

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040424\
 Data File : VY017857.D
 Acq On : 04 Apr 2024 17:26
 Operator : SY/MD
 Sample : P1996-07
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP3

Quant Time: Apr 05 00:49:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032924S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 05:58:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	1615	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	1426	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	1011	124.158	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	248.320%#
35) Dibromofluoromethane	7.728	113	110	11.787	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	23.580%#
50) Toluene-d8	10.191	98	1627	46.673	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.340%
62) 4-Bromofluorobenzene	12.495	95	150	14.143	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	28.280%#

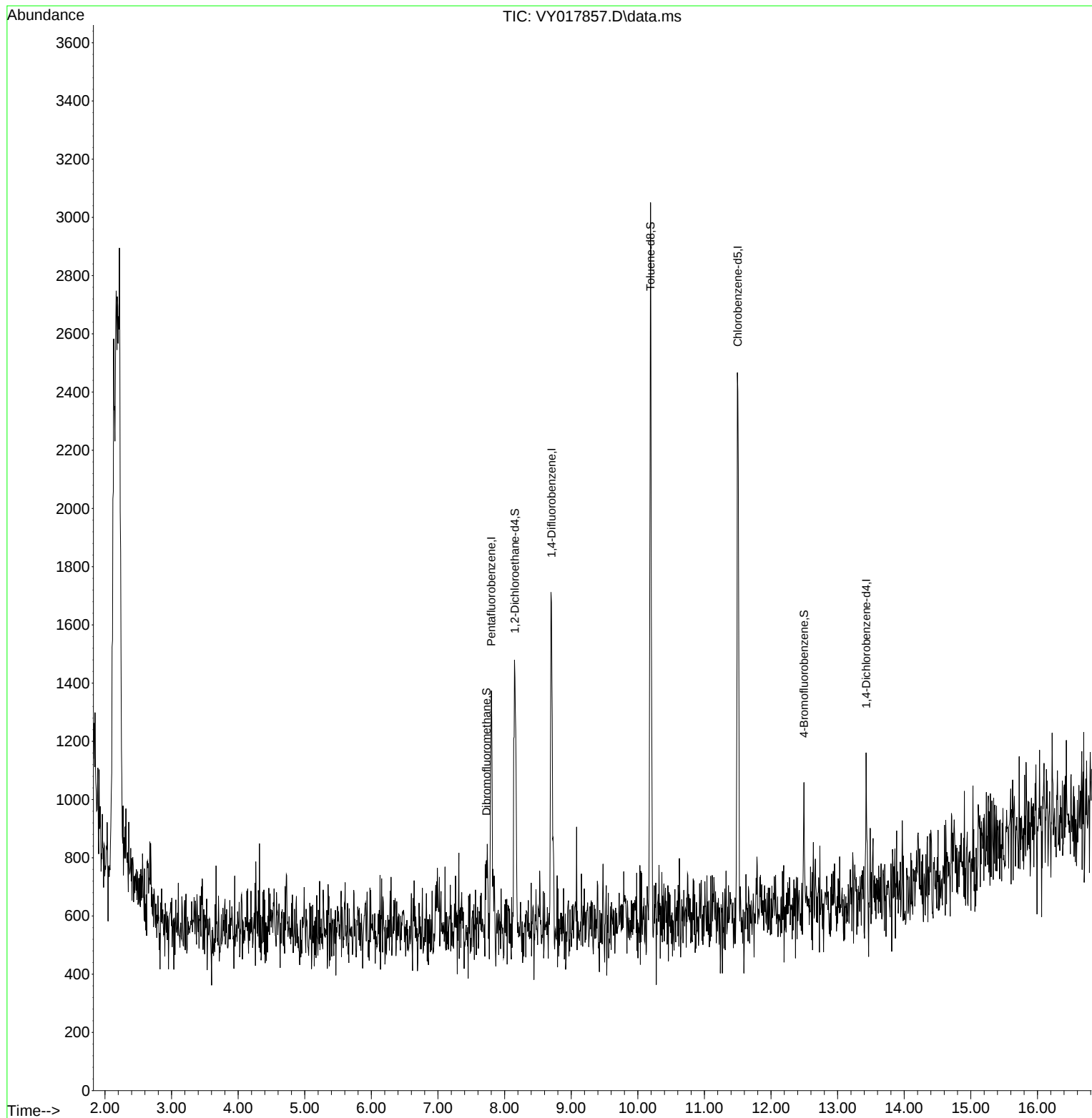
Target Compounds	Qvalue

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

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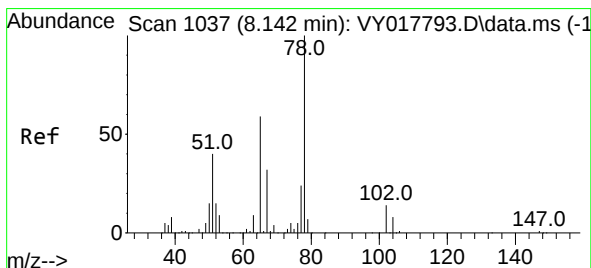
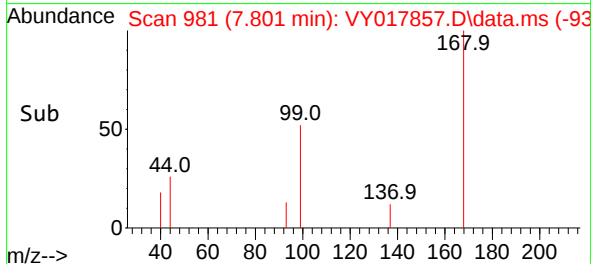
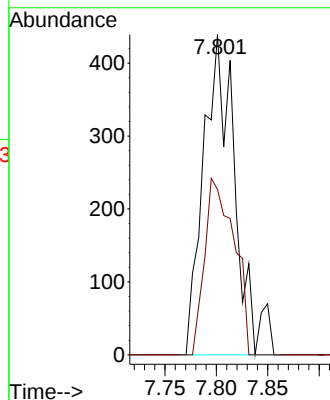
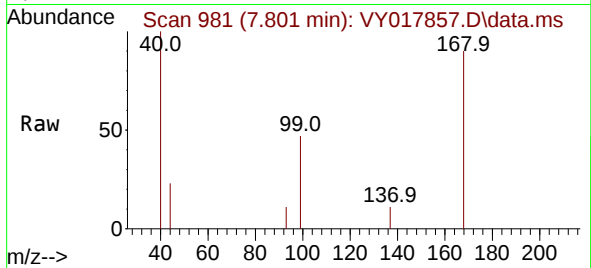




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017857.D
Acq: 04 Apr 2024 17:26

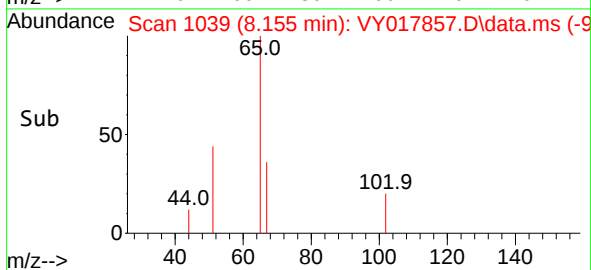
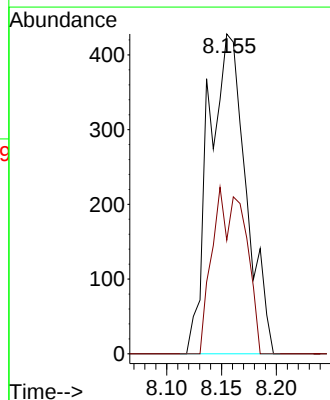
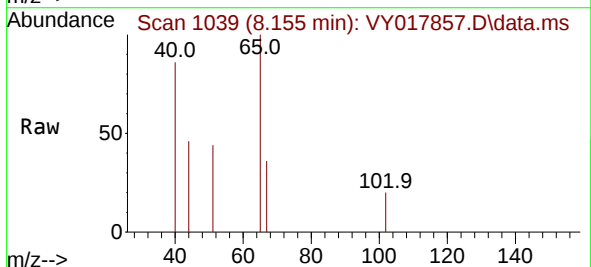
Instrument :
MSVOA_Y
ClientSampleId :
TP3

