

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
 Data File : VY023885.D
 Acq On : 04 Dec 2025 11:25
 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 01:44:33 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	743126	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1344804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1197444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	517390	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	411243	55.320	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.640%
35) Dibromofluoromethane	7.640	113	415847	48.213	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.420%
50) Toluene-d8	10.109	98	1625217	48.421	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.840%
62) 4-Bromofluorobenzene	12.408	95	520947	45.505	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.020%

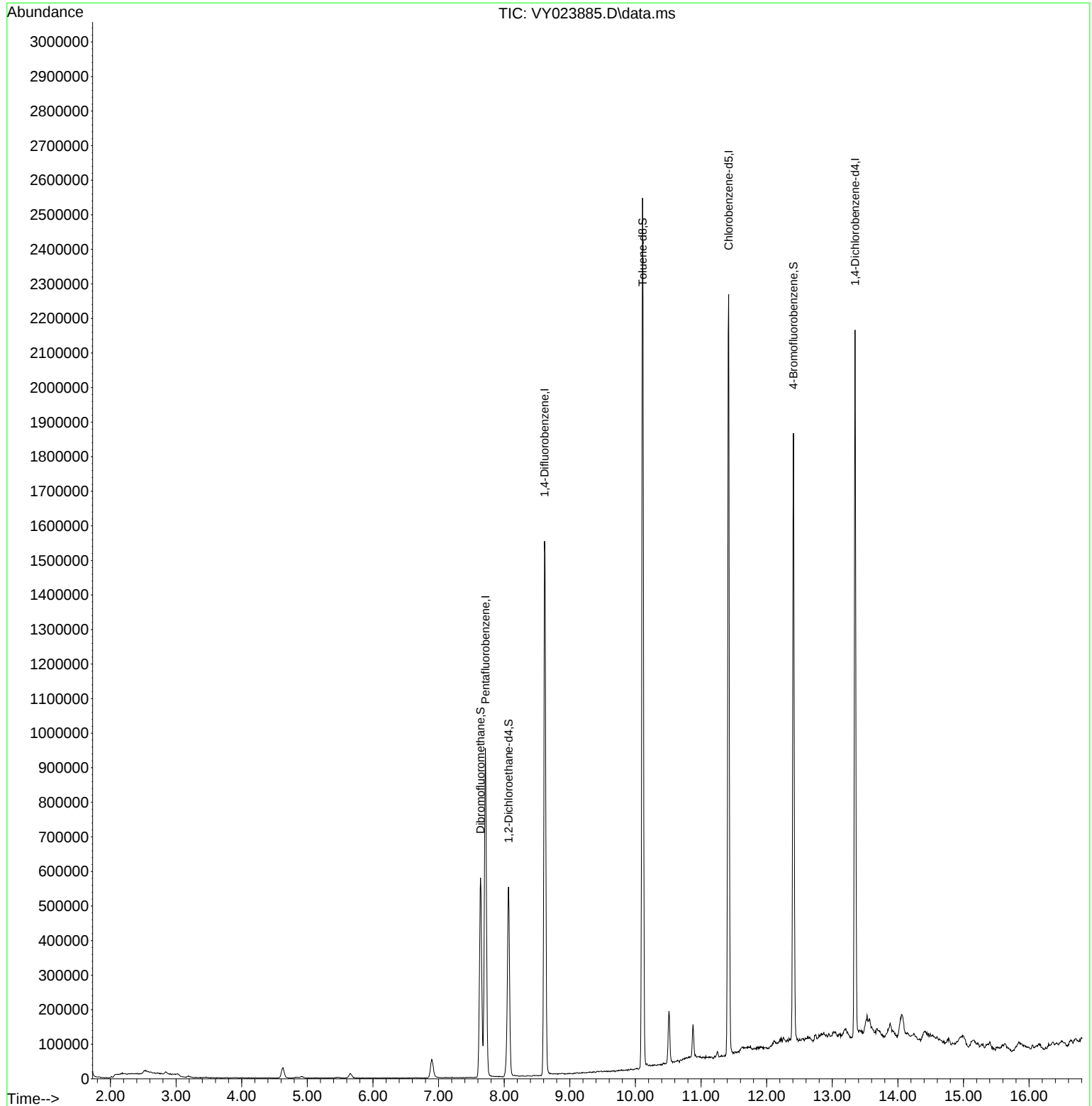
Target Compounds	Qvalue

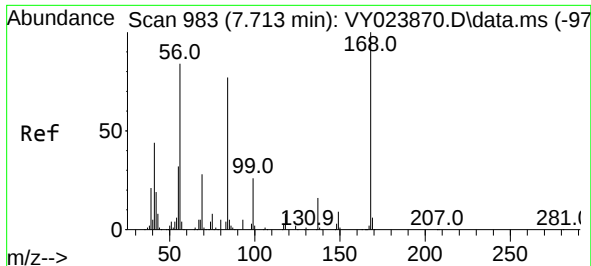
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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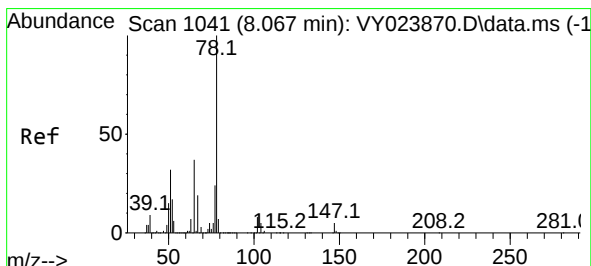
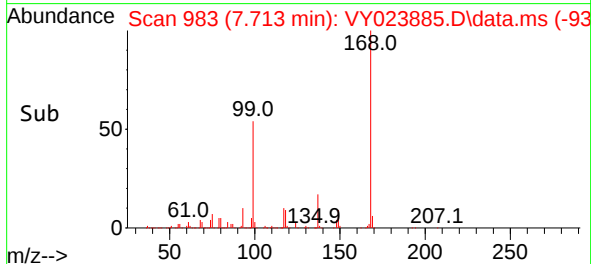
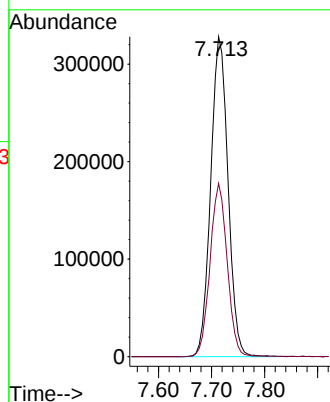
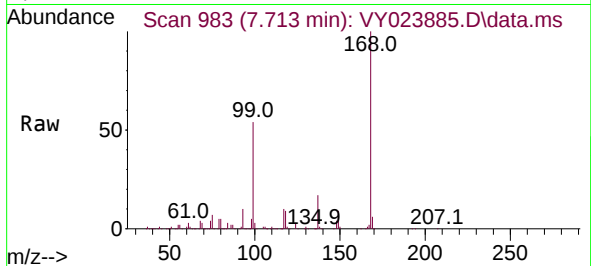




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY023885.D
Acq: 04 Dec 2025 11:25

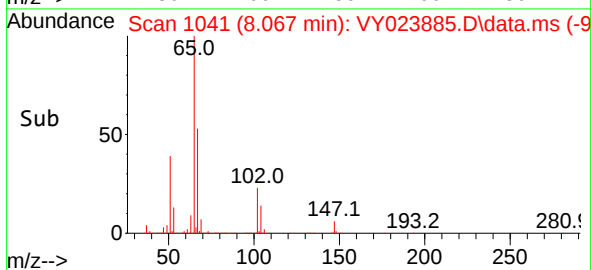
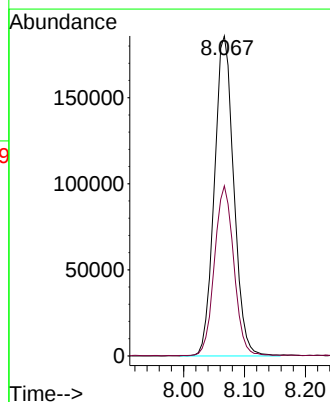
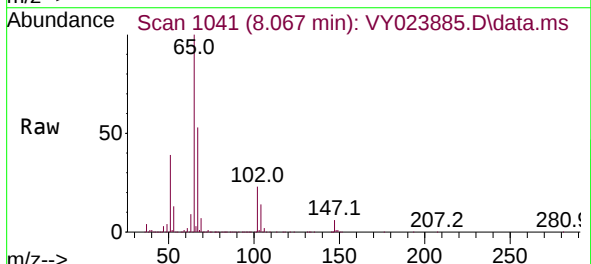
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

