

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023179.D
 Acq On : 20 Aug 2025 16:32
 Operator : SY/MD
 Sample : Q2892-11
 Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FRONT-1-FLOOR-F

Quant Time: Aug 21 01:40:55 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	7.707	168	486603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	905782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	805970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	312976	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	263323	56.779	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.560%
35) Dibromofluoromethane	7.634	113	286482	52.857	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.720%
50) Toluene-d8	10.103	98	1093222	51.632	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.260%
62) 4-Bromofluorobenzene	12.402	95	312300	45.864	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.720%

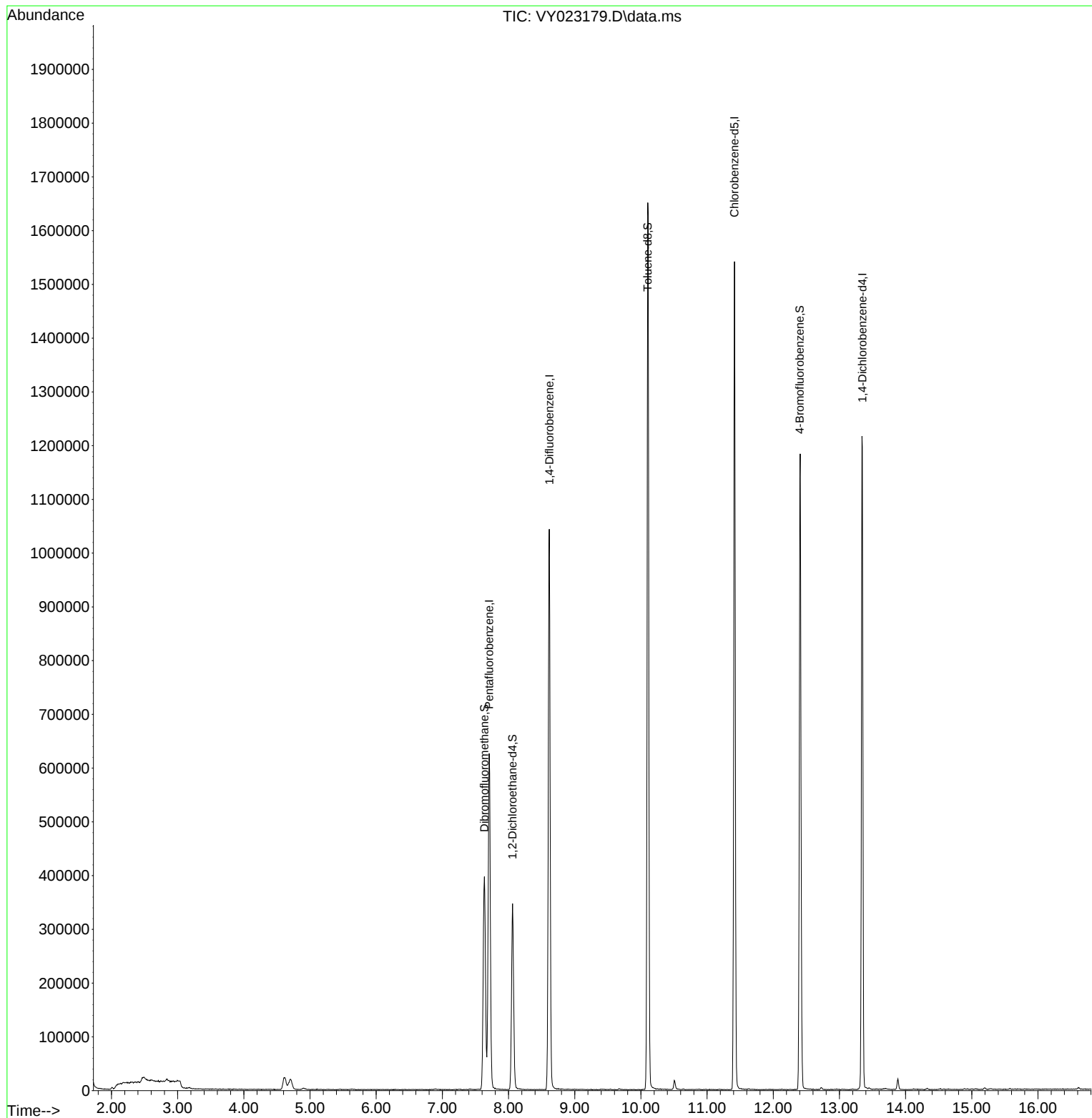
Target Compounds	Qvalue

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

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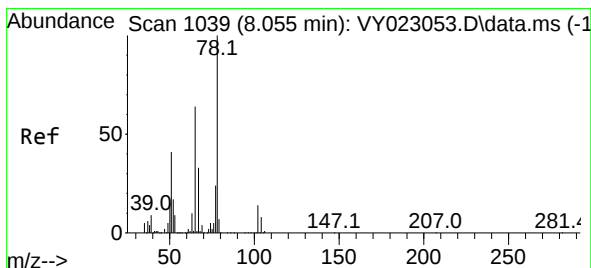
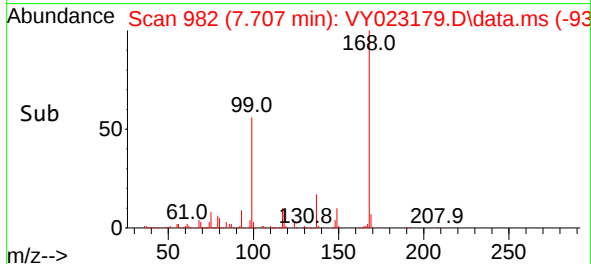
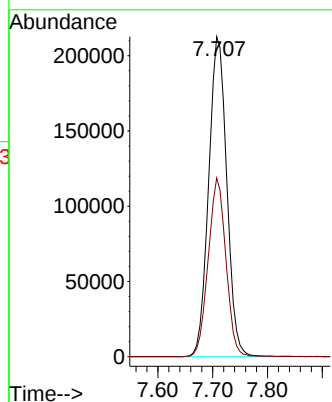
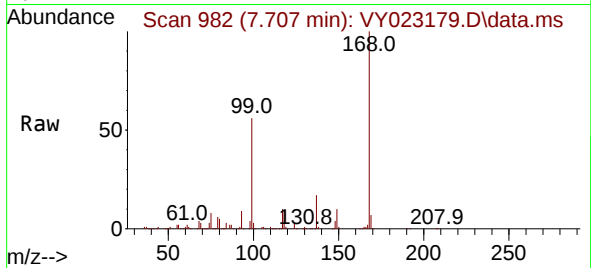




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023179.D
Acq: 20 Aug 2025 16:32

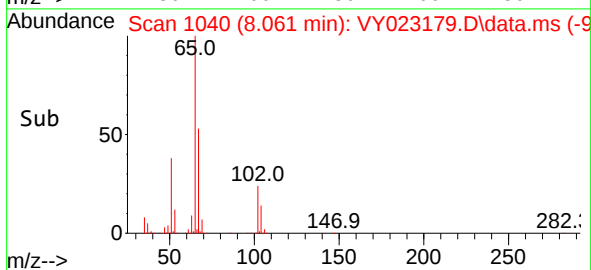
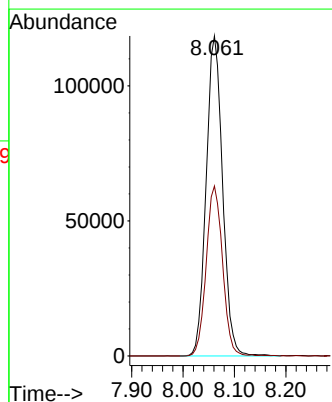
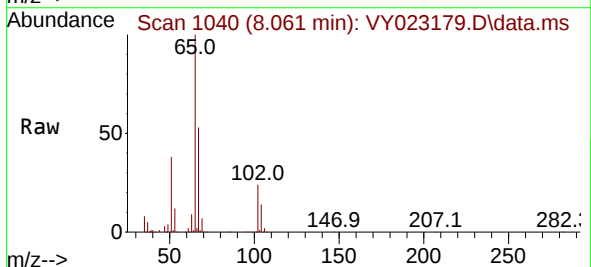
Instrument :
MSVOA_Y
ClientSampleId :
FRONT-1-FLOOR-F

