

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022281.D
 Acq On : 16 May 2025 11:17
 Operator : SY/MD
 Sample : Q1984-07RE
 Misc : 2.93g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-24-050725RE

Quant Time: May 17 01:30:23 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	291145	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	506824	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	348369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	87017	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	142182	44.684	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.360%
35) Dibromofluoromethane	7.634	113	146671	48.486	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.980%
50) Toluene-d8	10.109	98	585169	47.232	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.460%
62) 4-Bromofluorobenzene	12.407	95	147177	37.479	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.960%

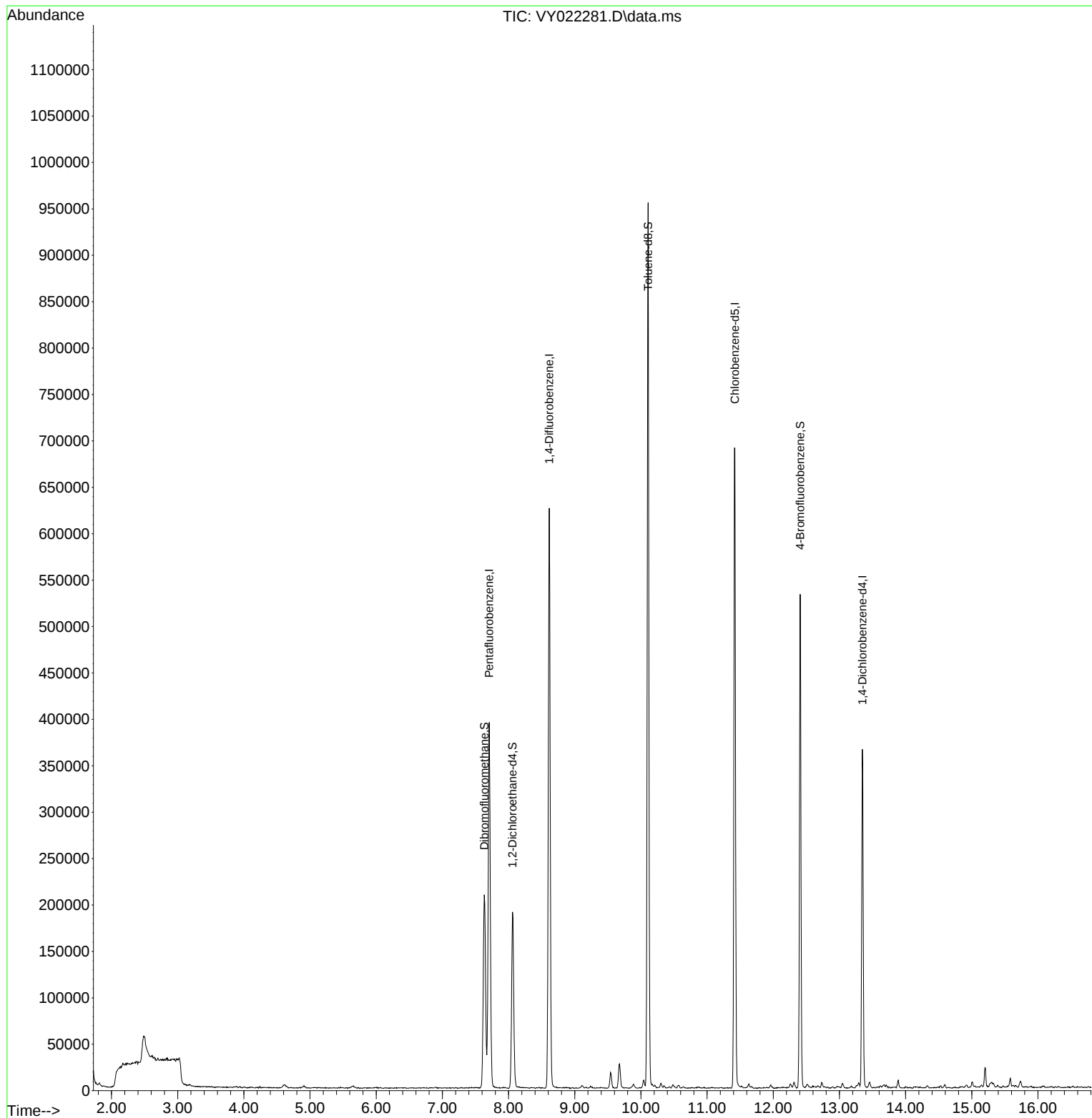
Target Compounds	Qvalue

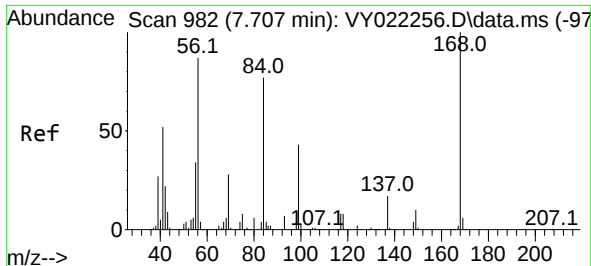
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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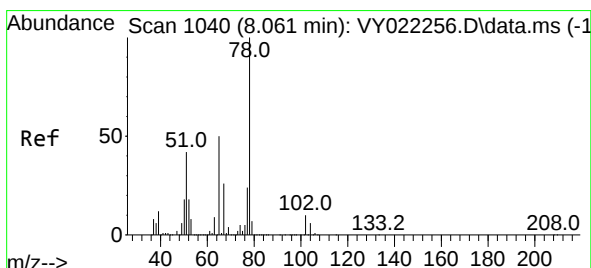
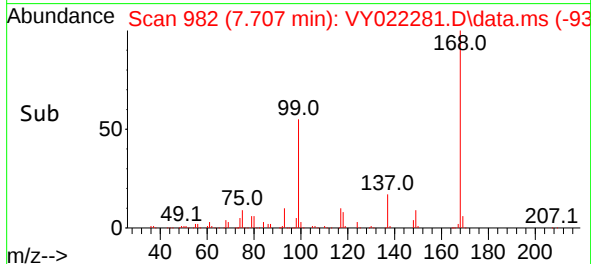
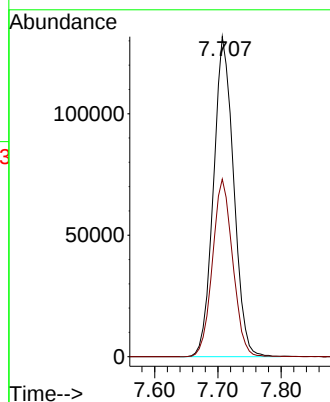
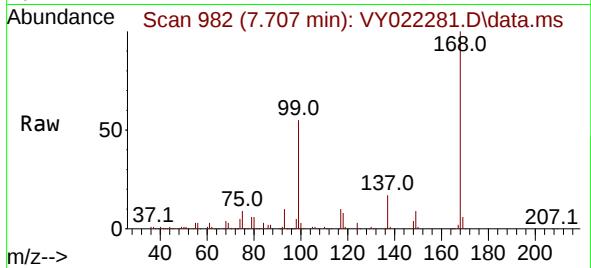




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022281.D
Acq: 16 May 2025 11:17

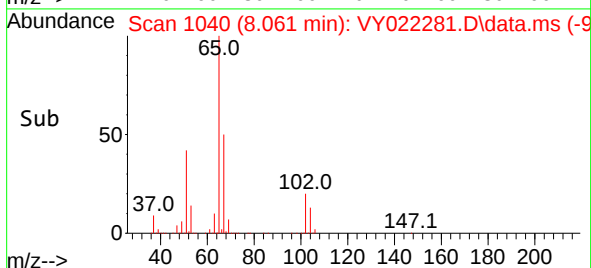
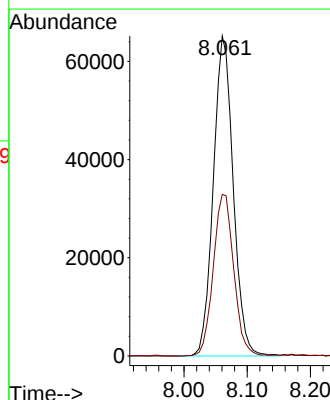
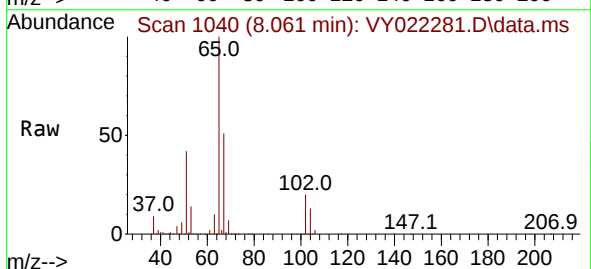
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-24-050725RE

