

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061825\
 Data File : VY022734.D
 Acq On : 18 Jun 2025 12:39
 Operator : SY/MD
 Sample : Q2336-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WBR-1

Quant Time: Jun 19 03:59:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	86256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	157947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	131320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	47143	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	48531	50.306	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.620%
35) Dibromofluoromethane	7.634	113	50372	53.431	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.860%
50) Toluene-d8	10.103	98	191320	50.224	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.440%
62) 4-Bromofluorobenzene	12.401	95	47046	41.451	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.900%

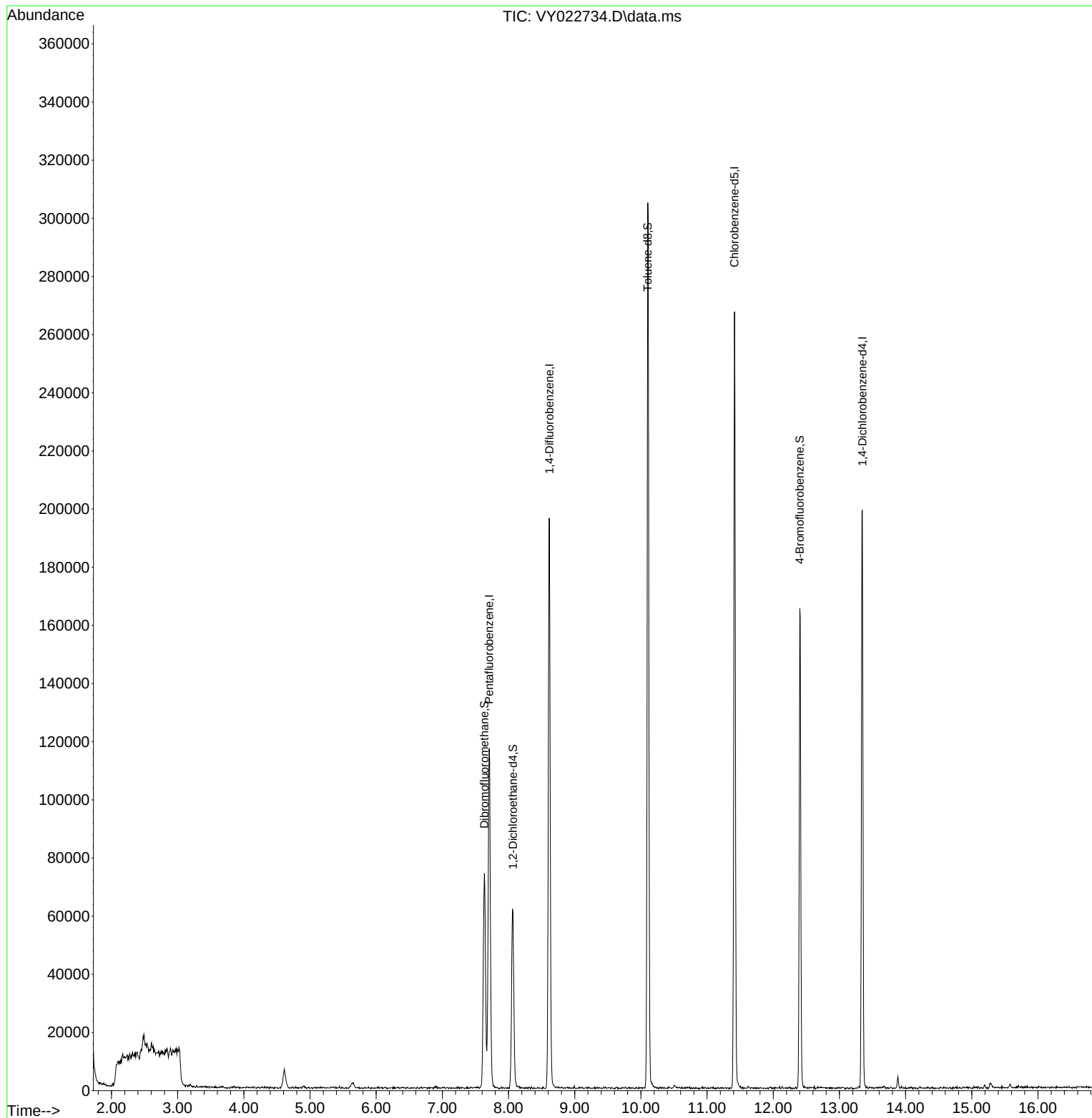
Target Compounds	Qvalue

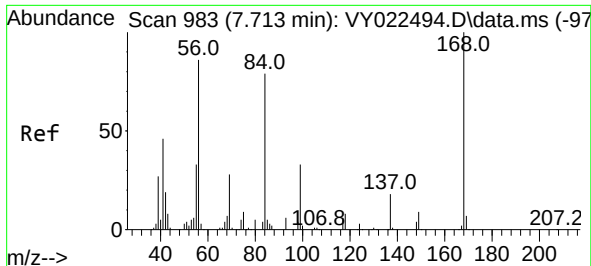
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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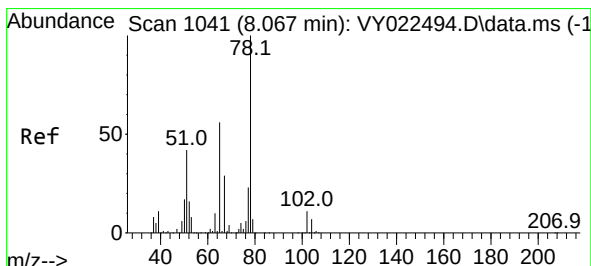
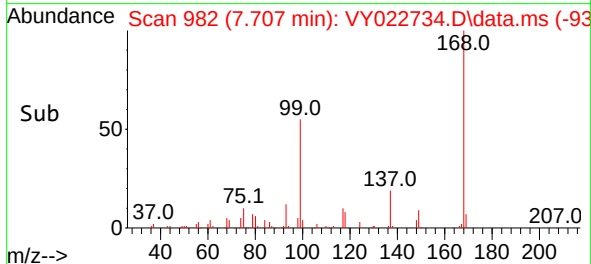
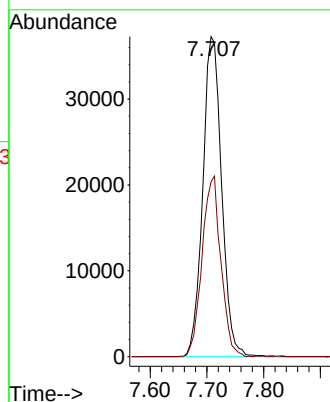
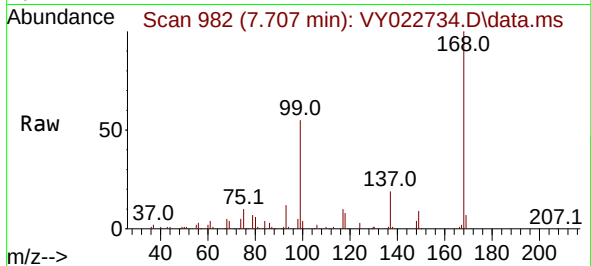




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022734.D
Acq: 18 Jun 2025 12:39

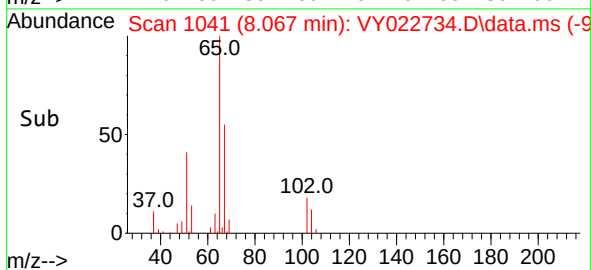
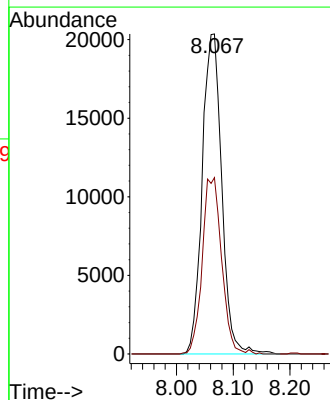
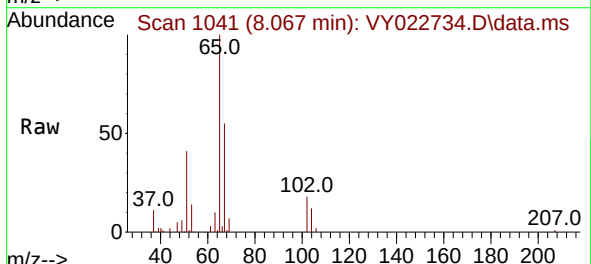
Instrument :
MSVOA_Y
ClientSampleId :
WBR-1

