

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
 Data File : VY022746.D
 Acq On : 19 Jun 2025 11:28
 Operator : SY/MD
 Sample : Q2358-01
 Misc : 4.70g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-07-06182025

Quant Time: Jun 20 04:07:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	3655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	6570	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	4428	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	1012	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	2299	56.239	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.480%
35) Dibromofluoromethane	7.622	113	1125	28.688	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	57.380%
50) Toluene-d8	10.103	98	7303	46.089	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.180%
62) 4-Bromofluorobenzene	12.414	95	1426	30.205	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	60.400%

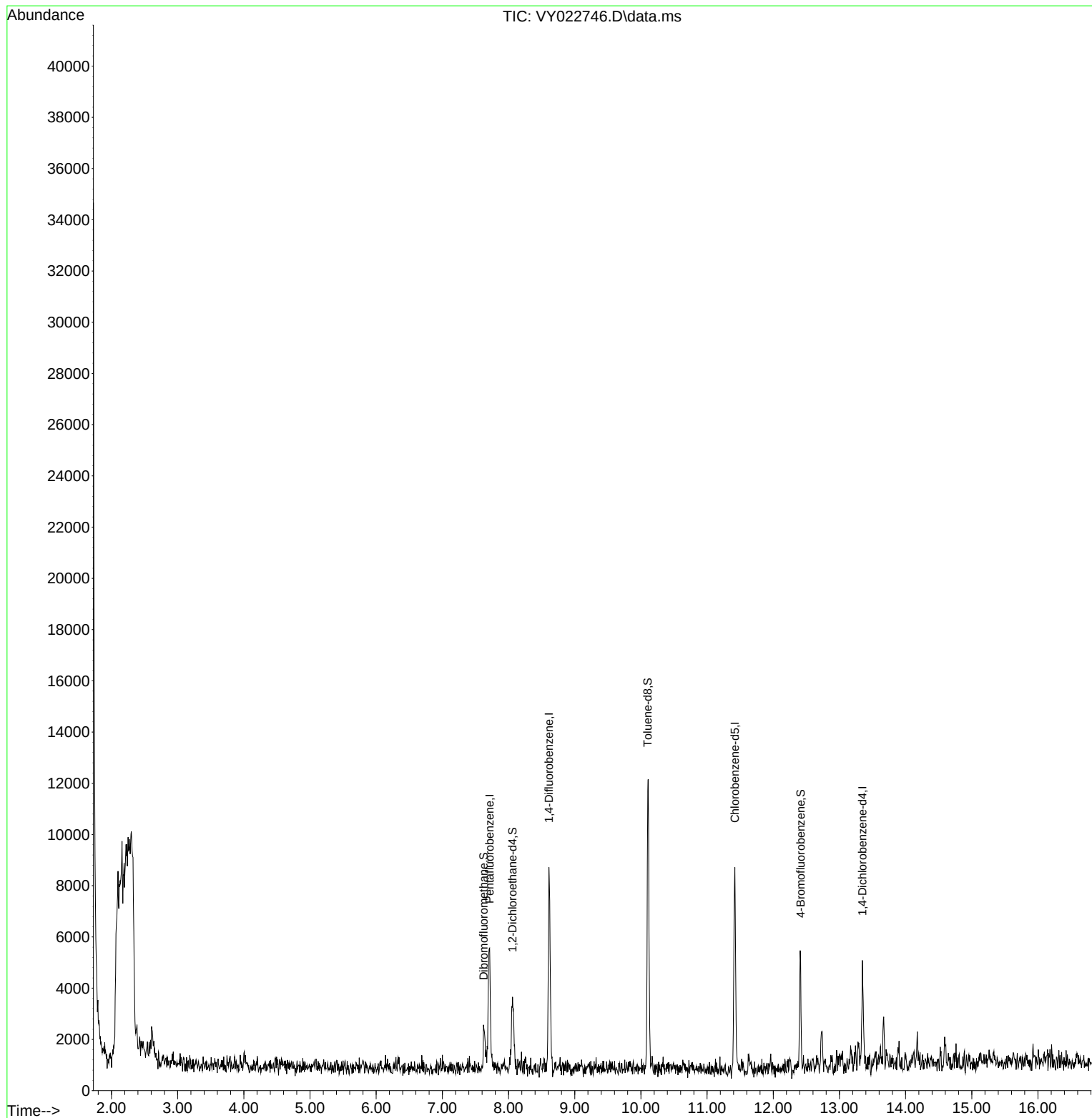
Target Compounds	Qvalue

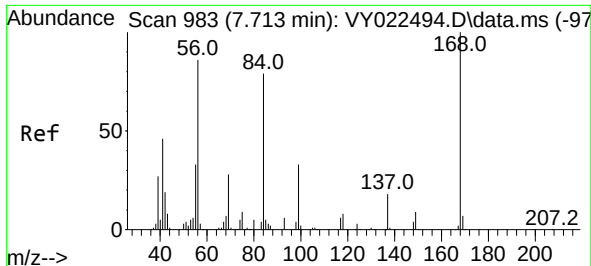
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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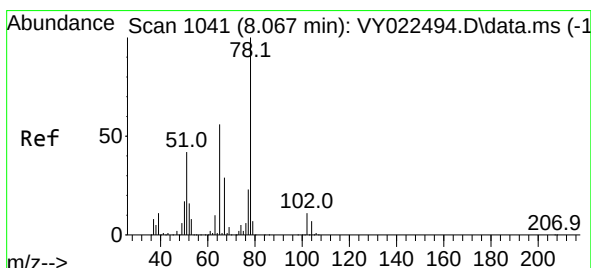
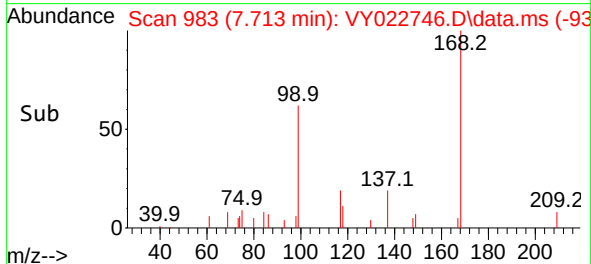
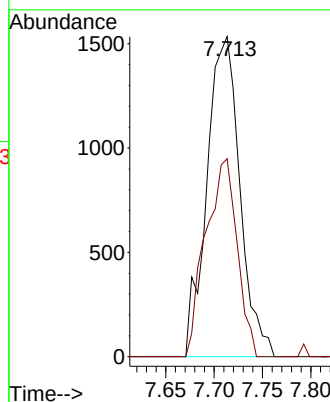
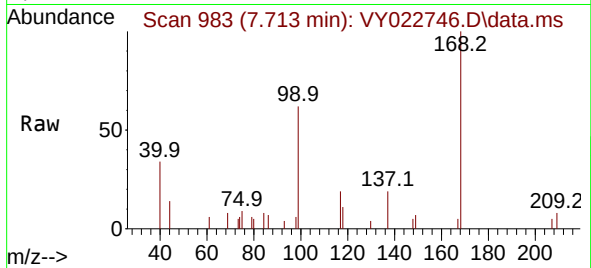




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022746.D
Acq: 19 Jun 2025 11:28

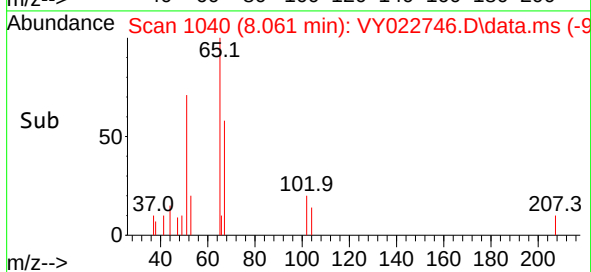
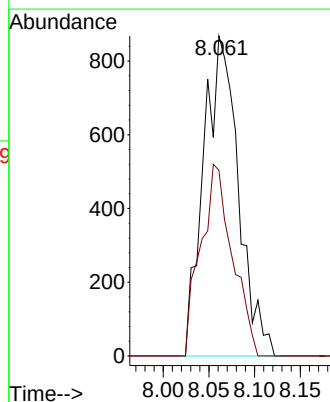
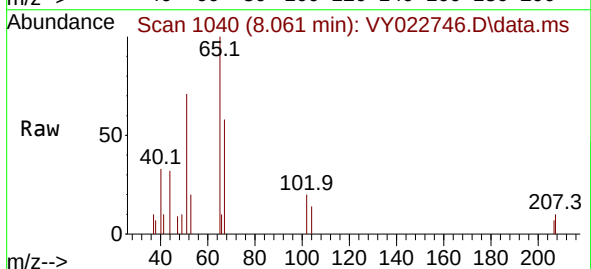
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-06182025

