

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
 Data File : VY021770.D
 Acq On : 03 Apr 2025 13:56
 Operator : SY/MD
 Sample : Q1698-09
 Misc : 6.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-10

Quant Time: Apr 04 01:31:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	264094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	502539	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	458507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	179643	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147838	51.667	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.340%
35) Dibromofluoromethane	7.640	113	165001	50.616	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.240%
50) Toluene-d8	10.109	98	625514	50.438	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.880%
62) 4-Bromofluorobenzene	12.408	95	194072	46.265	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.520%

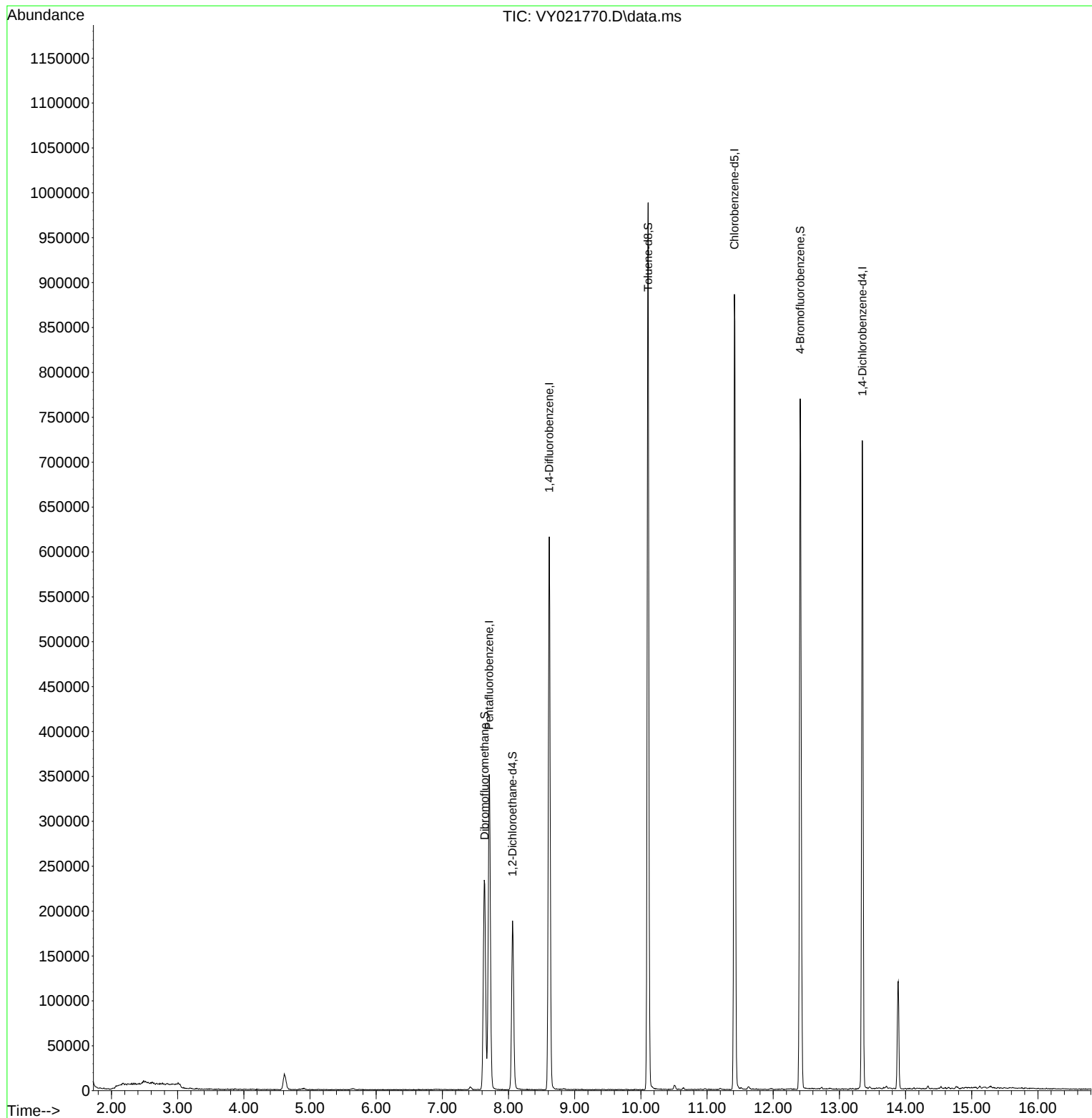
Target Compounds	Qvalue

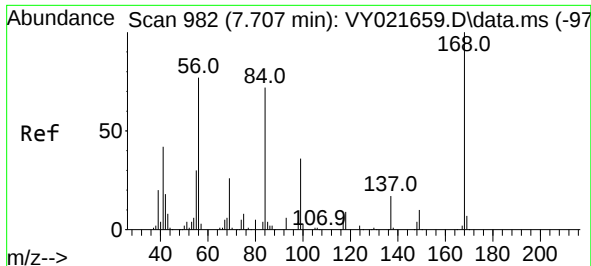
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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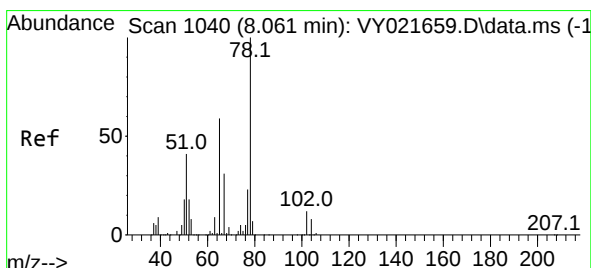
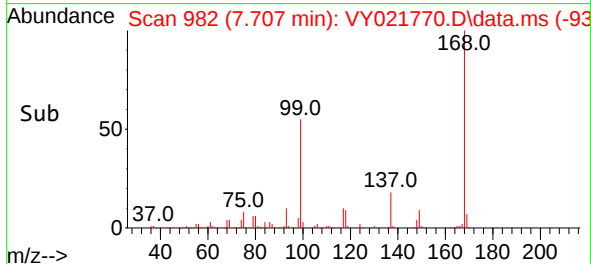
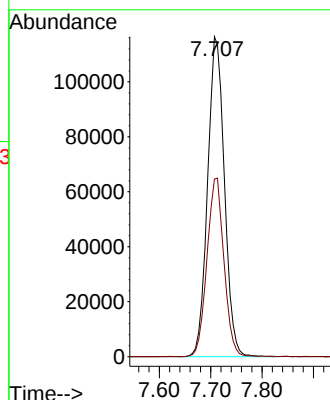
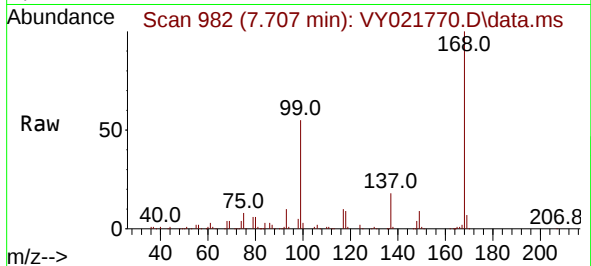




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021770.D
Acq: 03 Apr 2025 13:56

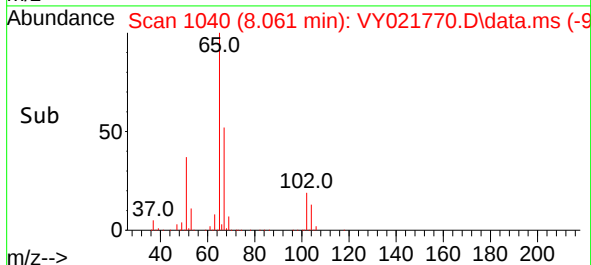
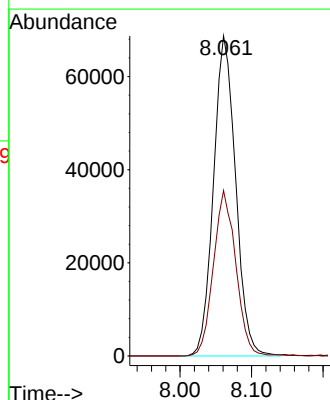
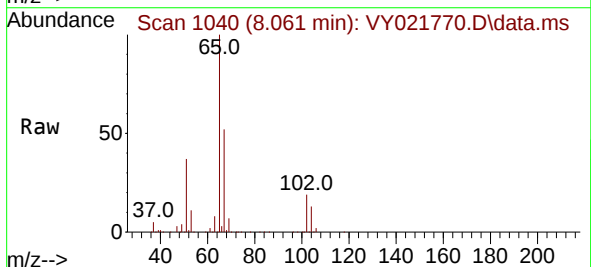
Instrument :
MSVOA_Y
ClientSampleId :
B-10

