

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
 Data File : VY023294.D
 Acq On : 05 Sep 2025 12:02
 Operator : SY/MD
 Sample : Q3027-01
 Misc : 5.54g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-01-09042025

Quant Time: Sep 06 01:55:03 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	87853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	126875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	104166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	34548	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	40937	48.892	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.780%
35) Dibromofluoromethane	7.634	113	46012	60.608	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	121.220%
50) Toluene-d8	10.103	98	145086	48.920	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.840%
62) 4-Bromofluorobenzene	12.402	95	35042	36.740	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	73.480%

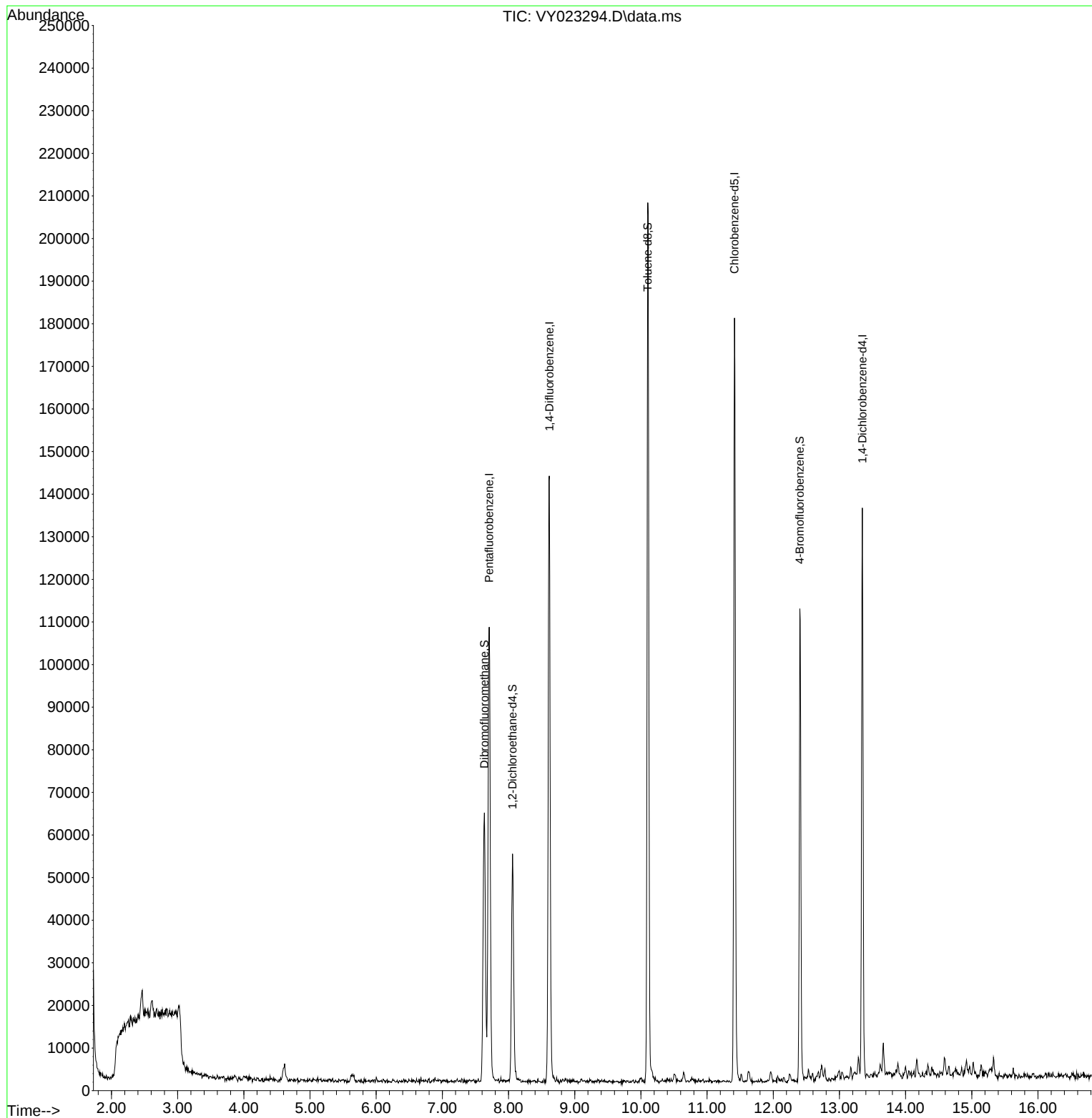
Target Compounds	Qvalue

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

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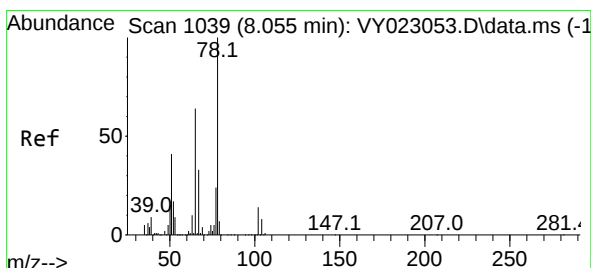
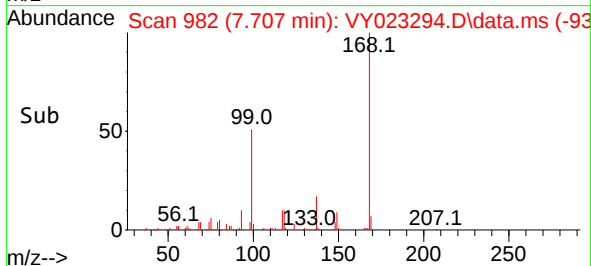
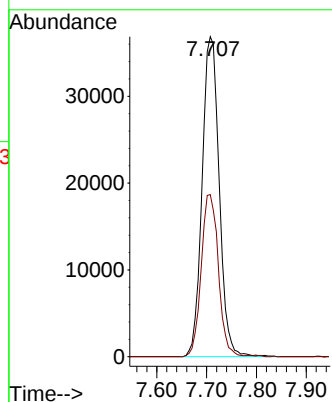
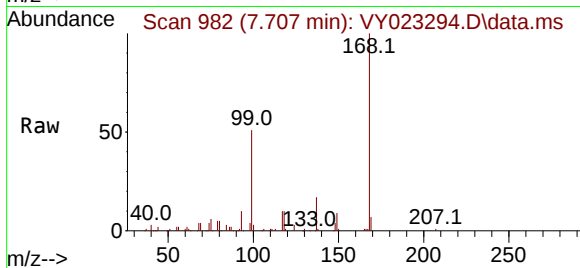




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023294.D
Acq: 05 Sep 2025 12:02

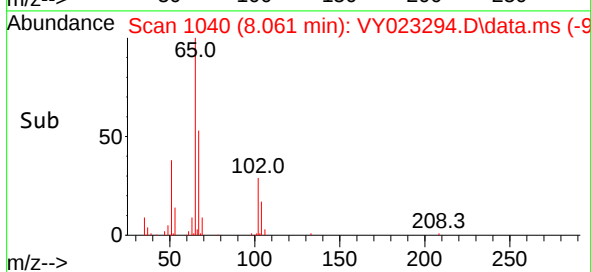
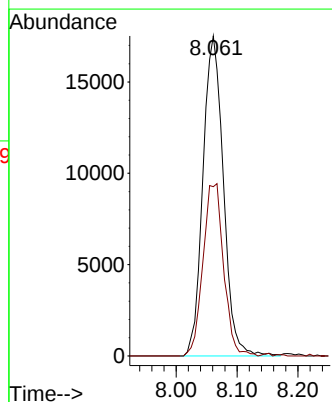
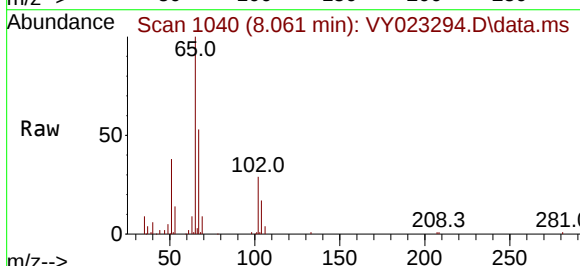
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-09042025

