp: 277738
Ion Ratio Lower Upper
65 100
67 52.8 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: VY023448.D

Acq: 13 Oct 2025 09:23

Instrument :

MSVOA_Y

ClientSampleId :

VY1013SBL01

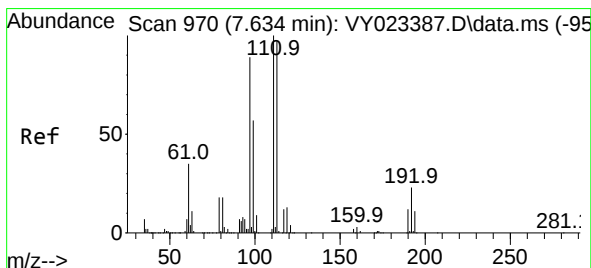
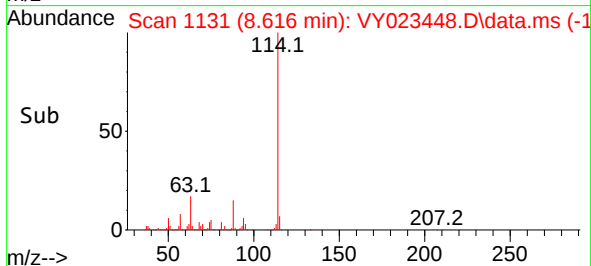
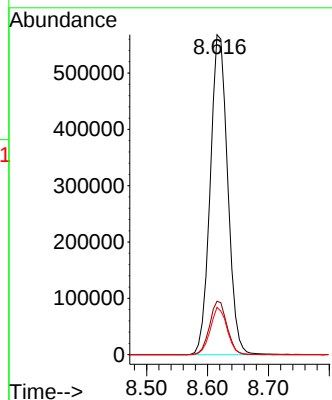
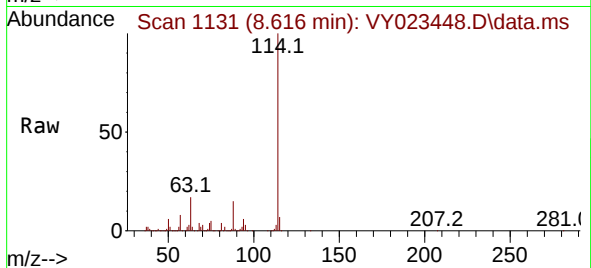
Tgt Ion:114 Resp: 1129124

Ion Ratio Lower Upper

114 100

63 16.7 0.0 34.2

88 14.8 0.0 28.4



#35

Dibromofluoromethane

Concen: 52.894 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023448.D

Acq: 13 Oct 2025 09:23

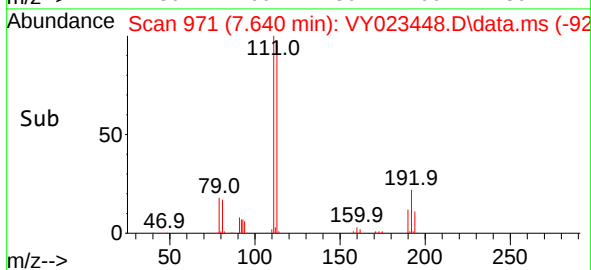
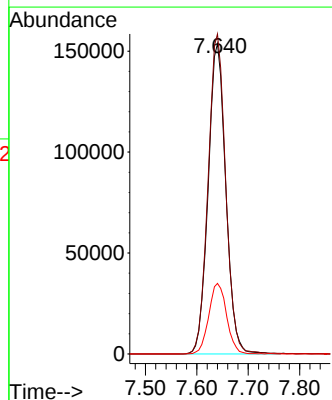
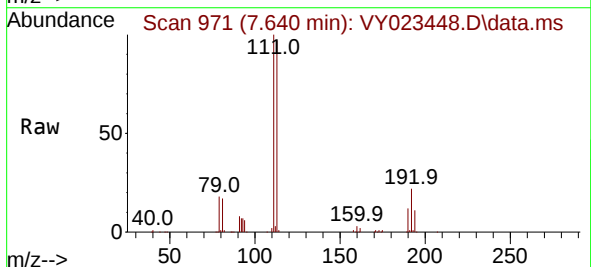
Tgt Ion:113 Resp: 366974