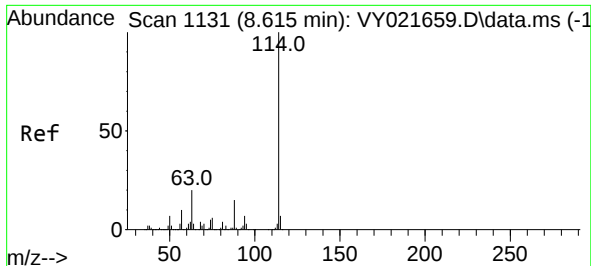
Tgt Ion:168 Resp: 264094
Ion Ratio Lower Upper
168 100
99 55.5 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 51.667 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021770.D
Acq: 03 Apr 2025 13:56

Tgt Ion: 65 Resp: 147838
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021770.D

Acq: 03 Apr 2025 13:56

Instrument :

MSVOA_Y

ClientSampleId :

B-10

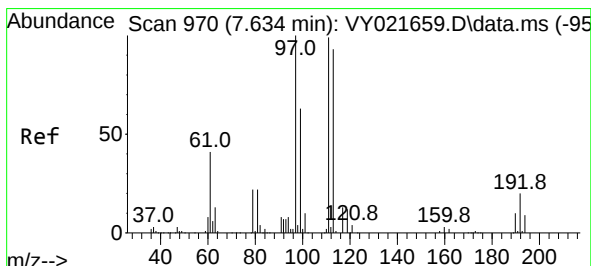
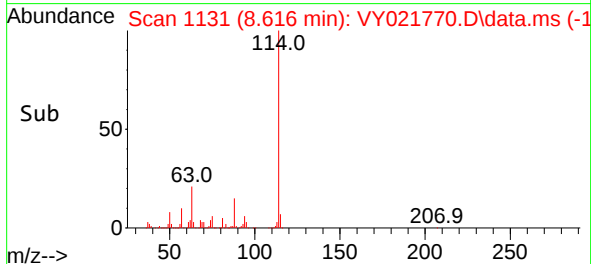
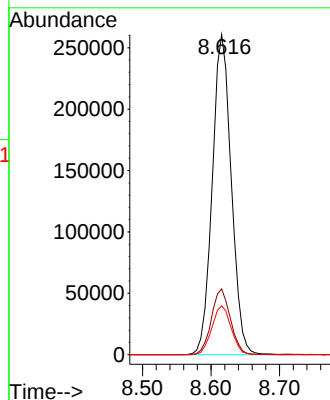
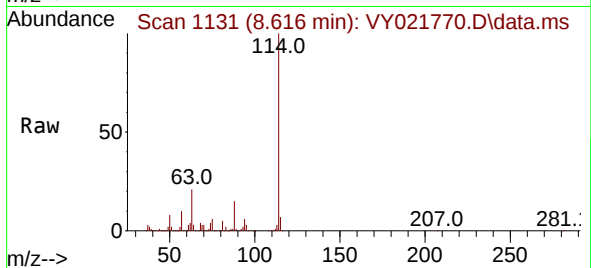
Tgt Ion:114 Resp: 502539

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.2

88 15.2 0.0 29.8



#35

Dibromofluoromethane

Concen: 50.616 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY021770.D

Acq: 03 Apr 2025 13:56

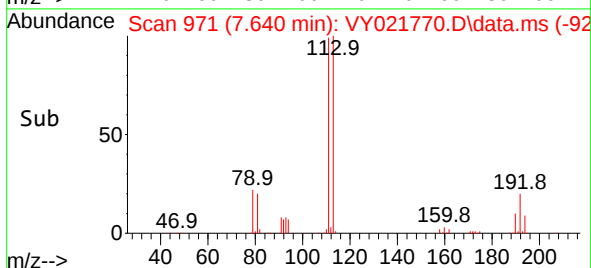
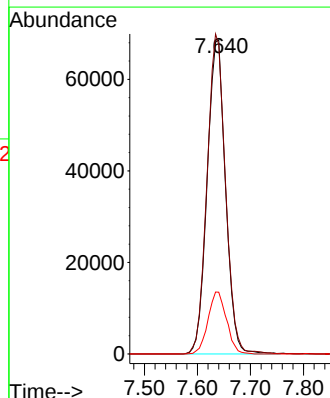
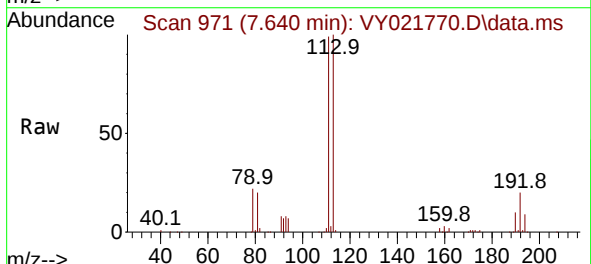
Tgt Ion:113 Resp: 165001

