

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010825\
 Data File : VY020807.D
 Acq On : 08 Jan 2025 13:37
 Operator : SY/MD
 Sample : Q1025-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GREENBROOK-COMP

Quant Time: Jan 09 00:21:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	4712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	5639	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.432	117	1616	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.365	152	247	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	1183	29.538	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	59.080%
35) Dibromofluoromethane	7.646	113	1668	47.215	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.420%
50) Toluene-d8	10.121	98	5316	43.166	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.340%
62) 4-Bromofluorobenzene	12.420	95	302	6.641	ug/l	0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	13.280%#

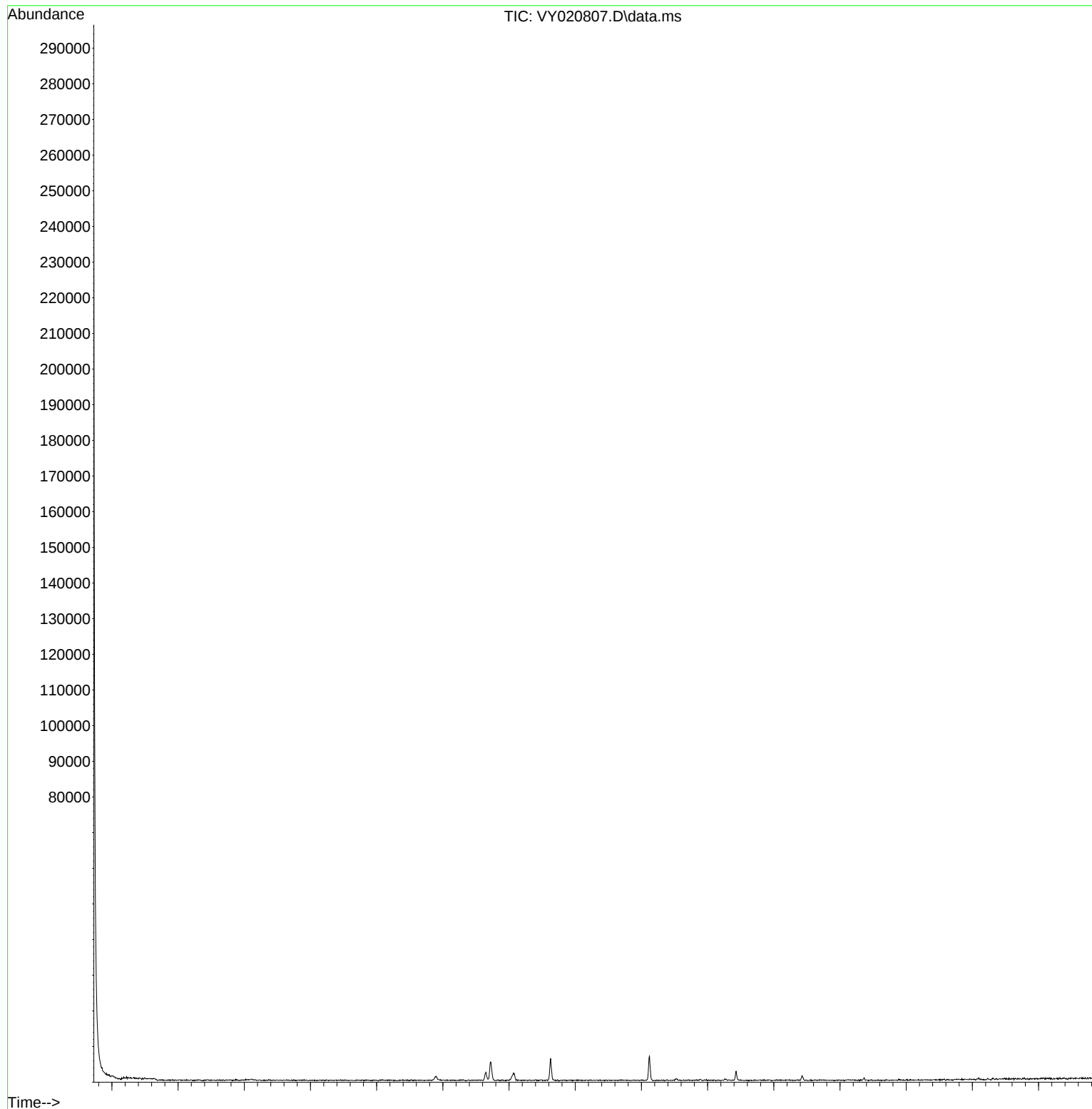
Target Compounds	Qvalue

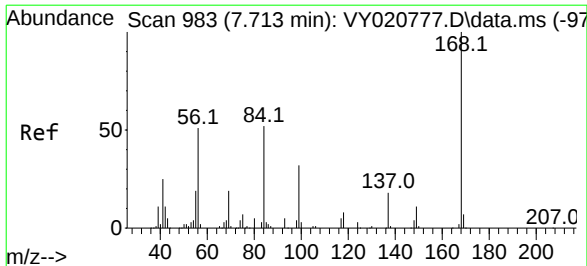
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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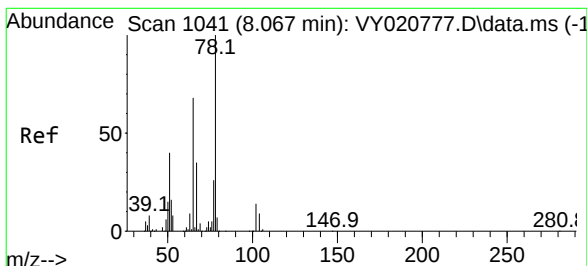
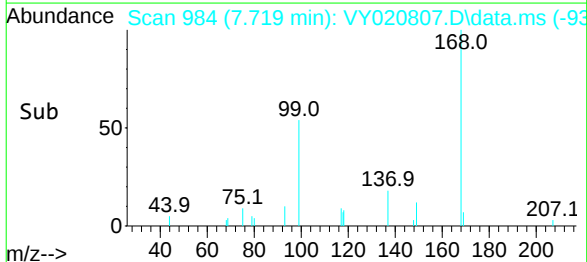
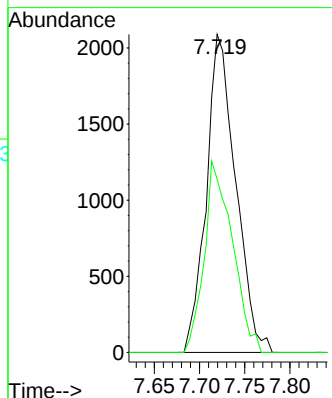
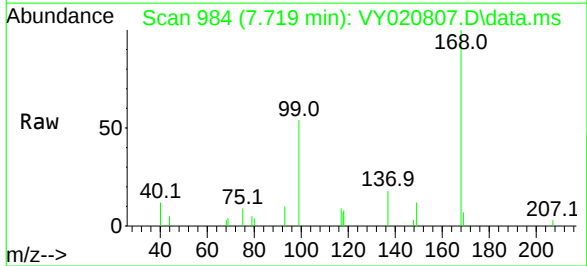




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020807.D
Acq: 08 Jan 2025 13:37

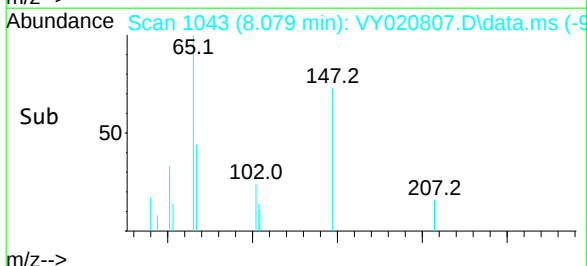
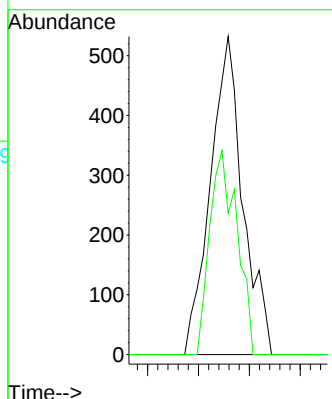
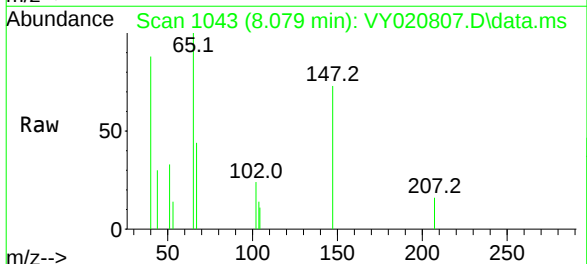
Instrument :
MSVOA_Y
ClientSampleId :
GREENBROOK-COMP