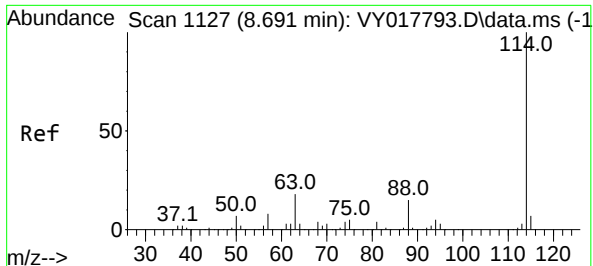
Tgt Ion:168 Resp: 941
Ion Ratio Lower Upper
168 100
99 51.7 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 124.158 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.012 min
Lab File: VY017857.D
Acq: 04 Apr 2024 17:26

Tgt Ion: 65 Resp: 1011
Ion Ratio Lower Upper
65 100
67 22.3 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1127

Delta R.T. 0.012 min

Lab File: VY017857.D

Acq: 04 Apr 2024 17:26

Instrument :

MSVOA_Y

ClientSampleId :

TP3

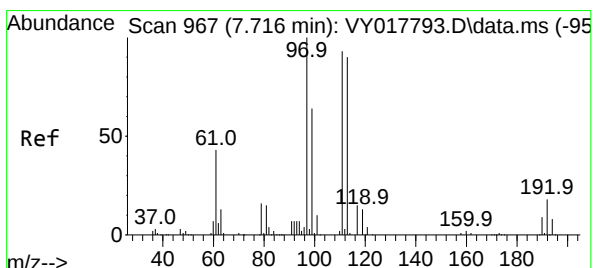
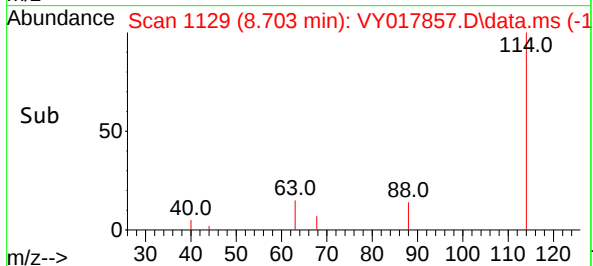
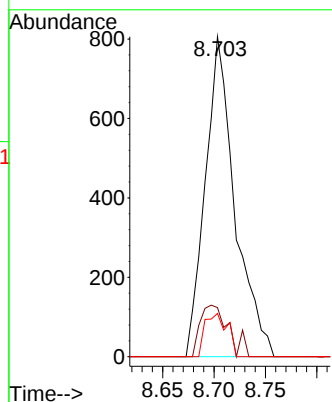
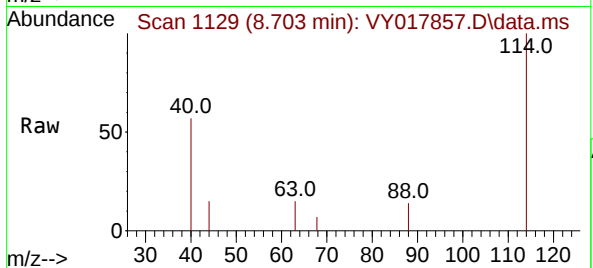
Tgt Ion:114 Resp: 1615

Ion Ratio Lower Upper

114 100

63 15.4 0.0 35.0

88 13.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 11.787 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY017857.D

Acq: 04 Apr 2024 17:26

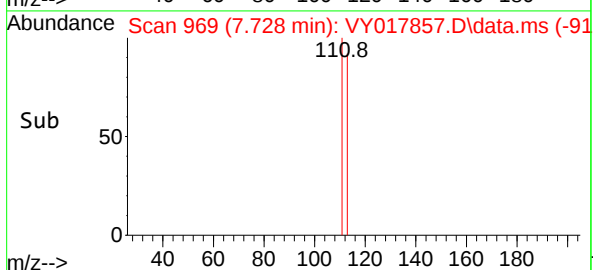
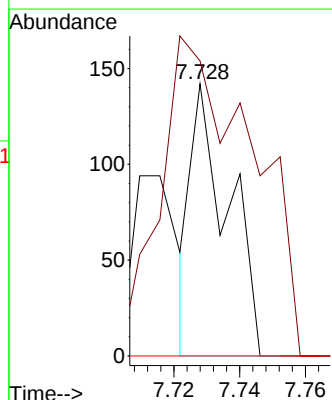
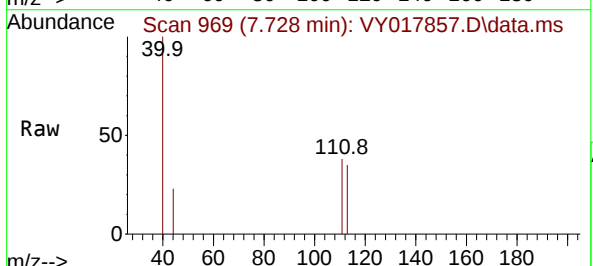
Tgt Ion:113 Resp: 110

