

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
 Data File : VY023296.D
 Acq On : 05 Sep 2025 13:15
 Operator : SY/MD
 Sample : Q3027-01
 Misc : 5.33g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-01-09042025

Quant Time: Sep 06 01:55:56 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	563677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1063342	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	986460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	413215	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	316013	58.823	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.640%
35) Dibromofluoromethane	7.628	113	351262	55.206	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.420%
50) Toluene-d8	10.103	98	1275893	51.330	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.660%
62) 4-Bromofluorobenzene	12.402	95	391389	48.962	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.920%

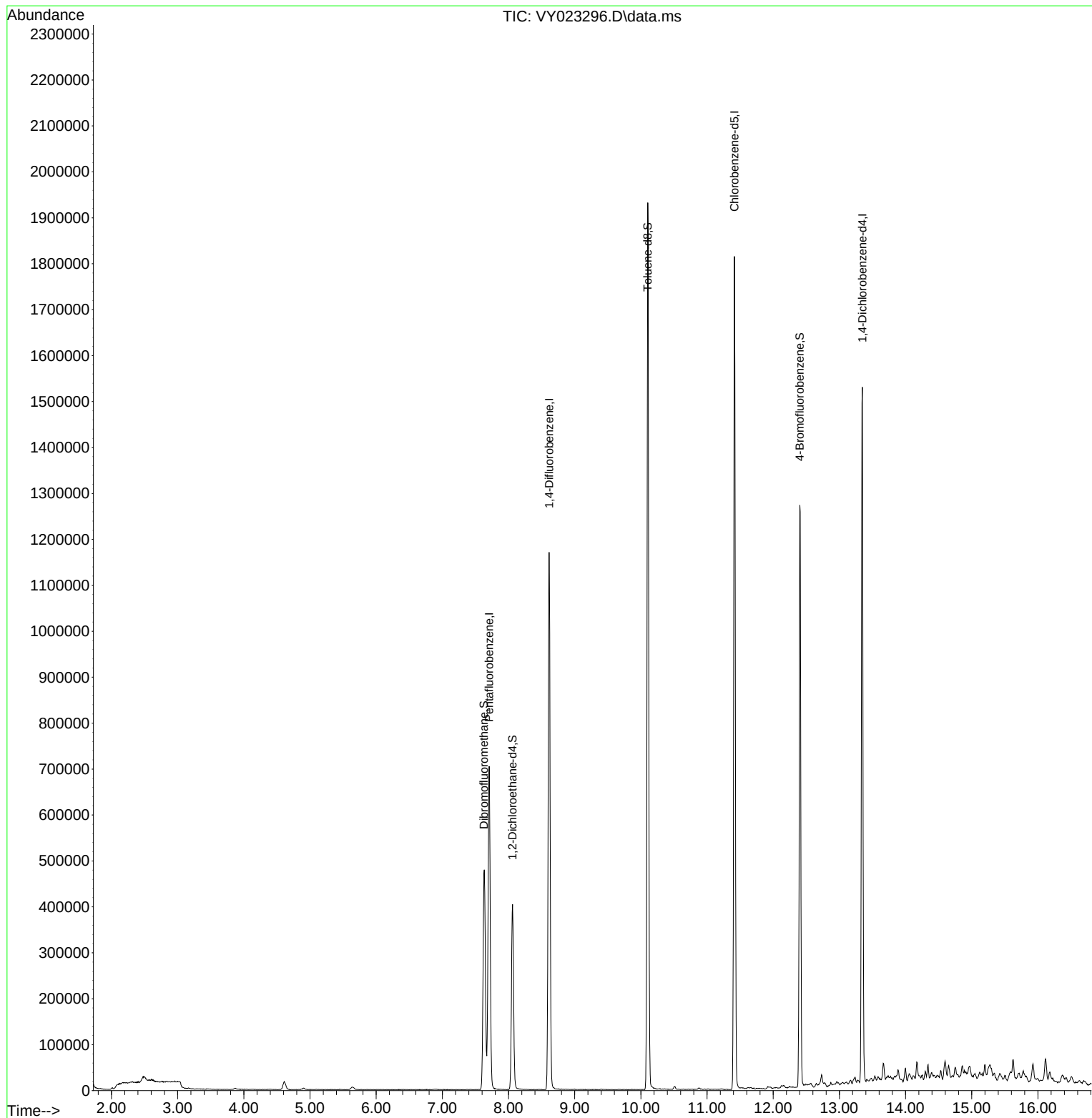
Target Compounds	Qvalue

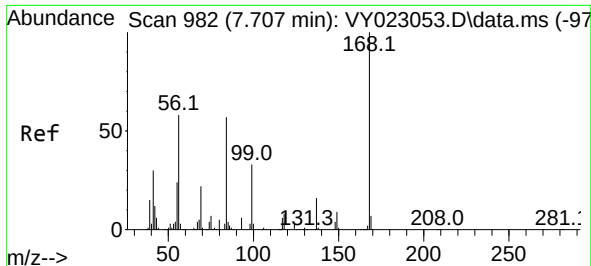
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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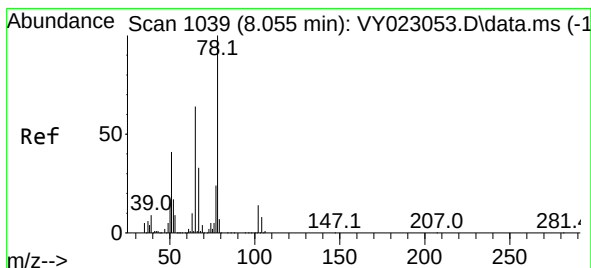
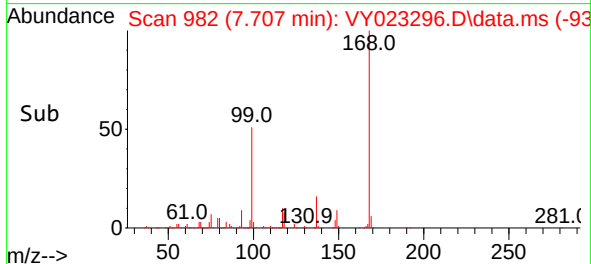
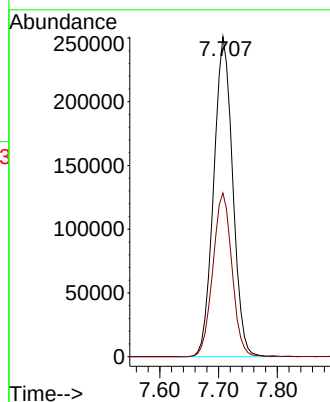
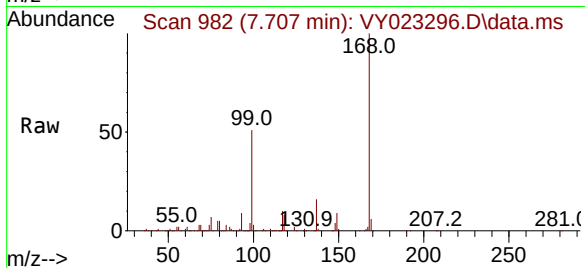




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023296.D
Acq: 05 Sep 2025 13:15

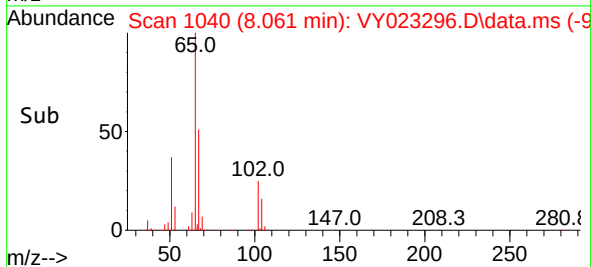
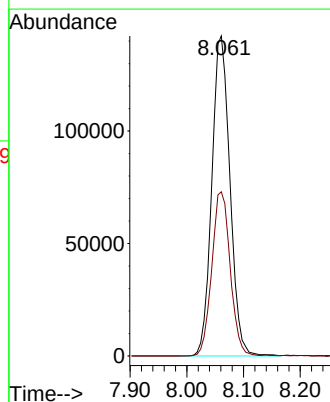
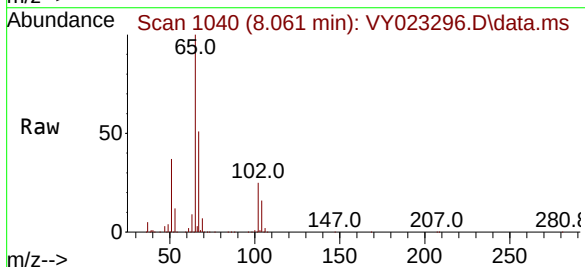
Instrument :
MSVOA_Y
ClientSampleId :
HD-01-09042025