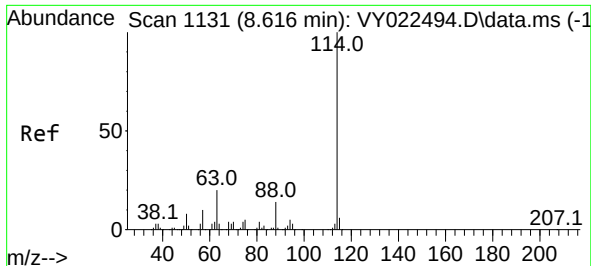
Tgt Ion:168 Resp: 3655
Ion Ratio Lower Upper
168 100
99 61.9 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 56.239 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022746.D
Acq: 19 Jun 2025 11:28

Tgt Ion: 65 Resp: 2299
Ion Ratio Lower Upper
65 100
67 54.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022746.D

Acq: 19 Jun 2025 11:28

Instrument :

MSVOA_Y

ClientSampleId :

NB-07-06182025

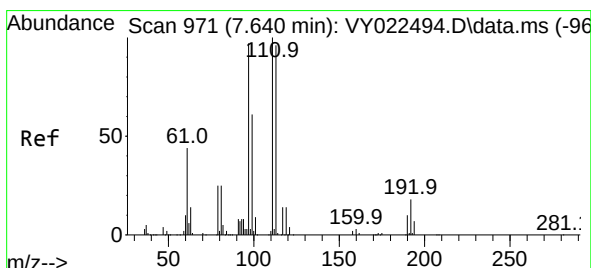
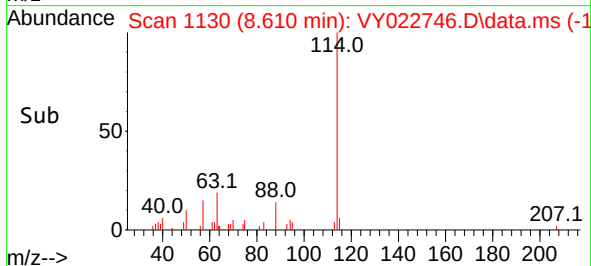
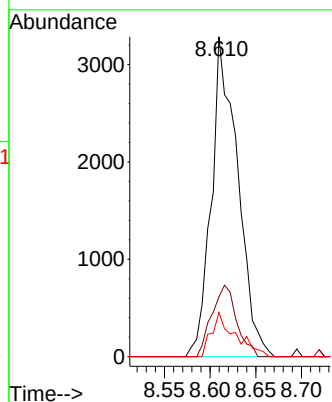
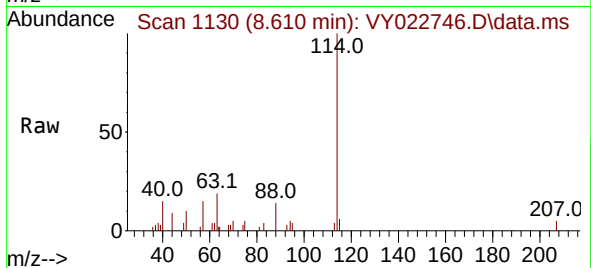
Tgt Ion:114 Resp: 6570

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.8

88 13.8 0.0 27.8



#35

Dibromofluoromethane

Concen: 28.688 ug/l

RT: 7.622 min Scan# 968

Delta R.T. -0.018 min

Lab File: VY022746.D

Acq: 19 Jun 2025 11:28

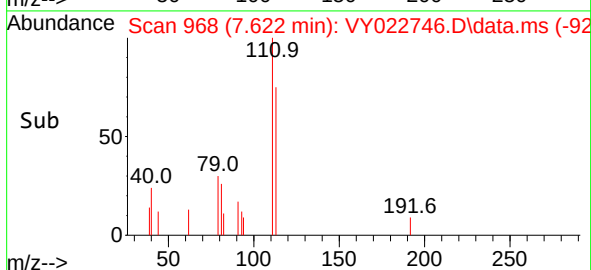
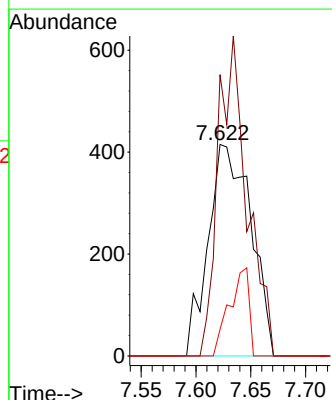
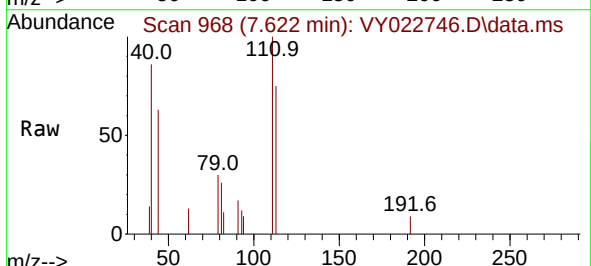
Tgt Ion:113 Resp: 1125