Tgt Ion:168 Resp: 291145
Ion Ratio Lower Upper
168 100
99 55.5 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 44.684 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022281.D
Acq: 16 May 2025 11:17

Tgt Ion: 65 Resp: 142182
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022281.D

Acq: 16 May 2025 11:17

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-24-050725RE

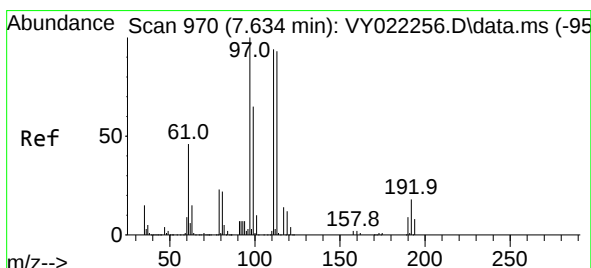
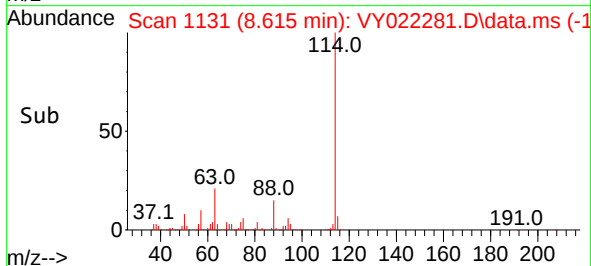
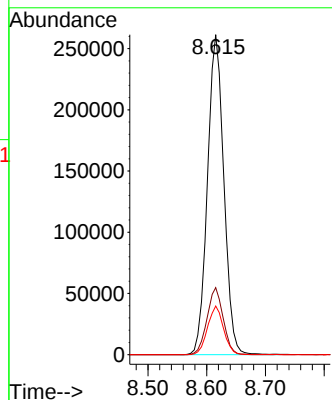
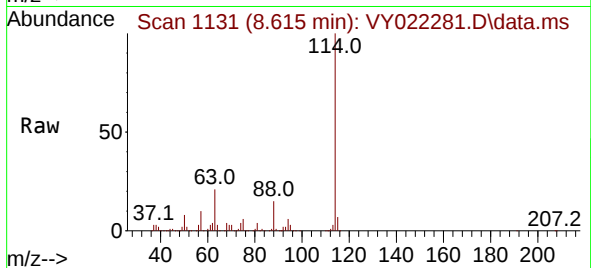
Tgt Ion:114 Resp: 506824

