

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023077.D
 Acq On : 13 Aug 2025 18:04
 Operator : SY/MD
 Sample : Q2819-15
 Misc : 5.81g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 17M-N

Quant Time: Aug 14 01:27:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	113179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	199027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	166332	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	55990	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	66435	61.590	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.180%
35) Dibromofluoromethane	7.628	113	67844	56.968	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.940%
50) Toluene-d8	10.103	98	229284	49.283	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.560%
62) 4-Bromofluorobenzene	12.401	95	59636	39.858	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.720%

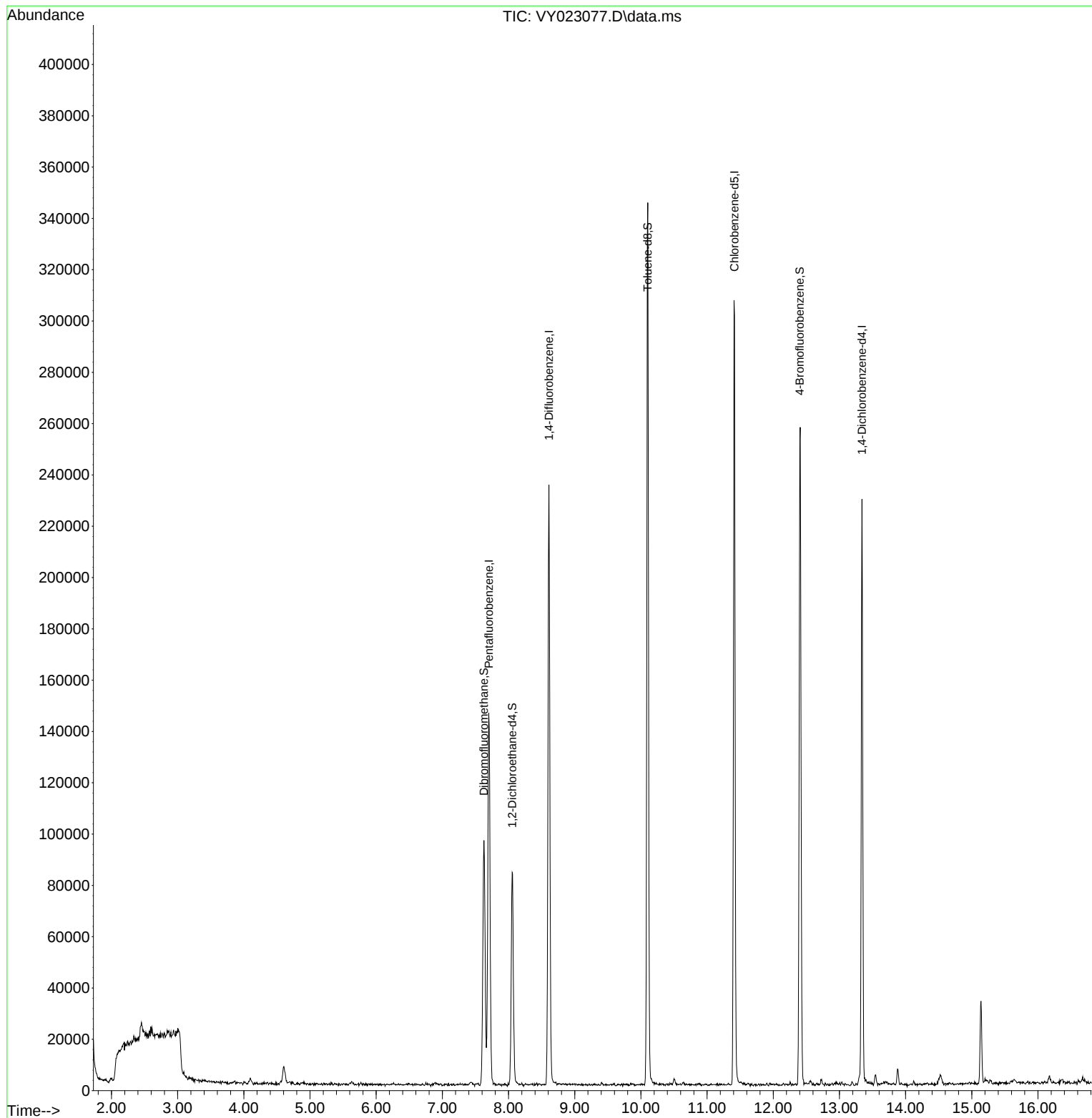
Target Compounds	Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
Data File : VY023077.D
Acq On : 13 Aug 2025 18:04
Operator : SY/MD
Sample : Q2819-15
Misc : 5.81g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
17M-N

