

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103125\
 Data File : VY023645.D
 Acq On : 31 Oct 2025 15:25
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Nov 01 03:24:28 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	813579	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1374208	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1205859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	497262	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	361852	53.188	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.380%
35) Dibromofluoromethane	7.640	113	418780	49.596	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.200%
50) Toluene-d8	10.109	98	1583179	50.346	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.700%
62) 4-Bromofluorobenzene	12.408	95	477486	45.993	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.980%

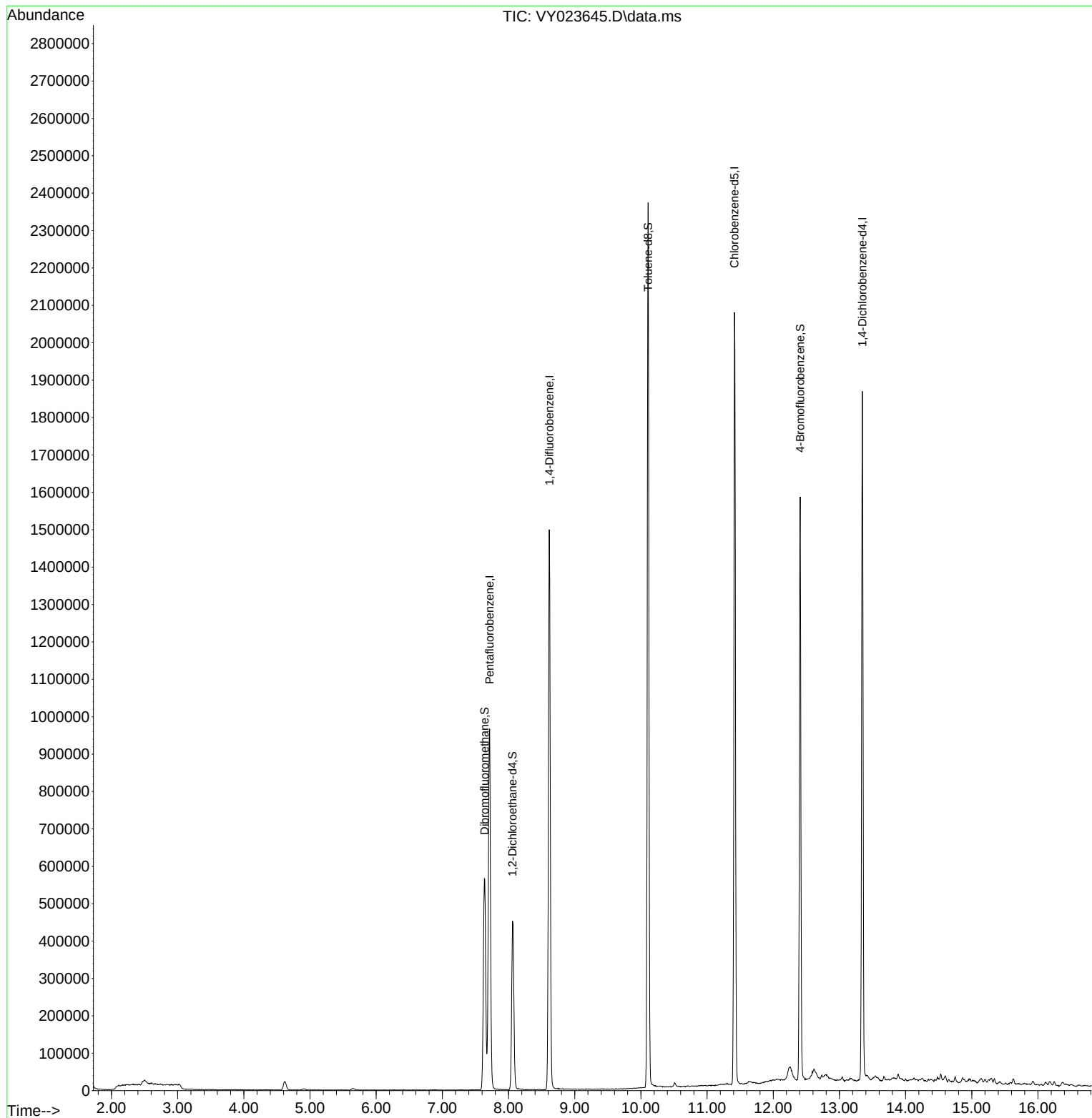
Target Compounds	Qvalue

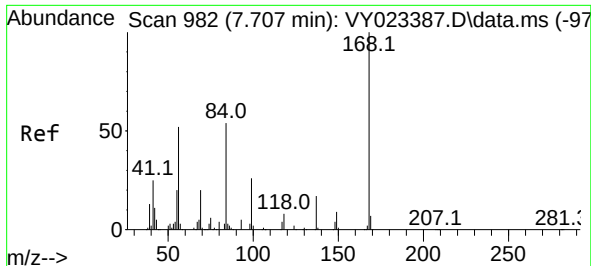
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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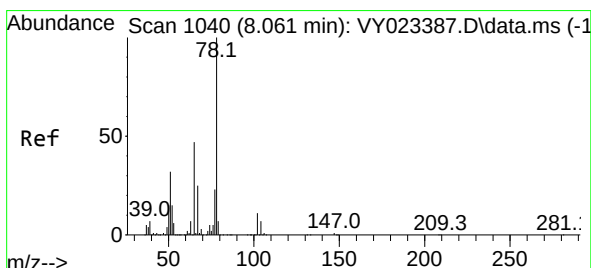
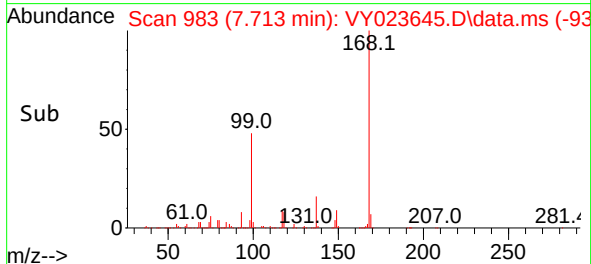
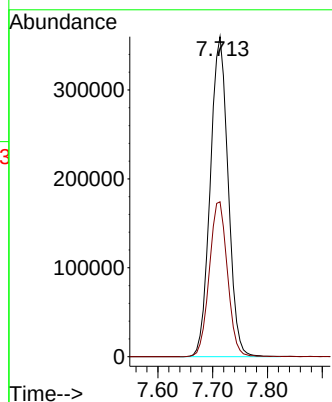
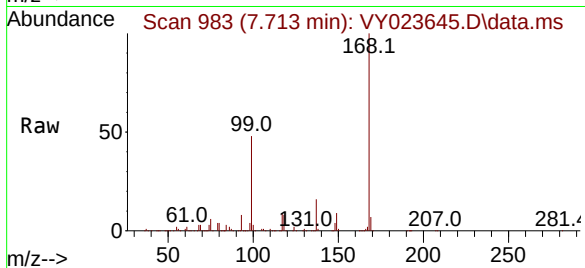




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023645.D
Acq: 31 Oct 2025 15:25

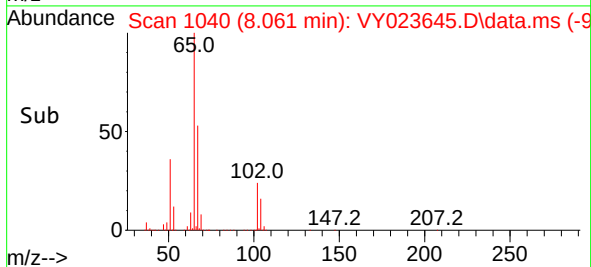
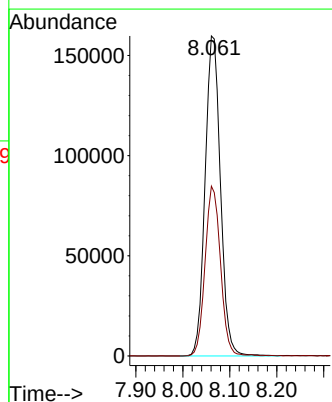
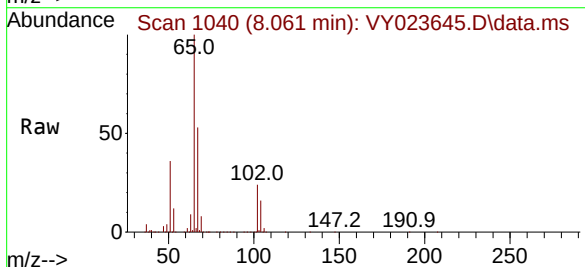
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

