

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022287.D
 Acq On : 16 May 2025 13:41
 Operator : SY/MD
 Sample : Q1982-02
 Misc : 15.26g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2B

Quant Time: May 17 01:32:54 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	272623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	473712	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	327253	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	82963	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	146188	49.064	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.120%
35) Dibromofluoromethane	7.634	113	142338	50.343	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.680%
50) Toluene-d8	10.103	98	553522	47.801	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.600%
62) 4-Bromofluorobenzene	12.401	95	133997	36.508	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	73.020%

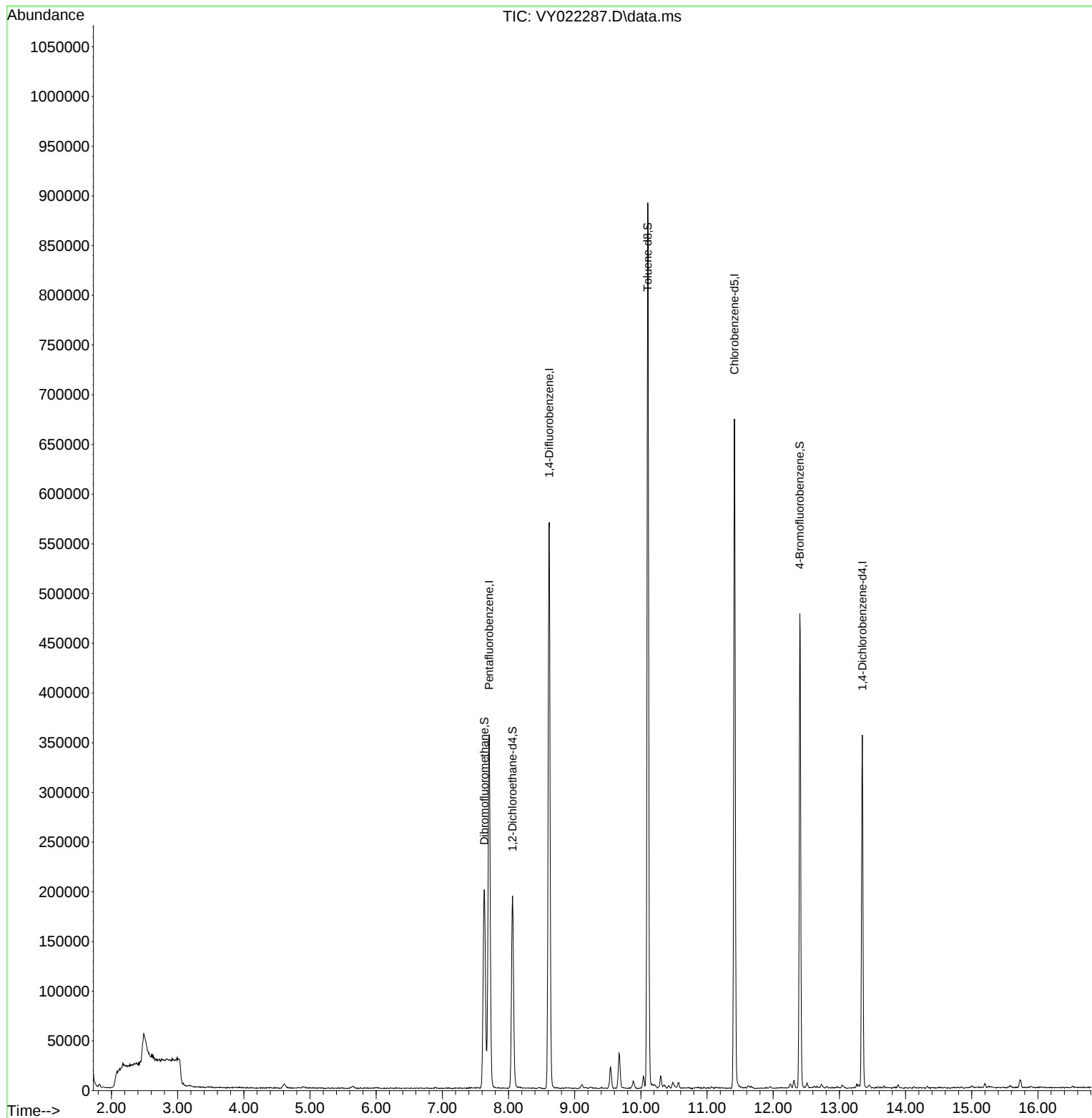
Target Compounds	Qvalue

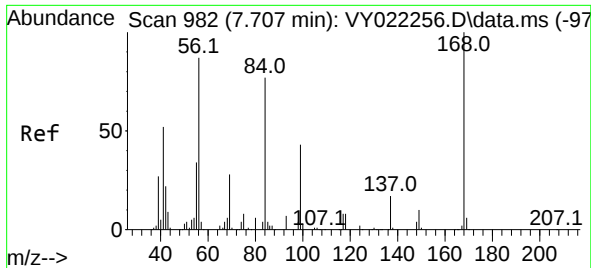
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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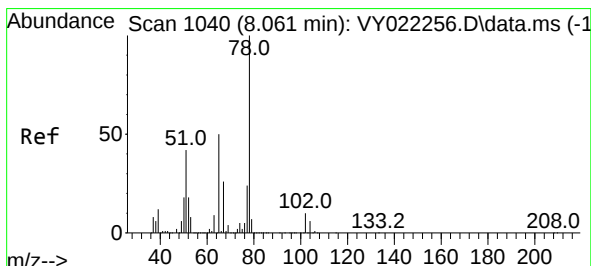
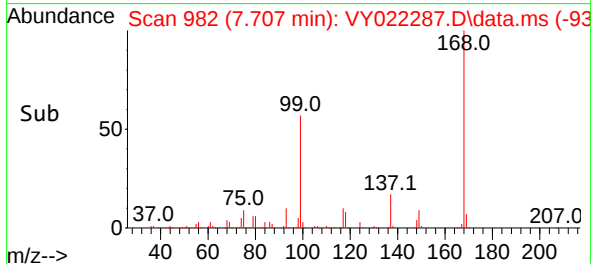
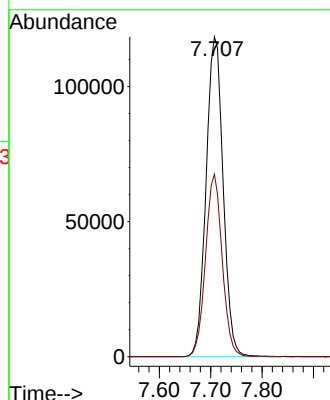
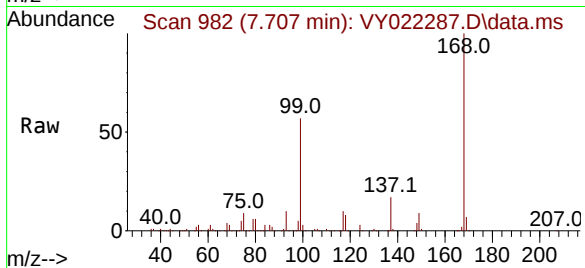




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022287.D
Acq: 16 May 2025 13:41

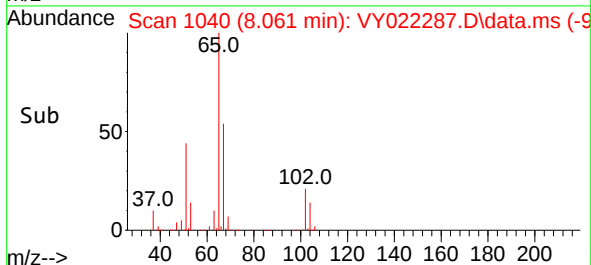
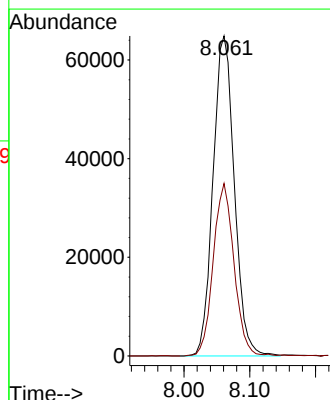
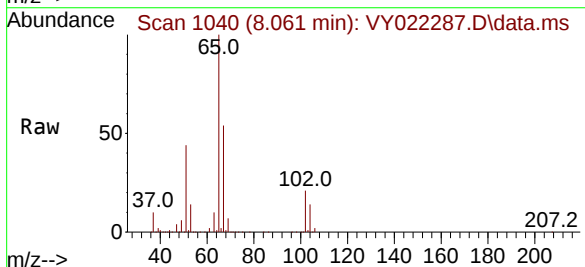
Instrument :
MSVOA_Y
ClientSampleId :
TP-2B

