

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090925\
 Data File : VY023319.D
 Acq On : 09 Sep 2025 12:31
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Sep 10 01:53:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	609974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1149893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1040911	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	430102	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	298964	55.778	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.560%
35) Dibromofluoromethane	7.634	113	365400	51.985	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.980%
50) Toluene-d8	10.109	98	1357560	51.149	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.300%
62) 4-Bromofluorobenzene	12.407	95	401336	48.050	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.100%

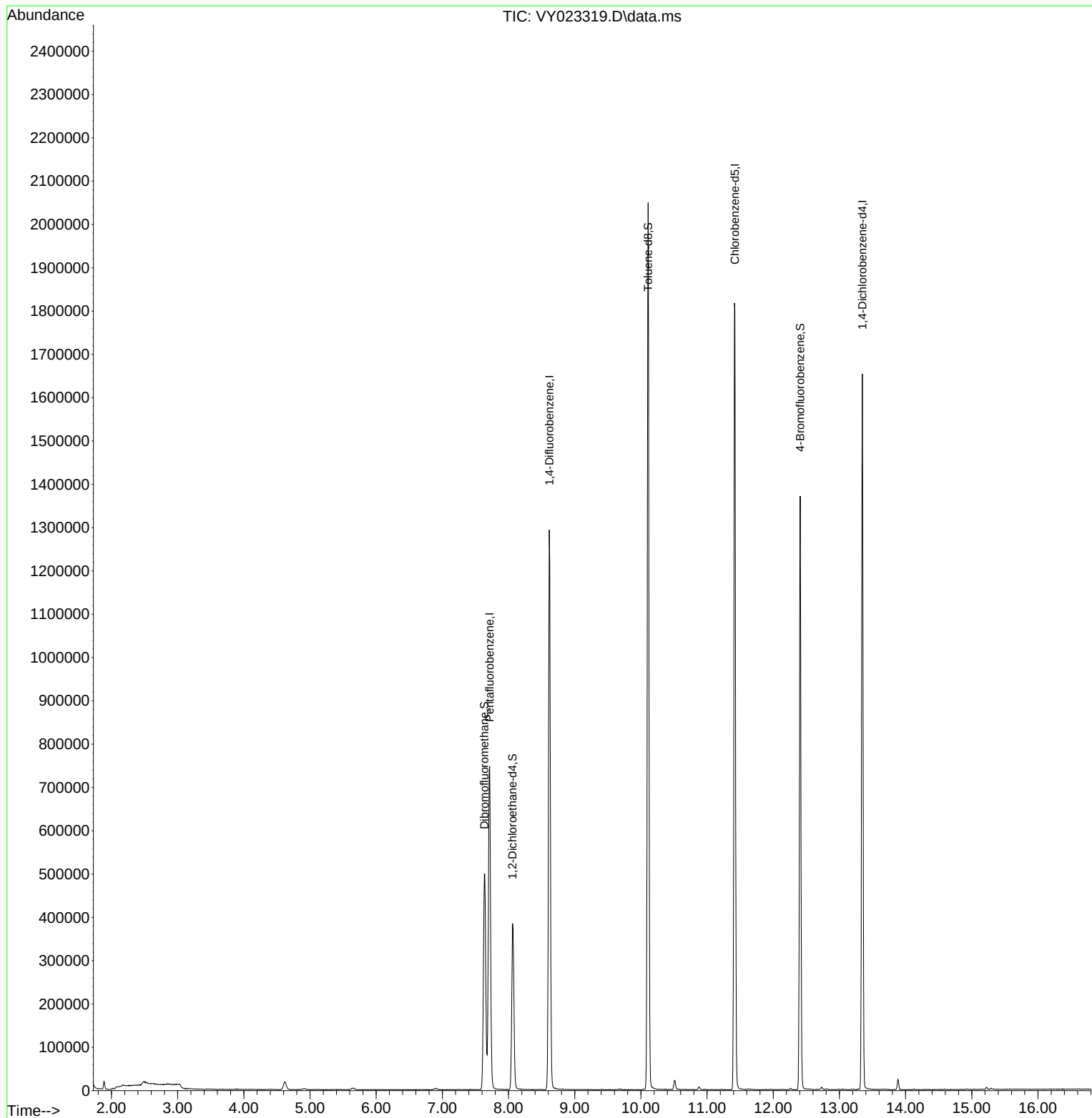
Target Compounds	Qvalue

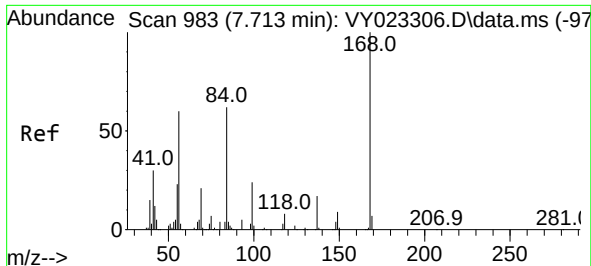
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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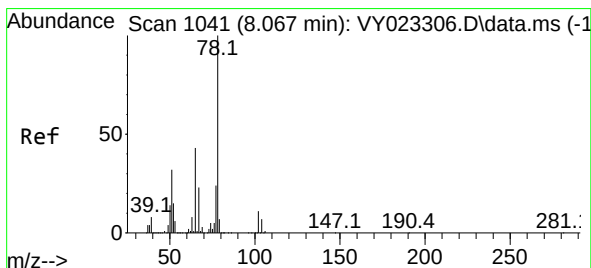
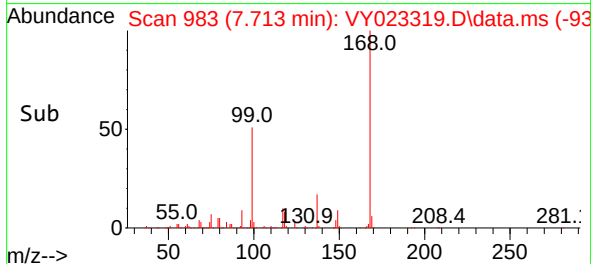
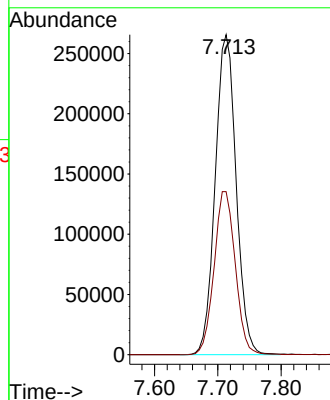
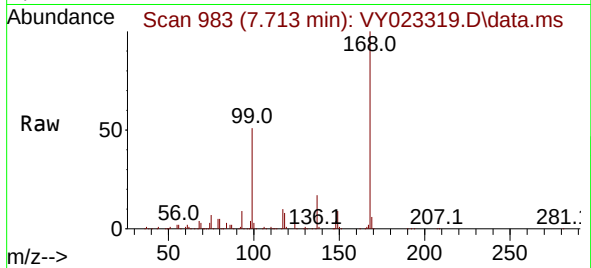




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023319.D
Acq: 09 Sep 2025 12:31

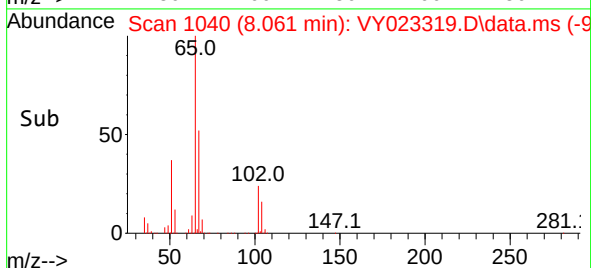
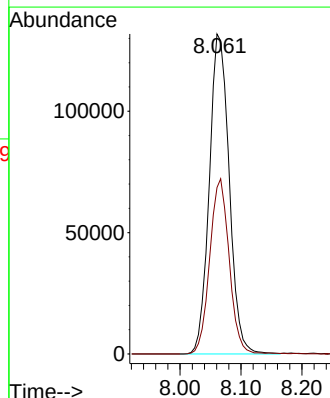
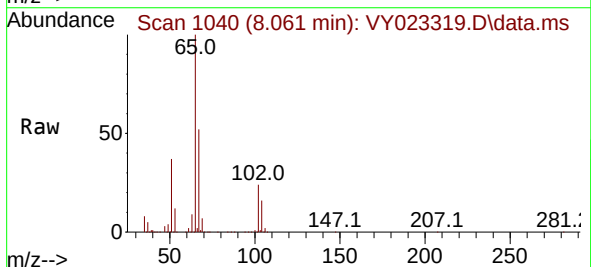
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