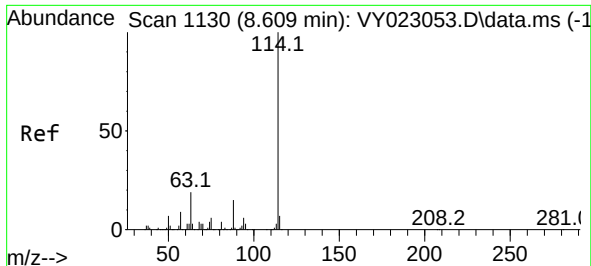
Tgt Ion:168 Resp: 563677
Ion Ratio Lower Upper
168 100
99 51.1 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 58.823 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023296.D
Acq: 05 Sep 2025 13:15

Tgt Ion: 65 Resp: 316013
Ion Ratio Lower Upper
65 100
67 52.1 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: VY023296.D

Acq: 05 Sep 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

HD-01-09042025

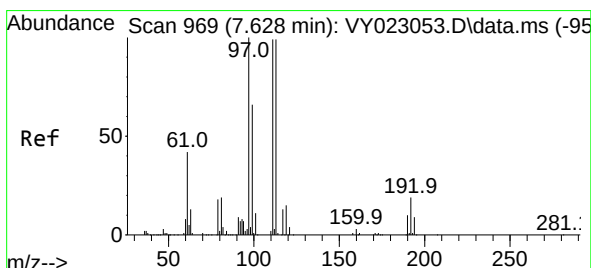
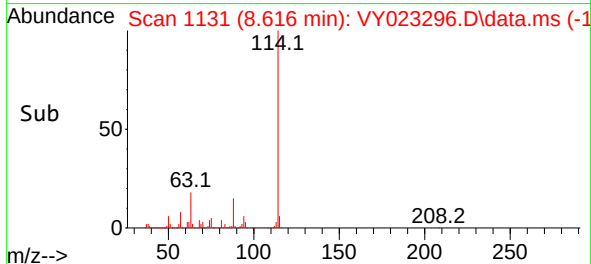
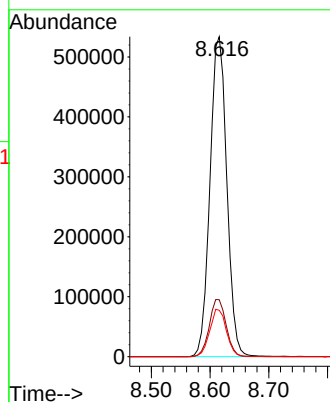
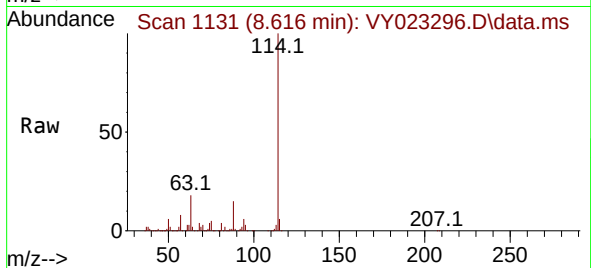
Tgt Ion:114 Resp: 1063342

Ion Ratio Lower Upper

114 100

63 17.8 0.0 38.4

88 14.5 0.0 30.0



#35

Dibromofluoromethane

Concen: 55.206 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY023296.D

Acq: 05 Sep 2025 13:15

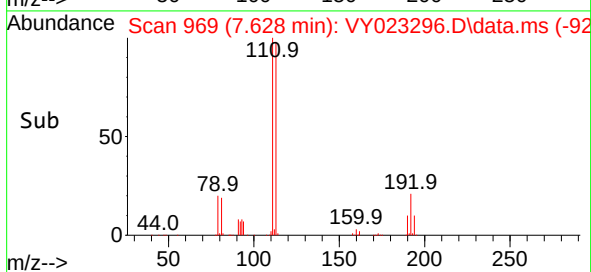
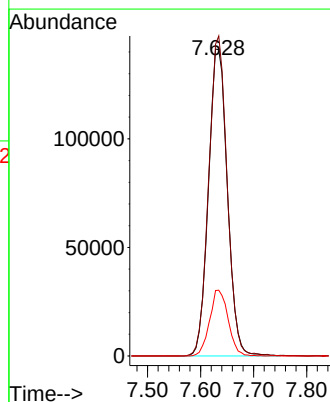
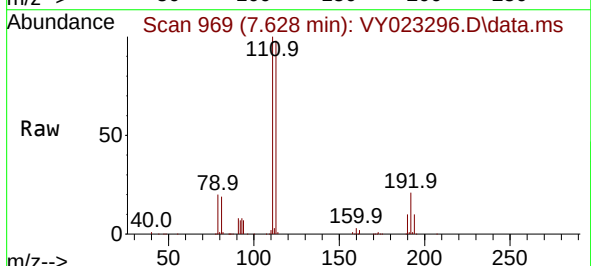
Tgt Ion:113 Resp: 351262

