

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112425\
 Data File : VY023790.D
 Acq On : 24 Nov 2025 15:11
 Operator : SY/MD
 Sample : Q3710-01
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR200028-RT5376-COMP

Quant Time: Nov 26 02:12:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	574633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1040572	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	993648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	372942	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	311032	63.454	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.900%
35) Dibromofluoromethane	7.634	113	338467	52.049	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.100%
50) Toluene-d8	10.109	98	1228034	50.696	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.400%
62) 4-Bromofluorobenzene	12.408	95	383856	49.000	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.000%

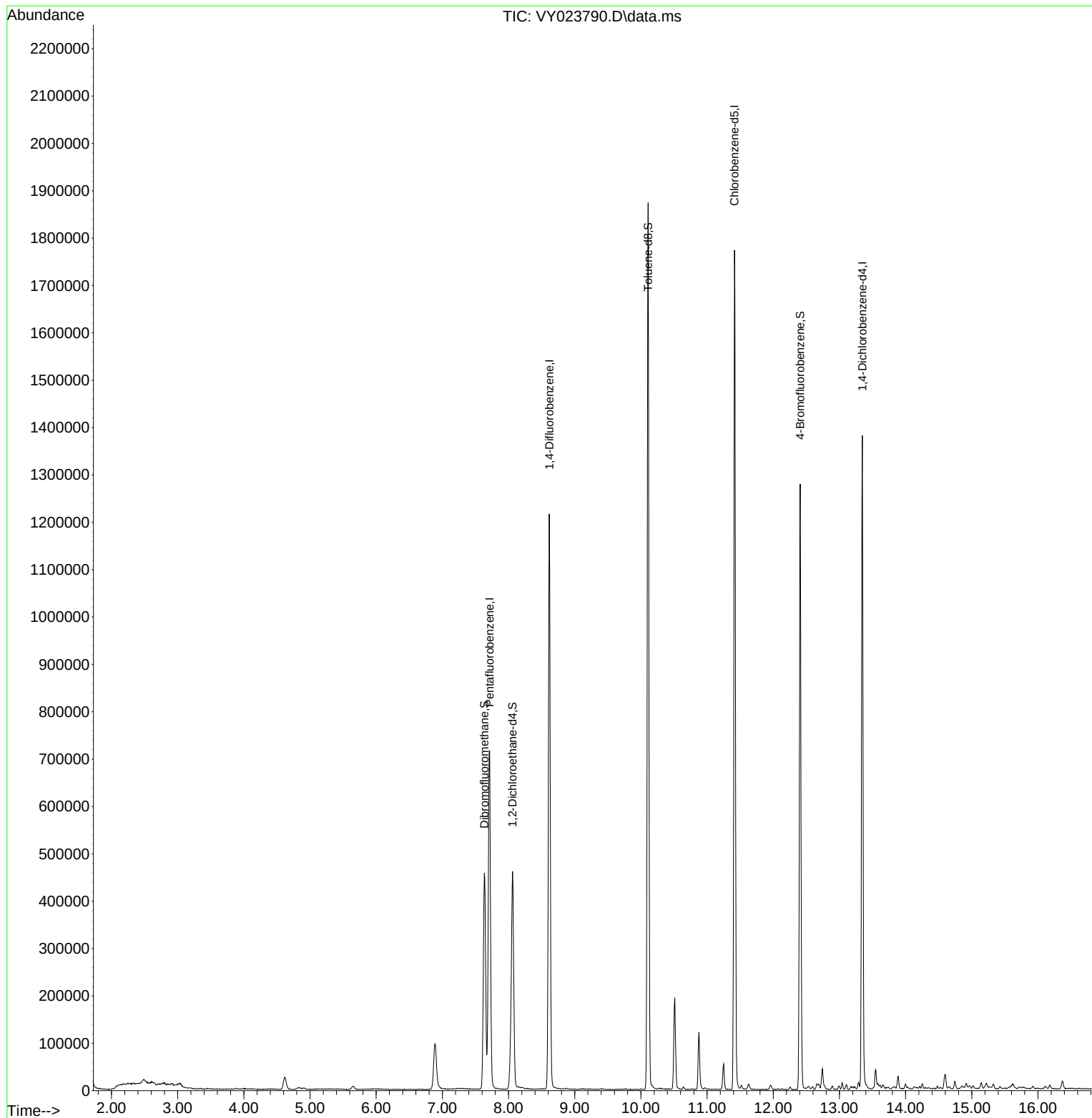
Target Compounds	Qvalue

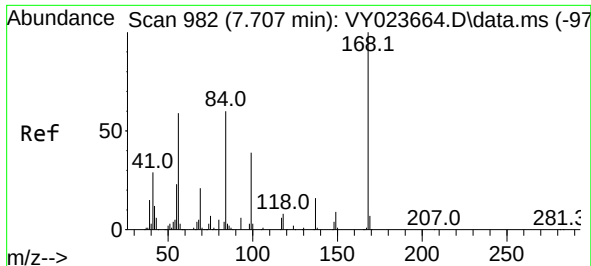
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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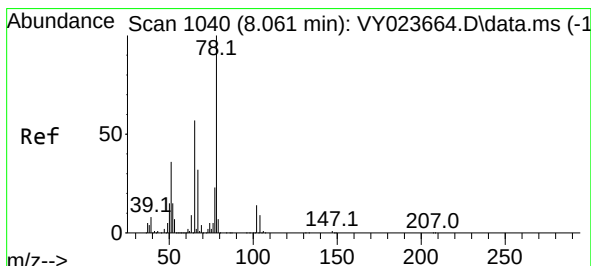
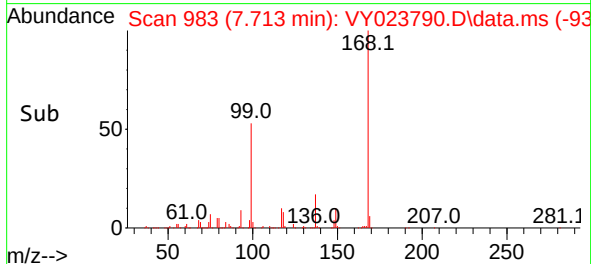
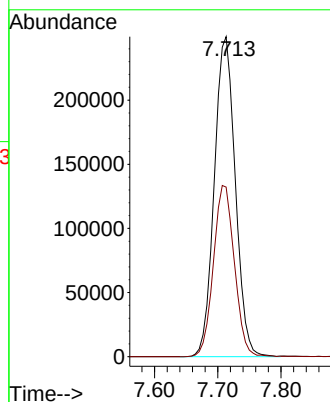
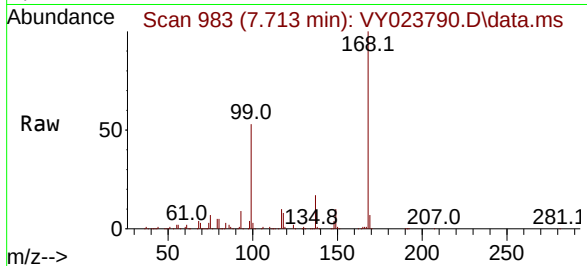




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023790.D
Acq: 24 Nov 2025 15:11

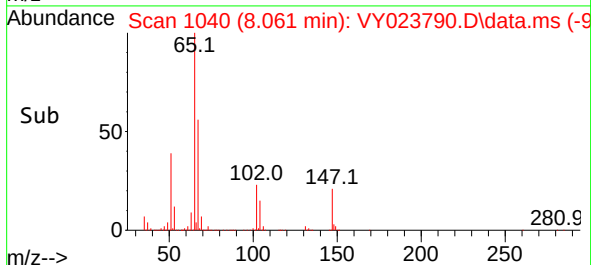
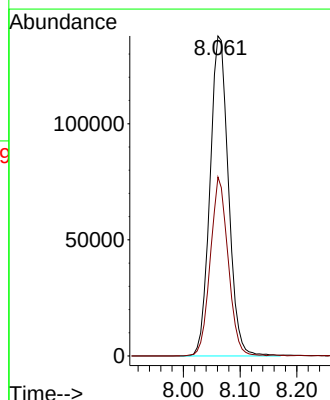
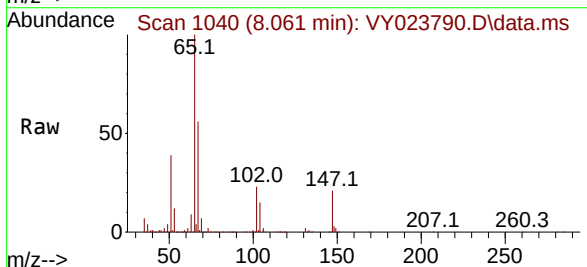
Instrument :
MSVOA_Y
ClientSampleId :
RBR200028-RT5376-COMP

