

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082224\
 Data File : VY019223.D
 Acq On : 22 Aug 2024 16:20
 Operator : SY/MD
 Sample : P3671-03RE
 Misc : 5.47g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-911-K1-SO-0-0.5-081924RE

Quant Time: Aug 23 01:54:35 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	97952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	149565	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	132652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	38786	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	44739	45.564	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.120%
35) Dibromofluoromethane	7.628	113	51334	52.492	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.980%
50) Toluene-d8	10.103	98	158234	44.962	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.920%
62) 4-Bromofluorobenzene	12.408	95	45618	38.024	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	76.040%

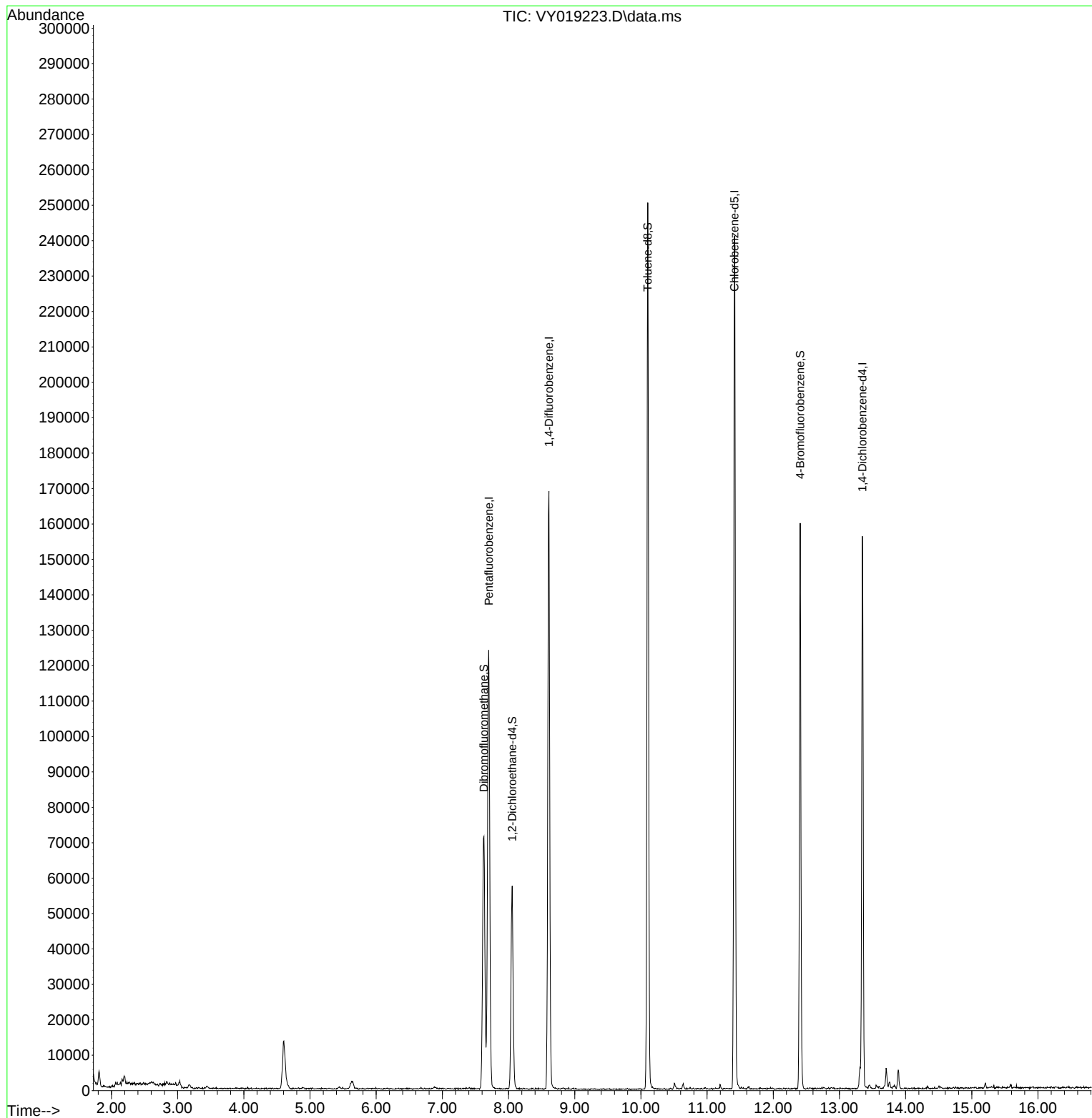
Target Compounds	Qvalue

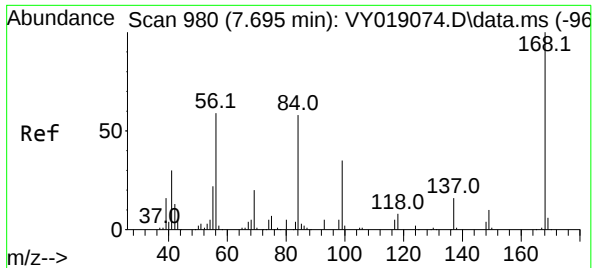
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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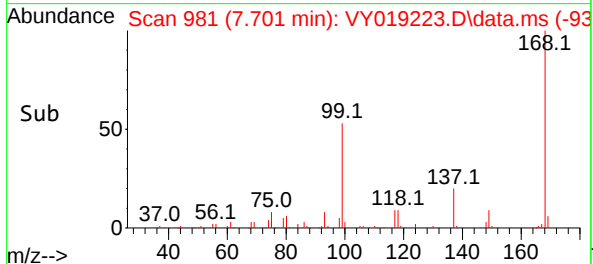
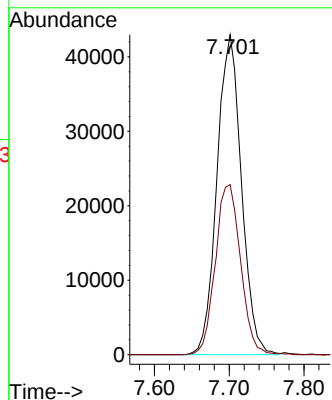
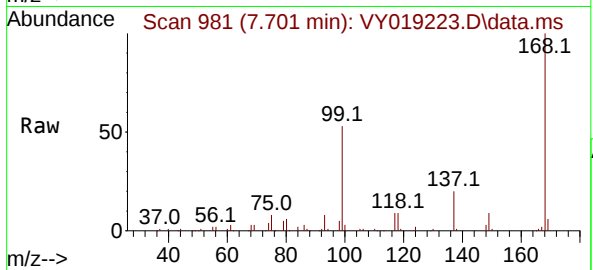




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019223.D
Acq: 22 Aug 2024 16:20

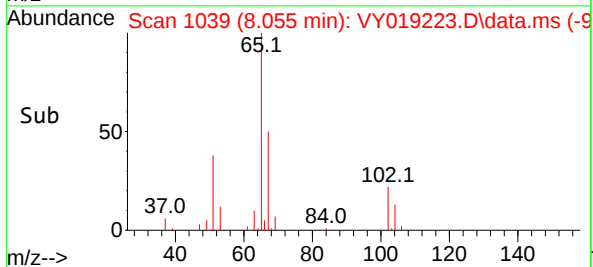
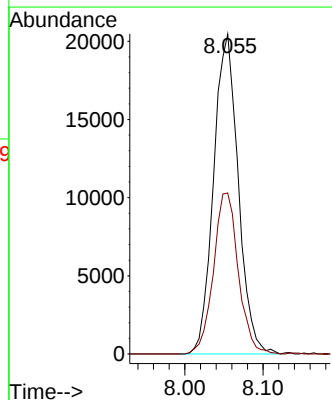
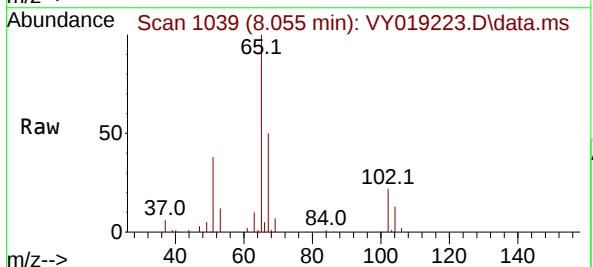
Instrument :
MSVOA_Y
ClientSampleId :
S-911-K1-SO-0-0.5-081924RE