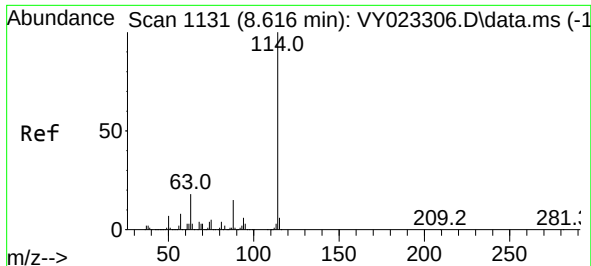
Tgt Ion:168 Resp: 609974
Ion Ratio Lower Upper
168 100
99 50.9 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 55.778 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023319.D
Acq: 09 Sep 2025 12:31

Tgt Ion: 65 Resp: 298964
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.8

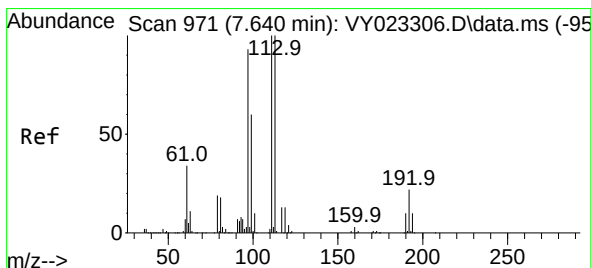
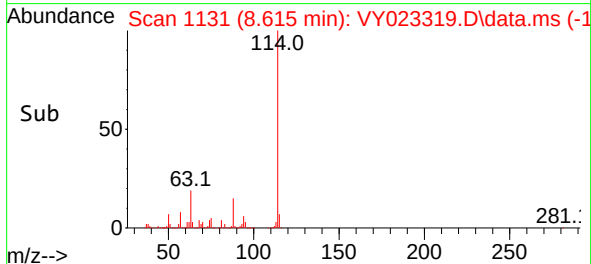
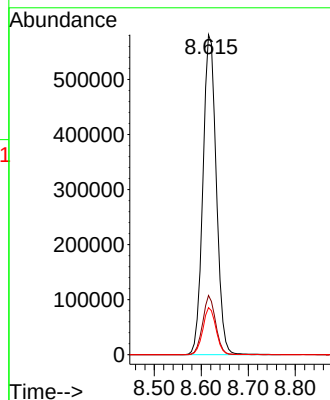
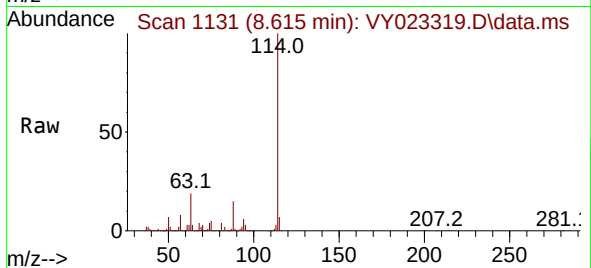




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023319.D
Acq: 09 Sep 2025 12:31

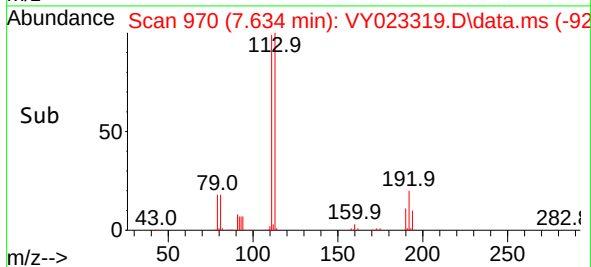
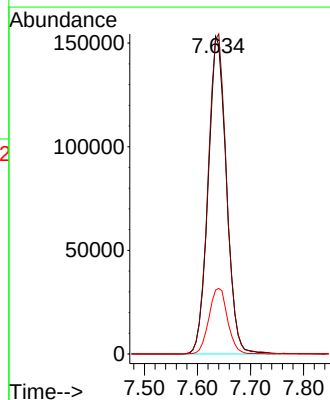
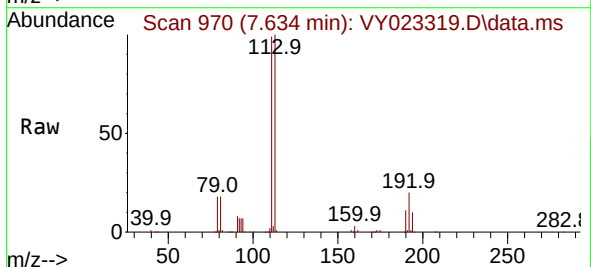
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

