

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082124\
 Data File : VY019204.D
 Acq On : 22 Aug 2024 06:57
 Operator : SY/MD
 Sample : P3671-10
 Misc : 6.47g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-928-K1-SO-0.5-1-081924

Quant Time: Aug 22 07:26:51 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	7.713	168	6799	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.609	114	8008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	3518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	302	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	1229	18.033	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	36.060%#
35) Dibromofluoromethane	7.634	113	2053	39.209	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	78.420%
50) Toluene-d8	10.109	98	7873	41.782	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	83.560%
62) 4-Bromofluorobenzene	12.407	95	542	8.438	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	16.880%#

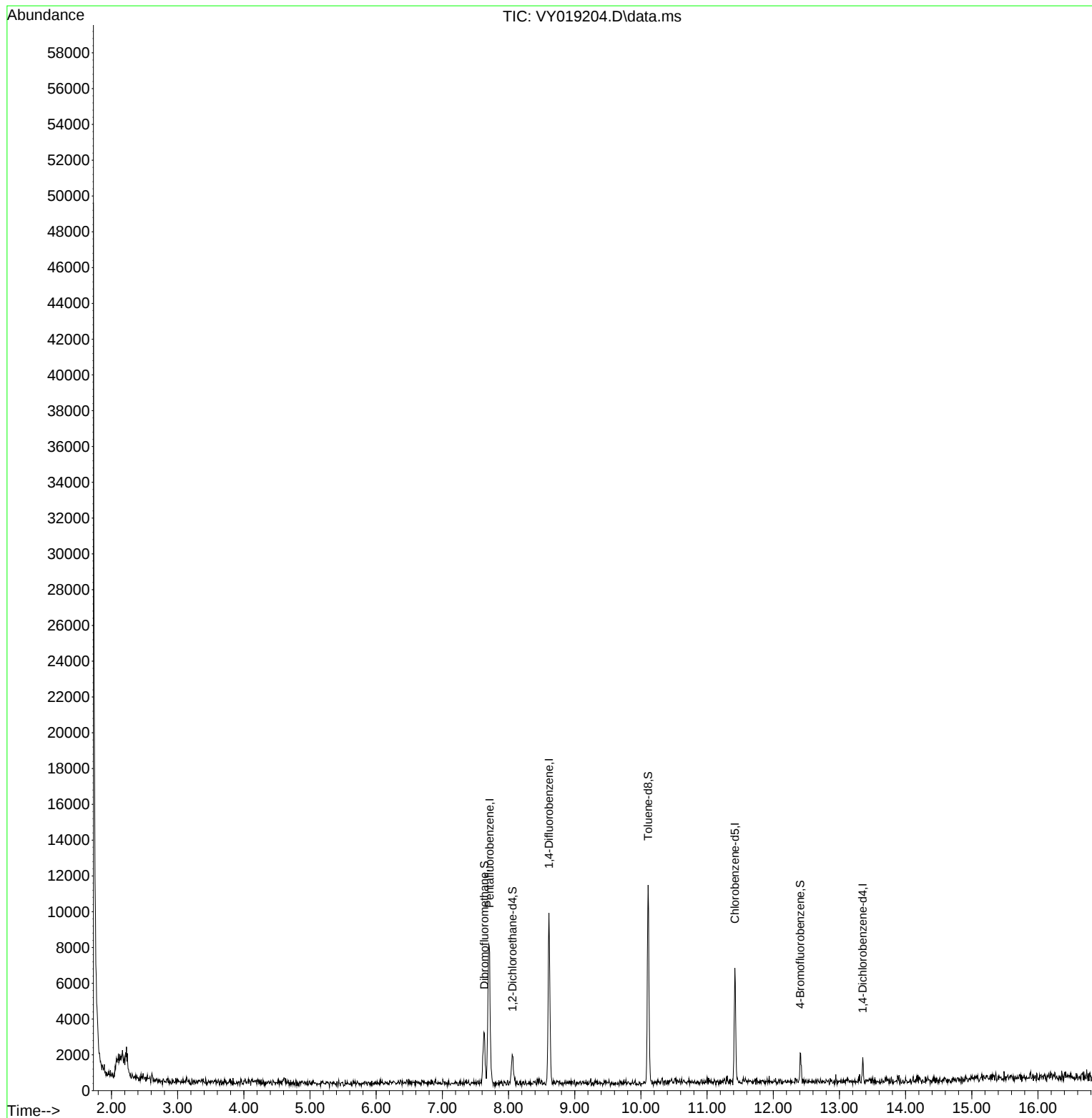
Target Compounds	Qvalue

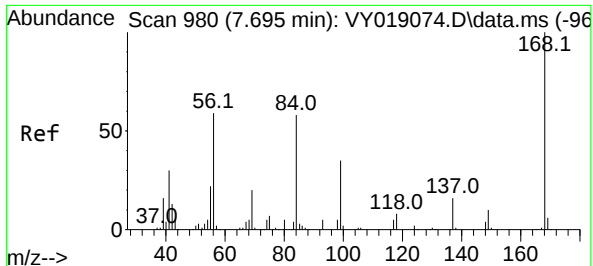
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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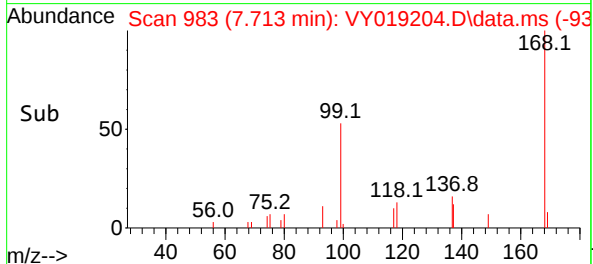
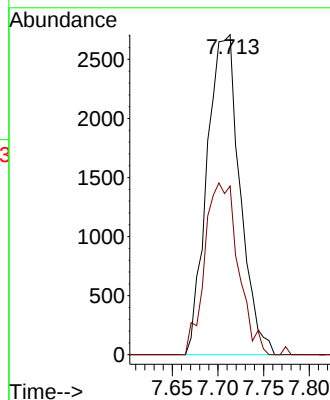
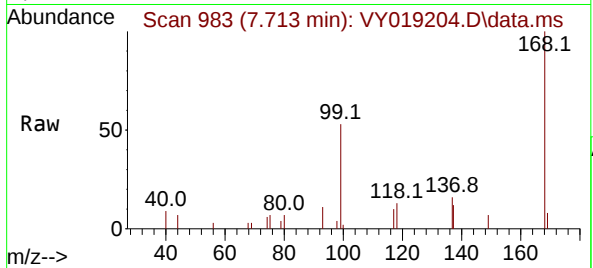




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY019204.D
Acq: 22 Aug 2024 06:57

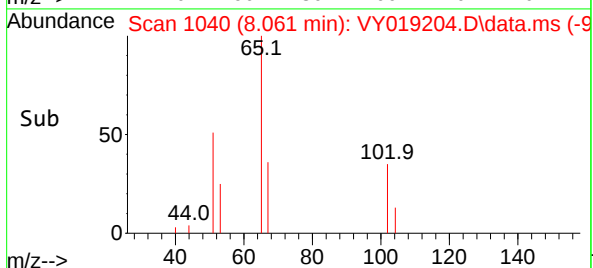
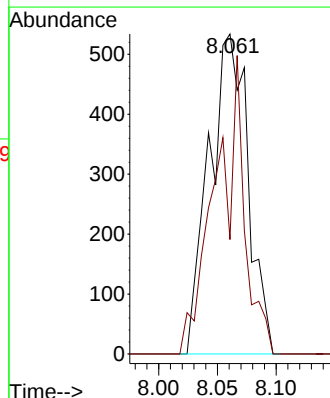
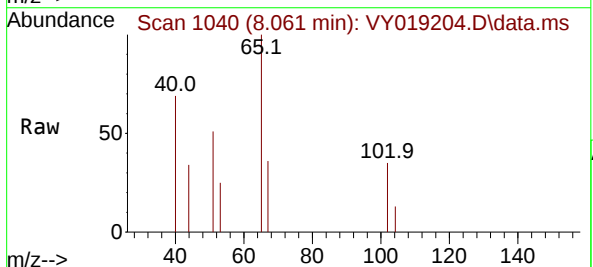
Instrument :
MSVOA_Y
ClientSampleId :
S-928-K1-SO-0.5-1-081924