Tgt Ion:168 Resp: 97952
Ion Ratio Lower Upper
168 100
99 53.1 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 45.564 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY019223.D
Acq: 22 Aug 2024 16:20

Tgt Ion: 65 Resp: 44739
Ion Ratio Lower Upper
65 100
67 50.7 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY019223.D

Acq: 22 Aug 2024 16:20

Instrument :

MSVOA_Y

ClientSampleId :

S-911-K1-SO-0-0.5-081924RE

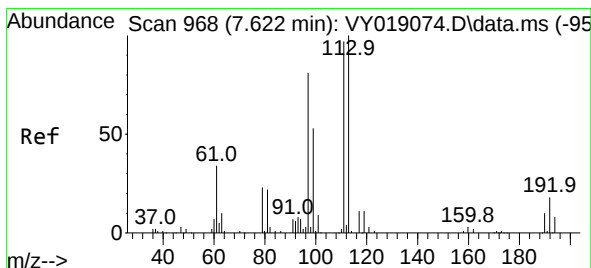
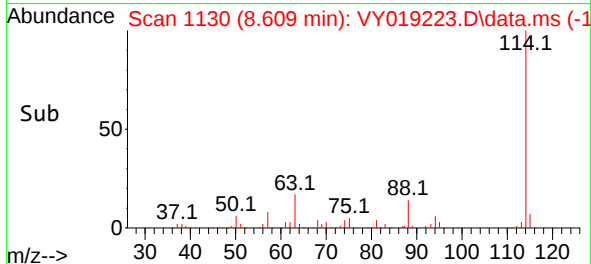
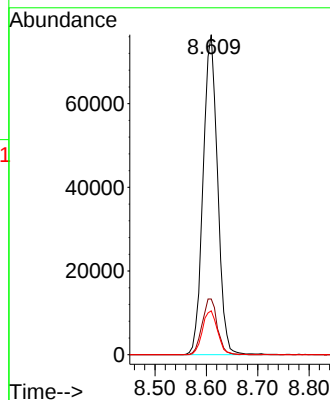
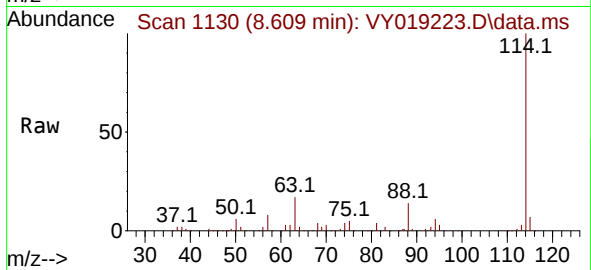
Tgt Ion:114 Resp: 149565

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.0

88 13.7 0.0 27.2



#35

Dibromofluoromethane

Concen: 52.492 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY019223.D

Acq: 22 Aug 2024 16:20

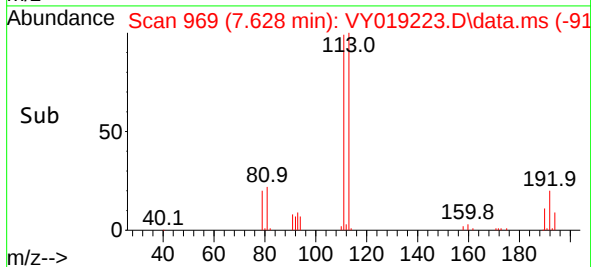
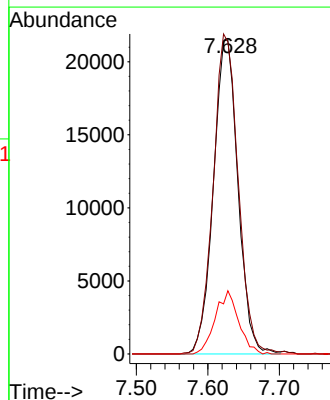
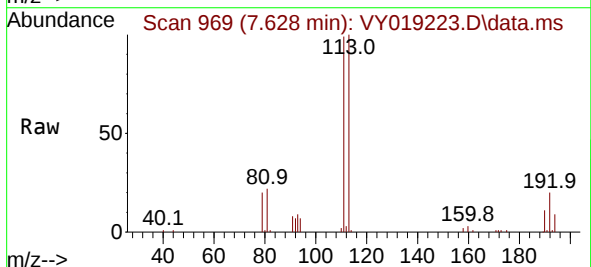
Tgt Ion:113 Resp: 51334

