

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023919.D
 Acq On : 09 Dec 2025 19:24
 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 10 02:34:18 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	7.719	168	813233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1378940	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1193156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	527039	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	394736	48.522	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.040%
35) Dibromofluoromethane	7.646	113	429463	48.559	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.120%
50) Toluene-d8	10.115	98	1561062	45.359	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.720%
62) 4-Bromofluorobenzene	12.408	95	477001	40.635	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.280%

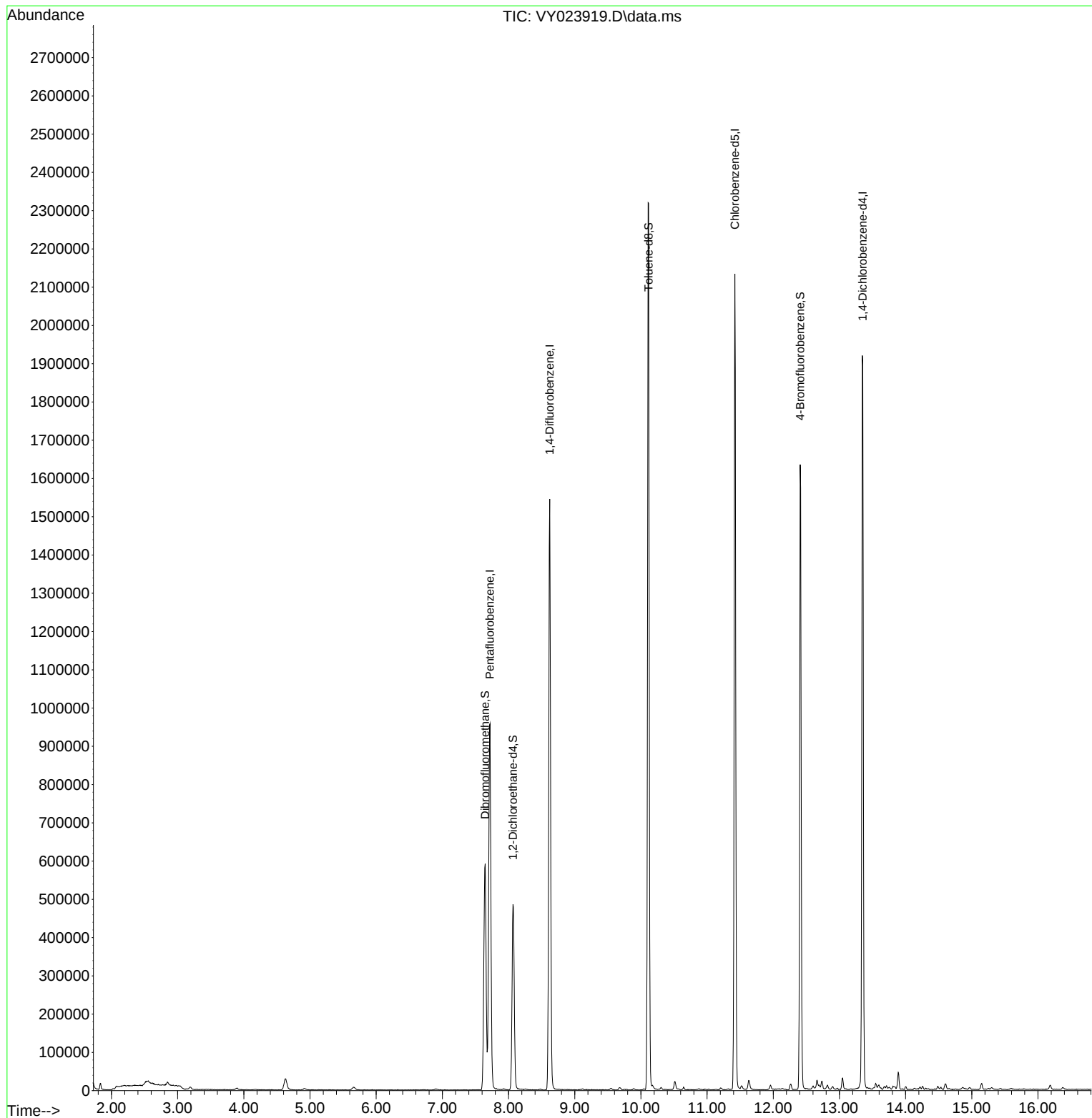
Target Compounds	Qvalue

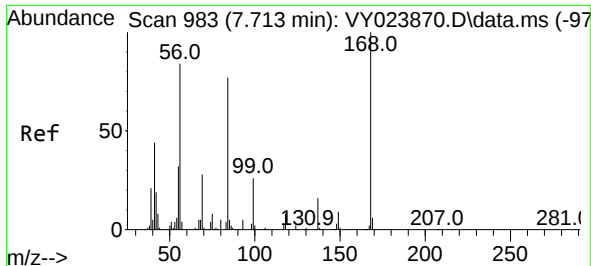
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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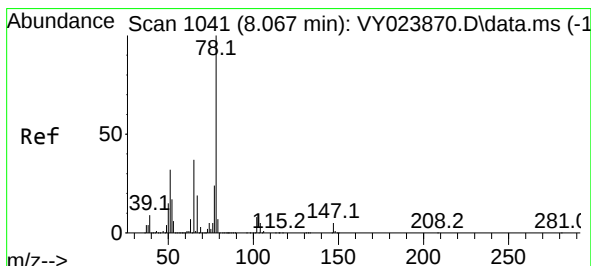
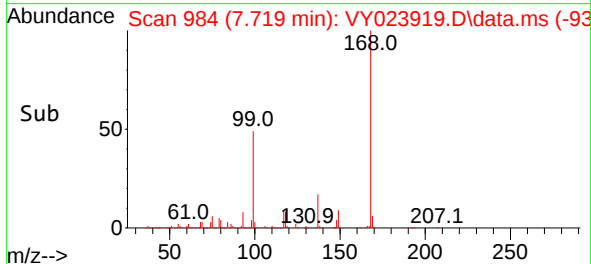
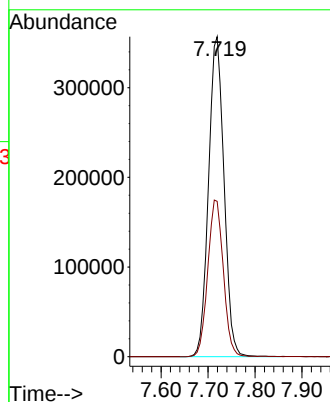
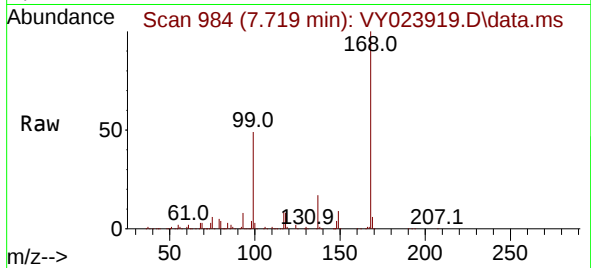




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023919.D
Acq: 09 Dec 2025 19:24

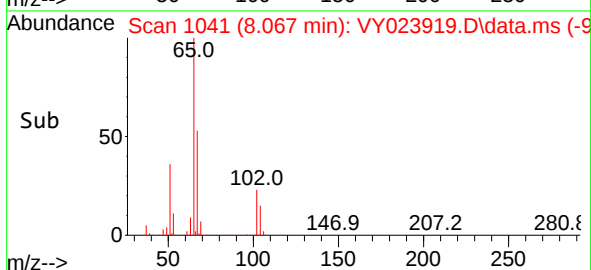
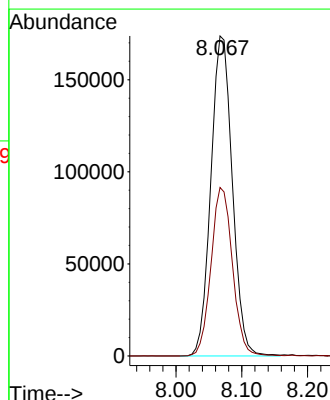
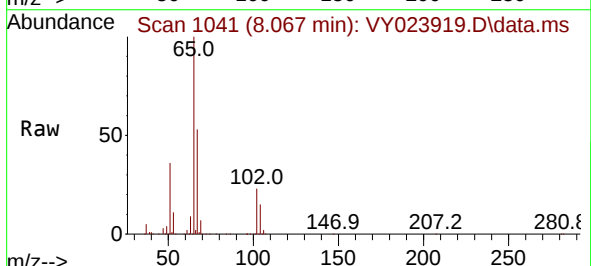
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