Quant Time: Aug 14 01:27:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

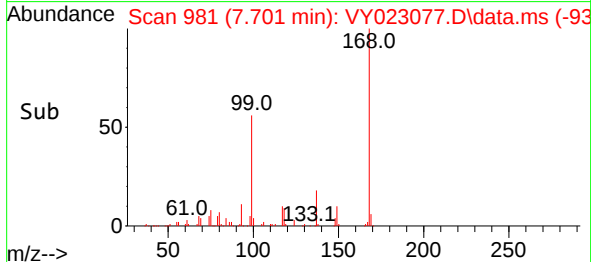
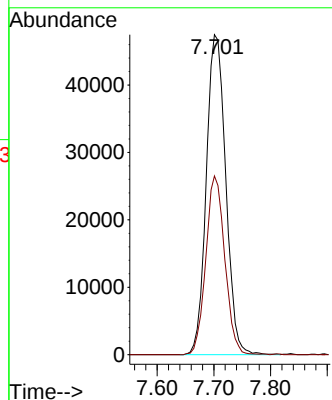
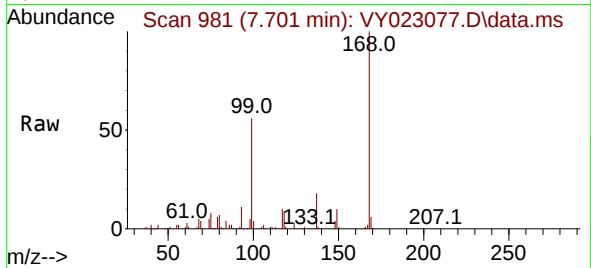




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY023077.D
Acq: 13 Aug 2025 18:04

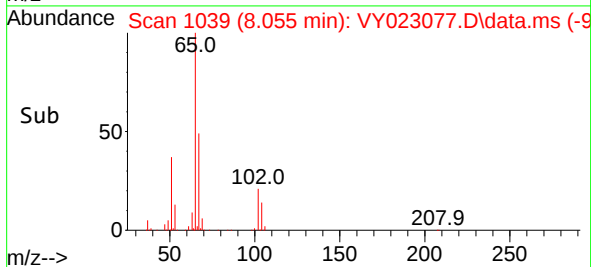
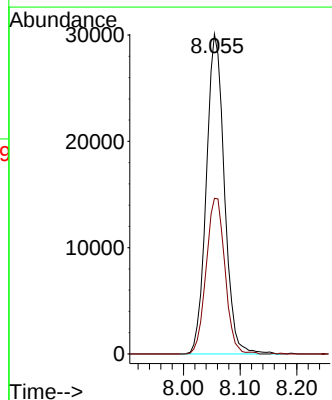
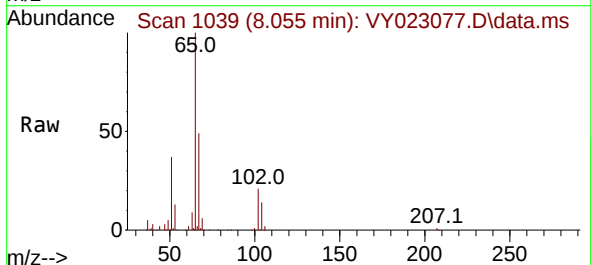
Instrument :
MSVOA_Y
ClientSampleId :
17M-N

