

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082124\
 Data File : VY019203.D
 Acq On : 22 Aug 2024 06:33
 Operator : SY/MD
 Sample : P3671-09
 Misc : 5.47g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-928-K1-SO-0-0.5-081924

Quant Time: Aug 22 07:26:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	90900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	164483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	148147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	44883	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	48858	53.619	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.240%
35) Dibromofluoromethane	7.628	113	52158	48.497	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.000%
50) Toluene-d8	10.109	98	197827	51.114	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.220%
62) 4-Bromofluorobenzene	12.408	95	54423	41.249	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	82.500%

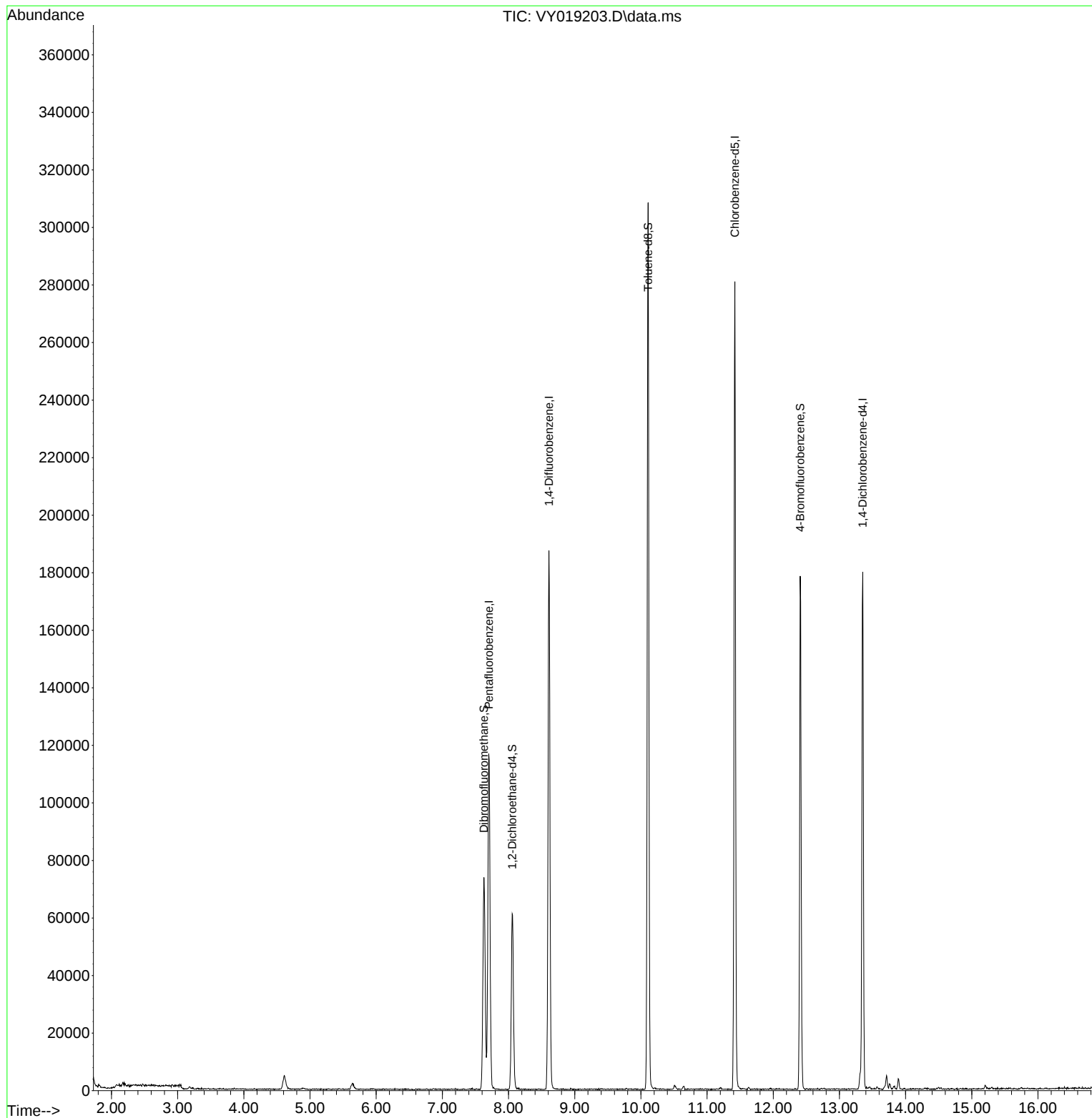
Target Compounds	Qvalue

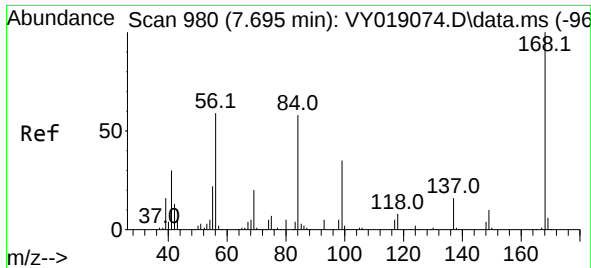
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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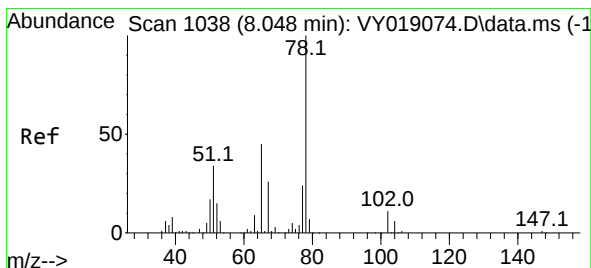
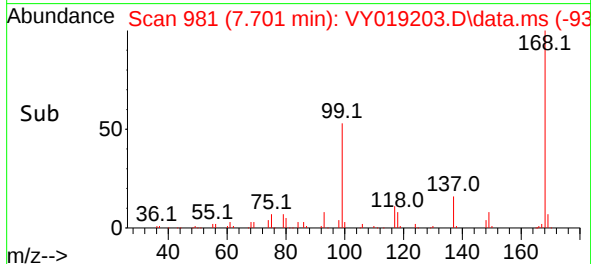
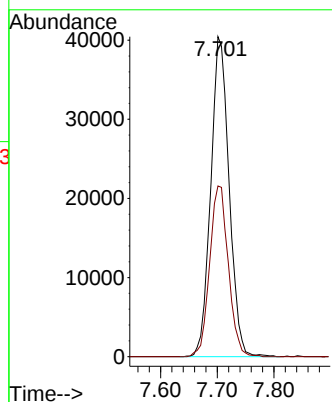
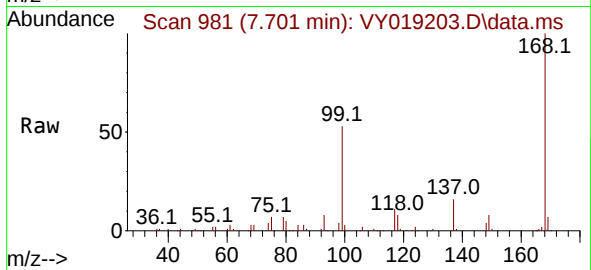




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019203.D
Acq: 22 Aug 2024 06:33

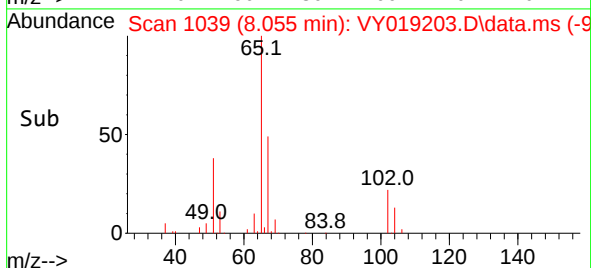
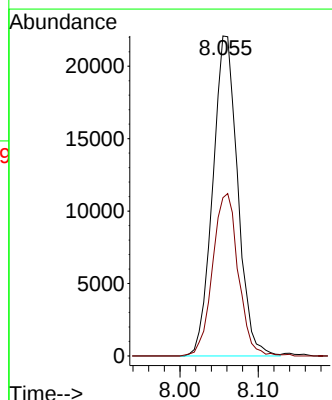
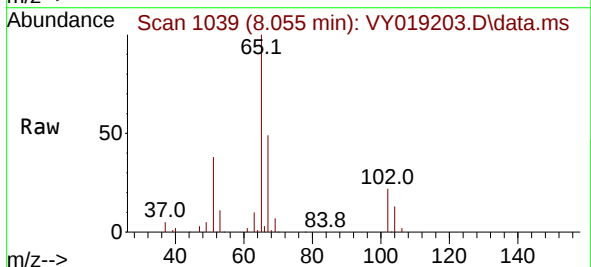
Instrument :
MSVOA_Y
ClientSampleId :
S-928-K1-SO-0-0.5-081924

