

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062025\
 Data File : VY022767.D
 Acq On : 20 Jun 2025 16:42
 Operator : SY/MD
 Sample : Q2380-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-211

Quant Time: Jun 21 02:42:00 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	99123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	183950	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	159048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	59131	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	63013	56.838	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.680%
35) Dibromofluoromethane	7.634	113	59304	54.013	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.020%
50) Toluene-d8	10.109	98	228063	51.407	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.820%
62) 4-Bromofluorobenzene	12.402	95	58759	44.452	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.900%

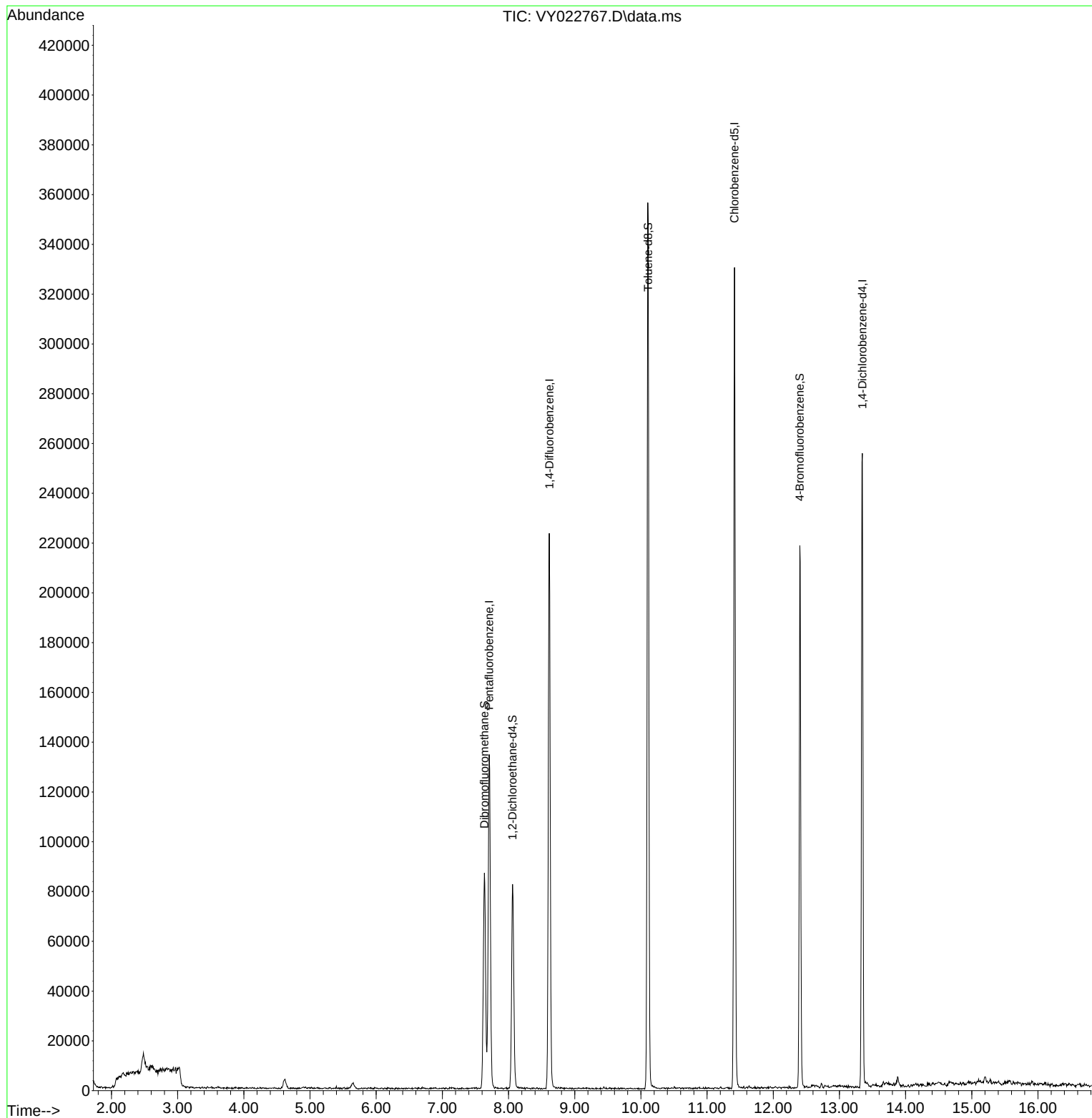
Target Compounds	Qvalue

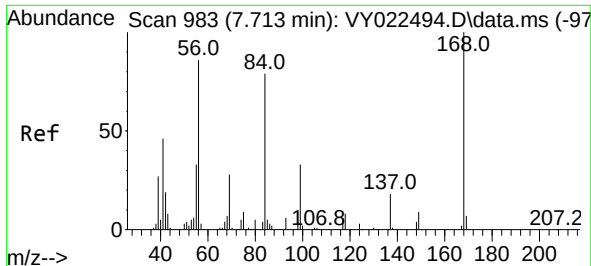
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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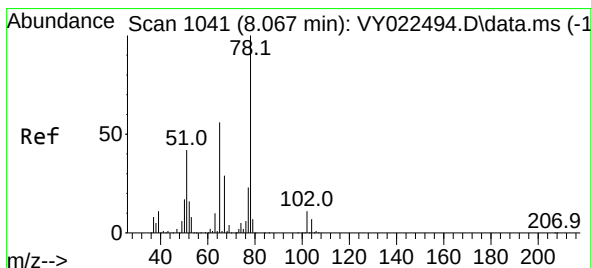
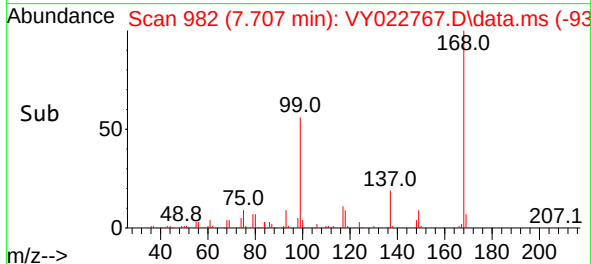
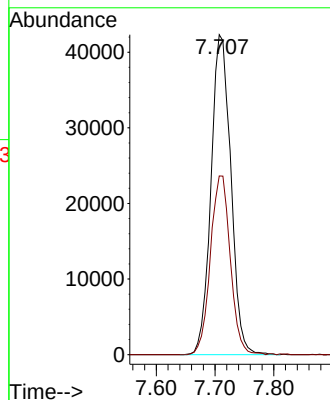
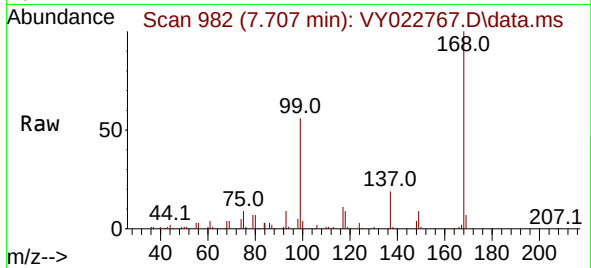




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 99
Delta R.T. -0.006 min
Lab File: VY022767.D
Acq: 20 Jun 2025 16:42

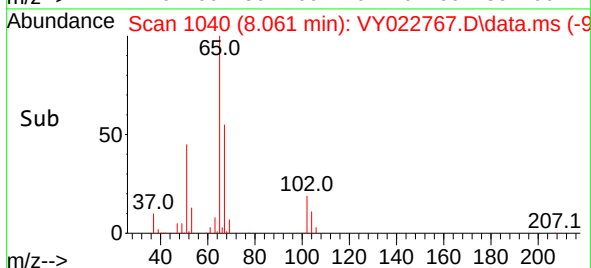
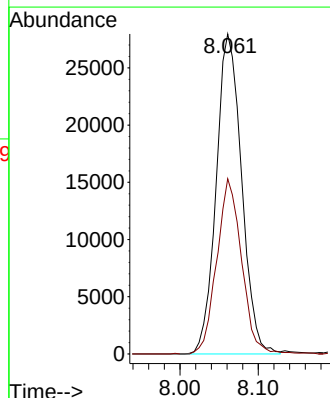
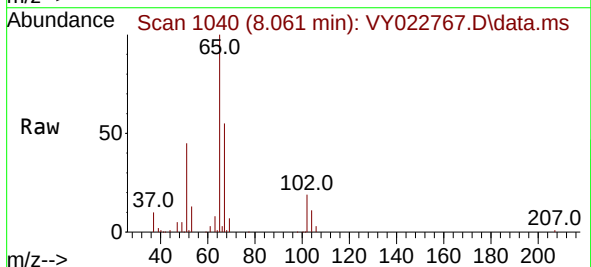
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-211

