

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
 Data File : VY023886.D
 Acq On : 04 Dec 2025 11:58
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Dec 05 01:44:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:49:13 2025
 Response via : Initial Calibration

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

Internal Standards					
1) Pentafluorobenzene	7.713	168	759696	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1365557	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1183749	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	505214	50.000 ug/l	0.00

System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.067	65	410204	53.976 ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.960%
35) Dibromofluoromethane	7.640	113	421329	48.106 ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.220%
50) Toluene-d8	10.109	98	1604322	47.072 ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.140%
62) 4-Bromofluorobenzene	12.408	95	504059	43.361 ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.720%

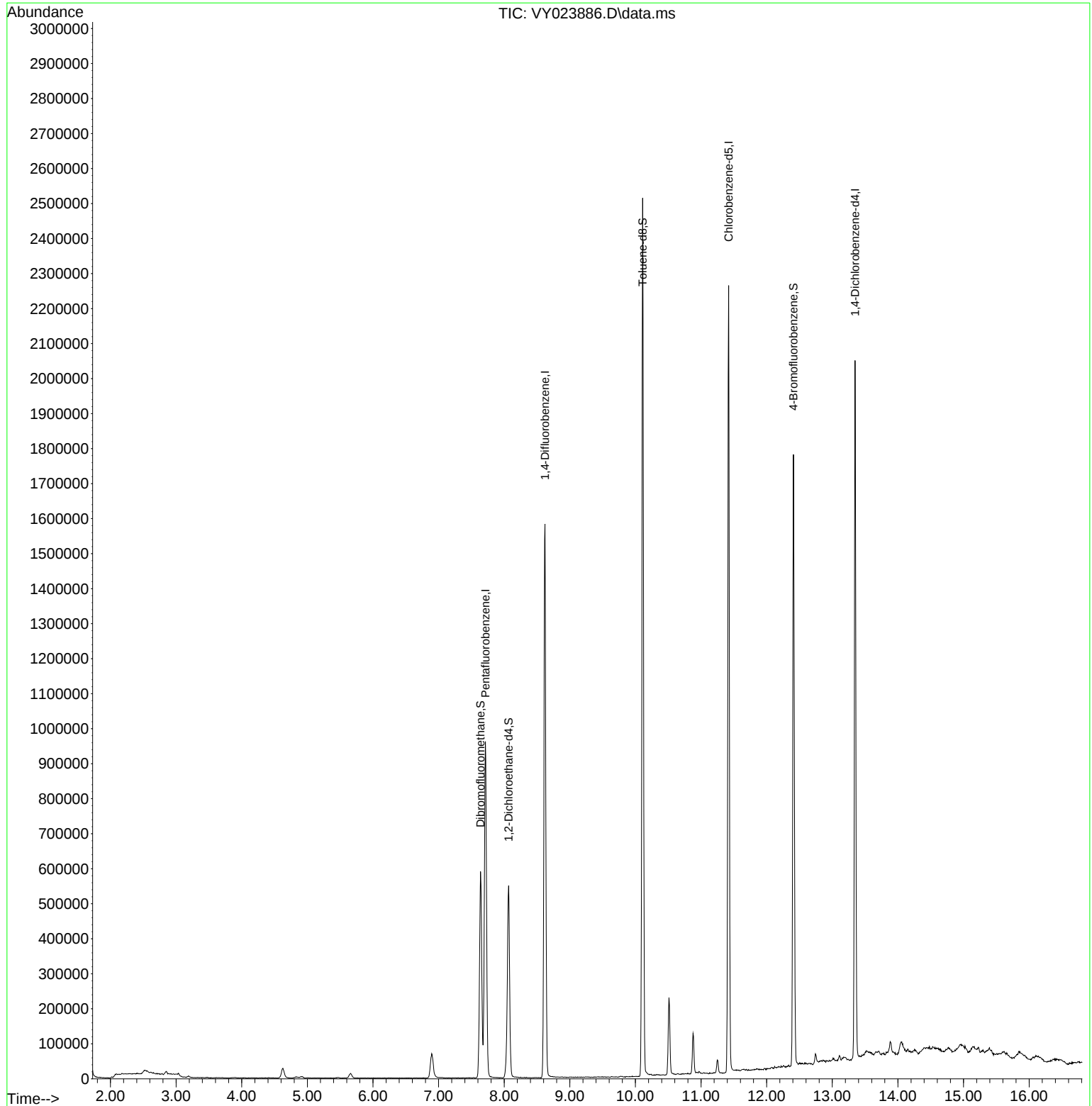
Target Compounds	Qvalue

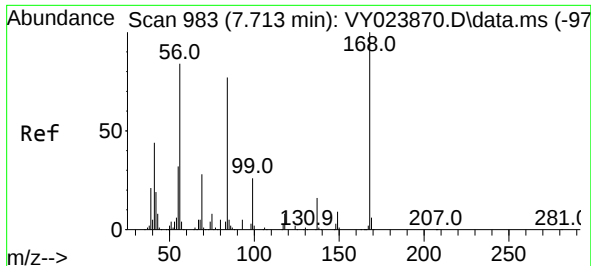
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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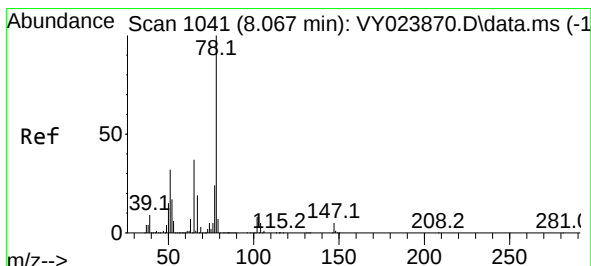
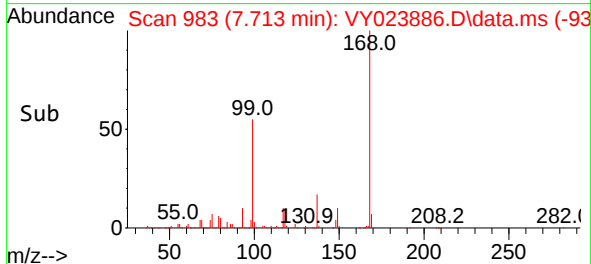
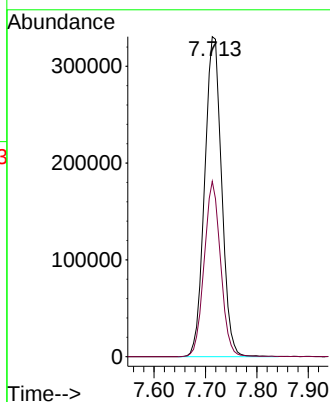
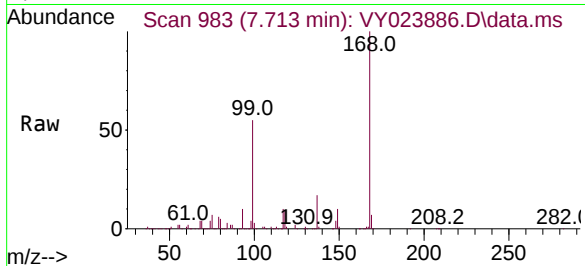




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY023886.D
Acq: 04 Dec 2025 11:58

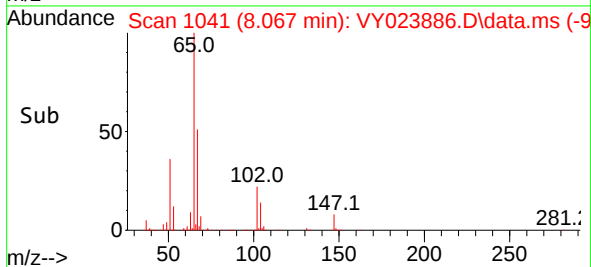
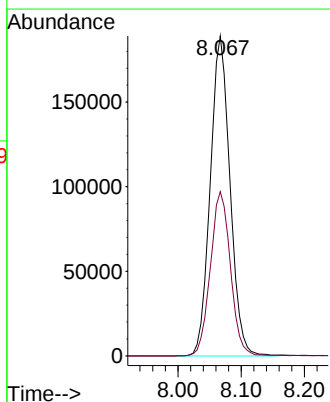
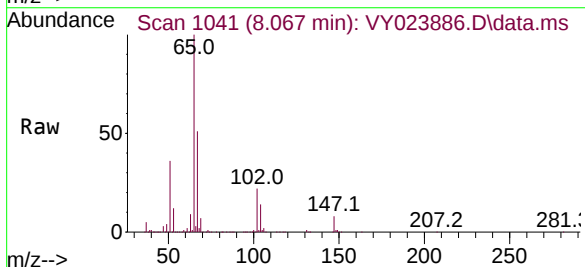
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