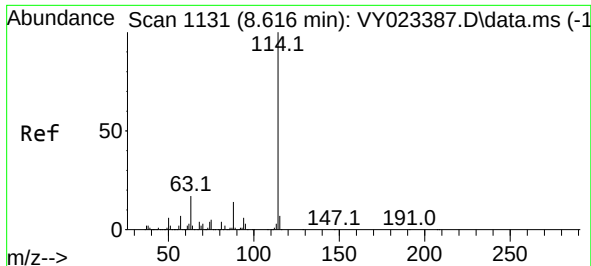
Tgt Ion:168 Resp: 813579
Ion Ratio Lower Upper
168 100
99 48.4 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 53.188 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023645.D
Acq: 31 Oct 2025 15:25

Tgt Ion: 65 Resp: 361852
Ion Ratio Lower Upper
65 100
67 53.2 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: VY023645.D

Acq: 31 Oct 2025 15:25

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

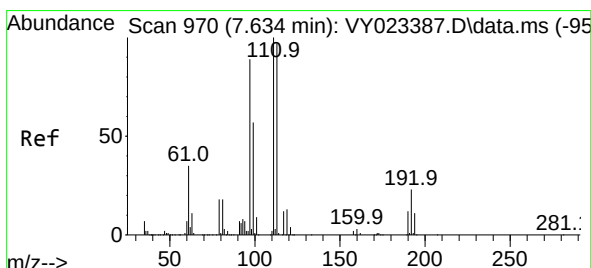
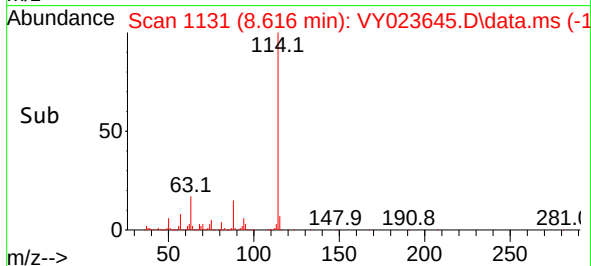
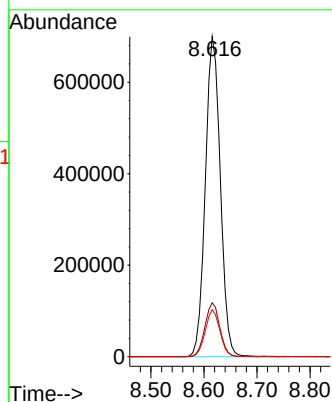
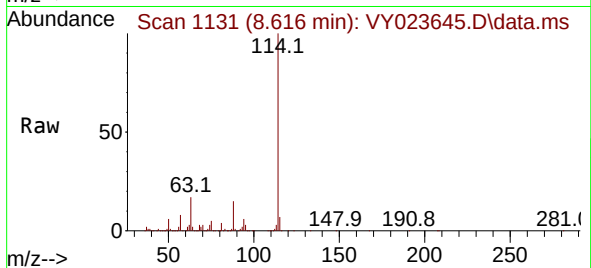
Tgt Ion:114 Resp: 1374208

Ion Ratio Lower Upper

114 100

63 16.8 0.0 34.2

88 14.7 0.0 28.4



#35

Dibromofluoromethane

Concen: 49.596 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023645.D

Acq: 31 Oct 2025 15:25

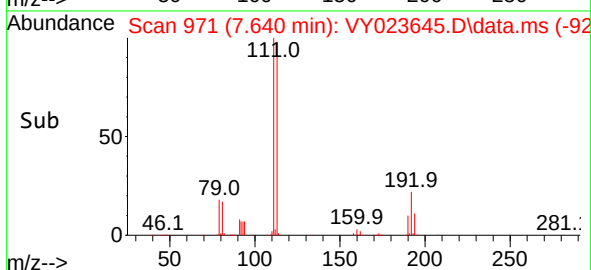
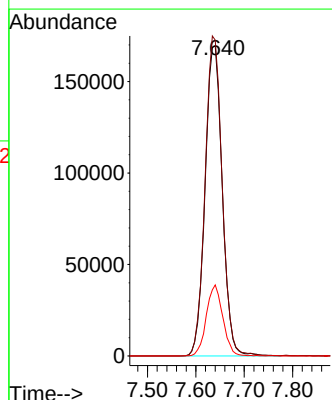
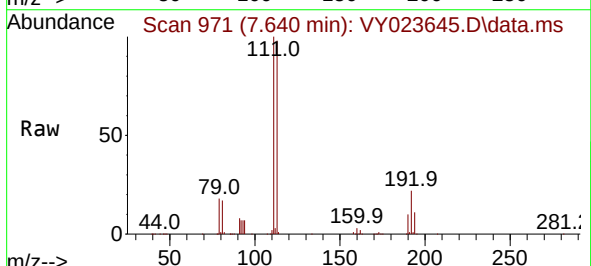
Tgt Ion:113 Resp: 418780