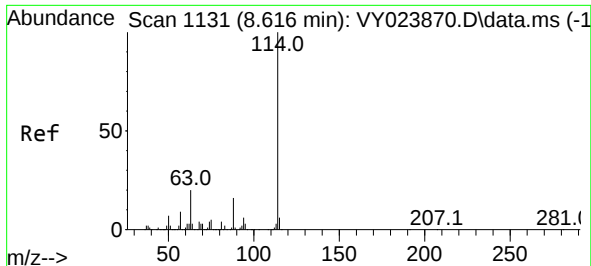
Tgt Ion:168 Resp: 743126
Ion Ratio Lower Upper
168 100
99 54.1 42.5 63.7



#33
1,2-Dichloroethane-d4
Concen: 55.320 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY023885.D
Acq: 04 Dec 2025 11:25

Tgt Ion: 65 Resp: 411243
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023885.D

Acq: 04 Dec 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

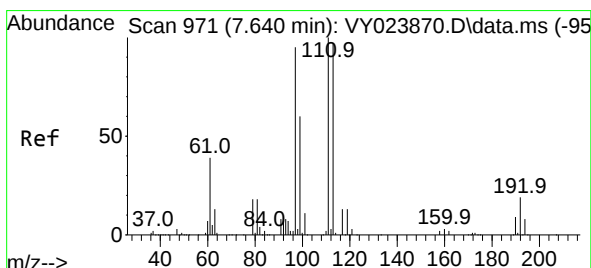
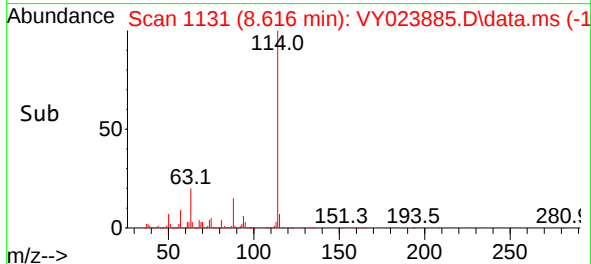
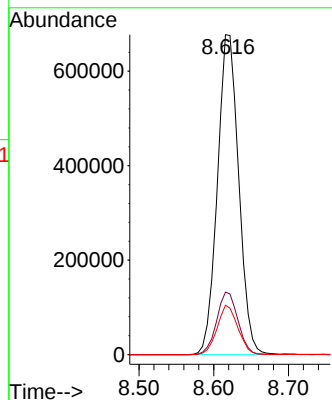
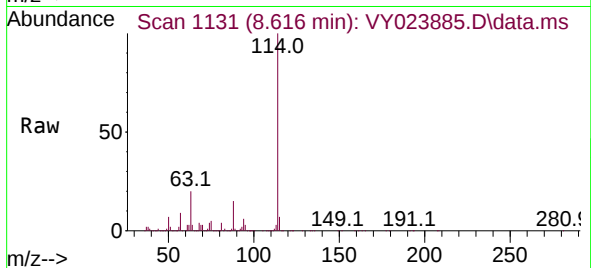
Tgt Ion:114 Resp: 1344804

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.2

88 15.4 0.0 31.4



#35

Dibromofluoromethane

Concen: 48.213 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY023885.D

Acq: 04 Dec 2025 11:25

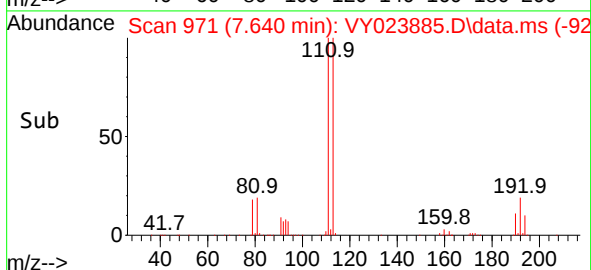
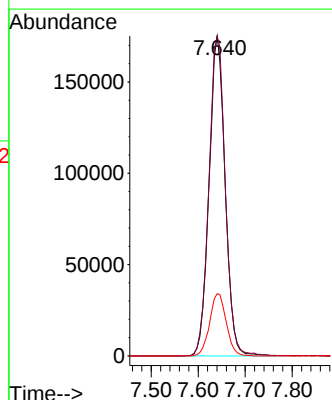
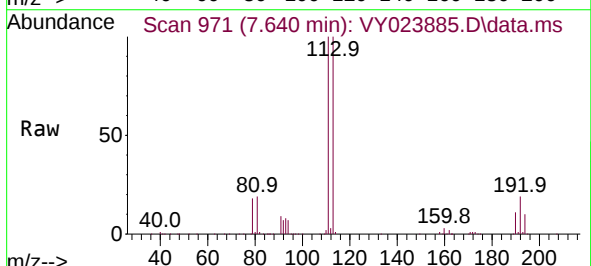
Tgt Ion:113 Resp: 415847