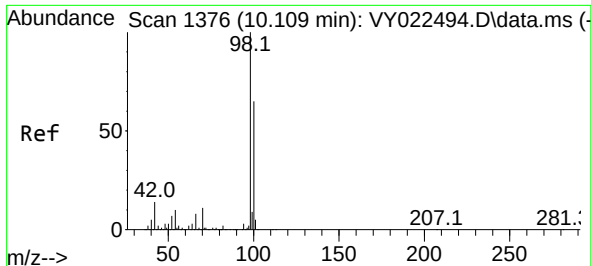
Ion Ratio Lower Upper

113 100

111 102.6 81.1 121.7

192 0.0 14.2 21.2#

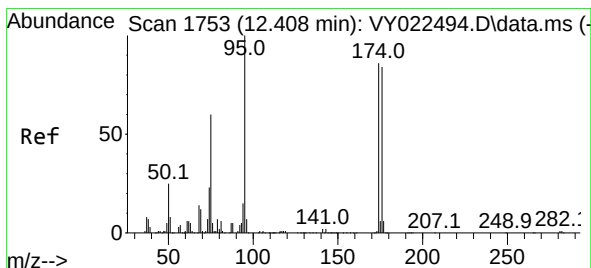
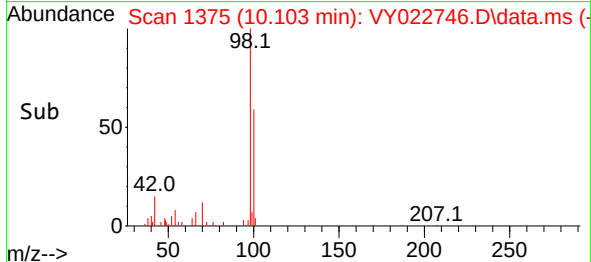
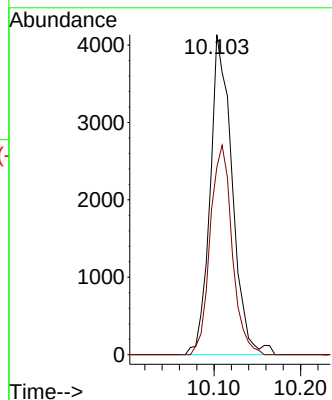
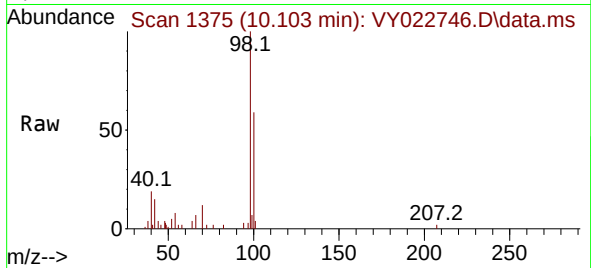




#50
Toluene-d8
Concen: 46.089 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022746.D
Acq: 19 Jun 2025 11:28