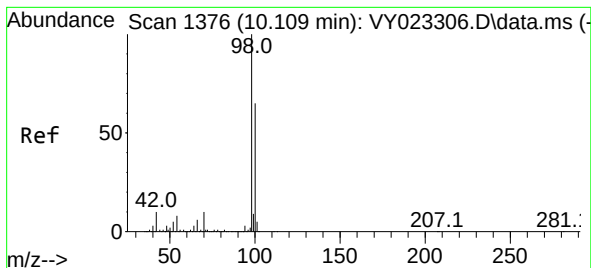
Tgt Ion:114 Resp: 1149893
Ion Ratio Lower Upper
114 100
63 18.5 0.0 38.4
88 14.7 0.0 30.0



#35
Dibromofluoromethane
Concen: 51.985 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023319.D
Acq: 09 Sep 2025 12:31

Tgt Ion:113 Resp: 365400
Ion Ratio Lower Upper
113 100
111 102.2 81.1 121.7
192 21.1 16.2 24.4





#50

Toluene-d8

Concen: 51.149 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023319.D

Acq: 09 Sep 2025 12:31

Instrument :

MSVOA_Y

ClientSampleId :

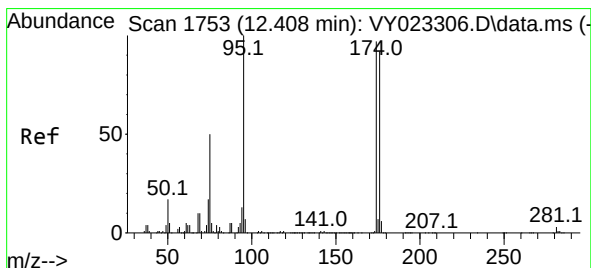
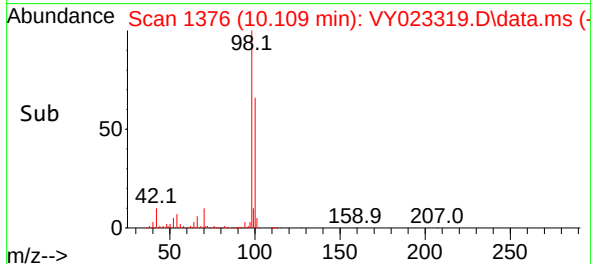
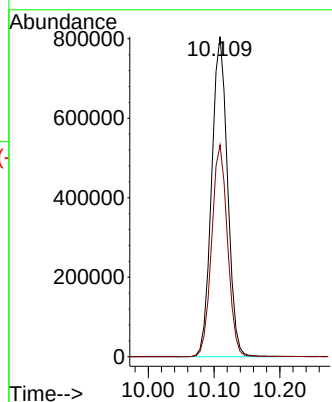
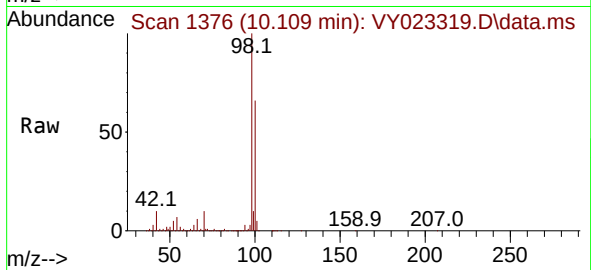
VIBLK

Tgt Ion: 98 Resp: 1357560

Ion Ratio Lower Upper

98 100

100 65.9 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 48.050 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023319.D