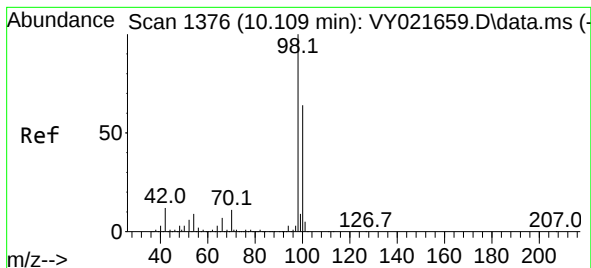
Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

192 19.9 16.2 24.4





#50

Toluene-d8

Concen: 50.438 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021770.D

Acq: 03 Apr 2025 13:56

Instrument :

MSVOA_Y

ClientSampleId :

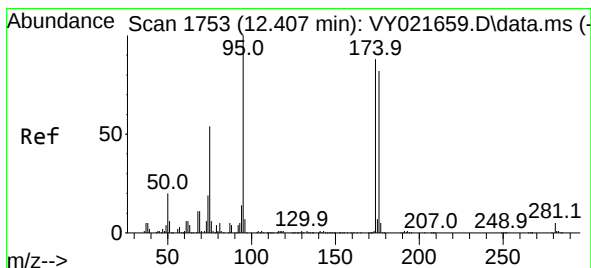
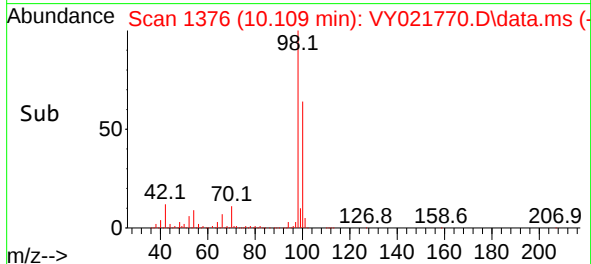
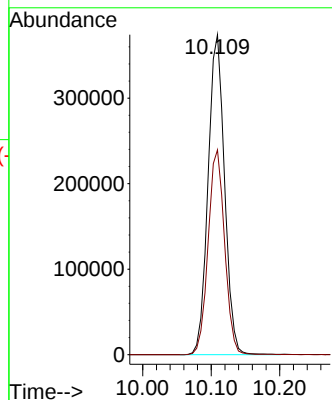
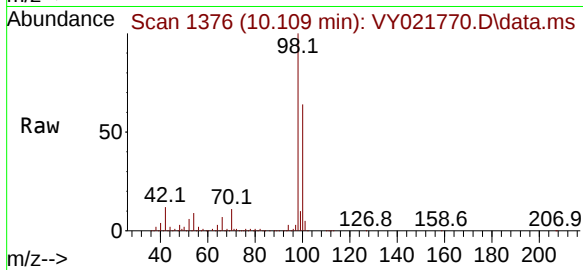
B-10

Tgt Ion: 98 Resp: 625514

Ion Ratio Lower Upper

98 100

100 64.2 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 46.265 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021770.D

