

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022293.D
 Acq On : 16 May 2025 16:02
 Operator : SY/MD
 Sample : Q2003-02
 Misc : 5.37g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: May 17 01:35:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	37846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	58395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	36874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	10942	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	16277	39.352	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.700%
35) Dibromofluoromethane	7.628	113	15656	44.919	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.840%
50) Toluene-d8	10.103	98	62979	44.120	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.240%
62) 4-Bromofluorobenzene	12.401	95	12982	28.693	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	57.380%

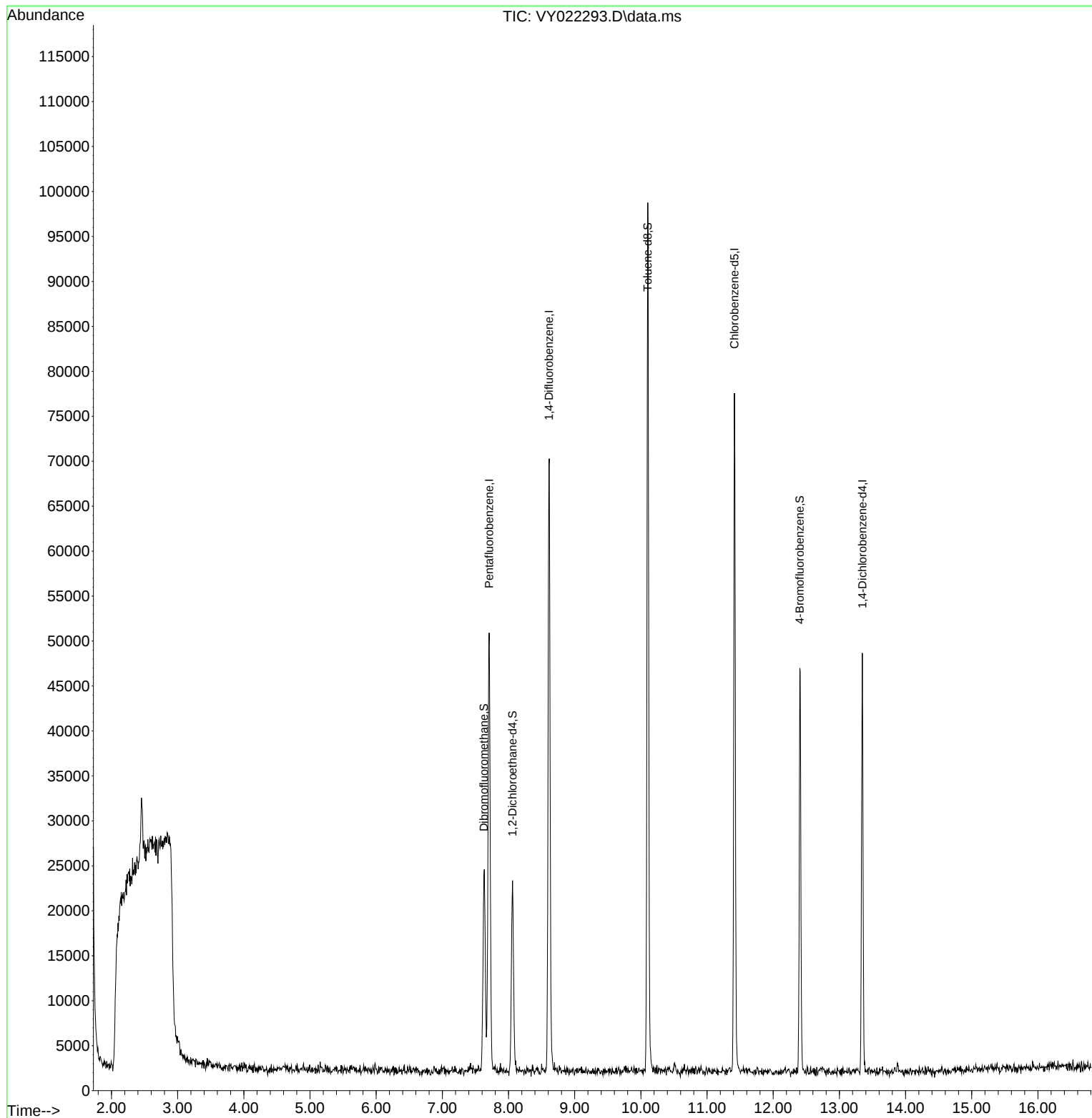
Target Compounds	Qvalue

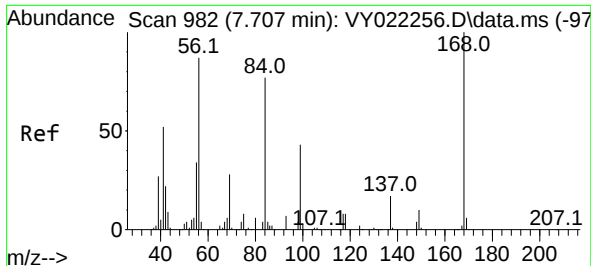
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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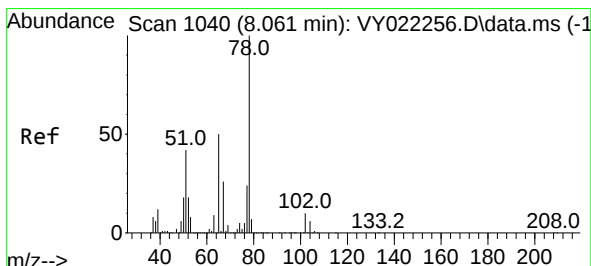
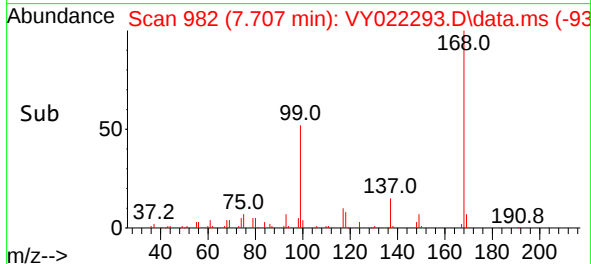
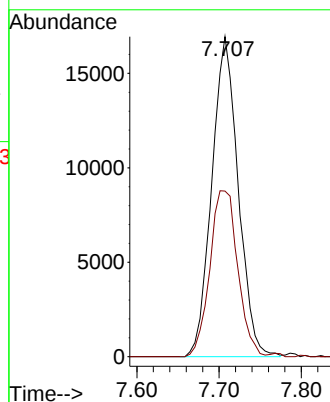
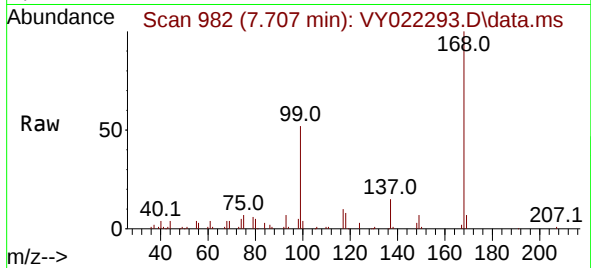




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022293.D
Acq: 16 May 2025 16:02

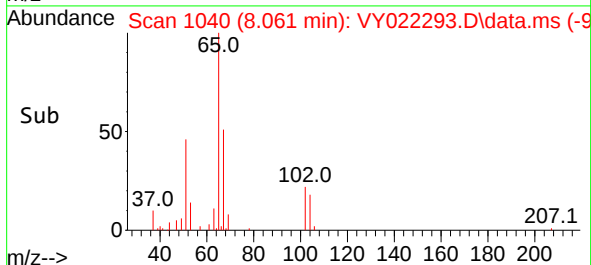
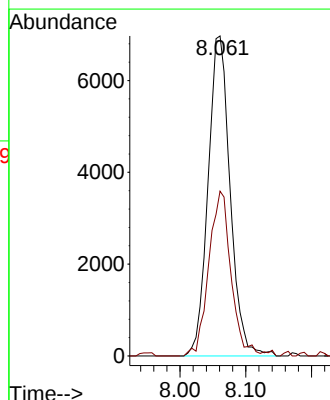
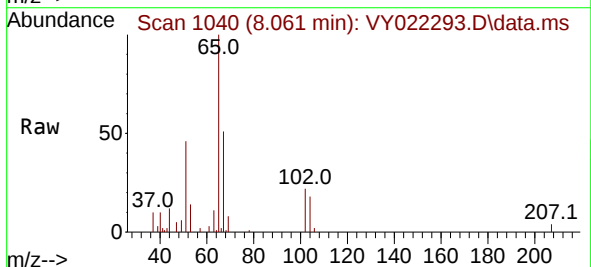
Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion:168 Resp: 37846
Ion Ratio Lower Upper
168 100
99 51.8 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 39.352 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022293.D
Acq: 16 May 2025 16:02

