

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022593.D
 Acq On : 06 Jun 2025 12:26
 Operator : SY/MD
 Sample : Q2199-04
 Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-231

Quant Time: Jun 06 17:22:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	28689	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.616	114	38482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	21457	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	4306	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	8437	26.294	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	52.580%
35) Dibromofluoromethane	7.640	113	8422	36.667	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	73.340%
50) Toluene-d8	10.103	98	41043	44.223	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.440%
62) 4-Bromofluorobenzene	12.402	95	6732	24.345	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	48.680%

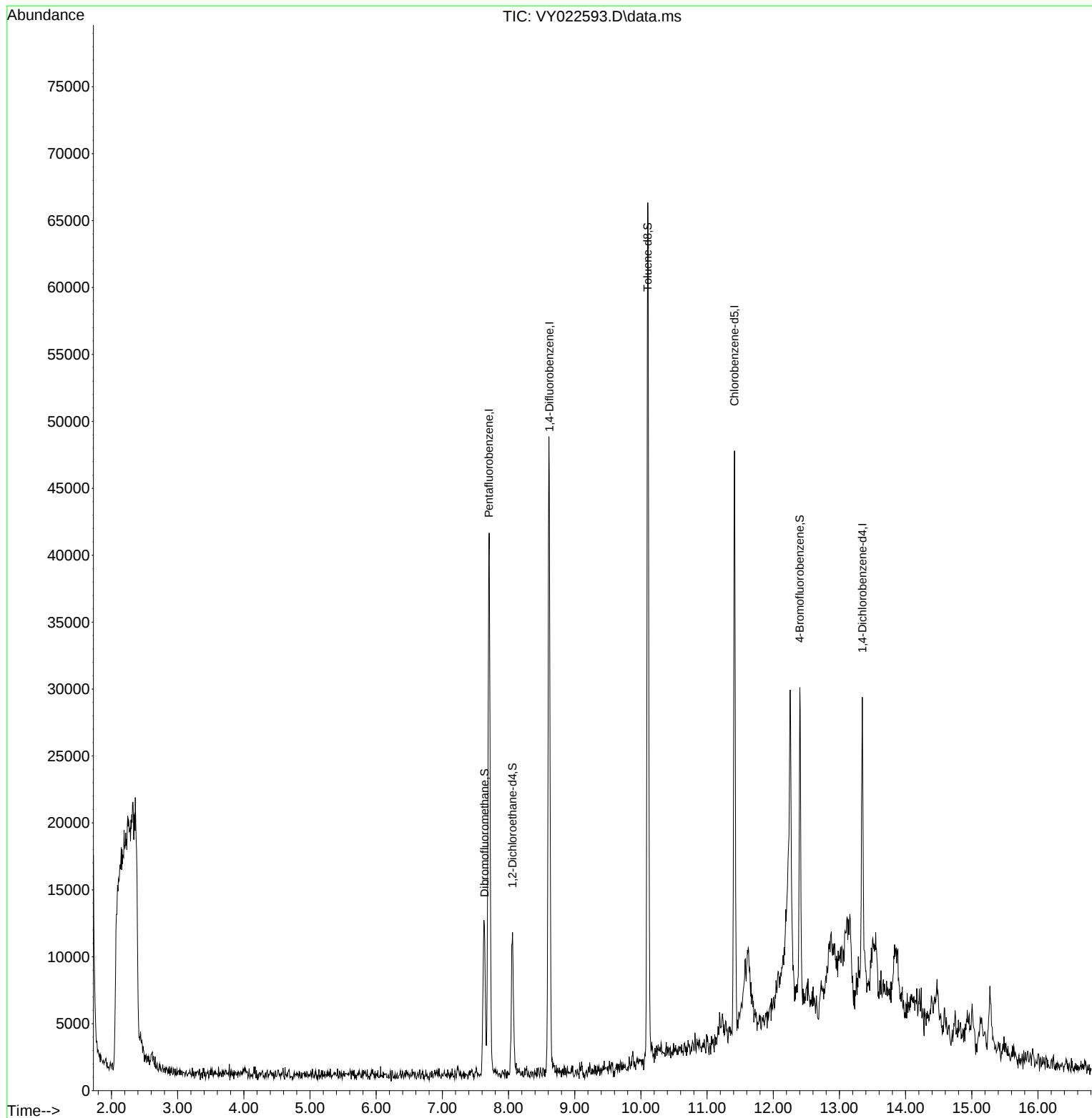
Target Compounds	Qvalue

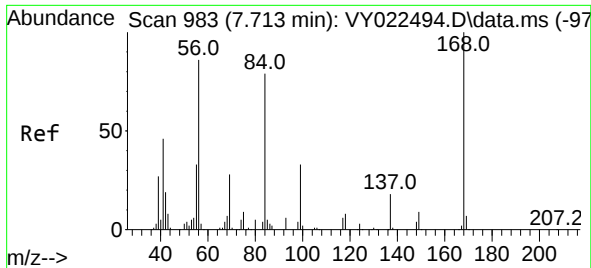
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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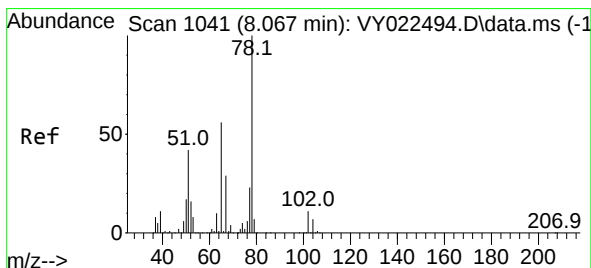
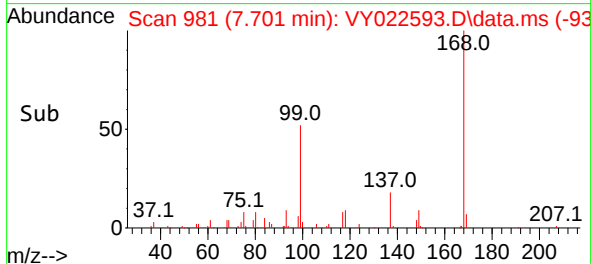
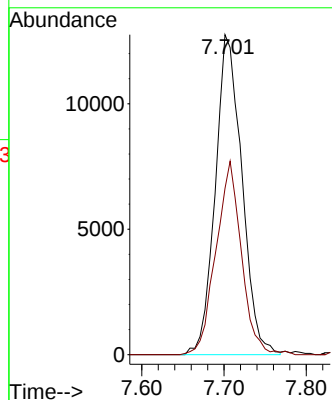
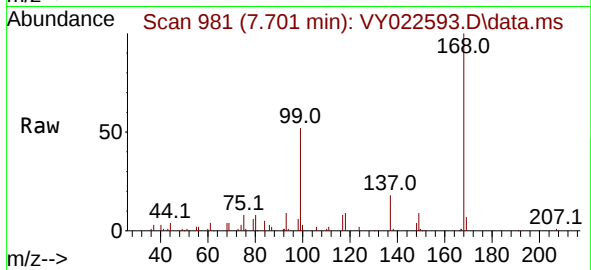




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 99
Delta R.T. -0.012 min
Lab File: VY022593.D
Acq: 06 Jun 2025 12:26

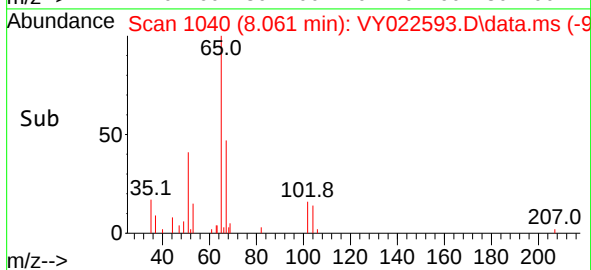
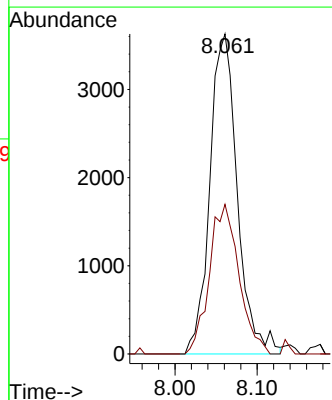
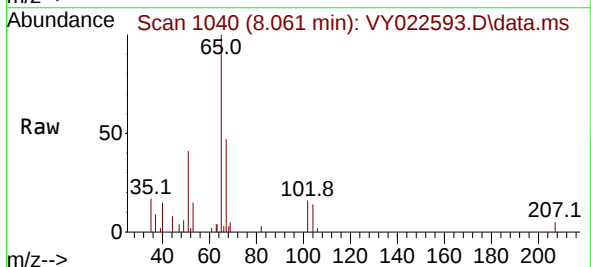
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-231