Tgt Ion:168 Resp: 90900
Ion Ratio Lower Upper
168 100
99 53.3 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 53.619 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY019203.D
Acq: 22 Aug 2024 06:33

Tgt Ion: 65 Resp: 48858
Ion Ratio Lower Upper
65 100
67 52.3 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY019203.D

Acq: 22 Aug 2024 06:33

Instrument :

MSVOA_Y

ClientSampleId :

S-928-K1-SO-0-0.5-081924

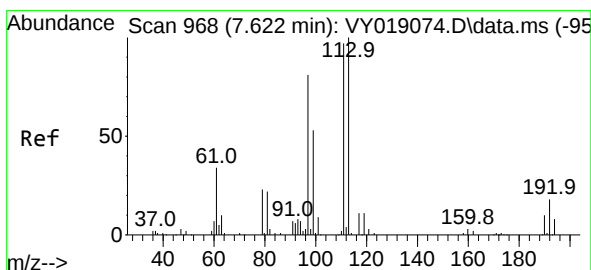
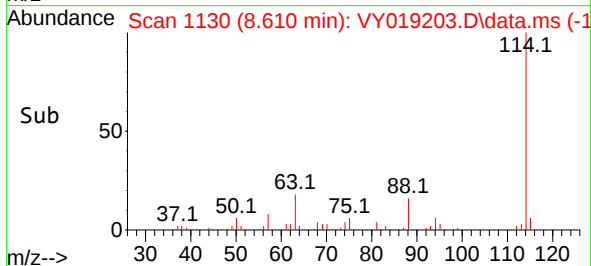
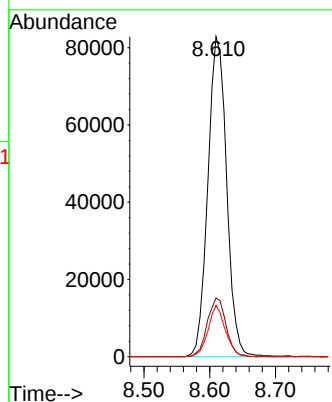
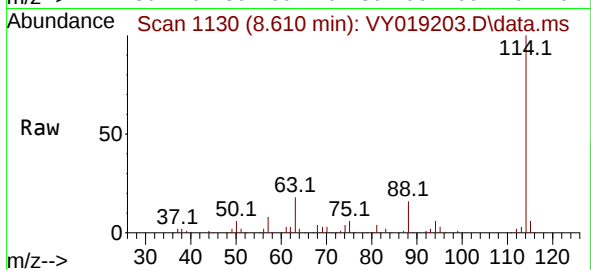
Tgt Ion:114 Resp: 164483

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.0

88 16.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.497 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY019203.D

Acq: 22 Aug 2024 06:33

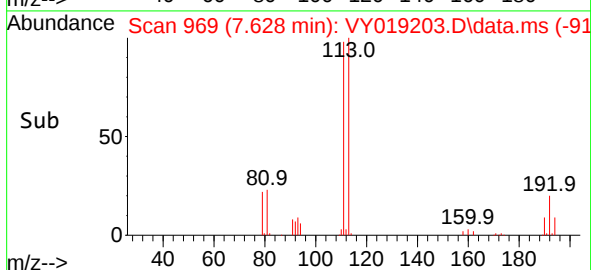
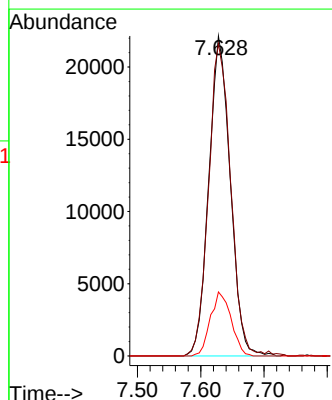
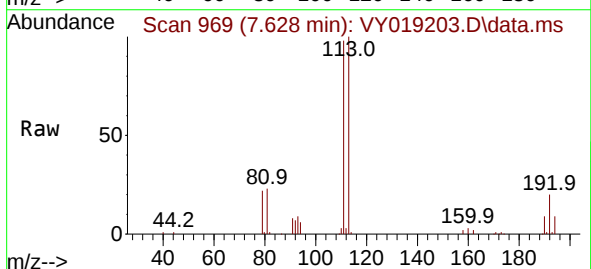
Tgt Ion:113 Resp: 52158