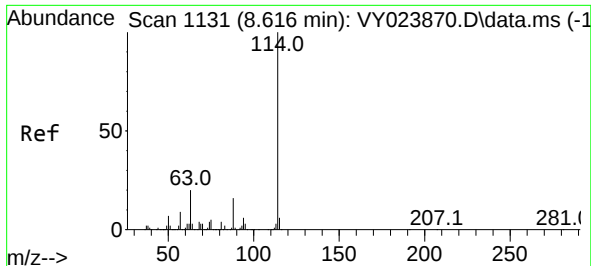
Tgt Ion:168 Resp: 813233
Ion Ratio Lower Upper
168 100
99 48.5 42.5 63.7



#33
1,2-Dichloroethane-d4
Concen: 48.522 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY023919.D
Acq: 09 Dec 2025 19:24

Tgt Ion: 65 Resp: 394736
Ion Ratio Lower Upper
65 100
67 52.6 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: VY023919.D

Acq: 09 Dec 2025 19:24

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

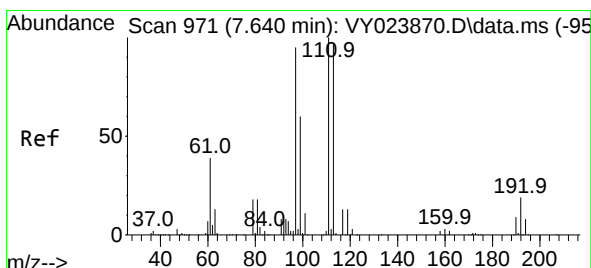
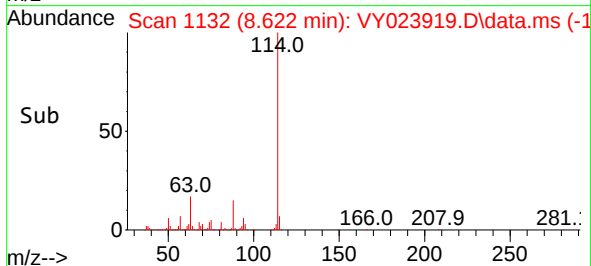
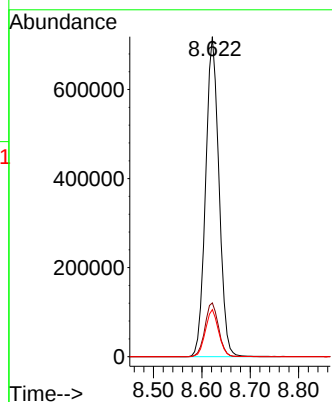
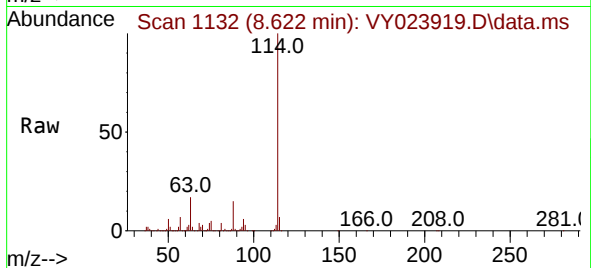
Tgt Ion:114 Resp: 1378940

Ion Ratio Lower Upper

114 100

63 16.8 0.0 39.2

88 14.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 48.559 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.006 min

Lab File: VY023919.D

Acq: 09 Dec 2025 19:24

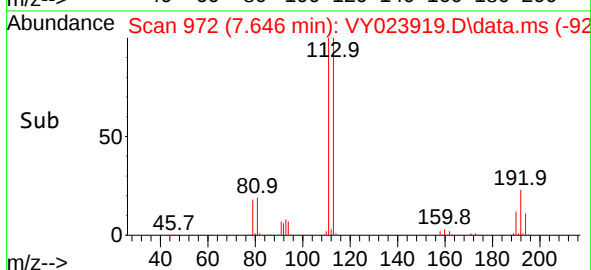
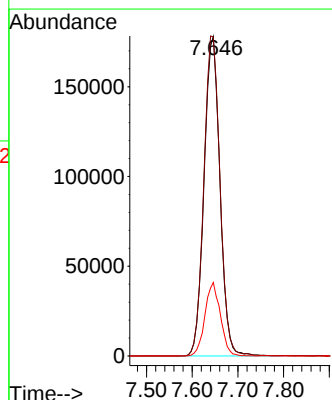
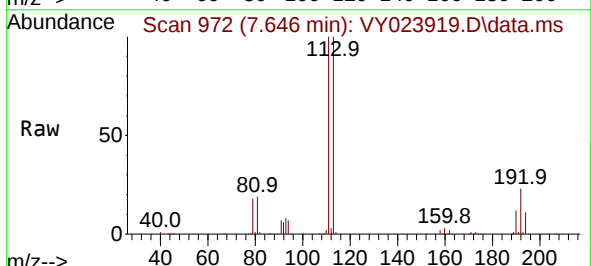
Tgt Ion:113 Resp: 429463

