

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040324\
 Data File : VY017828.D
 Acq On : 03 Apr 2024 11:48
 Operator : SY/MD
 Sample : P1954-01
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR21147

Quant Time: Apr 04 01:09:44 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	187155	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	344876	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.501	117	302967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	110568	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	100233	61.891	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.780%	
35) Dibromofluoromethane	7.734	113	112994	56.700	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.400%	
50) Toluene-d8	10.191	98	401544	53.941	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.880%	
62) 4-Bromofluorobenzene	12.495	95	102740	45.362	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.720%	

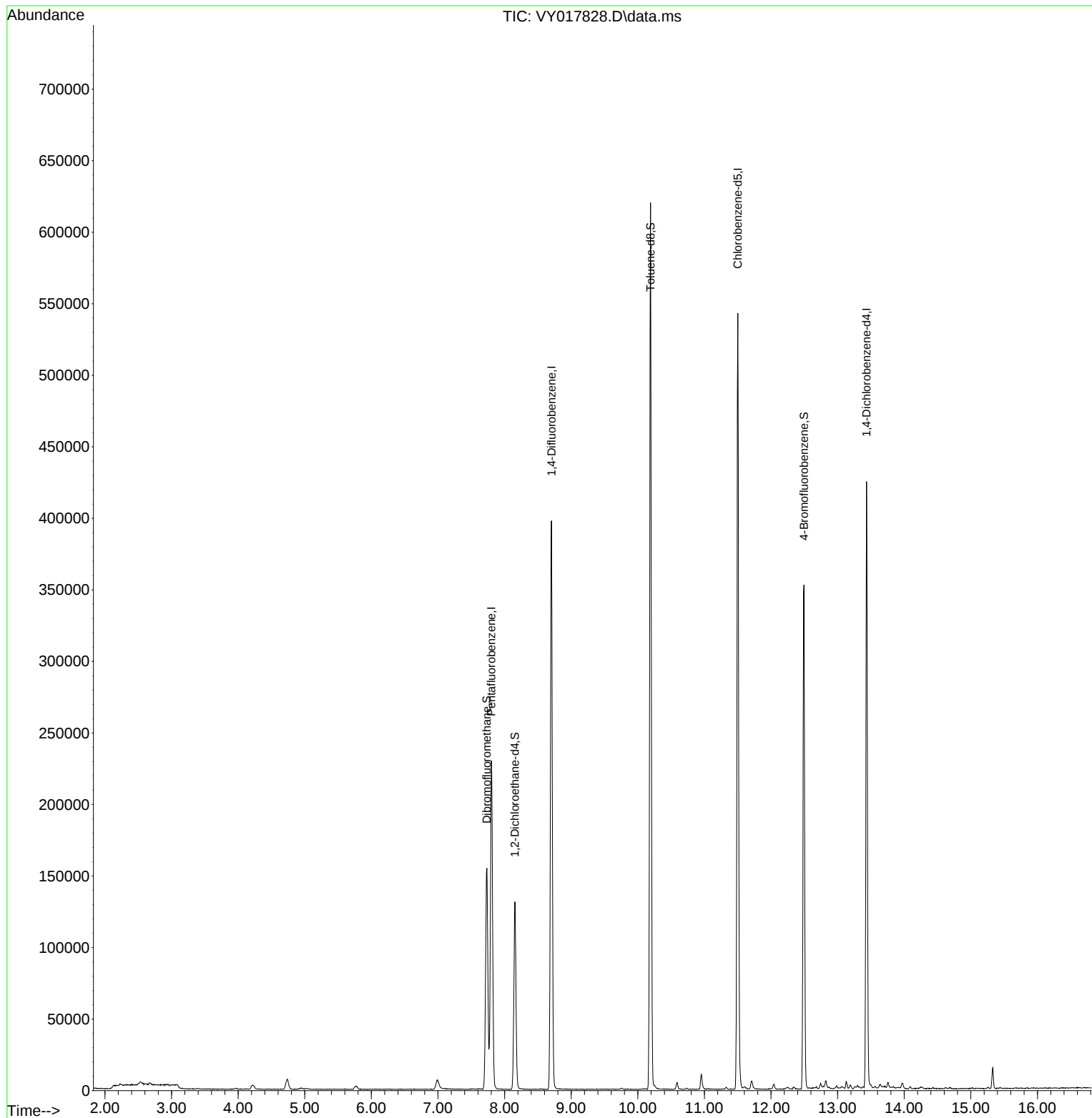
Target Compounds	Qvalue

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

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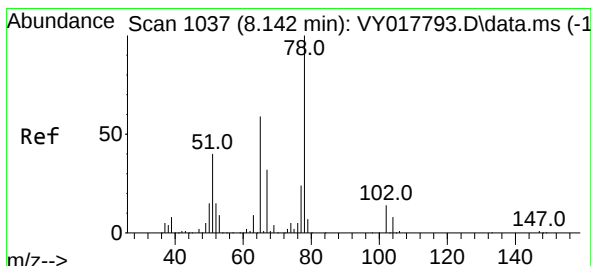
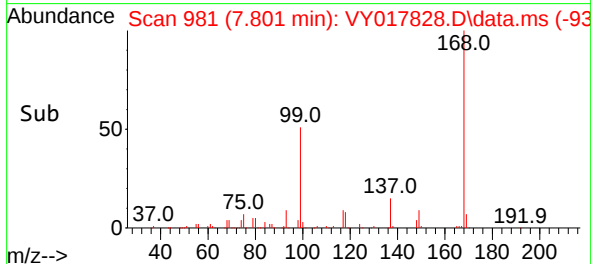
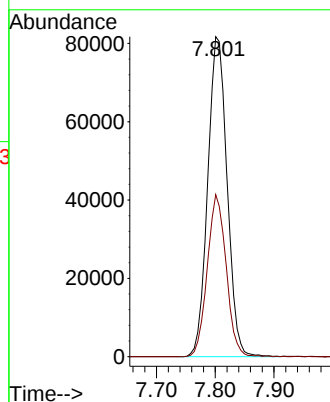
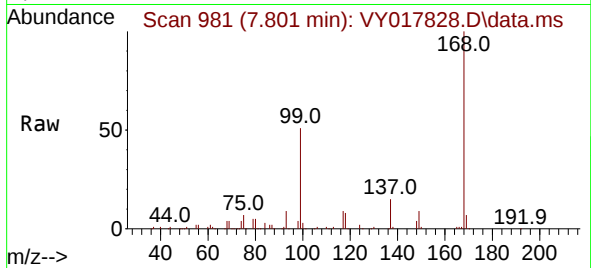




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY017828.D
Acq: 03 Apr 2024 11:48

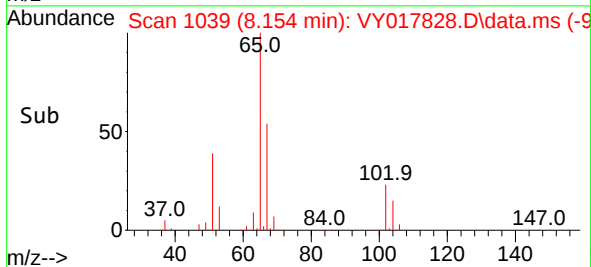
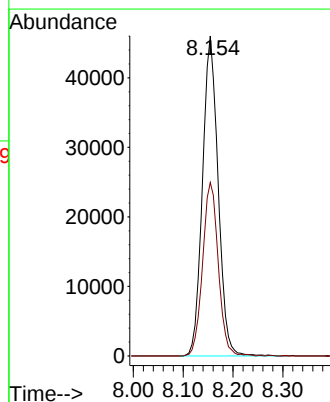
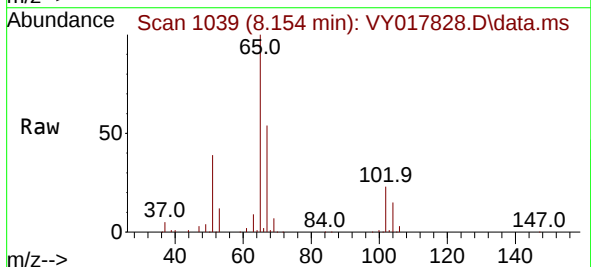
Instrument :
MSVOA_Y
ClientSampleId :
RBR21147

