

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022524.D
 Acq On : 03 Jun 2025 15:48
 Operator : SY/MD
 Sample : Q2162-01
 Misc : 4.36g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-182-GW-580-582

Quant Time: Jun 04 04:14:01 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)

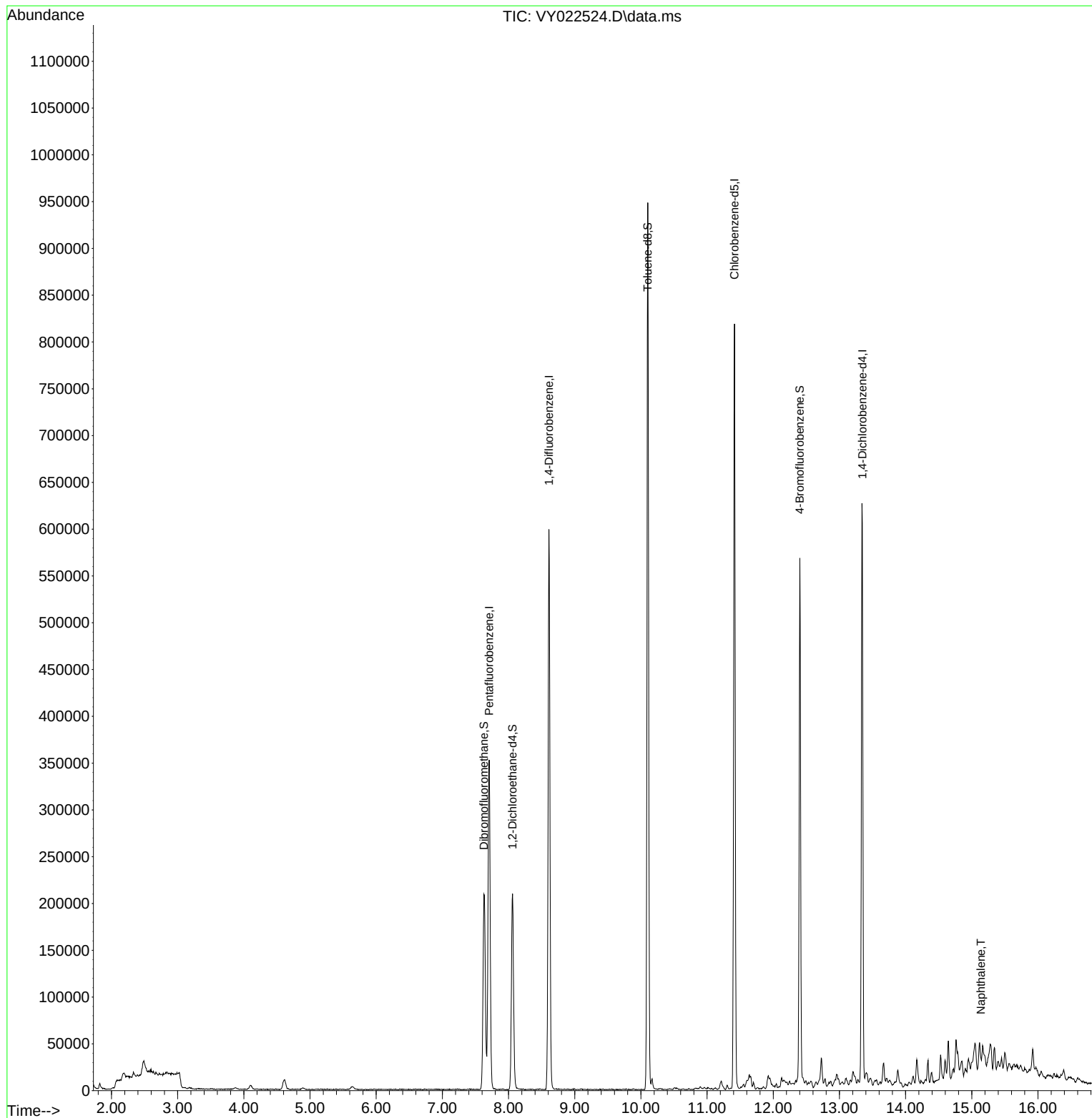
Internal Standards						
1) Pentafluorobenzene	7.707	168	262567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	482605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	394621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	147101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	155787	53.049	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.100%
35) Dibromofluoromethane	7.628	113	145953	50.668	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.340%
50) Toluene-d8	10.103	98	581144	49.929	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.860%
62) 4-Bromofluorobenzene	12.402	95	154637	44.591	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.180%
Target Compounds						
95) Naphthalene	15.139	128	7441	1.622	ug/l	Qvalue 97