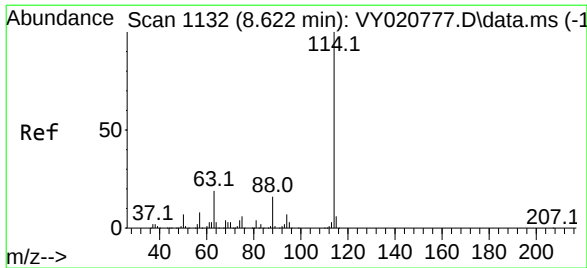
Tgt Ion:168 Resp: 4712
Ion Ratio Lower Upper
168 100
99 54.5 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 29.538 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.012 min
Lab File: VY020807.D
Acq: 08 Jan 2025 13:37

Tgt Ion: 65 Resp: 1183
Ion Ratio Lower Upper
65 100
67 53.6 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY020807.D

Acq: 08 Jan 2025 13:37

Instrument :

MSVOA_Y

ClientSampleId :

GREENBROOK-COMP

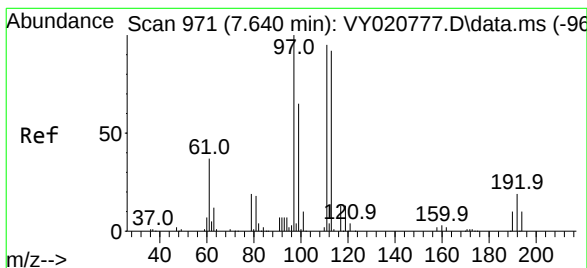
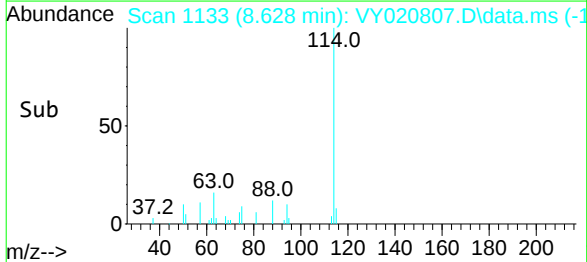
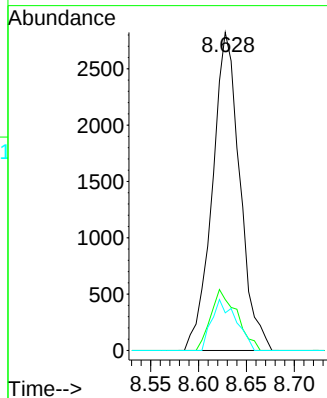
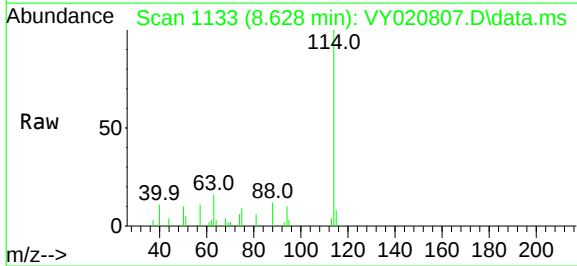
Tgt Ion:114 Resp: 5639

Ion Ratio Lower Upper

114 100

63 16.0 0.0 38.4

88 11.8 0.0 31.2



#35

Dibromofluoromethane

Concen: 47.215 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.006 min

Lab File: VY020807.D

Acq: 08 Jan 2025 13:37

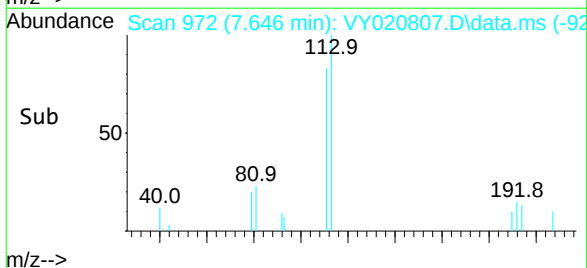
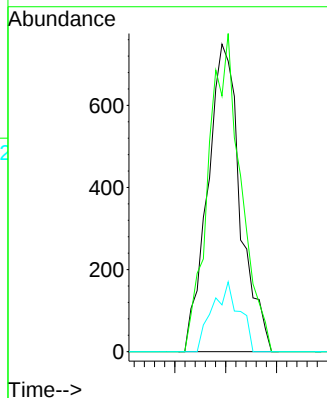
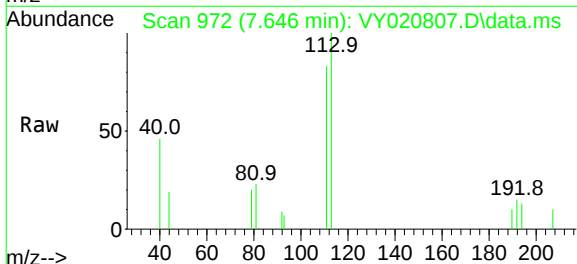
Tgt Ion:113 Resp: 1668

