

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122023\
 Data File : VY016737.D
 Acq On : 21 Dec 2023 03:47
 Operator : SY/MD
 Sample : VY1220SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1220SBL01

Quant Time: Dec 21 04:10:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.813	168	132440	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.716	114	247094	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	212574	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	80299	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	81889	67.731	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.460%
35) Dibromofluoromethane	7.746	113	83363	58.896	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.800%
50) Toluene-d8	10.203	98	282641	55.394	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	110.780%
62) 4-Bromofluorobenzene	12.501	95	86409	52.199	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.400%

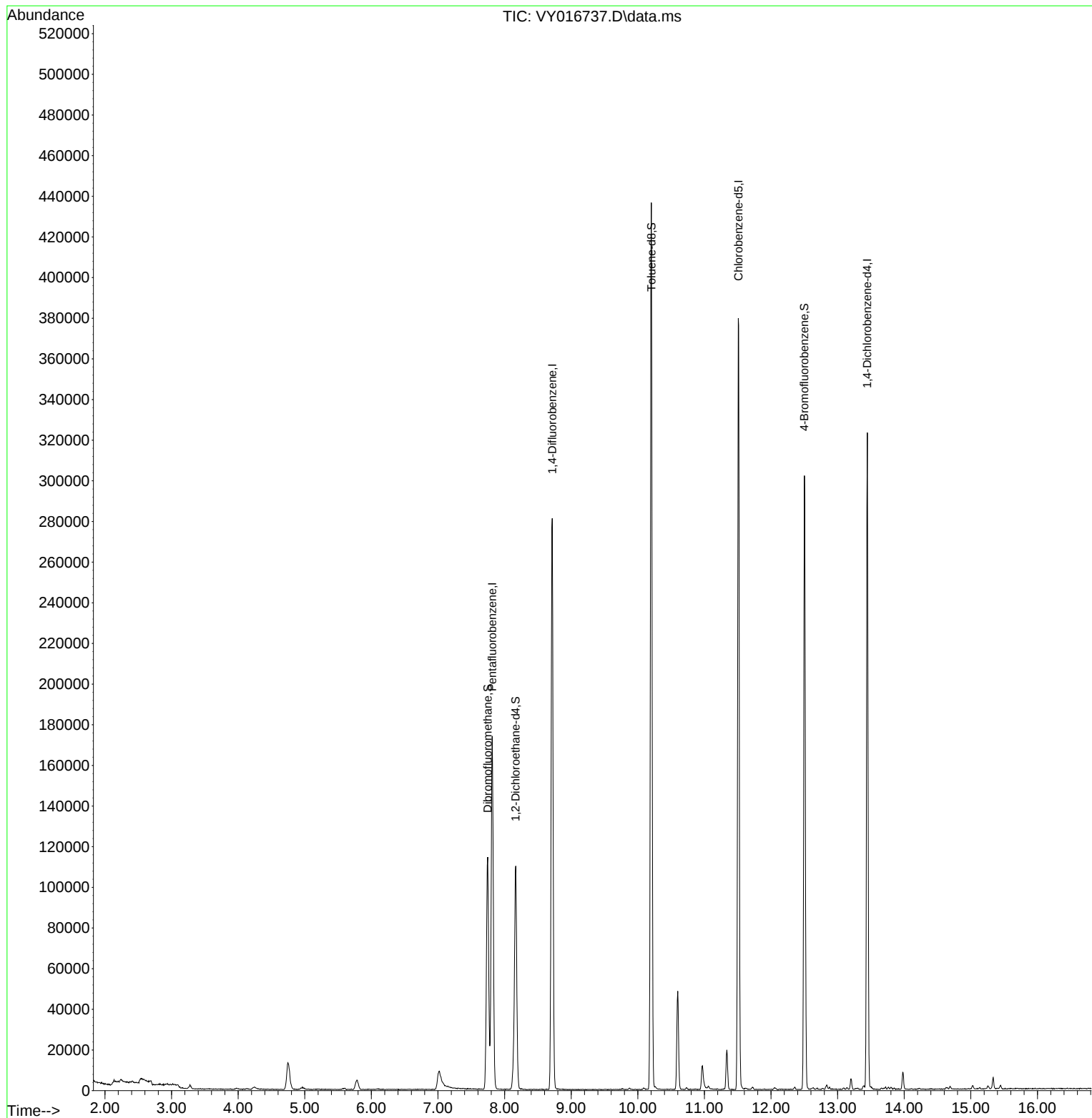
Target Compounds	Qvalue

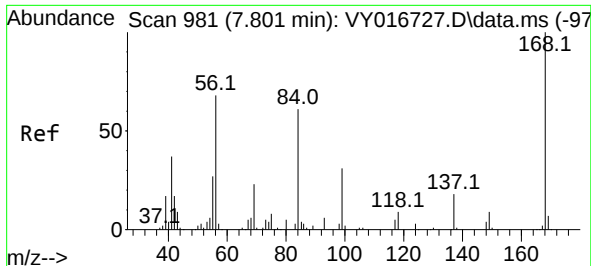
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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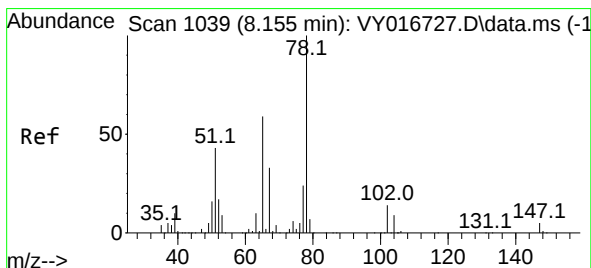
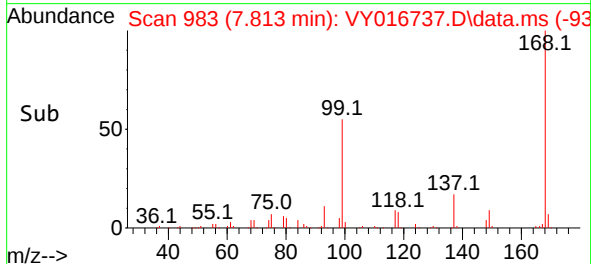
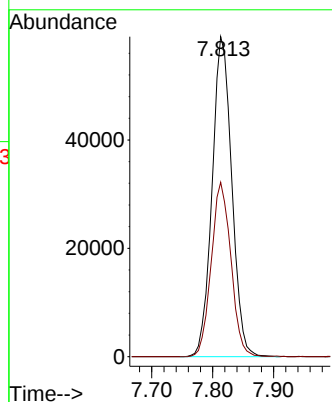
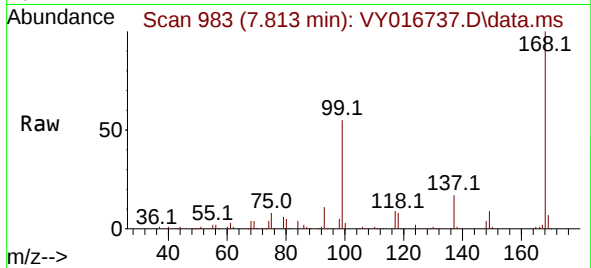




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016737.D
Acq: 21 Dec 2023 03:47

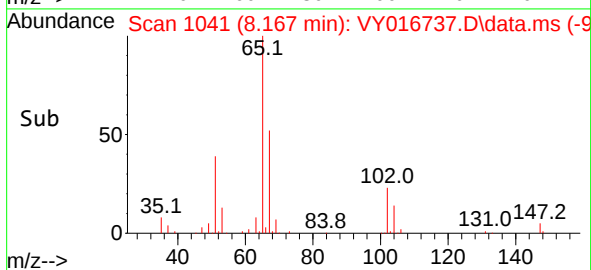
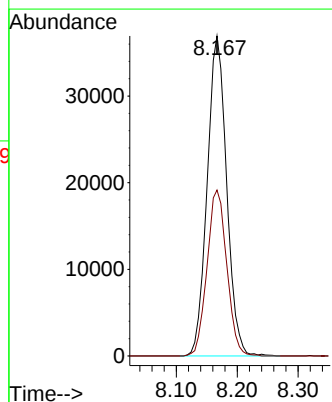
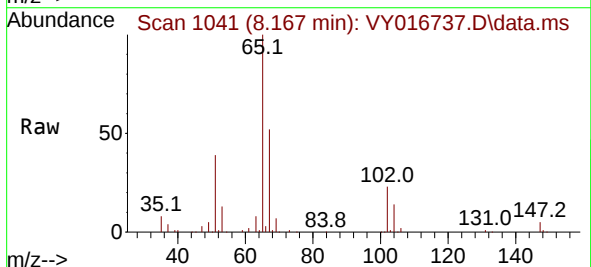
Instrument :
MSVOA_Y
ClientSampleId :
VY1220SBL01