Tgt Ion:168 Resp: 6799
Ion Ratio Lower Upper
168 100
99 52.7 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 18.033 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.012 min
Lab File: VY019204.D
Acq: 22 Aug 2024 06:57

Tgt Ion: 65 Resp: 1229
Ion Ratio Lower Upper
65 100
67 40.9 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: VY019204.D

Acq: 22 Aug 2024 06:57

Instrument :

MSVOA_Y

ClientSampleId :

S-928-K1-SO-0.5-1-081924

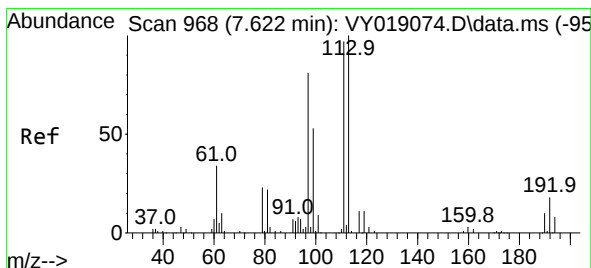
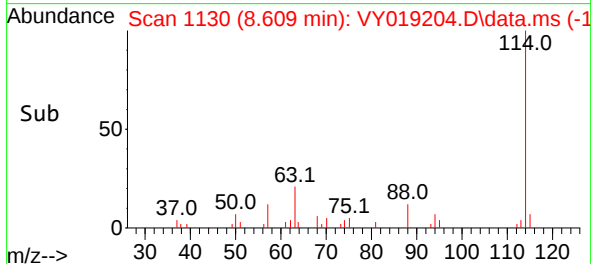
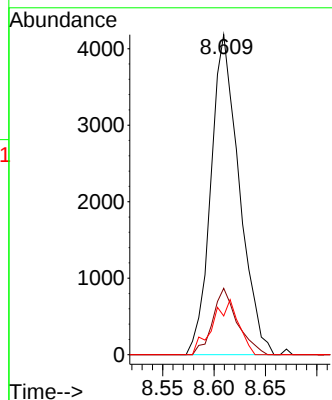
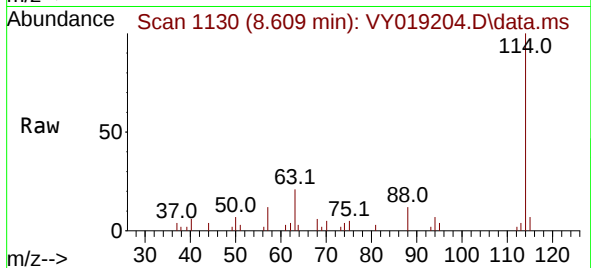
Tgt Ion:114 Resp: 8008

Ion Ratio Lower Upper

114 100

63 20.8 0.0 35.0

88 12.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 39.209 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.012 min

Lab File: VY019204.D

Acq: 22 Aug 2024 06:57

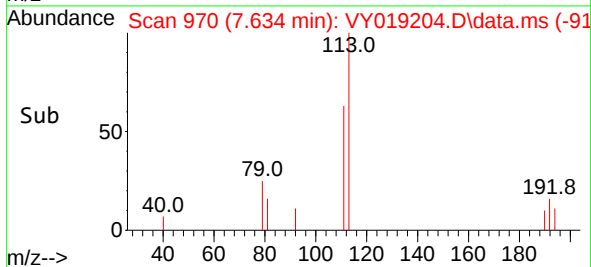
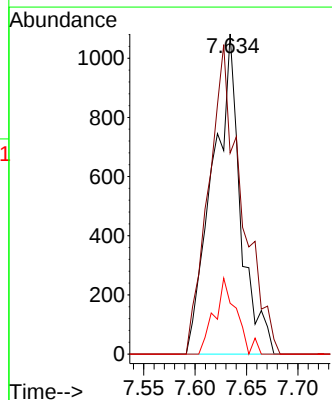
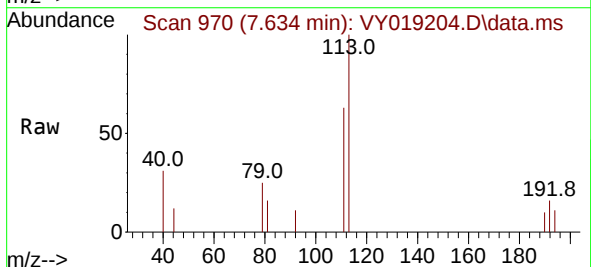
Tgt Ion:113 Resp: 2053