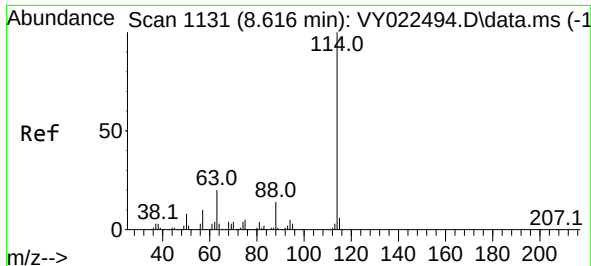
Tgt Ion:168 Resp: 99123
Ion Ratio Lower Upper
168 100
99 55.9 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 56.838 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022767.D
Acq: 20 Jun 2025 16:42

Tgt Ion: 65 Resp: 63013
Ion Ratio Lower Upper
65 100
67 53.5 0.0 103.4

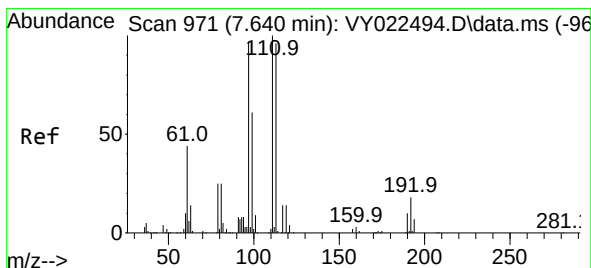
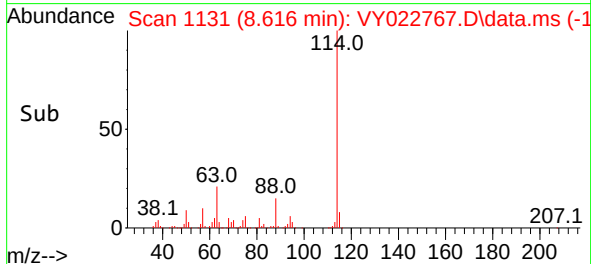
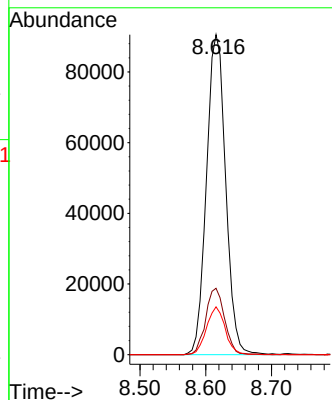
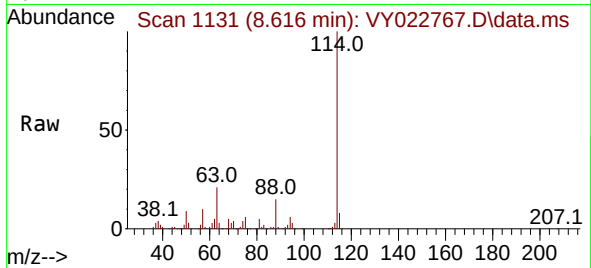




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022767.D
Acq: 20 Jun 2025 16:42

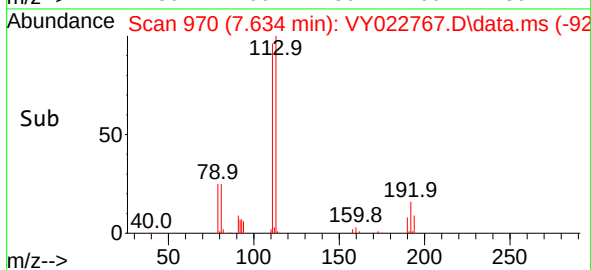
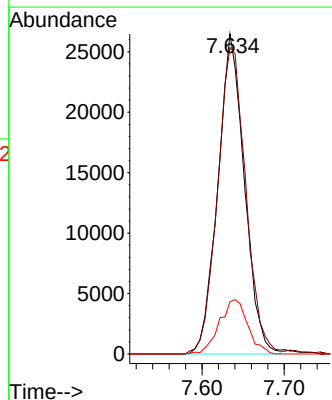
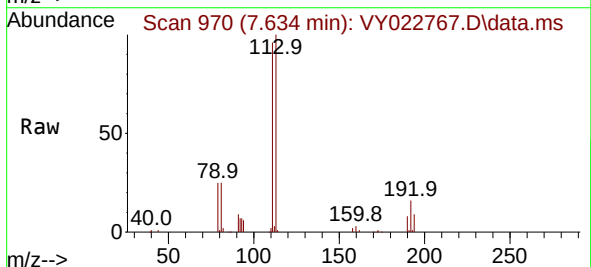
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-211