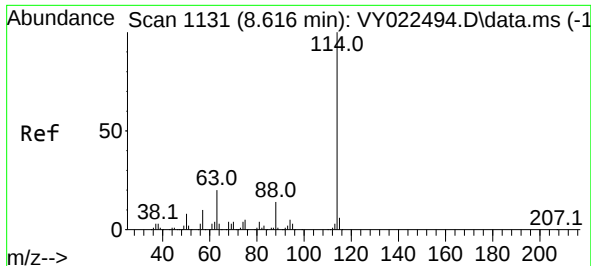
Tgt Ion:168 Resp: 28689
Ion Ratio Lower Upper
168 100
99 52.0 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 26.294 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022593.D
Acq: 06 Jun 2025 12:26

Tgt Ion: 65 Resp: 8437
Ion Ratio Lower Upper
65 100
67 50.3 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: VY022593.D

Acq: 06 Jun 2025 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-231

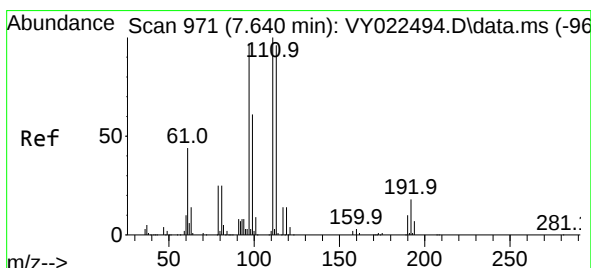
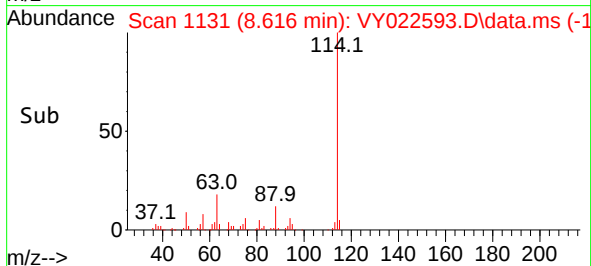
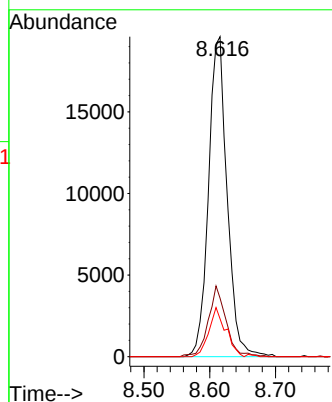
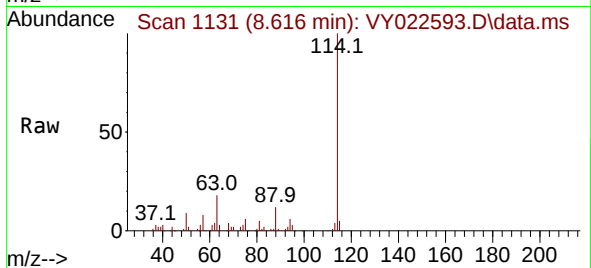
Tgt Ion:114 Resp: 38482

Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.8

88 11.9 0.0 27.8



#35

Dibromofluoromethane

Concen: 36.667 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY022593.D

Acq: 06 Jun 2025 12:26

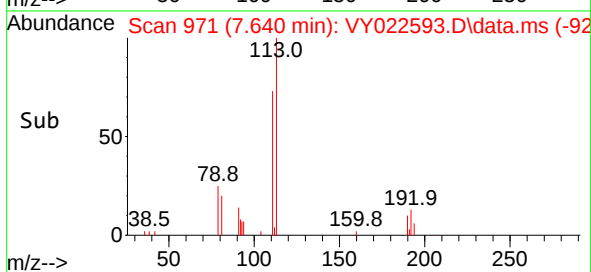
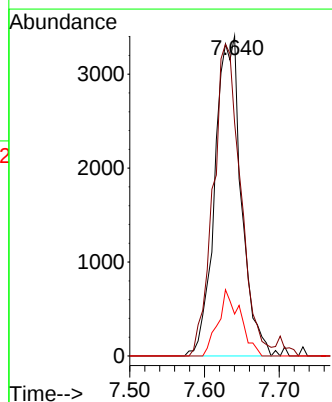
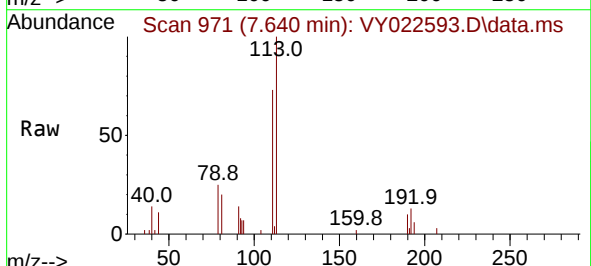
Tgt Ion:113 Resp: 8422