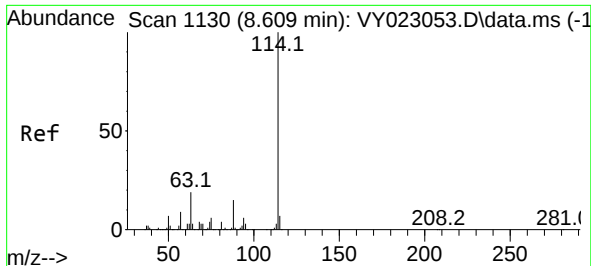
Tgt Ion:168 Resp: 113179
Ion Ratio Lower Upper
168 100
99 55.8 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 61.590 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY023077.D
Acq: 13 Aug 2025 18:04

Tgt Ion: 65 Resp: 66435
Ion Ratio Lower Upper
65 100
67 50.8 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023077.D

Acq: 13 Aug 2025 18:04

Instrument :

MSVOA_Y

ClientSampleId :

17M-N

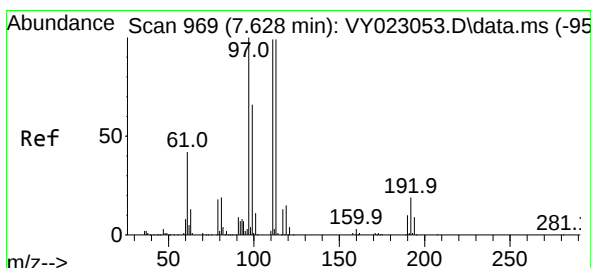
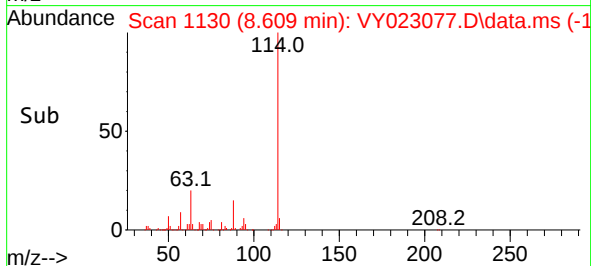
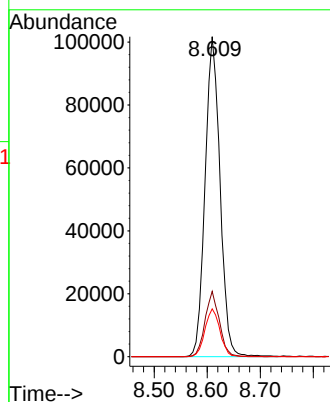
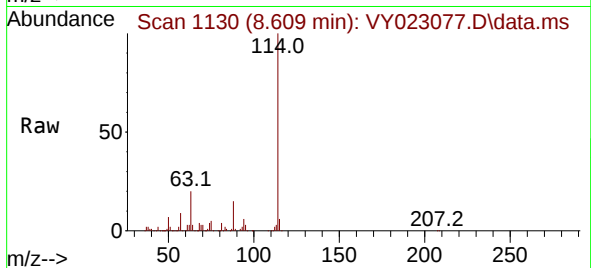
Tgt Ion:114 Resp: 199027

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.4

88 15.0 0.0 30.0



#35

Dibromofluoromethane

Concen: 56.968 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY023077.D

Acq: 13 Aug 2025 18:04

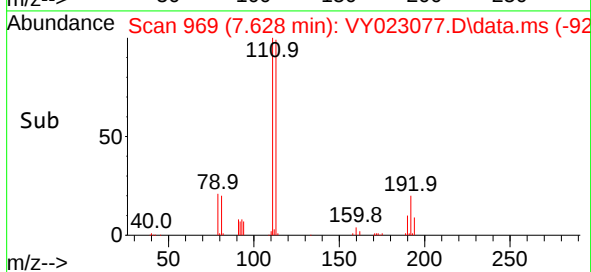
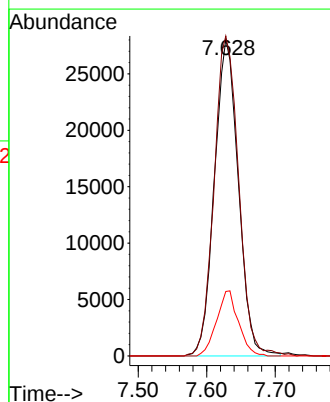
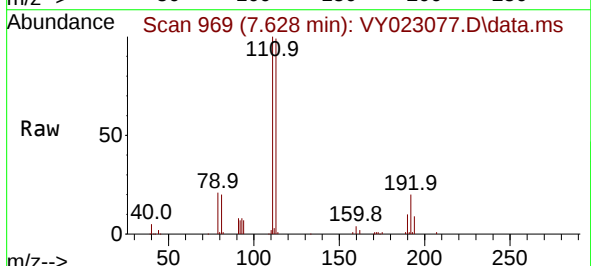
Tgt Ion:113 Resp: 67844

