

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030723\
 Data File : VY012845.D
 Acq On : 07 Mar 2023 15:21
 Operator : KP/MD
 Sample : 01828-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AVENEL-60

Quant Time: Mar 07 23:44:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	868	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	1461	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	1184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	283	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	686	79.600	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	159.200%
35) Dibromofluoromethane	7.722	113	443	50.243	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.480%
50) Toluene-d8	10.185	98	1831	56.804	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	113.600%
62) 4-Bromofluorobenzene	12.489	95	443	40.718	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.440%

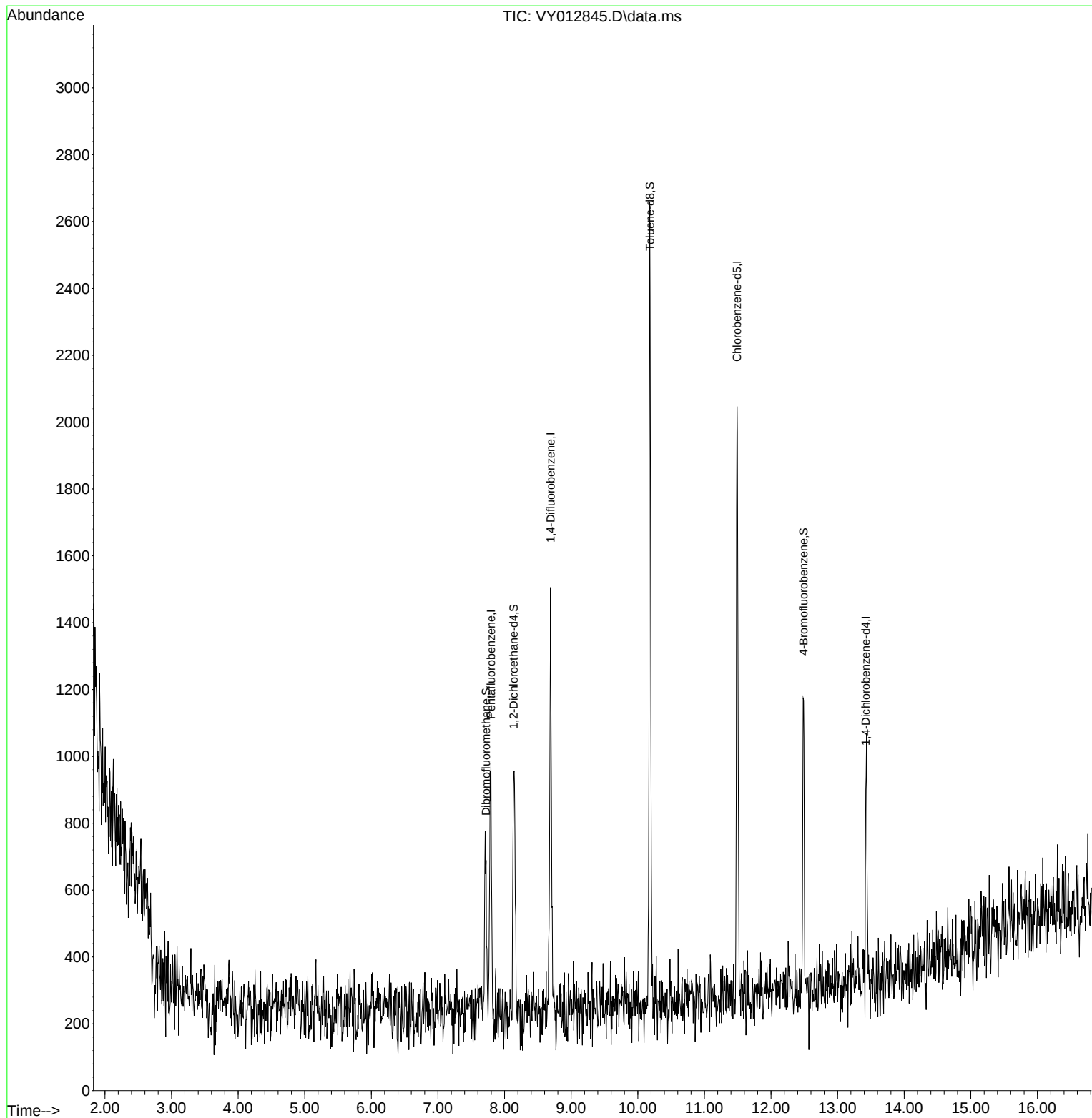
Target Compounds	Qvalue

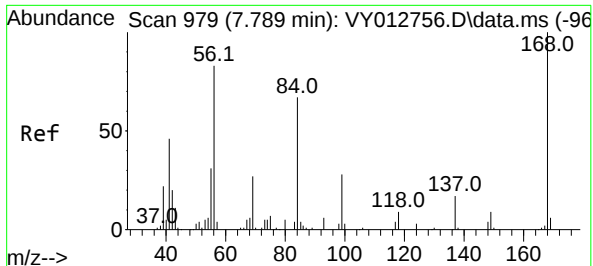
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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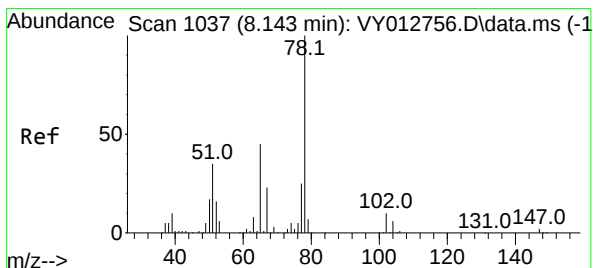
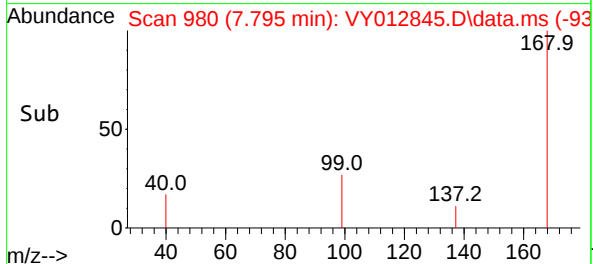
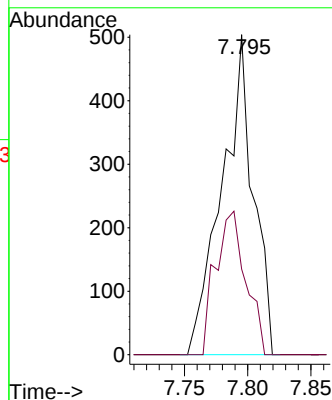
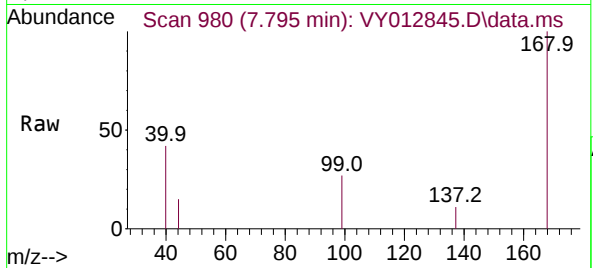




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012845.D
Acq: 07 Mar 2023 15:21

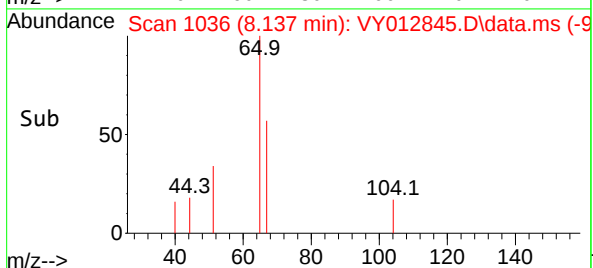
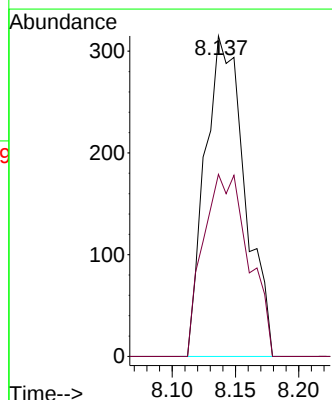
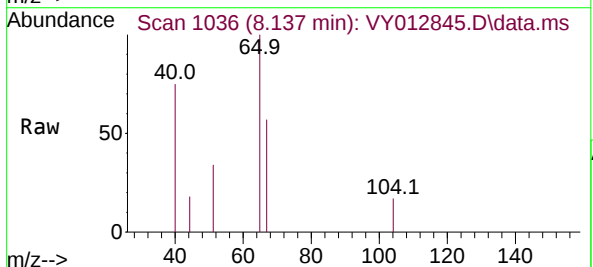
Instrument :
MSVOA_Y
ClientSampleId :
AVENEL-60