Tgt Ion: 65 Resp: 16277
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022293.D

Acq: 16 May 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VOC

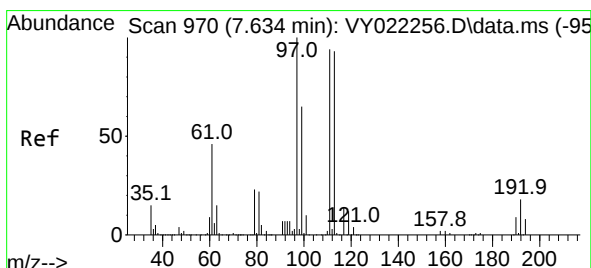
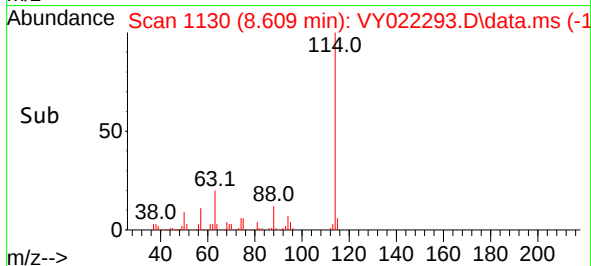
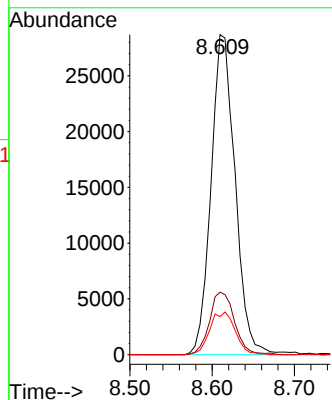
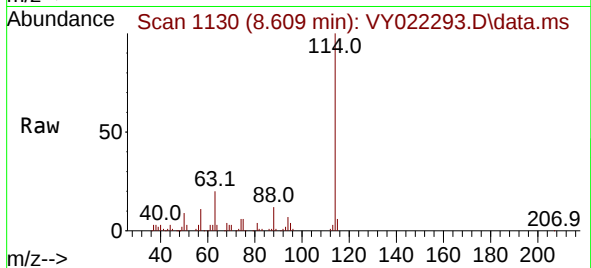
Tgt Ion:114 Resp: 58395

Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.0

88 11.9 0.0 29.4



#35

Dibromofluoromethane

Concen: 44.919 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY022293.D

Acq: 16 May 2025 16:02

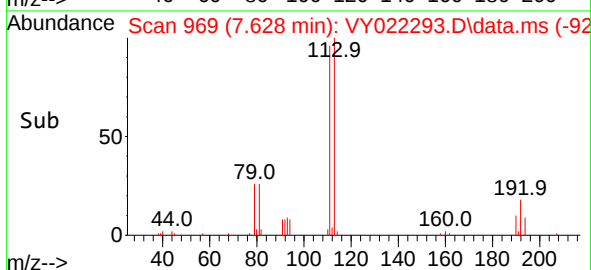
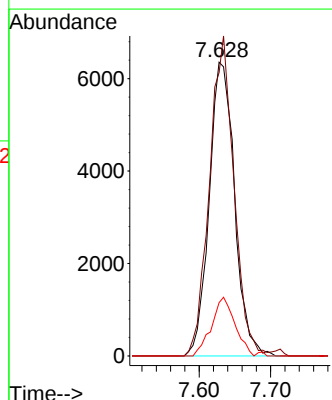
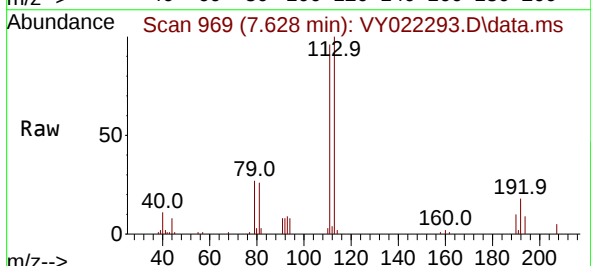
Tgt Ion:113 Resp: 15656