Ion Ratio Lower Upper

113 100

111 103.8 81.1 121.7

192 18.8 16.2 24.4

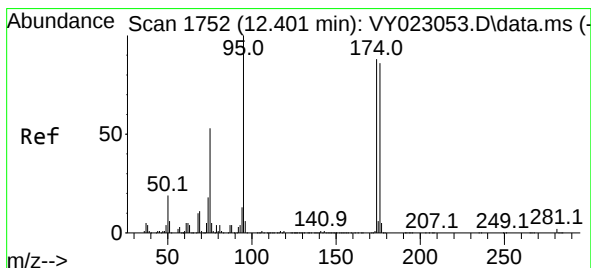
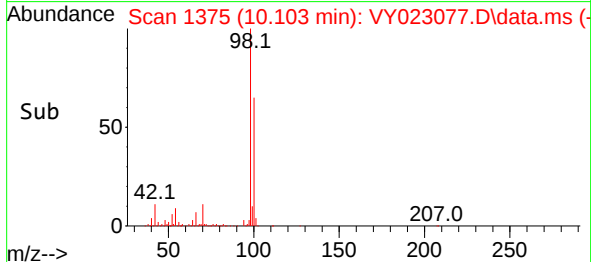
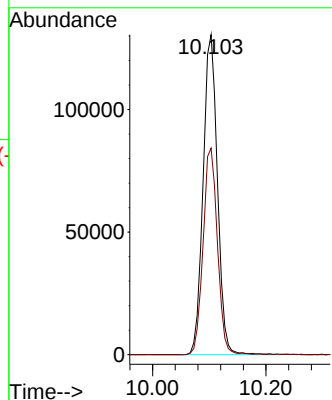
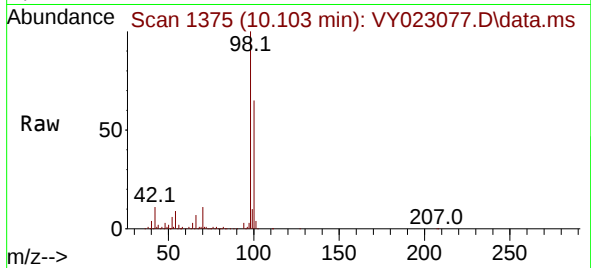




#50
Toluene-d8
Concen: 49.283 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023077.D
Acq: 13 Aug 2025 18:04

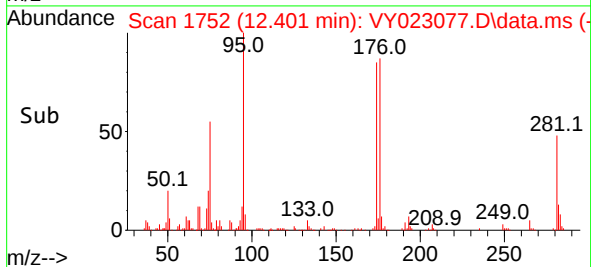
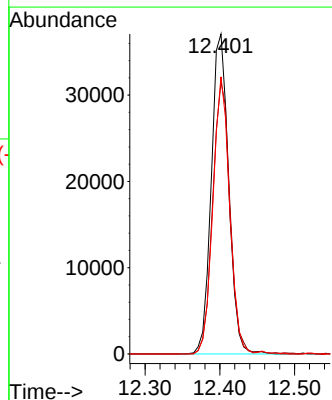
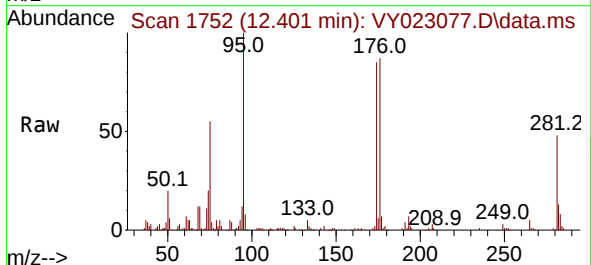
Instrument :
MSVOA_Y
ClientSampleId :
17M-N