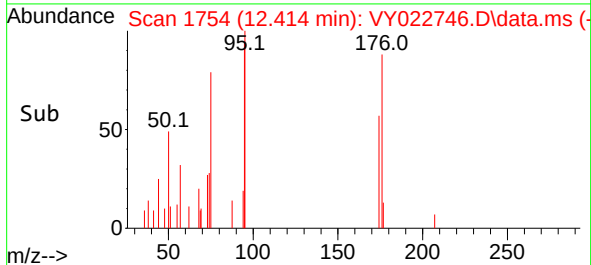
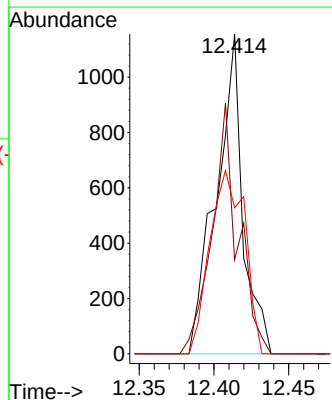
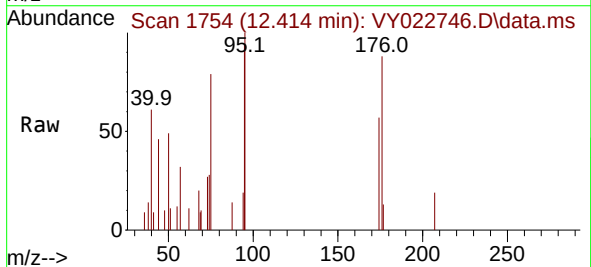
Instrument :
MSVOA_Y
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NB-07-06182025

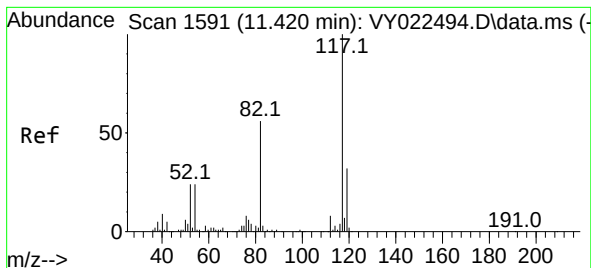
Tgt Ion: 98 Resp: 7303
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 30.205 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022746.D
Acq: 19 Jun 2025 11:28

Tgt Ion: 95 Resp: 1426
Ion Ratio Lower Upper
95 100
174 76.4 0.0 170.0
176 75.5 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022746.D

Acq: 19 Jun 2025 11:28

Instrument :

MSVOA_Y

ClientSampleId :

NB-07-06182025

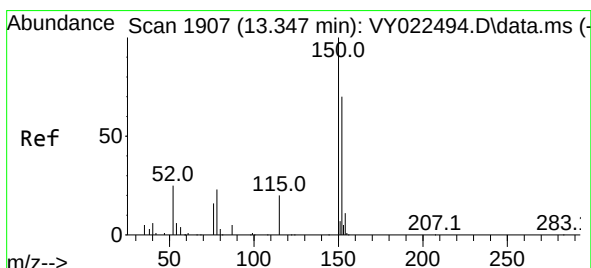
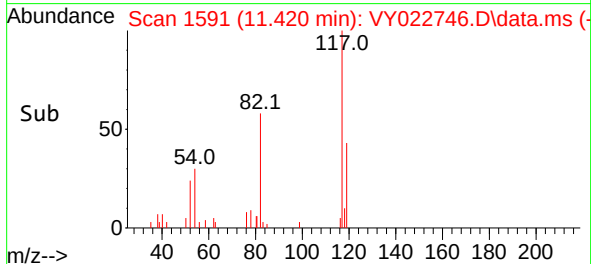
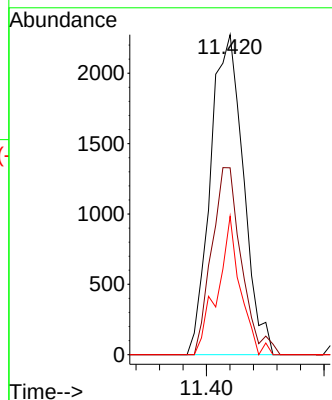
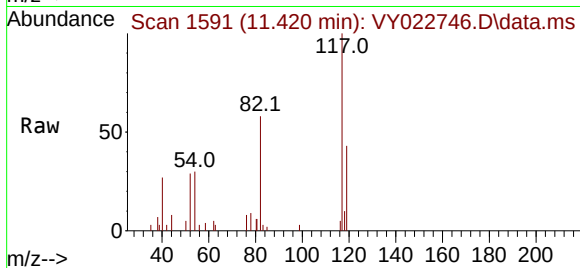
Tgt Ion:117 Resp: 4428

Ion Ratio Lower Upper

117 100

82 58.4 44.6 66.8

119 43.3 25.4 38.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022746.D

Acq: 19 Jun 2025 11:28

Tgt Ion:152 Resp: 1012

Ion Ratio Lower Upper

152 100

115 63.4 28.9 86.7

150 117.5 0.0 349.6

