

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101024\
 Data File : VY019854.D
 Acq On : 10 Oct 2024 15:17
 Operator : SY/MD
 Sample : P4364-06
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-02-4.5-5.0

Quant Time: Oct 11 01:43:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	8525	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	15146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	8002	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	938	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	3970	37.821	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	75.640%
35) Dibromofluoromethane	7.622	113	4362	43.643	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.280%
50) Toluene-d8	10.109	98	14087	38.167	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	76.340%
62) 4-Bromofluorobenzene	12.407	95	1658	12.432	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	24.860%#

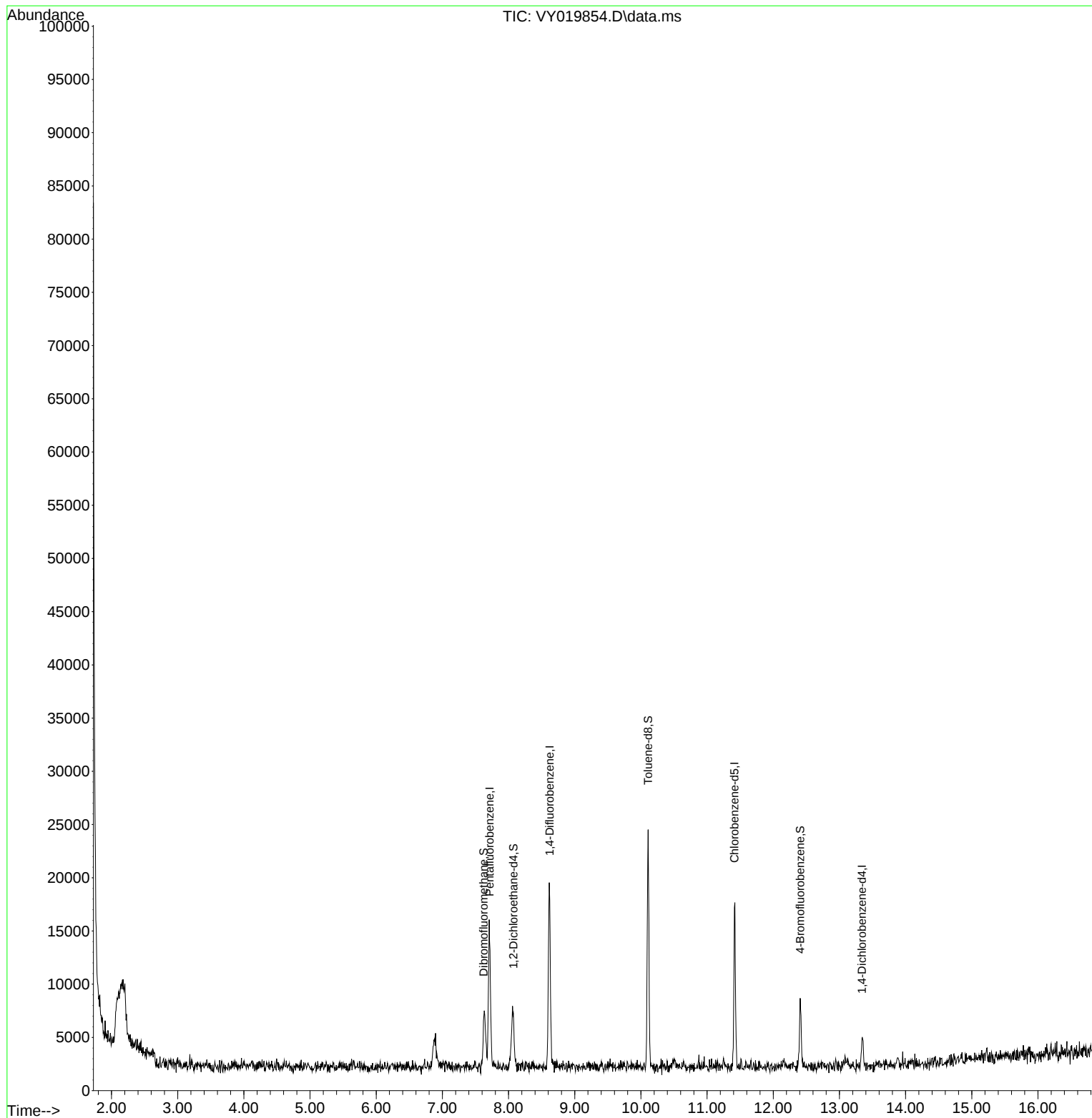
Target Compounds	Qvalue

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

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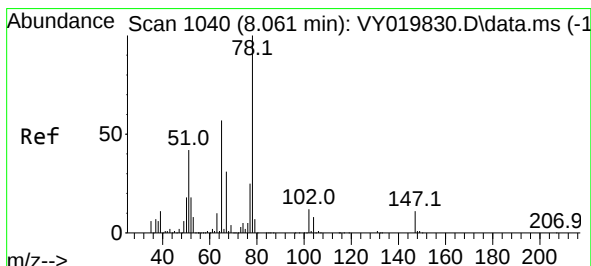
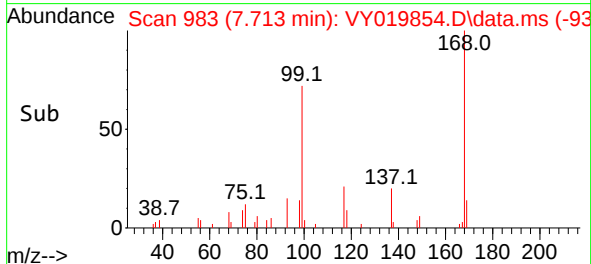
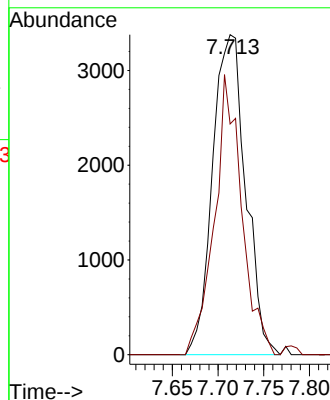
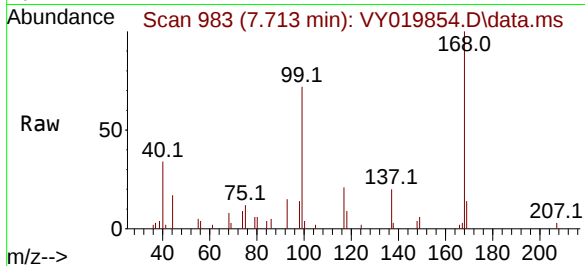




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019854.D
Acq: 10 Oct 2024 15:17

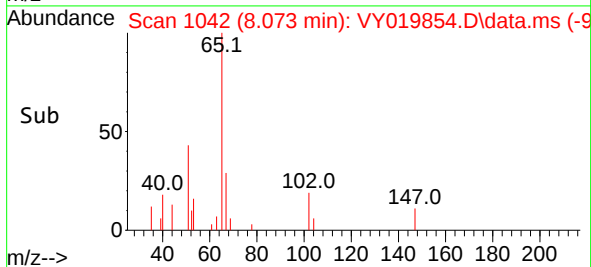
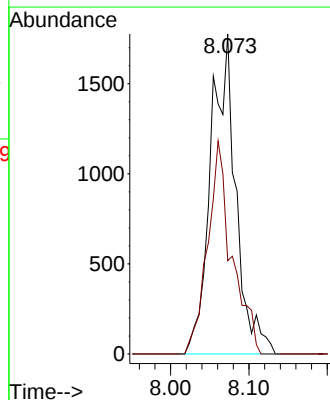
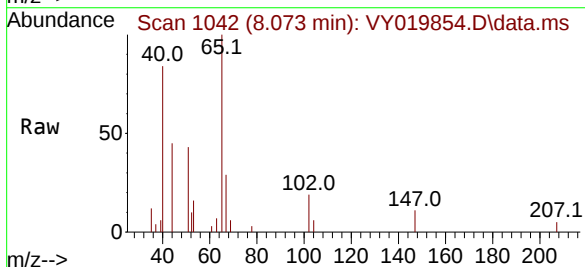
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-4.5-5.0