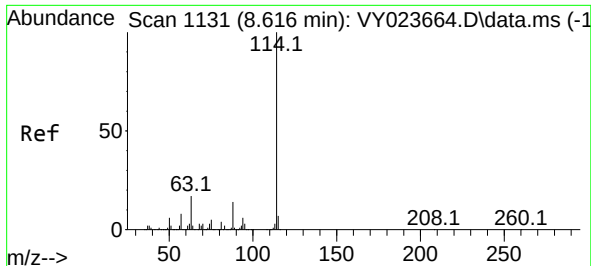
Tgt Ion:168 Resp: 574633
Ion Ratio Lower Upper
168 100
99 53.0 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 63.454 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023790.D
Acq: 24 Nov 2025 15:11

Tgt Ion: 65 Resp: 311032
Ion Ratio Lower Upper
65 100
67 54.1 0.0 107.4

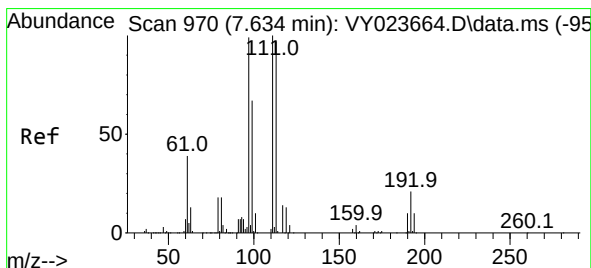
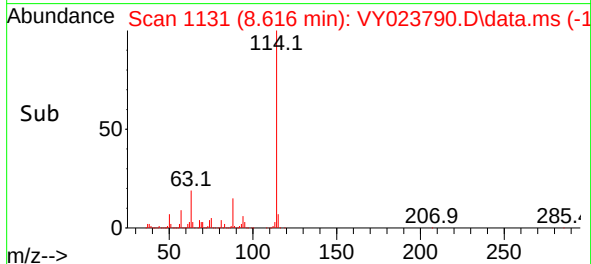
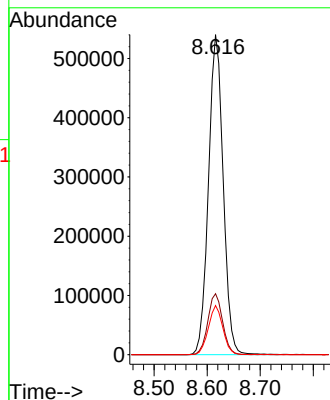
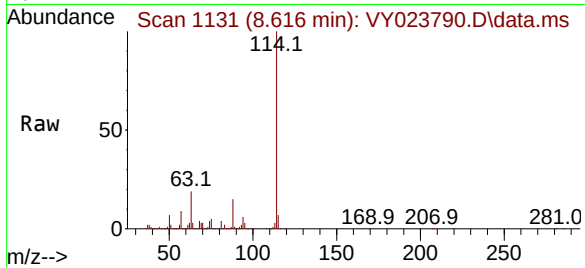




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023790.D
Acq: 24 Nov 2025 15:11