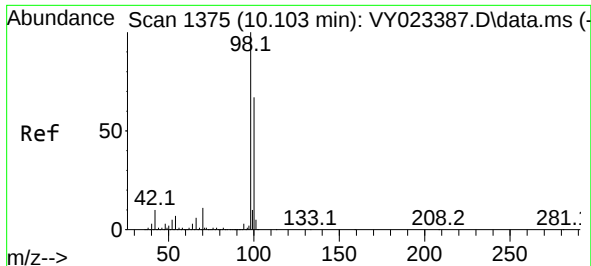
Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.6

192 23.0 18.0 27.0

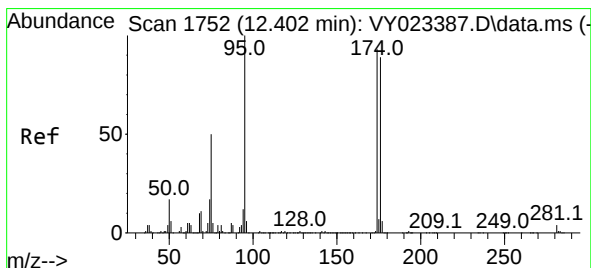
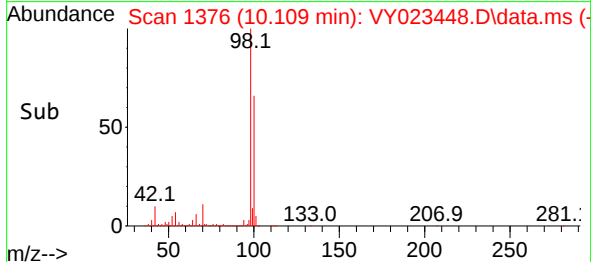
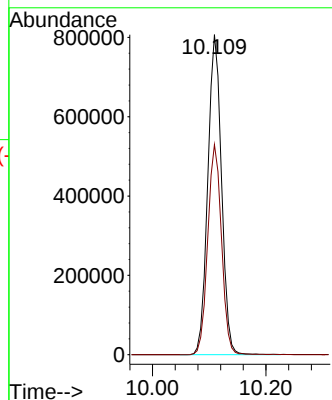
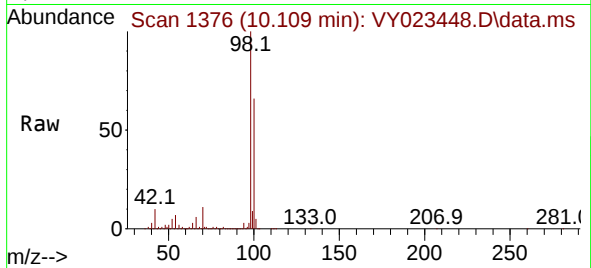




#50
Toluene-d8
Concen: 52.354 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023448.D
Acq: 13 Oct 2025 09:23

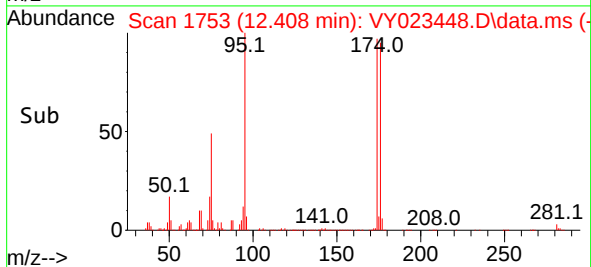
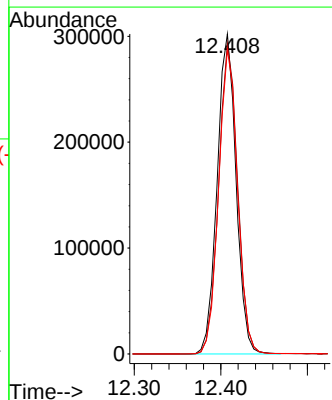
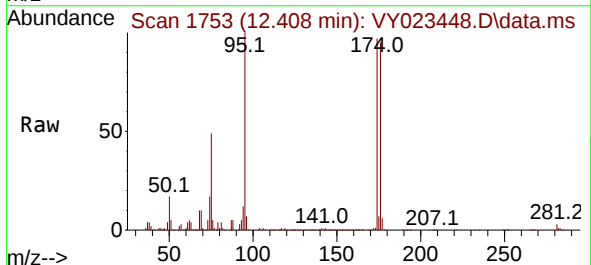
Instrument :
MSVOA_Y
ClientSampleId :
VY1013SBL01