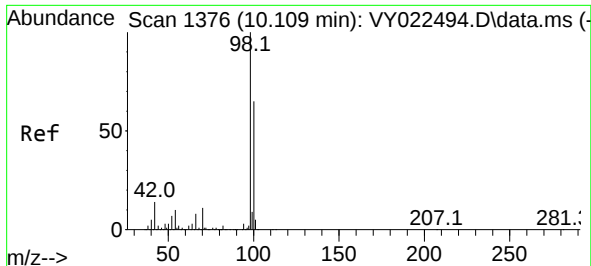
Ion Ratio Lower Upper

113 100

111 100.3 81.1 121.7

192 17.4 14.2 21.2

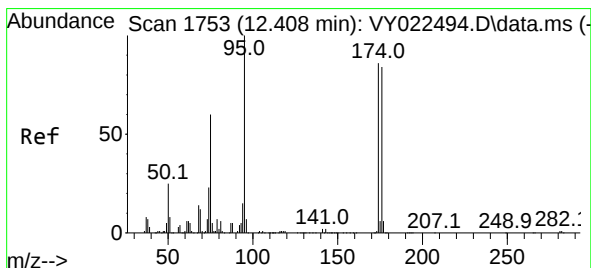
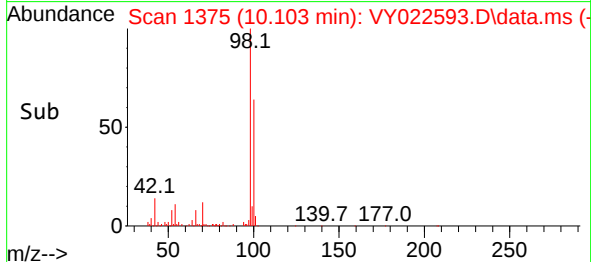
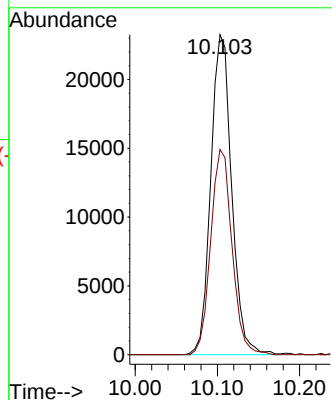
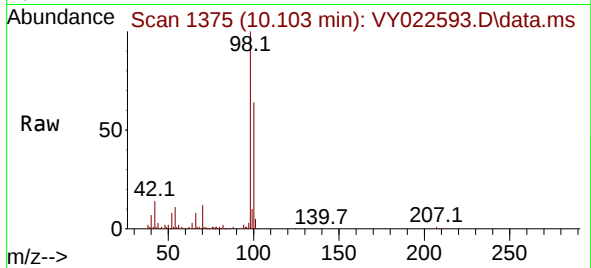




#50
Toluene-d8
Concen: 44.223 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022593.D
Acq: 06 Jun 2025 12:26