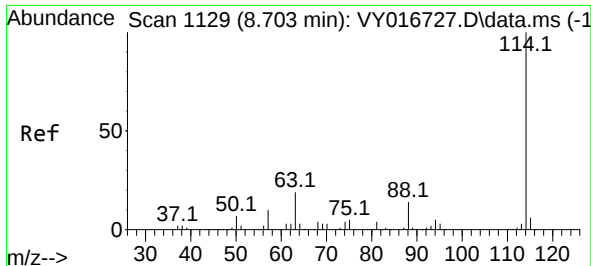
Tgt Ion:168 Resp: 132440
Ion Ratio Lower Upper
168 100
99 54.5 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 67.731 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY016737.D
Acq: 21 Dec 2023 03:47

Tgt Ion: 65 Resp: 81889
Ion Ratio Lower Upper
65 100
67 52.6 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1129

Delta R.T. 0.013 min

Lab File: VY016737.D

Acq: 21 Dec 2023 03:47

Instrument :

MSVOA_Y

ClientSampleId :

VY1220SBL01

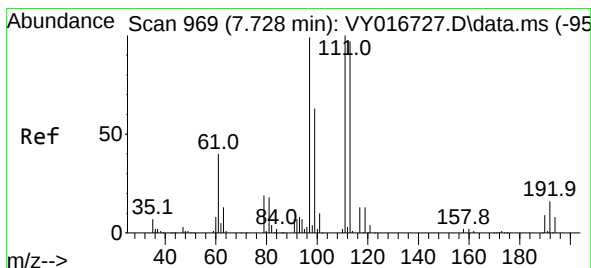
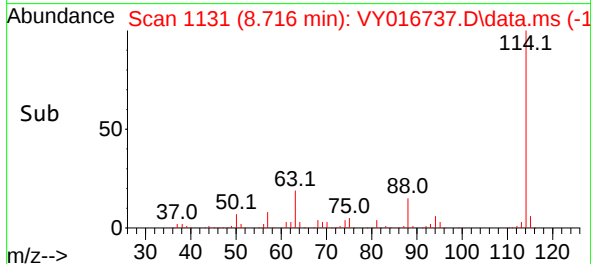
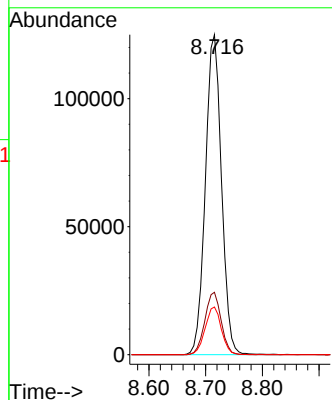
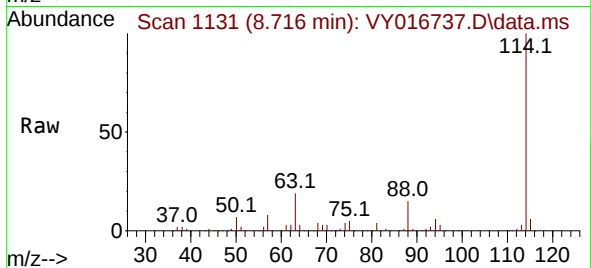
Tgt Ion:114 Resp: 247094

Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.4

88 14.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 58.896 ug/l

RT: 7.746 min Scan# 972

Delta R.T. 0.018 min

Lab File: VY016737.D

Acq: 21 Dec 2023 03:47

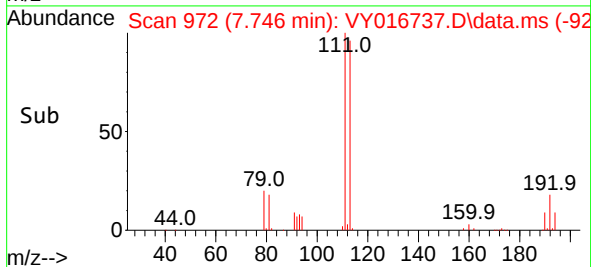
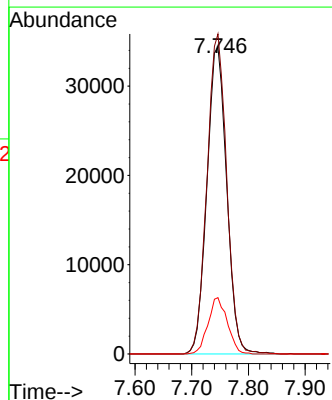
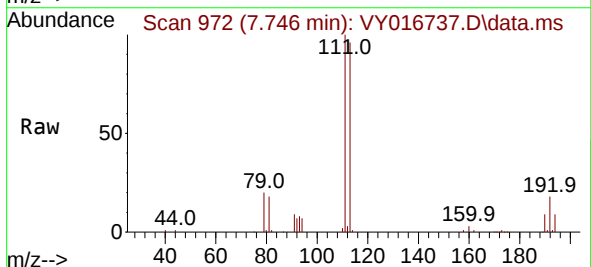
Tgt Ion:113 Resp: 83363