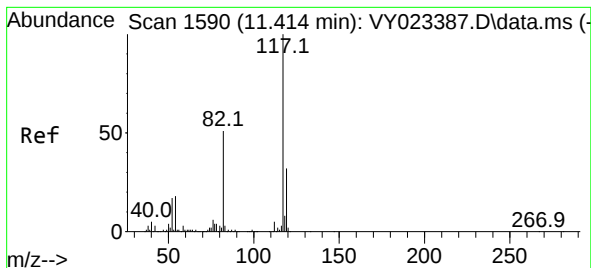
Tgt Ion: 98 Resp: 1352689
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 53.841 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023448.D
Acq: 13 Oct 2025 09:23

Tgt Ion: 95 Resp: 459278
Ion Ratio Lower Upper
95 100
174 97.4 0.0 192.8
176 95.0 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: VY023448.D

Acq: 13 Oct 2025 09:23

Instrument :

MSVOA_Y

ClientSampleId :

VY1013SBL01

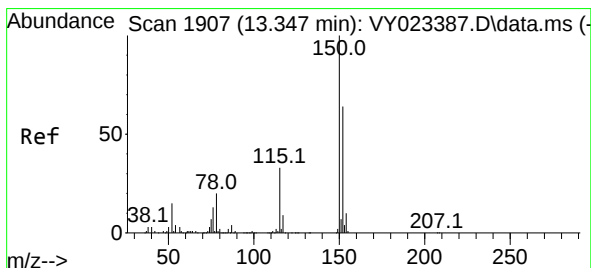
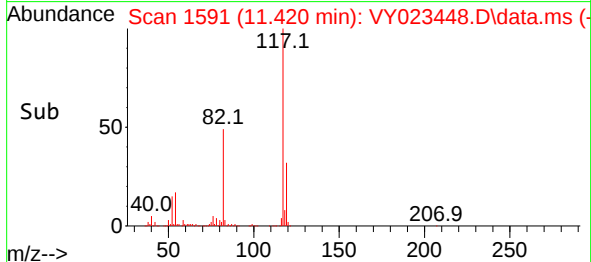
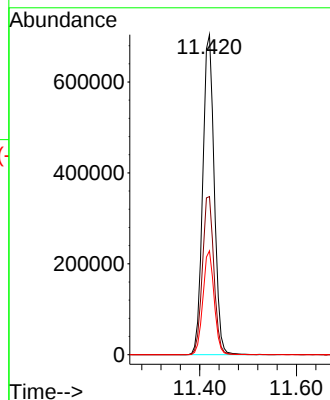
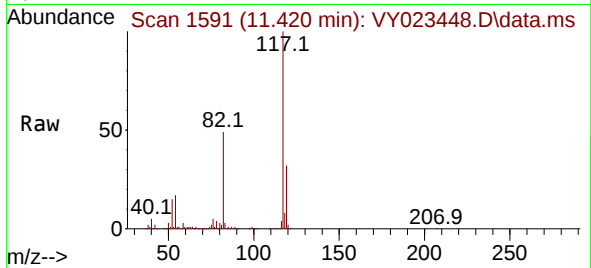
Tgt Ion:117 Resp: 1157386

Ion Ratio Lower Upper

117 100

82 49.4 41.0 61.4

119 32.4 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: VY023448.D

Acq: 13 Oct 2025 09:23

Tgt Ion:152 Resp: 499301

Ion Ratio Lower Upper

152 100

115 54.7 27.1 81.2

150 157.2 0.0 347.4