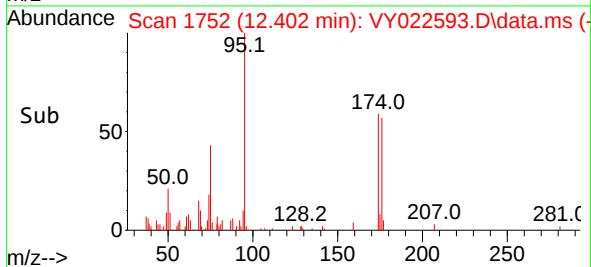
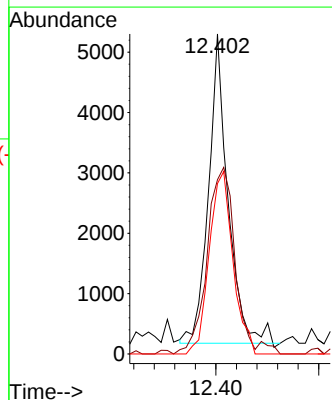
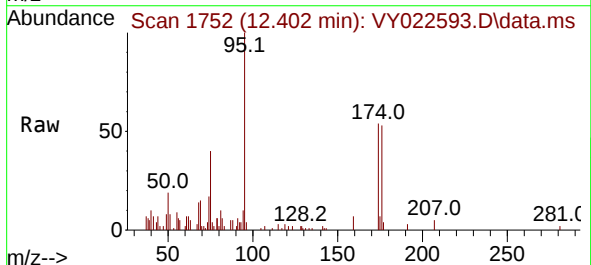
Instrument :
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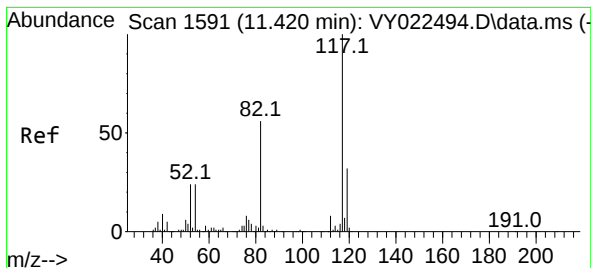
Tgt Ion: 98 Resp: 41043
Ion Ratio Lower Upper
98 100
100 65.4 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 24.345 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022593.D
Acq: 06 Jun 2025 12:26

Tgt Ion: 95 Resp: 6732
Ion Ratio Lower Upper
95 100
174 87.3 0.0 170.0
176 71.7 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: VY022593.D

Acq: 06 Jun 2025 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-231

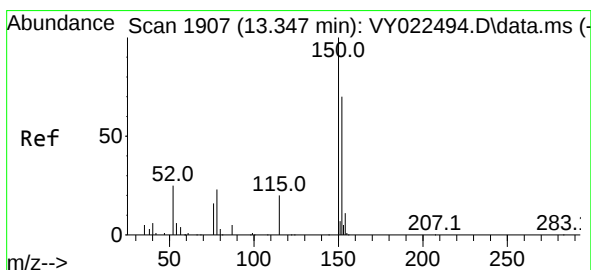
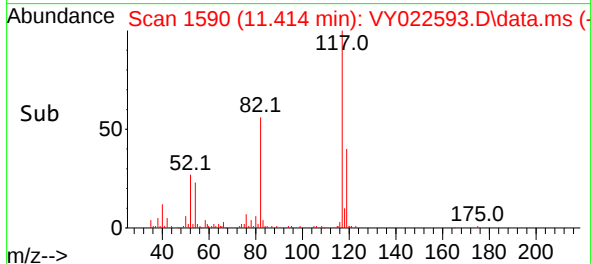
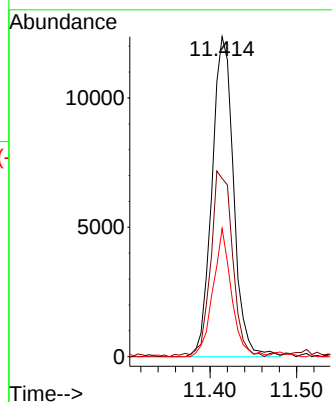
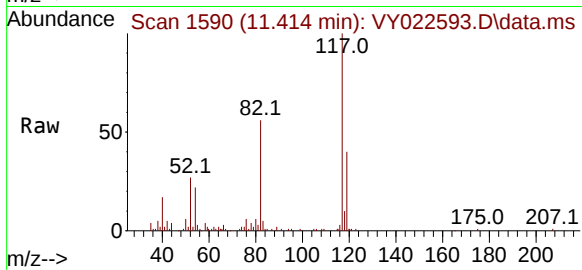
Tgt Ion:117 Resp: 21457

Ion Ratio Lower Upper

117 100

82 55.3 44.6 66.8

119 40.1 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: VY022593.D

Acq: 06 Jun 2025 12:26

Tgt Ion:152 Resp: 4306

Ion Ratio Lower Upper

152 100

115 67.0 28.9 86.7

150 168.2 0.0 349.6