Acq: 09 Sep 2025 12:31

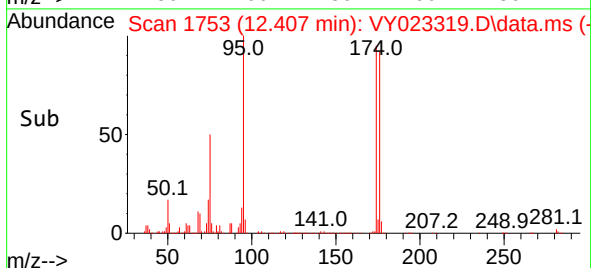
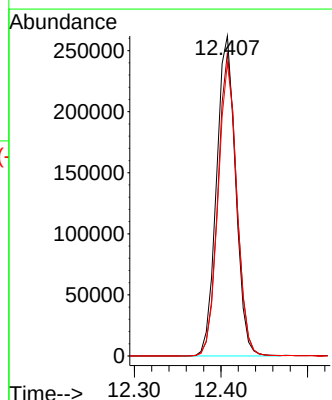
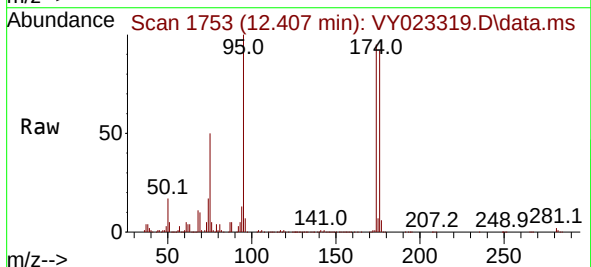
Tgt Ion: 95 Resp: 401336

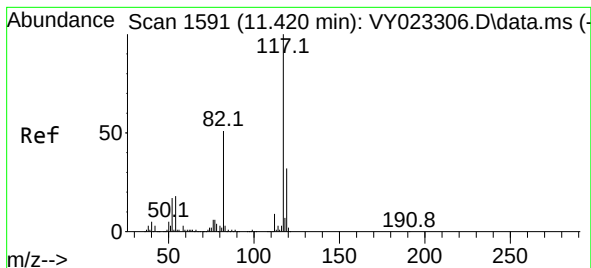
Ion Ratio Lower Upper

95 100

174 92.9 0.0 171.6

176 90.2 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023319.D

Acq: 09 Sep 2025 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

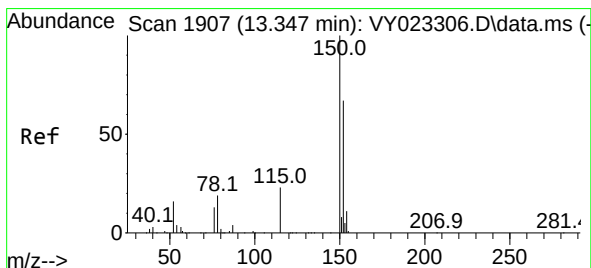
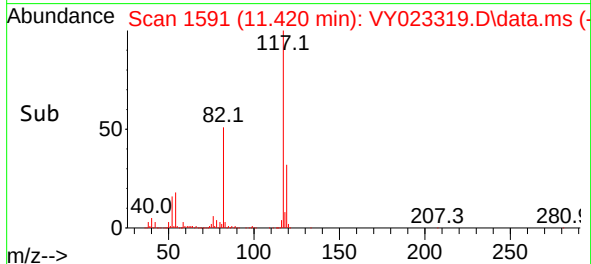
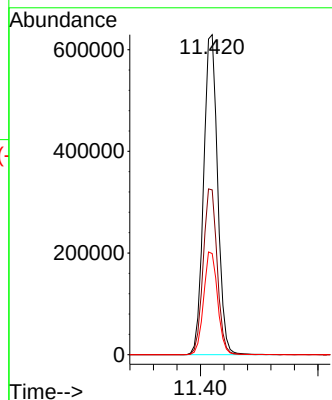
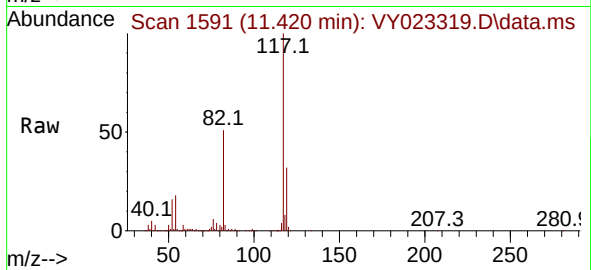
Tgt Ion:117 Resp: 1040911

Ion Ratio Lower Upper

117 100

82 51.5 43.4 65.0

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. 0.006 min

Lab File: VY023319.D

Acq: 09 Sep 2025 12:31

Tgt Ion:152 Resp: 430102

Ion Ratio Lower Upper

152 100

115 54.9 28.2 84.6

150 156.5 0.0 348.0