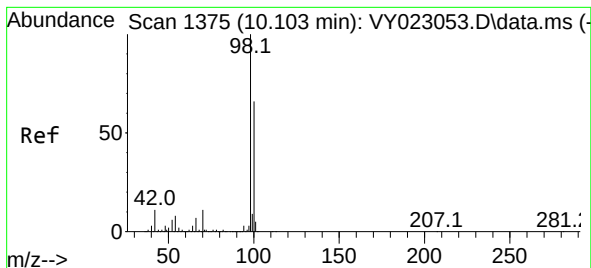
Ion Ratio Lower Upper

113 100

111 101.6 81.1 121.7

192 21.0 16.2 24.4

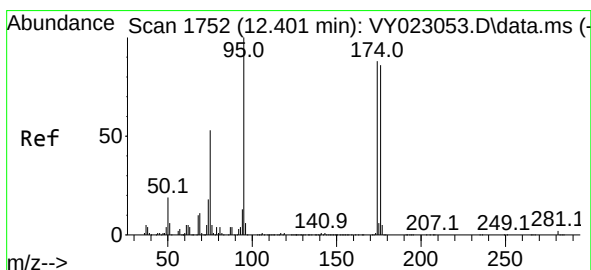
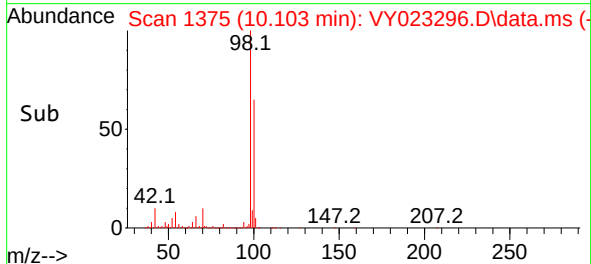
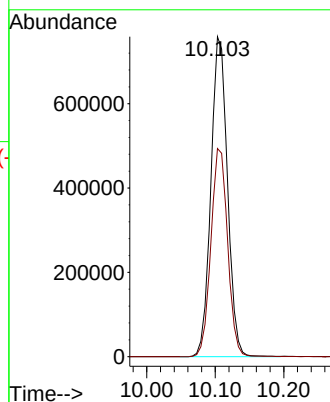
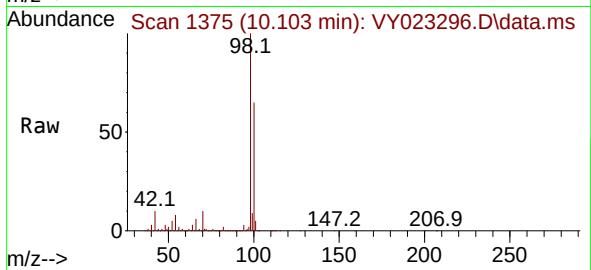




#50
Toluene-d8
Concen: 51.330 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023296.D
Acq: 05 Sep 2025 13:15