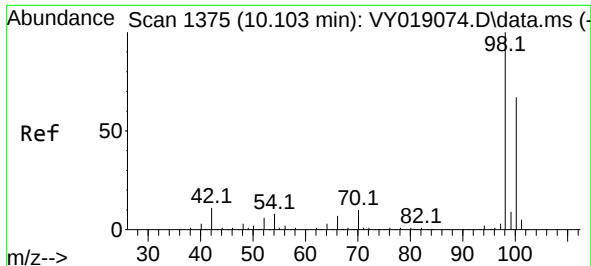
Ion Ratio Lower Upper

113 100

111 113.6 82.2 123.4

192 18.6 15.9 23.9

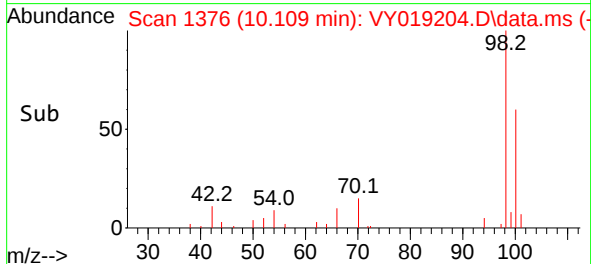
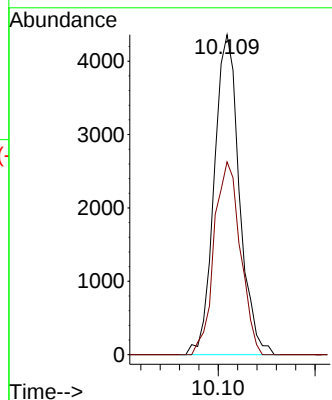
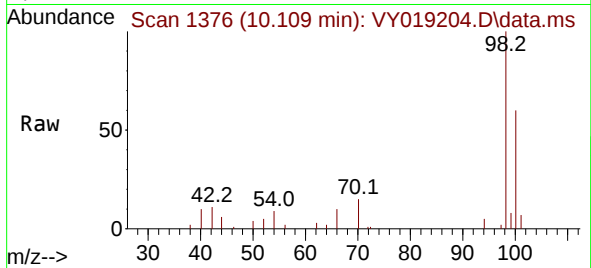




#50
Toluene-d8
Concen: 41.782 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY019204.D
Acq: 22 Aug 2024 06:57