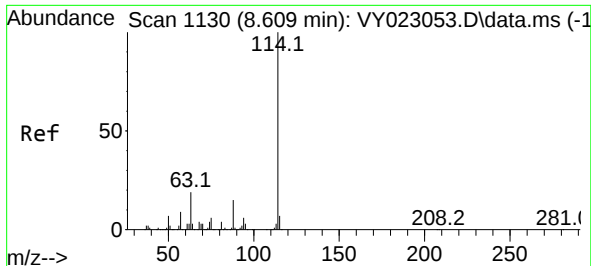
Tgt Ion:168 Resp: 486603
Ion Ratio Lower Upper
168 100
99 55.9 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 56.779 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023179.D
Acq: 20 Aug 2025 16:32

Tgt Ion: 65 Resp: 263323
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.8

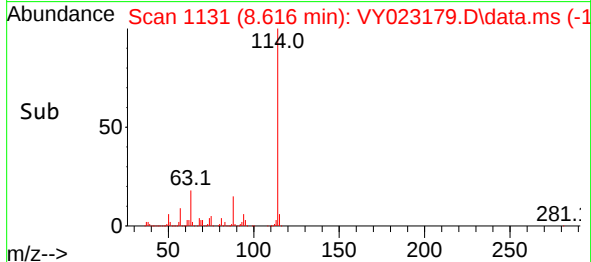
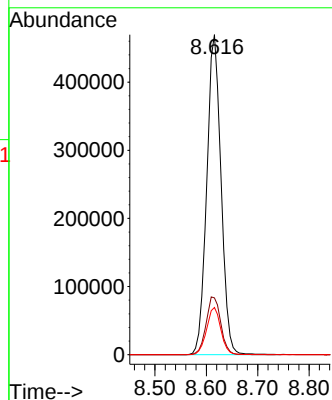
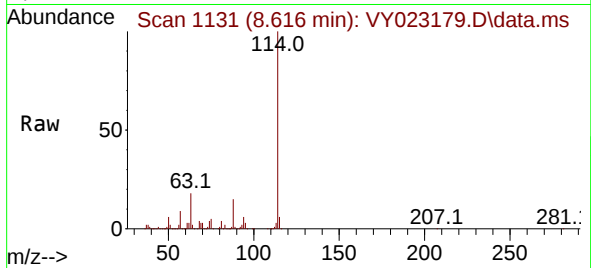




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023179.D
Acq: 20 Aug 2025 16:32

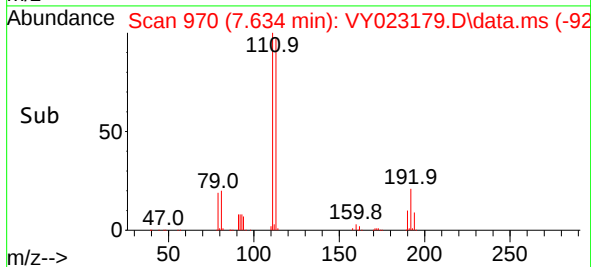
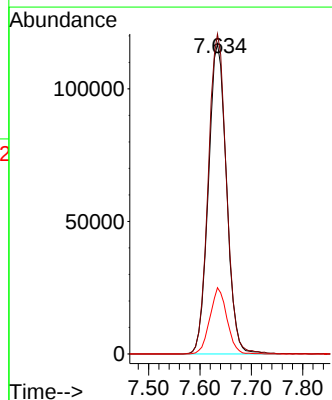
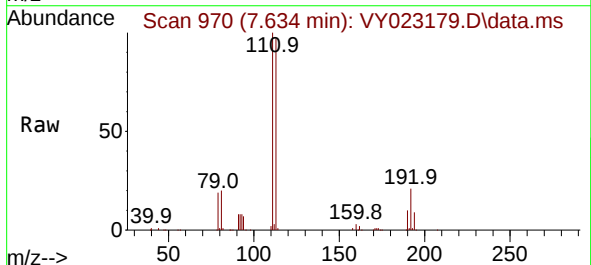
Instrument :
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ClientSampleId :
FRONT-1-FLOOR-F