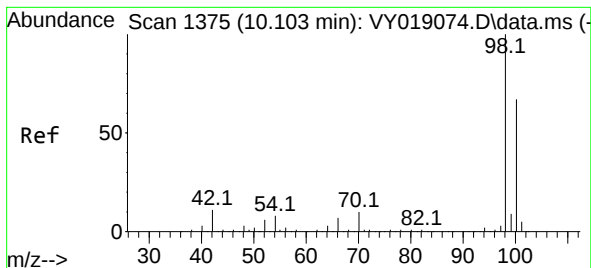
Ion Ratio Lower Upper

113 100

111 101.0 82.2 123.4

192 19.3 15.9 23.9





#50

Toluene-d8

Concen: 51.114 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY019203.D

Acq: 22 Aug 2024 06:33

Instrument :

MSVOA_Y

ClientSampleId :

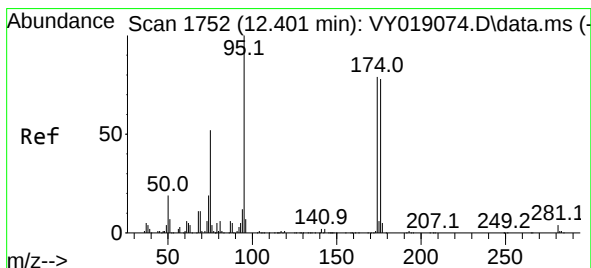
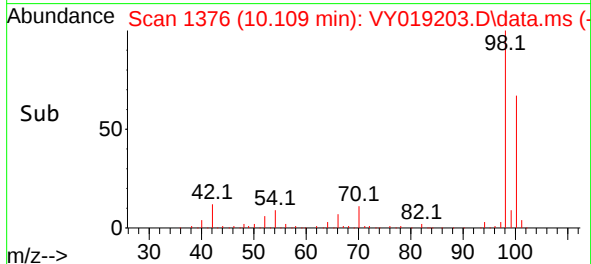
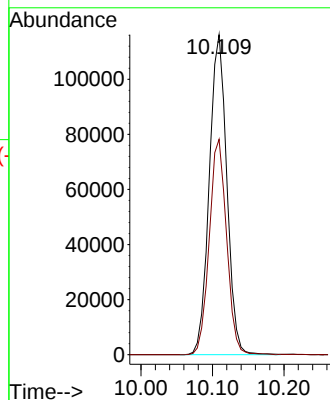
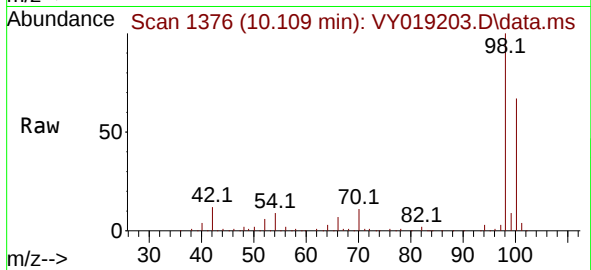
S-928-K1-SO-0-0.5-081924

Tgt Ion: 98 Resp: 197827

Ion Ratio Lower Upper

98 100

100 66.5 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 41.249 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY019203.D