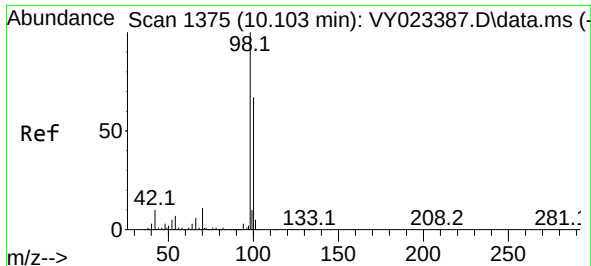
Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.6

192 22.0 18.0 27.0

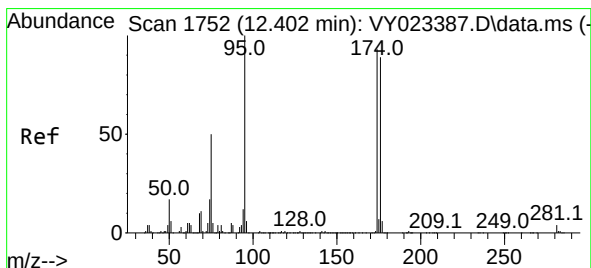
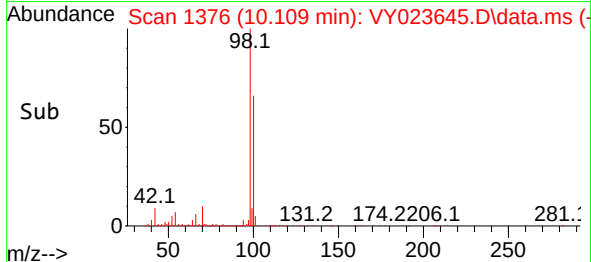
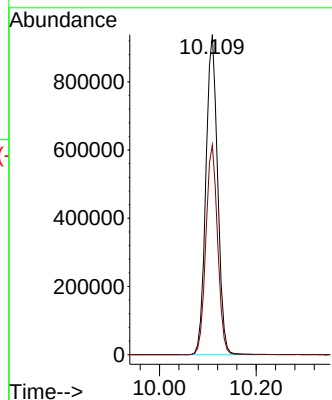
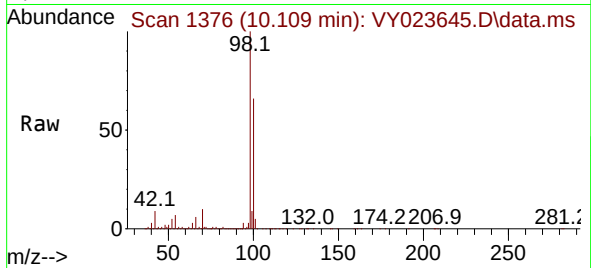




#50
Toluene-d8
Concen: 50.346 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023645.D
Acq: 31 Oct 2025 15:25