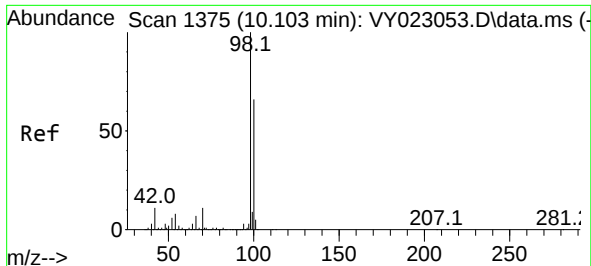
Tgt Ion:114 Resp: 905782
Ion Ratio Lower Upper
114 100
63 17.7 0.0 38.4
88 14.8 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.857 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023179.D
Acq: 20 Aug 2025 16:32

Tgt Ion:113 Resp: 286482
Ion Ratio Lower Upper
113 100
111 103.5 81.1 121.7
192 20.1 16.2 24.4

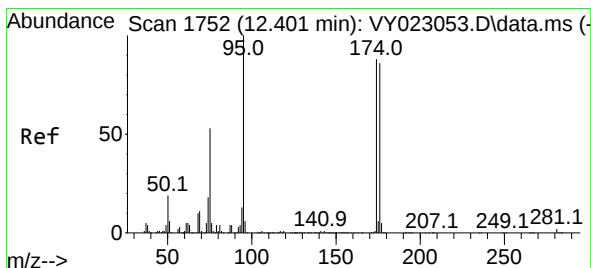
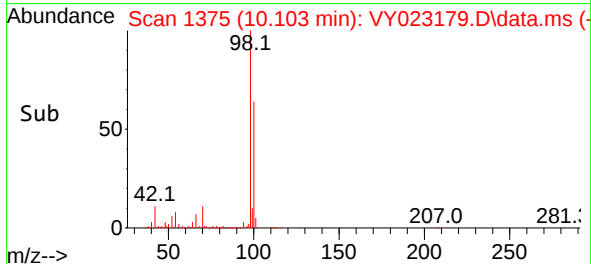
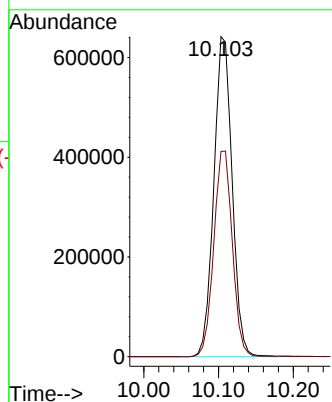
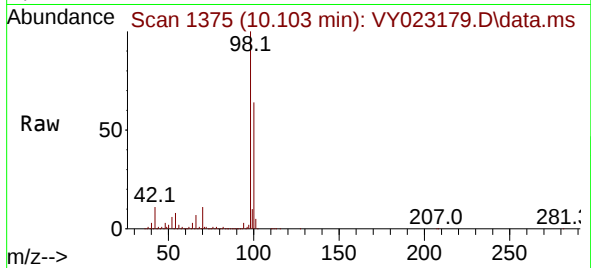




#50
Toluene-d8
Concen: 51.632 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023179.D
Acq: 20 Aug 2025 16:32