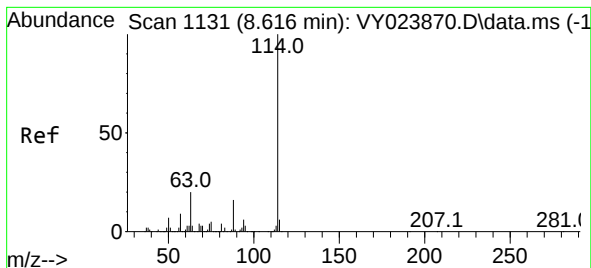
Tgt Ion:168 Resp: 759696
Ion Ratio Lower Upper
168 100
99 54.8 42.5 63.7



#33
1,2-Dichloroethane-d4
Concen: 53.976 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY023886.D
Acq: 04 Dec 2025 11:58

Tgt Ion: 65 Resp: 410204
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023886.D

Acq: 04 Dec 2025 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

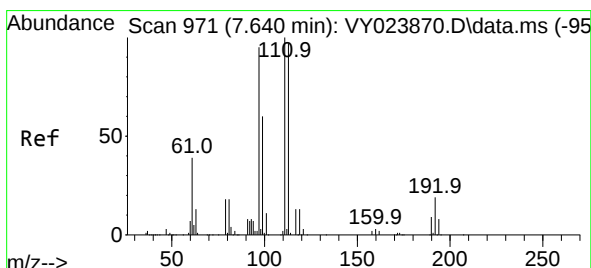
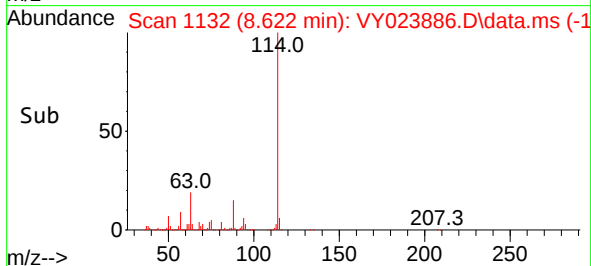
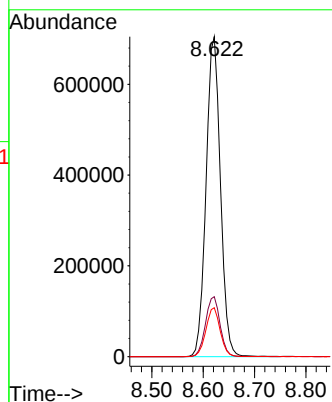
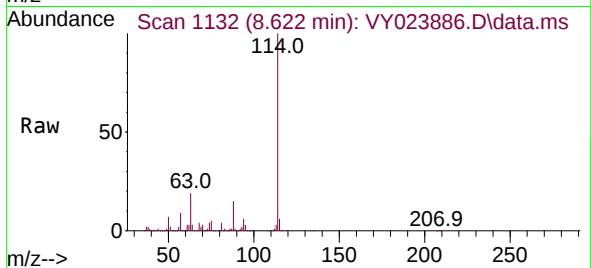
Tgt Ion:114 Resp: 1365557