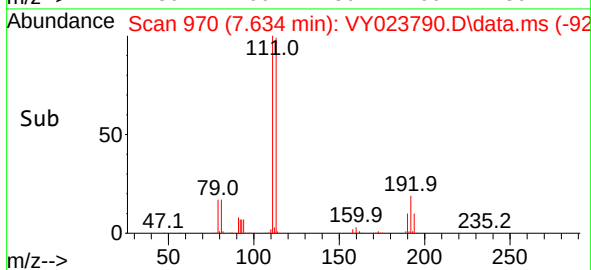
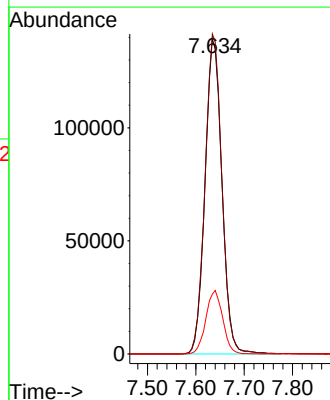
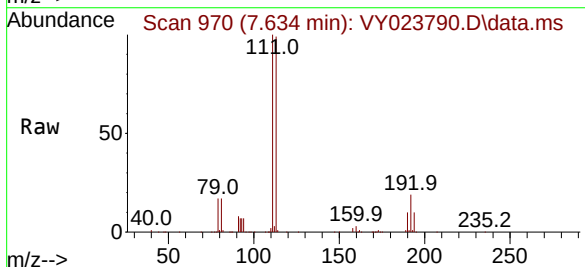
Instrument :
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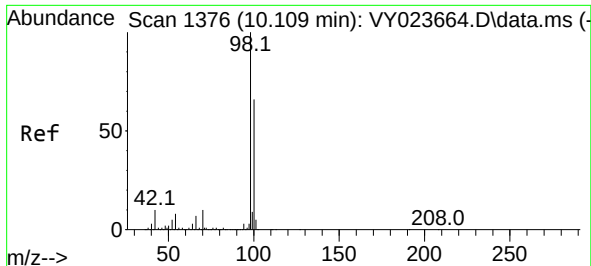
Tgt Ion:114 Resp: 1040572
Ion Ratio Lower Upper
114 100
63 19.0 0.0 33.8
88 15.4 0.0 29.0



#35
Dibromofluoromethane
Concen: 52.049 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023790.D
Acq: 24 Nov 2025 15:11

Tgt Ion:113 Resp: 338467
Ion Ratio Lower Upper
113 100
111 101.6 82.2 123.4
192 20.1 17.3 25.9

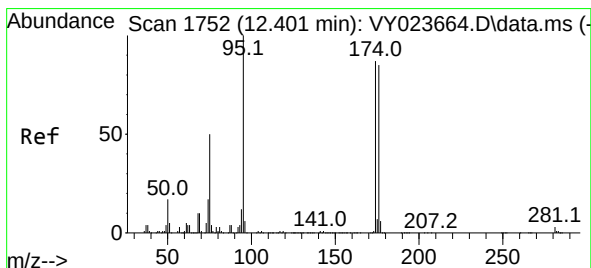
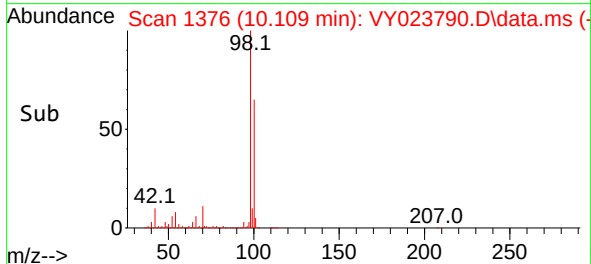
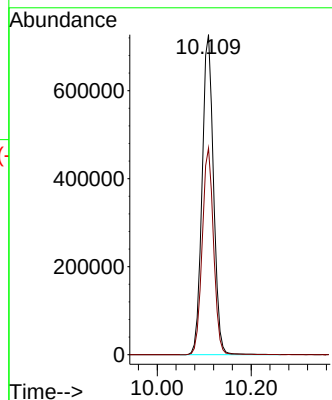
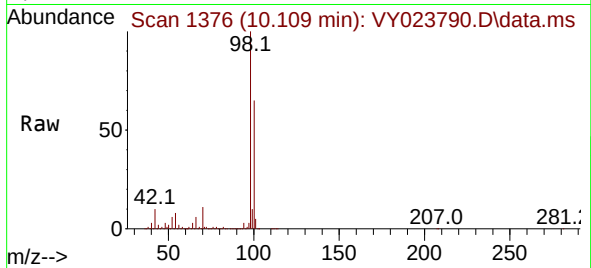




#50
Toluene-d8
Concen: 50.696 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023790.D
Acq: 24 Nov 2025 15:11