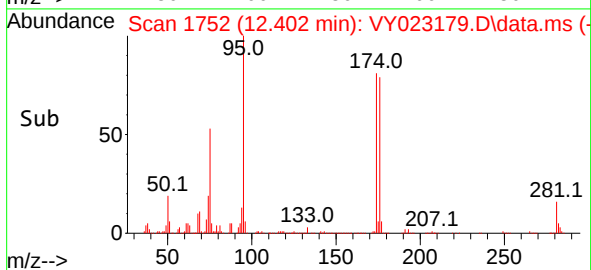
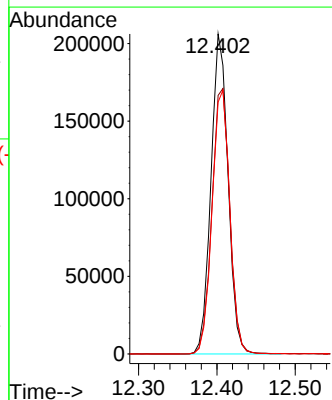
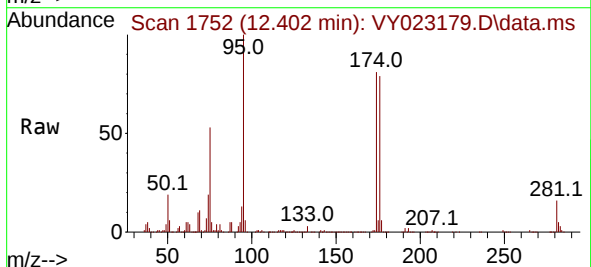
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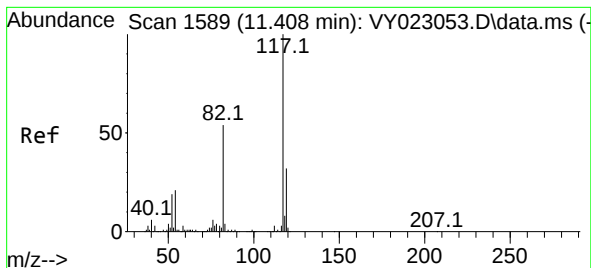
Tgt Ion: 98 Resp: 1093222
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 45.864 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023179.D
Acq: 20 Aug 2025 16:32

Tgt Ion: 95 Resp: 312300
Ion Ratio Lower Upper
95 100
174 86.9 0.0 171.6
176 85.3 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: VY023179.D

Acq: 20 Aug 2025 16:32

Instrument :

MSVOA_Y

ClientSampleId :

FRONT-1-FLOOR-F

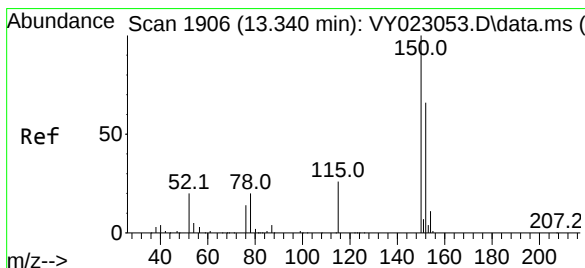
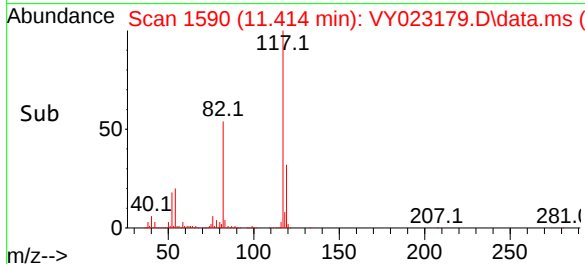
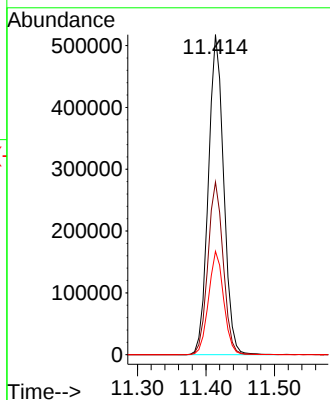
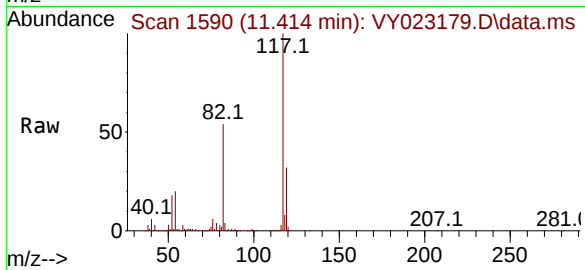
Tgt Ion:117 Resp: 805970

Ion Ratio Lower Upper

117 100

82 54.0 43.4 65.0

119 32.3 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: VY023179.D

Acq: 20 Aug 2025 16:32

Tgt Ion:152 Resp: 312976

Ion Ratio Lower Upper

152 100

115 56.6 28.2 84.6

150 156.7 0.0 348.0