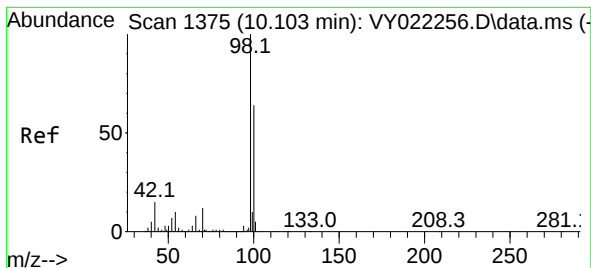
Ion Ratio Lower Upper

113 100

111 105.1 82.6 123.8

192 18.5 15.2 22.8





#50

Toluene-d8

Concen: 44.120 ug/l

RT: 10.103 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022293.D

Acq: 16 May 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

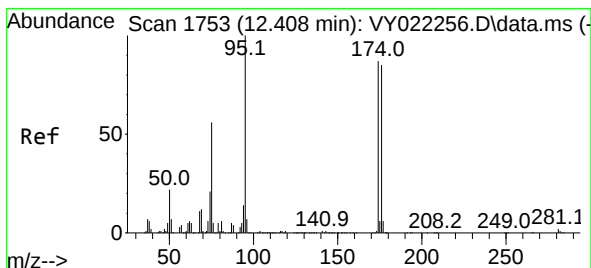
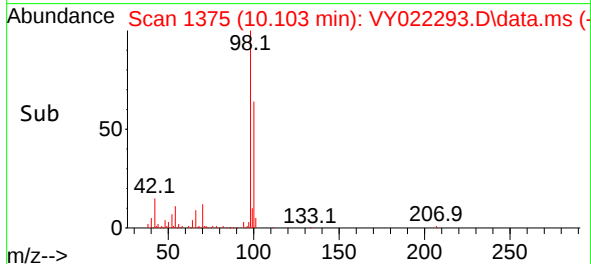
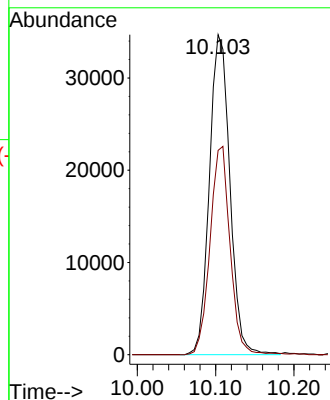
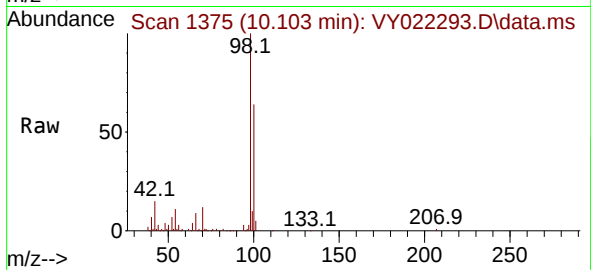
VOC

Tgt Ion: 98 Resp: 62979

Ion Ratio Lower Upper

98 100

100 63.7 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 28.693 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022293.D