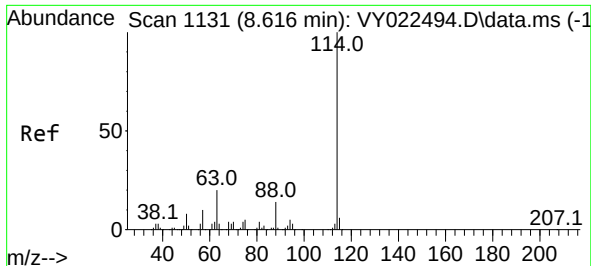
Tgt Ion:168 Resp: 86256
Ion Ratio Lower Upper
168 100
99 54.5 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 50.306 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022734.D
Acq: 18 Jun 2025 12:39

Tgt Ion: 65 Resp: 48531
Ion Ratio Lower Upper
65 100
67 54.6 0.0 103.4

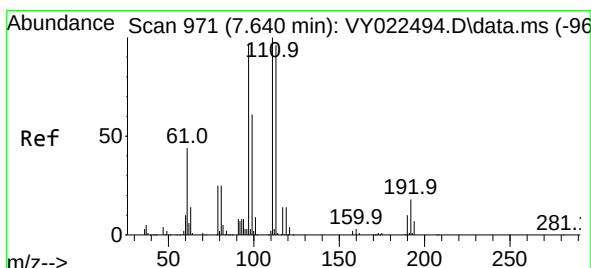
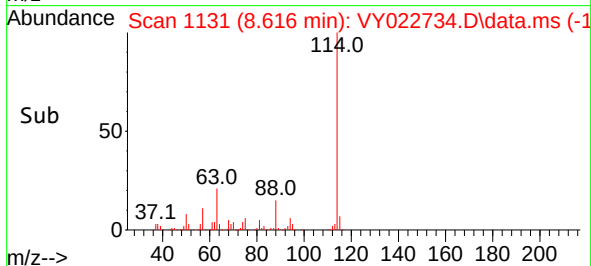
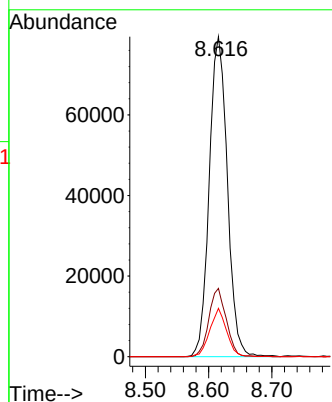
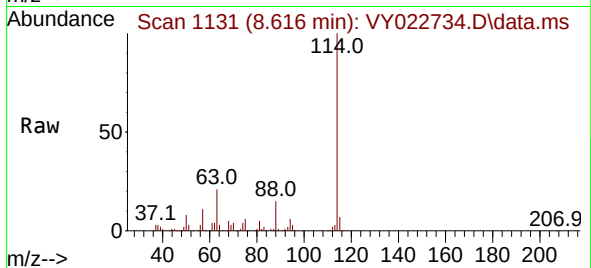




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022734.D
Acq: 18 Jun 2025 12:39

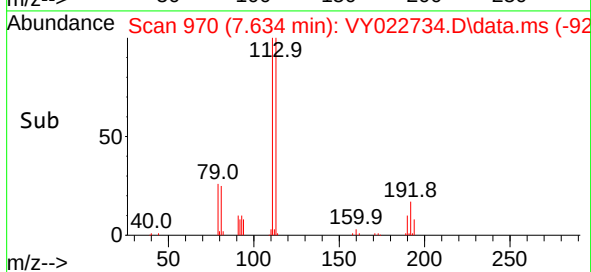
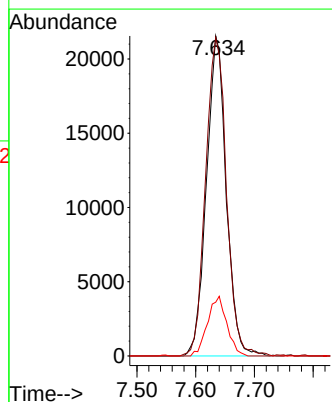
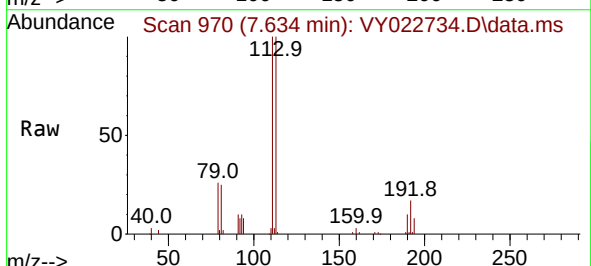
Instrument :
MSVOA_Y
ClientSampleId :
WBR-1