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.0

88 15.2 0.0 29.4



#35

Dibromofluoromethane

Concen: 48.486 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022281.D

Acq: 16 May 2025 11:17

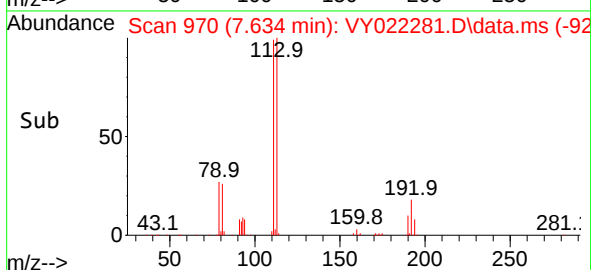
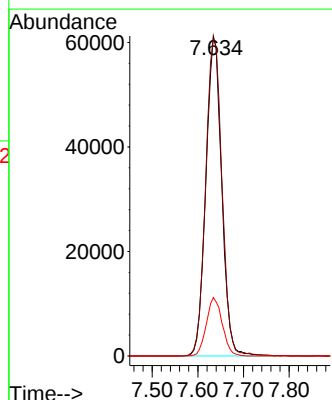
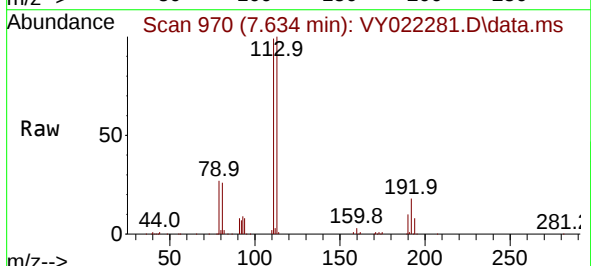
Tgt Ion:113 Resp: 146671

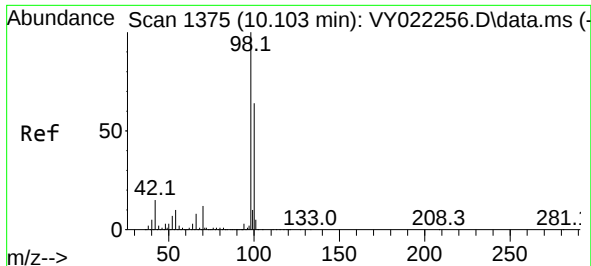
Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 18.4 15.2 22.8

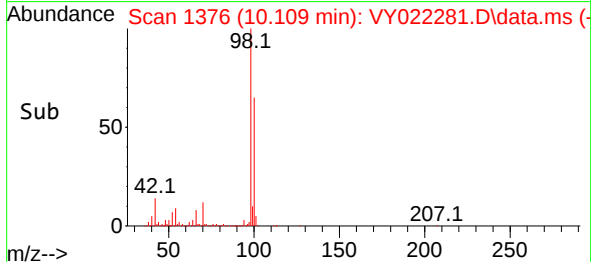
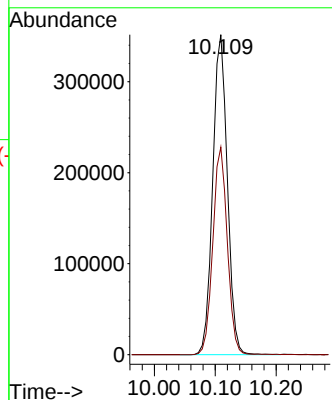
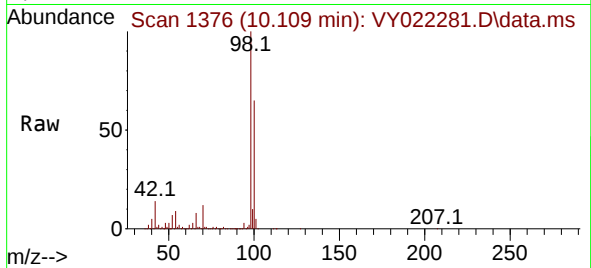




#50
Toluene-d8
Concen: 47.232 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022281.D
Acq: 16 May 2025 11:17