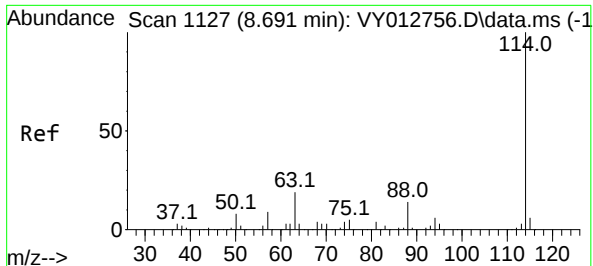
Tgt Ion:168 Resp: 868
Ion Ratio Lower Upper
168 100
99 26.8 41.7 62.5#



#33
1,2-Dichloroethane-d4
Concen: 79.600 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012845.D
Acq: 07 Mar 2023 15:21

Tgt Ion: 65 Resp: 686
Ion Ratio Lower Upper
65 100
67 65.0 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012845.D

Acq: 07 Mar 2023 15:21

Instrument :

MSVOA_Y

ClientSampleId :

AVENEL-60

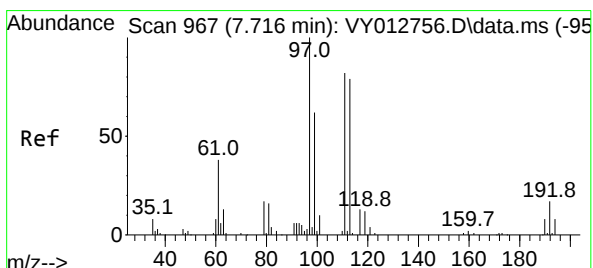
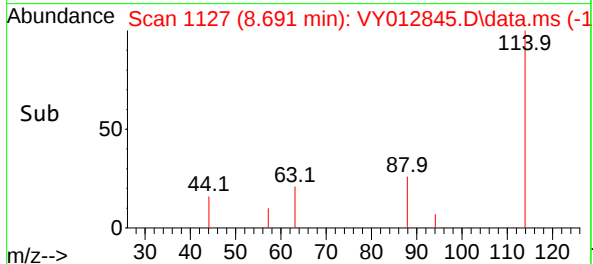
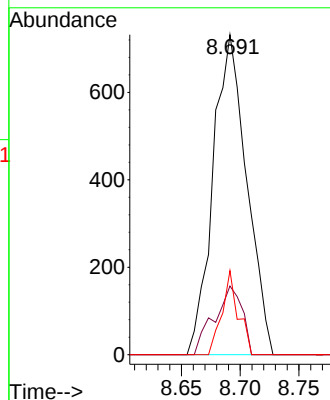
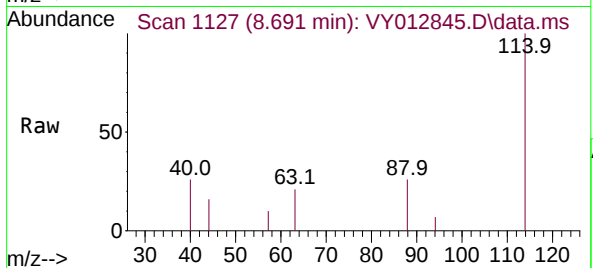
Tgt Ion:114 Resp: 1461

Ion Ratio Lower Upper

114 100

63 21.4 0.0 37.4

88 26.2 0.0 28.6



#35

Dibromofluoromethane

Concen: 50.243 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY012845.D

Acq: 07 Mar 2023 15:21

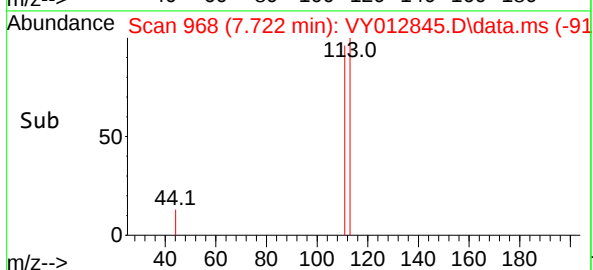
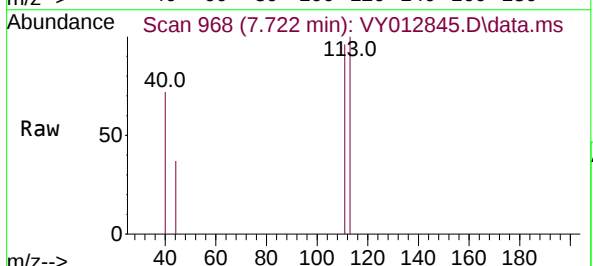
Tgt Ion:113 Resp: 443