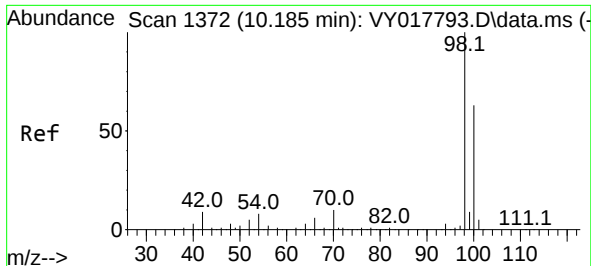
Ion Ratio Lower Upper

113 100

111 294.5 82.2 123.4#

192 0.0 15.9 23.9#





#50

Toluene-d8

Concen: 46.673 ug/l

RT: 10.191 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017857.D

Acq: 04 Apr 2024 17:26

Instrument :

MSVOA_Y

ClientSampleId :

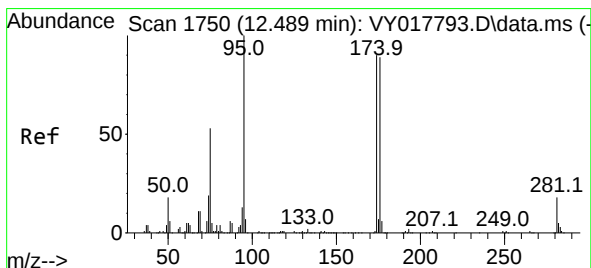
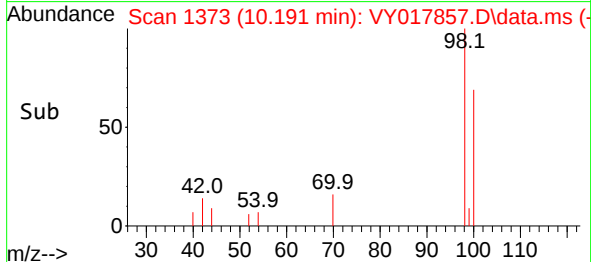
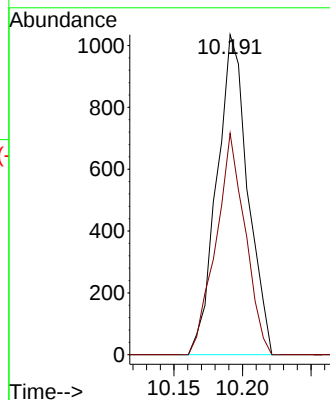
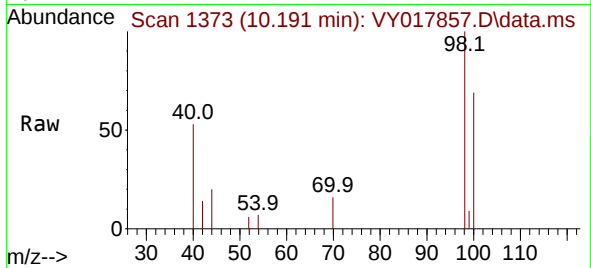
TP3

Tgt Ion: 98 Resp: 1627

Ion Ratio Lower Upper

98 100

100 65.3 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 14.143 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY017857.D

