

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082724\
 Data File : VY019289.D
 Acq On : 27 Aug 2024 16:25
 Operator : SY/MD
 Sample : P3707-04RE
 Misc : 4.45g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-929-K1-SO-0.5-1-082024RE

Quant Time: Aug 28 01:46:24 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	73789	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	125241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	99328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	27783	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.054	65	38329	51.819	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.640%
35) Dibromofluoromethane	7.622	113	39688	48.465	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.940%
50) Toluene-d8	10.103	98	138131	46.873	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.740%
62) 4-Bromofluorobenzene	12.407	95	31811	31.665	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	63.340%

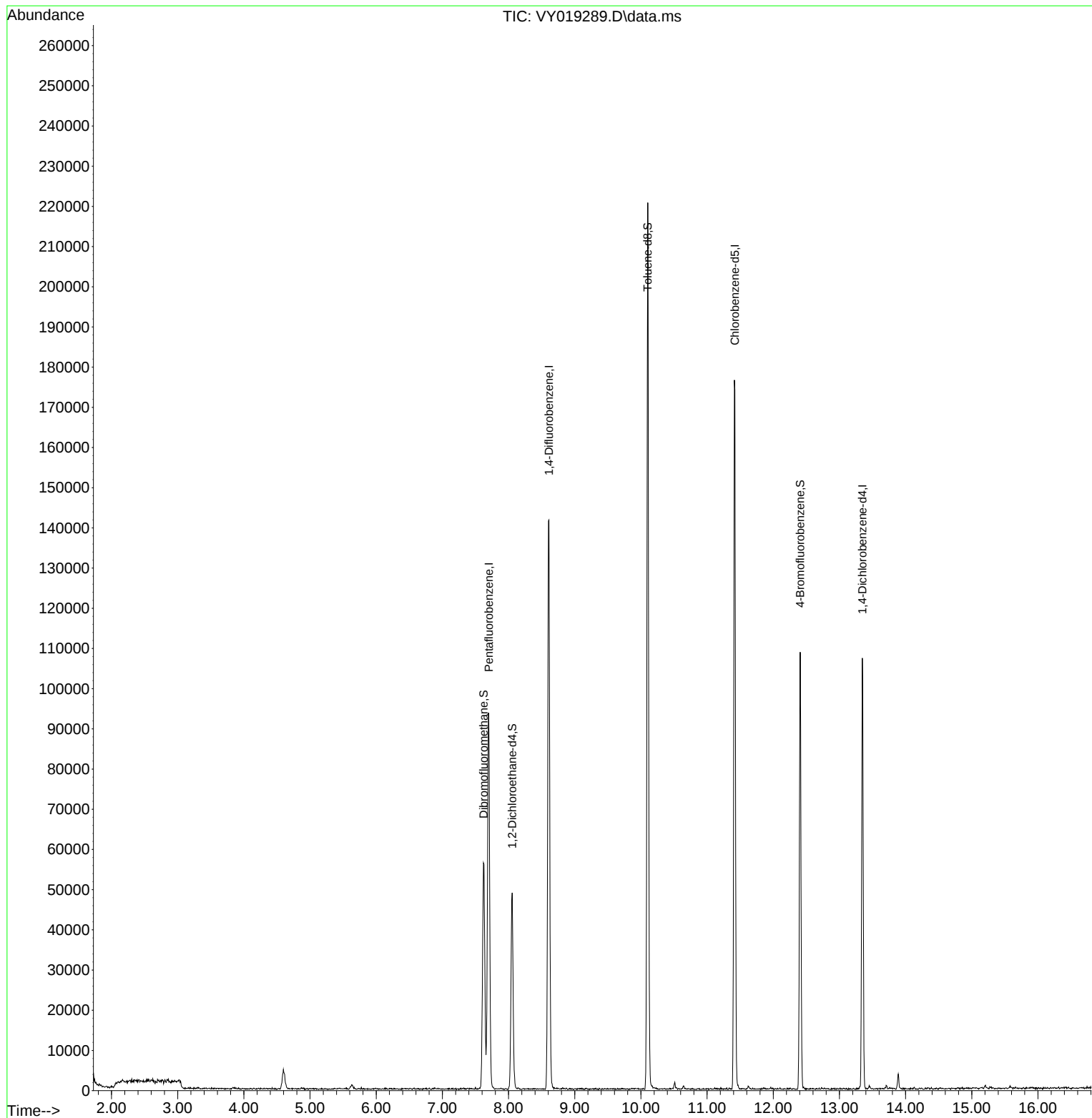
Target Compounds	Qvalue

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

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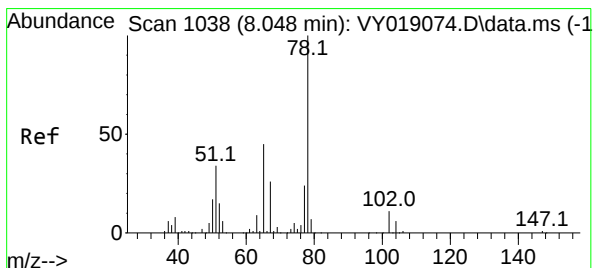
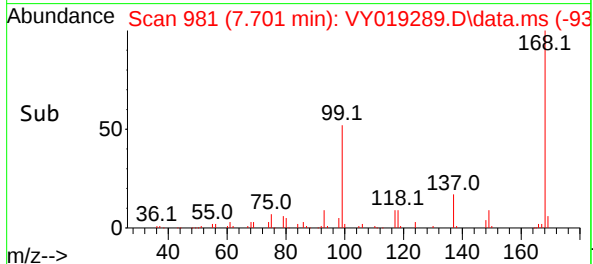
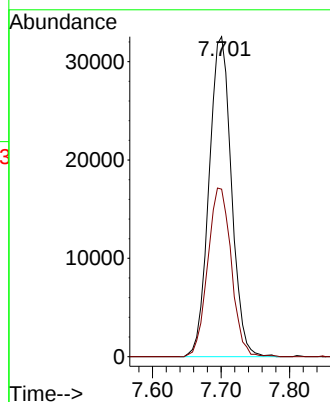
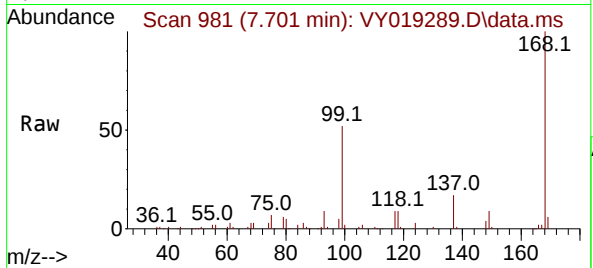




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019289.D
Acq: 27 Aug 2024 16:25

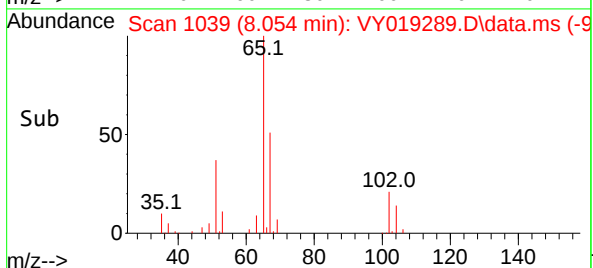
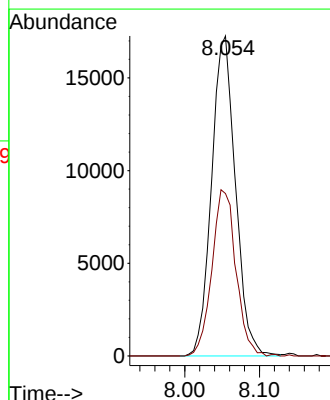
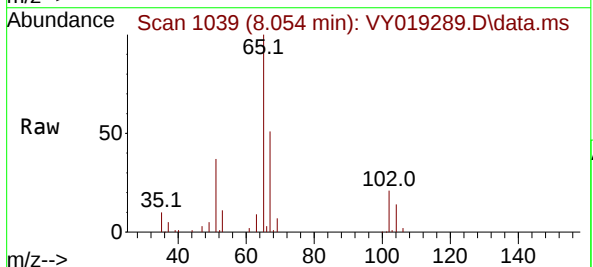
Instrument :
MSVOA_Y
ClientSampleId :
S-929-K1-SO-0.5-1-082024RE