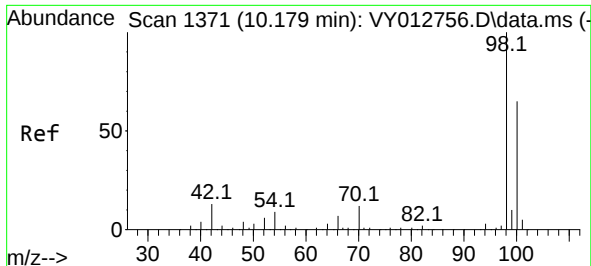
Ion Ratio Lower Upper

113 100

111 109.5 82.2 123.2

192 4.3 16.8 25.2#

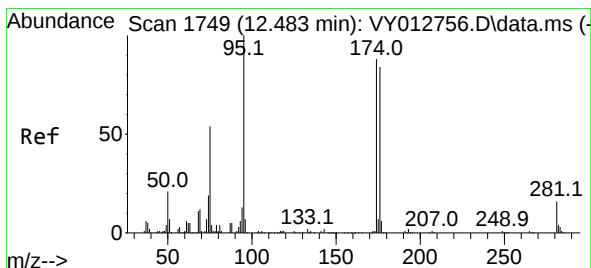
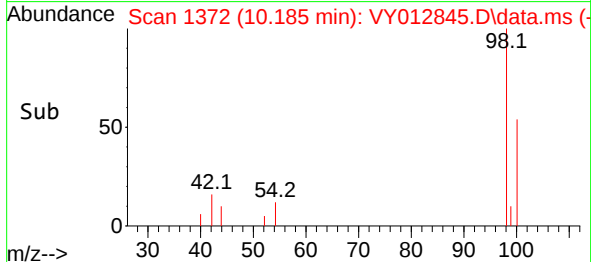
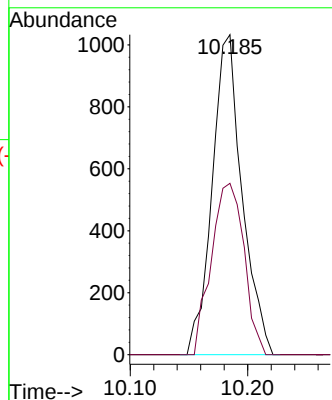
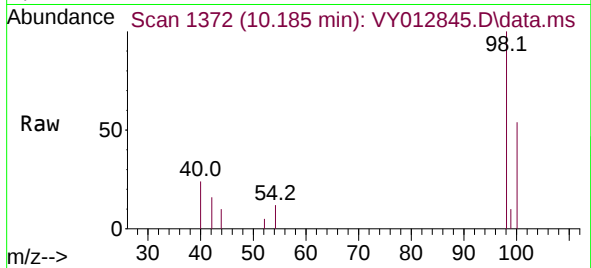




#50
Toluene-d8
Concen: 56.804 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY012845.D
Acq: 07 Mar 2023 15:21

