

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
 Data File : VY023279.D
 Acq On : 04 Sep 2025 09:31
 Operator : SY/MD
 Sample : VY0904SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0904SBL01

Quant Time: Sep 05 04:22:11 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	7.713	168	597742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1129657	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1027478	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	414652	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	311016	54.594	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.180%
35) Dibromofluoromethane	7.640	113	370357	54.791	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.580%
50) Toluene-d8	10.109	98	1347973	51.047	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.100%
62) 4-Bromofluorobenzene	12.408	95	392829	46.257	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.520%

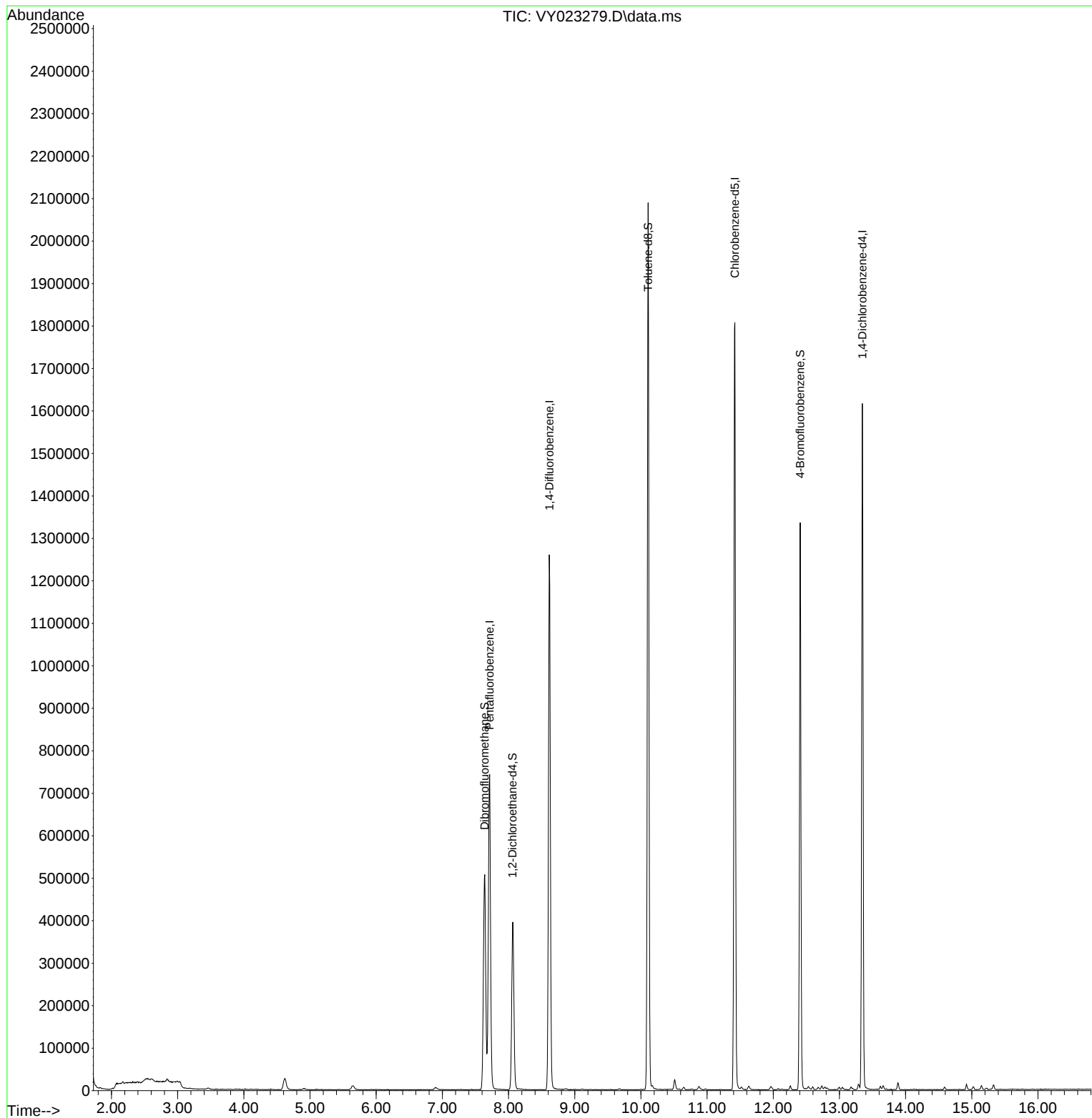
Target Compounds	Qvalue

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

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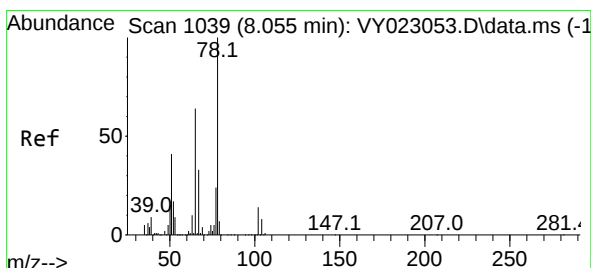
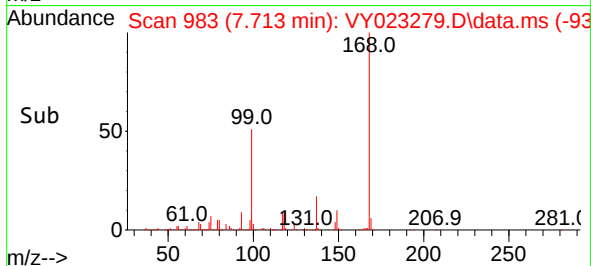
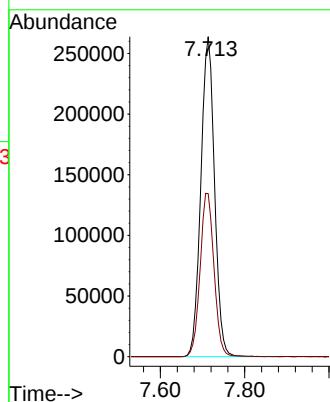
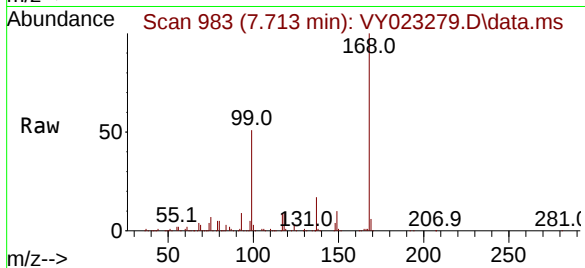




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023279.D
Acq: 04 Sep 2025 09:31

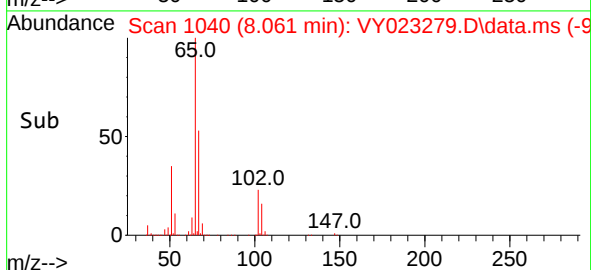
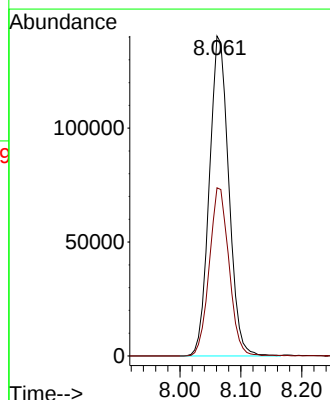
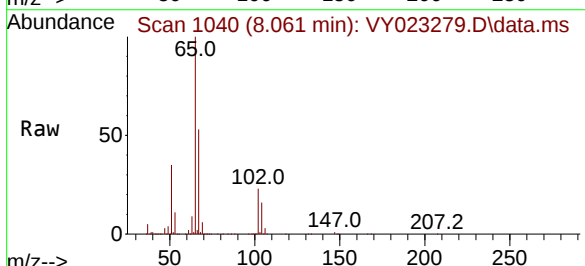
Instrument :
MSVOA_Y
ClientSampleId :
VY0904SBL01