Tgt Ion:168 Resp: 8525
Ion Ratio Lower Upper
168 100
99 72.1 52.6 78.8



#33
1,2-Dichloroethane-d4
Concen: 37.821 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY019854.D
Acq: 10 Oct 2024 15:17

Tgt Ion: 65 Resp: 3970
Ion Ratio Lower Upper
65 100
67 63.9 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY019854.D

Acq: 10 Oct 2024 15:17

Instrument :

MSVOA_Y

ClientSampleId :

SB-02-4.5-5.0

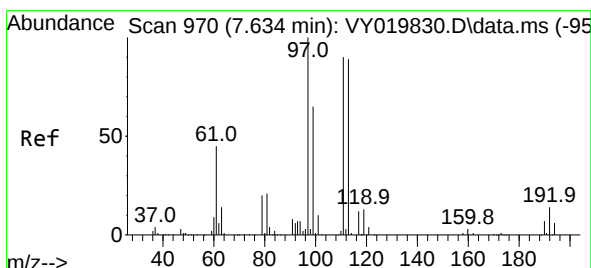
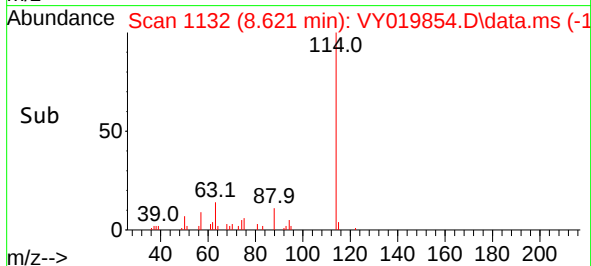
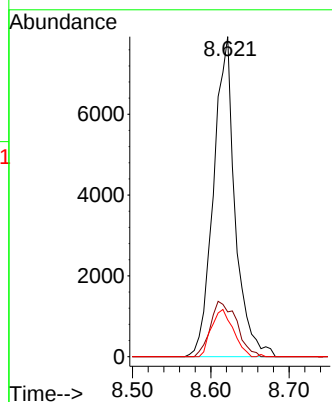
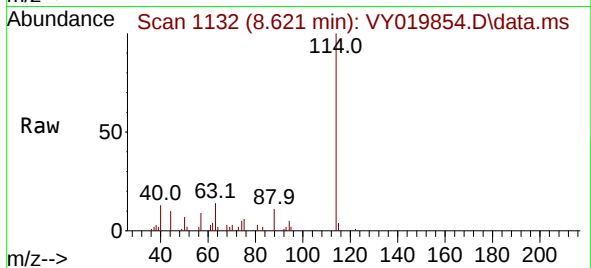
Tgt Ion:114 Resp: 15146

Ion Ratio Lower Upper

114 100

63 14.0 0.0 43.8

88 11.5 0.0 32.0



#35

Dibromofluoromethane

Concen: 43.643 ug/l

RT: 7.622 min Scan# 968

Delta R.T. -0.012 min

Lab File: VY019854.D

Acq: 10 Oct 2024 15:17

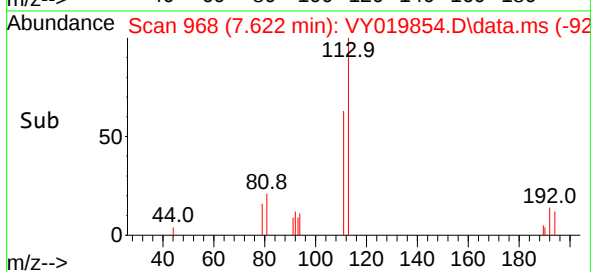
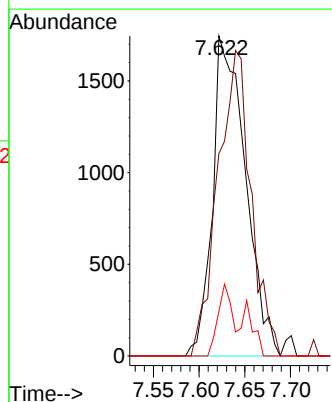
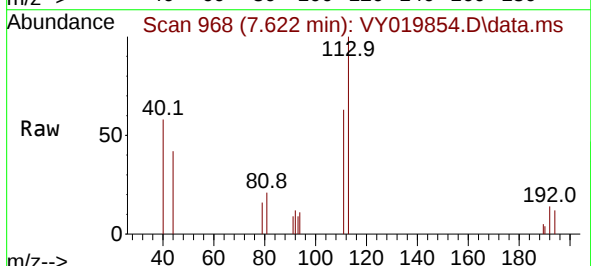
Tgt Ion:113 Resp: 4362