Acq: 03 Apr 2025 13:56

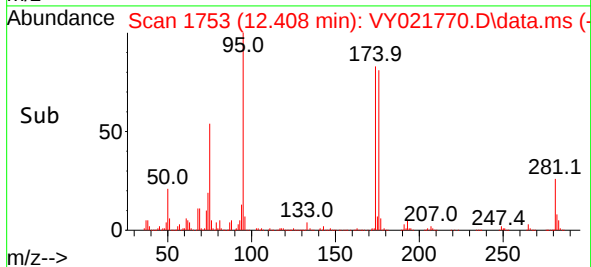
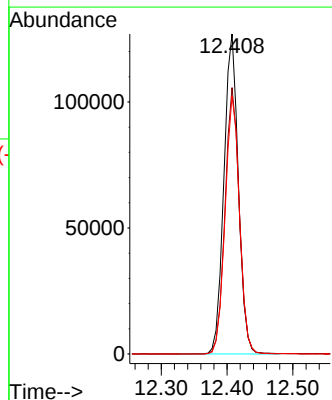
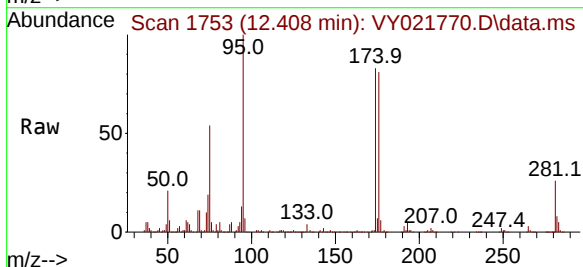
Tgt Ion: 95 Resp: 194072

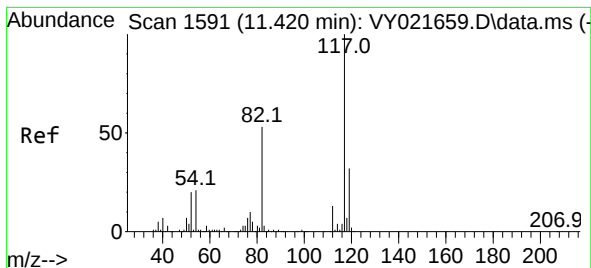
Ion Ratio Lower Upper

95 100

174 82.6 0.0 170.8

176 80.4 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021770.D

Acq: 03 Apr 2025 13:56

Instrument :

MSVOA_Y

ClientSampleId :

B-10

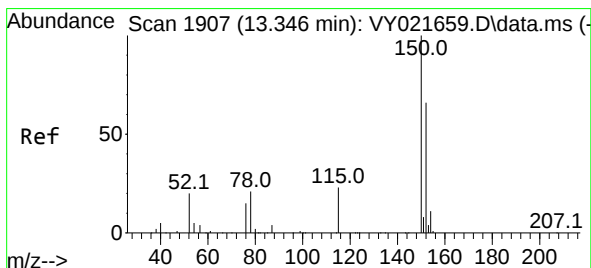
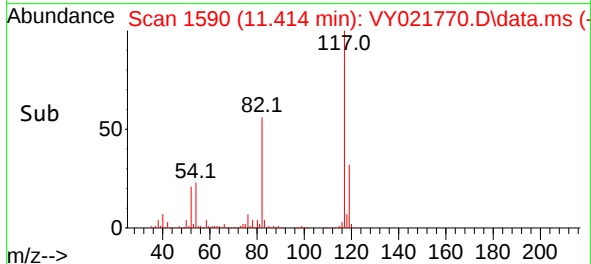
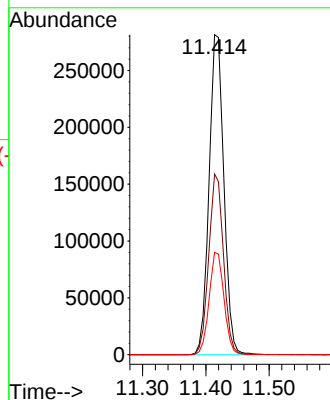
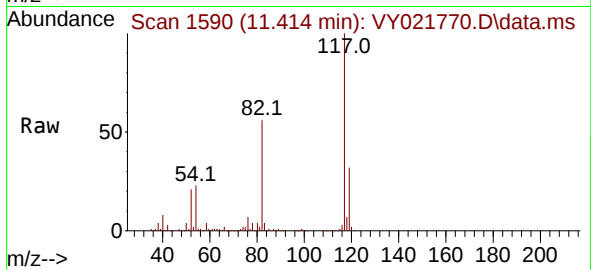
Tgt Ion:117 Resp: 458507

Ion Ratio Lower Upper

117 100

82 56.5 42.8 64.2

119 31.9 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021770.D

Acq: 03 Apr 2025 13:56

Tgt Ion:152 Resp: 179643

Ion Ratio Lower Upper

152 100

115 57.6 28.8 86.5

150 155.1 0.0 348.4