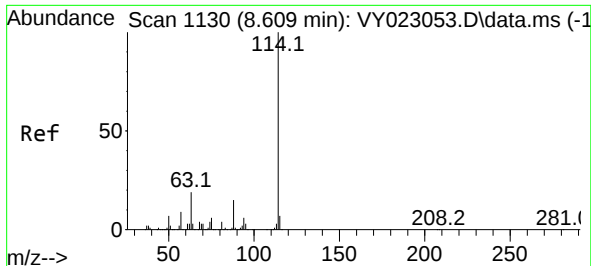
Tgt Ion:168 Resp: 87853
Ion Ratio Lower Upper
168 100
99 50.7 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 48.892 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023294.D
Acq: 05 Sep 2025 12:02

Tgt Ion: 65 Resp: 40937
Ion Ratio Lower Upper
65 100
67 54.2 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023294.D

Acq: 05 Sep 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

HD-01-09042025

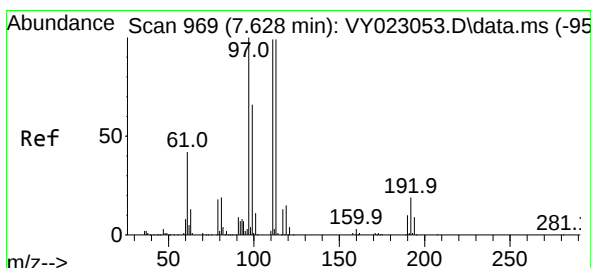
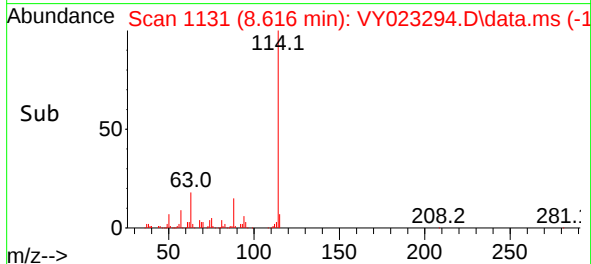
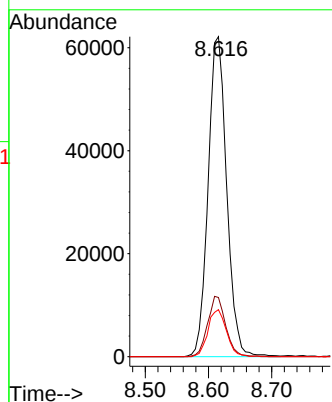
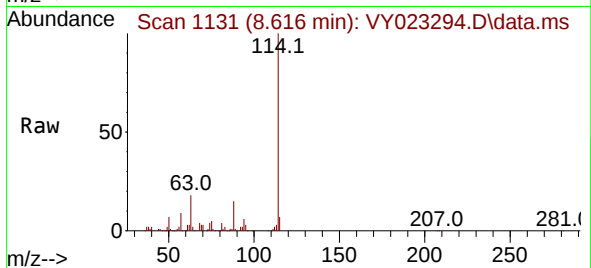
Tgt Ion:114 Resp: 126875

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

88 14.7 0.0 30.0



#35

Dibromofluoromethane

Concen: 60.608 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023294.D

Acq: 05 Sep 2025 12:02

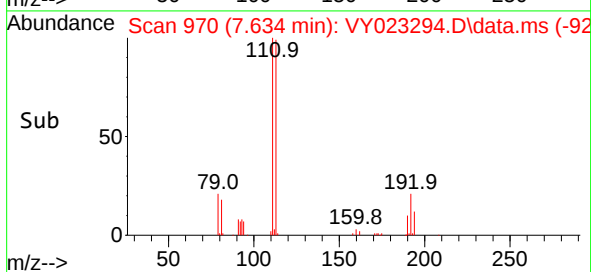
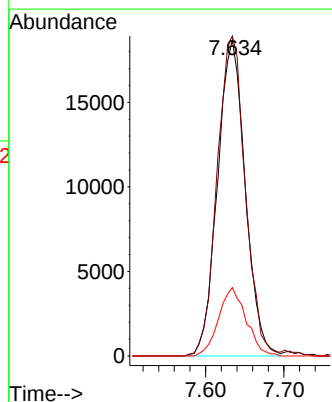
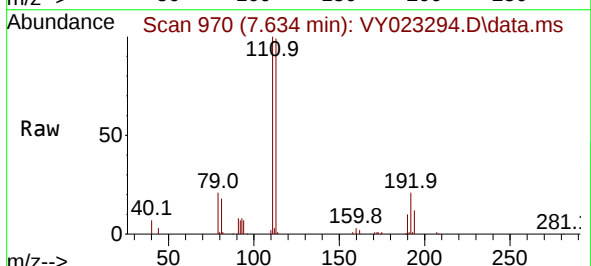
Tgt Ion:113 Resp: 46012