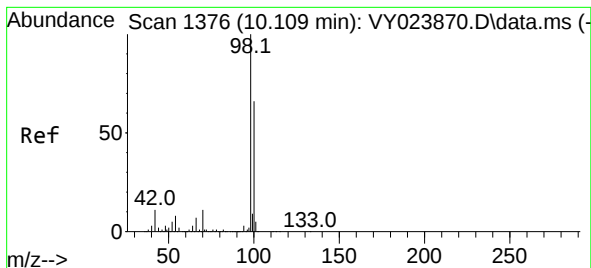
Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.2

192 20.1 15.8 23.8

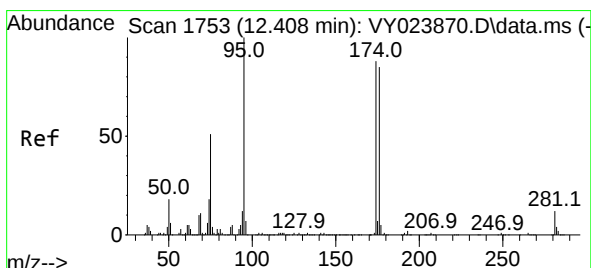
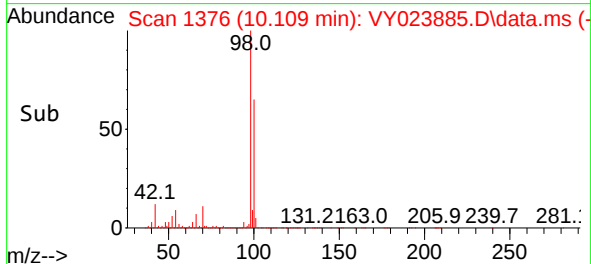
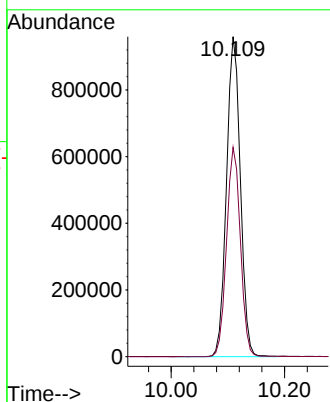
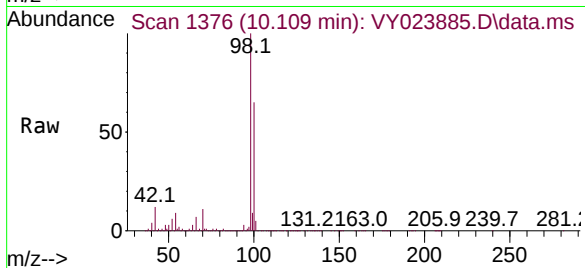




#50
Toluene-d8
Concen: 48.421 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023885.D
Acq: 04 Dec 2025 11:25