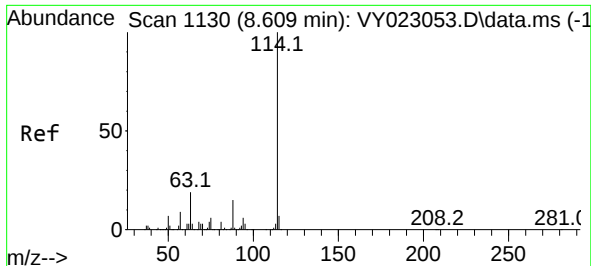
Tgt Ion:168 Resp: 597742
Ion Ratio Lower Upper
168 100
99 50.9 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 54.594 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023279.D
Acq: 04 Sep 2025 09:31

Tgt Ion: 65 Resp: 311016
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY023279.D

Acq: 04 Sep 2025 09:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0904SBL01

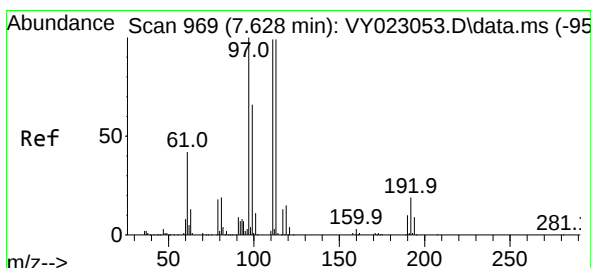
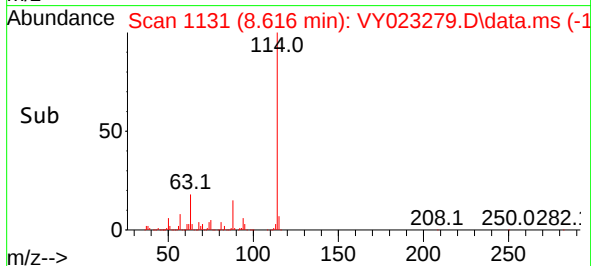
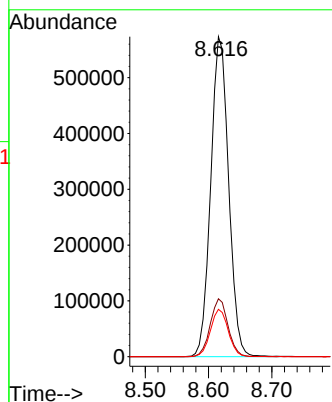
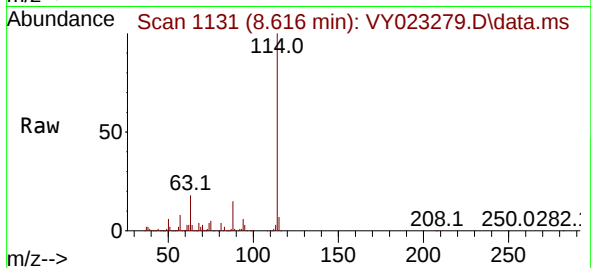
Tgt Ion:114 Resp: 1129657

Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

88 14.8 0.0 30.0



#35

Dibromofluoromethane

Concen: 54.791 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY023279.D

Acq: 04 Sep 2025 09:31

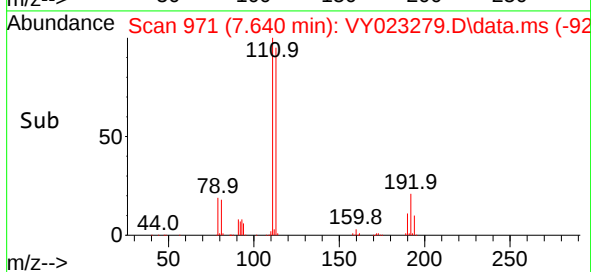
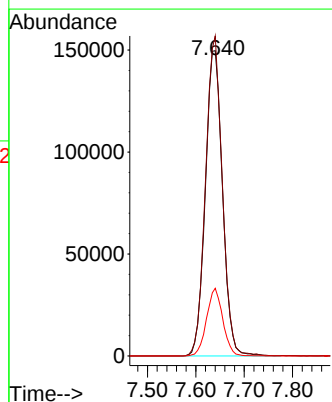
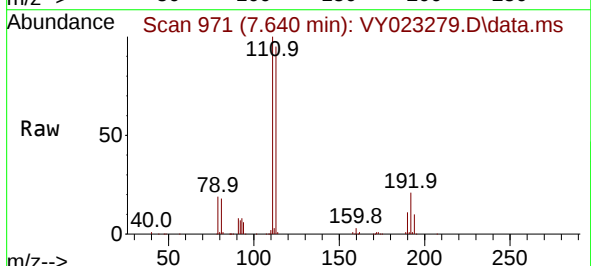
Tgt Ion:113 Resp: 370357