Acq: 04 Apr 2024 17:26

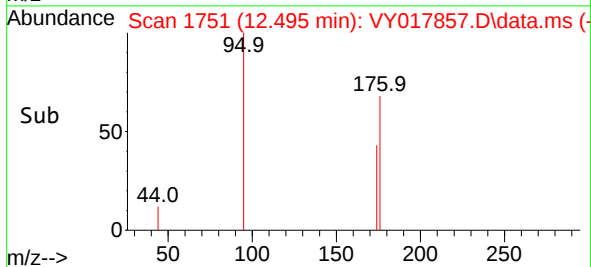
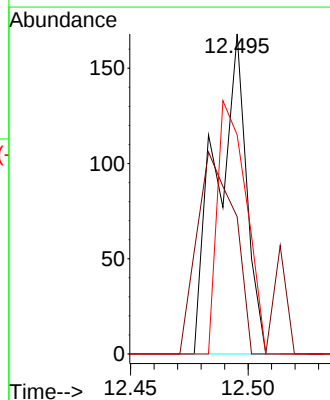
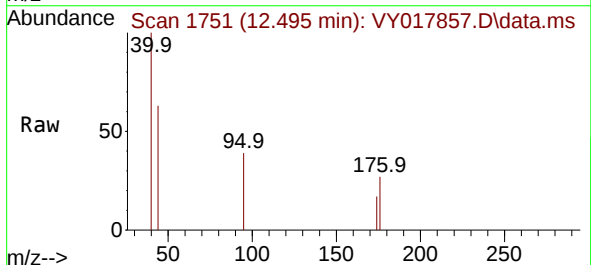
Tgt Ion: 95 Resp: 150

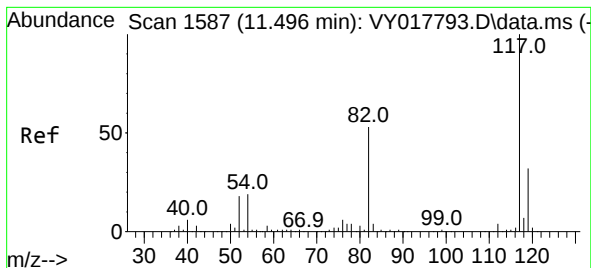
Ion Ratio Lower Upper

95 100

174 78.0 0.0 175.6

176 75.3 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017857.D

Acq: 04 Apr 2024 17:26

Instrument :

MSVOA_Y

ClientSampleId :

TP3

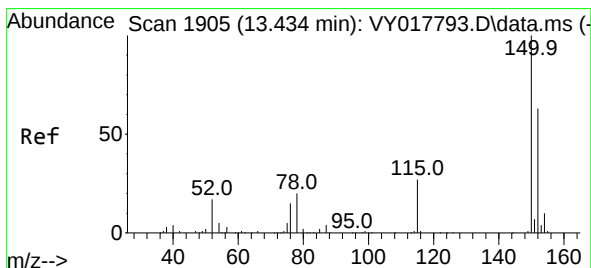
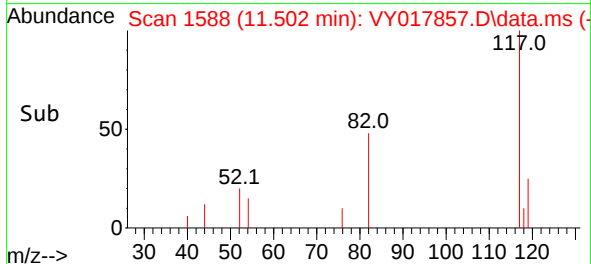
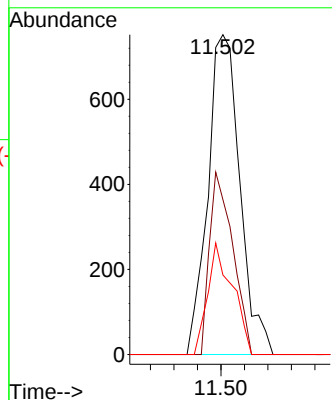
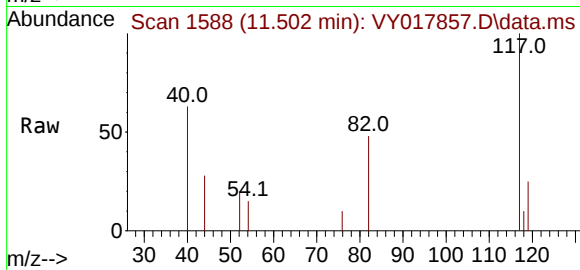
Tgt Ion:117 Resp: 1426

Ion Ratio Lower Upper

117 100

82 48.4 42.4 63.6

119 24.9 25.9 38.9#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY017857.D

Acq: 04 Apr 2024 17:26

Tgt Ion:152 Resp: 106

Ion Ratio Lower Upper

152 100

115 121.7 28.2 84.7#

150 221.7 0.0 345.6