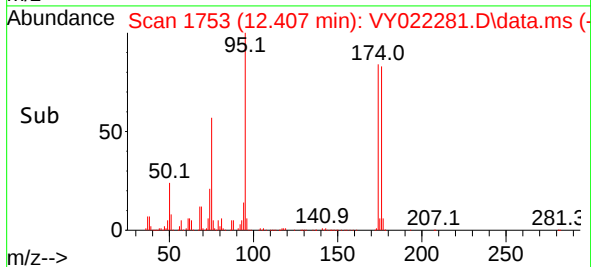
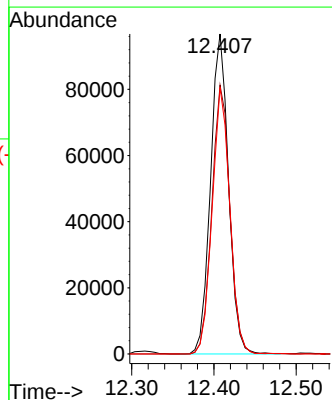
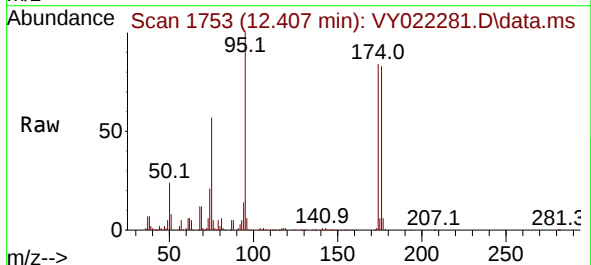
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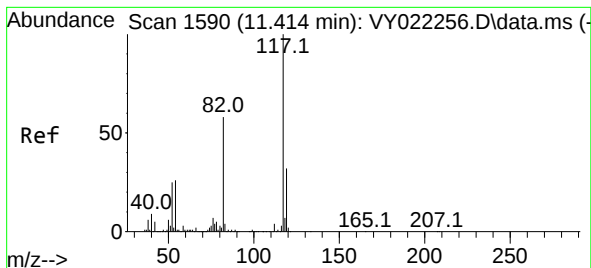
Tgt Ion: 98 Resp: 585169
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 37.479 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022281.D
Acq: 16 May 2025 11:17

Tgt Ion: 95 Resp: 147177
Ion Ratio Lower Upper
95 100
174 84.5 0.0 166.8
176 82.0 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022281.D

Acq: 16 May 2025 11:17

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-24-050725RE

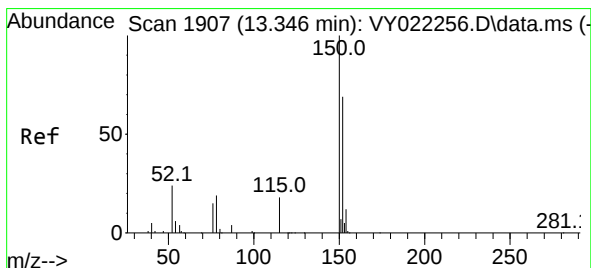
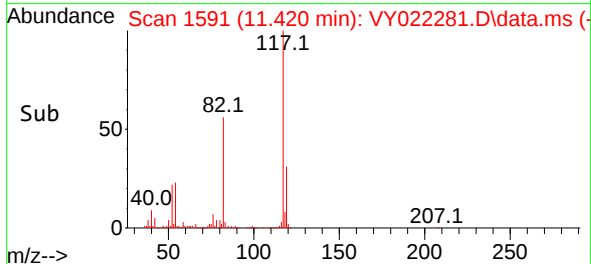
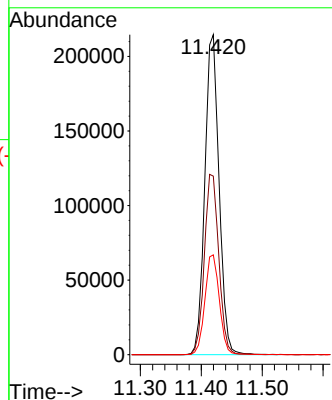
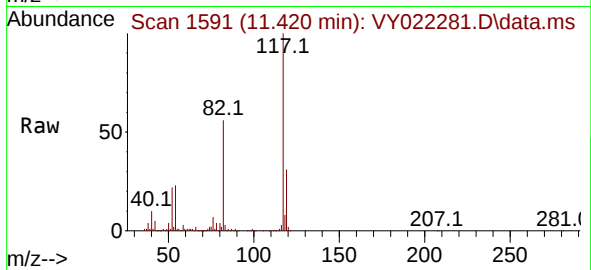
Tgt Ion:117 Resp: 348369

Ion Ratio Lower Upper

117 100

82 55.8 46.6 70.0

119 31.2 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: VY022281.D

Acq: 16 May 2025 11:17

Tgt Ion:152 Resp: 87017

Ion Ratio Lower Upper

152 100

115 57.3 29.4 88.2

150 156.9 0.0 353.8