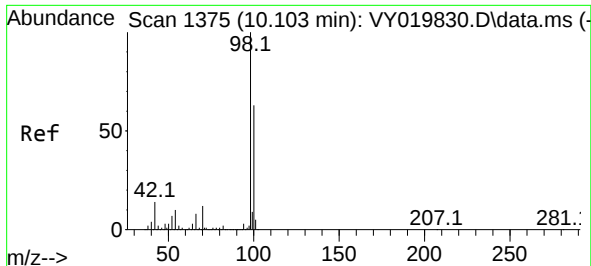
Ion Ratio Lower Upper

113 100

111 0.0 82.9 124.3#

192 9.7 13.6 20.4#

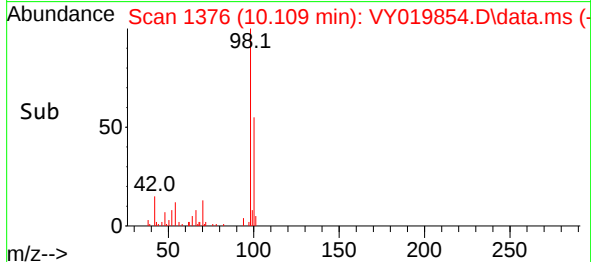
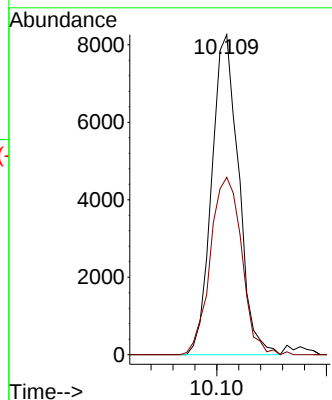
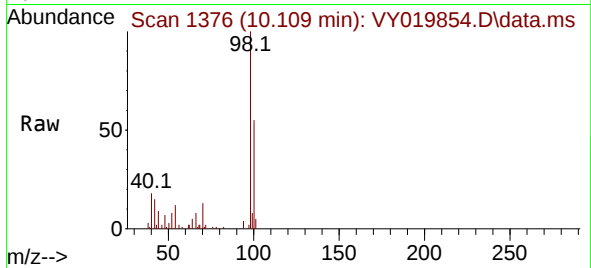




#50
Toluene-d8
Concen: 38.167 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY019854.D
Acq: 10 Oct 2024 15:17

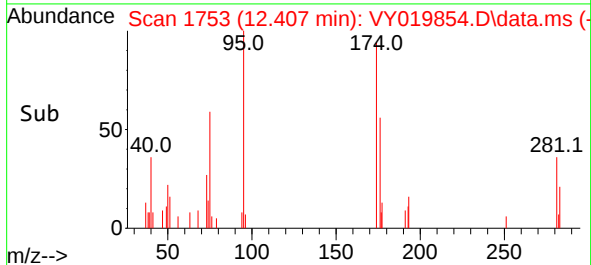
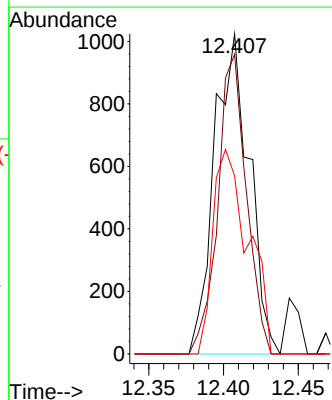
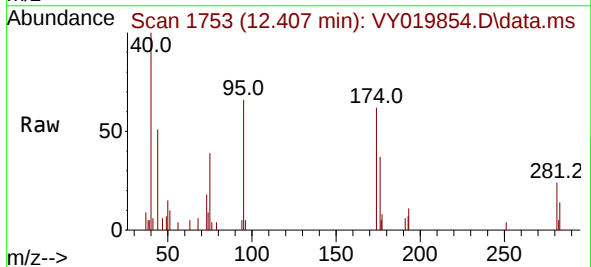
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-4.5-5.0