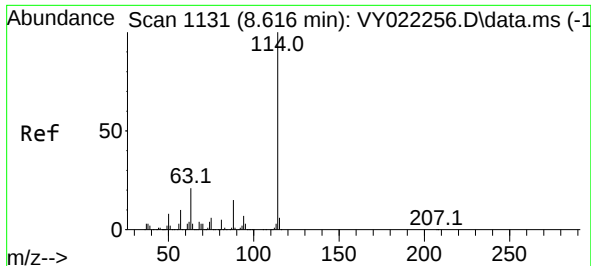
Tgt Ion:168 Resp: 272623
Ion Ratio Lower Upper
168 100
99 57.0 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 49.064 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022287.D
Acq: 16 May 2025 13:41

Tgt Ion: 65 Resp: 146188
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022287.D

Acq: 16 May 2025 13:41

Instrument :

MSVOA_Y

ClientSampleId :

TP-2B

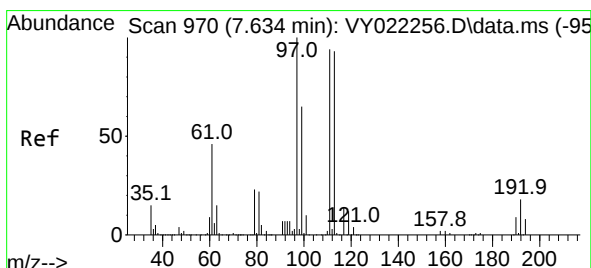
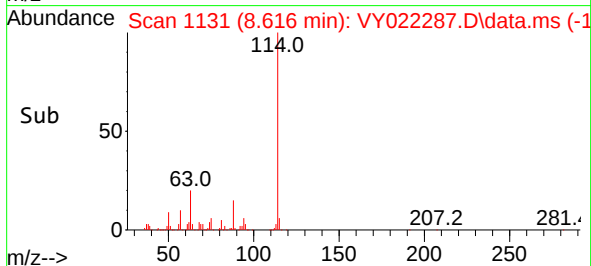
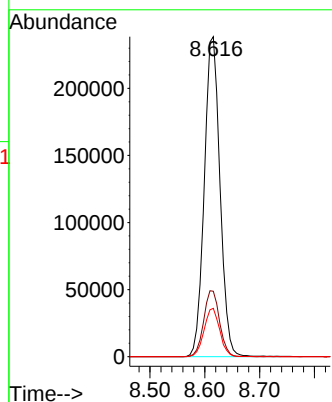
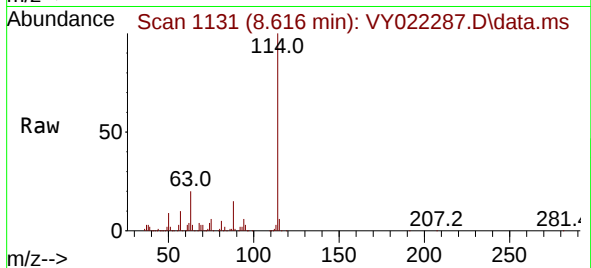
Tgt Ion:114 Resp: 473712