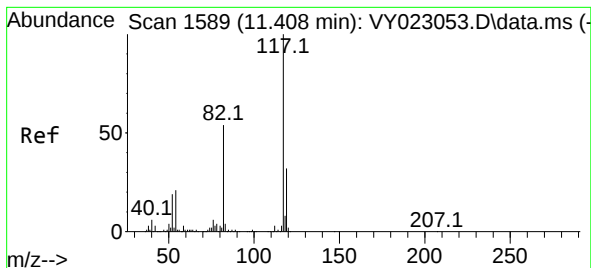
Tgt Ion: 98 Resp: 229284
Ion Ratio Lower Upper
98 100
100 64.6 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 39.858 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023077.D
Acq: 13 Aug 2025 18:04

Tgt Ion: 95 Resp: 59636
Ion Ratio Lower Upper
95 100
174 85.8 0.0 171.6
176 83.5 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023077.D

Acq: 13 Aug 2025 18:04

Instrument :

MSVOA_Y

ClientSampleId :

17M-N

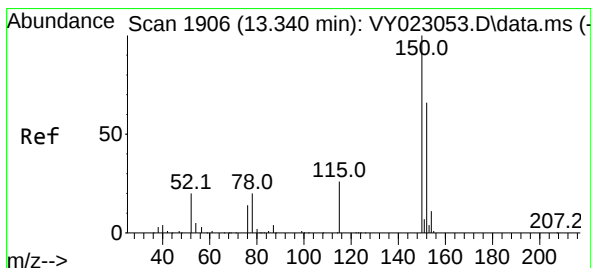
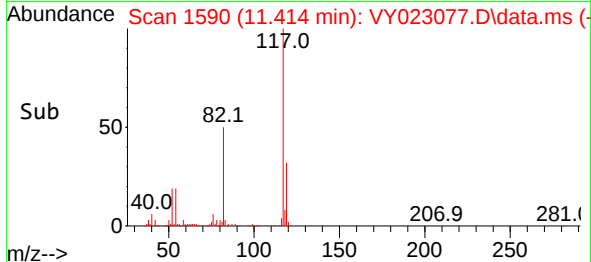
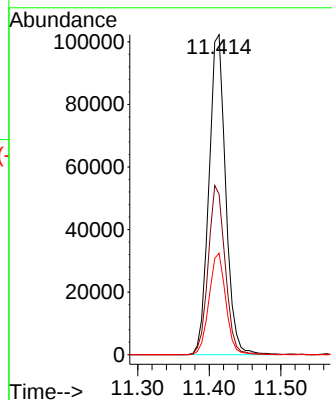
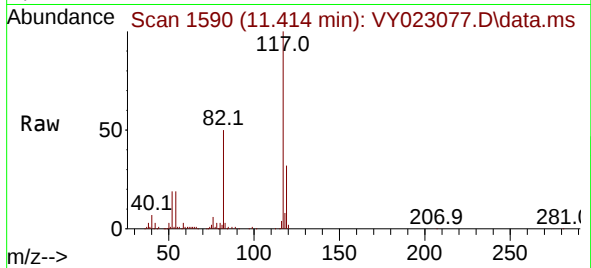
Tgt Ion:117 Resp: 166332

Ion Ratio Lower Upper

117 100

82 50.1 43.4 65.0

119 31.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023077.D

Acq: 13 Aug 2025 18:04

Tgt Ion:152 Resp: 55990

Ion Ratio Lower Upper

152 100

115 58.1 28.2 84.6

150 158.1 0.0 348.0