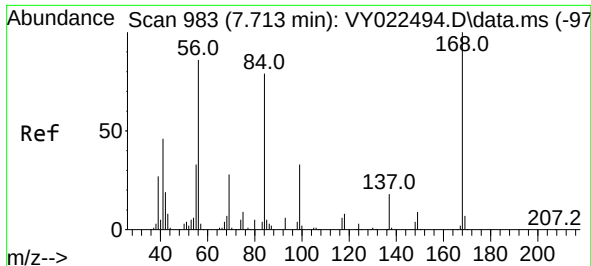
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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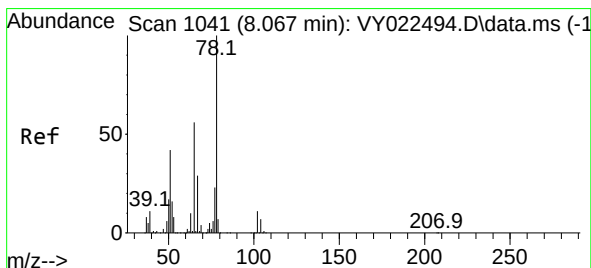
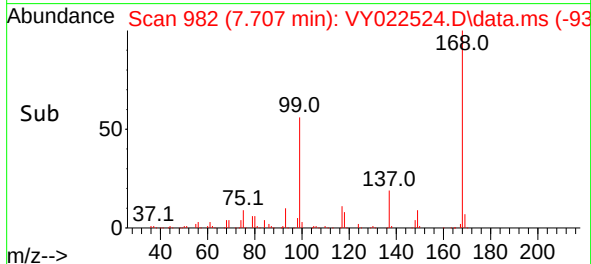
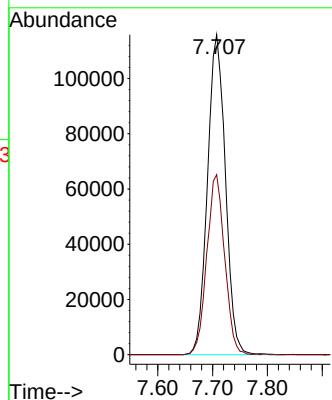
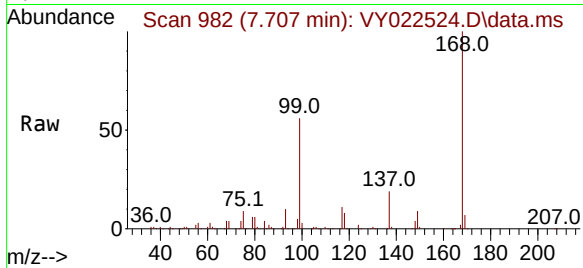




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022524.D
Acq: 03 Jun 2025 15:48

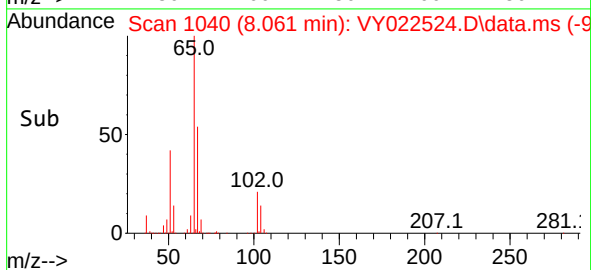
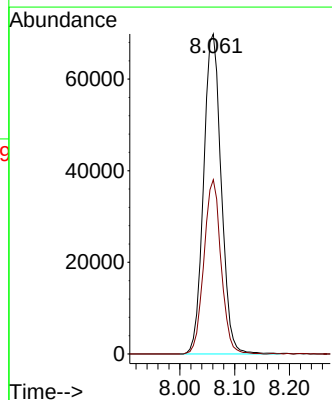
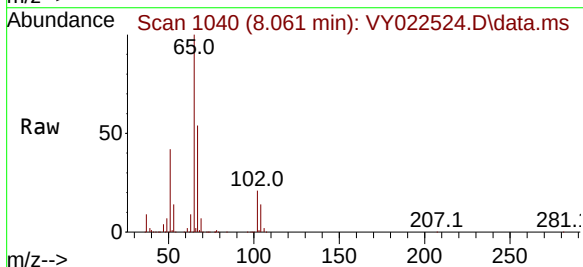
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-580-582