Tgt Ion:168 Resp: 73789
Ion Ratio Lower Upper
168 100
99 52.3 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 51.819 ug/l
RT: 8.054 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY019289.D
Acq: 27 Aug 2024 16:25

Tgt Ion: 65 Resp: 38329
Ion Ratio Lower Upper
65 100
67 52.2 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: VY019289.D

Acq: 27 Aug 2024 16:25

Instrument :

MSVOA_Y

ClientSampleId :

S-929-K1-SO-0.5-1-082024RE

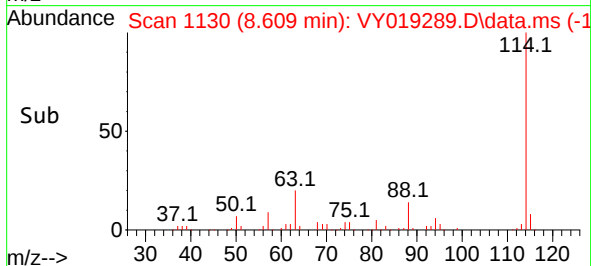
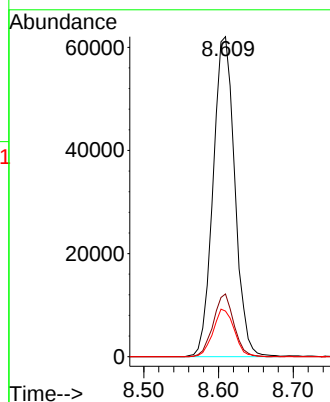
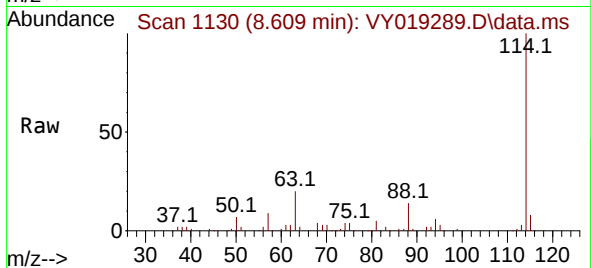
Tgt Ion:114 Resp: 125241

Ion Ratio Lower Upper

114 100

63 19.6 0.0 35.0

88 14.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.465 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY019289.D

Acq: 27 Aug 2024 16:25

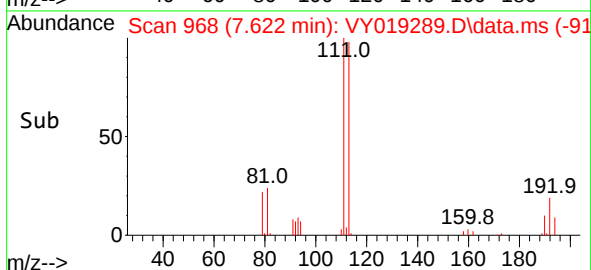
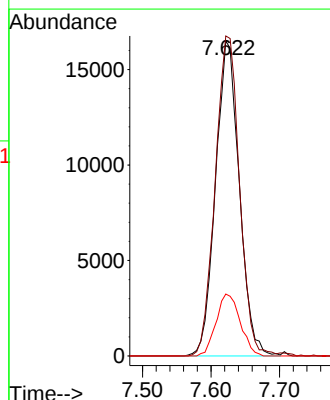
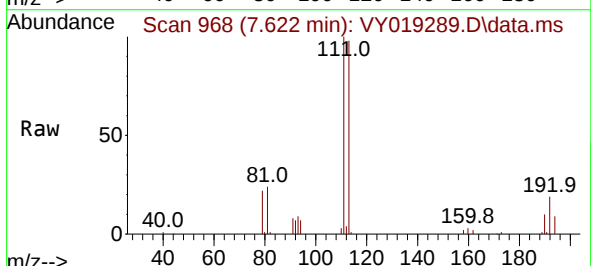
Tgt Ion:113 Resp: 39688