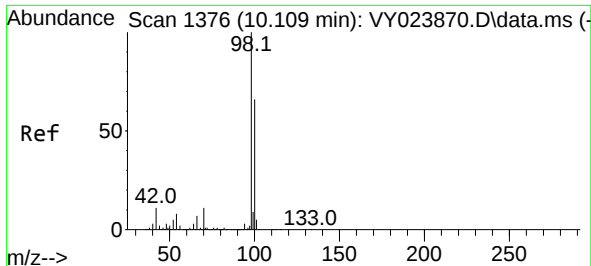
Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.2

192 22.4 15.8 23.8

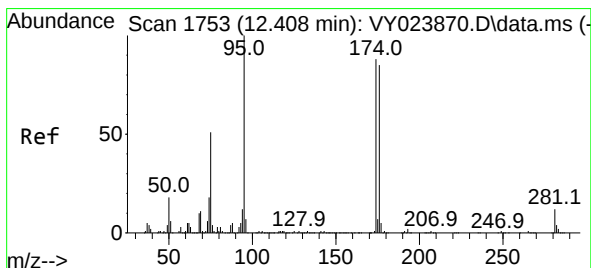
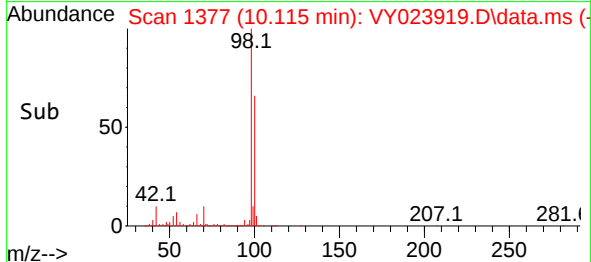
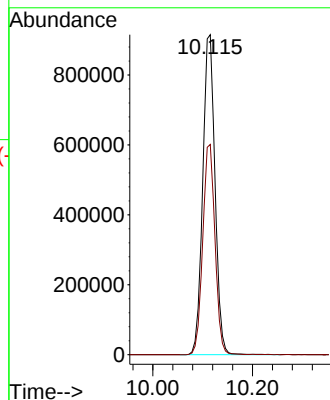
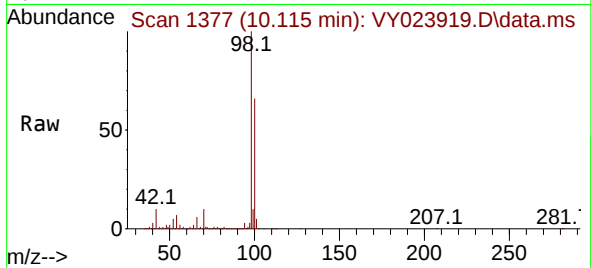




#50
Toluene-d8
Concen: 45.359 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY023919.D
Acq: 09 Dec 2025 19:24