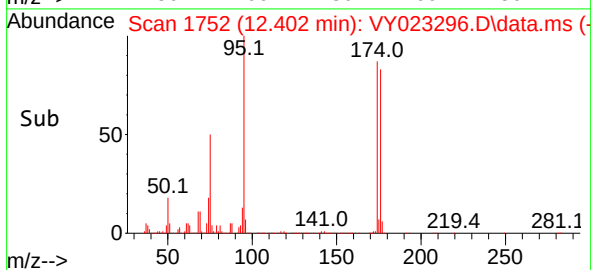
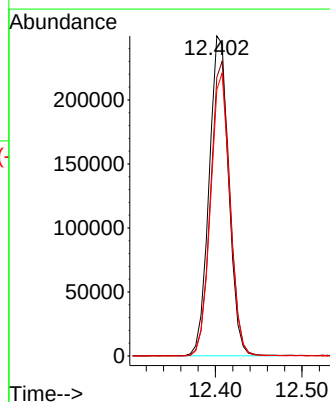
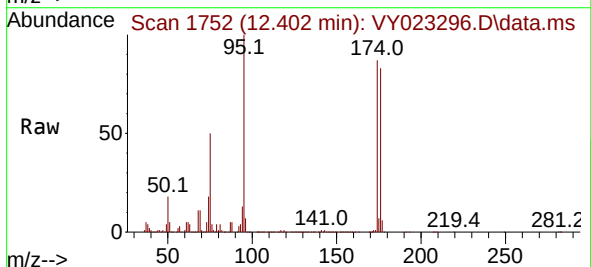
Instrument :
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HD-01-09042025

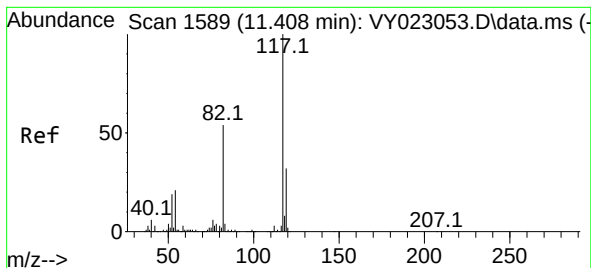
Tgt Ion: 98 Resp: 1275893
Ion Ratio Lower Upper
98 100
100 65.8 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 48.962 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023296.D
Acq: 05 Sep 2025 13:15

Tgt Ion: 95 Resp: 391389
Ion Ratio Lower Upper
95 100
174 91.6 0.0 171.6
176 87.6 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: VY023296.D

Acq: 05 Sep 2025 13:15

Instrument :

MSVOA_Y

ClientSampleId :

HD-01-09042025

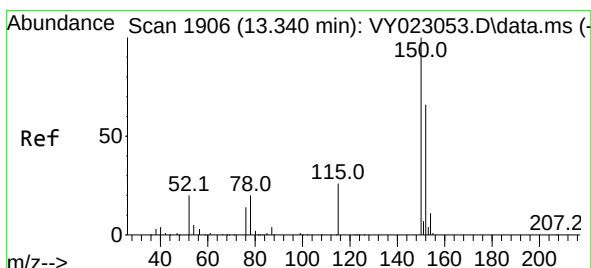
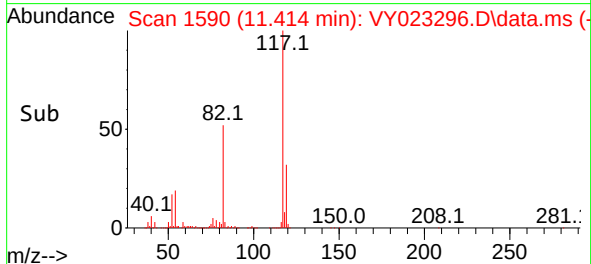
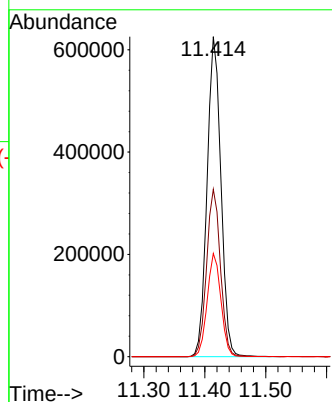
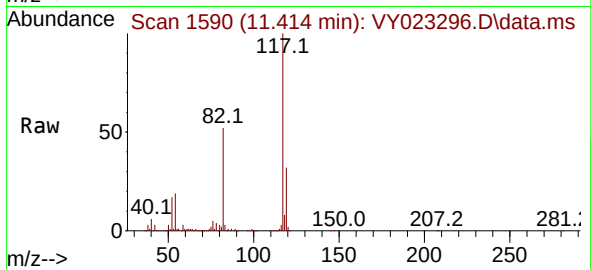
Tgt Ion:117 Resp: 986460

Ion Ratio Lower Upper

117 100

82 52.3 43.4 65.0

119 32.3 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: VY023296.D

Acq: 05 Sep 2025 13:15

Tgt Ion:152 Resp: 413215

Ion Ratio Lower Upper

152 100

115 55.2 28.2 84.6

150 155.5 0.0 348.0