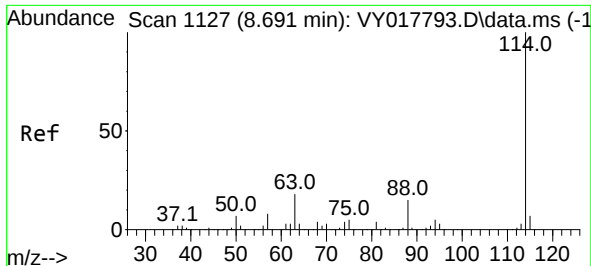
Tgt Ion:168 Resp: 187155
Ion Ratio Lower Upper
168 100
99 50.6 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 61.891 ug/l
RT: 8.154 min Scan# 1039
Delta R.T. 0.012 min
Lab File: VY017828.D
Acq: 03 Apr 2024 11:48

Tgt Ion: 65 Resp: 100233
Ion Ratio Lower Upper
65 100
67 54.3 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: VY017828.D

Acq: 03 Apr 2024 11:48

Instrument :

MSVOA_Y

ClientSampleId :

RBR21147

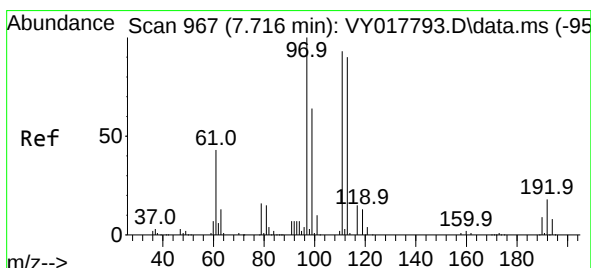
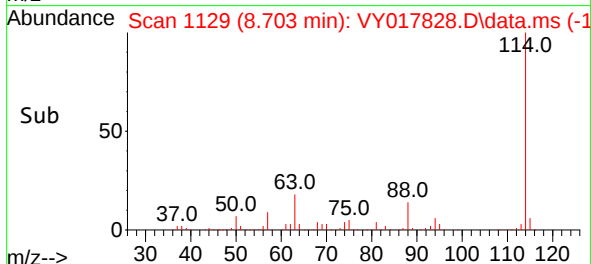
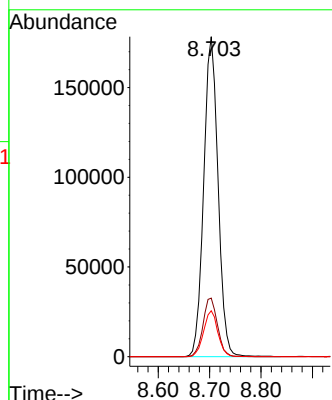
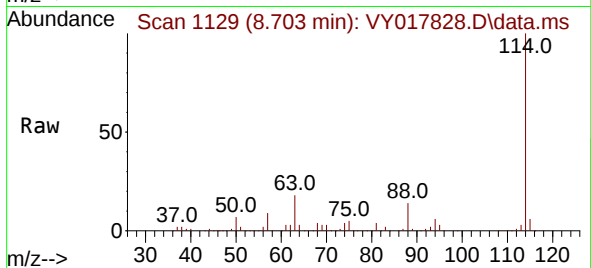
Tgt Ion:114 Resp: 344876

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.0

88 14.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 56.700 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.018 min

Lab File: VY017828.D

Acq: 03 Apr 2024 11:48

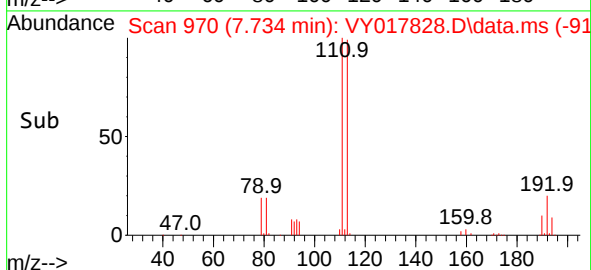
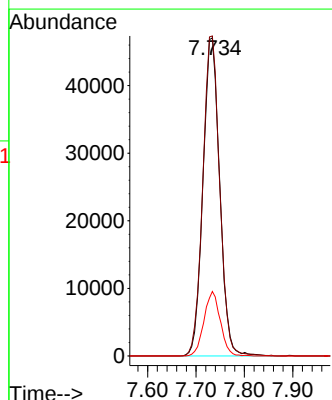
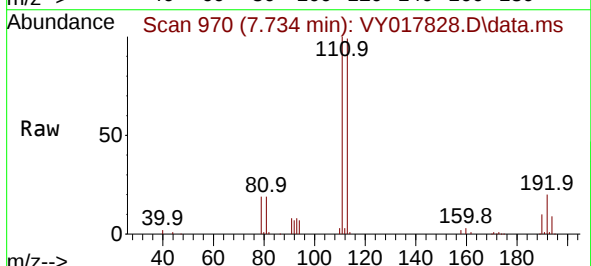
Tgt Ion:113 Resp: 112994