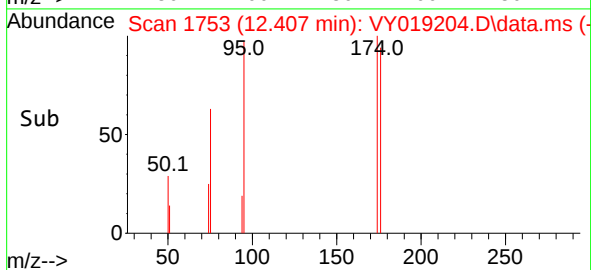
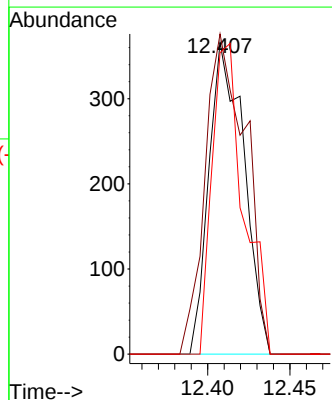
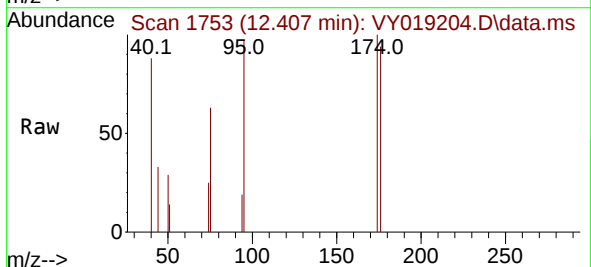
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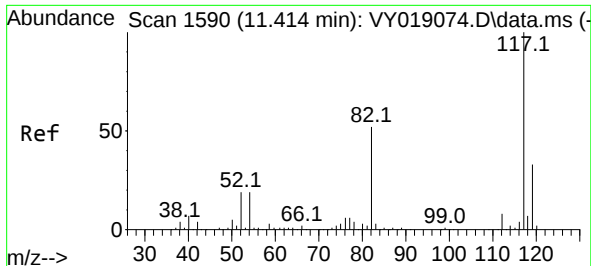
Tgt Ion: 98 Resp: 7873
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 8.438 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019204.D
Acq: 22 Aug 2024 06:57

Tgt Ion: 95 Resp: 542
Ion Ratio Lower Upper
95 100
174 118.5 0.0 175.6
176 90.6 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: VY019204.D

Acq: 22 Aug 2024 06:57

Instrument :

MSVOA_Y

ClientSampleId :

S-928-K1-SO-0.5-1-081924

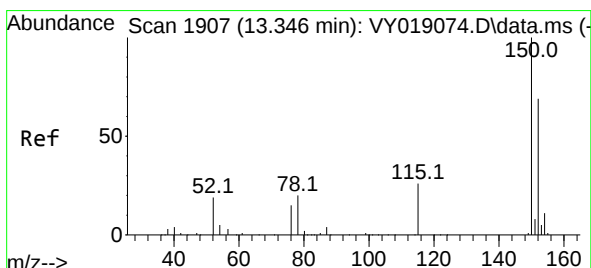
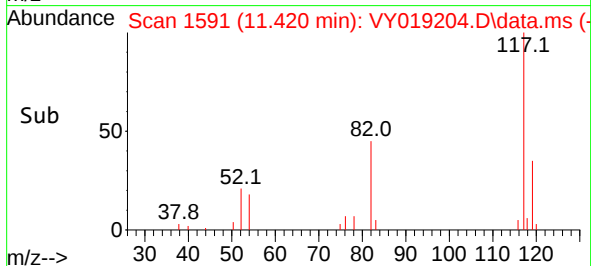
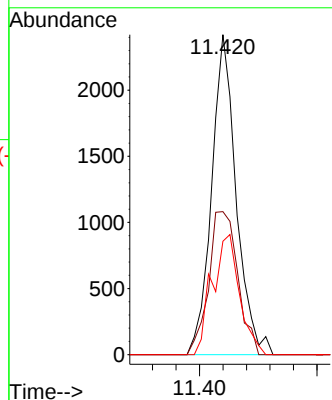
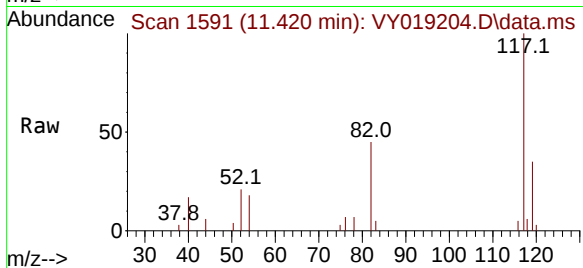
Tgt Ion:117 Resp: 3518

Ion Ratio Lower Upper

117 100

82 44.7 42.4 63.6

119 35.5 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY019204.D

Acq: 22 Aug 2024 06:57

Tgt Ion:152 Resp: 302

Ion Ratio Lower Upper

152 100

115 84.1 28.2 84.7

150 164.9 0.0 345.6