Ion Ratio Lower Upper

113 100

111 102.0 81.1 121.7

192 20.9 16.2 24.4

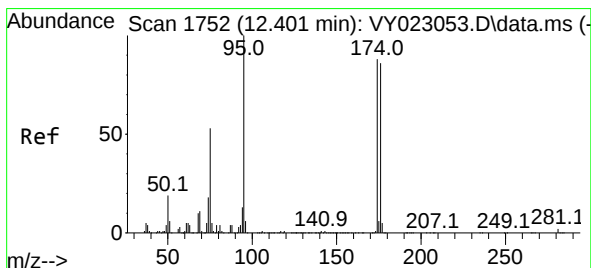
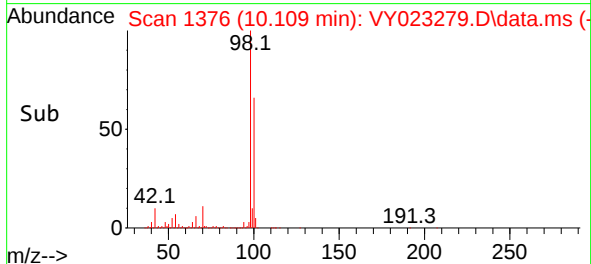
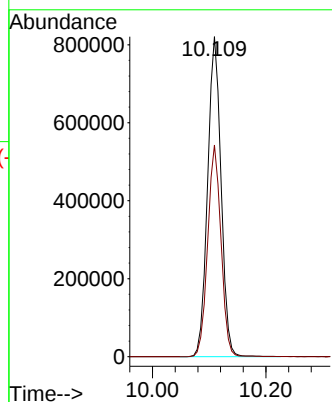
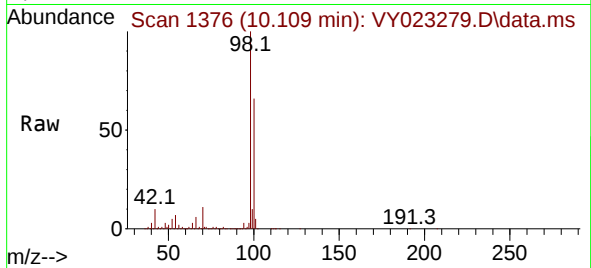




#50
Toluene-d8
Concen: 51.047 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023279.D
Acq: 04 Sep 2025 09:31

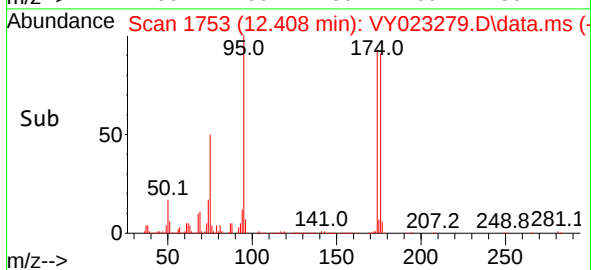
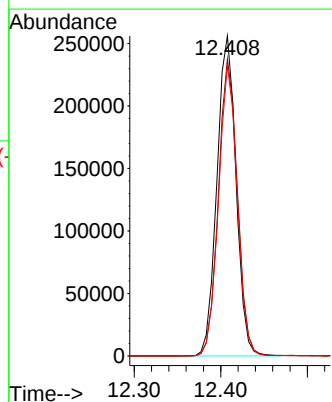
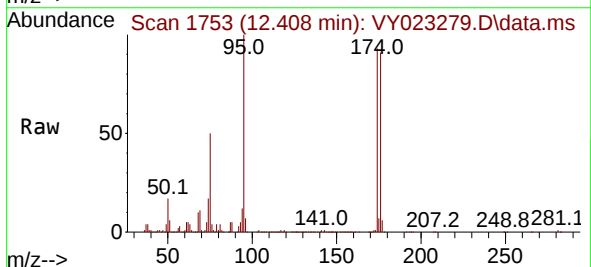
Instrument :
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ClientSampleId :
VY0904SBL01