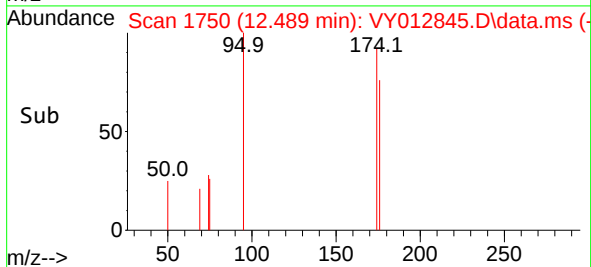
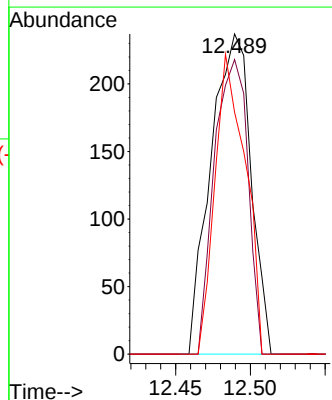
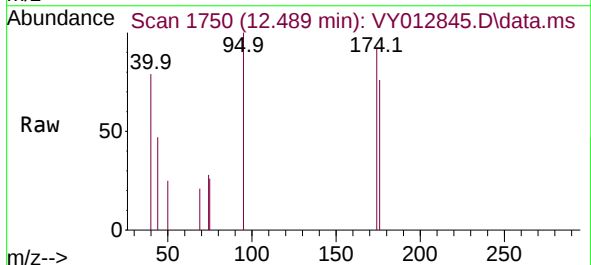
Instrument :
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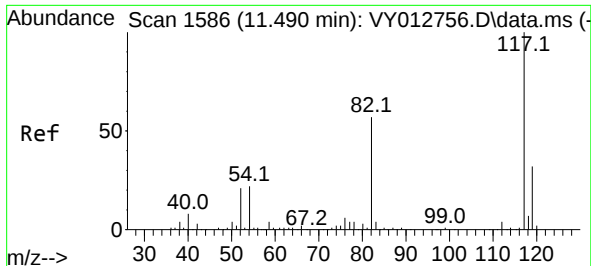
Tgt Ion: 98 Resp: 1831
Ion Ratio Lower Upper
98 100
100 58.4 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 40.718 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY012845.D
Acq: 07 Mar 2023 15:21

Tgt Ion: 95 Resp: 443
Ion Ratio Lower Upper
95 100
174 76.5 0.0 176.6
176 70.9 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1184

Delta R.T. 0.000 min

Lab File: VY012845.D

Acq: 07 Mar 2023 15:21

Instrument :

MSVOA_Y

ClientSampleId :

AVENEL-60

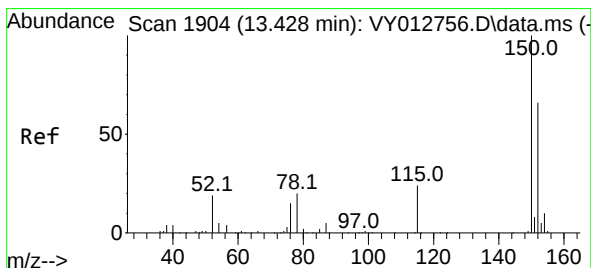
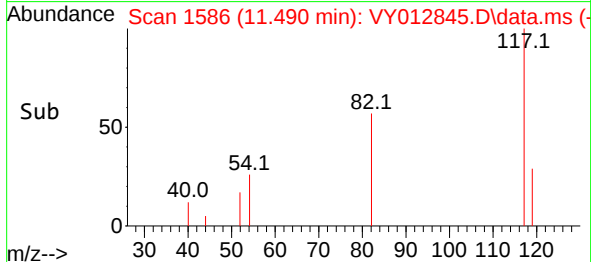
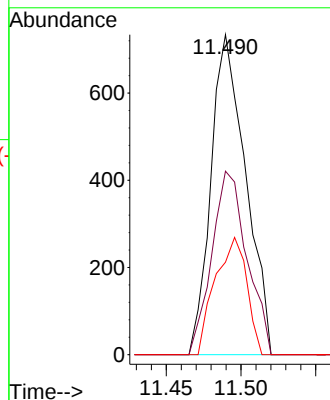
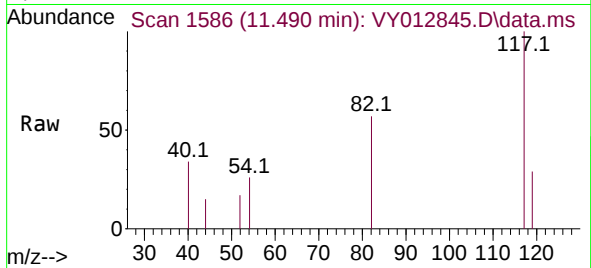
Tgt Ion:117 Resp: 1184

Ion Ratio Lower Upper

117 100

82 57.4 45.4 68.0

119 28.9 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY012845.D

Acq: 07 Mar 2023 15:21

Tgt Ion:152 Resp: 283

Ion Ratio Lower Upper

152 100

115 48.4 27.1 81.3

150 158.7 0.0 347.8