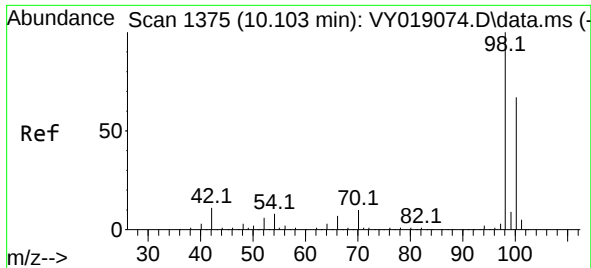
Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.4

192 19.9 15.9 23.9

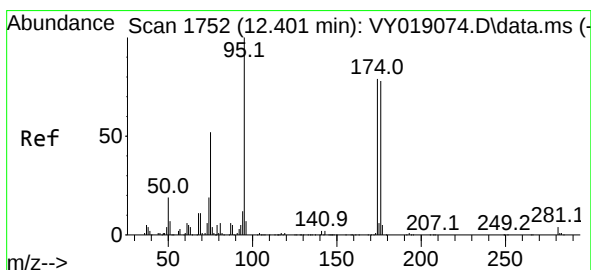
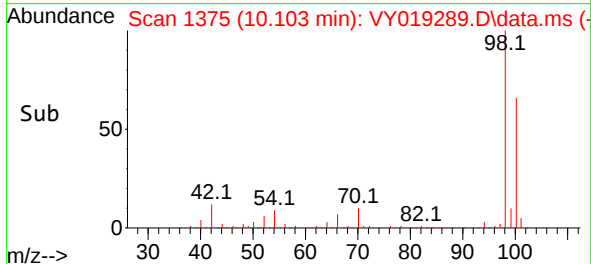
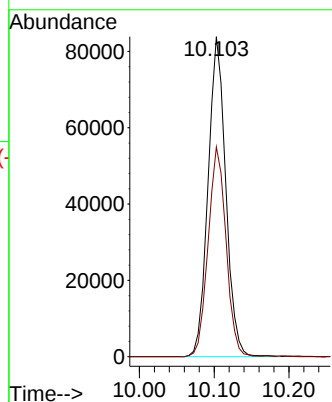
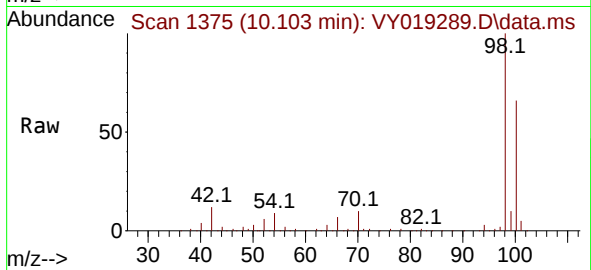




#50
Toluene-d8
Concen: 46.873 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019289.D
Acq: 27 Aug 2024 16:25