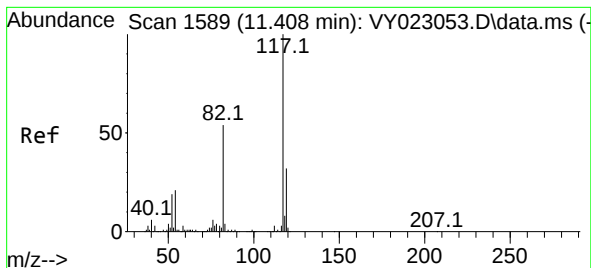
Tgt Ion: 98 Resp: 1347973
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 46.257 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023279.D
Acq: 04 Sep 2025 09:31

Tgt Ion: 95 Resp: 392829
Ion Ratio Lower Upper
95 100
174 92.3 0.0 171.6
176 88.8 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023279.D

Acq: 04 Sep 2025 09:31

Instrument :

MSVOA_Y

ClientSampleId :

VY0904SBL01

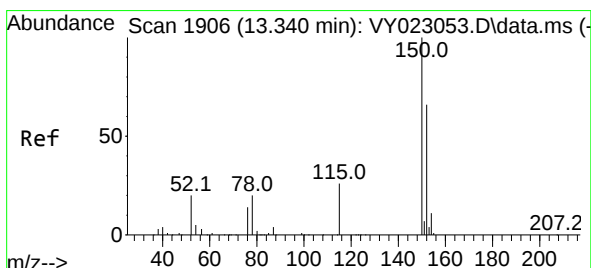
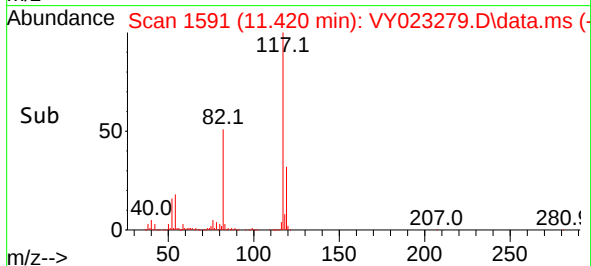
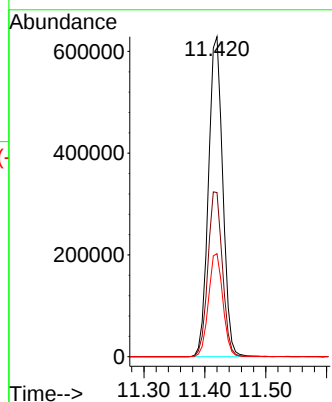
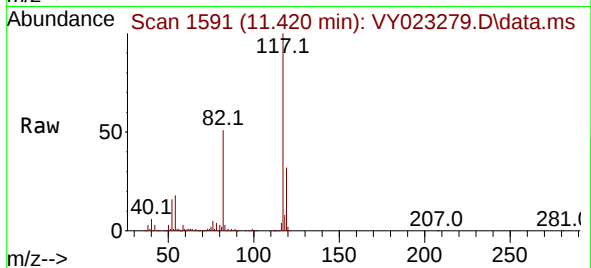
Tgt Ion:117 Resp: 1027478

Ion Ratio Lower Upper

117 100

82 51.3 43.4 65.0

119 32.2 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023279.D

Acq: 04 Sep 2025 09:31

Tgt Ion:152 Resp: 414652

Ion Ratio Lower Upper

152 100

115 55.6 28.2 84.6

150 156.4 0.0 348.0