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.0

88 15.1 0.0 29.4



#35

Dibromofluoromethane

Concen: 50.343 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022287.D

Acq: 16 May 2025 13:41

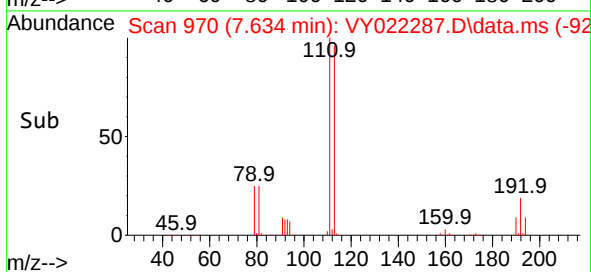
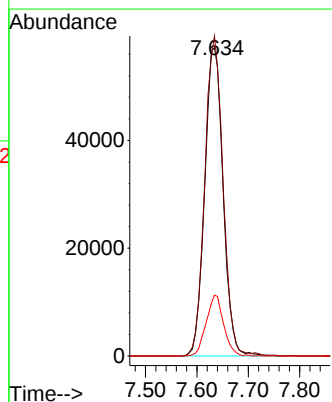
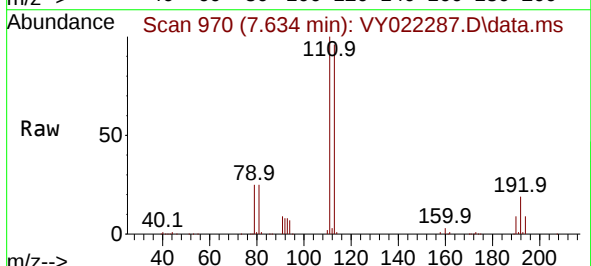
Tgt Ion:113 Resp: 142338

Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

192 18.7 15.2 22.8

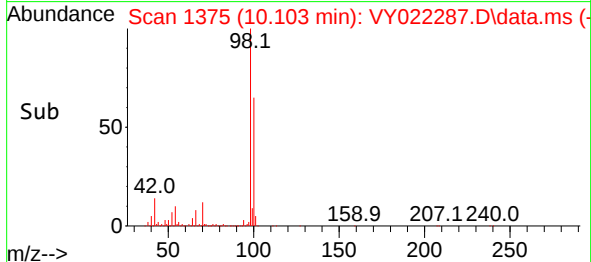
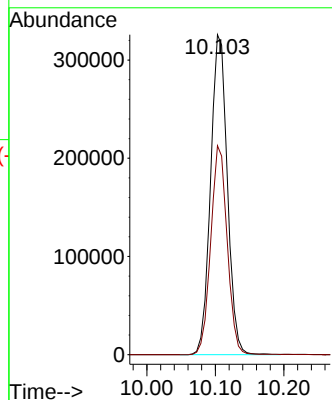
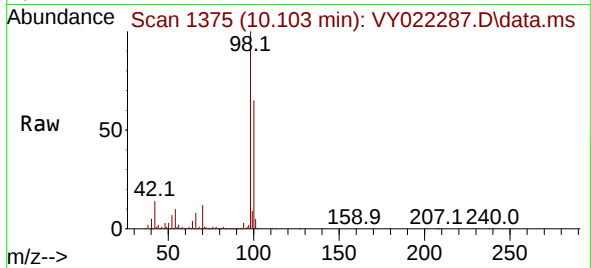




#50
Toluene-d8
Concen: 47.801 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022287.D
Acq: 16 May 2025 13:41

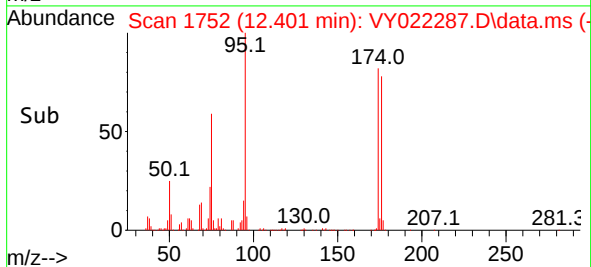
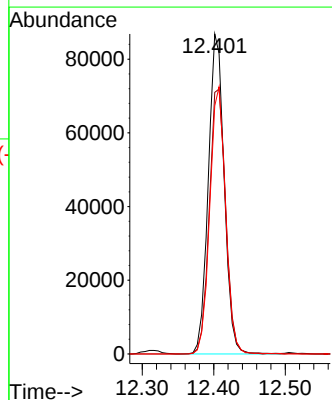
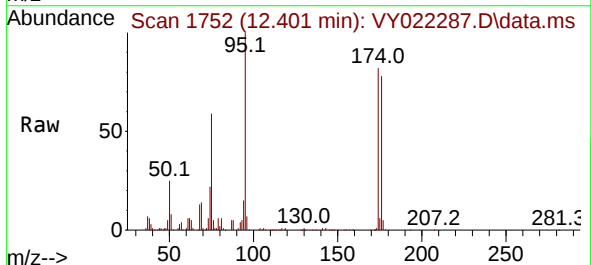
Instrument :
MSVOA_Y
ClientSampleId :
TP-2B