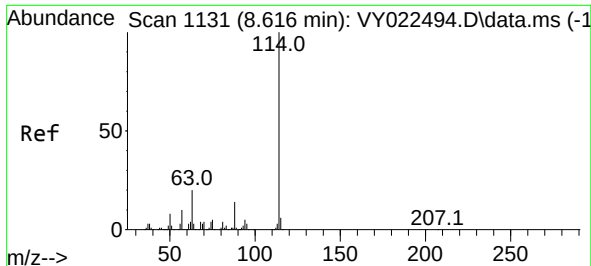
Tgt Ion:168 Resp: 262567
Ion Ratio Lower Upper
168 100
99 56.3 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 53.049 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022524.D
Acq: 03 Jun 2025 15:48

Tgt Ion: 65 Resp: 155787
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022524.D

Acq: 03 Jun 2025 15:48

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-182-GW-580-582

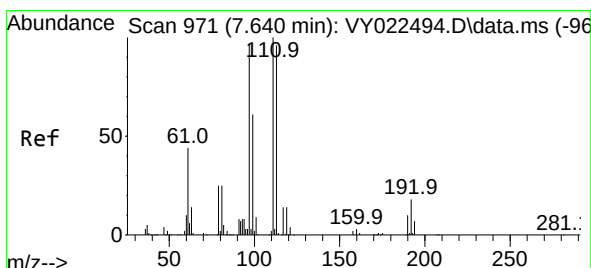
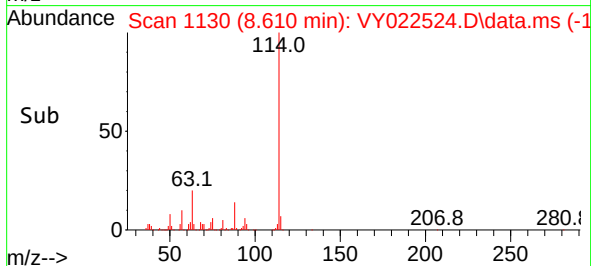
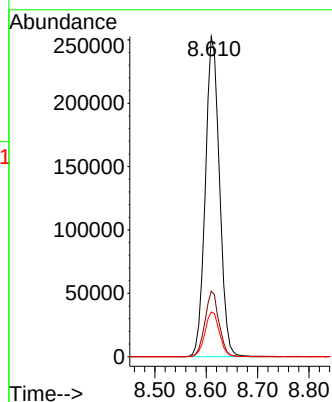
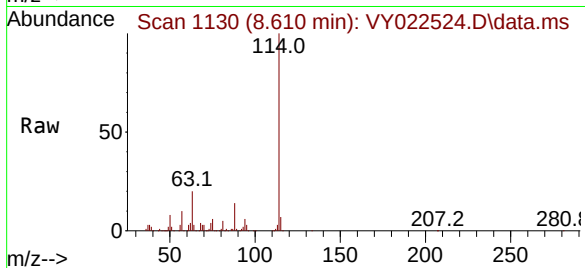
Tgt Ion:114 Resp: 482605

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 14.0 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.668 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY022524.D