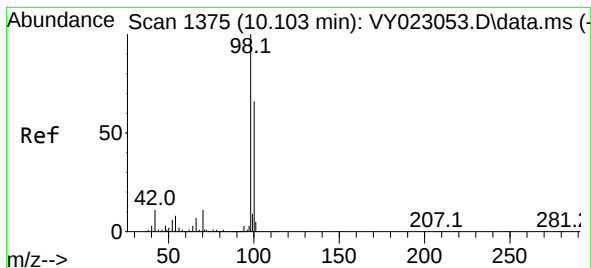
Ion Ratio Lower Upper

113 100

111 102.4 81.1 121.7

192 21.5 16.2 24.4





#50

Toluene-d8

Concen: 48.920 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023294.D

Acq: 05 Sep 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

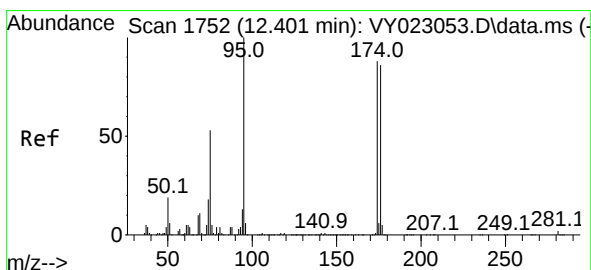
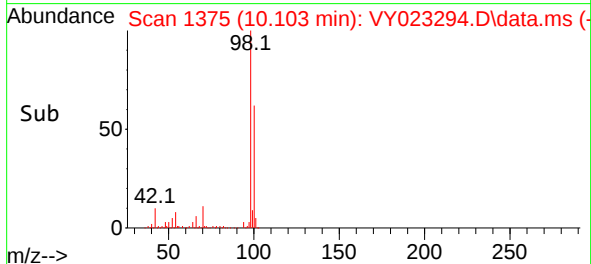
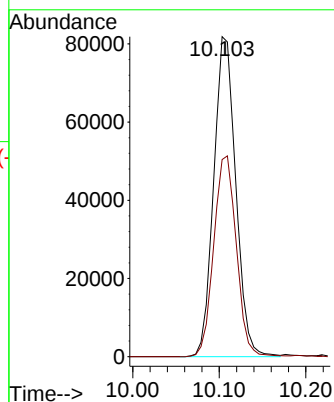
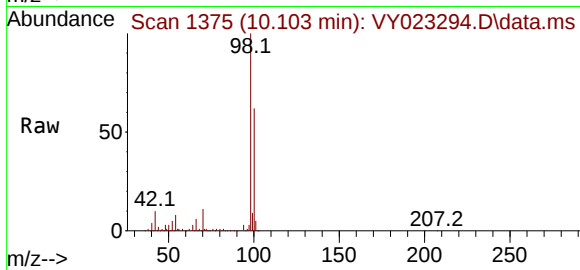
HD-01-09042025

Tgt Ion: 98 Resp: 145086

Ion Ratio Lower Upper

98 100

100 64.1 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 36.740 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023294.D