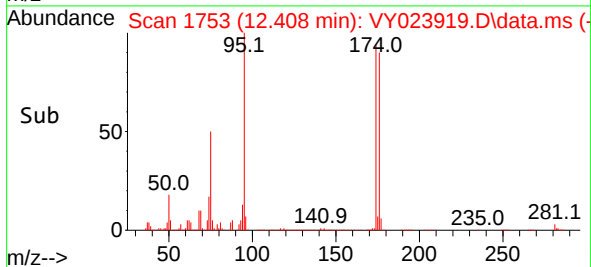
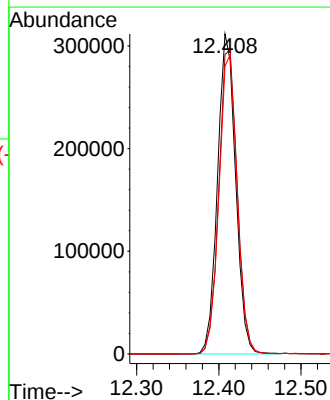
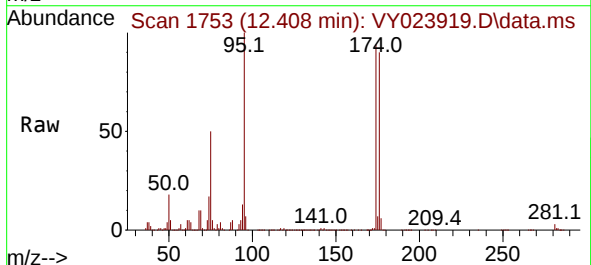
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

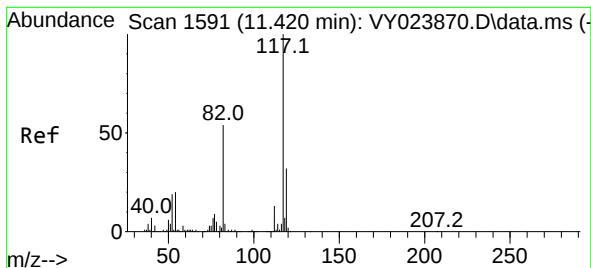
Tgt Ion: 98 Resp: 1561062
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 40.635 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023919.D
Acq: 09 Dec 2025 19:24

Tgt Ion: 95 Resp: 477001
Ion Ratio Lower Upper
95 100
174 97.1 0.0 169.6
176 94.0 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: VY023919.D

Acq: 09 Dec 2025 19:24

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

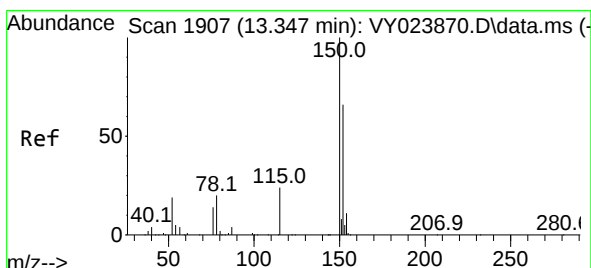
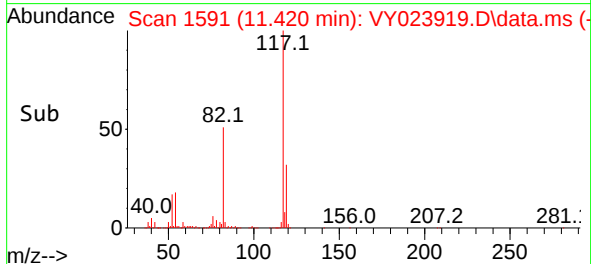
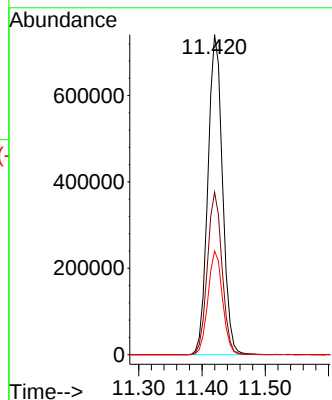
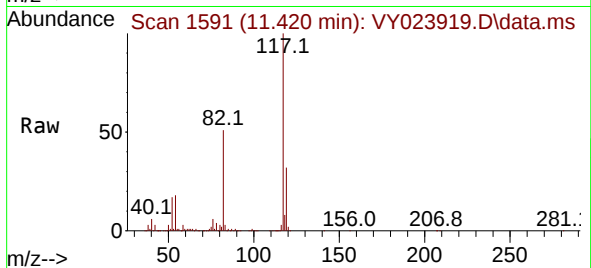
Tgt Ion:117 Resp: 1193156

Ion Ratio Lower Upper

117 100

82 50.7 43.1 64.7

119 32.4 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY023919.D

Acq: 09 Dec 2025 19:24

Tgt Ion:152 Resp: 527039

Ion Ratio Lower Upper

152 100

115 55.4 28.8 86.4

150 157.2 0.0 352.2