Acq: 03 Jun 2025 15:48

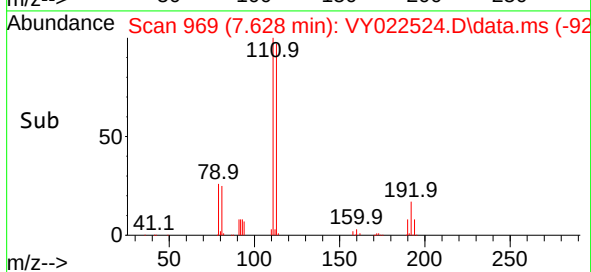
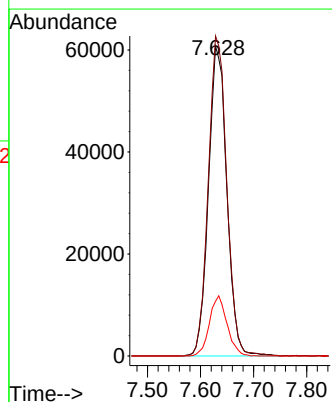
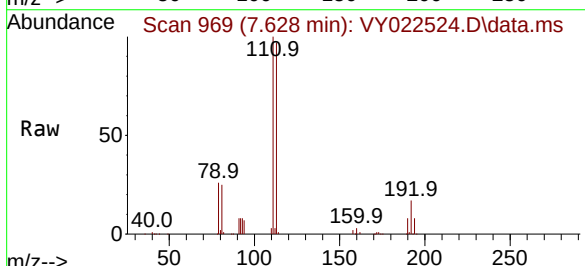
Tgt Ion:113 Resp: 145953

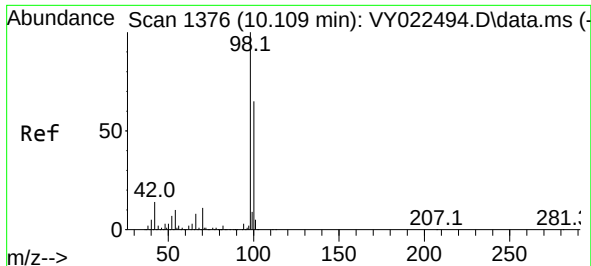
Ion Ratio Lower Upper

113 100

111 104.0 81.1 121.7

192 18.7 14.2 21.2

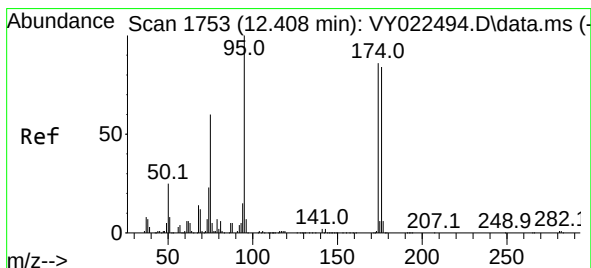
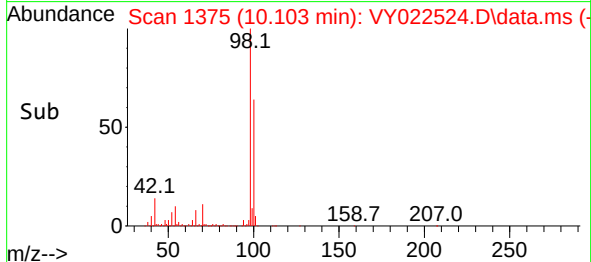
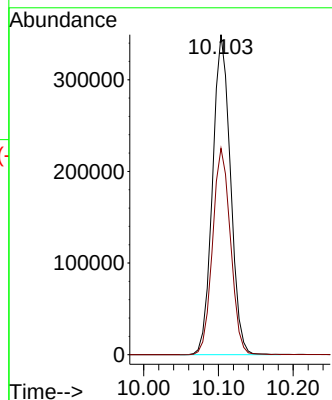
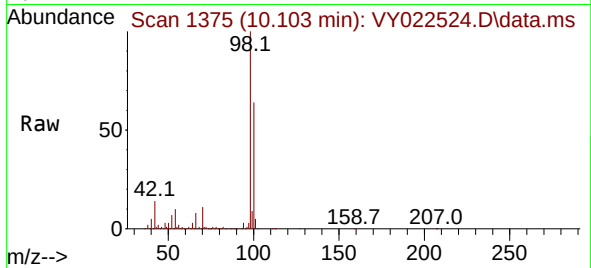