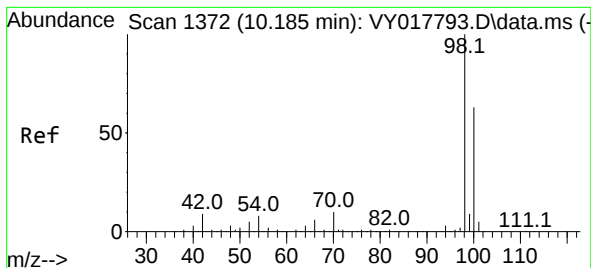
Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

192 19.8 15.9 23.9





#50

Toluene-d8

Concen: 53.941 ug/l

RT: 10.191 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017828.D

Acq: 03 Apr 2024 11:48

Instrument :

MSVOA_Y

ClientSampleId :

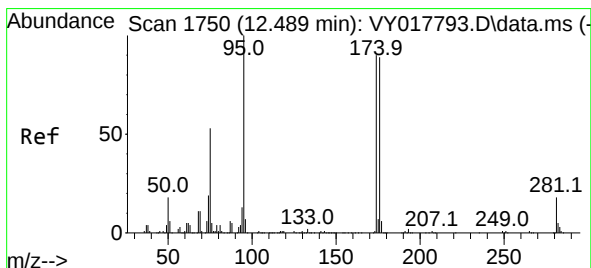
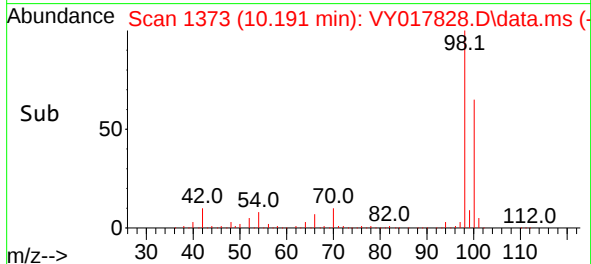
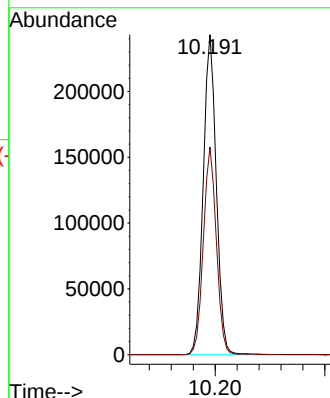
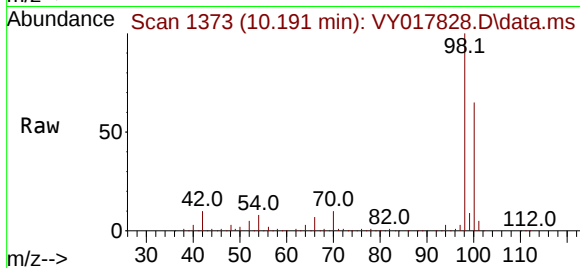
RBR21147

Tgt Ion: 98 Resp: 401544

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 45.362 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY017828.D