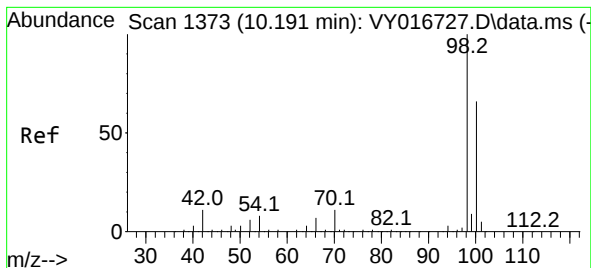
Ion Ratio Lower Upper

113 100

111 103.9 83.8 125.6

192 17.9 14.5 21.7





#50

Toluene-d8

Concen: 55.394 ug/l

RT: 10.203 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY016737.D

Acq: 21 Dec 2023 03:47

Instrument :

MSVOA_Y

ClientSampleId :

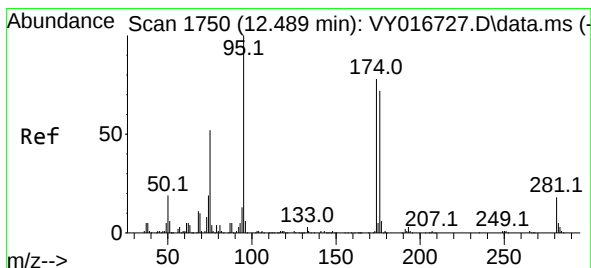
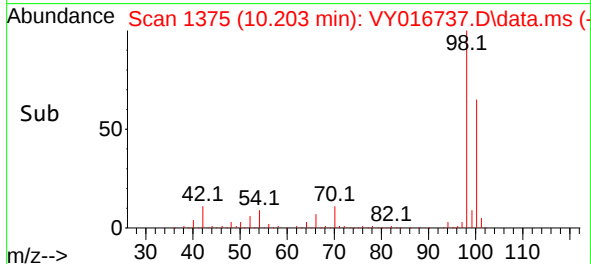
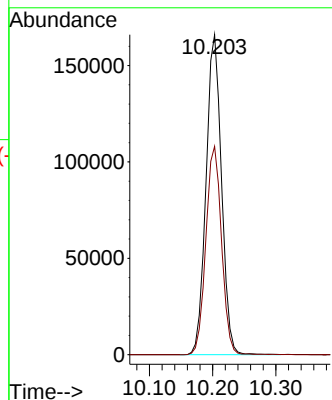
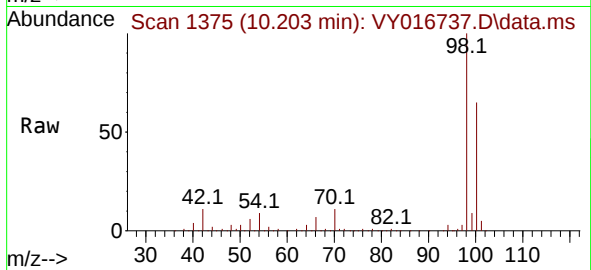
VY1220SBL01

Tgt Ion: 98 Resp: 282641

Ion Ratio Lower Upper

98 100

100 66.0 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 52.199 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. 0.012 min