#50
Toluene-d8
Concen: 49.929 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022524.D
Acq: 03 Jun 2025 15:48

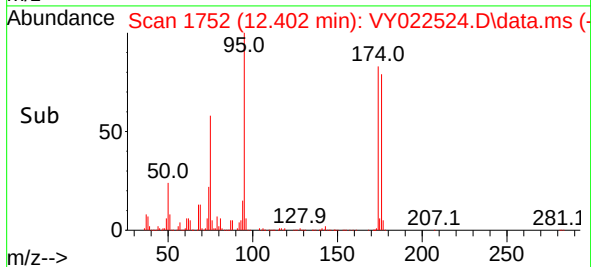
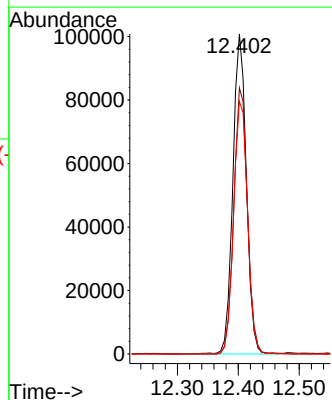
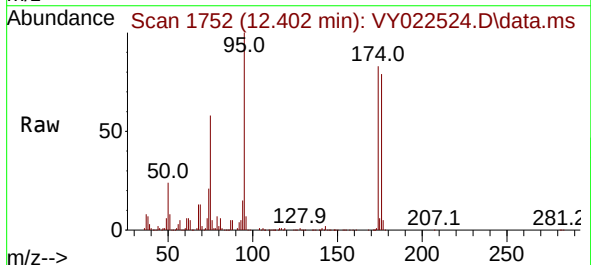
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-182-GW-580-582

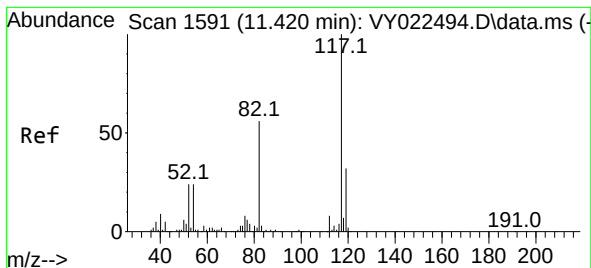
Tgt Ion: 98 Resp: 581144
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 44.591 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022524.D
Acq: 03 Jun 2025 15:48

Tgt Ion: 95 Resp: 154637
Ion Ratio Lower Upper
95 100
174 84.0 0.0 170.0
176 81.6 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: VY022524.D

Acq: 03 Jun 2025 15:48

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-182-GW-580-582

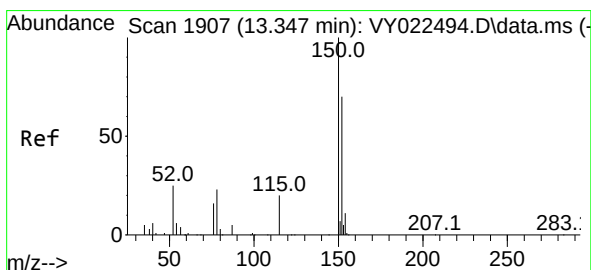
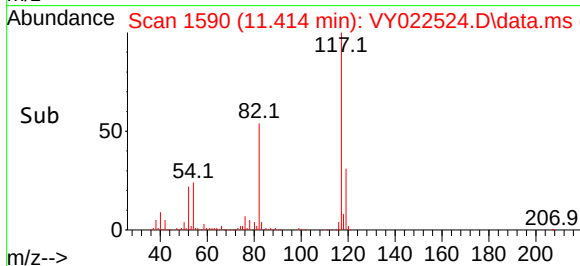
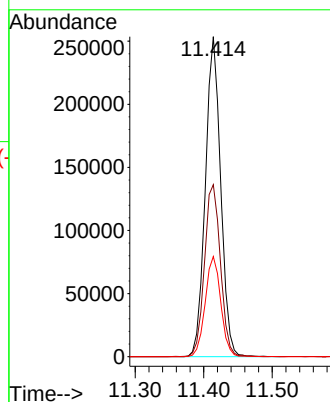
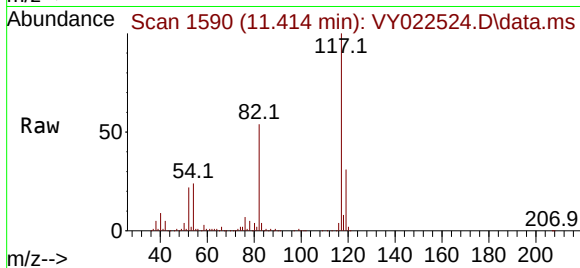
Tgt Ion:117 Resp: 394621