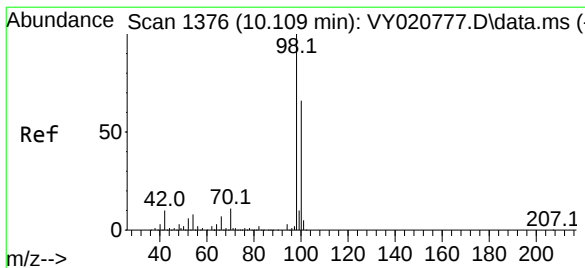
Ion Ratio Lower Upper

113 100

111 103.1 81.7 122.5

192 18.8 16.7 25.1





#50

Toluene-d8

Concen: 43.166 ug/l

RT: 10.121 min Scan# 1376

Delta R.T. 0.012 min

Lab File: VY020807.D

Acq: 08 Jan 2025 13:37

Instrument :

MSVOA_Y

ClientSampleId :

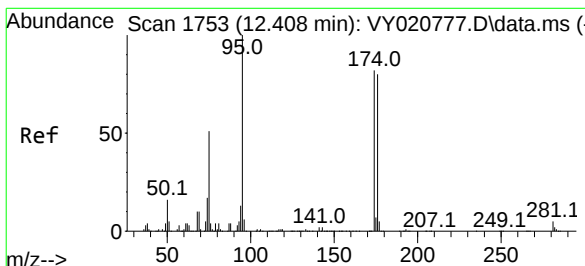
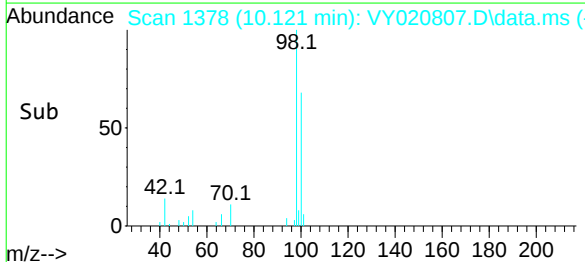
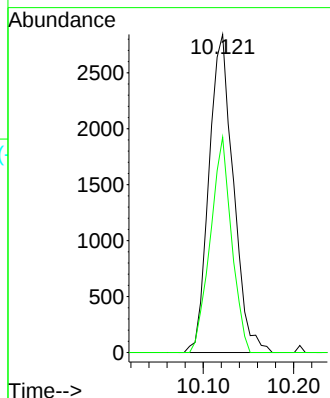
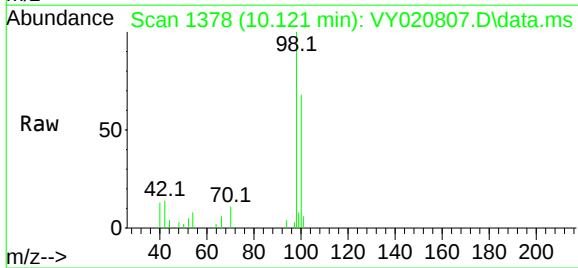
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Tgt Ion: 98 Resp: 5316