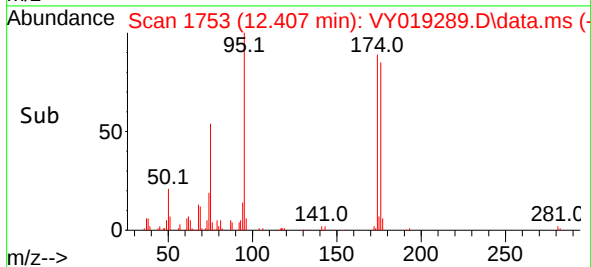
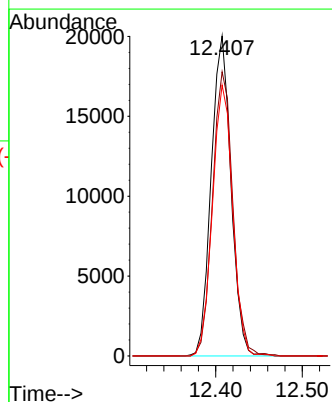
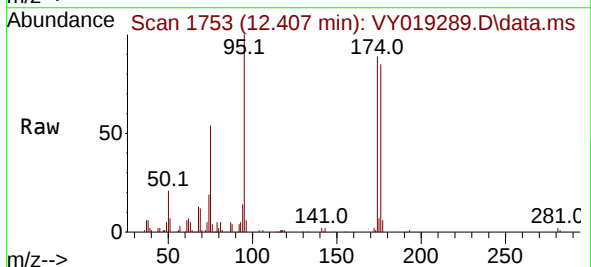
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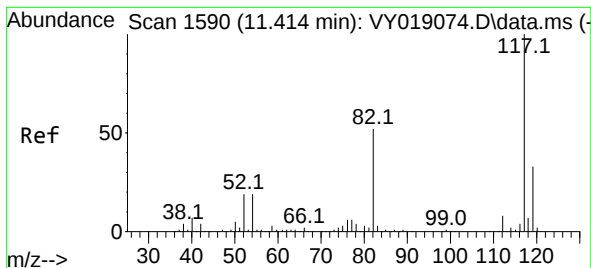
Tgt Ion: 98 Resp: 138131
Ion Ratio Lower Upper
98 100
100 66.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 31.665 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019289.D
Acq: 27 Aug 2024 16:25

Tgt Ion: 95 Resp: 31811
Ion Ratio Lower Upper
95 100
174 90.9 0.0 175.6
176 86.5 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: VY019289.D

Acq: 27 Aug 2024 16:25

Instrument :

MSVOA_Y

ClientSampleId :

S-929-K1-SO-0.5-1-082024RE

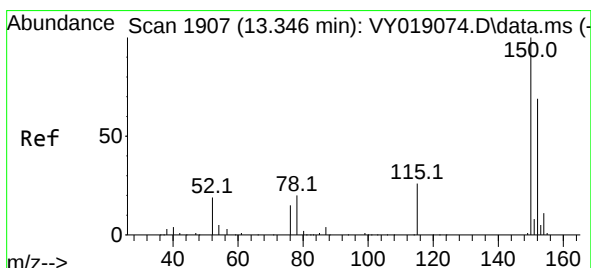
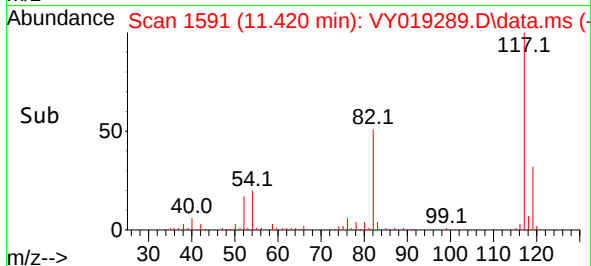
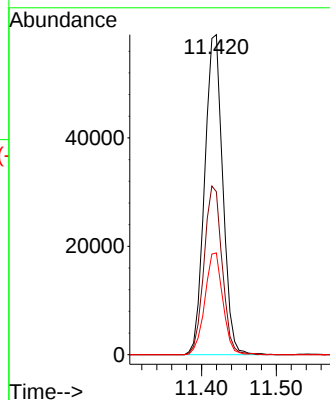
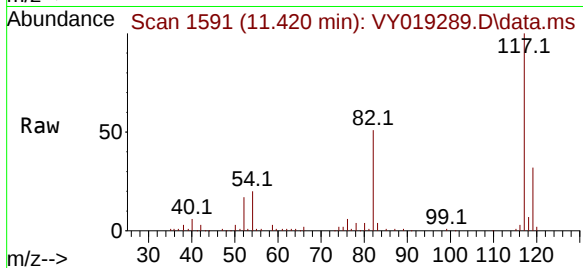
Tgt Ion:117 Resp: 99328

Ion Ratio Lower Upper

117 100

82 51.0 42.4 63.6

119 31.8 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: VY019289.D

Acq: 27 Aug 2024 16:25

Tgt Ion:152 Resp: 27783

Ion Ratio Lower Upper

152 100

115 57.7 28.2 84.7

150 152.7 0.0 345.6