Acq: 22 Aug 2024 06:33

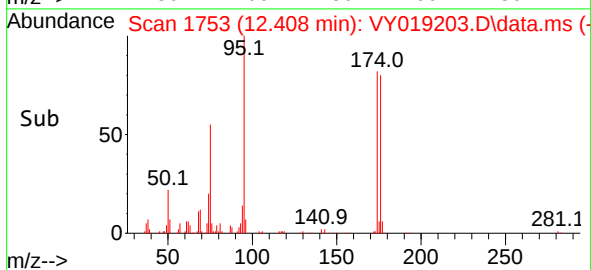
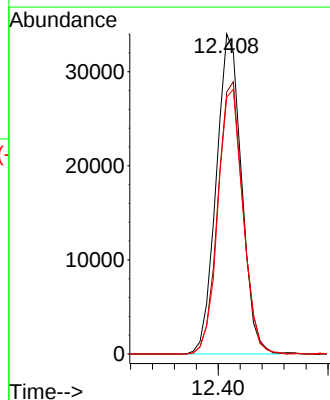
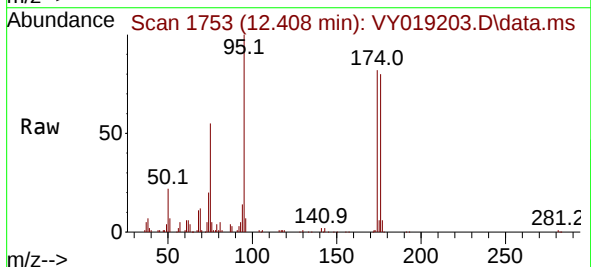
Tgt Ion: 95 Resp: 54423

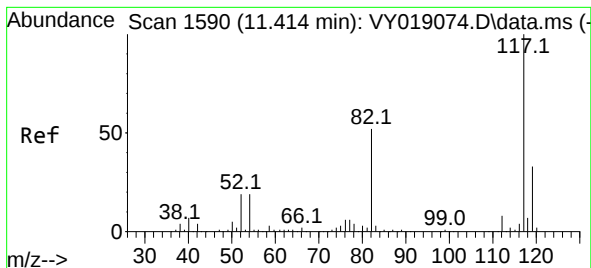
Ion Ratio Lower Upper

95 100

174 84.3 0.0 175.6

176 82.2 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY019203.D

Acq: 22 Aug 2024 06:33

Instrument :

MSVOA_Y

ClientSampleId :

S-928-K1-SO-0-0.5-081924

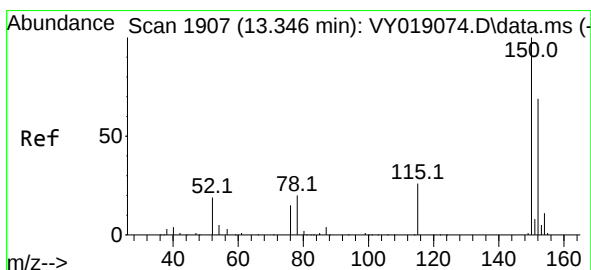
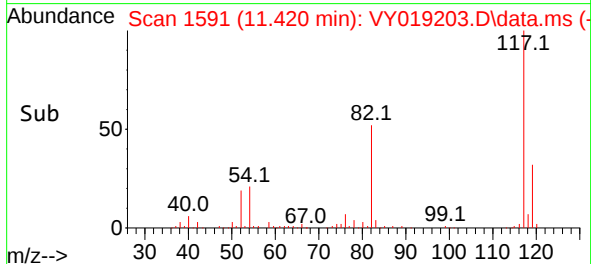
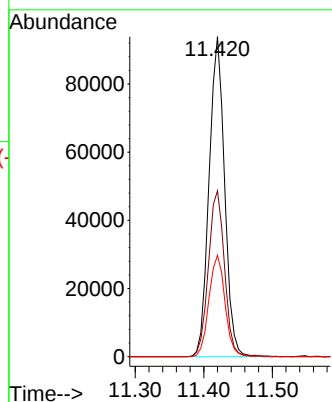
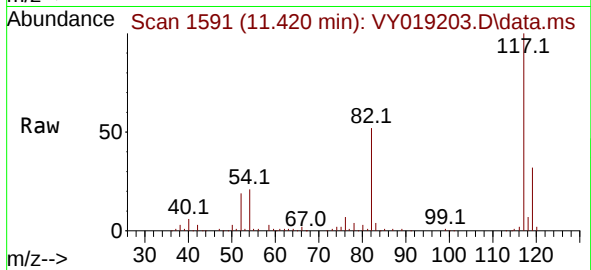
Tgt Ion:117 Resp: 148147

Ion Ratio Lower Upper

117 100

82 51.9 42.4 63.6

119 31.7 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY019203.D

Acq: 22 Aug 2024 06:33

Tgt Ion:152 Resp: 44883

Ion Ratio Lower Upper

152 100

115 62.2 28.2 84.7

150 161.5 0.0 345.6