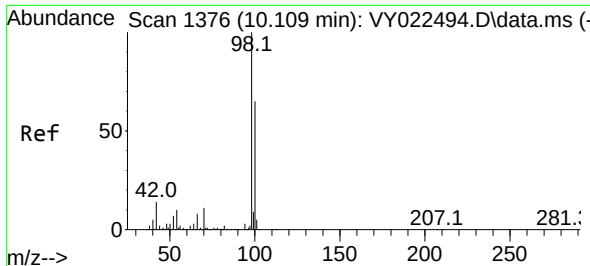
Tgt Ion:114 Resp: 157947
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.8
88 15.1 0.0 27.8



#35
Dibromofluoromethane
Concen: 53.431 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022734.D
Acq: 18 Jun 2025 12:39

Tgt Ion:113 Resp: 50372
Ion Ratio Lower Upper
113 100
111 104.7 81.1 121.7
192 18.2 14.2 21.2

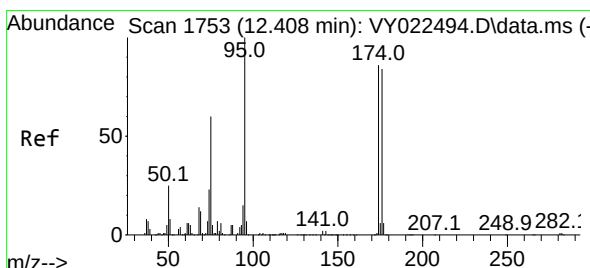
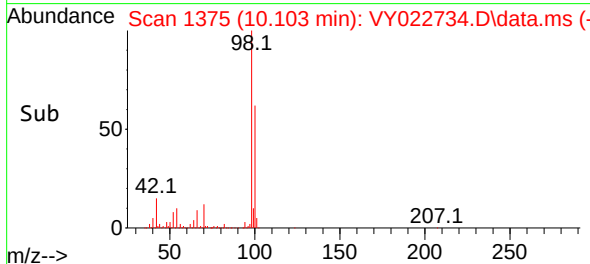
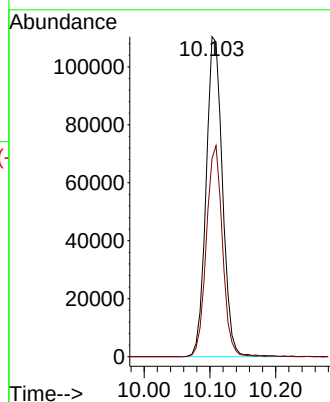
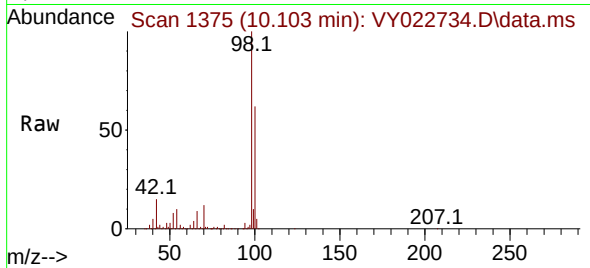




#50
Toluene-d8
Concen: 50.224 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022734.D
Acq: 18 Jun 2025 12:39