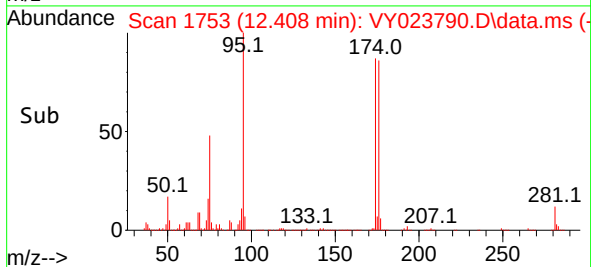
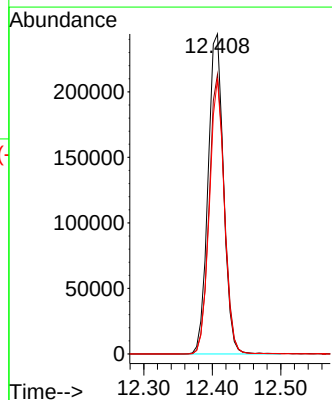
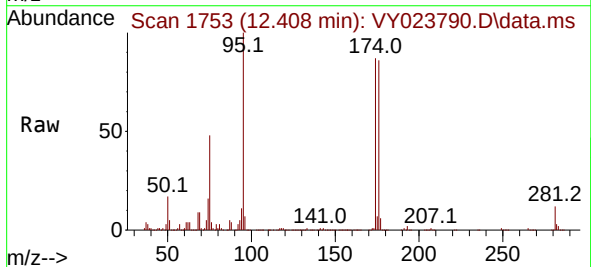
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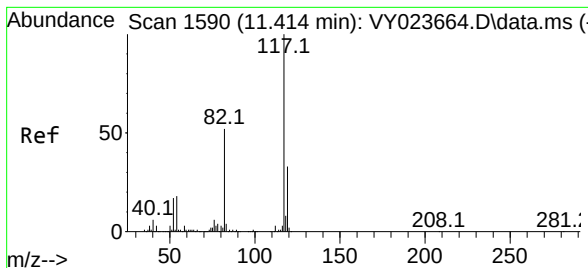
Tgt Ion: 98 Resp: 1228034
Ion Ratio Lower Upper
98 100
100 64.3 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 49.000 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023790.D
Acq: 24 Nov 2025 15:11

Tgt Ion: 95 Resp: 383856
Ion Ratio Lower Upper
95 100
174 86.1 0.0 184.8
176 83.2 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023790.D

Acq: 24 Nov 2025 15:11

Instrument :

MSVOA_Y

ClientSampleId :

RBR200028-RT5376-COMP

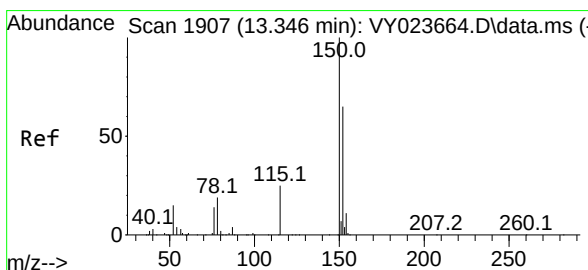
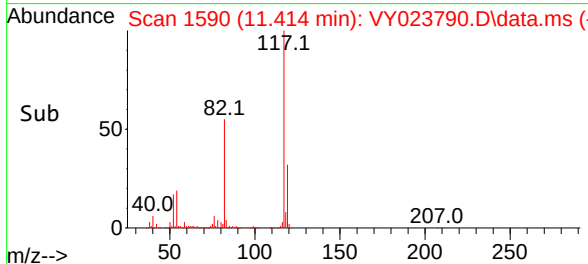
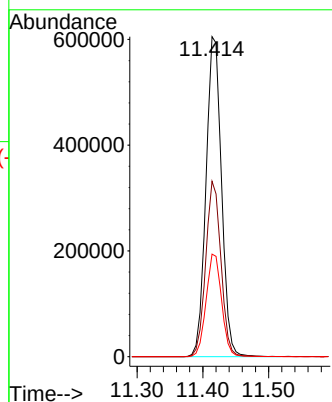
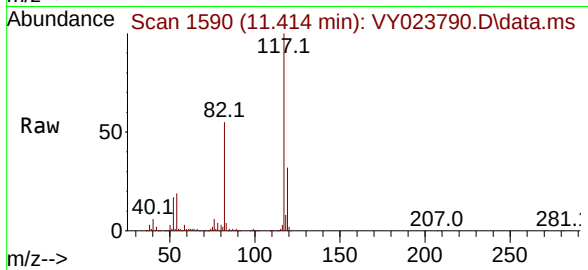
Tgt Ion:117 Resp: 993648

Ion Ratio Lower Upper

117 100

82 54.8 41.2 61.8

119 32.0 26.2 39.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023790.D

Acq: 24 Nov 2025 15:11

Tgt Ion:152 Resp: 372942

Ion Ratio Lower Upper

152 100

115 57.6 27.5 82.5

150 156.9 0.0 349.0