Acq: 03 Apr 2024 11:48

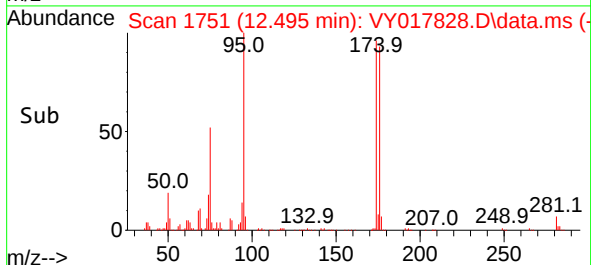
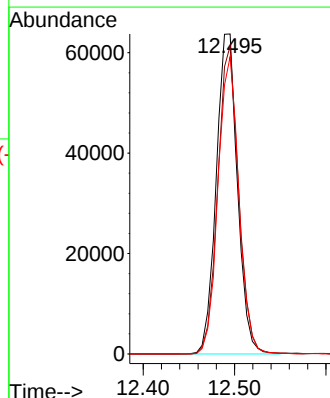
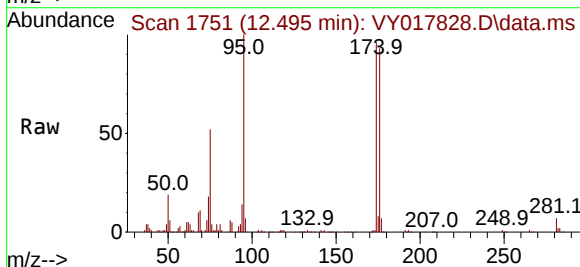
Tgt Ion: 95 Resp: 102740

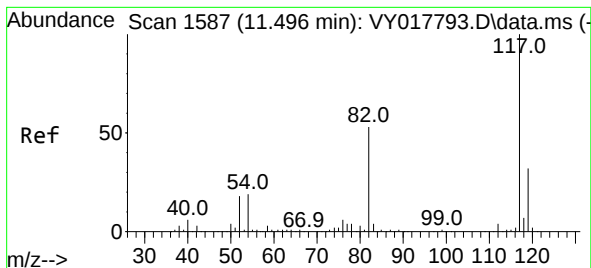
Ion Ratio Lower Upper

95 100

174 94.6 0.0 175.6

176 91.2 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.501 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017828.D

Acq: 03 Apr 2024 11:48

Instrument :

MSVOA_Y

ClientSampleId :

RBR21147

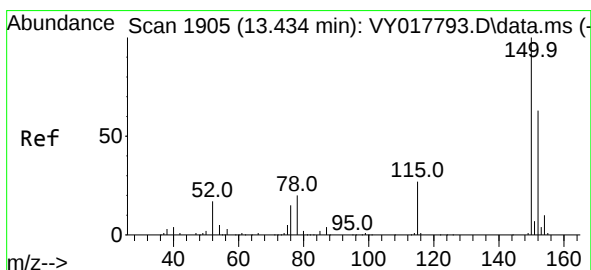
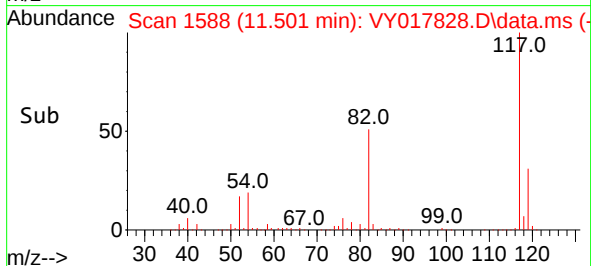
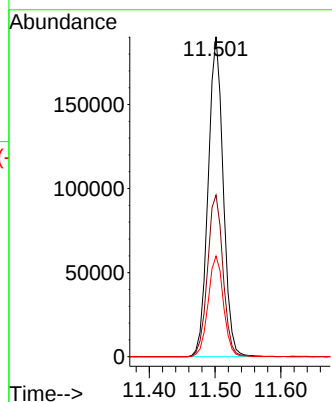
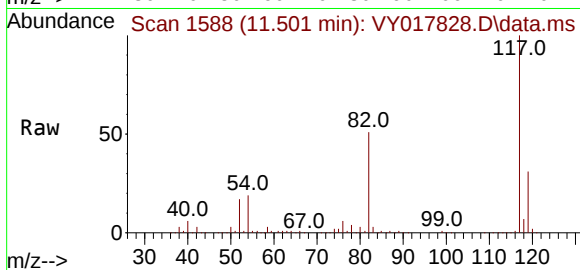
Tgt Ion:117 Resp: 302967

Ion Ratio Lower Upper

117 100

82 50.5 42.4 63.6

119 31.5 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY017828.D

Acq: 03 Apr 2024 11:48

Tgt Ion:152 Resp: 110568

Ion Ratio Lower Upper

152 100

115 55.2 28.2 84.7

150 155.7 0.0 345.6