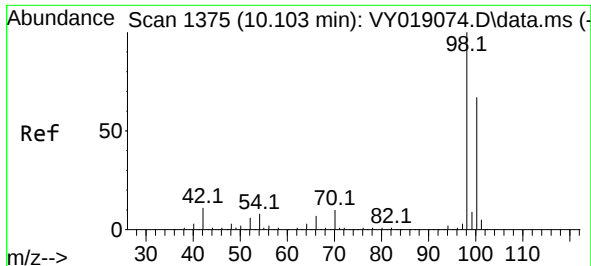
Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.4

192 19.1 15.9 23.9

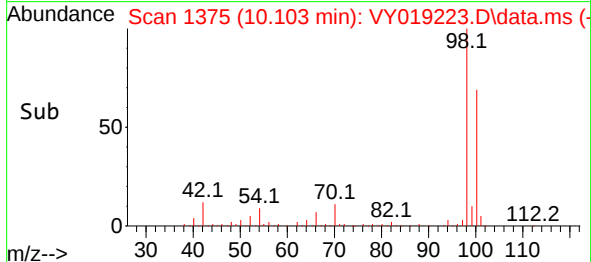
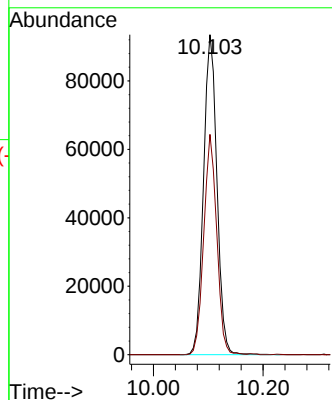
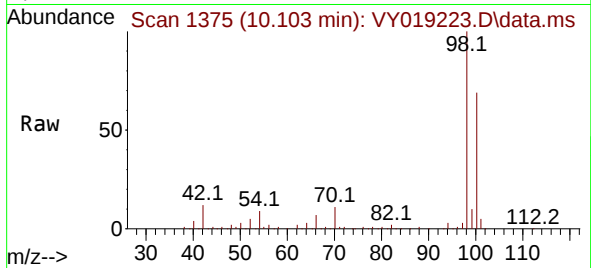




#50
Toluene-d8
Concen: 44.962 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019223.D
Acq: 22 Aug 2024 16:20