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.2

88 15.3 0.0 31.4



#35

Dibromofluoromethane

Concen: 48.106 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY023886.D

Acq: 04 Dec 2025 11:58

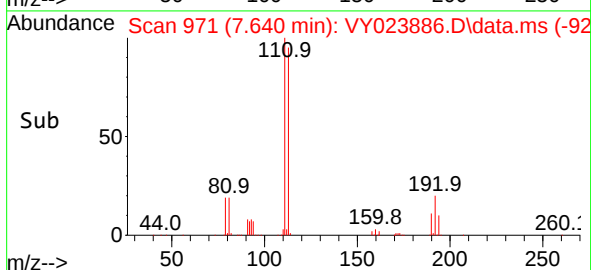
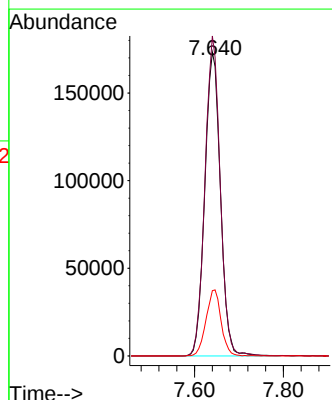
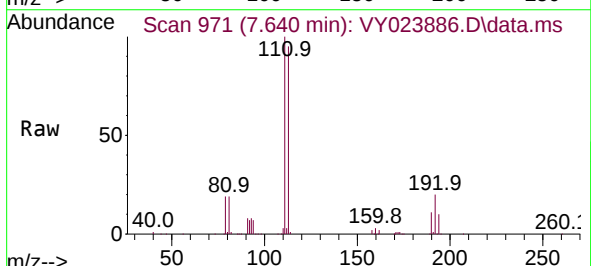
Tgt Ion:113 Resp: 421329

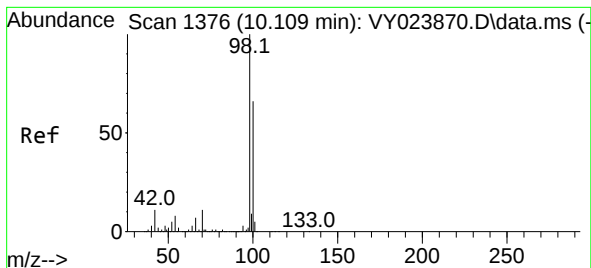
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.2

192 20.9 15.8 23.8

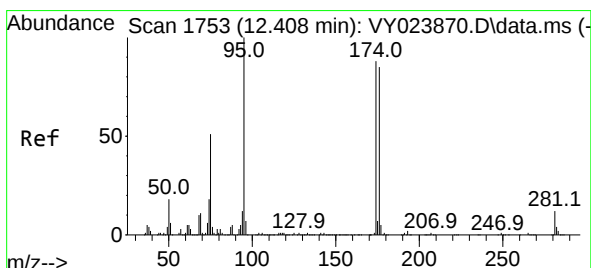
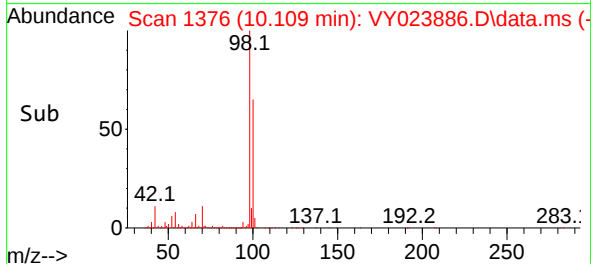
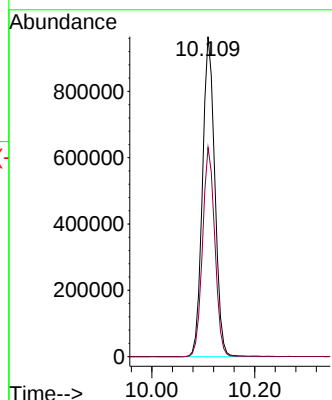
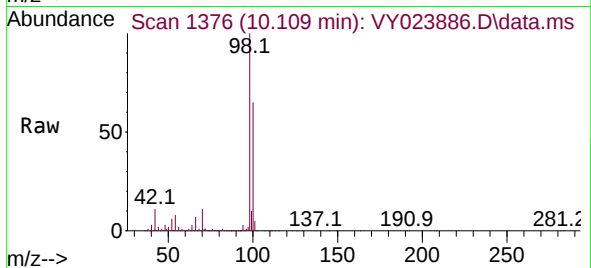




#50
Toluene-d8
Concen: 47.072 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023886.D
Acq: 04 Dec 2025 11:58