Ion Ratio Lower Upper

98 100

100 59.1 52.5 78.7



#62

4-Bromofluorobenzene

Concen: 6.641 ug/l

RT: 12.420 min Scan# 1755

Delta R.T. 0.012 min

Lab File: VY020807.D

Acq: 08 Jan 2025 13:37

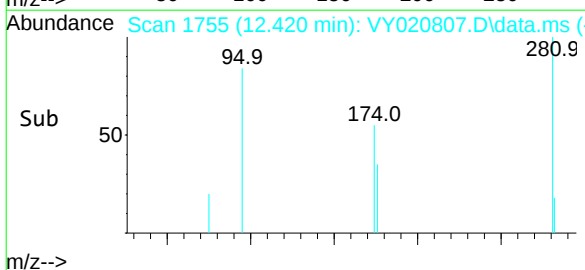
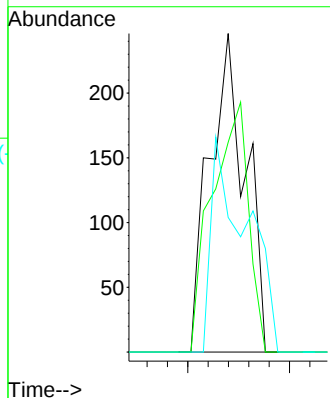
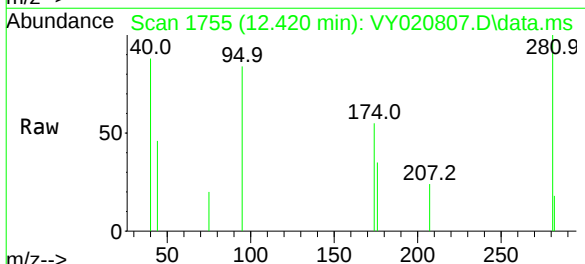
Tgt Ion: 95 Resp: 302

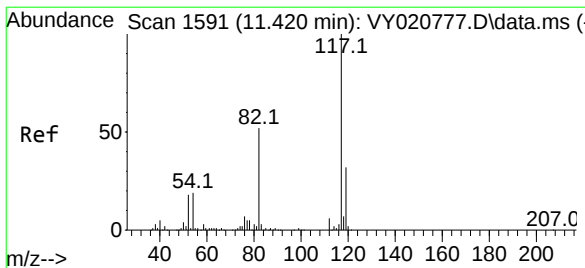
Ion Ratio Lower Upper

95 100

174 79.8 0.0 178.0

176 66.2 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.432 min Scan# 15

Delta R.T. 0.012 min

Lab File: VY020807.D

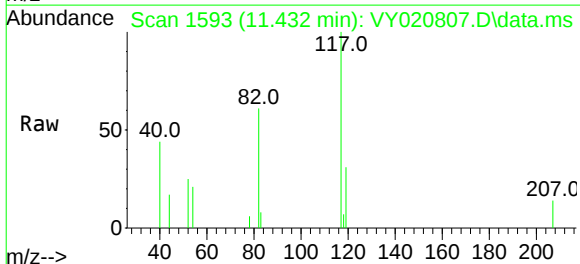
Acq: 08 Jan 2025 13:37

Instrument :

MSVOA_Y

ClientSampleId :

GREENBROOK-COMP



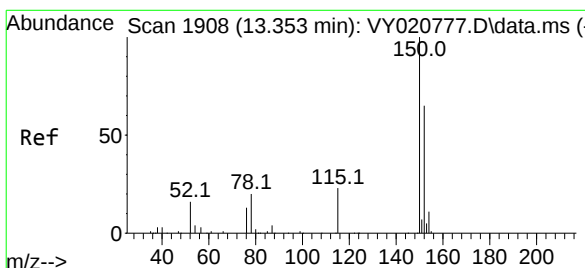
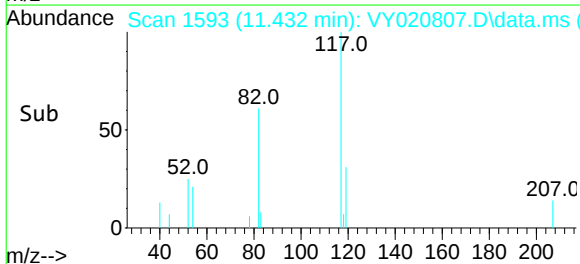
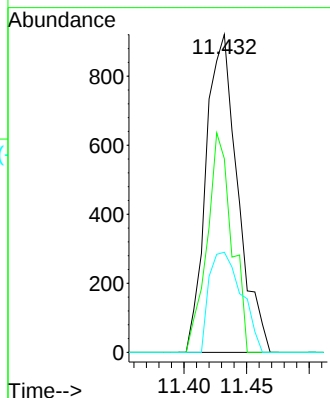
Tgt Ion:117 Resp: 1616

Ion Ratio Lower Upper

117 100

82 60.9 41.8 62.6

119 31.5 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.012 min

Lab File: VY020807.D

Acq: 08 Jan 2025 13:37

Tgt Ion:152 Resp: 247

Ion Ratio Lower Upper

152 100

115 45.3 29.0 87.0

150 142.1 0.0 347.4