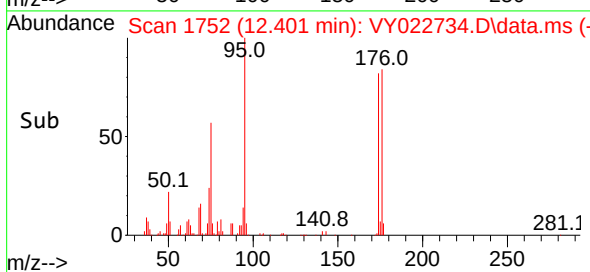
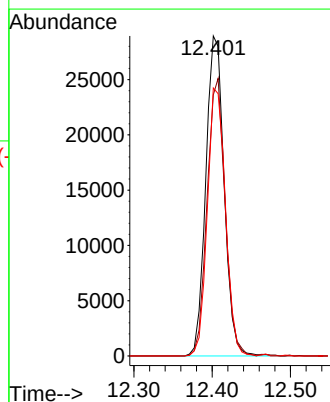
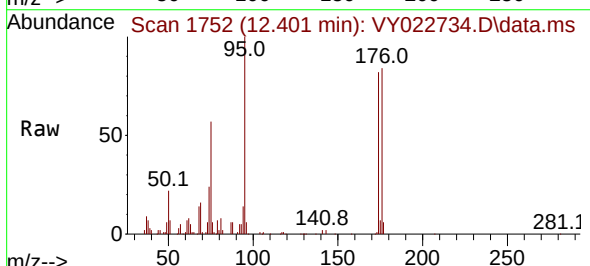
Instrument :
MSVOA_Y
ClientSampleId :
WBR-1

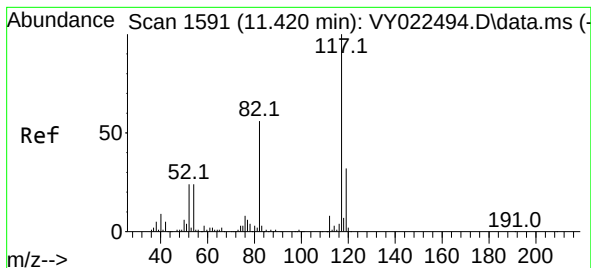
Tgt Ion: 98 Resp: 191320
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 41.451 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022734.D
Acq: 18 Jun 2025 12:39

Tgt Ion: 95 Resp: 47046
Ion Ratio Lower Upper
95 100
174 84.9 0.0 170.0
176 82.4 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022734.D

Acq: 18 Jun 2025 12:39

Instrument :

MSVOA_Y

ClientSampleId :

WBR-1

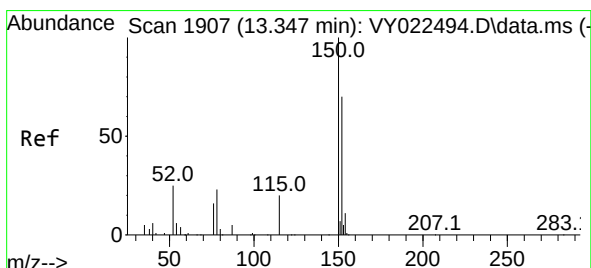
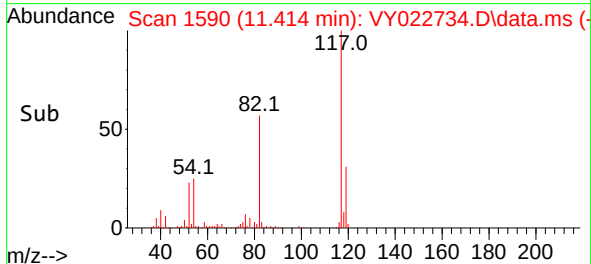
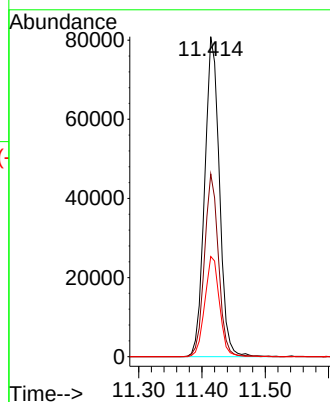
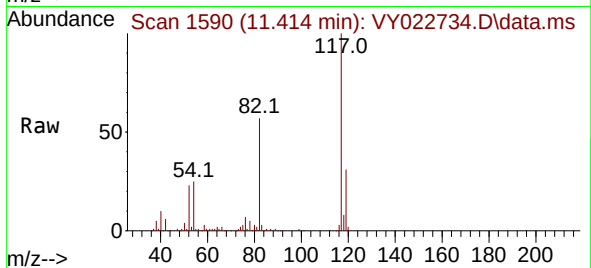
Tgt Ion:117 Resp: 131320

Ion Ratio Lower Upper

117 100

82 57.1 44.6 66.8

119 31.3 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022734.D

Acq: 18 Jun 2025 12:39

Tgt Ion:152 Resp: 47143

Ion Ratio Lower Upper

152 100

115 56.2 28.9 86.7

150 156.8 0.0 349.6