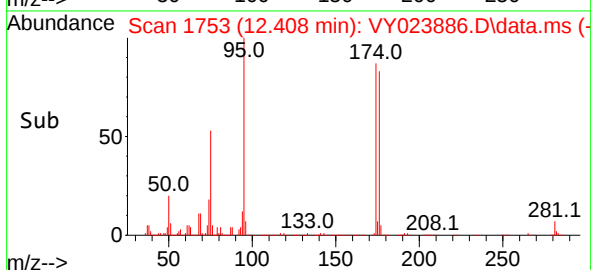
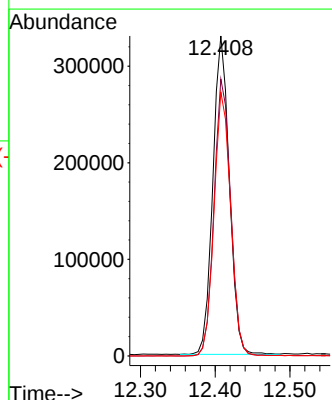
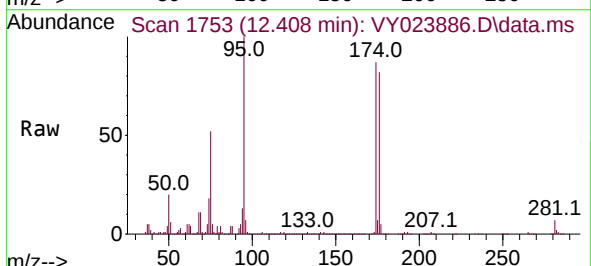
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

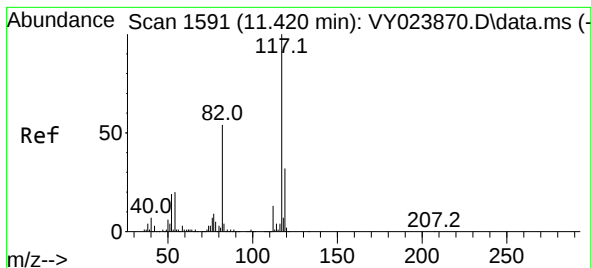
Tgt Ion: 98 Resp: 1604322
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 43.361 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023886.D
Acq: 04 Dec 2025 11:58

Tgt Ion: 95 Resp: 504059
Ion Ratio Lower Upper
95 100
174 87.6 0.0 169.6
176 84.0 0.0 164.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023886.D

Acq: 04 Dec 2025 11:58

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

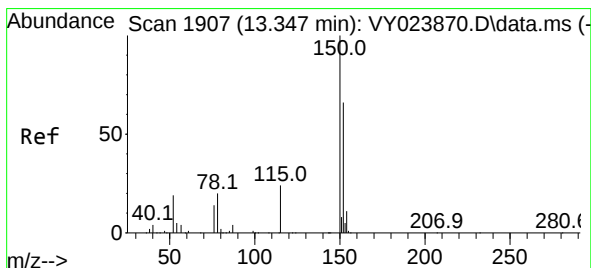
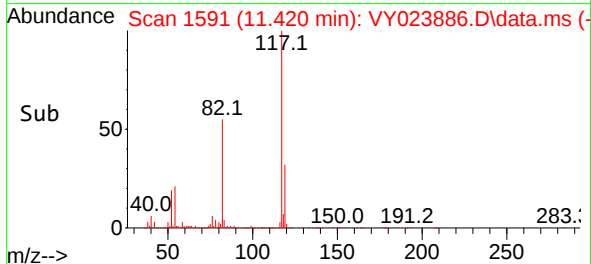
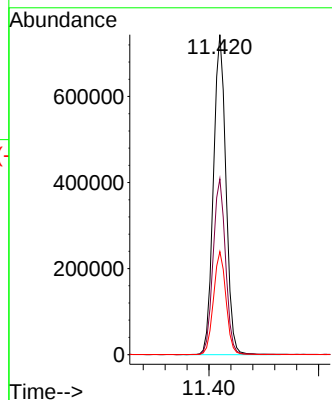
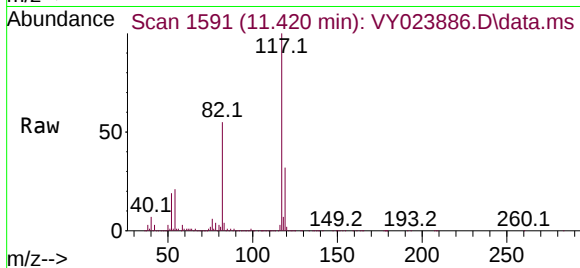
Tgt Ion:117 Resp: 1183749

Ion Ratio Lower Upper

117 100

82 54.9 43.1 64.7

119 32.2 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023886.D

Acq: 04 Dec 2025 11:58

Tgt Ion:152 Resp: 505214

Ion Ratio Lower Upper

152 100

115 56.8 28.8 86.4

150 156.2 0.0 352.2