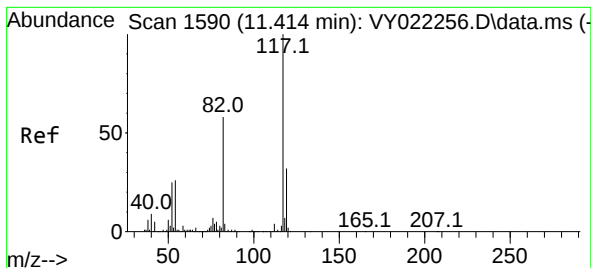
Tgt Ion: 98 Resp: 553522
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 36.508 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022287.D
Acq: 16 May 2025 13:41

Tgt Ion: 95 Resp: 133997
Ion Ratio Lower Upper
95 100
174 85.6 0.0 166.8
176 82.9 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: VY022287.D

Acq: 16 May 2025 13:41

Instrument :

MSVOA_Y

ClientSampleId :

TP-2B

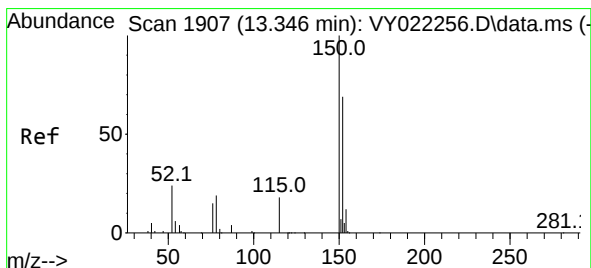
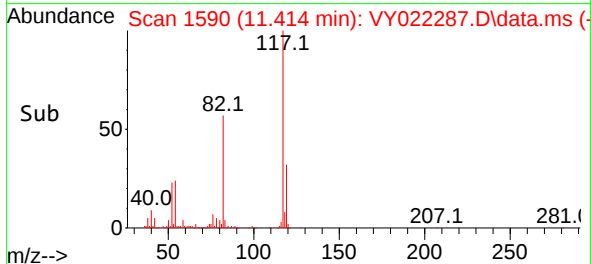
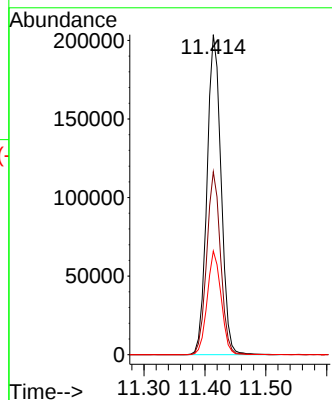
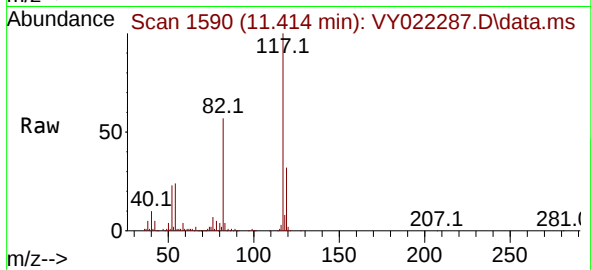
Tgt Ion:117 Resp: 327253

Ion Ratio Lower Upper

117 100

82 57.1 46.6 70.0

119 32.4 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: VY022287.D

Acq: 16 May 2025 13:41

Tgt Ion:152 Resp: 82963

Ion Ratio Lower Upper

152 100

115 56.5 29.4 88.2

150 155.1 0.0 353.8