Ion Ratio Lower Upper

117 100

82 53.7 44.6 66.8

119 31.3 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022524.D

Acq: 03 Jun 2025 15:48

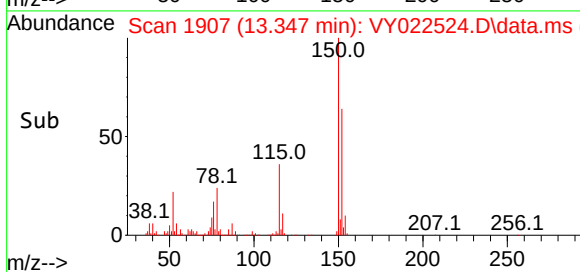
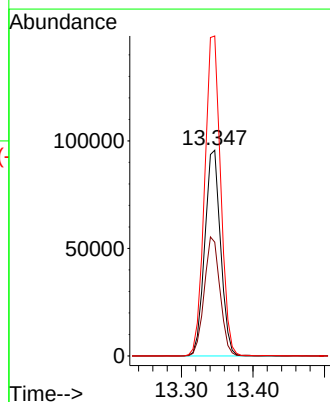
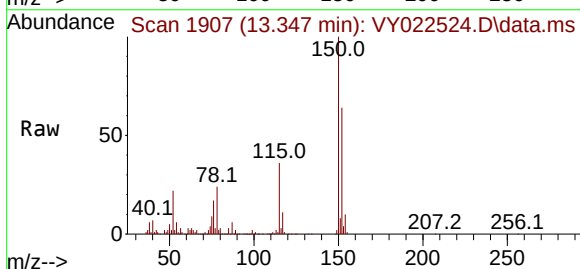
Tgt Ion:152 Resp: 147101

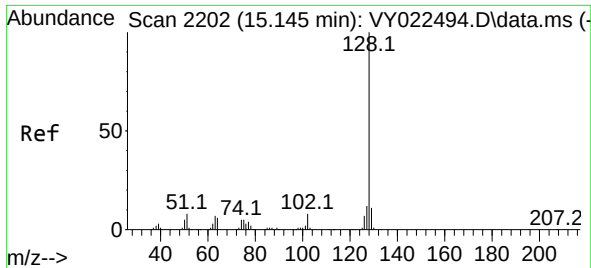
Ion Ratio Lower Upper

152 100

115 57.6 28.9 86.7

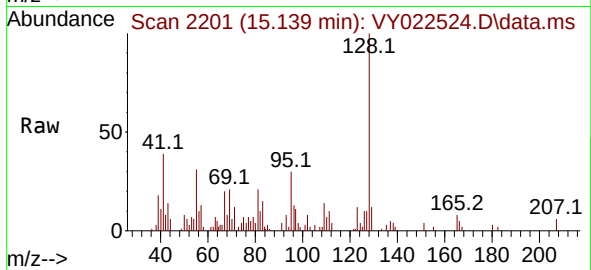
150 157.3 0.0 349.6





#95
 Naphthalene
 Concen: 1.622 ug/l
 RT: 15.139 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY022524.D
 Acq: 03 Jun 2025 15:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-182-GW-580-582



Tgt Ion:	128	Resp:	7441
Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.4	15.6
129	11.4	8.9	13.3