Lab File: VY016737.D

Acq: 21 Dec 2023 03:47

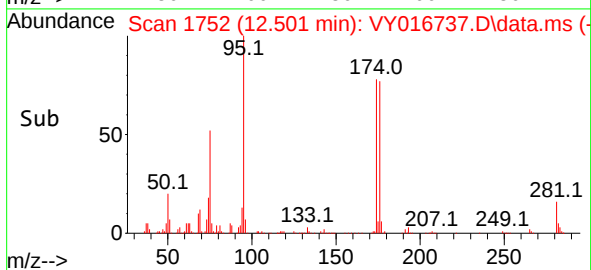
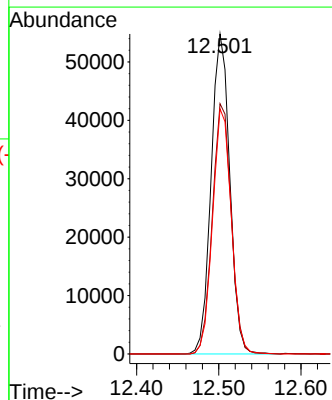
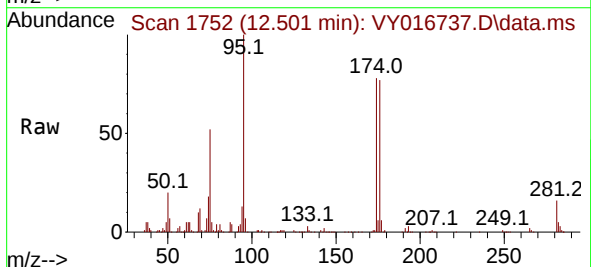
Tgt Ion: 95 Resp: 86409

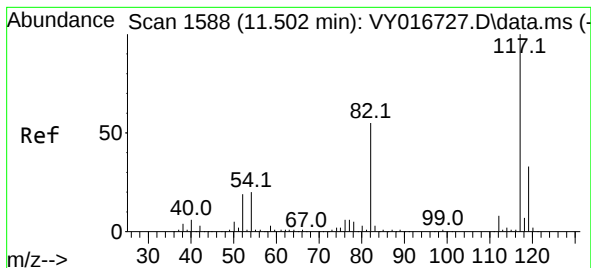
Ion Ratio Lower Upper

95 100

174 79.0 0.0 160.0

176 76.9 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.514 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY016737.D

Acq: 21 Dec 2023 03:47

Instrument :

MSVOA_Y

ClientSampleId :

VY1220SBL01

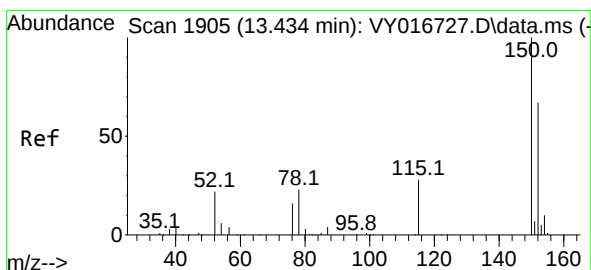
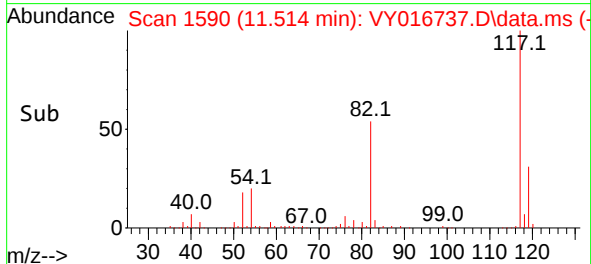
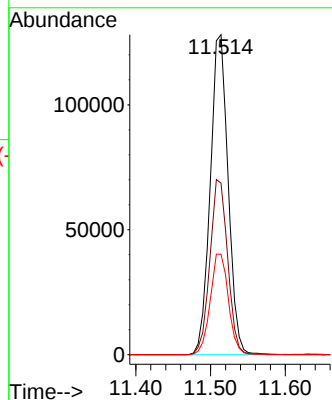
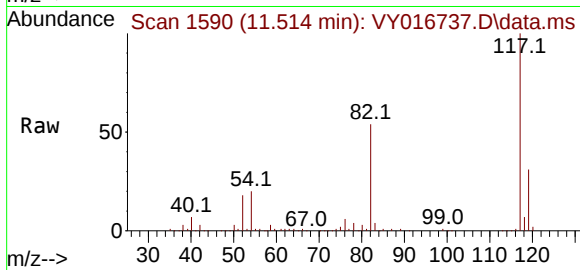
Tgt Ion:117 Resp: 212574

Ion Ratio Lower Upper

117 100

82 53.6 43.8 65.8

119 31.4 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.012 min

Lab File: VY016737.D

Acq: 21 Dec 2023 03:47

Tgt Ion:152 Resp: 80299

Ion Ratio Lower Upper

152 100

115 58.5 30.0 90.0

150 156.9 0.0 344.6