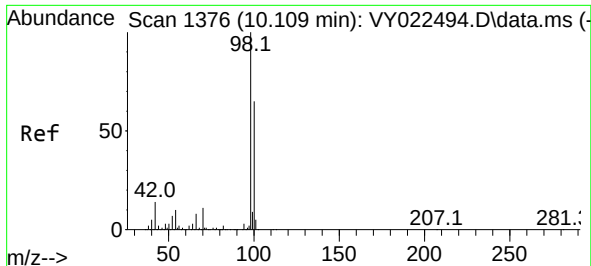
Tgt Ion:114 Resp: 183950
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 14.9 0.0 27.8



#35
Dibromofluoromethane
Concen: 54.013 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022767.D
Acq: 20 Jun 2025 16:42

Tgt Ion:113 Resp: 59304
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 18.1 14.2 21.2

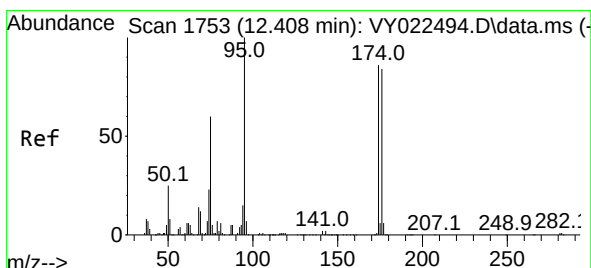
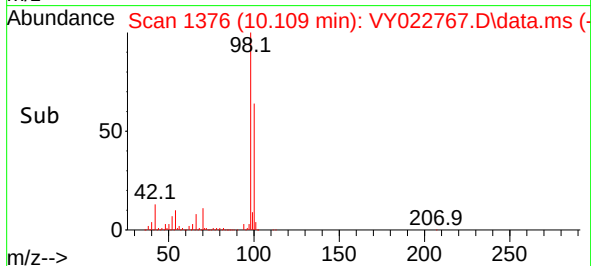
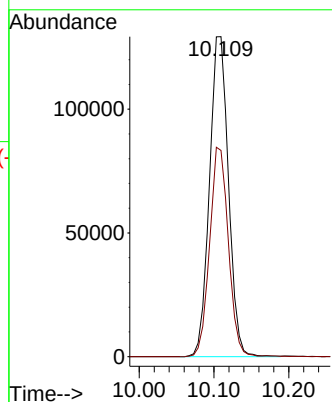
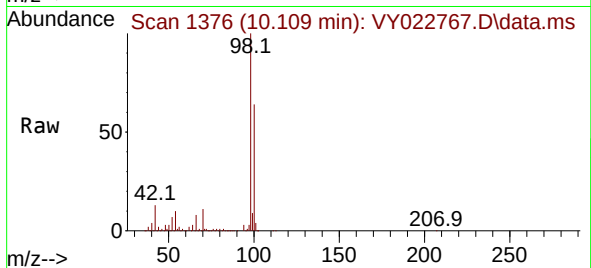




#50
Toluene-d8
Concen: 51.407 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022767.D
Acq: 20 Jun 2025 16:42