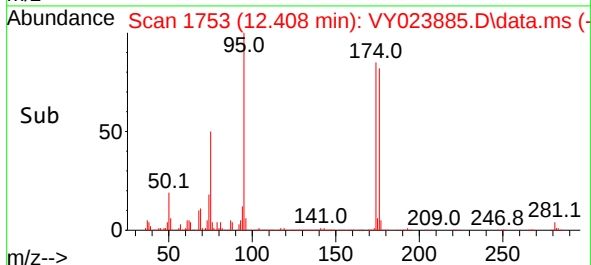
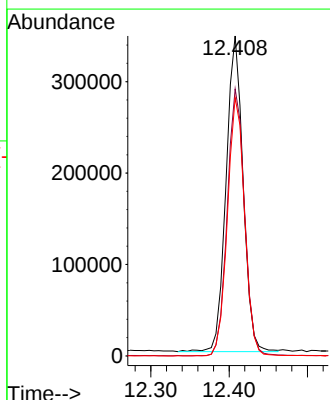
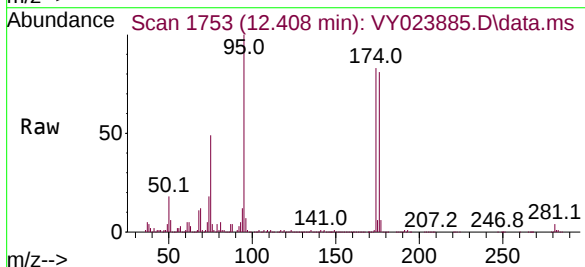
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

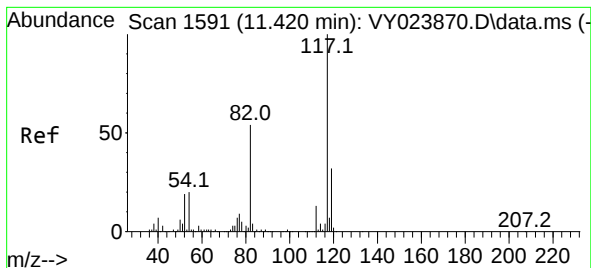
Tgt Ion: 98 Resp: 1625217
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 45.505 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023885.D
Acq: 04 Dec 2025 11:25

Tgt Ion: 95 Resp: 520947
Ion Ratio Lower Upper
95 100
174 86.1 0.0 169.6
176 82.7 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: VY023885.D

Acq: 04 Dec 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

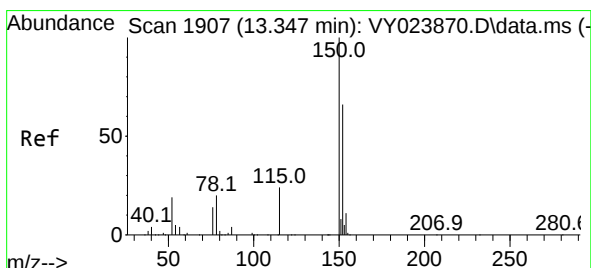
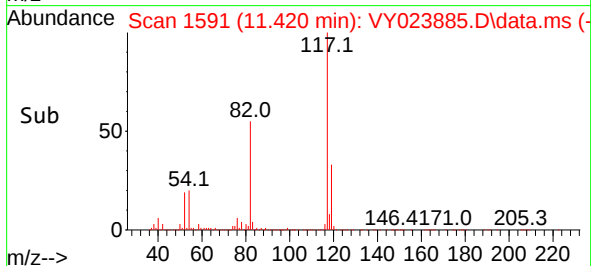
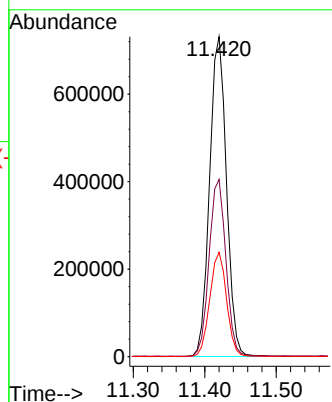
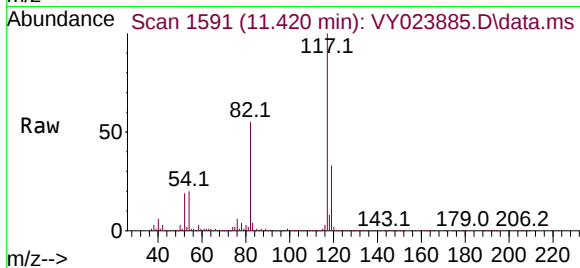
Tgt Ion:117 Resp: 1197444

Ion Ratio Lower Upper

117 100

82 55.3 43.1 64.7

119 32.5 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: VY023885.D

Acq: 04 Dec 2025 11:25

Tgt Ion:152 Resp: 517390

Ion Ratio Lower Upper

152 100

115 56.5 28.8 86.4

150 158.7 0.0 352.2