Acq: 16 May 2025 16:02

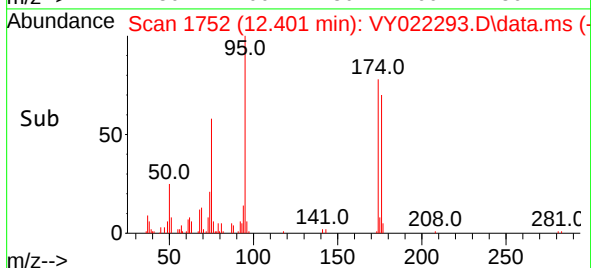
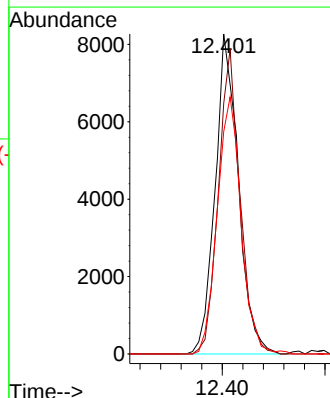
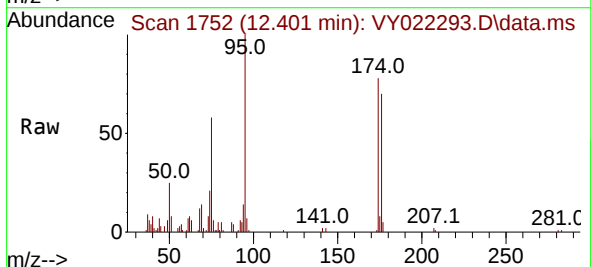
Tgt Ion: 95 Resp: 12982

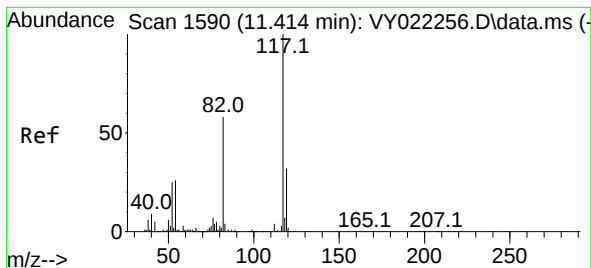
Ion Ratio Lower Upper

95 100

174 88.1 0.0 166.8

176 82.1 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022293.D

Acq: 16 May 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VOC

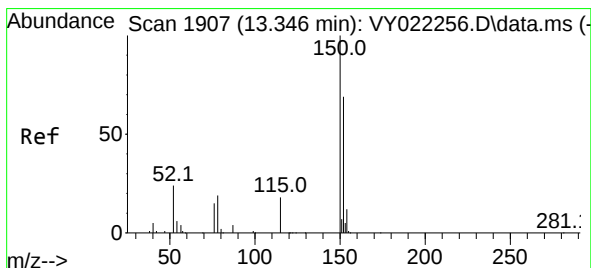
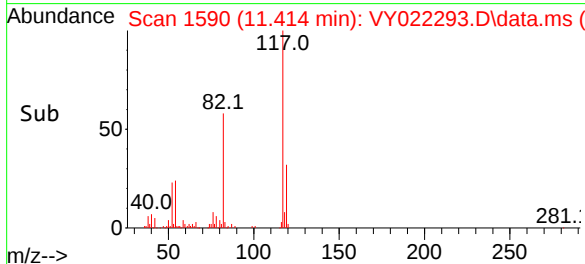
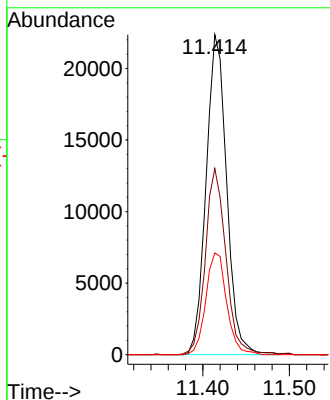
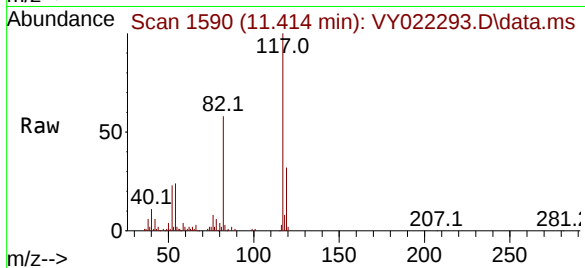
Tgt Ion:117 Resp: 36874

Ion Ratio Lower Upper

117 100

82 58.2 46.6 70.0

119 31.8 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022293.D

Acq: 16 May 2025 16:02

Tgt Ion:152 Resp: 10942

Ion Ratio Lower Upper

152 100

115 57.8 29.4 88.2

150 157.4 0.0 353.8