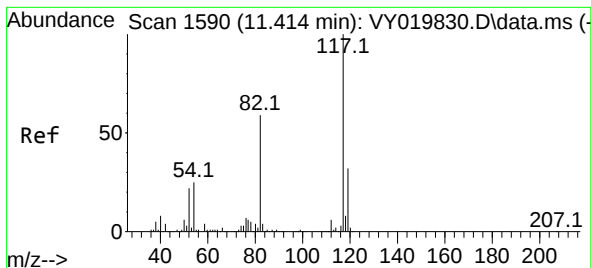
Tgt Ion: 98 Resp: 14087
Ion Ratio Lower Upper
98 100
100 64.7 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 12.432 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019854.D
Acq: 10 Oct 2024 15:17

Tgt Ion: 95 Resp: 1658
Ion Ratio Lower Upper
95 100
174 76.8 0.0 148.0
176 64.7 0.0 142.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY019854.D

Acq: 10 Oct 2024 15:17

Instrument :

MSVOA_Y

ClientSampleId :

SB-02-4.5-5.0

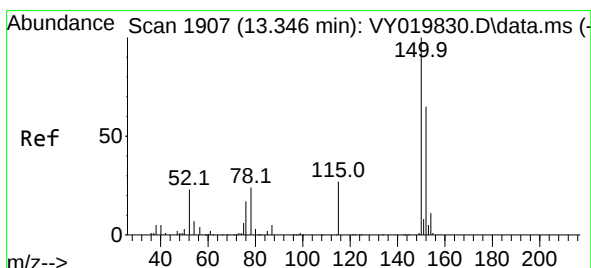
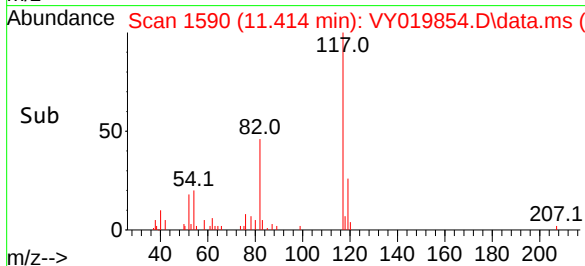
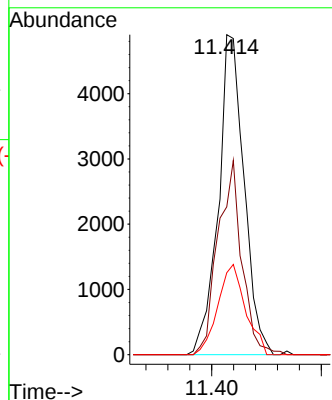
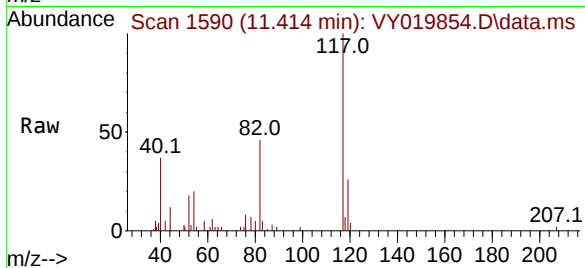
Tgt Ion:117 Resp: 8002

Ion Ratio Lower Upper

117 100

82 46.2 46.9 70.3#

119 25.6 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY019854.D

Acq: 10 Oct 2024 15:17

Tgt Ion:152 Resp: 938

Ion Ratio Lower Upper

152 100

115 63.8 30.8 92.3

150 149.3 0.0 352.8