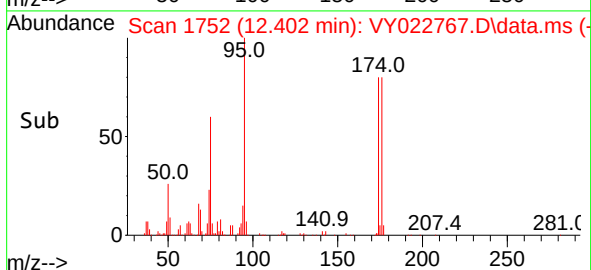
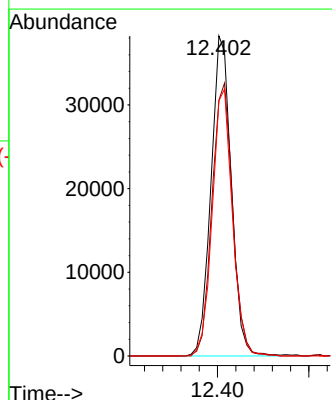
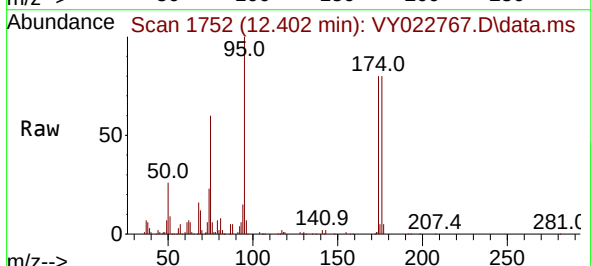
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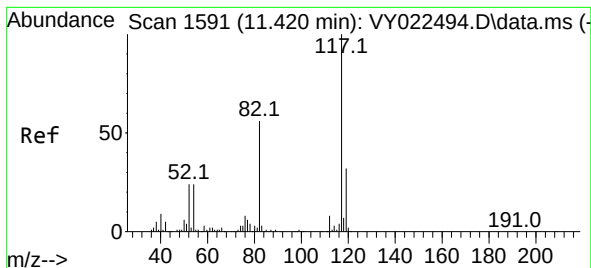
Tgt Ion: 98 Resp: 228063
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 44.452 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022767.D
Acq: 20 Jun 2025 16:42

Tgt Ion: 95 Resp: 58759
Ion Ratio Lower Upper
95 100
174 87.4 0.0 170.0
176 82.8 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: VY022767.D

Acq: 20 Jun 2025 16:42

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-211

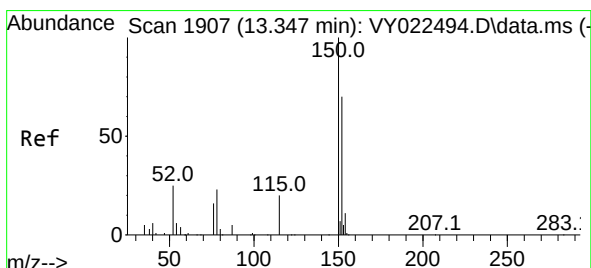
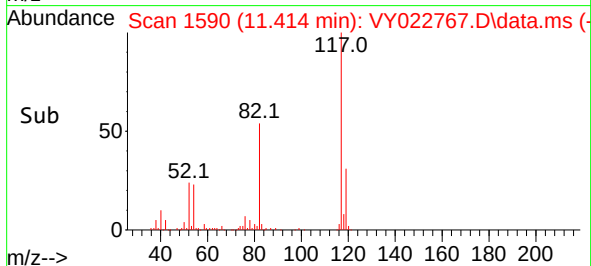
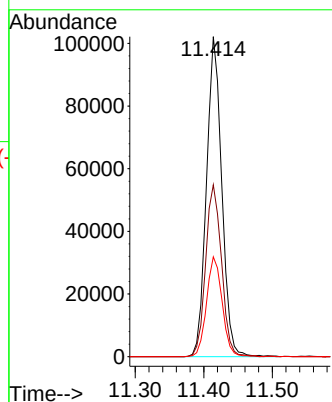
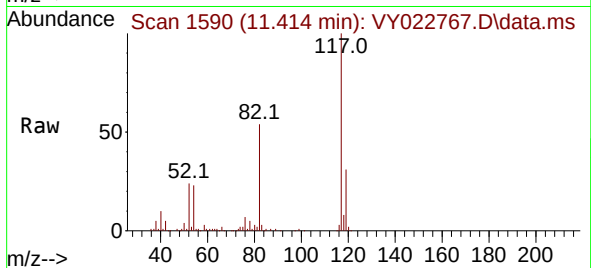
Tgt Ion:117 Resp: 159048

Ion Ratio Lower Upper

117 100

82 53.7 44.6 66.8

119 31.2 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: VY022767.D

Acq: 20 Jun 2025 16:42

Tgt Ion:152 Resp: 59131

Ion Ratio Lower Upper

152 100

115 58.4 28.9 86.7

150 156.1 0.0 349.6