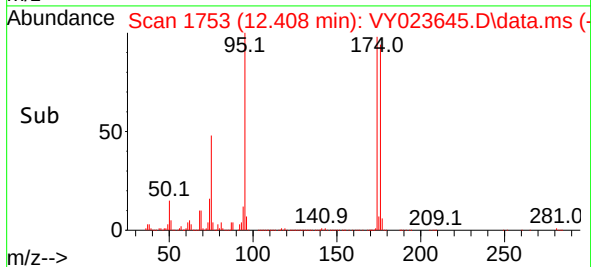
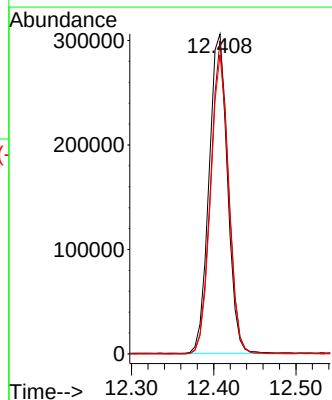
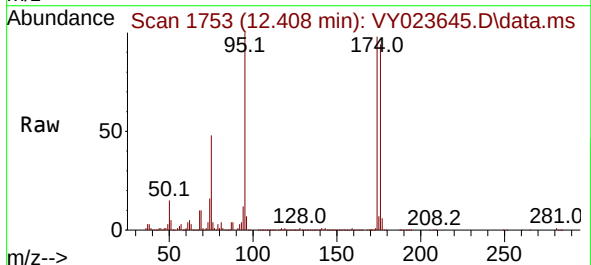
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

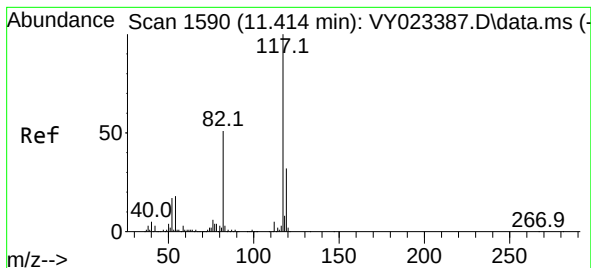
Tgt Ion: 98 Resp: 1583179
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 45.993 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023645.D
Acq: 31 Oct 2025 15:25

Tgt Ion: 95 Resp: 477486
Ion Ratio Lower Upper
95 100
174 95.4 0.0 192.8
176 91.4 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023645.D

Acq: 31 Oct 2025 15:25

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

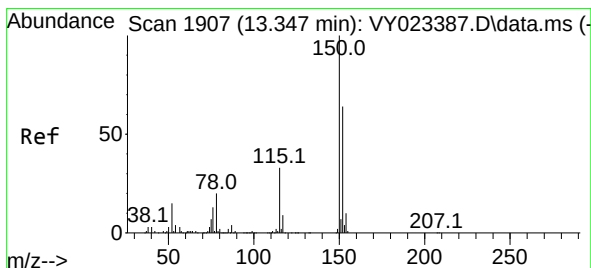
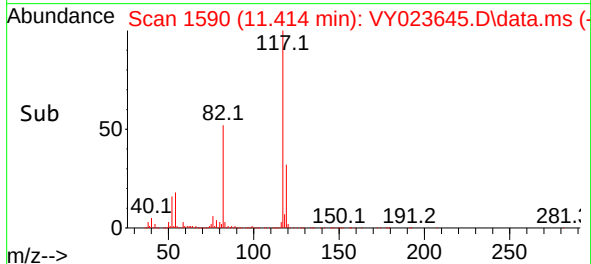
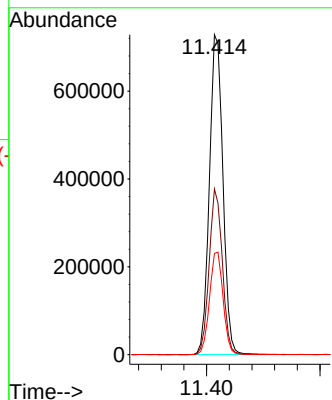
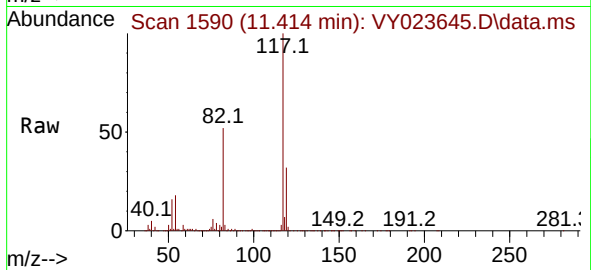
Tgt Ion:117 Resp: 1205859

Ion Ratio Lower Upper

117 100

82 51.8 41.0 61.4

119 31.6 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: VY023645.D

Acq: 31 Oct 2025 15:25

Tgt Ion:152 Resp: 497262

Ion Ratio Lower Upper

152 100

115 54.2 27.1 81.2

150 155.9 0.0 347.4