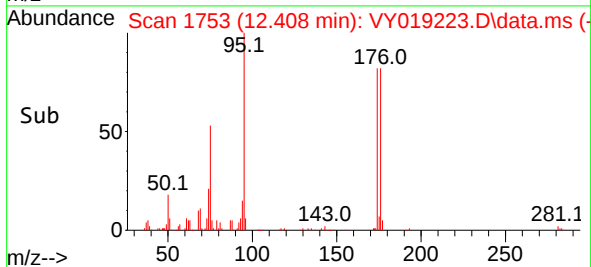
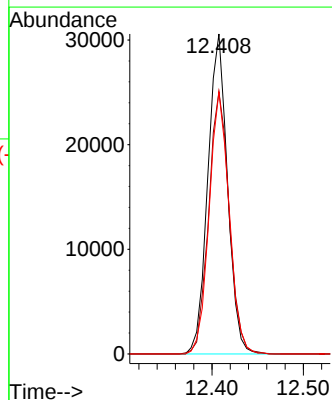
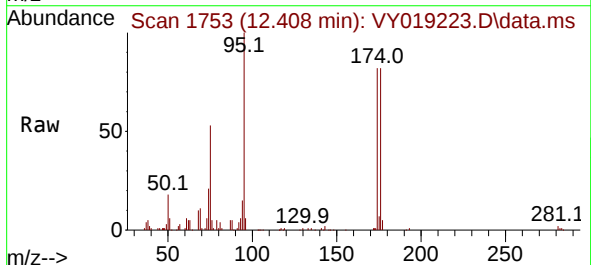
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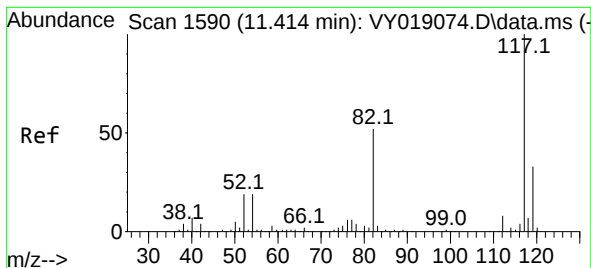
Tgt Ion: 98 Resp: 158234
Ion Ratio Lower Upper
98 100
100 66.7 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 38.024 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019223.D
Acq: 22 Aug 2024 16:20

Tgt Ion: 95 Resp: 45618
Ion Ratio Lower Upper
95 100
174 85.8 0.0 175.6
176 83.4 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019223.D

Acq: 22 Aug 2024 16:20

Instrument :

MSVOA_Y

ClientSampleId :

S-911-K1-SO-0-0.5-081924RE

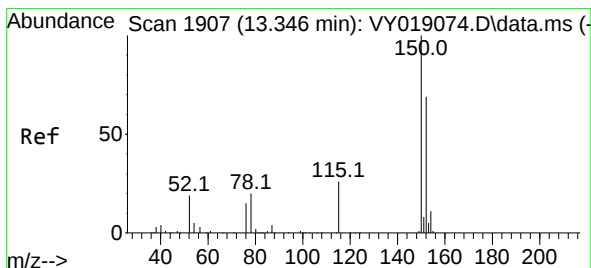
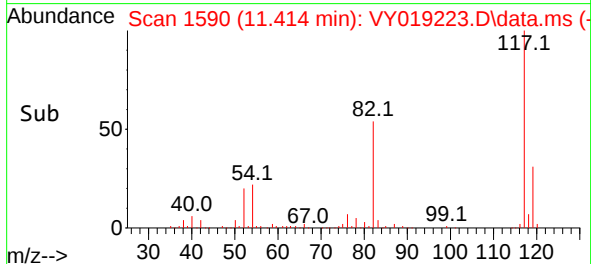
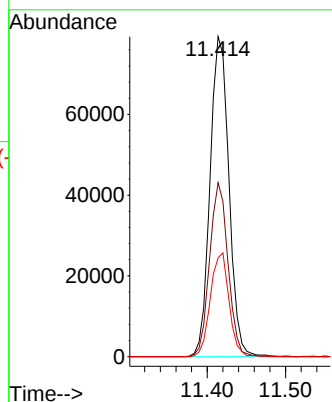
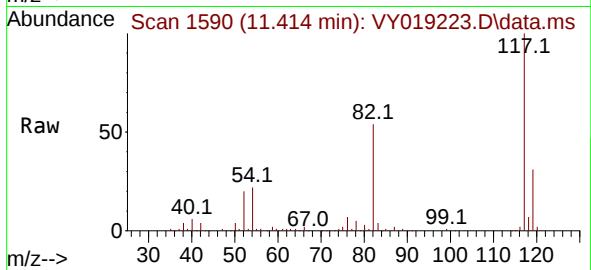
Tgt Ion:117 Resp: 132652

Ion Ratio Lower Upper

117 100

82 54.4 42.4 63.6

119 30.9 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019223.D

Acq: 22 Aug 2024 16:20

Tgt Ion:152 Resp: 38786

Ion Ratio Lower Upper

152 100

115 58.4 28.2 84.7

150 156.6 0.0 345.6