Acq: 05 Sep 2025 12:02

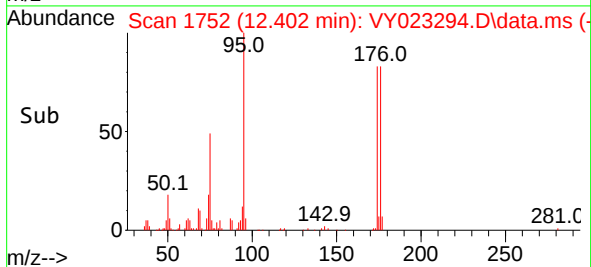
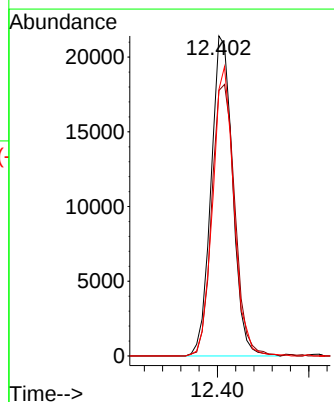
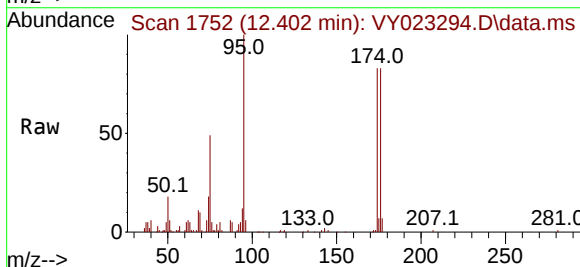
Tgt Ion: 95 Resp: 35042

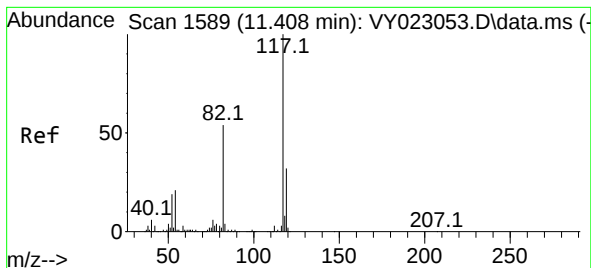
Ion Ratio Lower Upper

95 100

174 90.9 0.0 171.6

176 88.8 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: VY023294.D

Acq: 05 Sep 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

HD-01-09042025

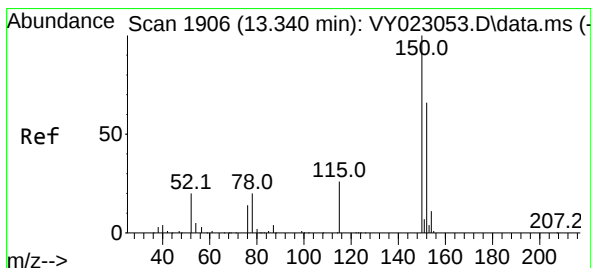
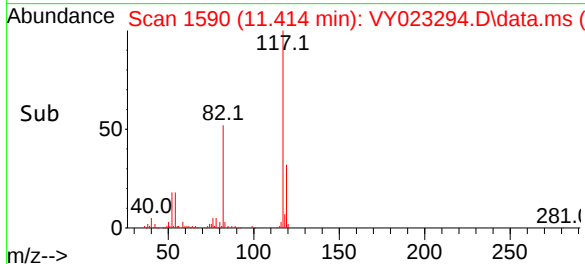
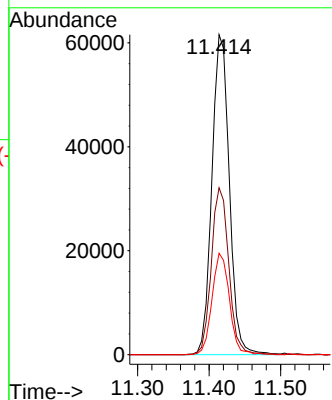
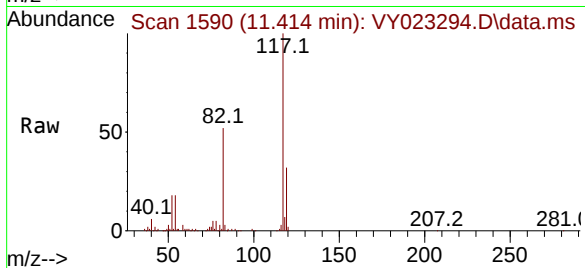
Tgt Ion:117 Resp: 104166

Ion Ratio Lower Upper

117 100

82 52.2 43.4 65.0

119 31.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023294.D

Acq: 05 Sep 2025 12:02

Tgt Ion:152 Resp: 34548

Ion Ratio Lower Upper

152 100

115 54.9 28.2 84.6

150 161.2 0.0 348.0

